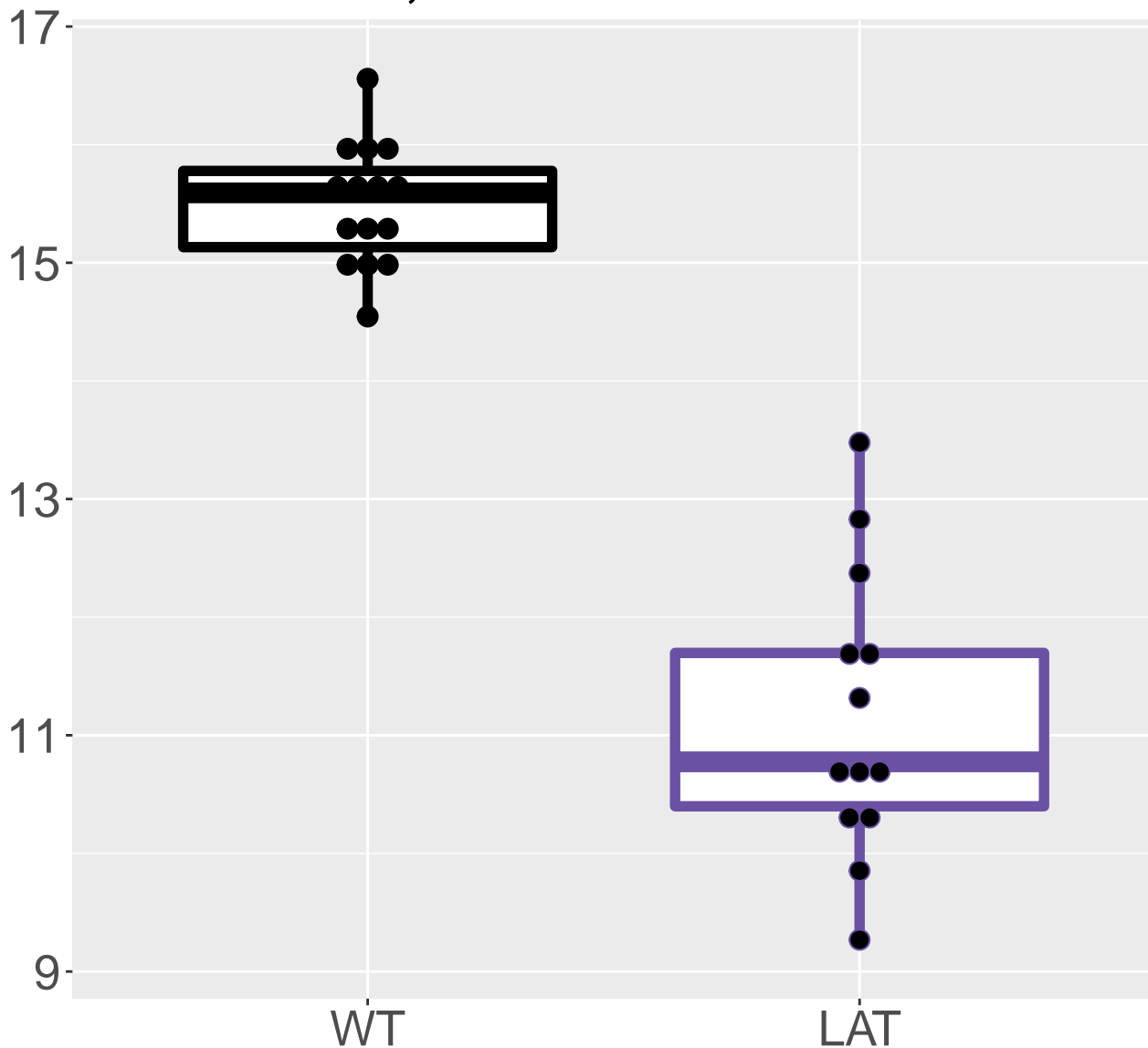


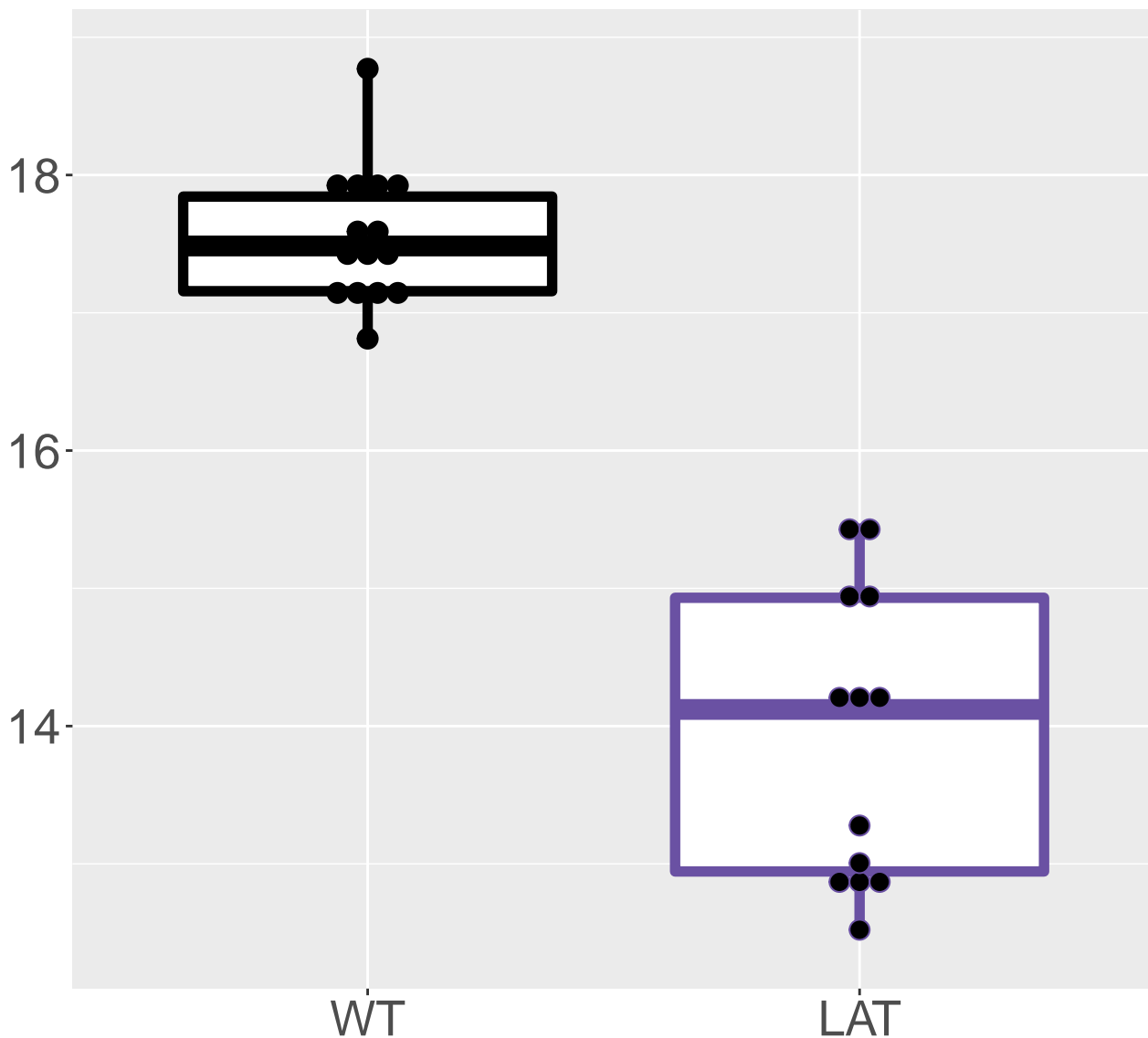
**M420.5418T278.84\_1**

**FDR = 2.9e-09, FC = -4.3**

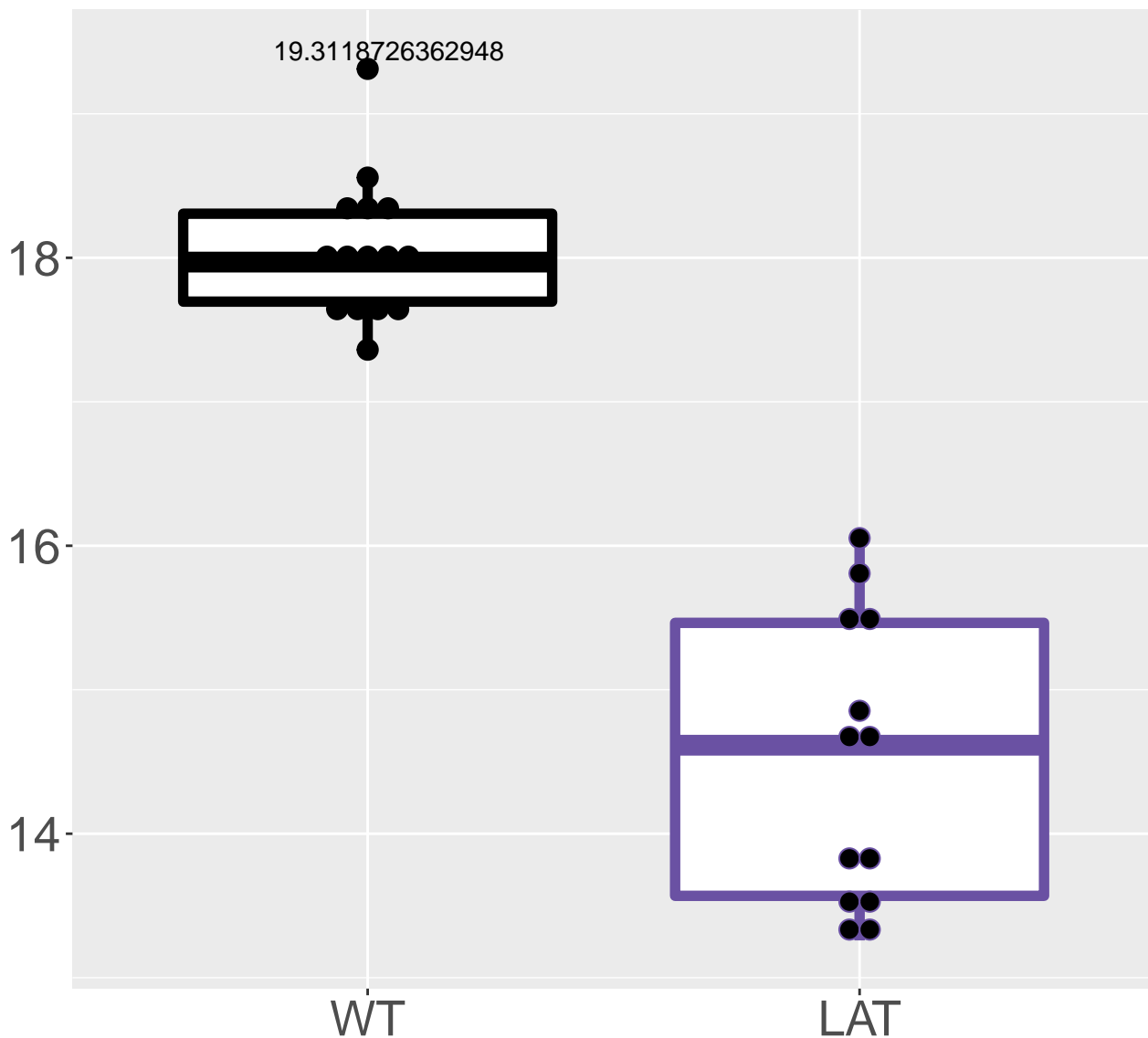


**M347.9327T261.37\_2**

**FDR = 2.9e-09, FC = -3.6**

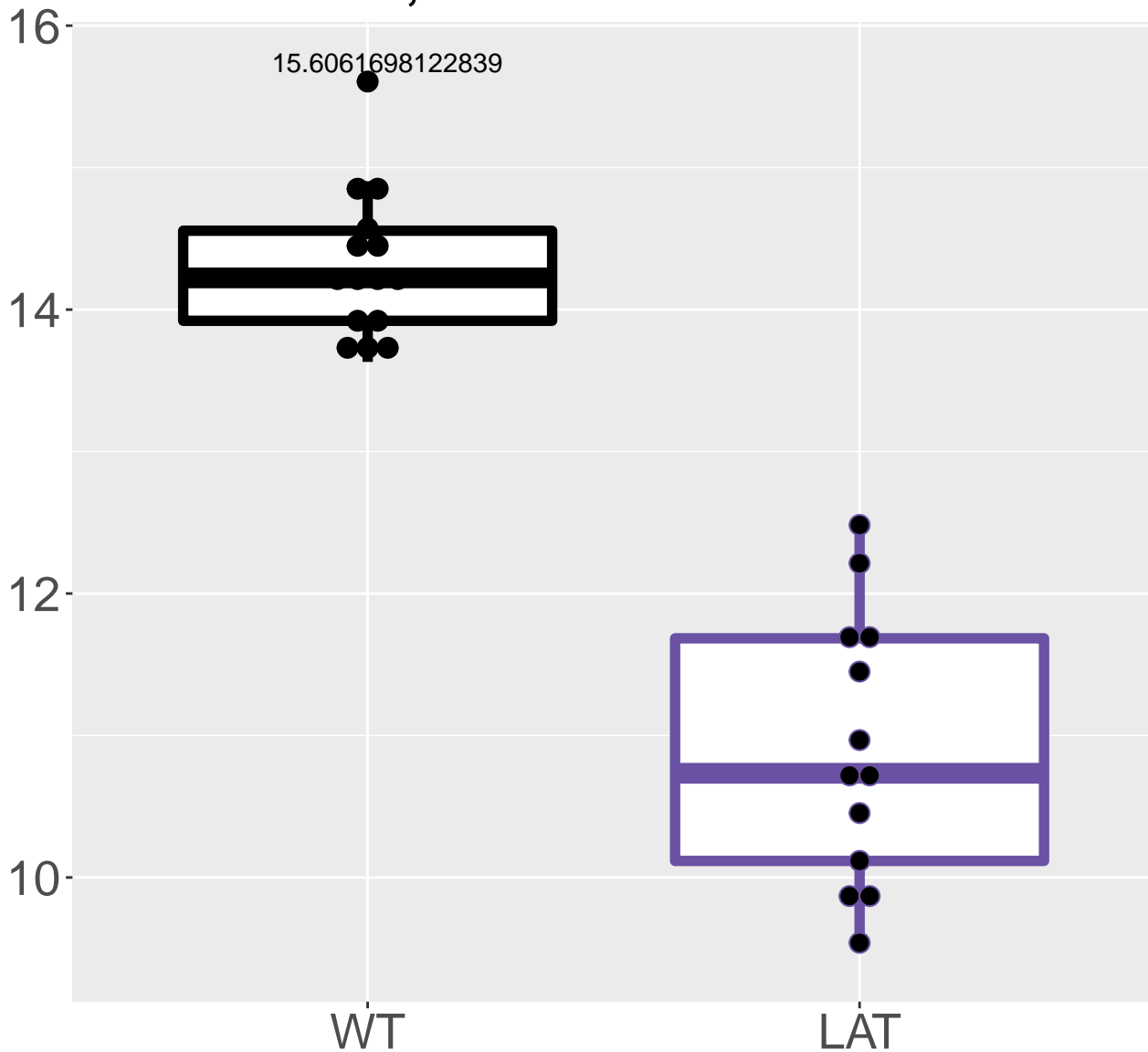


**M347.6821T261.49\_1**  
**FDR = 2.9e-09, FC = -3.6**



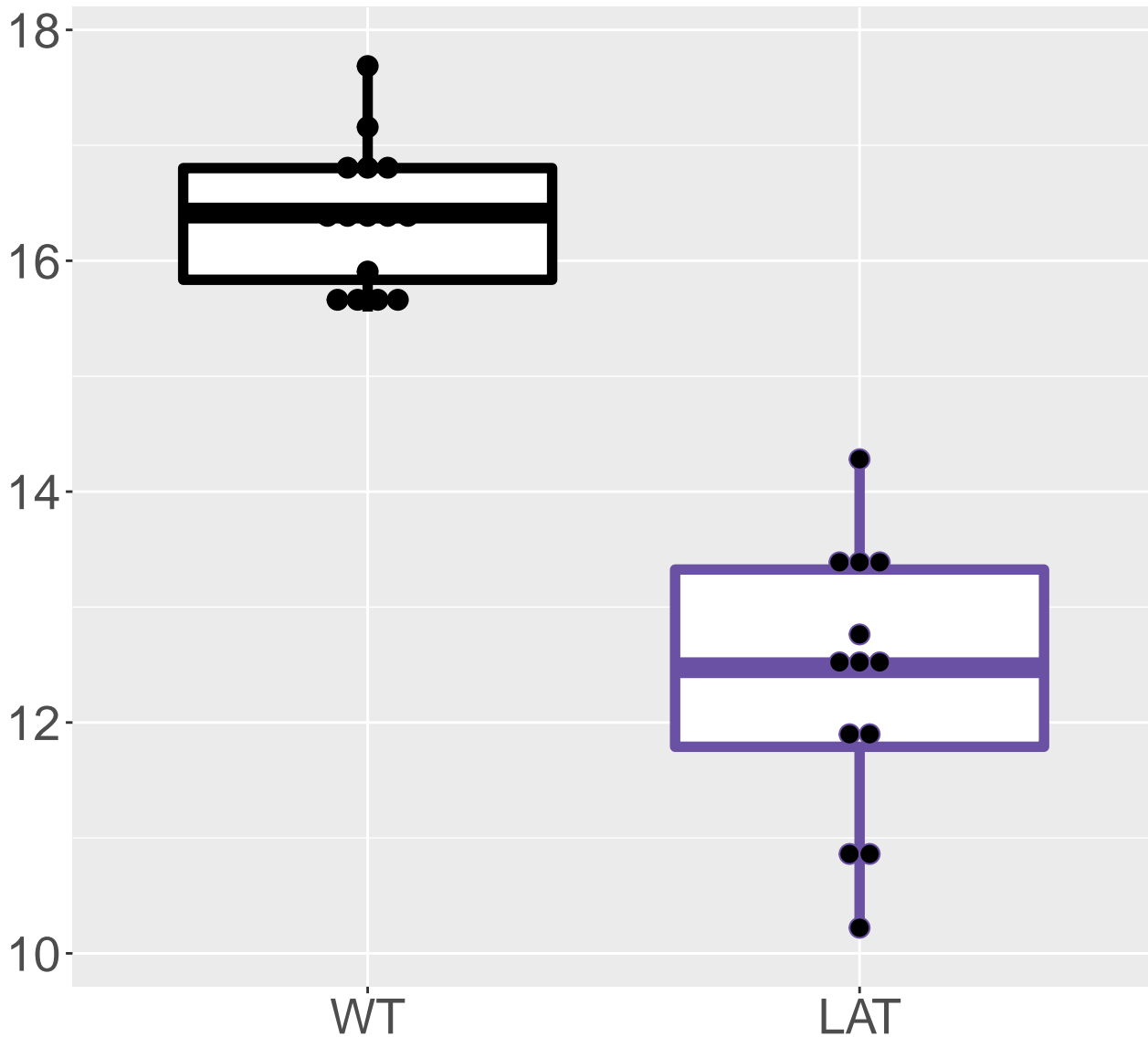
**M463.9087T261.36\_2**

**FDR = 2.9e-09, FC = -3.4**



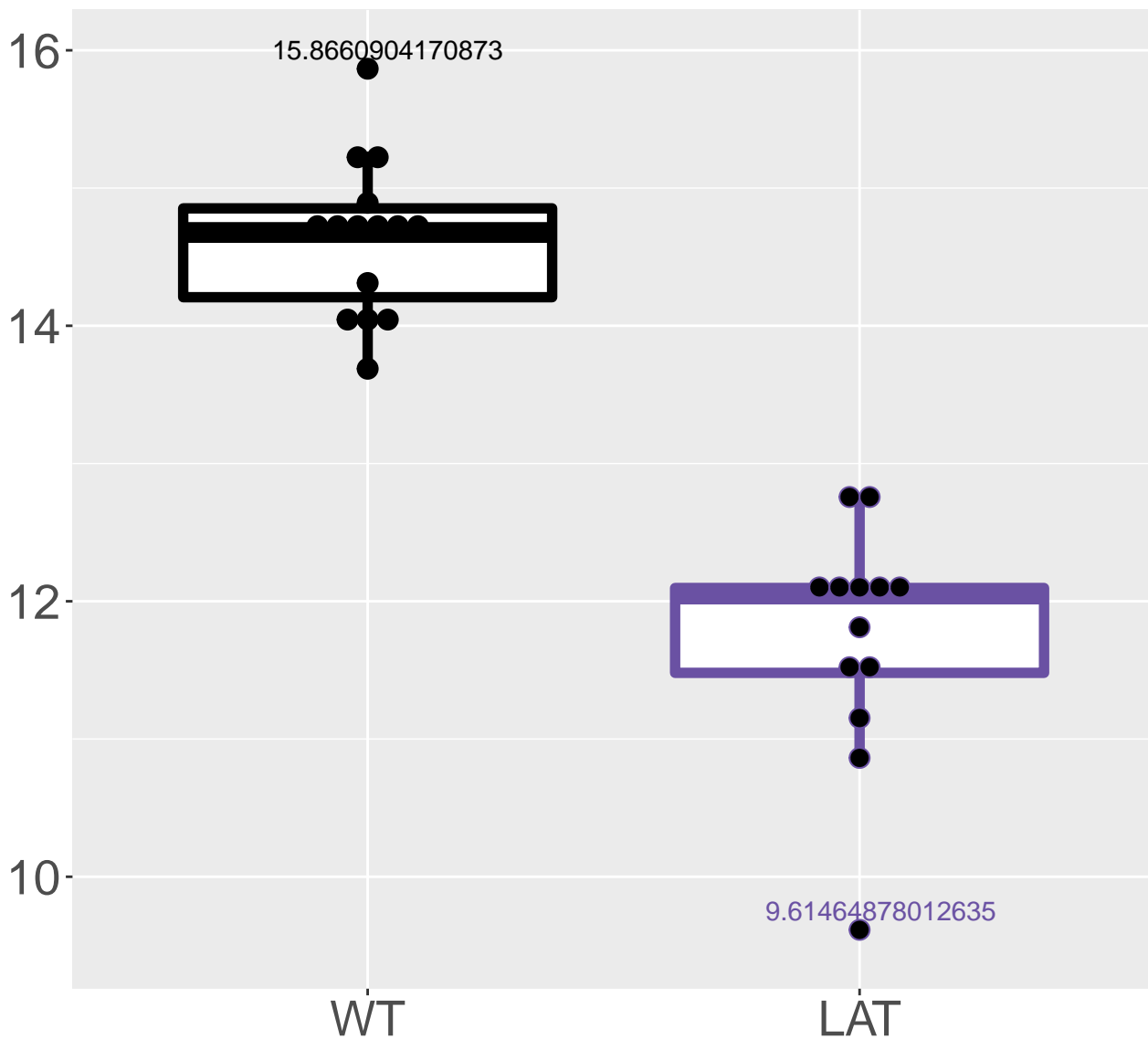
**M284.8295T247.12\_1**

**FDR =  $3.7\text{e-}09$ , FC = -4.1**



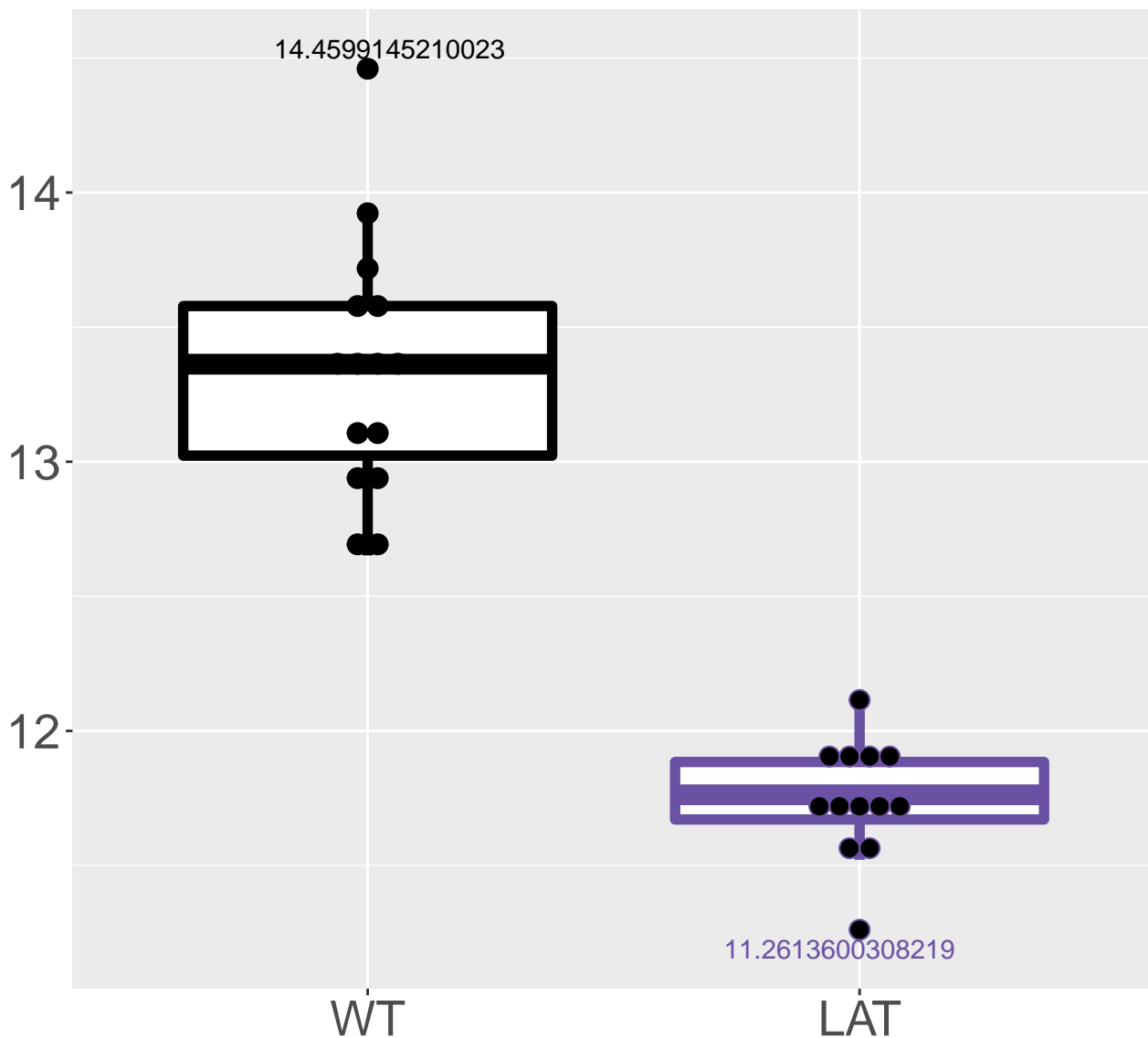
**M366.1866T268.09**

**FDR = 5.8e-09, FC = -2.9**



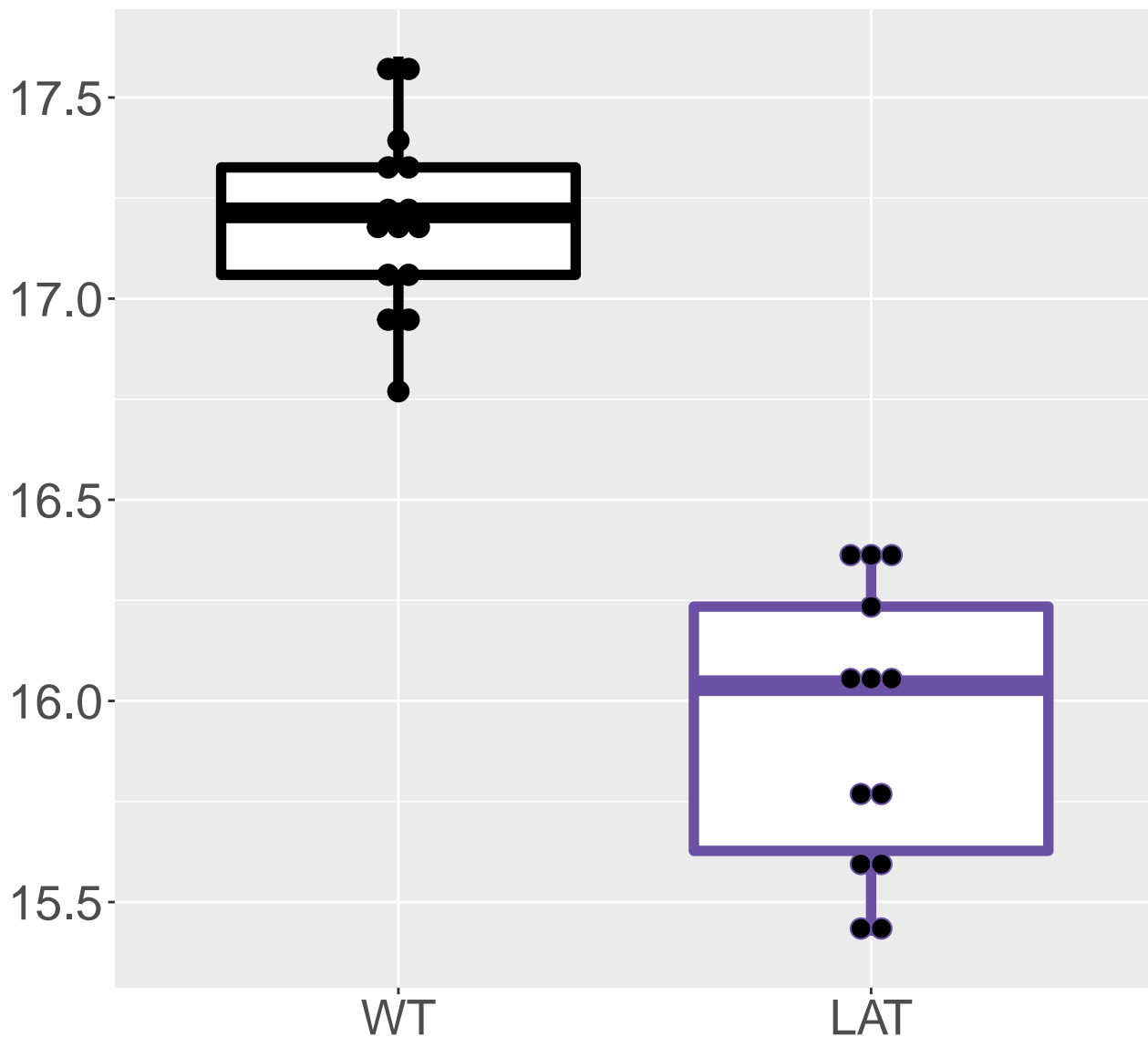
**M426.7409T247.89**

**FDR = 5.8e-09, FC = -1.6**



**M692.2178T377.42\_4**

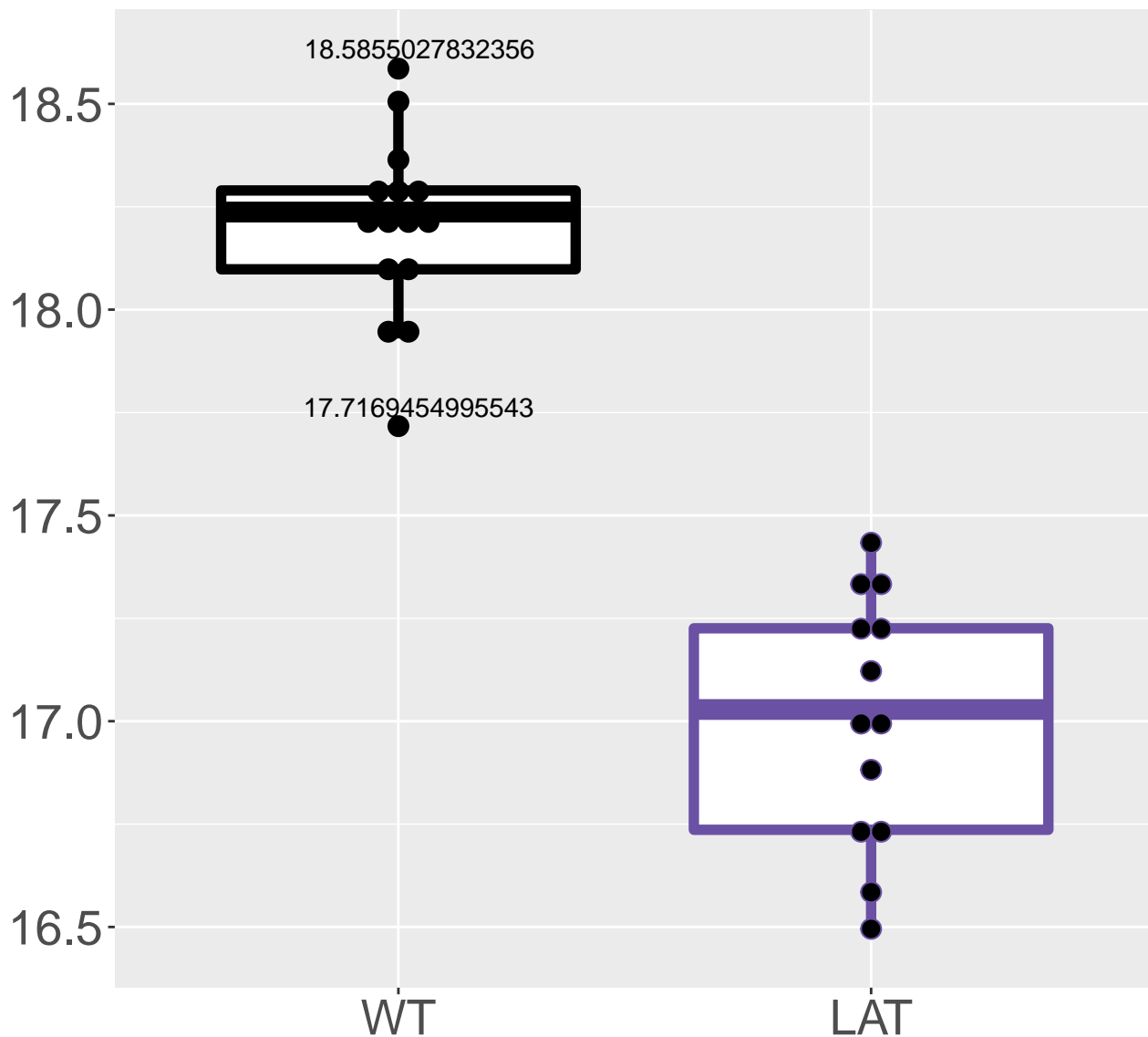
**FDR =  $5.8e-09$ , FC =  $-1.3$**





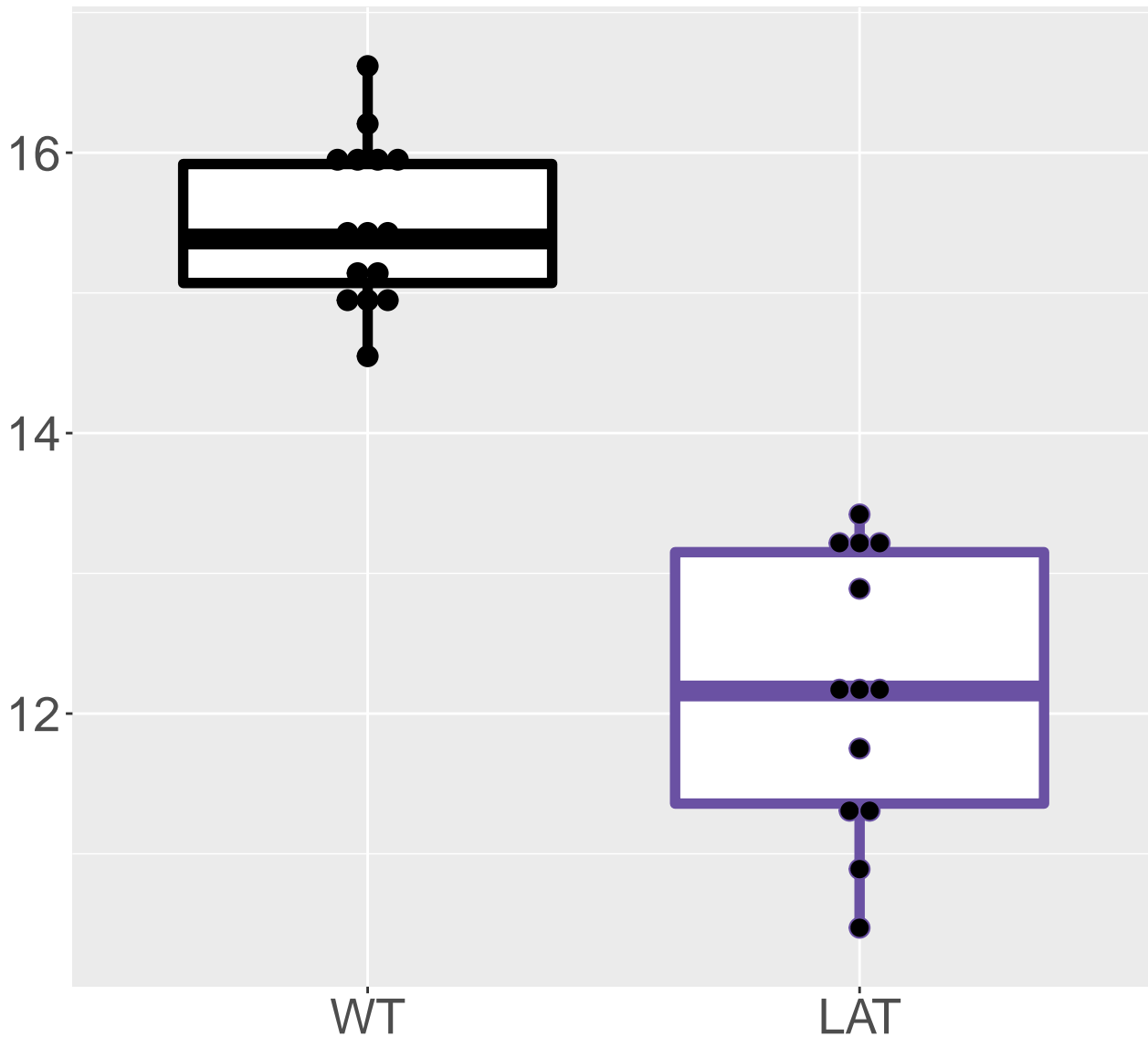
**M755.0545T377.53\_4**

**FDR = 5.8e-09, FC = -1.2**

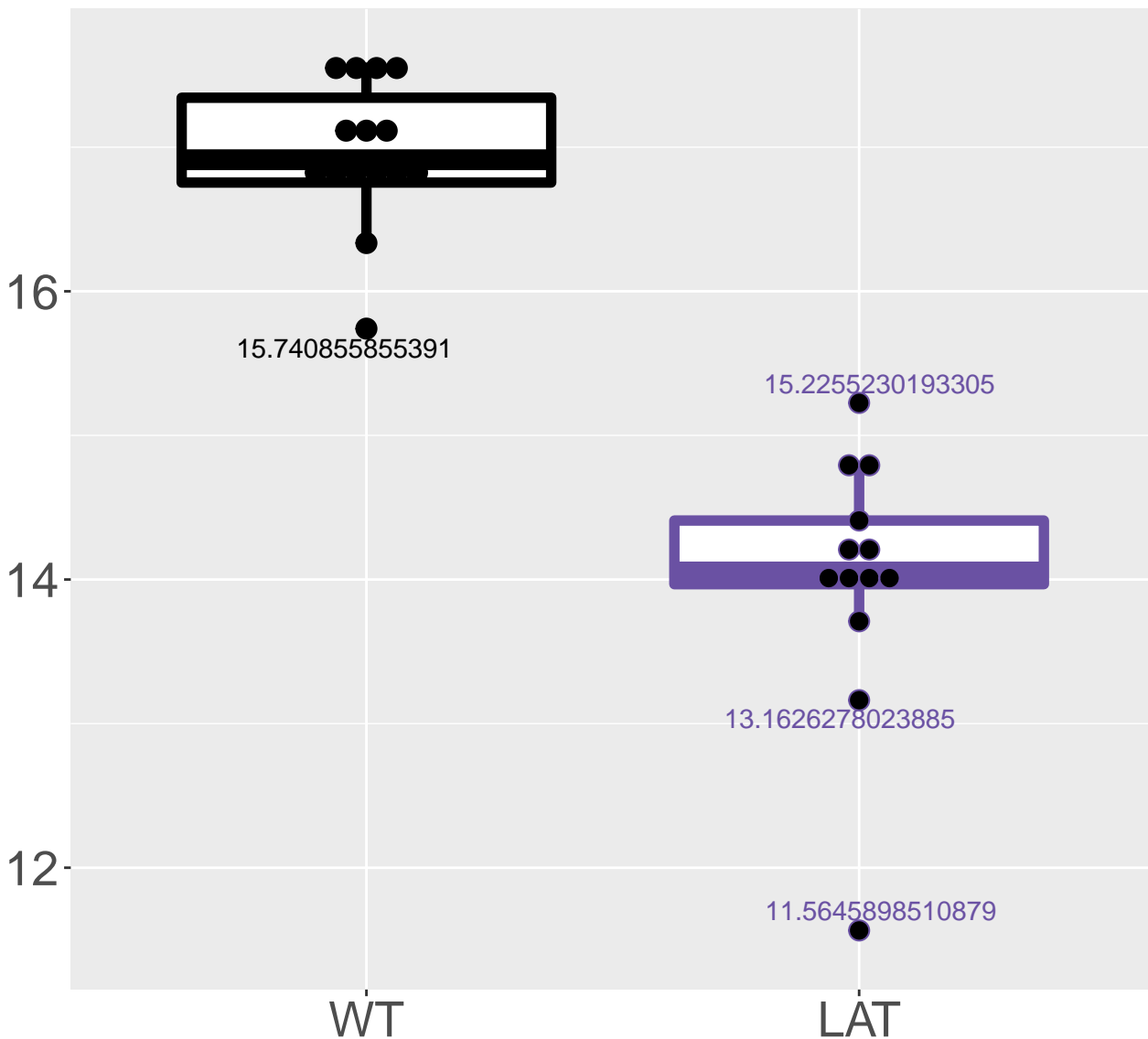


**M245.8976T96.4\_1**

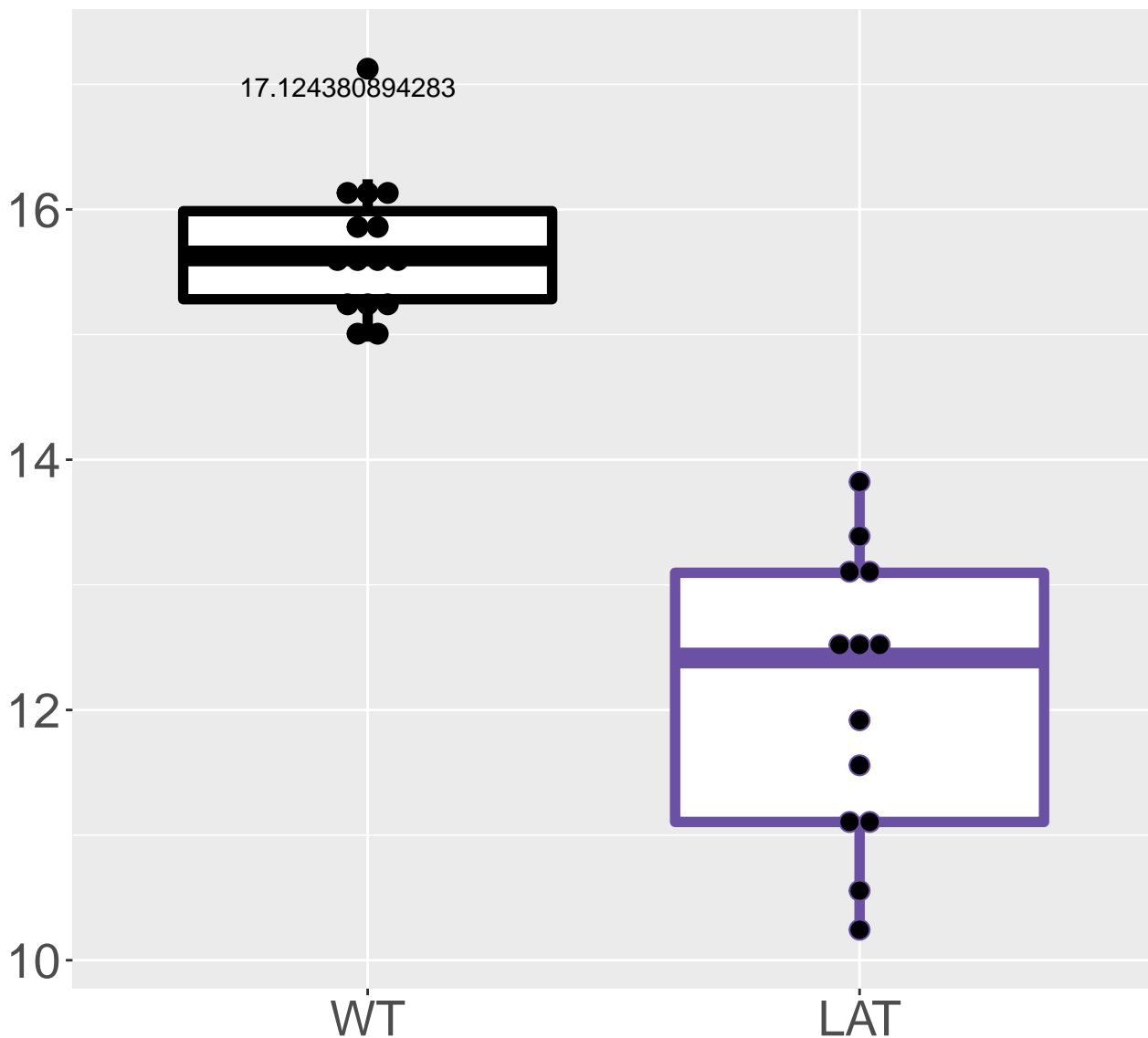
**FDR =  $6.1\text{e-}09$ , FC =  $-3.3$**



**M550.1199T73.86**  
**FDR =  $8.2e-09$ , FC = -3**

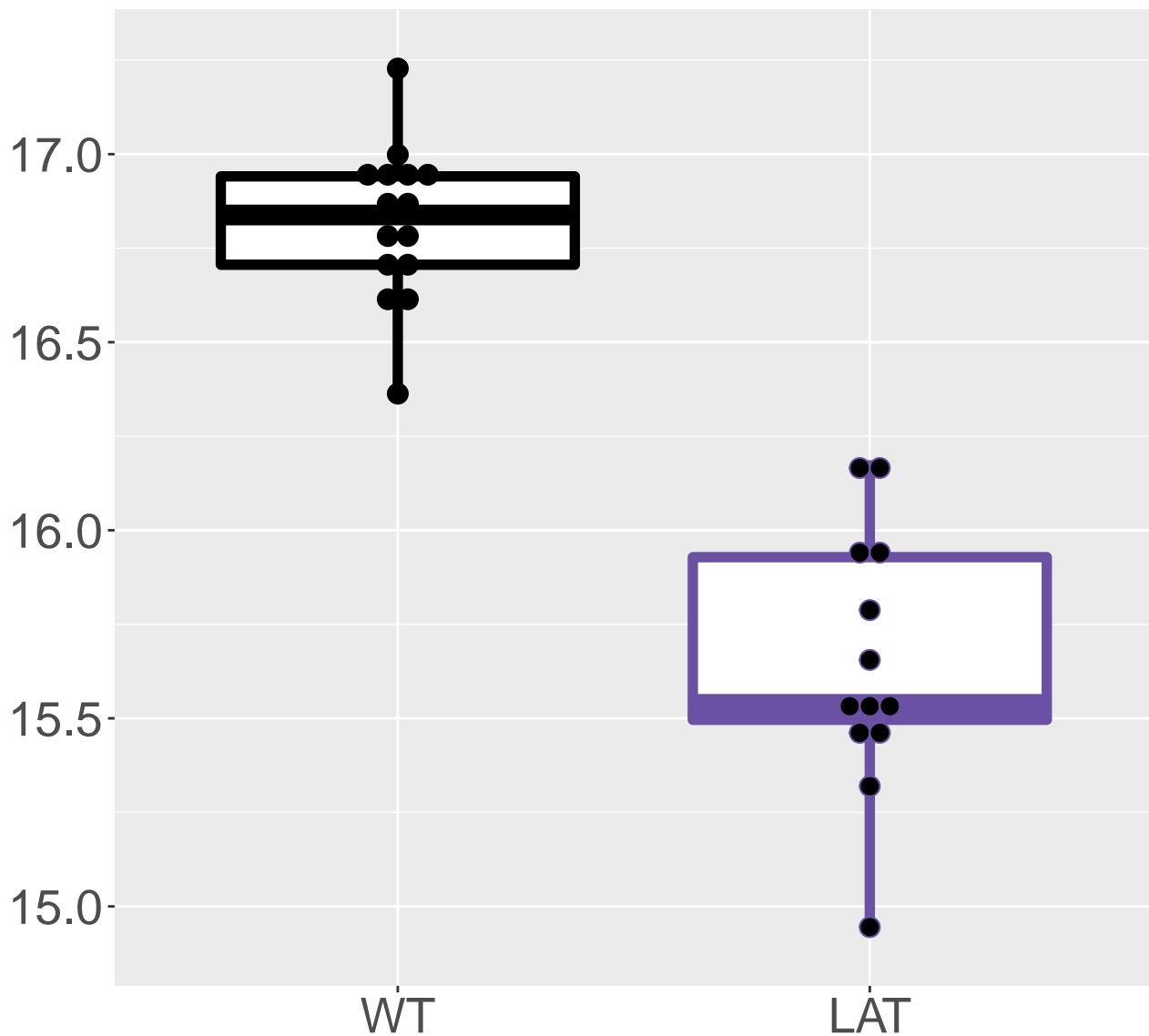


**M463.5747T261.28\_1**  
**FDR = 8.7e-09, FC = -3.6**



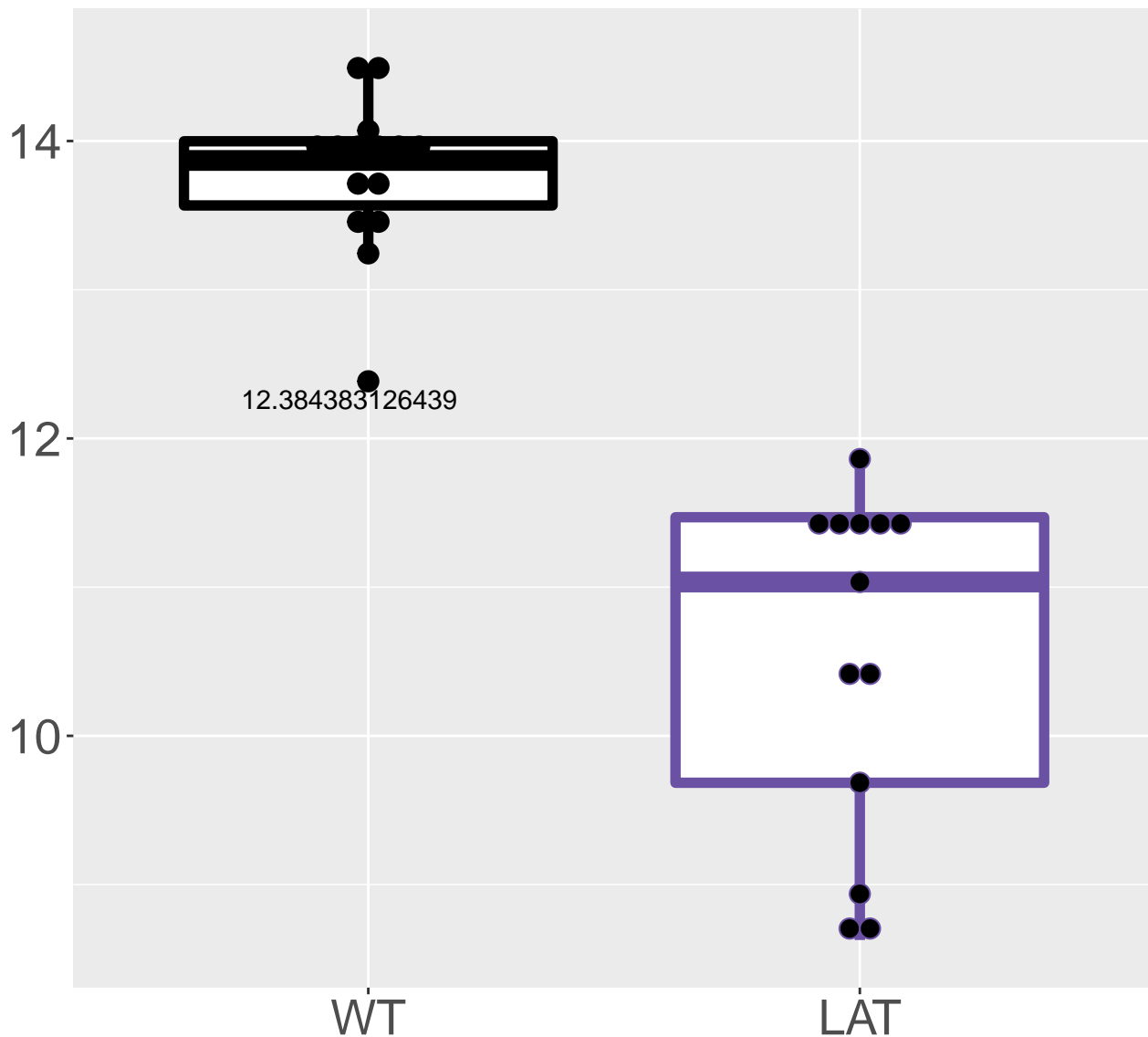
**M830.1574T377.58\_2**

**FDR = 1.2e-08, FC = -1.2**



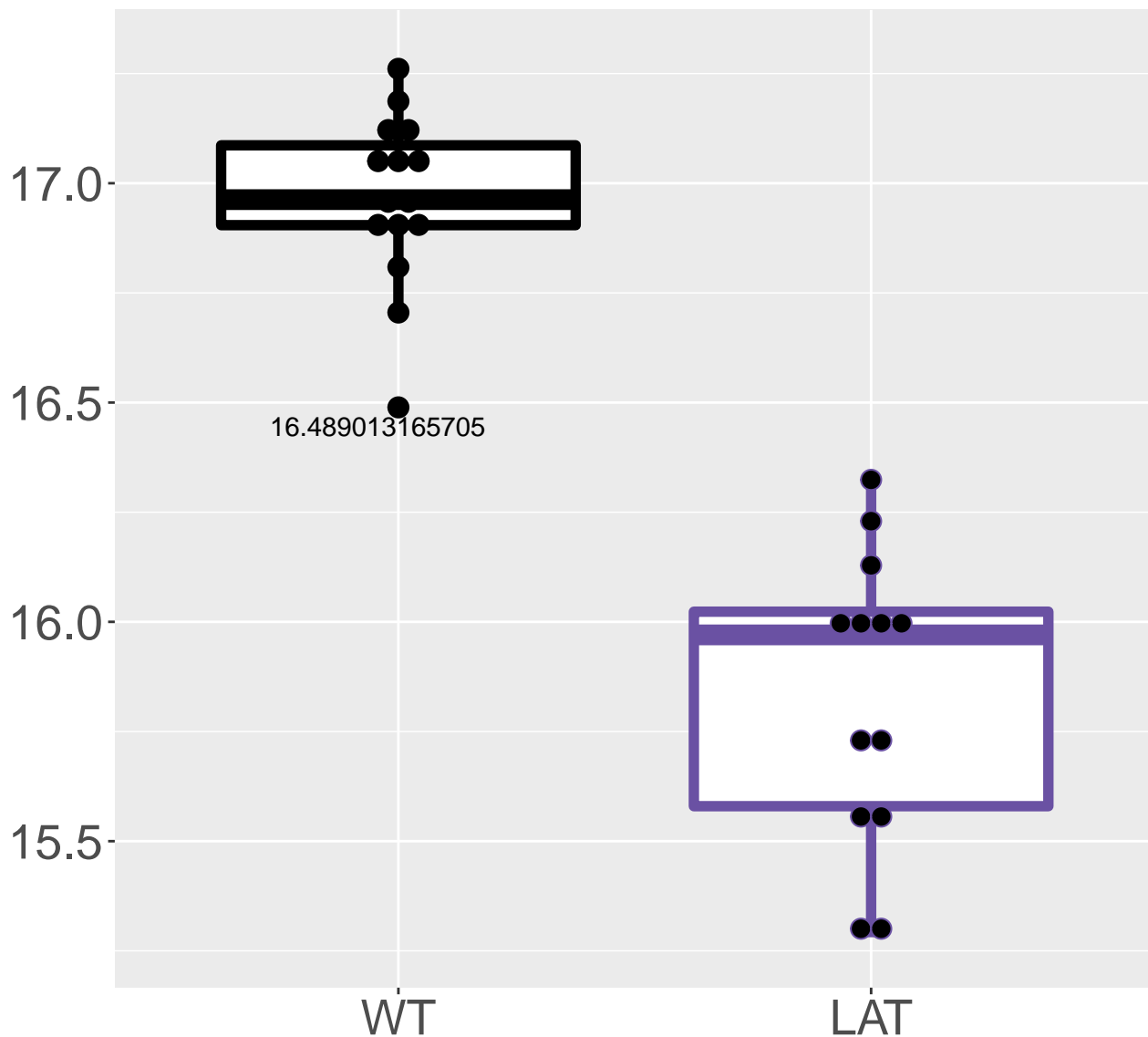
**M613.6959T333.93**

**FDR = 1.2e-08, FC = -3.2**



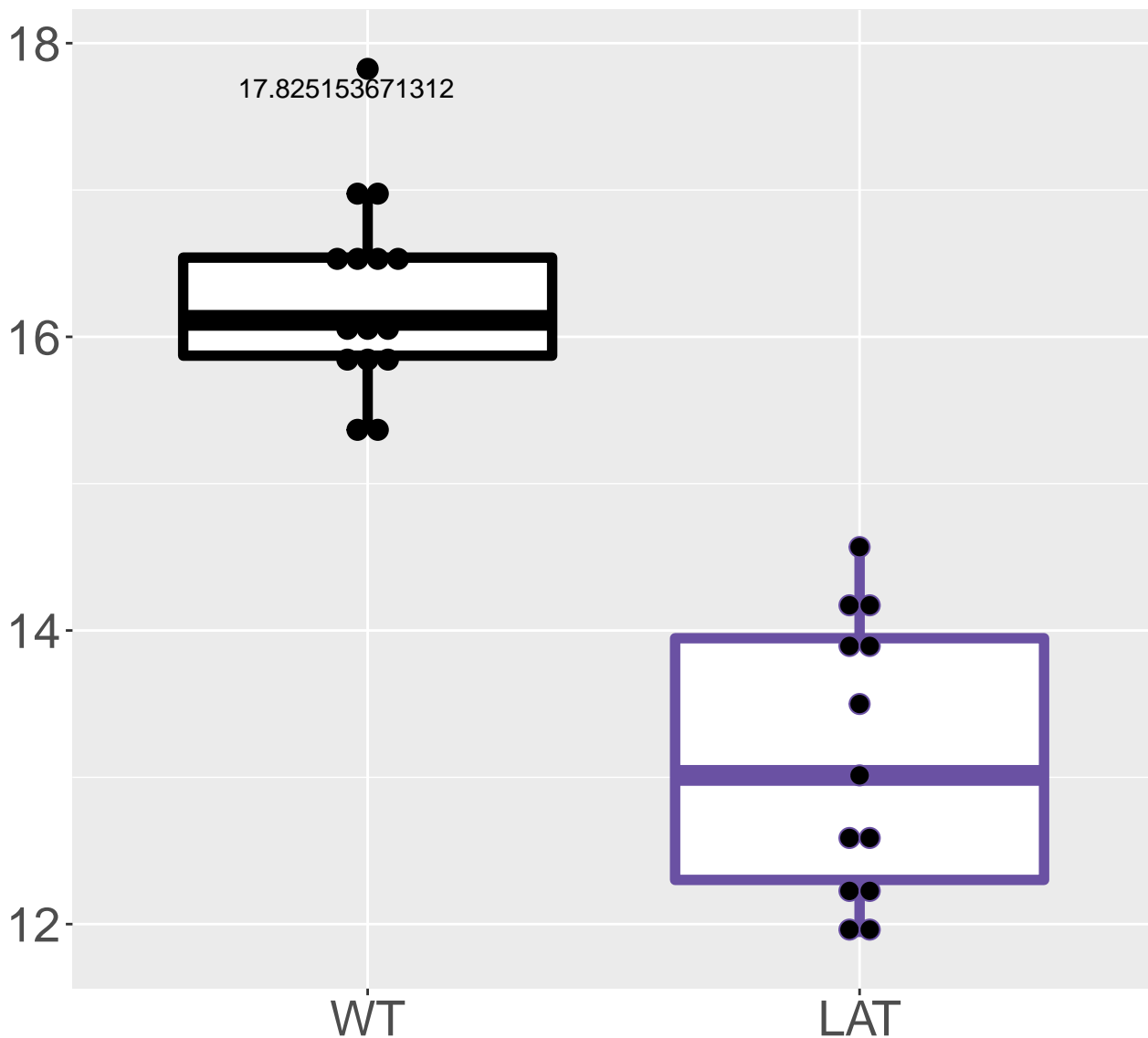
**M830.6581T377.53\_2**

**FDR = 1.2e-08, FC = -1.1**



**M306.9156T243.97\_1**

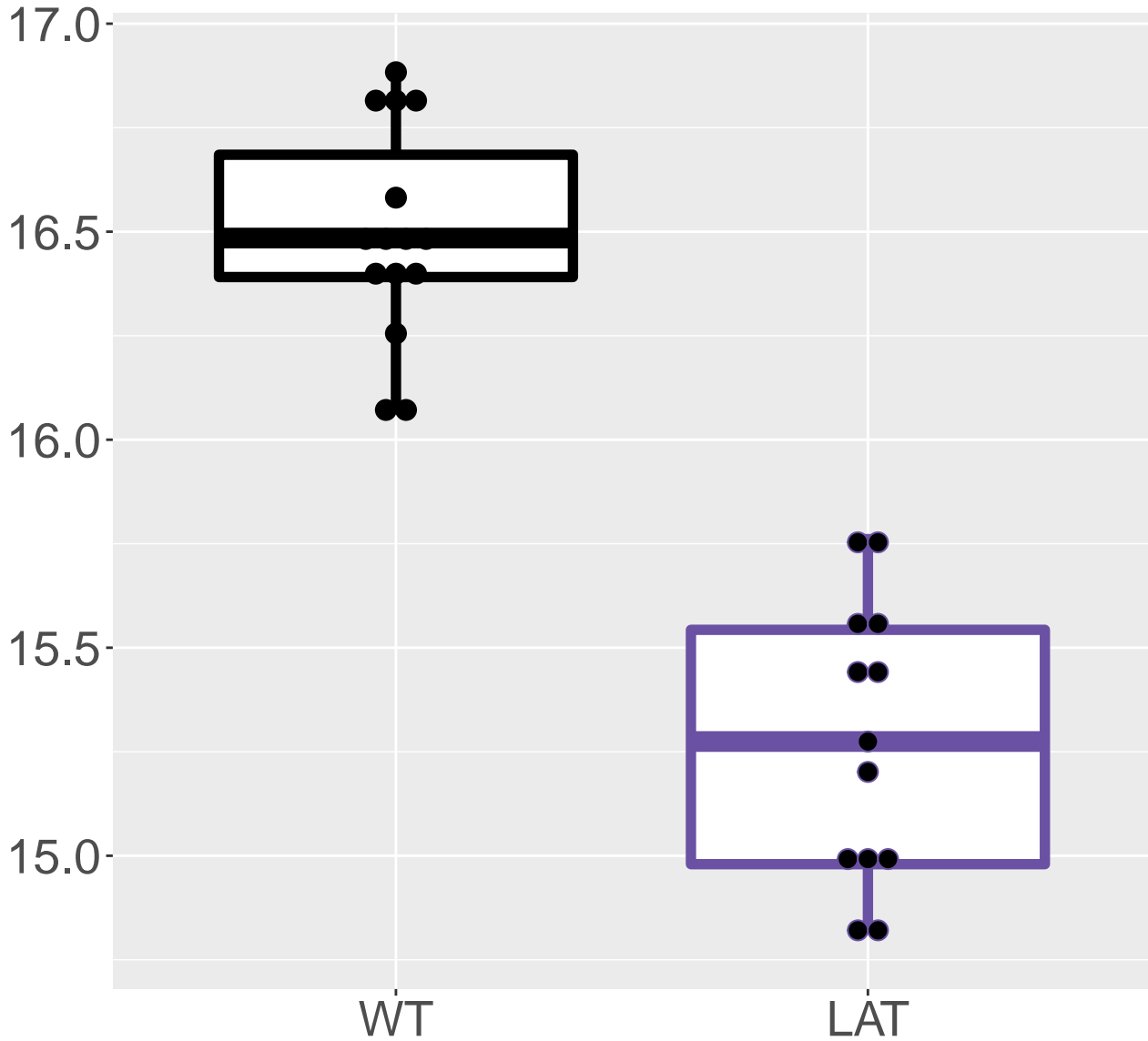
**FDR = 1.7e-08, FC = -3.1**



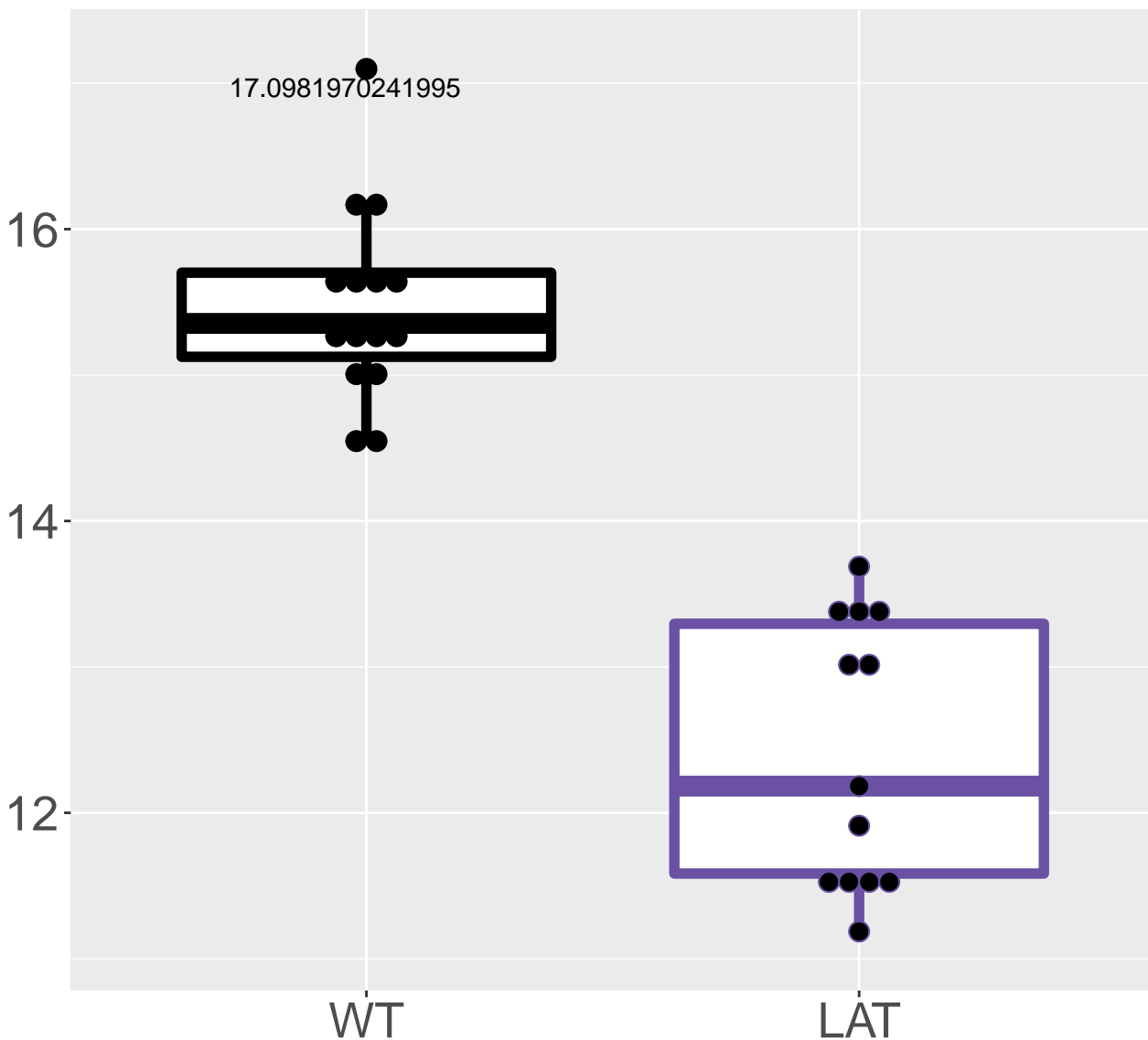


**M692.3848T377.46\_5**

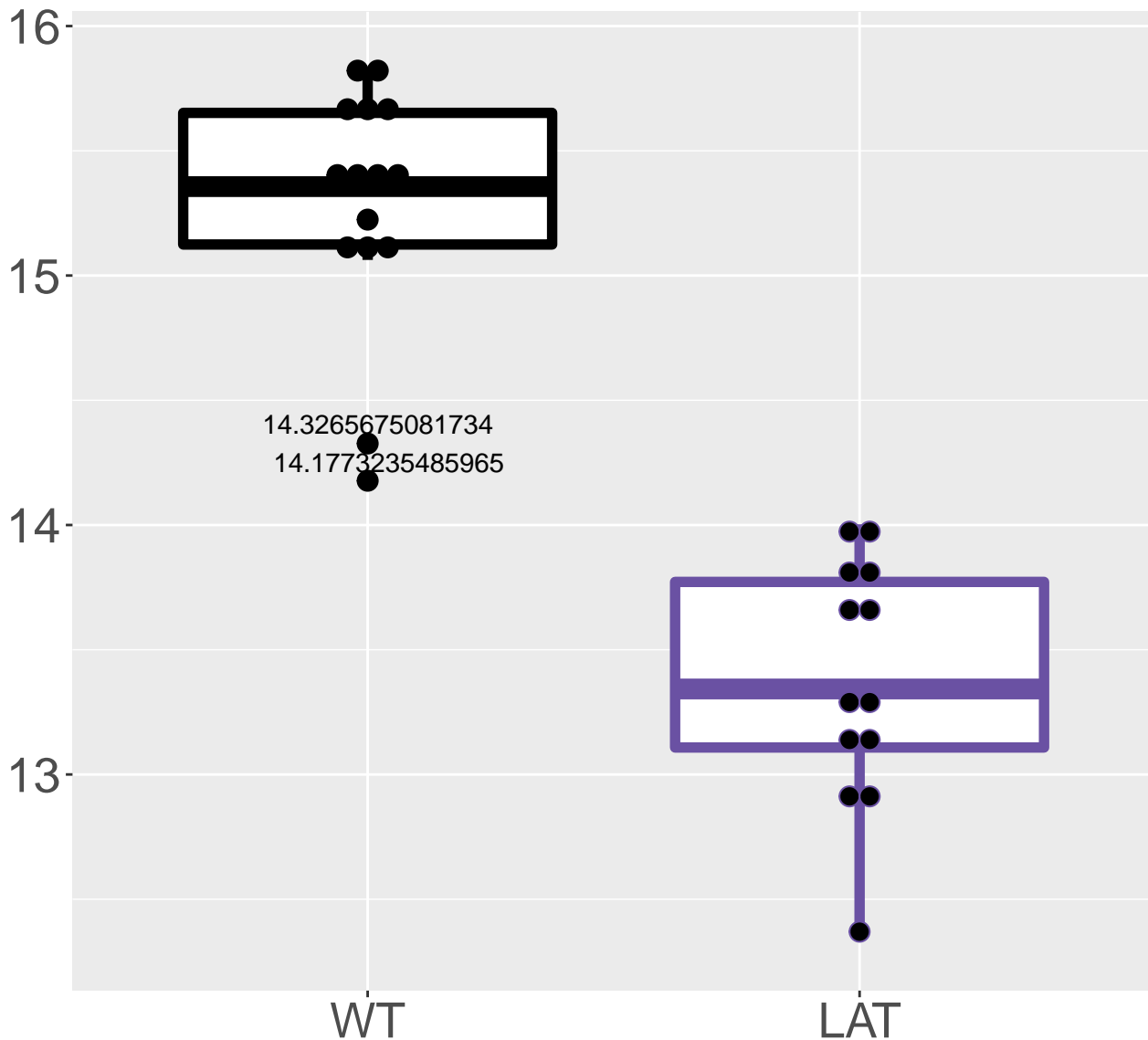
**FDR = 1.7e-08, FC = -1.2**



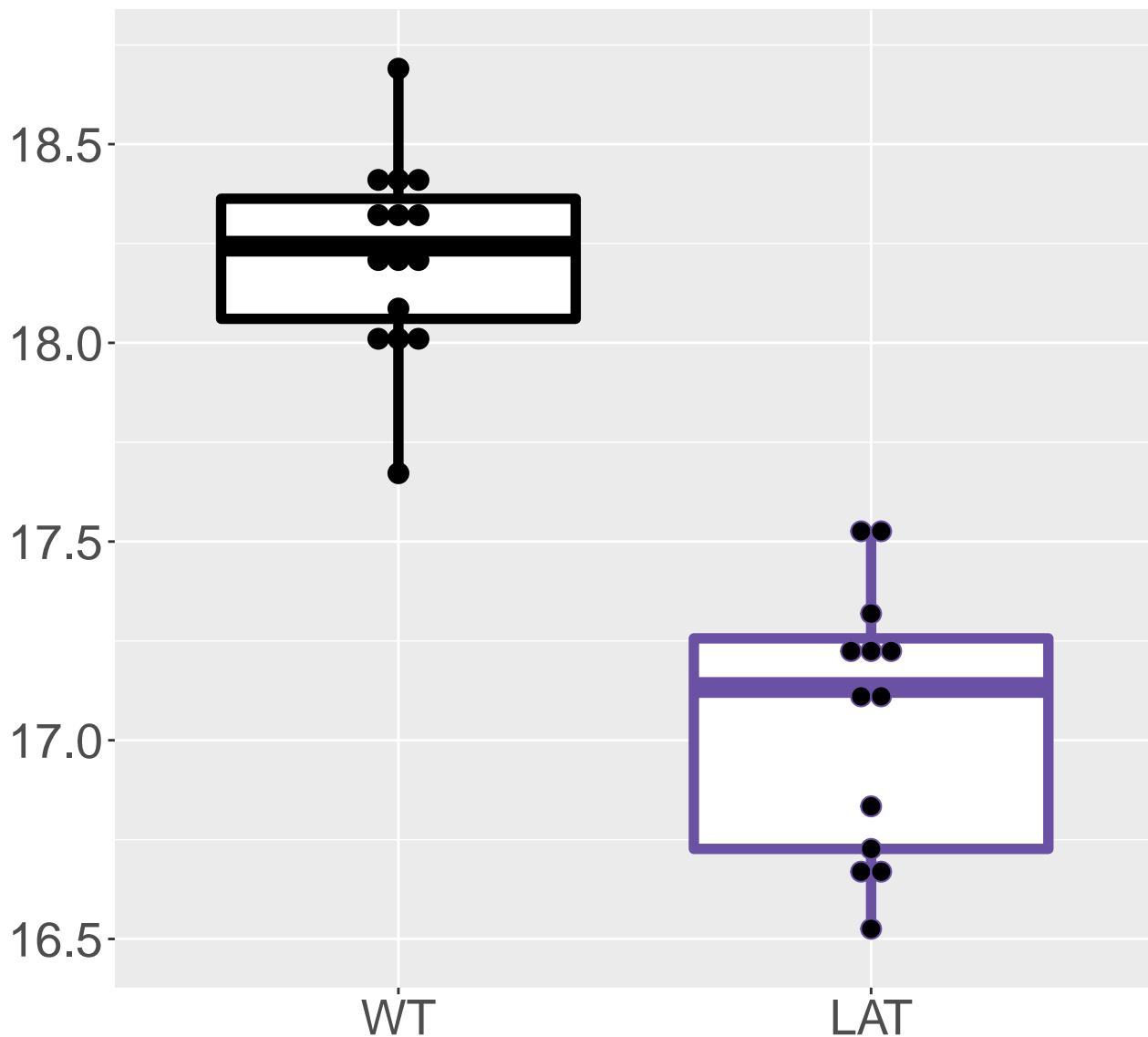
**FDR = 2e-08, FC = -3.1**



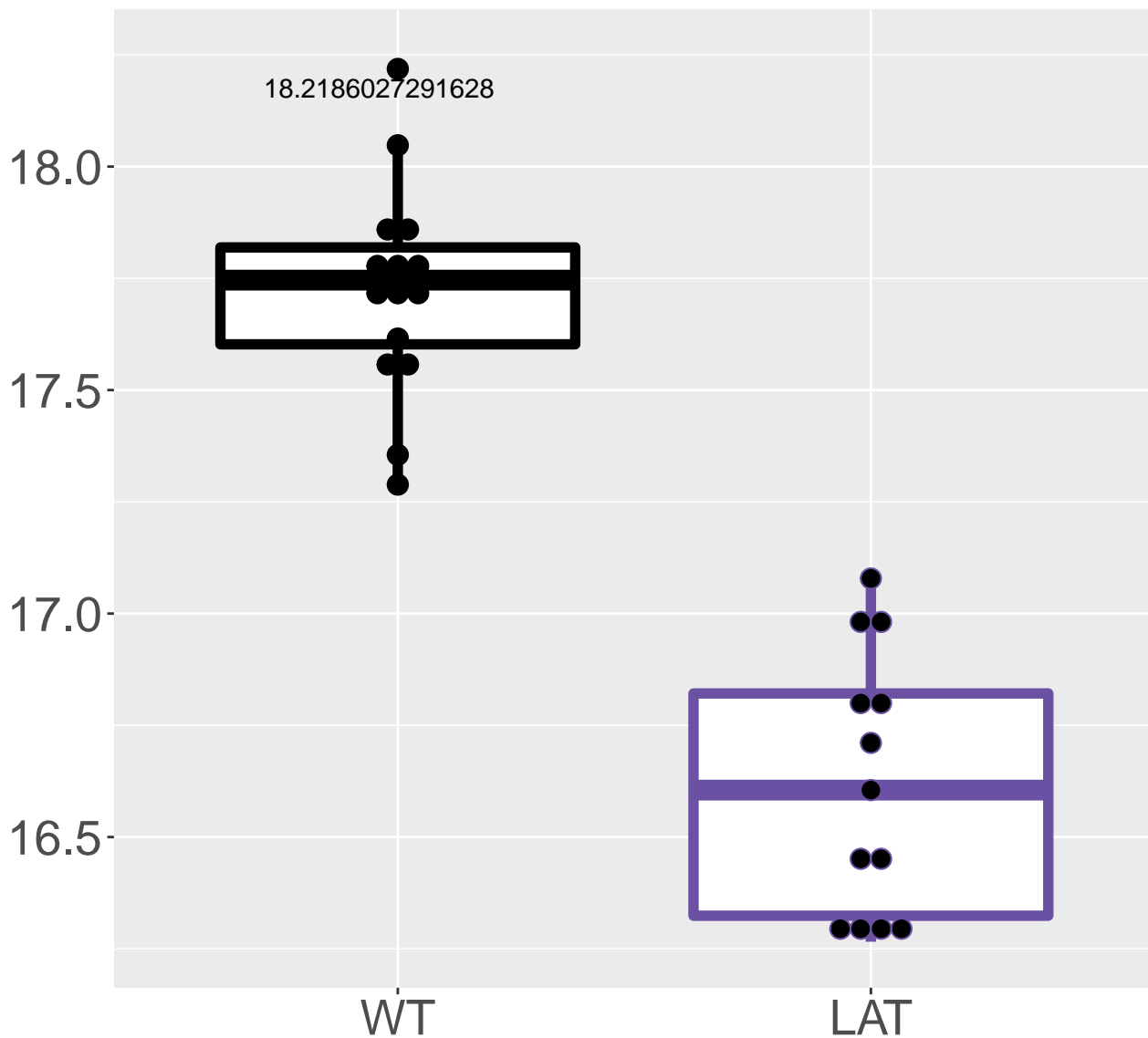
**M490.5198T258.38\_1**  
**FDR = 2e-08, FC = -1.9**



**M754.9633T377.54\_3**  
**FDR = 2e-08, FC = -1.2**

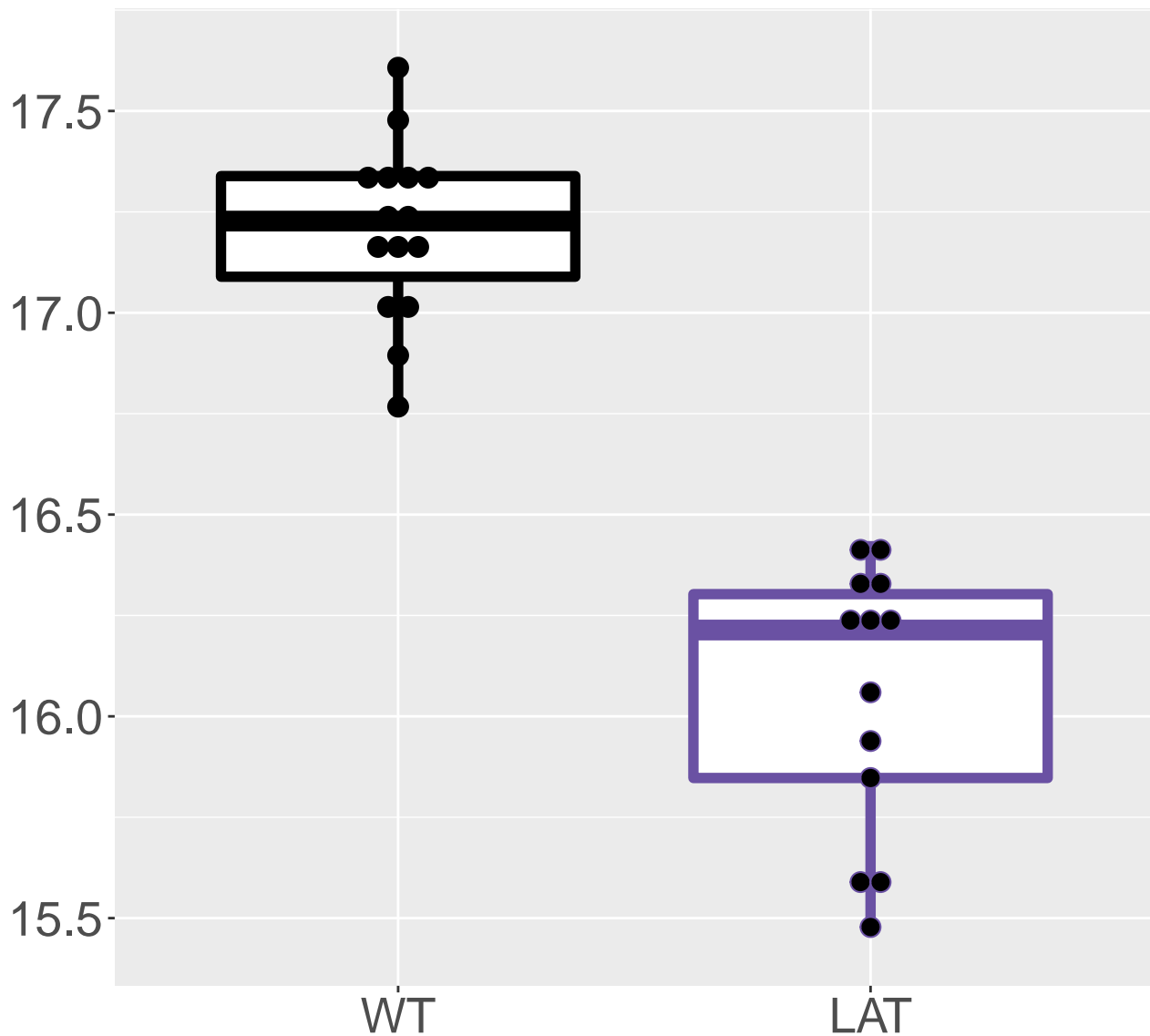


**M830.458T377.53\_4**  
**FDR = 2e-08, FC = -1.1**



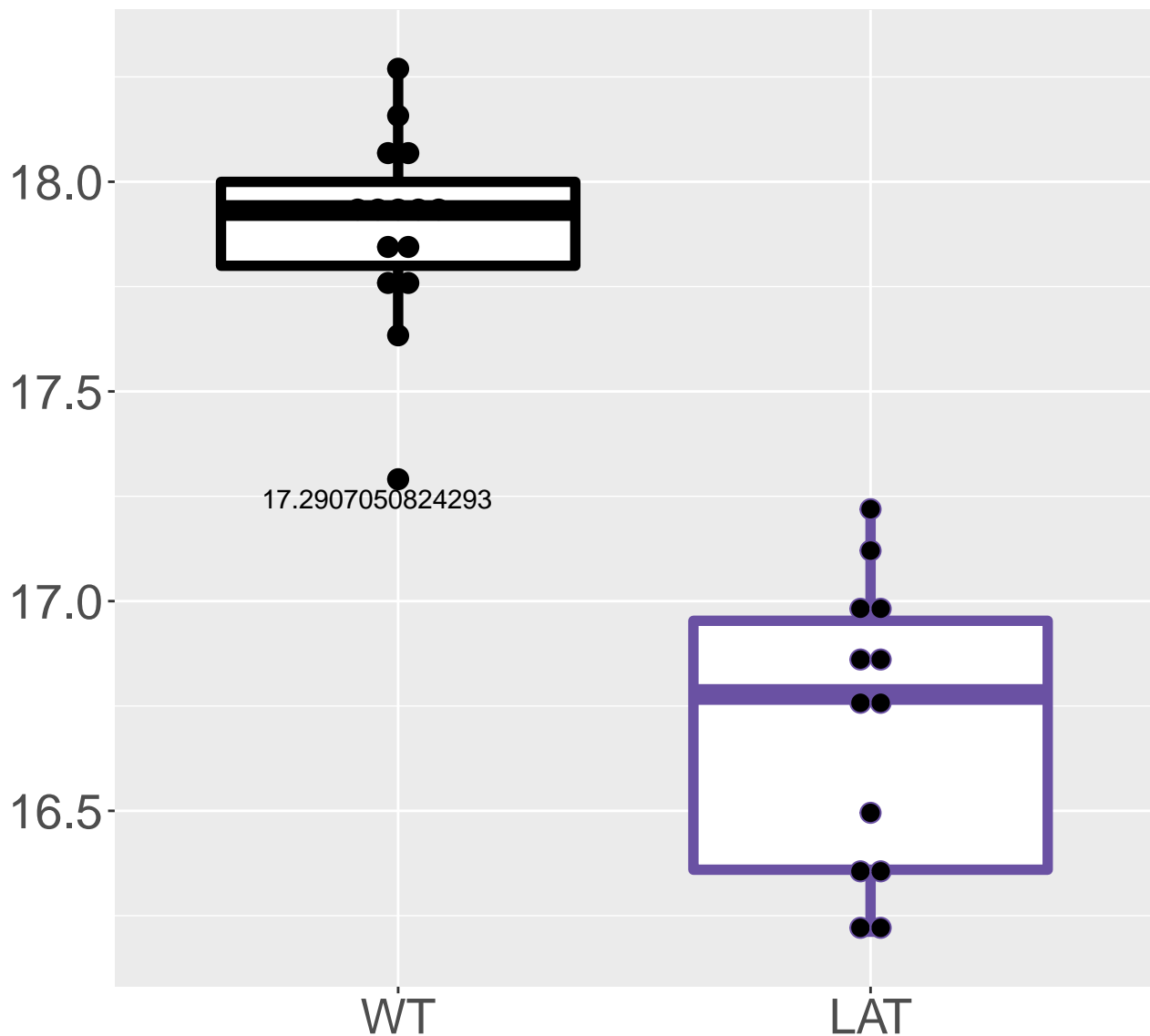
**M754.7809T377.53\_1**

**FDR =  $2.2e-08$ , FC =  $-1.2$**

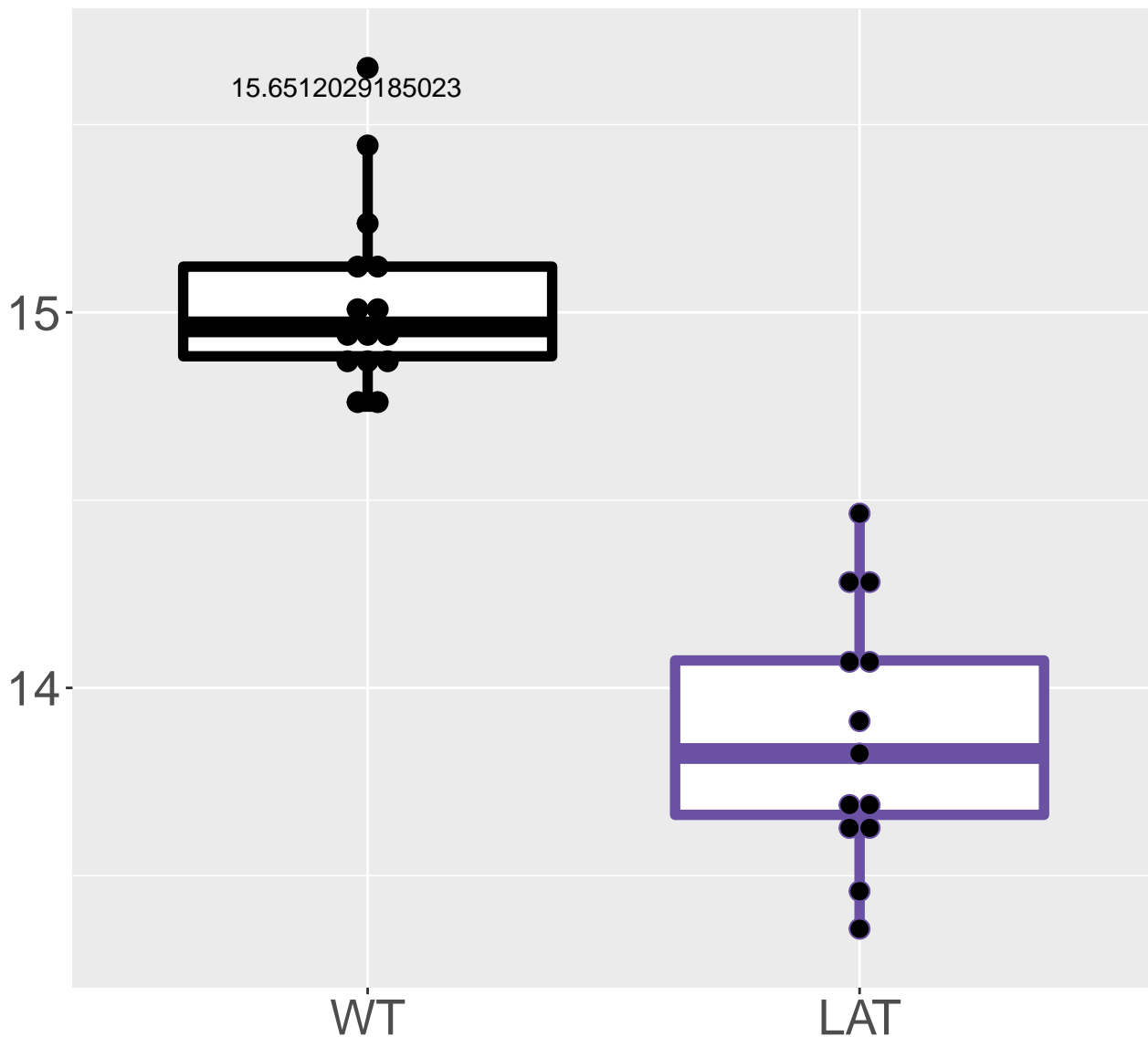


**M755.1454T377.55\_5**

**FDR = 2.2e-08, FC = -1.2**



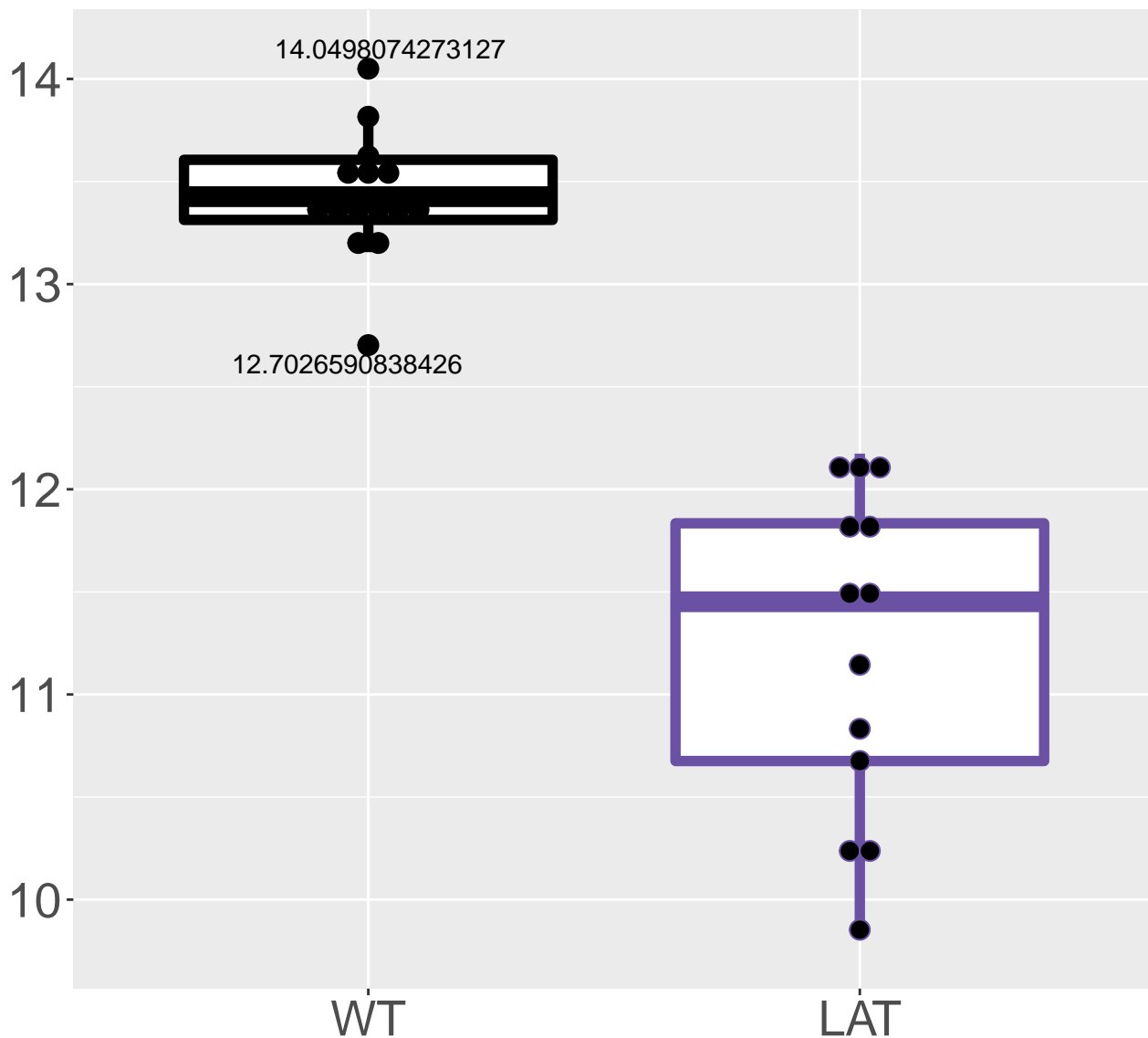
**M691.8834T377.35\_1**  
**FDR = 2.6e-08, FC = -1.2**





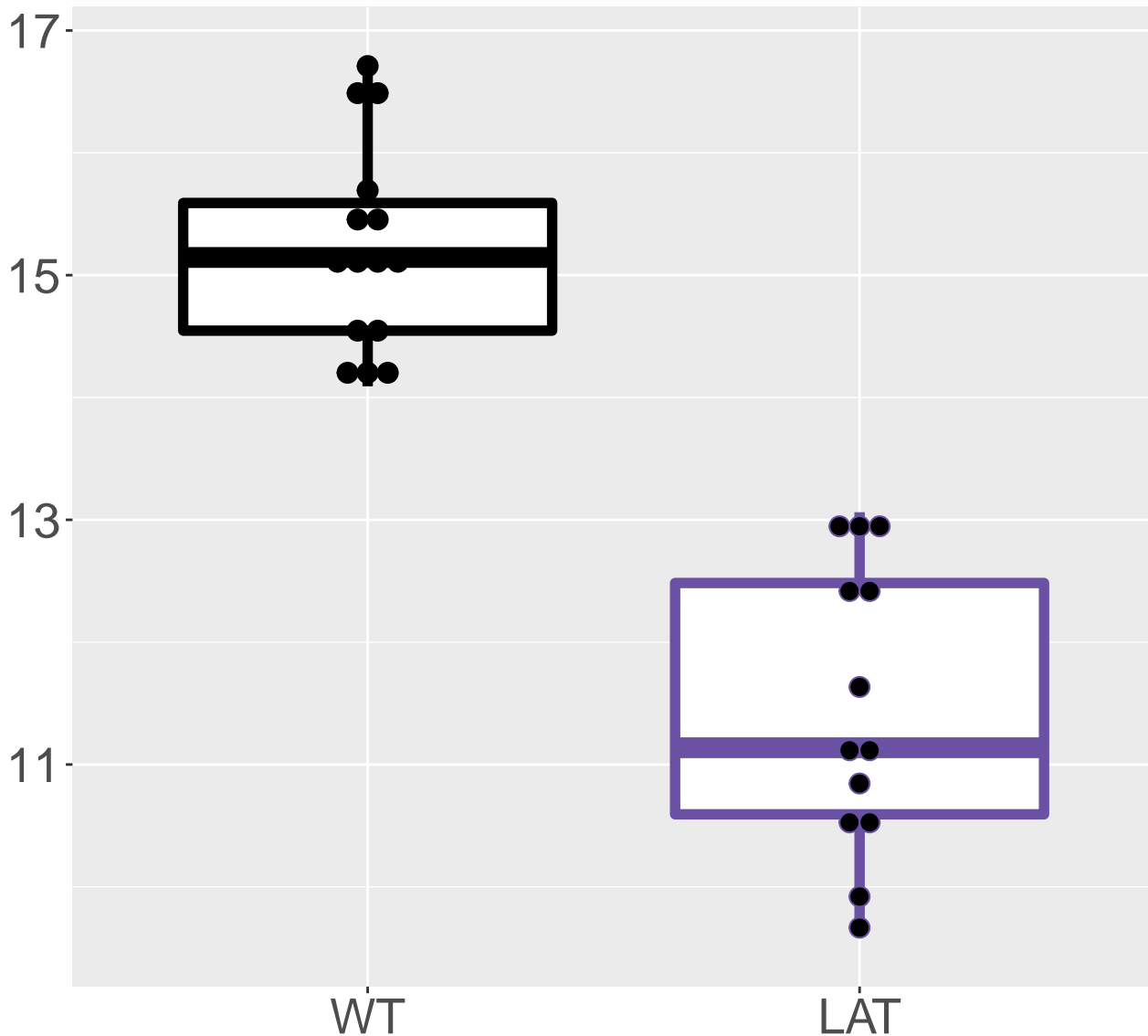
**M463.9295T277.77**

**FDR = 2.8e-08, FC = -2.2**



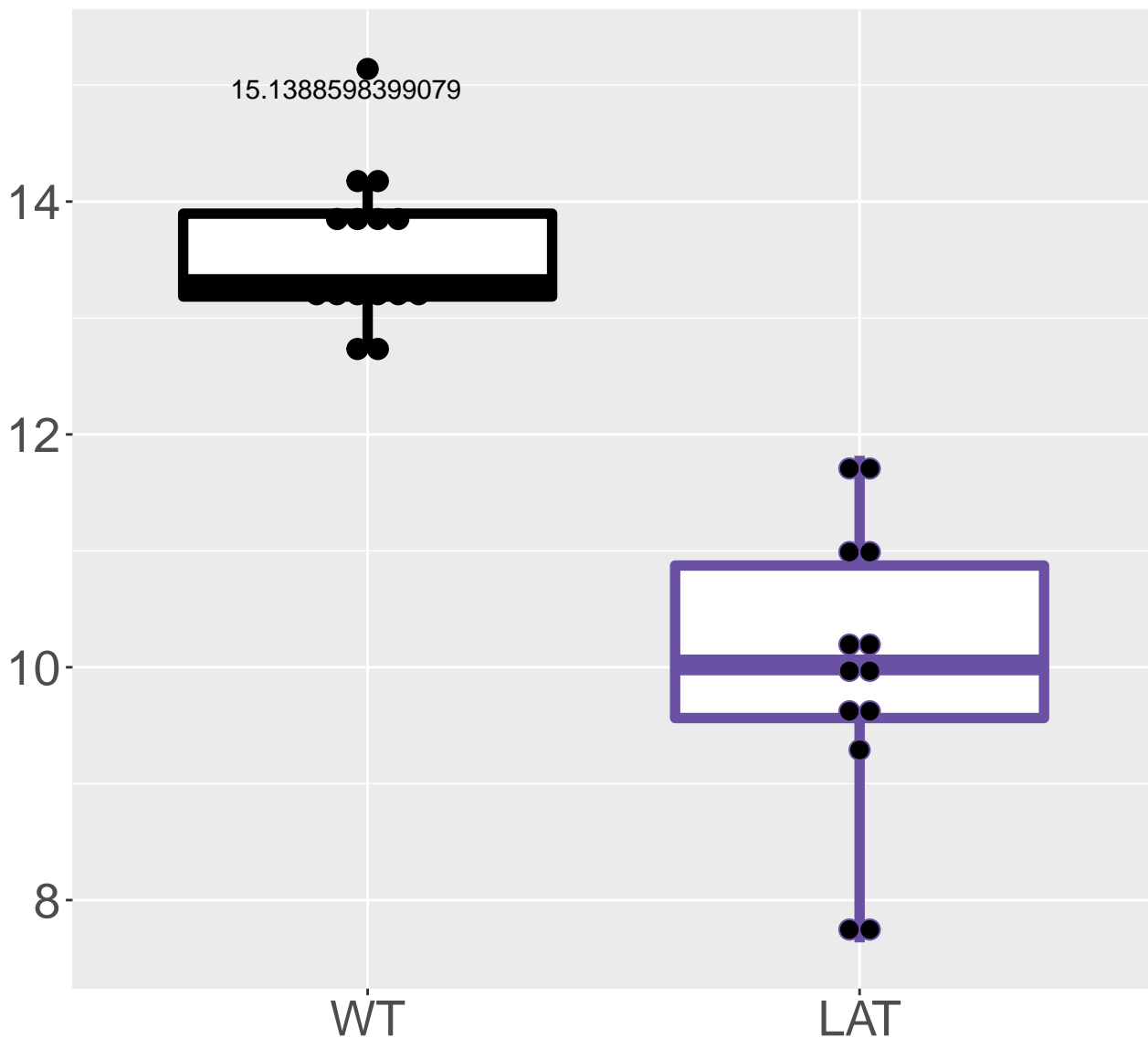
**M650.3883T347.69**

**FDR =  $3.4e-08$ , FC =  $-3.8$**



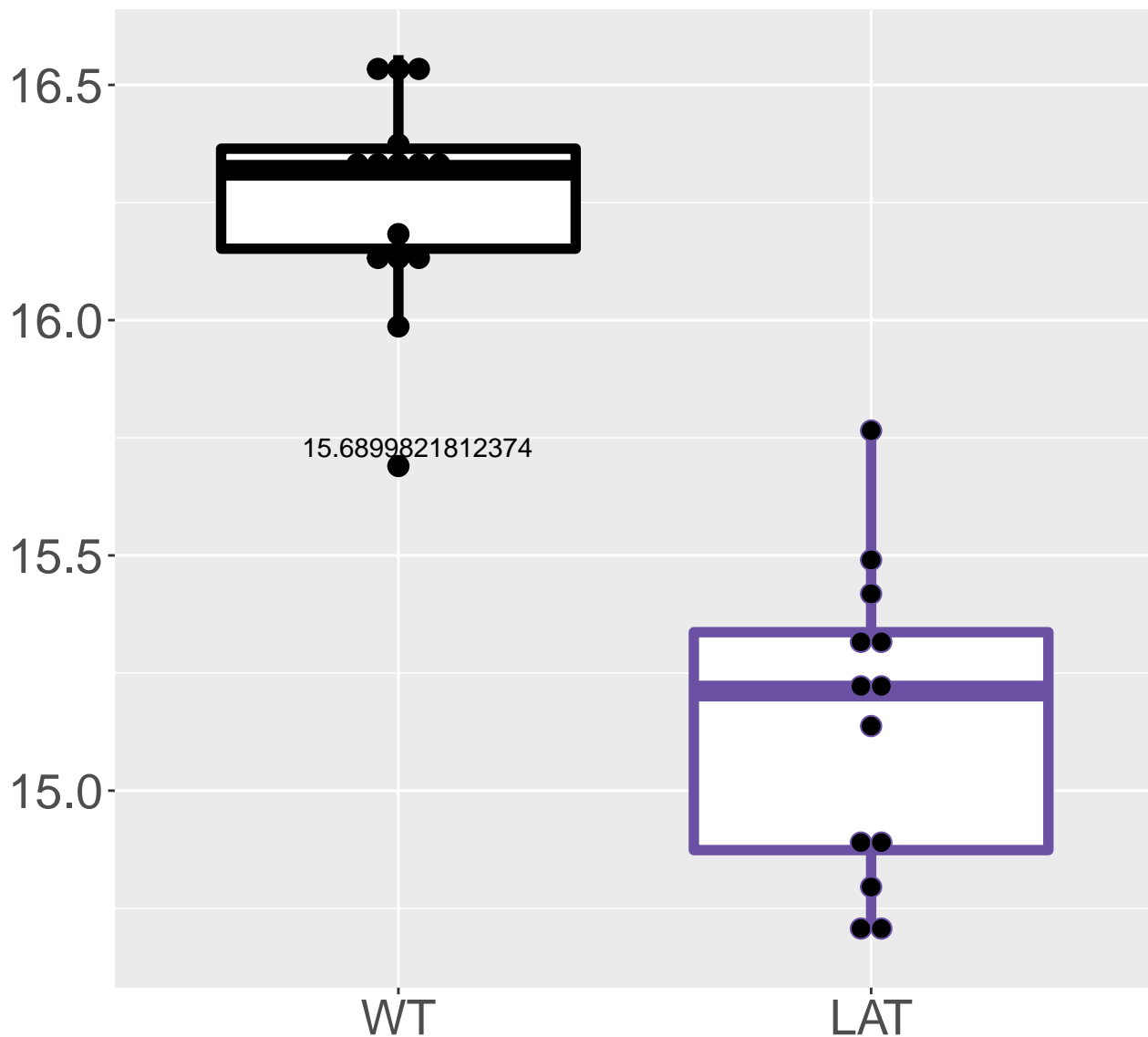
**M409.5537T243.91**

**FDR =  $3.8e-08$ , FC =  $-3.6$**



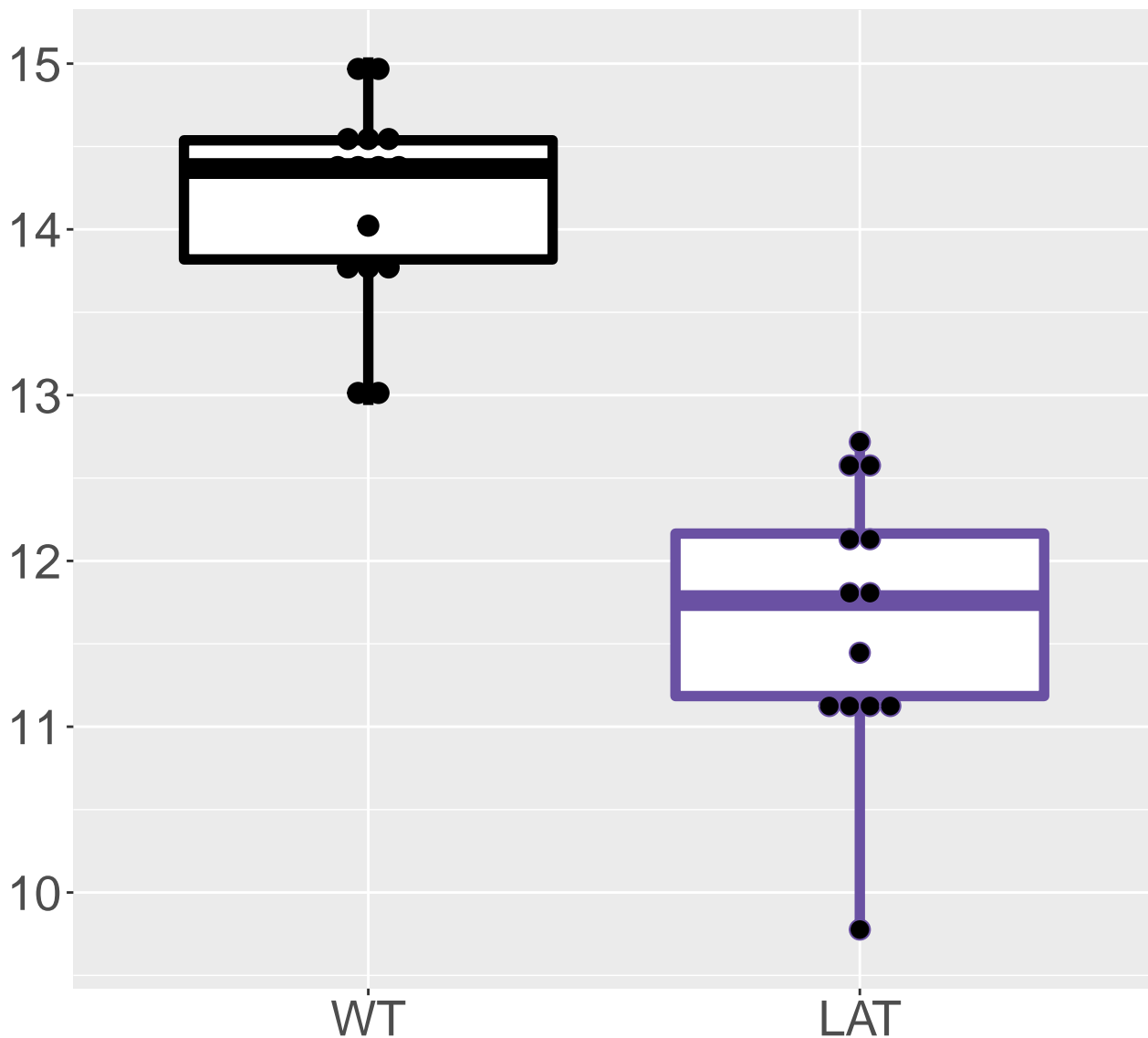
**M691.9672T377.42\_2**

**FDR =  $3.8e-08$ , FC =  $-1.1$**

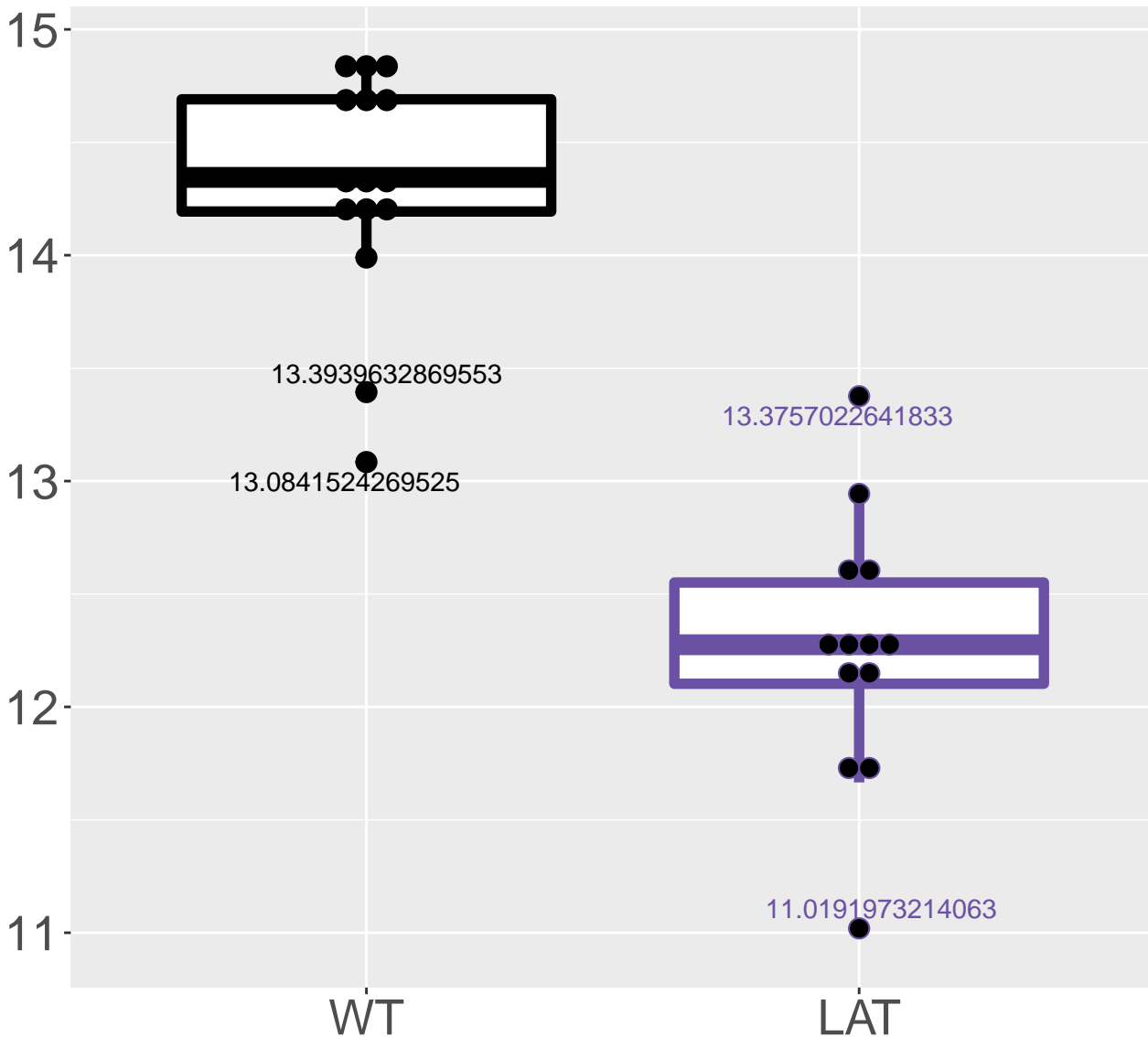


**M374.551T257.72**

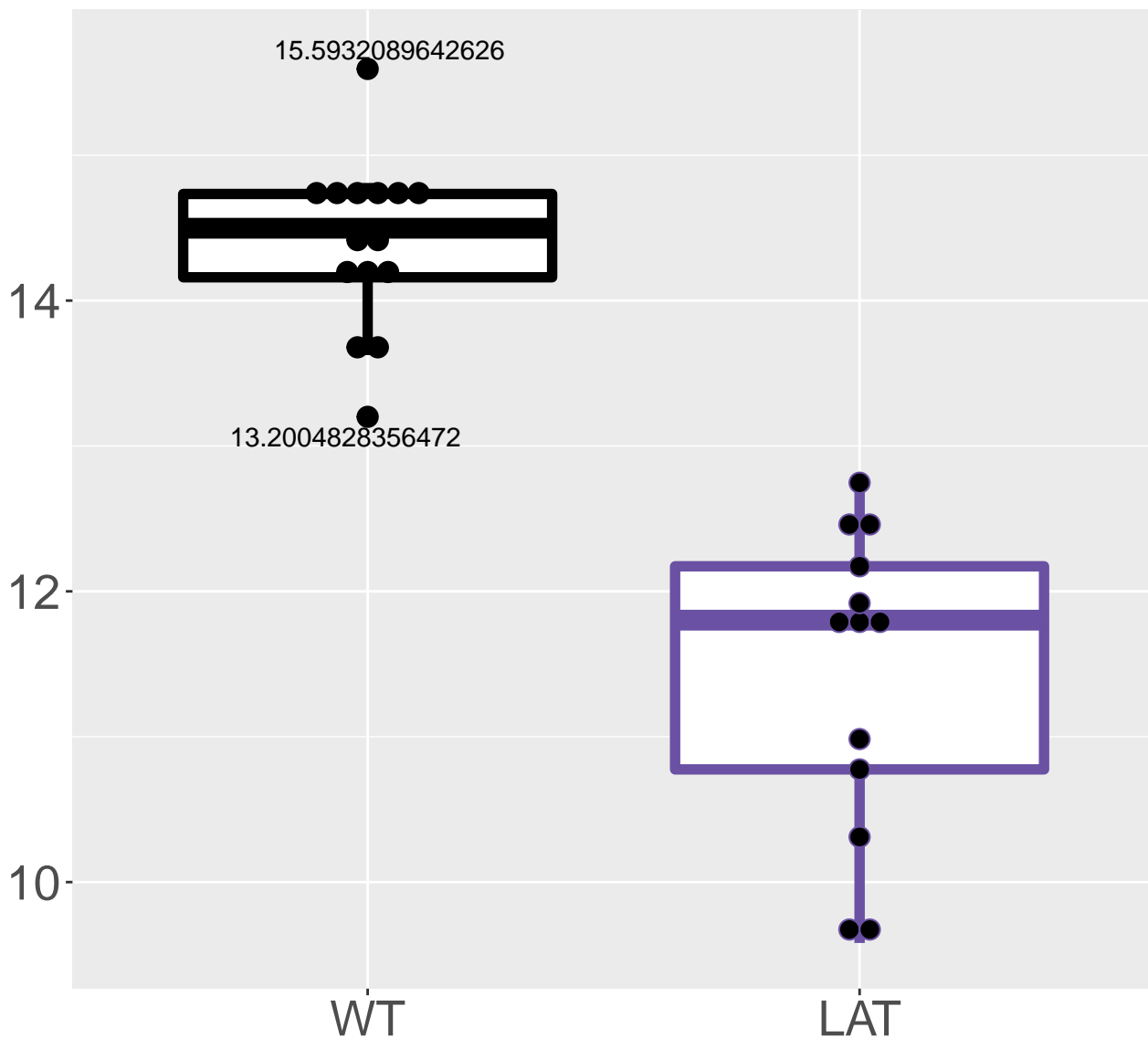
**FDR =  $3.9\text{e-}08$ , FC = -2.5**



**M490.7705T258.3\_2**  
**FDR = 4.6e-08, FC = -2**

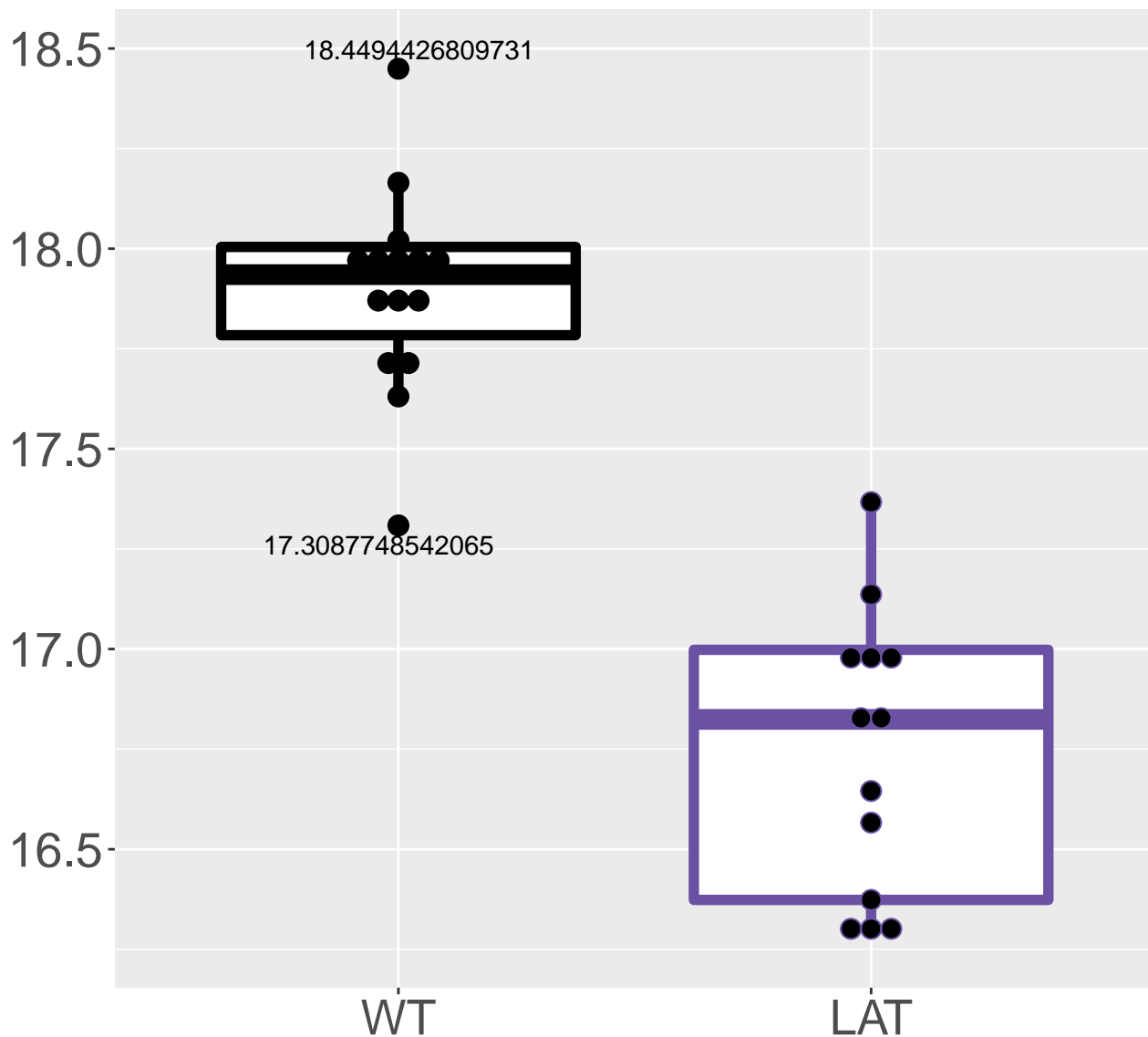


**M413.2115T274.46**  
**FDR = 5.9e-08, FC = -3**



**M754.8724T377.52\_2**

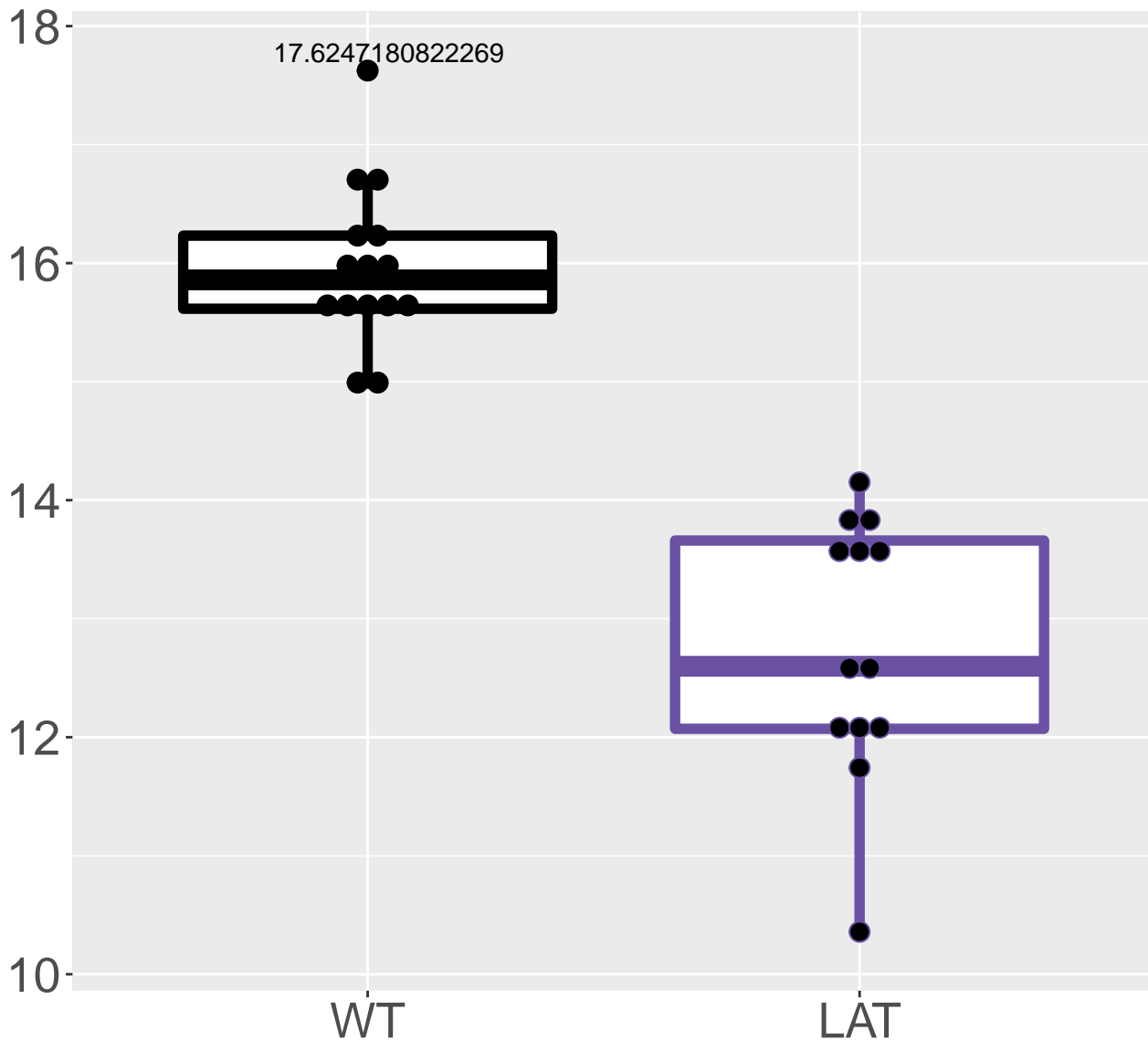
**FDR =  $5.9e-08$ , FC =  $-1.2$**





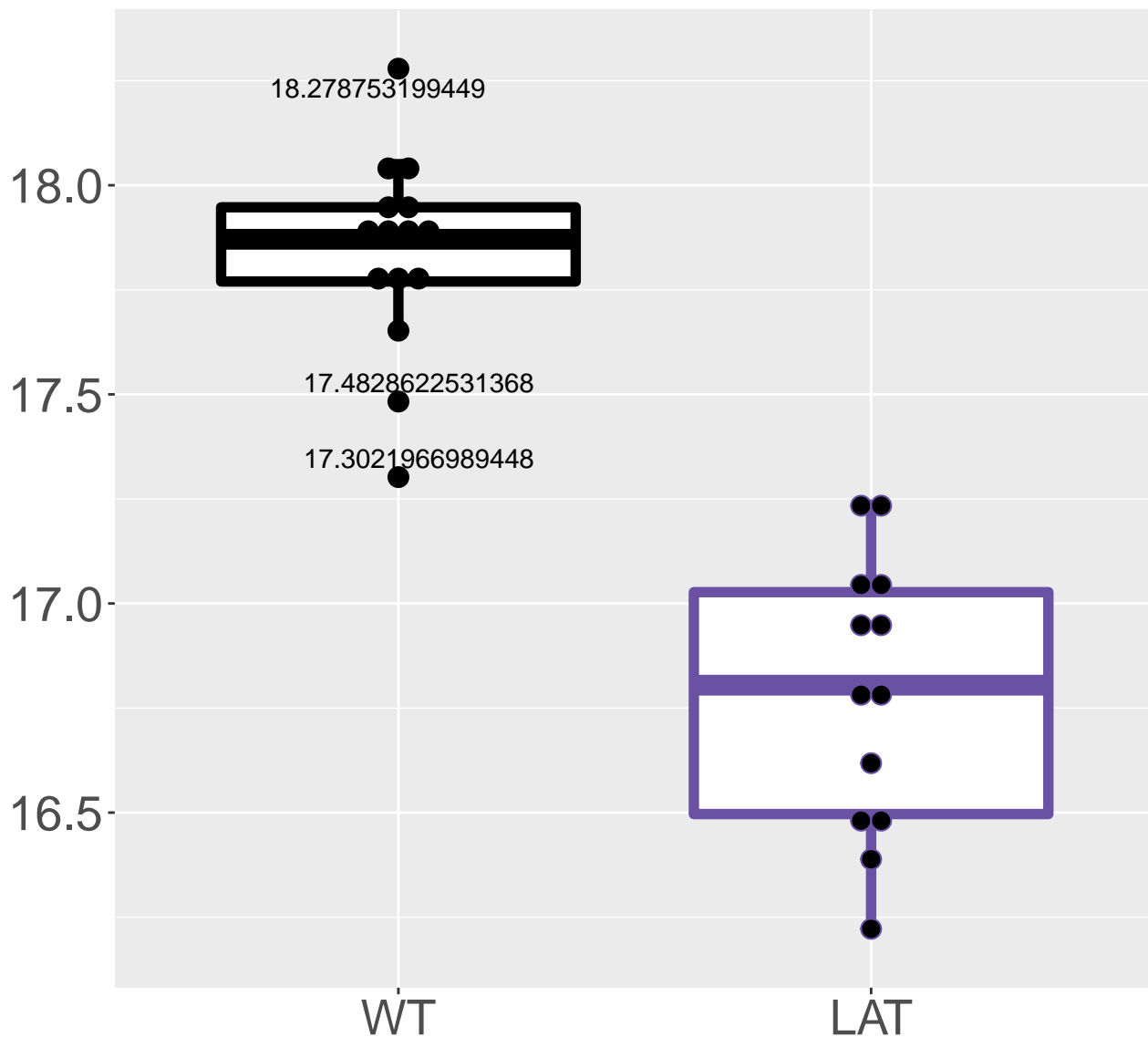
**M408.8852T243.9\_1**

**FDR = 6.1e-08, FC = -3.2**



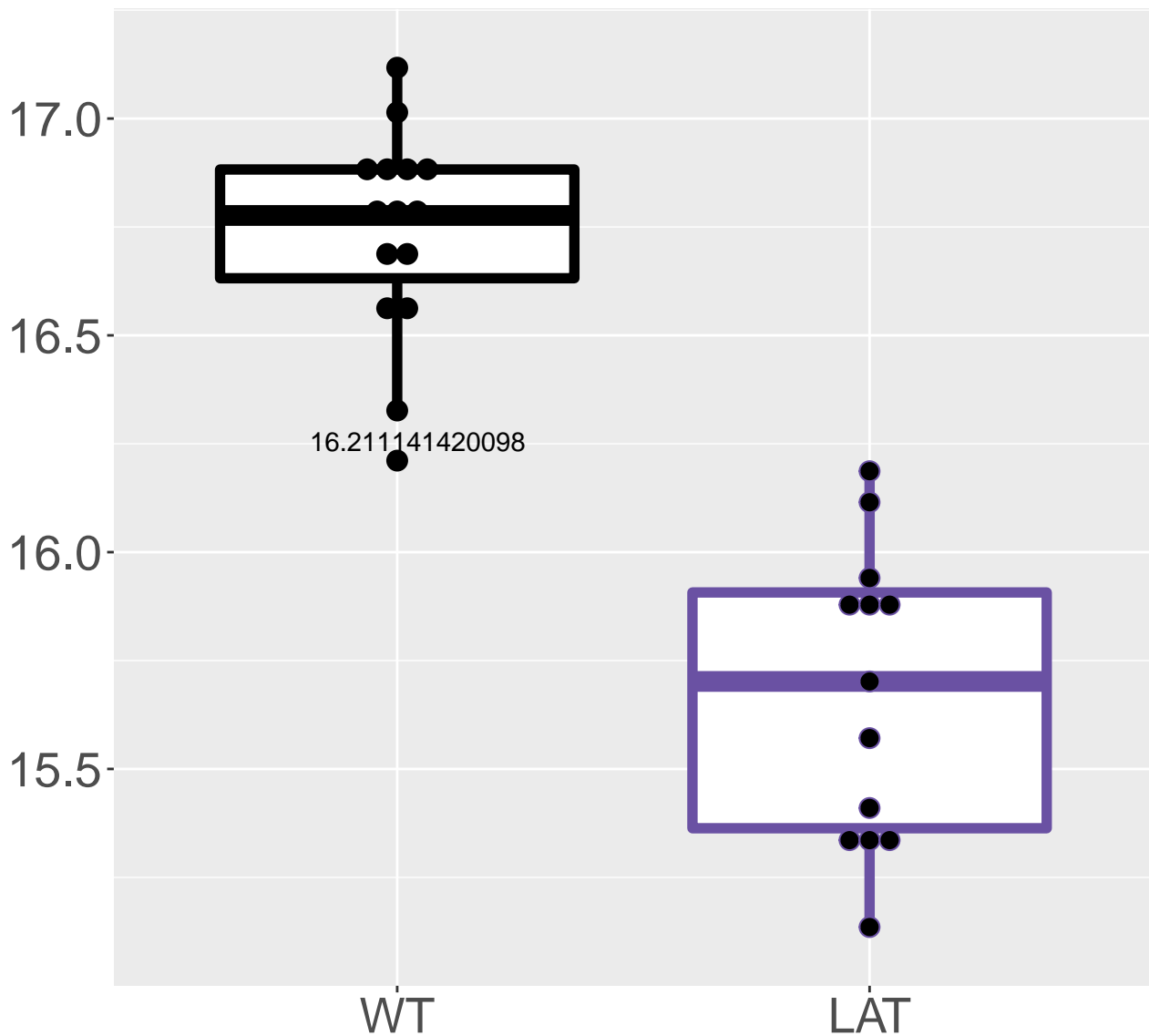
**M830.3573T377.44**

**FDR =  $6.8e-08$ , FC =  $-1.1$**

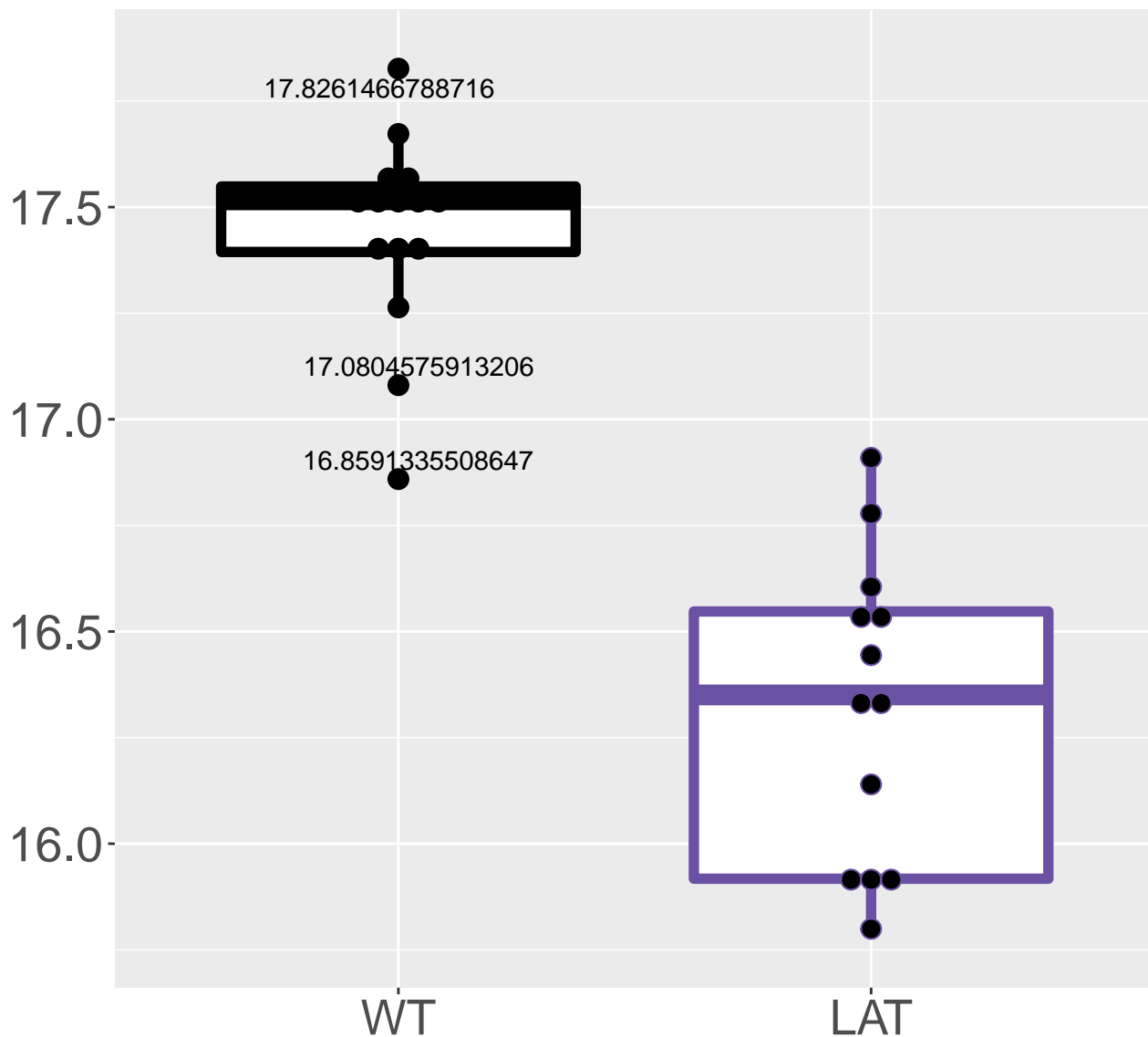


**M922.3944T377.53\_3**

**FDR =  $7.4e-08$ , FC =  $-1.1$**

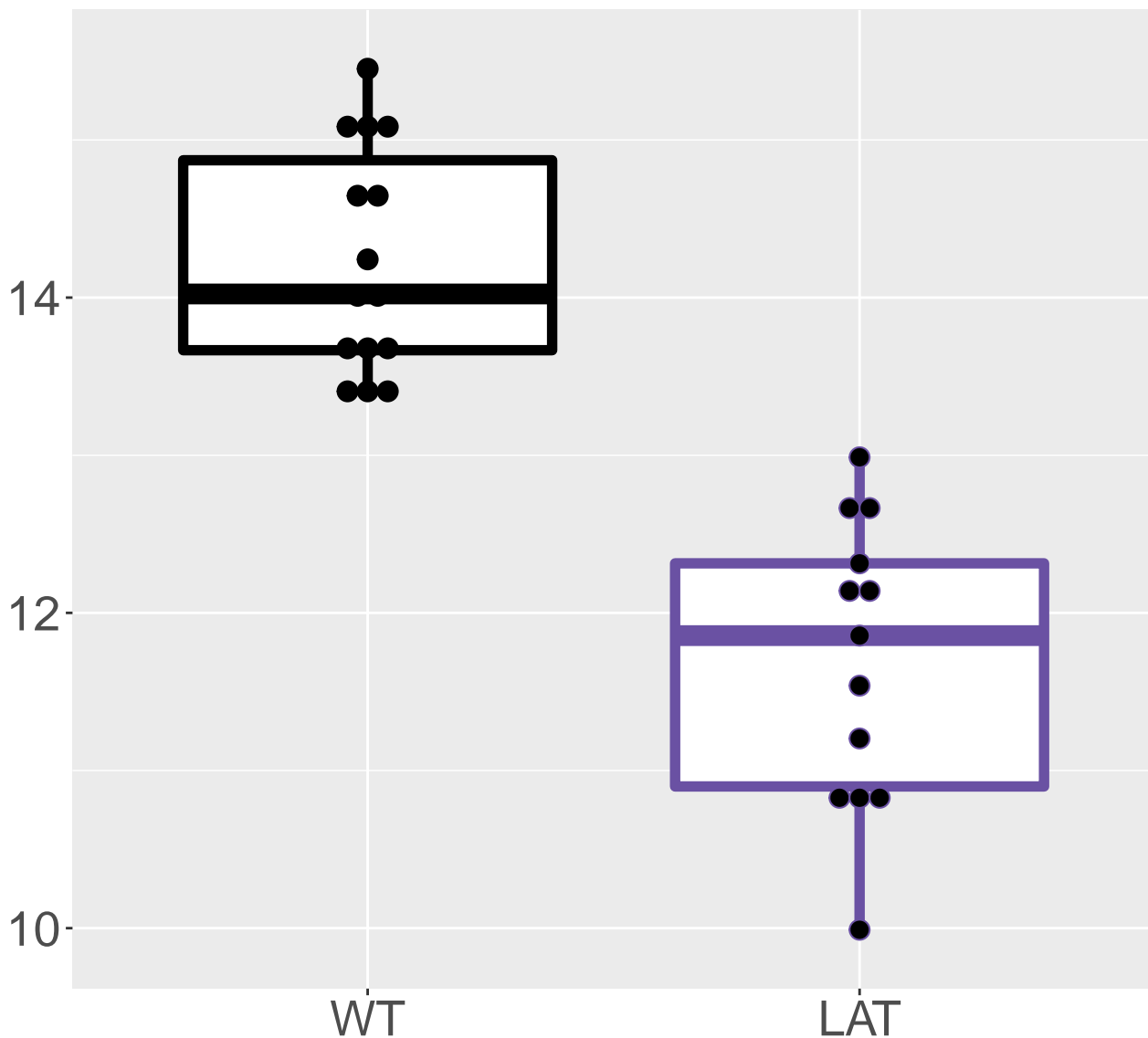


**M830.558T377.53\_1**  
**FDR = 8e-08, FC = -1.1**



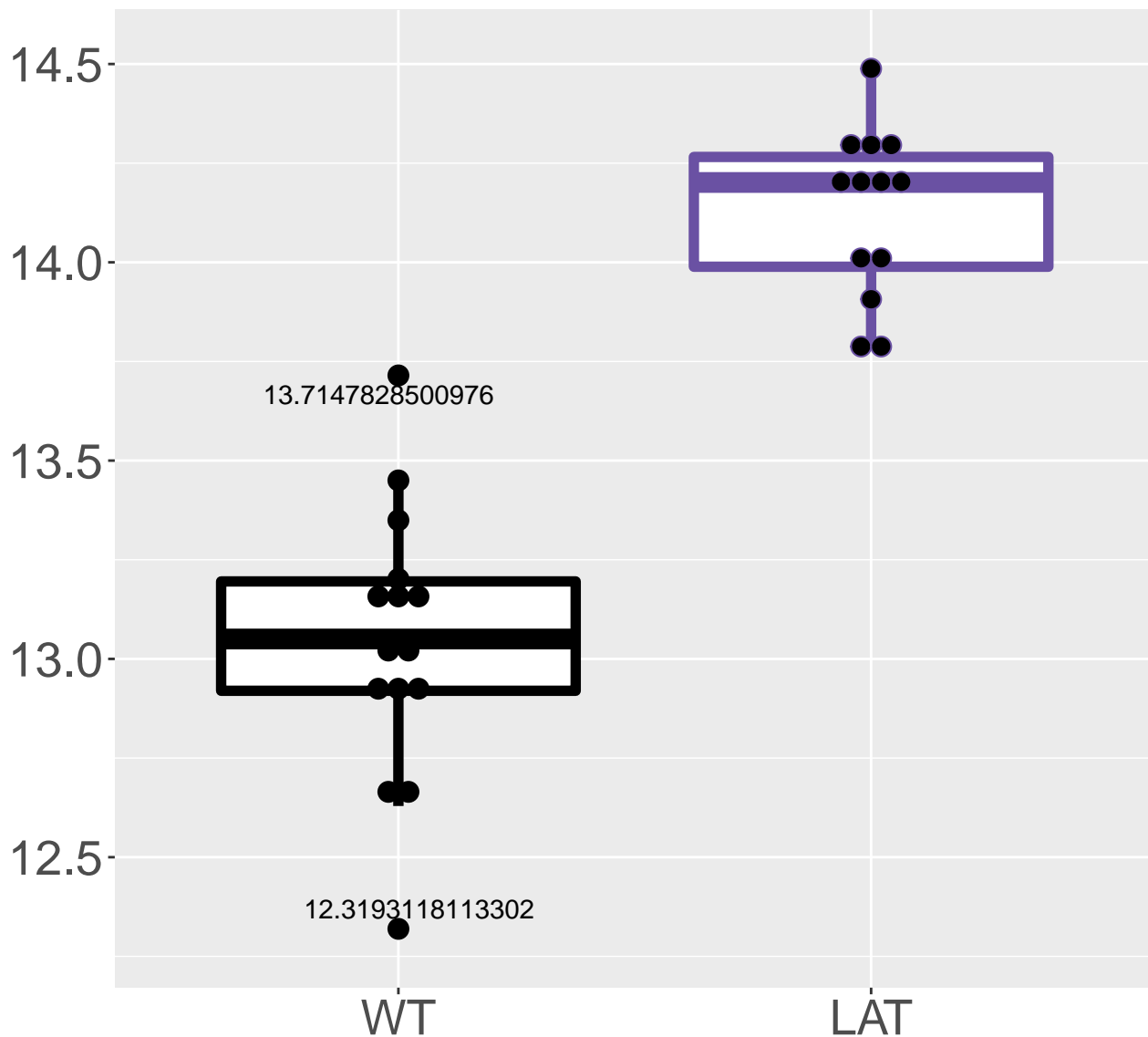
**M240.159T134.12\_1**

**FDR =  $8.1\text{e-}08$ , FC = -2.5**

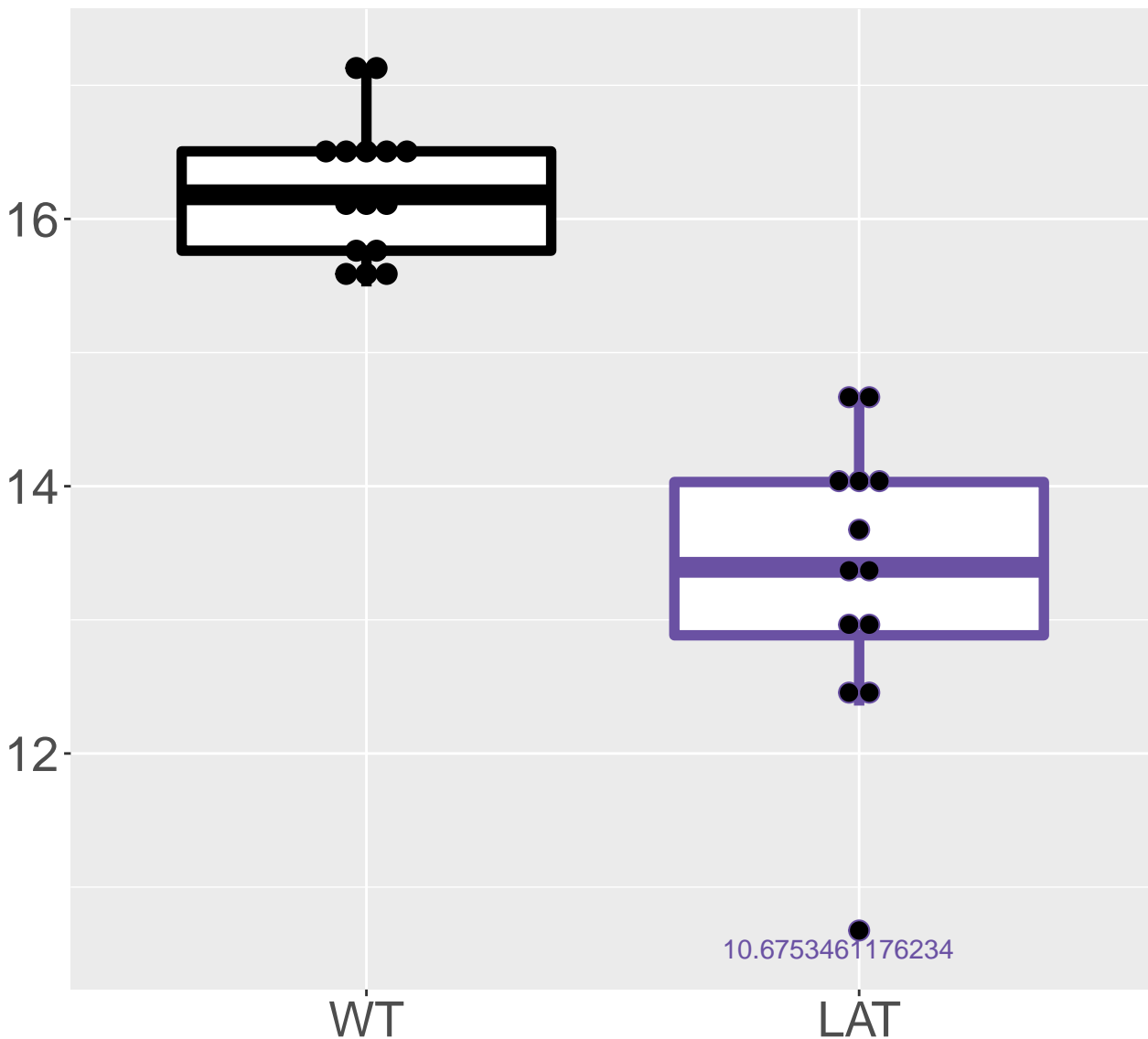


**M605.8154T305.69**

**FDR =  $8.1e-08$ , FC = 1.1**

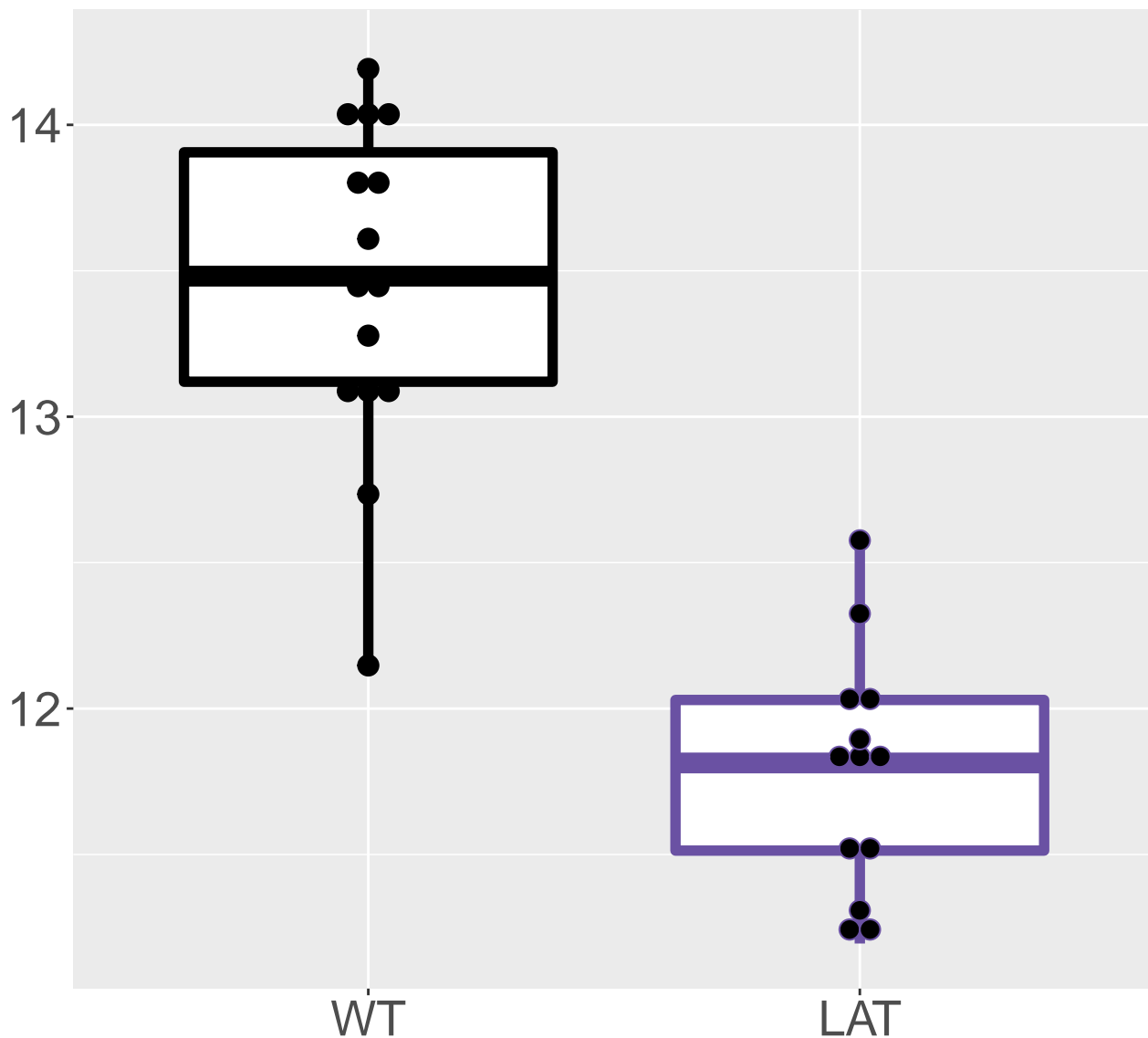


**M343.5407T310.61\_1**  
**FDR =  $9.8e-08$ , FC = -2.9**



**M258.171T213.84**

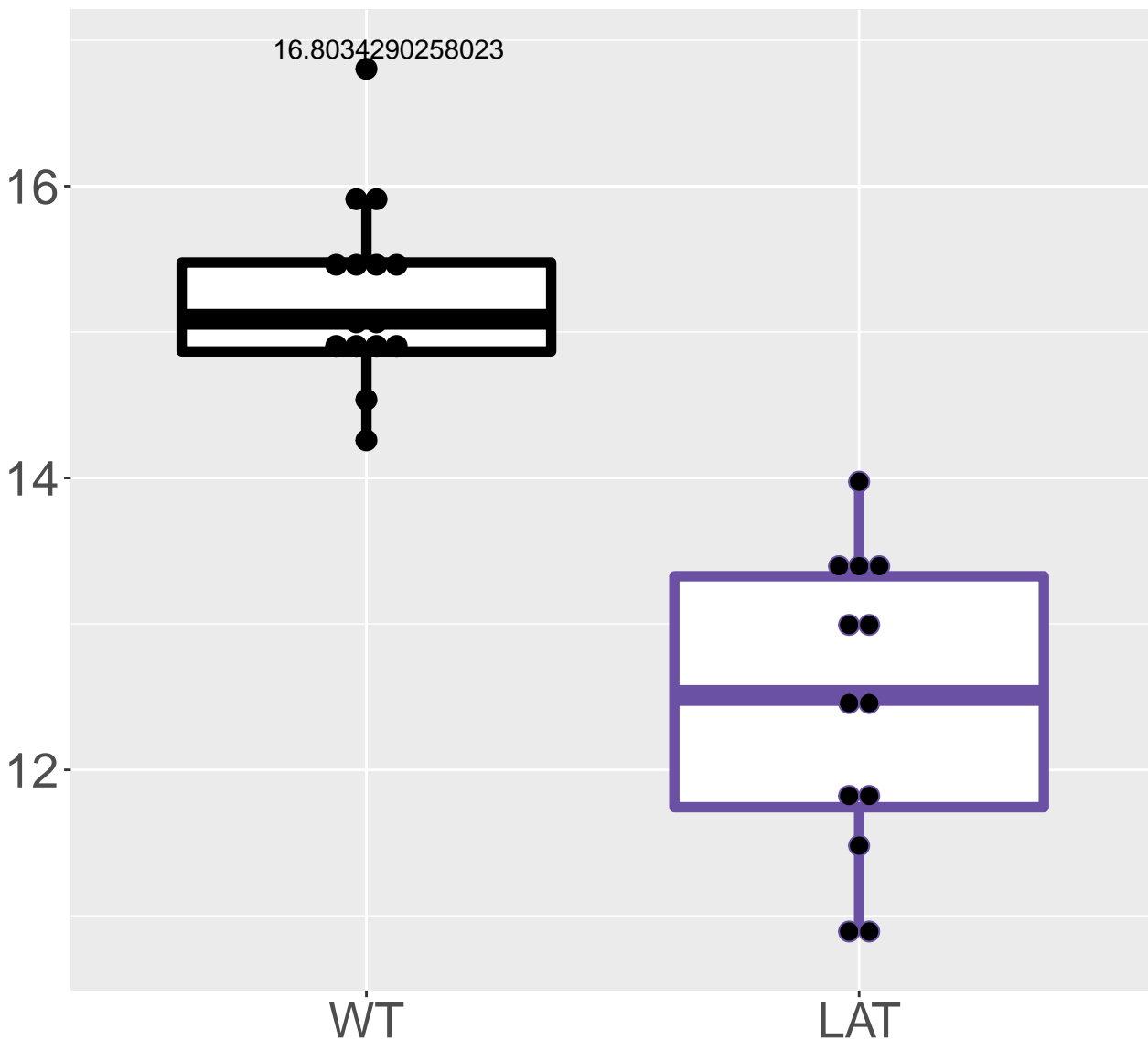
**FDR = 1.7e-07, FC = -1.7**





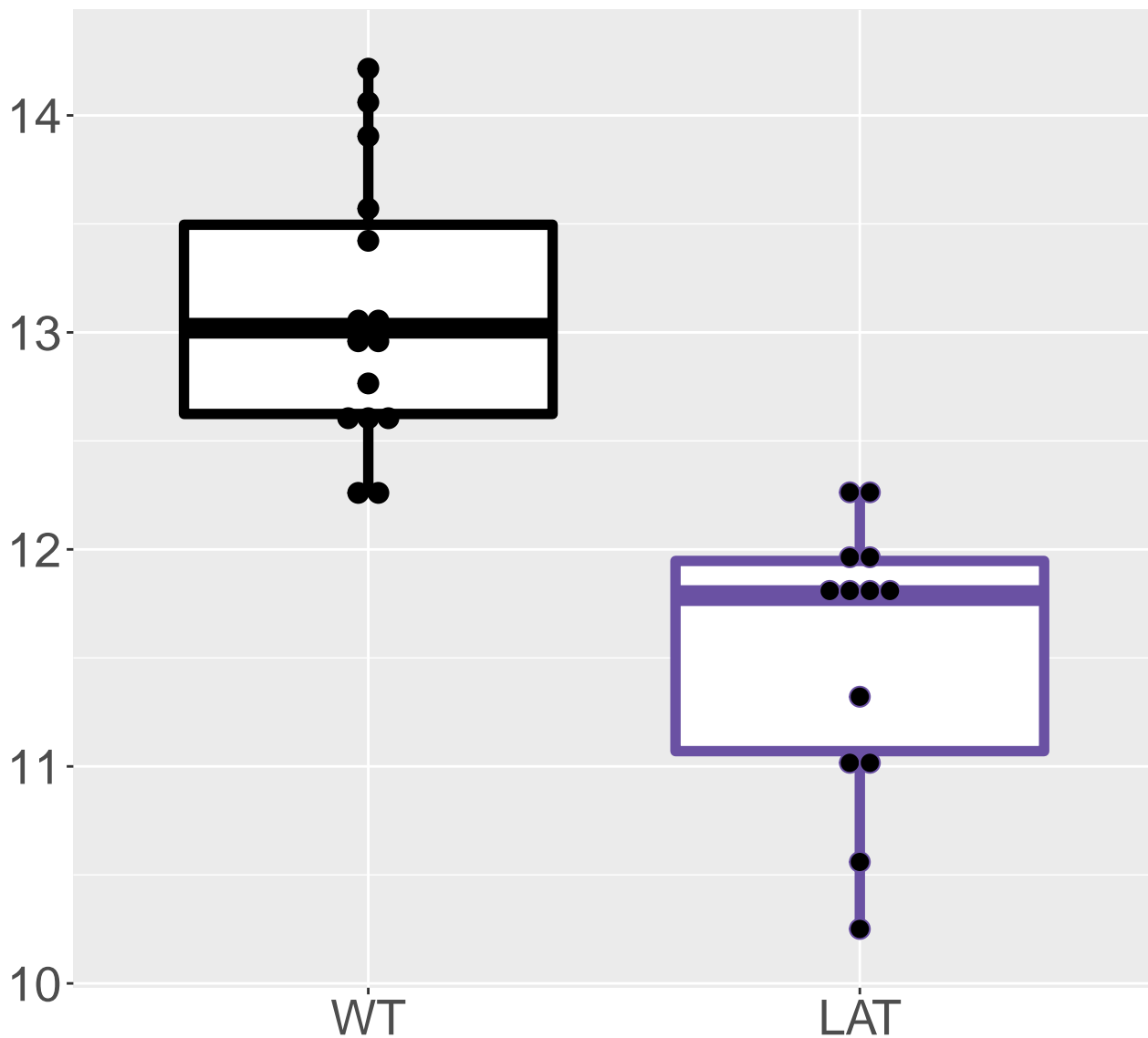
**M409.2195T243.92\_2**

**FDR =  $1.8e-07$ , FC =  $-2.8$**

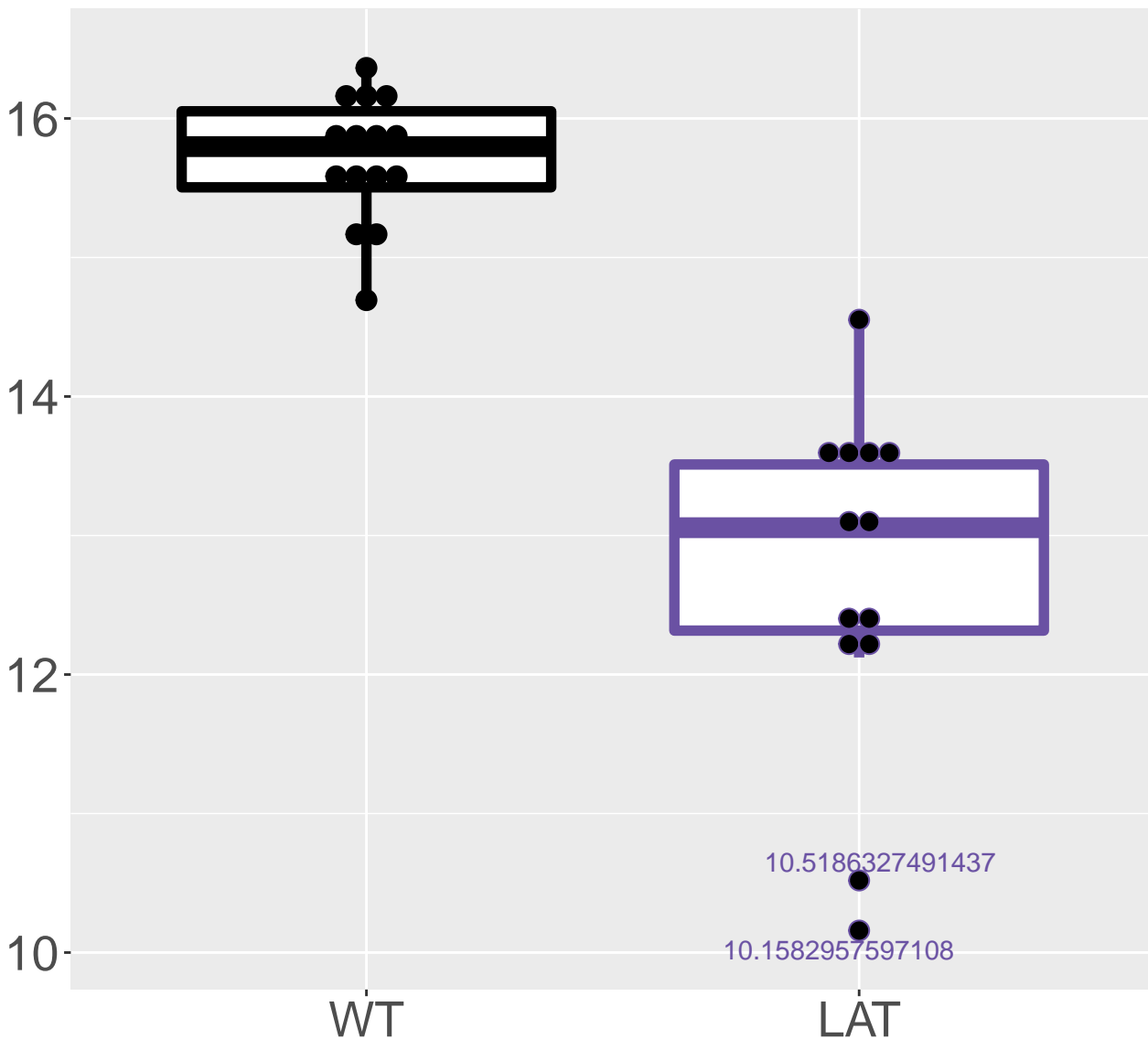


**M325.947T265.3**

**FDR = 1.8e-07, FC = -1.6, sex\*\***

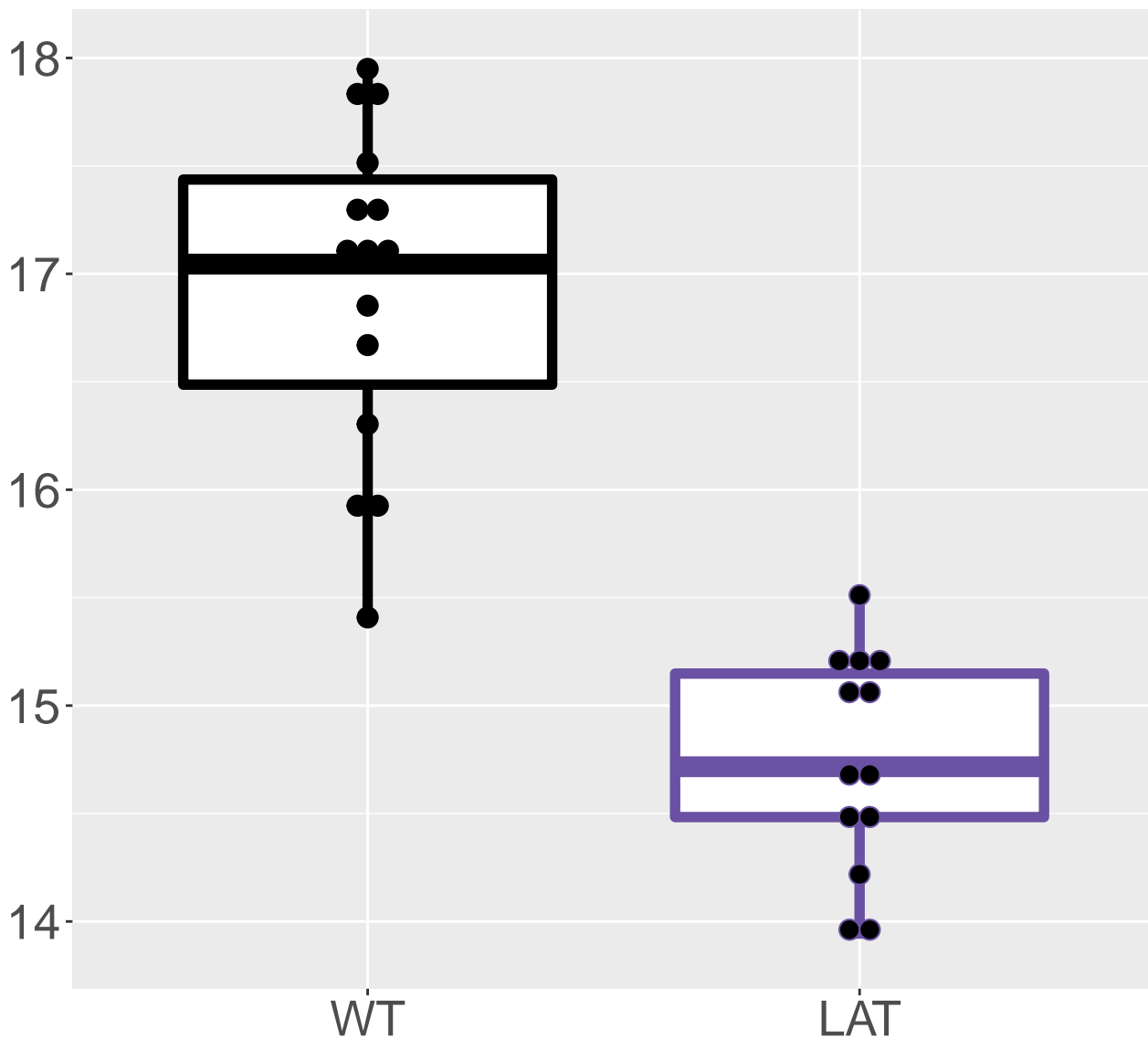


**M258.1646T242.59**  
**FDR = 1.9e-07, FC = -3**



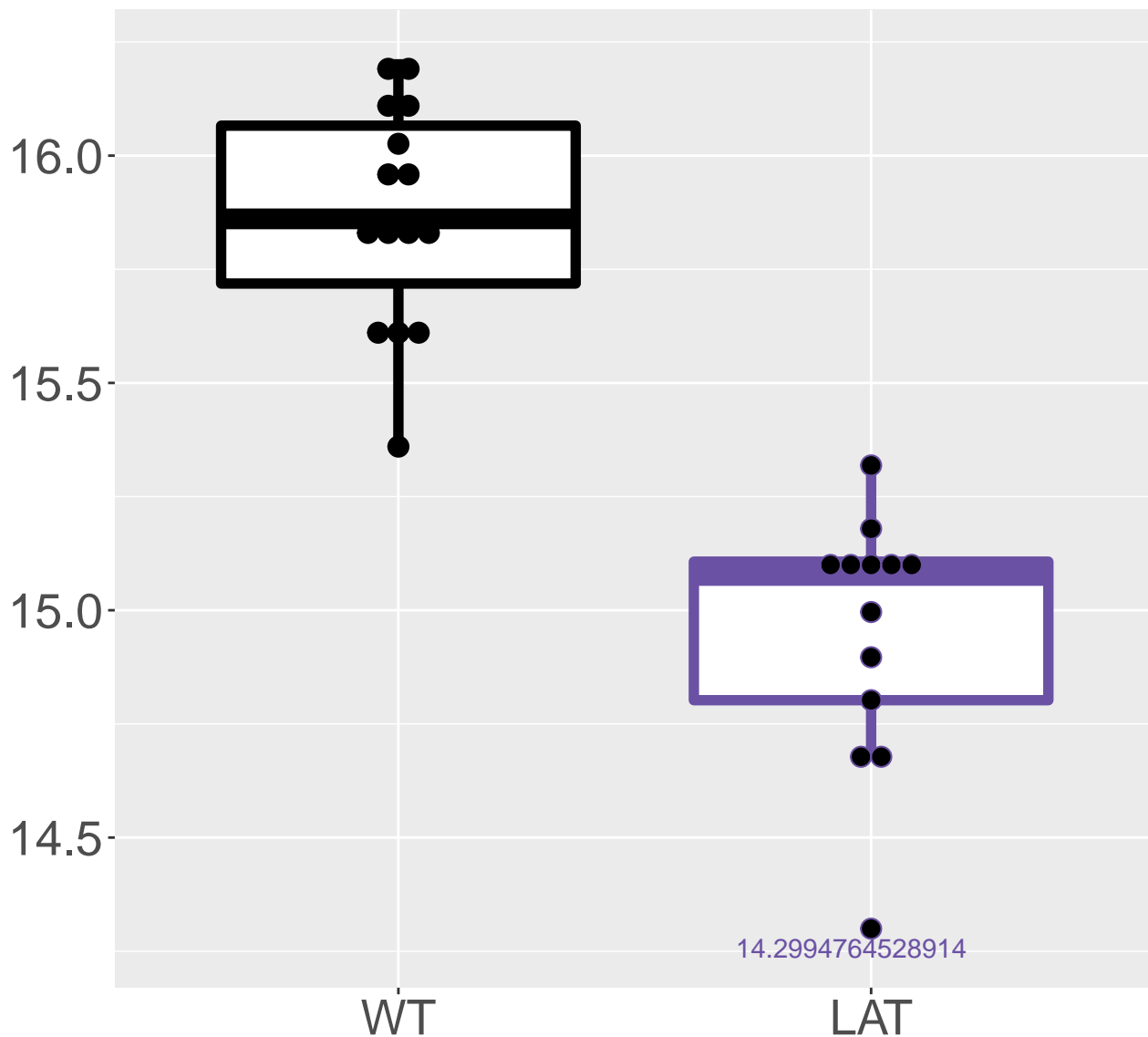
**M207.6403T128.17\_1**

**FDR =  $2.4e-07$ , FC = -2.2**



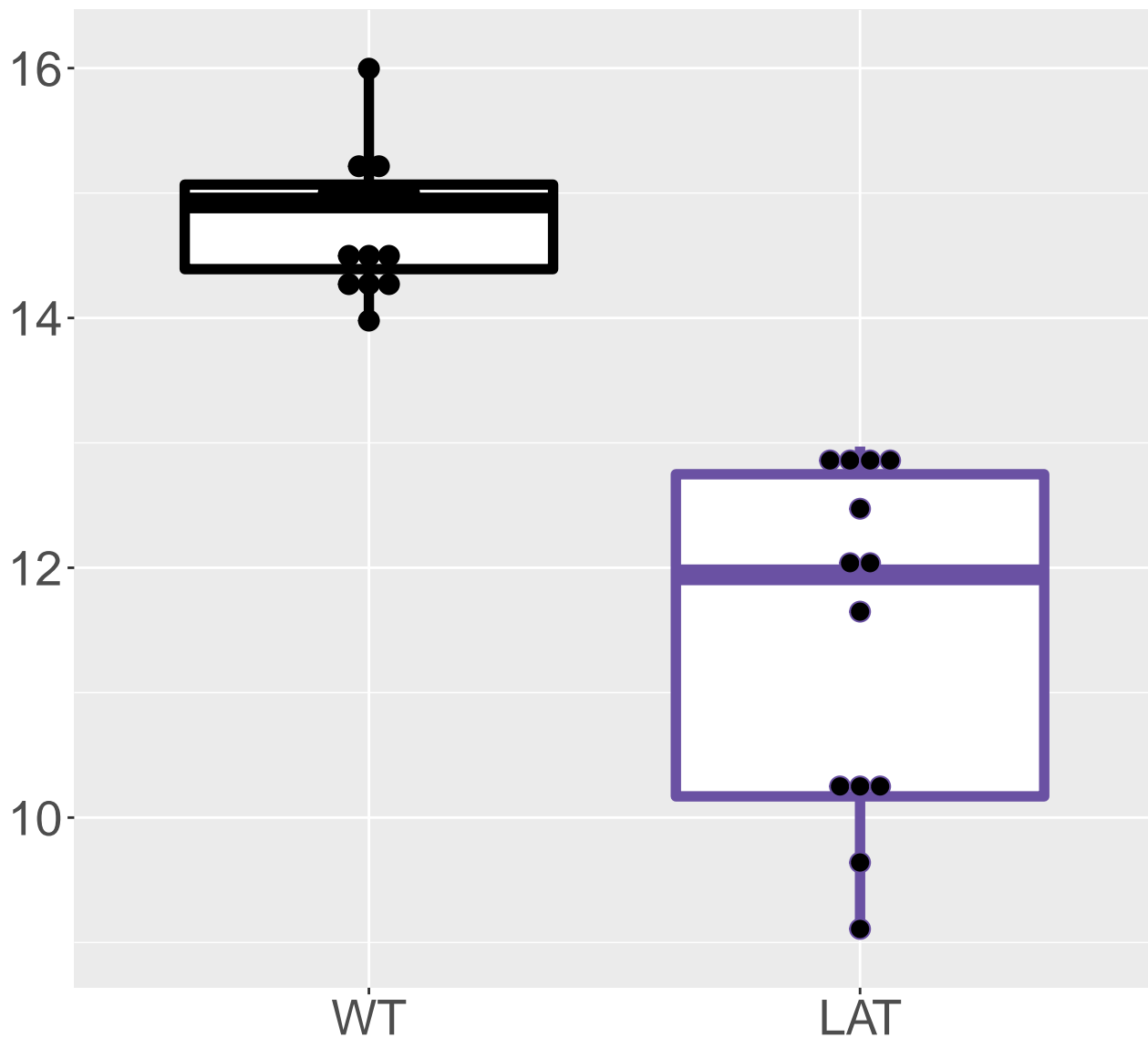
**M755.4186T377.41\_2**

**FDR =  $2.5e-07$ , FC =  $-0.92$**

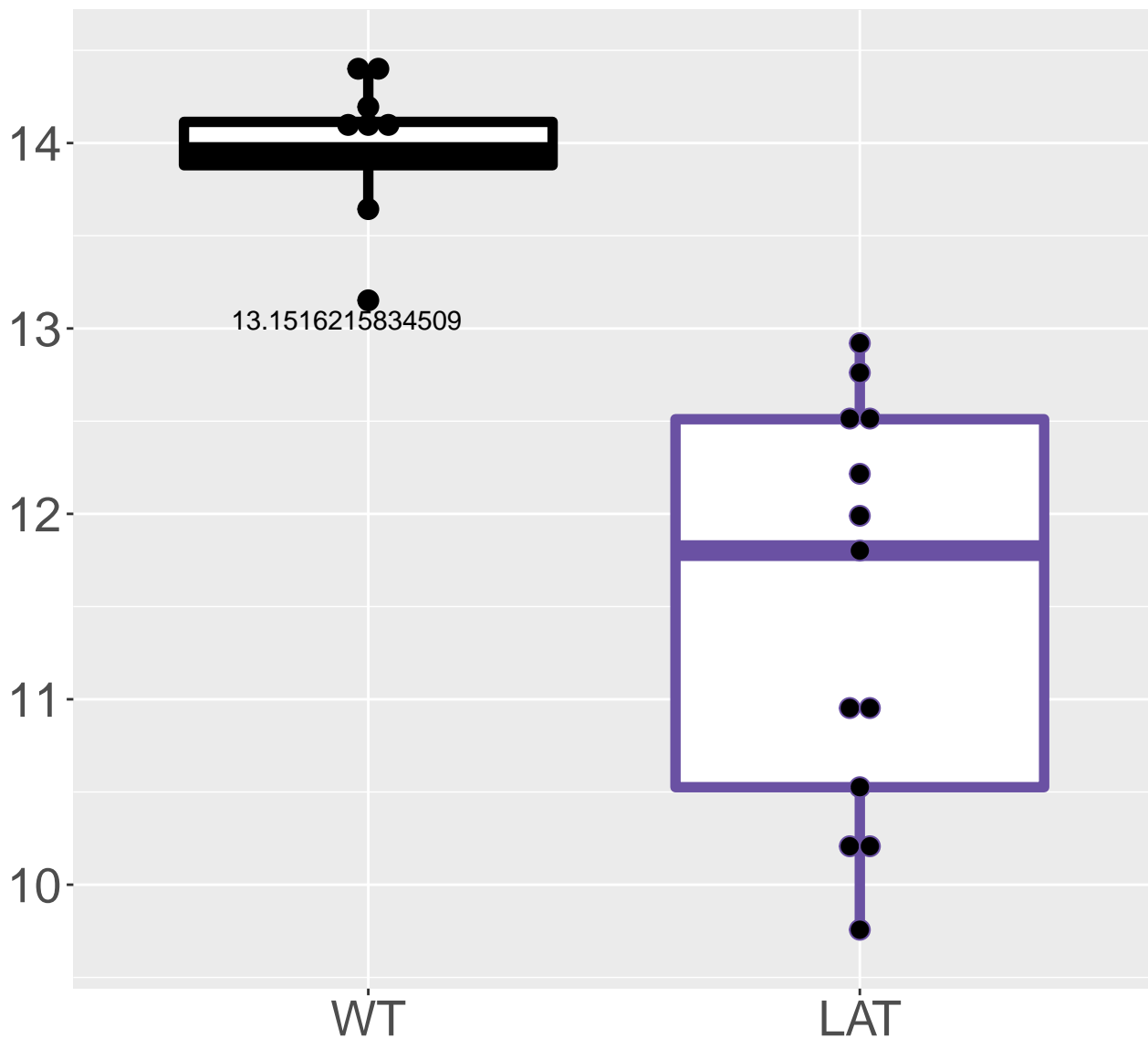


**M327.8441T259.47**

**FDR =  $3.2e-07$ , FC =  $-3.3$**

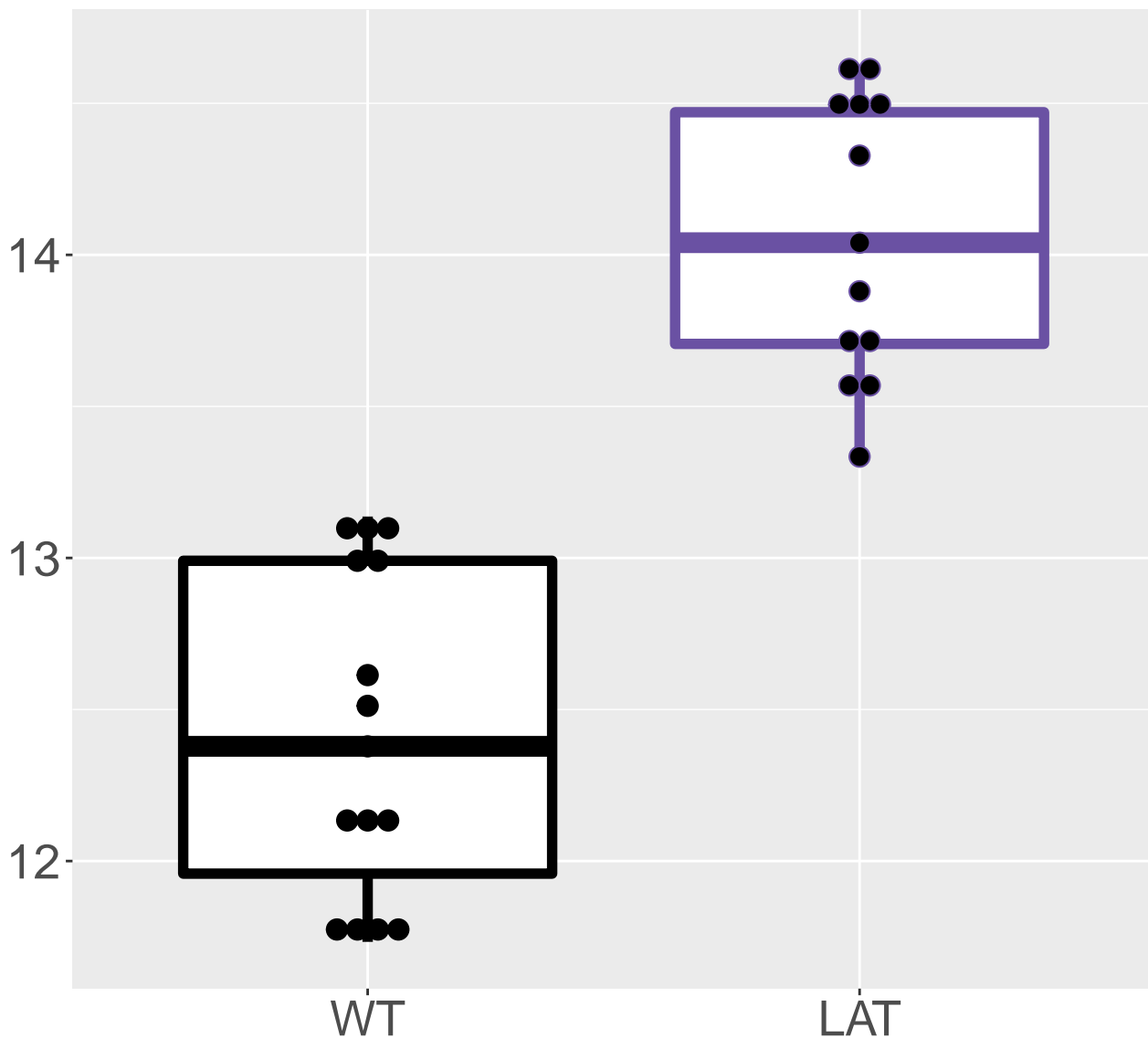


**FDR = 3.2e-07, FC = -2.5**



**M252.6405T89.38**

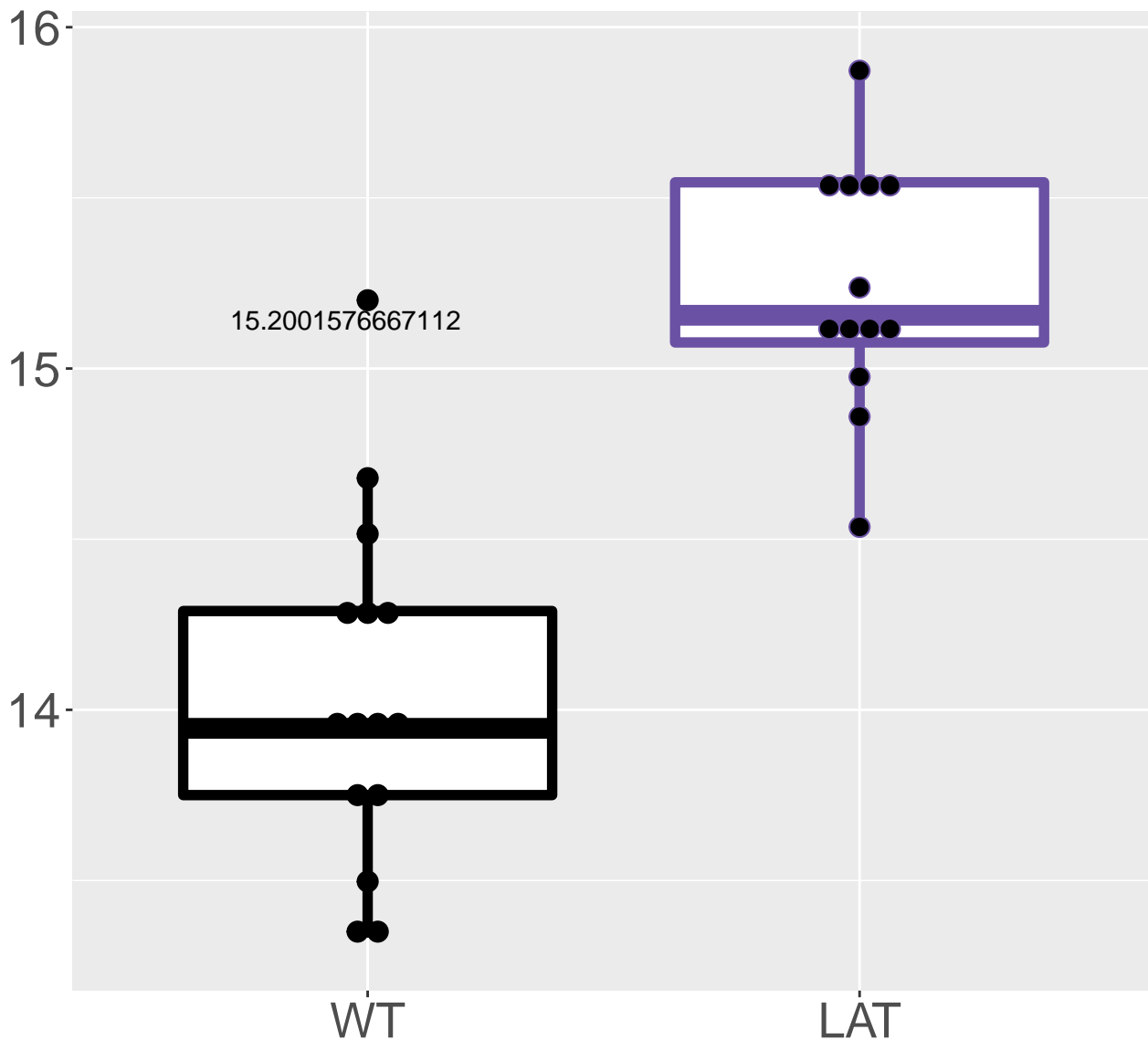
**FDR =  $4.3e-07$ , FC = 1.6**





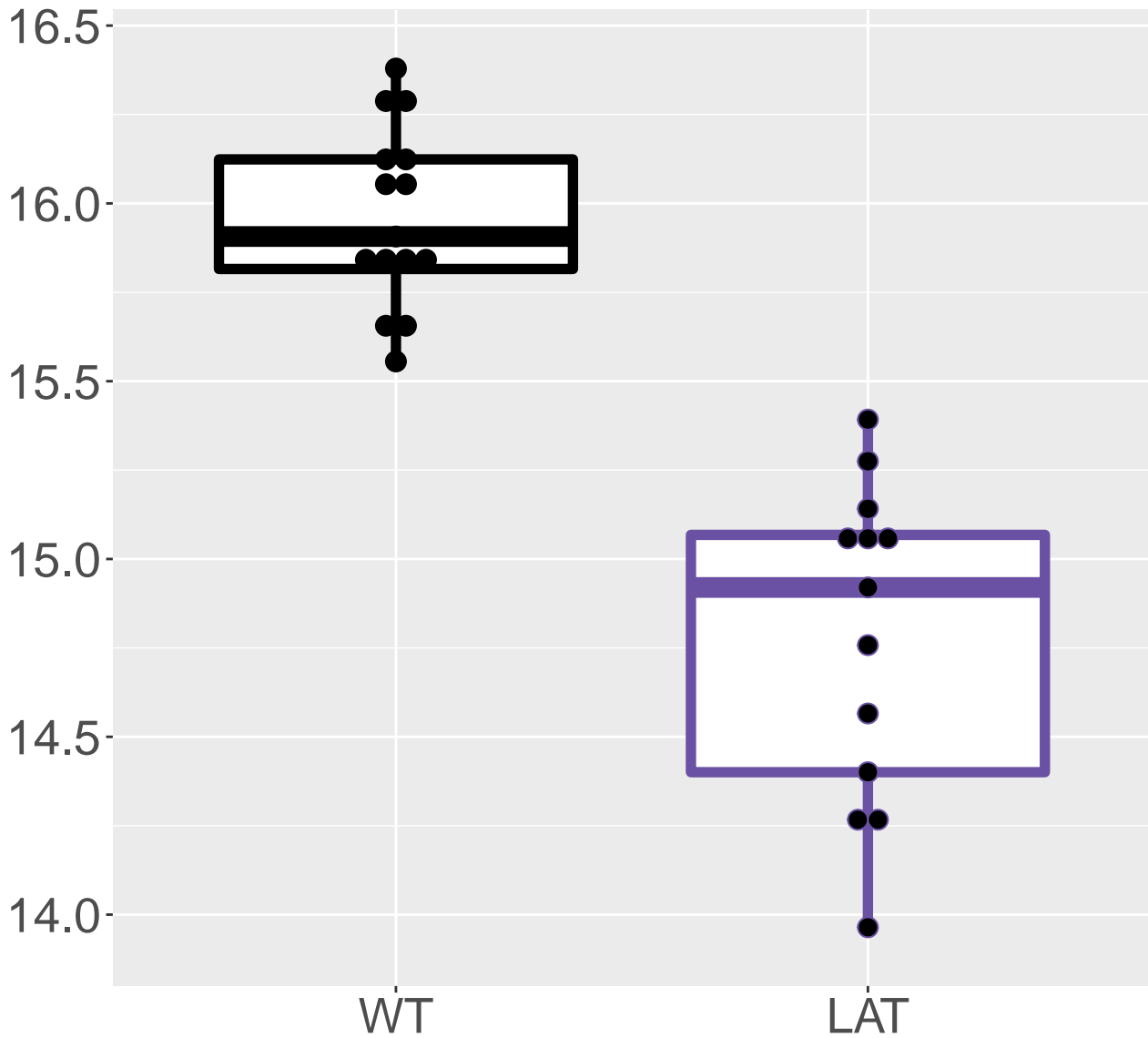
**M572.7706T238.69\_2**

**FDR =  $4.5e-07$ , FC = 1.2, sex\***



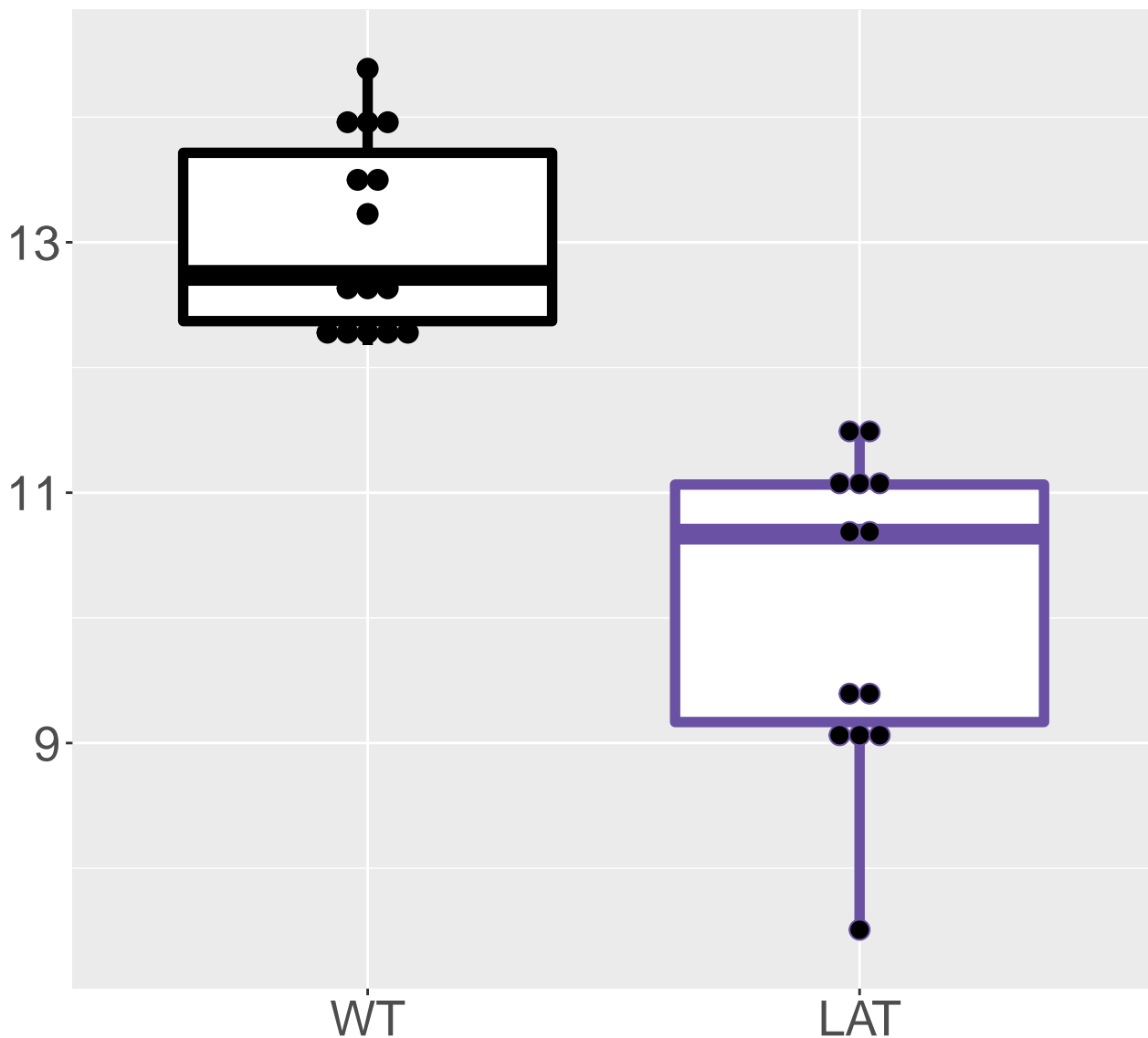
**M754.6901T377.48\_1**

**FDR = 5.6e-07, FC = -1.2**



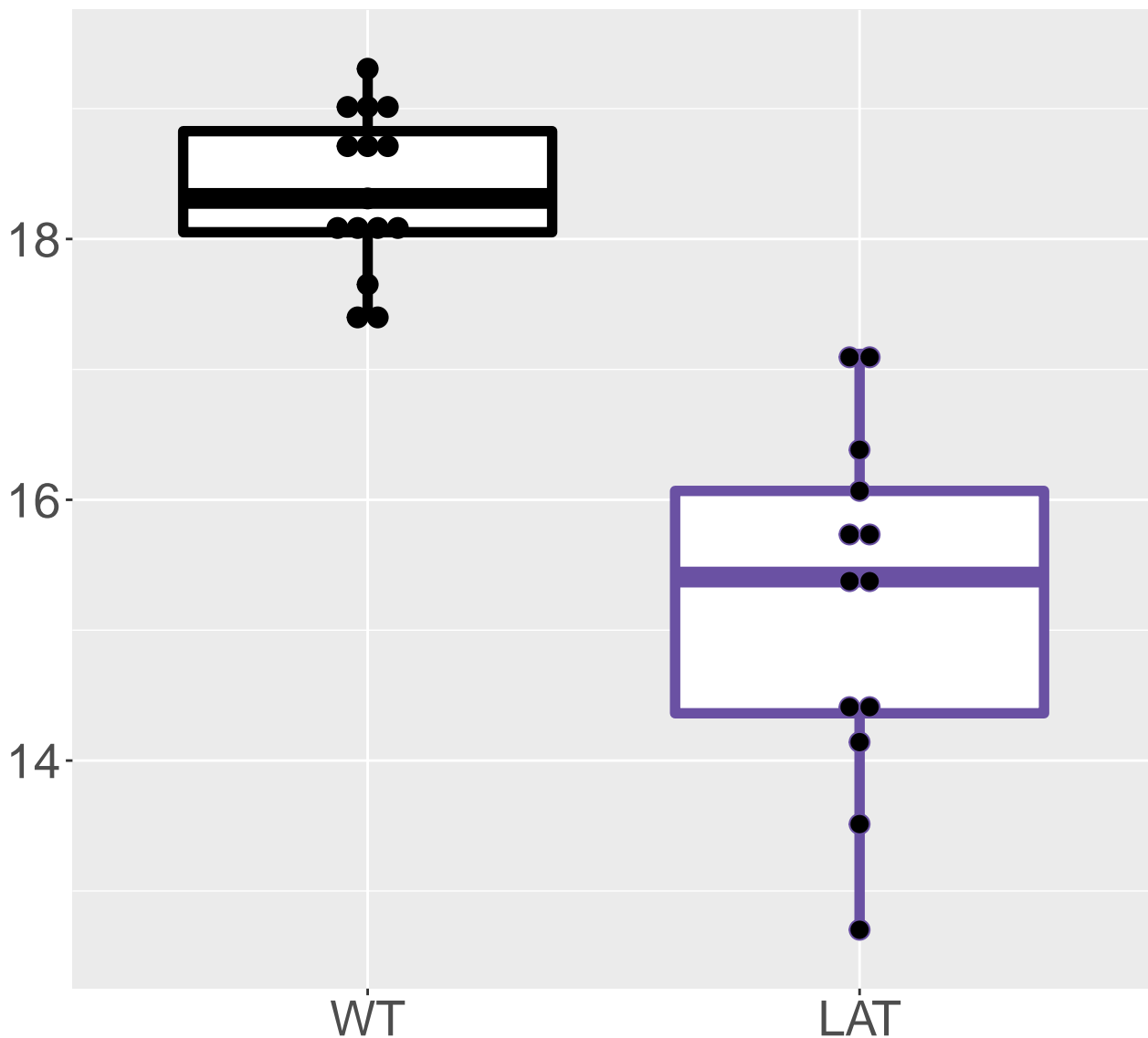
**M240.41T134.15\_2**

**FDR =  $5.6e-07$ , FC = -3**

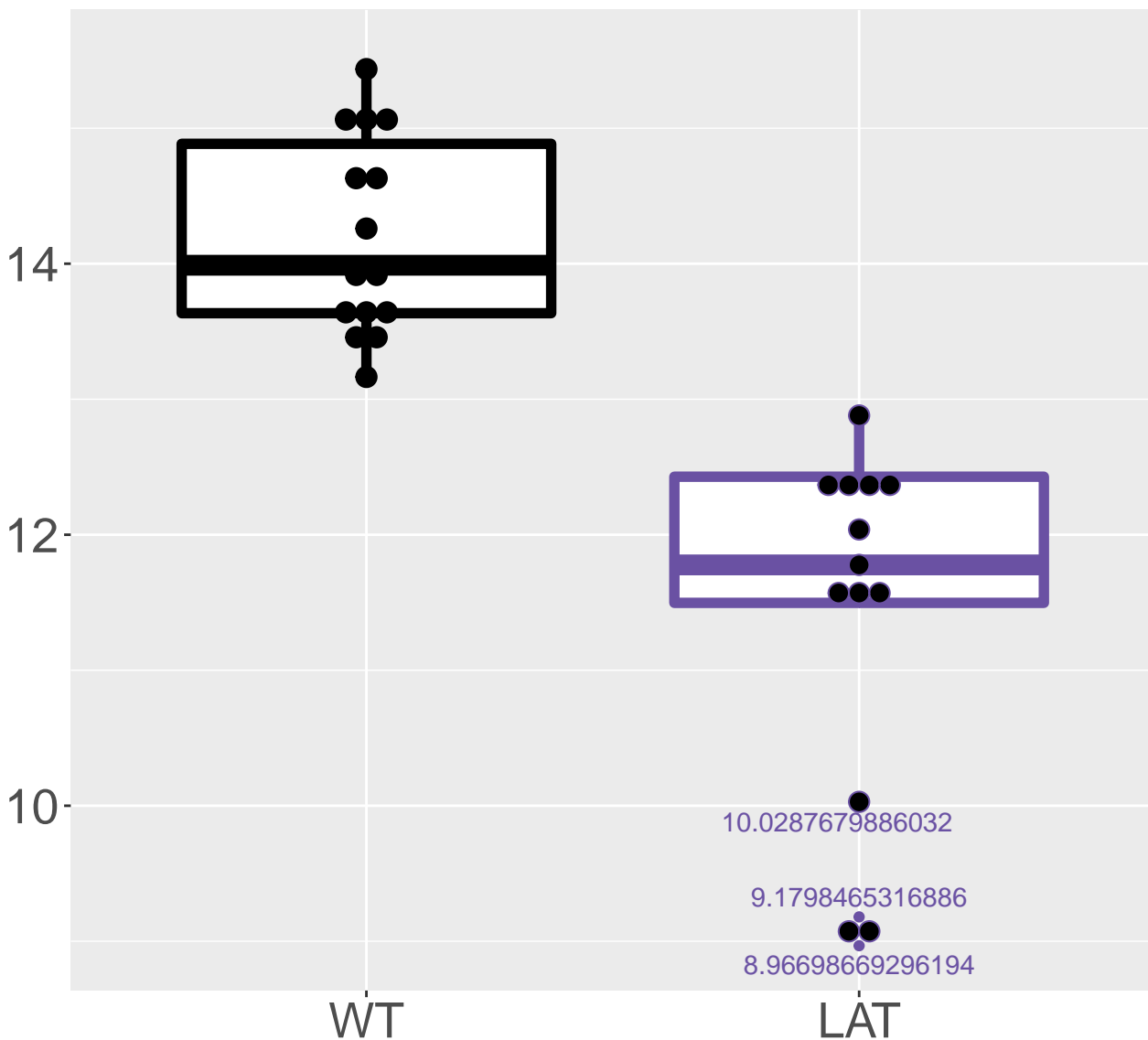


**M453.2521T327.55**

**FDR =  $6.8e-07$ , FC = -3.1**

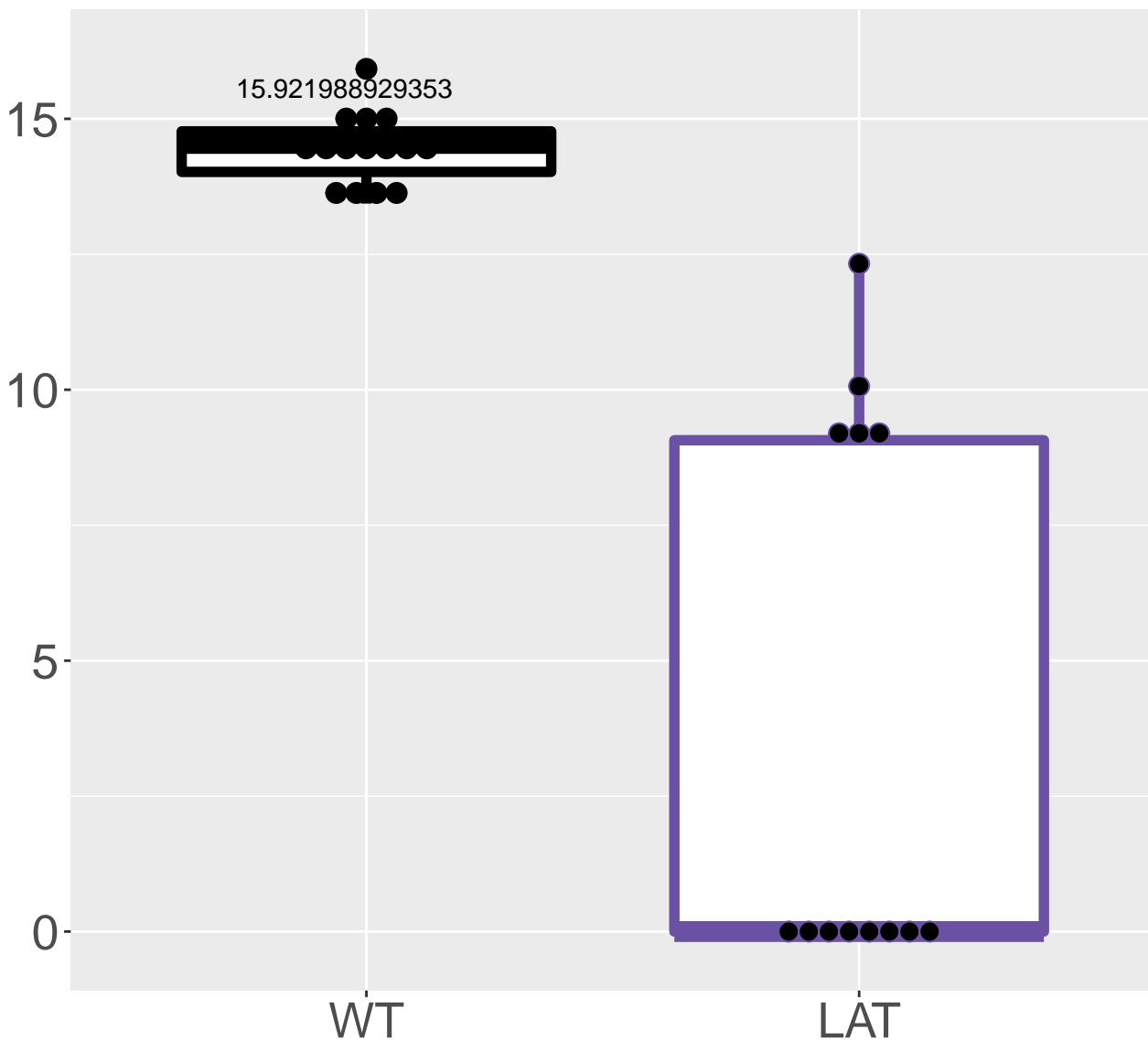


**FDR = 7e-07, FC = -2.7**



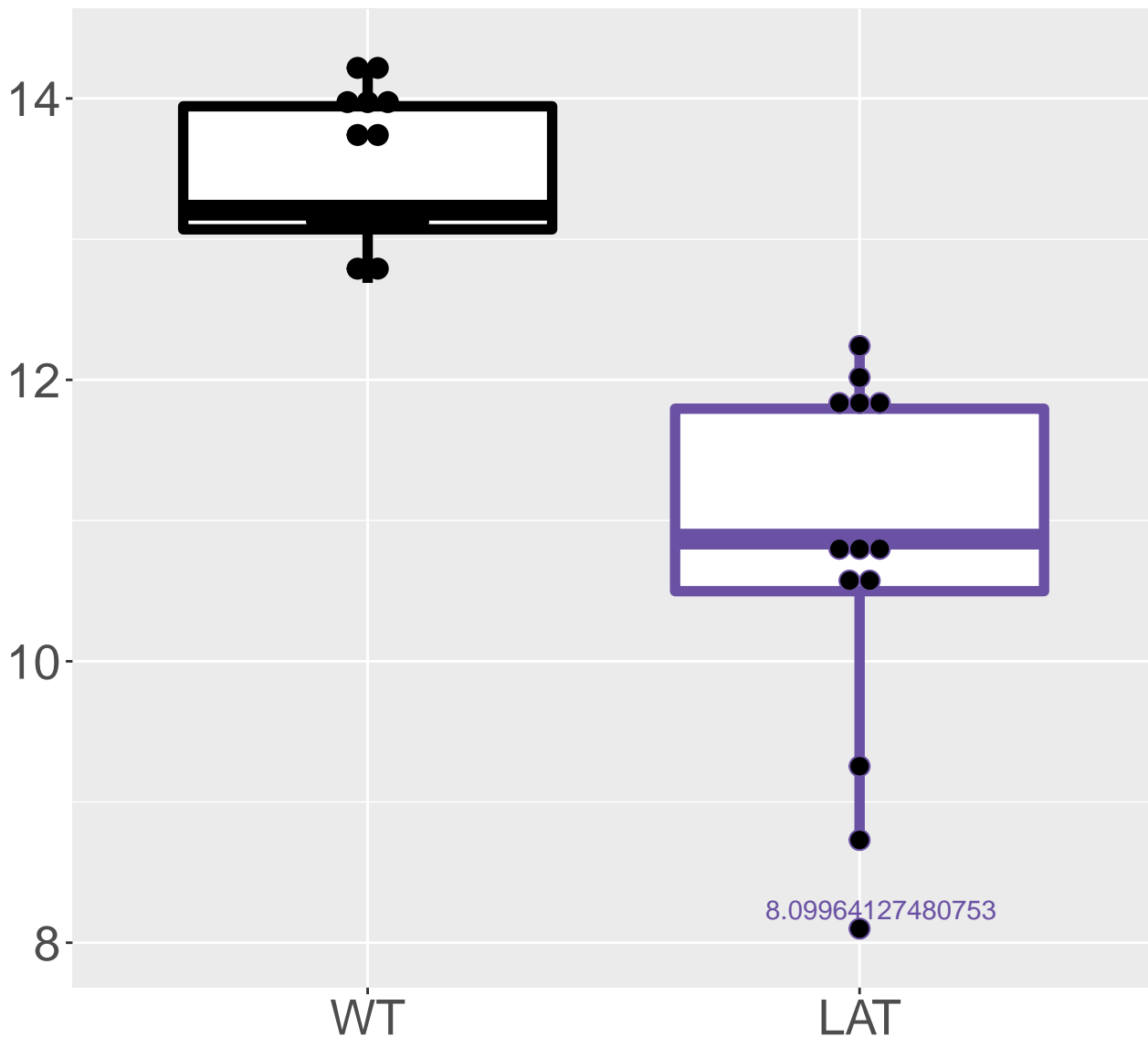
**M351.6679T87.1**

**FDR =  $8.1\text{e-}07$ , FC = -11**



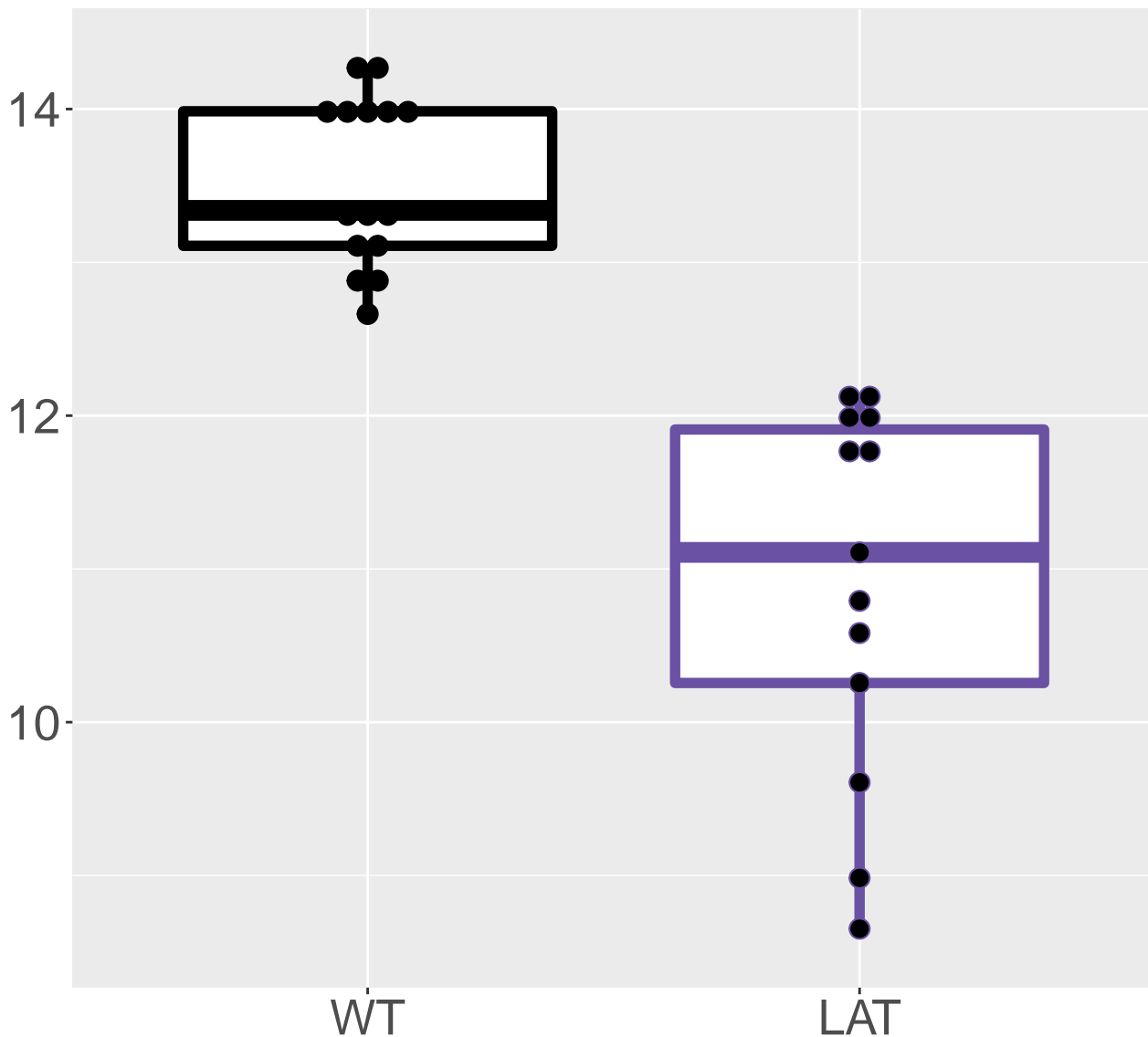
**M343.5556T219.98\_1**

**FDR =  $8.1\text{e-}07$ , FC = -2.7**



**M257.9185T220.48**

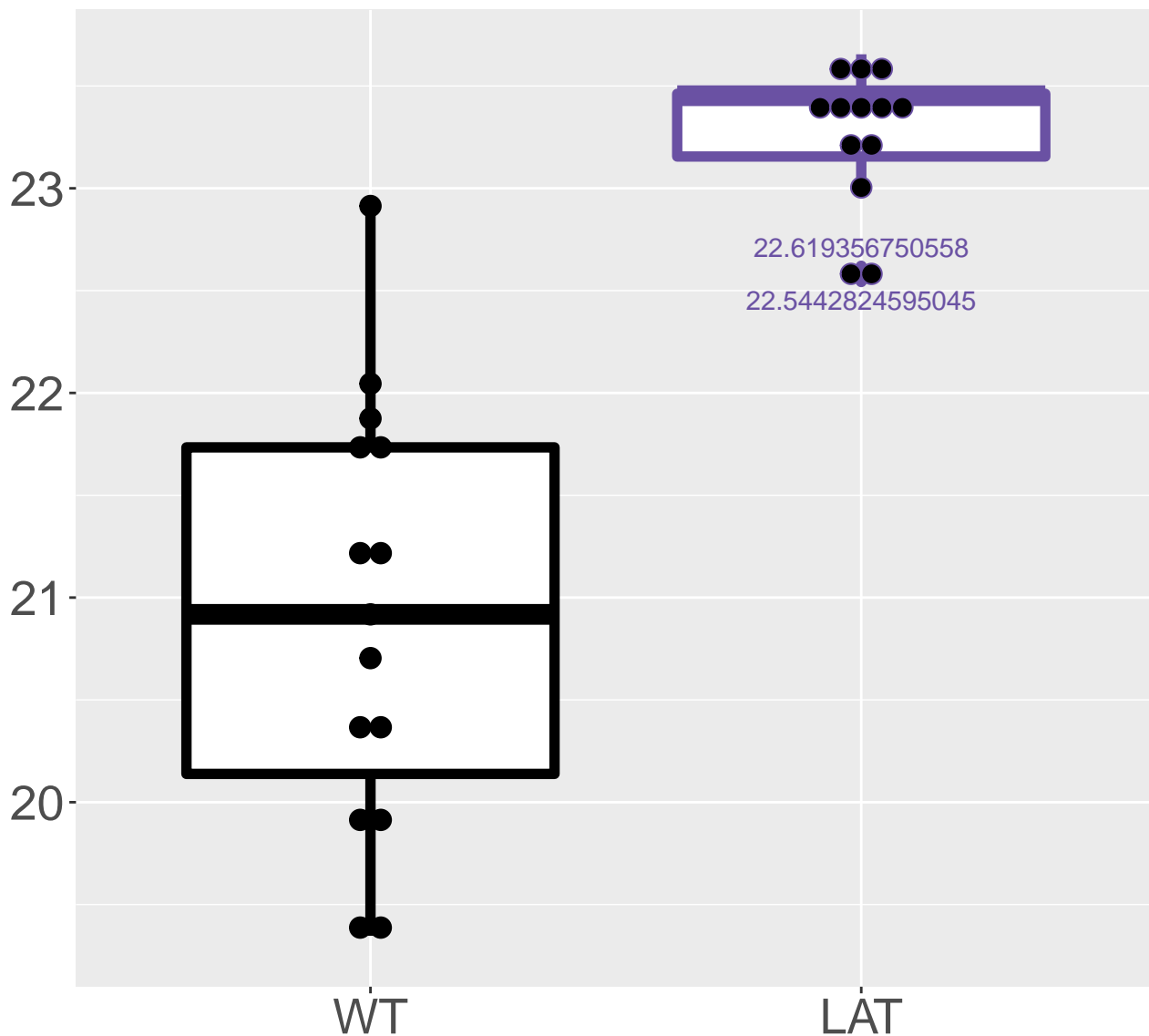
**FDR =  $8.1\text{e-}07$ , FC = -2.6**





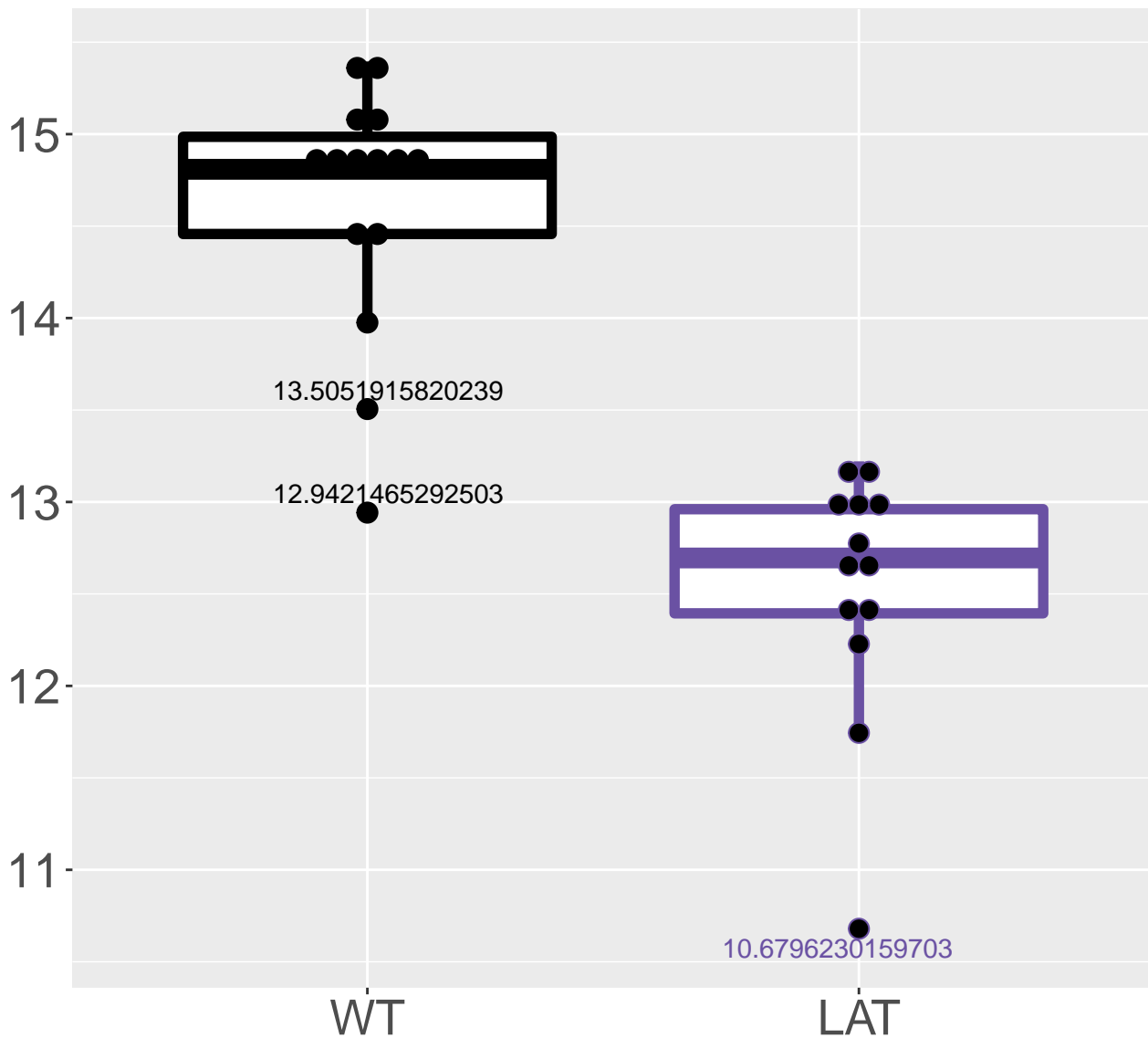
**M250.0947T100.23**

**FDR =  $8.2e-07$ , FC = 2.4**



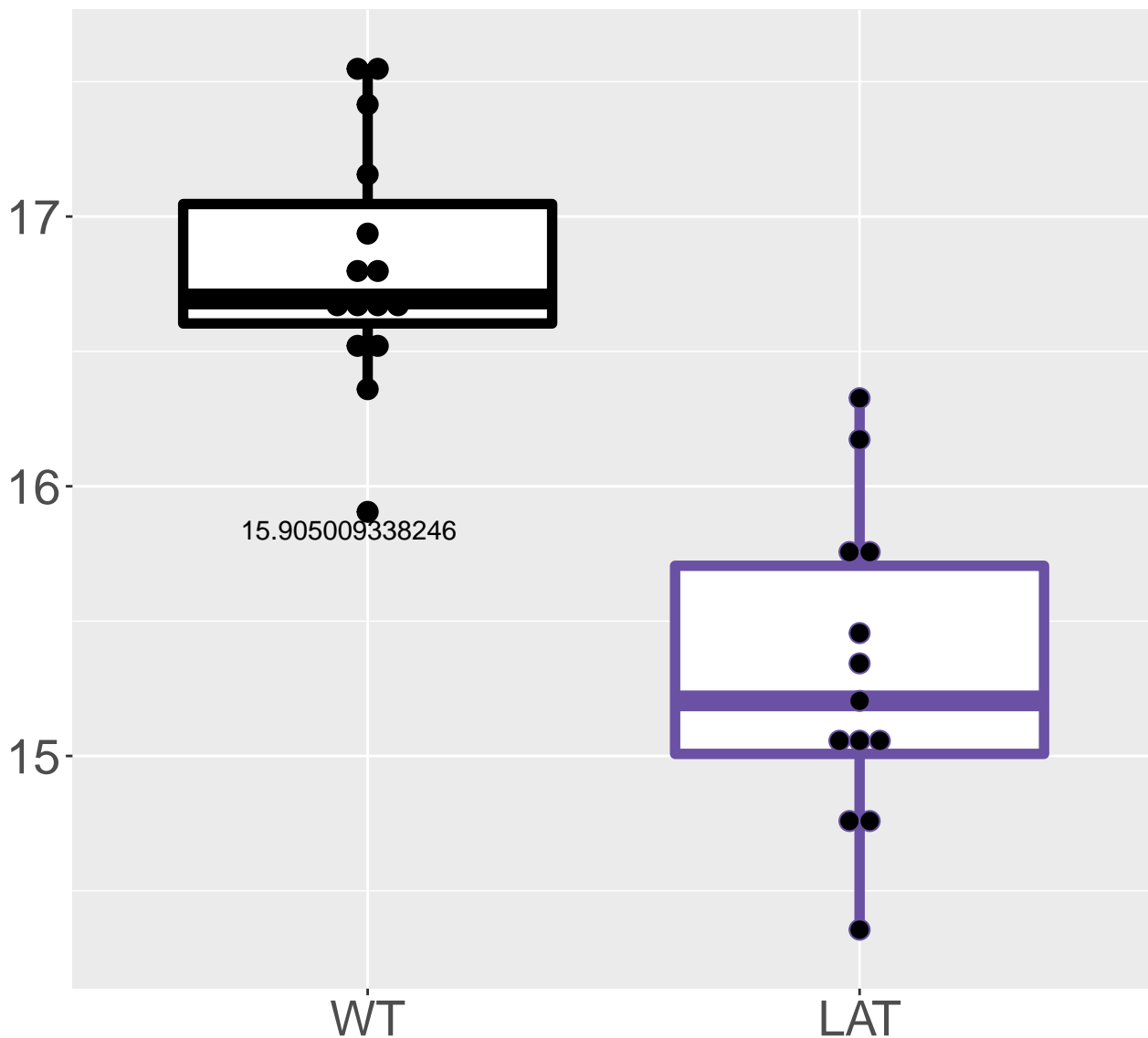
**M523.4929T338.95\_2**

**FDR = 8.2e-07, FC = -2.1**



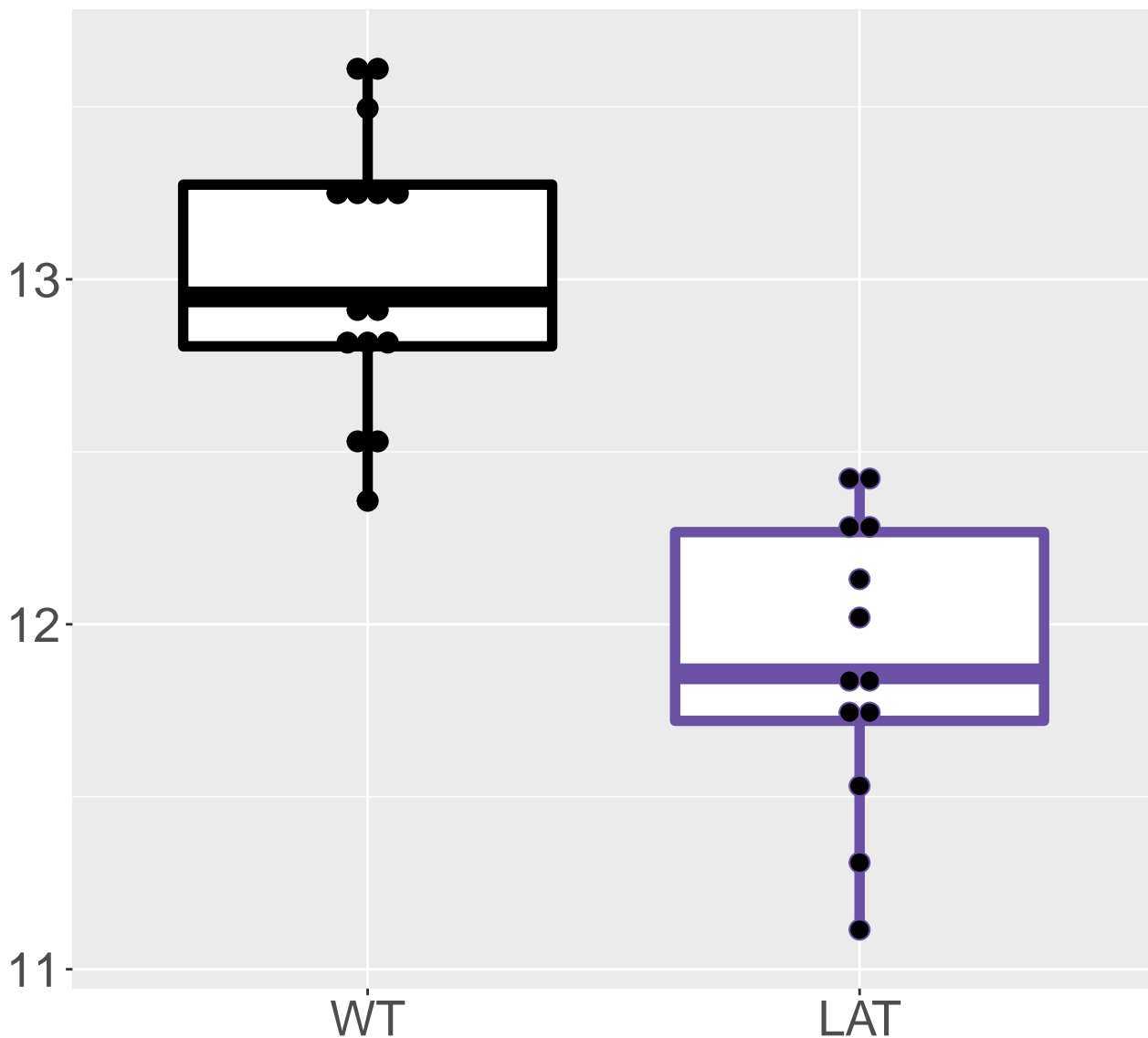
**M584.163T85.77**

**FDR =  $8.2e-07$ , FC = -1.5**

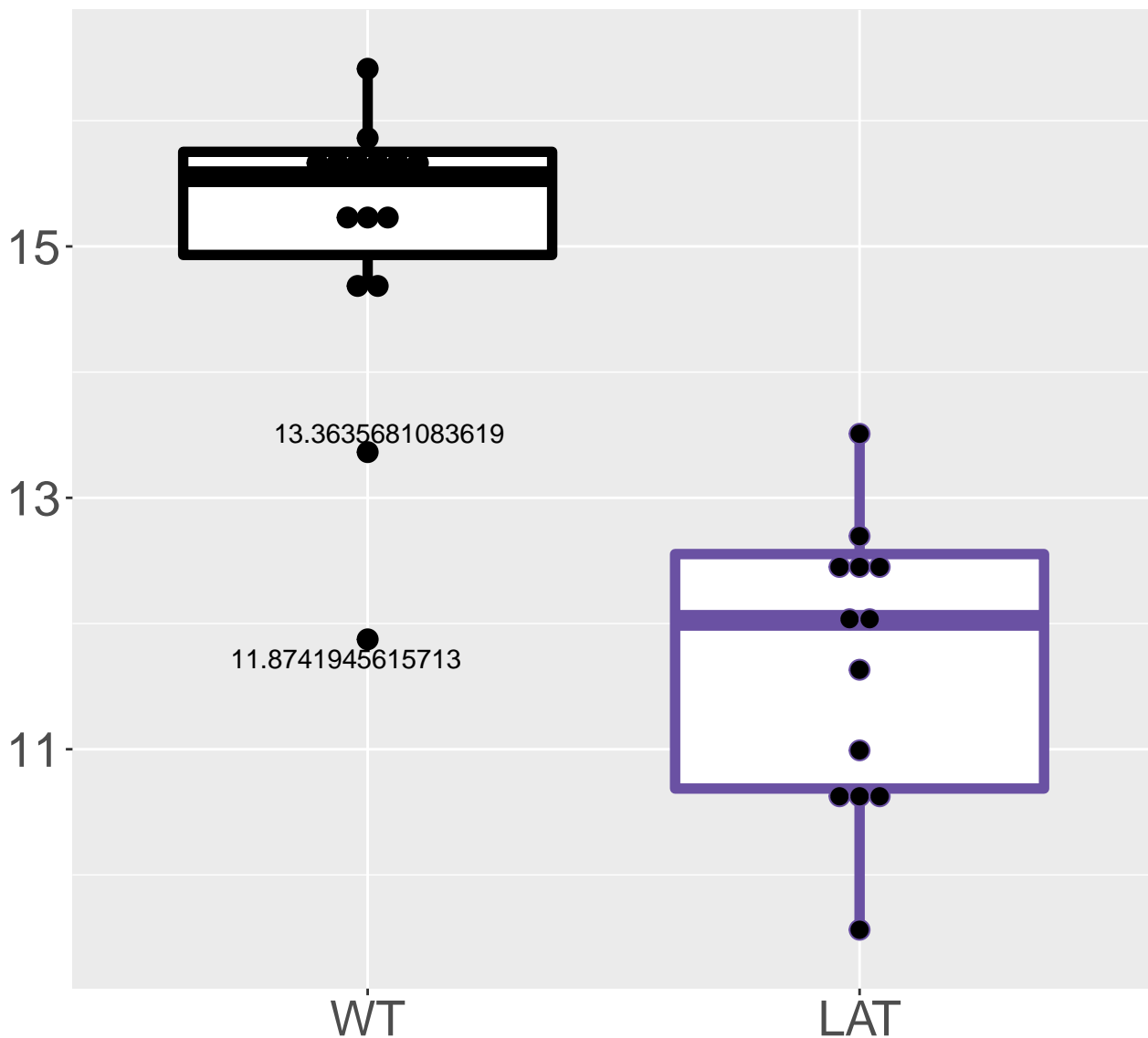


**M386.2059T256.57**

**FDR =  $8.2e-07$ , FC =  $-1.1$**

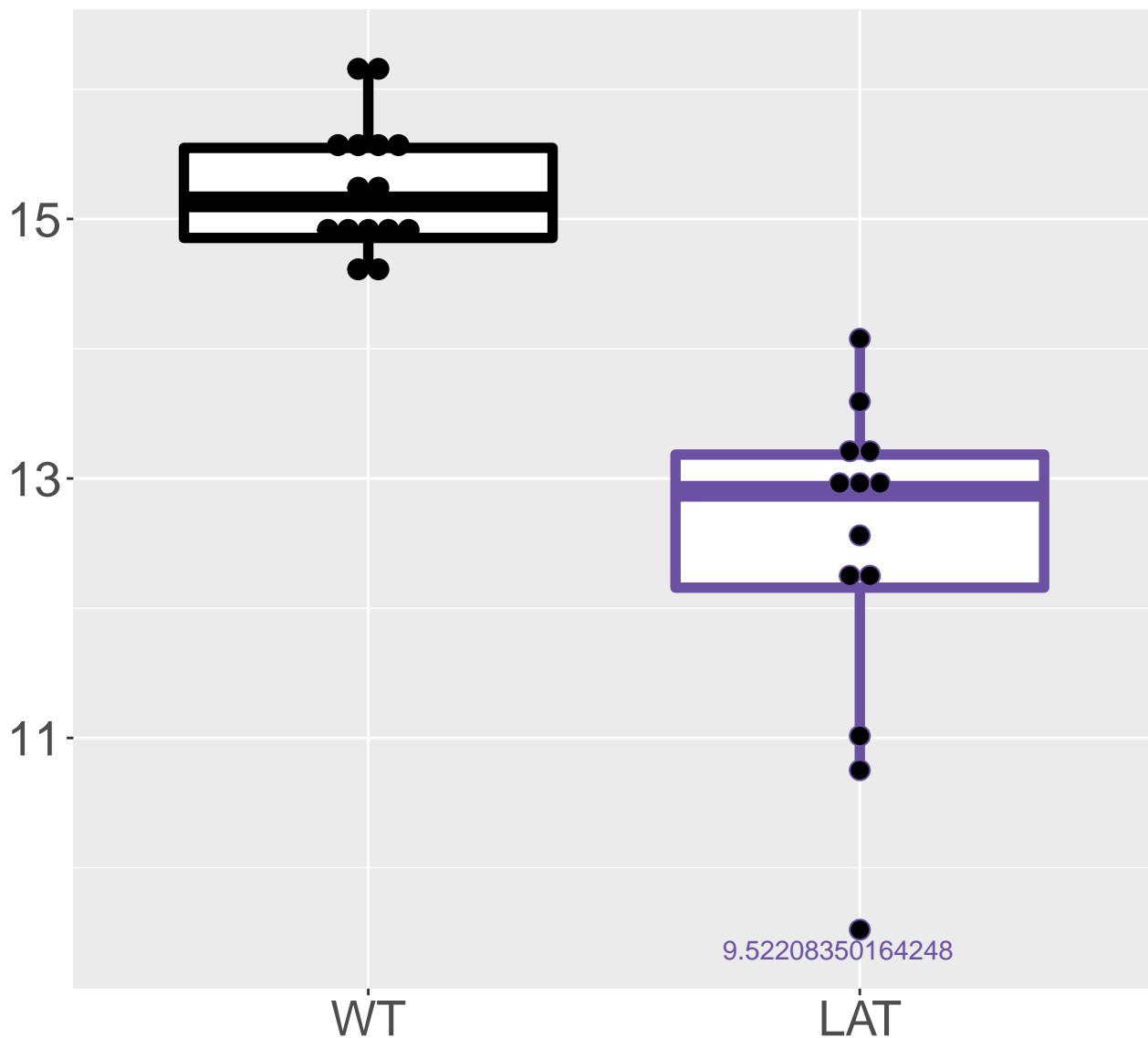


**M348.6897T266.99\_1**  
**FDR =  $8.5e-07$ , FC =  $-3.4$**



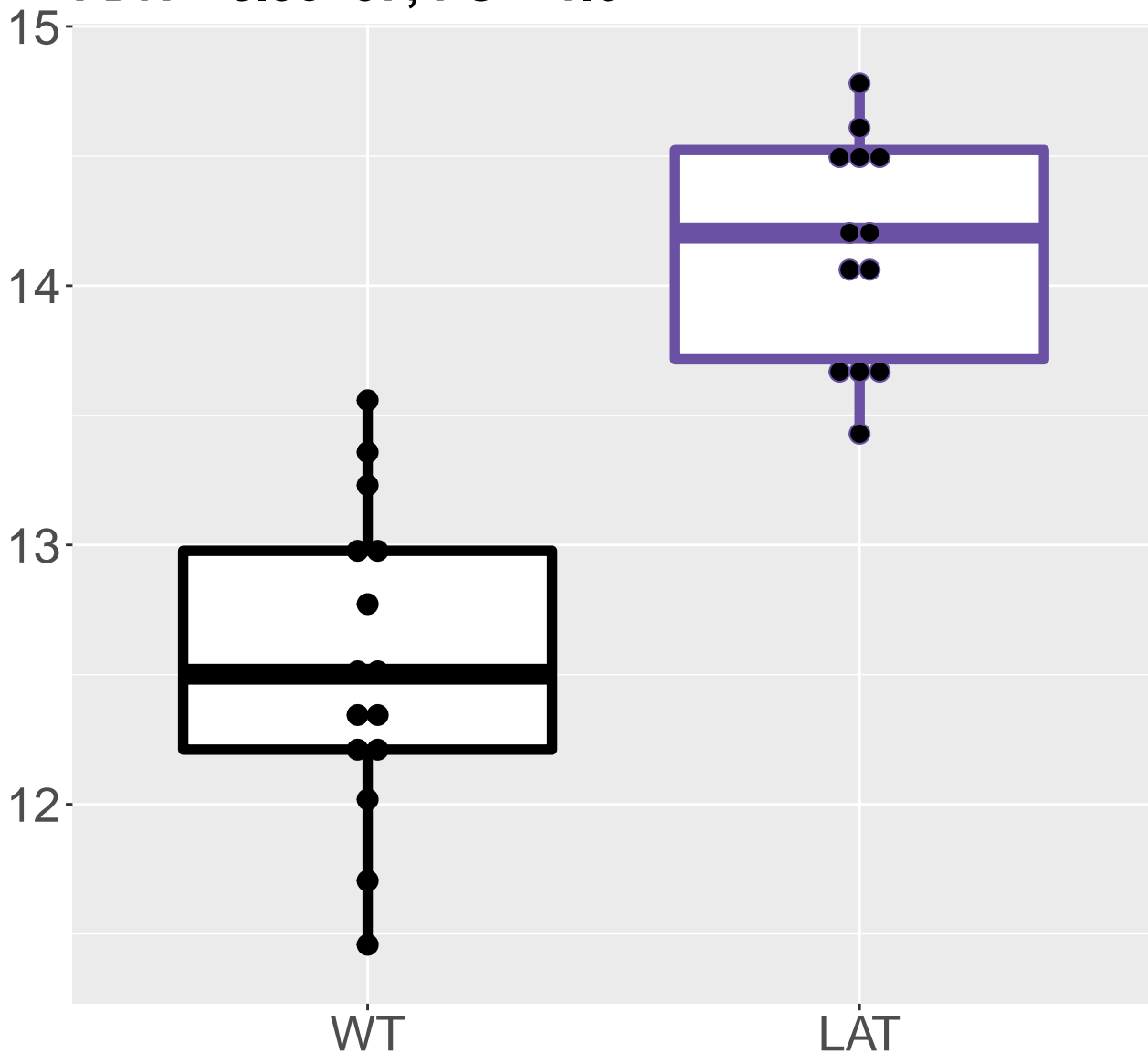
**M343.8749T310.58\_2**

**FDR =  $8.5e-07$ , FC =  $-2.8$**



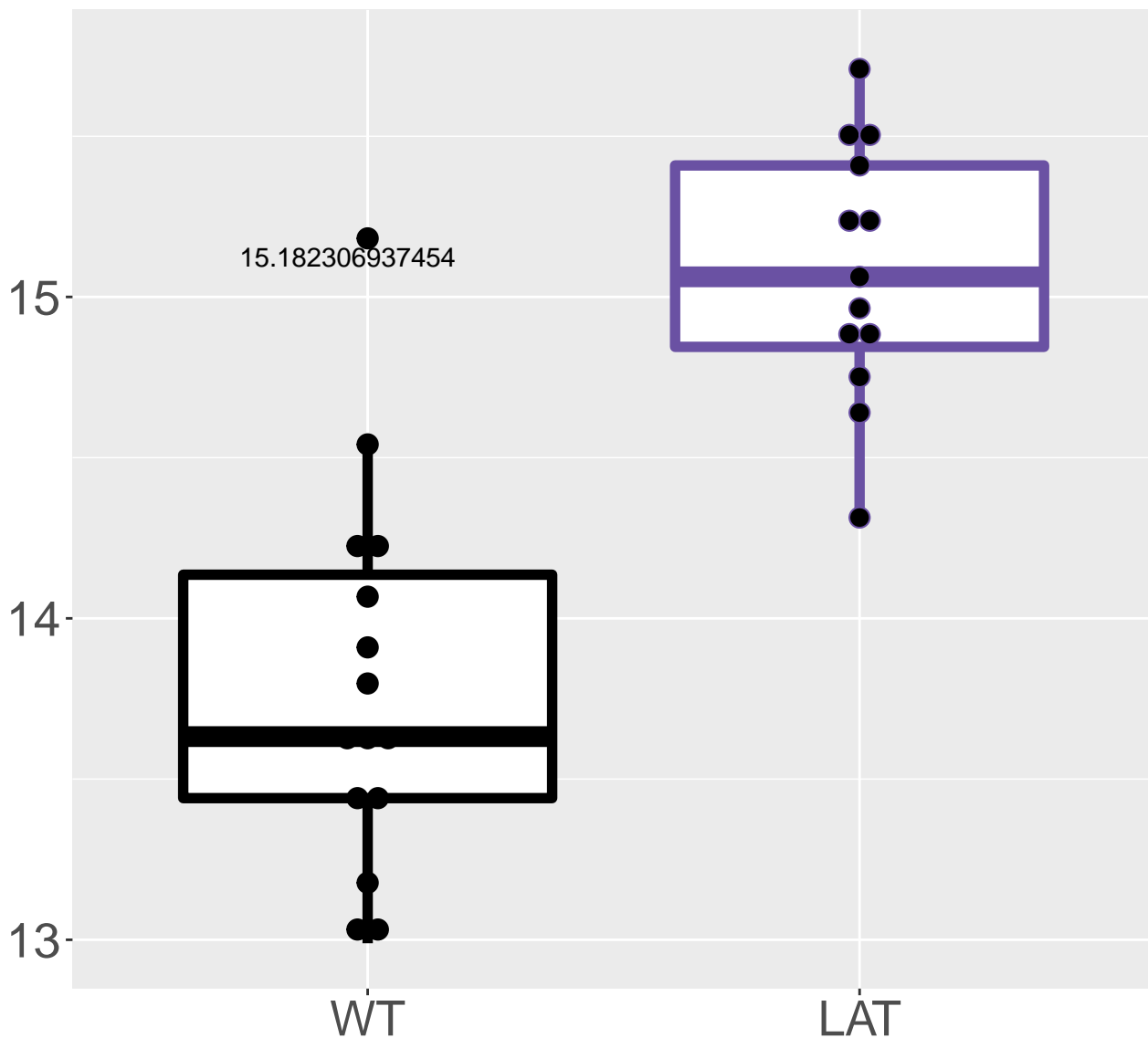
**M365.2183T104.21**

**FDR =  $8.5e-07$ , FC = 1.6**



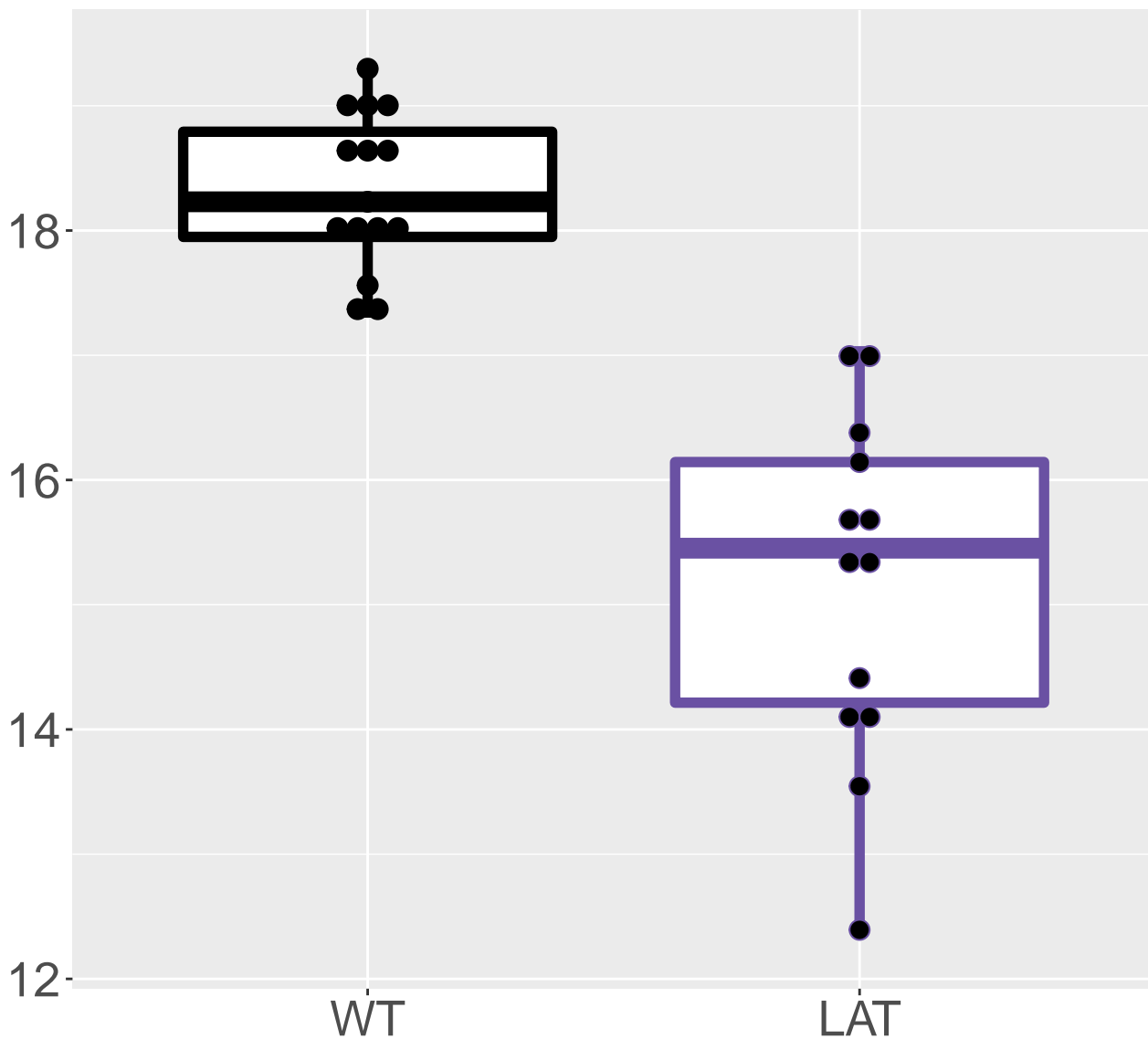
**M572.5198T238.7\_1**

**FDR =  $8.5e-07$ , FC = 1.3, sex\***



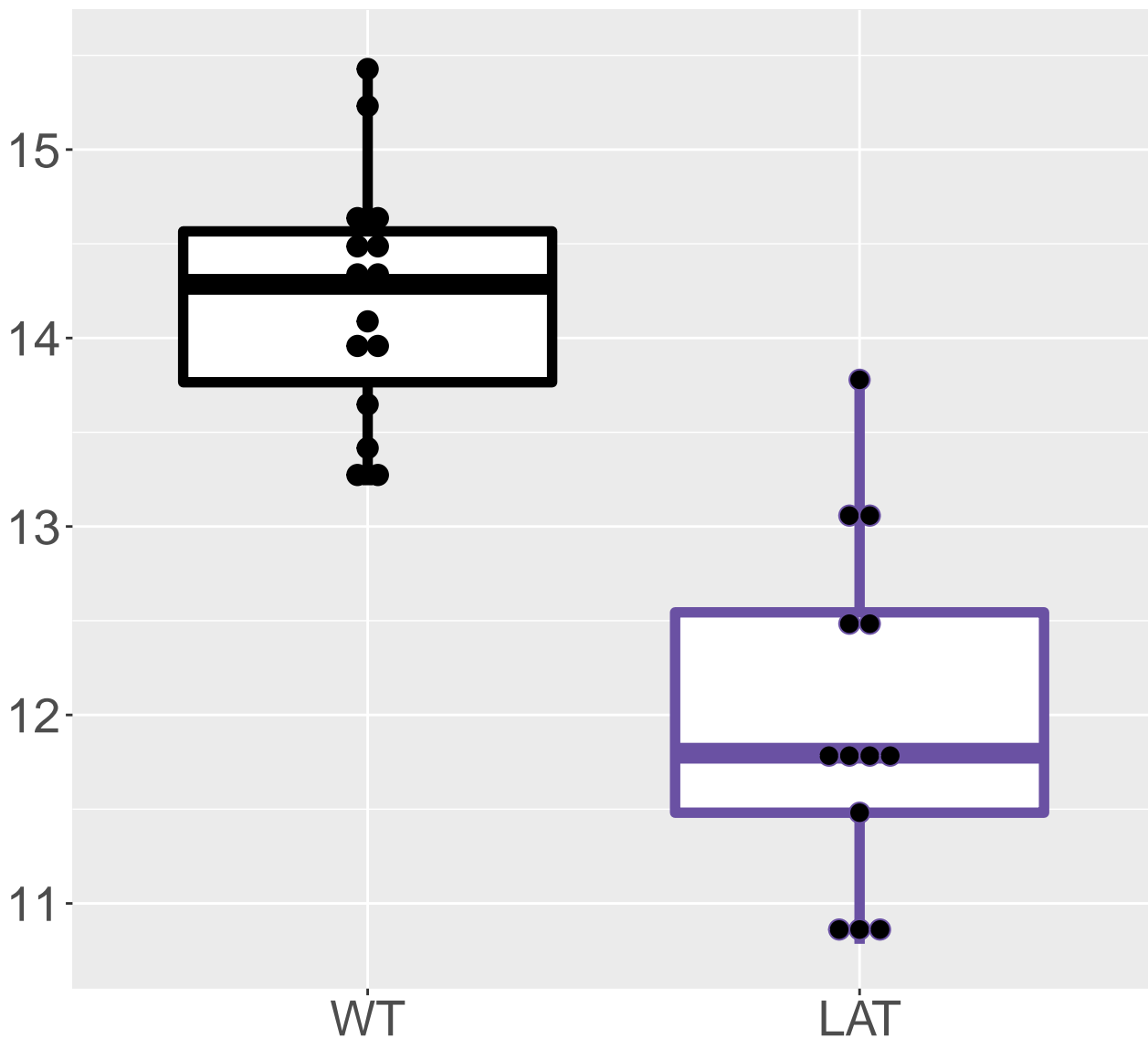


**M453.5027T327.55\_1**  
**FDR = 9e-07, FC = -3.2**



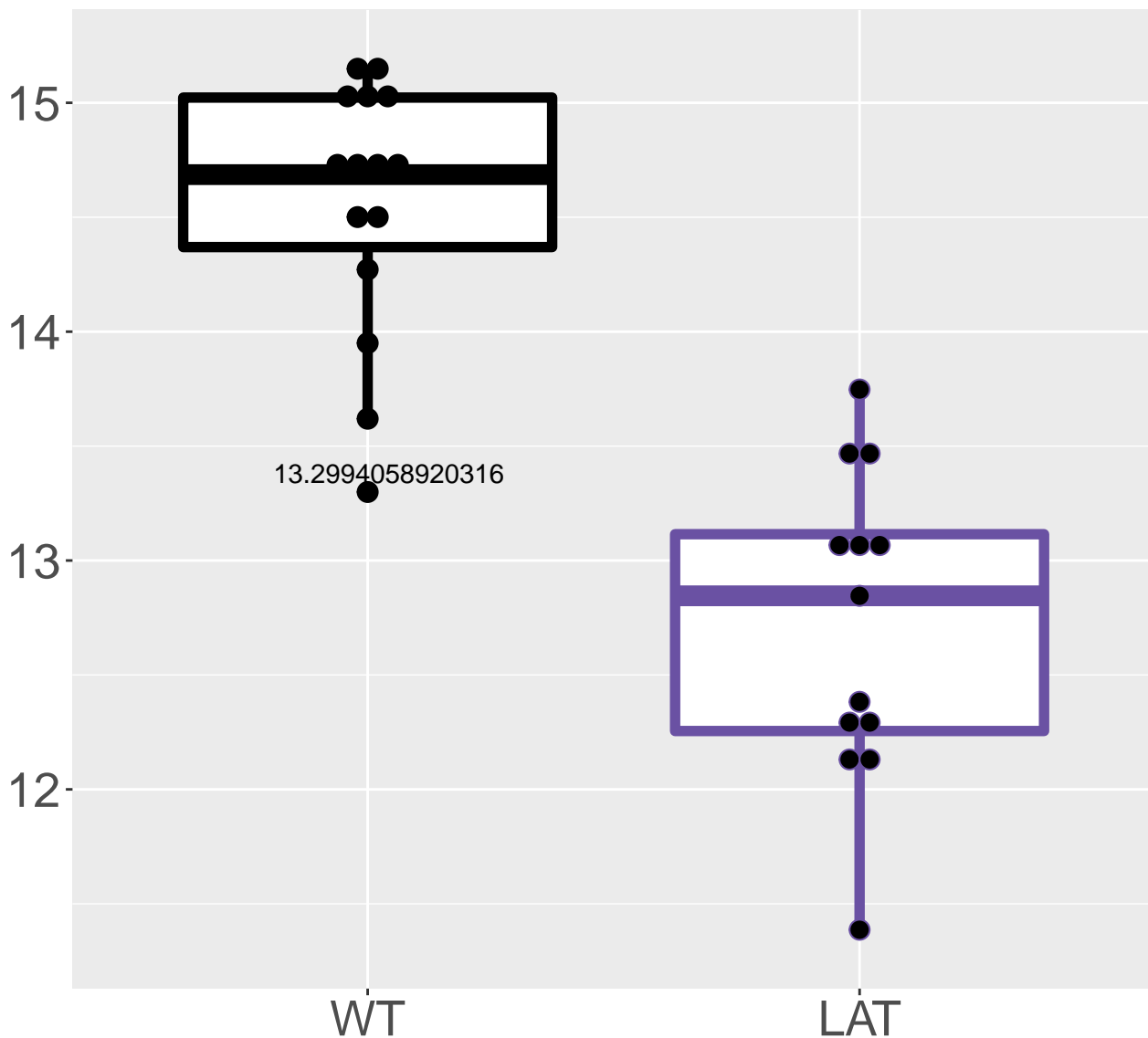
**M257.1751T273.09**

**FDR =  $9.2e-07$ , FC = -2.2**



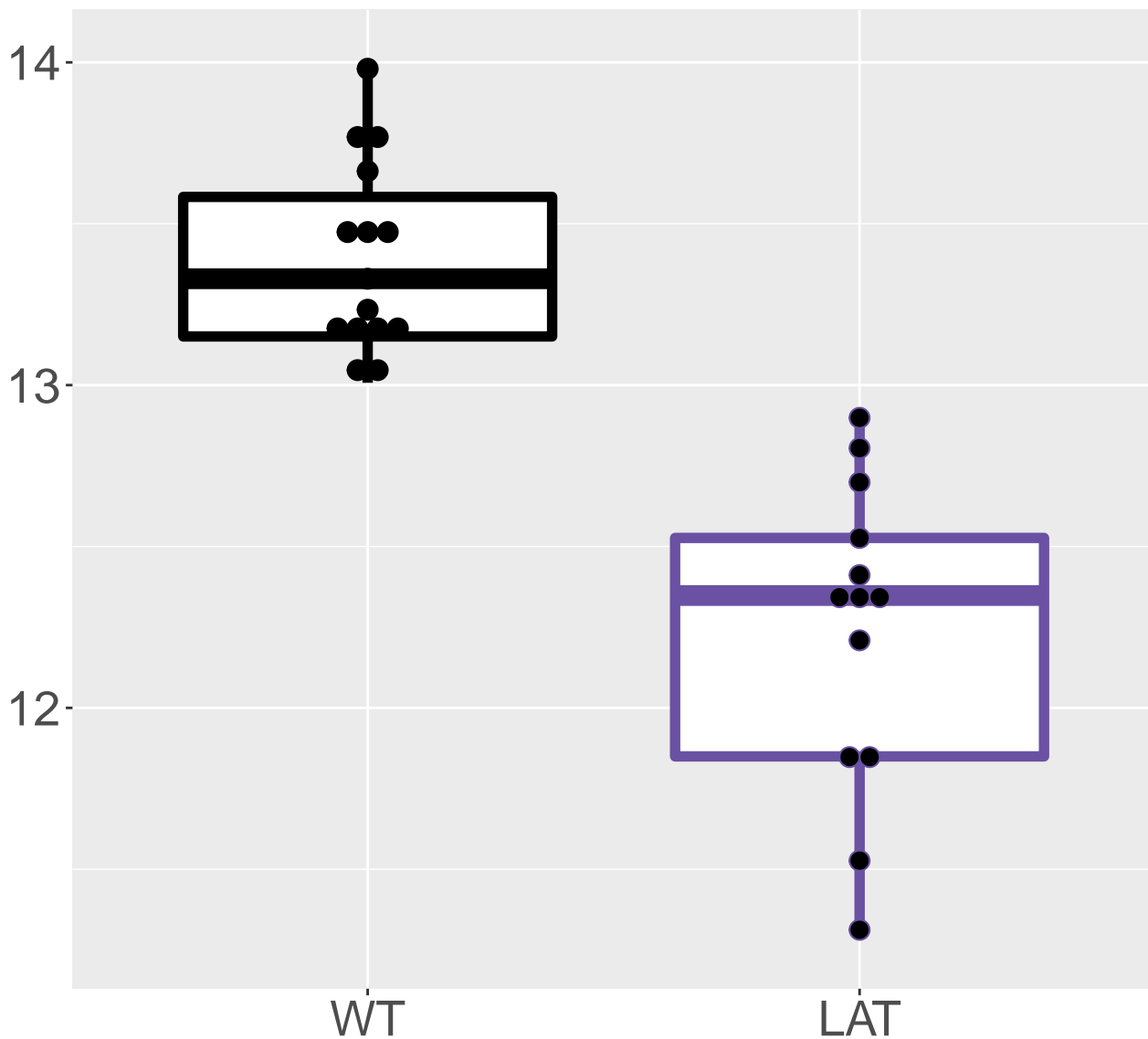
**M392.4166T258.42**

**FDR = 1.1e-06, FC = -1.8**

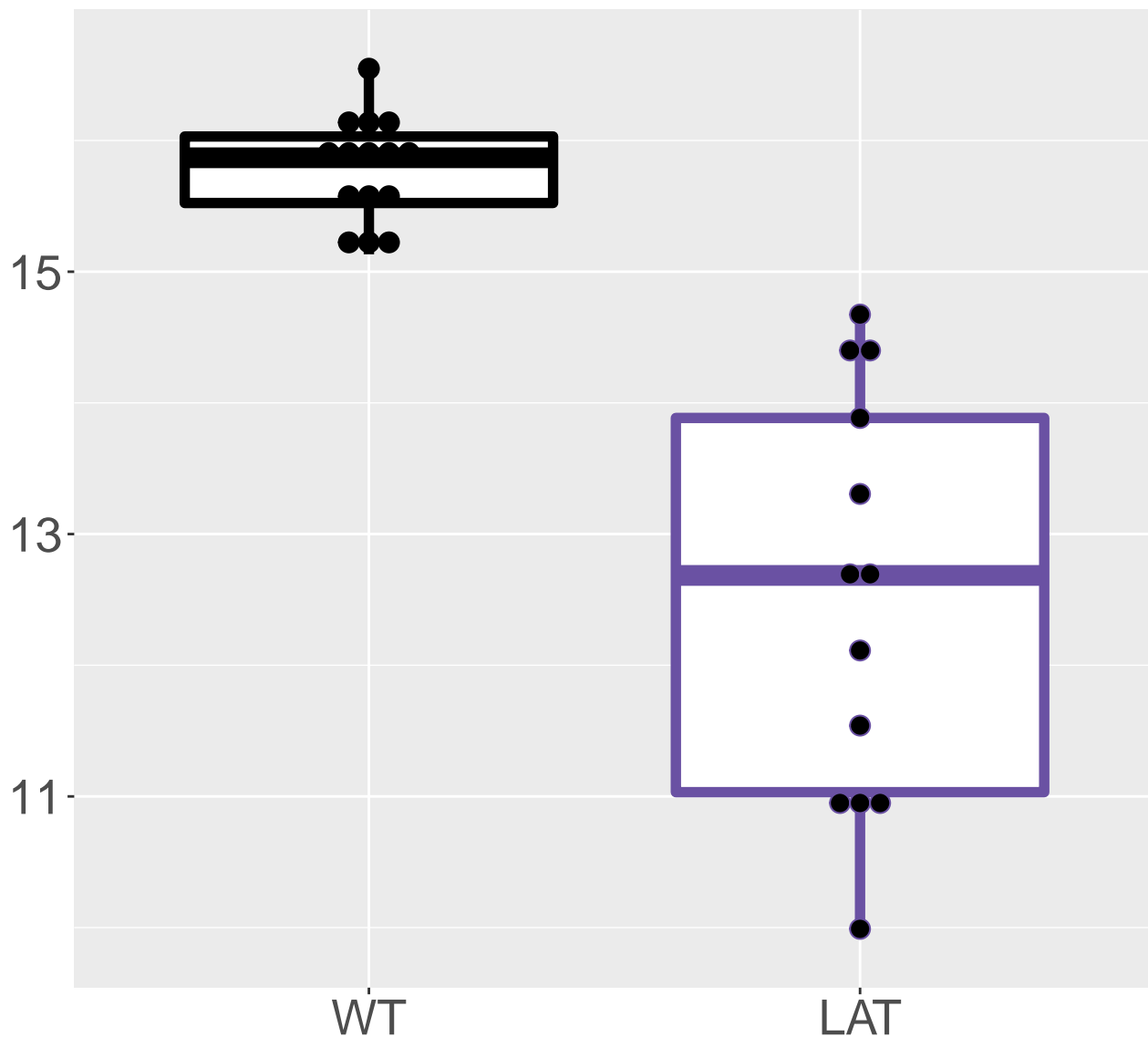


**M539.2023T304.33**

**FDR = 1.1e-06, FC = -1.2**

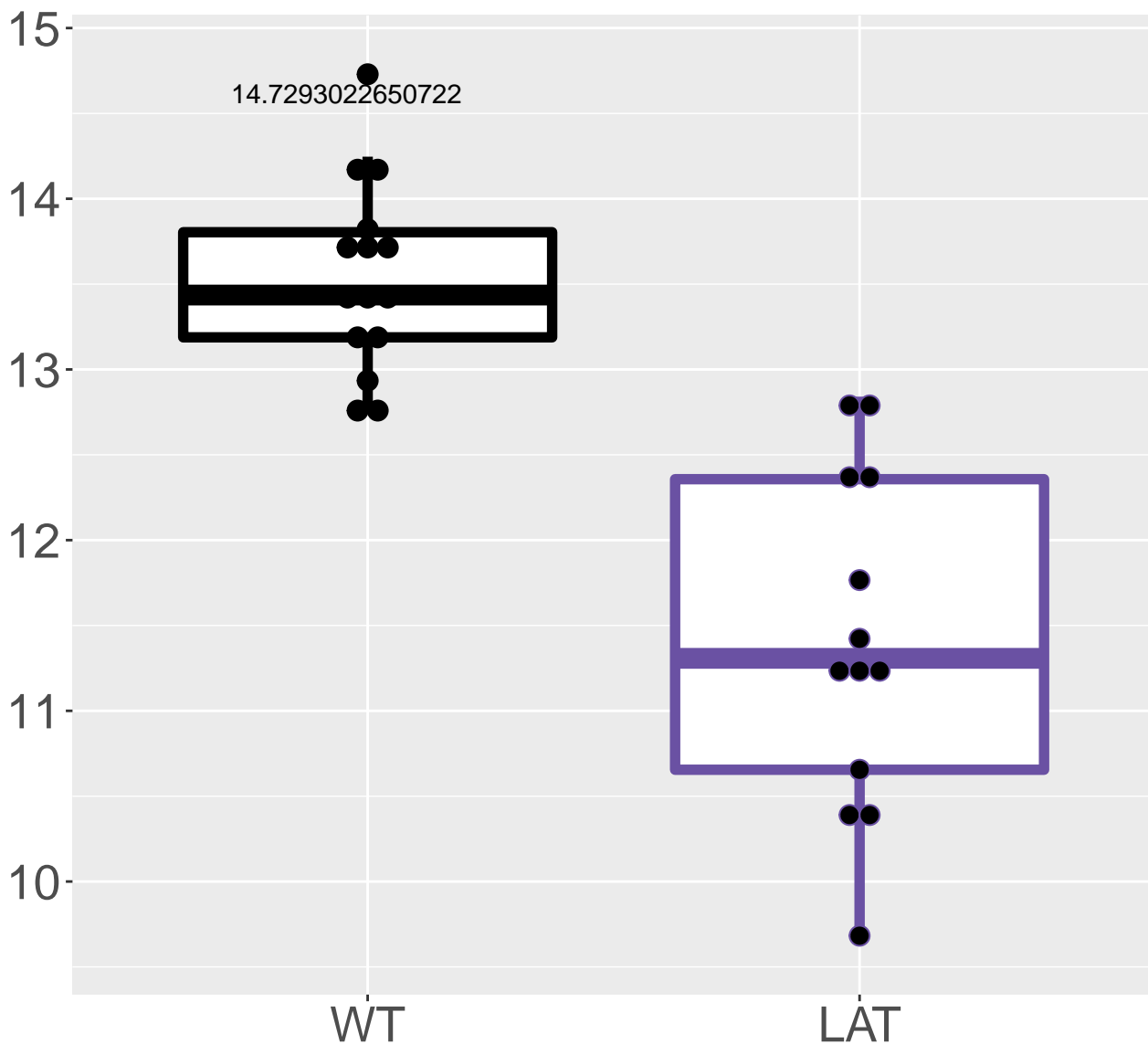


**M370.5416T161.57\_1**  
**FDR = 1.1e-06, FC = -3.3**

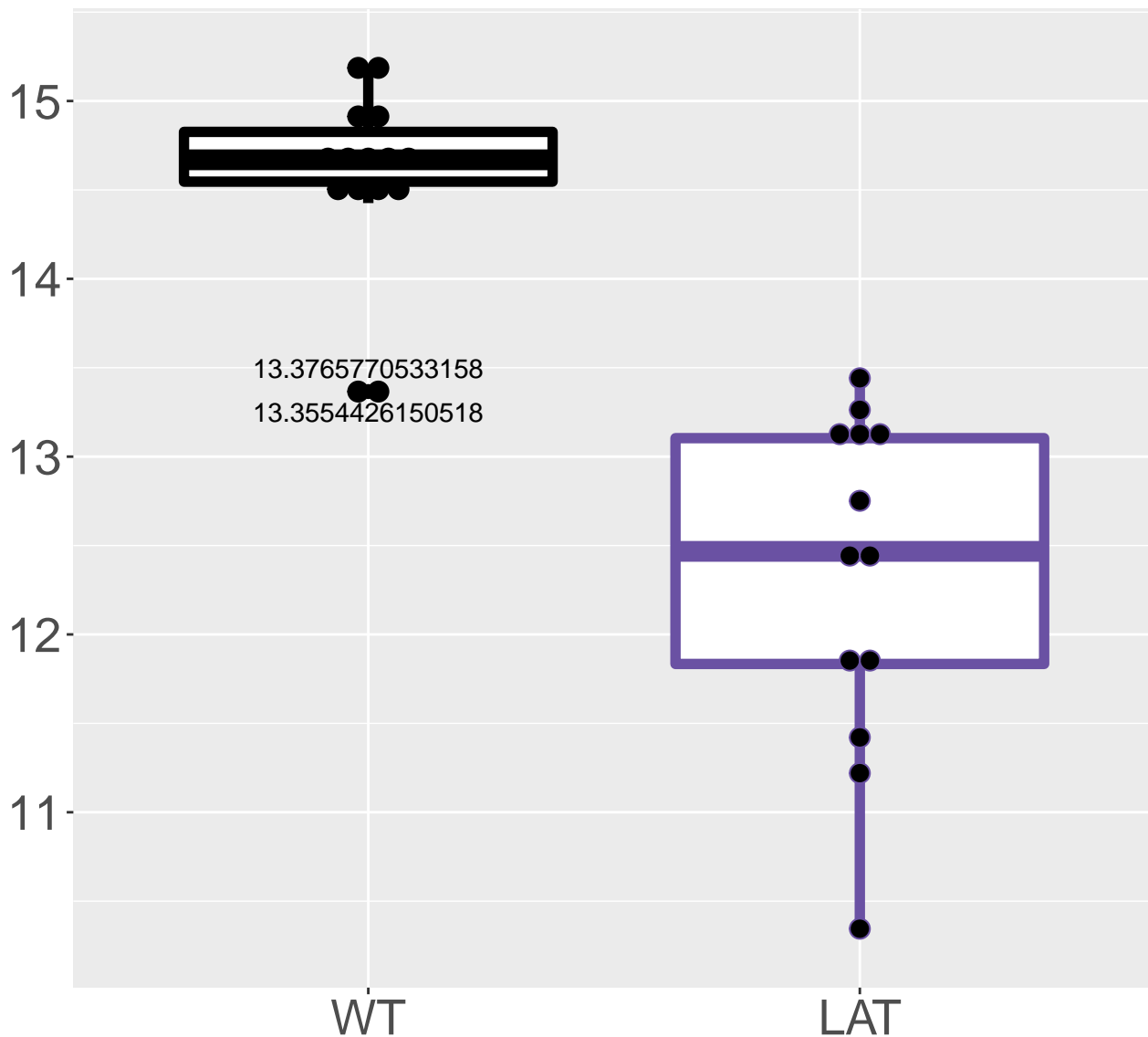


**M258.1704T107.44**

**FDR = 1.3e-06, FC = -2.1**

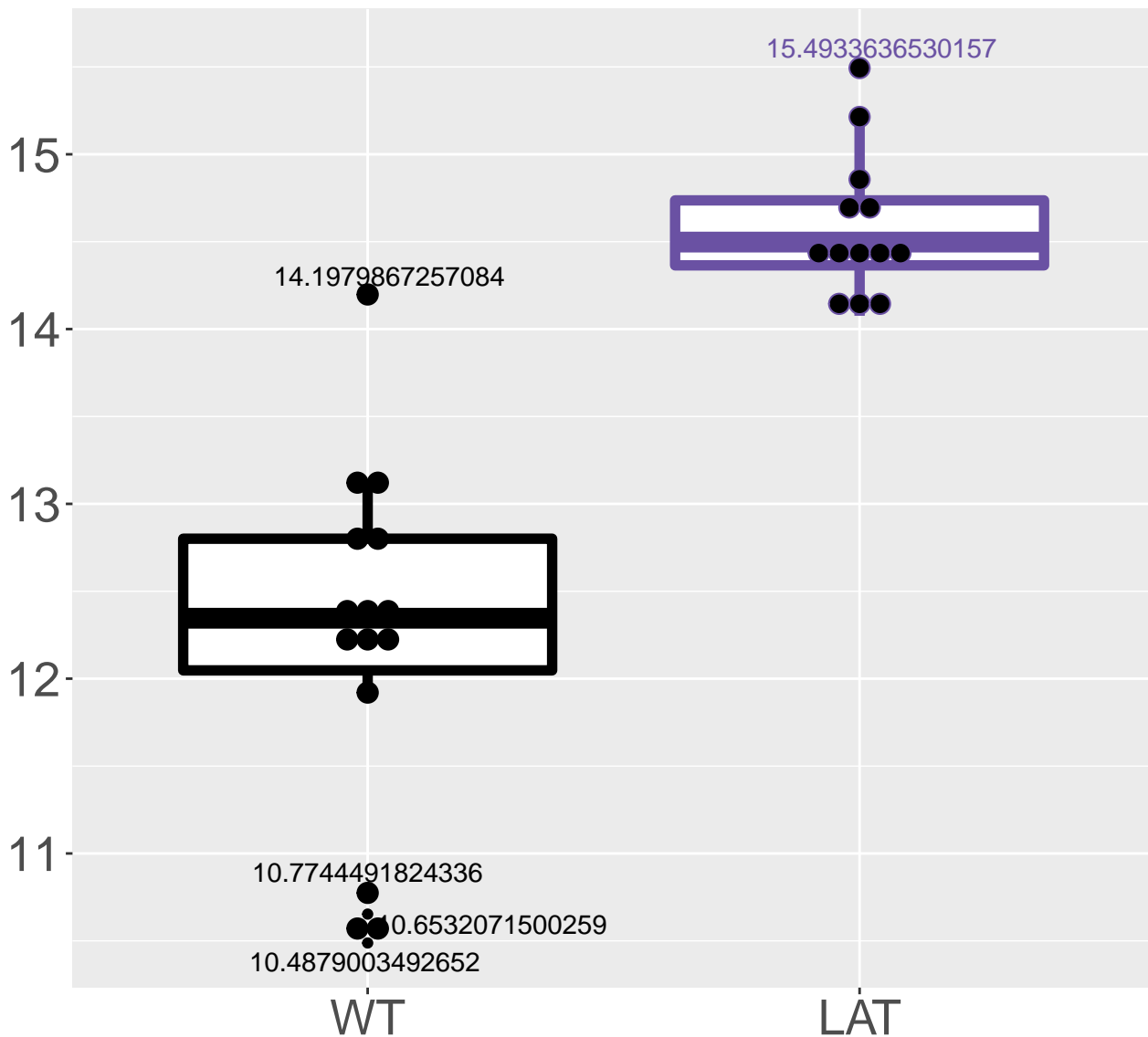


**M392.6171T258.42\_1**  
**FDR = 1.3e-06, FC = -2.2**



**M450.9857T249.3**

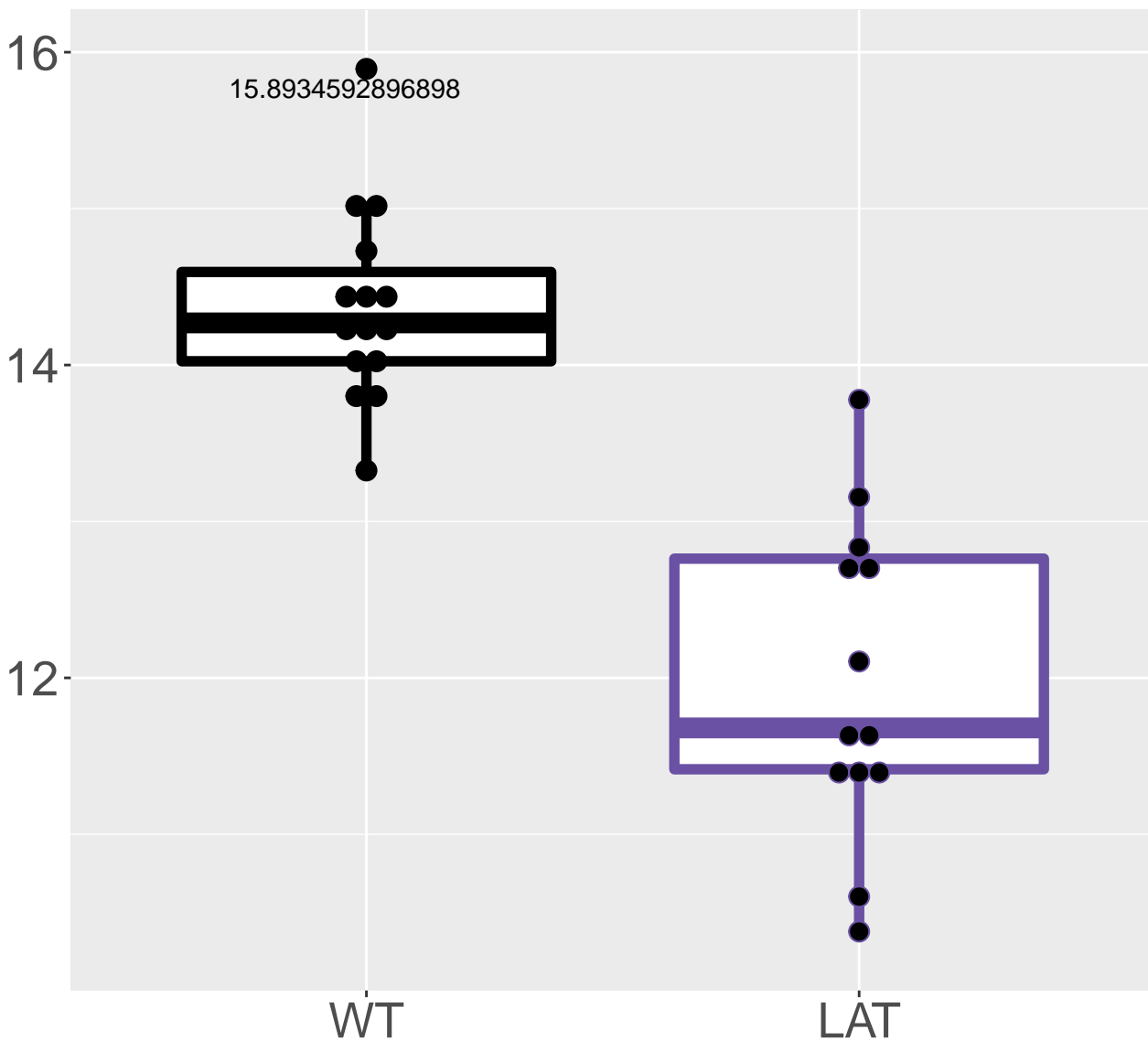
**FDR = 1.4e-06, FC = 2.3**



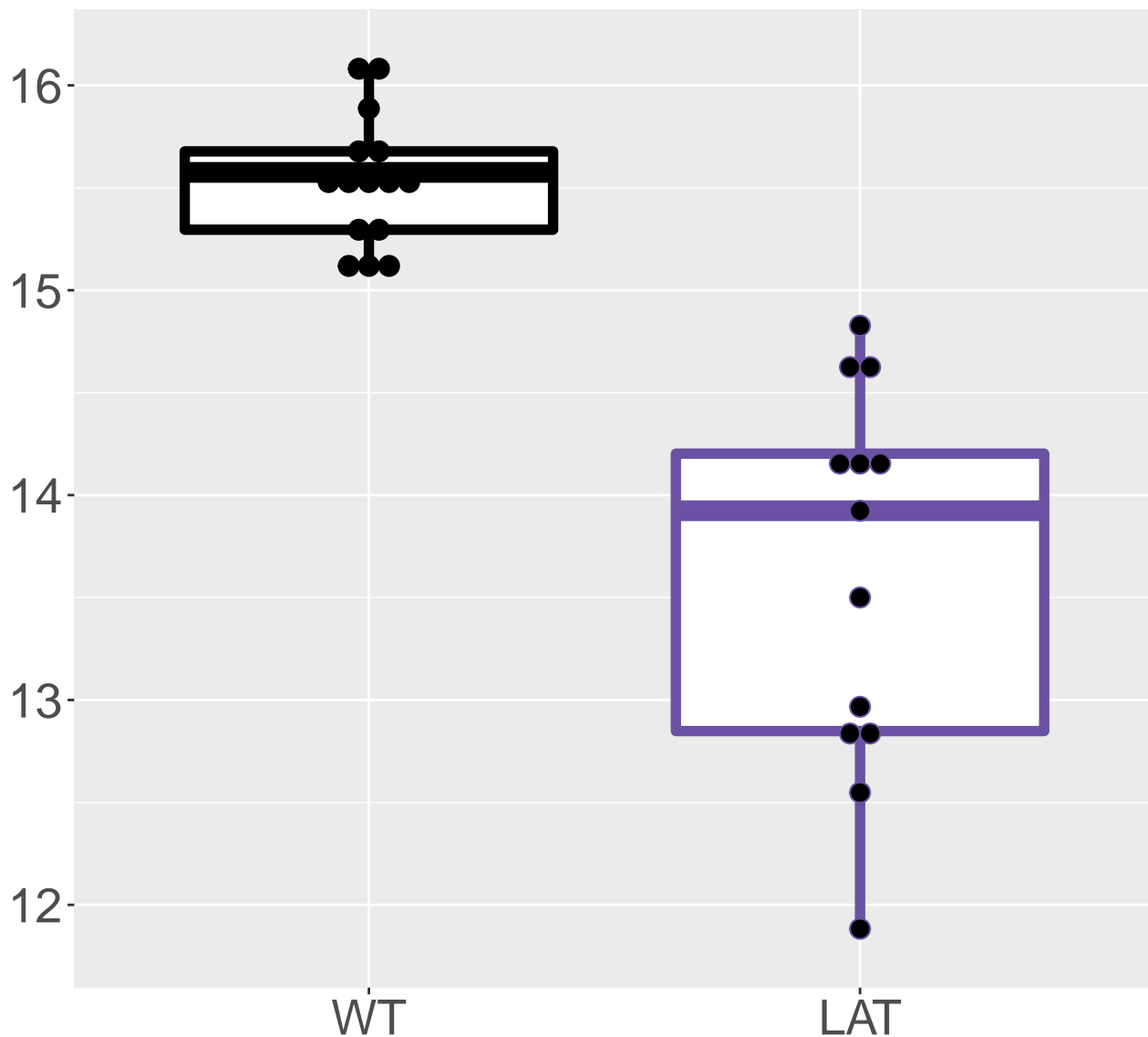


**M262.1659T195.34\_2**

**FDR = 1.4e-06, FC = -2.4**

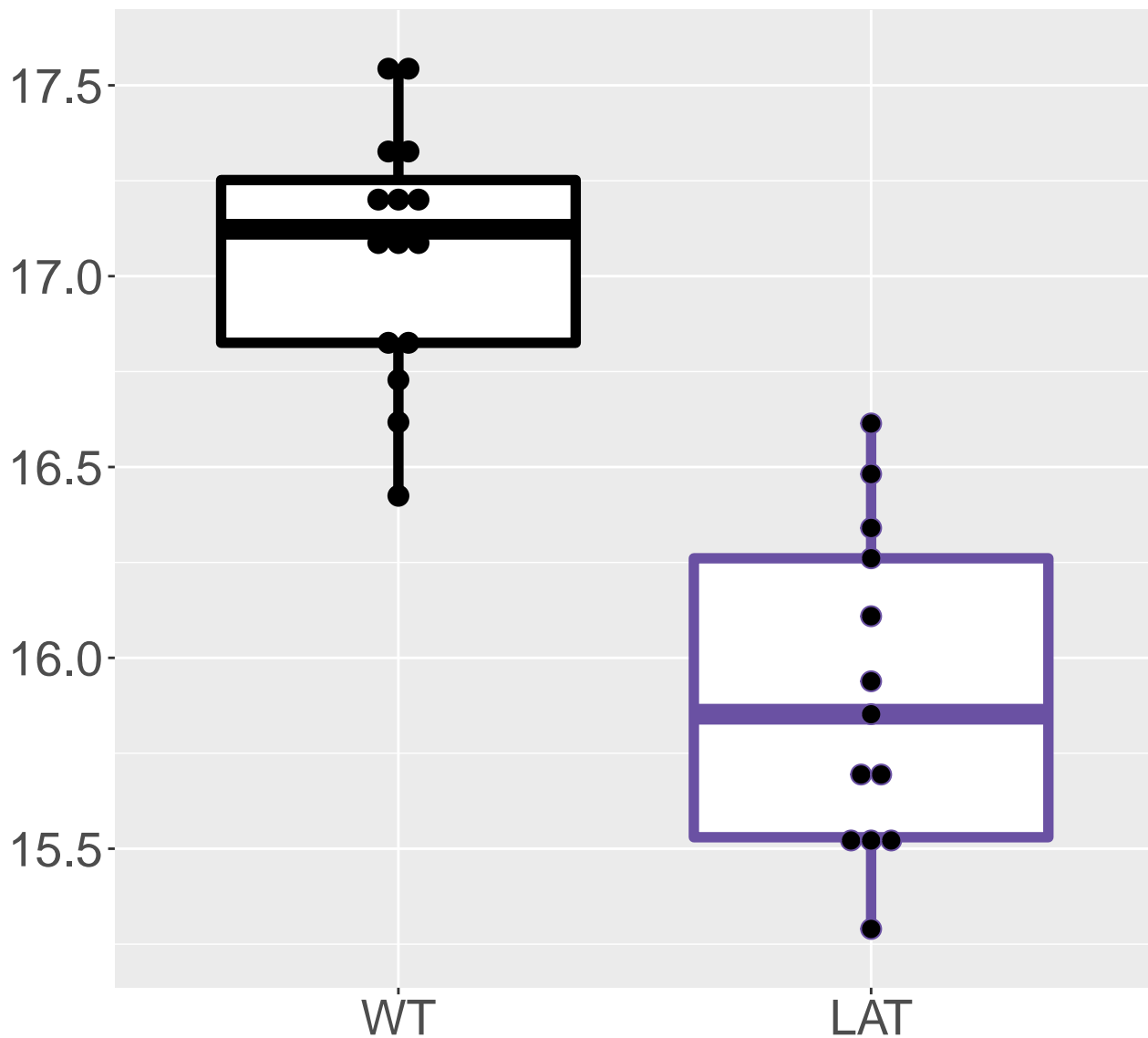


**M426.5615T272.62\_1**  
**FDR = 1.4e-06, FC = -1.9**

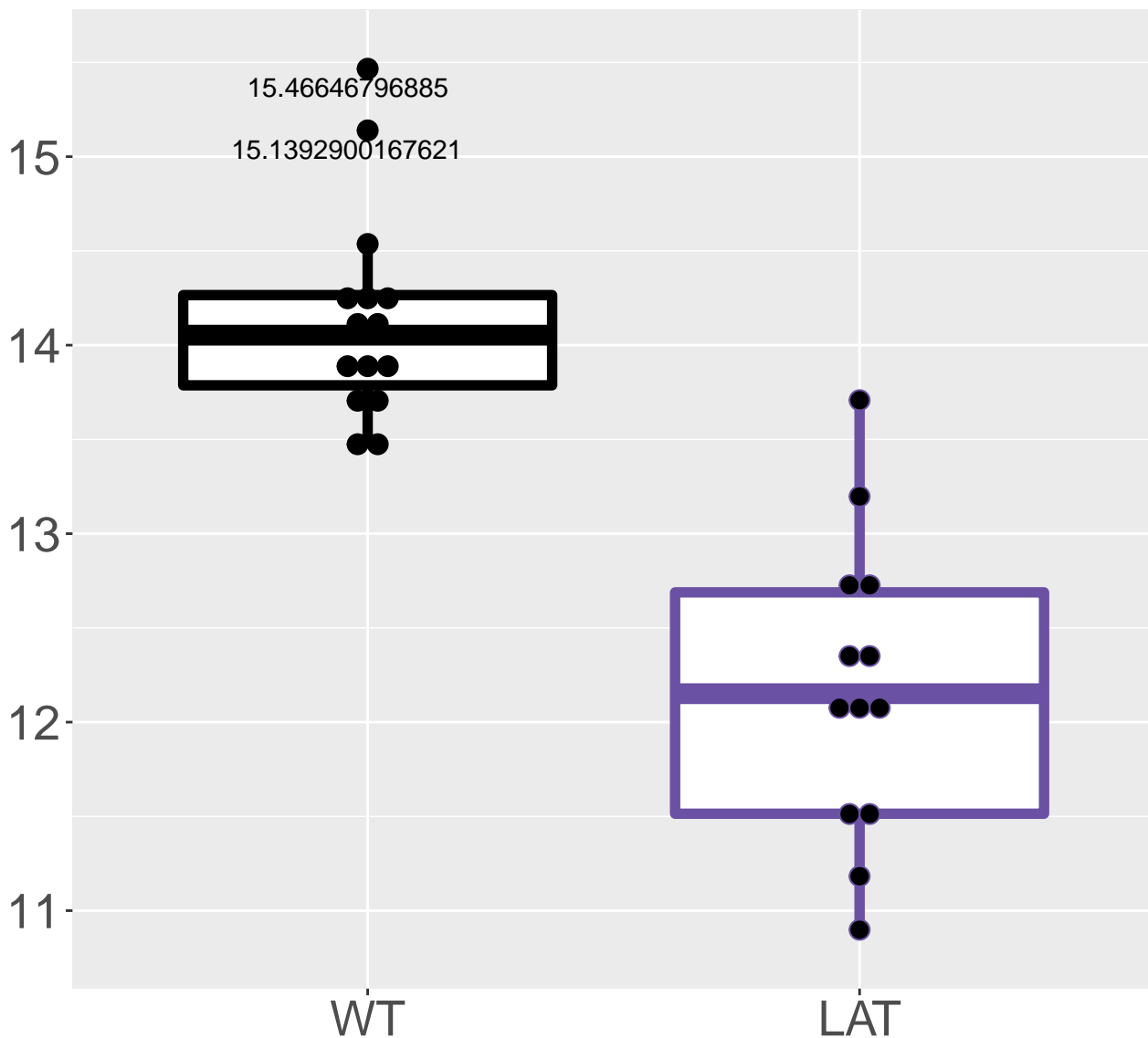


**M327.1677T65.54**

**FDR = 1.4e-06, FC = -1.2**

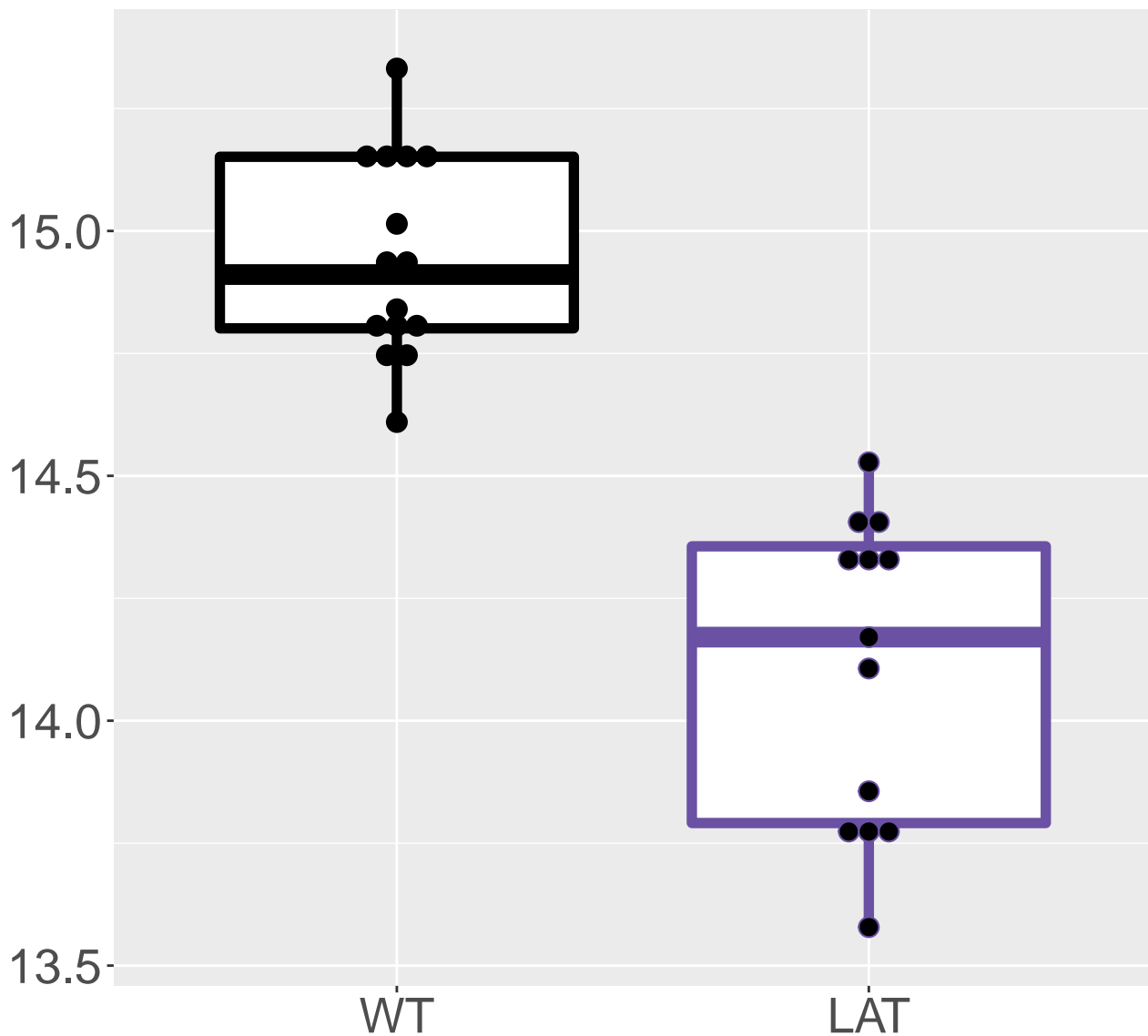


**M477.2804T377.84\_1**  
**FDR = 1.5e-06, FC = -2**

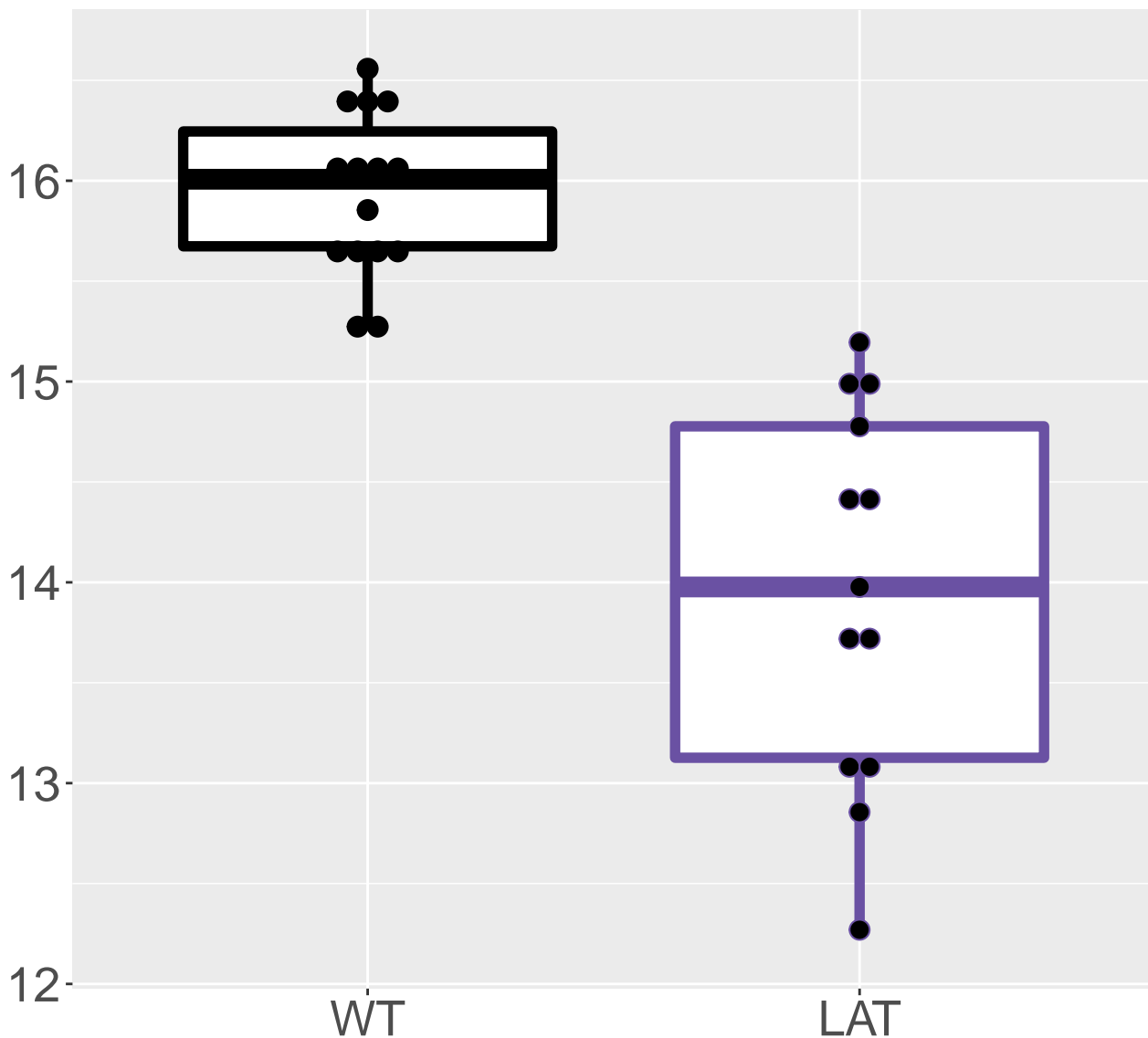


**M172.0572T44.36**

**FDR =  $1.6e-06$ , FC =  $-0.85$**

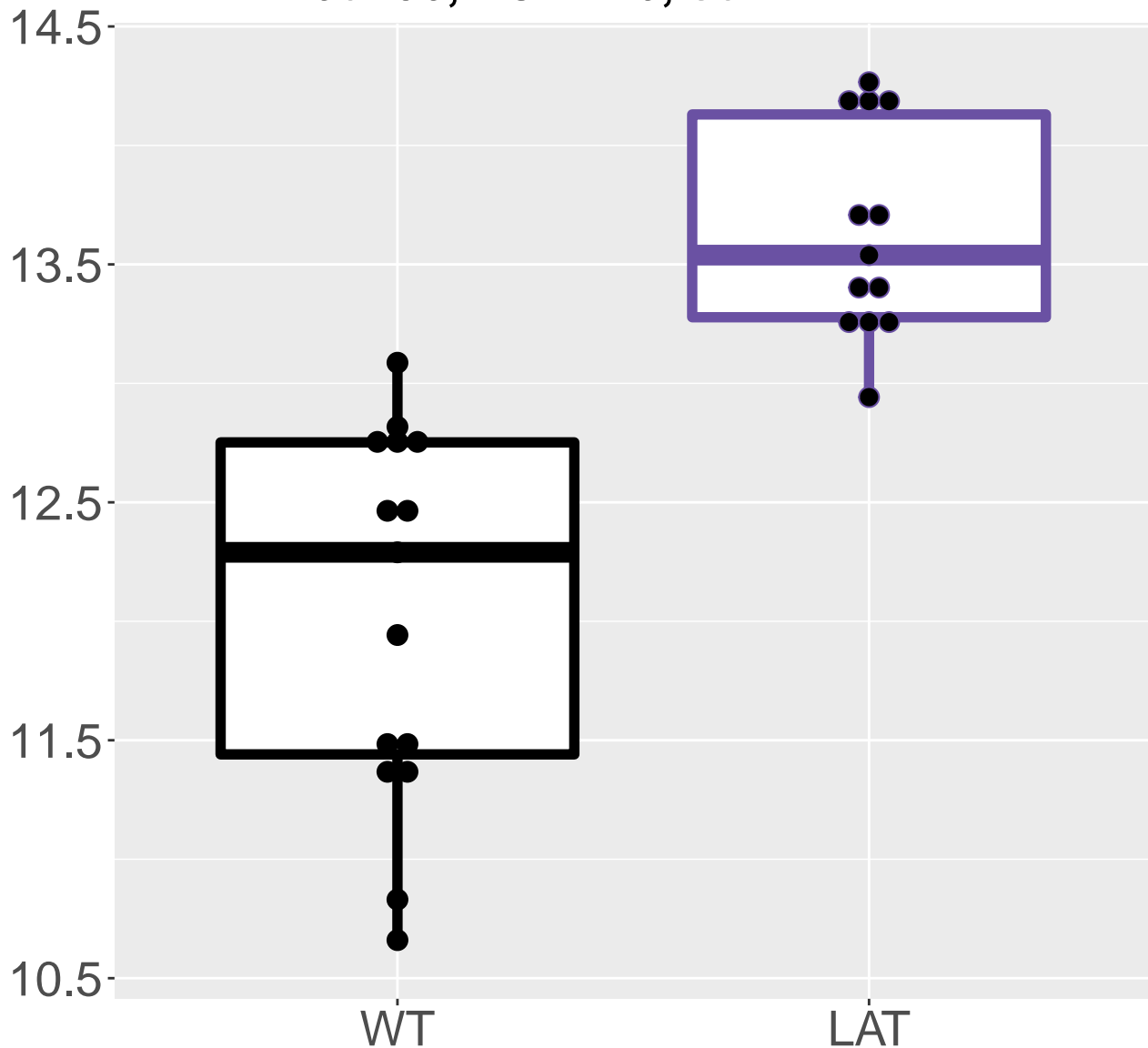


**M946.3652T52.9**  
**FDR = 1.6e-06, FC = -2**



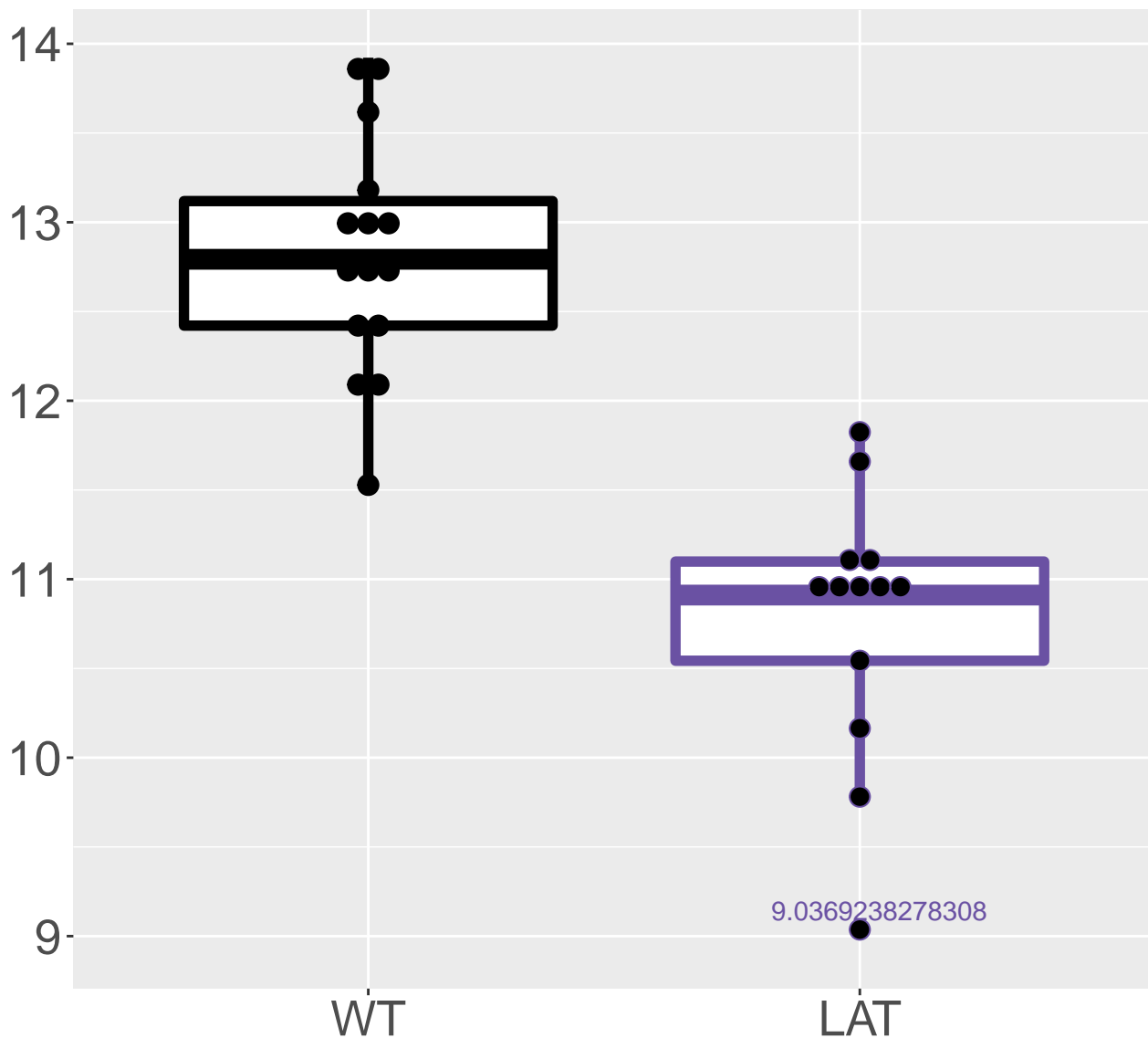
**M502.6216T360.9\_1**

**FDR = 1.6e-06, FC = 1.6, sex\***



**M439.2215T185.06**

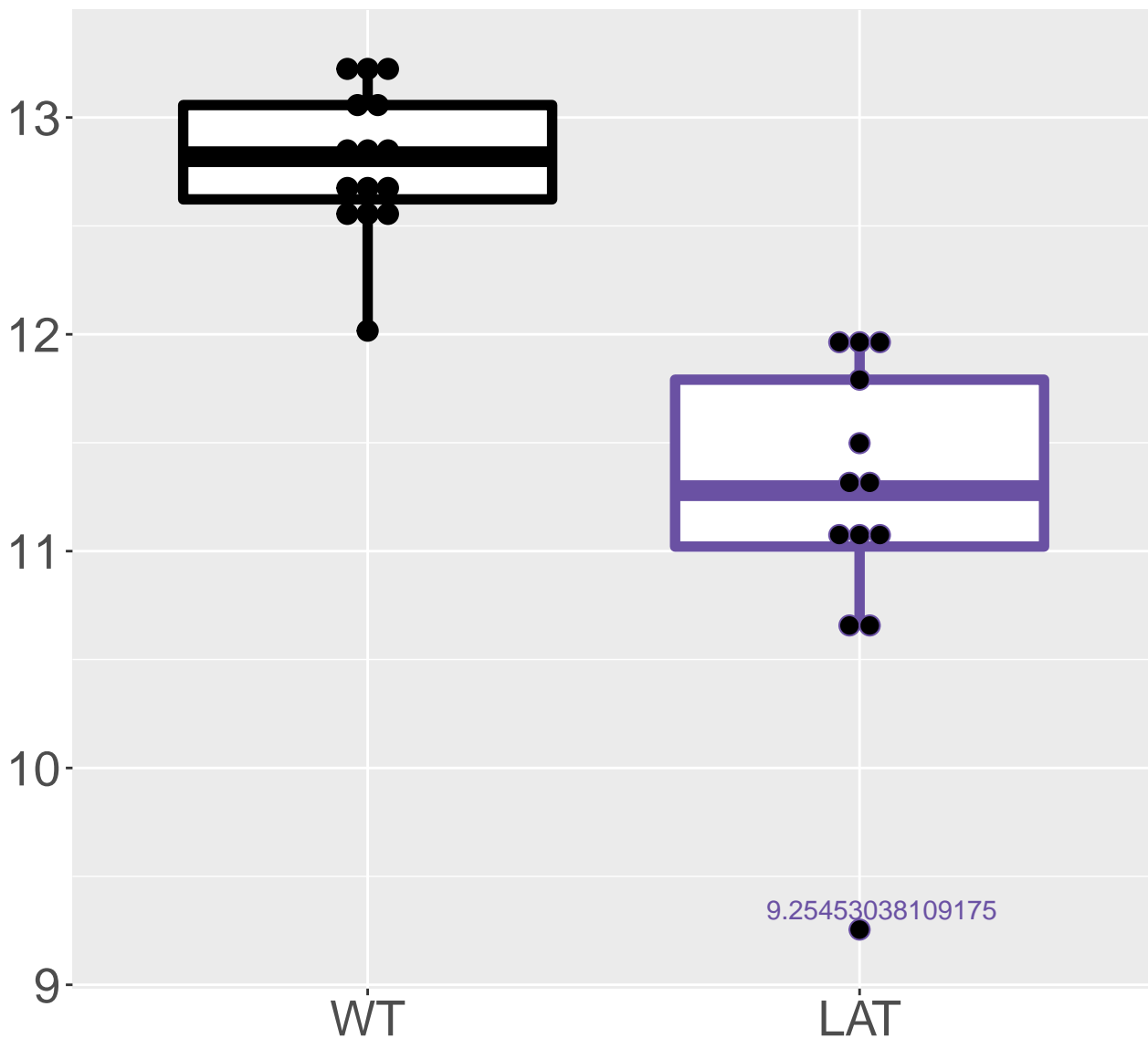
**FDR =  $1.8e-06$ , FC = -2.1**





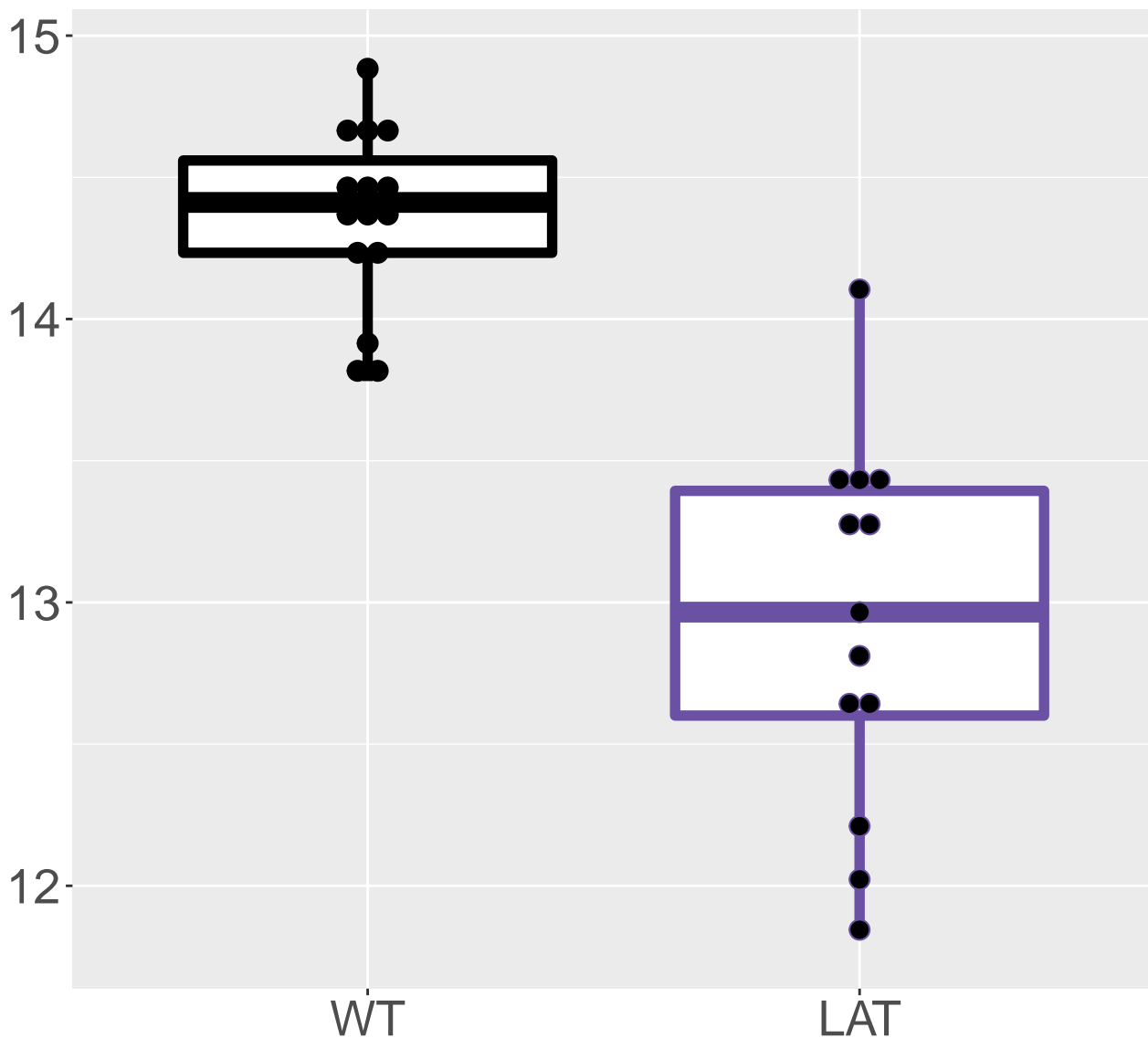
**M317.1553T157.02**

**FDR = 2.1e-06, FC = -1.6**



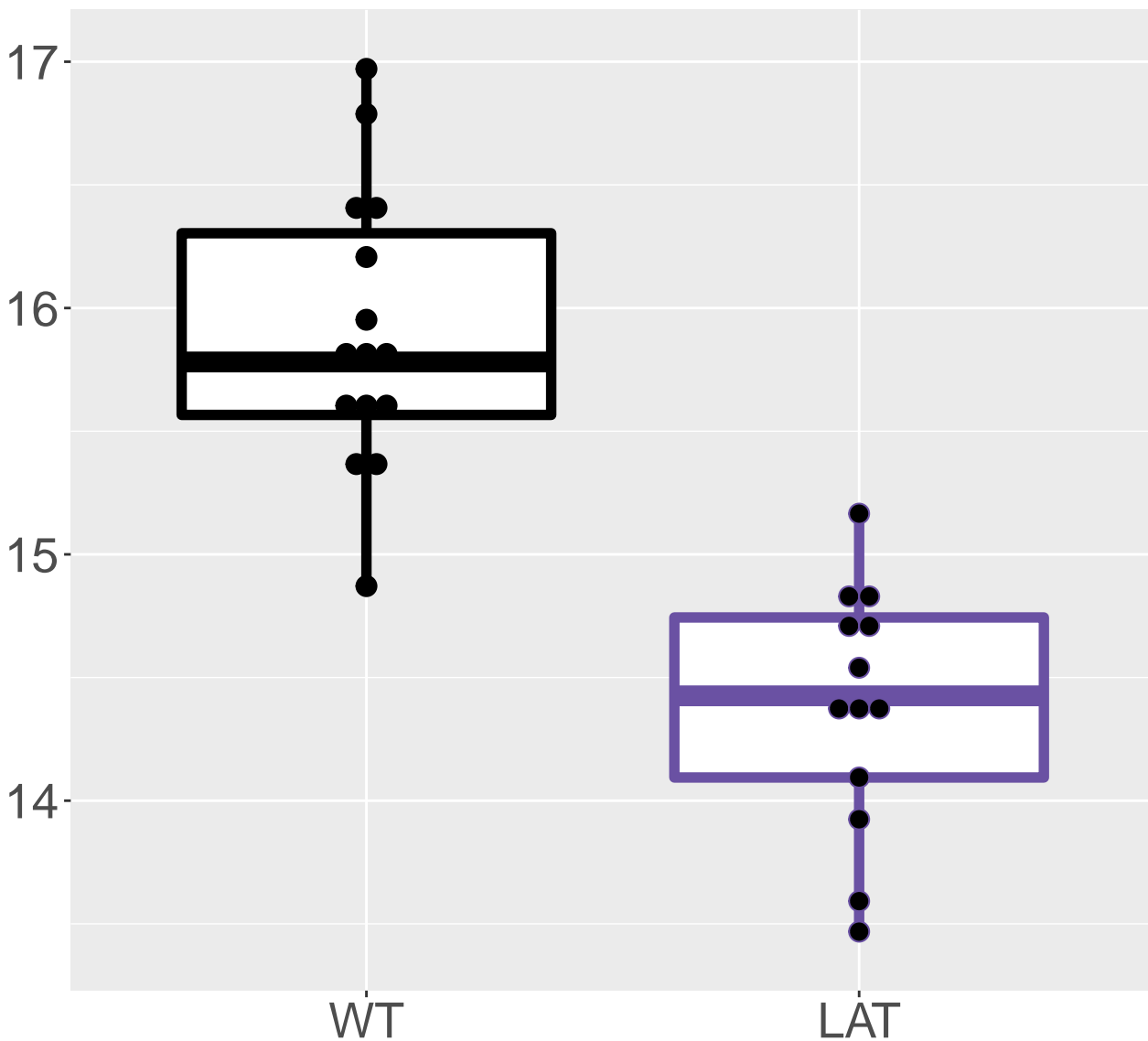
**M642.8303T352.62**

**FDR =  $2.3e-06$ , FC = -1.4**



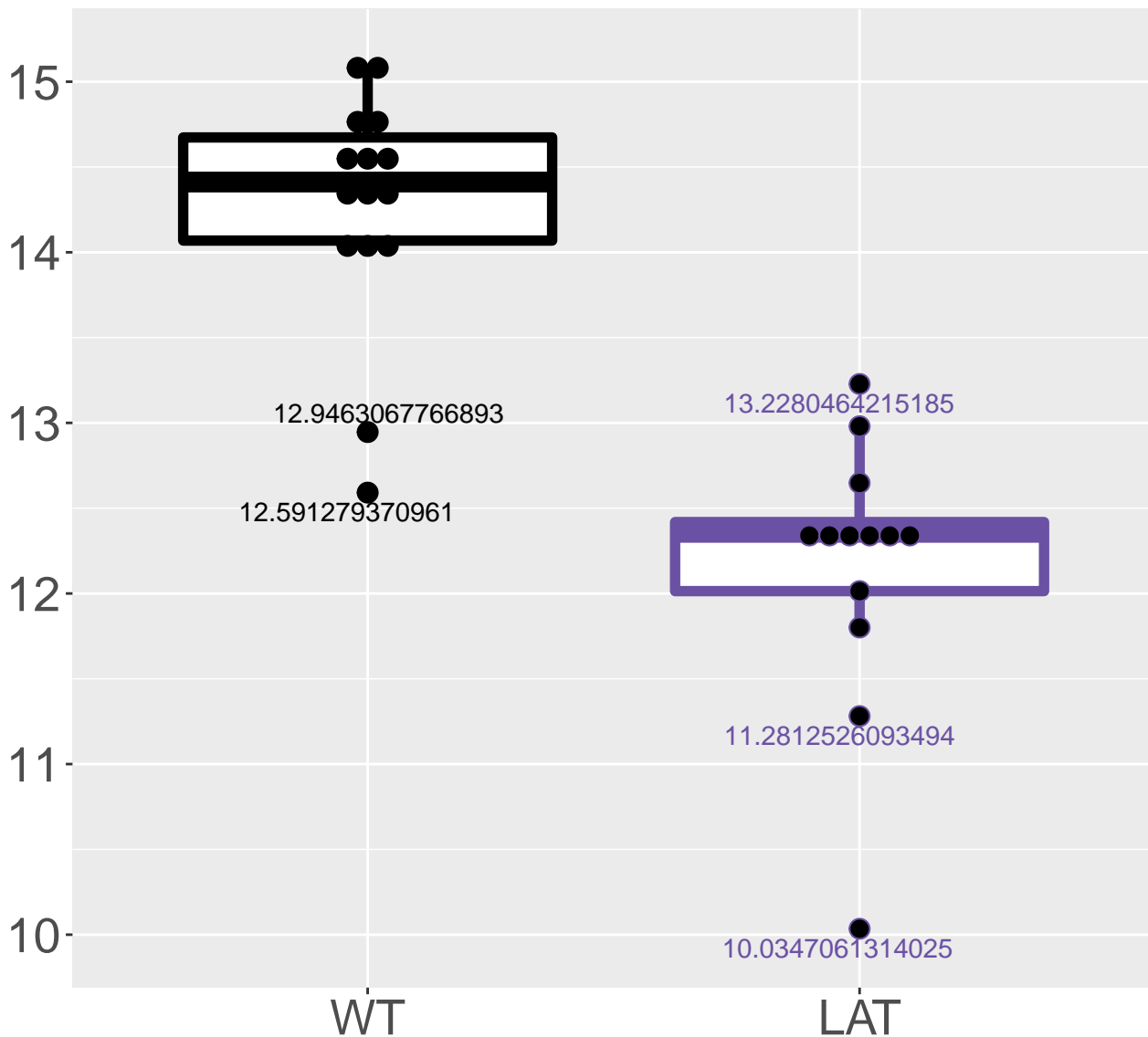
**M316.152T157.32\_1**

**FDR = 2.8e-06,  $\overline{FC} = -1.5$**



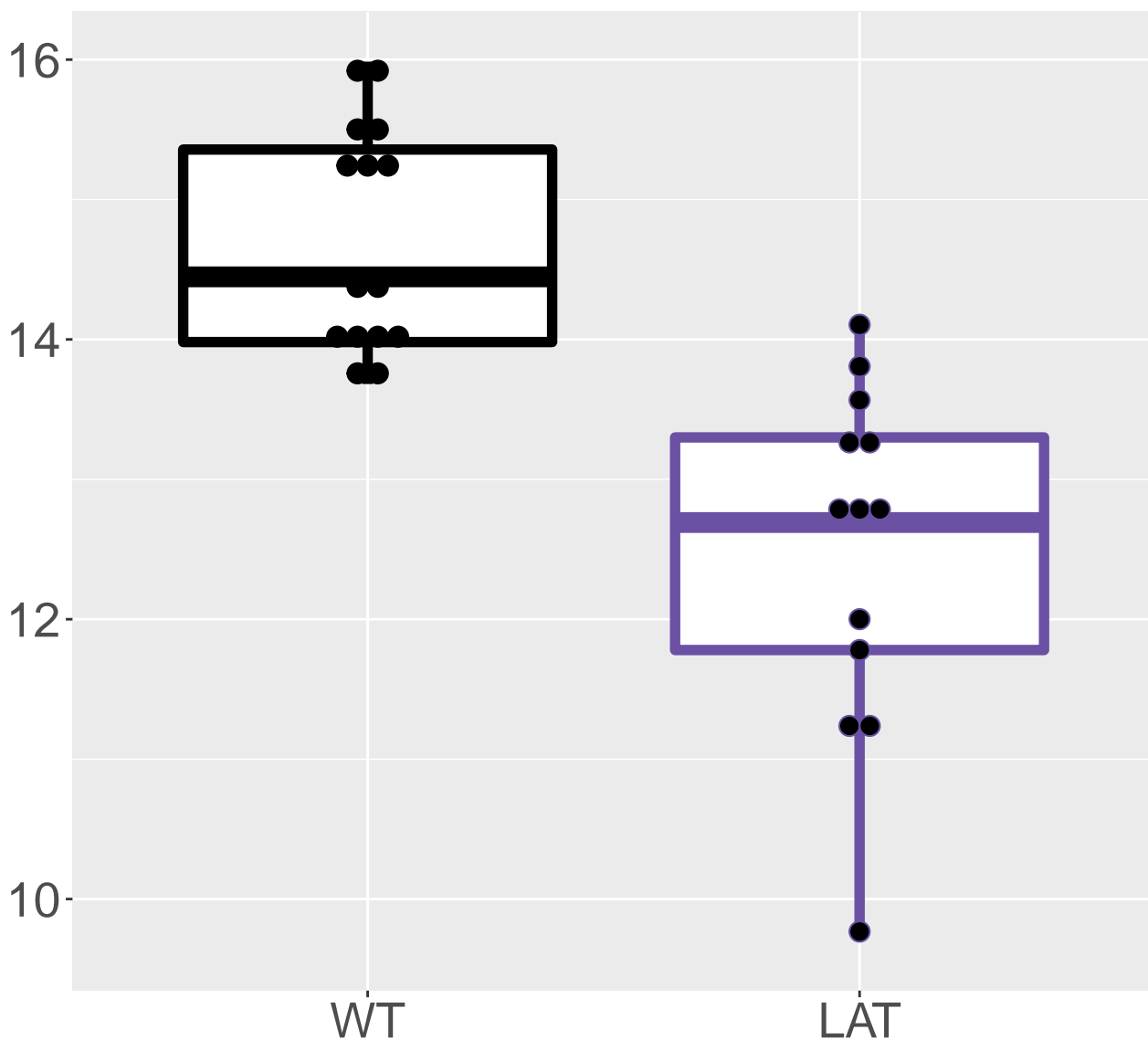
**M436.4118T338.88**

**FDR = 2.9e-06, FC = -2.1**



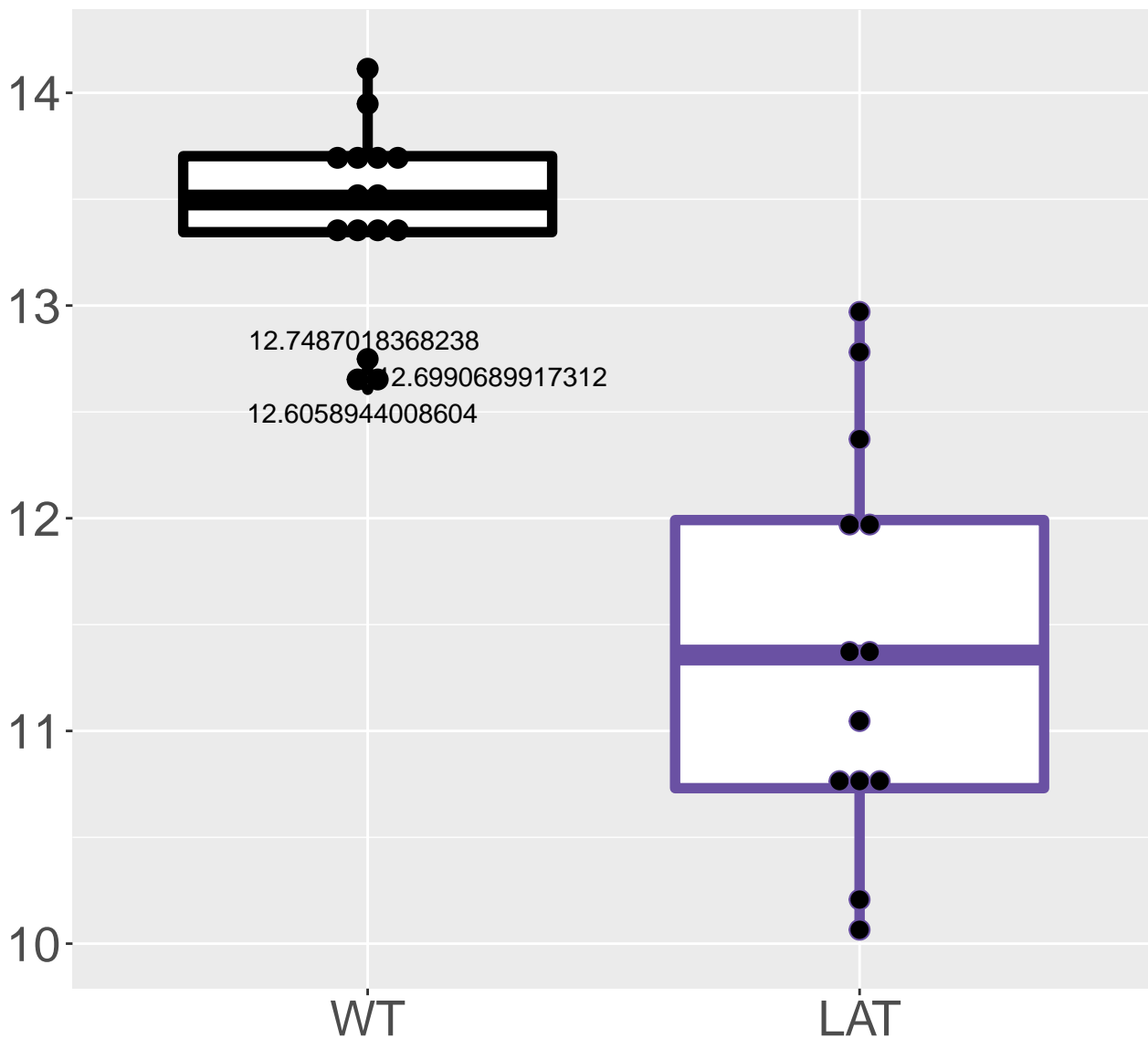
**M282.686T261.82\_1**

**FDR =  $3e-06$ , FC = -2.2, sex\***



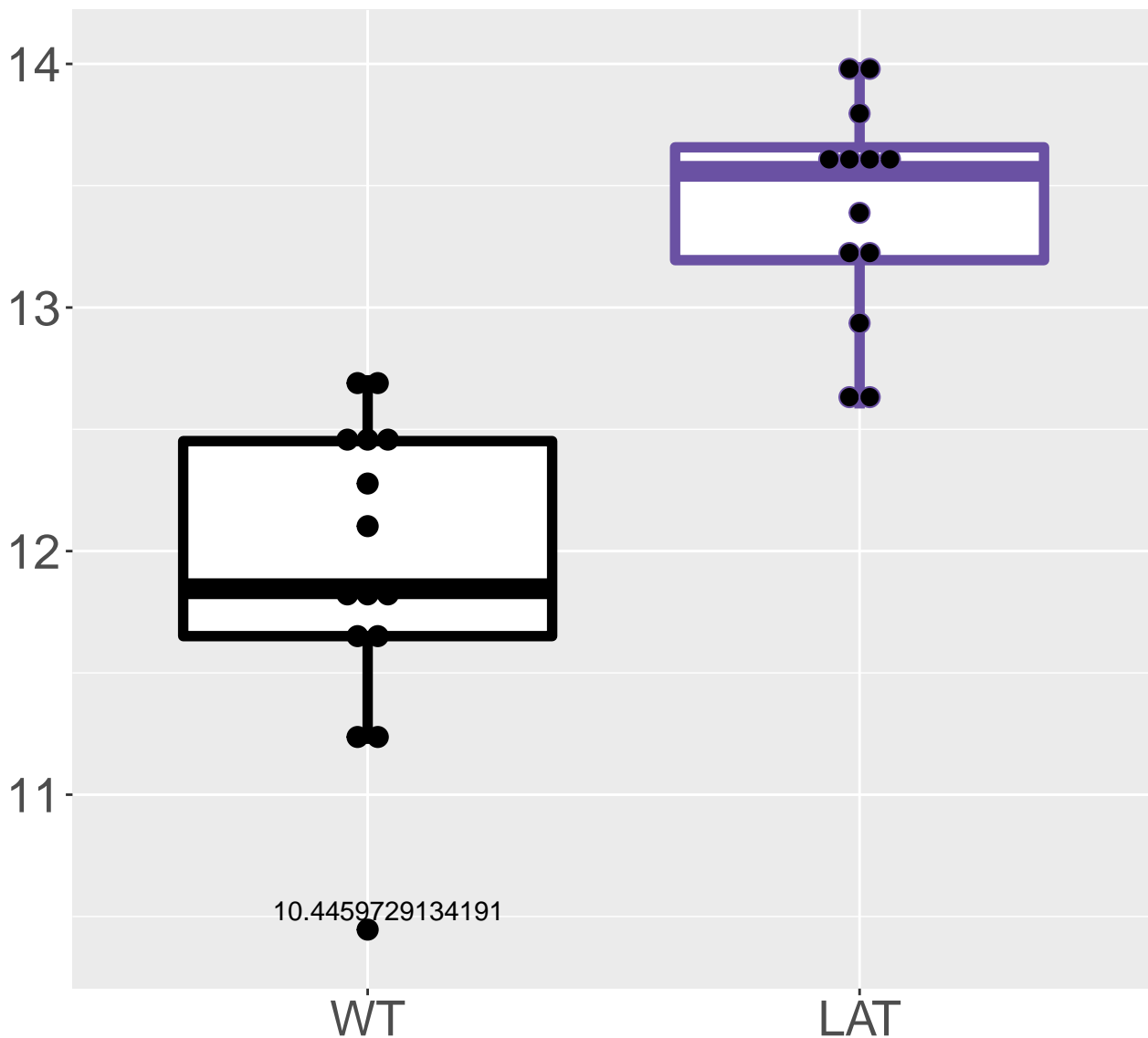
**M418.6971T235.43**

**FDR = 3e-06, FC = -2**

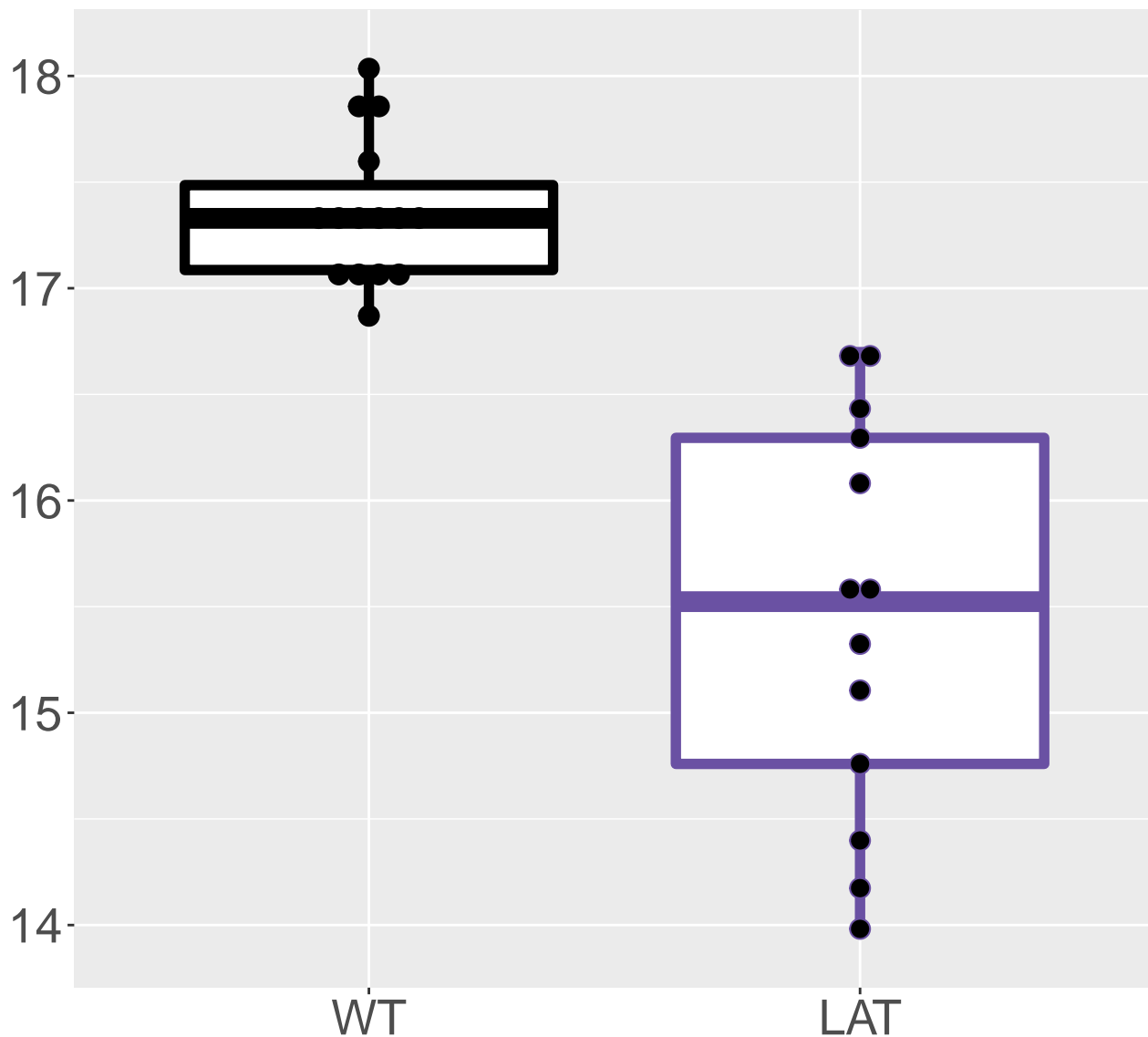


**M474.5047T250.97**

**FDR =  $3.2e-06$ , FC = 1.5**



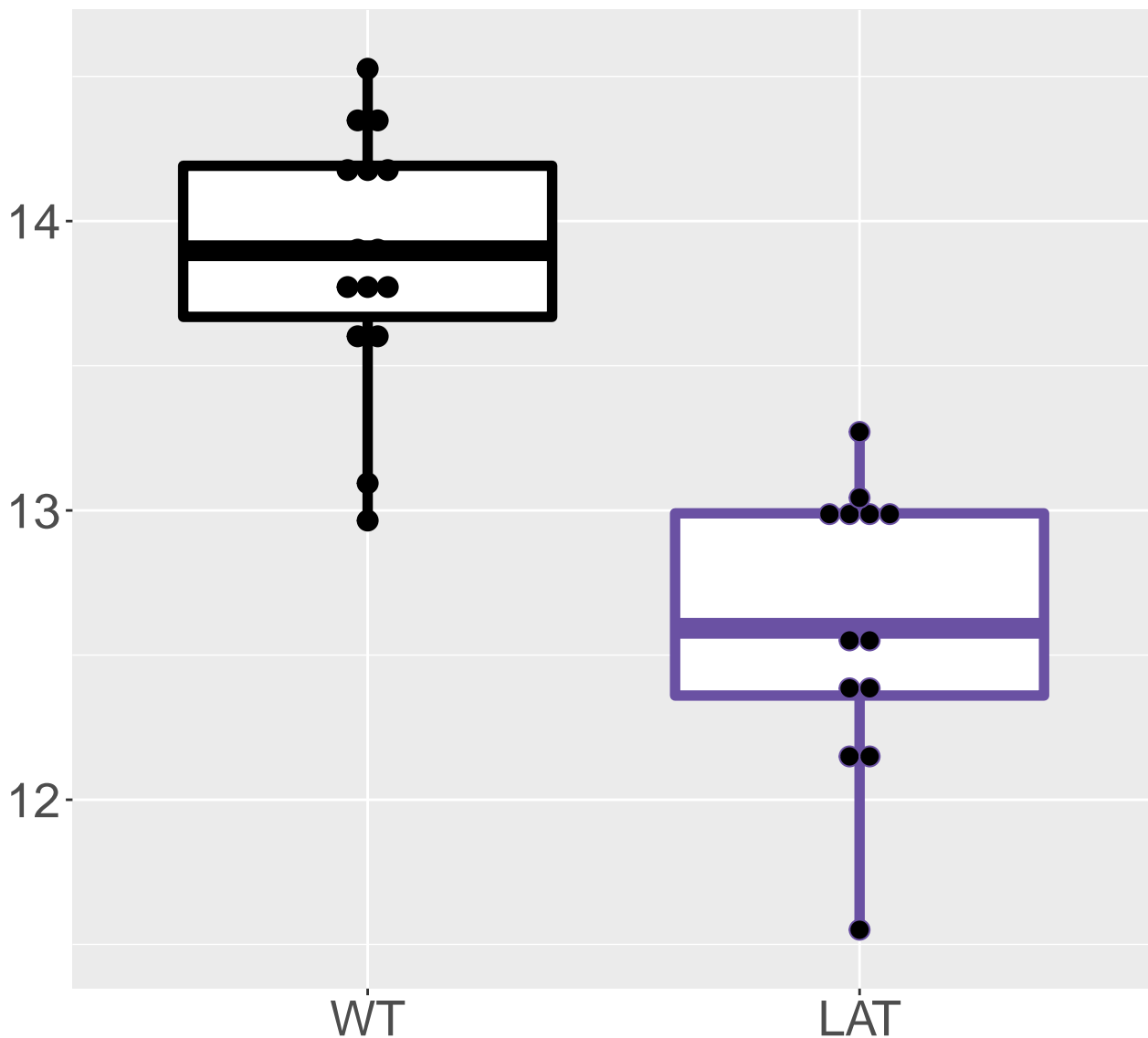
**M357.7147T300.04\_1**  
**FDR = 4e-06, FC = -1.9**





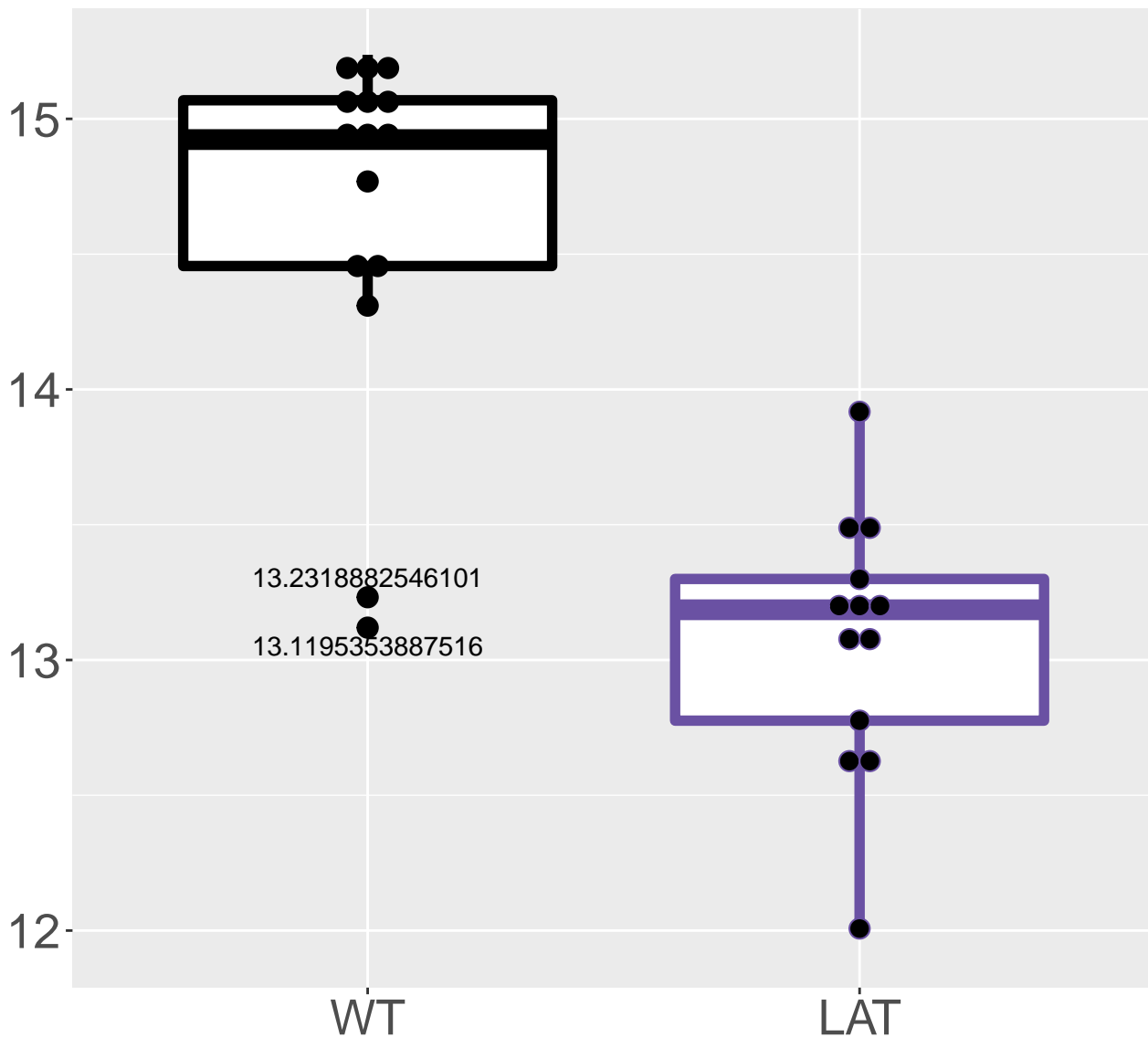
**M461.5121T252.29\_1**

**FDR =  $4.2\text{e-}06$ , FC =  $-1.3$**

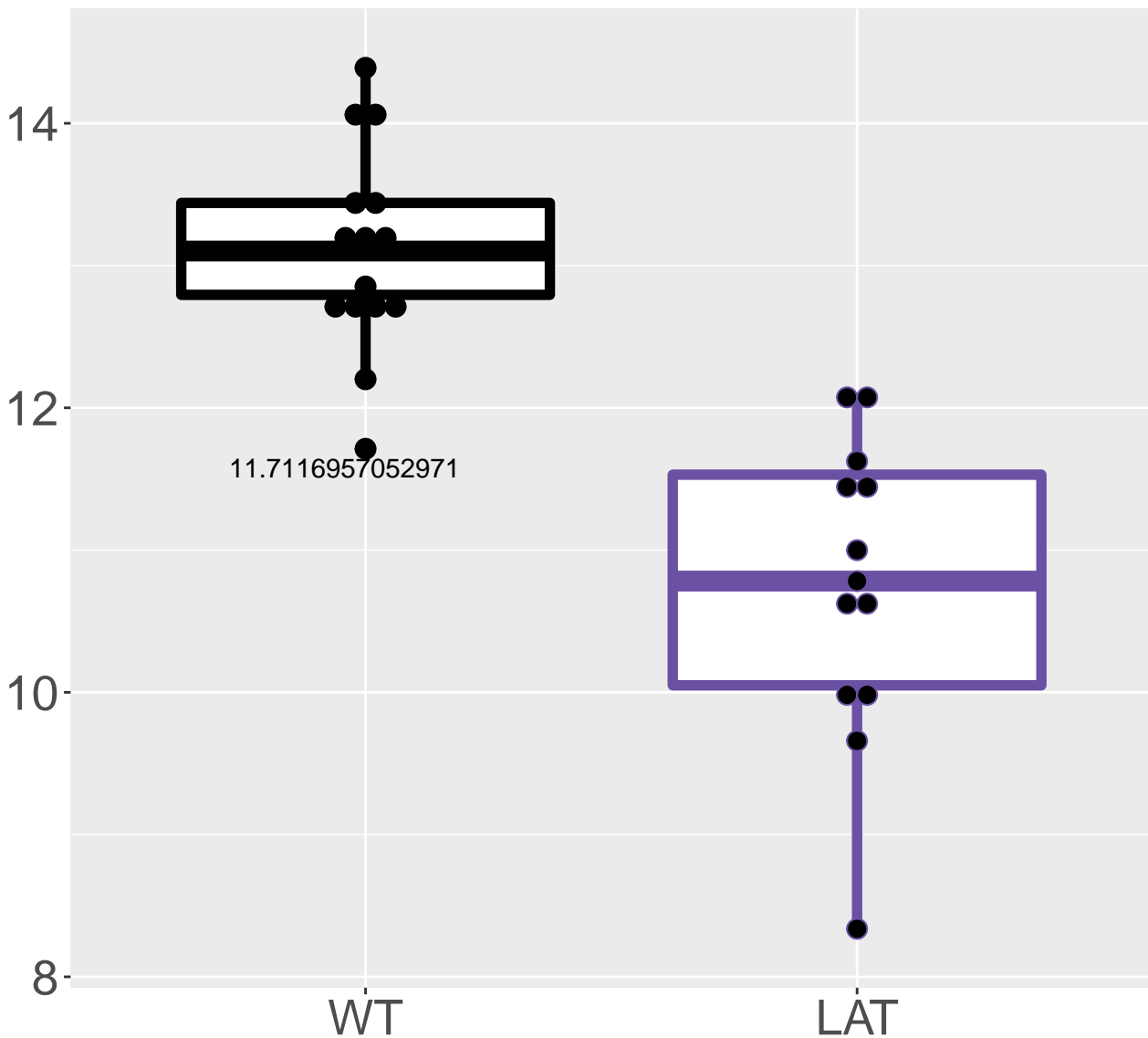


**M532.1231T310.34\_2**

**FDR =  $4.5e-06$ , FC =  $-1.6$**

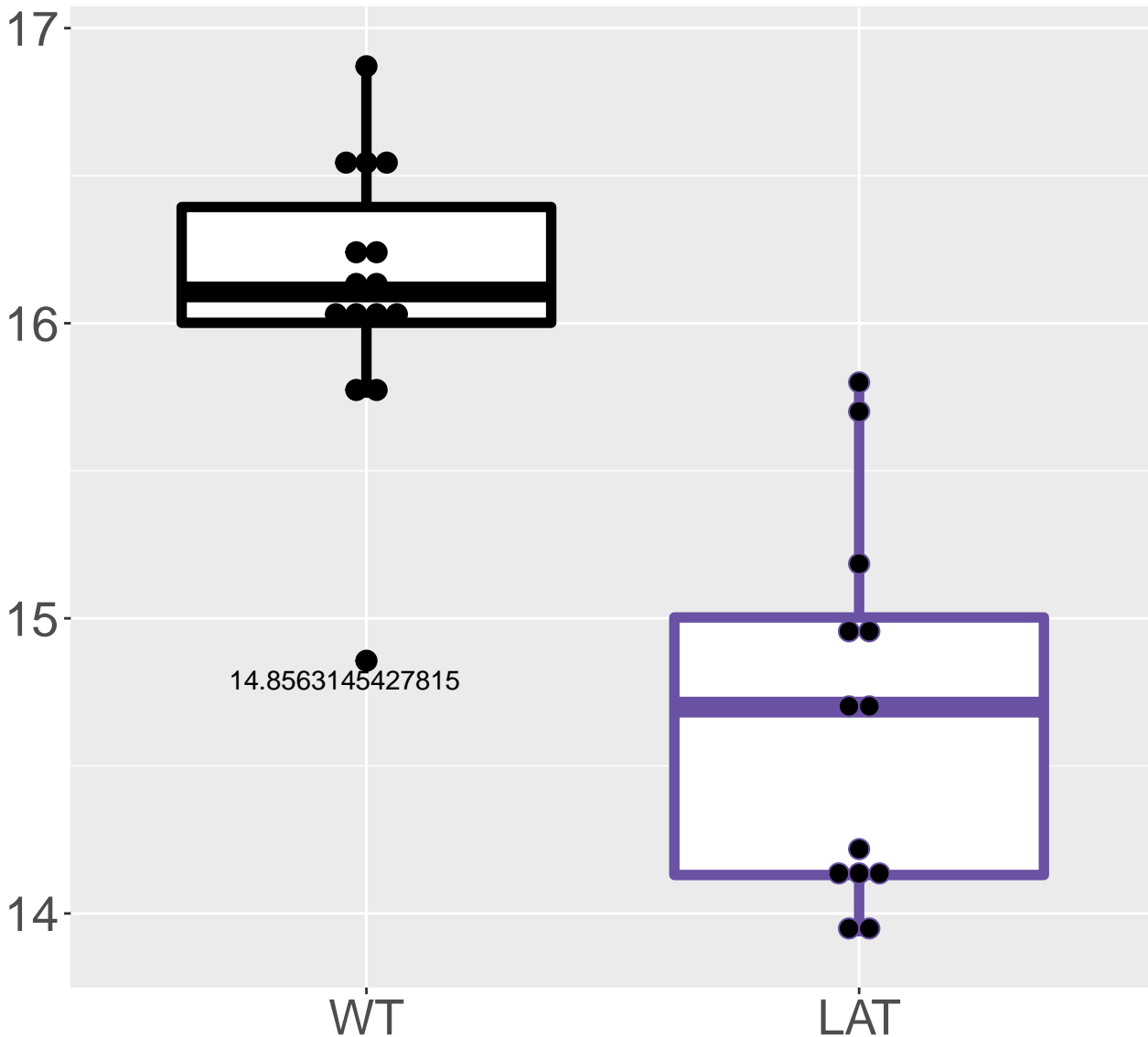


**M679.8703T275.65\_1**  
**FDR = 4.5e-06, FC = -2.4**



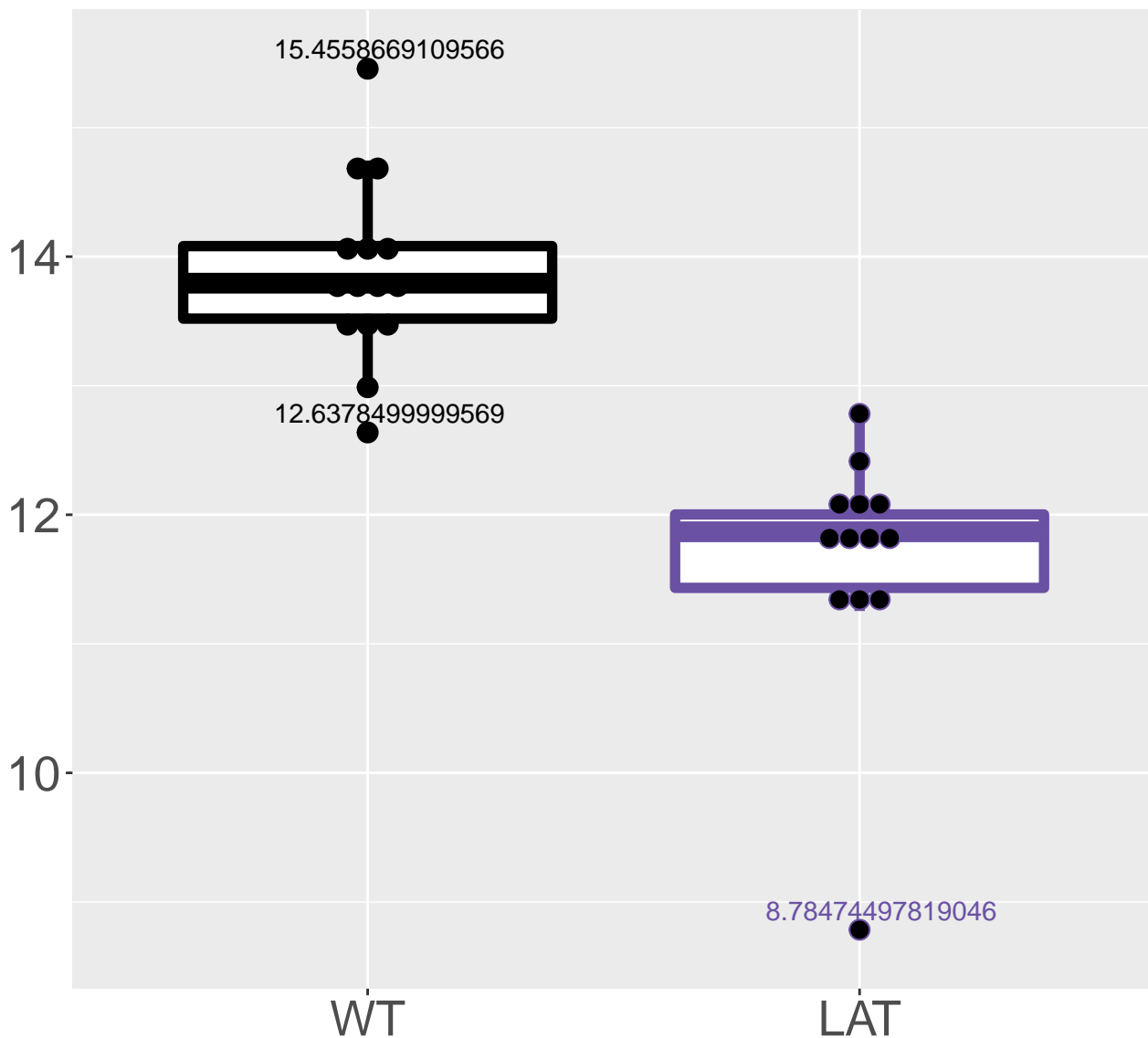
**M774.2701T66.92**

**FDR =  $4.5e-06$ , FC =  $-1.5$**

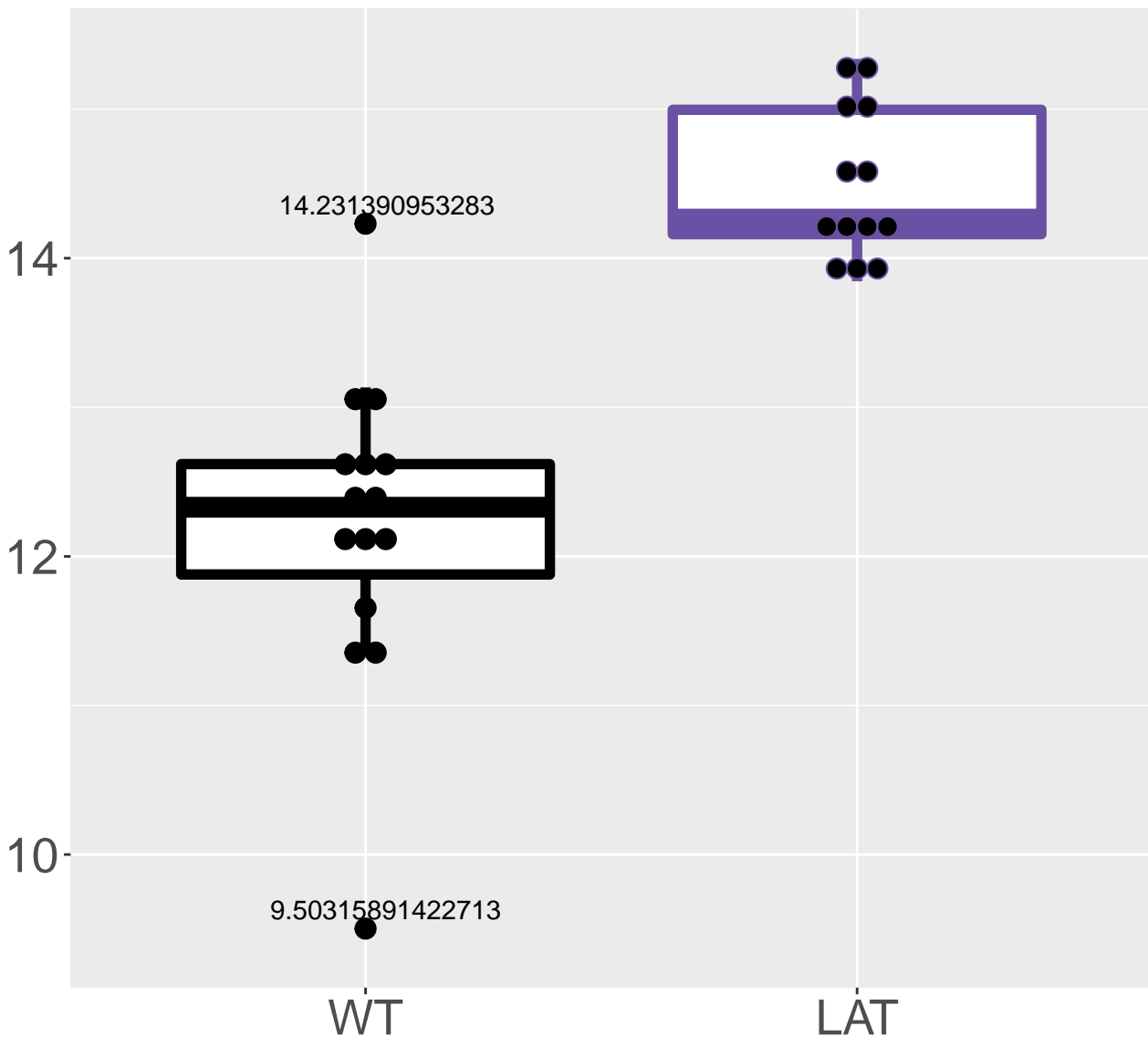


**M680.1212T275.87\_2**

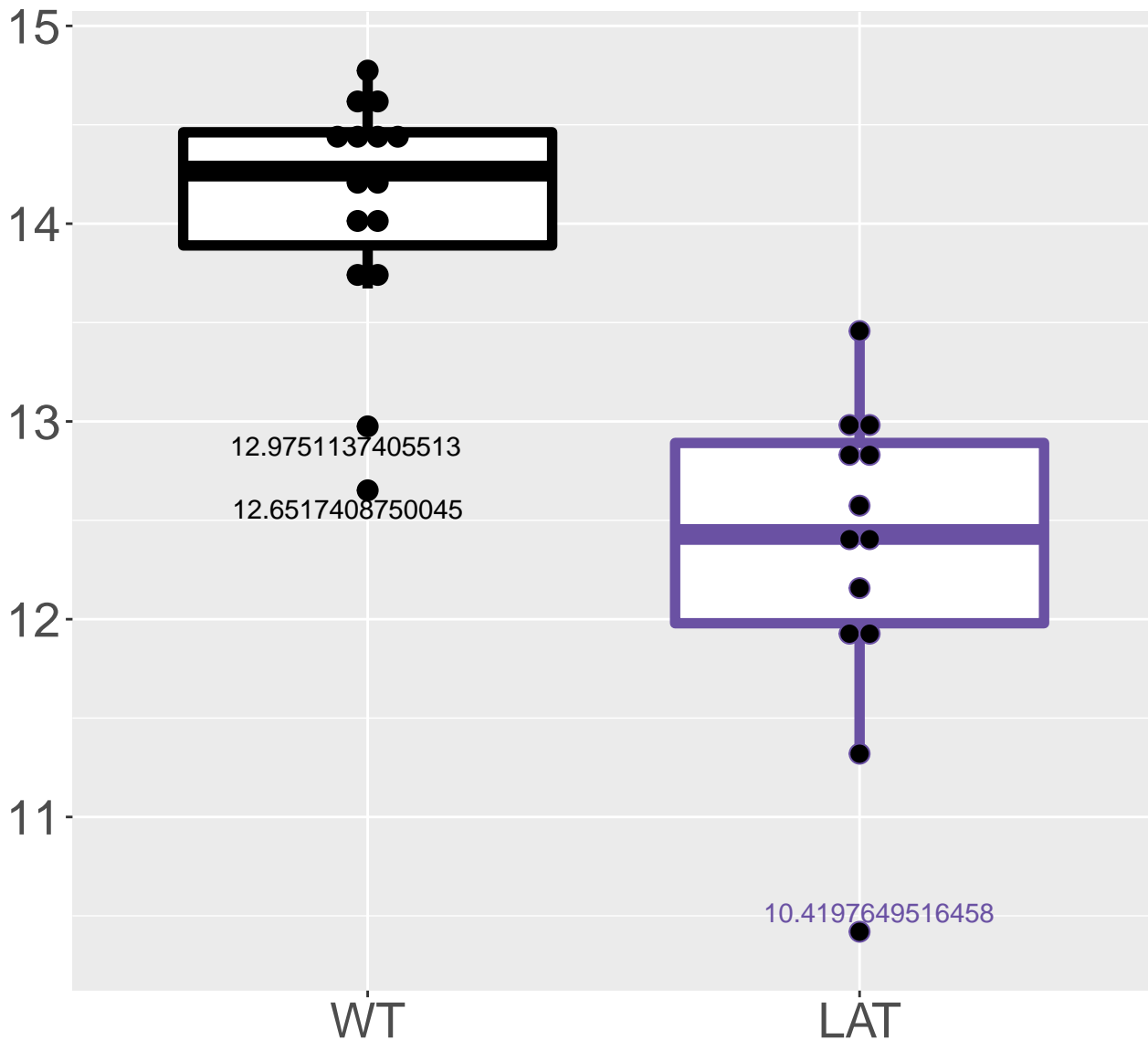
**FDR = 4.8e-06, FC = -2.2**



**M360.9902T249.3**  
**FDR = 5e-06, FC = 2.3**

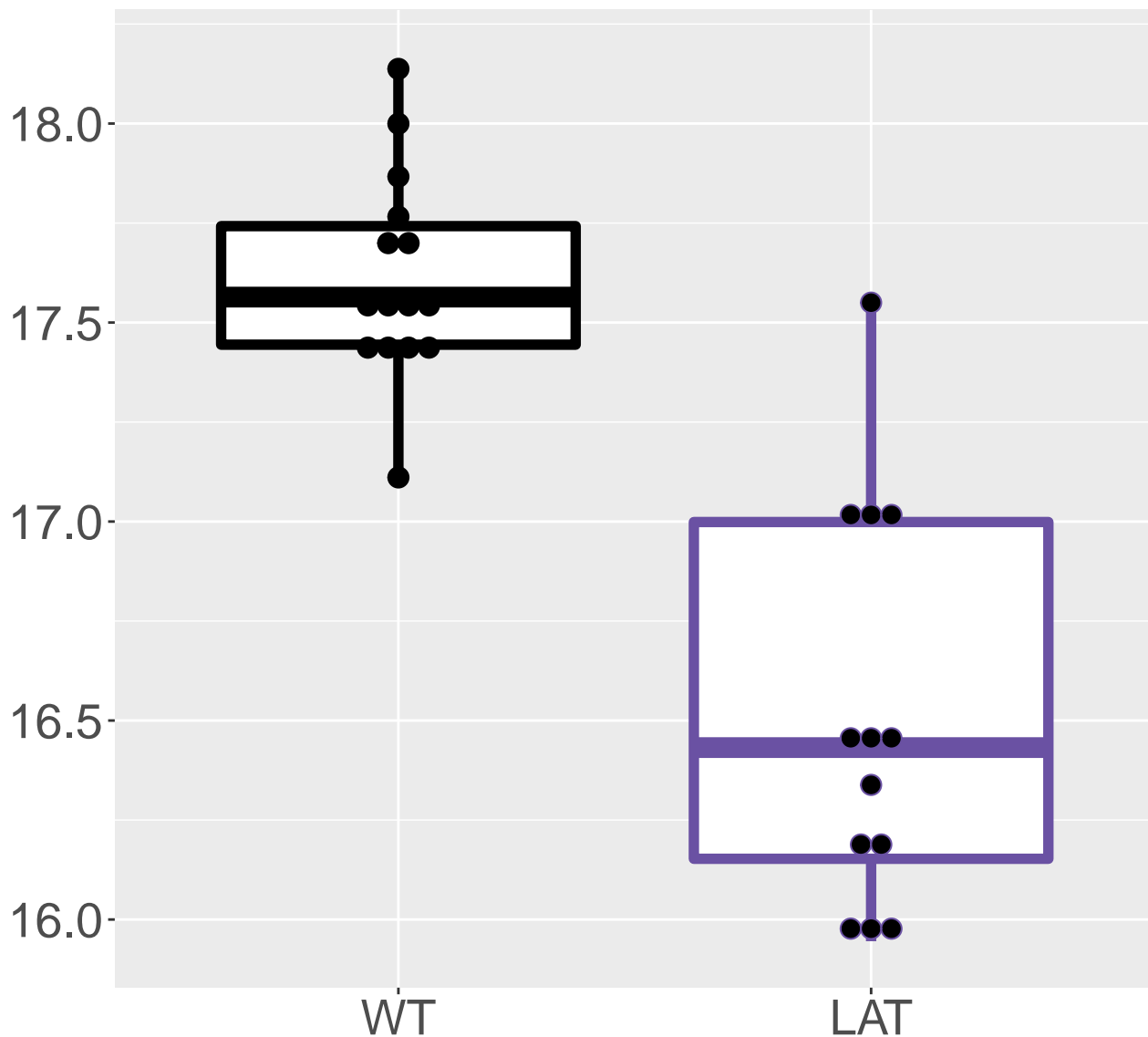


**M638.3453T310.25**  
**FDR = 5e-06, FC = -1.8**



**M524.1997T66.63**

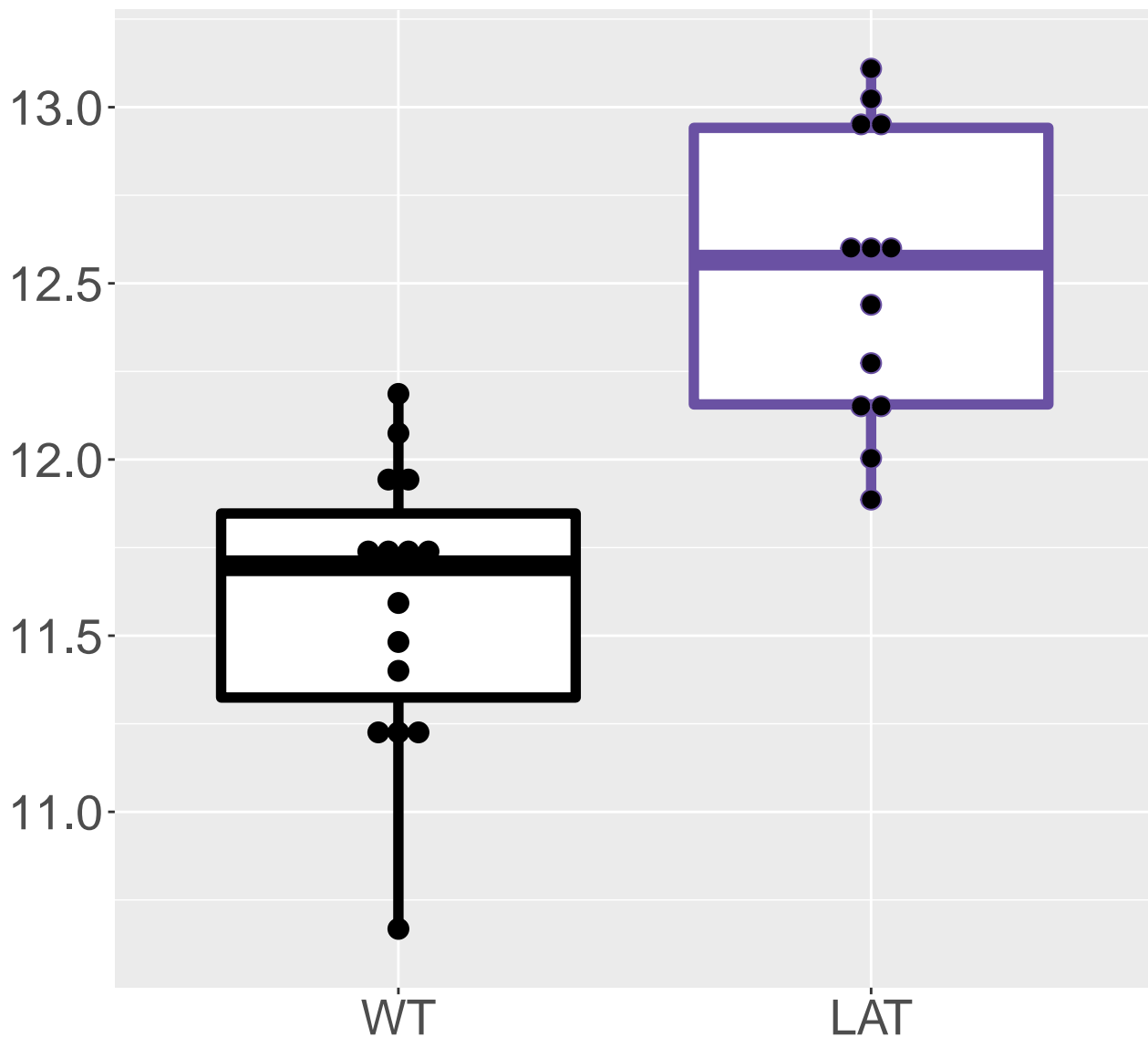
**FDR = 5e-06, FC = -1.1**





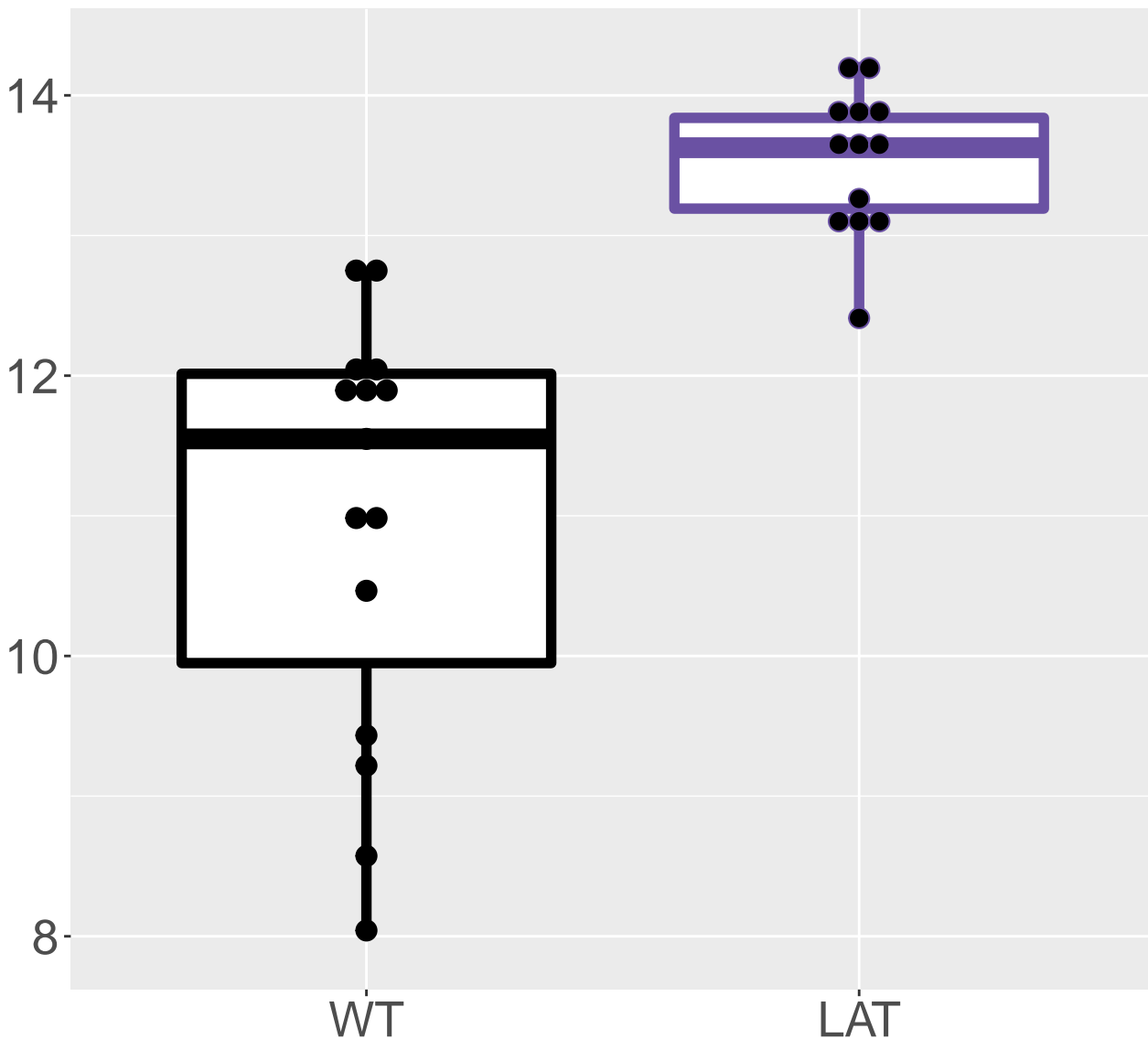
**M540.2333T215.71**

**FDR = 5e-06, FC = 0.92, sex\***



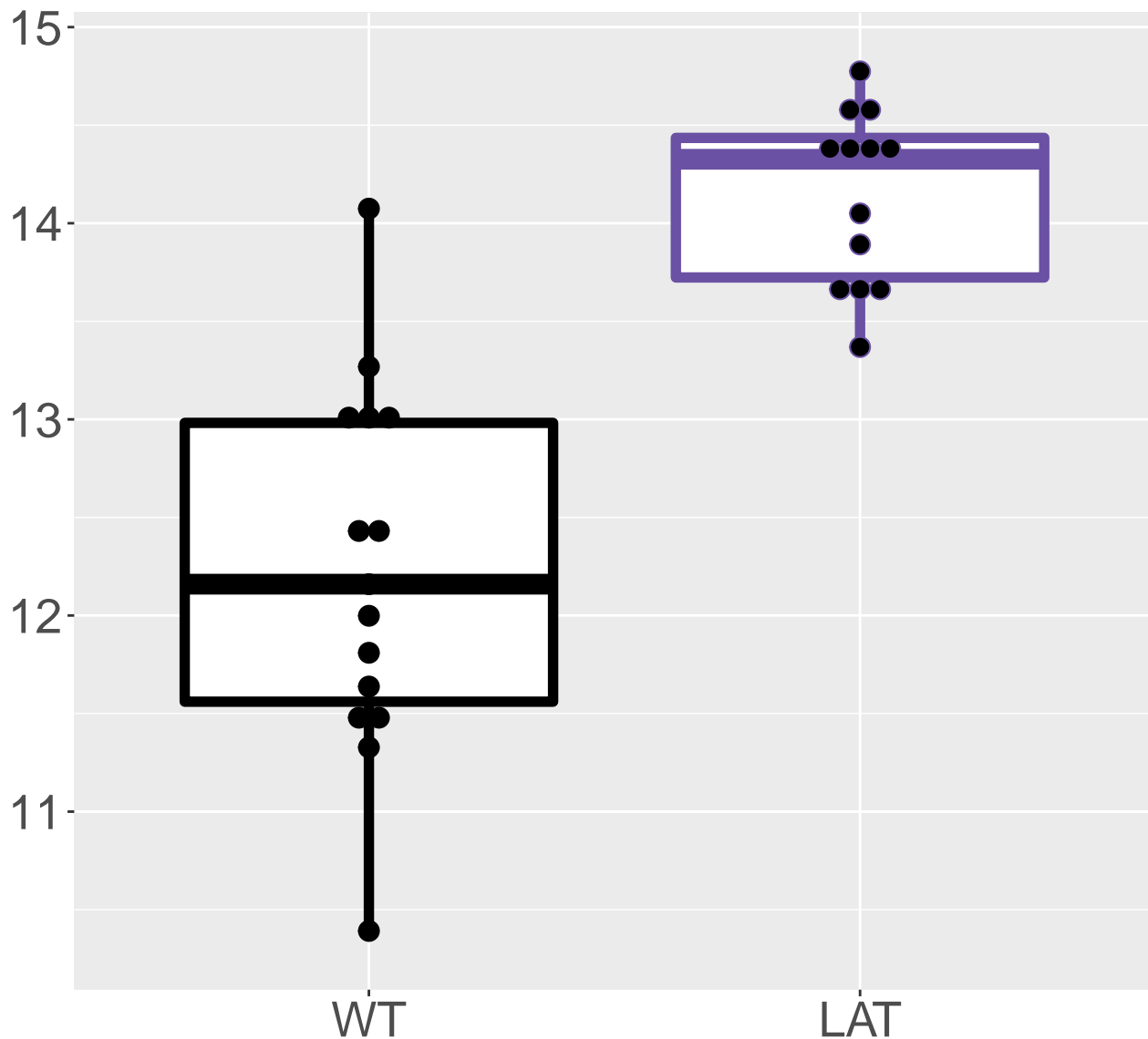
**M314.6884T143.91**

**FDR = 5.6e-06, FC = 2.6, sex\***



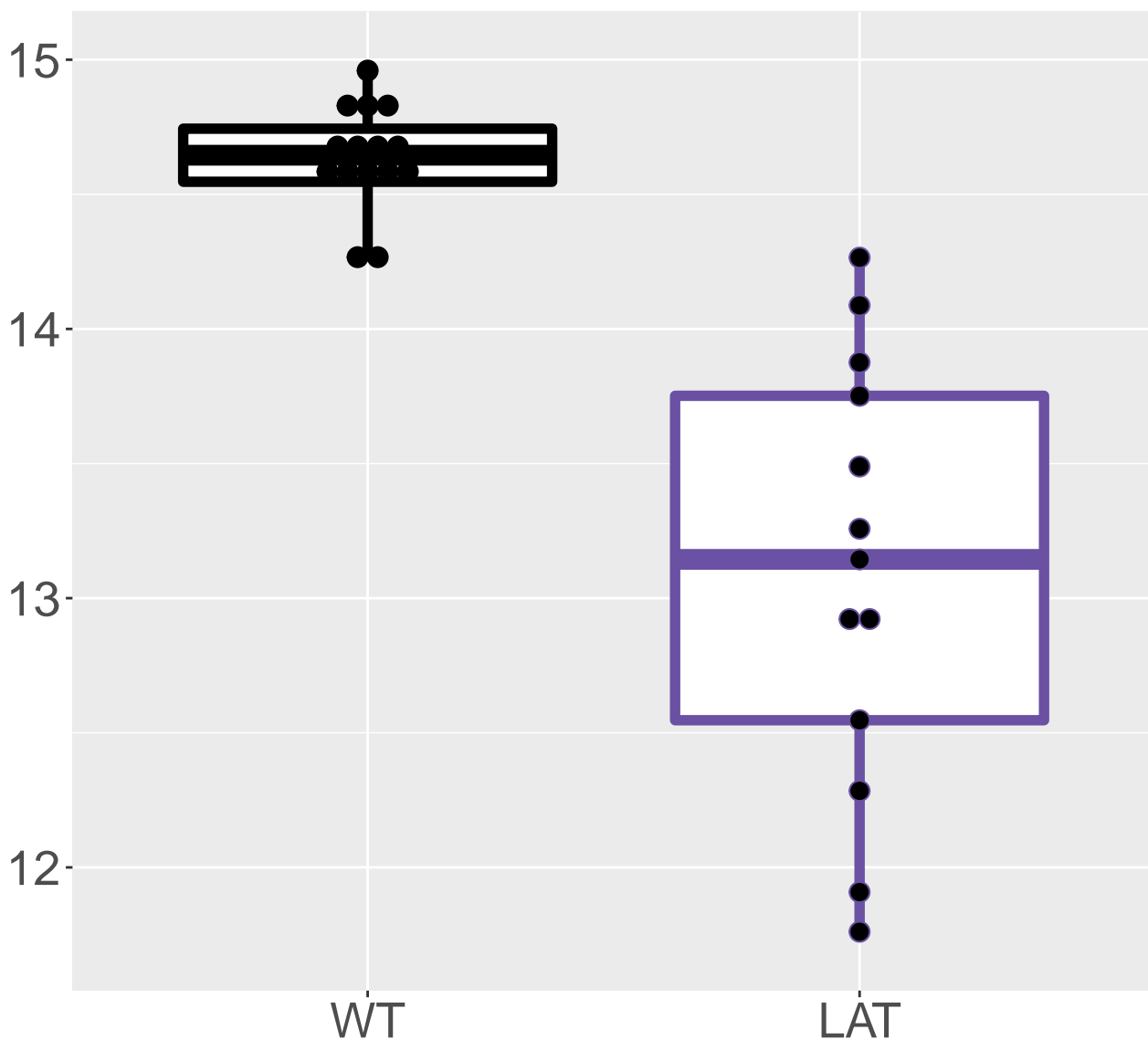
**M572.5245T194.66**

**FDR =  $5.7\text{e-}06$ , FC = 1.9**



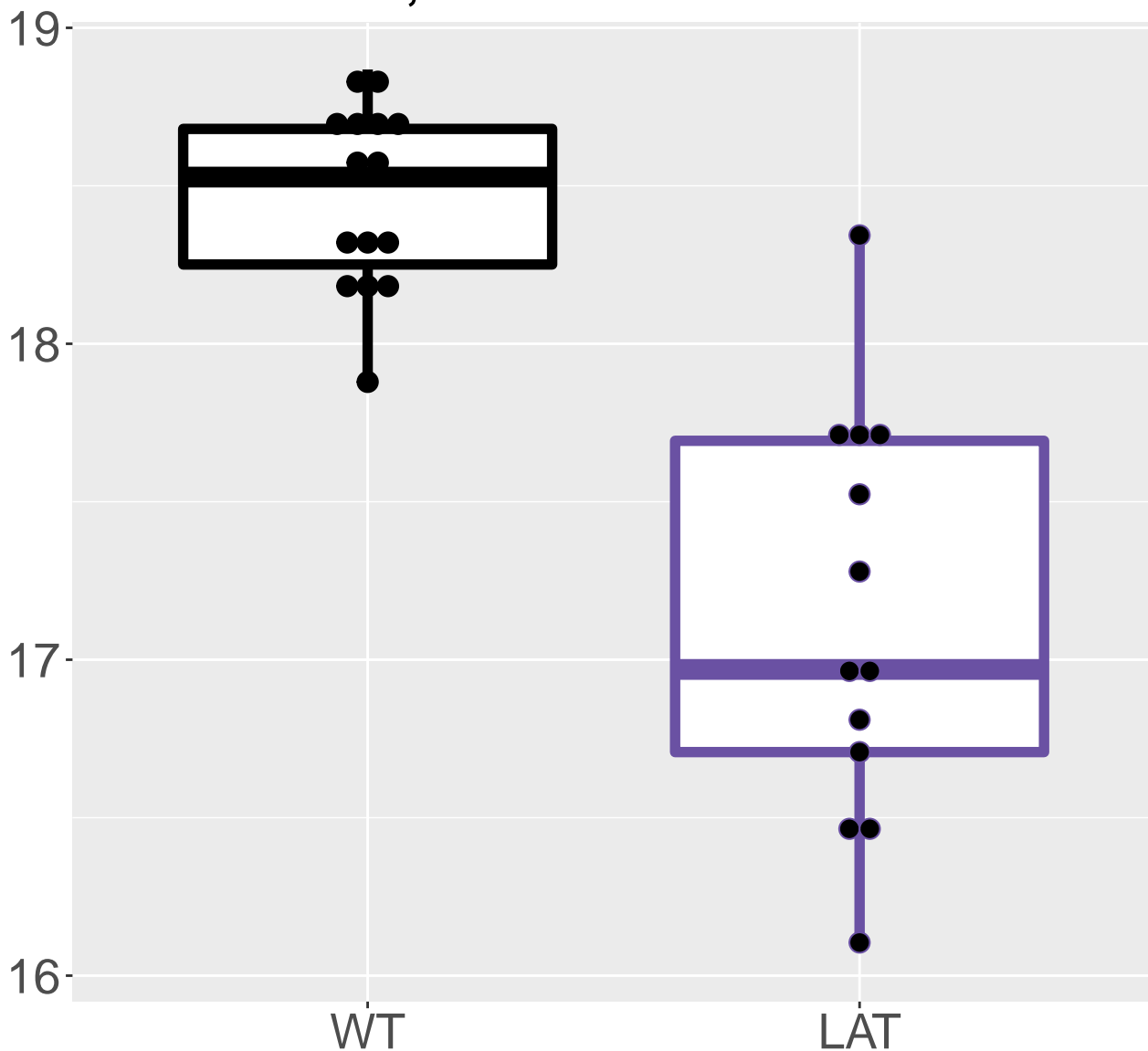
**M303.6859T238.7**

**FDR =  $6.3e-06$ , FC = -1.5**



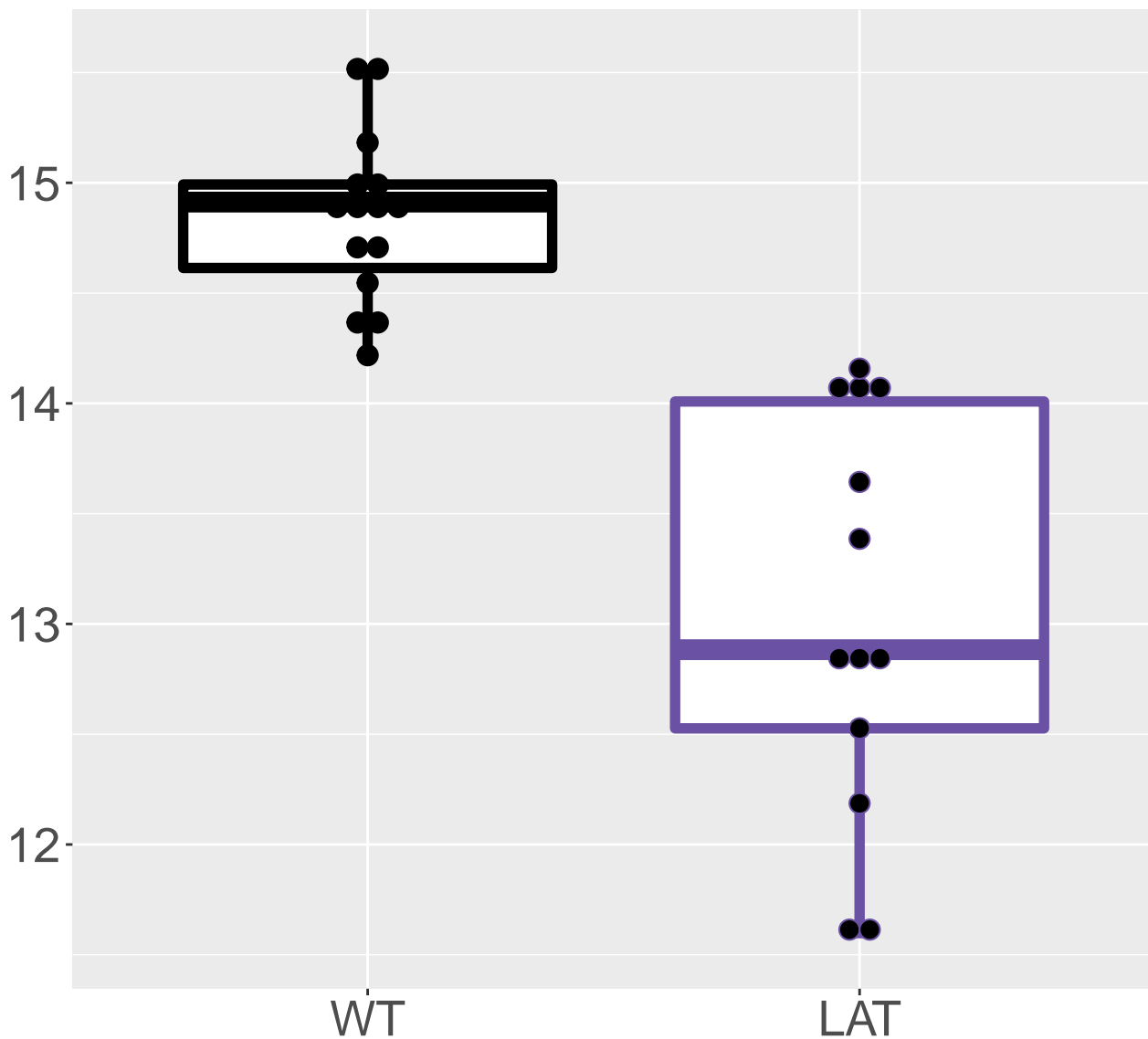
**M623.2618T52.89**

**FDR =  $6.3e-06$ , FC =  $-1.3$**



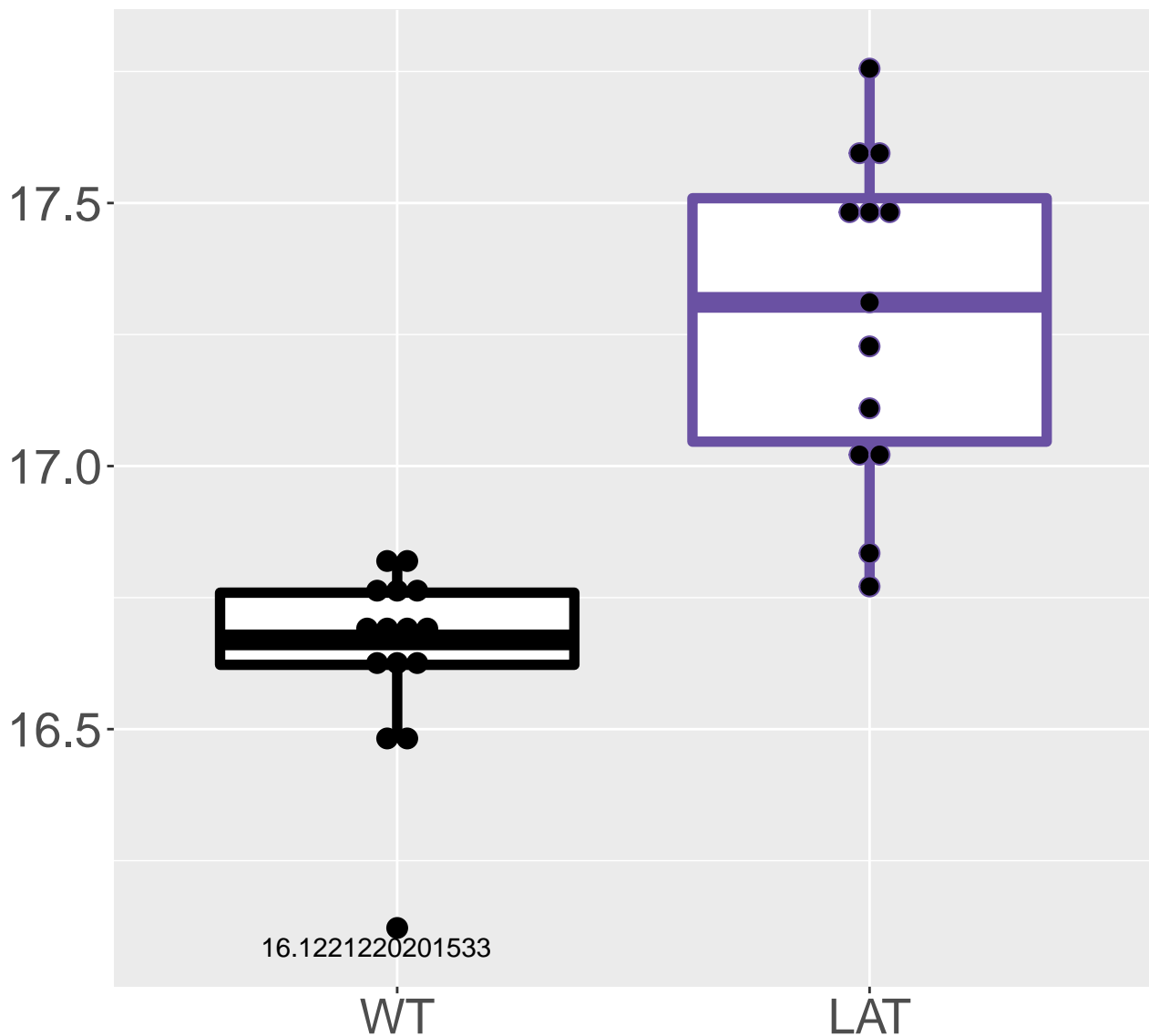
**M426.8958T272.88\_2**

**FDR = 6.6e-06, FC = -1.8**



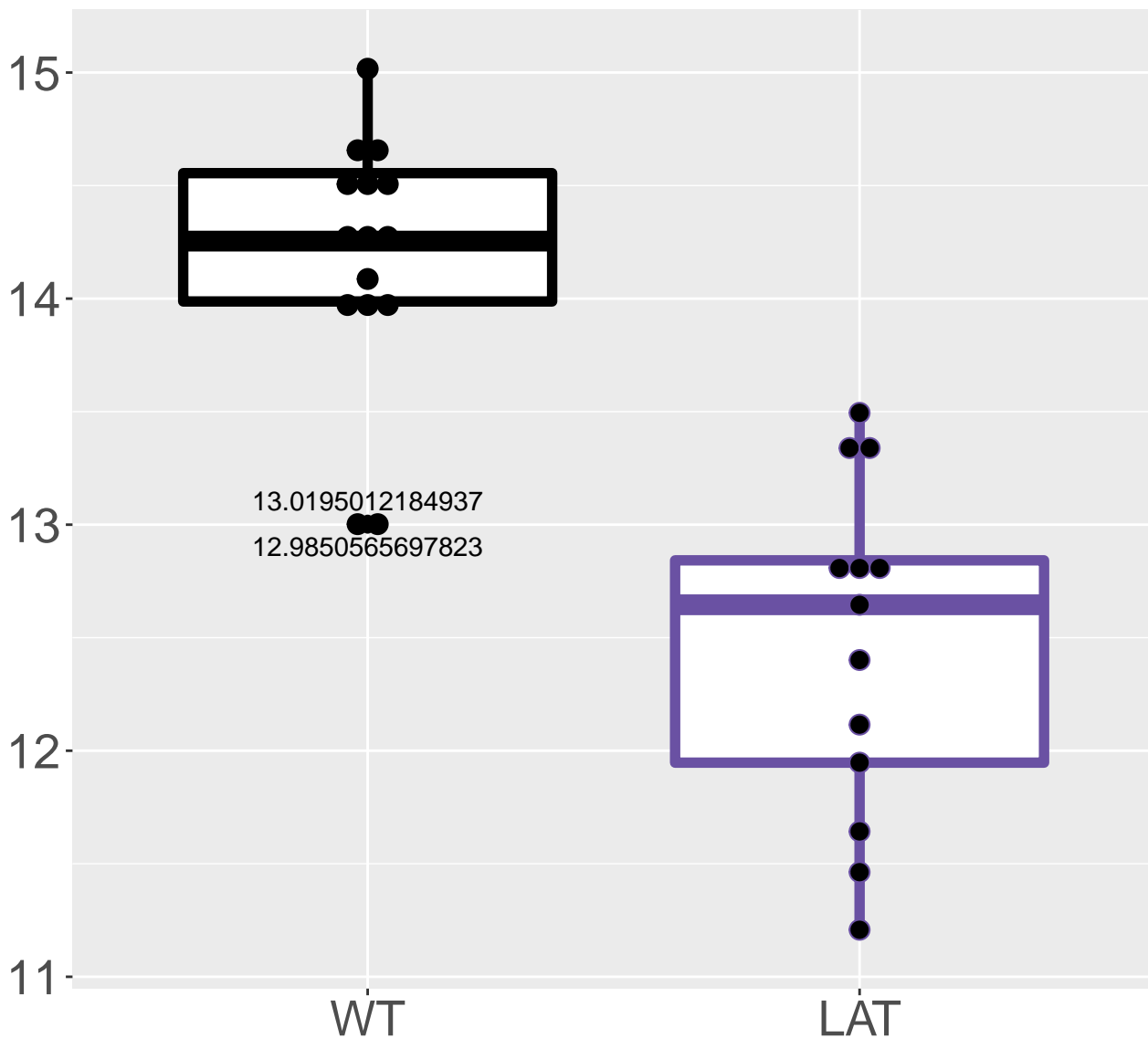
**M324.0606T50.45**

**FDR = 6.7e-06, FC = 0.64, sex\***



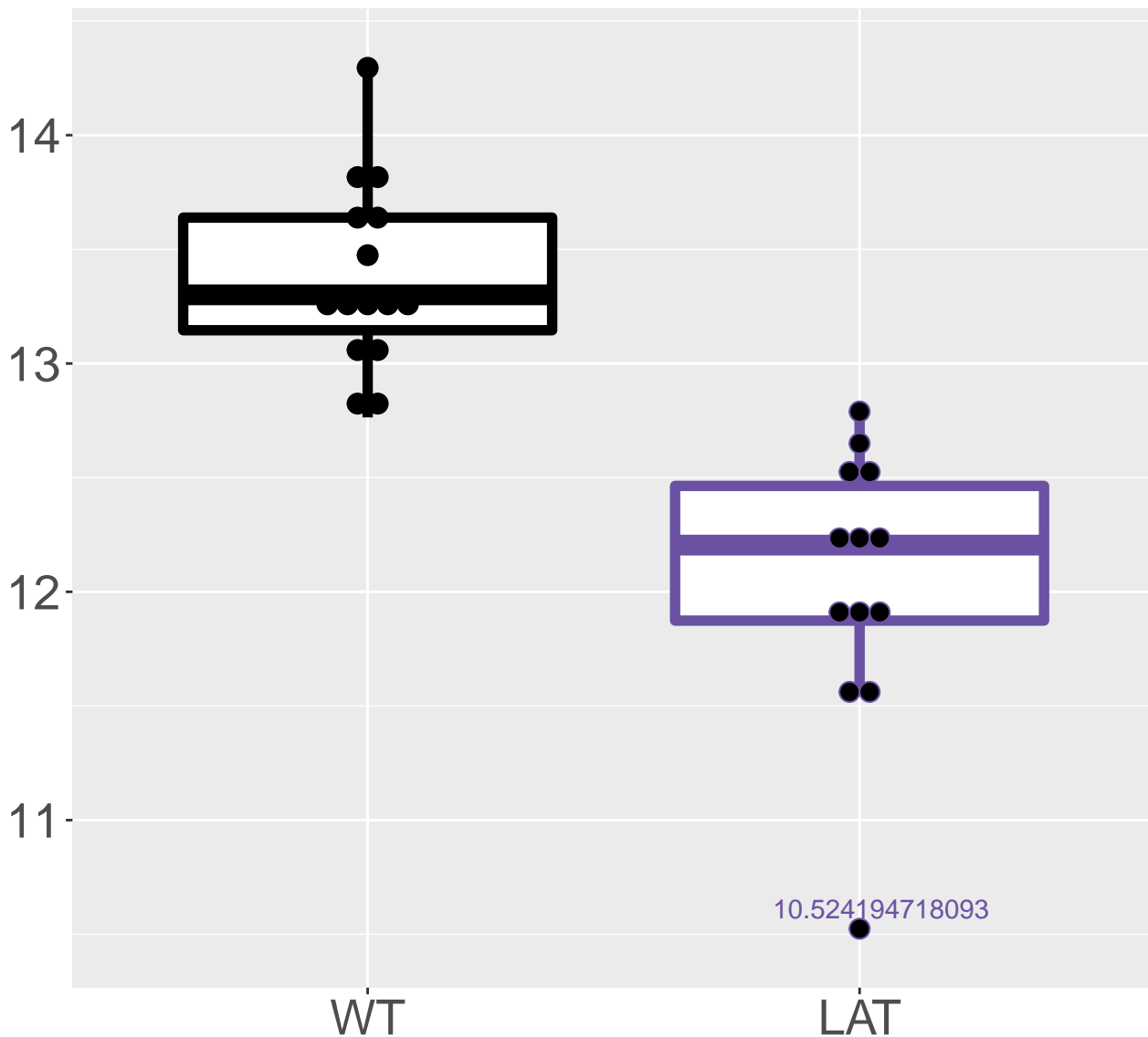
**M351.6969T266.29**

**FDR =  $7.3e-06$ , FC =  $-1.7$**





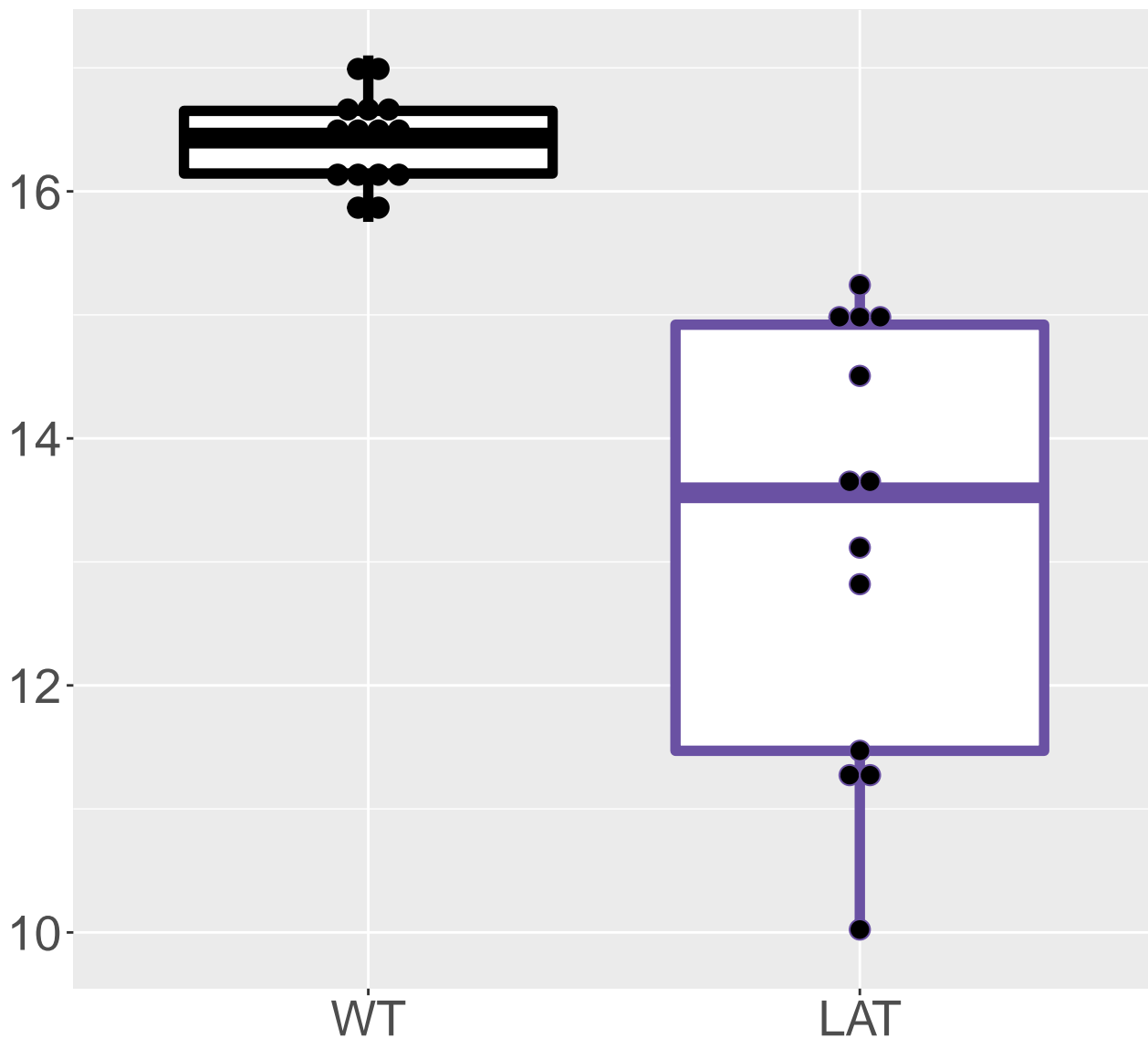
**M442.2518T262.22\_3**  
**FDR =  $7.3e-06$ , FC =  $-1.3$**





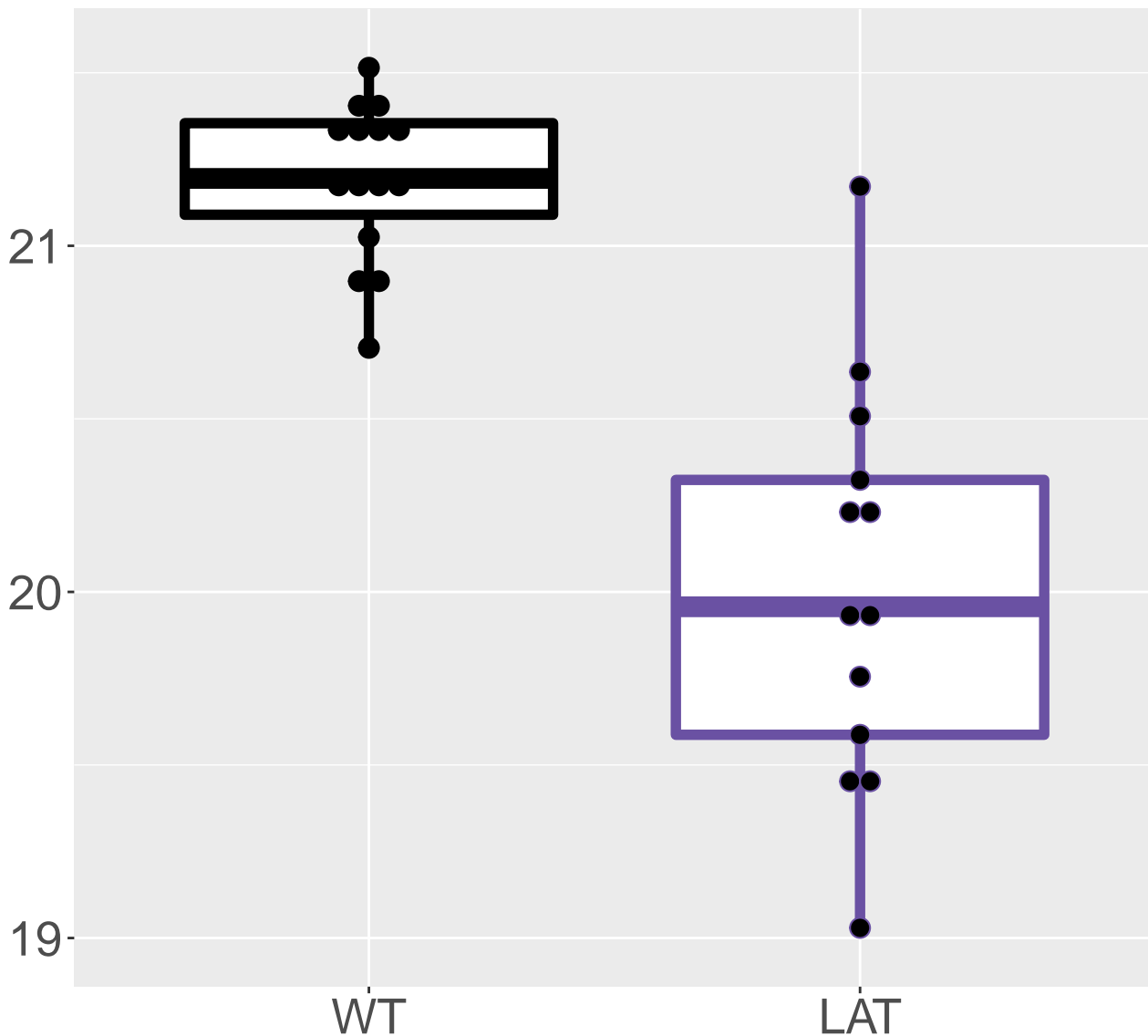
**M278.1579T161.76\_1**

**FDR =  $7.4e-06$ , FC =  $-3.2$**



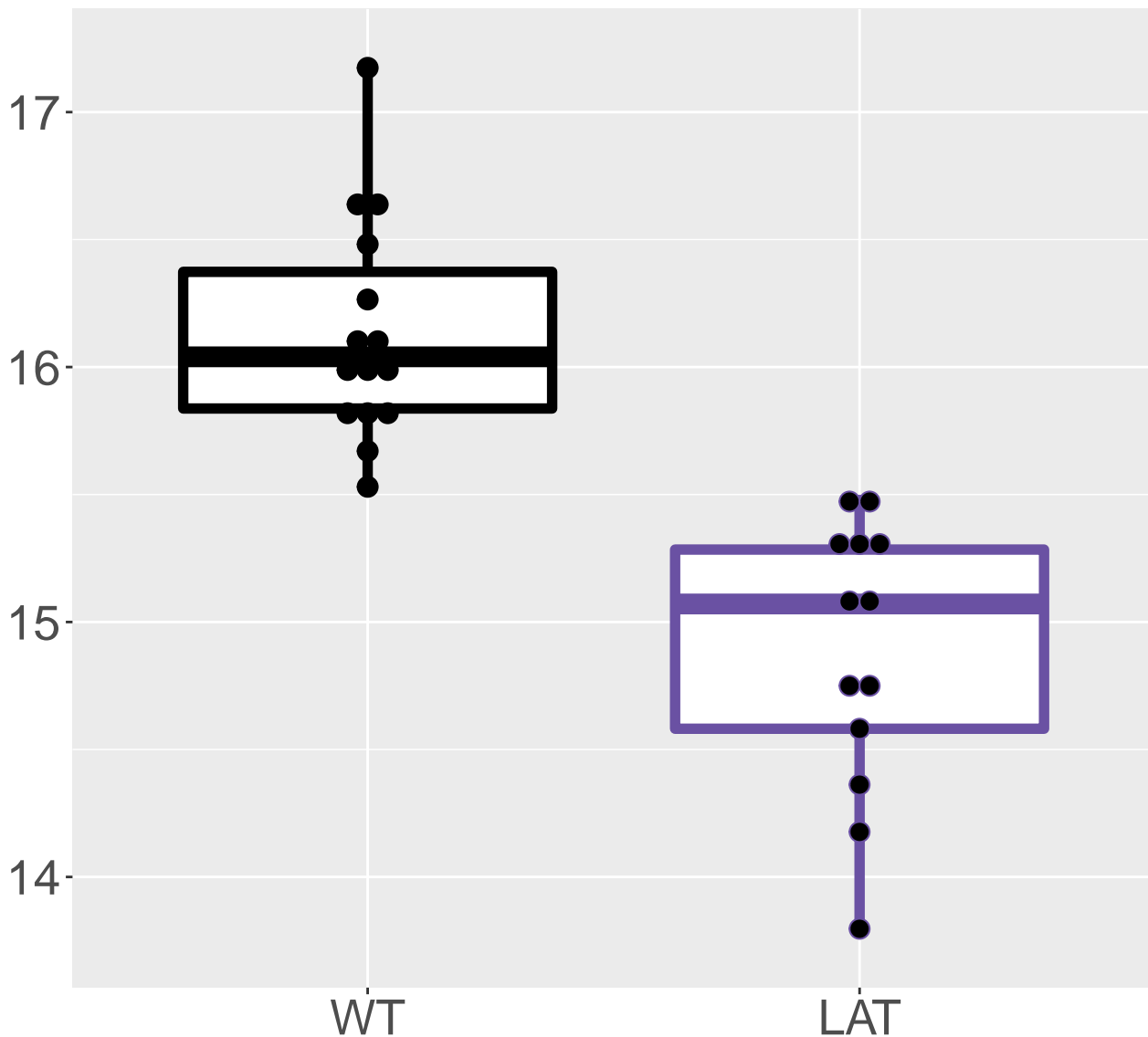
**M460.2048T52.85**

**FDR =  $7.7\text{e-}06$ , FC =  $-1.2$**



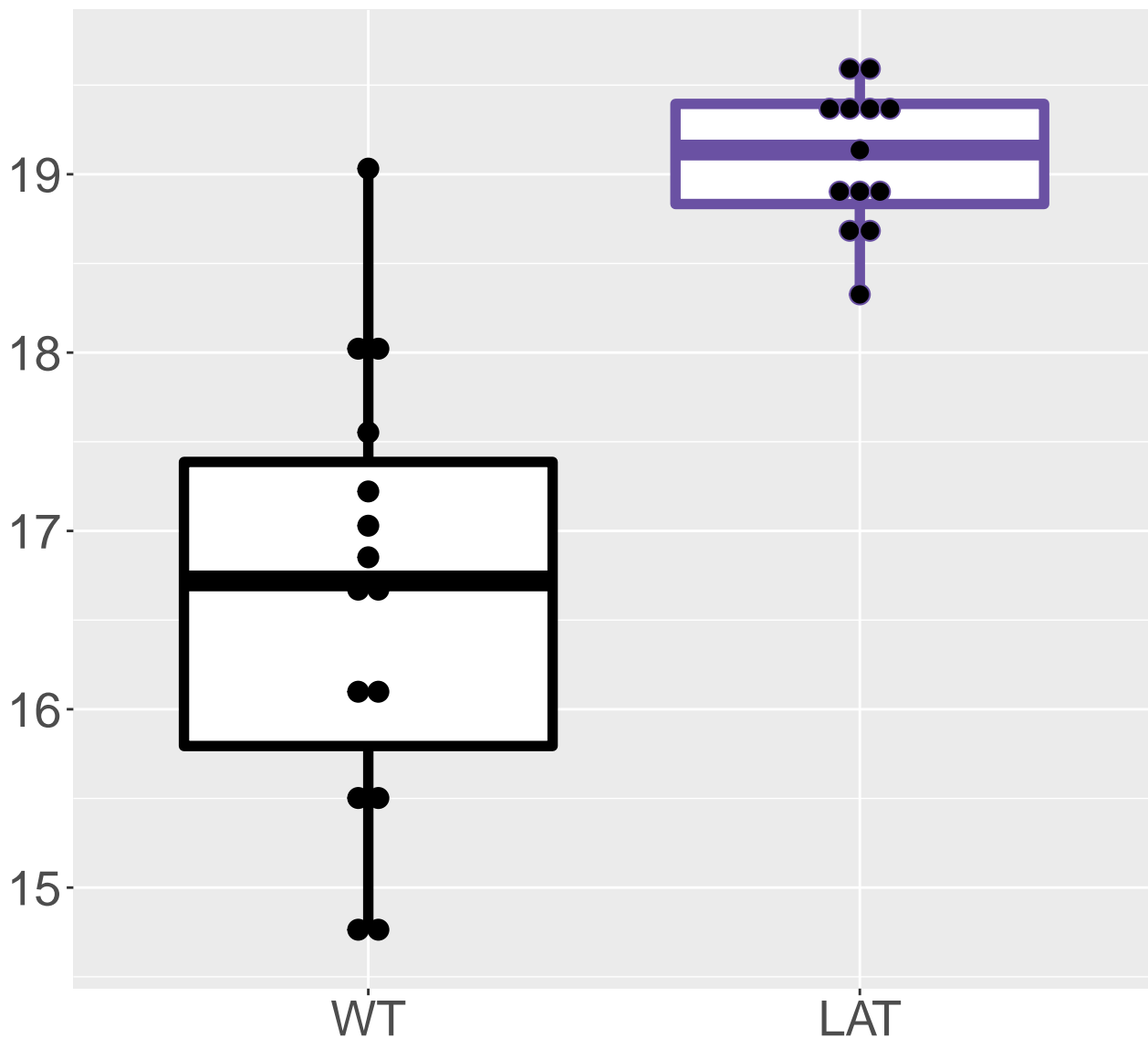
**M568.5146T301.69\_1**

**FDR =  $7.9\text{e-}06$ , FC =  $-1.3$**

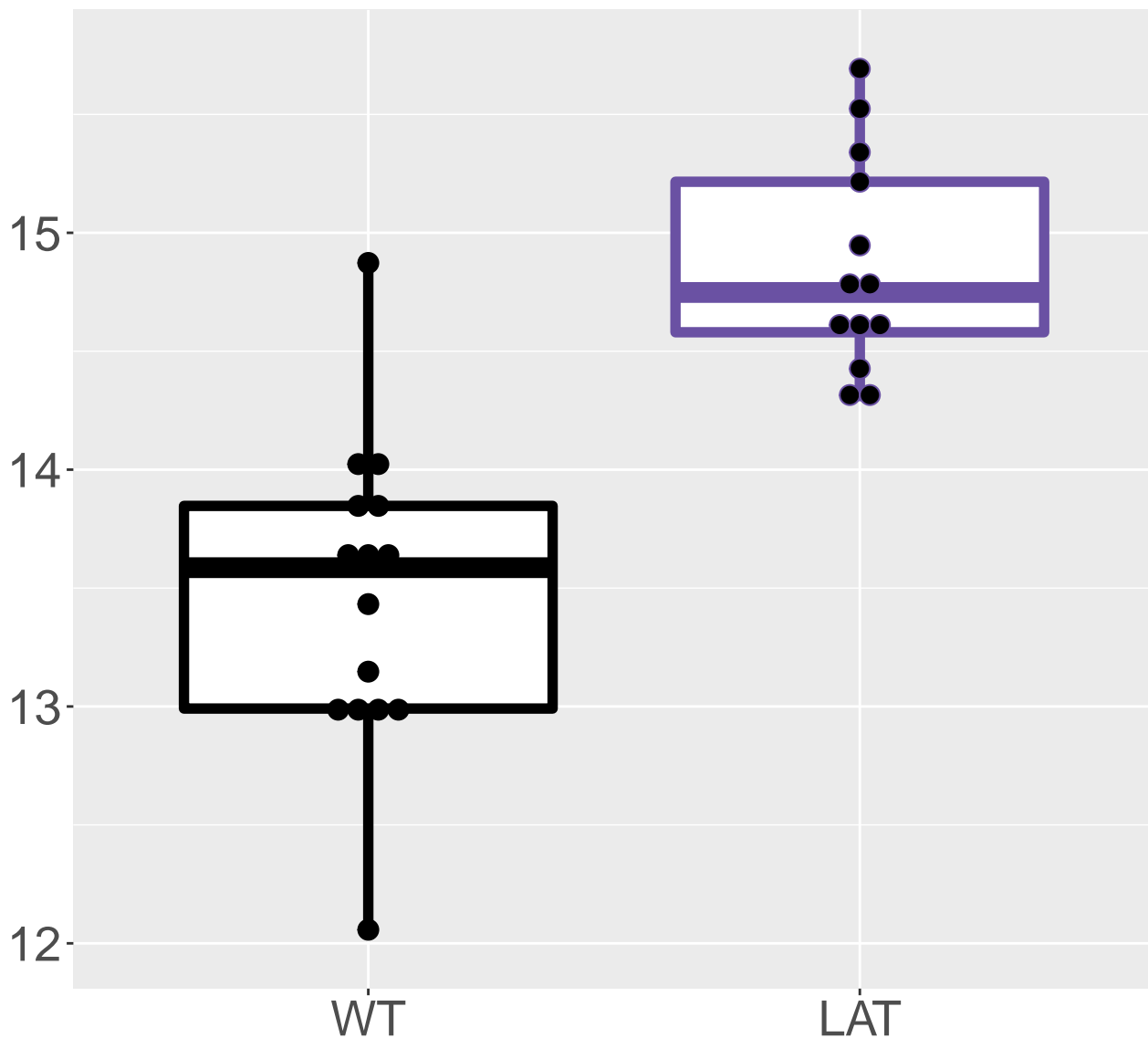


**M599.1909T100.07**

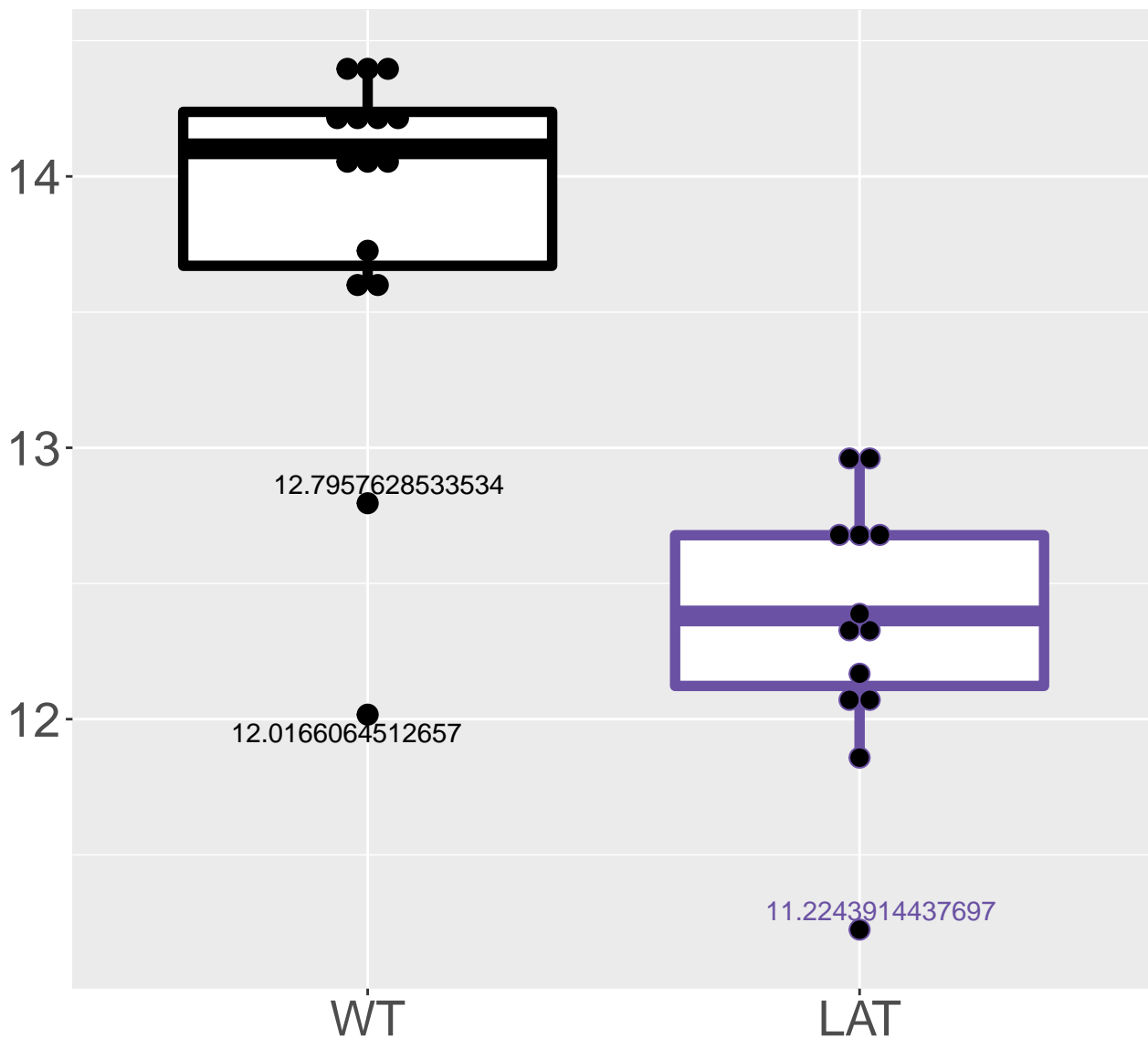
**FDR =  $8e-06$ , FC = 2.4**



**M517.7452T211.41\_1**  
**FDR = 8.1e-06, FC = 1.4**



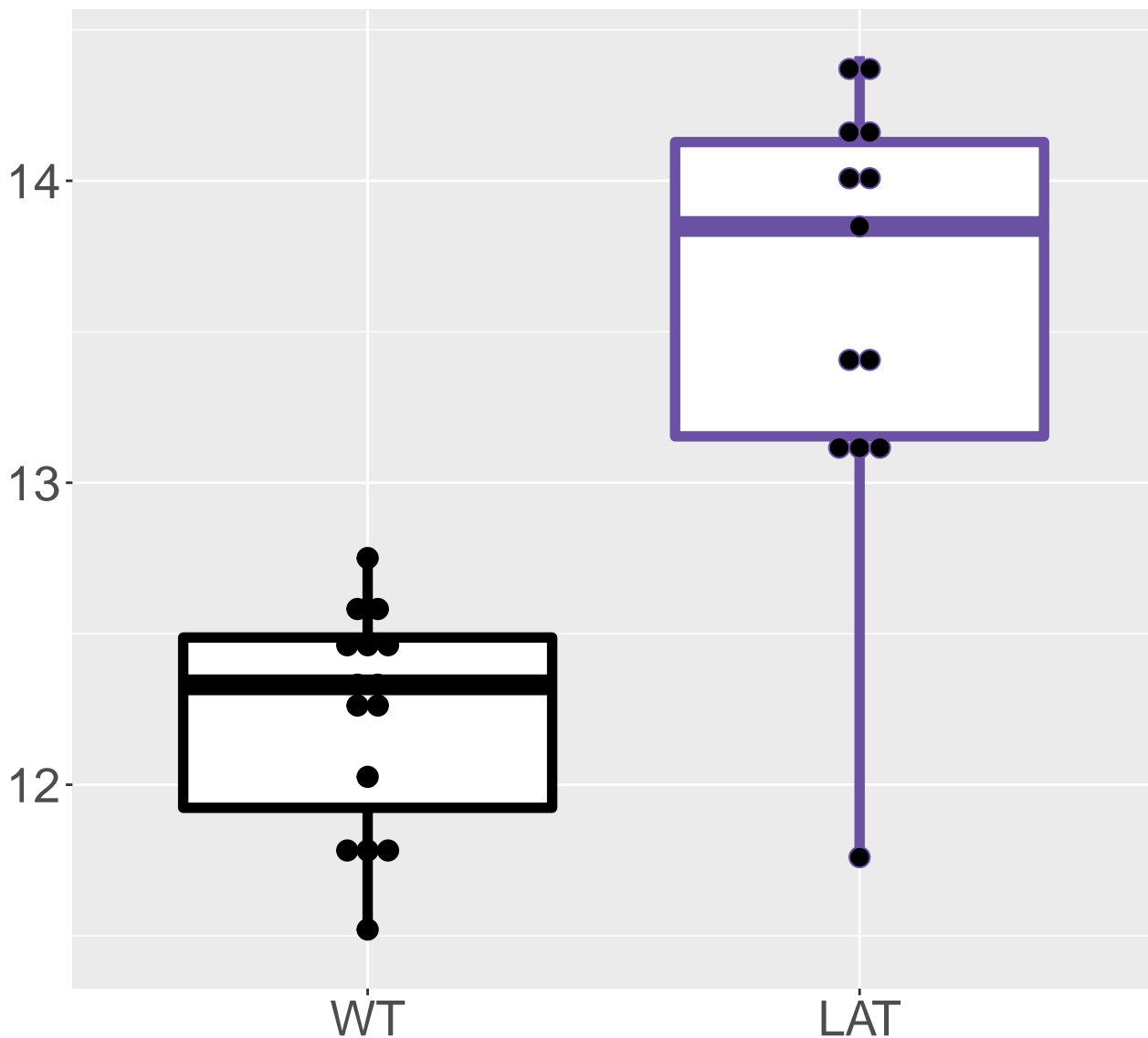
**M531.9559T310.14\_1**  
**FDR = 8.7e-06, FC = -1.5**





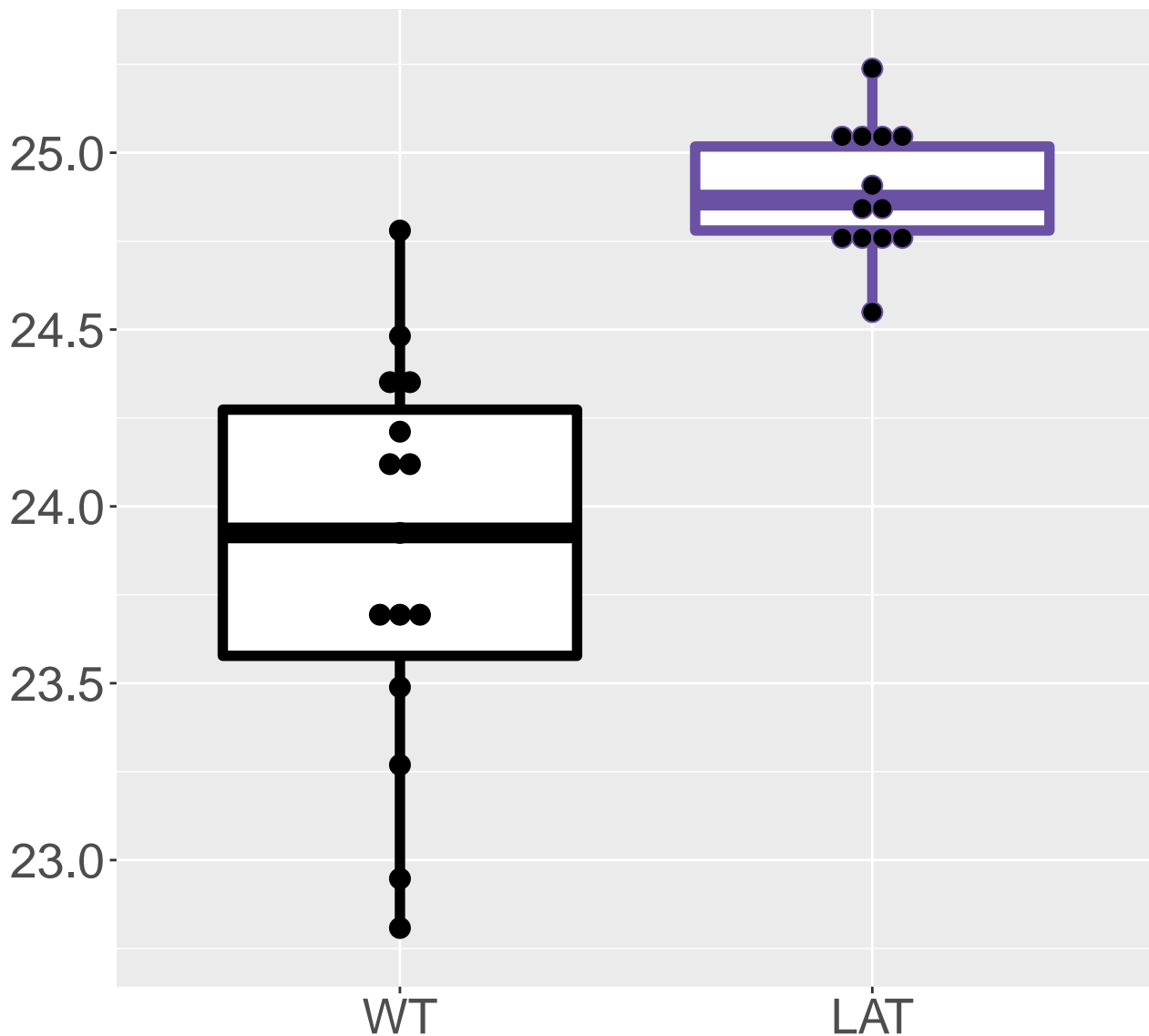
**M580.4685T325.93**

**FDR = 9e-06, FC = 1.4**



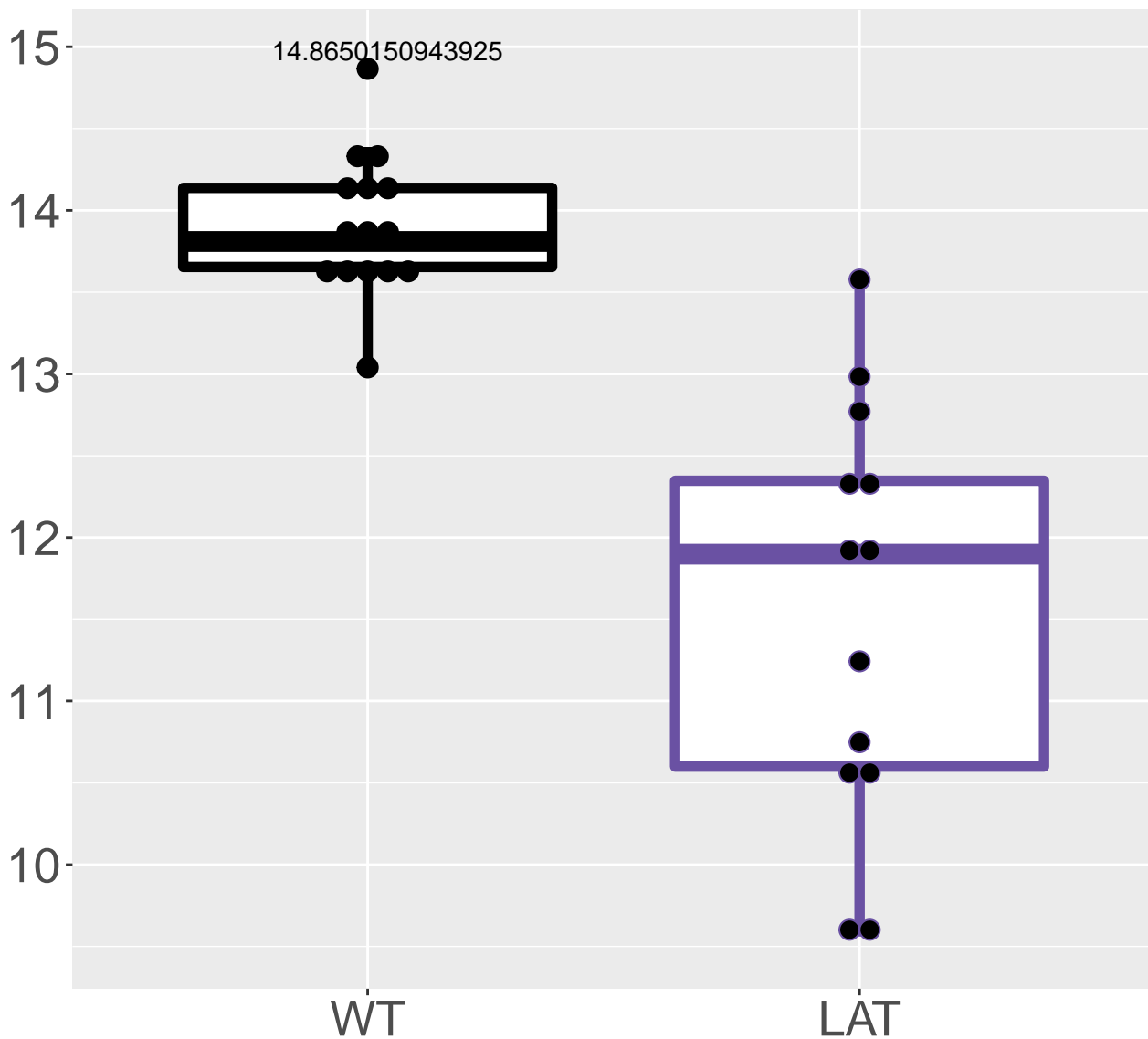
**M537.1713T72.3**

**FDR =  $9.3\text{e-}06$ , FC = 1, sex\***



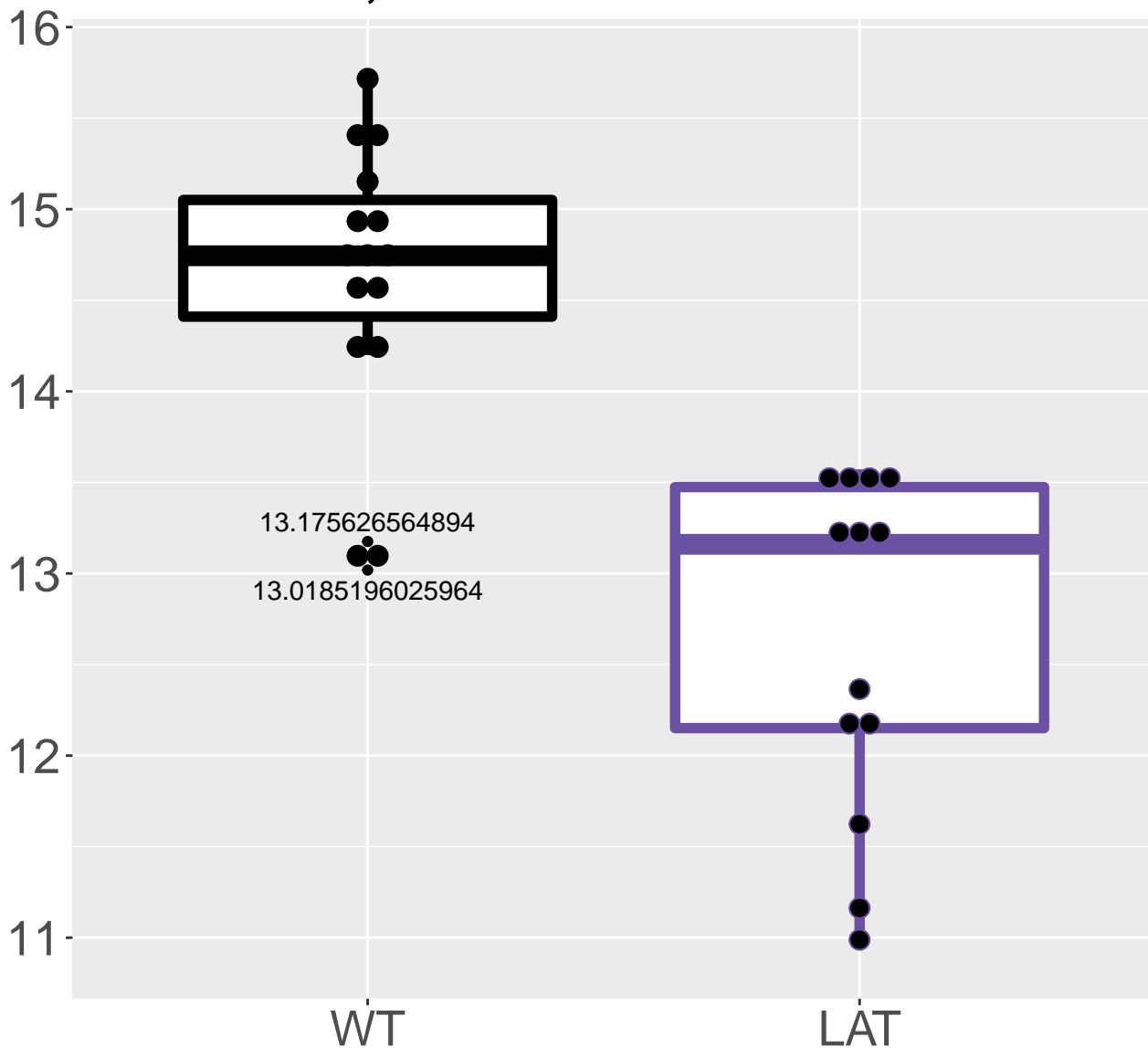
**M440.7401T248.21**

**FDR =  $9.8e-06$ , FC = -2.4**



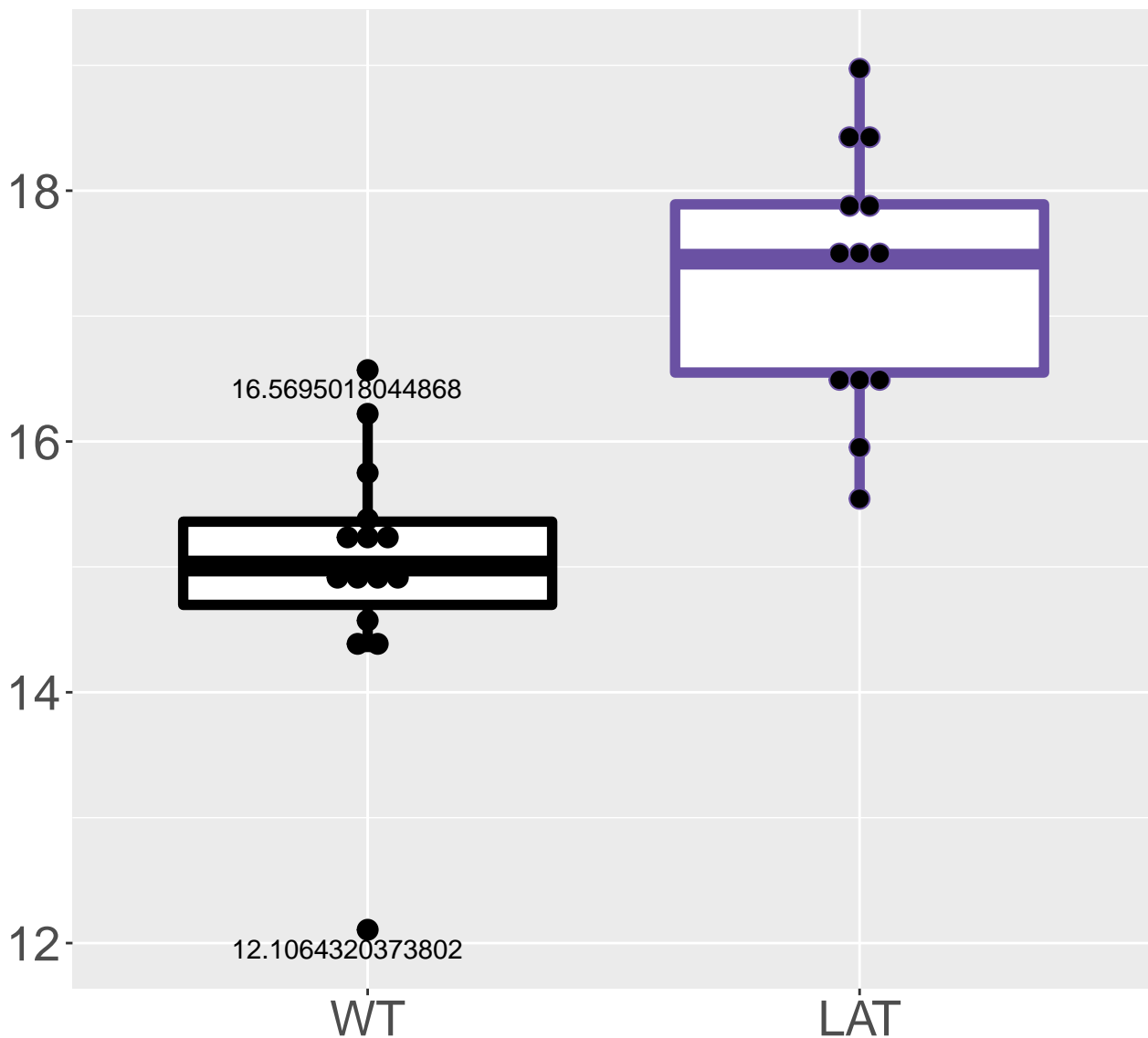
**M282.1817T252.12**

**FDR = 1e-05, FC = -2**



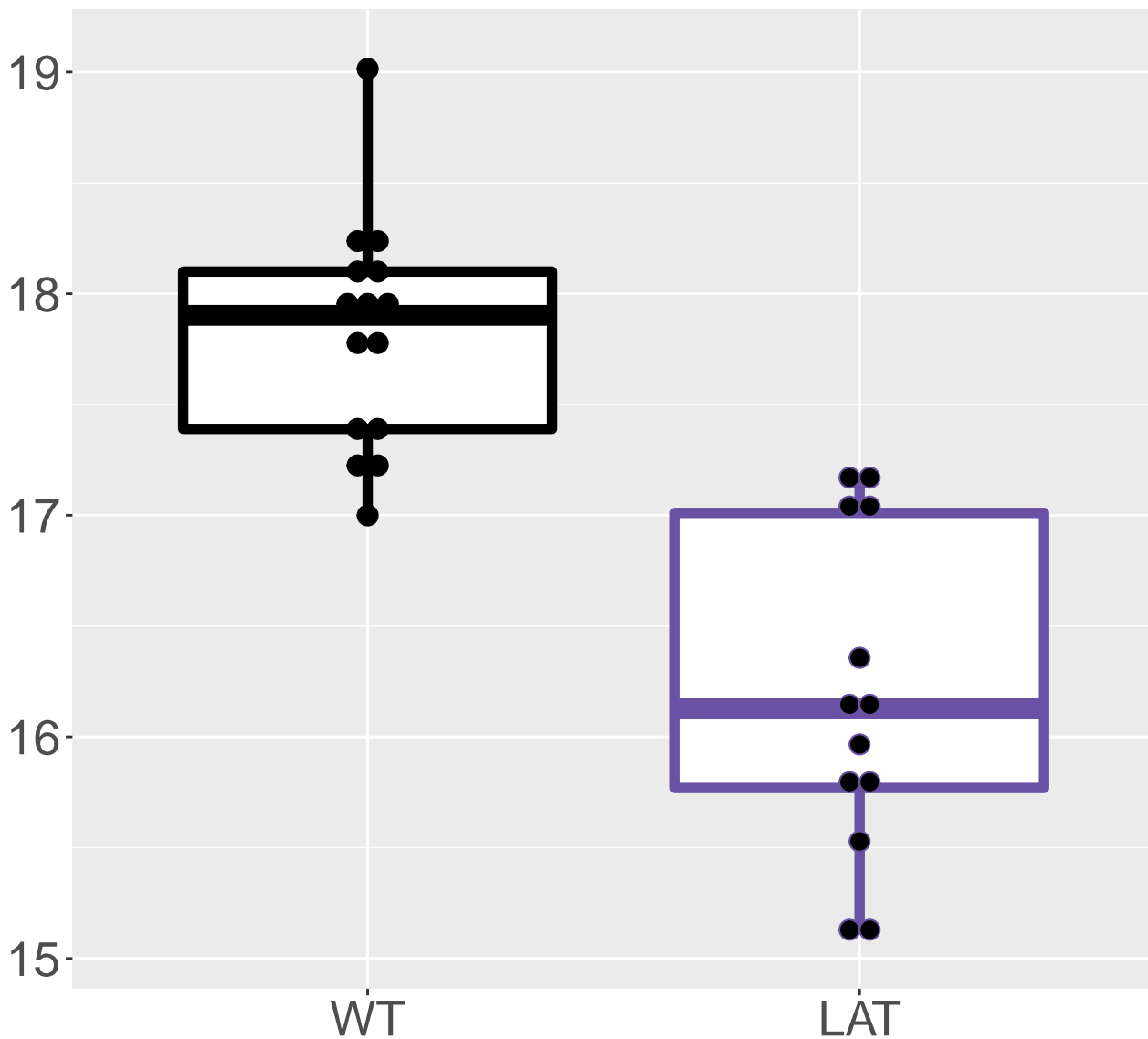
**M298.9943T51.58**

**FDR = 1.1e-05, FC = 2.3, sex\***



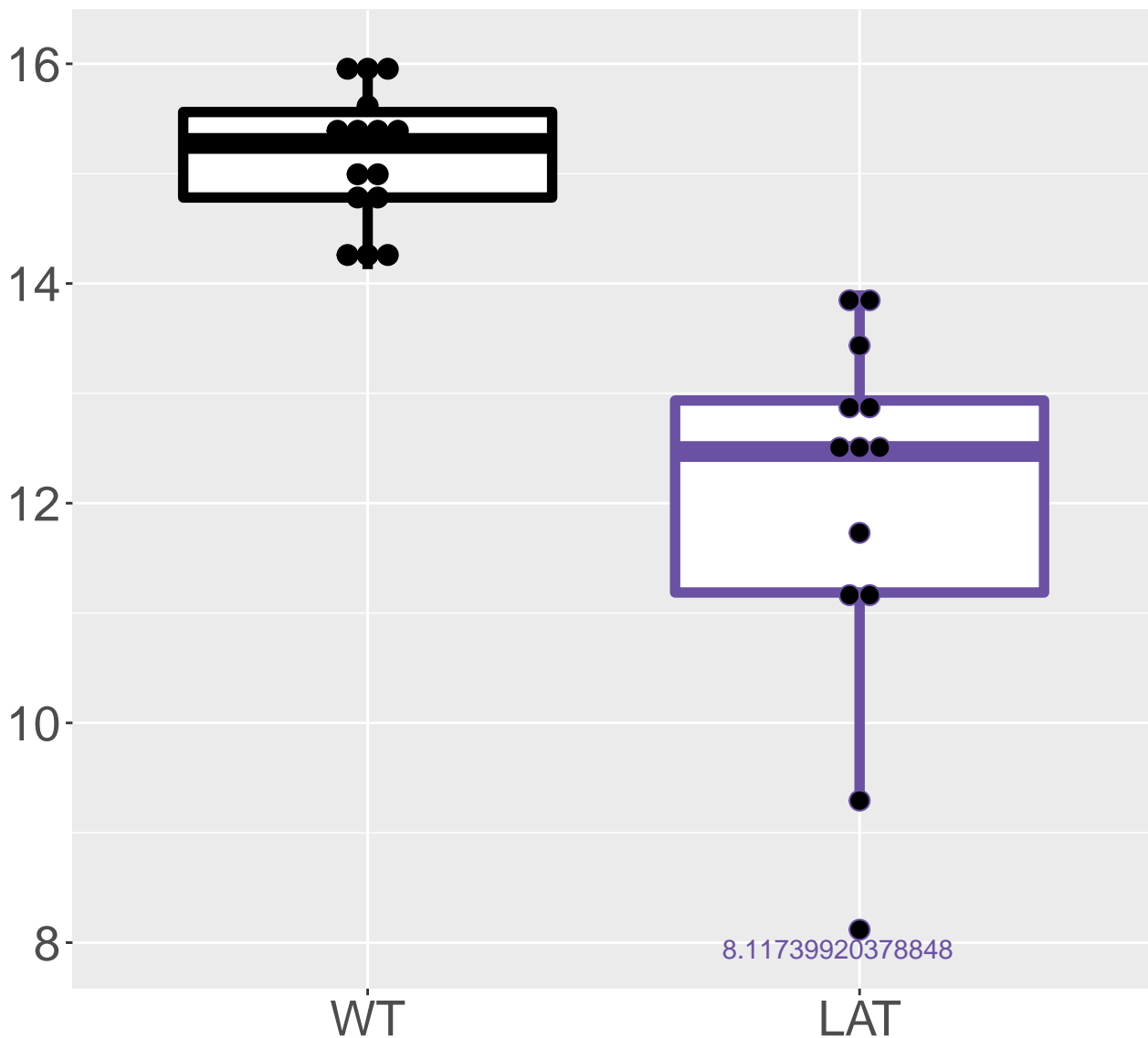
**M588.2058T66.65**

**FDR = 1.1e-05, FC = -1.6**



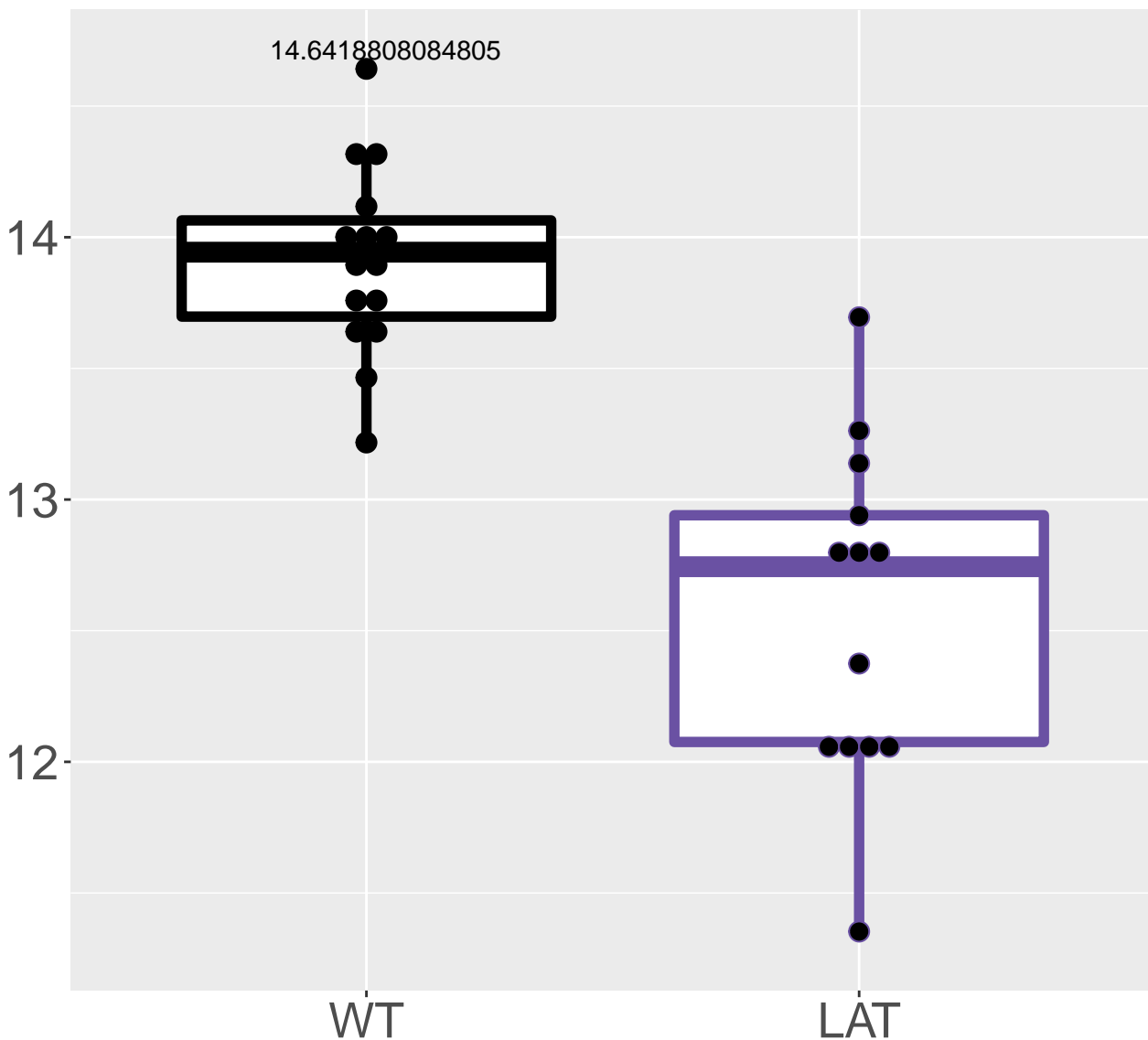
**M603.9997T327.51**

**FDR =  $1.1\text{e-}05$ , FC = -3.2**



**M272.6672T297.34**

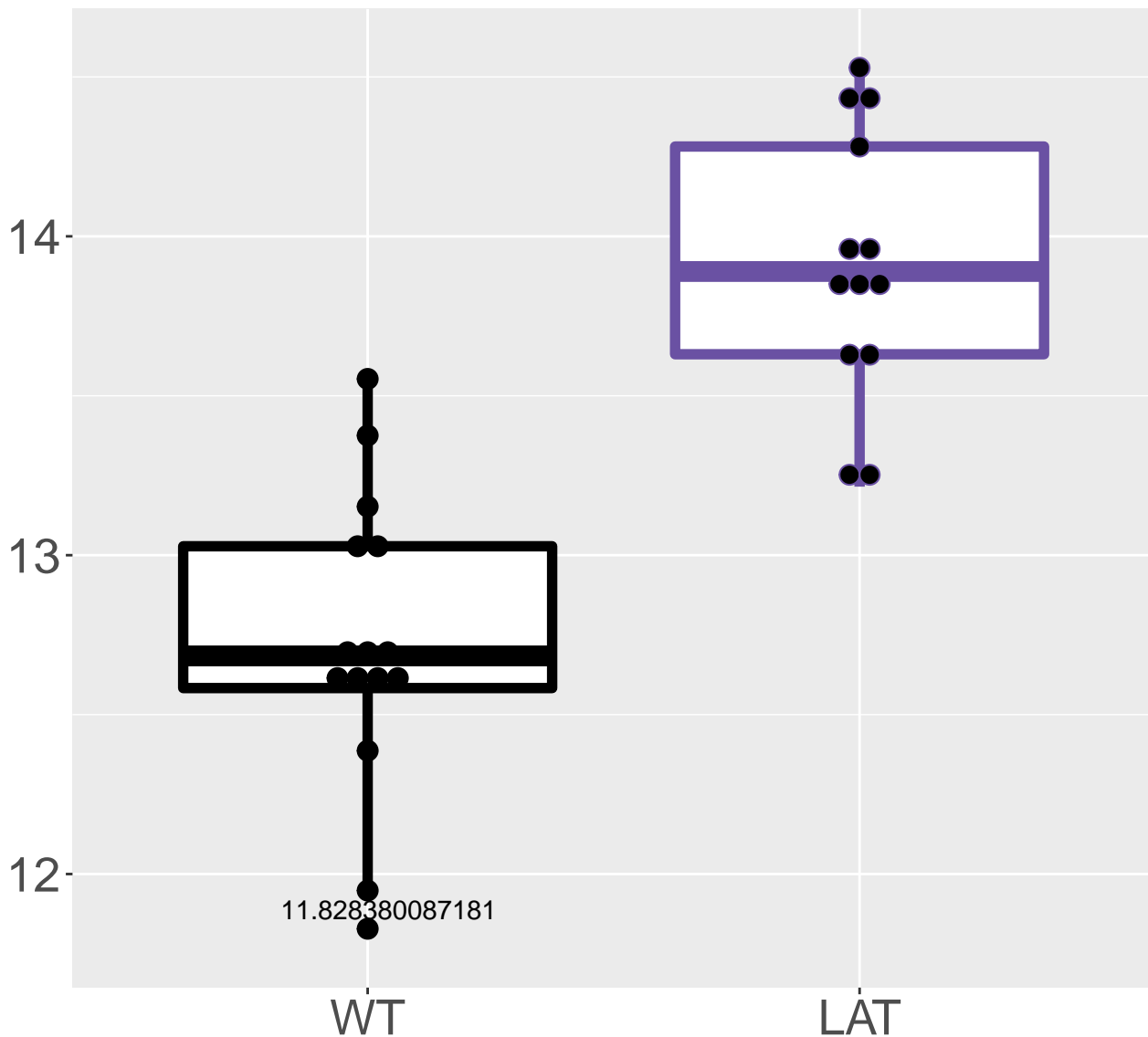
**FDR = 1.1e-05, FC = -1.3**





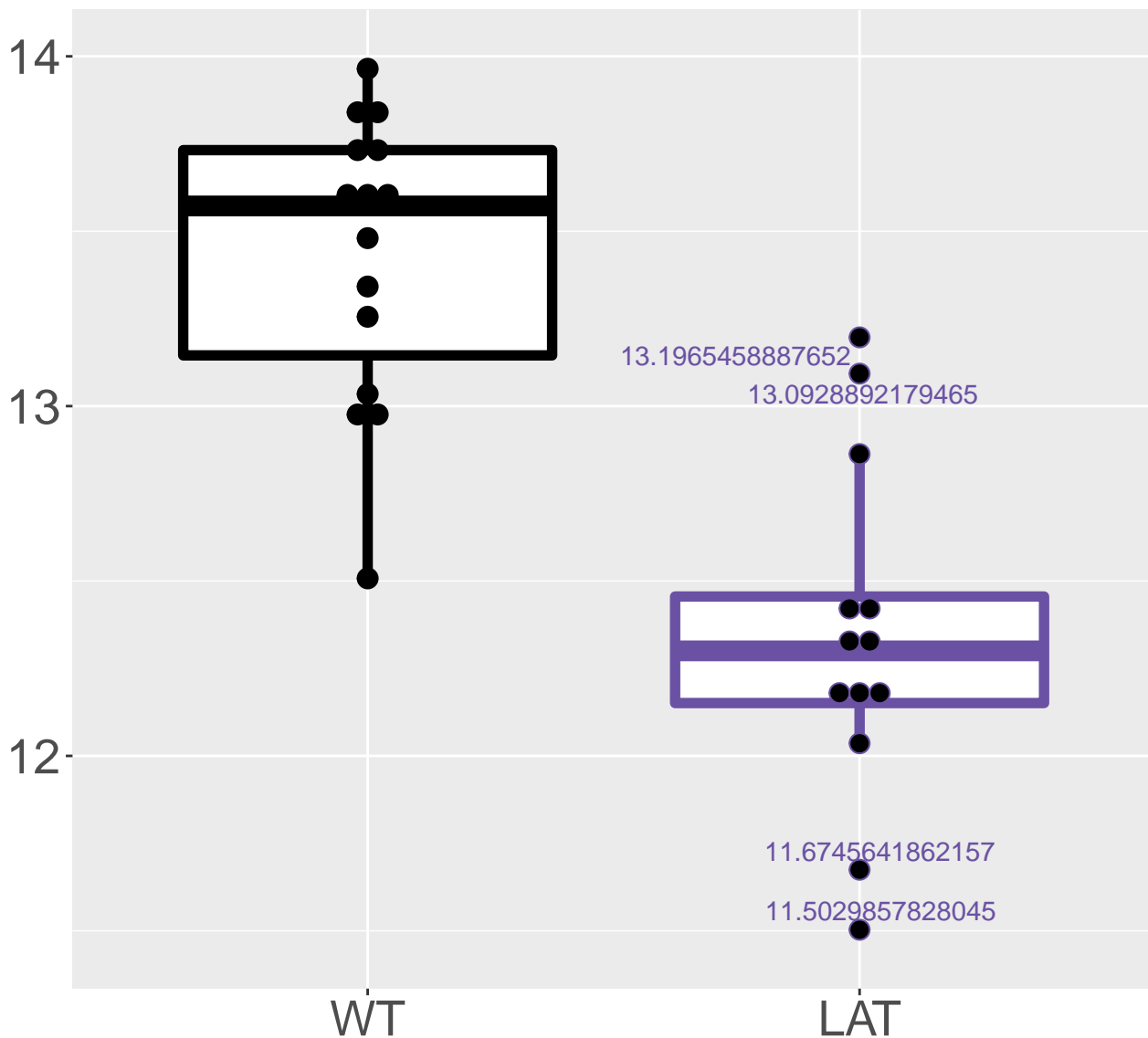
**M331.6869T271.06**

**FDR = 1.1e-05, FC = 1.2**

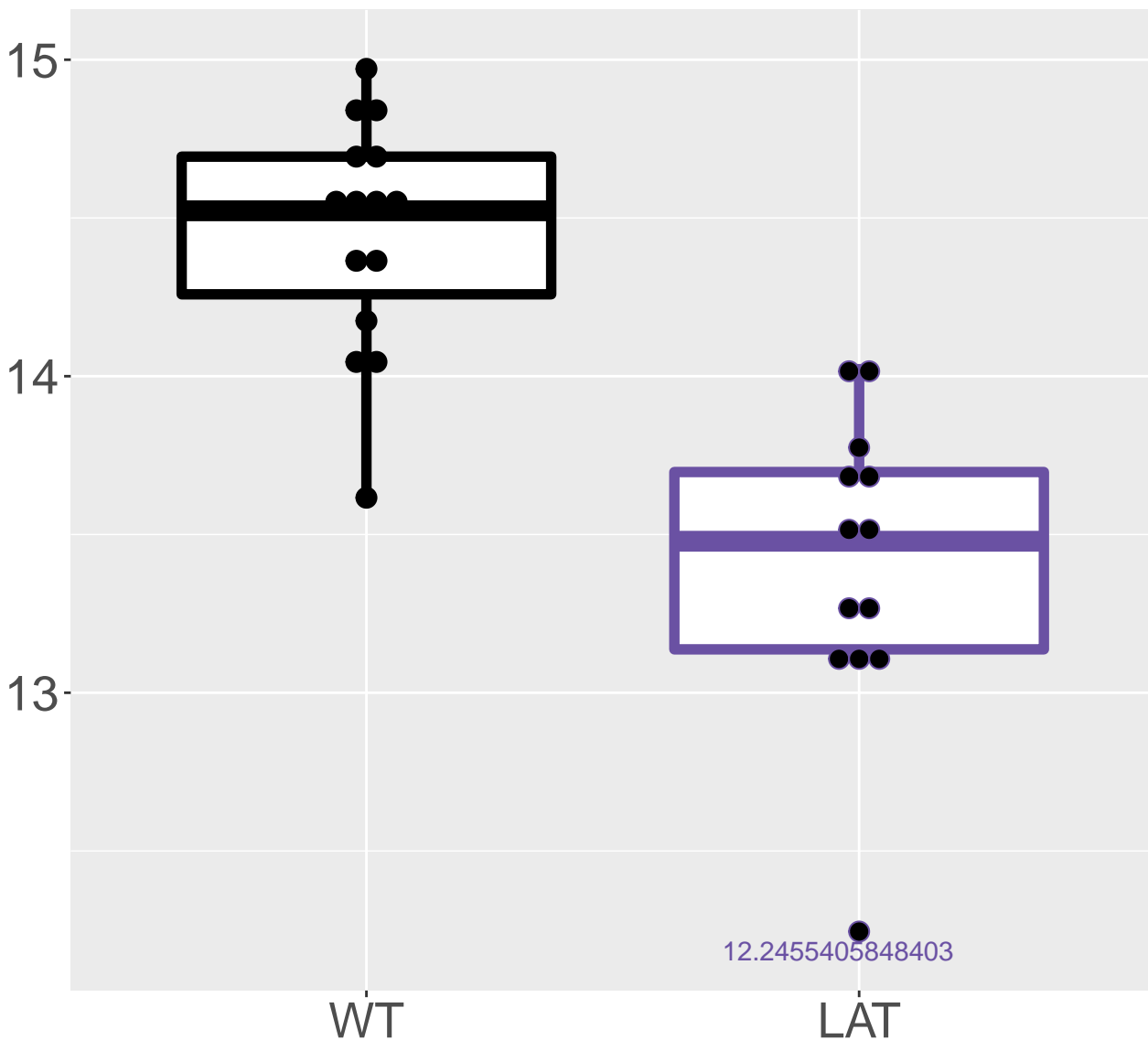


**M319.0366T141.74**

**FDR = 1.1e-05, FC = -1.1**

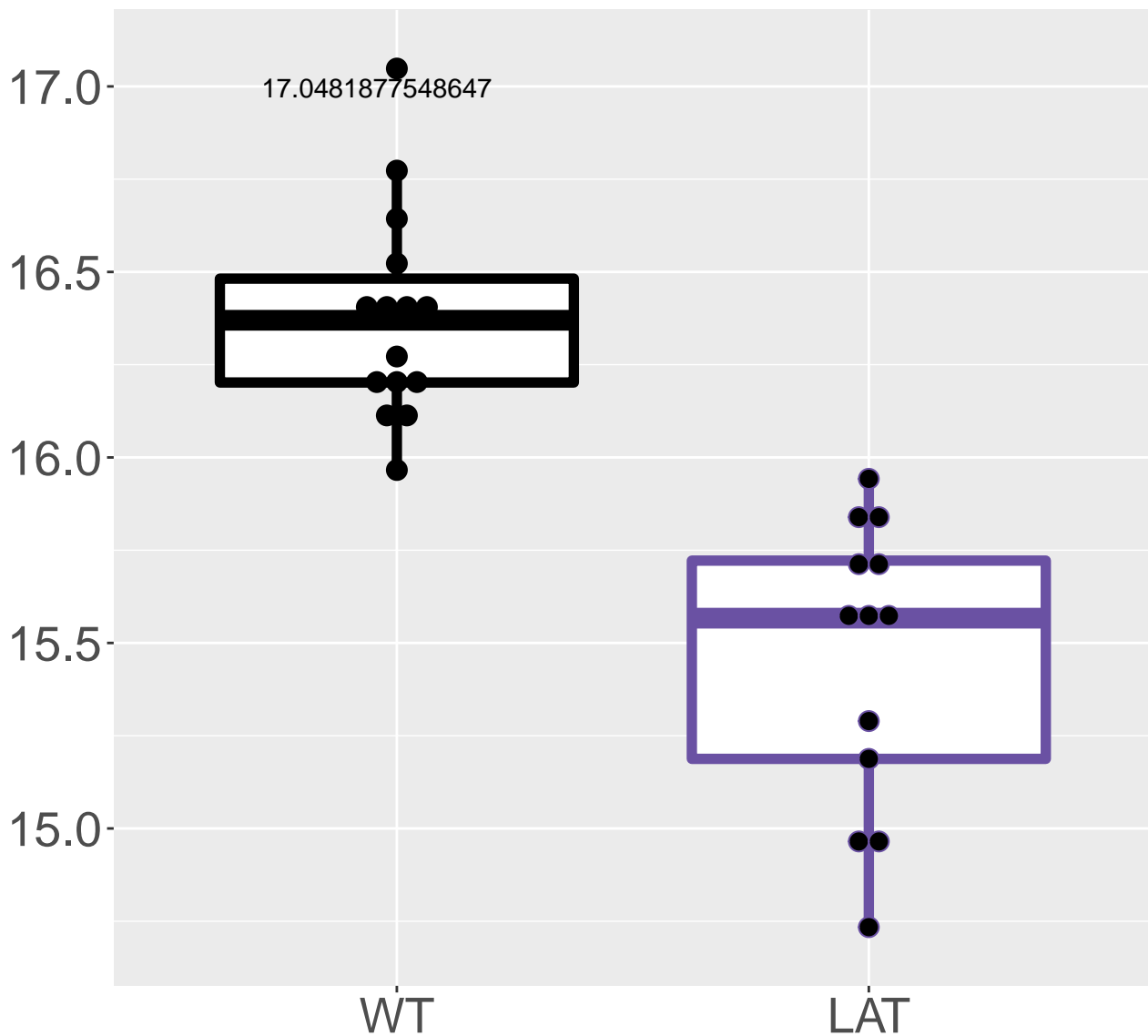


**M830.9592T377.55\_4**  
**FDR = 1.1e-05, FC = -1**



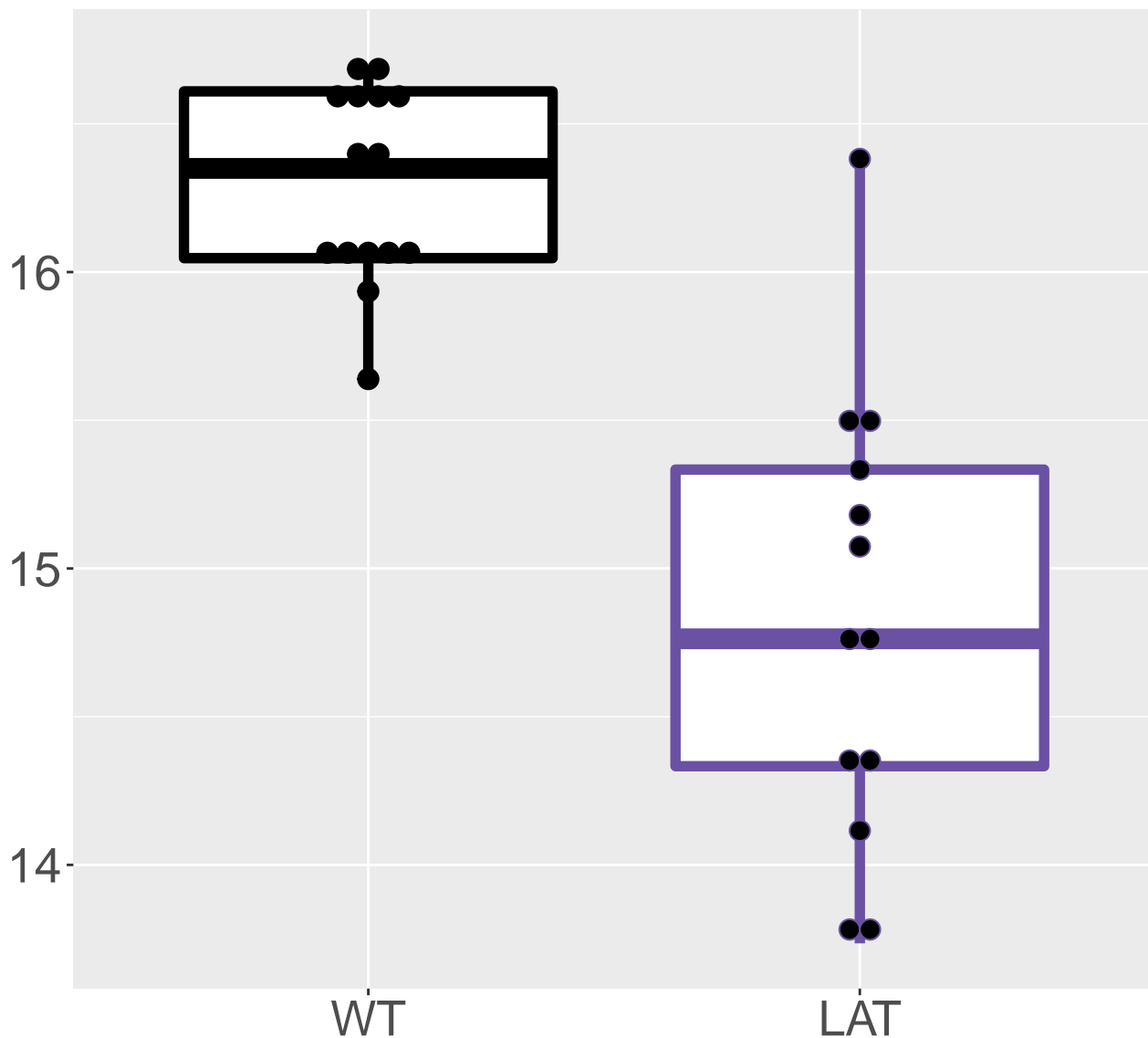
**M432.1774T111.26**

**FDR = 1.1e-05, FC = -0.93**



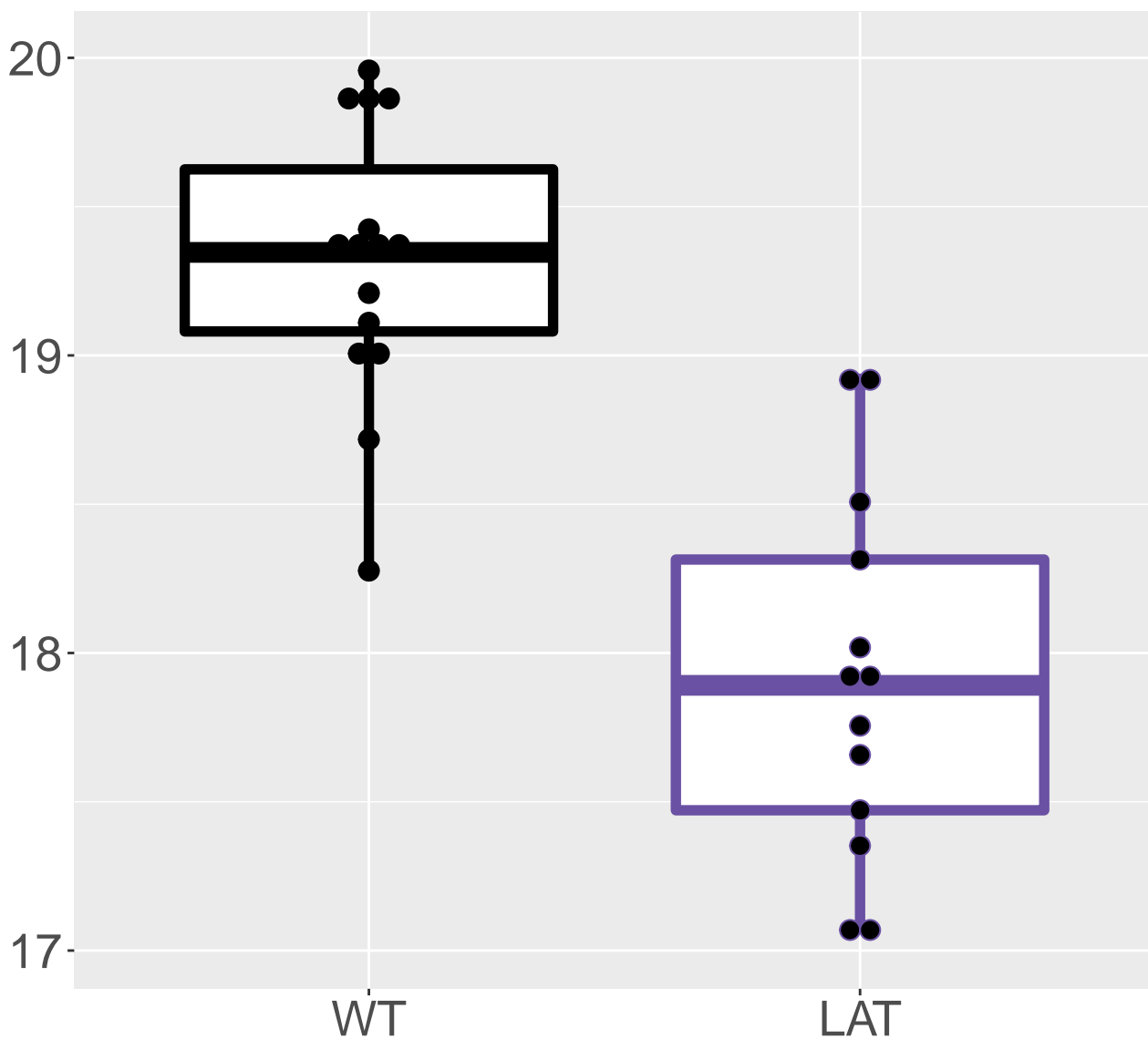
**M624.2637T52.82**

**FDR = 1.1e-05, FC = -1.5**



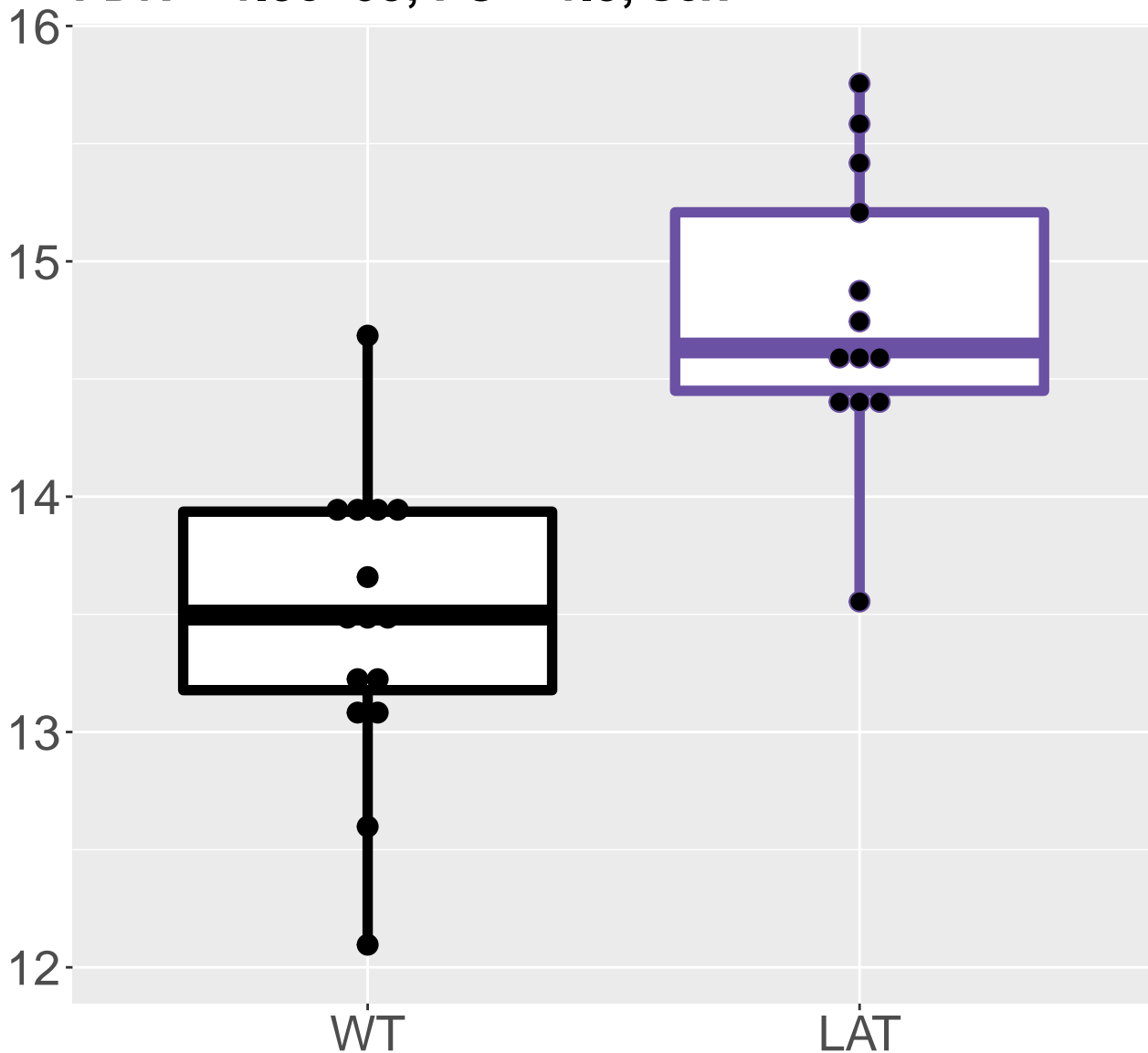
# M593.1962T68

**FDR = 1.1e-05, FC = -1.4**



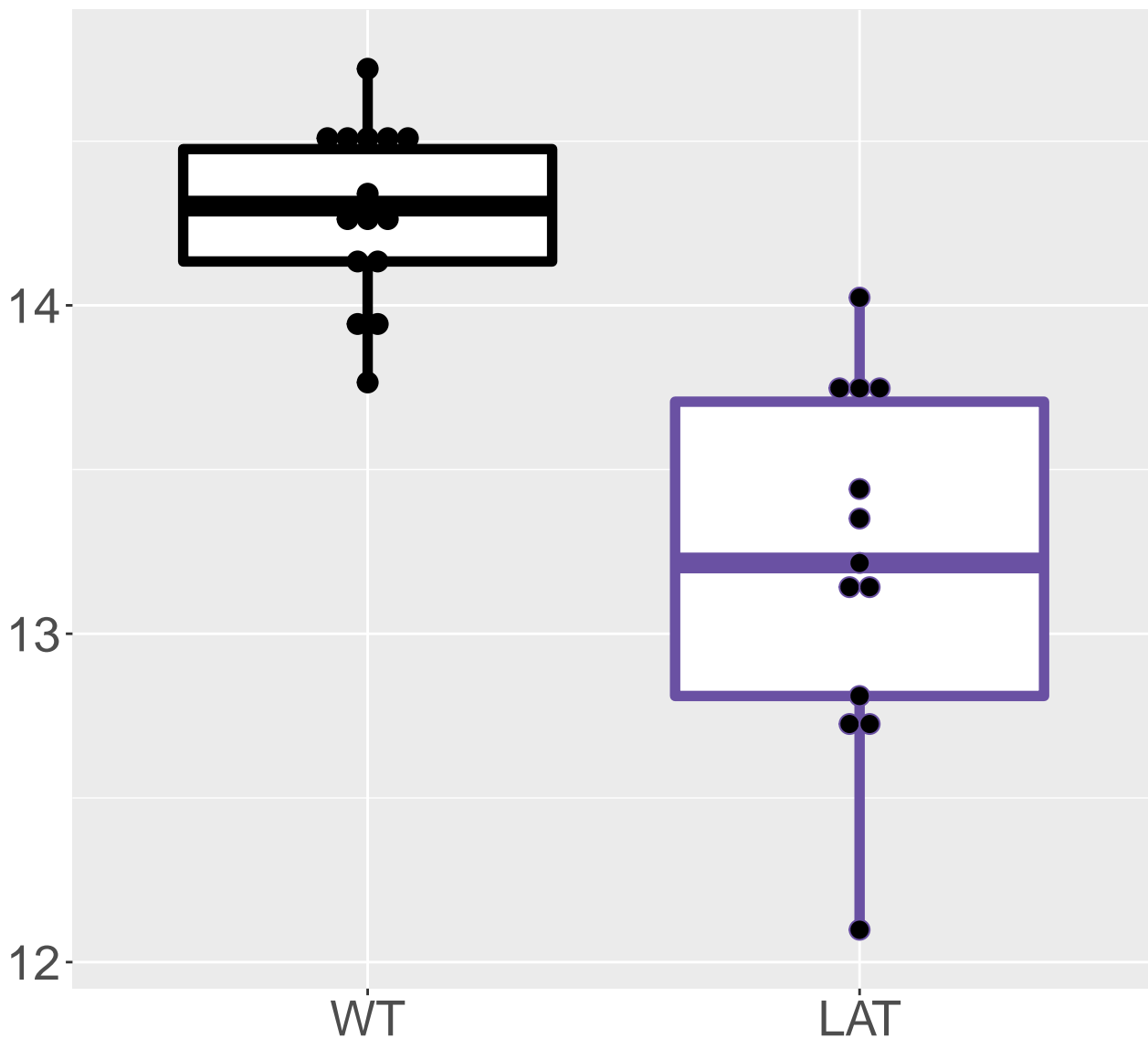
**M366.2233T273.07**

**FDR = 1.3e-05, FC = 1.3, sex\*\***



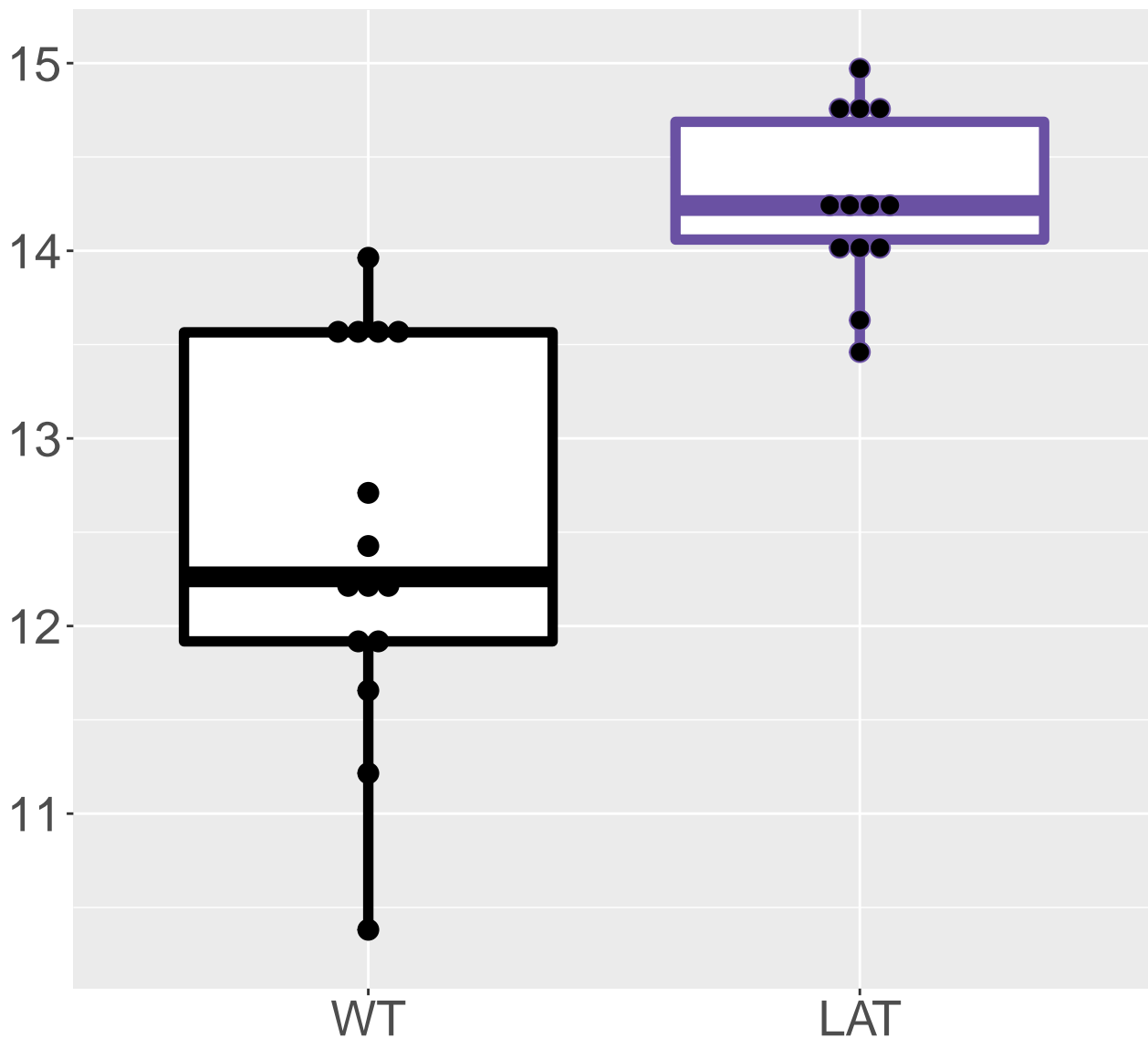
**M289.1728T285.95**

**FDR =  $1.3\text{e-}05$ , FC = -1.1**



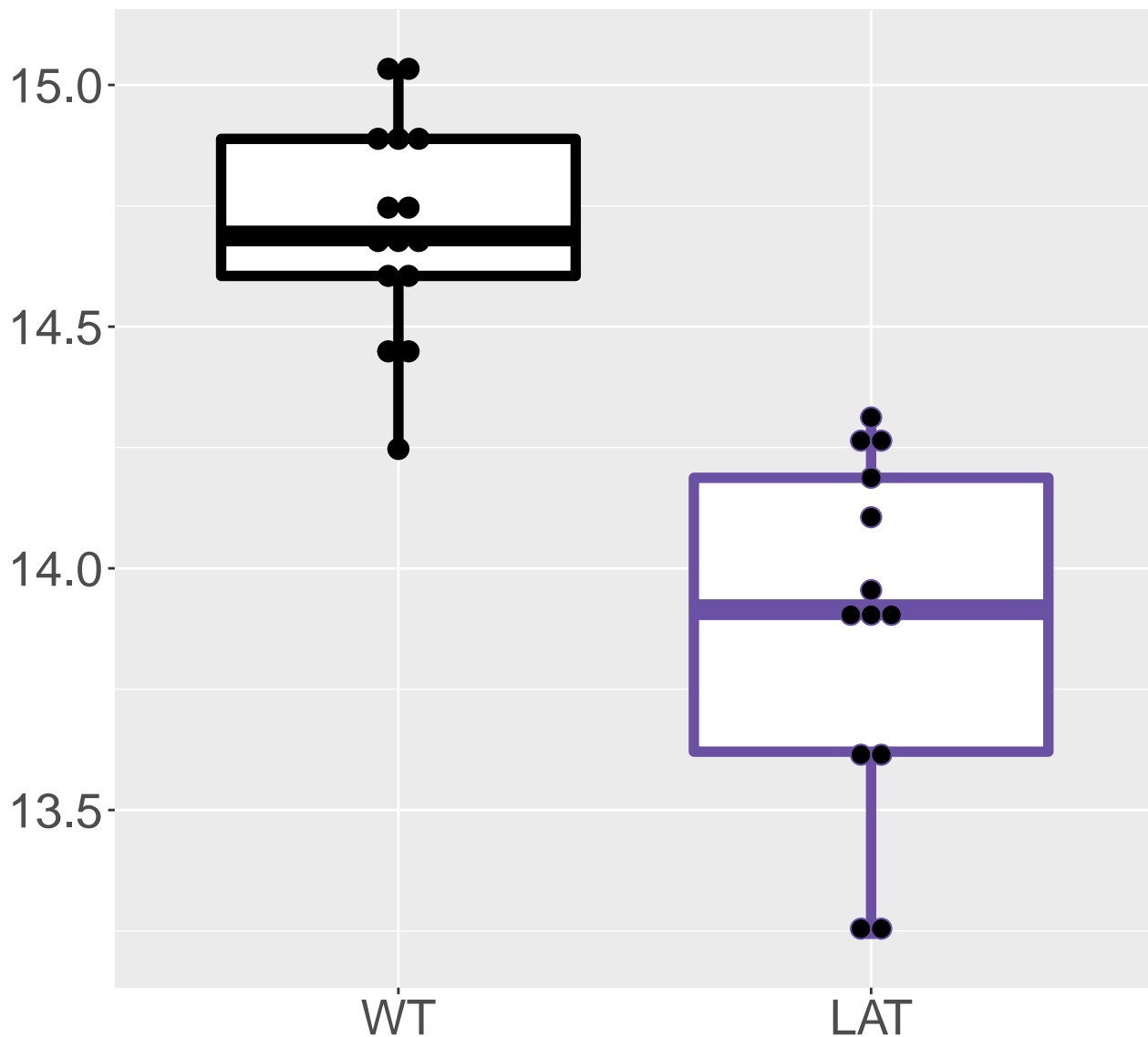


**M574.9869T330.33\_1**  
**FDR = 1.3e-05, FC = 1.8**



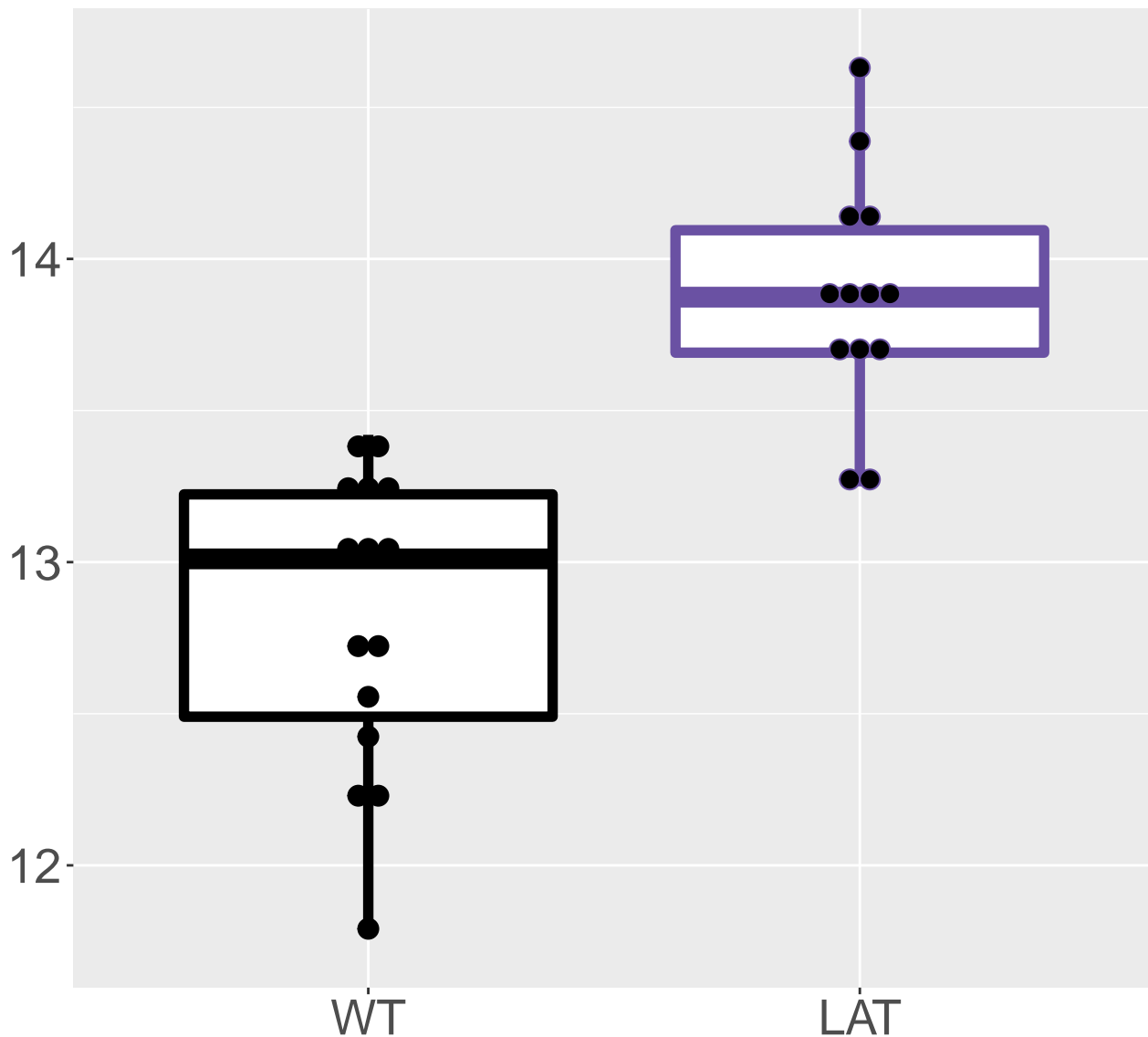
**M547.7627T236.46\_1**

**FDR = 1.3e-05, FC = -0.82**

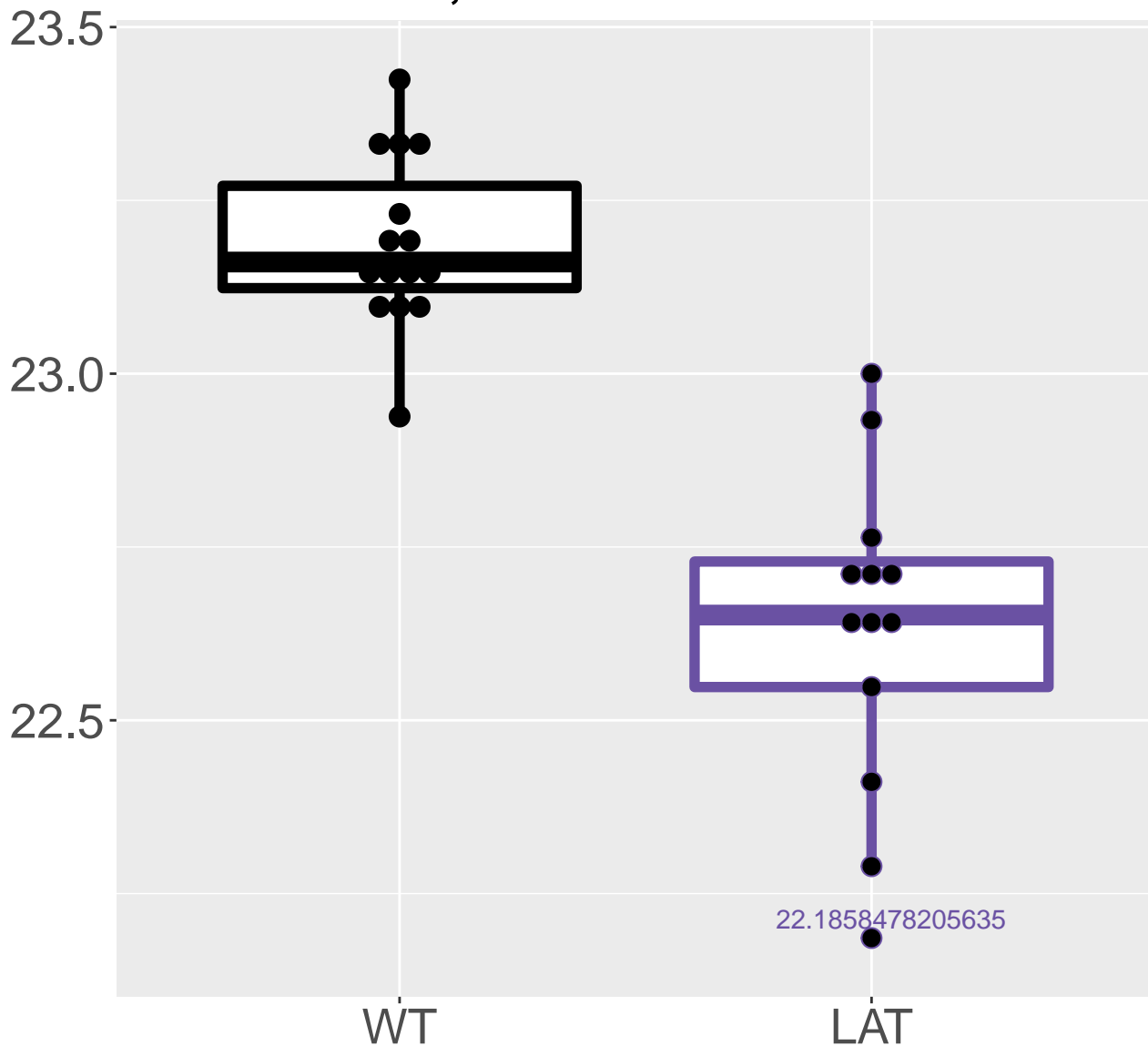


**M544.6243T279.24**

**FDR = 1.3e-05, FC = 1.1**

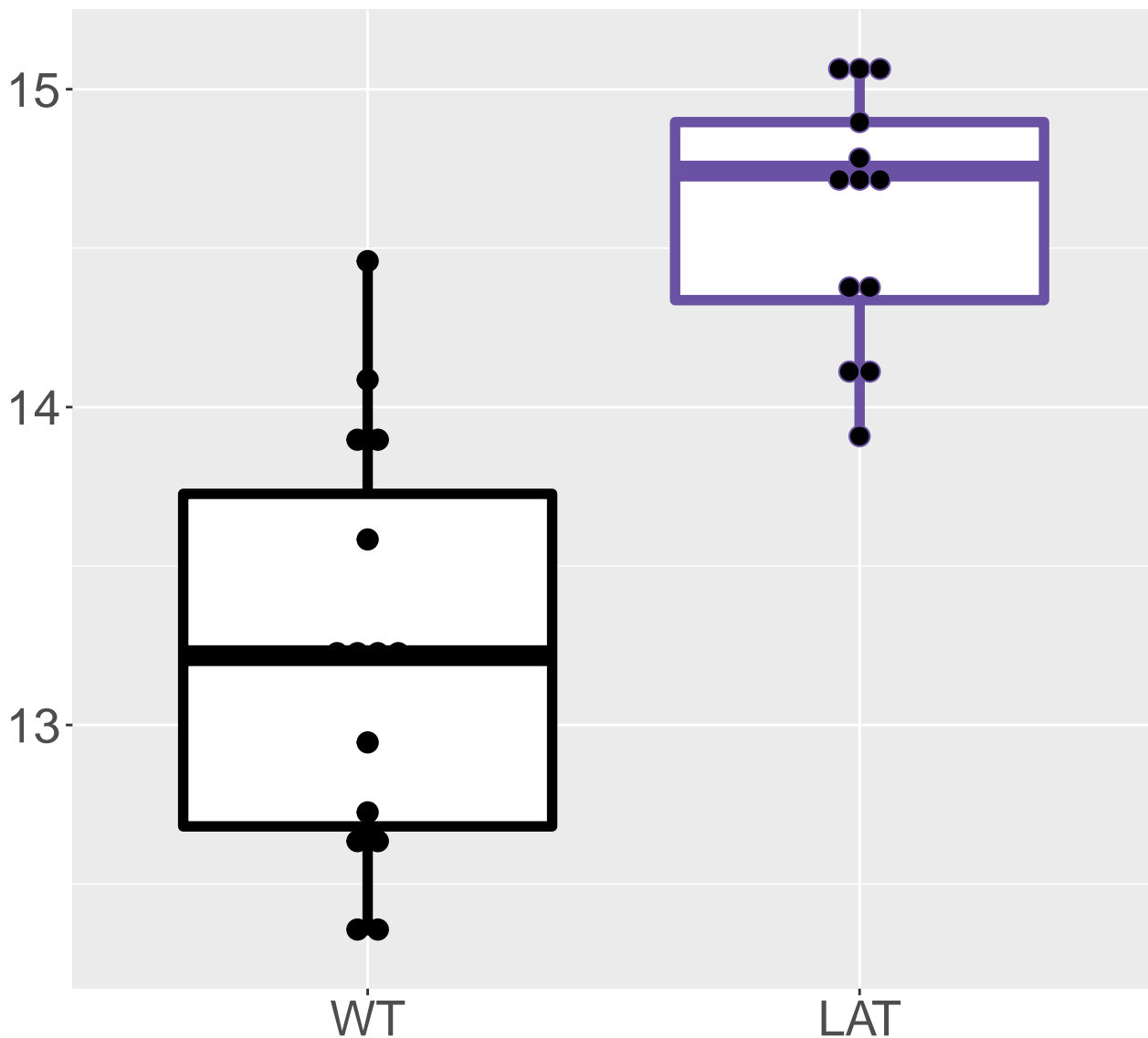


**Ornithine;L-Ornithine**  
**FDR = 1.3e-05, FC = -0.56**



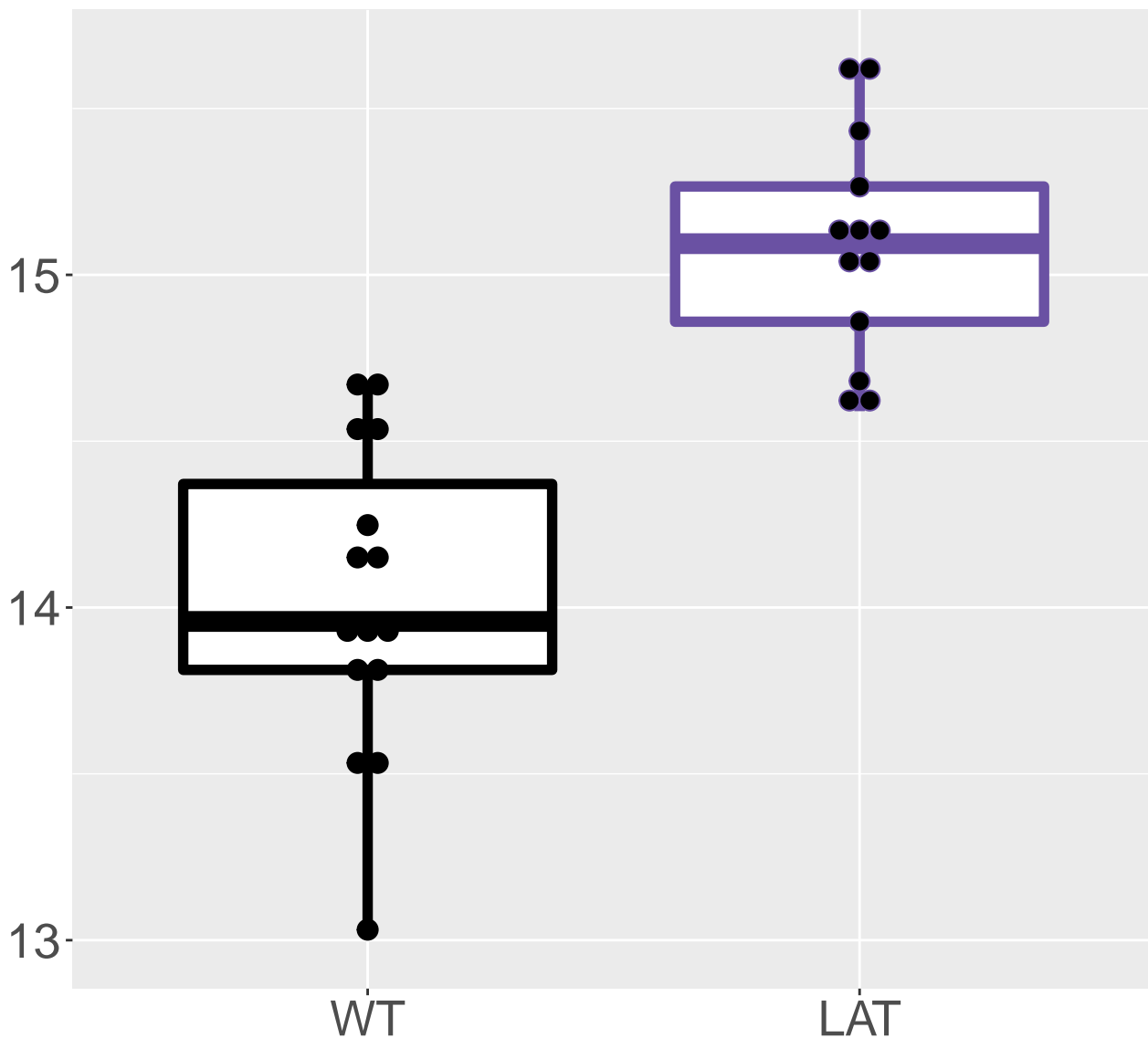
**M303.8612T260.73**

**FDR =  $1.4e-05$ , FC = 1.4**

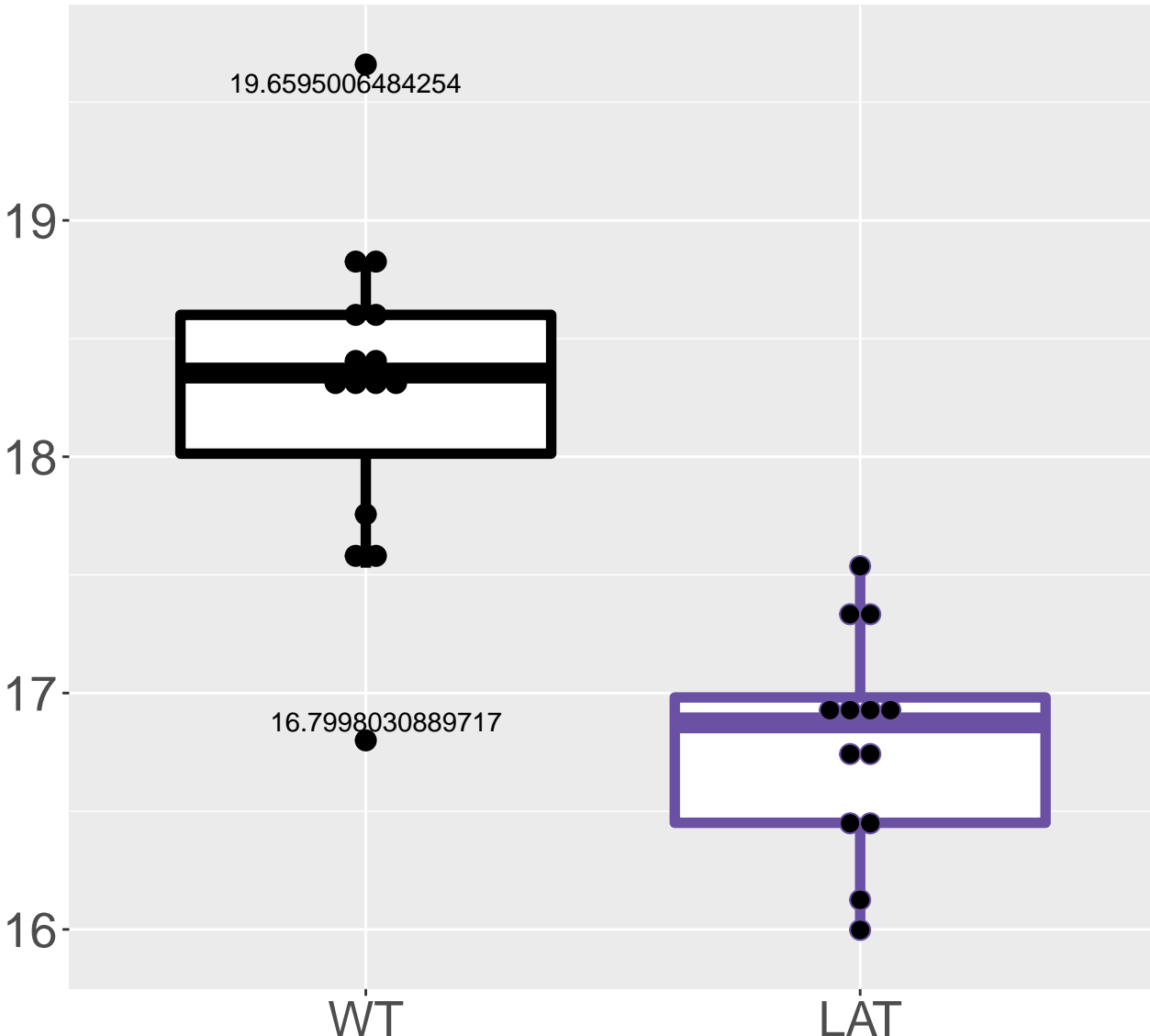


**M401.2531T242.95**

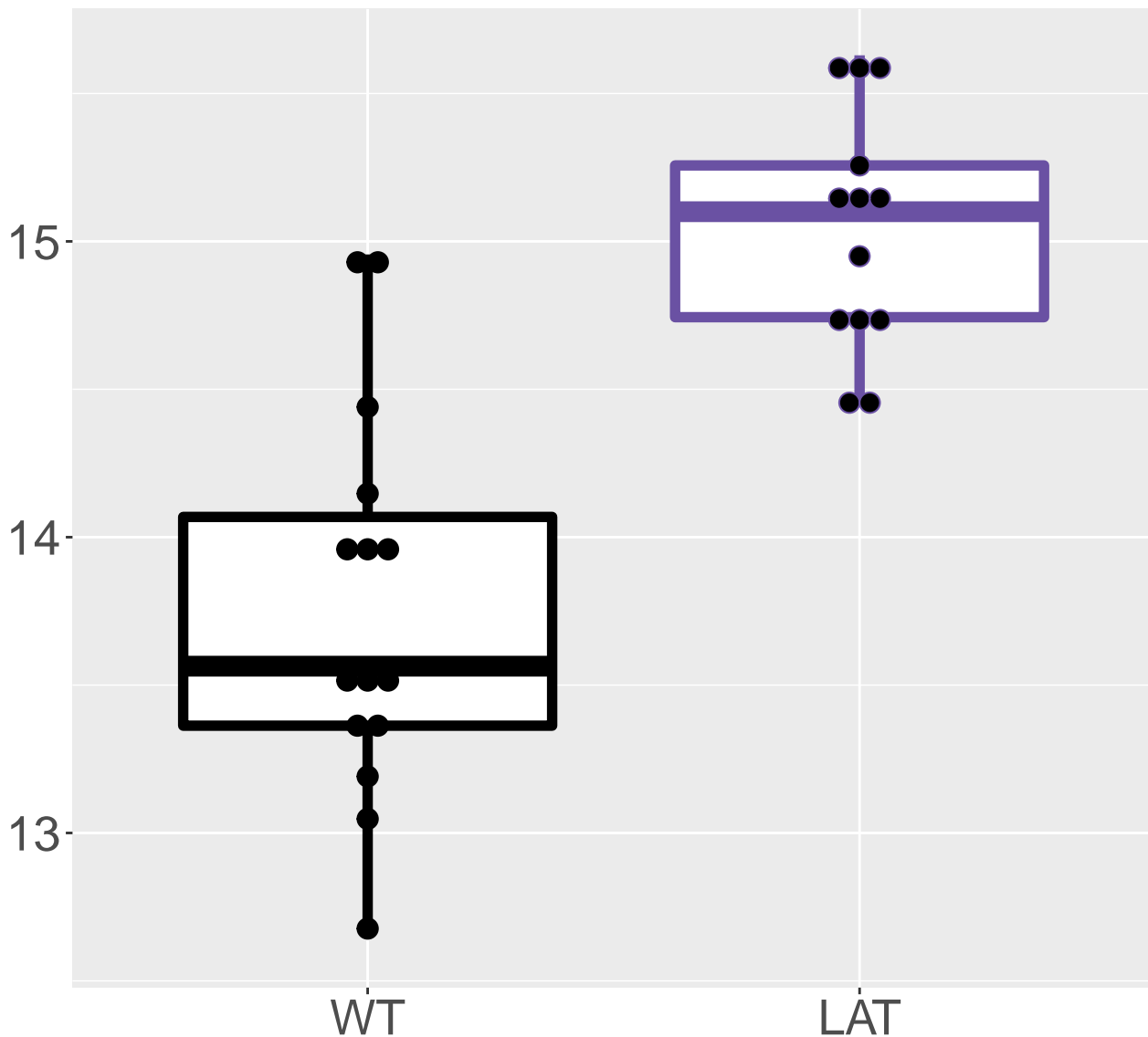
**FDR = 1.5e-05, FC = 1.1**



**2'-O-Methylguanosine|N2-Methylguanosine|7-**  
**FDR = 1.5e-05, FC = -1.5**



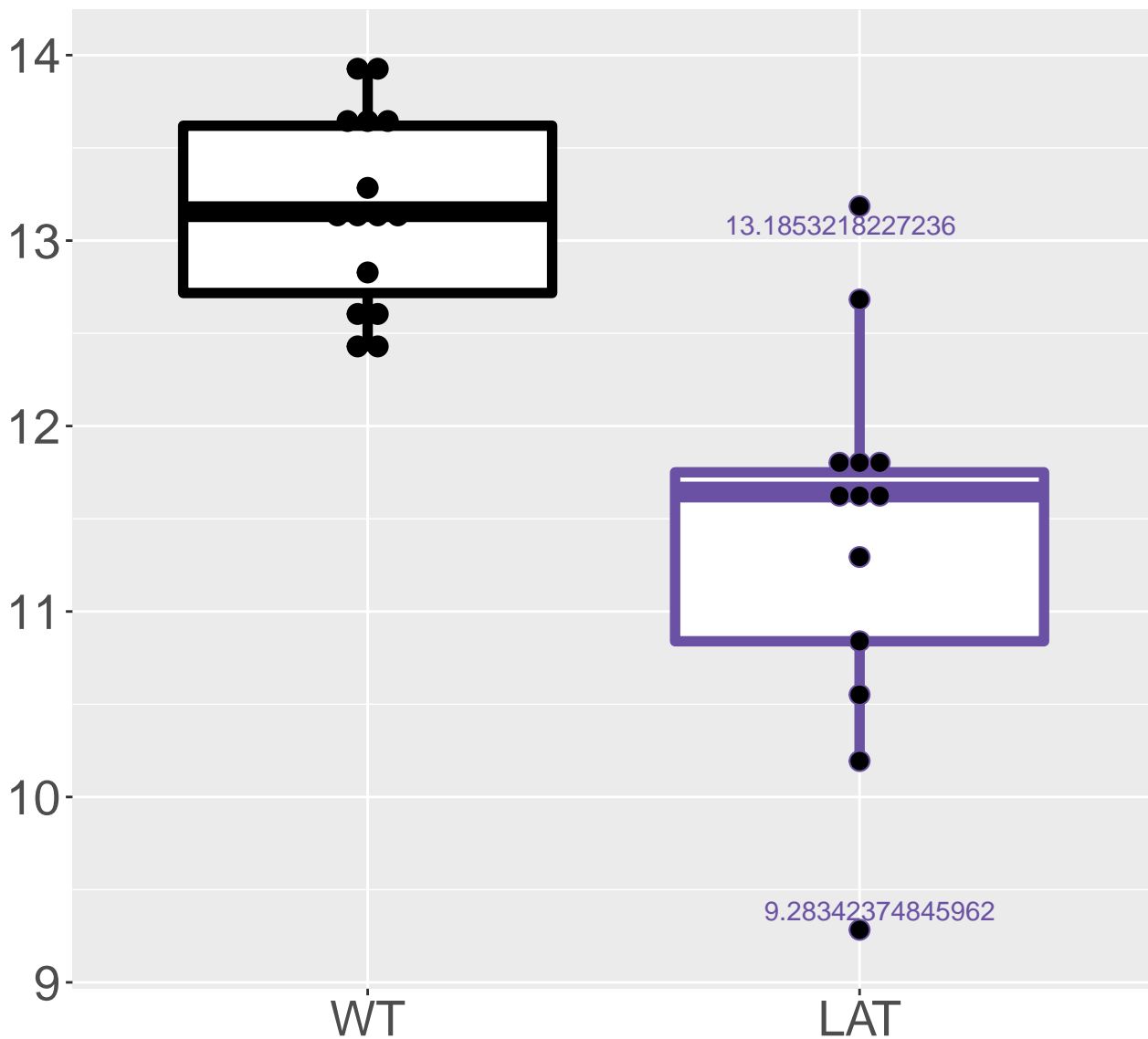
**M380.1965T212.5**  
**FDR = 1.5e-05, FC = 1.3**



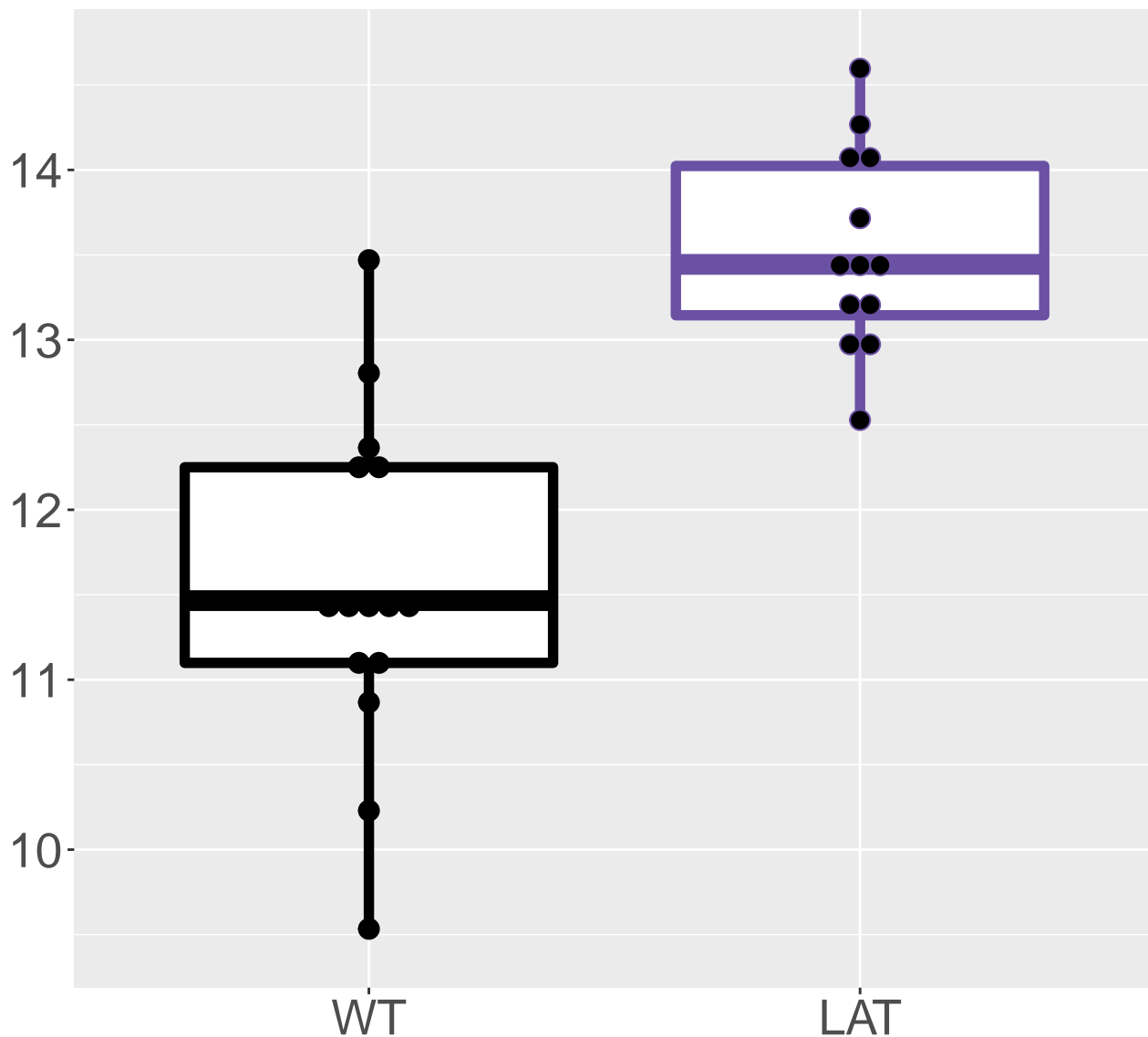


**M492.1428T141.71**

**FDR = 1.6e-05, FC = -1.8**

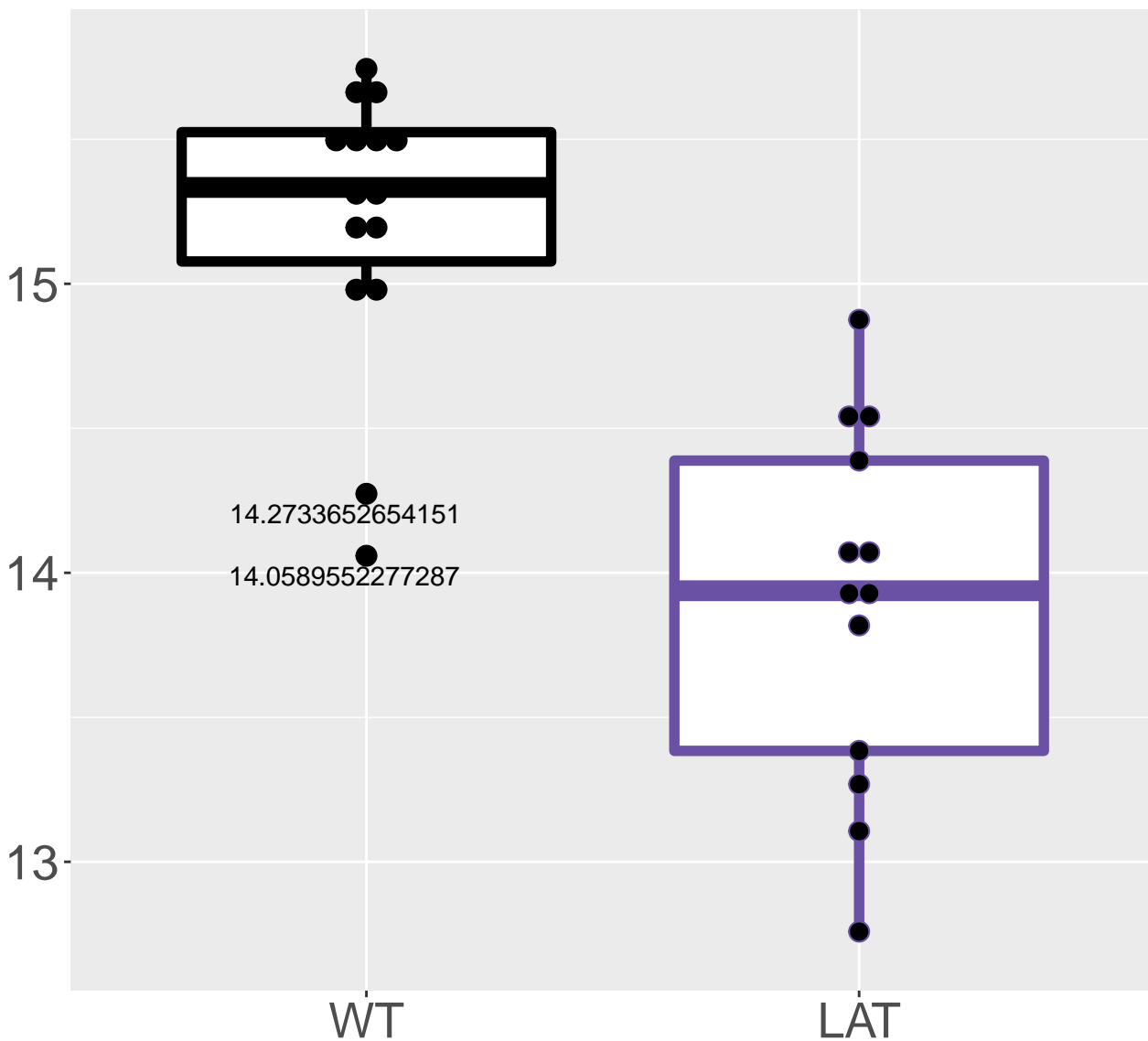


**M330.1704T250.35\_2**  
**FDR = 1.6e-05, FC = 2**



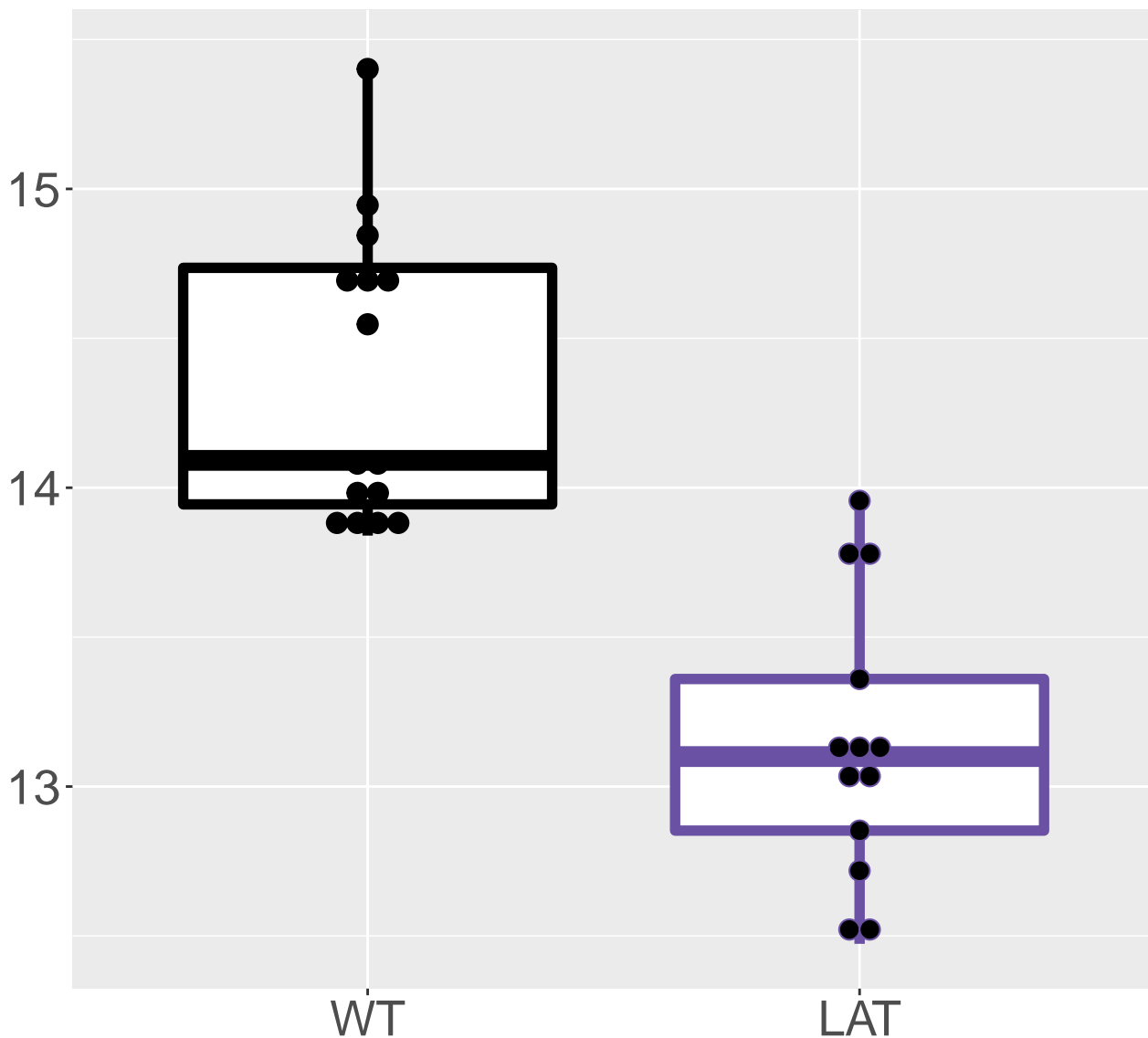
**M498.259T273.58**

**FDR = 1.6e-05, FC = -1.3**

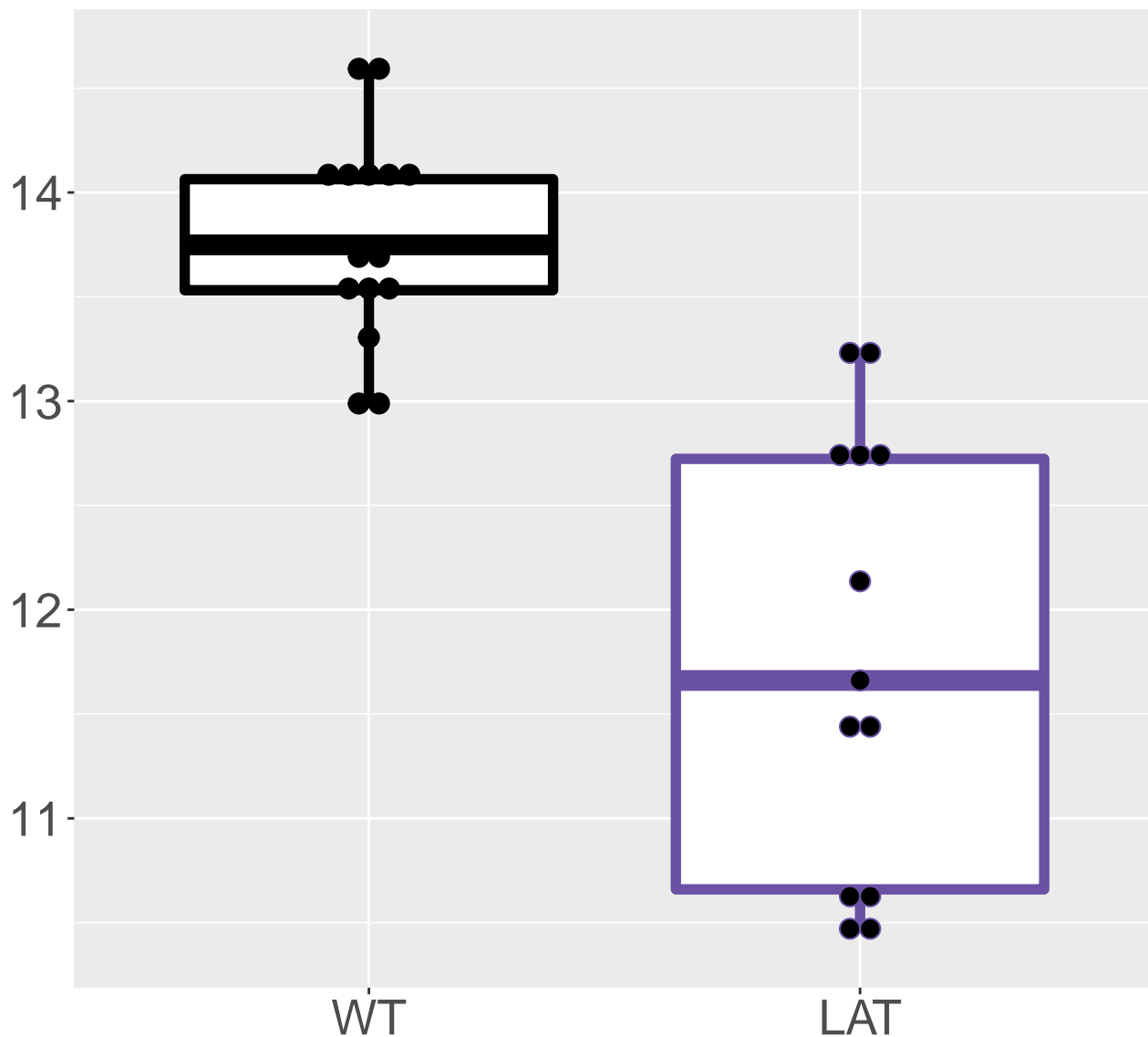


**M665.5351T388.72**

**FDR = 1.8e-05, FC = -1.2**

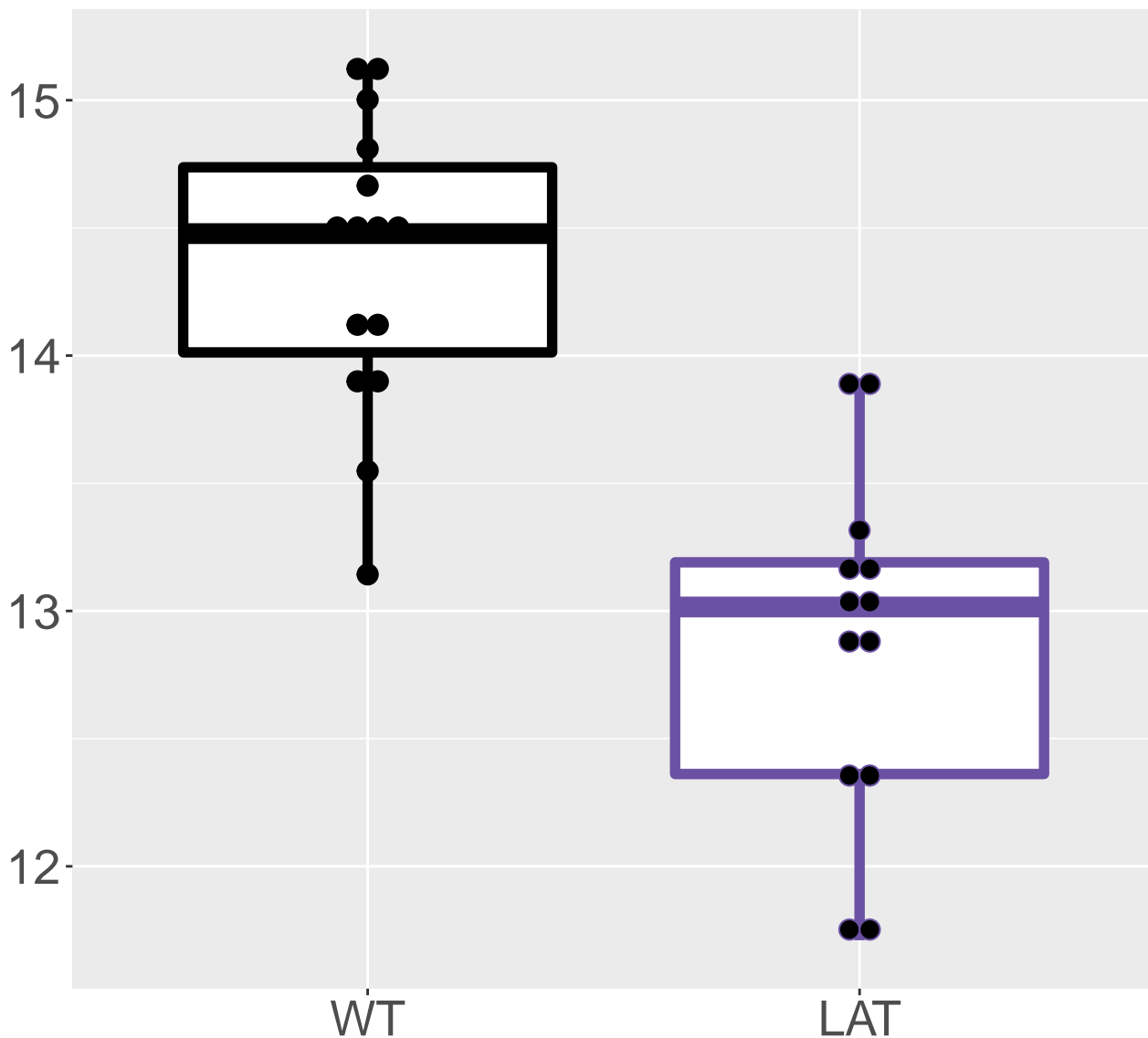


**M519.5316T313.85\_1**  
**FDR = 1.9e-05, FC = -2**



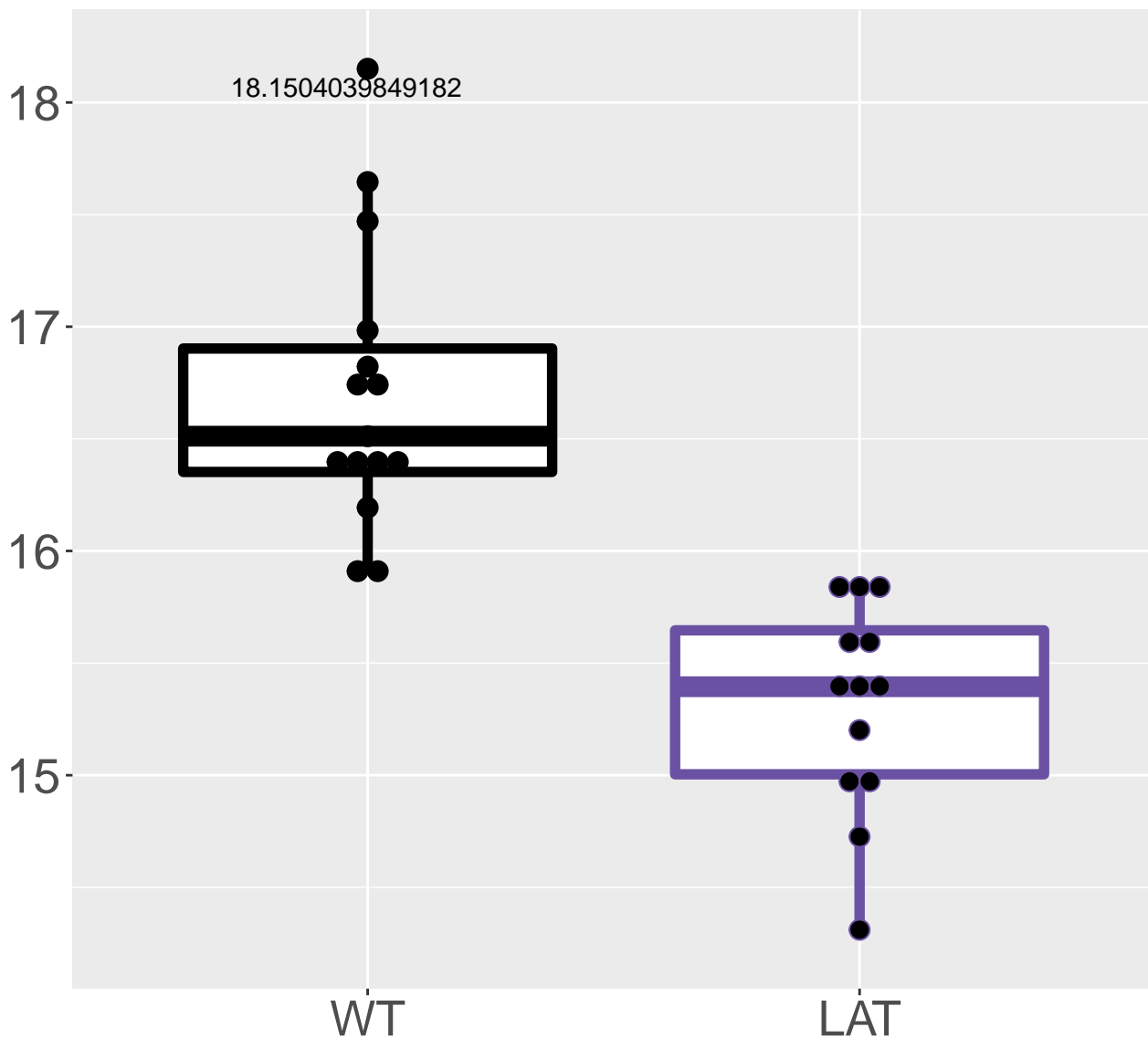
**M584.1606T338.68\_3**

**FDR = 1.9e-05, FC = -1.5**

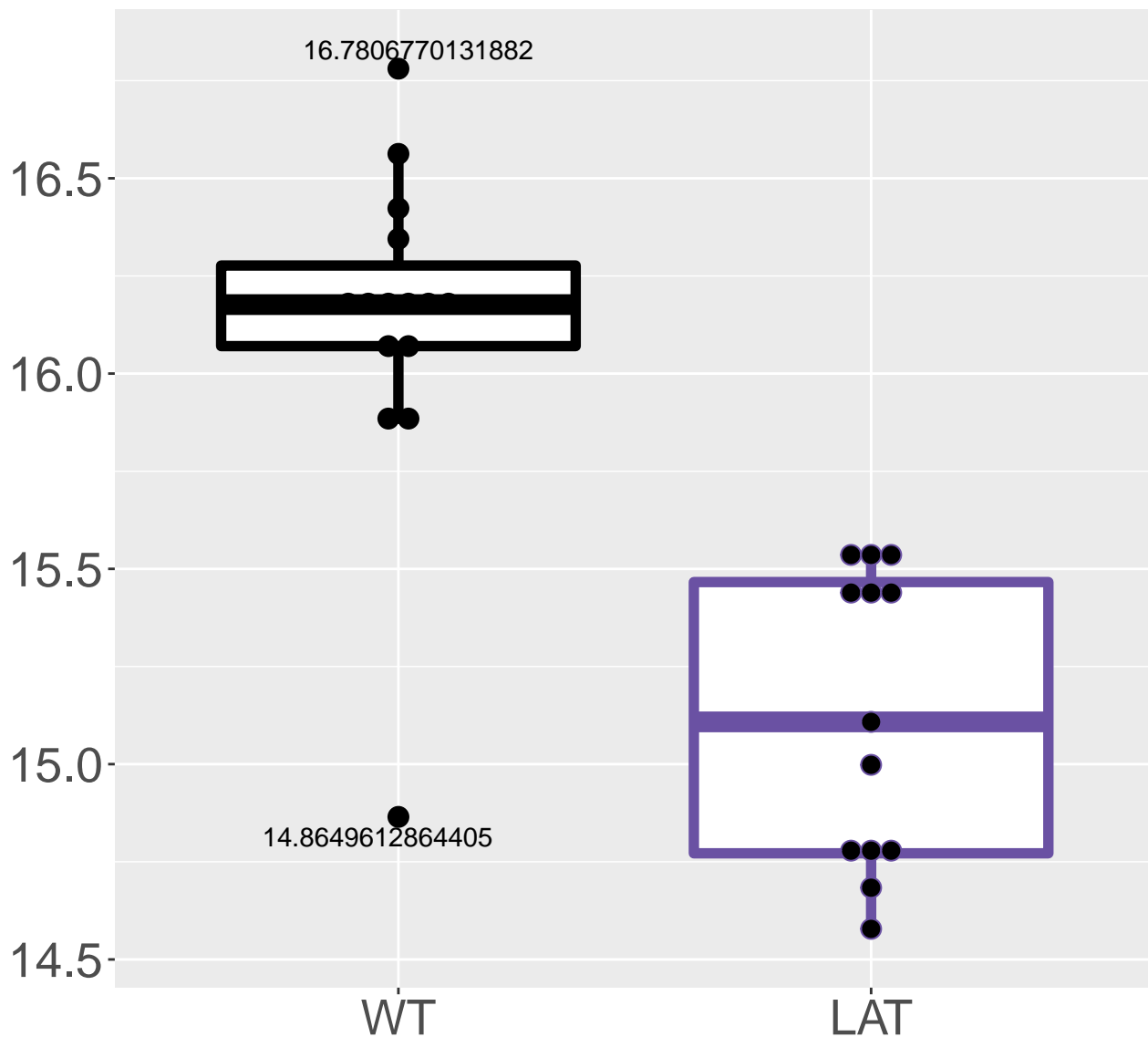


**M312.132T153.08**

**FDR = 1.9e-05, FC = -1.4**



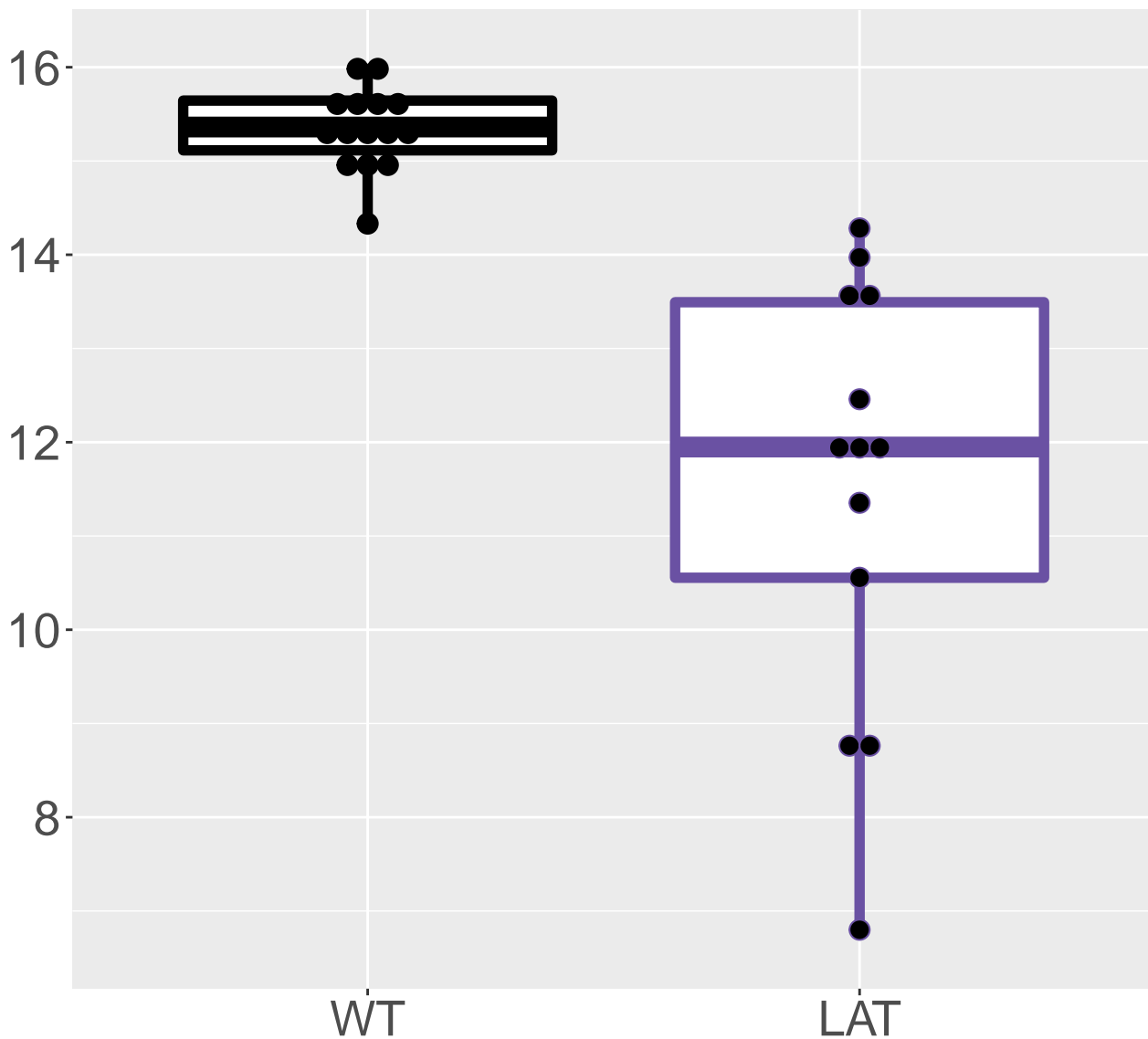
**M922.8391T377.47**  
**FDR = 1.9e-05, FC = -1**





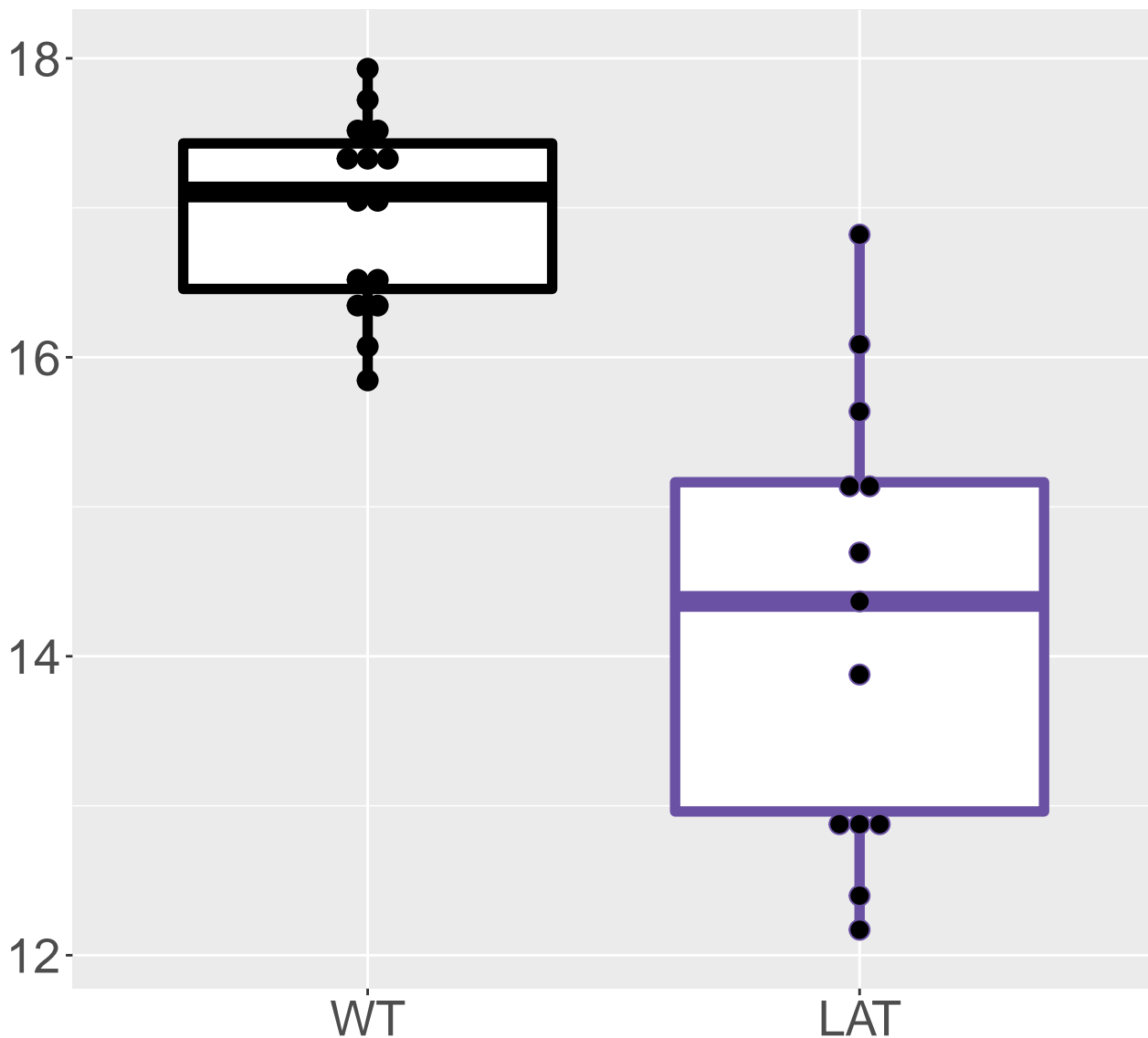
**M278.4088T161.54\_2**

**FDR =  $2.1\text{e-}05$ , FC = -3.8**



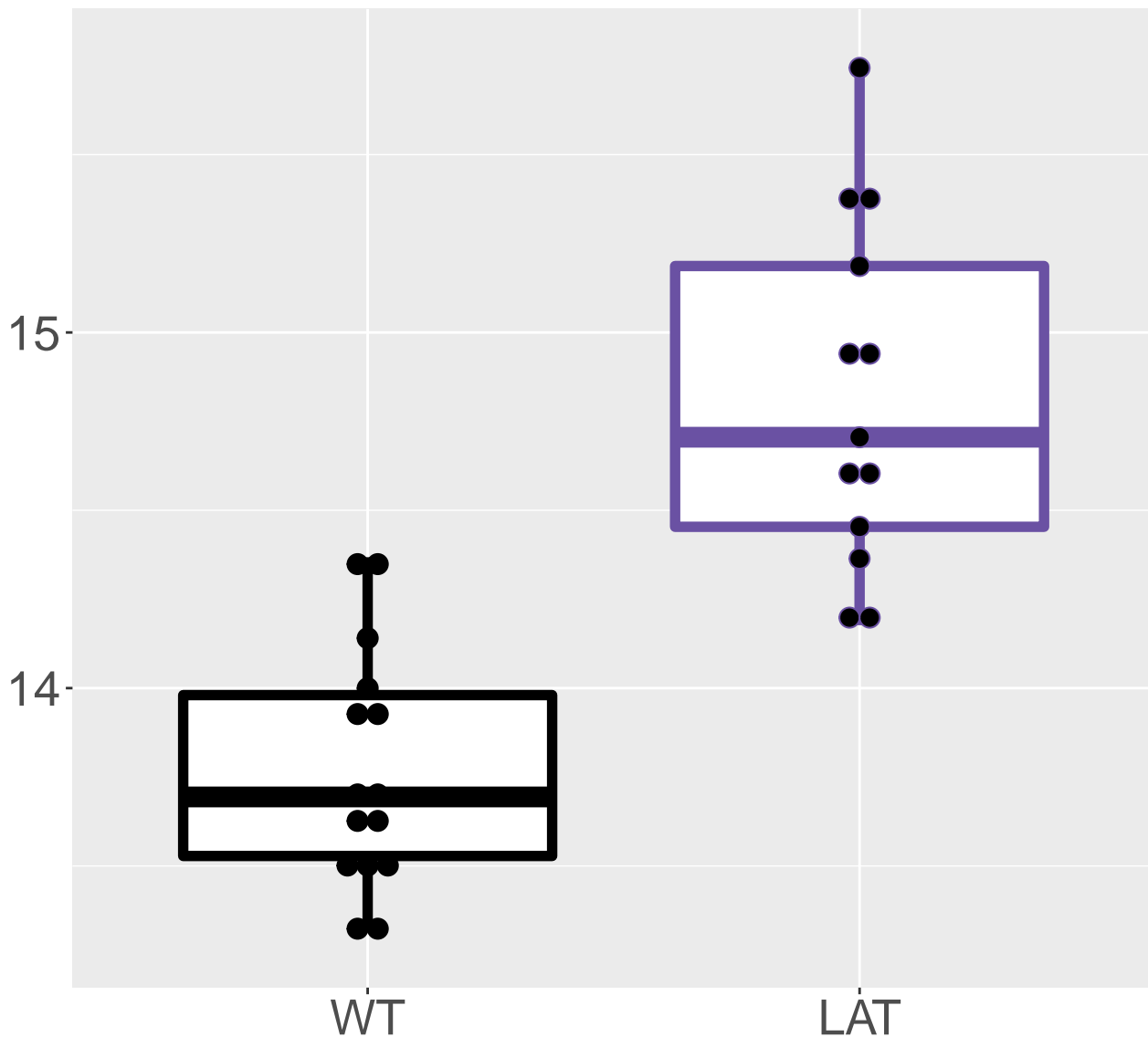
**M636.2728T75.89**

**FDR =  $2.1\text{e-}05$ , FC = -2.7**



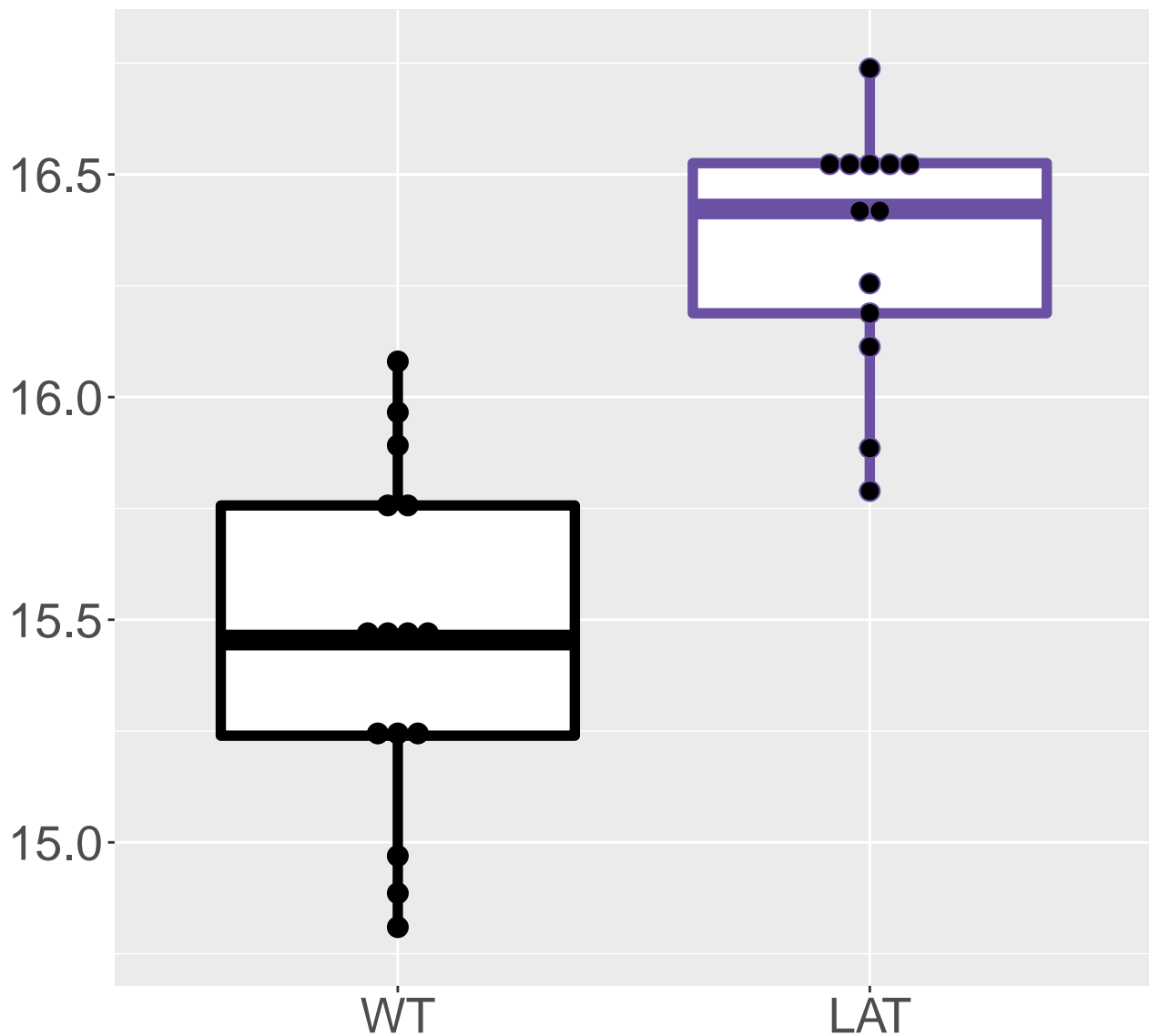
**M309.2282T394.63**

**FDR =  $2.1\text{e-}05$ , FC = 1.1**



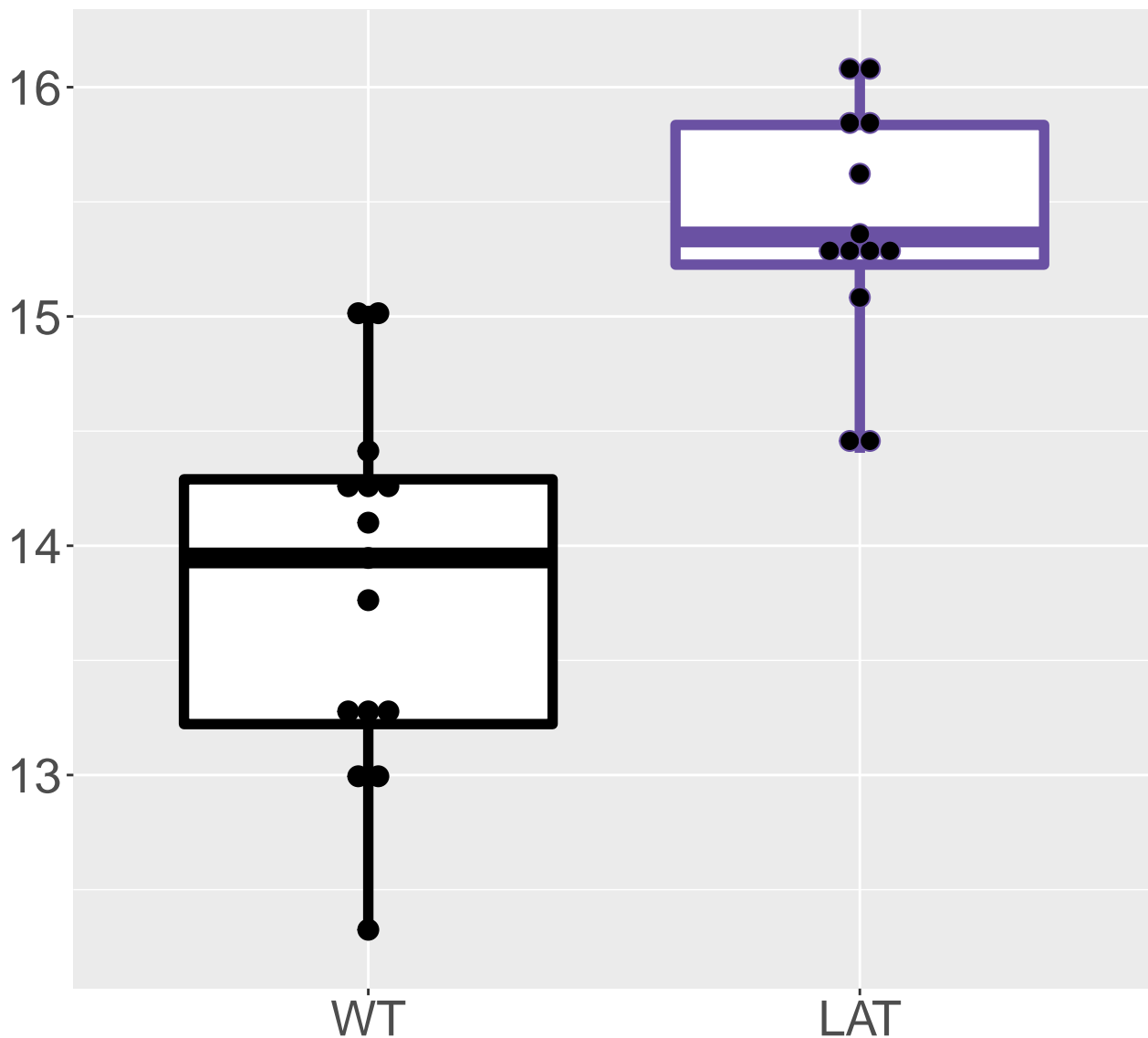
**M293.0646T52.2\_1**

**FDR = 2.1e-05, FC = 0.89**



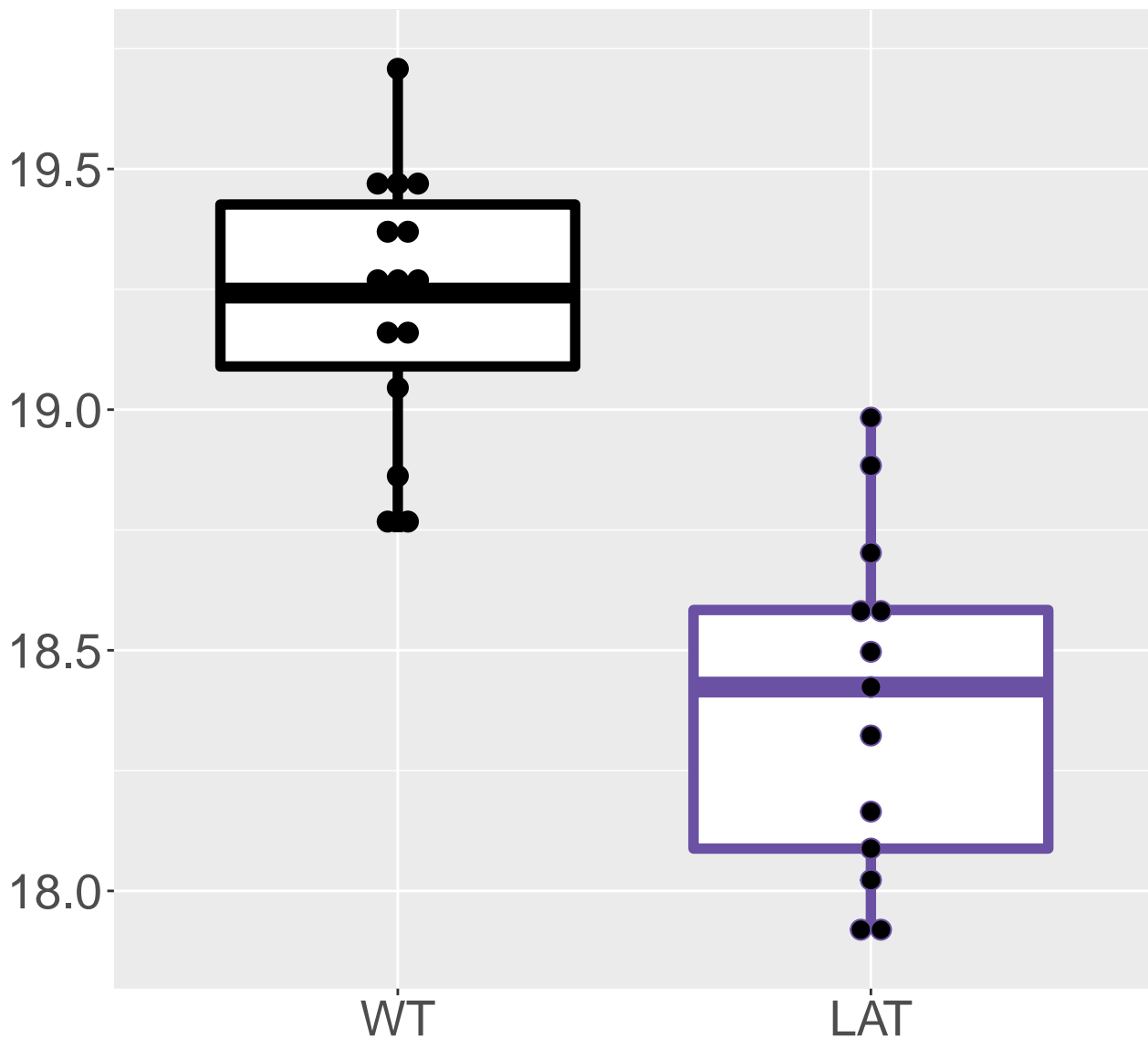
**M575.1541T330.33\_2**

**FDR = 2.1e-05, FC = 1.6**



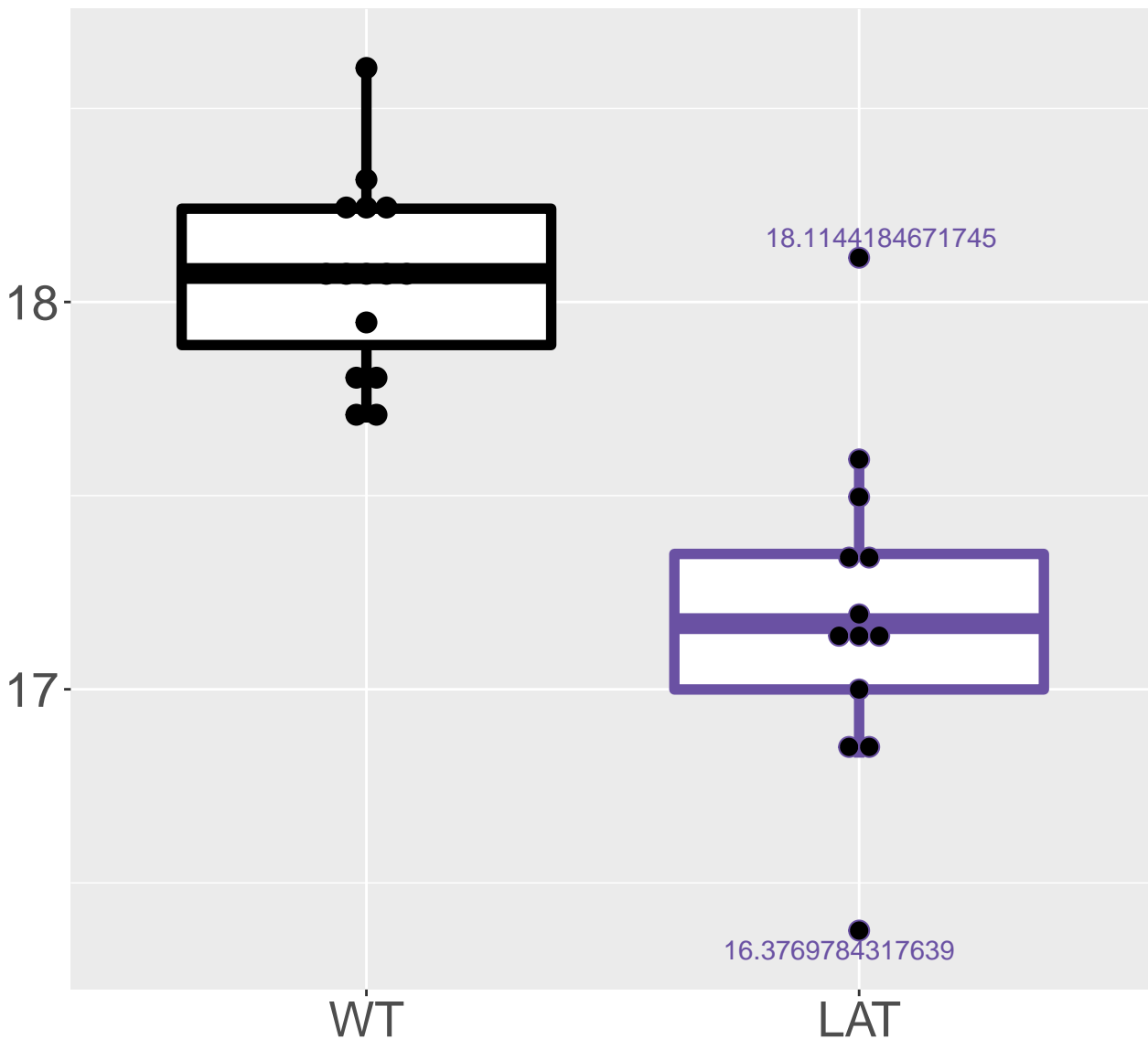
**M462.1839T48.83**

**FDR =  $2.1\text{e-}05$ , FC =  $-0.83$**



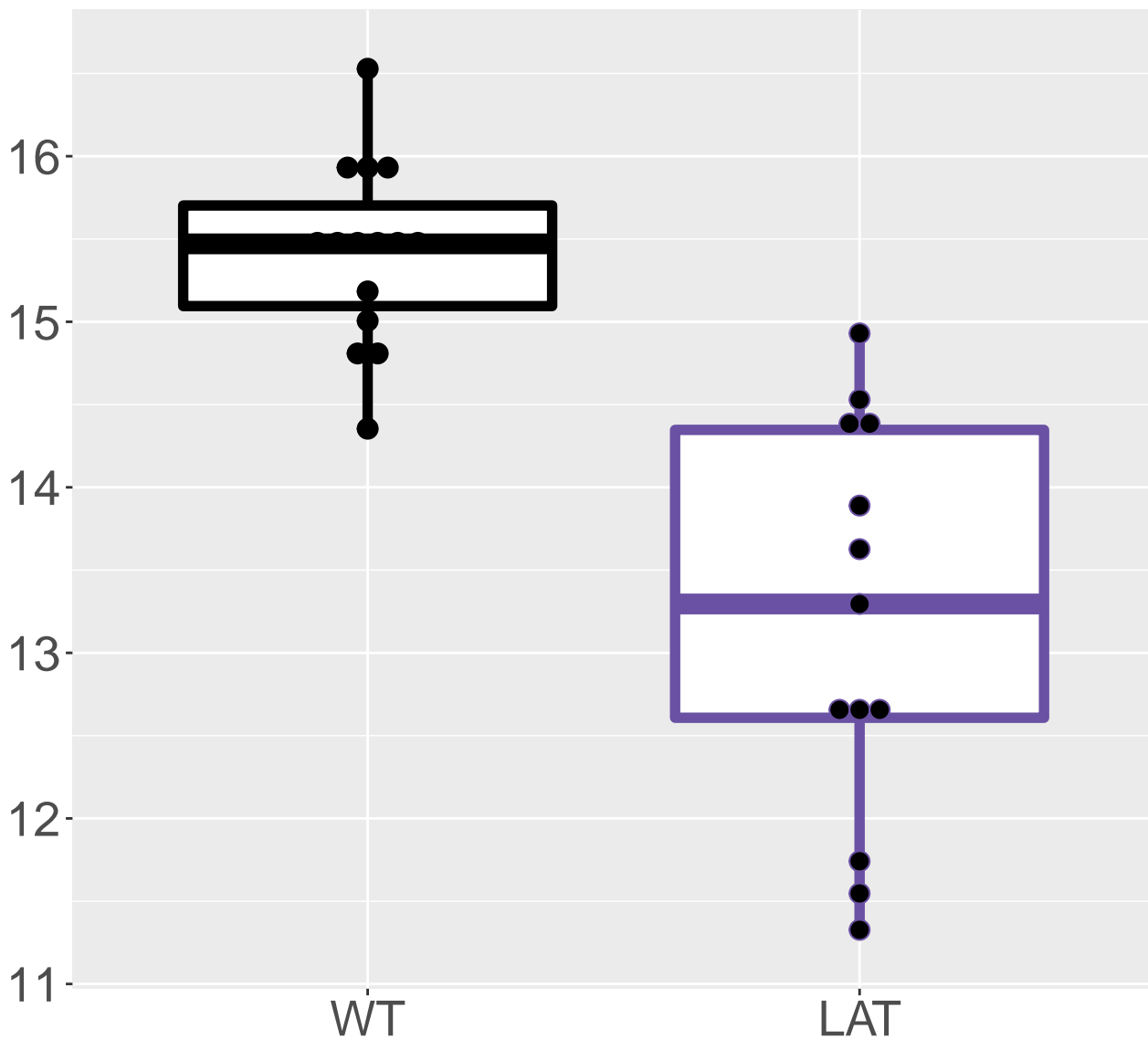
**M650.2102T55.97**

**FDR =  $2.2e-05$ , FC =  $-0.87$**



**M508.9834T320.51**

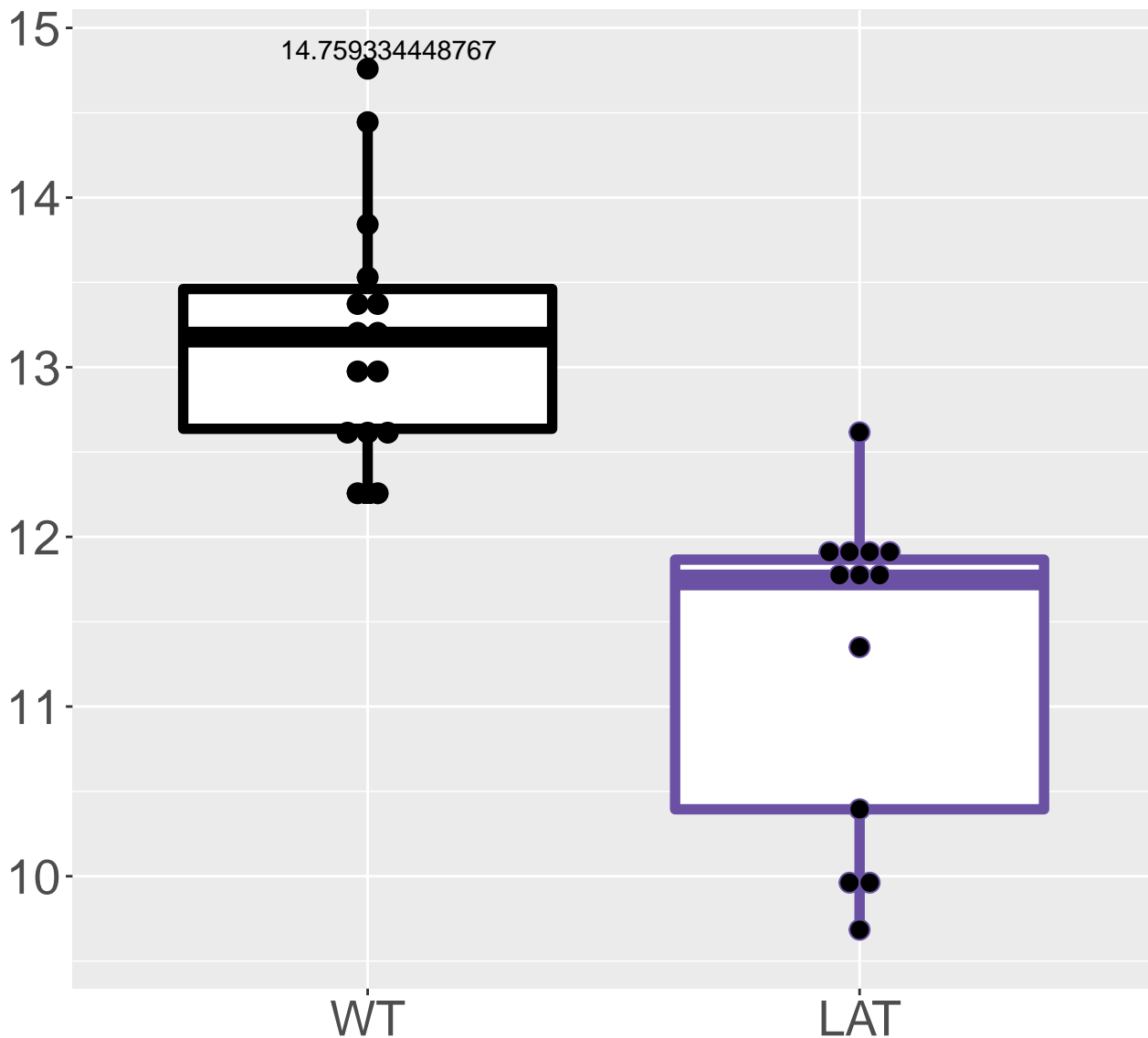
**FDR =  $2.2e-05$ , FC = -2.2**





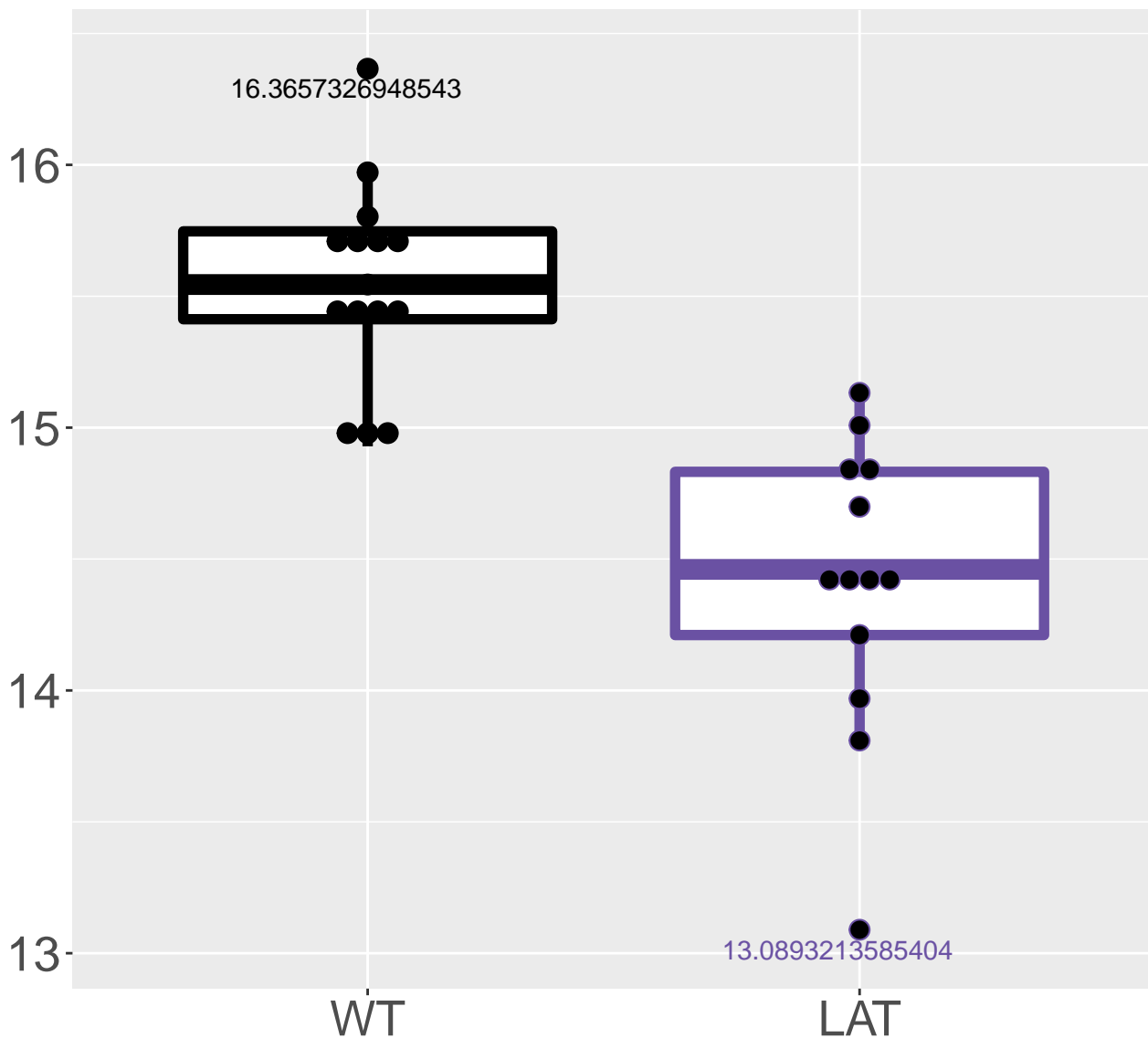
**M439.1849T133.98**

**FDR =  $2.2e-05$ , FC =  $-1.9$**



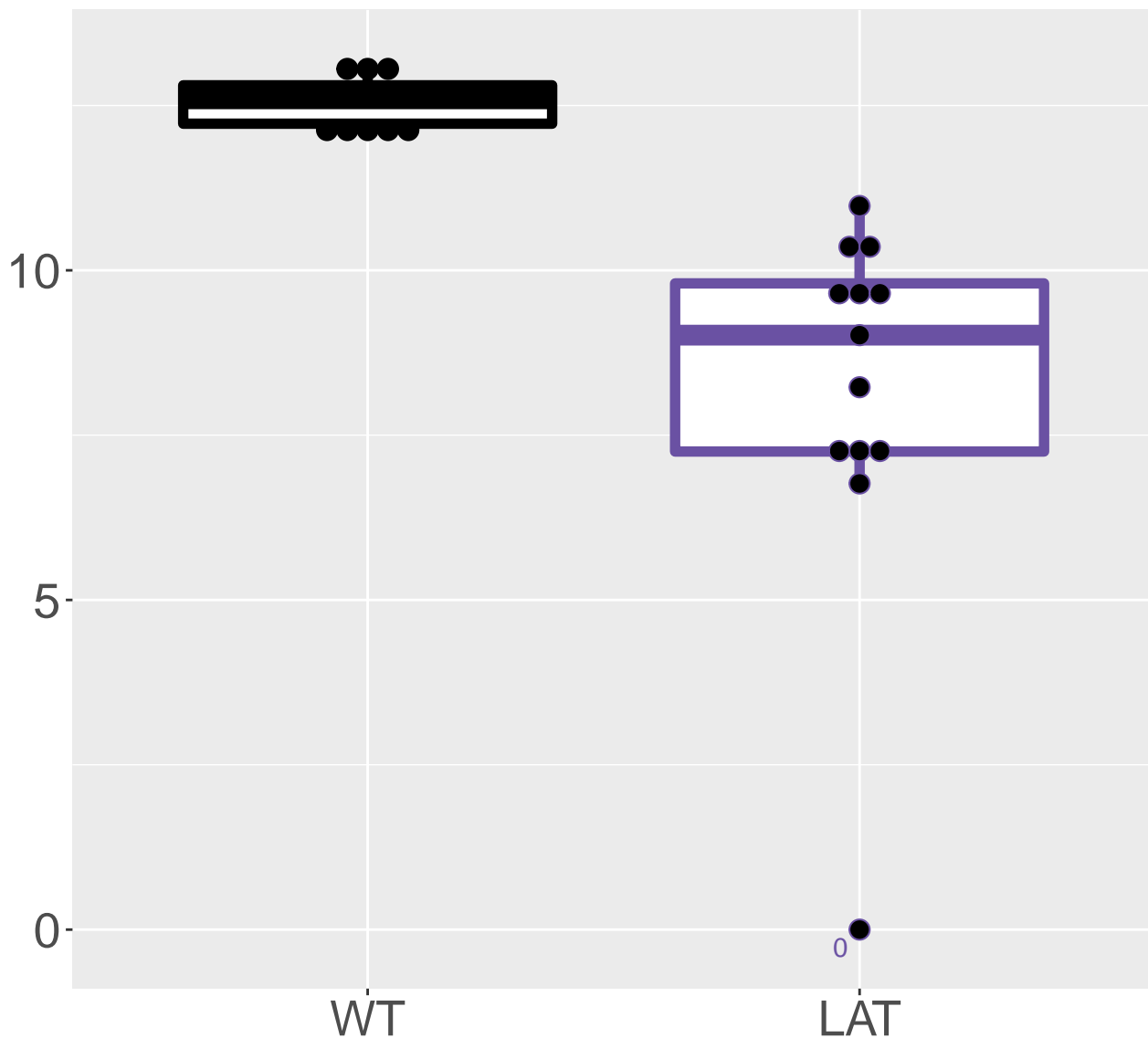
**M415.2245T226.85**

**FDR =  $2.2e-05$ , FC =  $-1.1$**

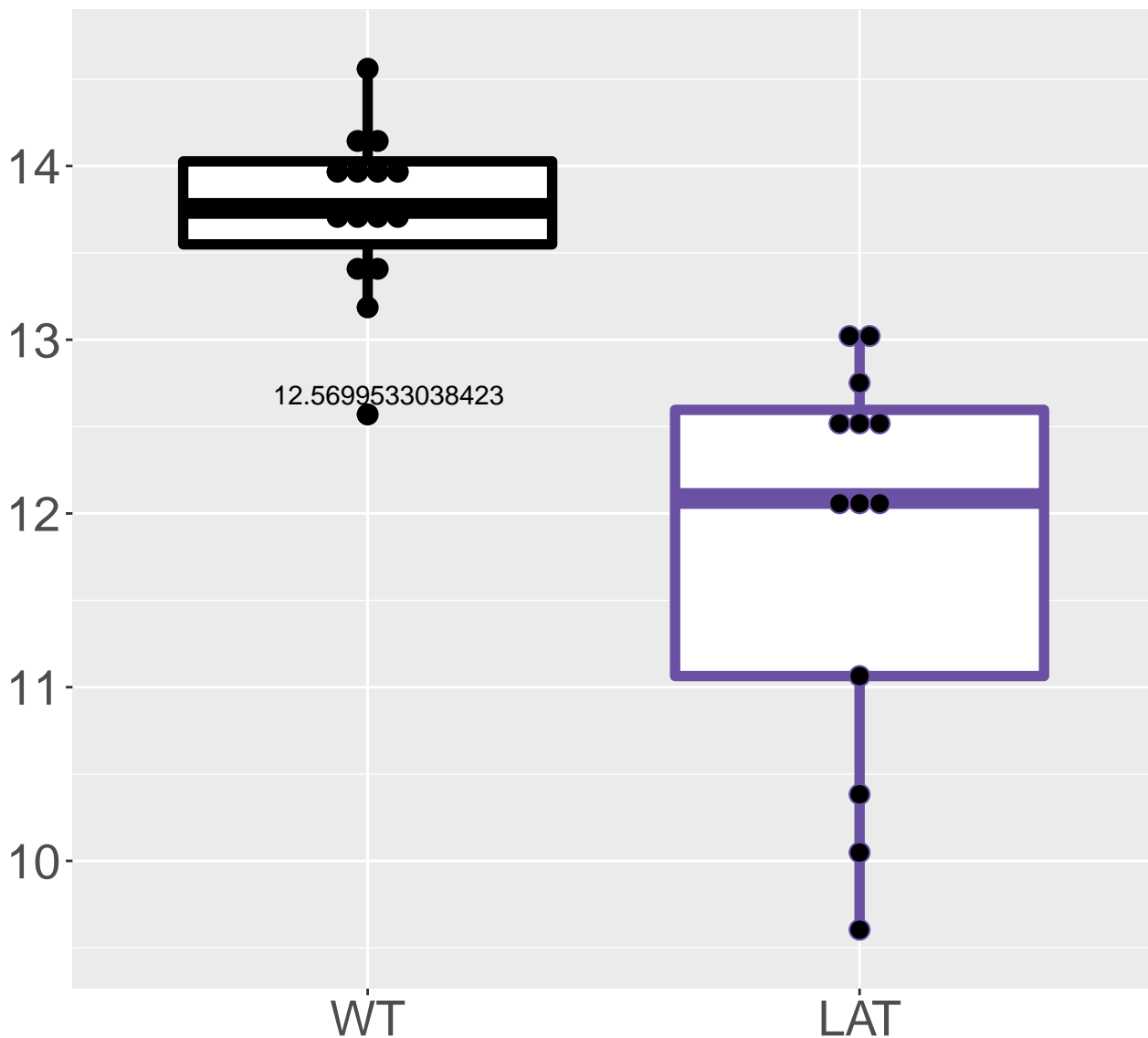


**M257.8099T201.7**

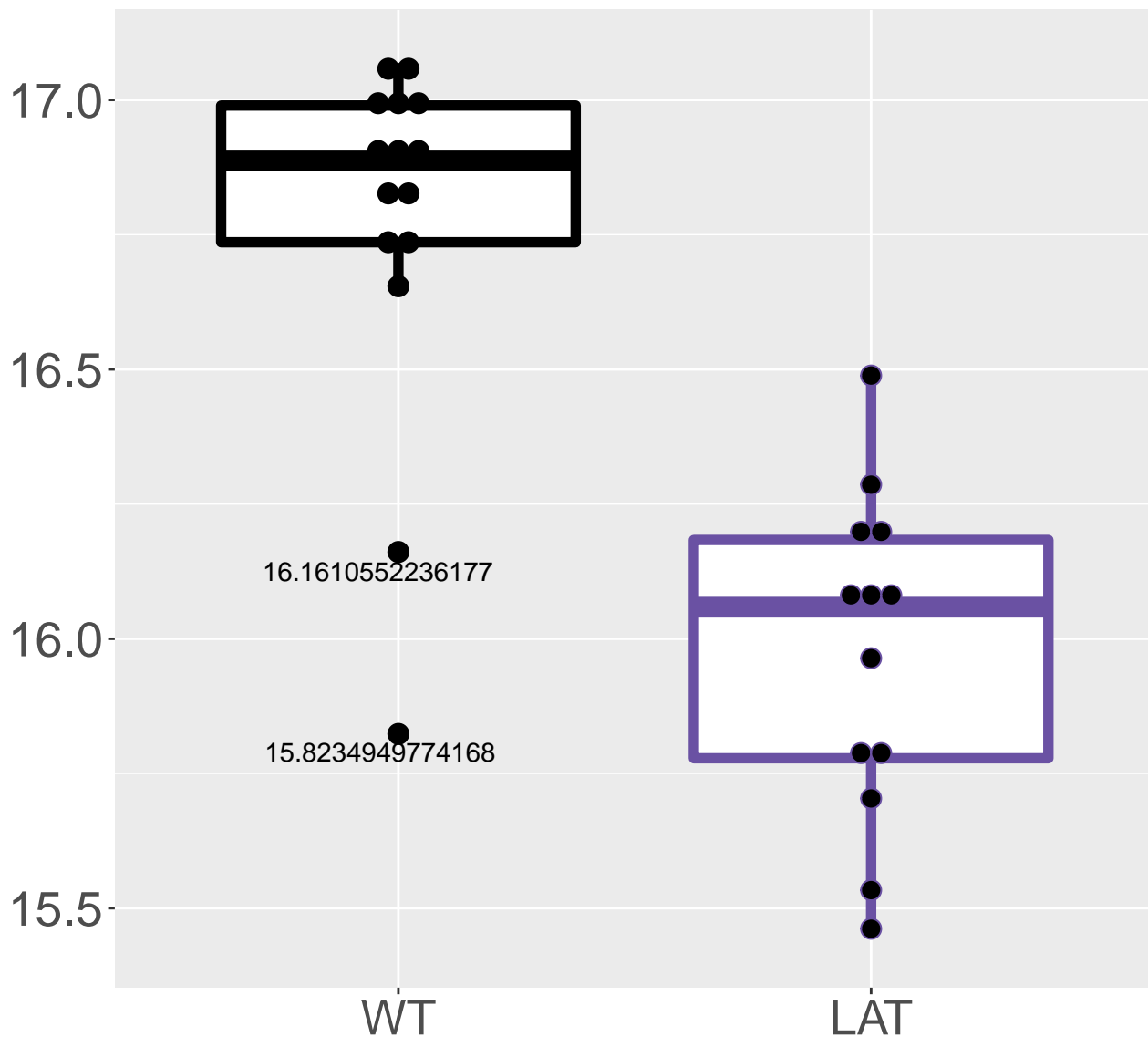
**FDR =  $2.3e-05$ , FC = -4.4**



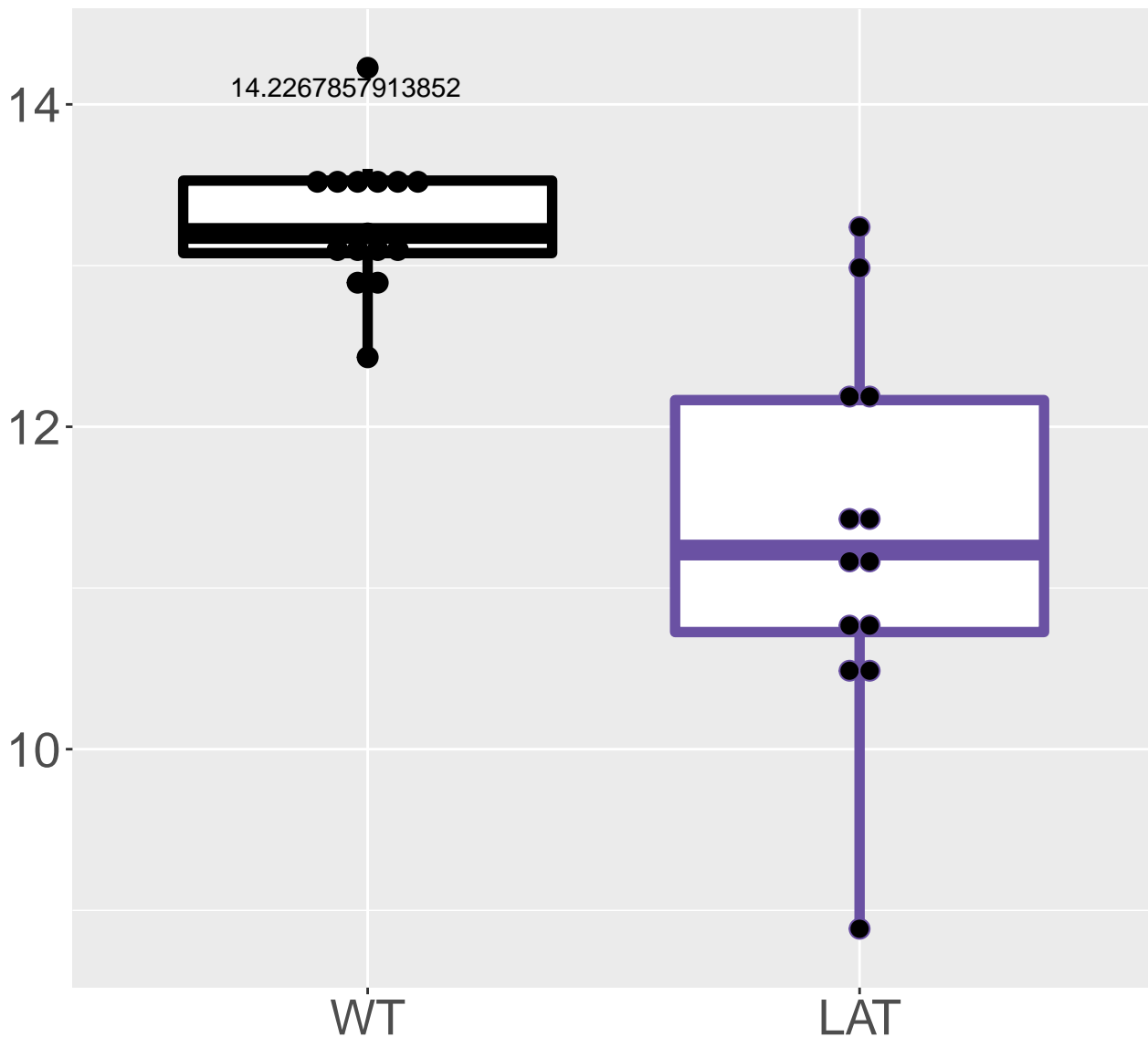
**M441.8505T262.02\_1**  
**FDR = 2.4e-05, FC = -1.9**



**M128.1728T75.48\_37**  
**FDR = 2.5e-05, FC = -0.8**

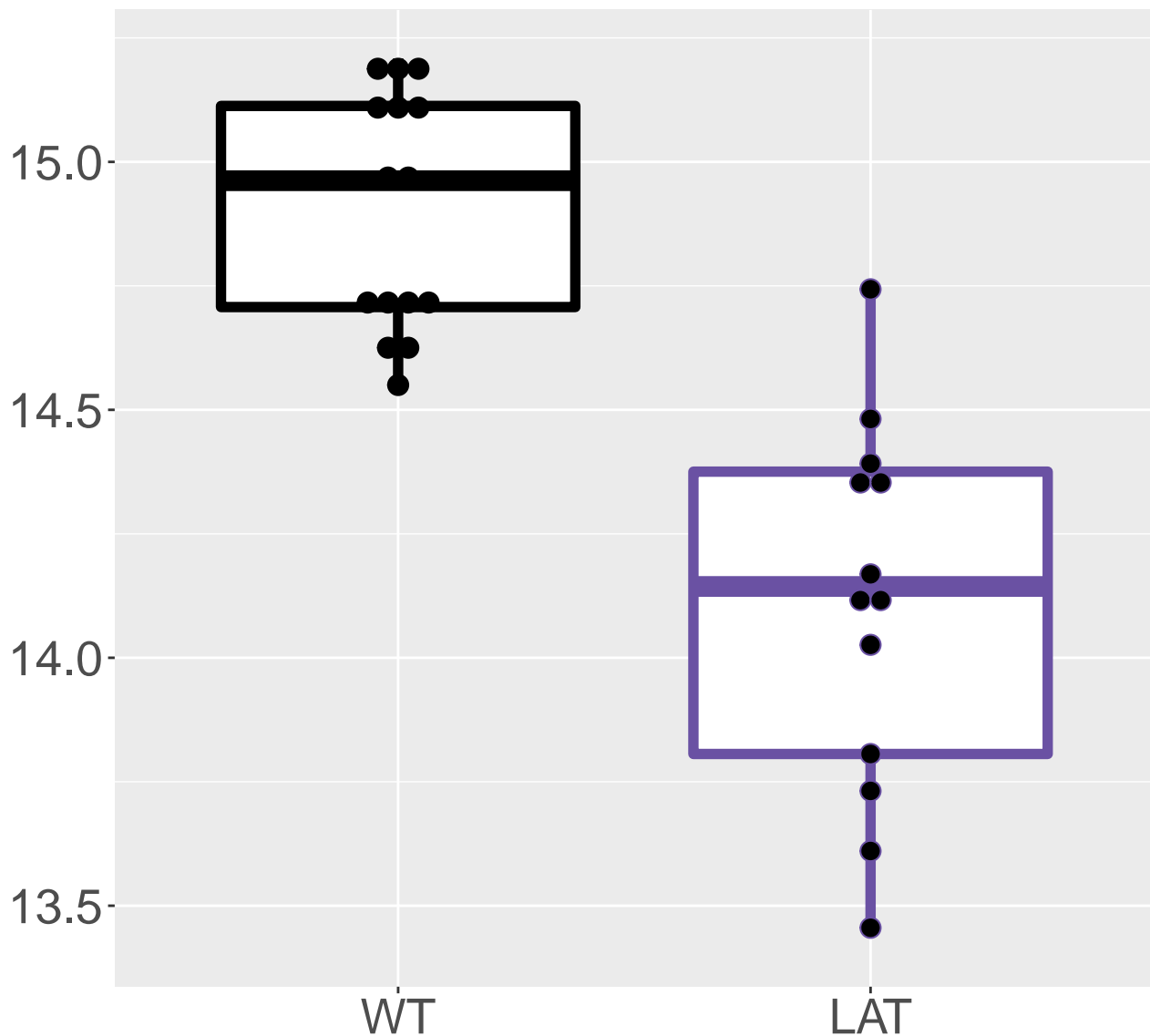


**M464.7797T264.7**  
**FDR = 2.5e-05, FC = -2**



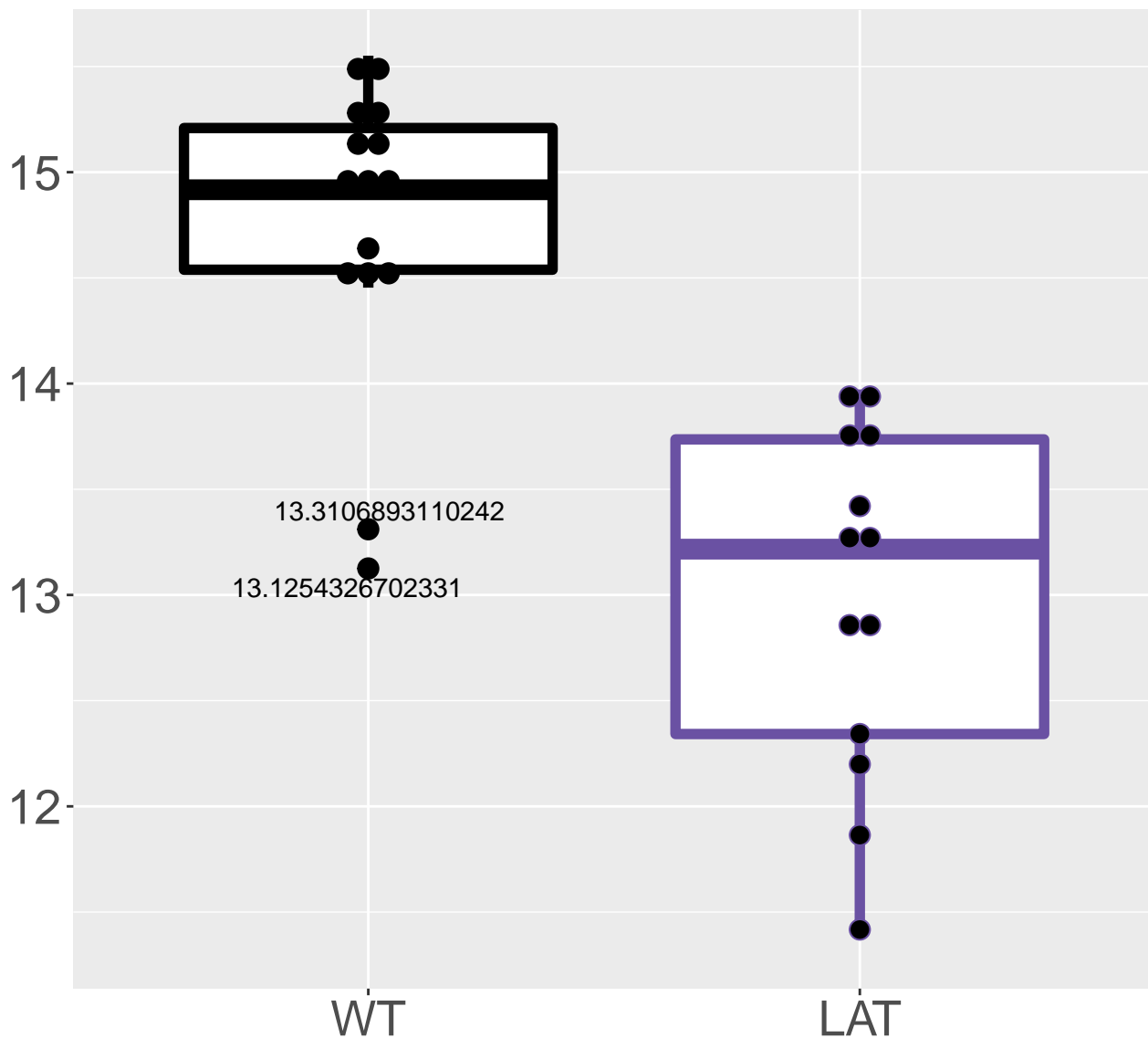
**M474.7573T267.81**

**FDR =  $2.5e-05$ , FC =  $-0.8$**



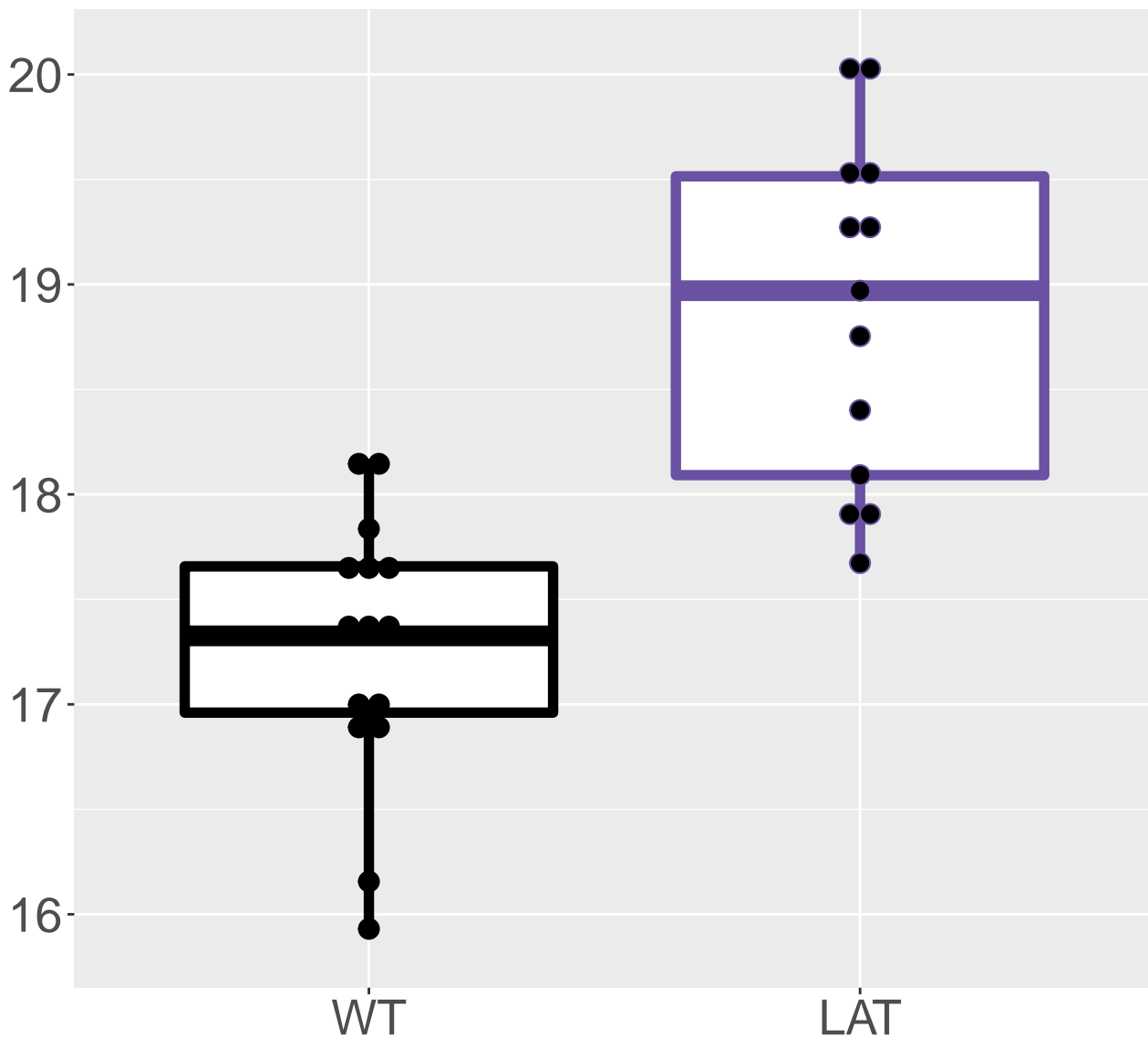
**M334.2156T238.87**

**FDR = 2.5e-05, FC = -1.8**



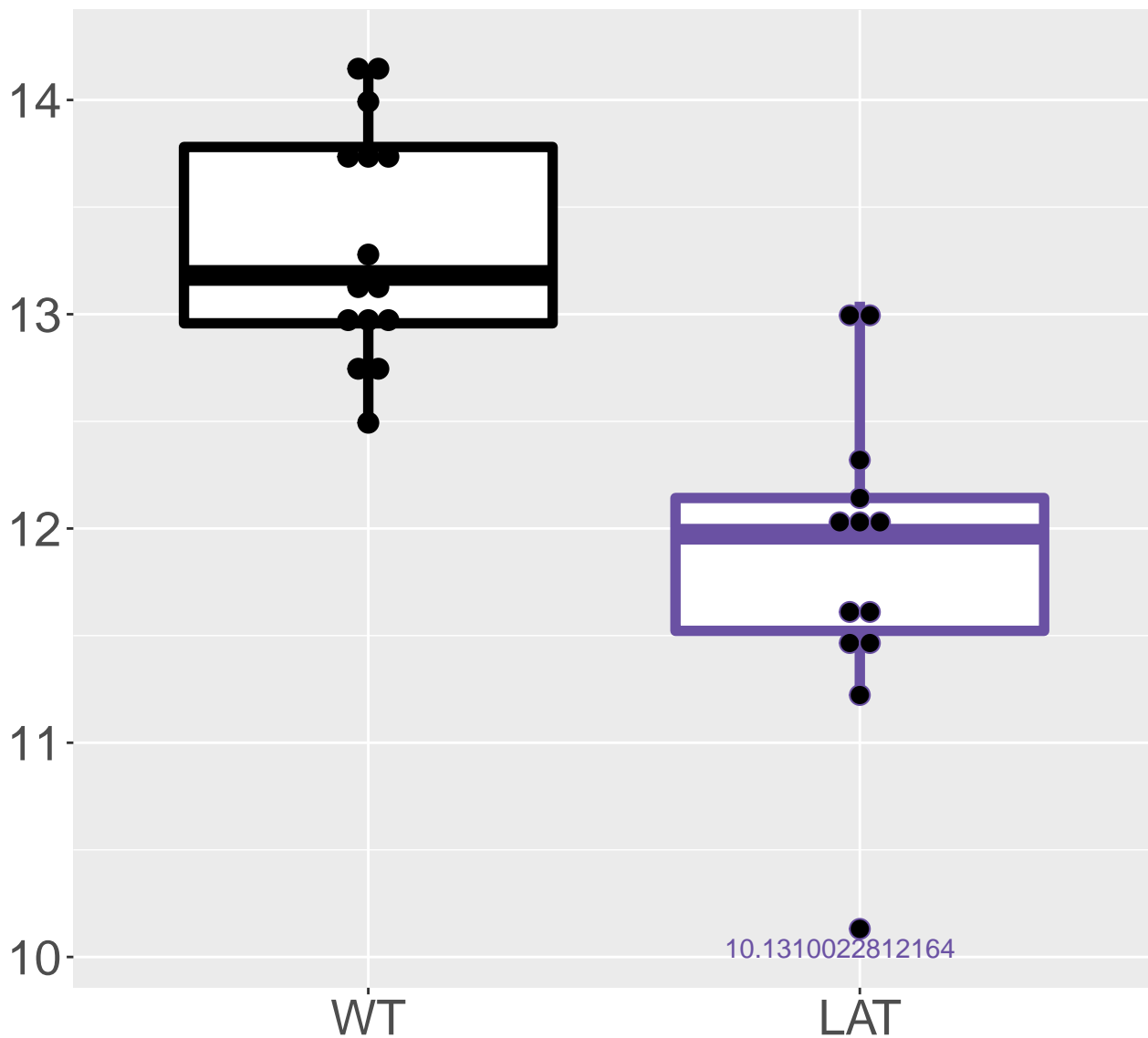


**N-Acetyl-L-methionine|N-Acetyl-D-penicillamine**  
**FDR = 2.6e-05, FC = 1.6**



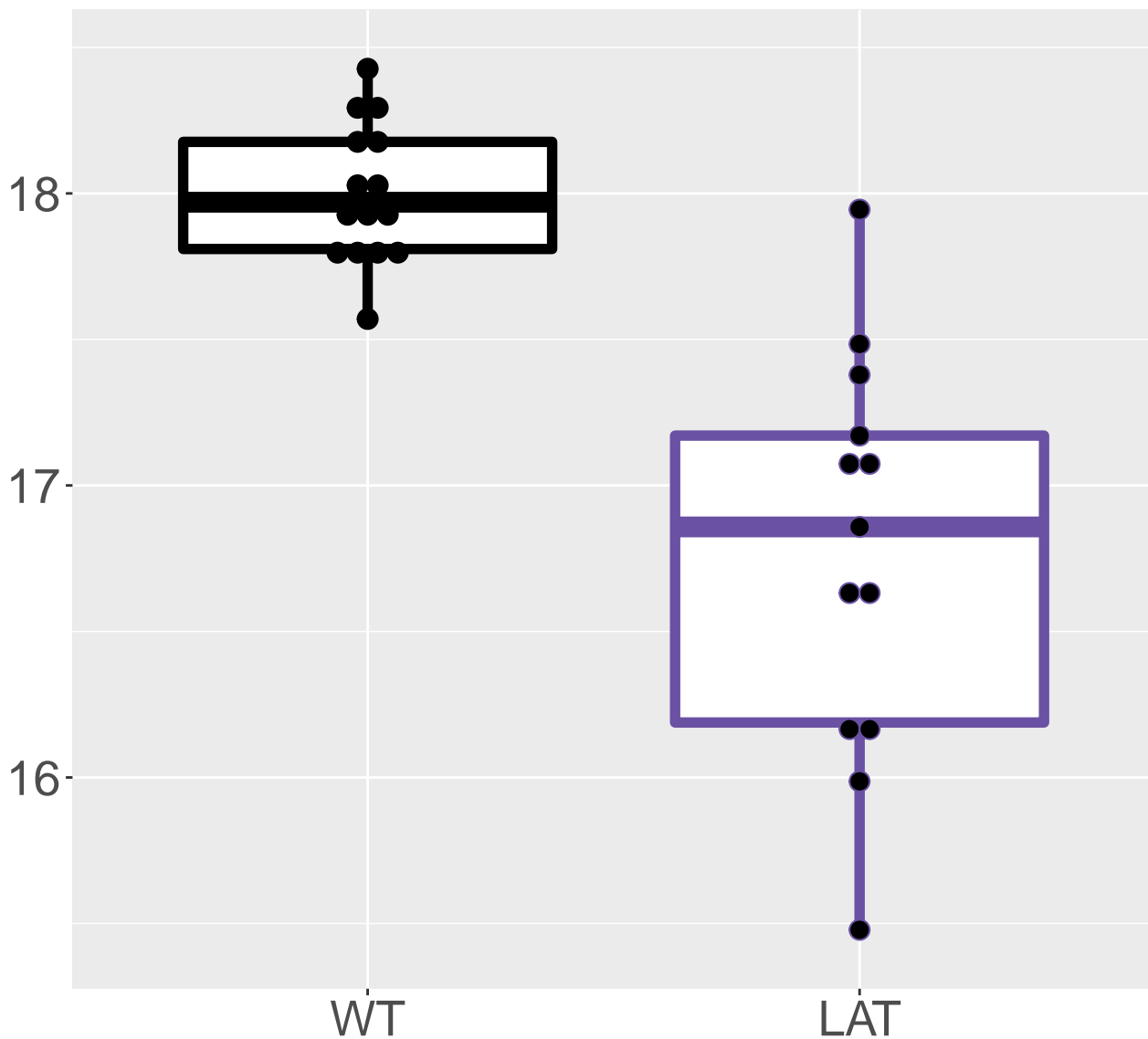
**M493.1507T141.75**

**FDR = 2.6e-05, FC = -1.5**



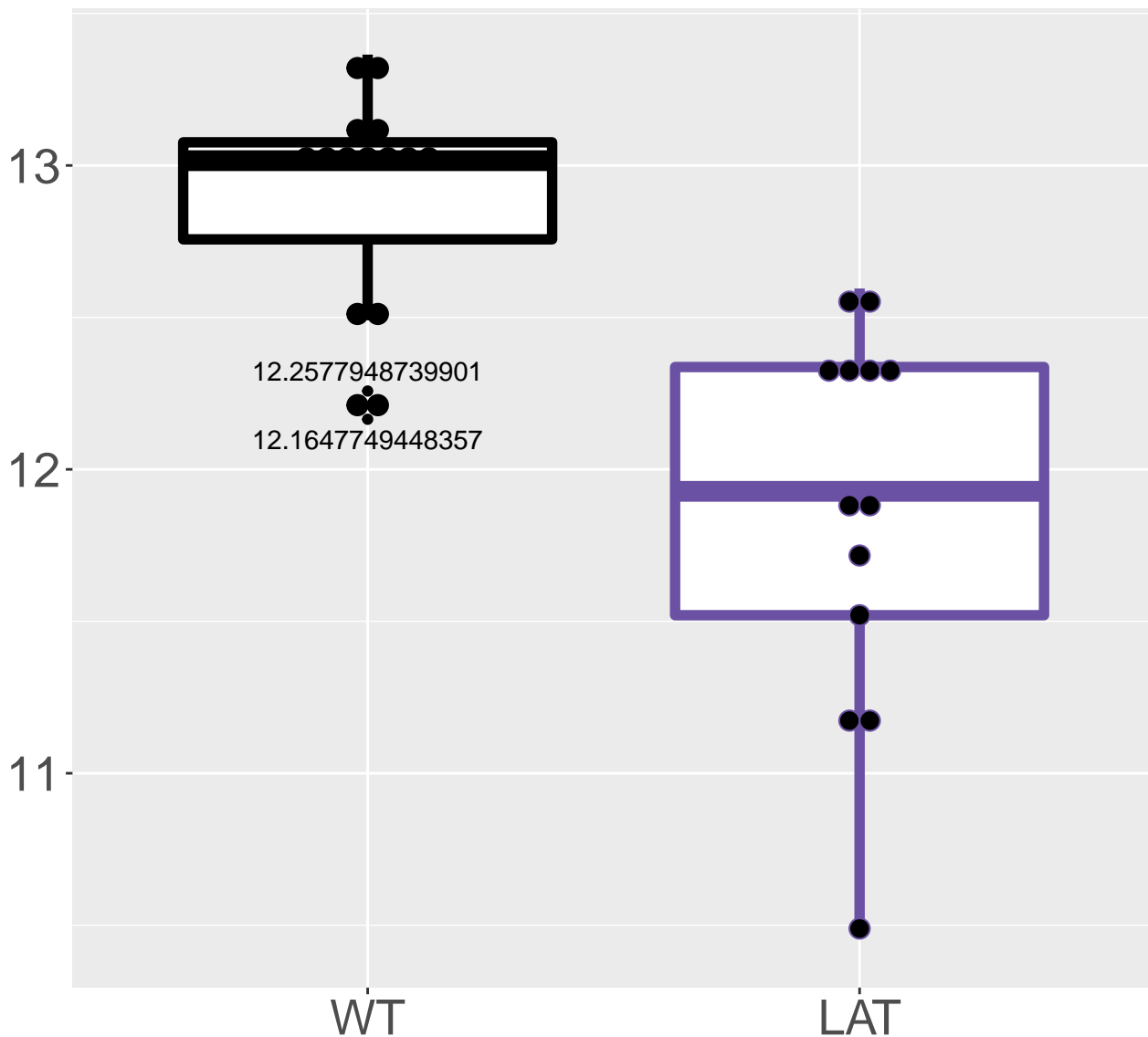
**M458.1891T49.57**

**FDR =  $2.6e-05$ , FC =  $-1.2$**



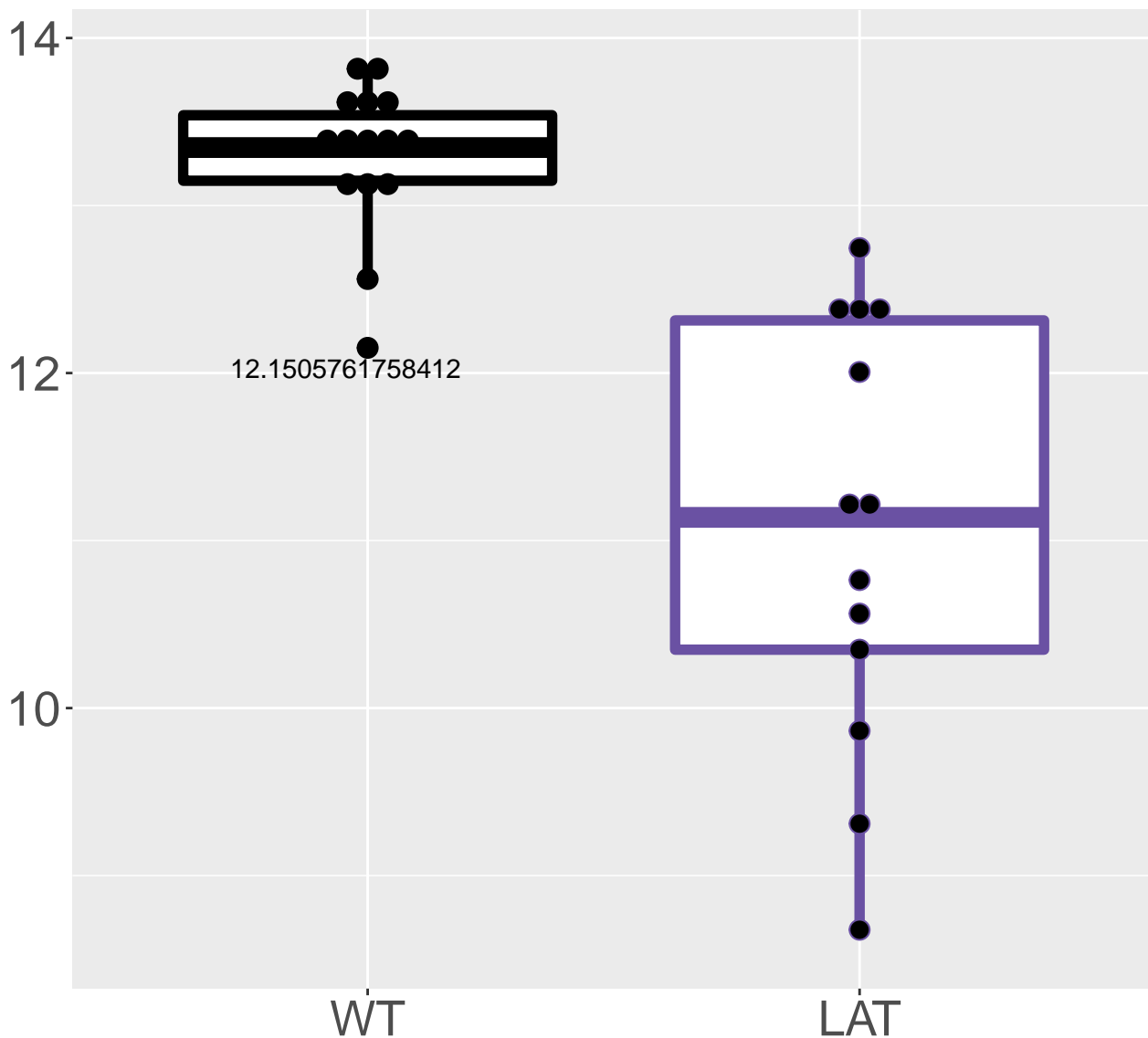
**M294.1664T261.96**

**FDR =  $2.7\text{e-}05$ , FC = -1**

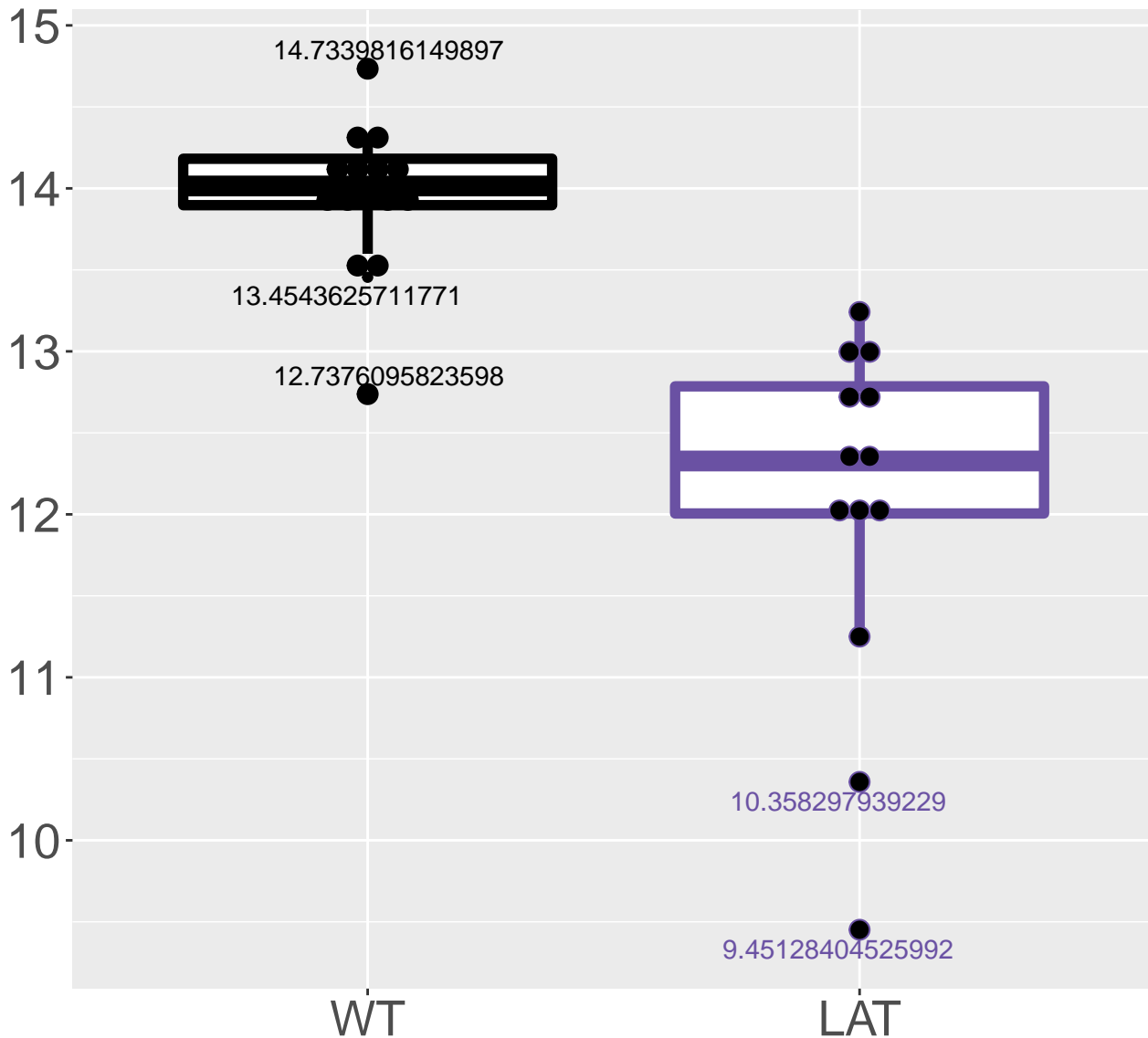


**M575.8126T338.3**

**FDR = 2.7e-05, FC = -2.2**

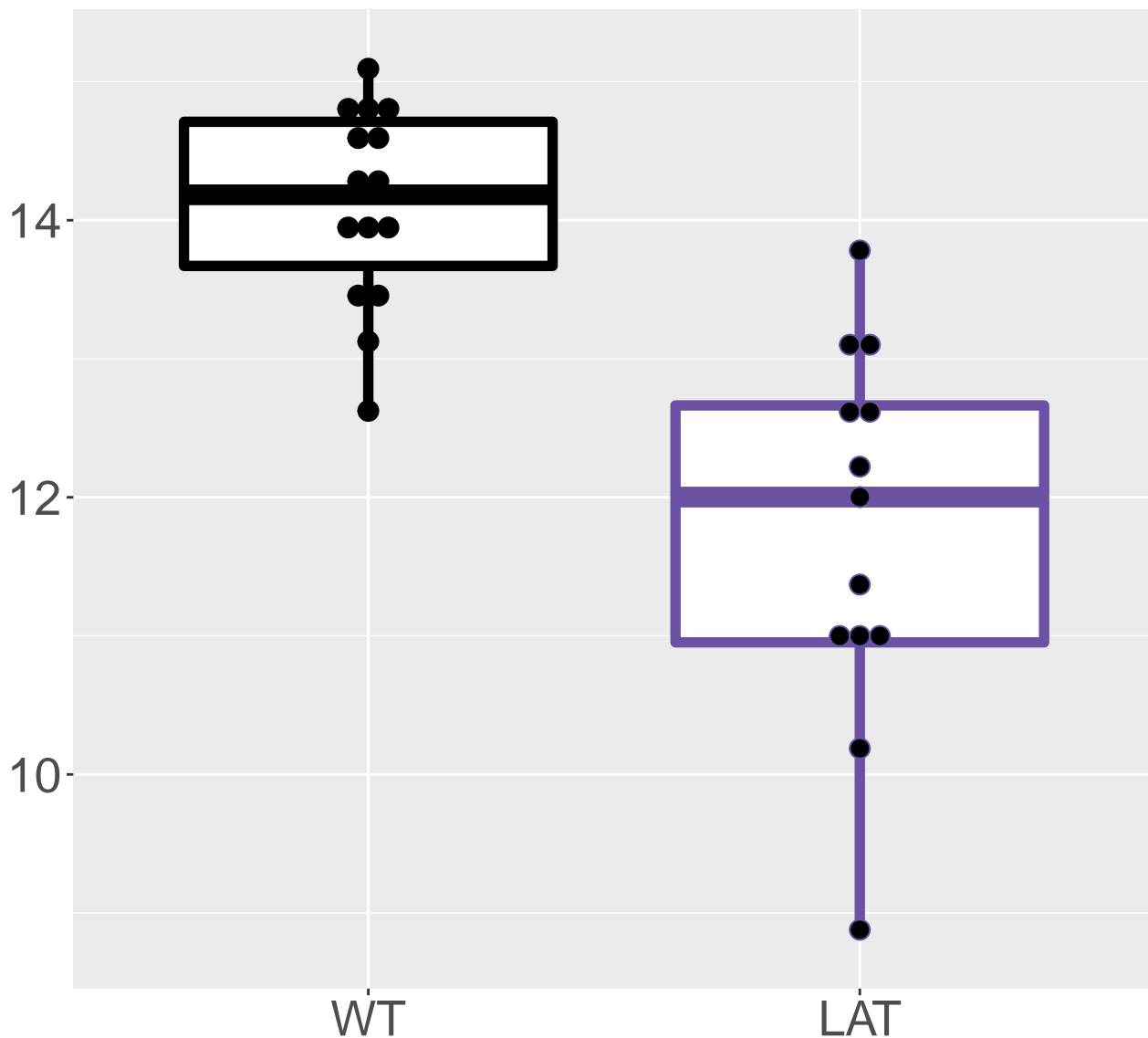


**M442.0514T261.98\_2**  
**FDR = 2.7e-05, FC = -1.9**



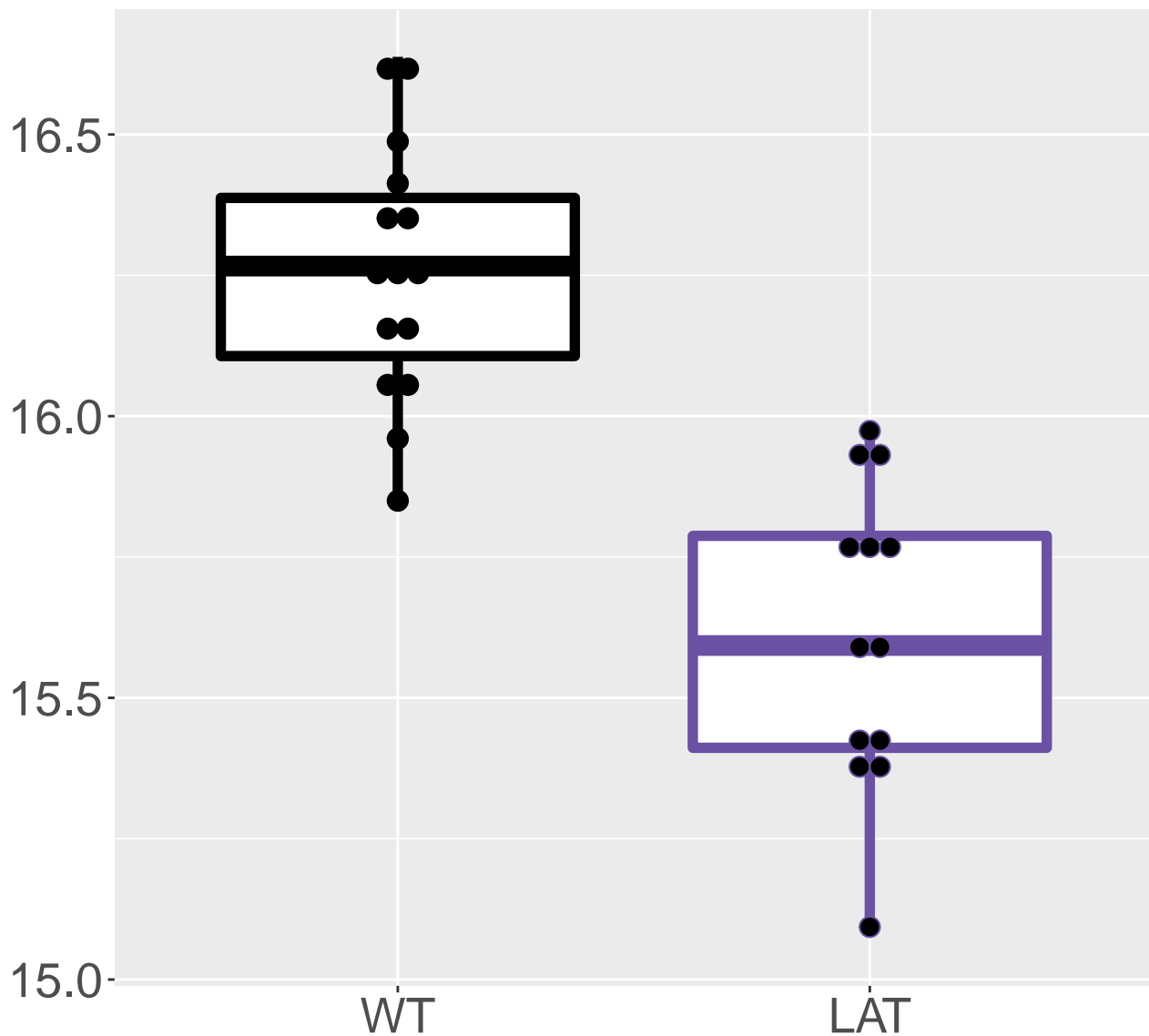
**M439.2473T331.22\_2**

**FDR =  $2.8e-05$ , FC = -2.4**



**M692.18T113.19**

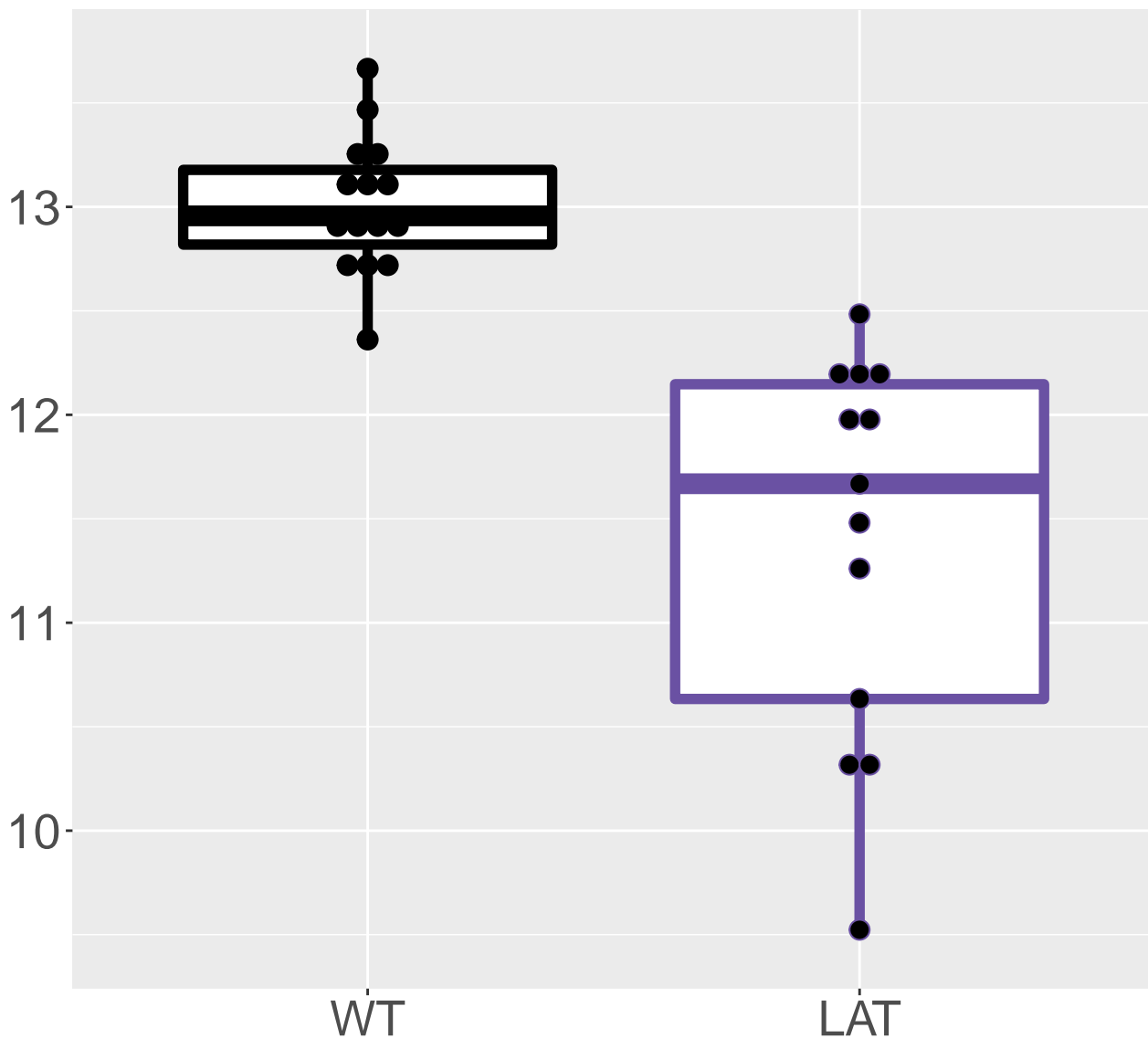
**FDR =  $2.8e-05$ , FC =  $-0.64$**





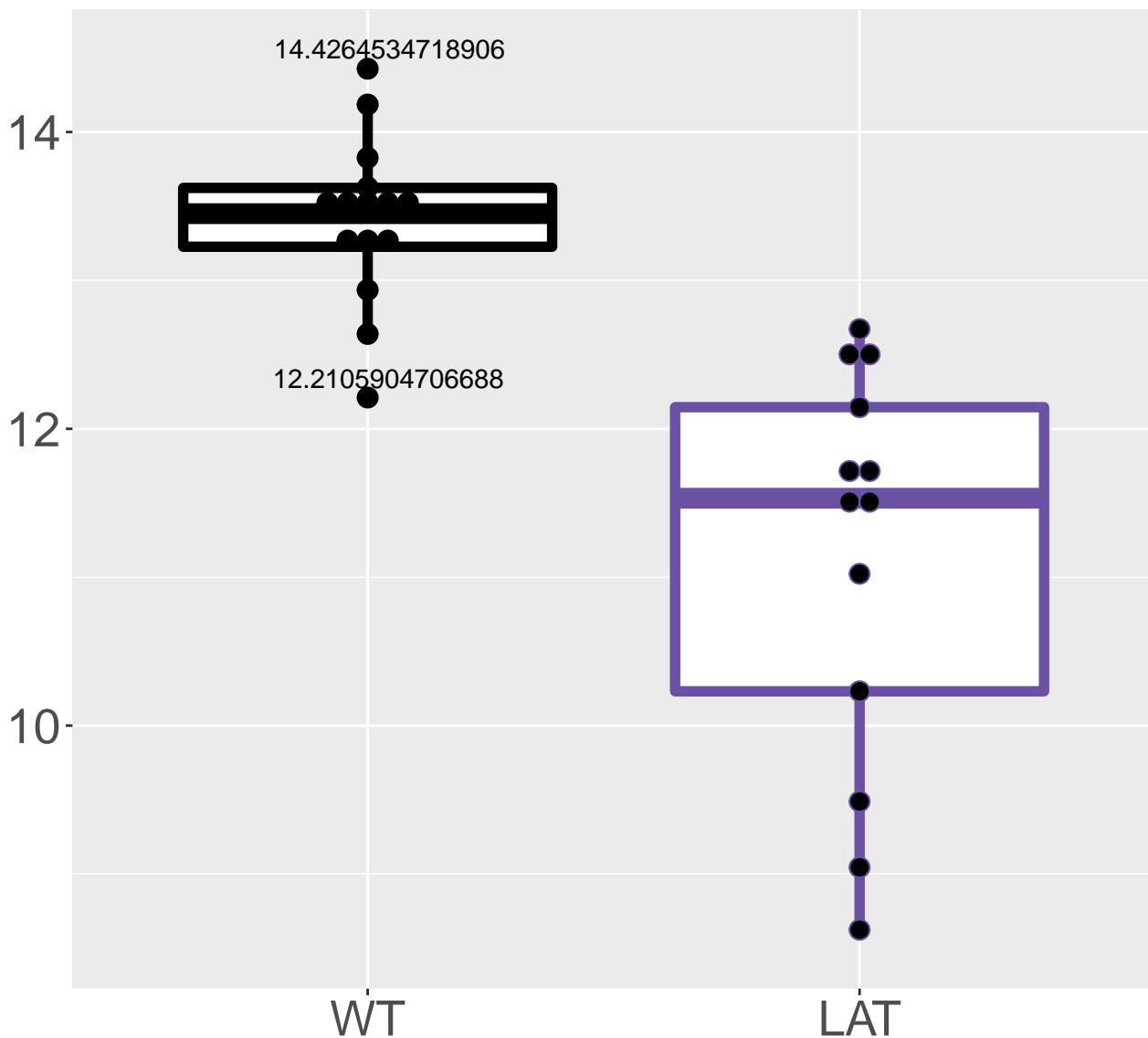
**M410.2398T329.3**

**FDR =  $2.9\text{e-}05$ , FC =  $-1.6$**

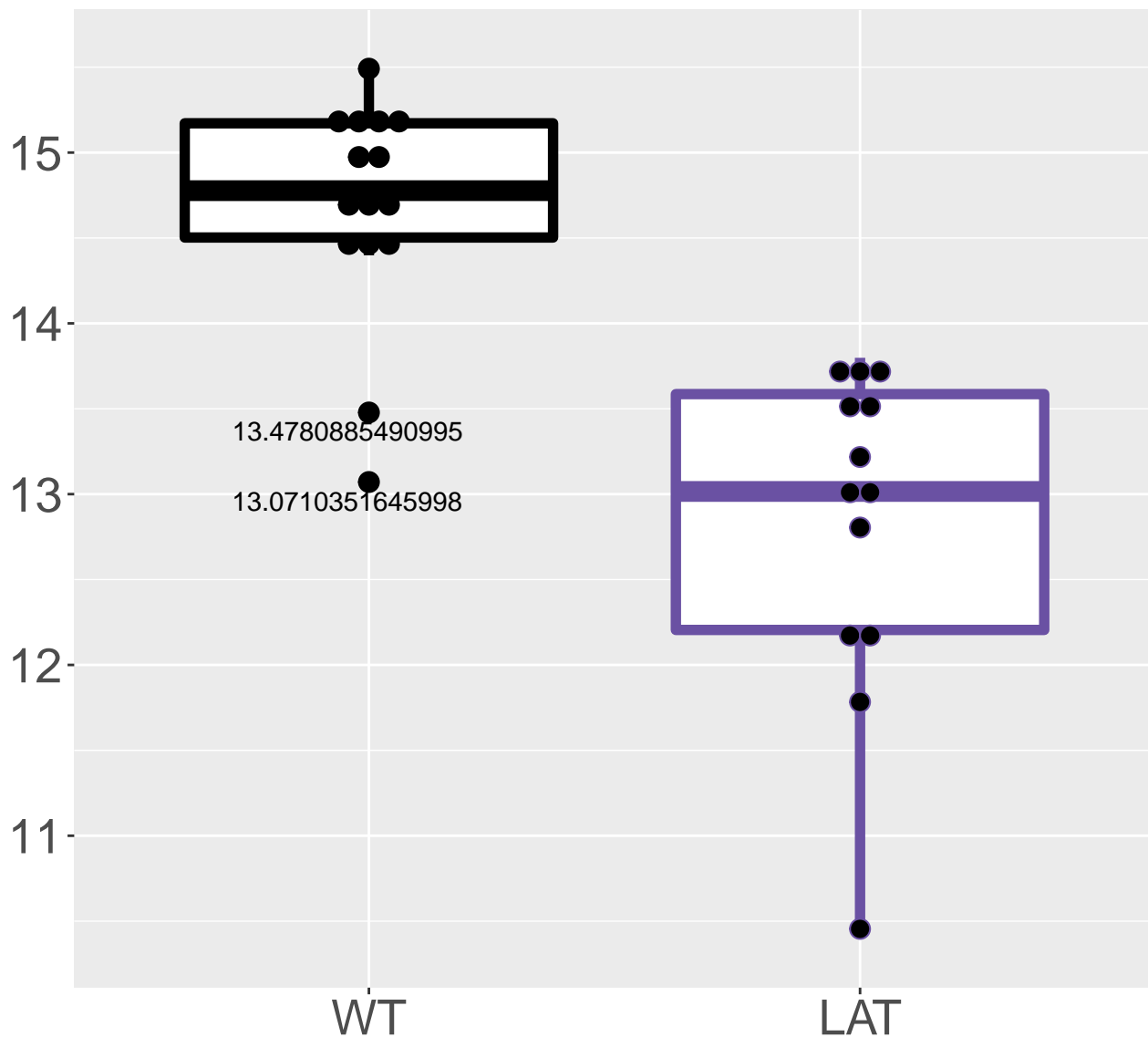


**M522.0342T339.56**

**FDR =  $2.9e-05$ , FC = -2.3**

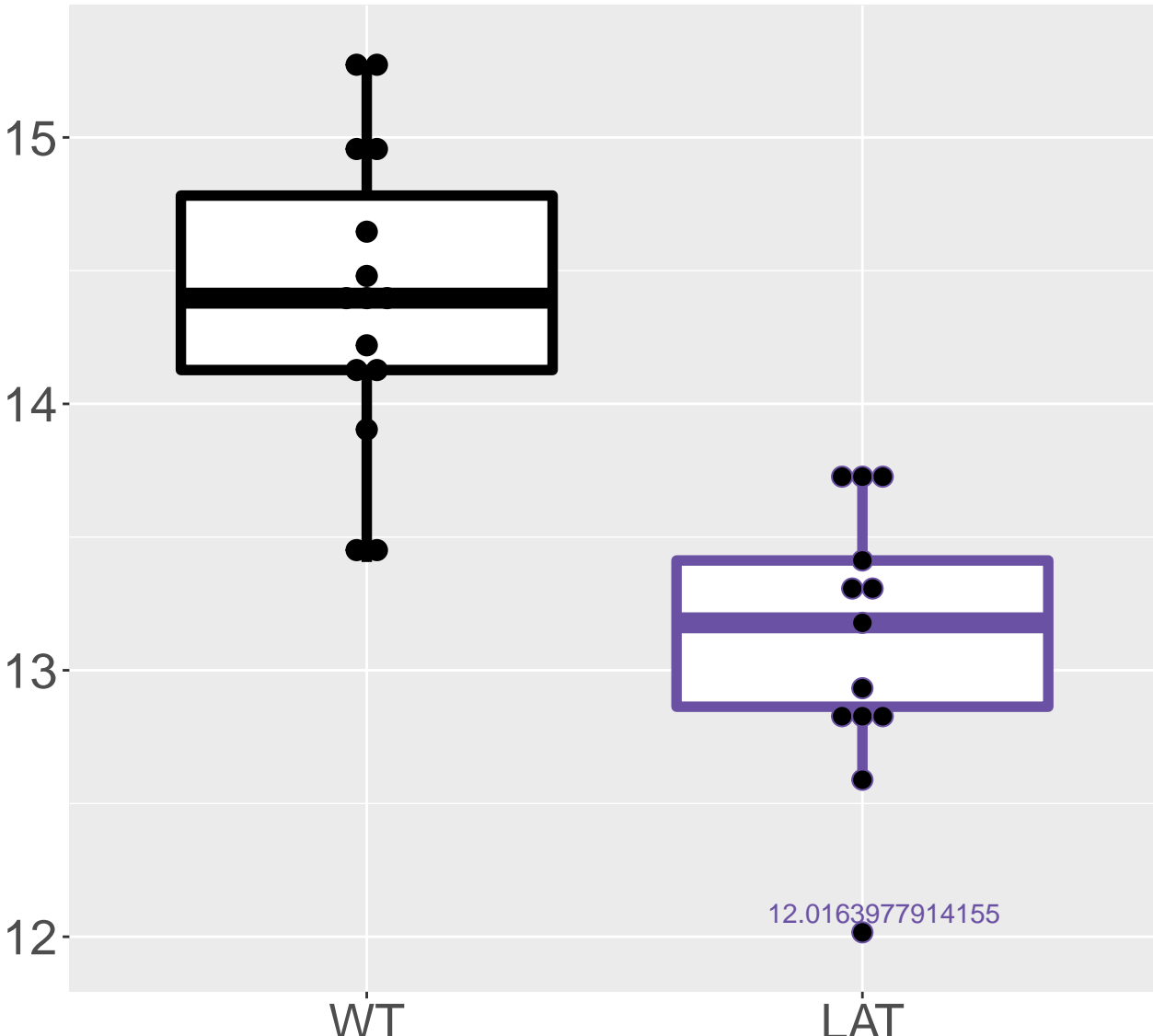


**M251.1643T238.88\_2**  
**FDR = 2.9e-05, FC = -1.9**

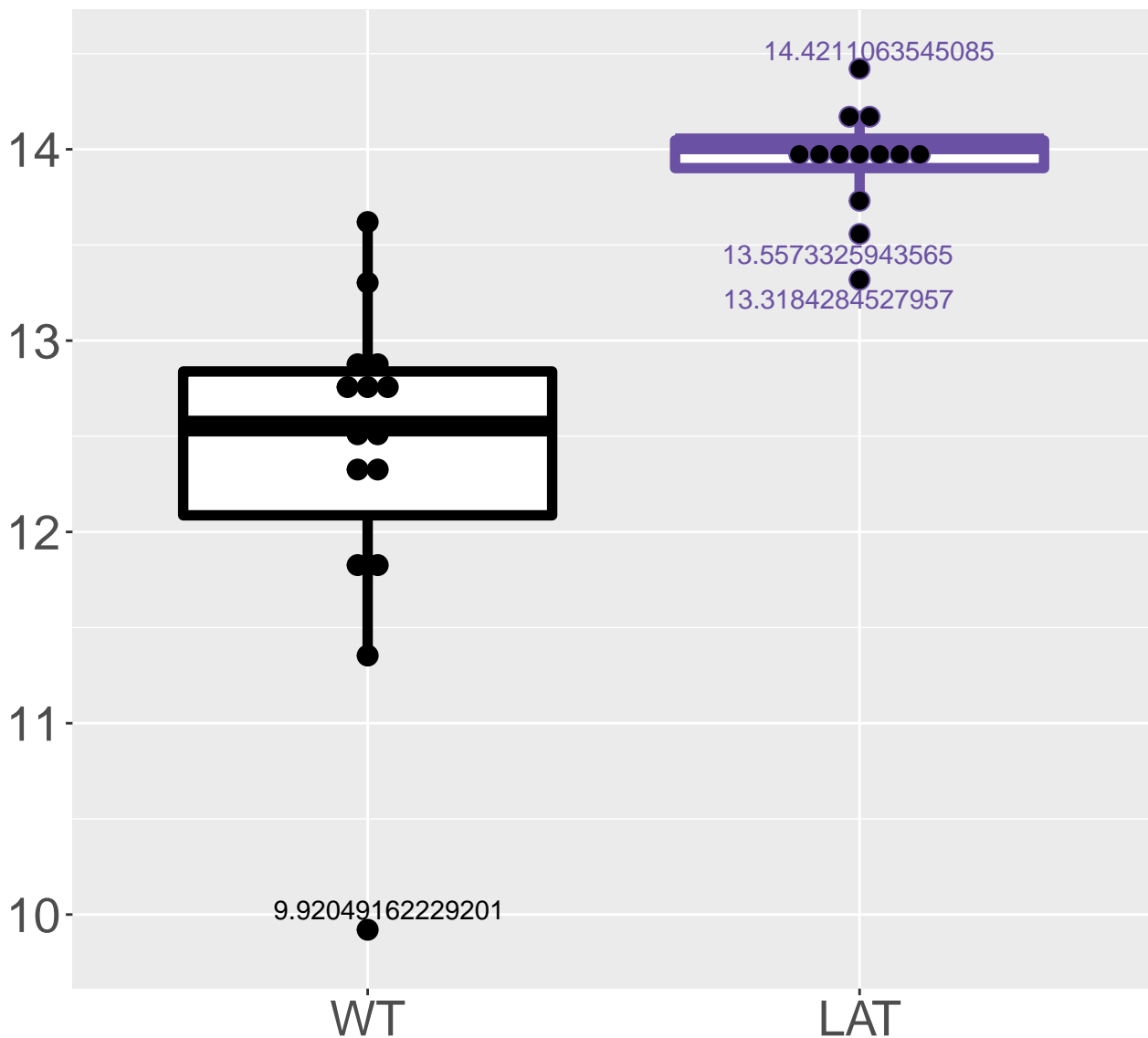


**M583.9935T338.61\_2**

**FDR = 2.9e-05, FC = -1.3**

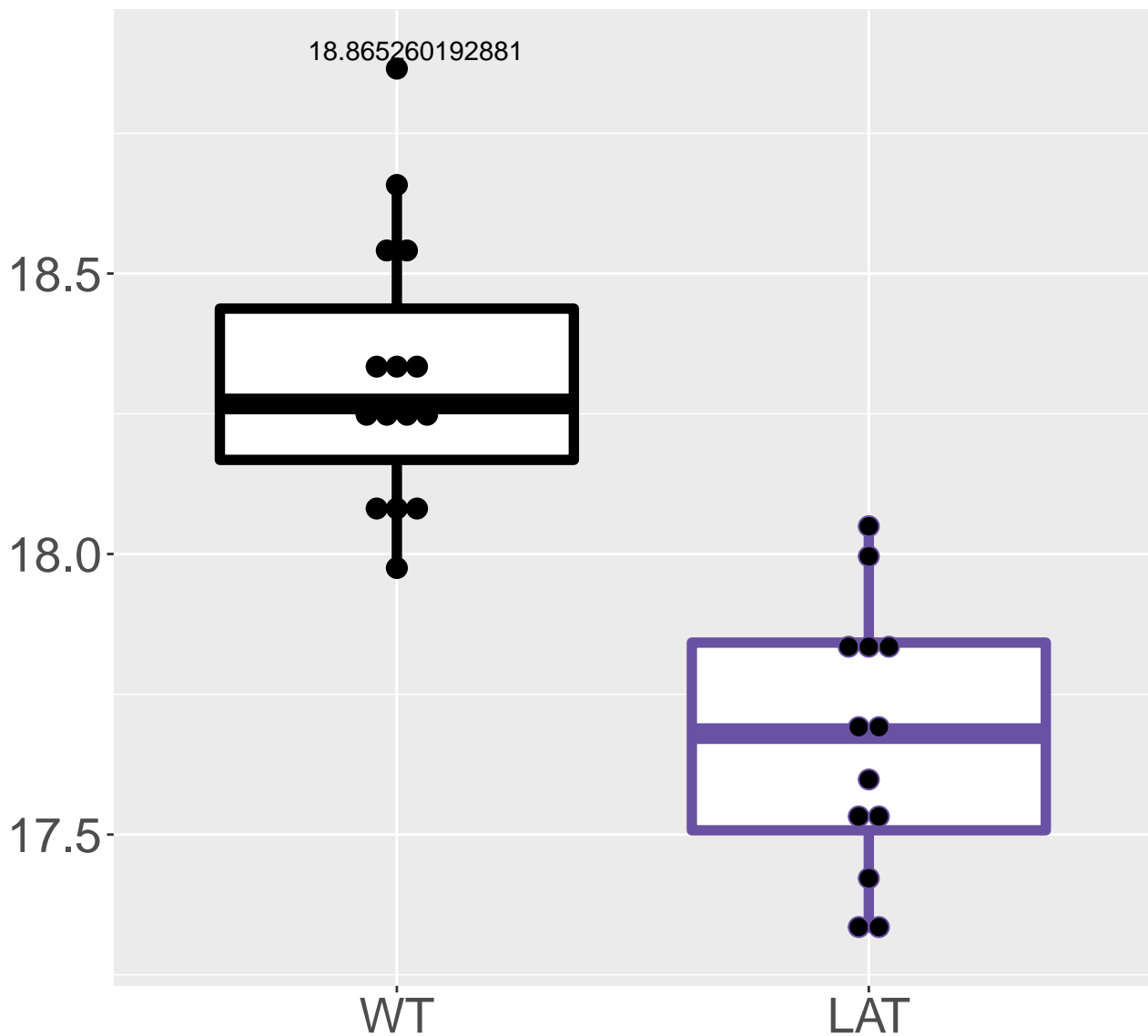


**M465.7501T292.66\_1**  
**FDR = 3e-05, FC = 1.6**



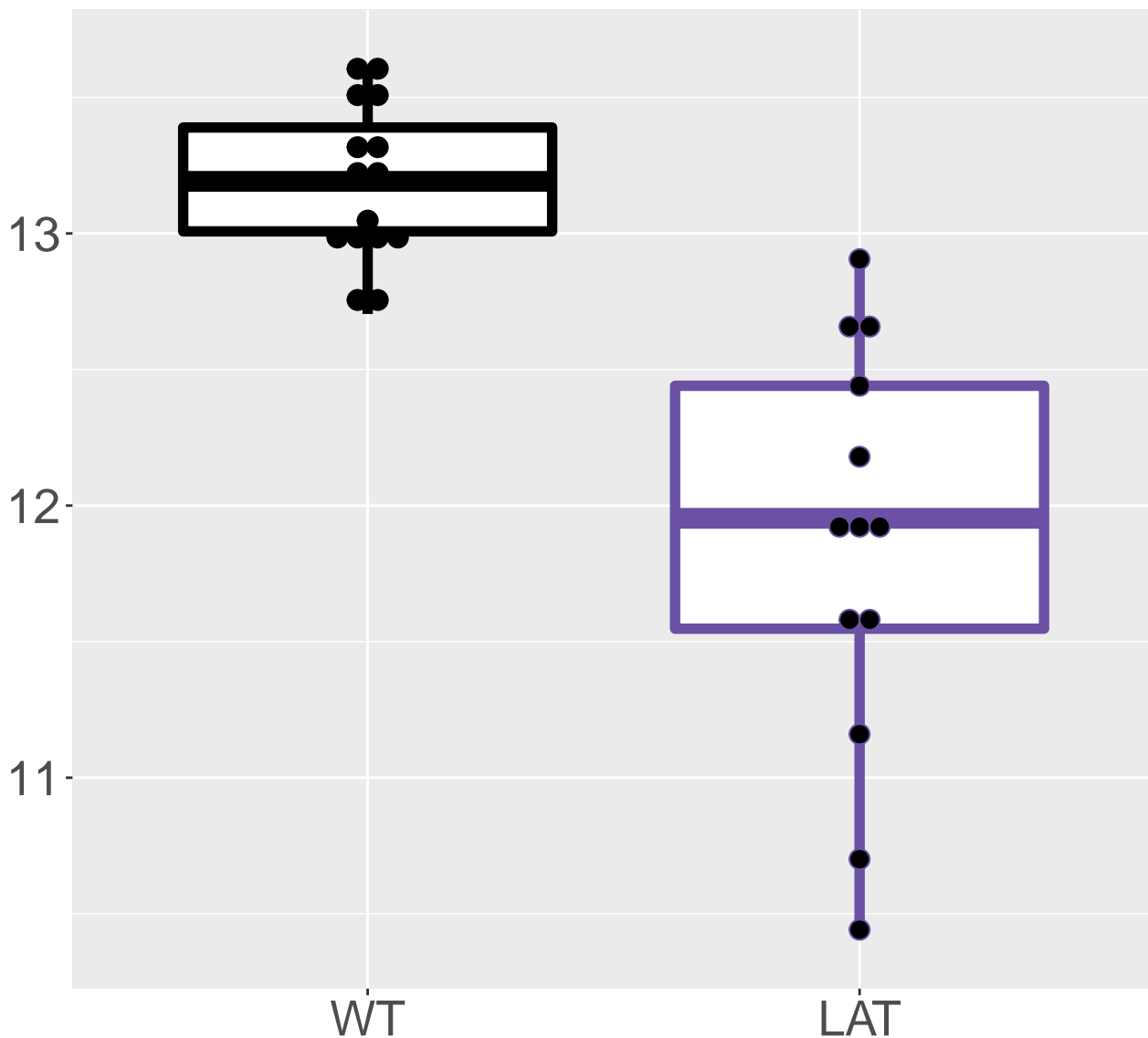
**M129.9179T75.14\_23**

**FDR =  $3e-05$ , FC =  $-0.65$**



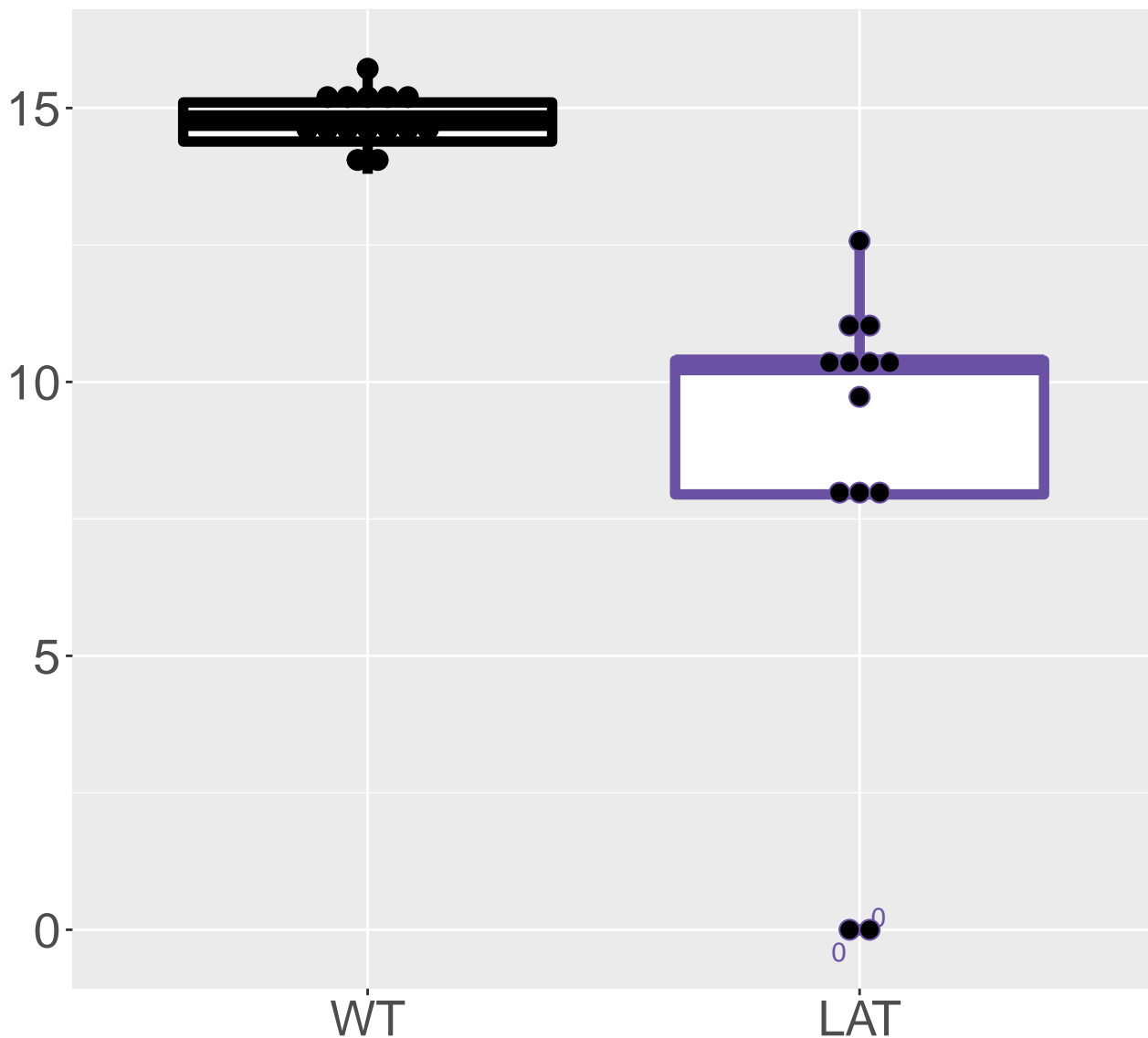
**M500.249T88.54**

**FDR =  $3e-05$ , FC = -1.3**



**M420.8761T278.66\_2**

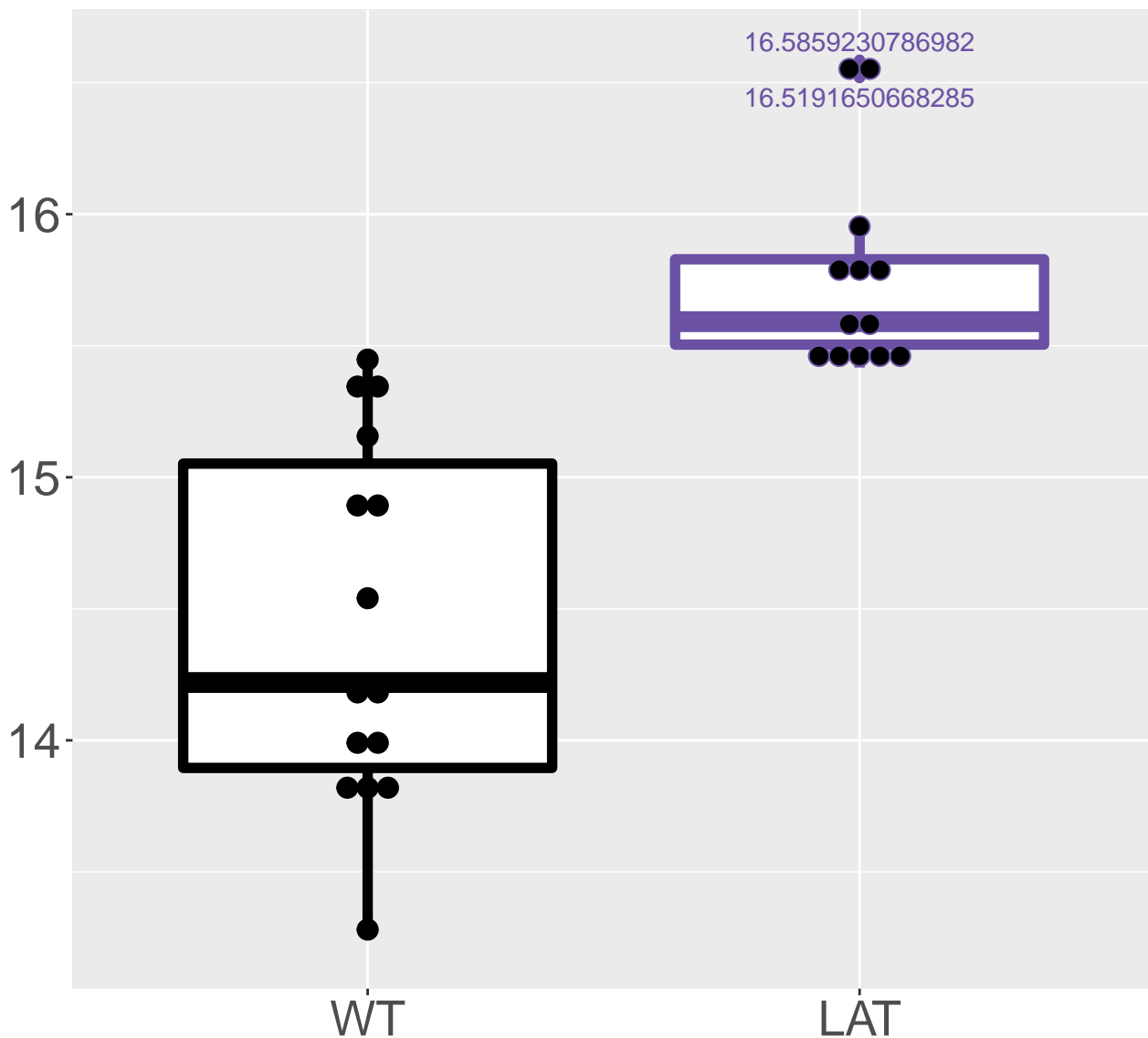
**FDR =  $3.1\text{e-}05$ , FC = -6.3**





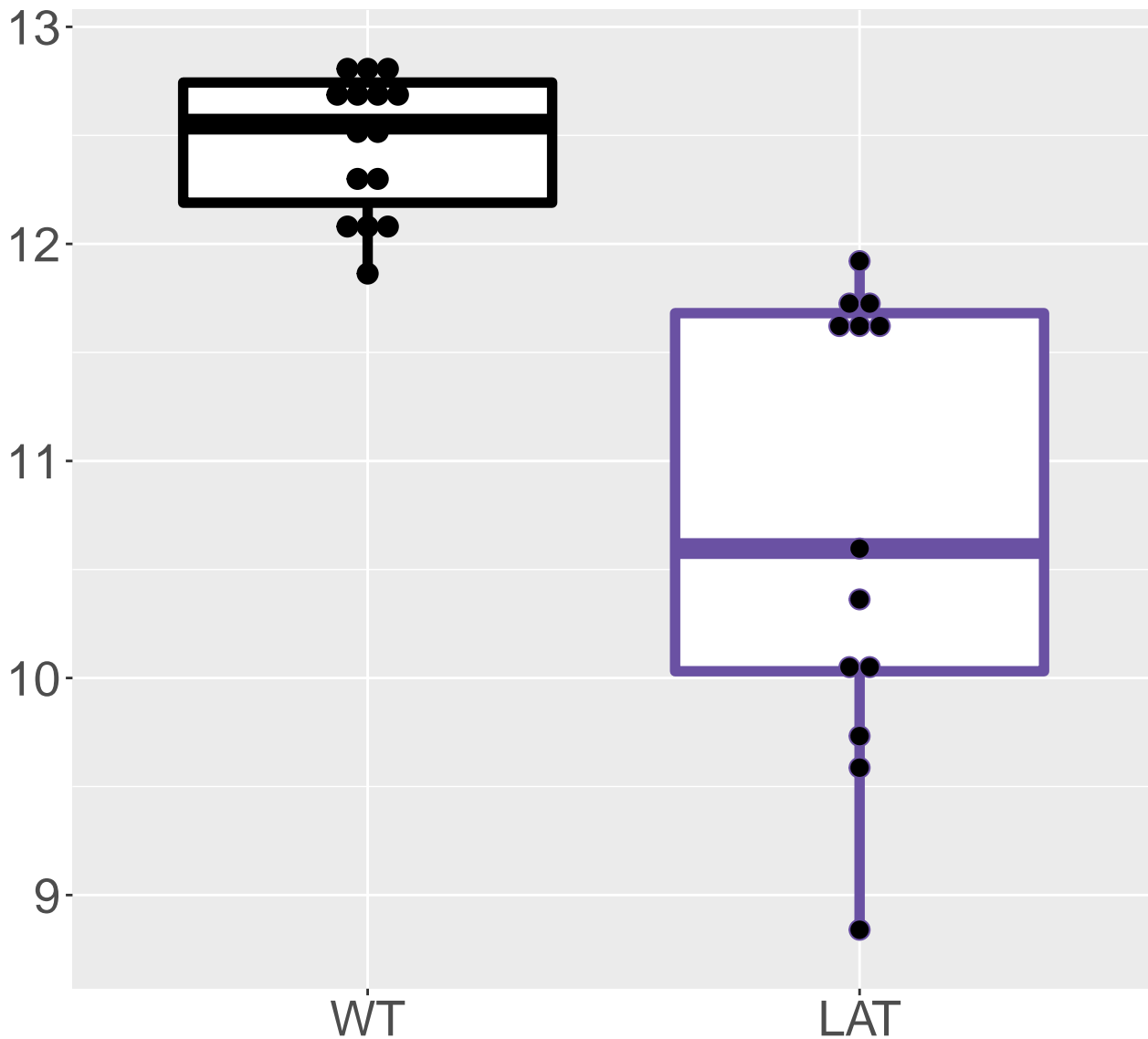
**M279.6881T276.2\_1**

**FDR =  $3.2e-05$ , FC = 1.3**



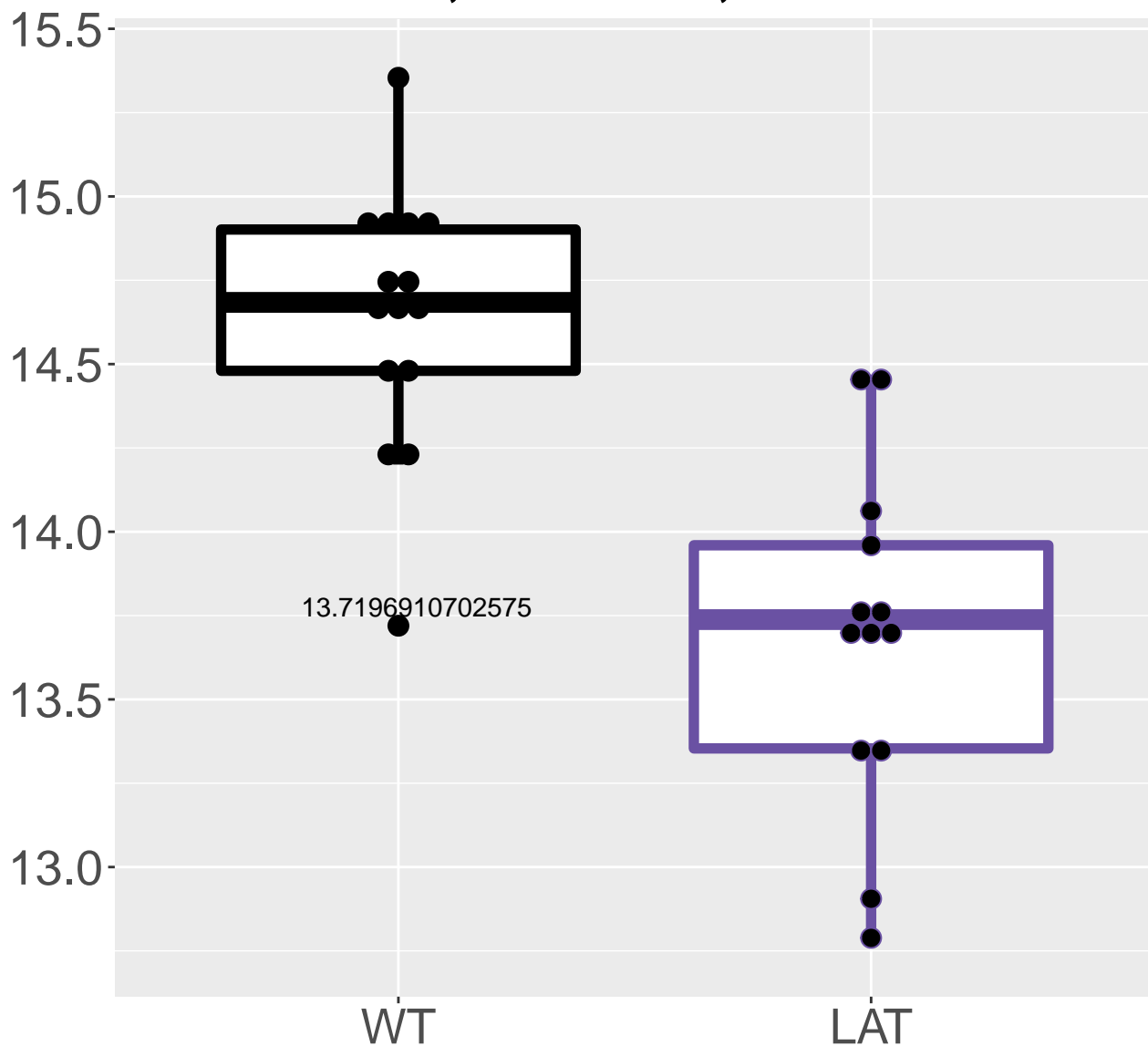
**M358.9613T246.36**

**FDR =  $3.3e-05$ , FC = -1.7**



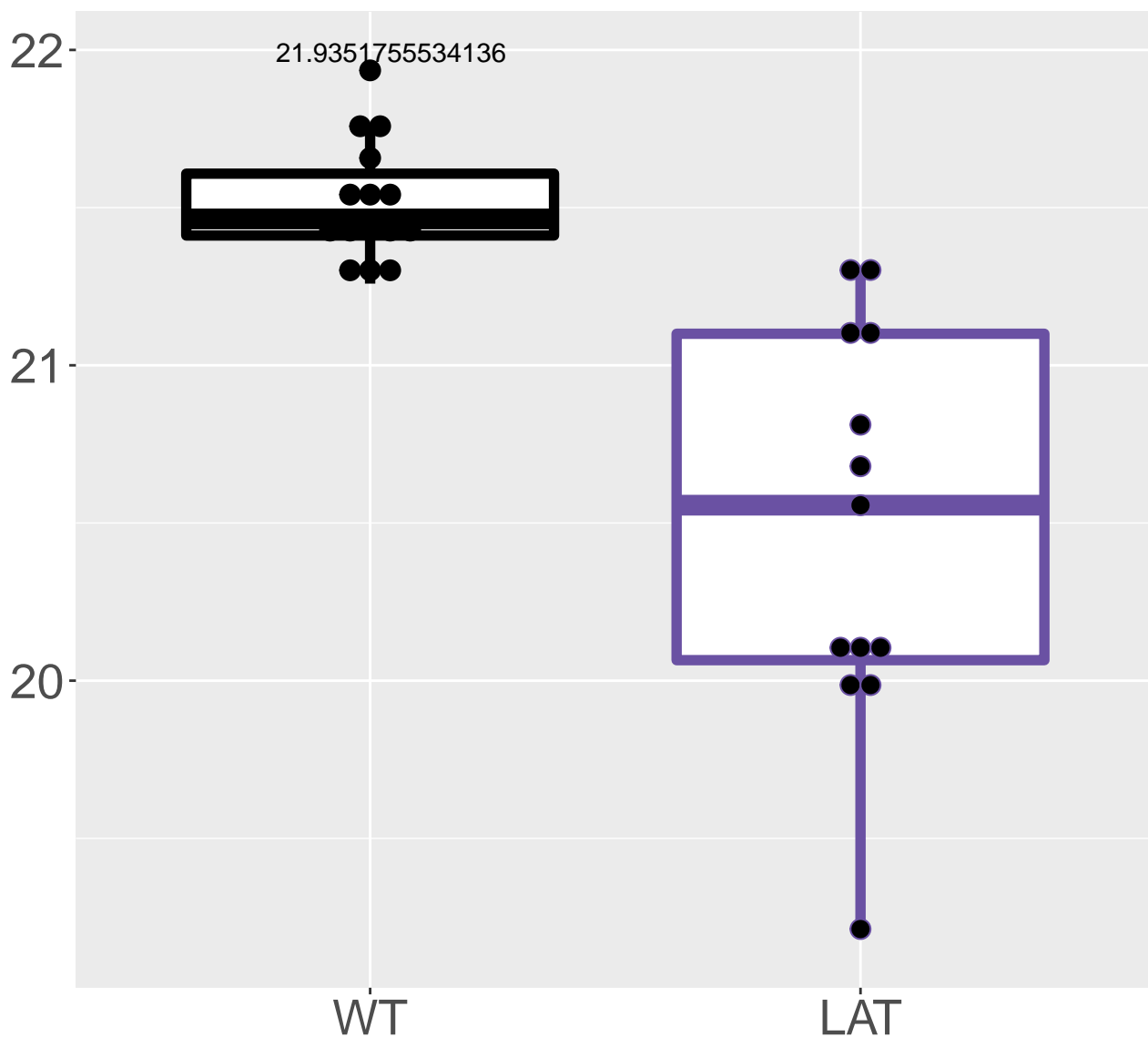
**M315.1891T42.2**

**FDR =  $3.3e-05$ , FC =  $-0.95$ , sex\***



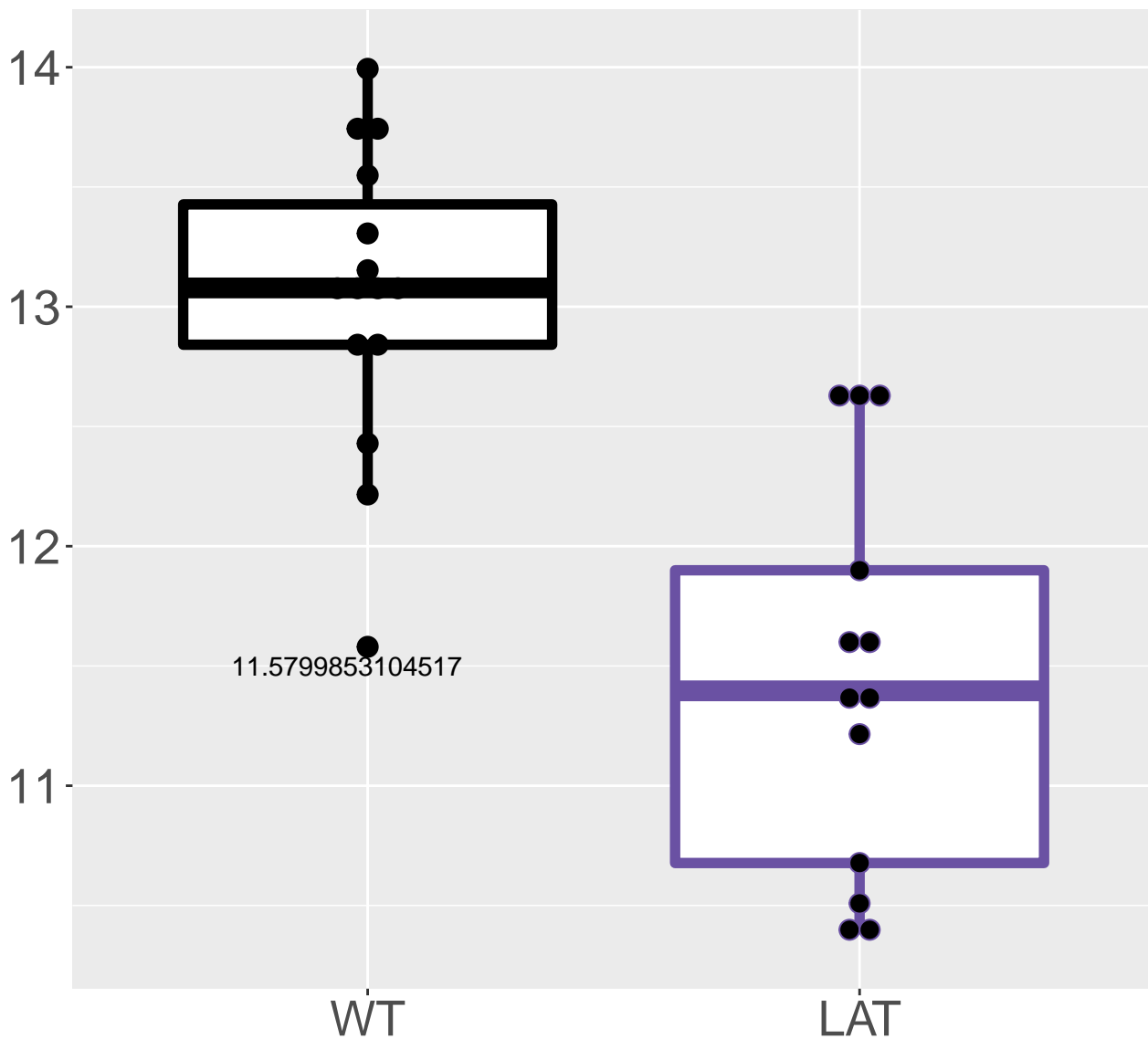
**M318.1208T66.35**

**FDR =  $3.5e-05$ , FC = -1**



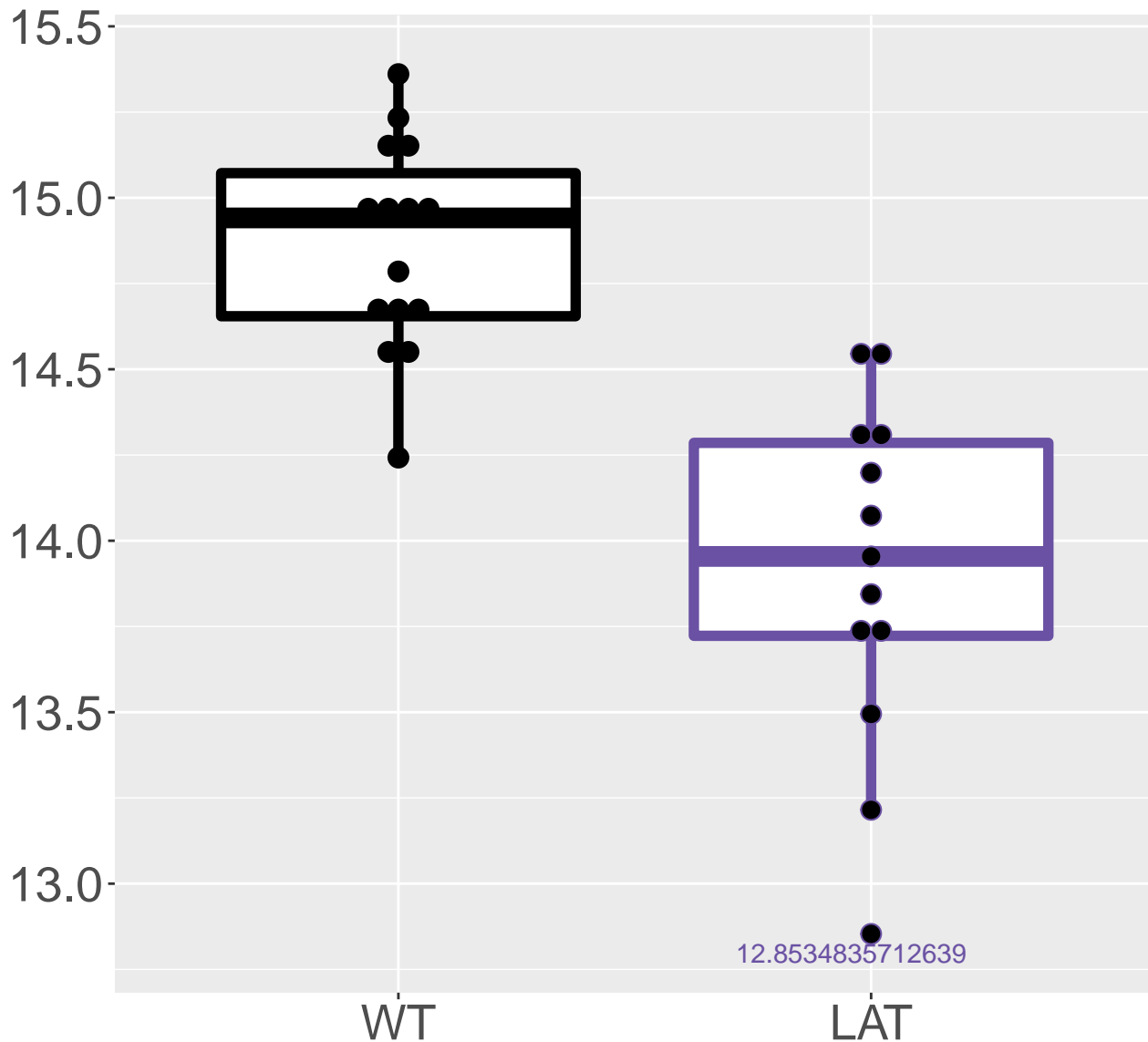
**M391.5706T278.38**

**FDR =  $3.6e-05$ , FC =  $-1.6$**



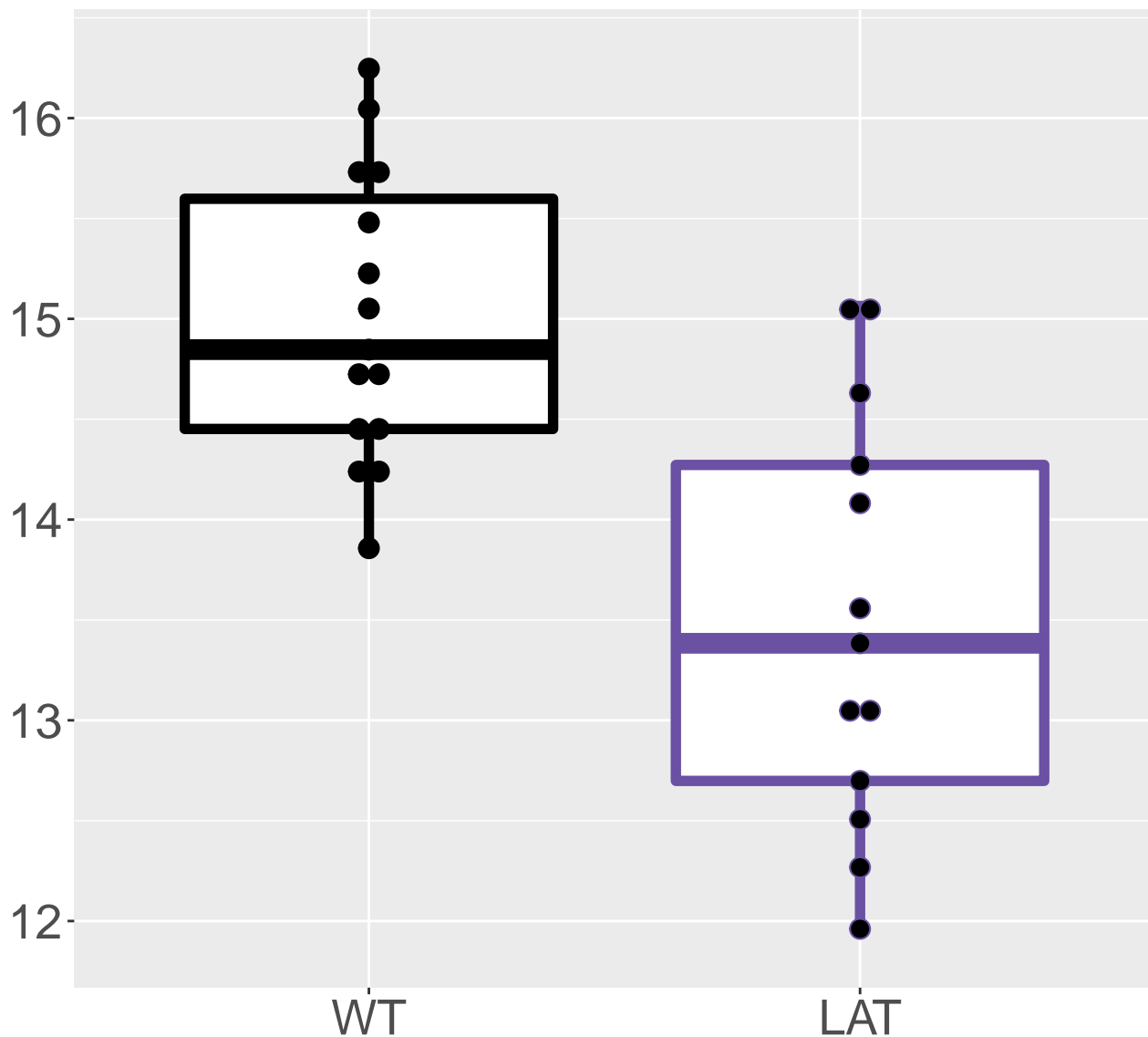
**M301.1734T42.27**

**FDR =  $3.6e-05$ , FC =  $-0.95$**



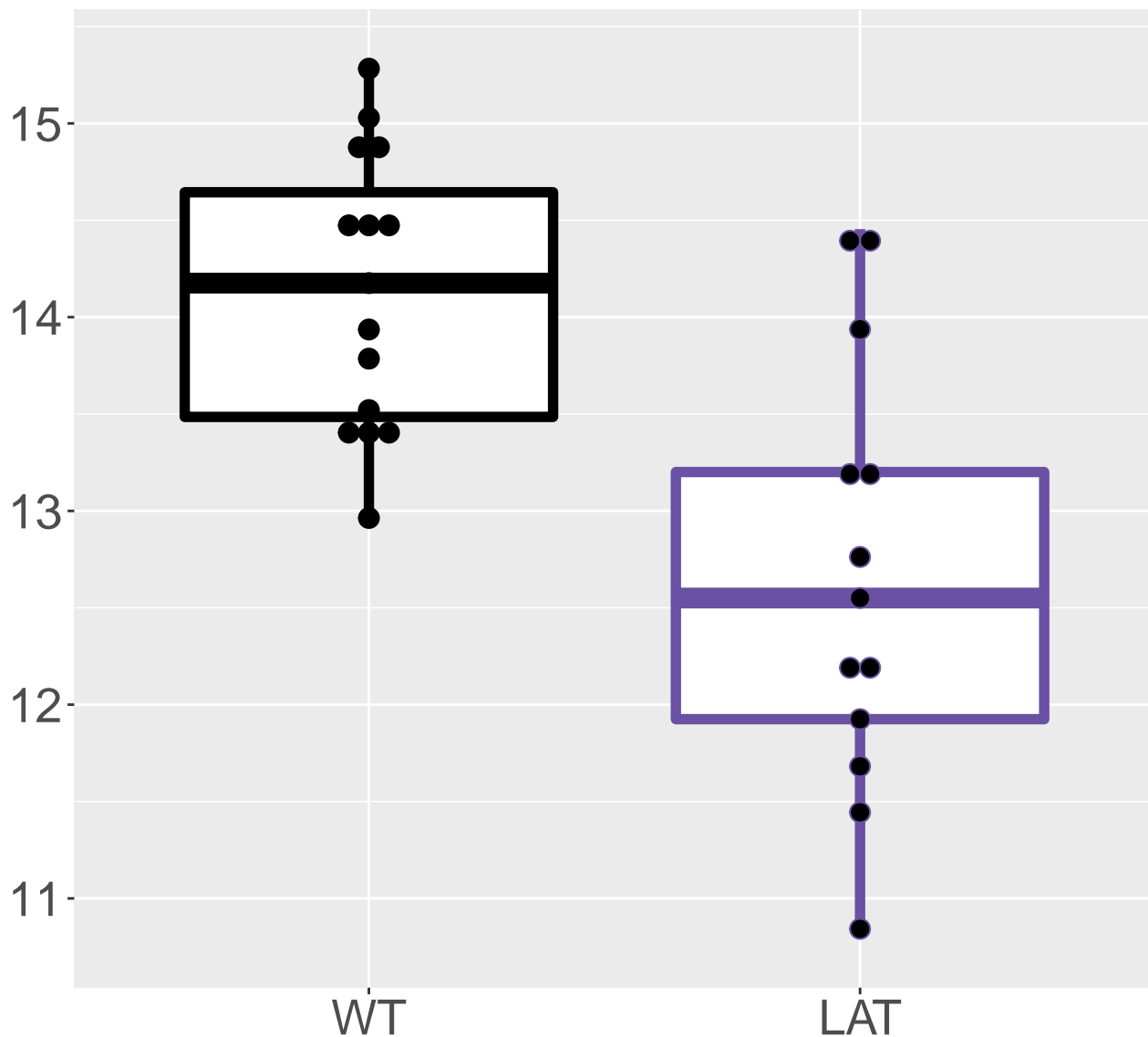
**M616.7407T312.75\_2**

**FDR = 3.7e-05, FC = -1.5, sex\*\***



**M617.1417T312.56\_4**

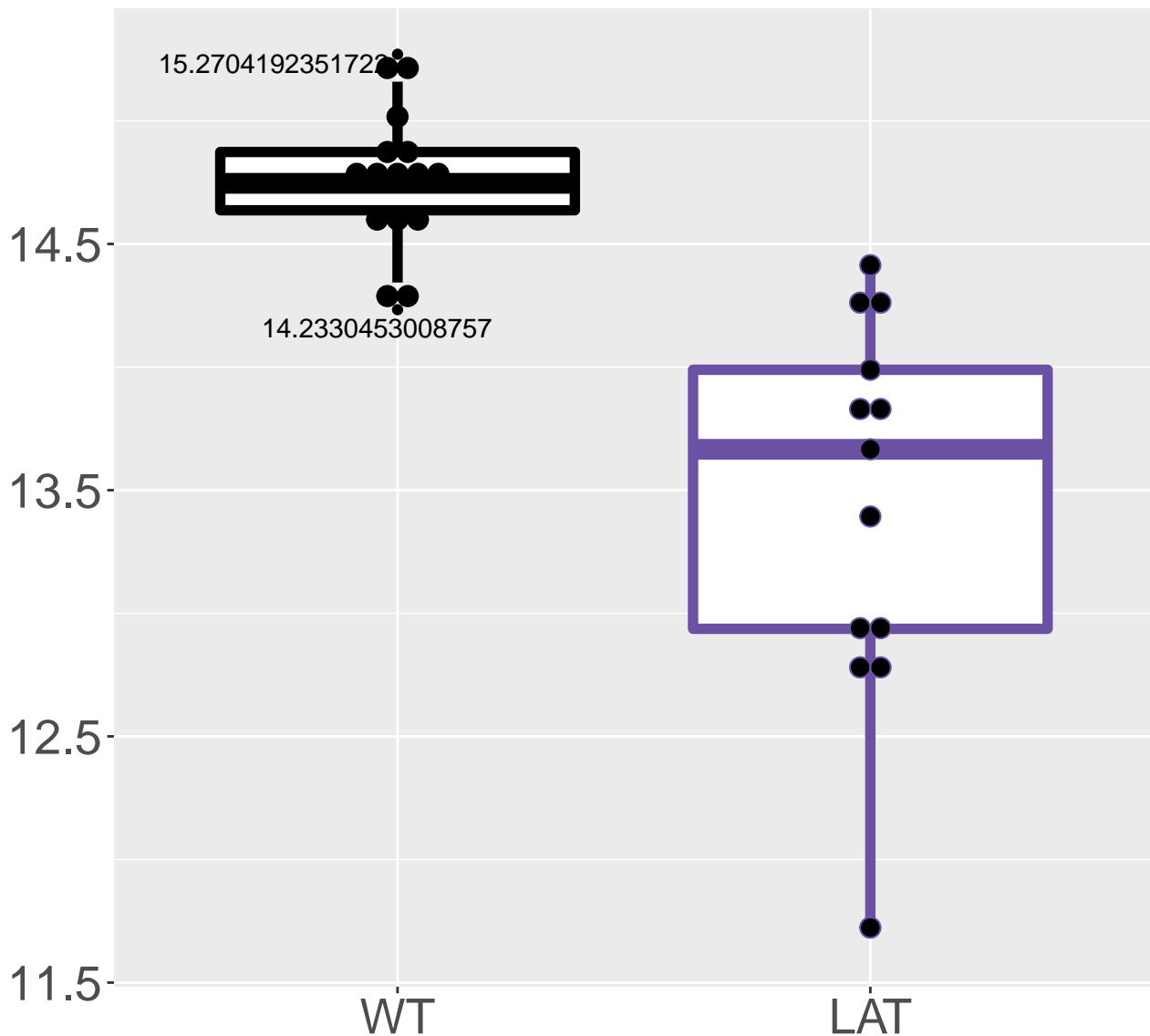
**FDR = 3.7e-05, FC = -1.5, sex\*\***





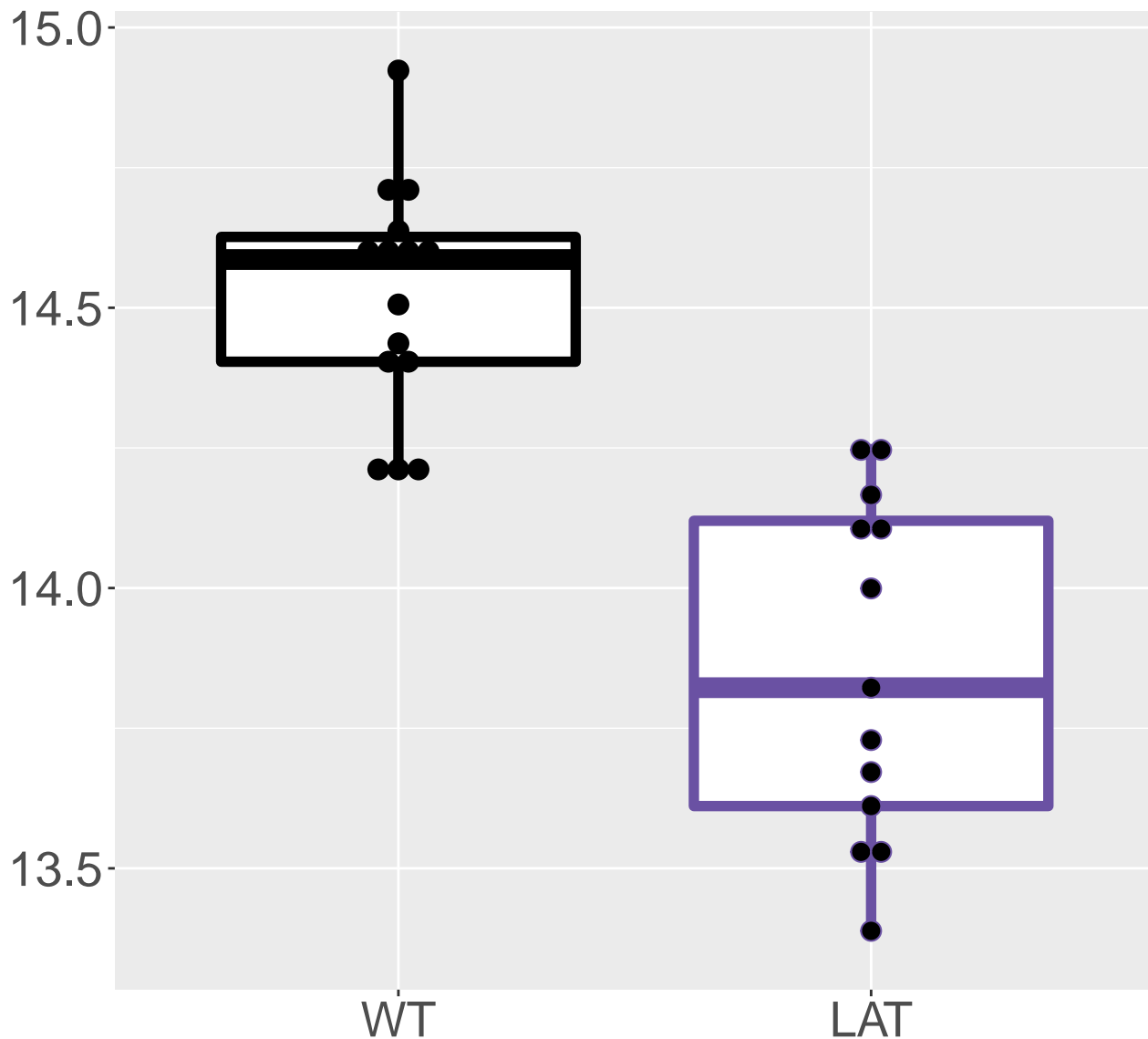
**M539.3221T303.16**

**FDR =  $3.7e-05$ , FC =  $-1.3$**



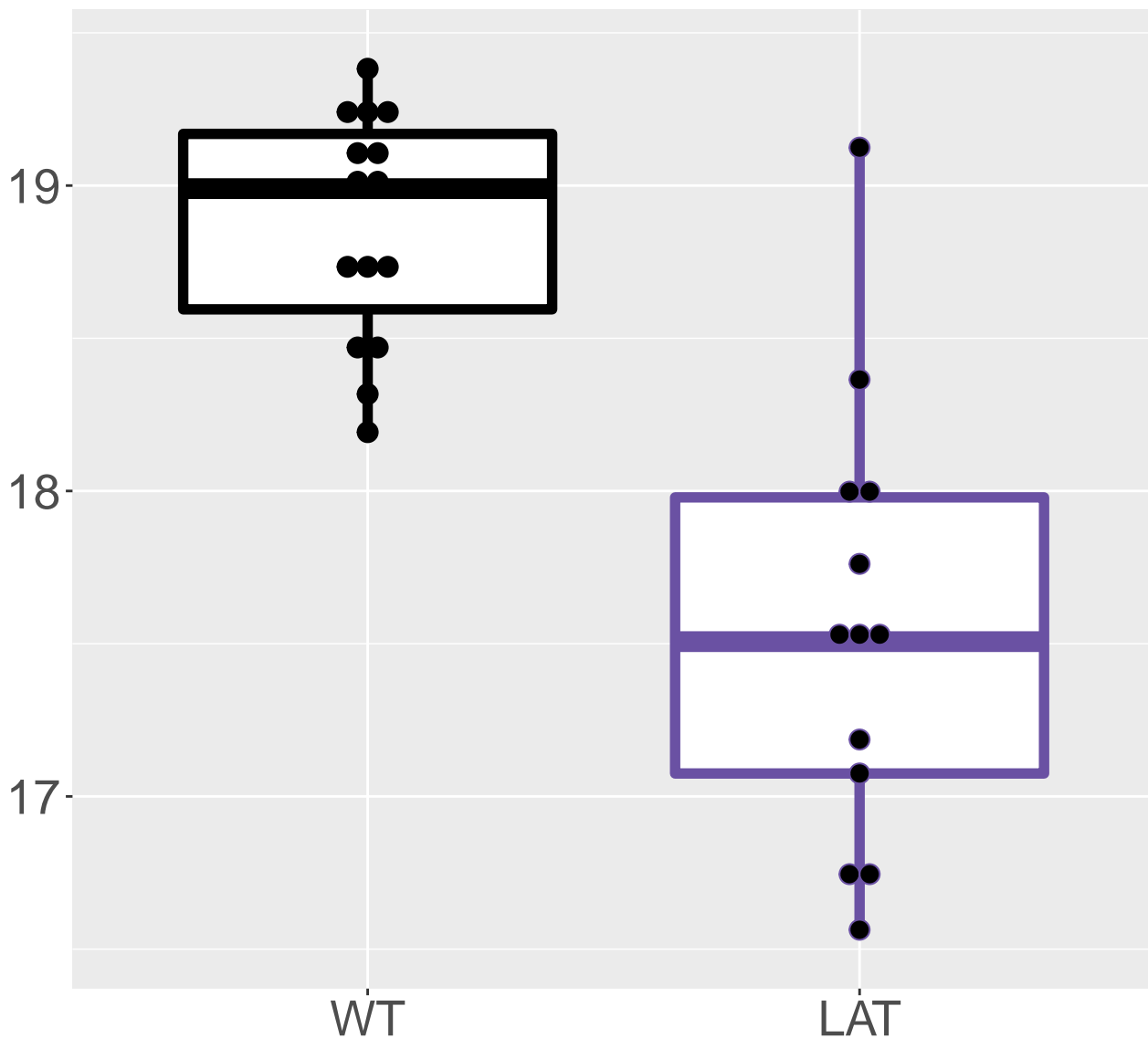
**M203.0704T41.85**

**FDR =  $3.8e-05$ , FC =  $-0.66$**



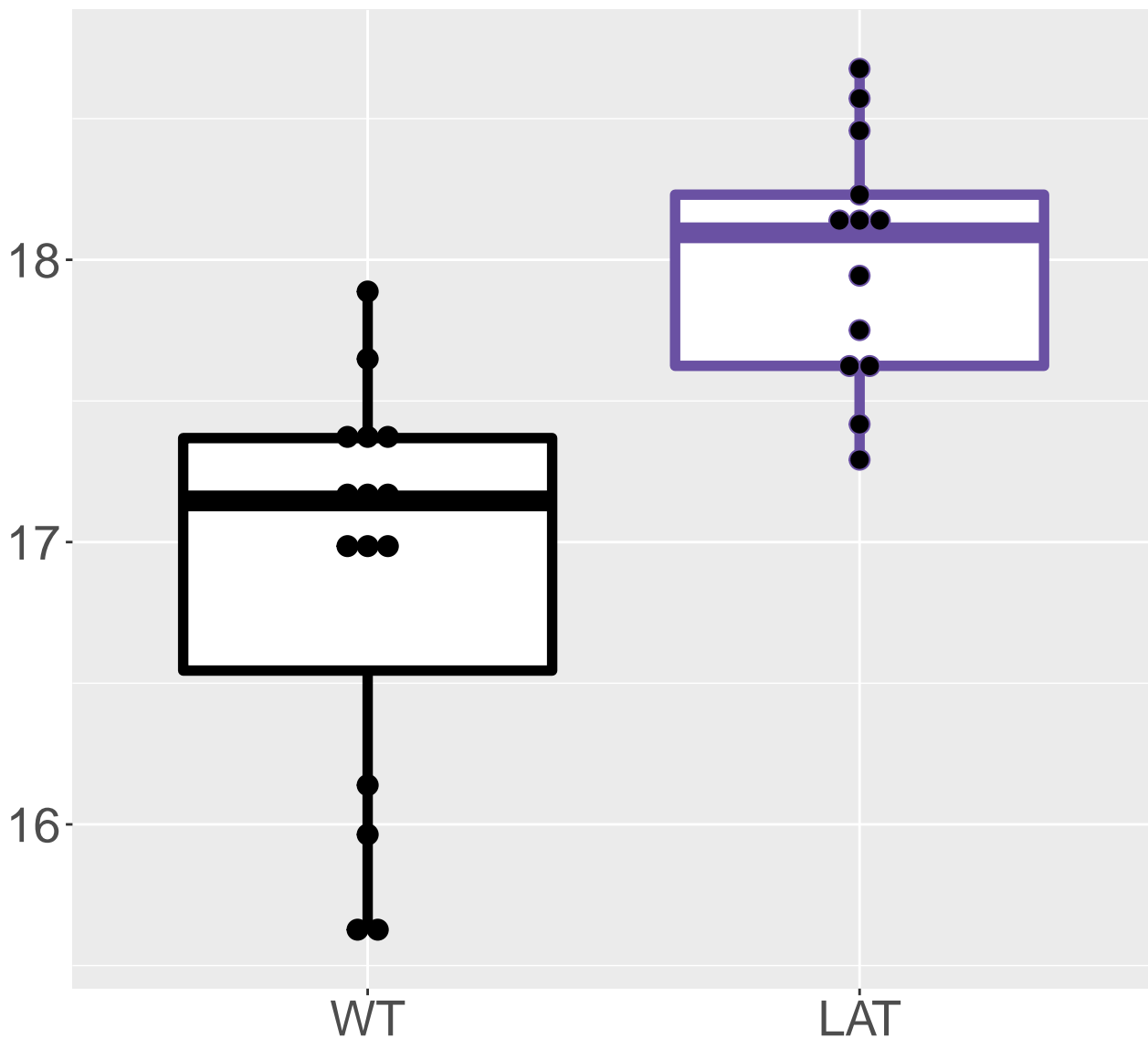
**M784.312T53**

**FDR =  $3.8e-05$ , FC = -1.3**



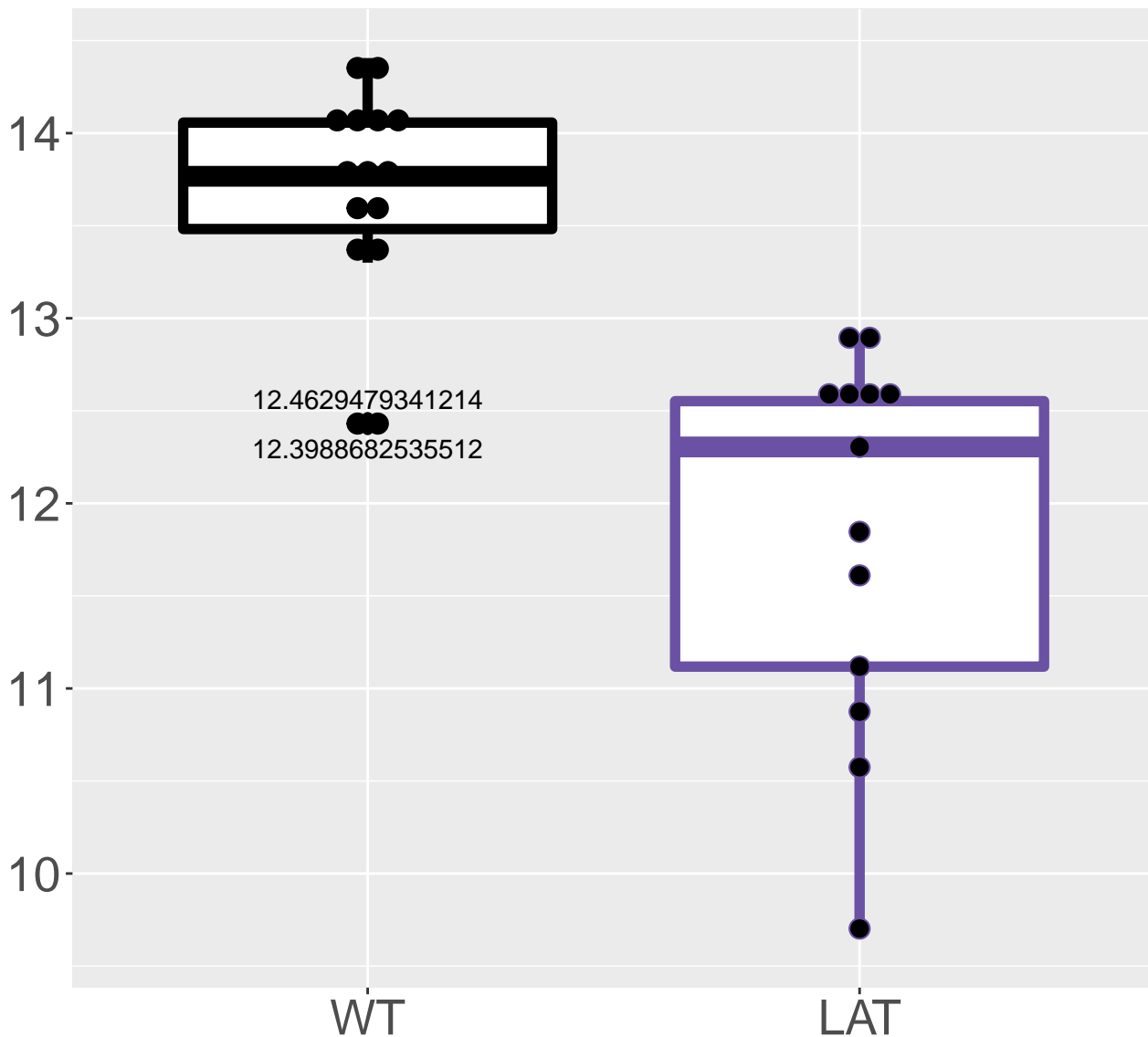
**M552.1824T71.29**

**FDR =  $3.9\text{e-}05$ , FC = 1.1, sex\*\***



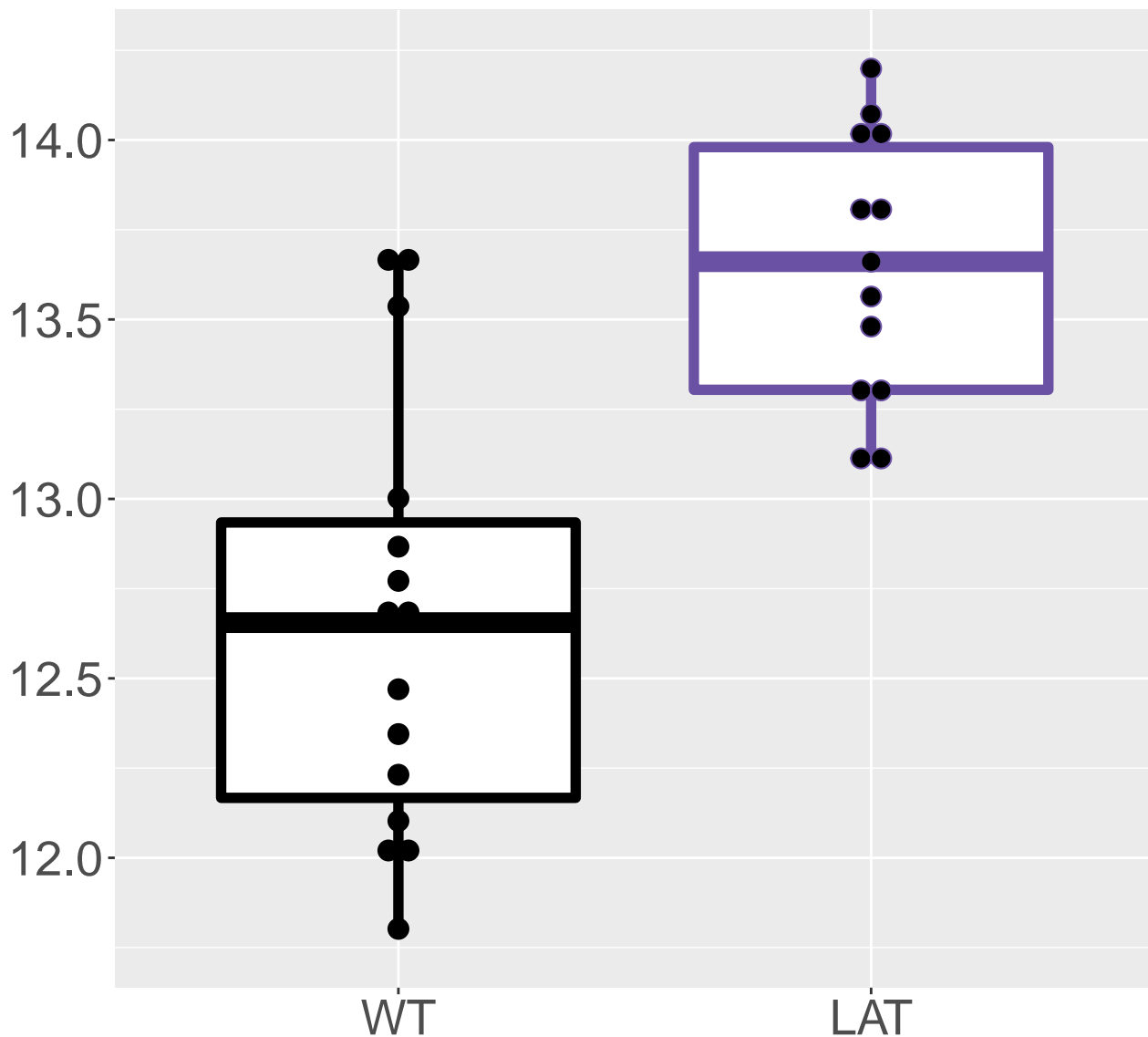
**M334.5499T238.58\_1**

**FDR =  $3.9\text{e-}05$ , FC =  $-1.8$**

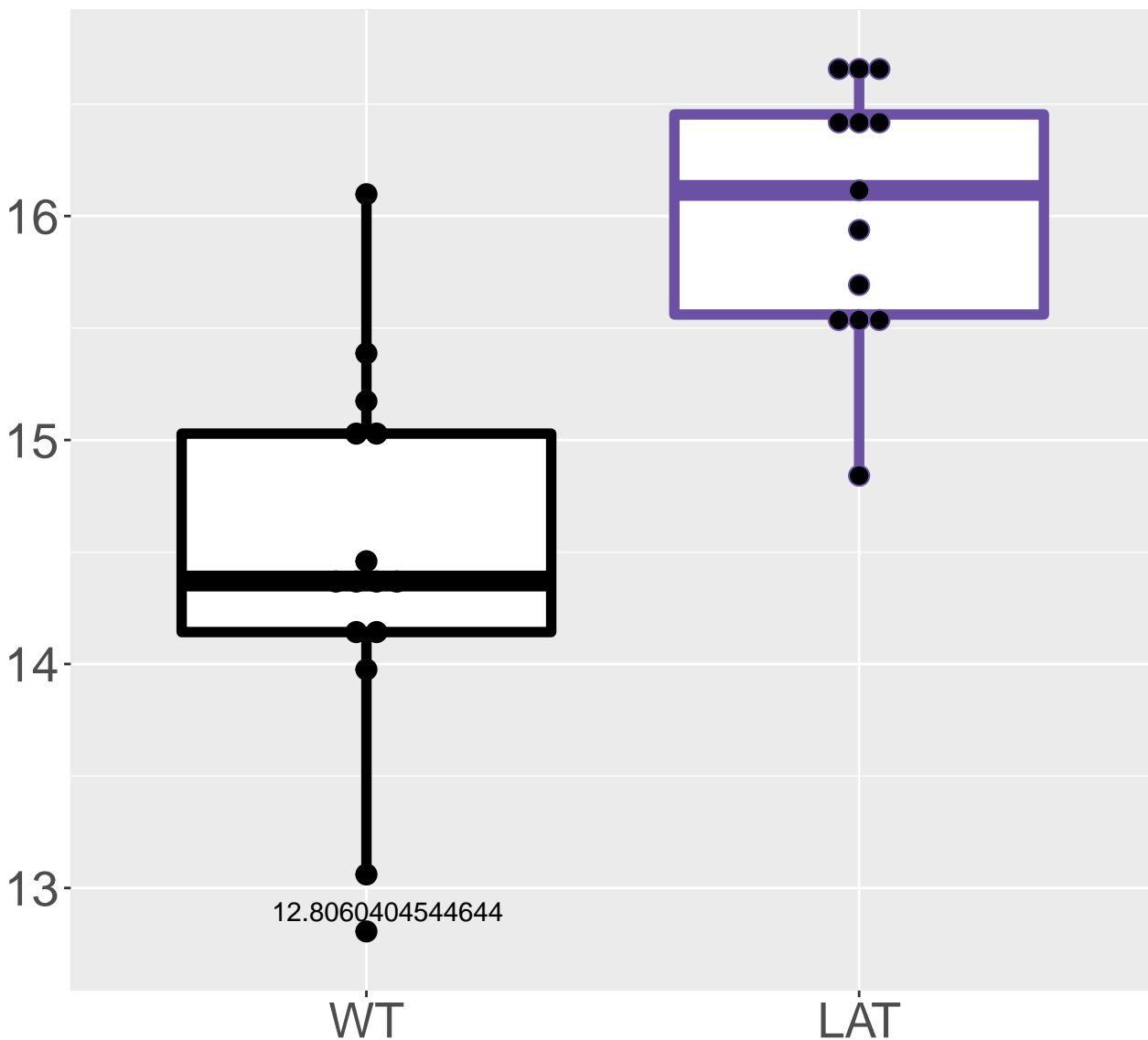


**M340.6732T123.87**

**FDR = 3.9e-05, FC = 0.99, sex\*\***

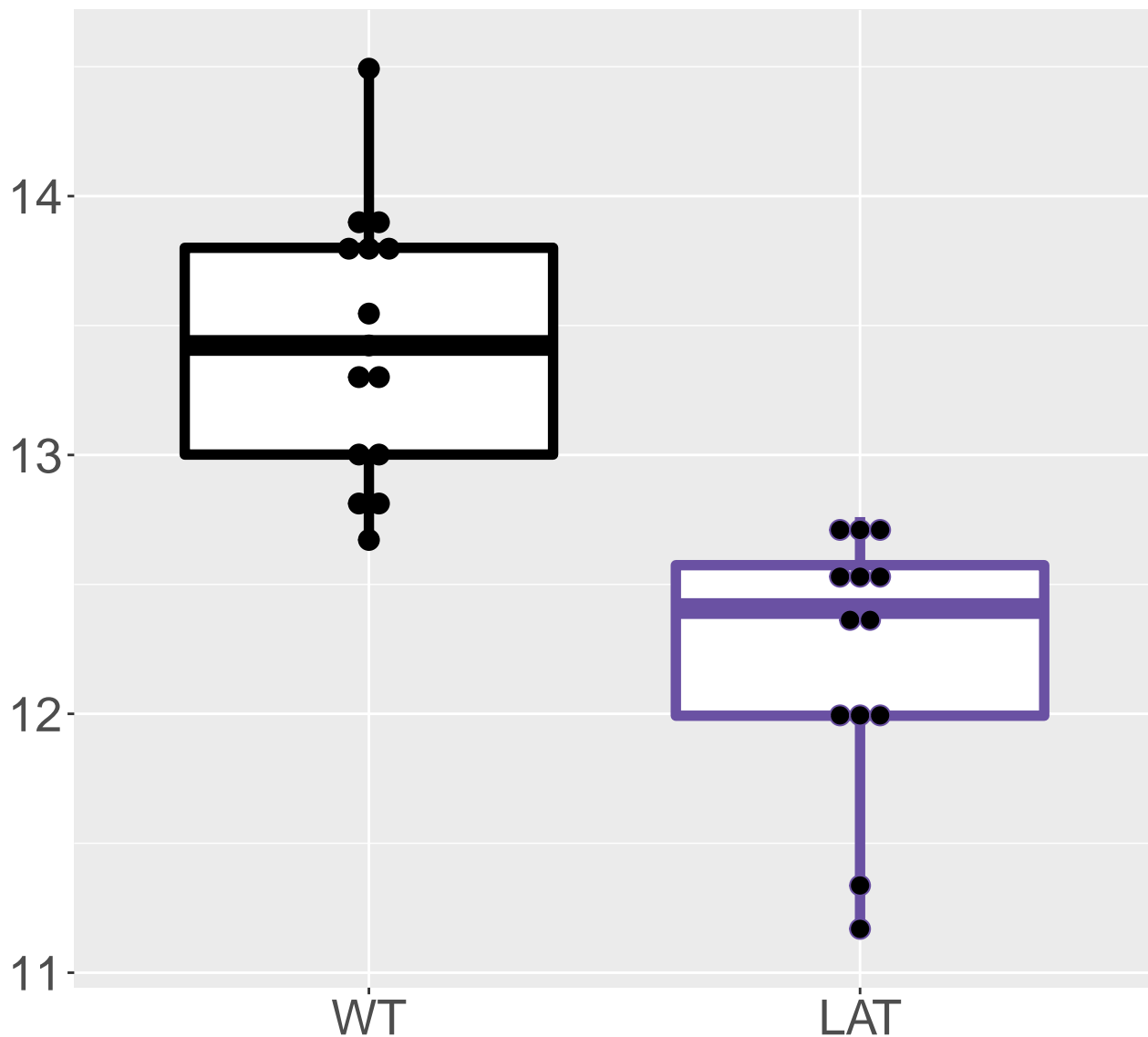


**FDR = 4e-05, FC = 1.6**



**M516.9467T323.06\_2**

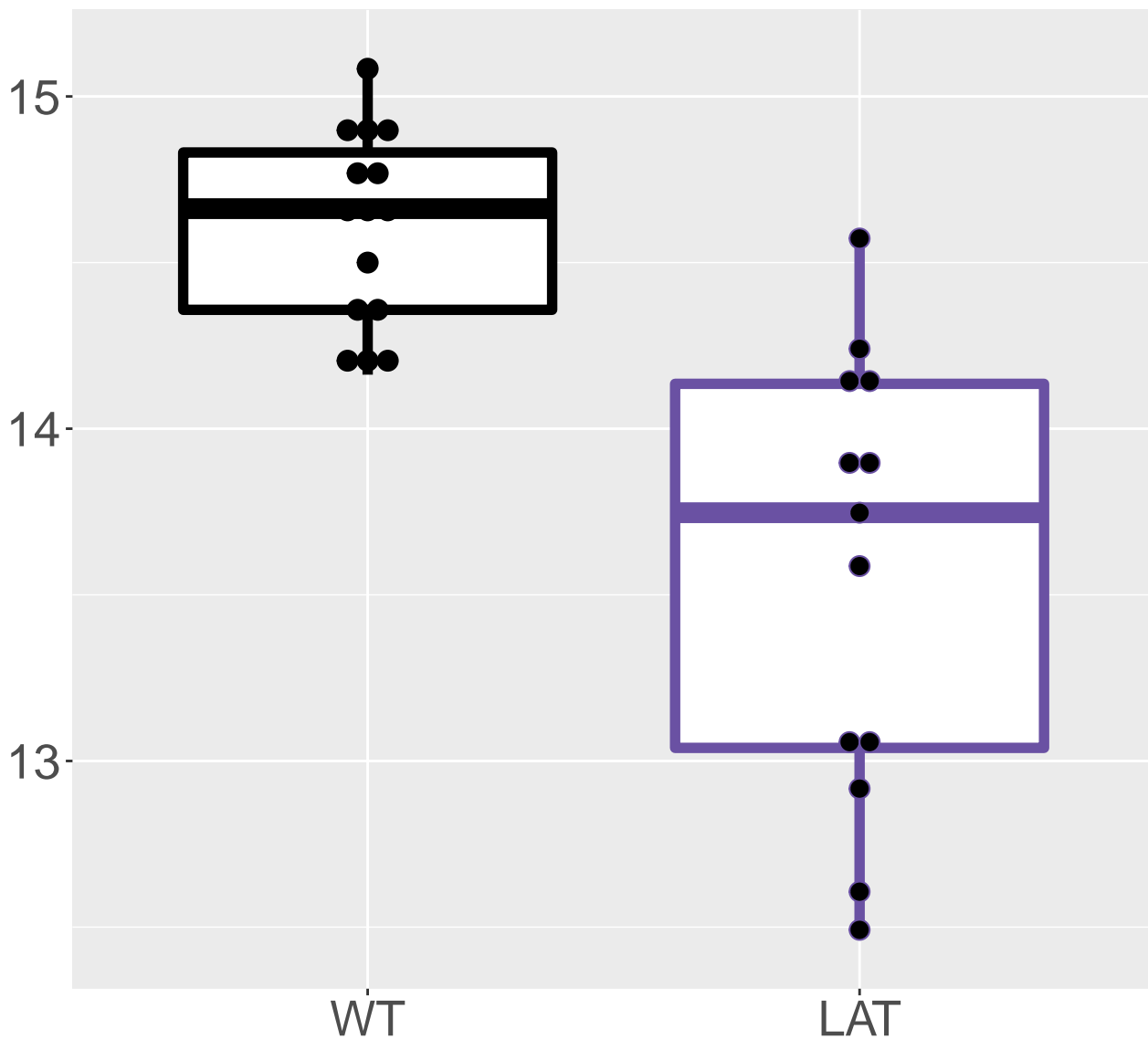
**FDR =  $4e-05$ , FC = -1.2**





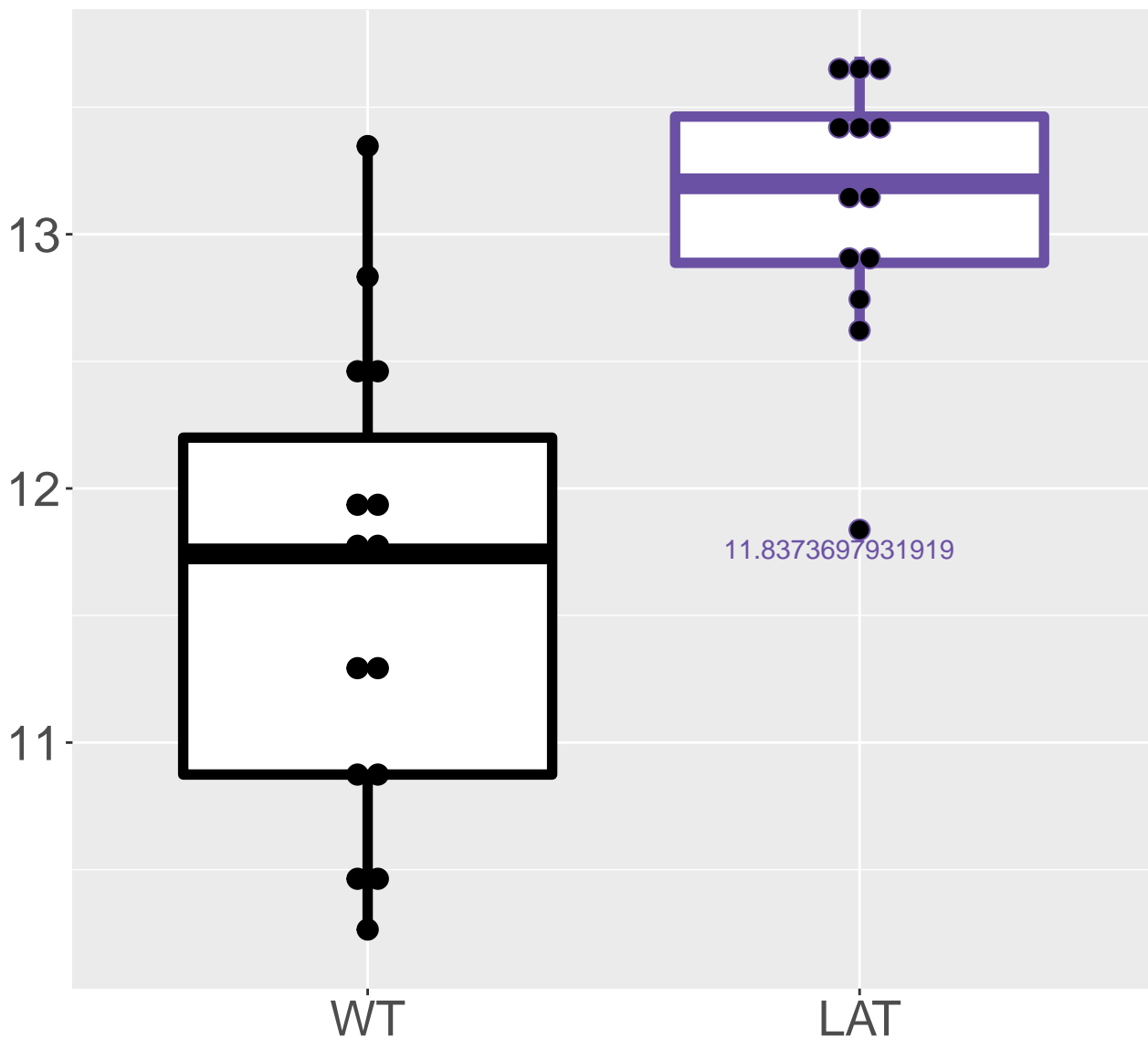
**M412.2219T304.49**

**FDR = 4e-05, FC = -1, sex\***



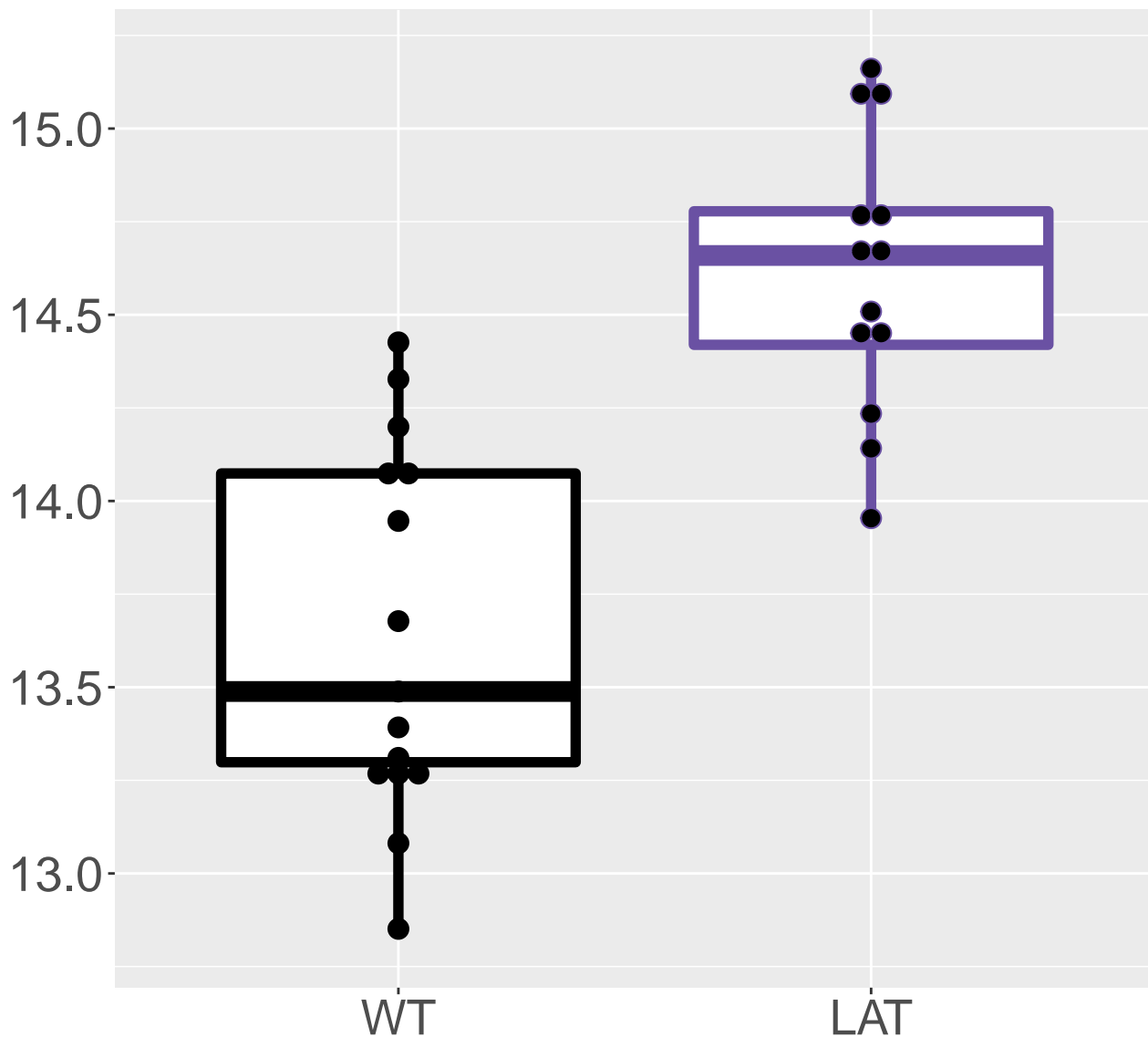
**M841.7824T313.68**

**FDR =  $4.1\text{e-}05$ , FC = 1.5**



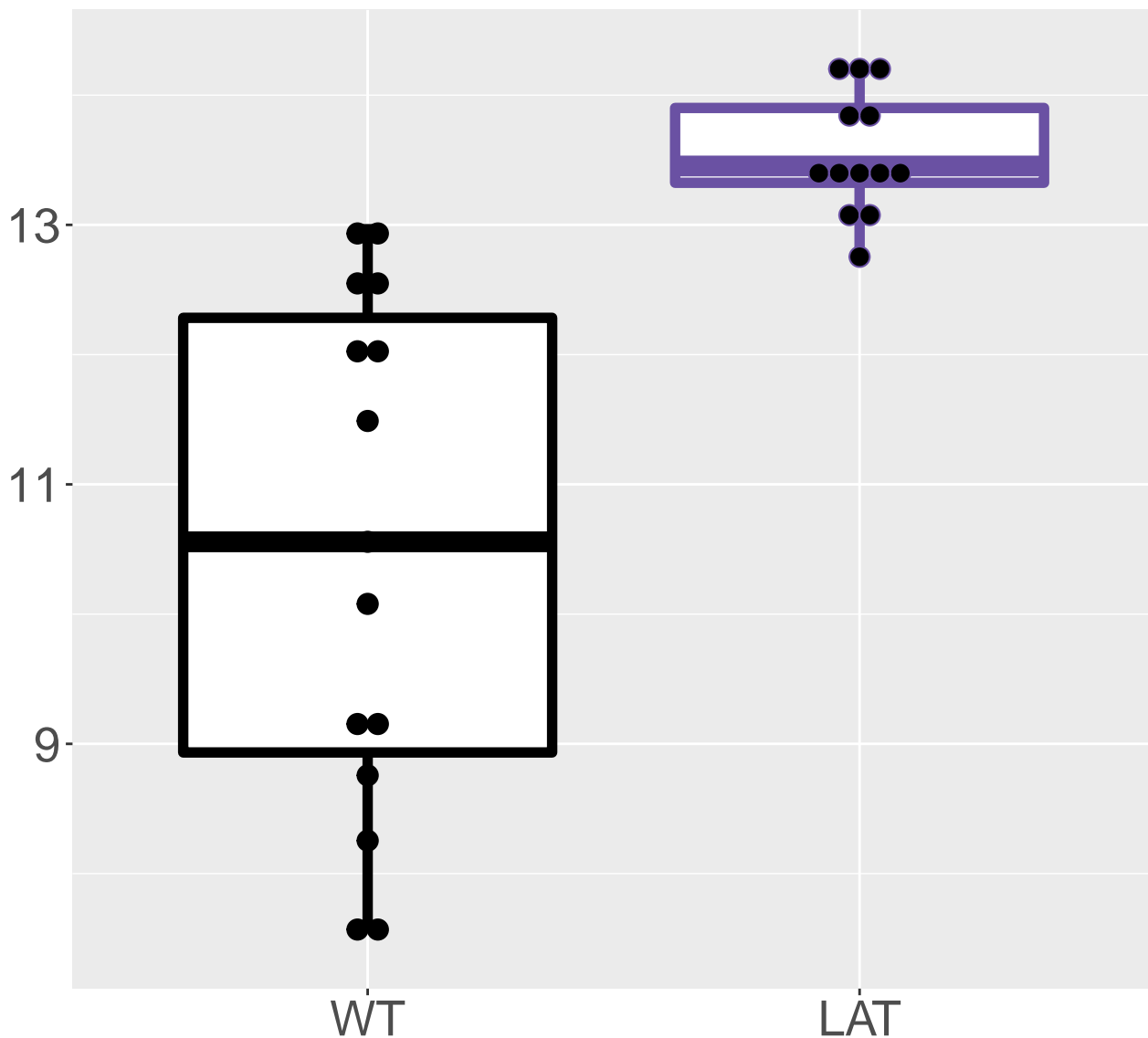
**M506.5913T309.15\_1**

**FDR =  $4.1\text{e-}05$ , FC = 0.97**



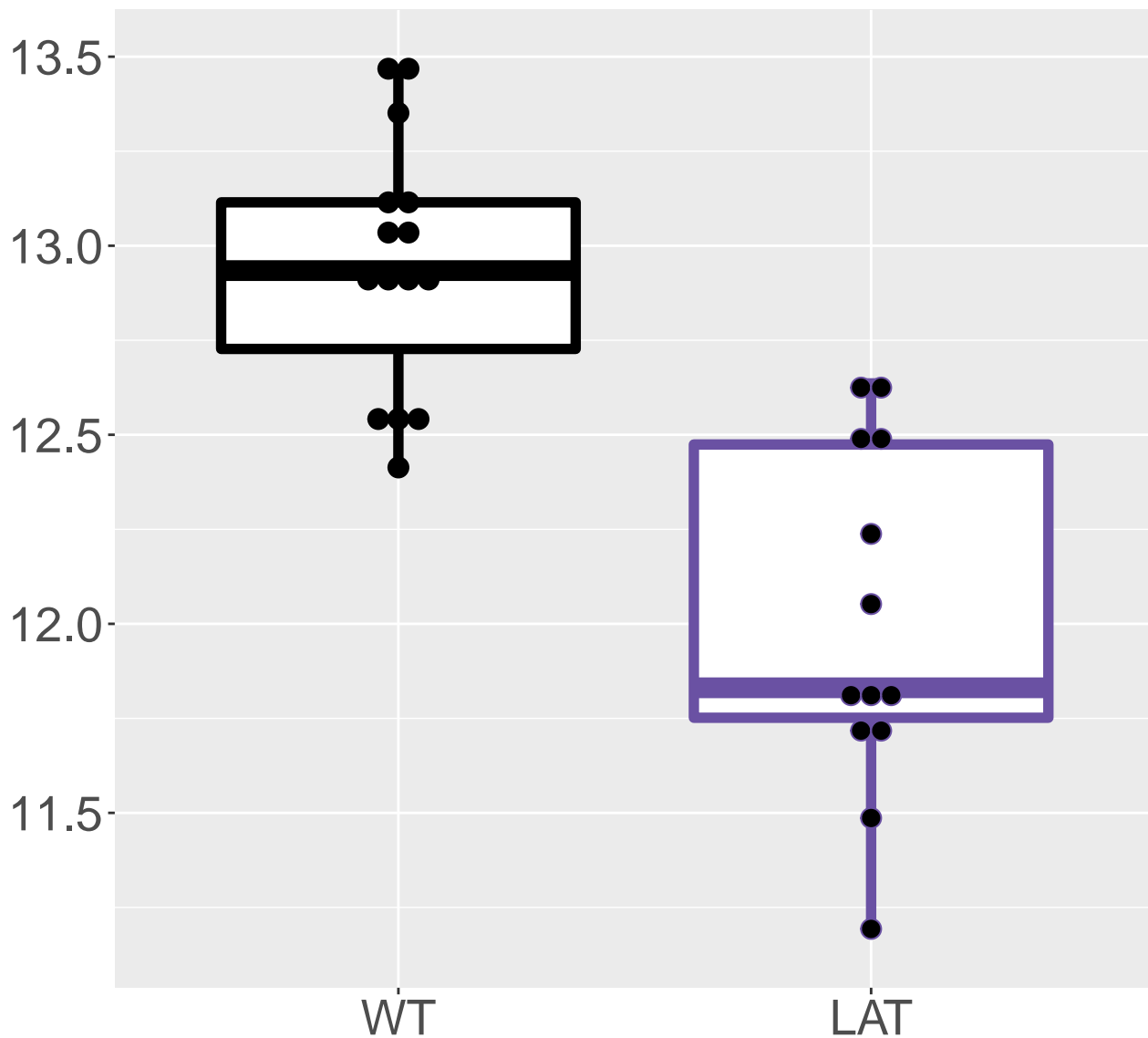
**M372.5972T316.47**

**FDR =  $4.4\text{e-}05$ , FC = 3.1**



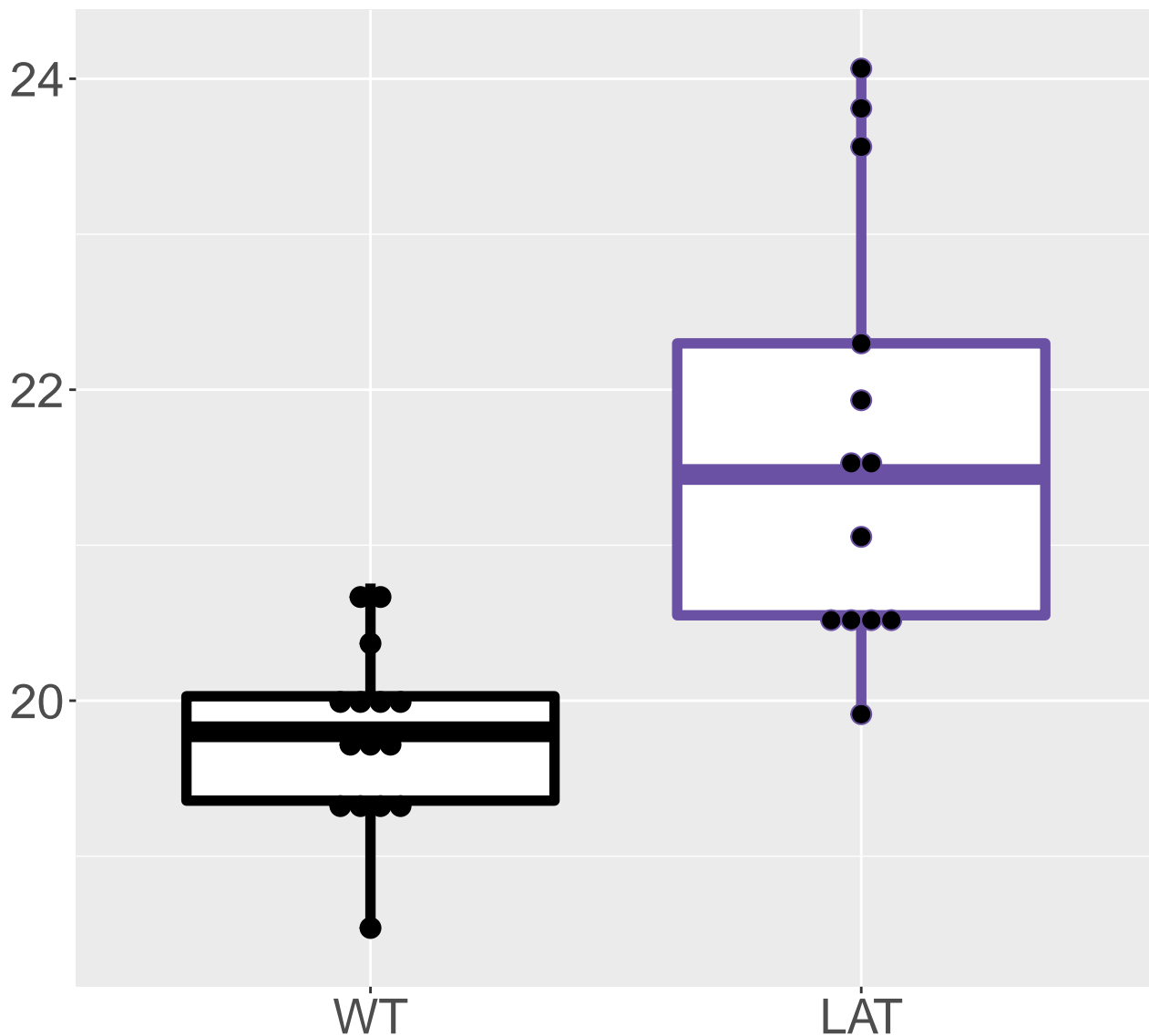
**M346.1582T261.92**

**FDR =  $4.4e-05$ , FC =  $-0.94$**

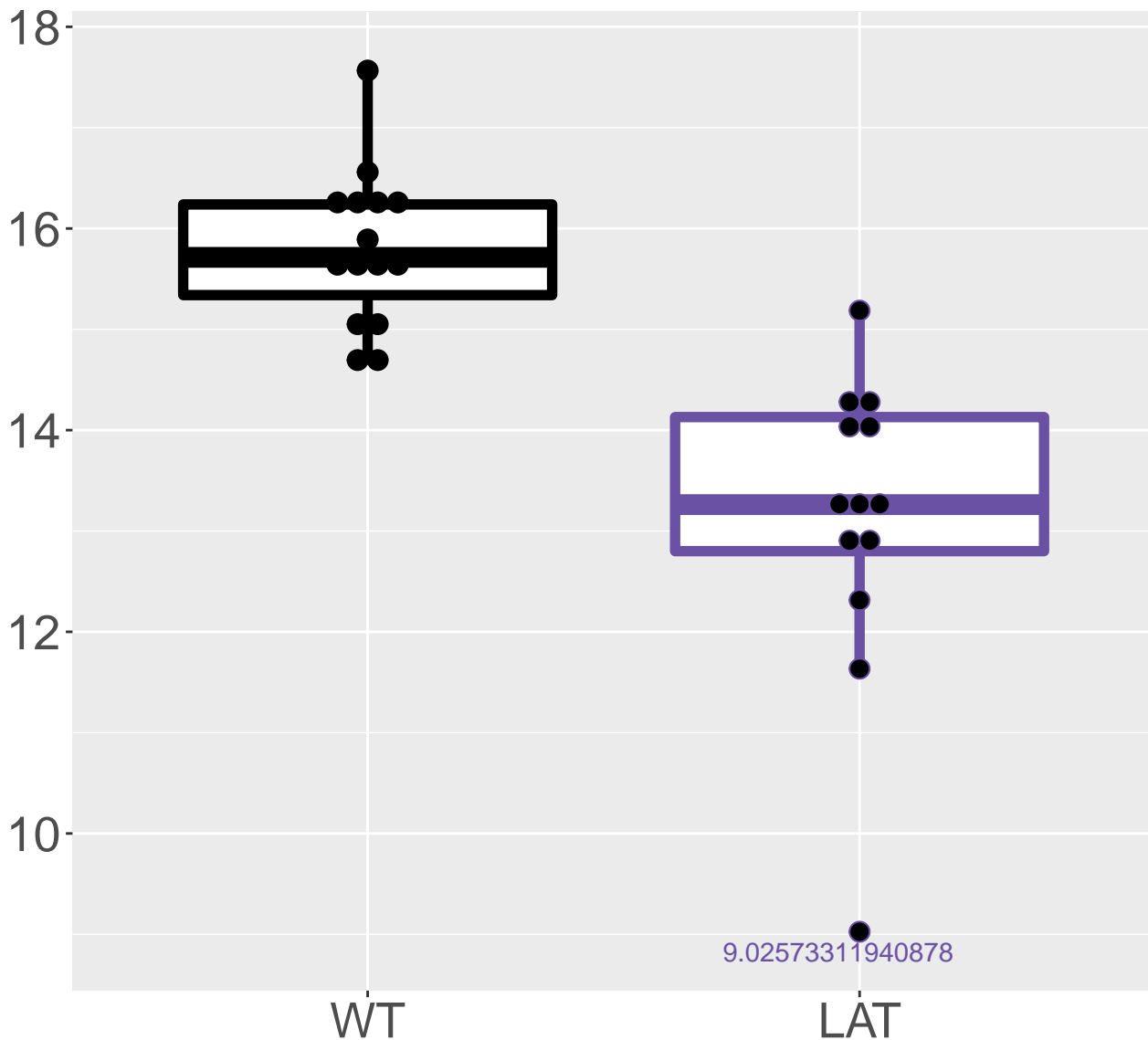


**M348.072T50.92**

**FDR =  $4.4\text{e-}05$ , FC = 1.9, sex\*\***

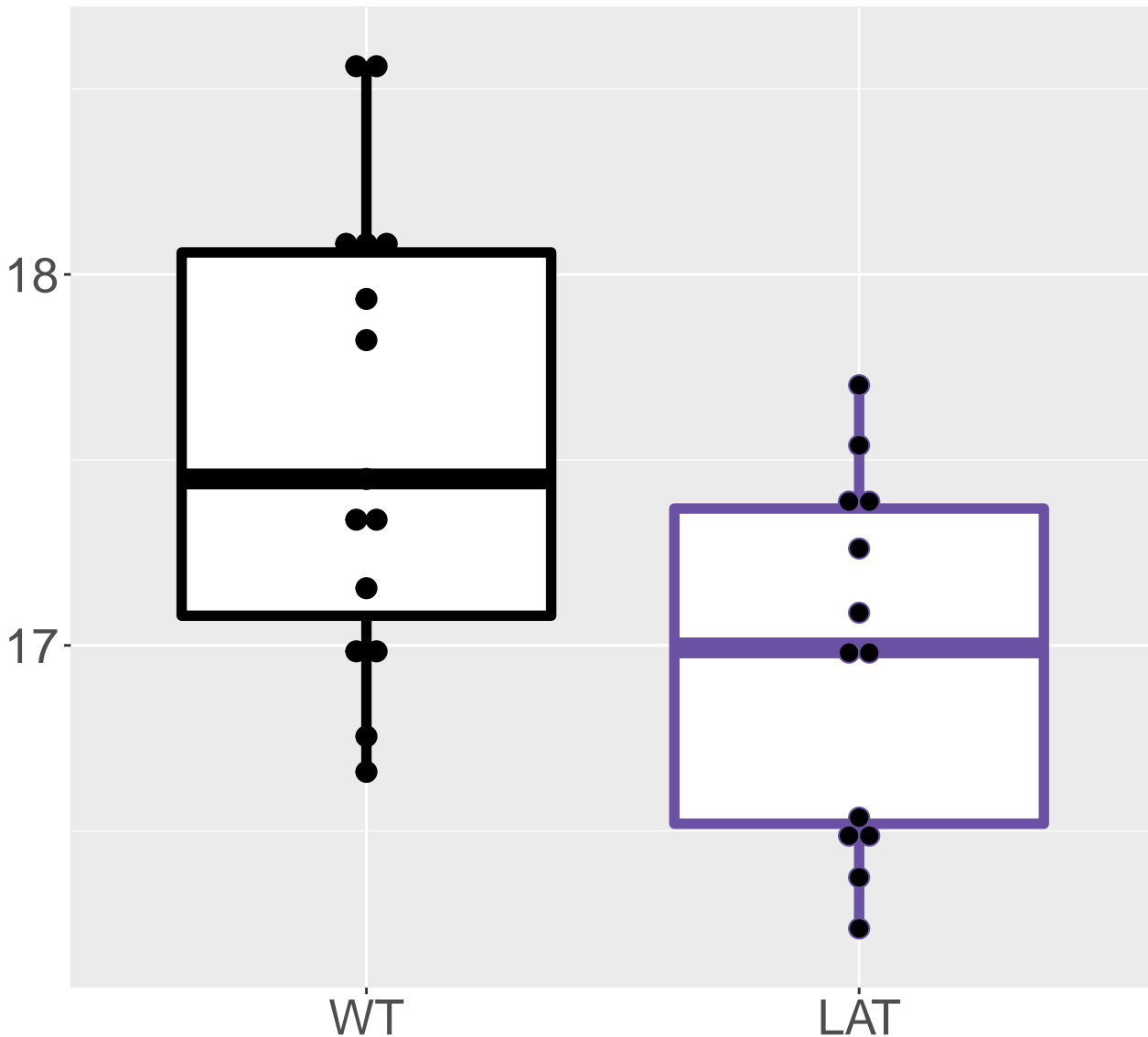


**M471.0113T327.67\_1**  
**FDR = 4.5e-05, FC = -2.7**



**M401.2163T81.68**

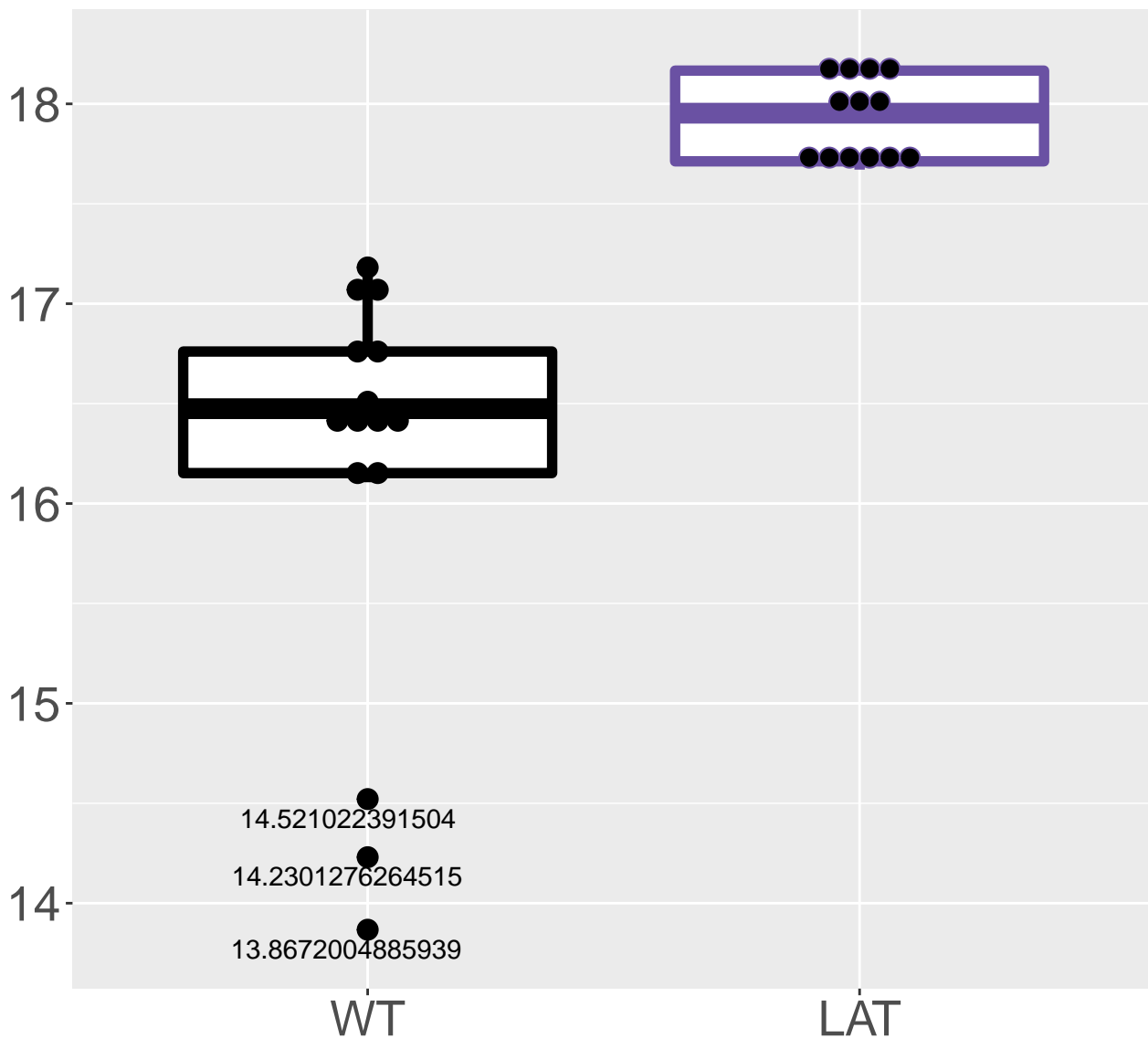
**FDR =  $4.7\text{e-}05$ , FC =  $-0.63$ , sex\*\*\***





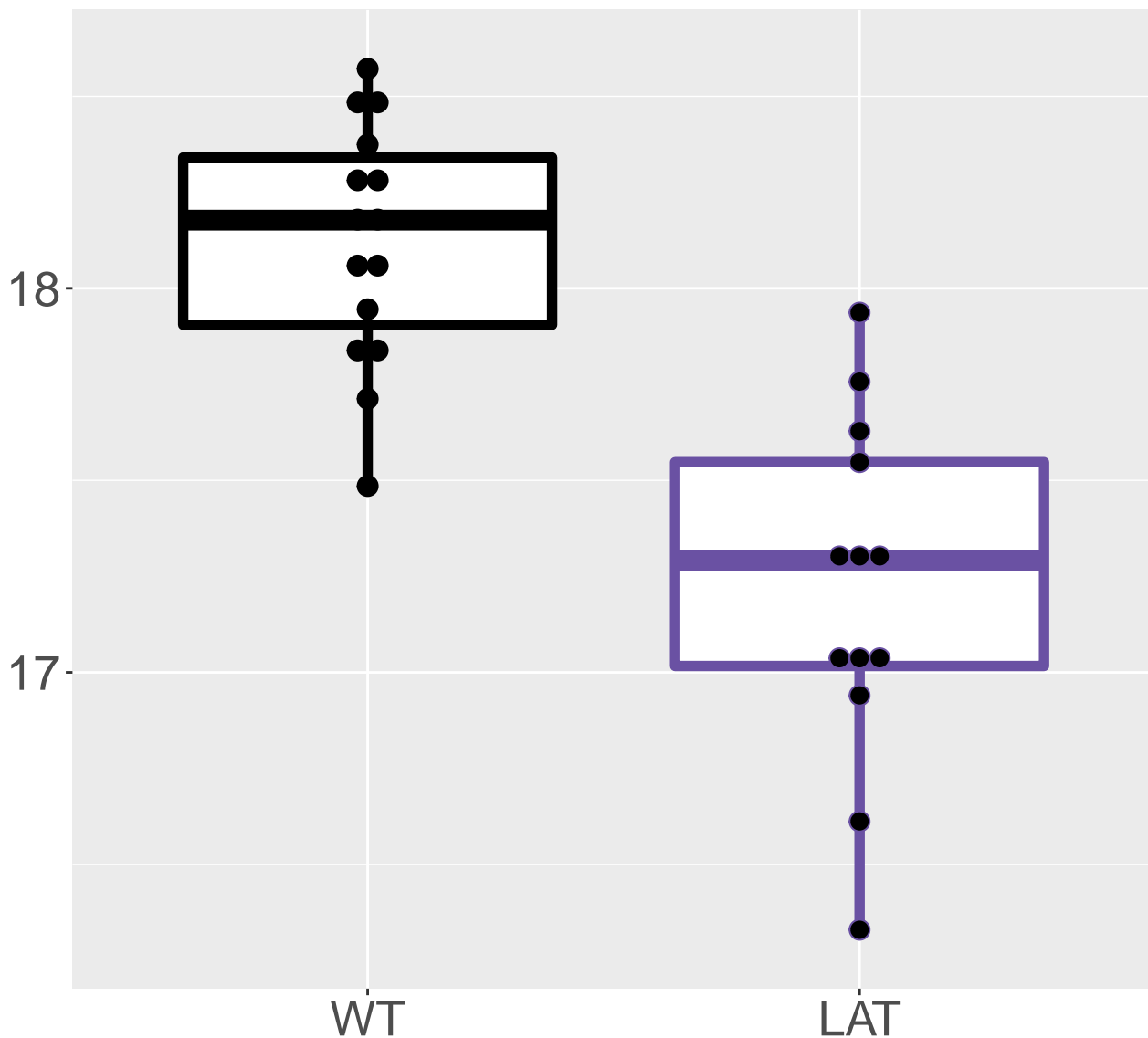
**M876.1727T73.62**

**FDR = 4.8e-05, FC = 1.8**



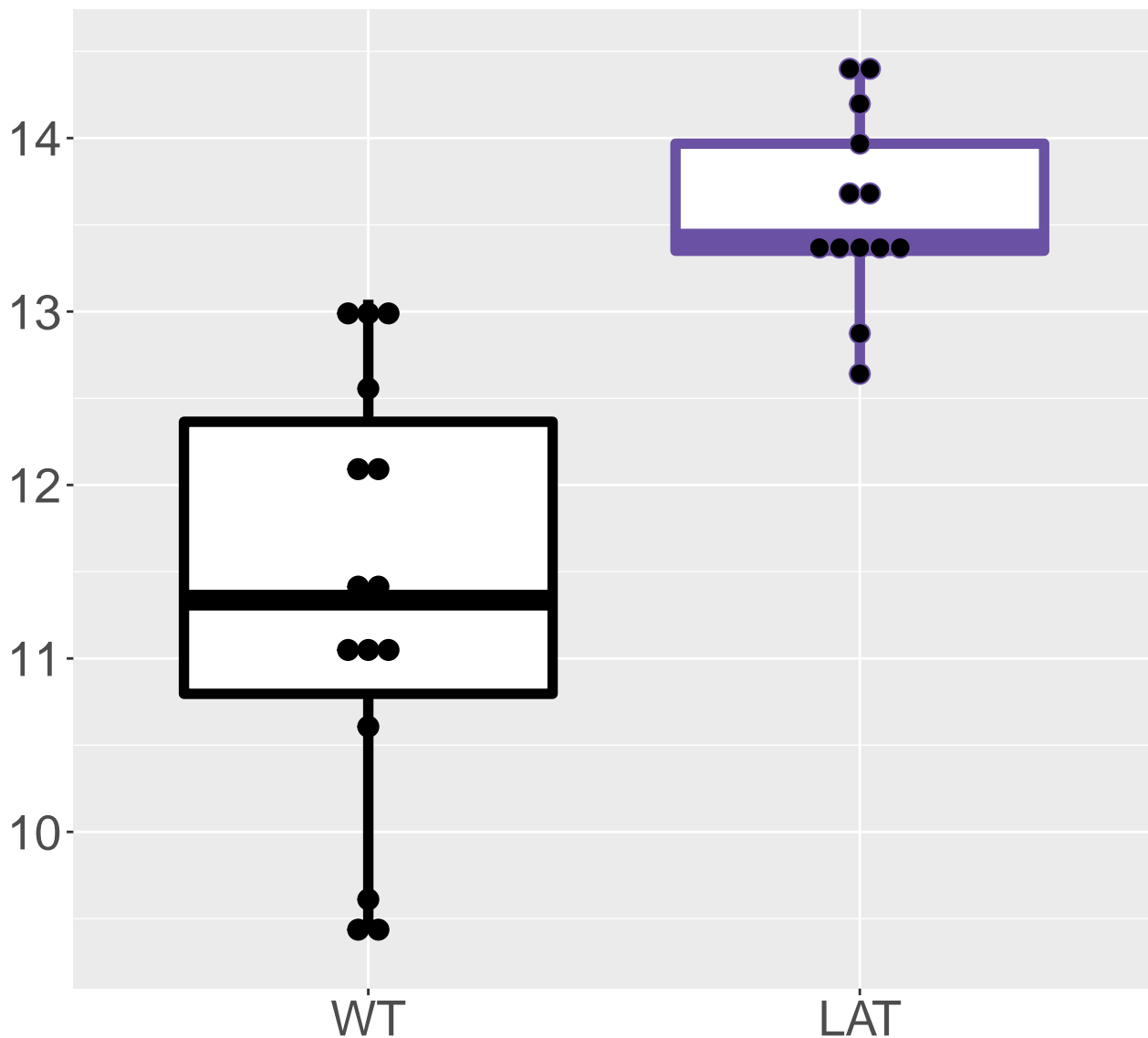
**M131.6951T75.33\_7**

**FDR =  $4.9\text{e-}05$ , FC =  $-0.91$**



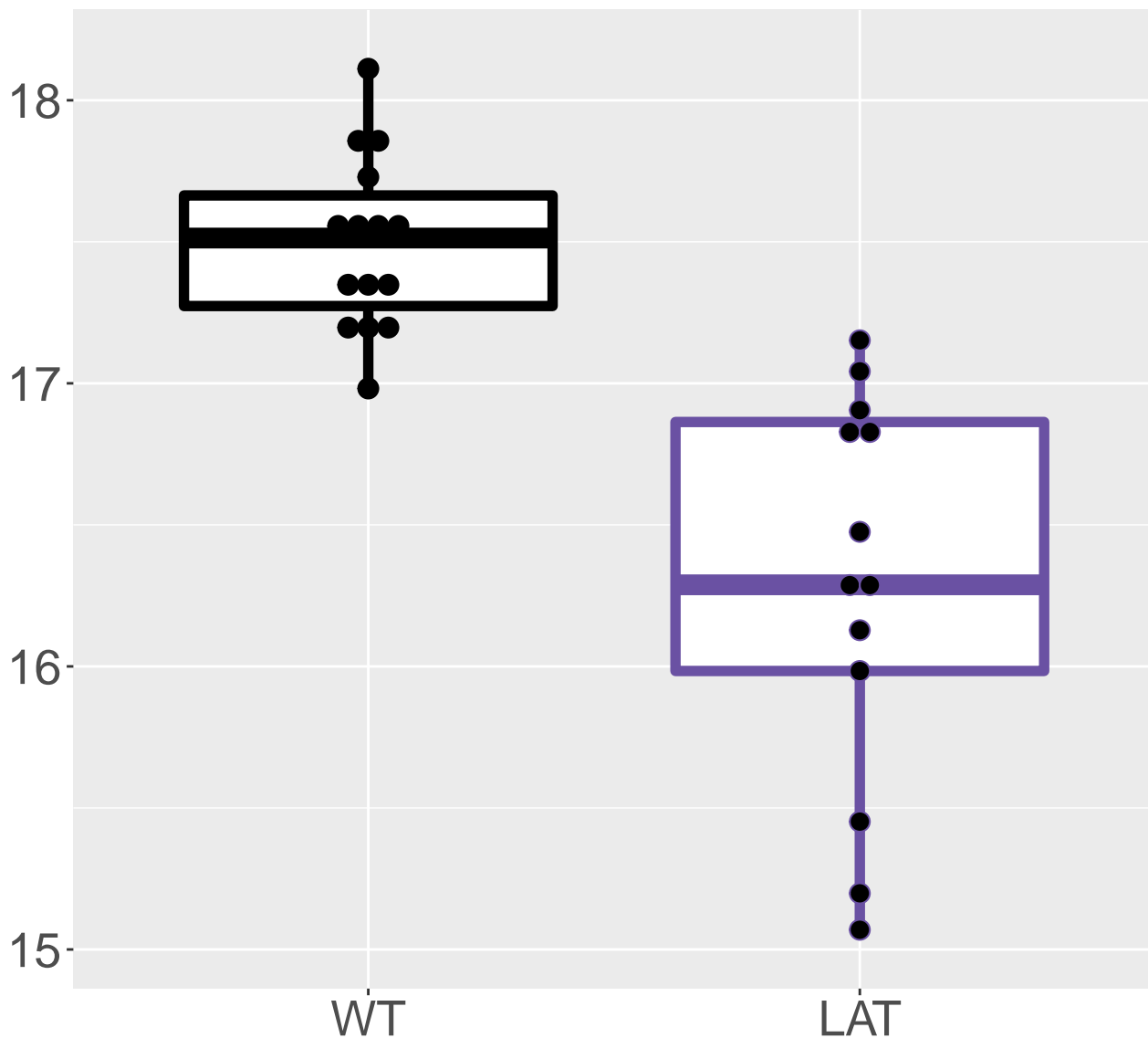
**M690.384T330.2\_3**

**FDR =  $4.9\text{e-}05$ , FC = 2.2**



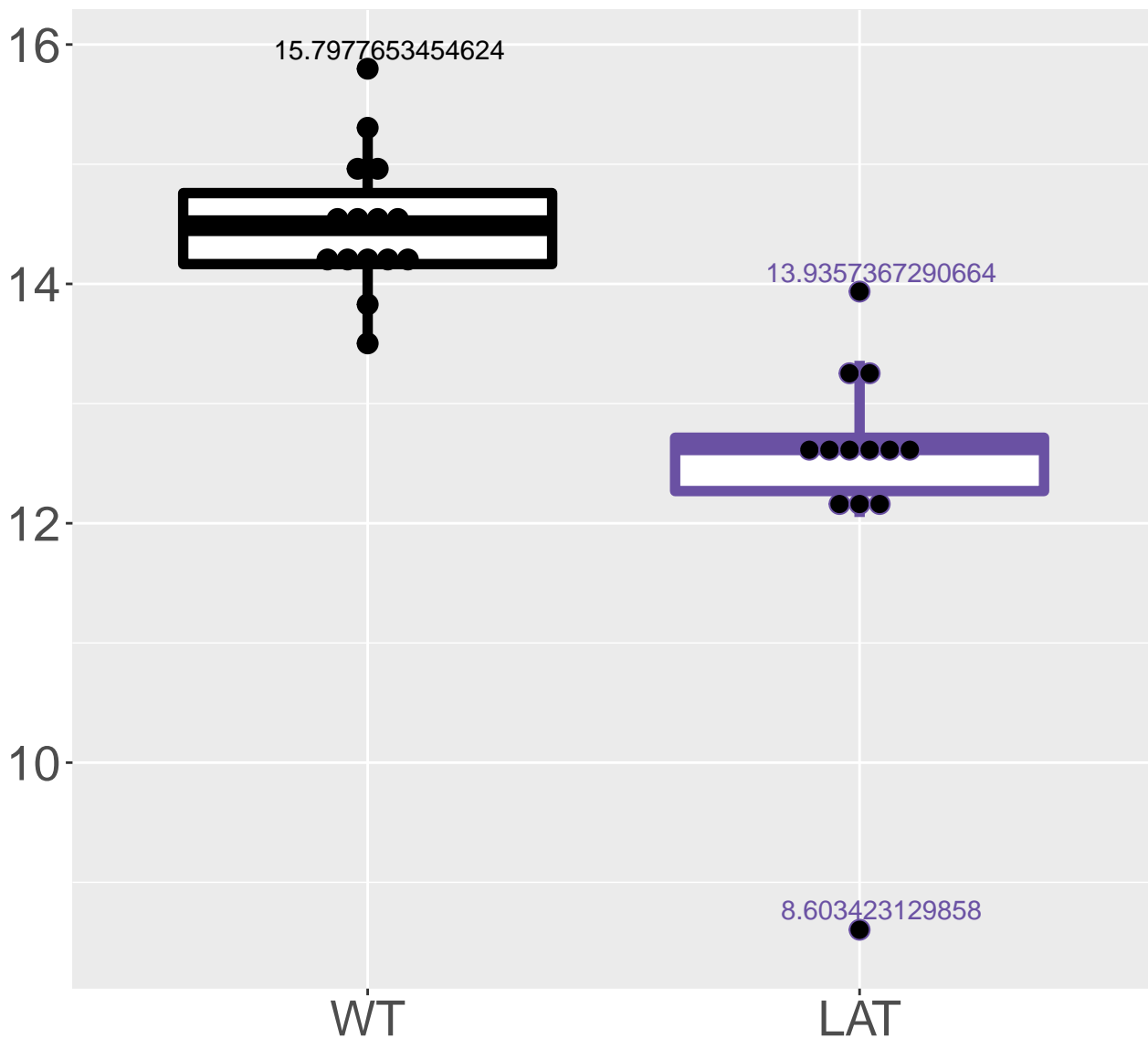
**M130.6158T75.27\_5**

**FDR =  $5.1\text{e-}05$ , FC = -1.2**



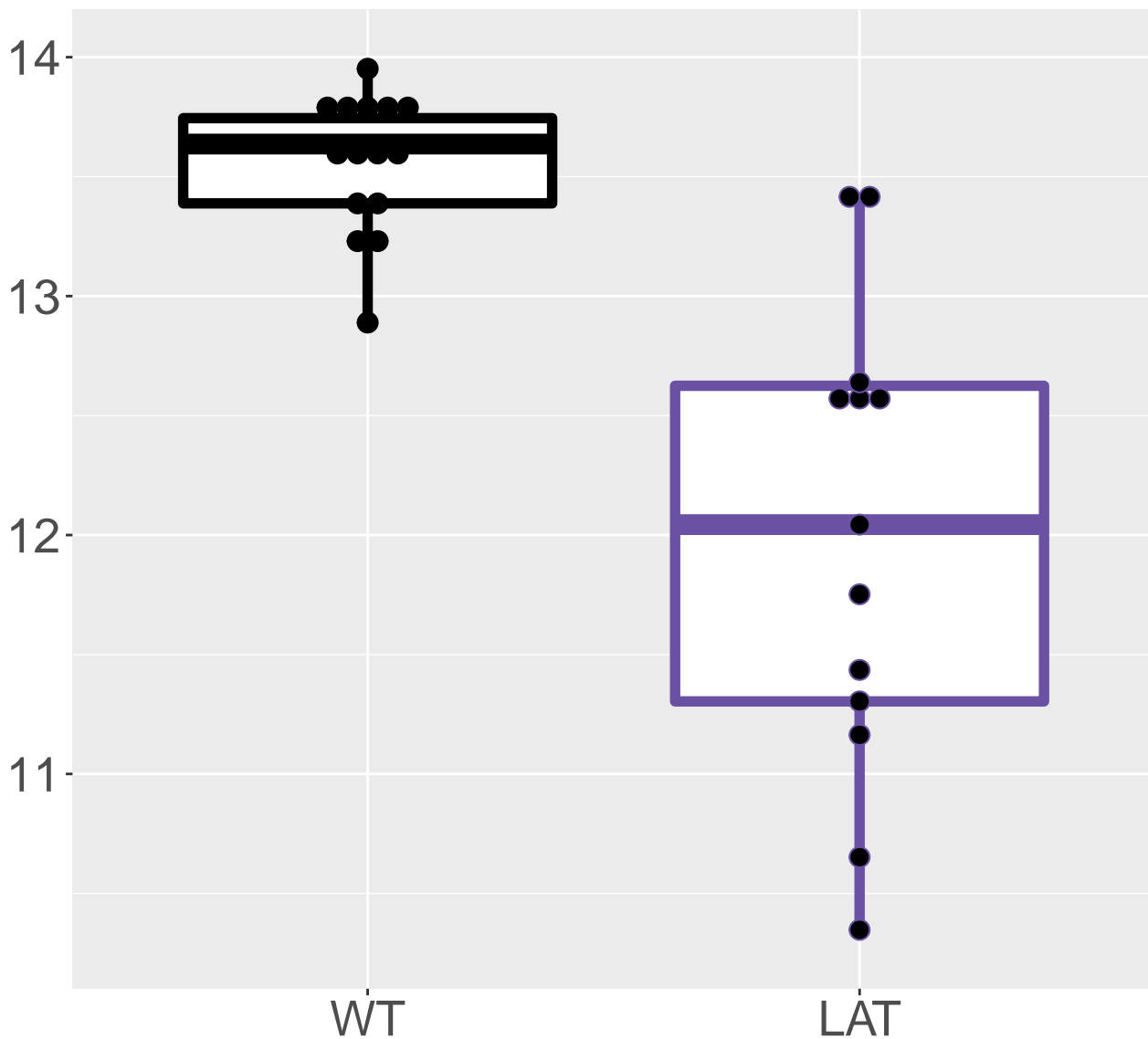
**M477.4809T377.78\_2**

**FDR = 5.1e-05, FC = -2.1**



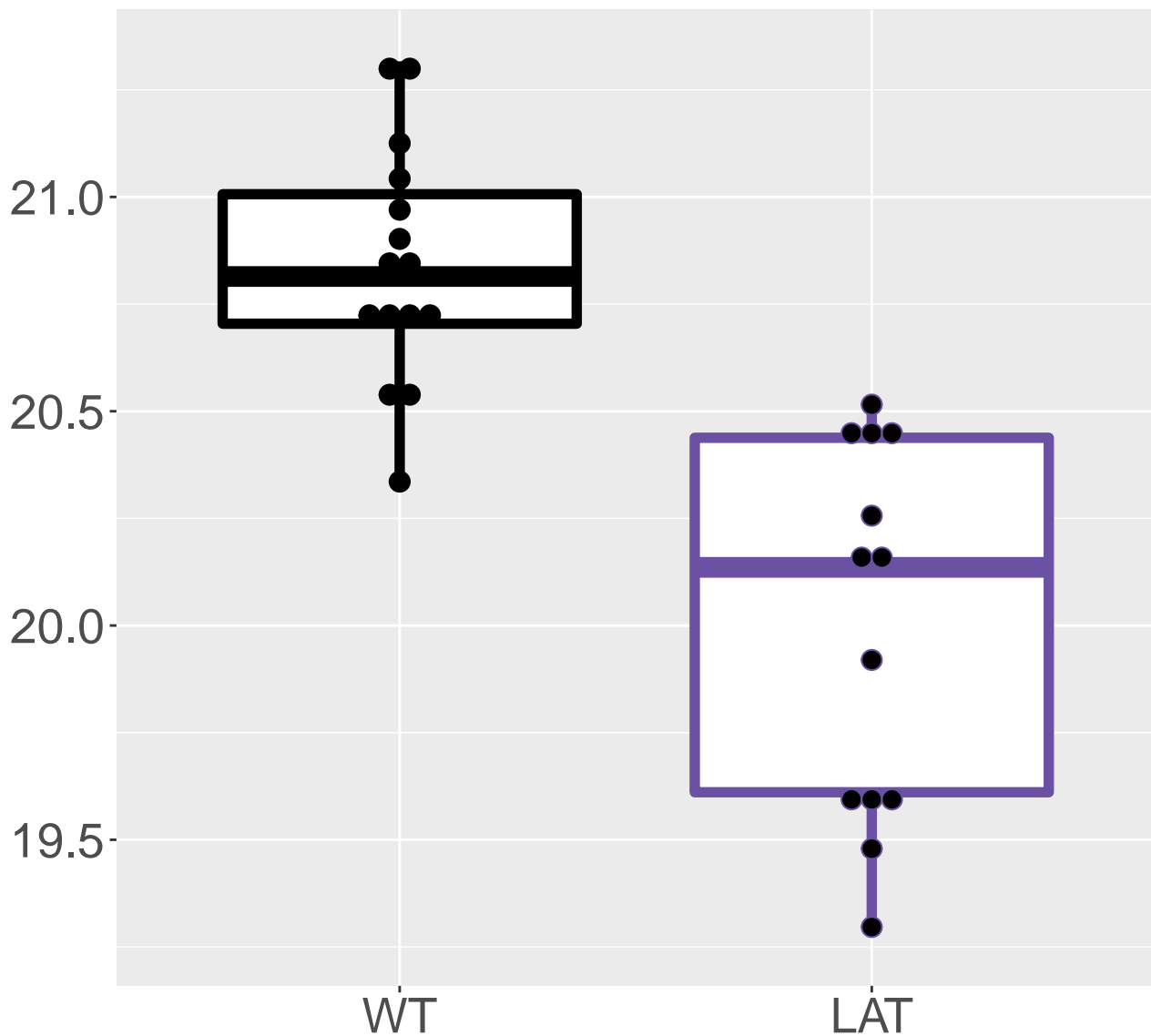
**M537.7677T250.19**

**FDR =  $5.2e-05$ , FC =  $-1.6$**



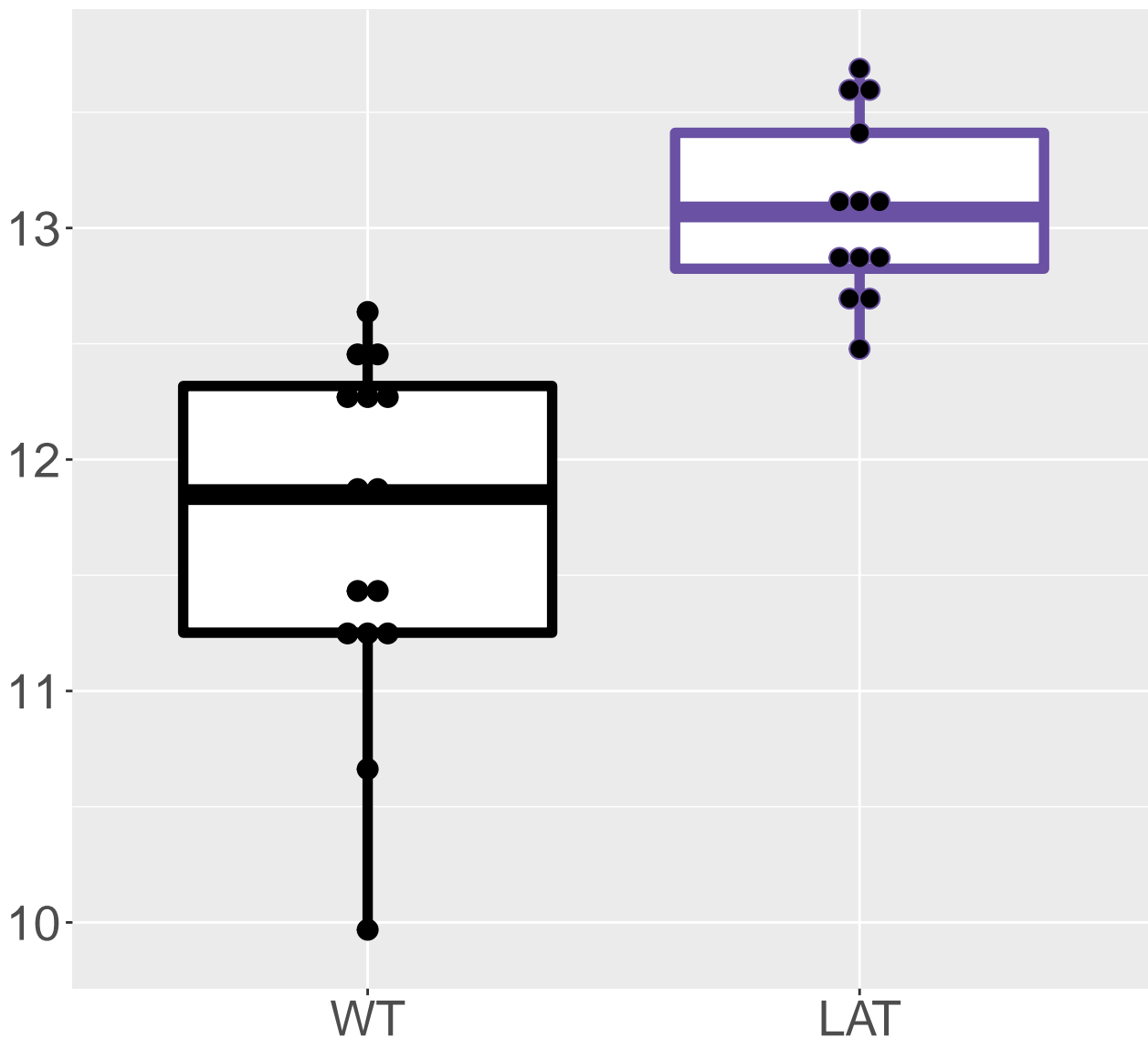
**M203.1511T47.29\_2**

**FDR =  $5.2e-05$ , FC =  $-0.85$**



**M387.8689T122.7**

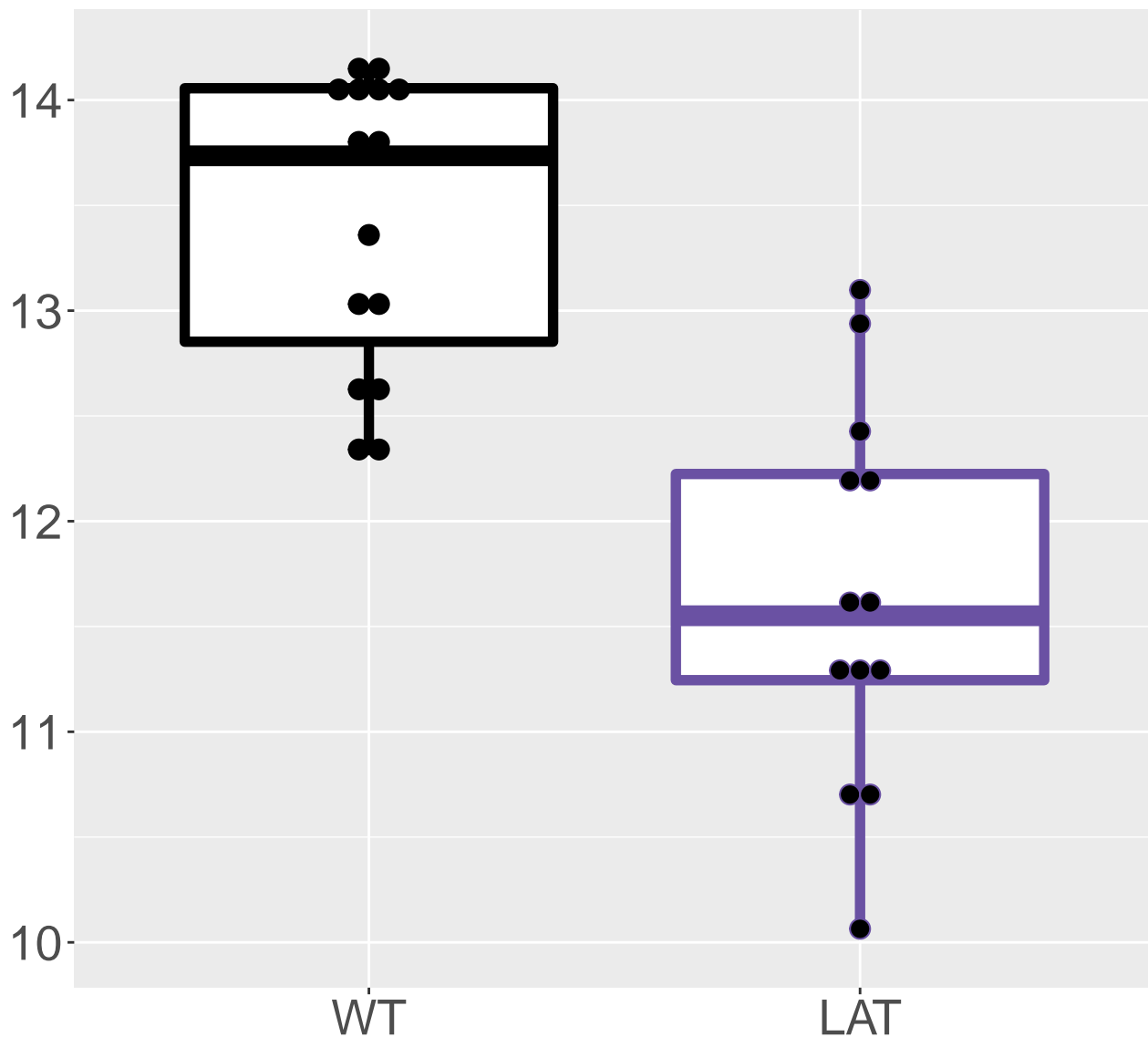
**FDR =  $5.3e-05$ , FC = 1.4**





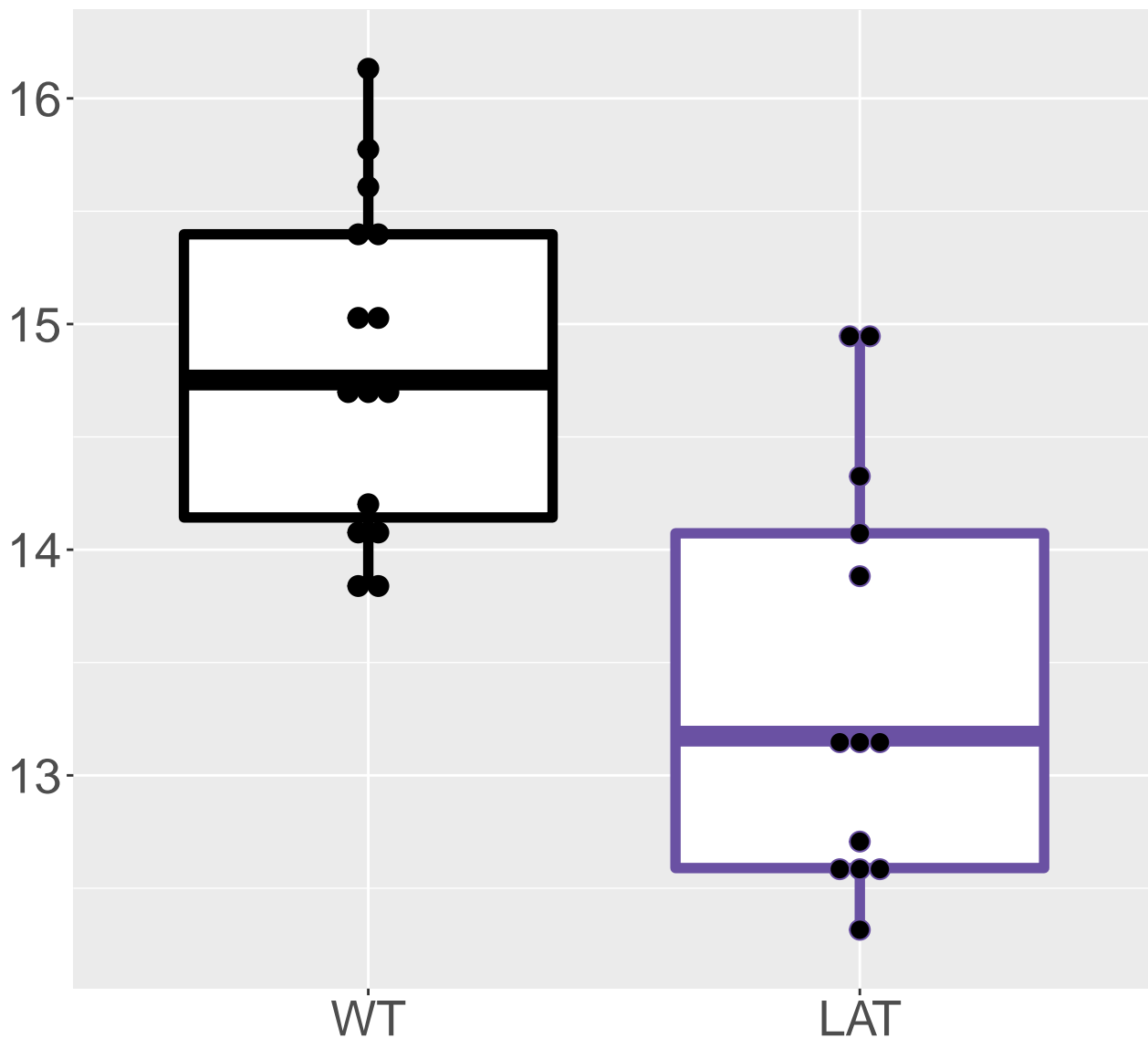
**M269.0971T262.49**

**FDR =  $5.3e-05$ , FC =  $-1.8$**



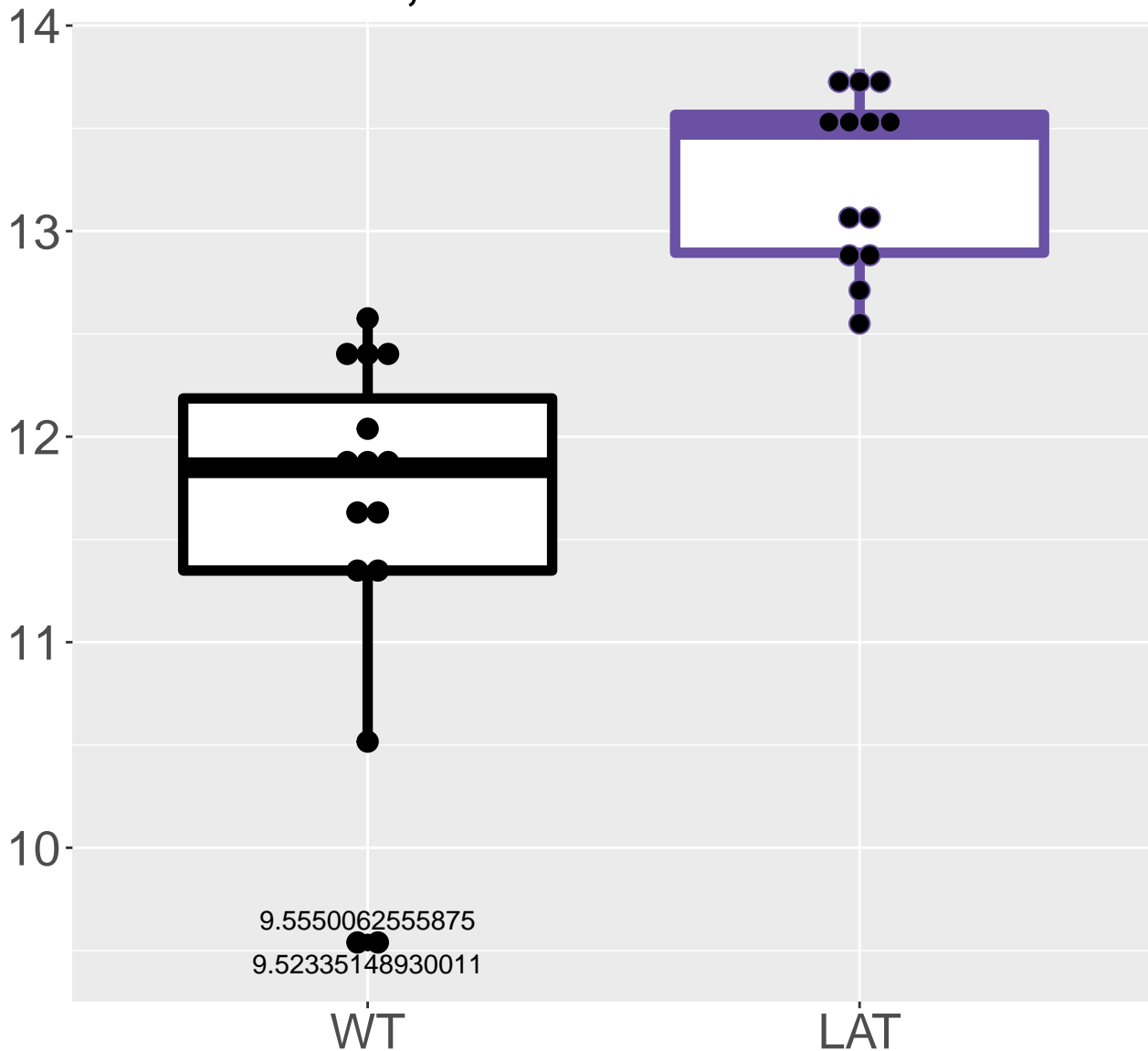
**M616.9409T312.8\_3**

**FDR = 5.4e-05, FC = -1.4, sex\***

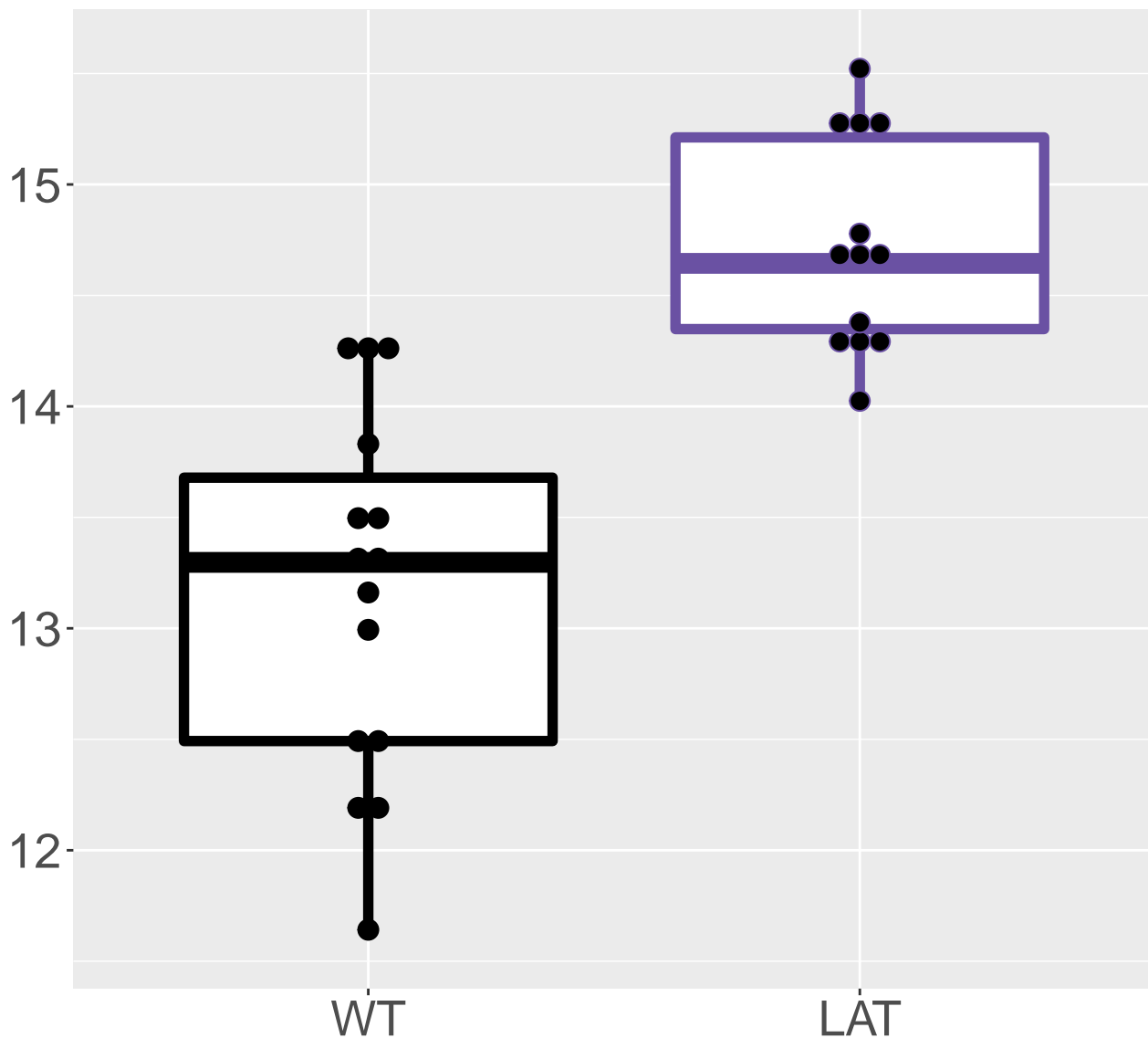


**M424.7427T128.18**

**FDR = 5.5e-05, FC = 1.7**

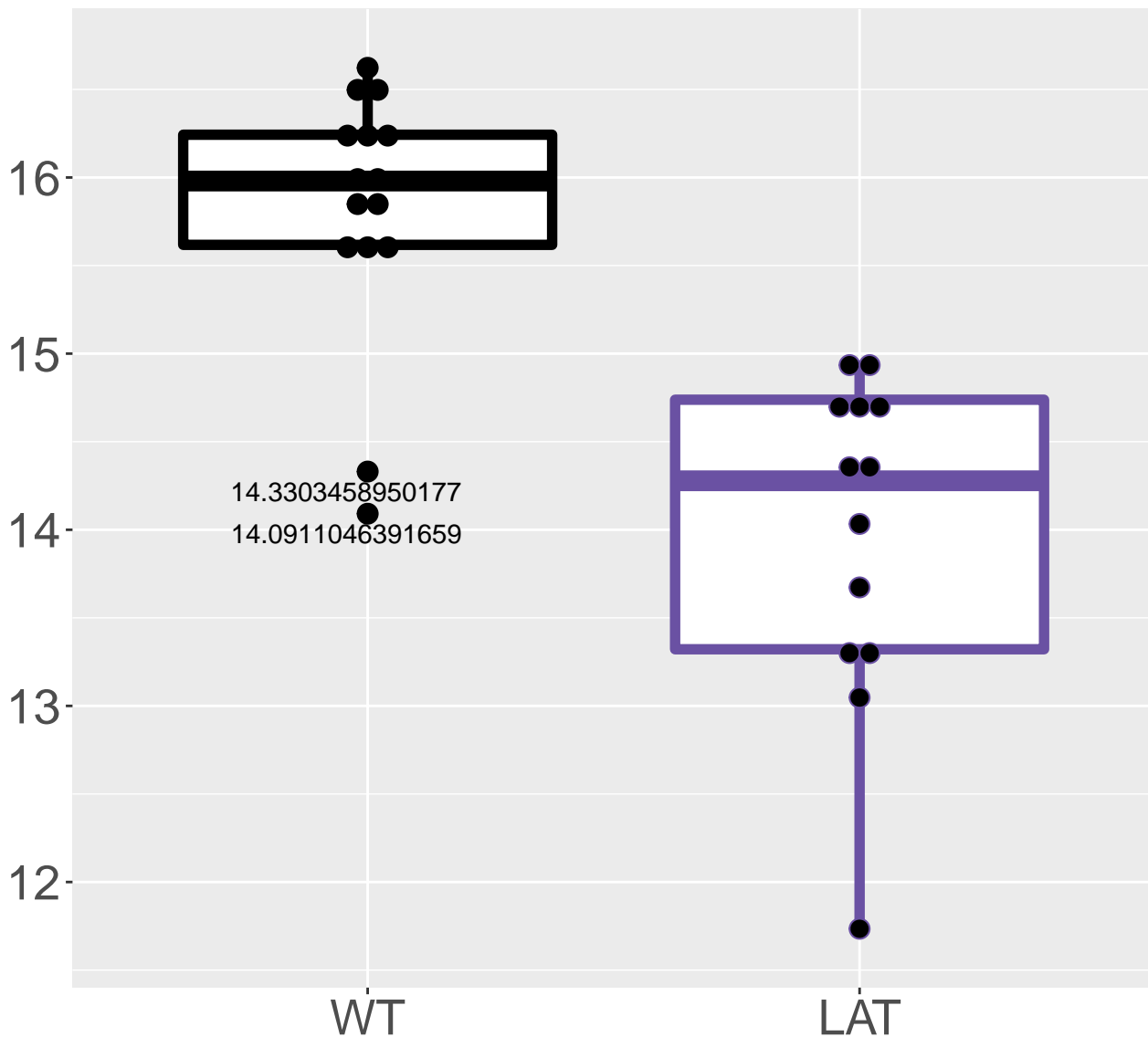


**M275.1618T268.61**  
**FDR = 5.5e-05, FC = 1.6**



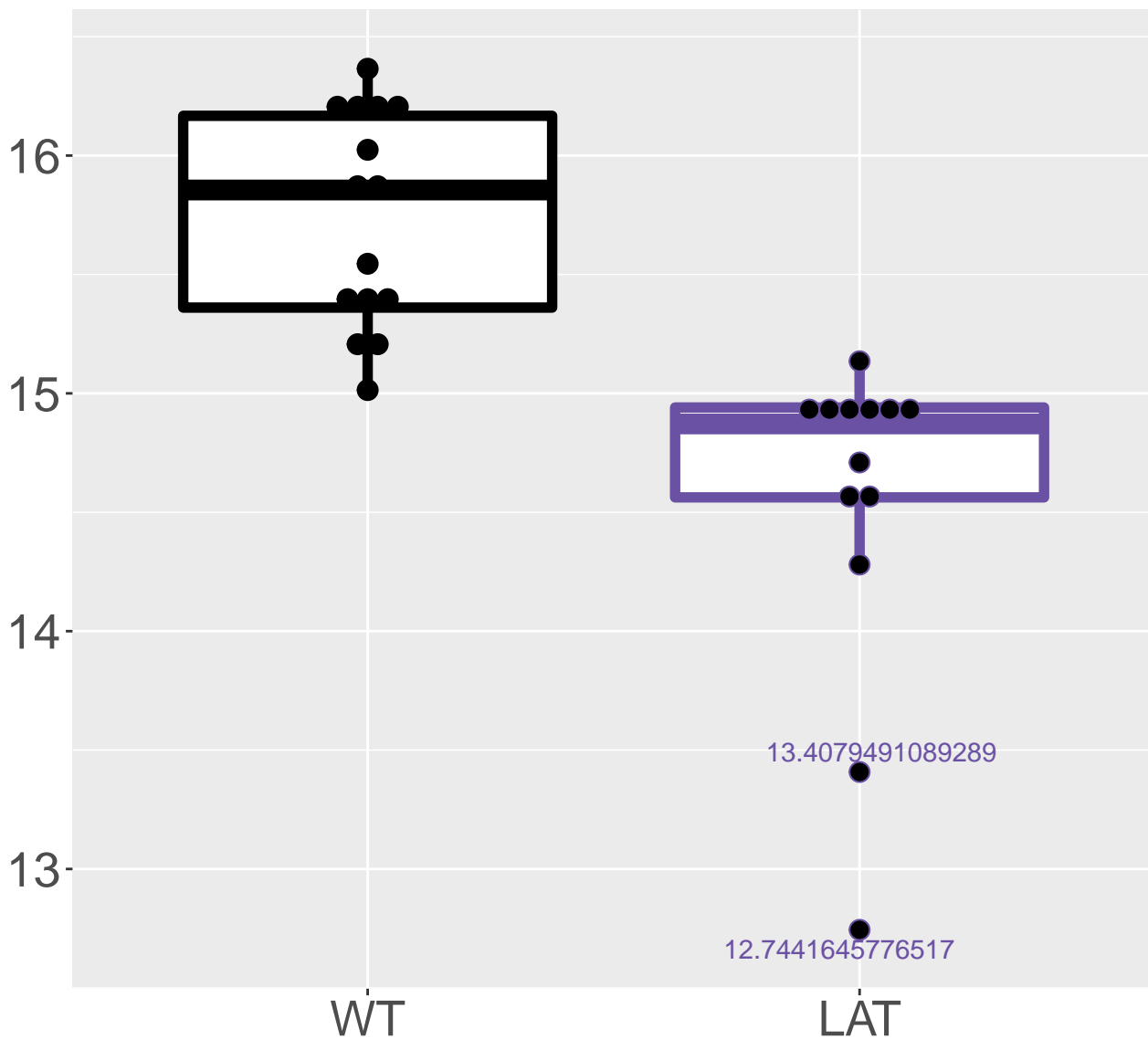
**M250.9135T238.93\_1**

**FDR =  $5.5e-05$ , FC =  $-1.8$**



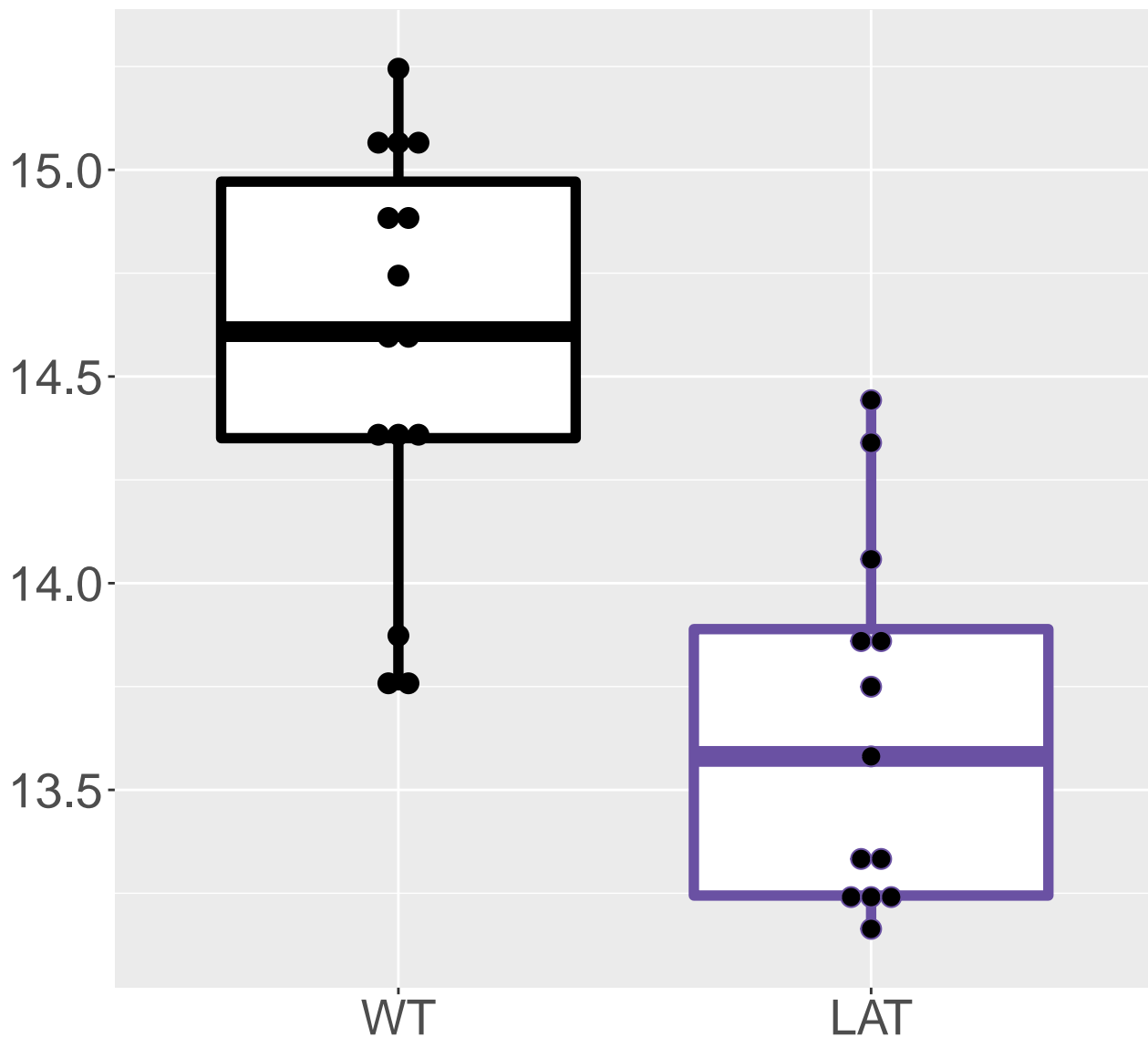
**M851.2676T46.5**

**FDR =  $5.5e-05$ , FC =  $-1.2$**



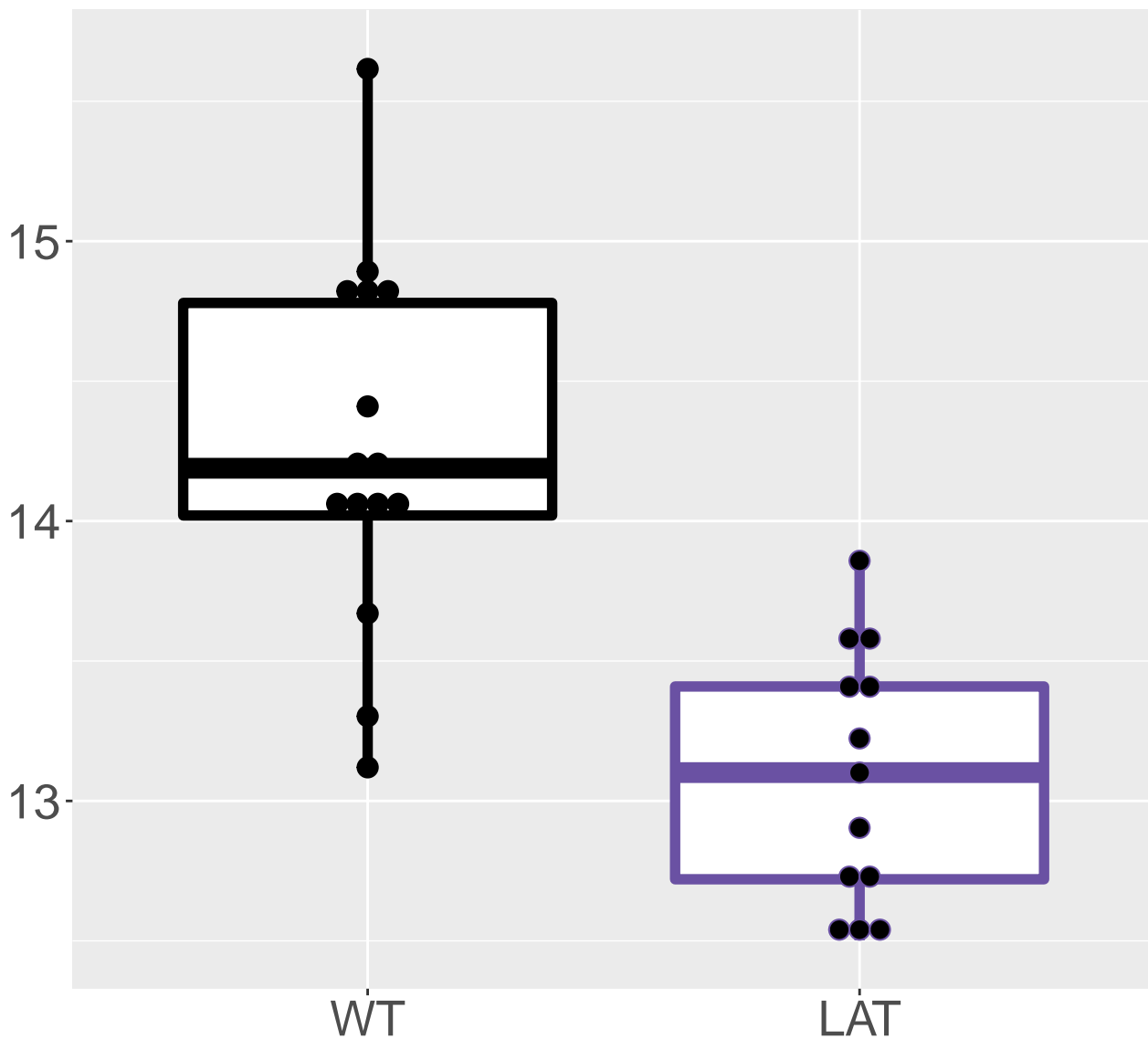
**M361.1727T164.8**

**FDR =  $5.5e-05$ , FC =  $-0.92$**



**M318.6969T248.7**

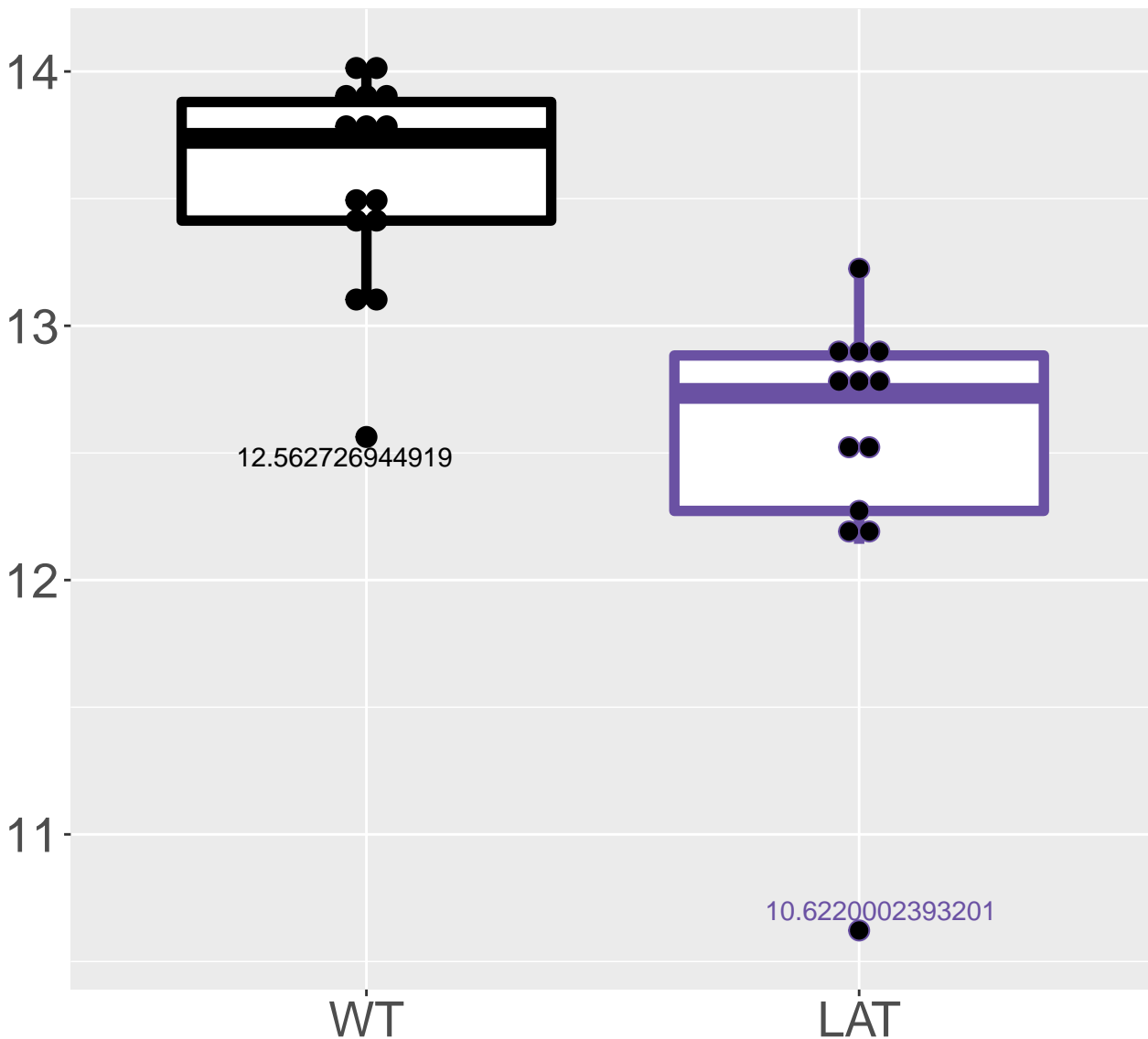
**FDR = 5.6e-05, FC = -1.2**





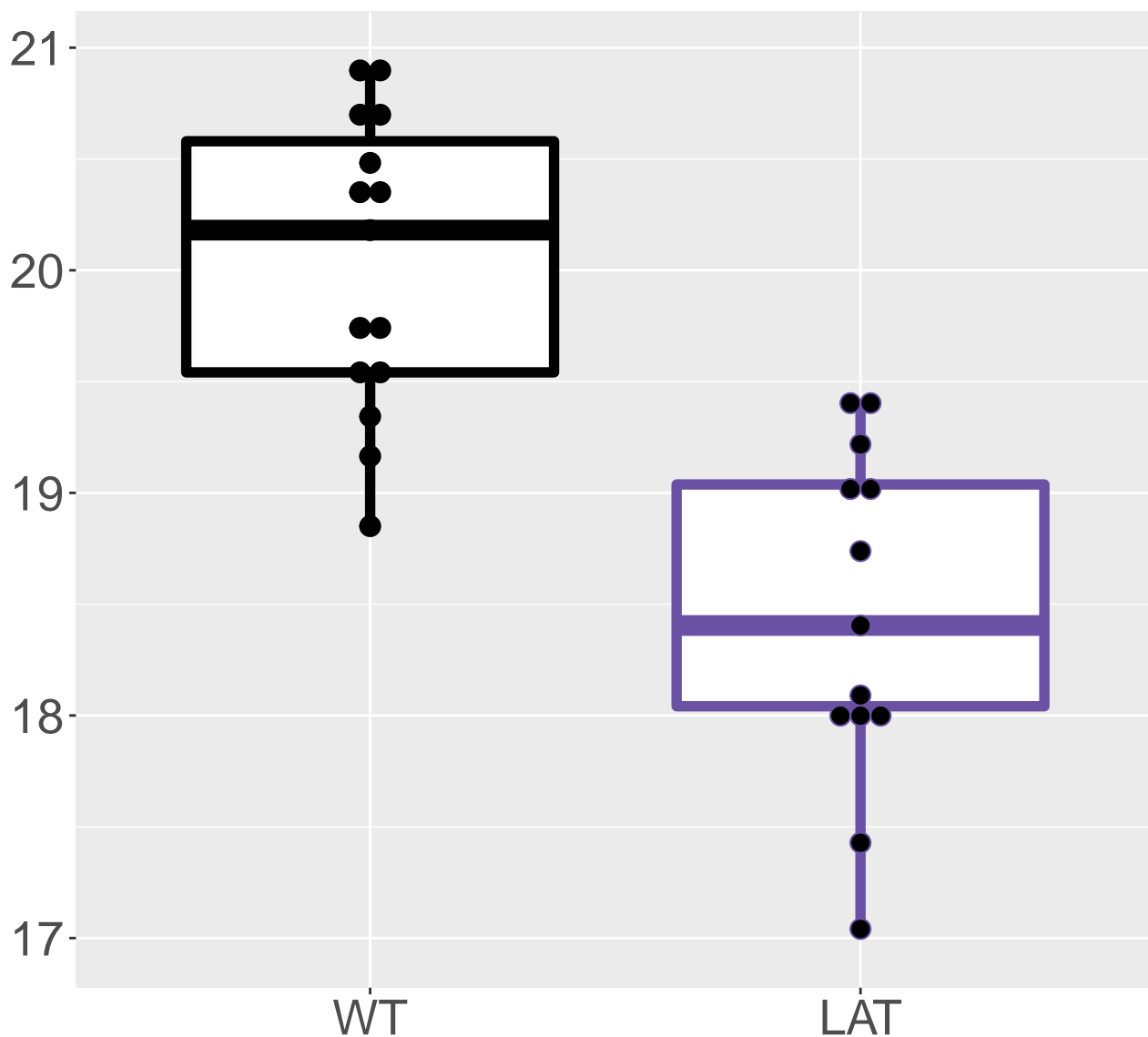
**M438.8845T270.78\_2**

**FDR = 5.6e-05, FC = -1.1**



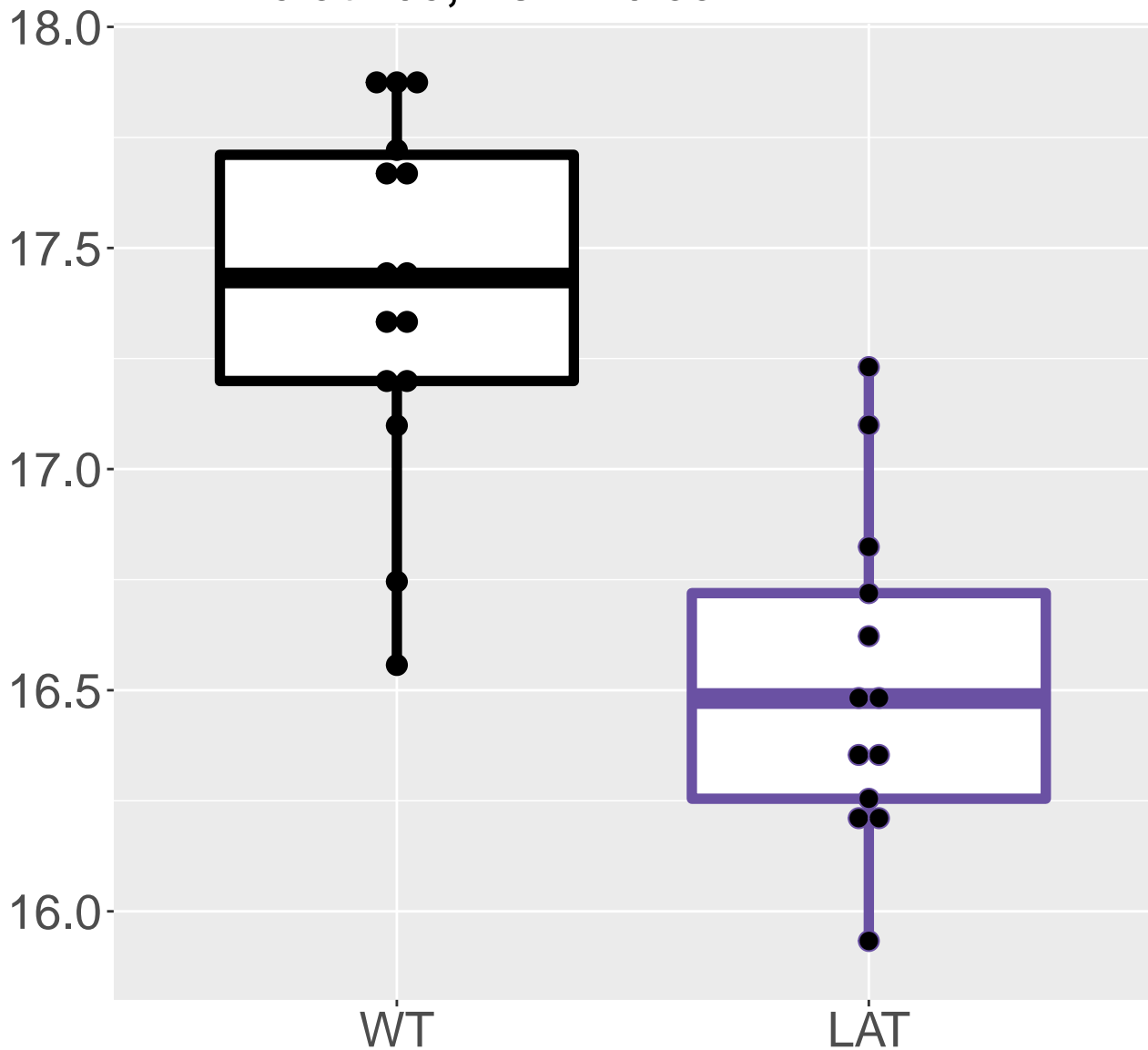
**M431.1805T78.72**

**FDR =  $5.8e-05$ , FC =  $-1.6$**



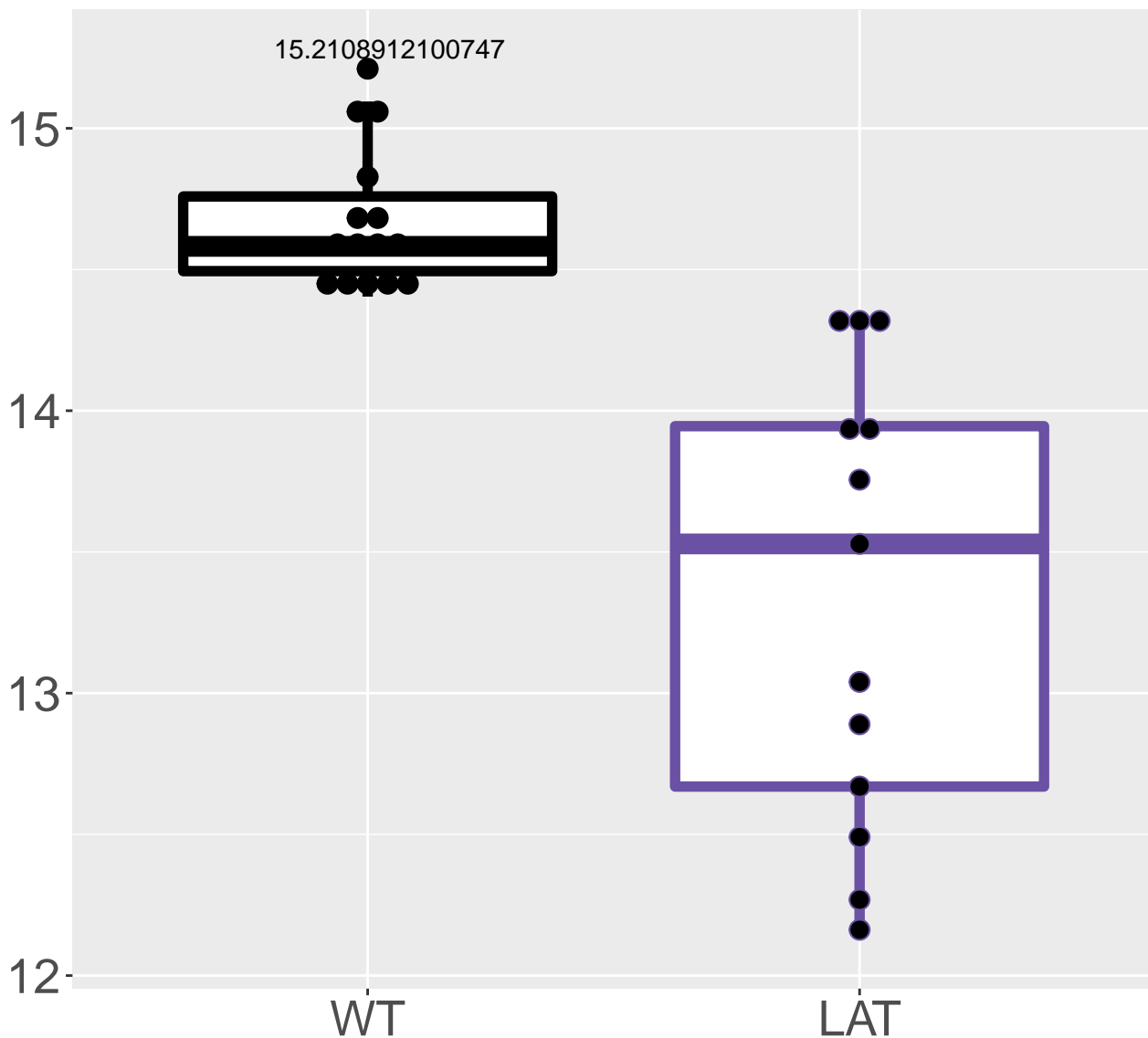
**M867.2415T47.06**

**FDR =  $5.9e-05$ , FC =  $-0.88$**



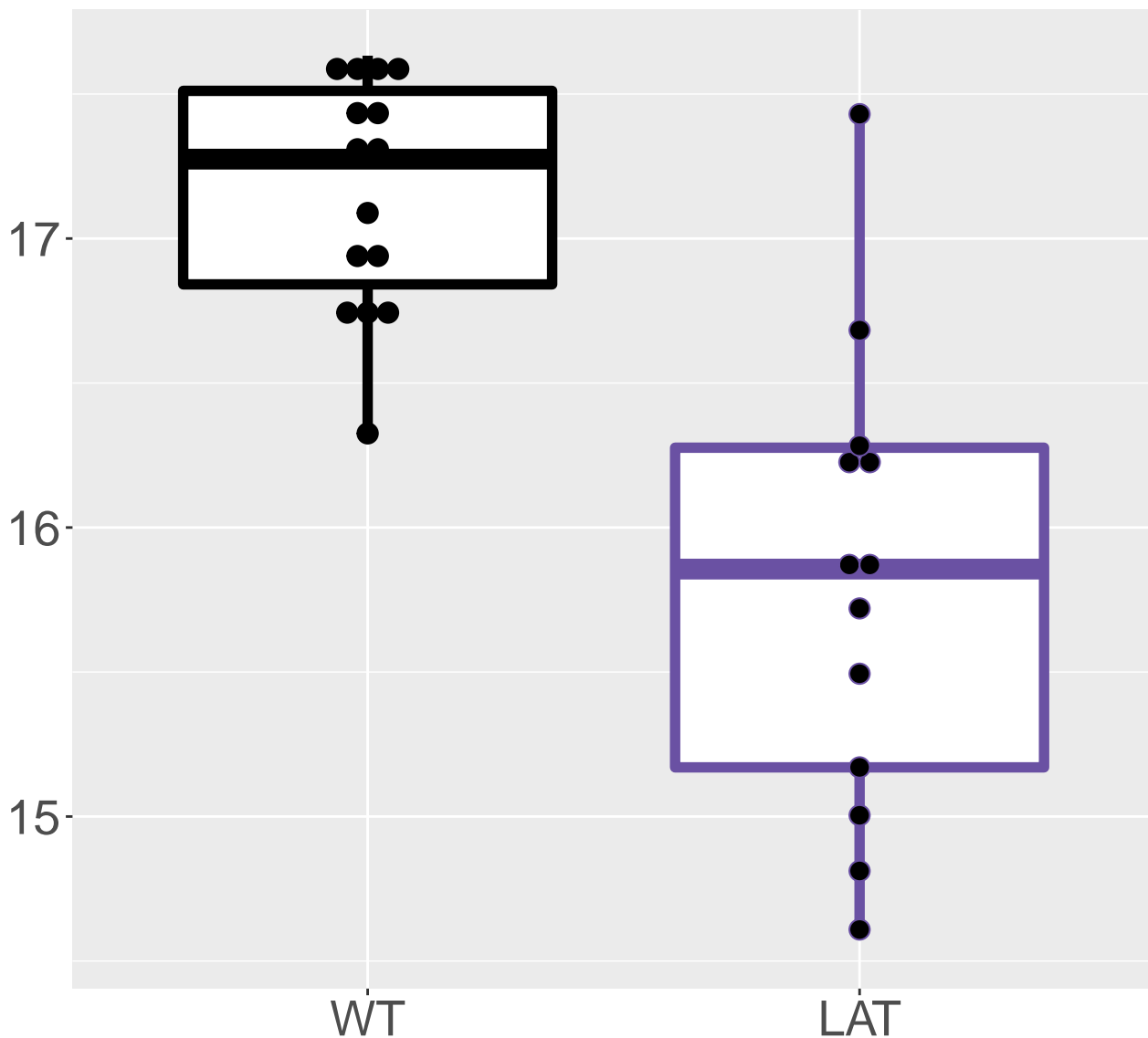
**M365.2095T90.86\_2**

**FDR =  $5.9\text{e-}05$ , FC =  $-1.3$**



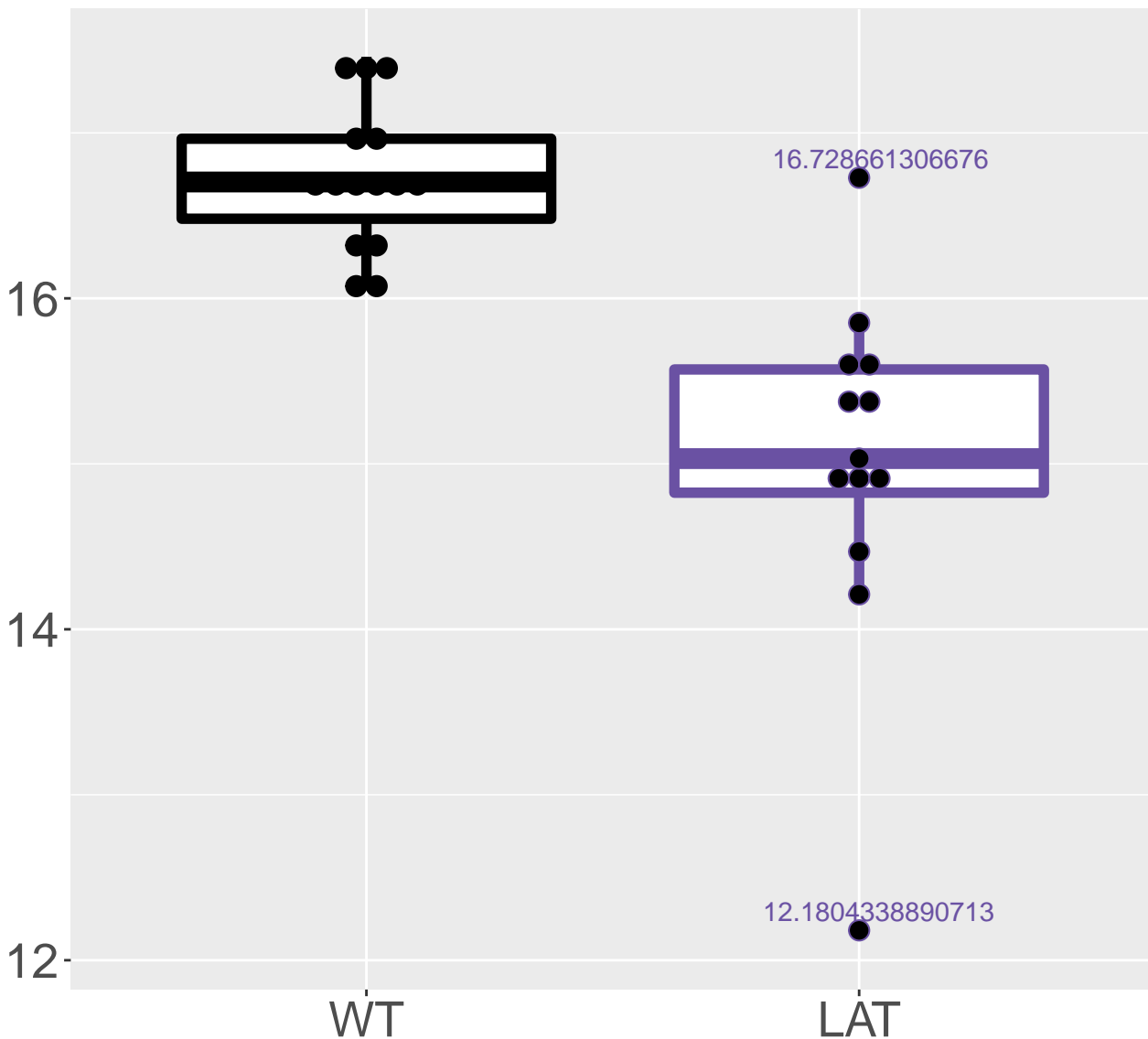
**M785.3155T52.96**

**FDR =  $6.1\text{e-}05$ , FC =  $-1.4$**



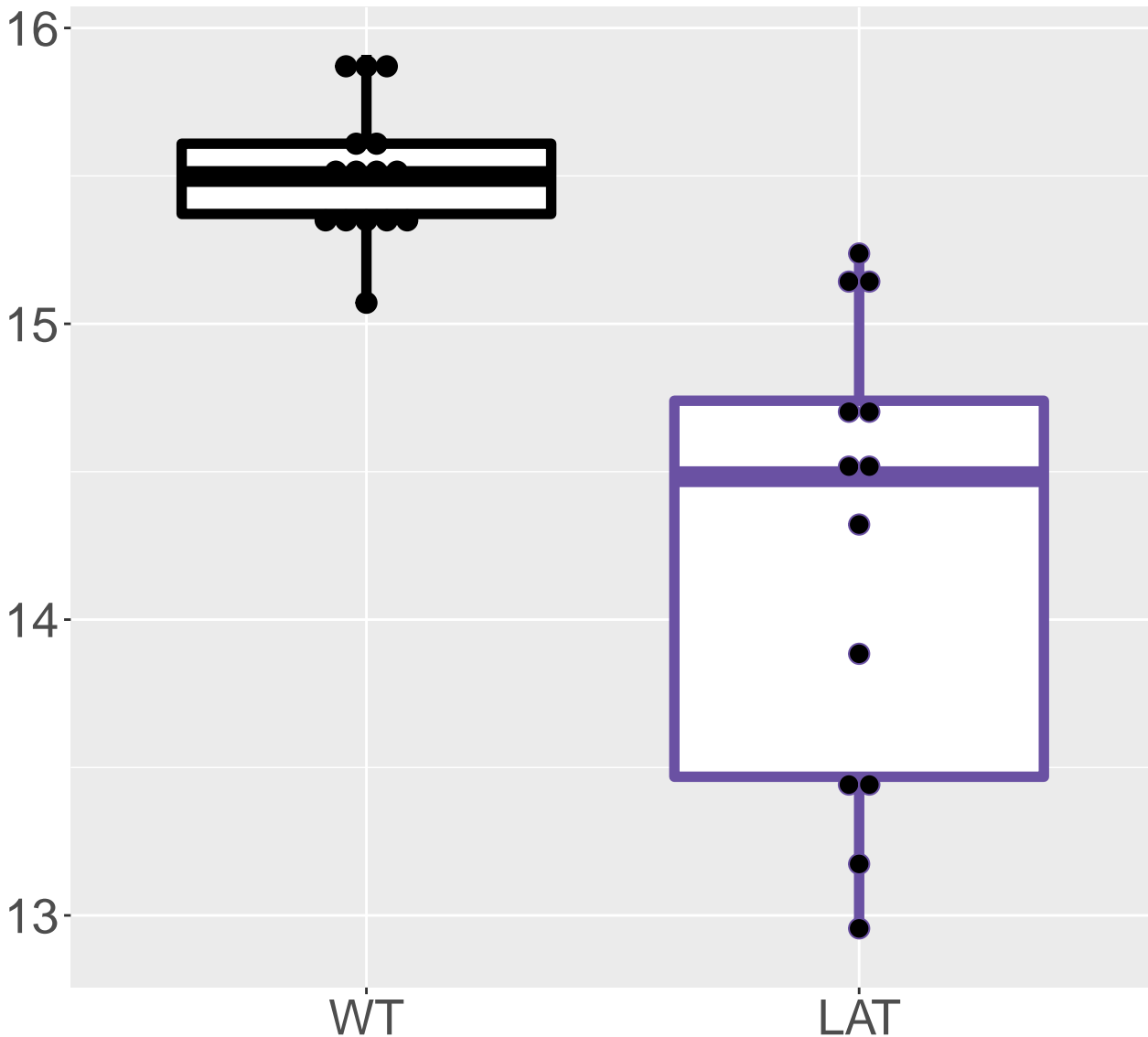
**M337.162T50.2**

**FDR = 6.1e-05, FC = -1.7**



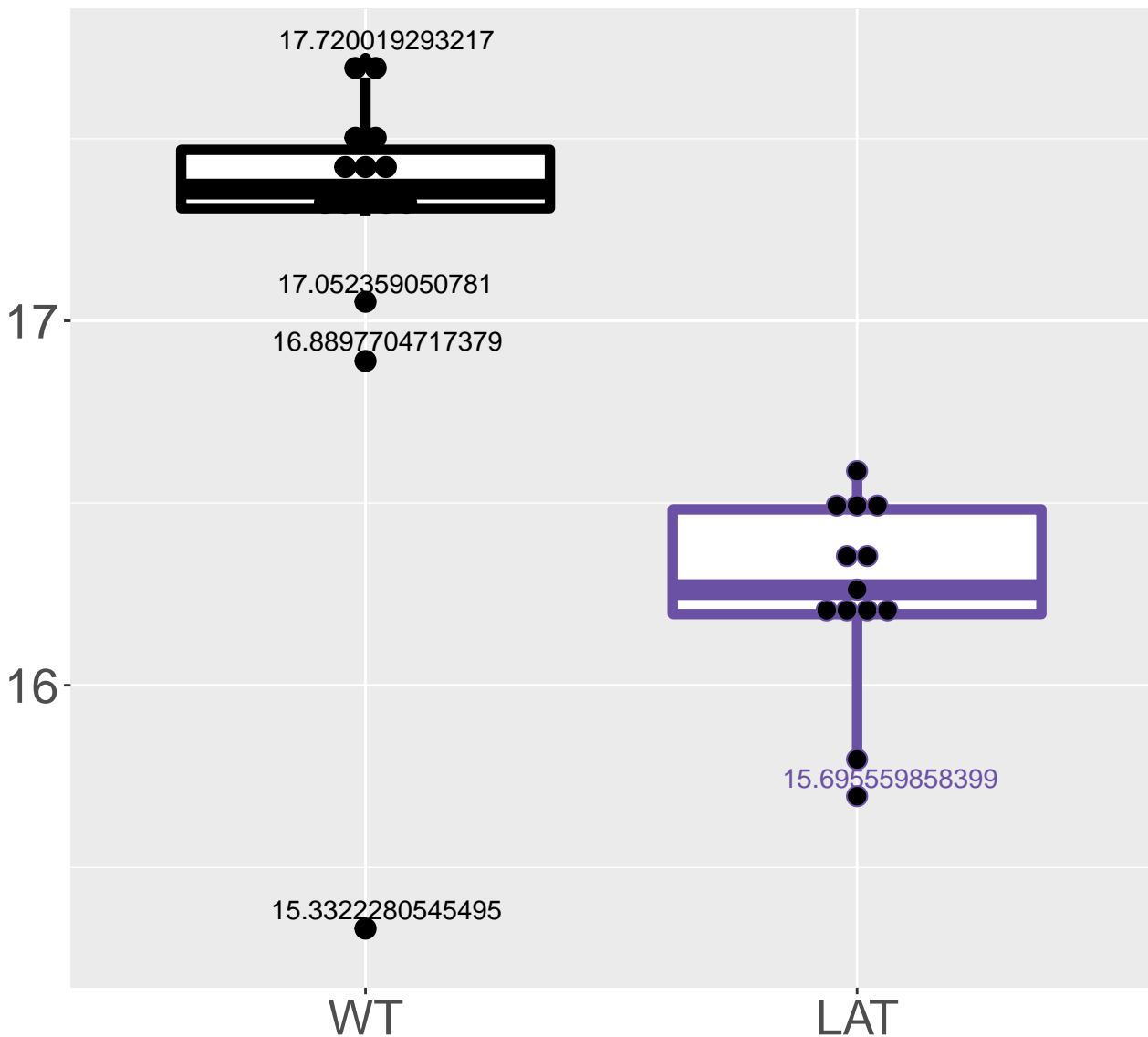
**M364.875T90.73\_1**

**FDR =  $6.1\text{e-}05$ , FC = -1.3**



**M755.2366T377.55\_6**

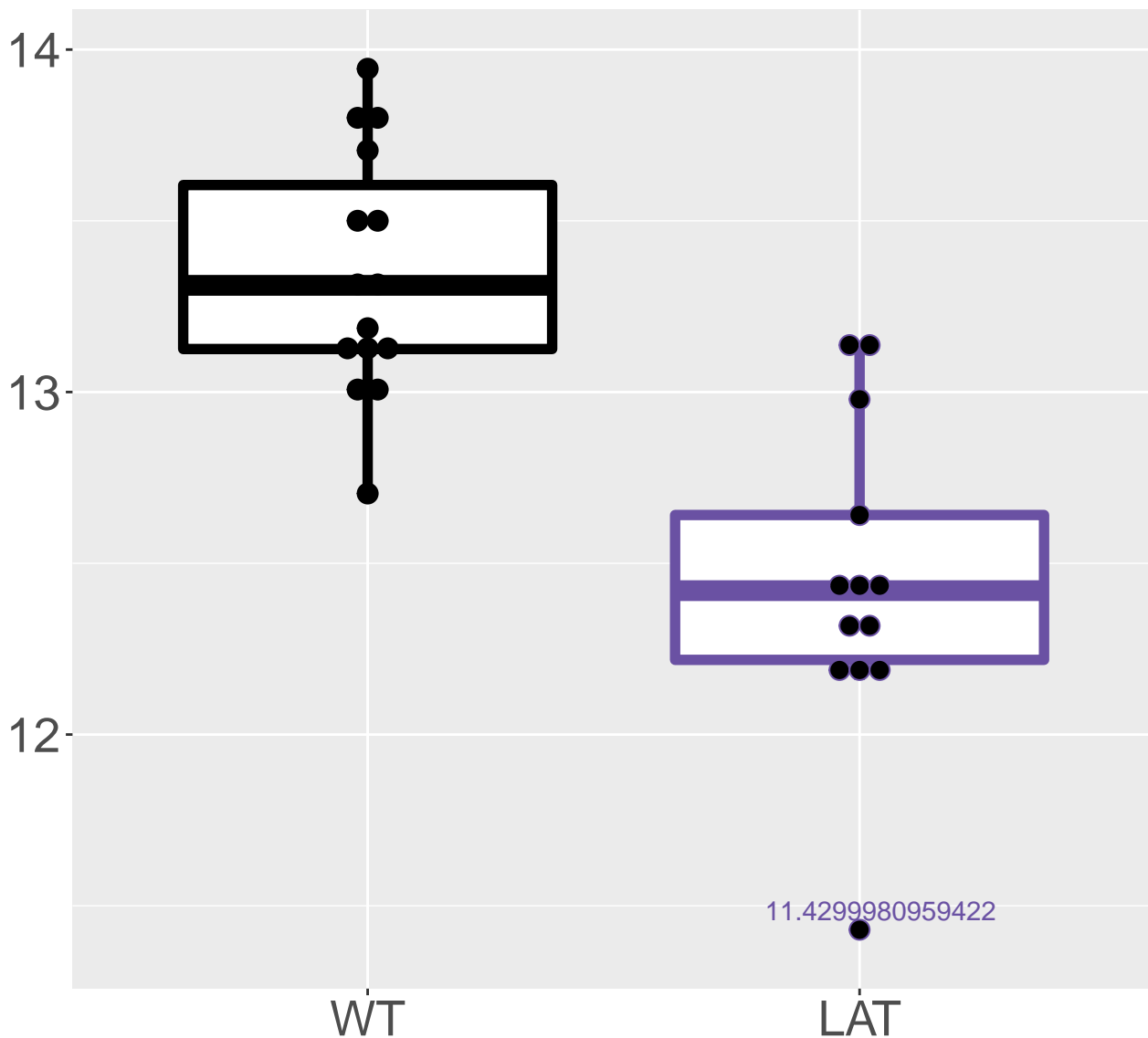
**FDR =  $6.1\text{e-}05$ , FC =  $-0.99$**



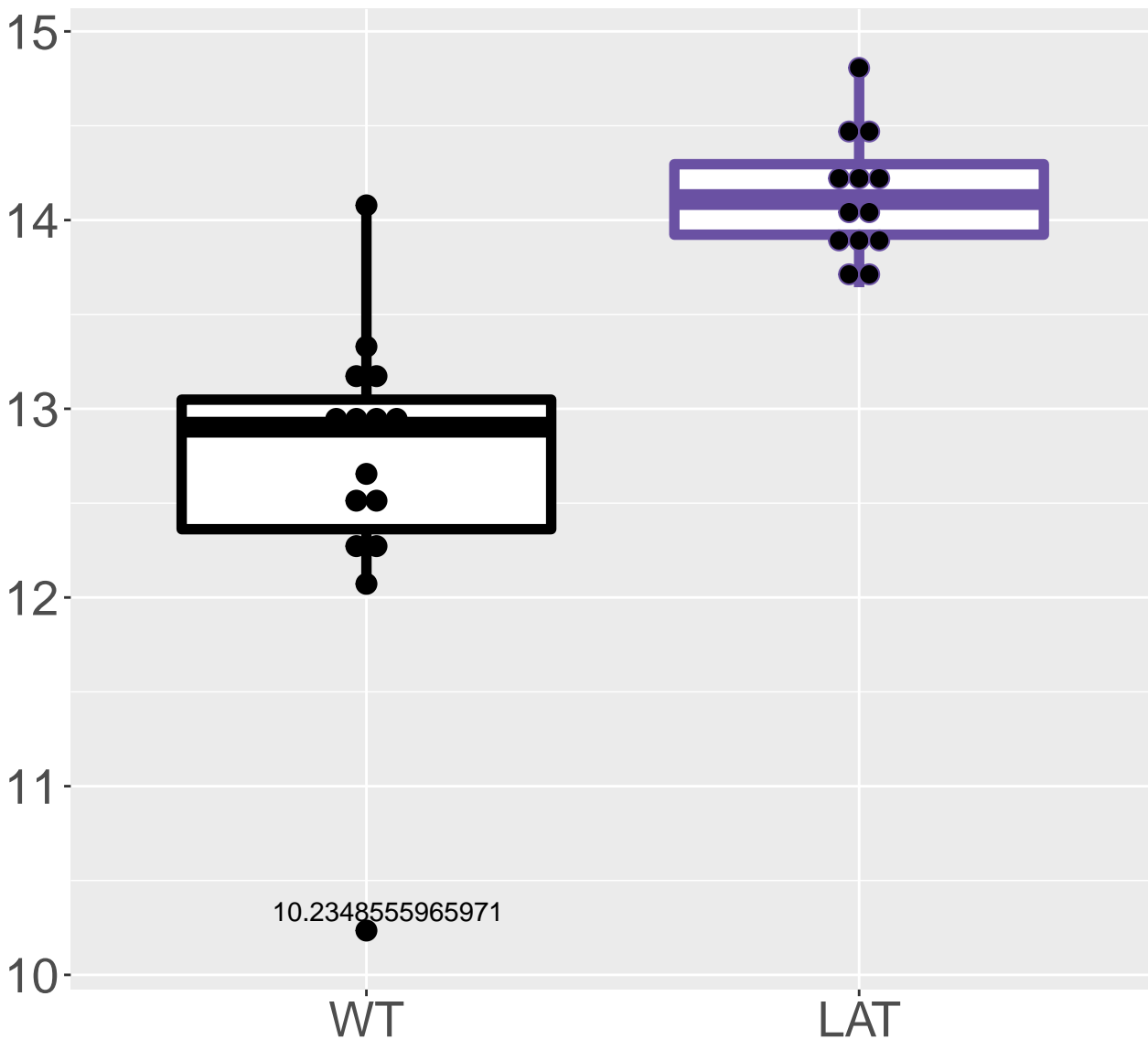


**M315.0655T141.92**

**FDR =  $6.1\text{e-}05$ , FC =  $-0.9$**

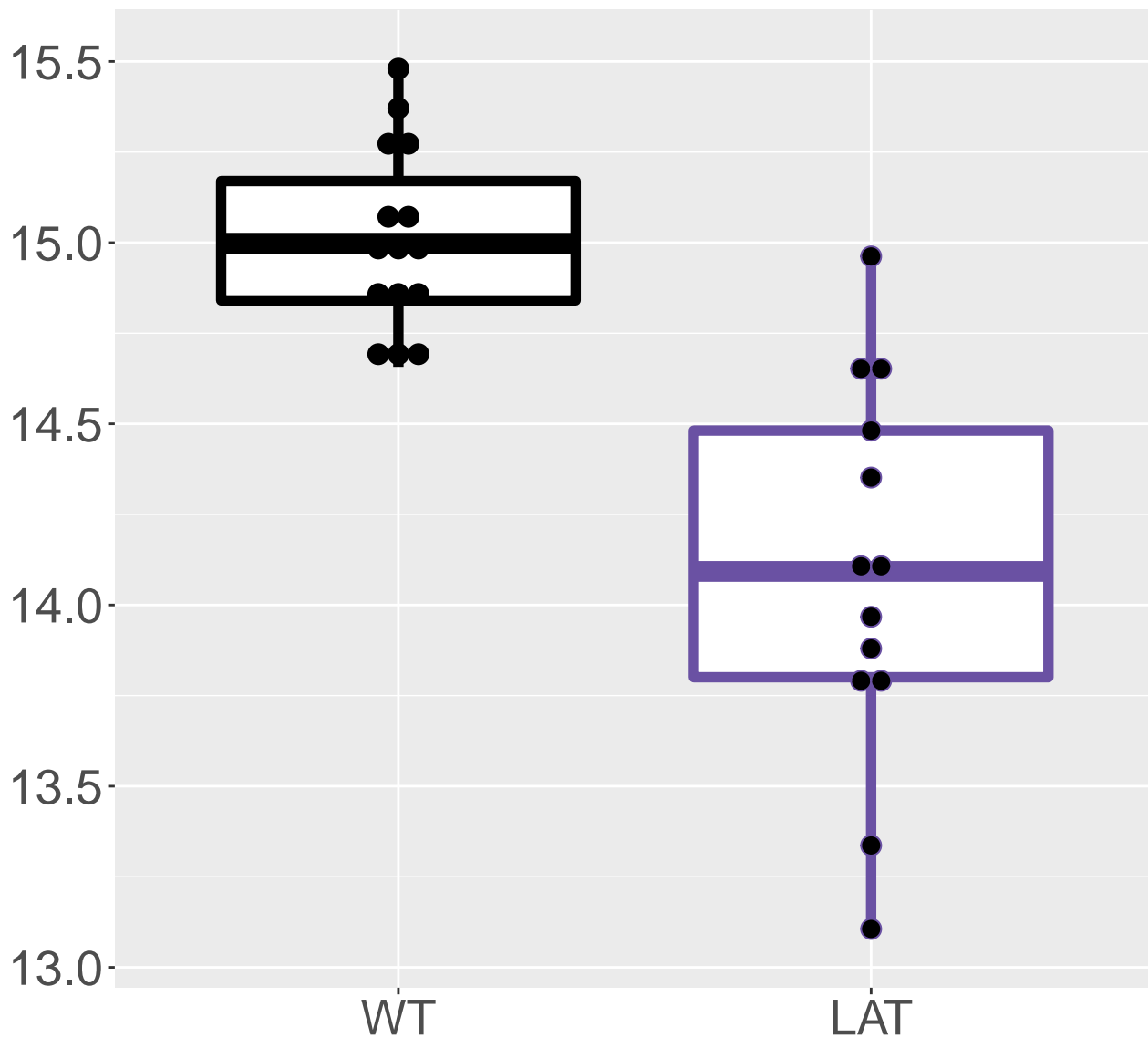


**FDR = 6.1e-05, FC = 1.5**



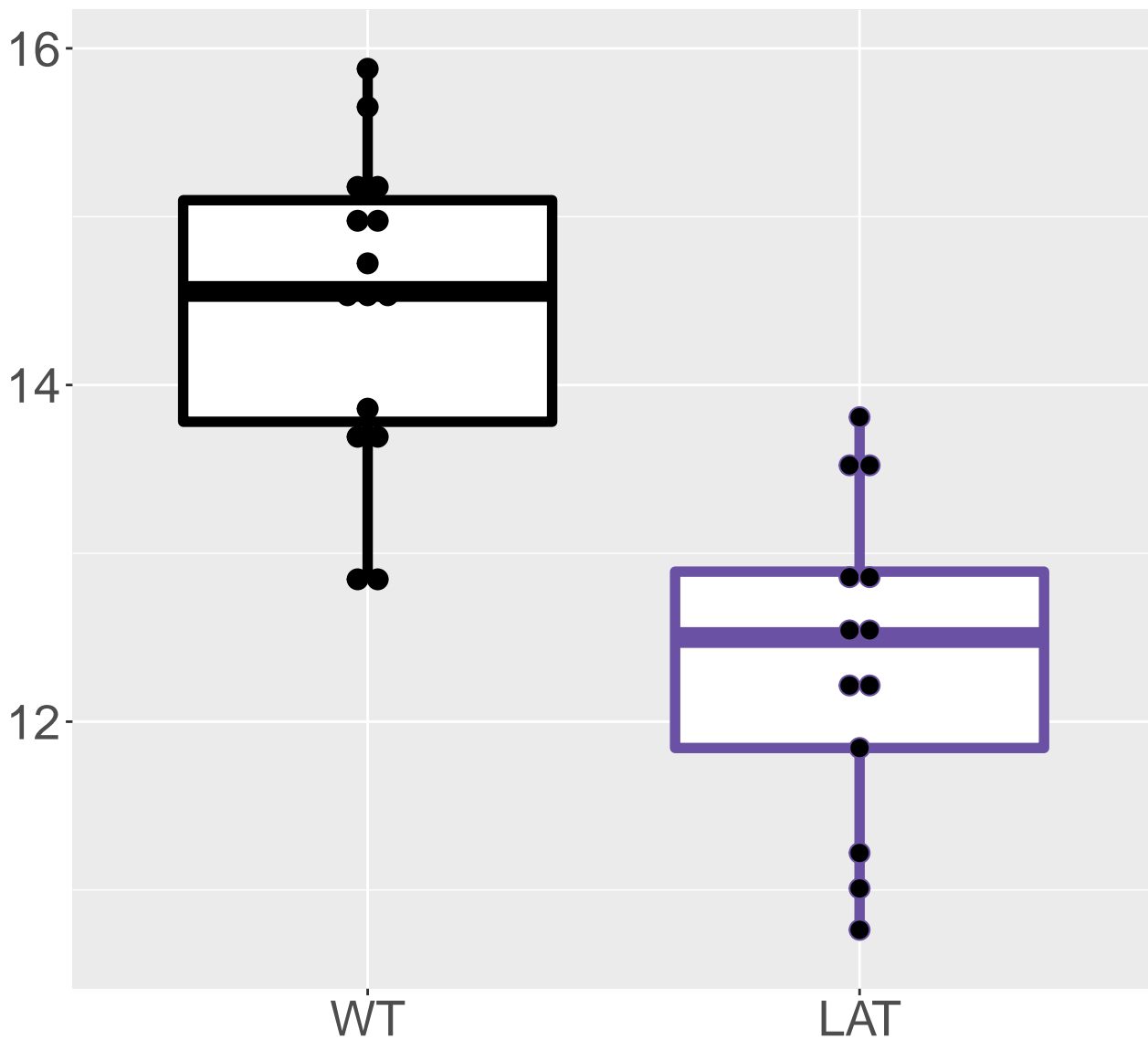
**M336.6916T263.48\_1**

**FDR =  $6.4e-05$ , FC =  $-0.92$**



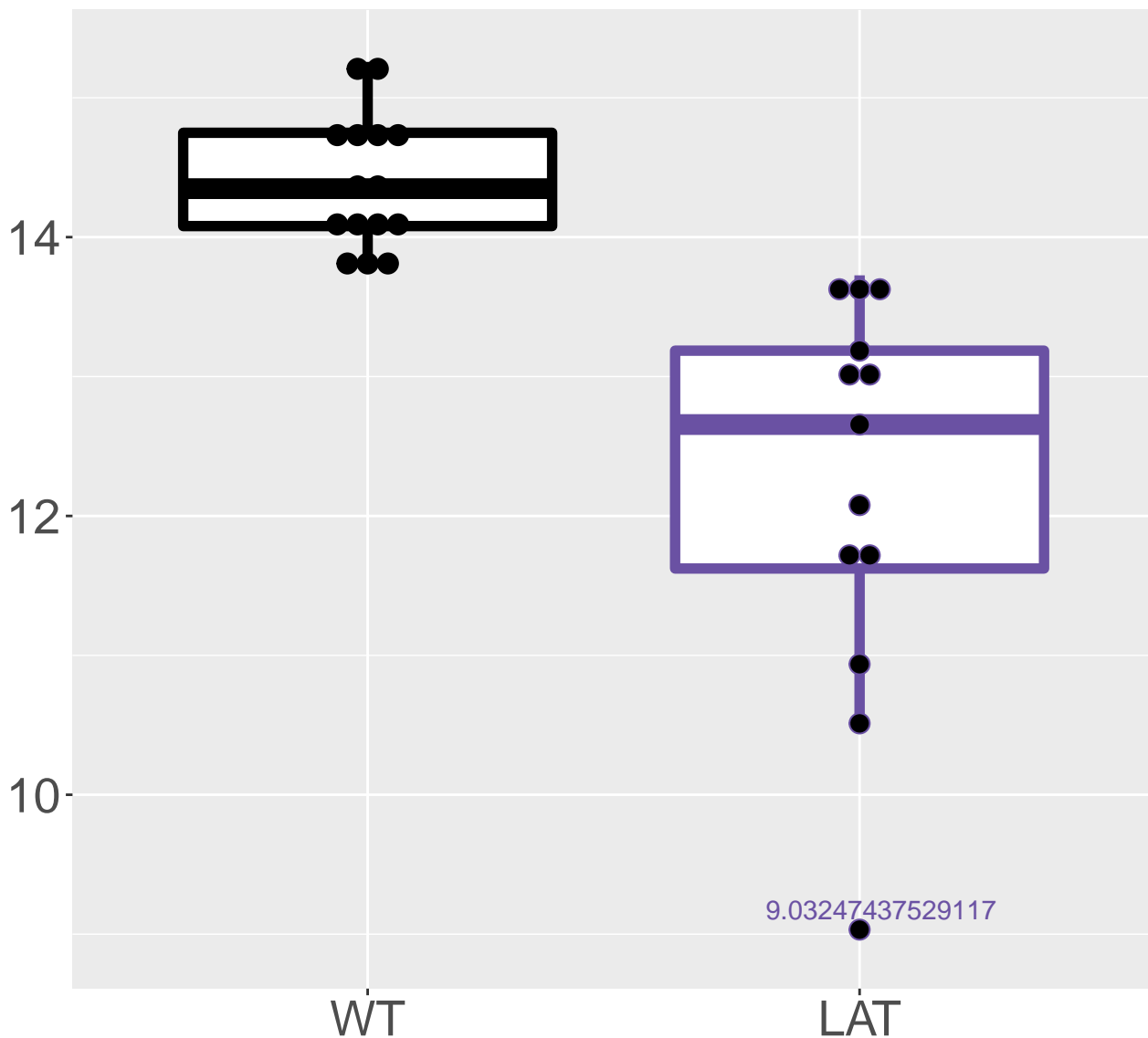
**M380.1931T266\_2**

**FDR =  $6.5e-05$ , FC = -2.1**



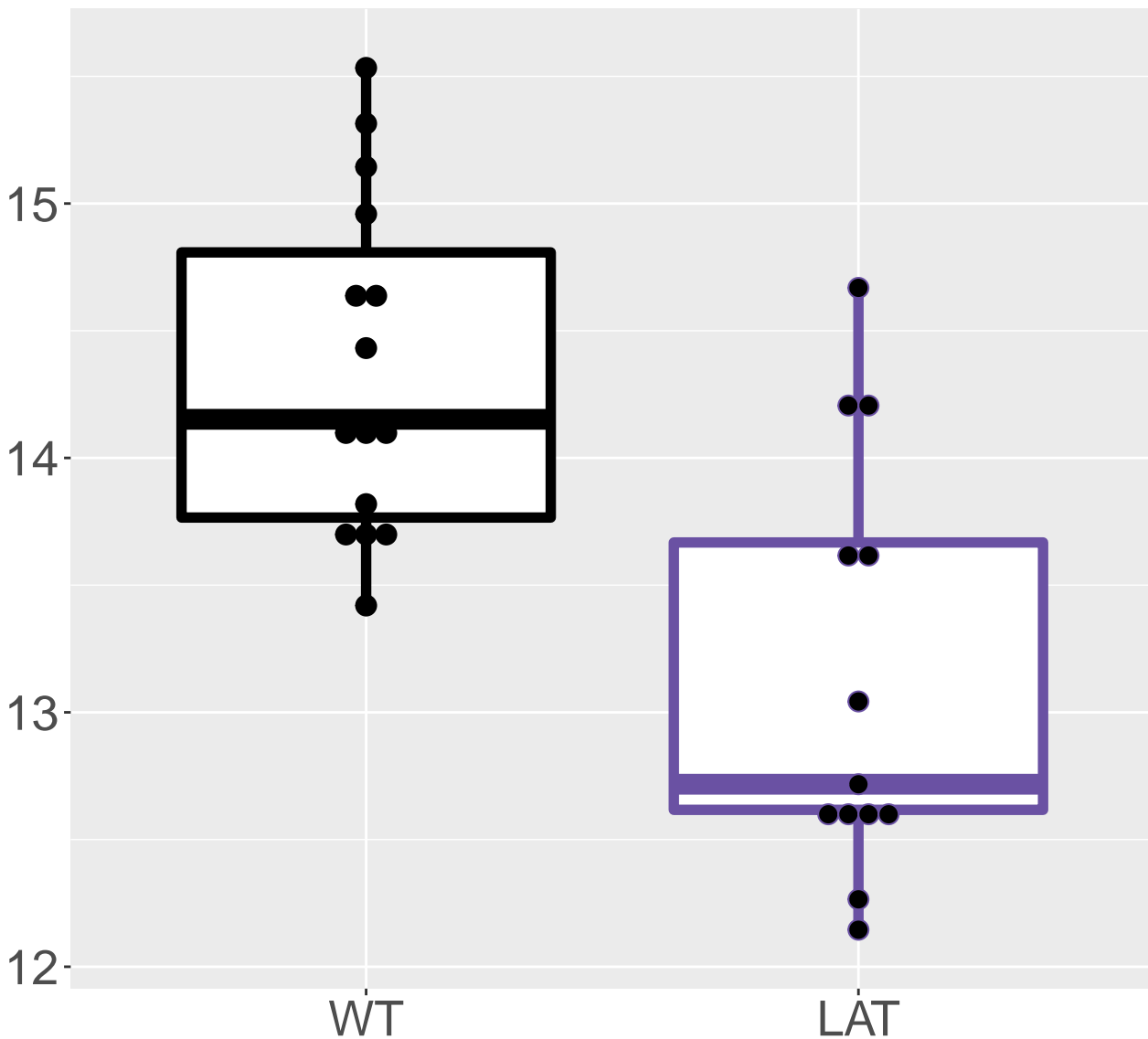
**M416.0273T313.84\_2**

**FDR =  $6.6e-05$ , FC =  $-2.2$**



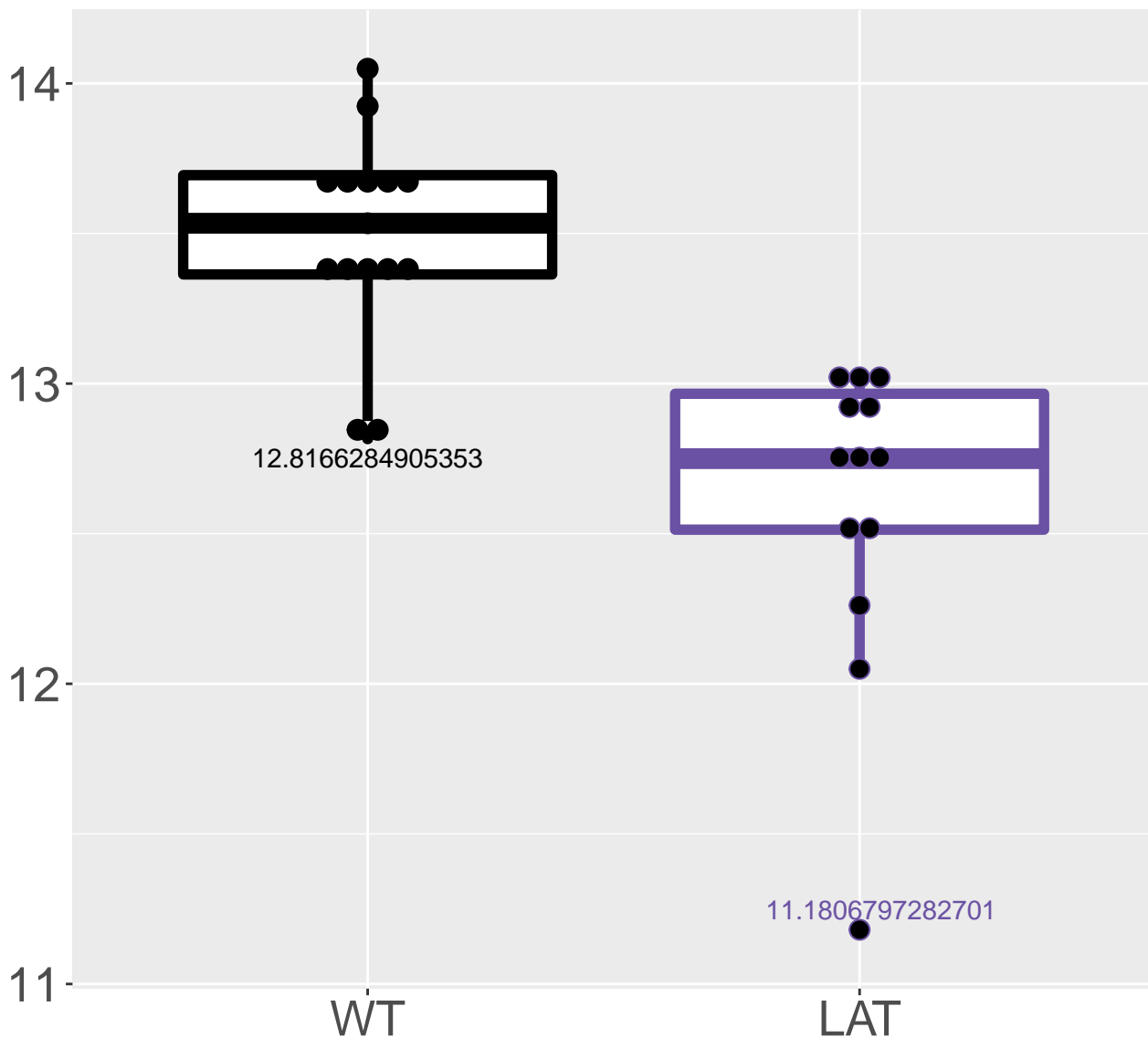
**M616.5399T313.05\_1**

**FDR = 6.6e-05, FC = -1.2, sex\*\***



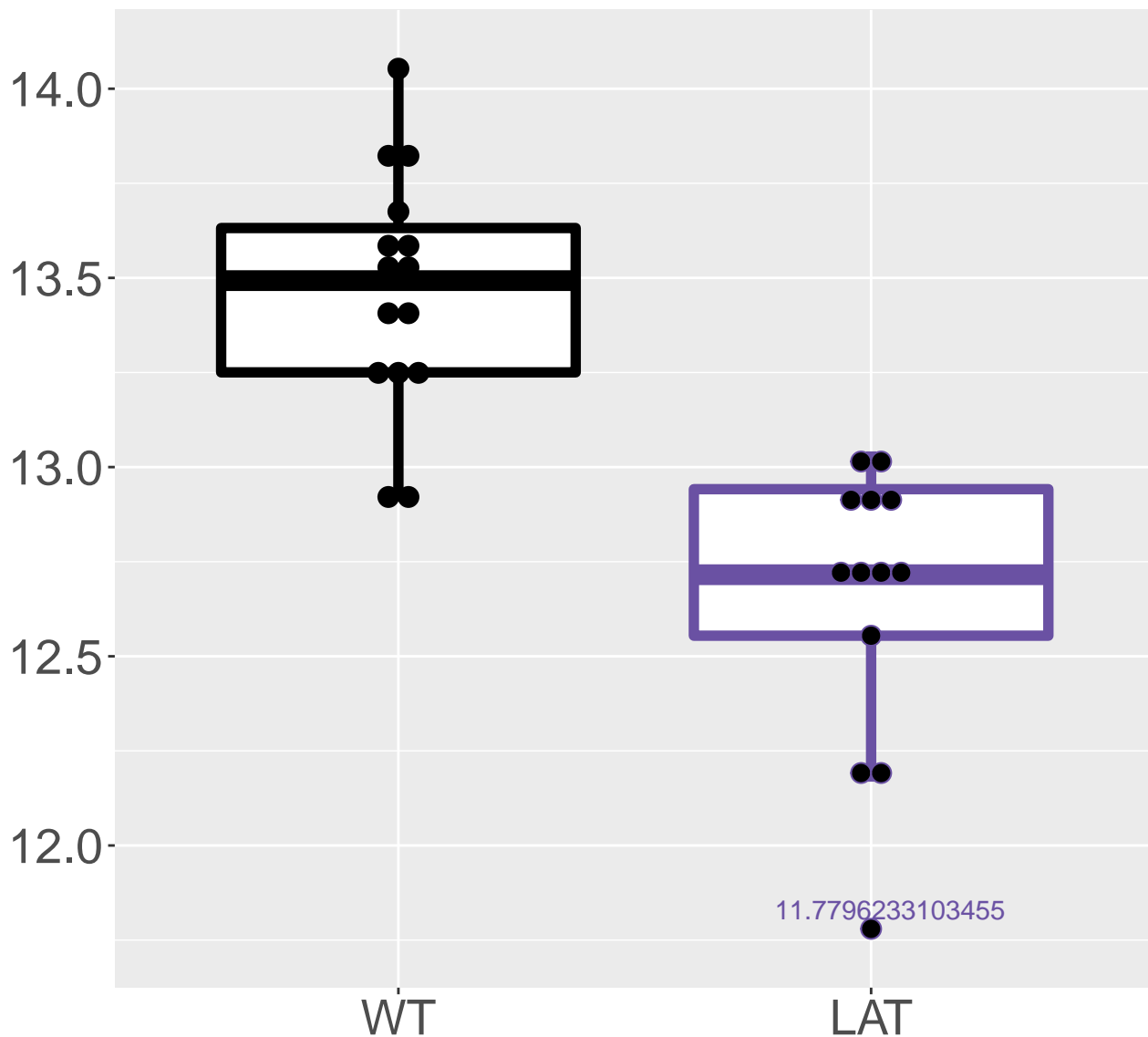
**M605.1254T309.24**

**FDR =  $6.6e-05$ , FC =  $-0.91$**



**M421.5775T247.05**

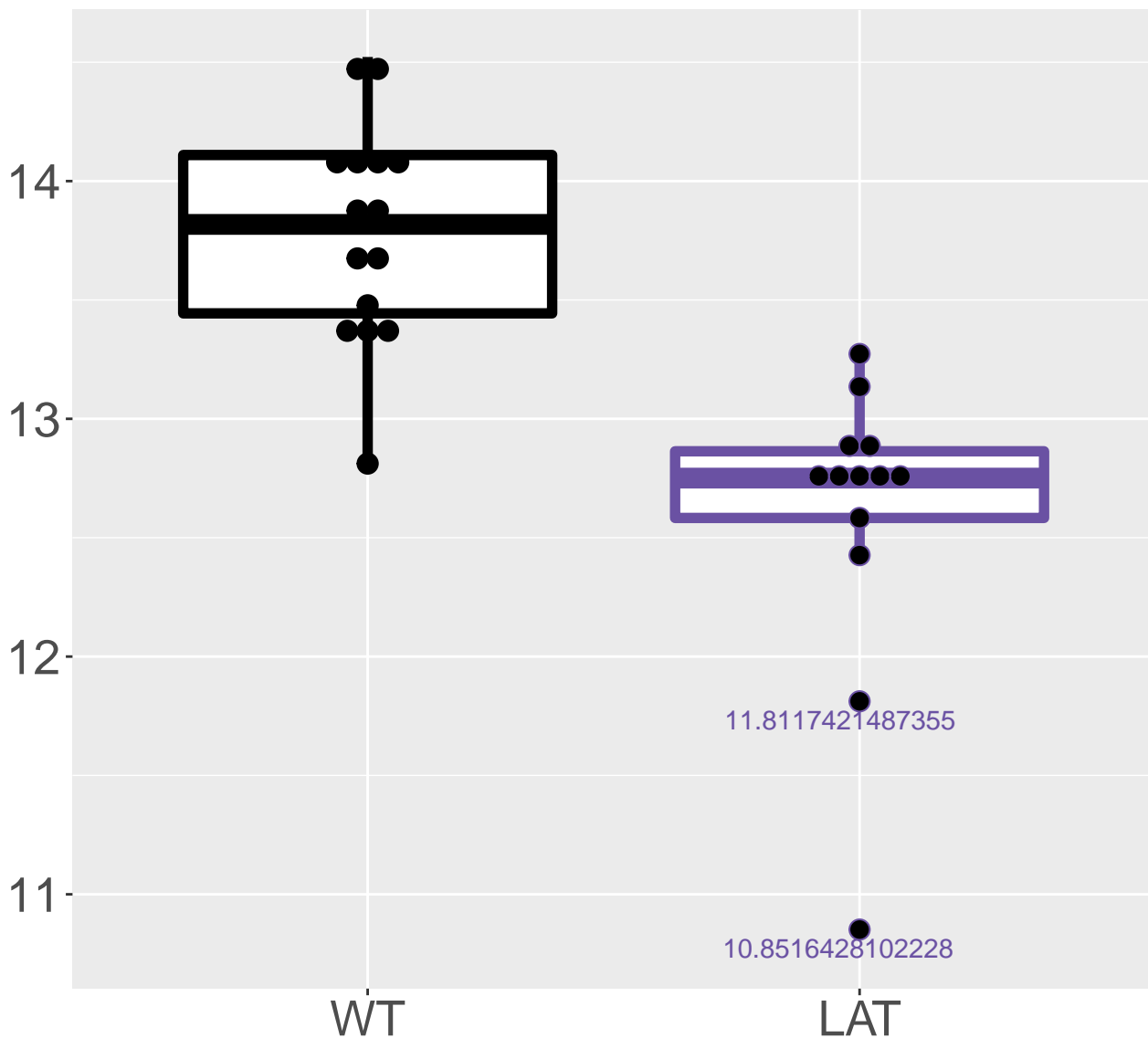
**FDR =  $6.6e-05$ , FC =  $-0.82$**





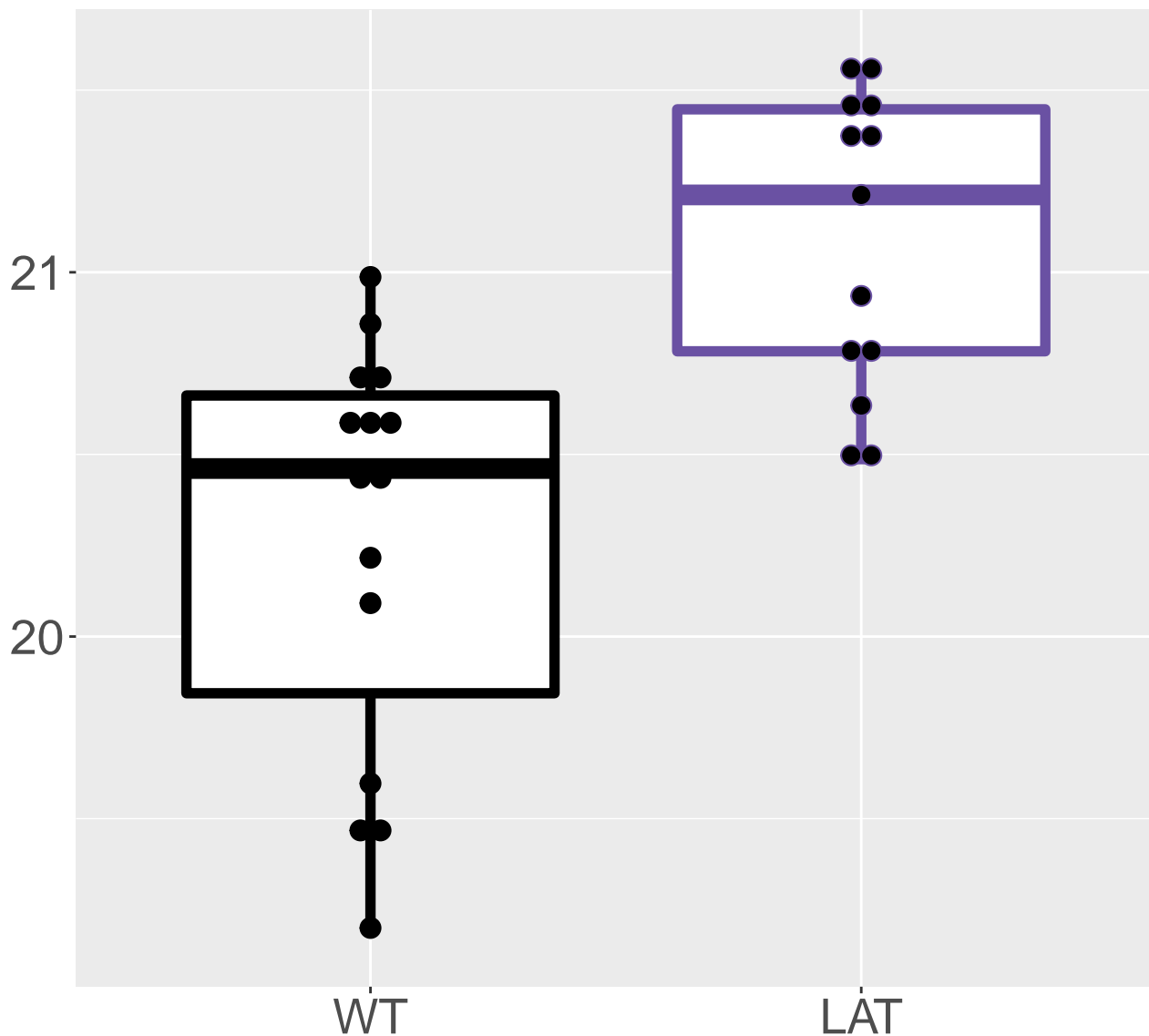
**M529.2594T290.1**

**FDR =  $6.7e-05$ , FC =  $-1.2$**

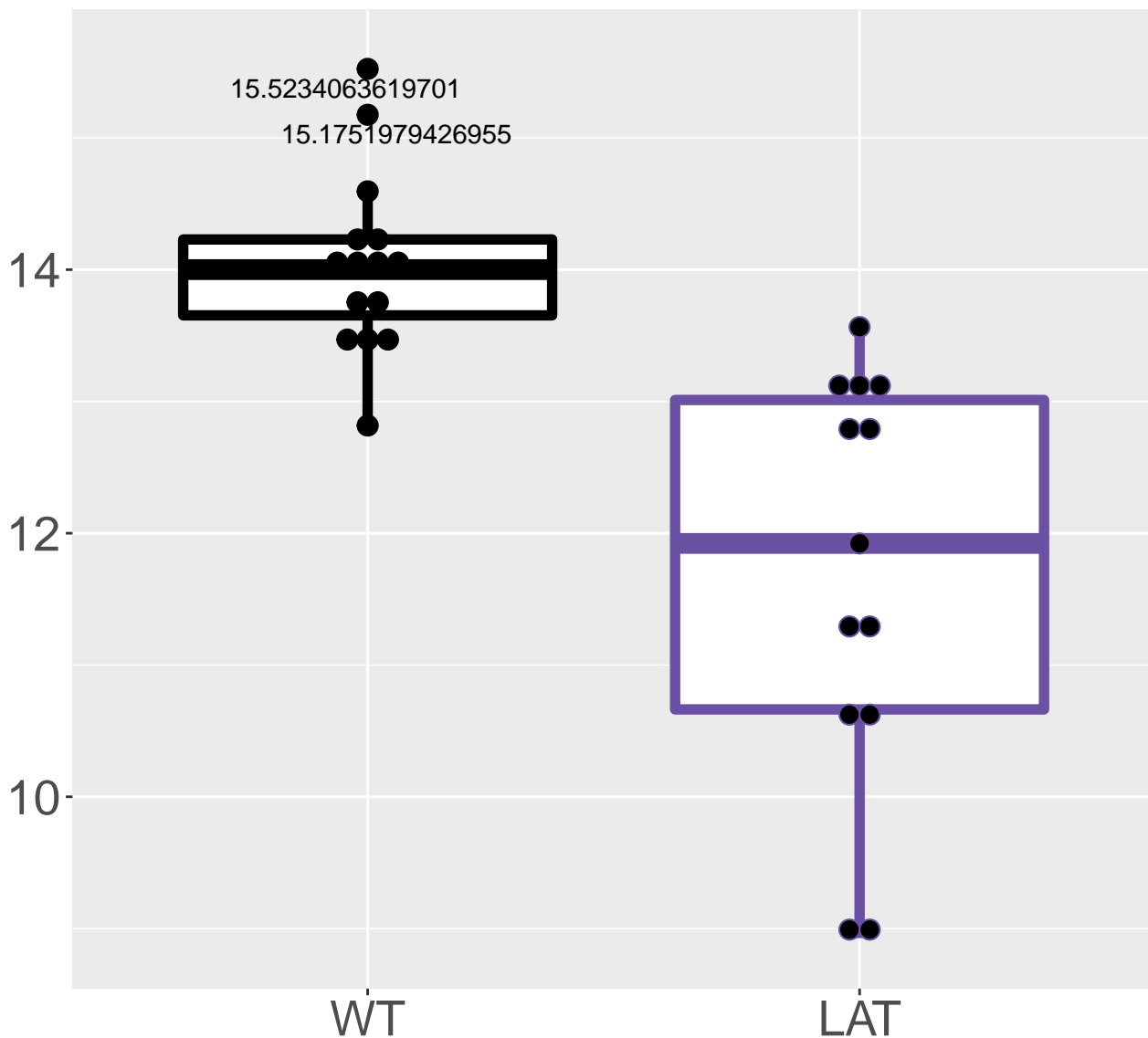


**Guanosine**

**FDR =  $6.7\text{e-}05$ , FC = 0.83, sex\*\*\***

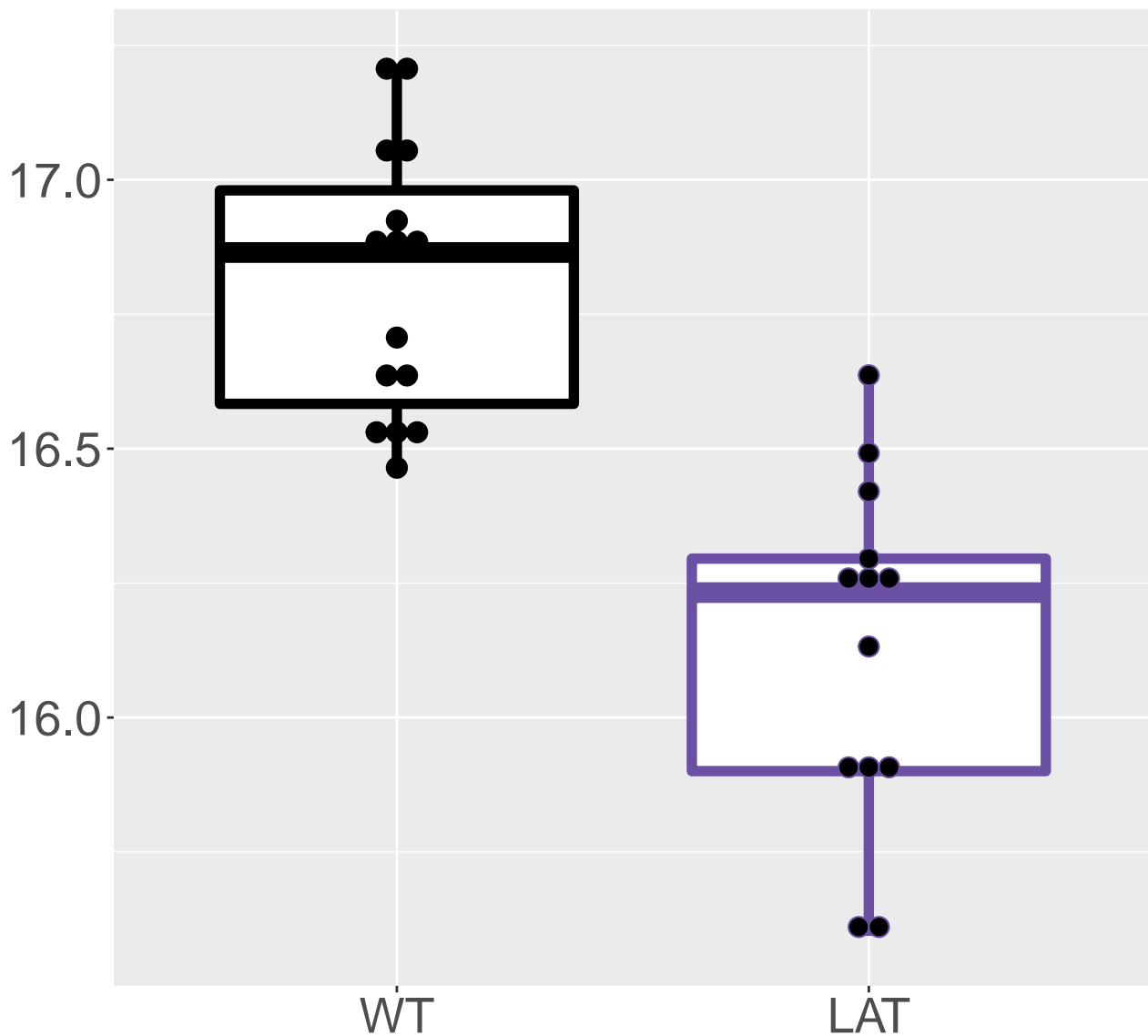


**M521.6977T289.92\_1**  
**FDR =  $6.8e-05$ , FC =  $-2.3$**



**M189.1354T46.22**

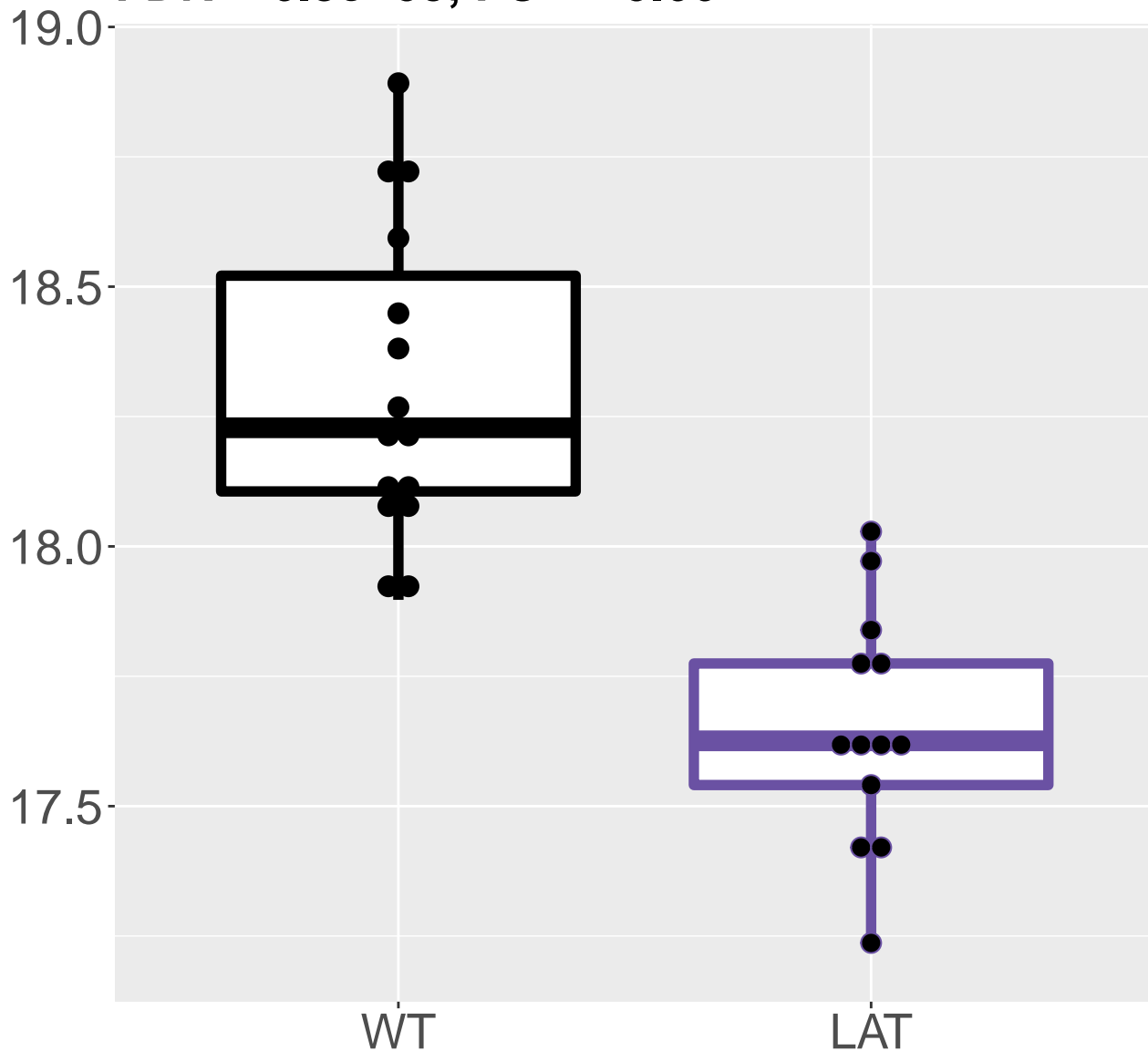
**FDR =  $6.8e-05$ , FC =  $-0.68$**



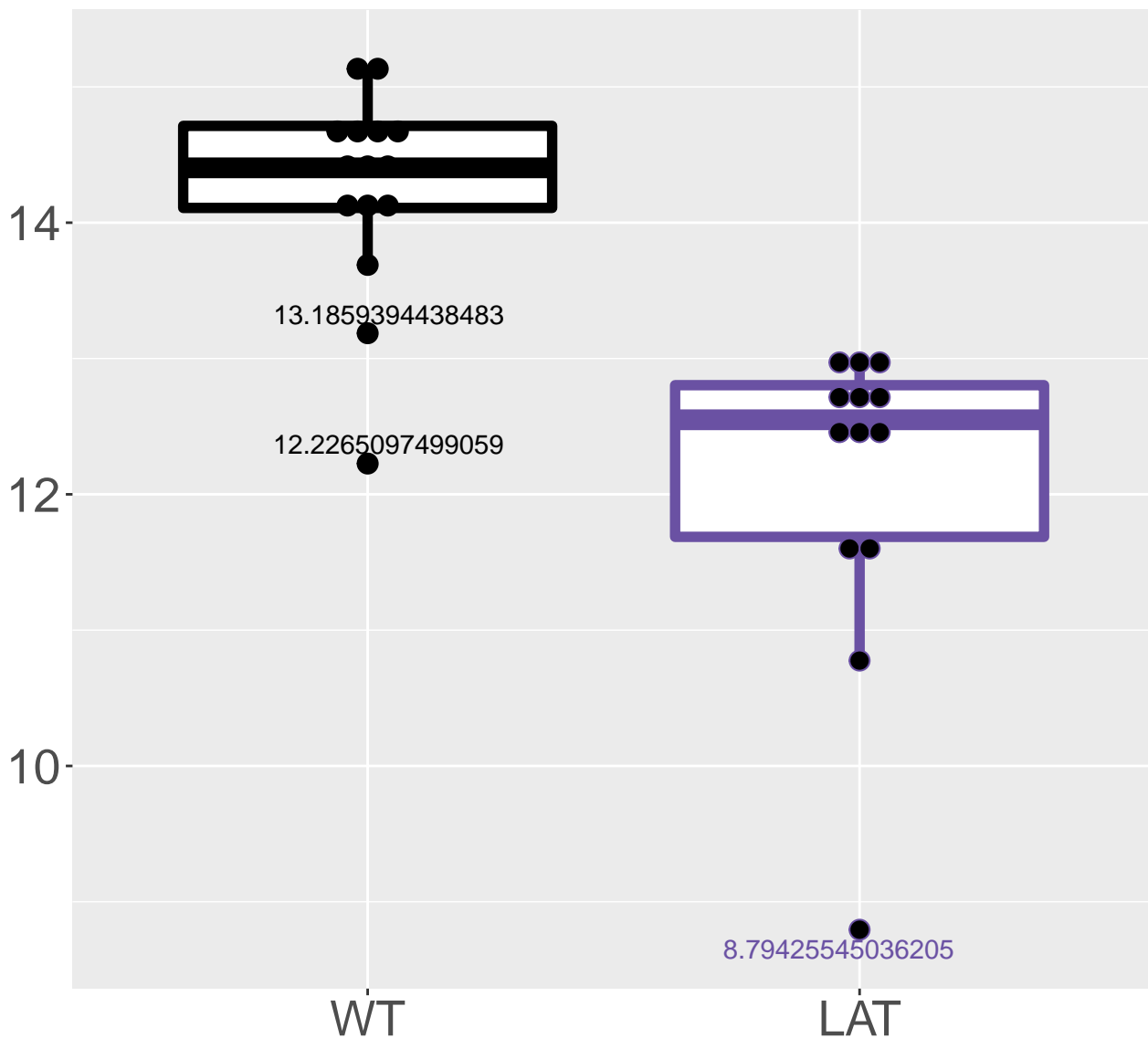


**M155.0798T43.68**

**FDR =  $6.8e-05$ , FC =  $-0.66$**

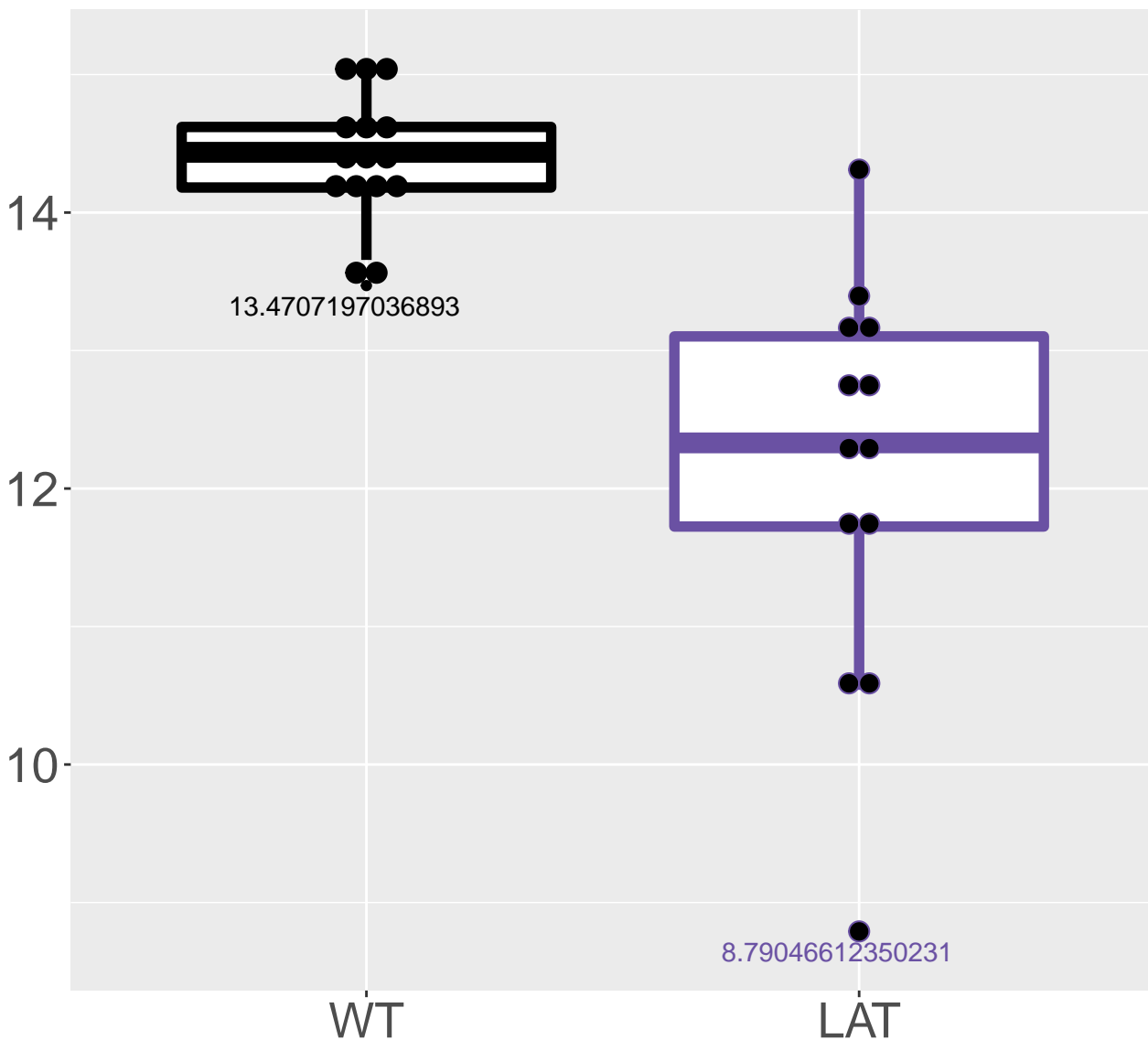


**M523.6933T338.96\_1**  
**FDR = 6.9e-05, FC = -2.2**



**M224.4792T101**

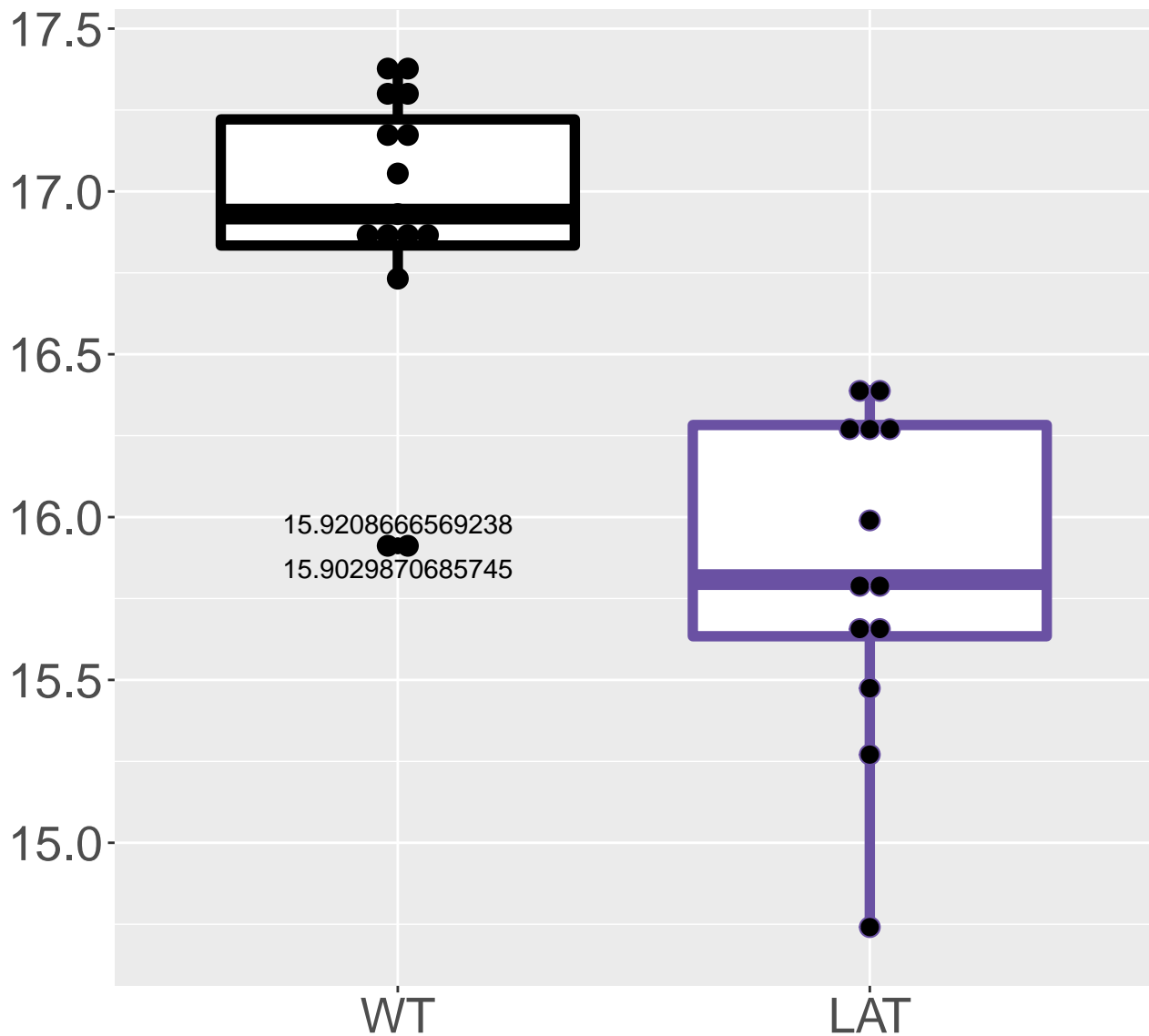
**FDR =  $7.1\text{e-}05$ , FC = -2.3**





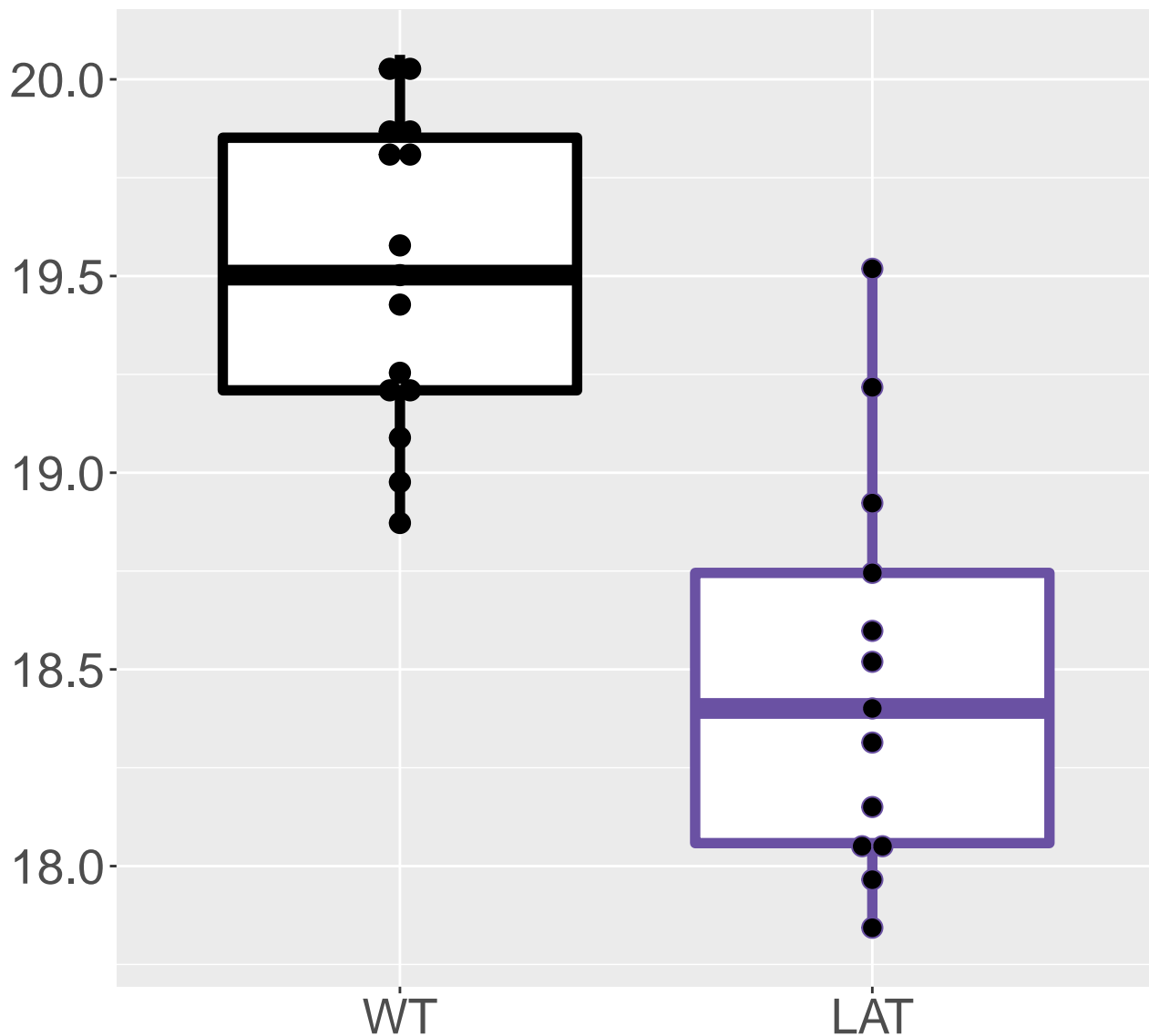
**M128.9234T75.44\_23**

**FDR =  $7.2e-05$ , FC =  $-1.1$**



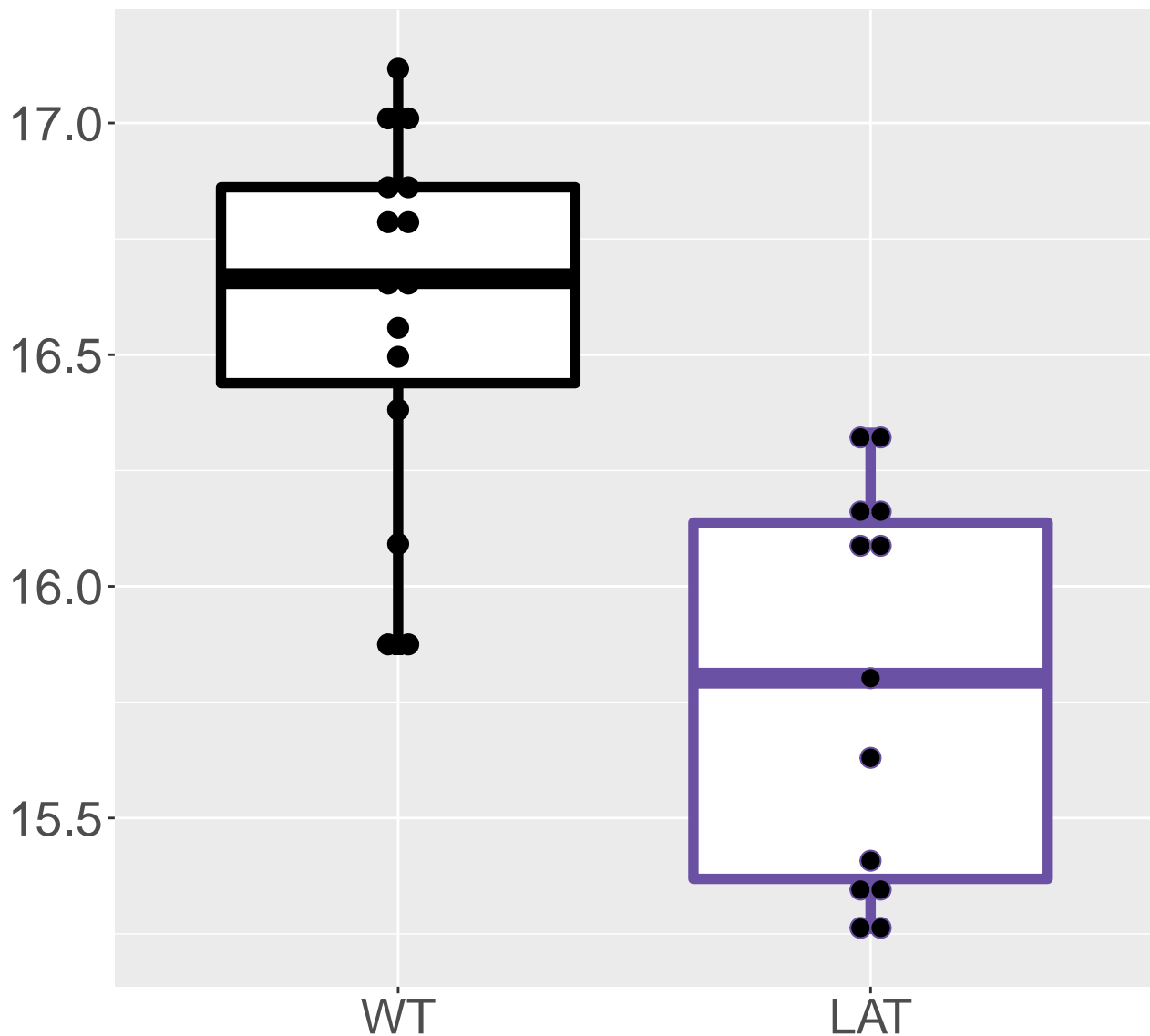
**M812.2639T56.14**

**FDR =  $7.2e-05$ , FC =  $-1$**

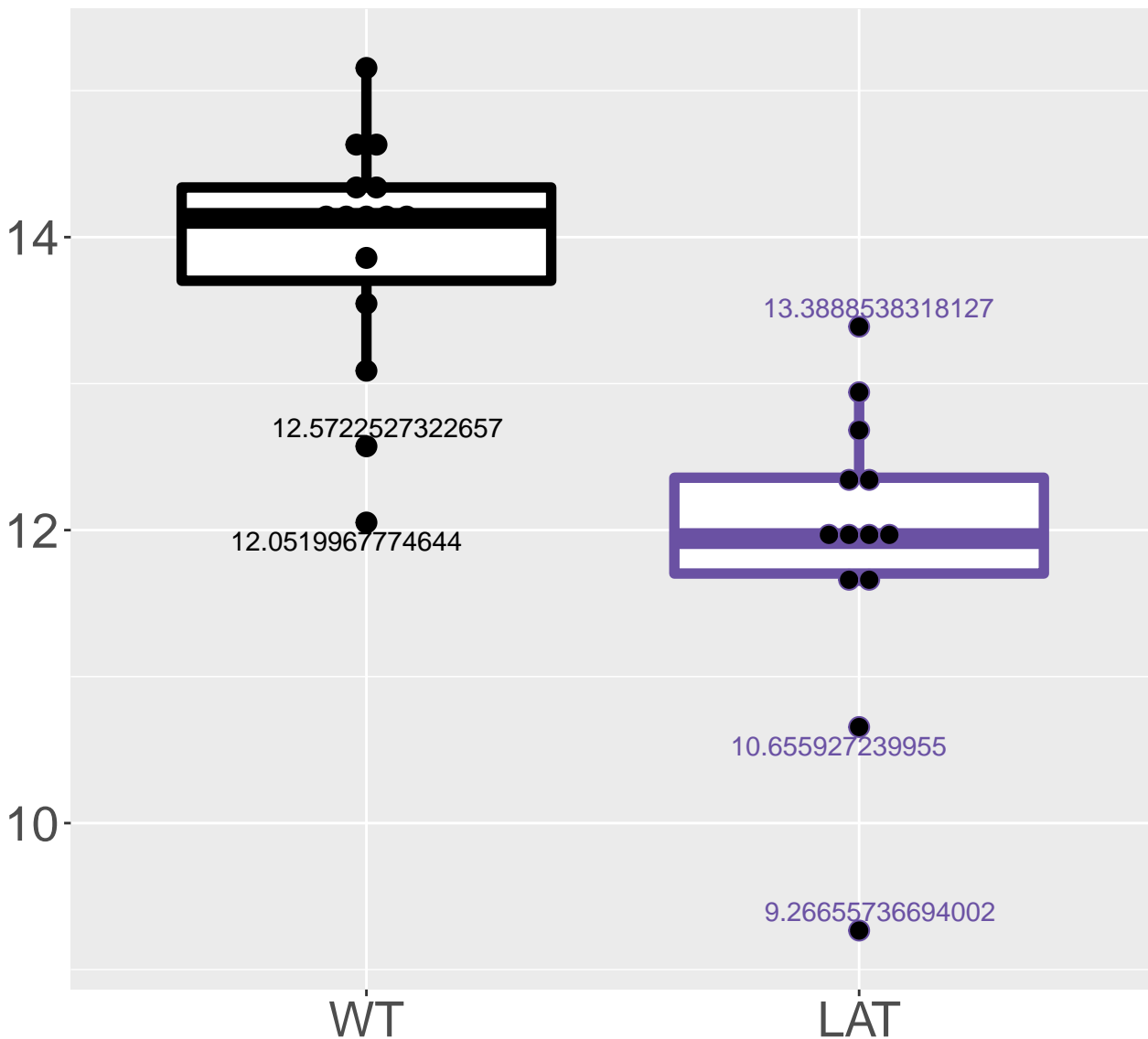


**M127.2779T75.45\_24**

**FDR =  $7.2e-05$ , FC =  $-0.82$**

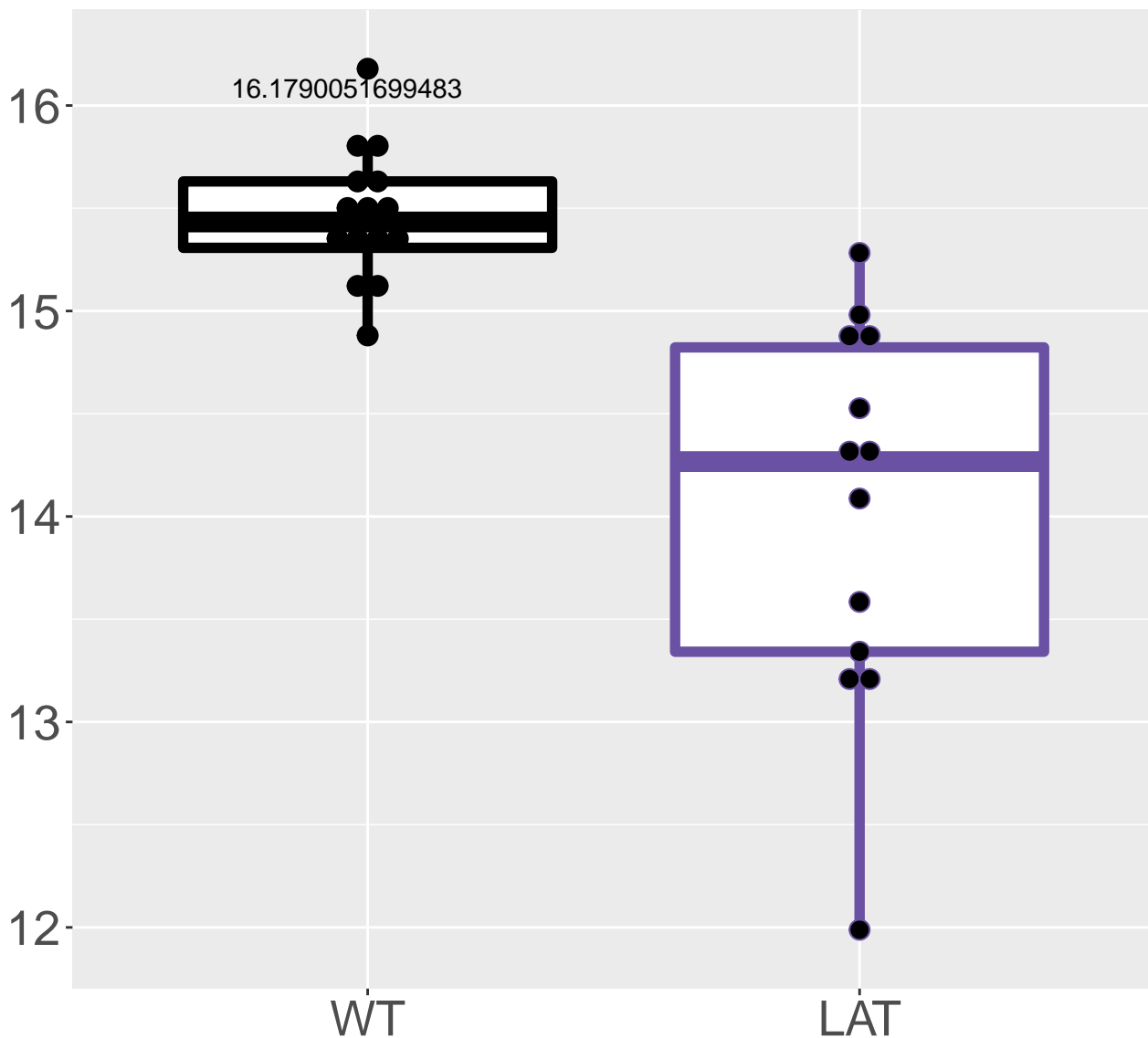


**M201.6402T93.24**  
**FDR =  $7.4e-05$ , FC = -2**



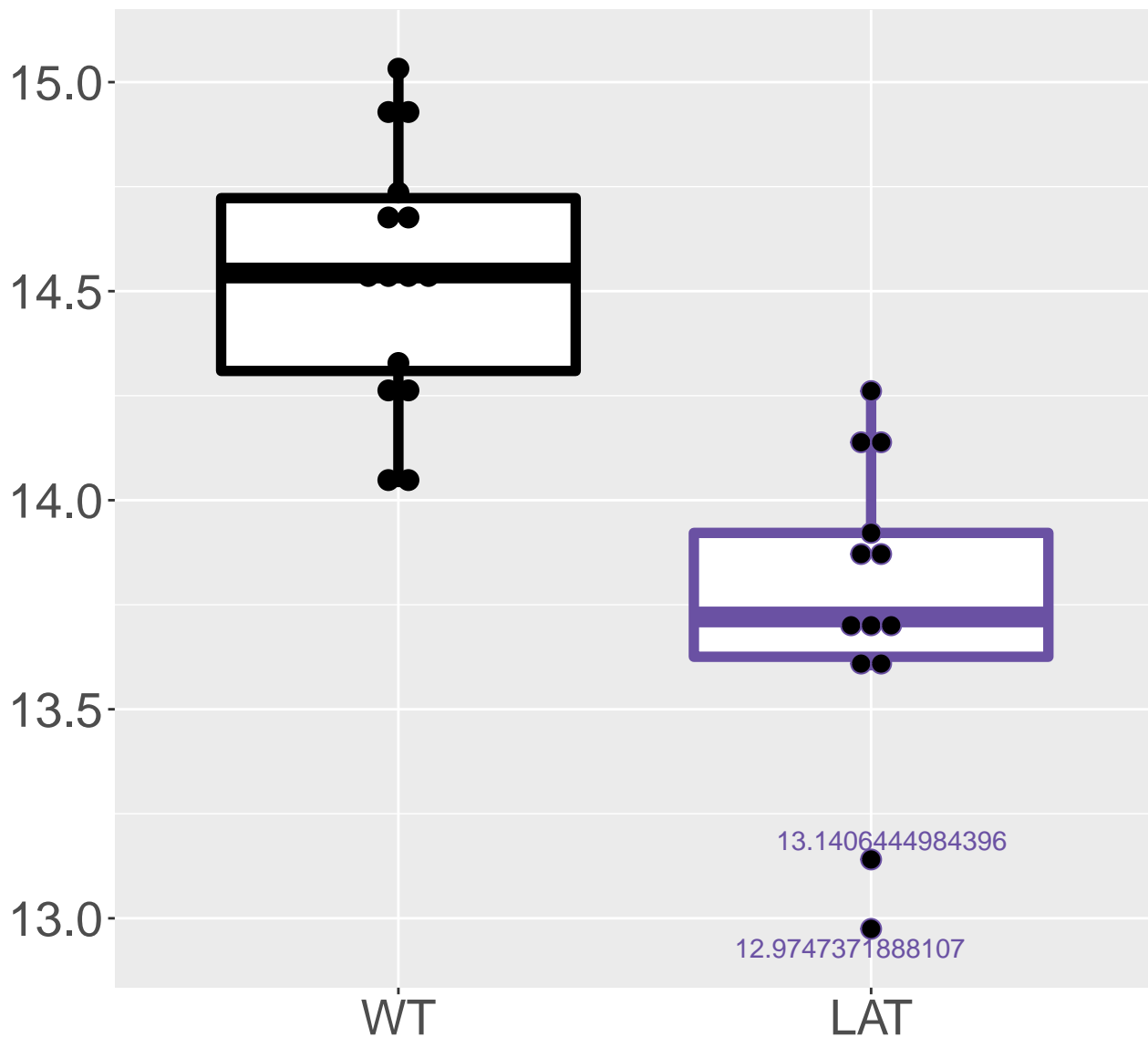
**M747.2733T52.45**

**FDR =  $7.4e-05$ , FC =  $-1.4$**



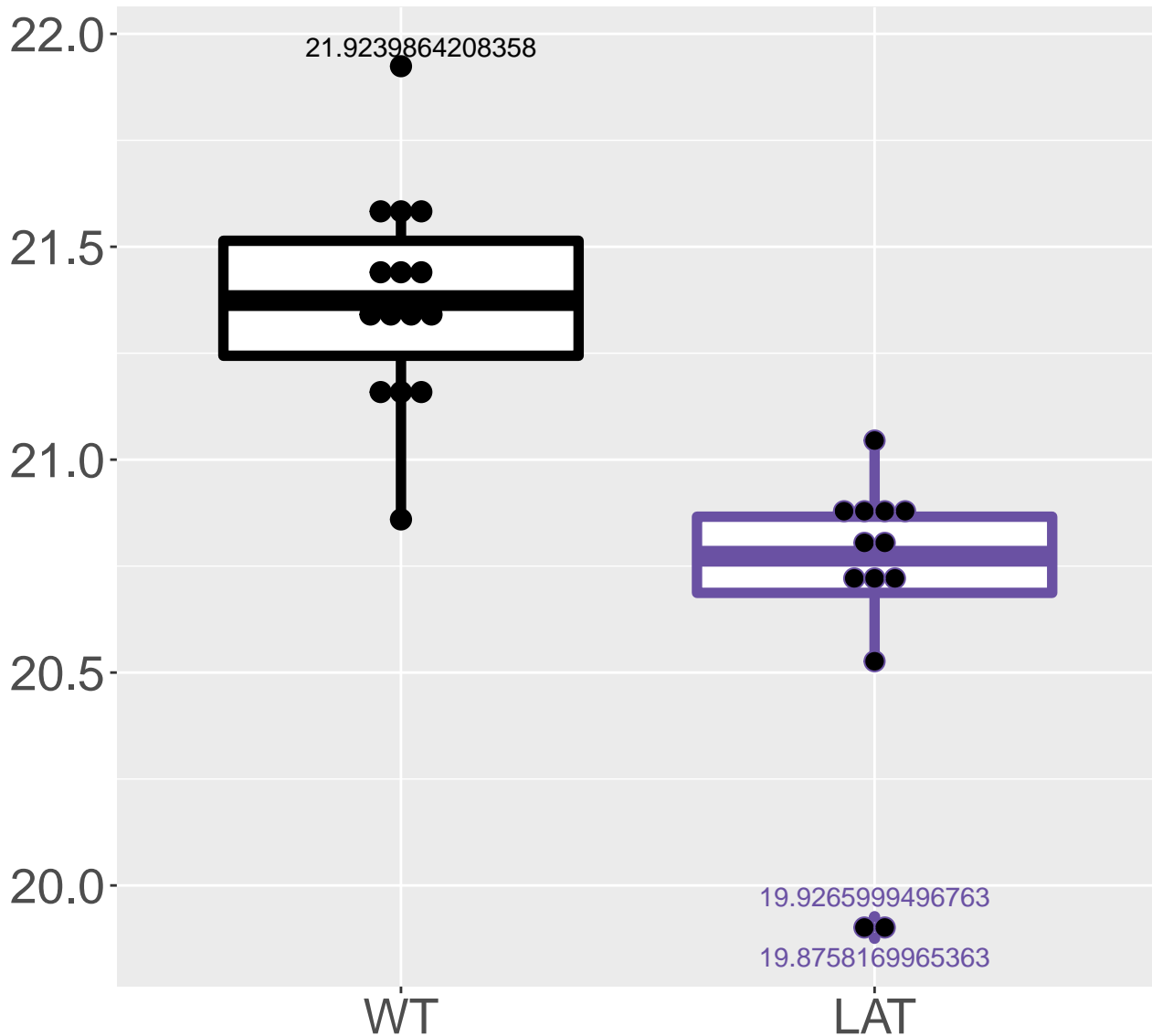
**M551.1051T92.26**

**FDR =  $7.4e-05$ , FC =  $-0.79$**



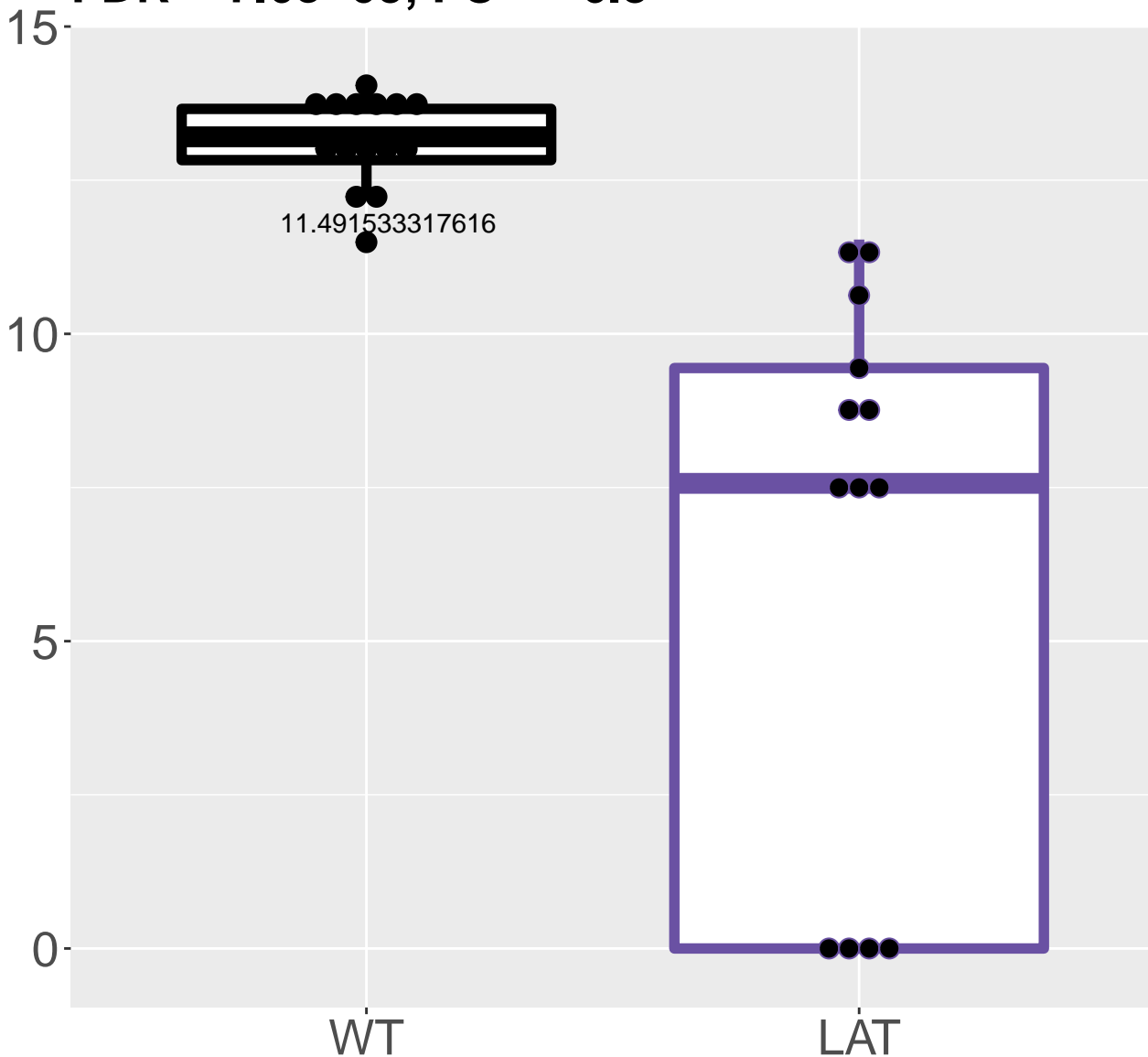
**M331.1656T113.07**

**FDR =  $7.4e-05$ , FC =  $-0.72$**



**M386.6848T93.98**

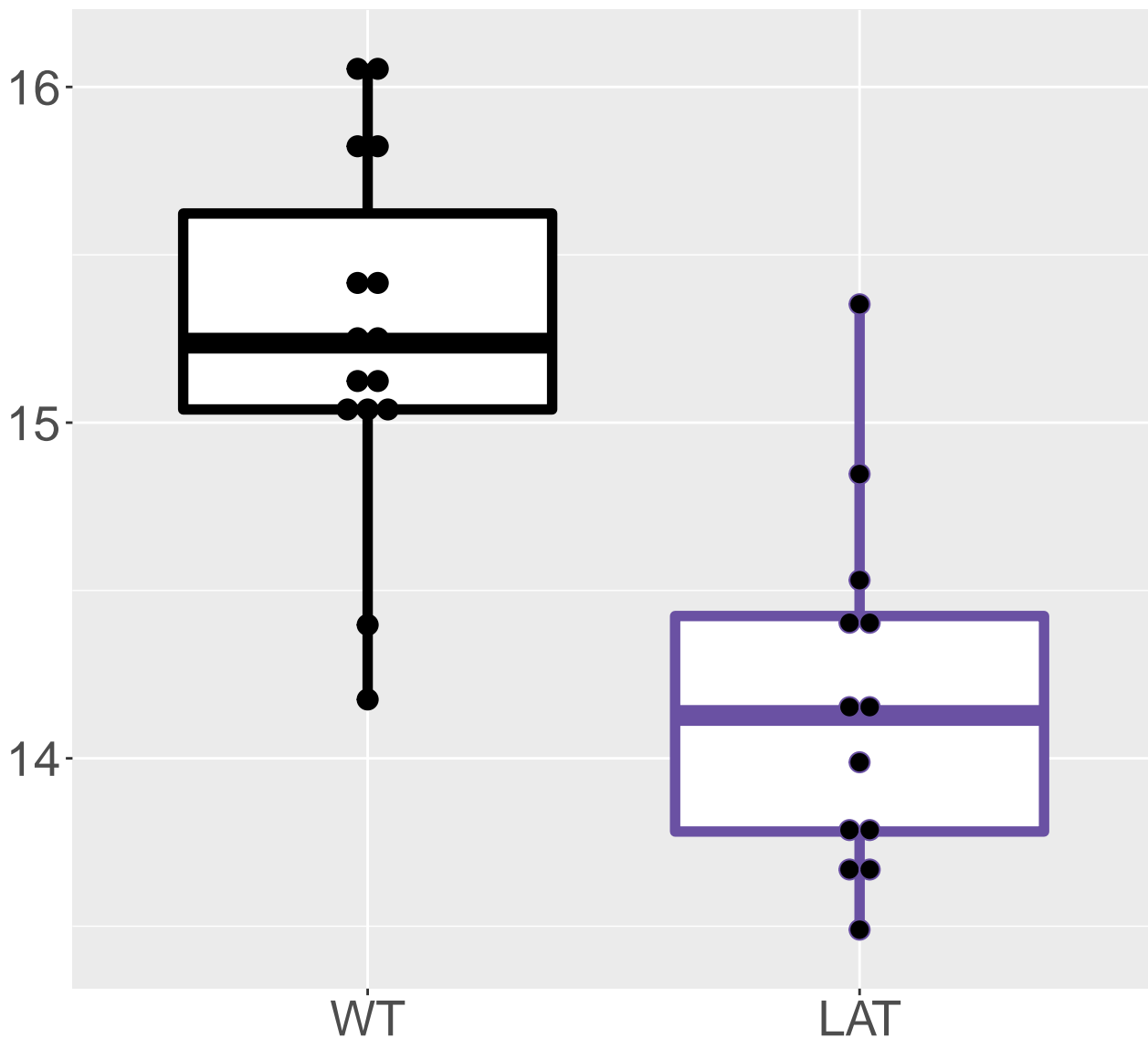
**FDR =  $7.6e-05$ , FC =  $-6.8$**





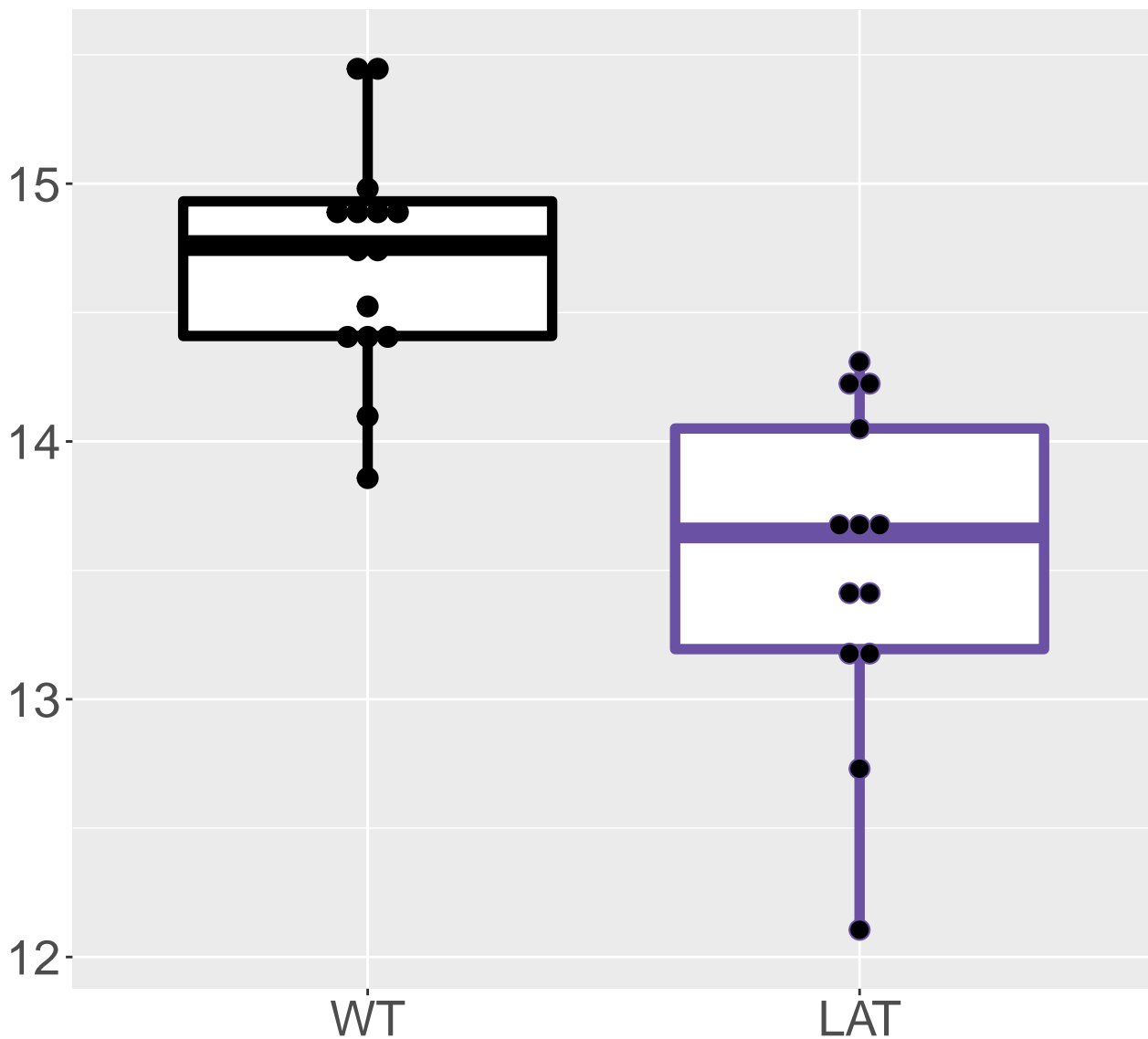
**M755.5103T377.87**

**FDR =  $7.6e-05$ , FC =  $-1.1$**



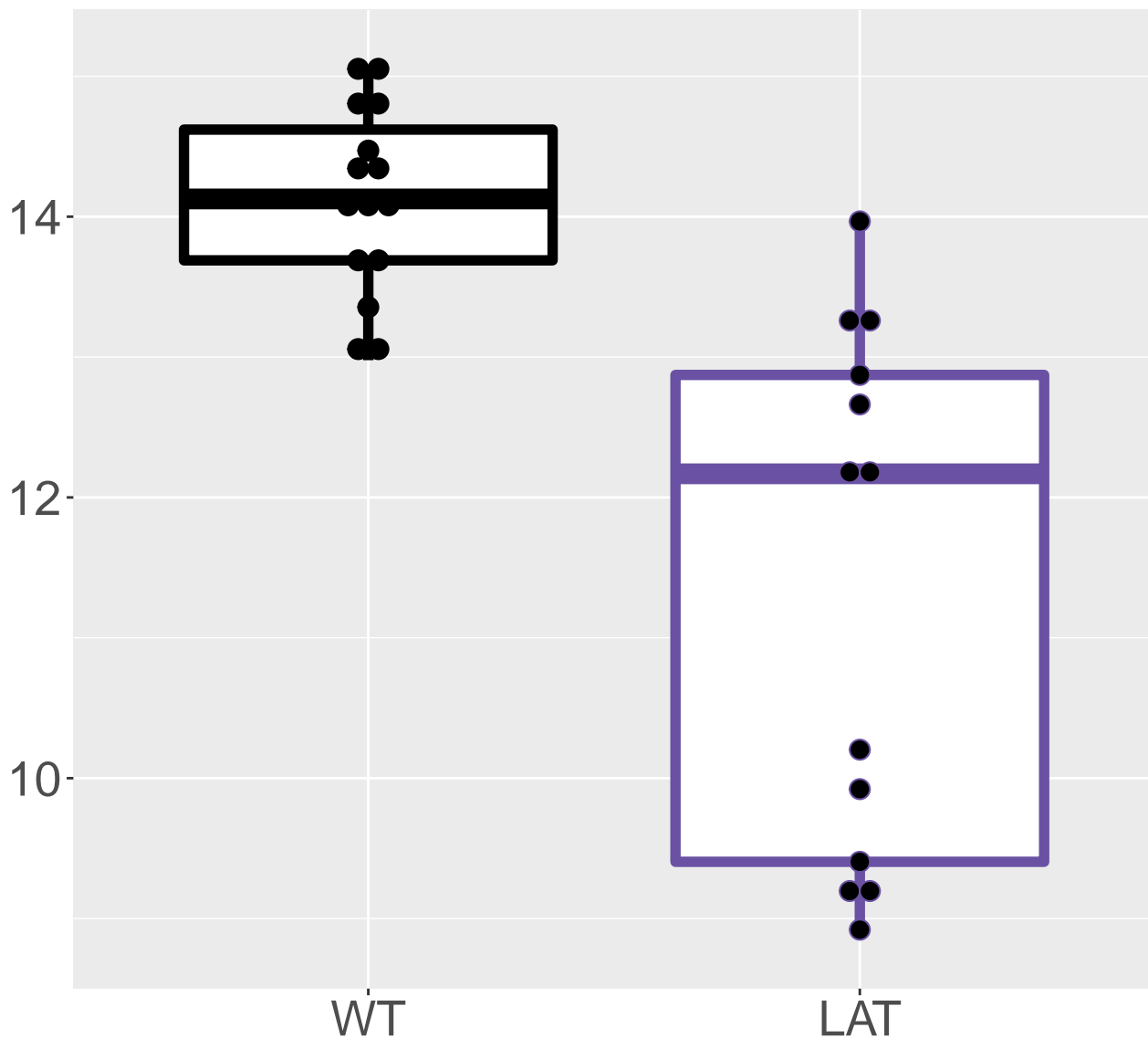
**M415.5589T226.7**

**FDR =  $8.3\text{e-}05$ , FC =  $-1.2$**



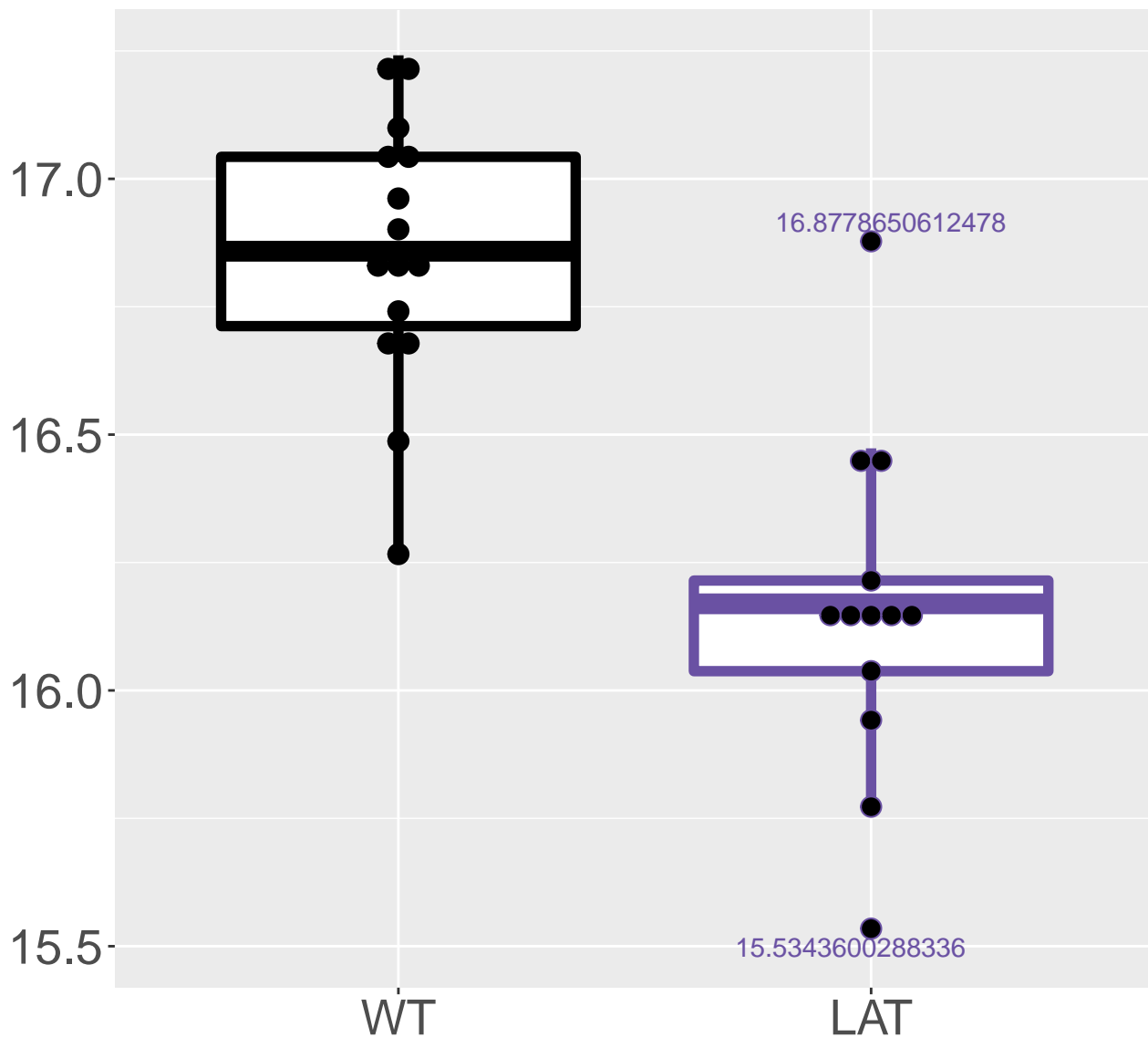
**M438.9964T331.29\_1**

**FDR =  $8.3e-05$ , FC = -2.8**

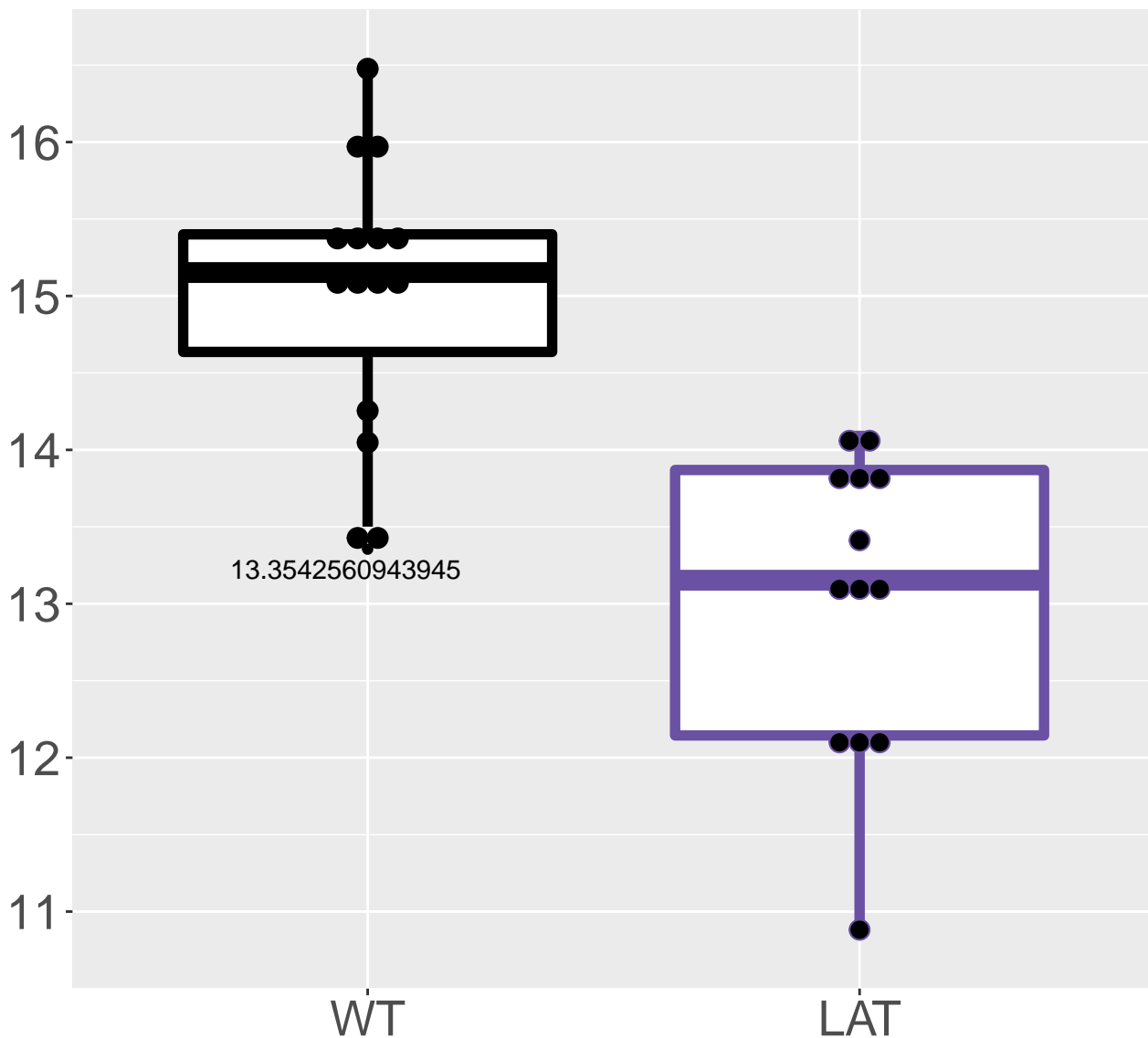


**M128.0582T75.44\_31**

**FDR =  $8.6e-05$ , FC =  $-0.69$**

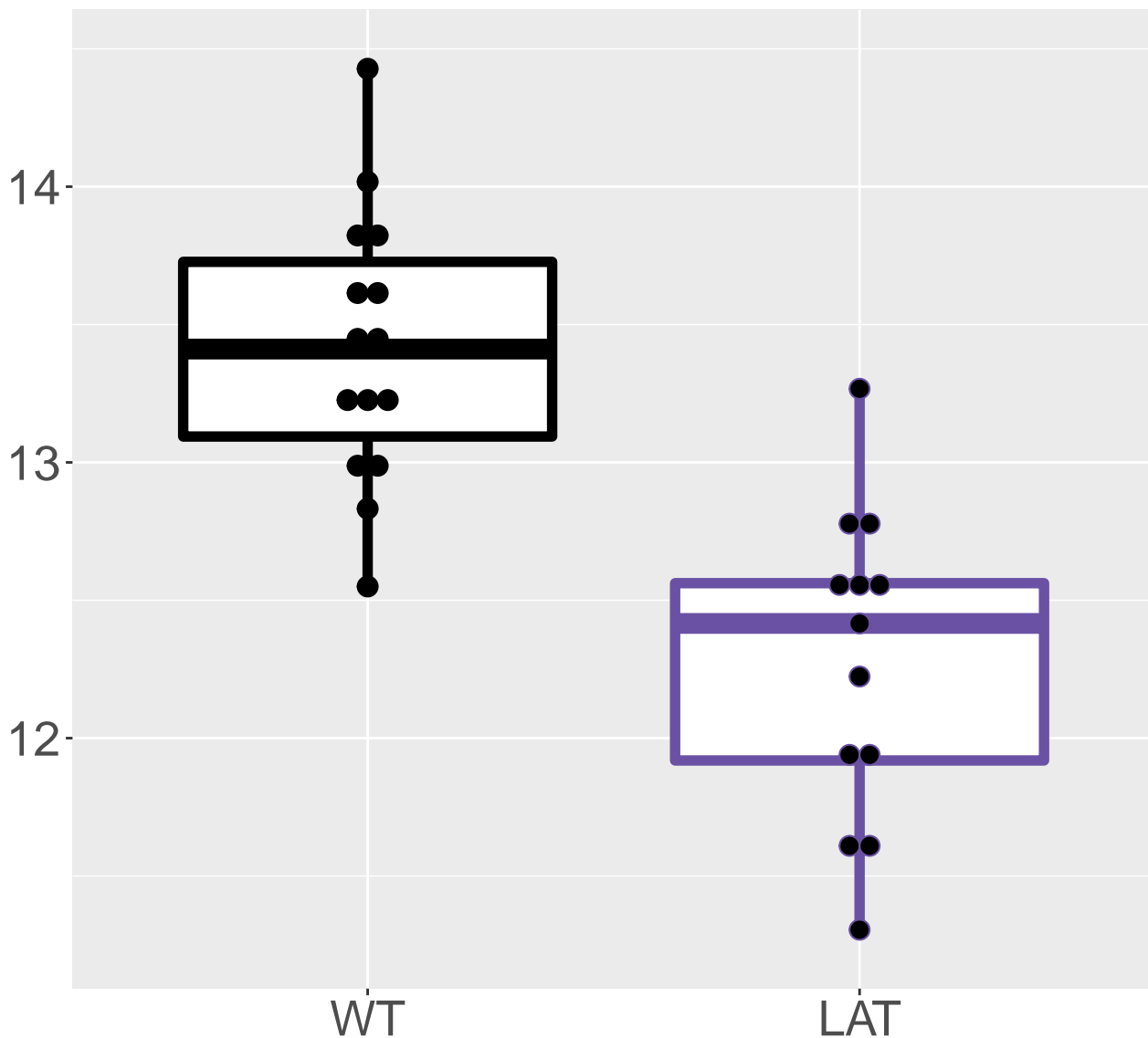


**M279.9214T253.82\_2**  
**FDR = 8.7e-05, FC = -2**

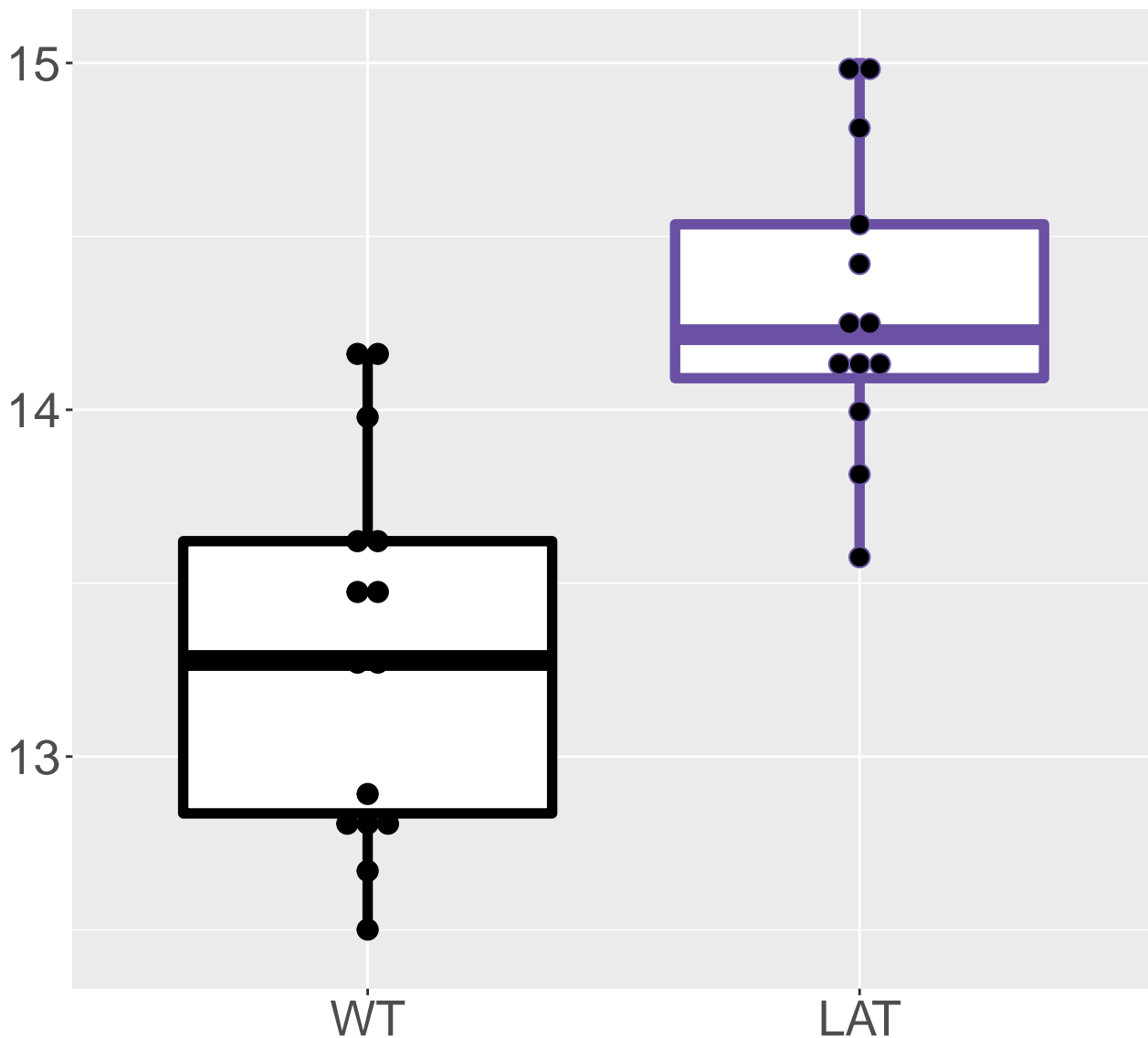


**M403.7631T293.89**

**FDR =  $8.7\text{e-}05$ , FC =  $-1.1$**

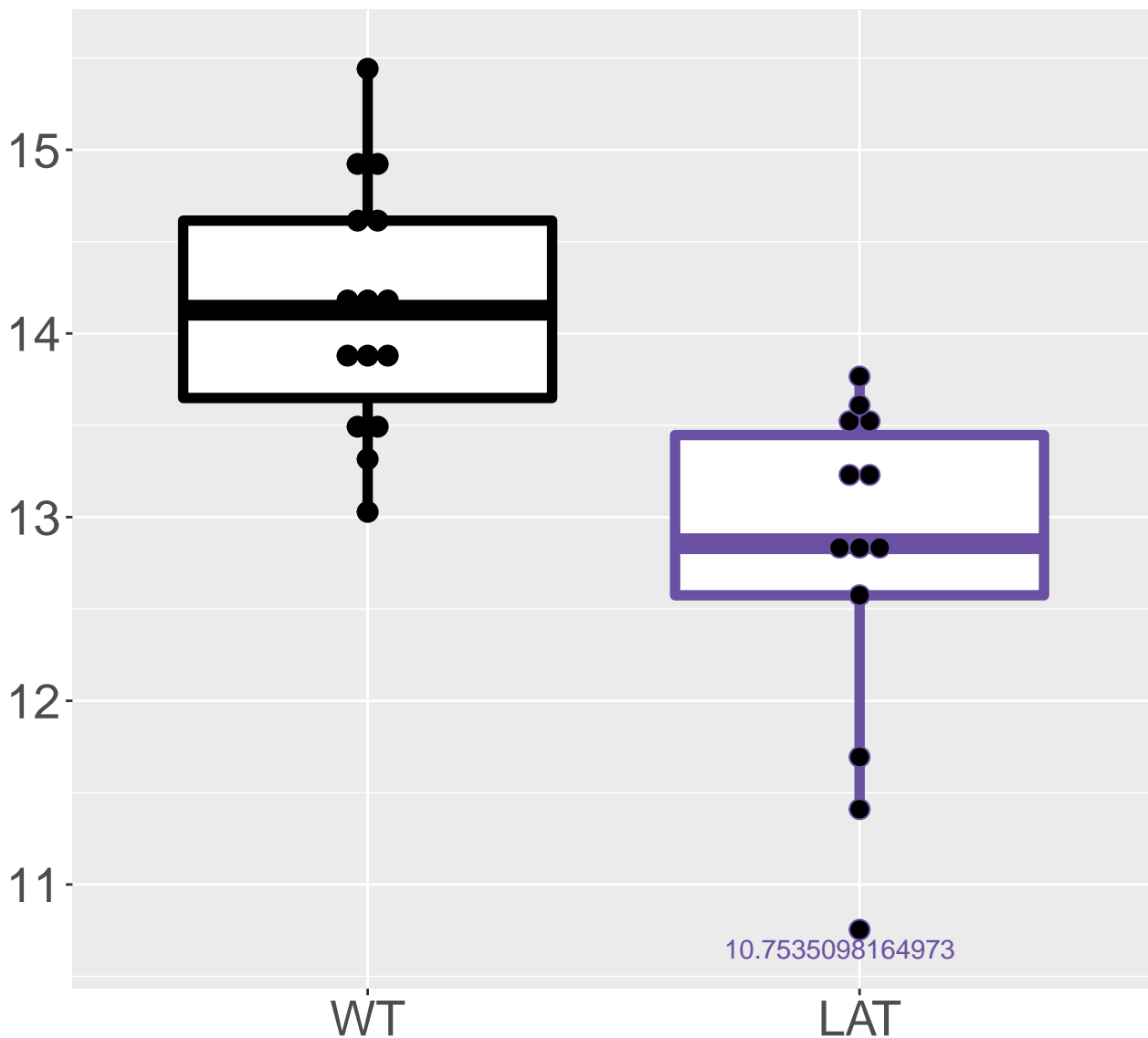


**M506.9255T309.1\_2**  
**FDR =  $8.7e-05$ , FC = 1**



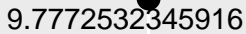
**M293.7018T270.52\_2**

**FDR =  $8.8e-05$ , FC =  $-1.4$ , sex\***

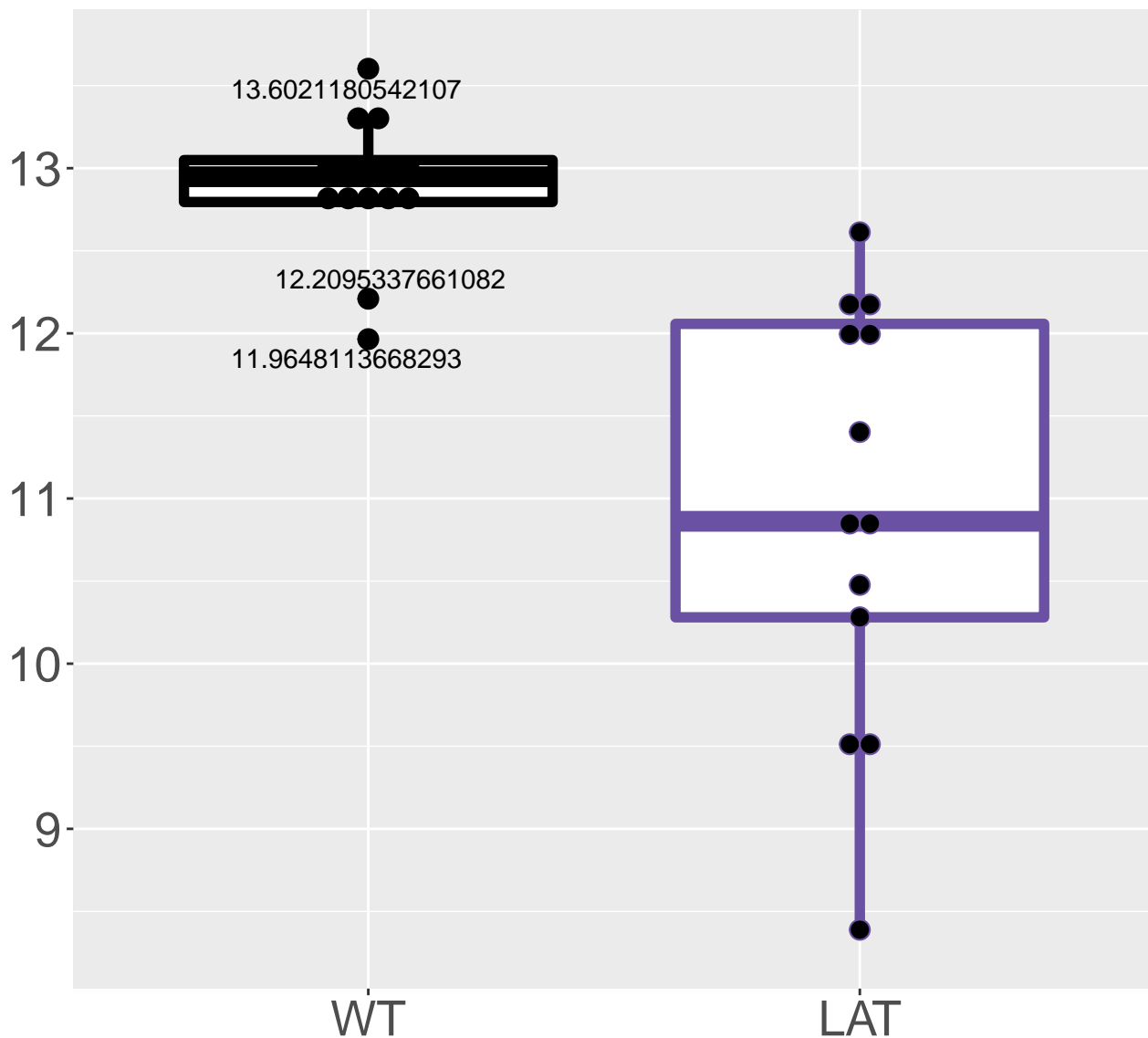




**FDR = 8.9e-05, FC = 1.3**

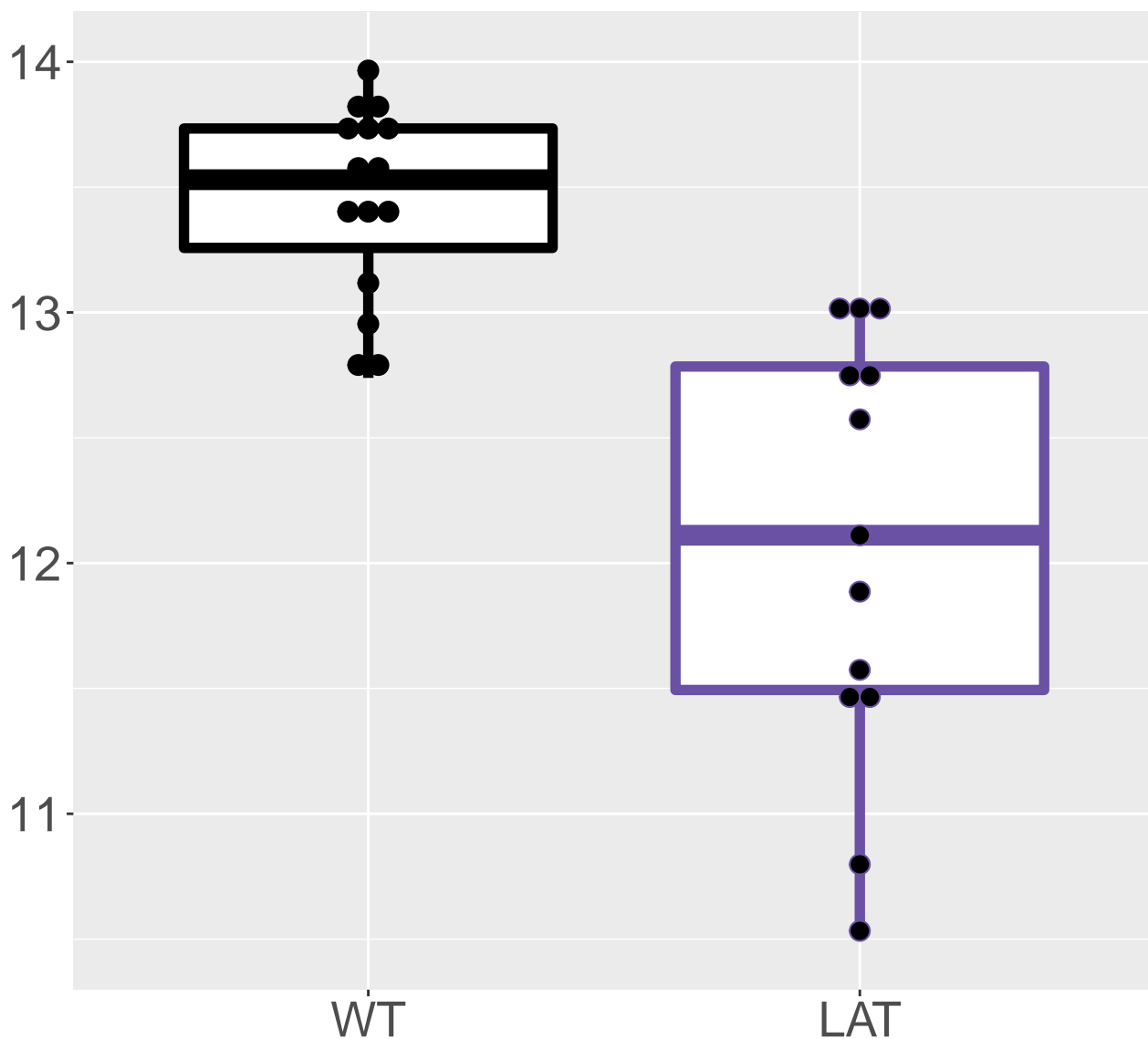


**M481.7774T294.55**  
**FDR =  $9.3e-05$ , FC = -2**



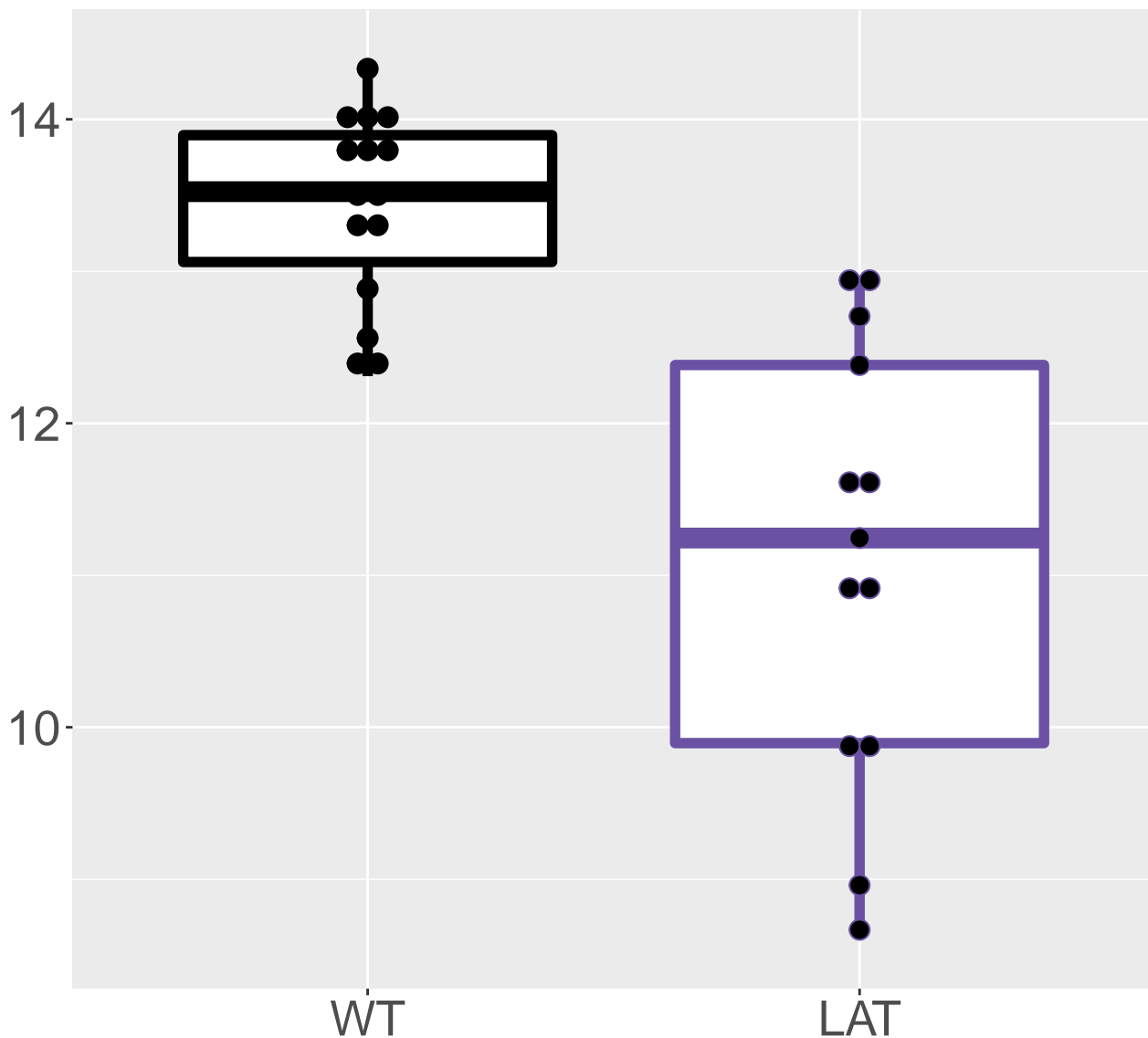
**M475.5062T272.76**

**FDR =  $9.3e-05$ , FC =  $-1.4$**



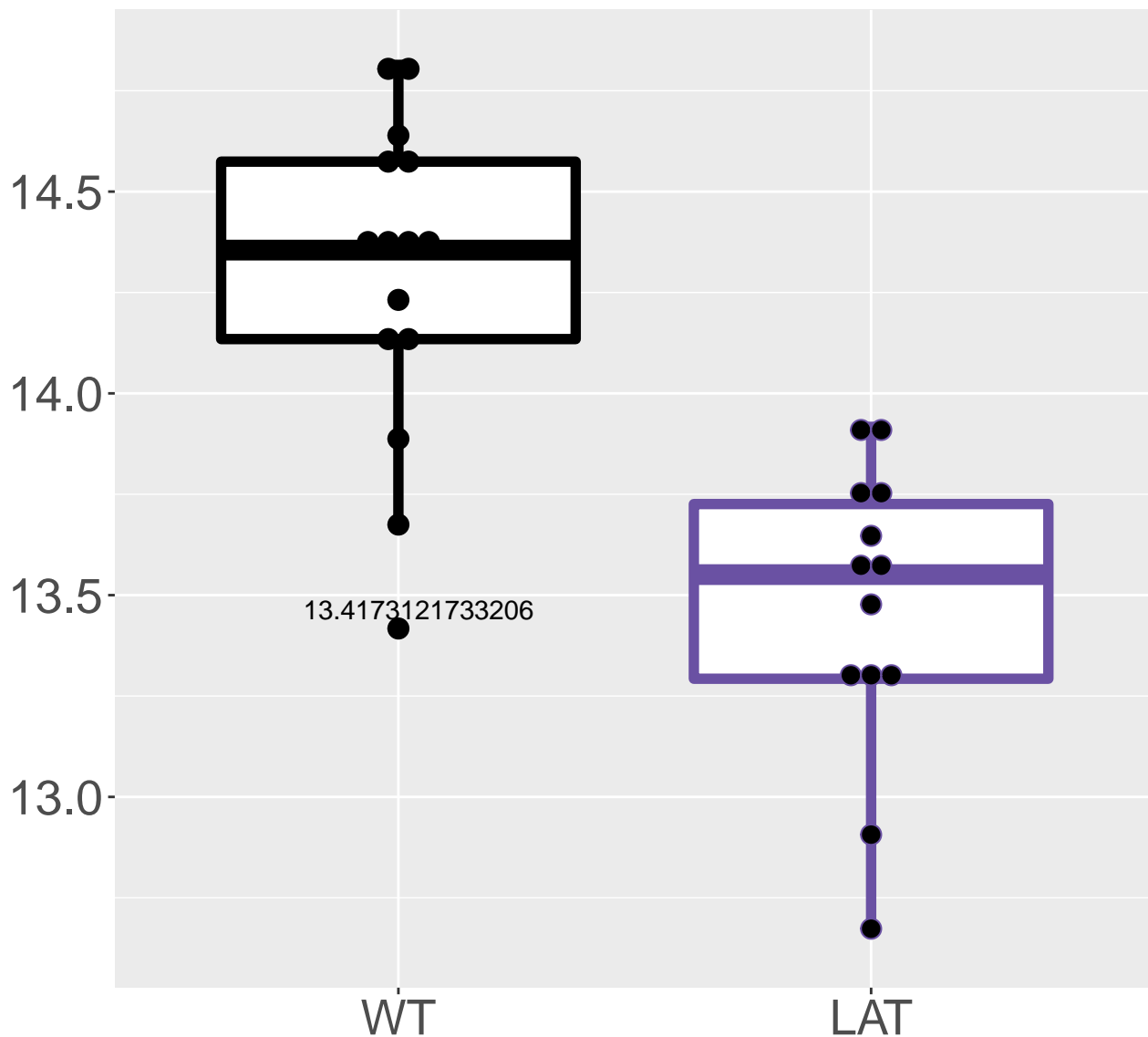
**M700.7903T338.61\_2**

**FDR =  $9.5e-05$ , FC = -2.3**



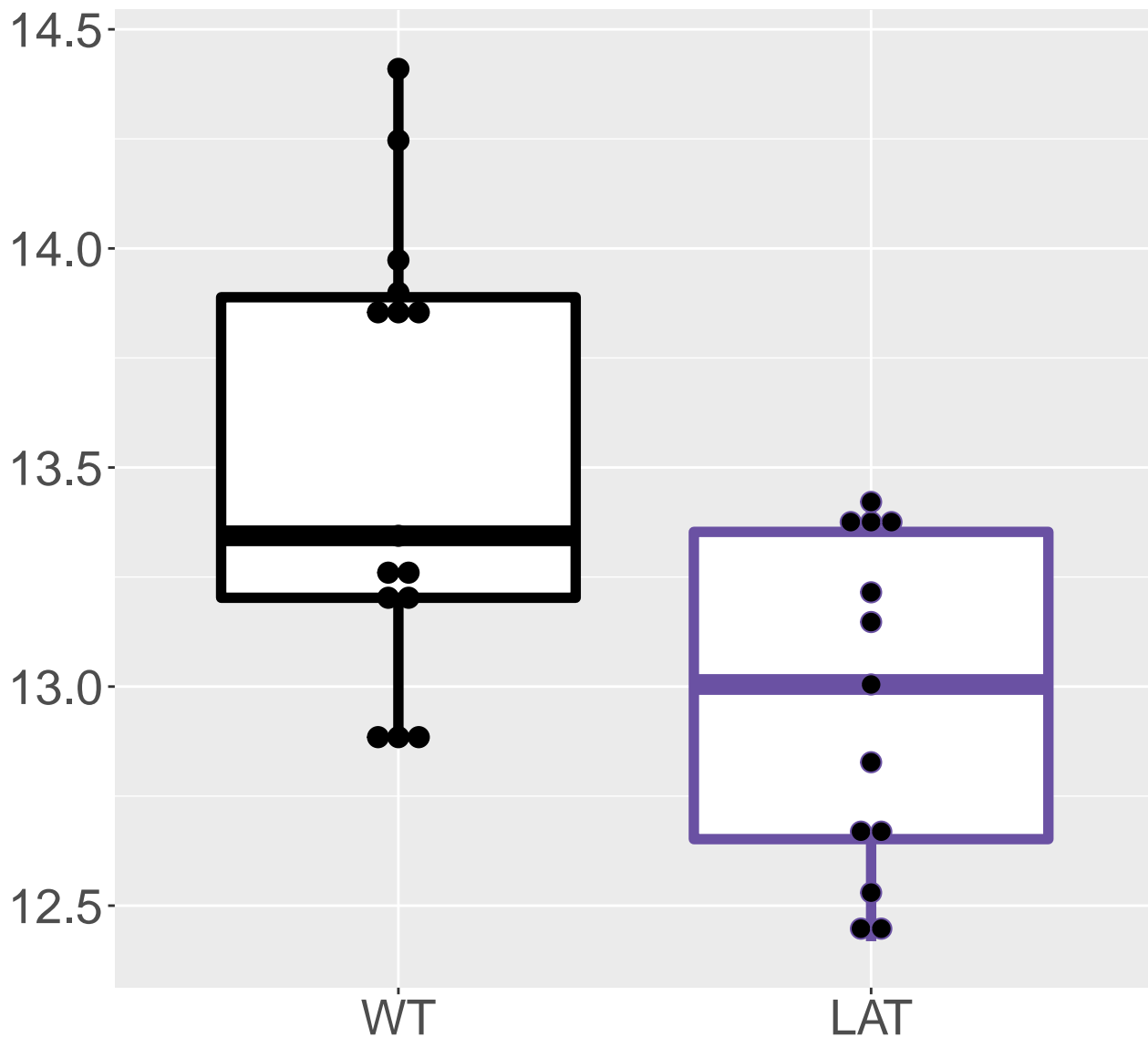
**M438.5503T270.81\_1**

**FDR = 1e-04, FC = -0.82**



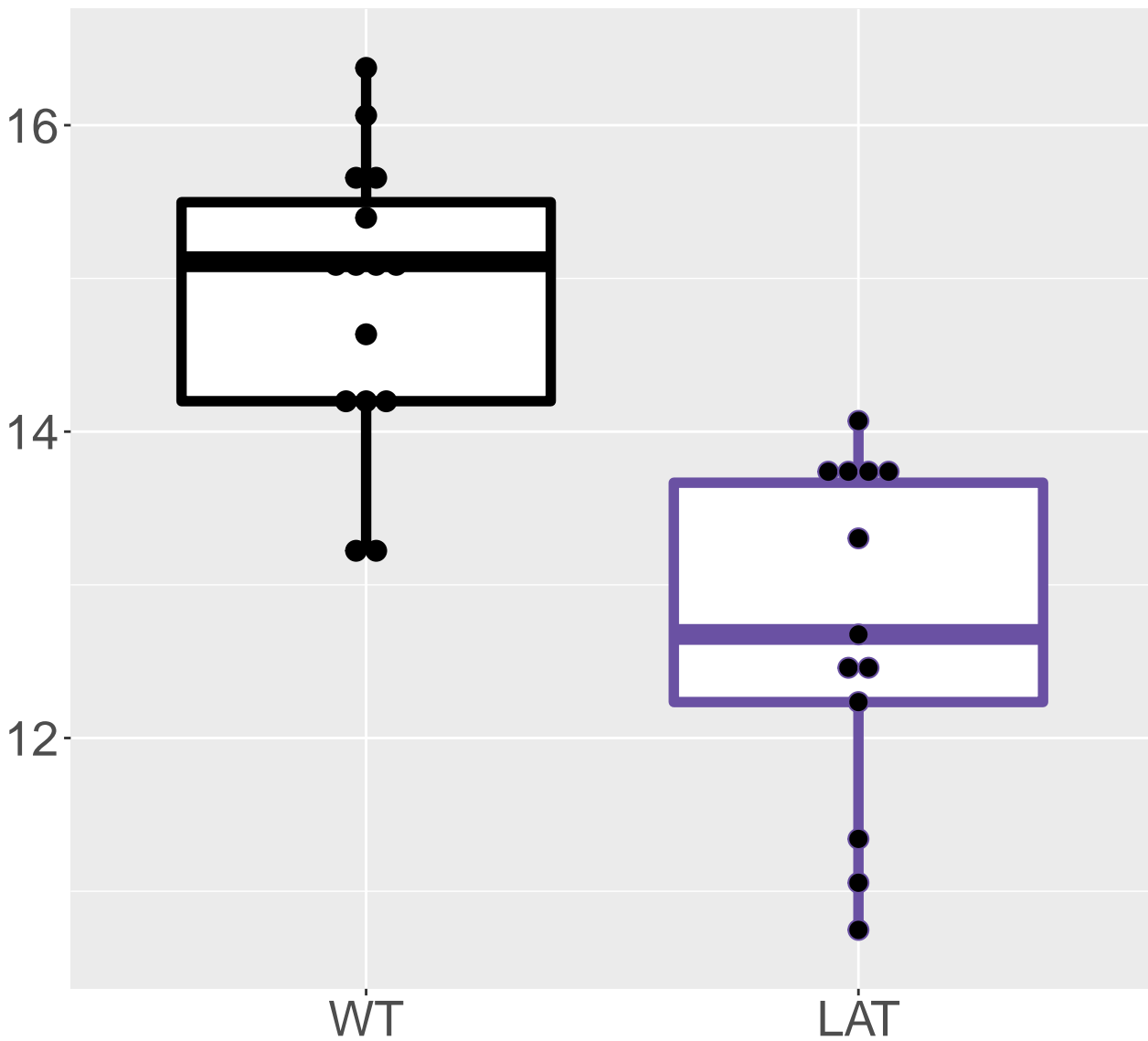
**M391.708T297.24**

**FDR = 1e-04, FC = -0.57, sex\*\*\***

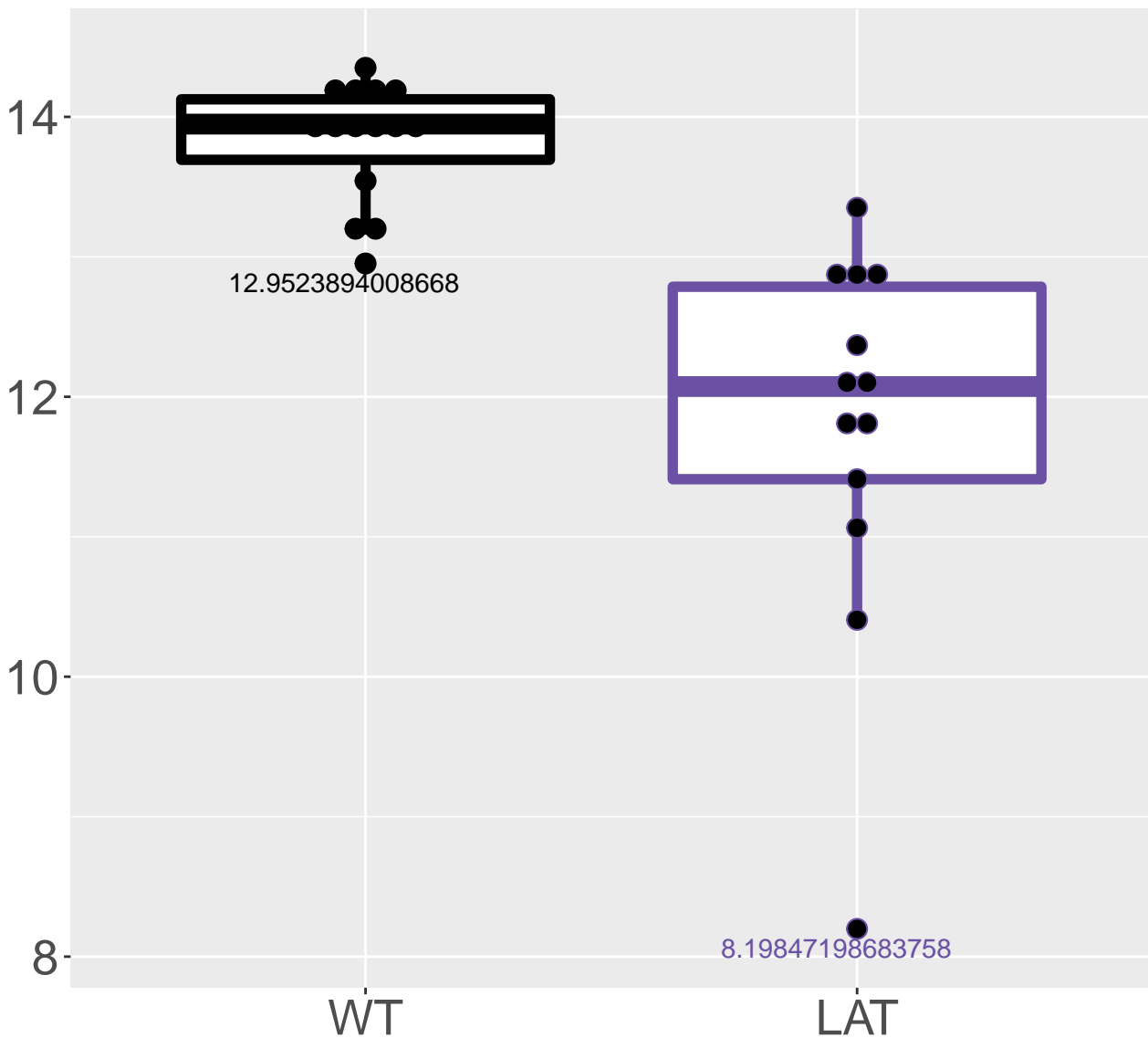


**M379.9428T265.82\_1**

**FDR = 0.00011,  $\overline{FC} = -2.2$**

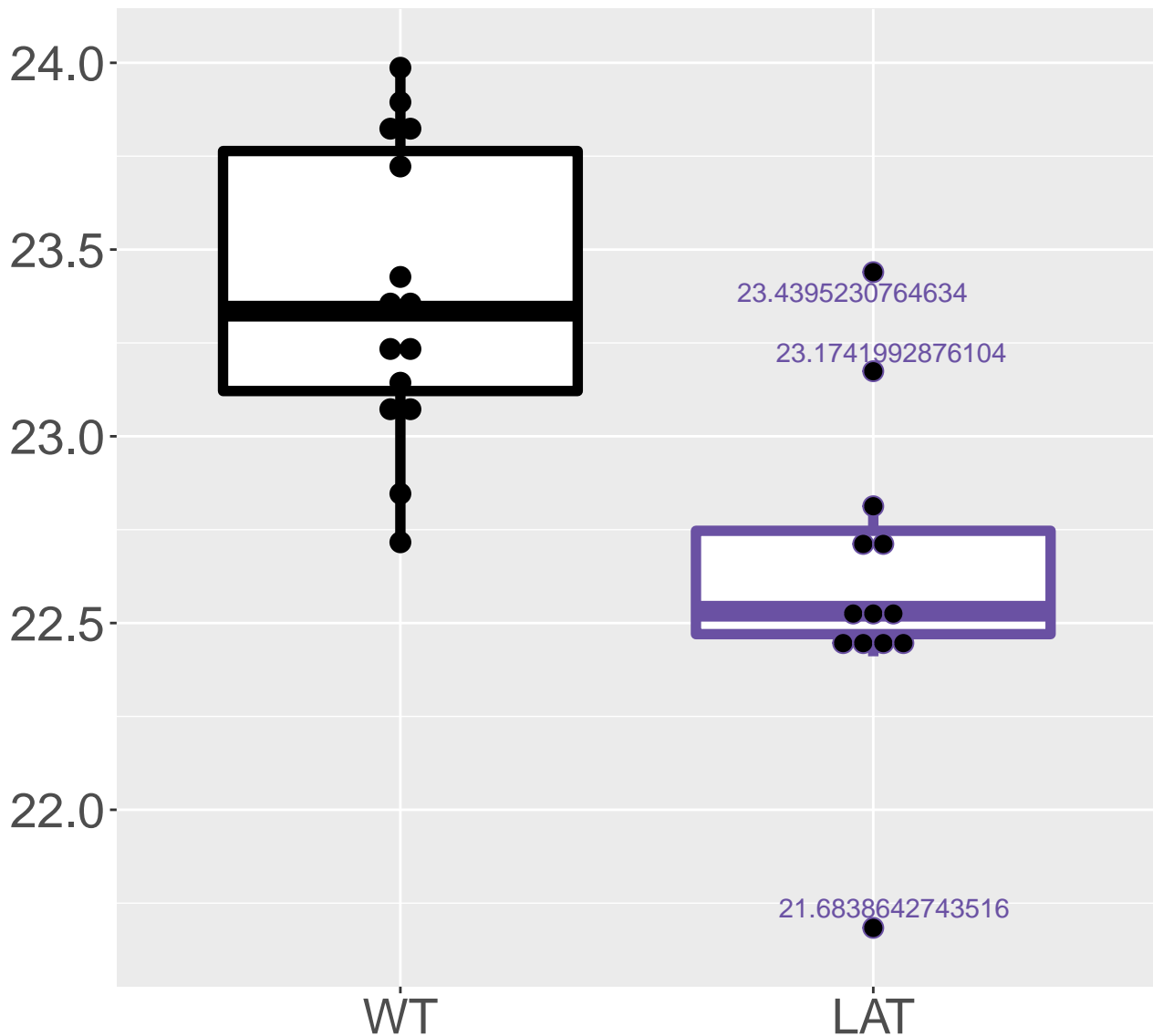


**M461.7621T252.48\_2**  
**FDR = 0.00011, FC = -2.1**



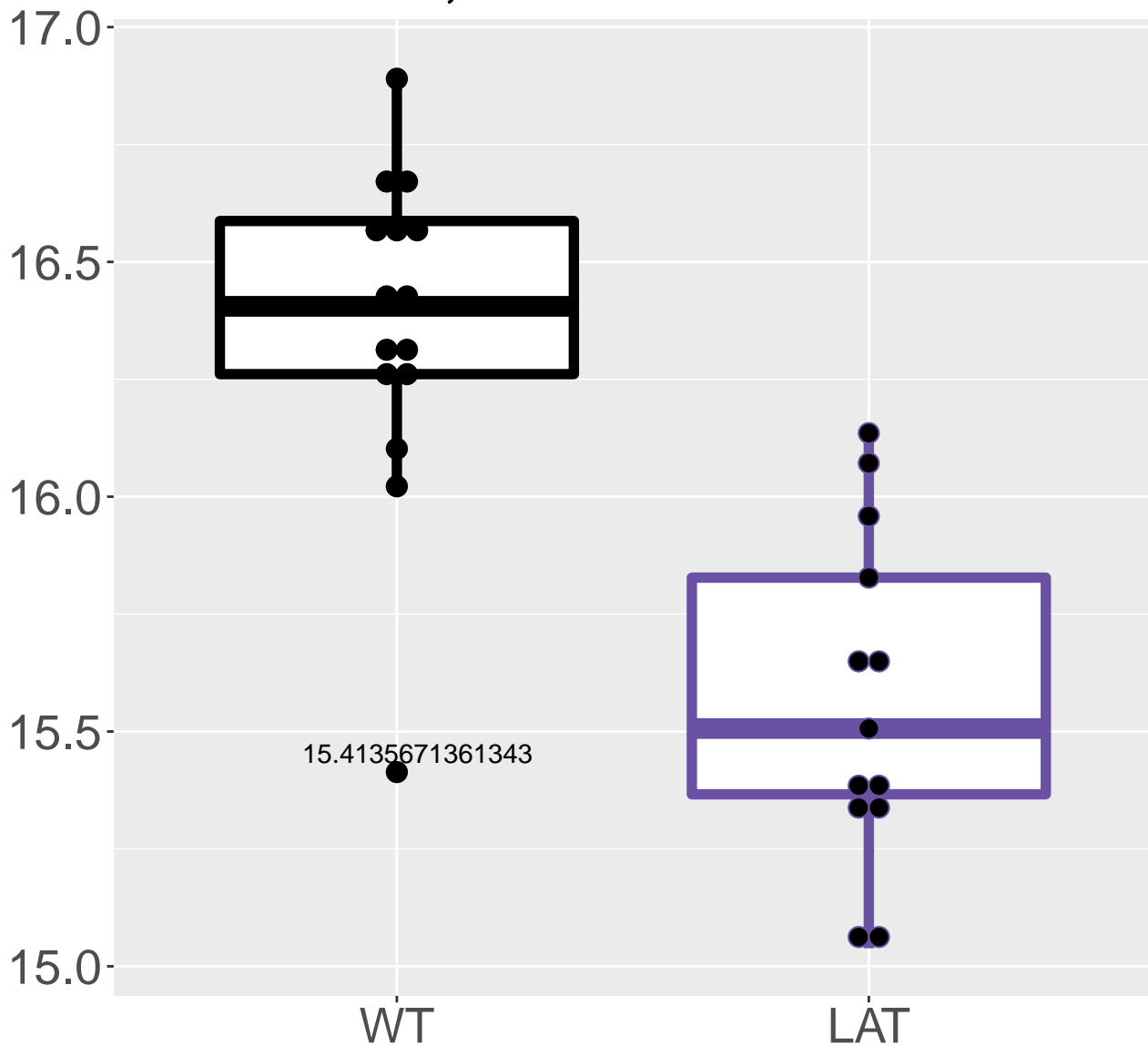


**(+)-Pantothenic acid;Pantothenic acid;D-Pant**  
**FDR = 0.00011, FC = -0.77**

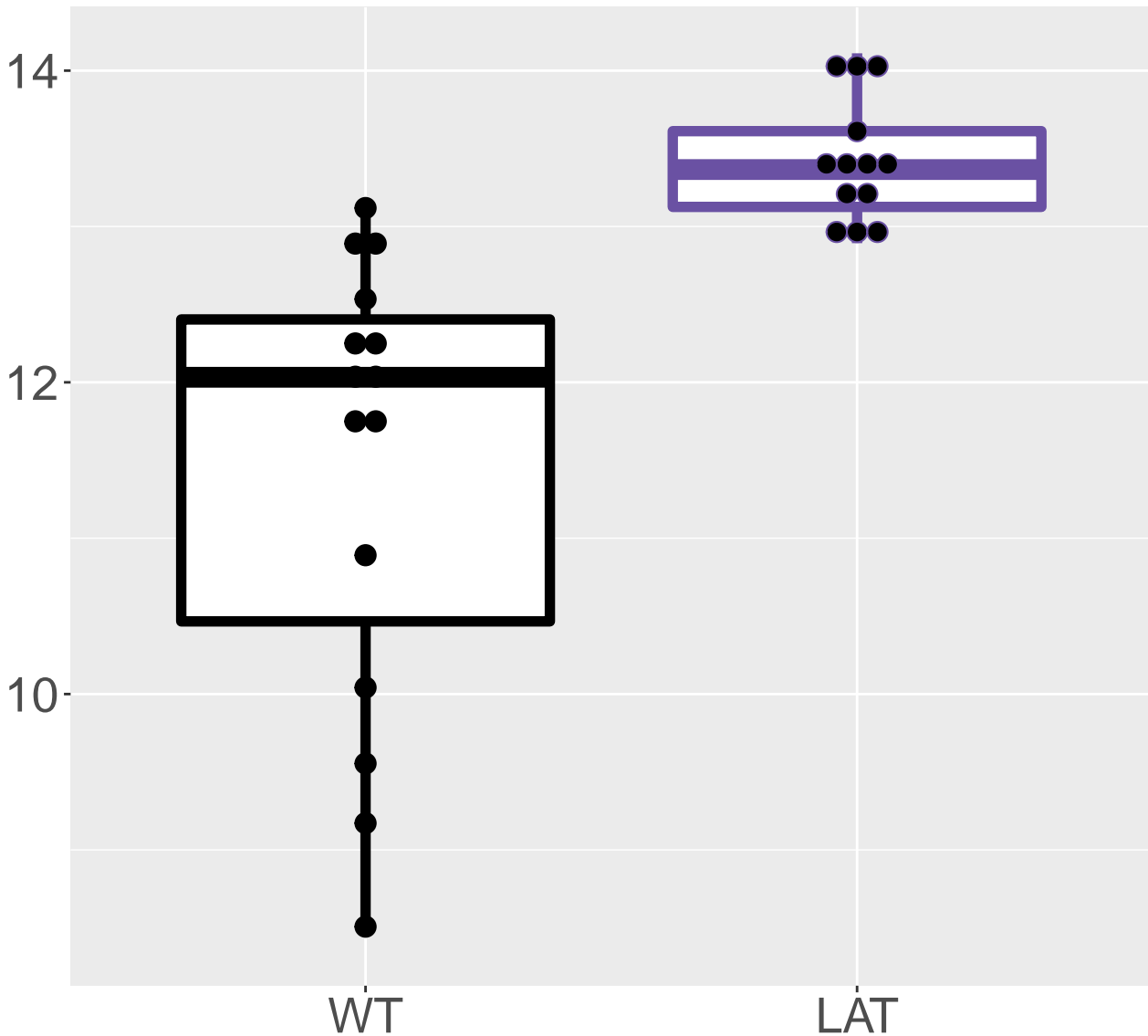


**M126.3072T75.51\_25**

**FDR = 0.00011,  $\overline{FC} = -0.8$**

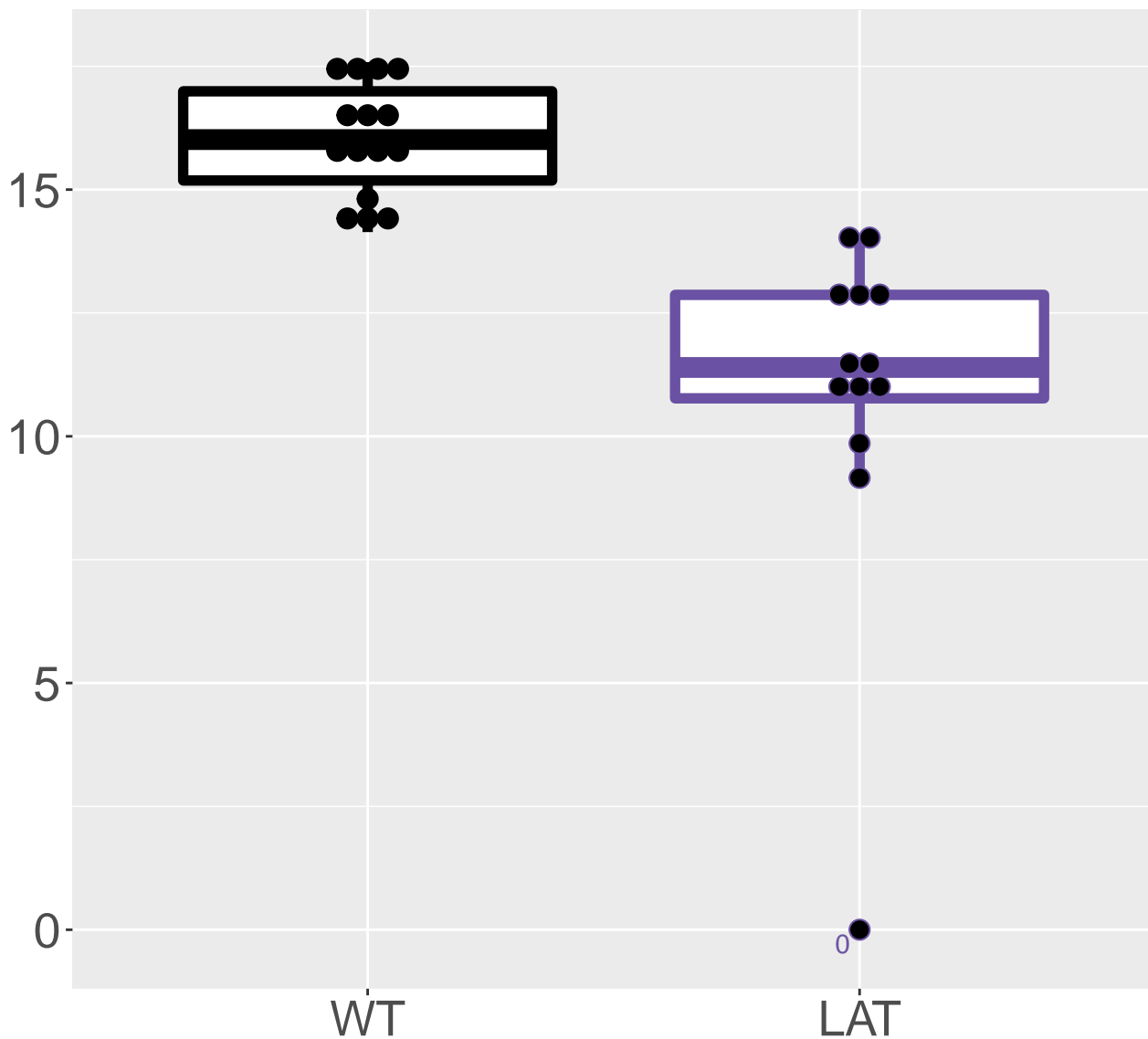


**M753.4277T360.91**  
**FDR = 0.00011, FC = 2**



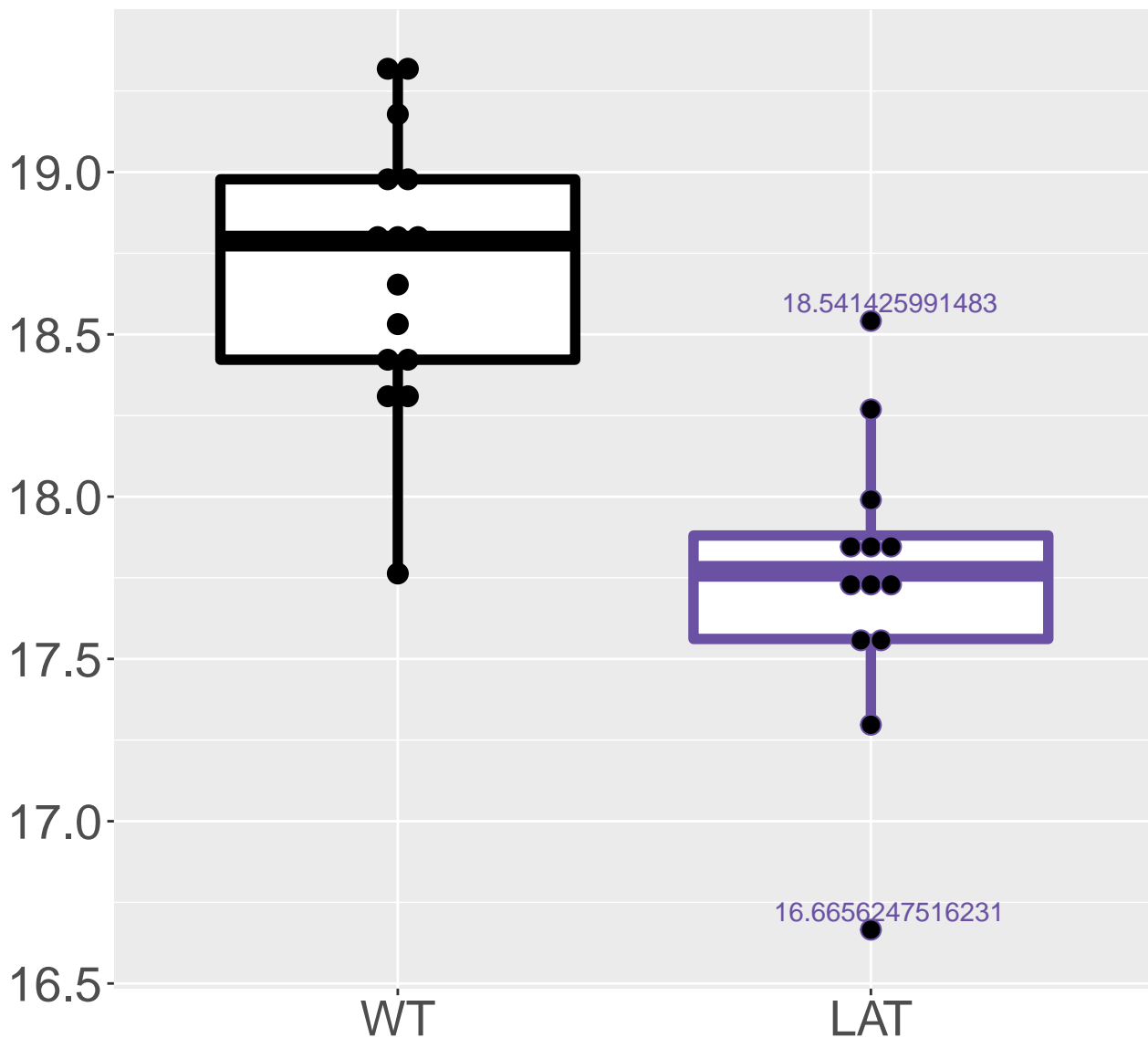
**M376.5632T319.91\_1**

**FDR = 0.00011, FC = -5.2**

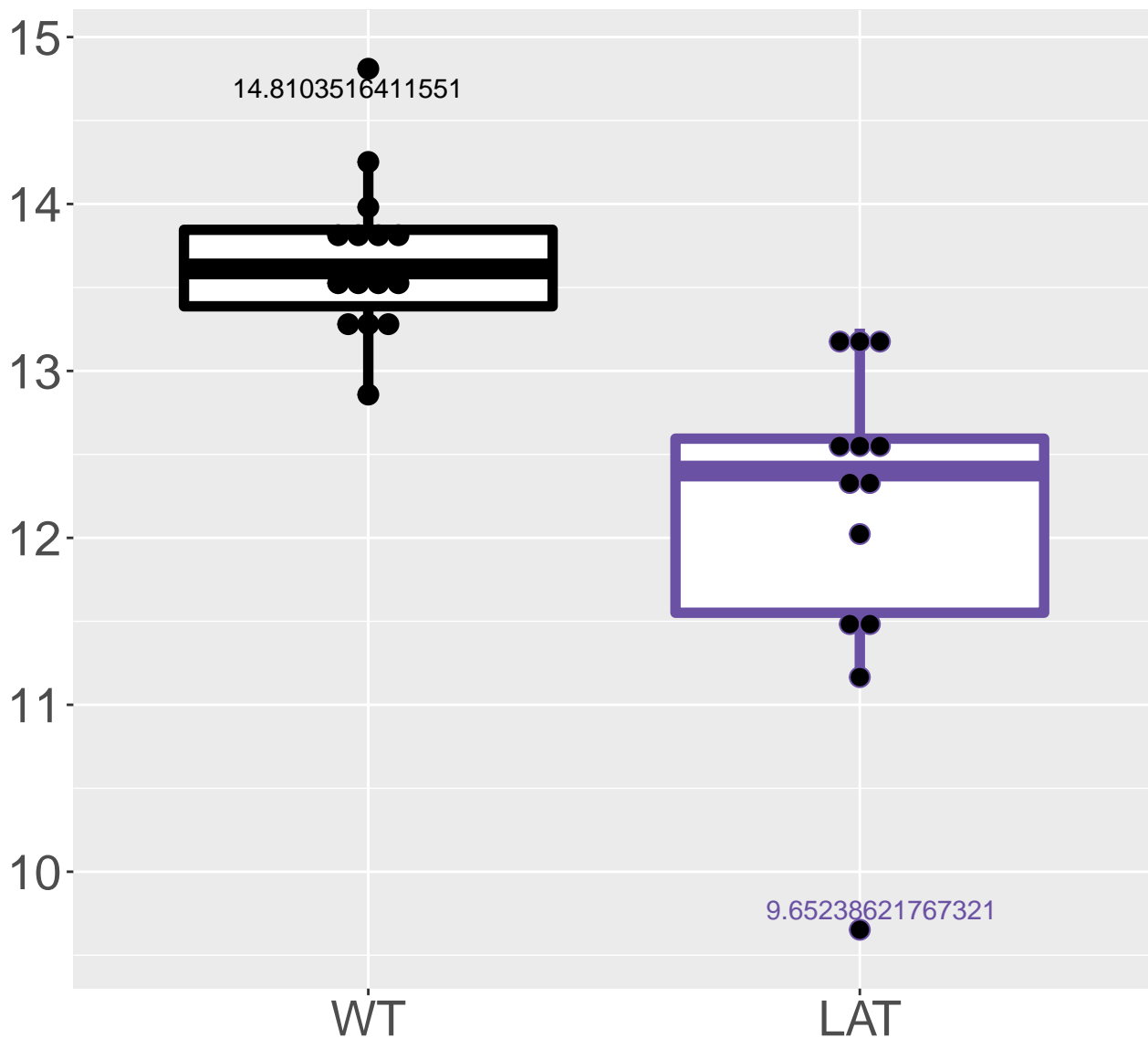


**M263.197T75.52**

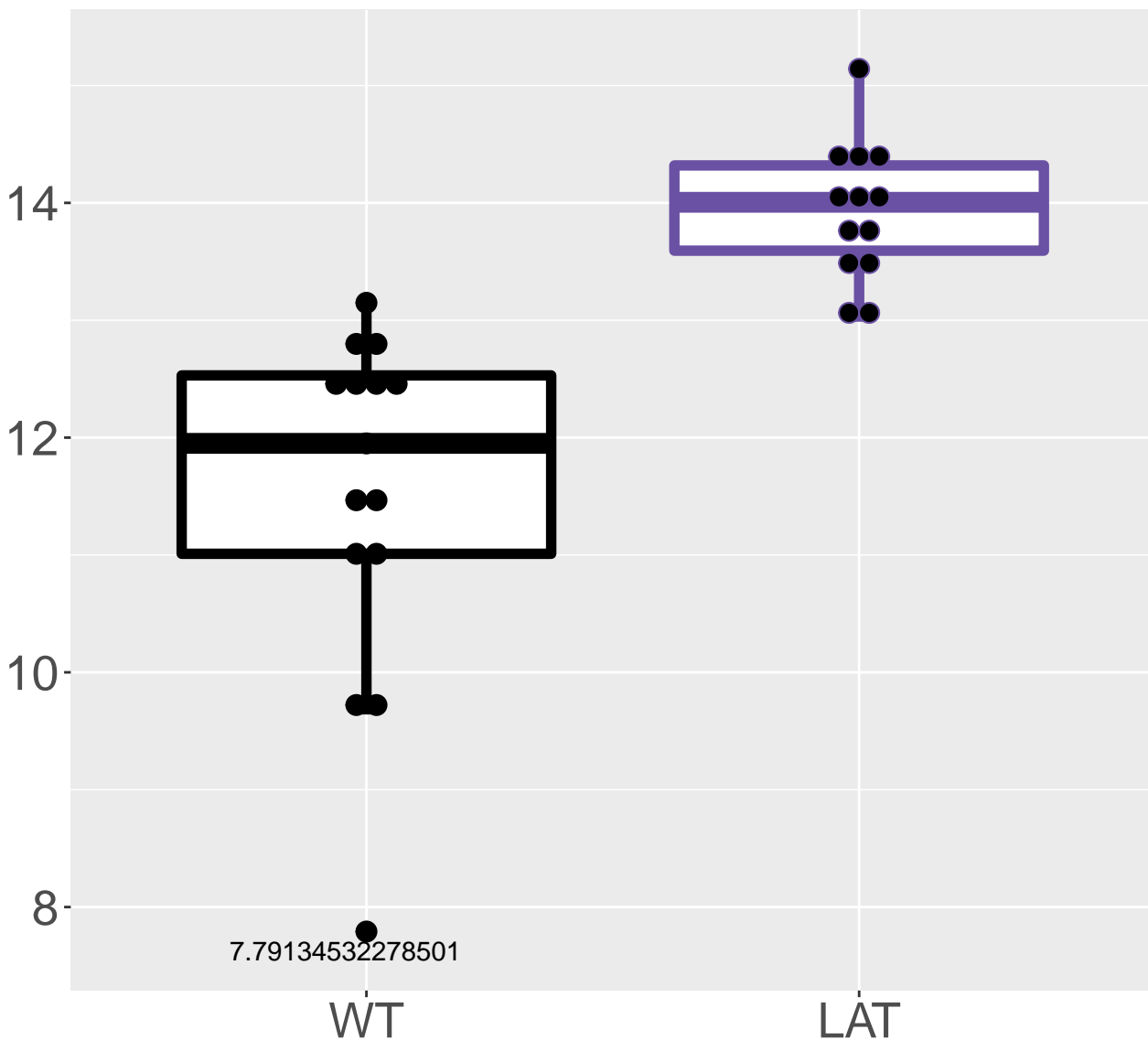
**FDR = 0.00011, FC = -0.96**



**FDR = 0.00011, FC = -1.5**

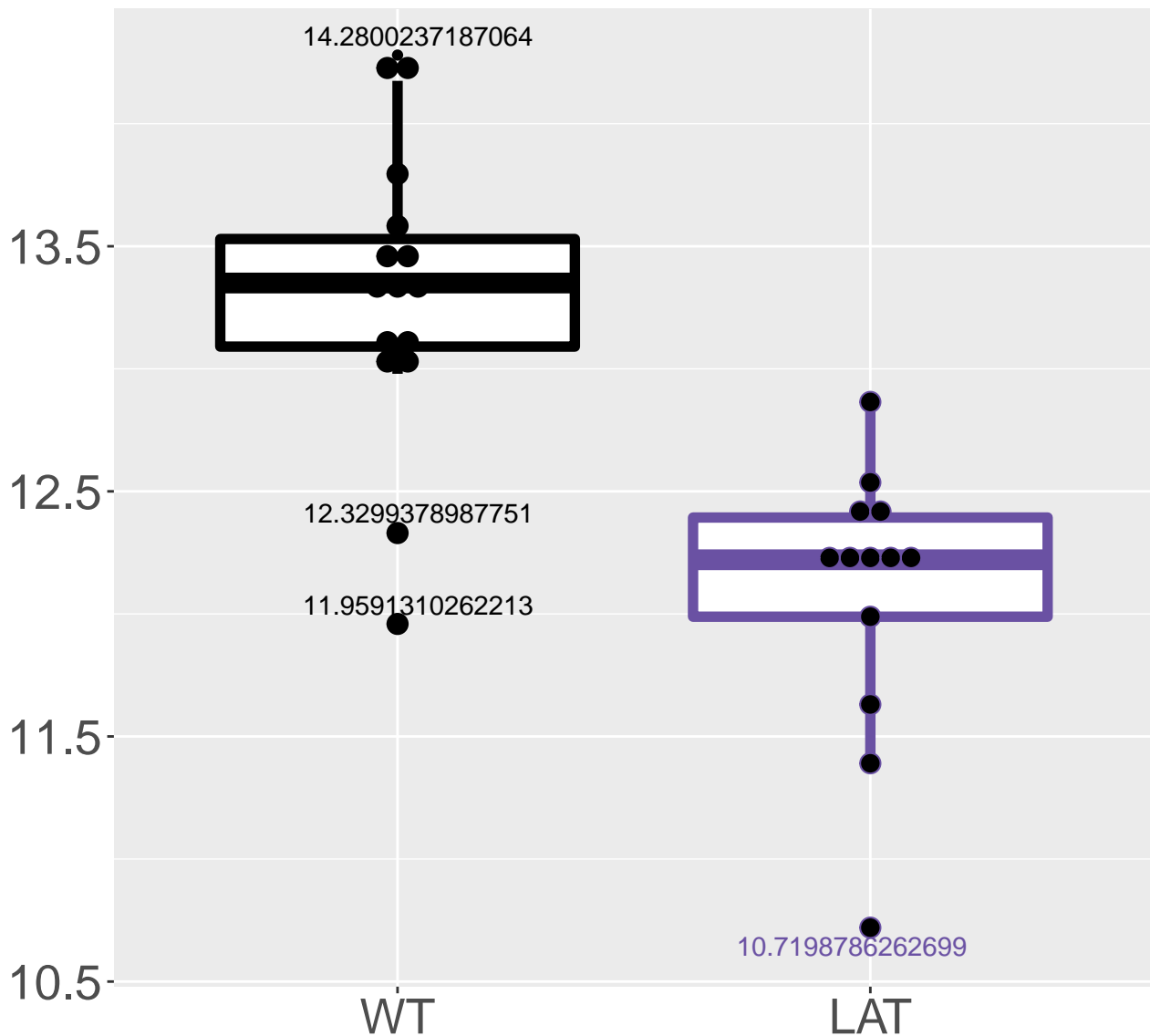


**M298.1509T248**  
**FDR = 0.00011, FC = 2.4**



**M390.7376T256.32**

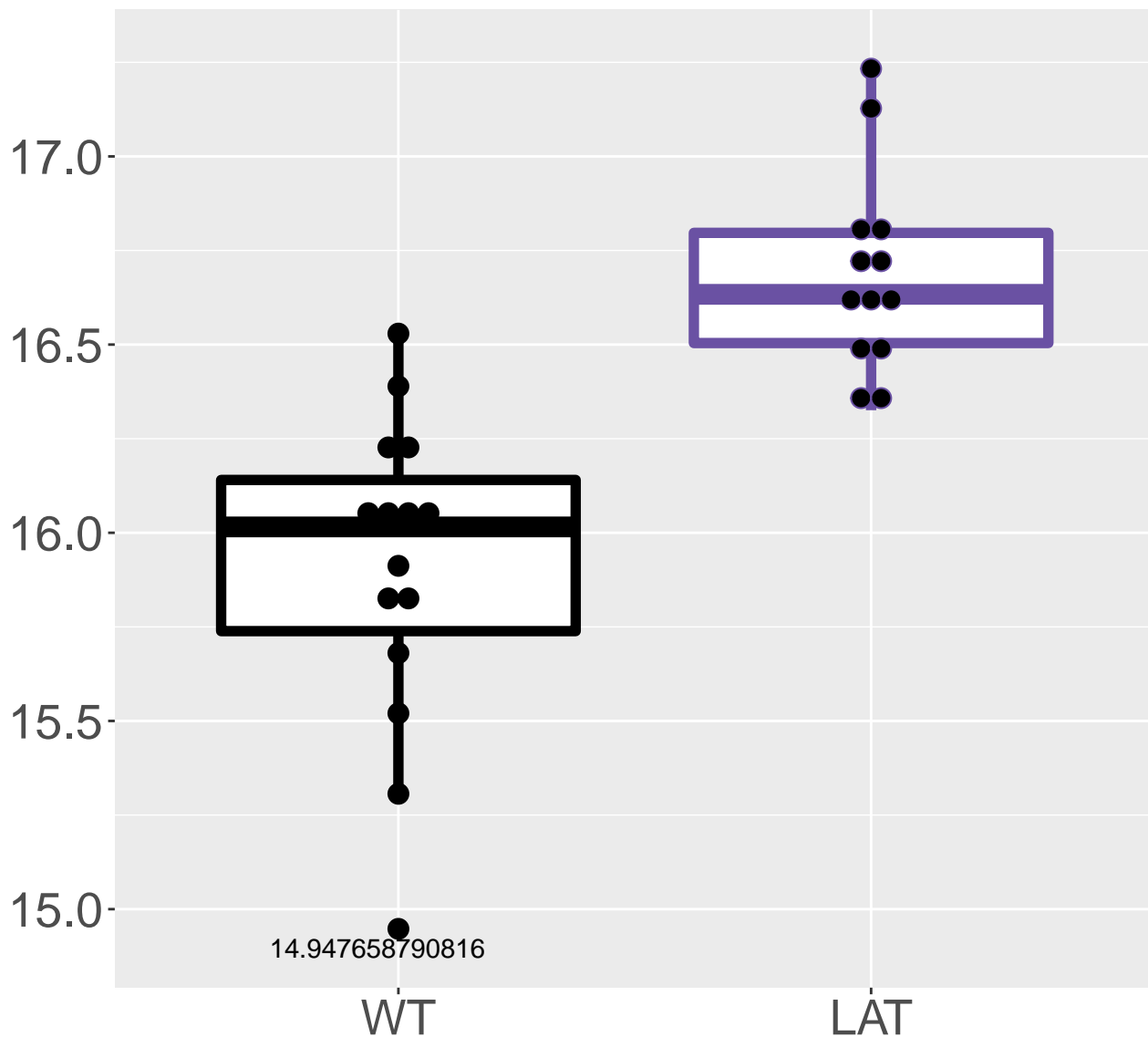
**FDR = 0.00011, FC = -1.2**





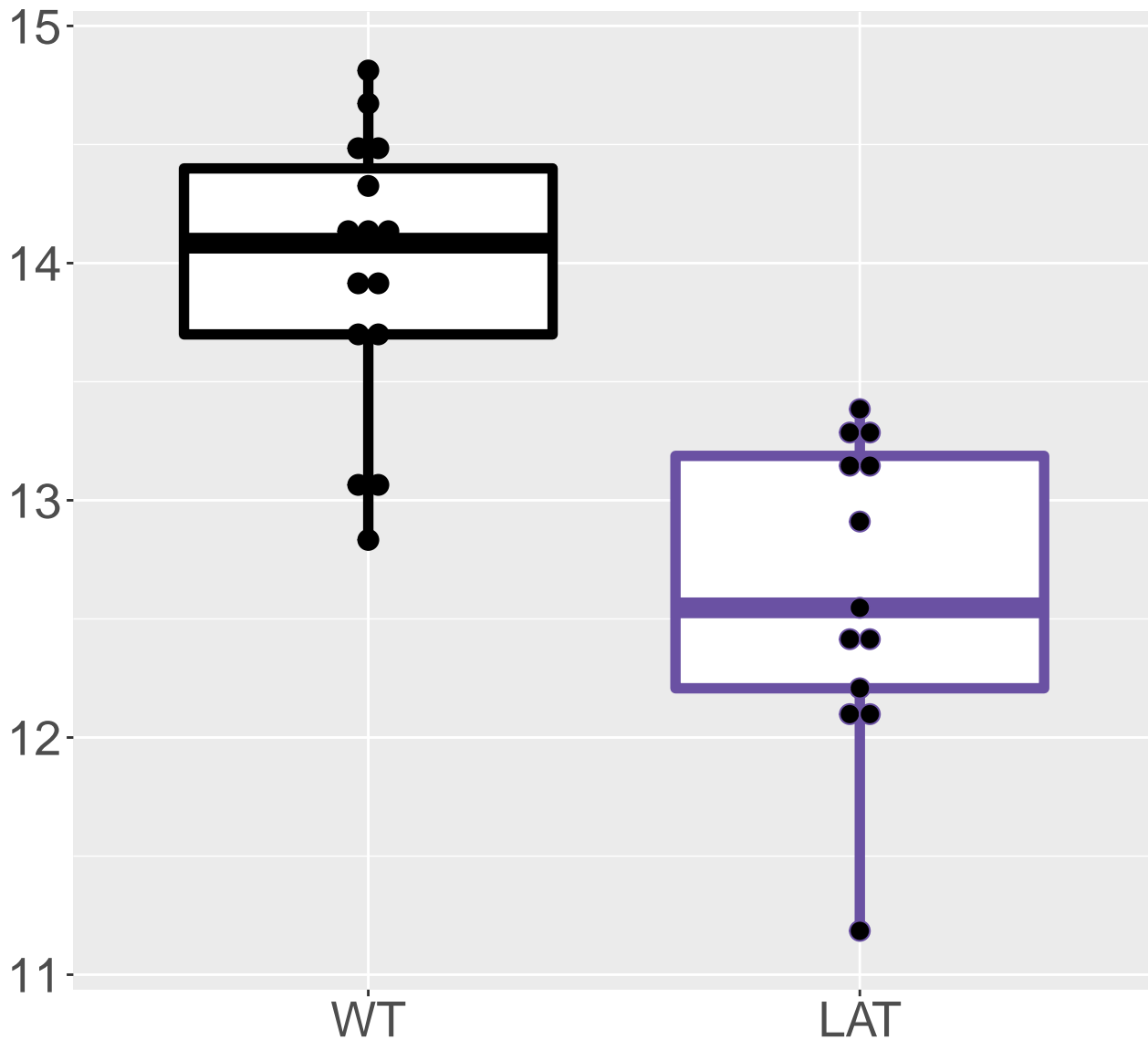
**M433.25T300.99**

**FDR = 0.00011, FC = 0.78**



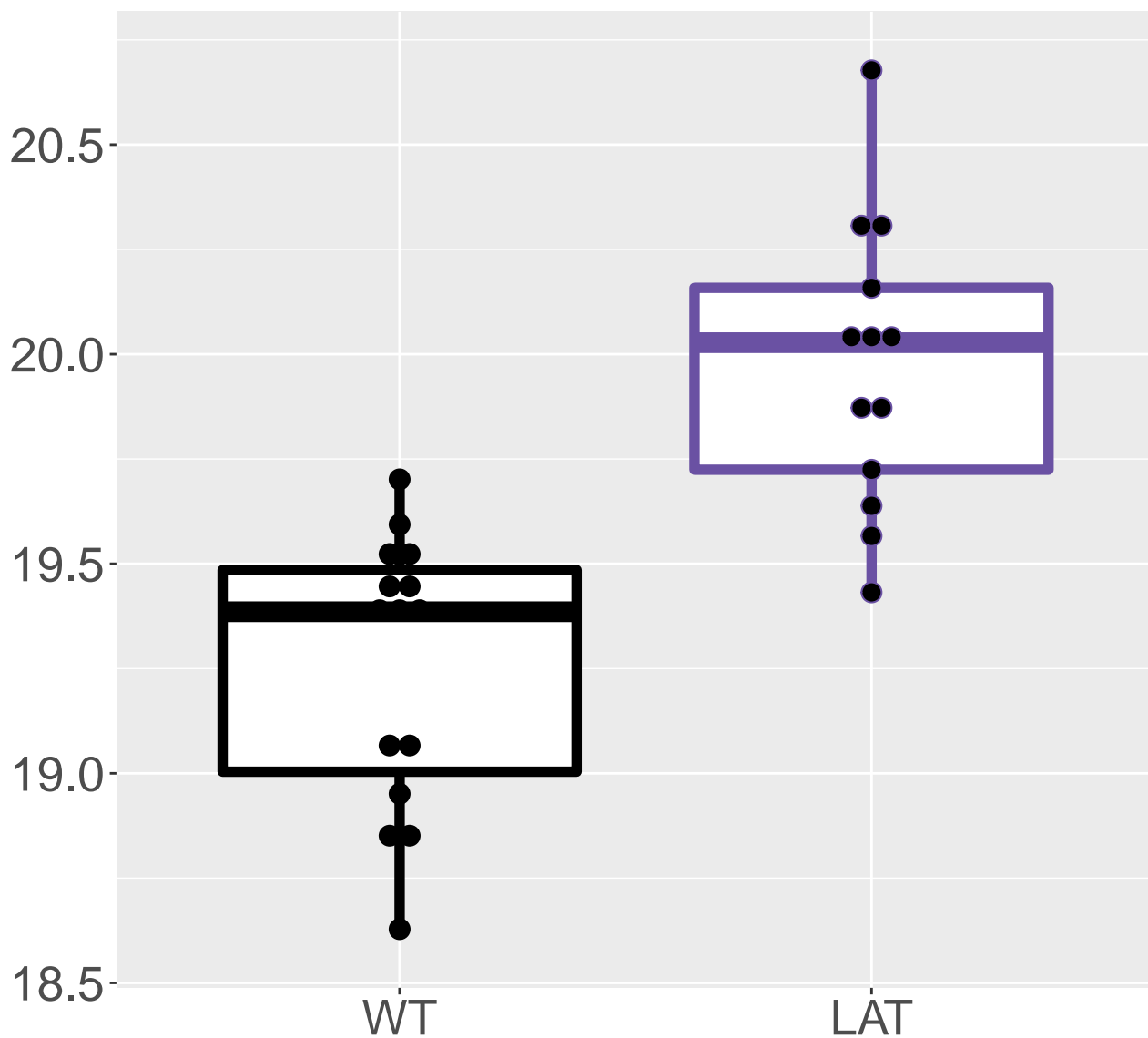
**M421.0152T307.23\_1**

**FDR = 0.00011, FC = -1.3**



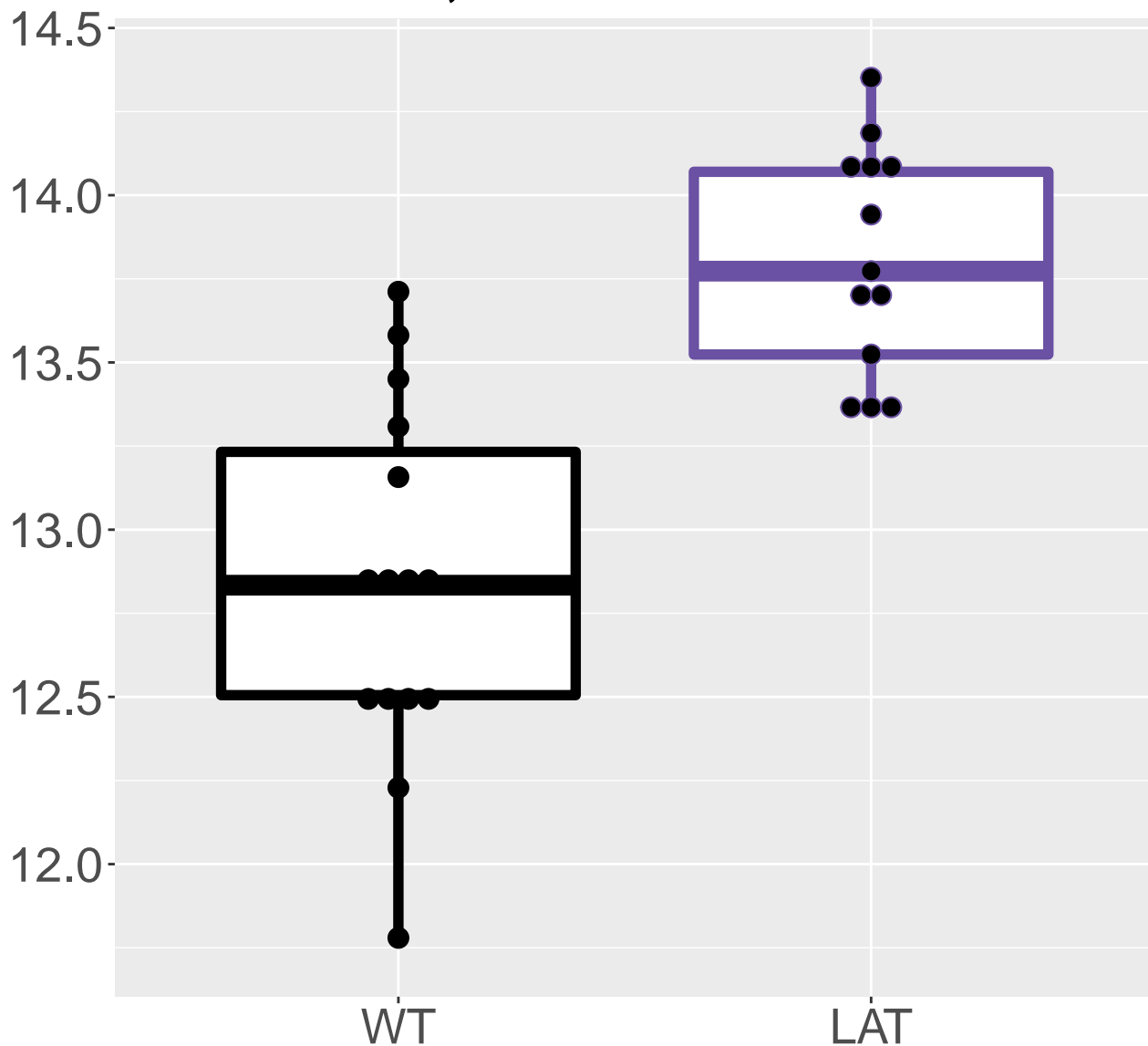
**Allantoin**

**FDR = 0.00011, FC = 0.72**



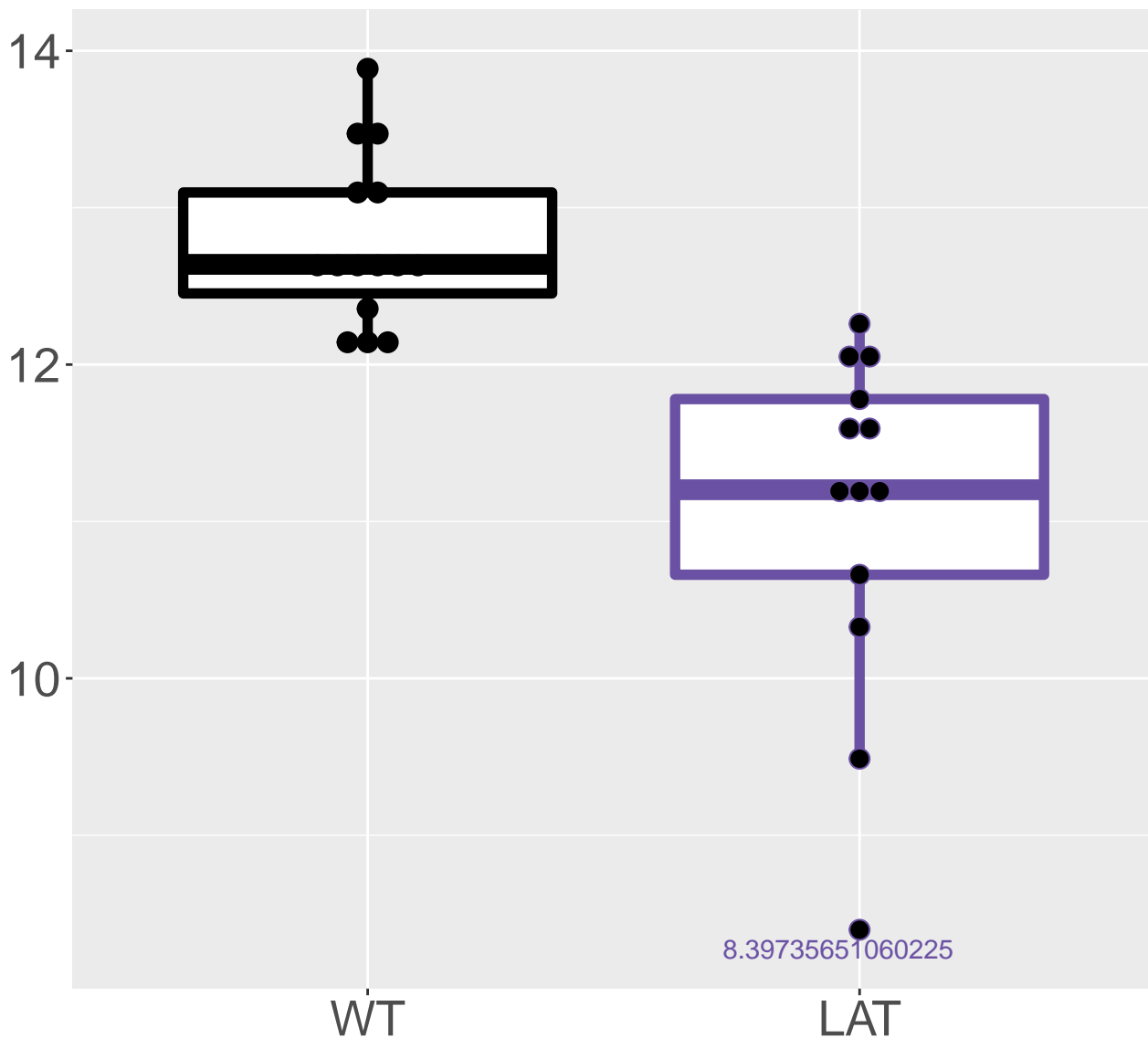
**M495.242T341.71**

**FDR = 0.00011, FC = 0.97**



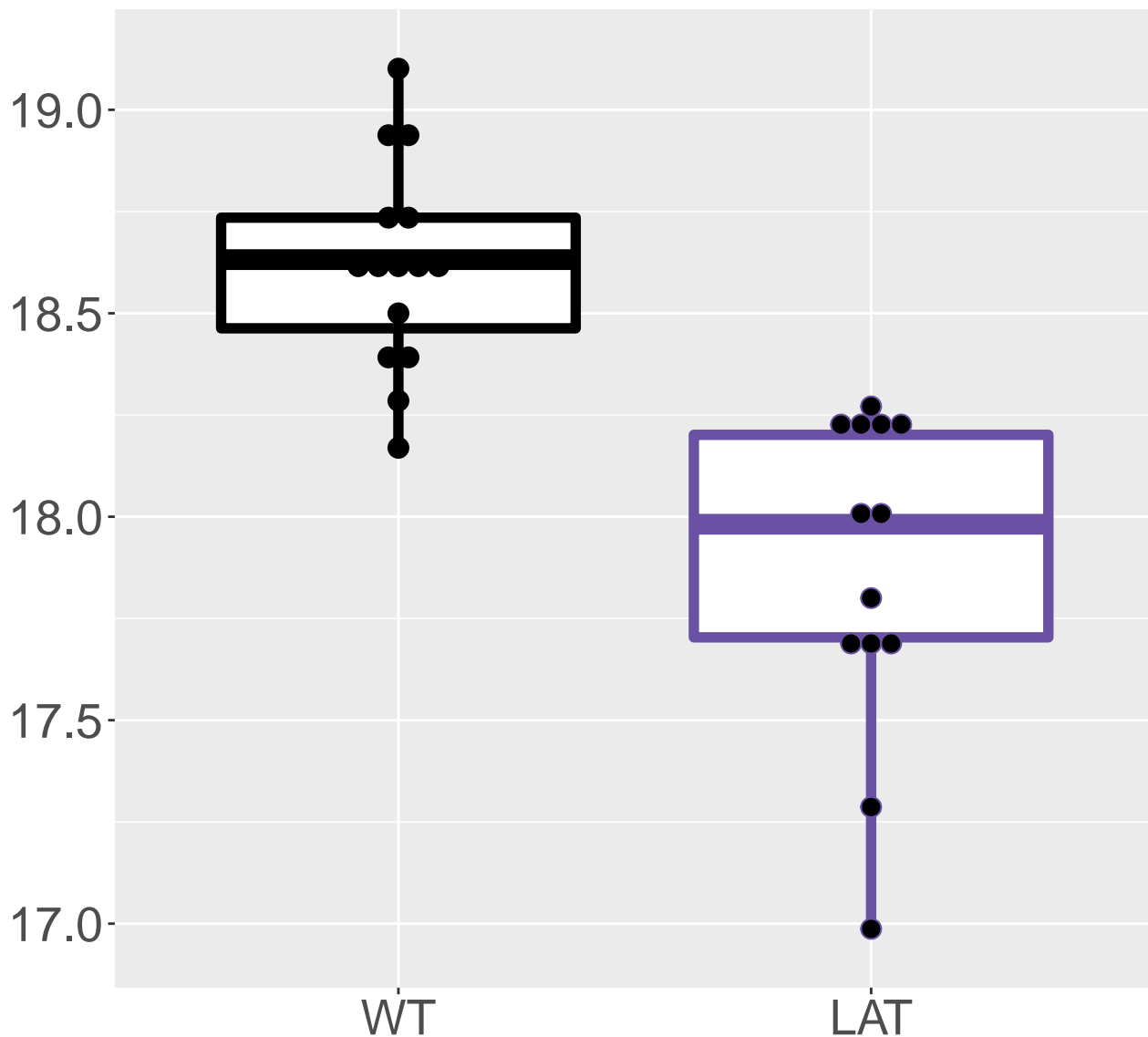
**M287.1794T213.81**

**FDR = 0.00011, FC = -1.7**

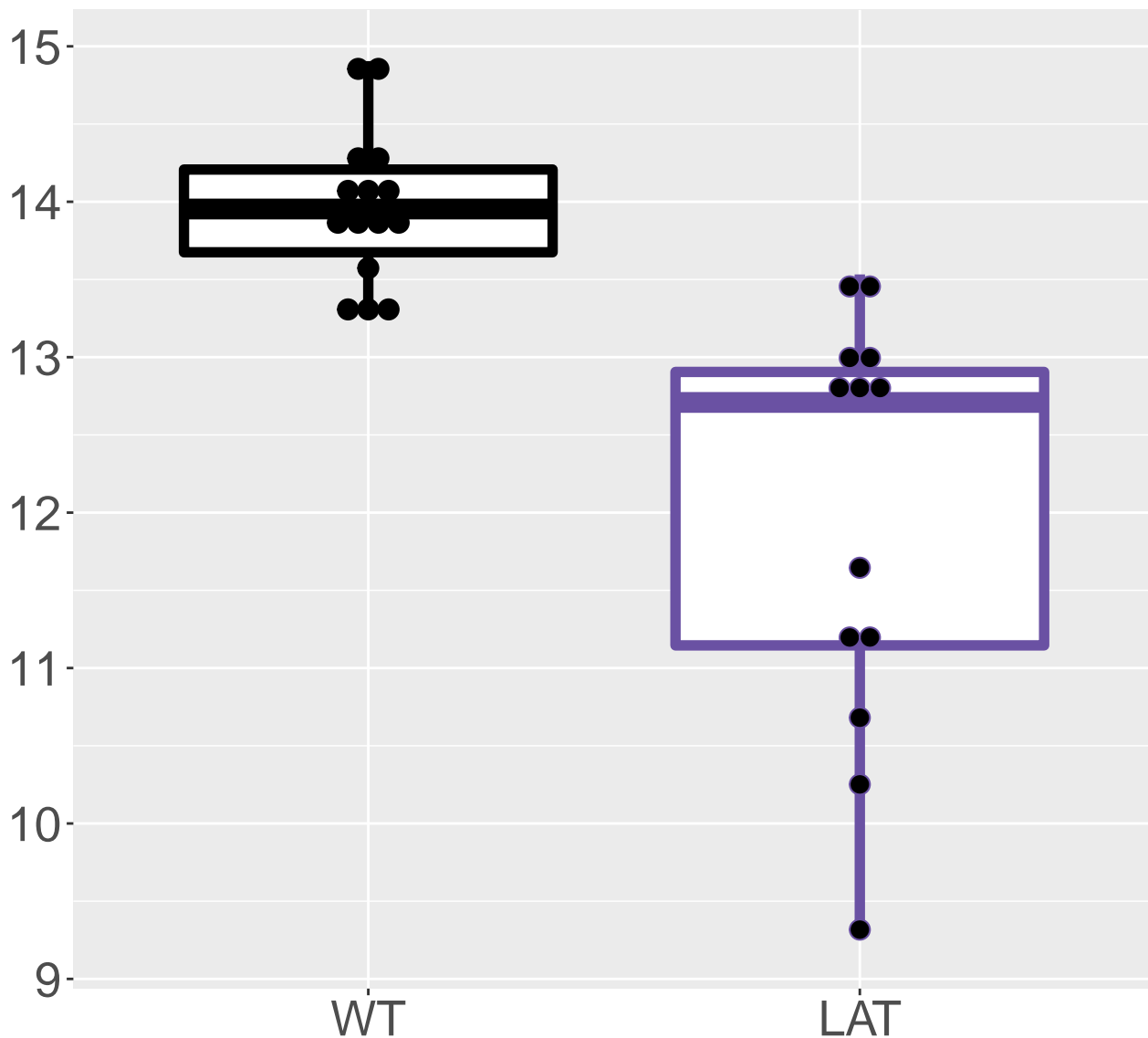


**M205.0985T258.97**

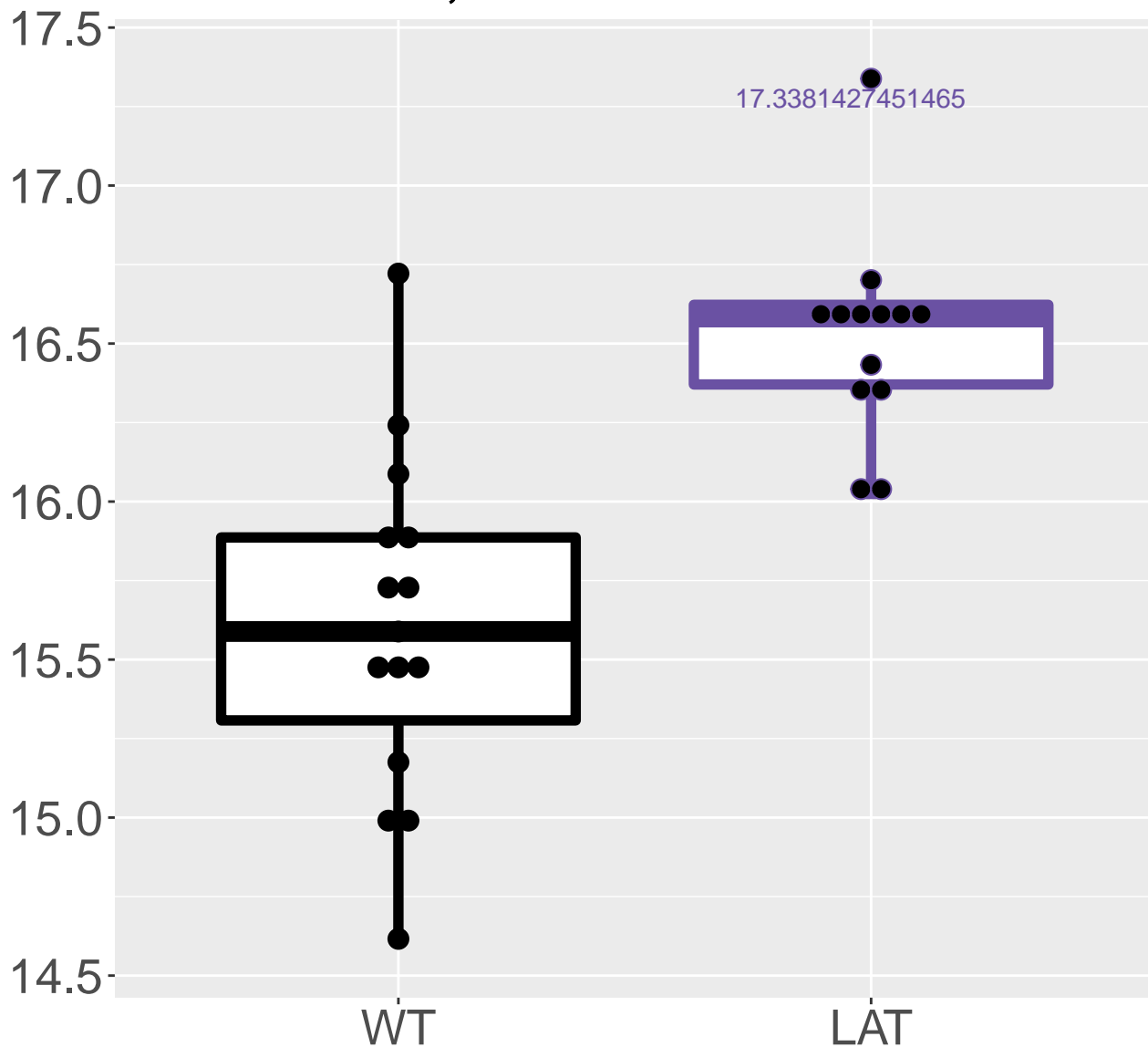
**FDR = 0.00011, FC = -0.75**



**M519.7824T313.88\_2**  
**FDR = 0.00012, FC = -2**



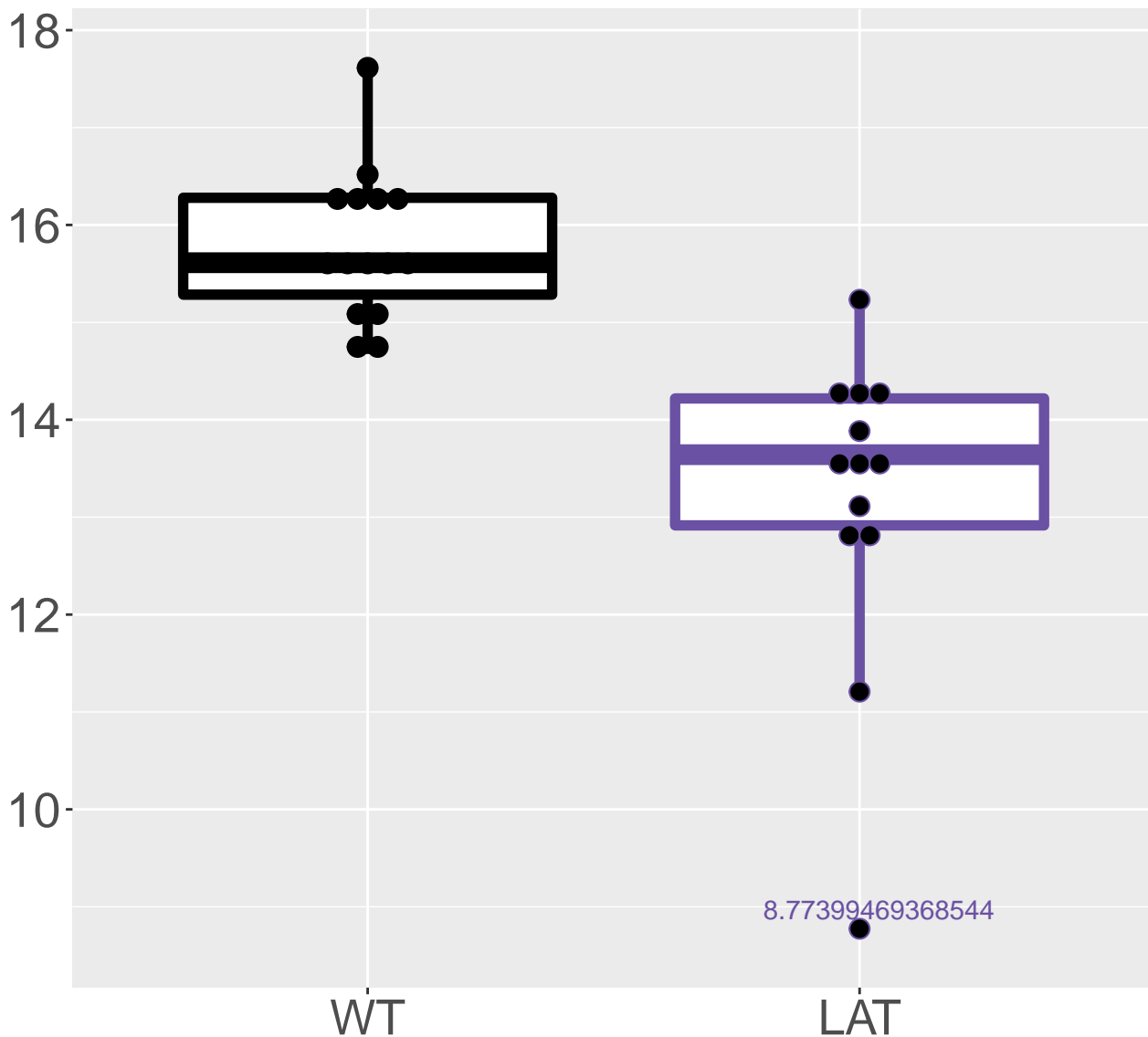
**ADP-glucose;Adenosine diphosphoglucose;A**  
**FDR = 0.00012, FC = 0.93**



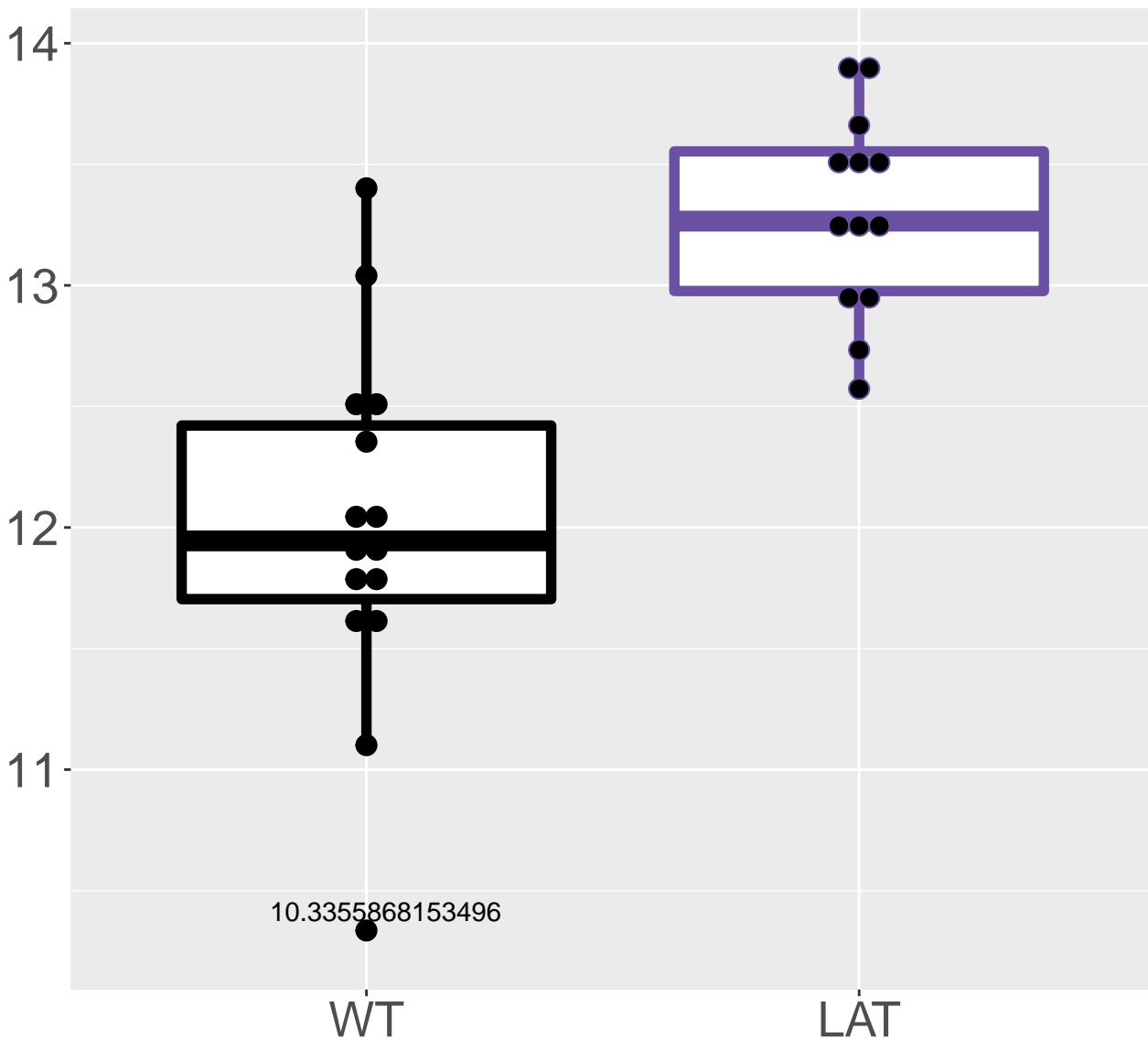


**M471.2623T327.63\_2**

**FDR = 0.00012, FC = -2.6**

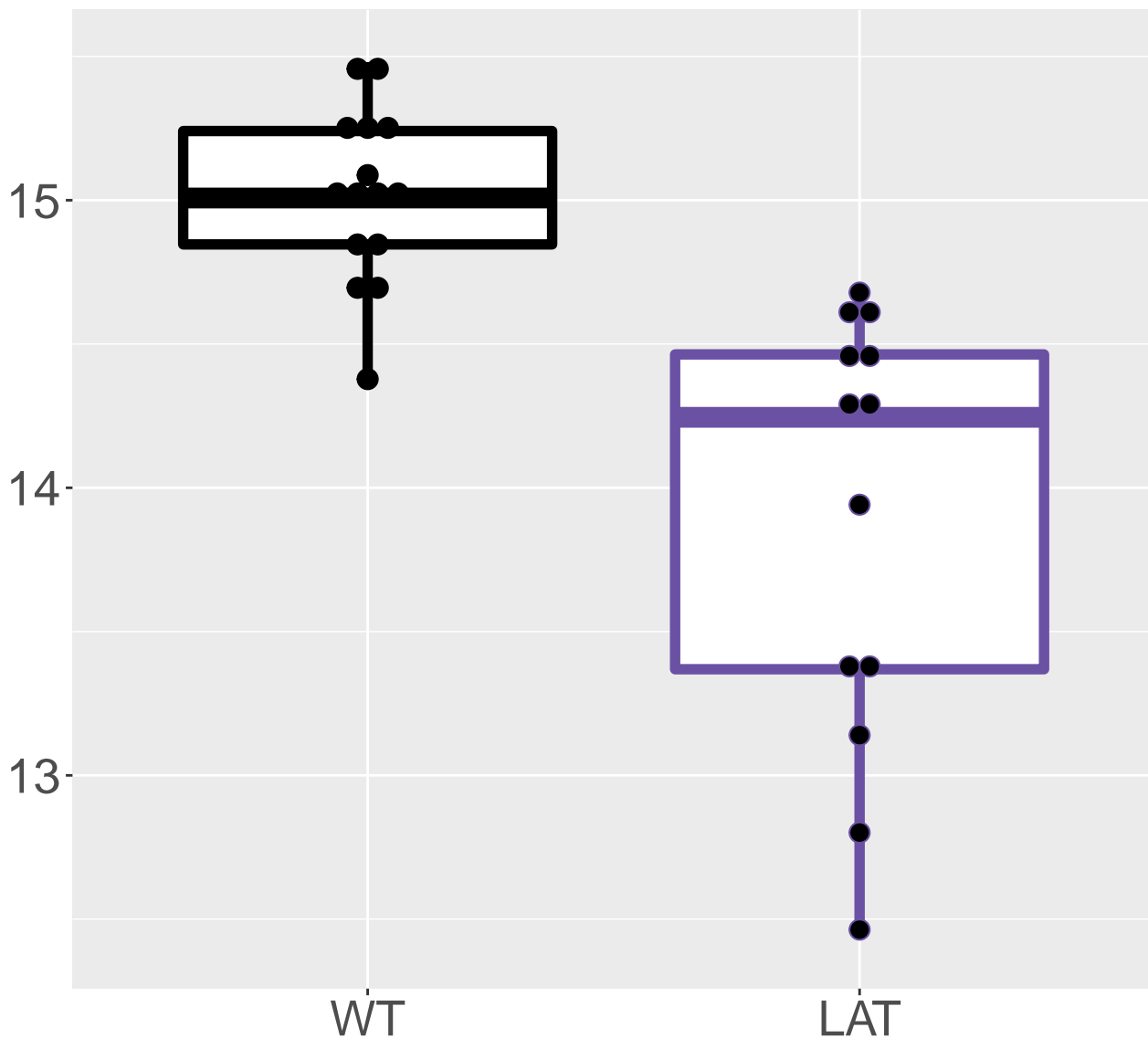


**M610.2866T138.2**  
**FDR = 0.00012, FC = 1.3**



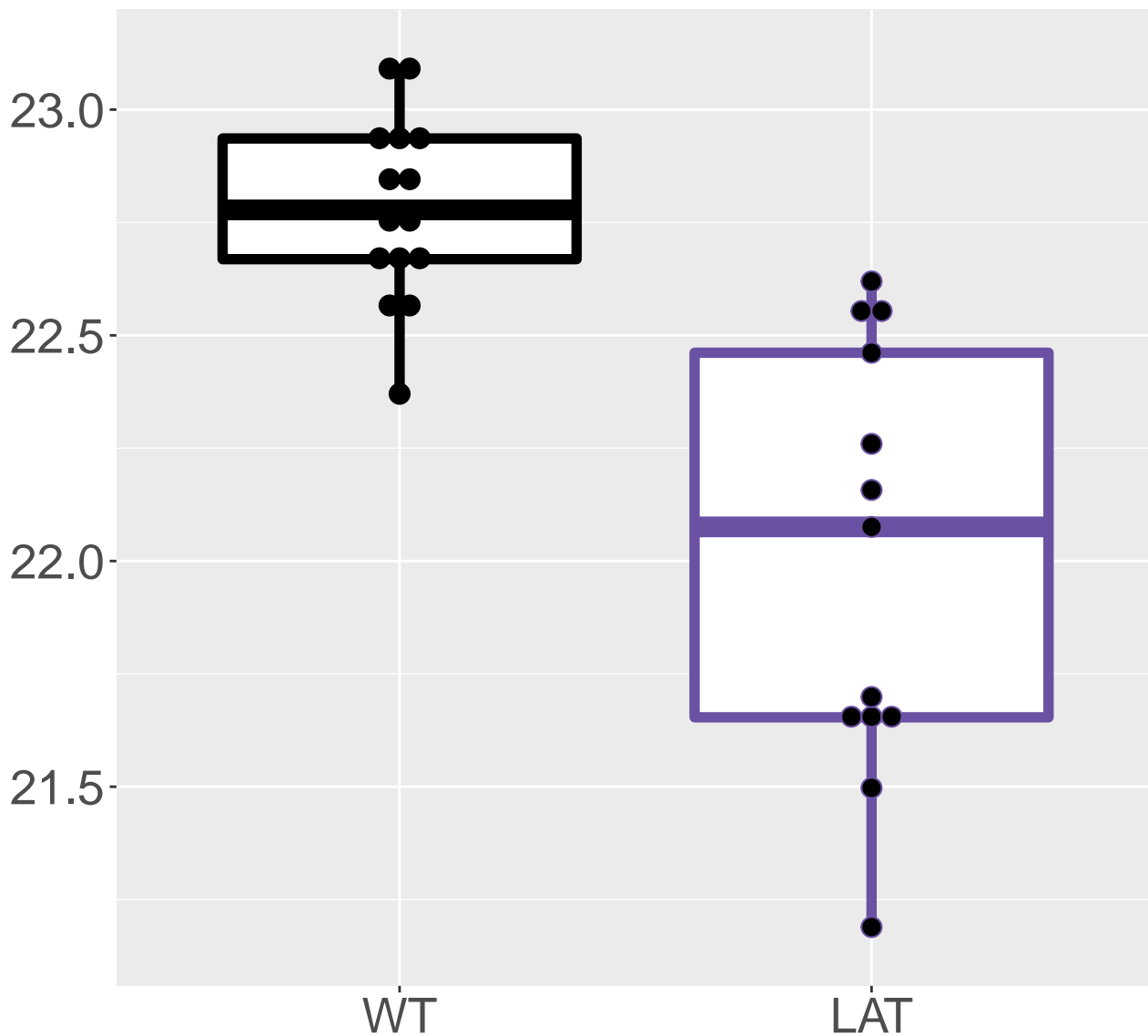
**M585.22T52.39**

**FDR = 0.00012, FC = -1.1**



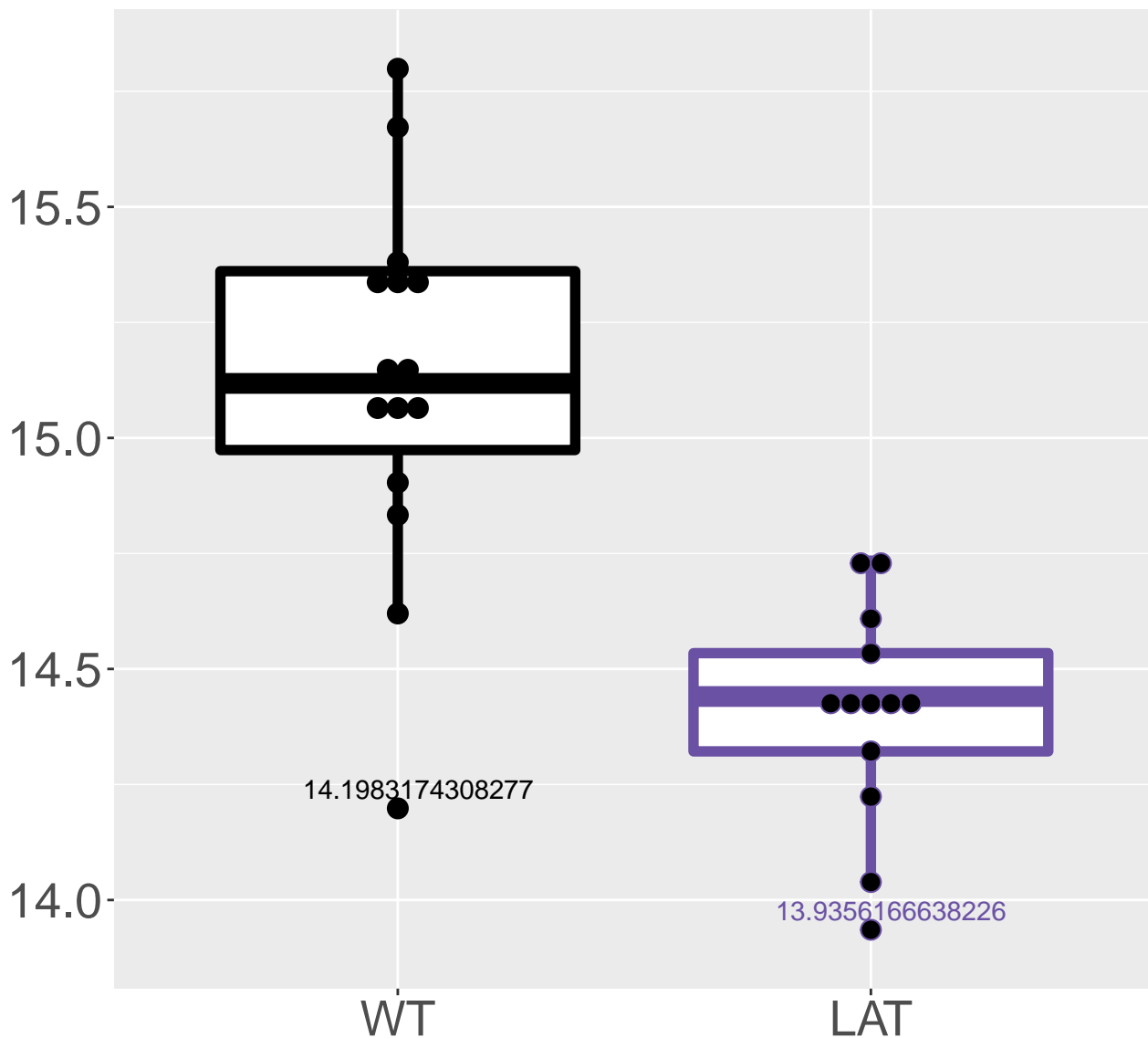
**M286.0981T60.99**

**FDR = 0.00012, FC = -0.78**

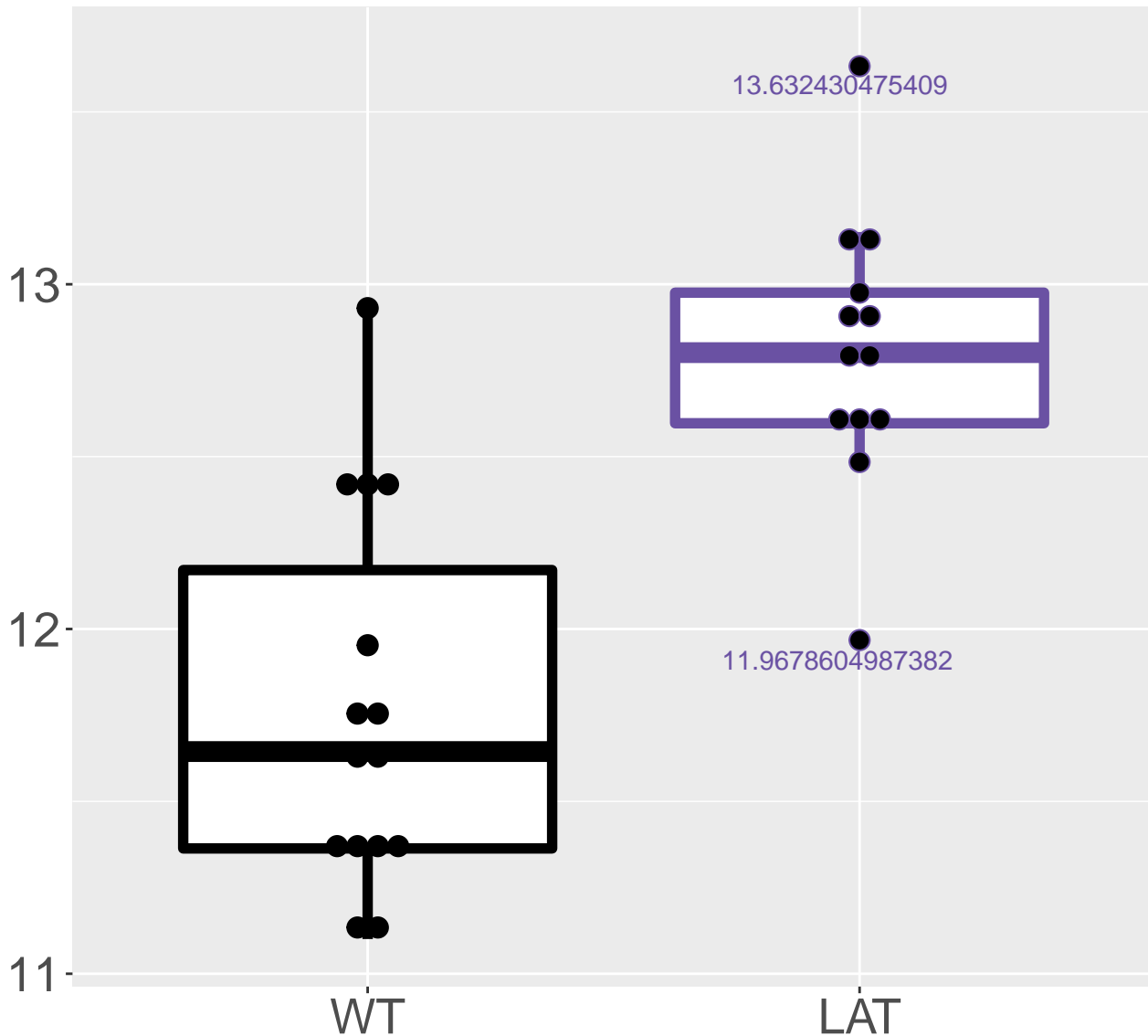


**M693.2295T296.75\_5**

**FDR = 0.00012, FC = -0.72**

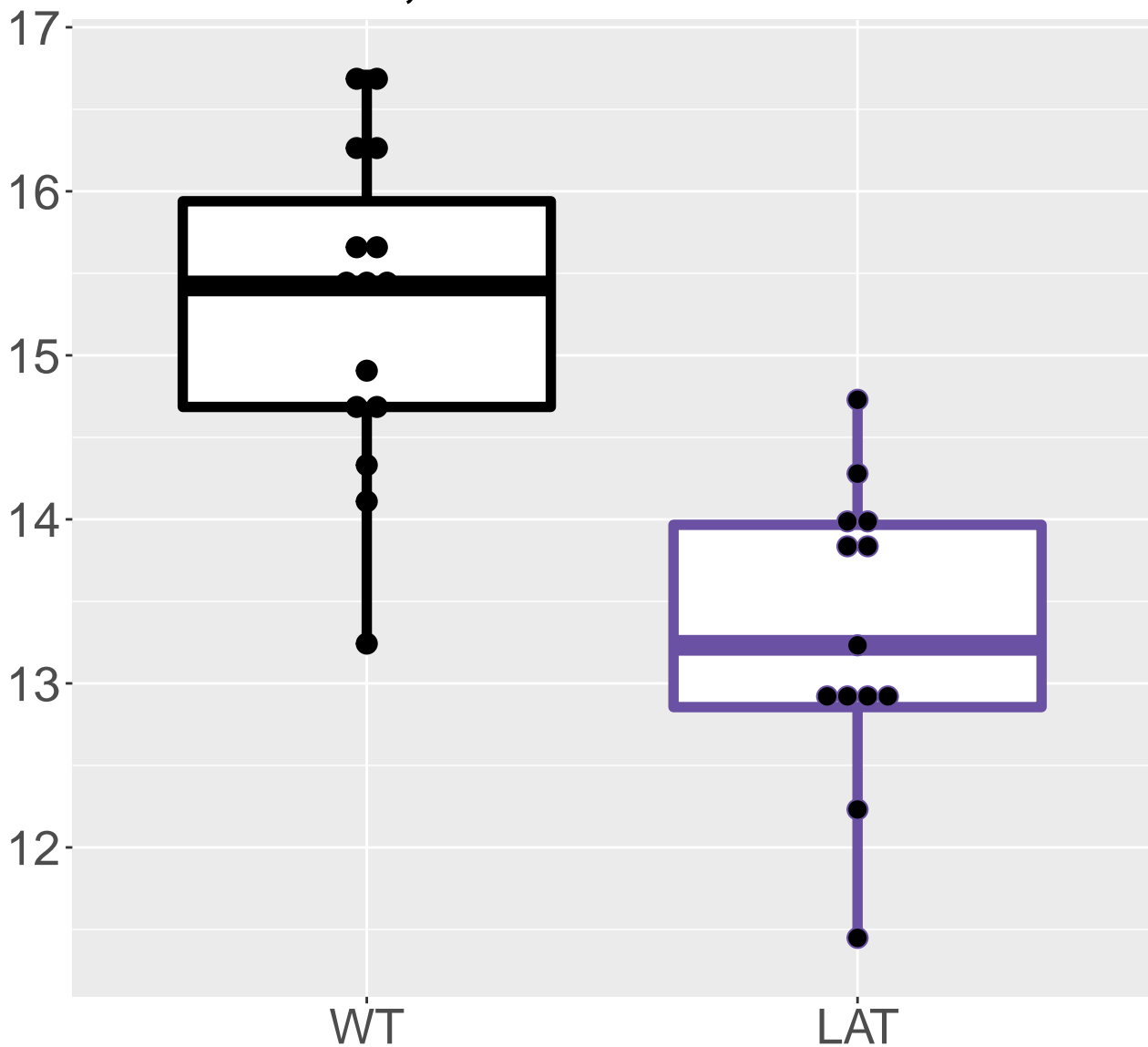


**M476.231T140.64**  
**FDR = 0.00012, FC = 1**



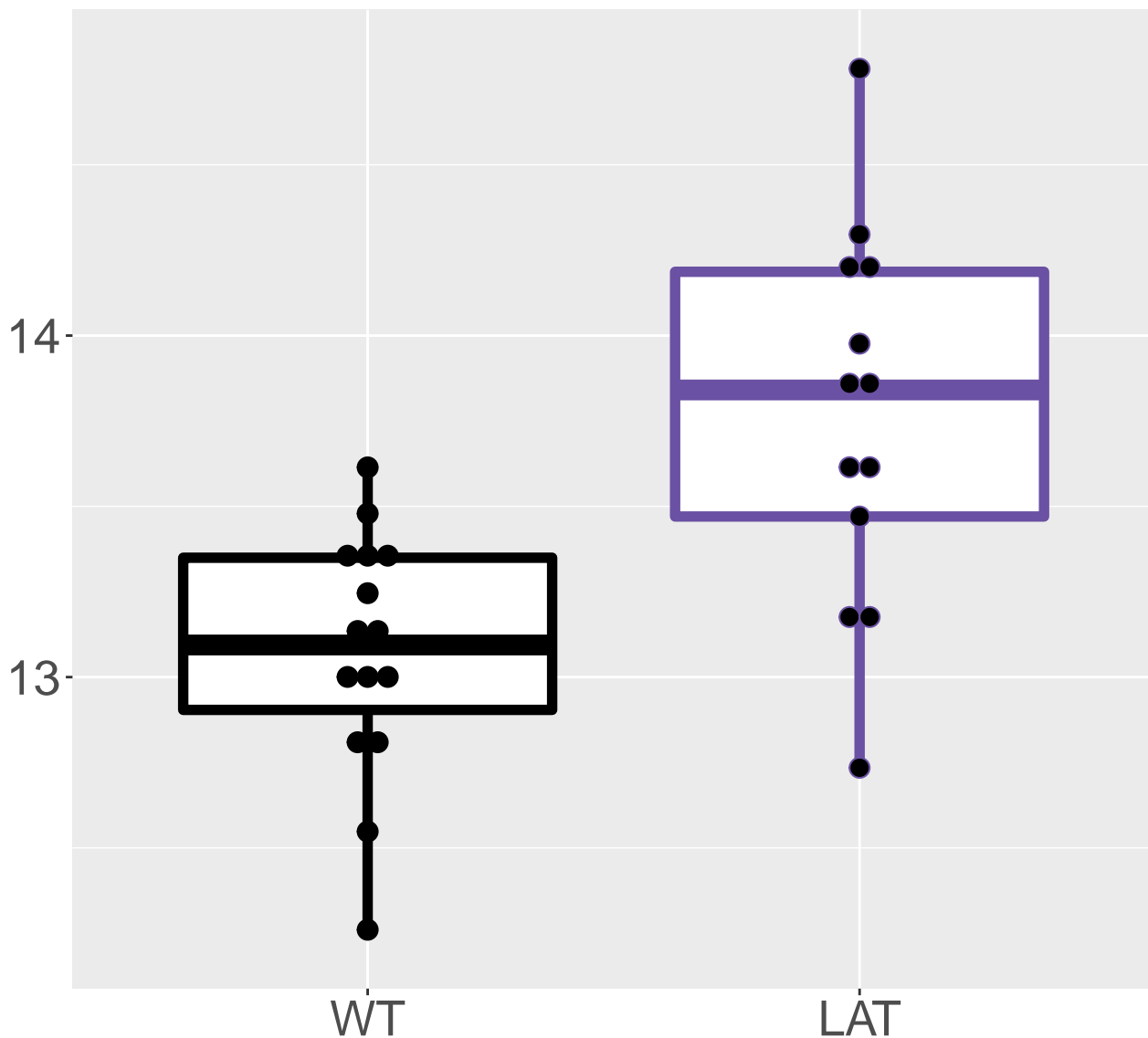
**M549.2754T268.01\_2**

**FDR = 0.00012, FC = -2**



**M476.6038T267.9**

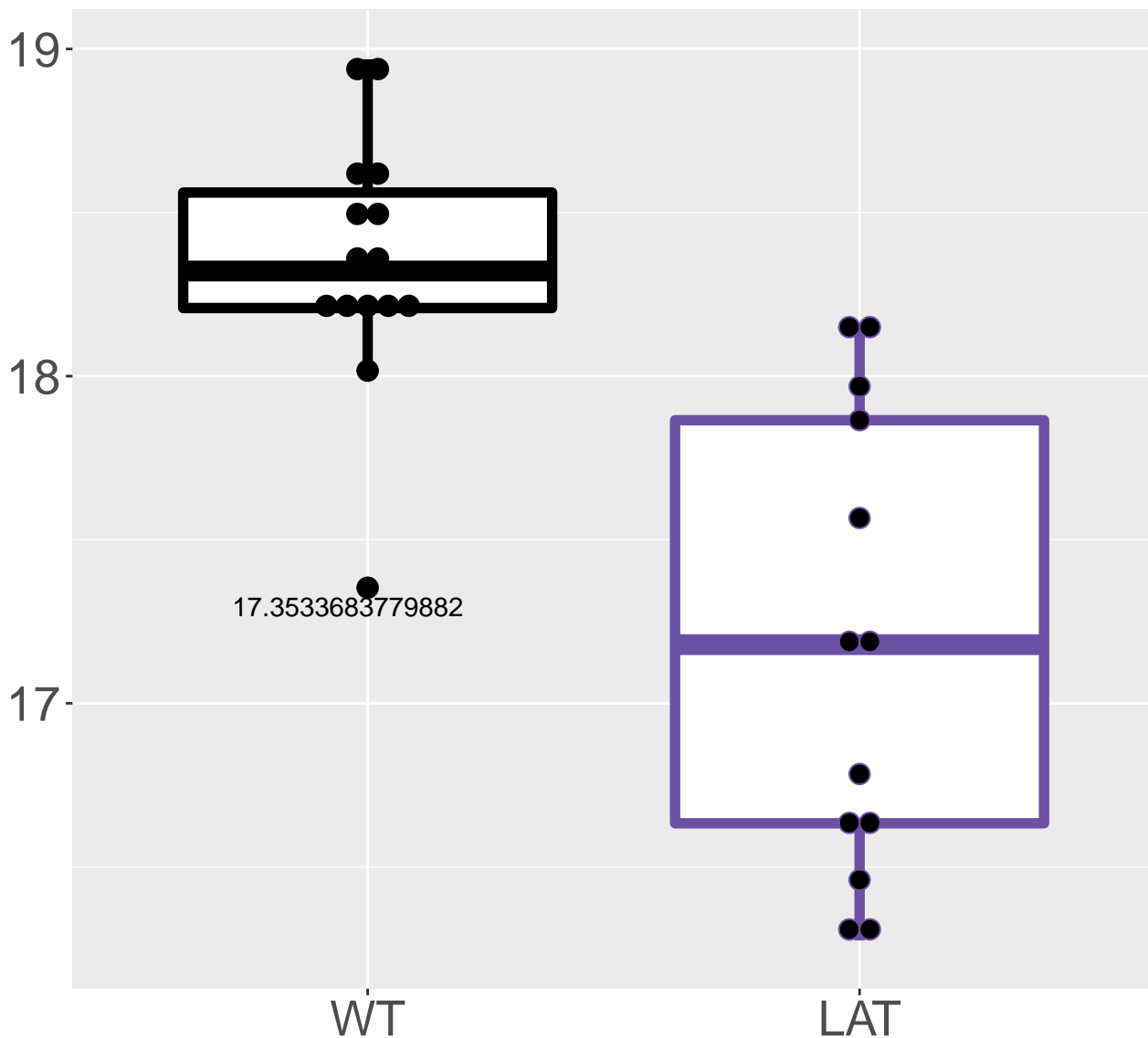
**FDR = 0.00012, FC = 0.69, sex\*\***





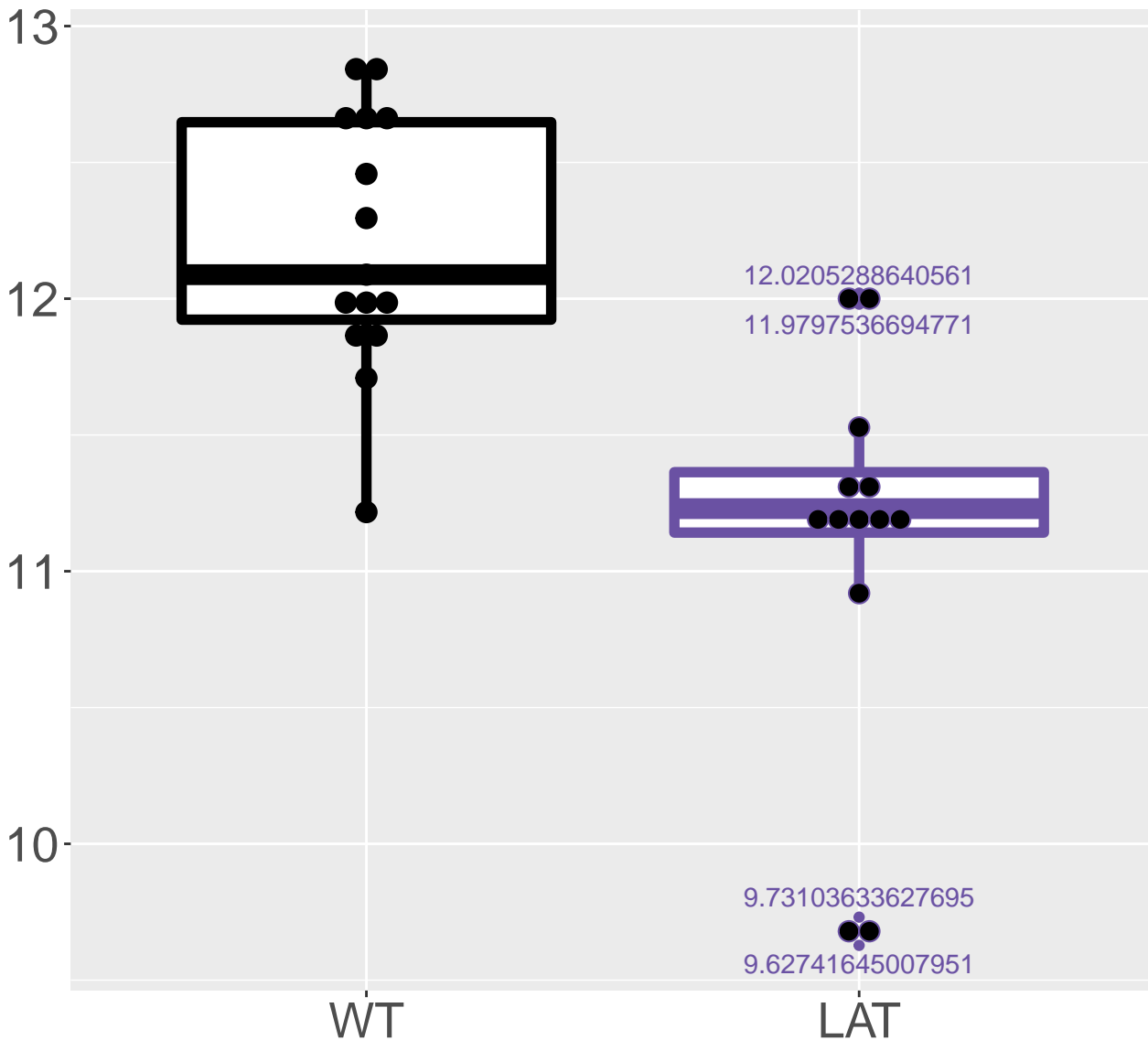
**M612.2175T68.42**

**FDR = 0.00012, FC = -1.2**



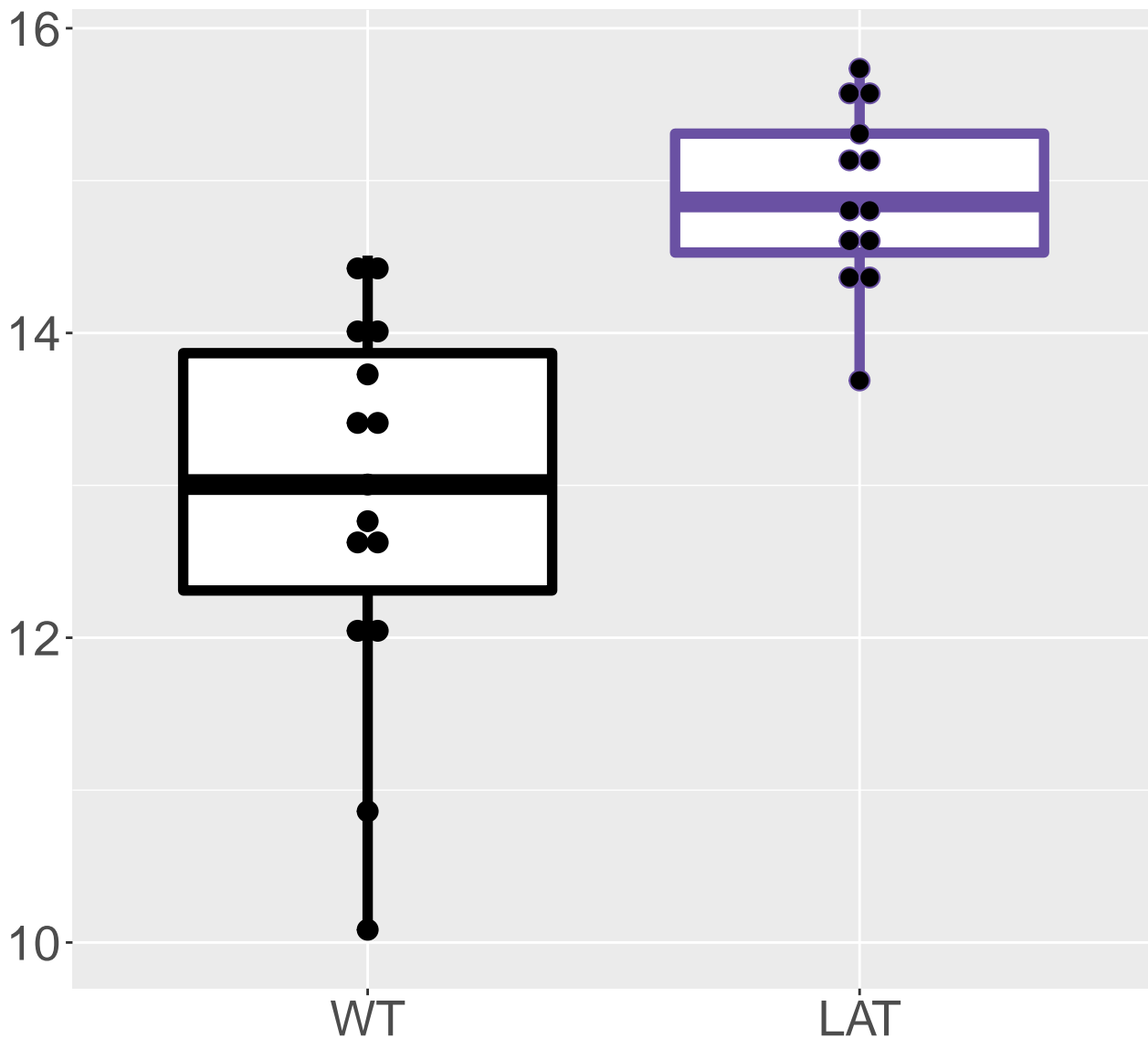
**M314.0576T141.89**

**FDR = 0.00012, FC = -1.1**

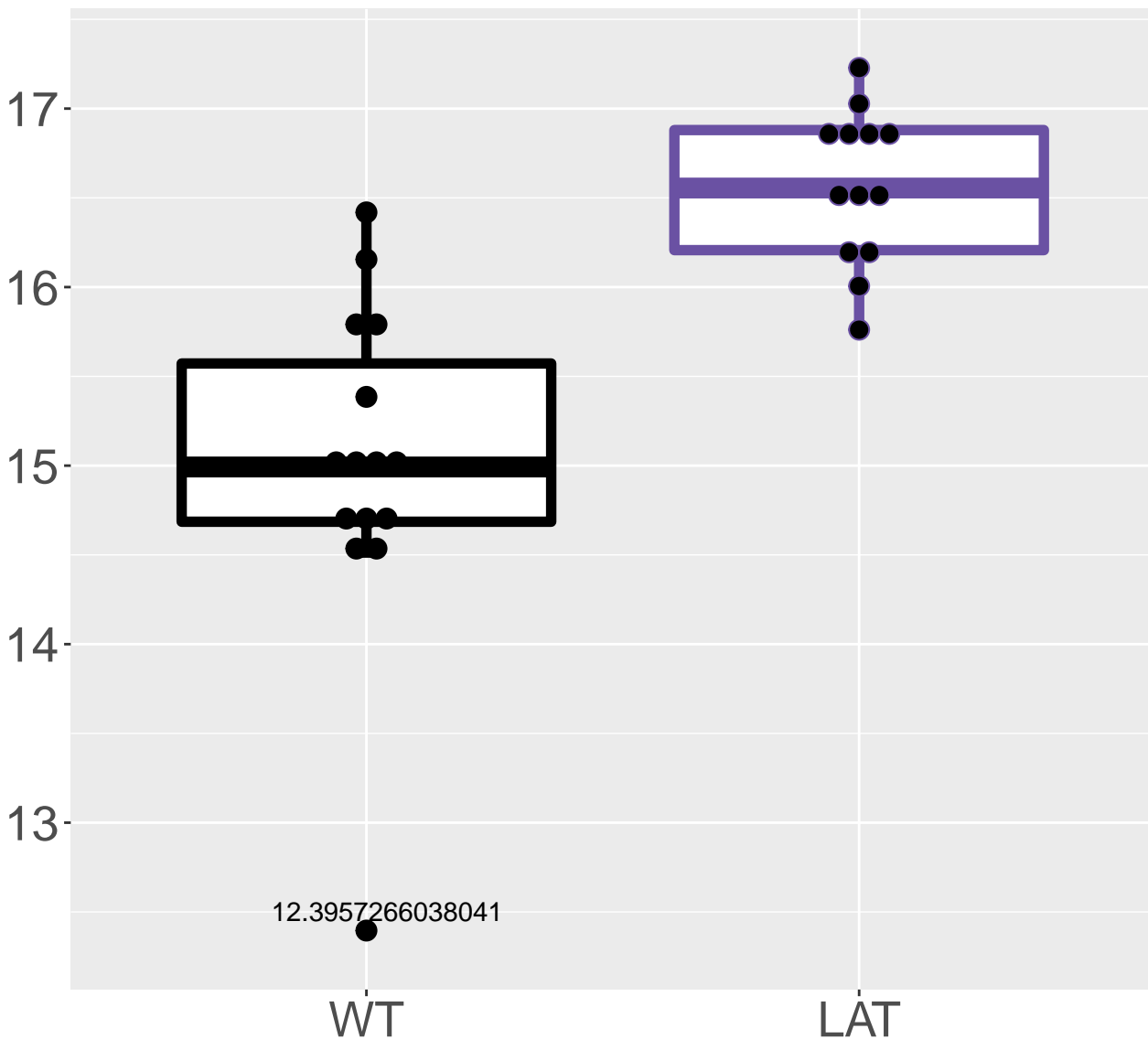


**M630.9124T367.38**

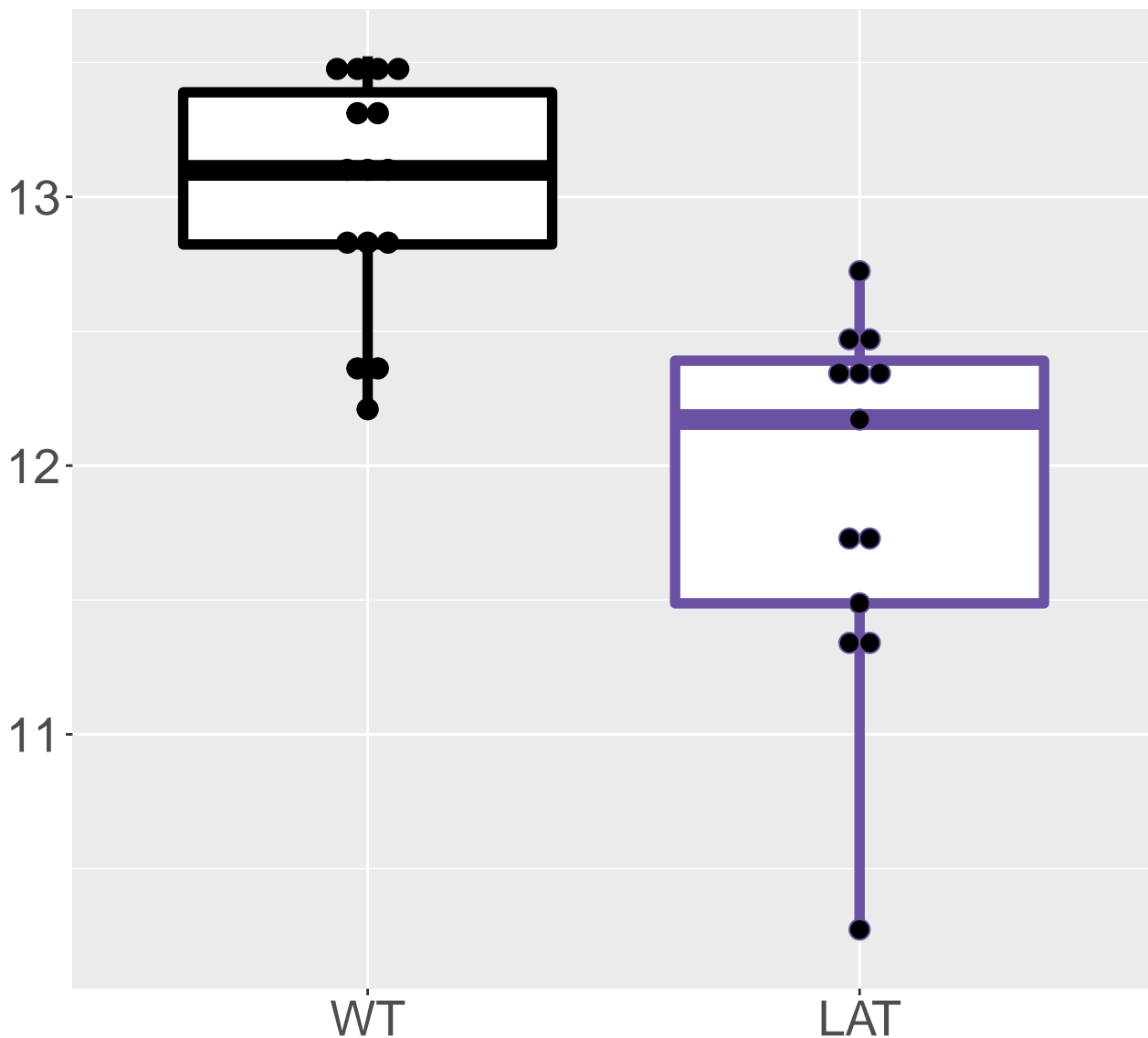
**FDR = 0.00013, FC = 2**



**FDR = 0.00013, FC = 1.6**

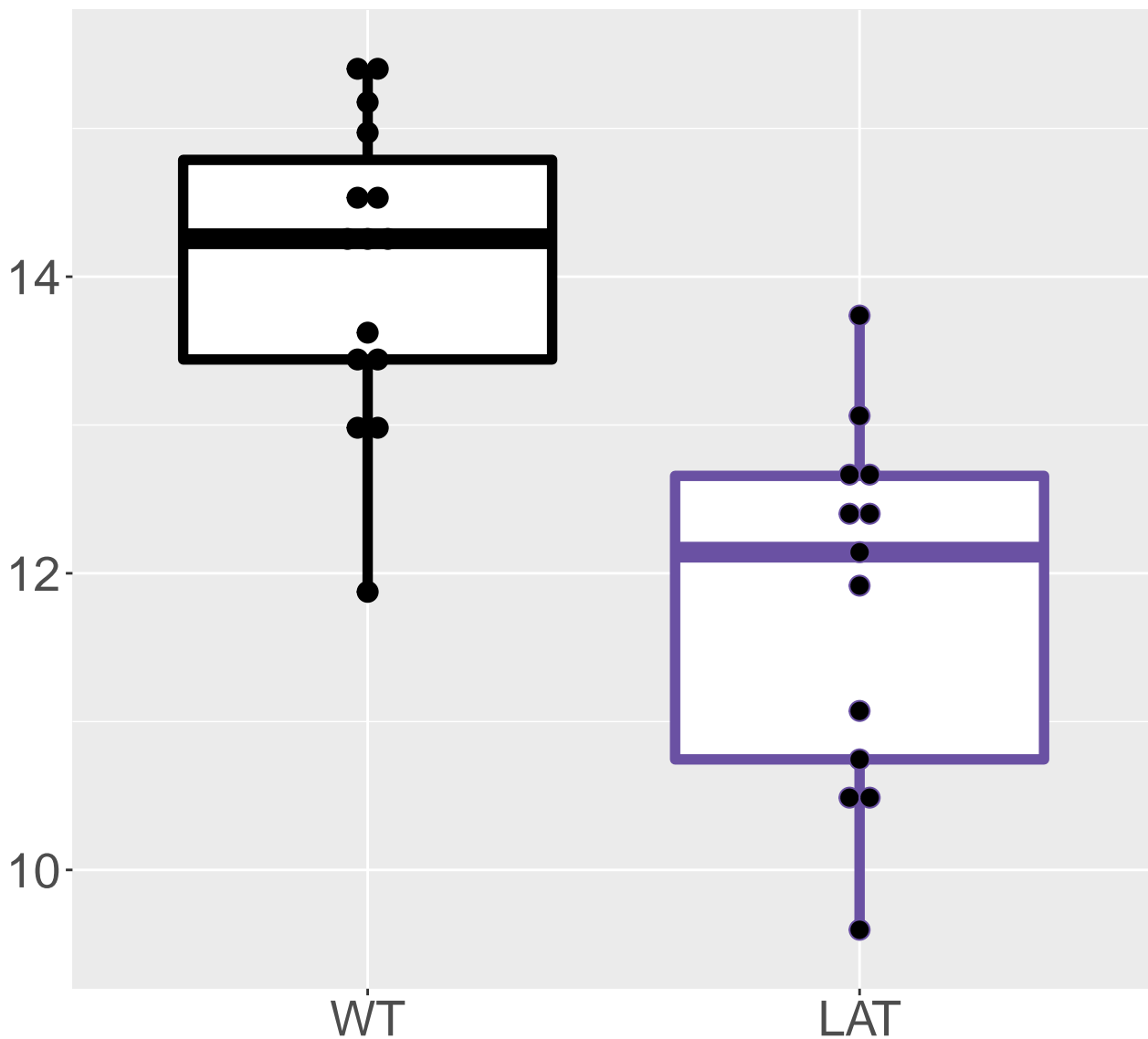


**M453.8993T202.51\_1**  
**FDR = 0.00013, FC = -1.1**



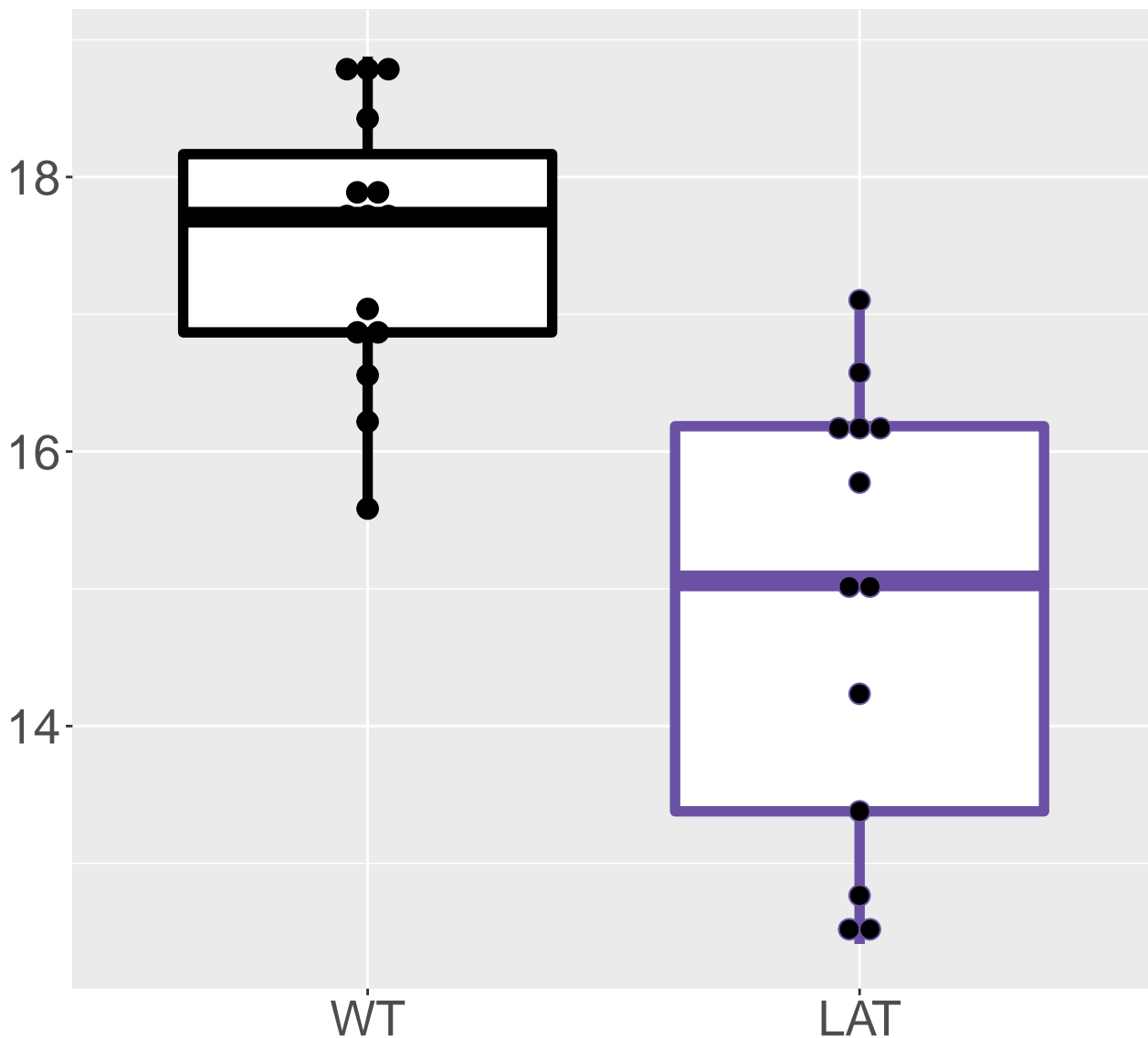
**M549.6096T267.91\_1**

**FDR = 0.00013, FC = -2.3**

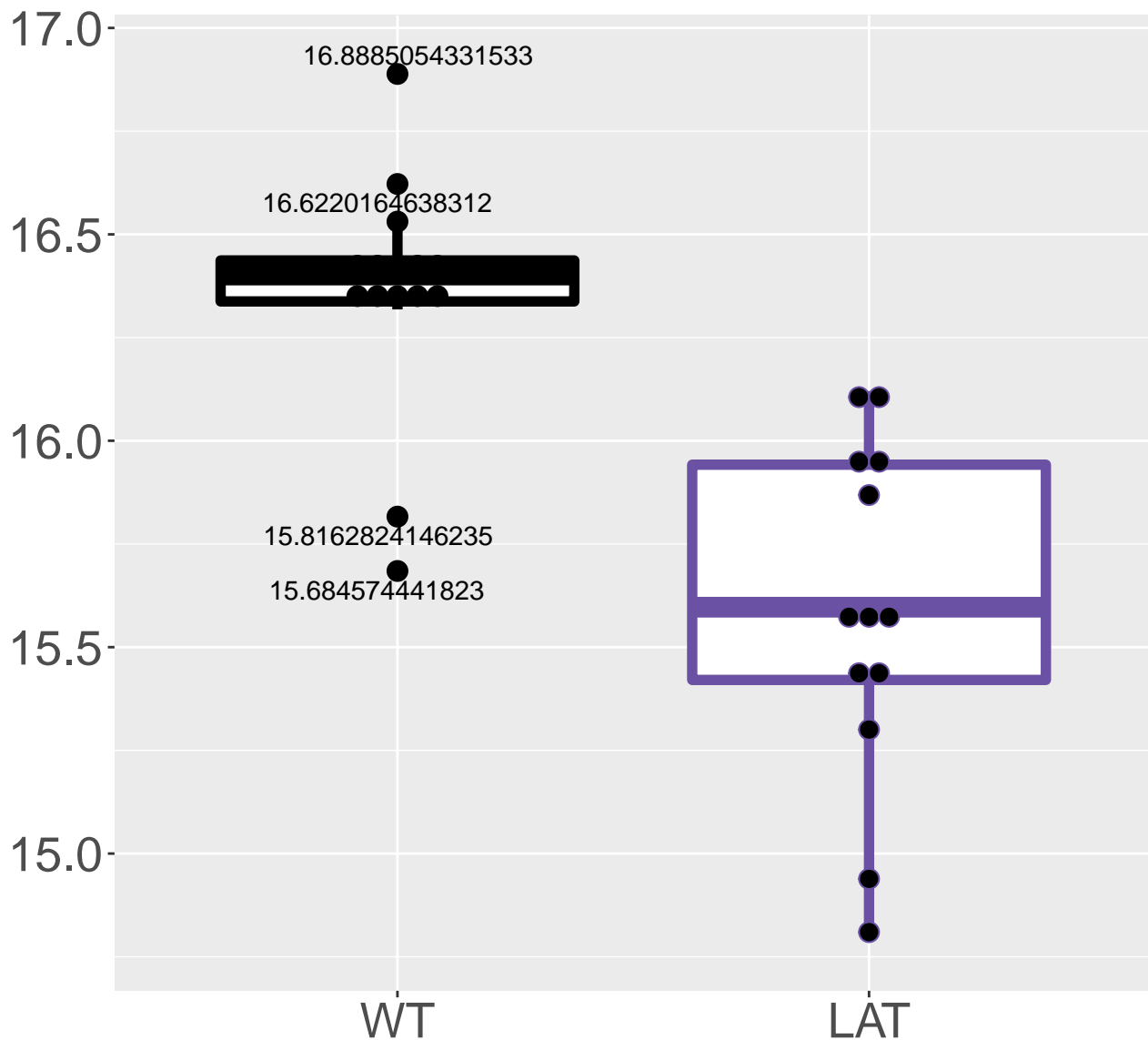


**M412.2086T268.15\_2**

**FDR = 0.00013, FC = -2.6**



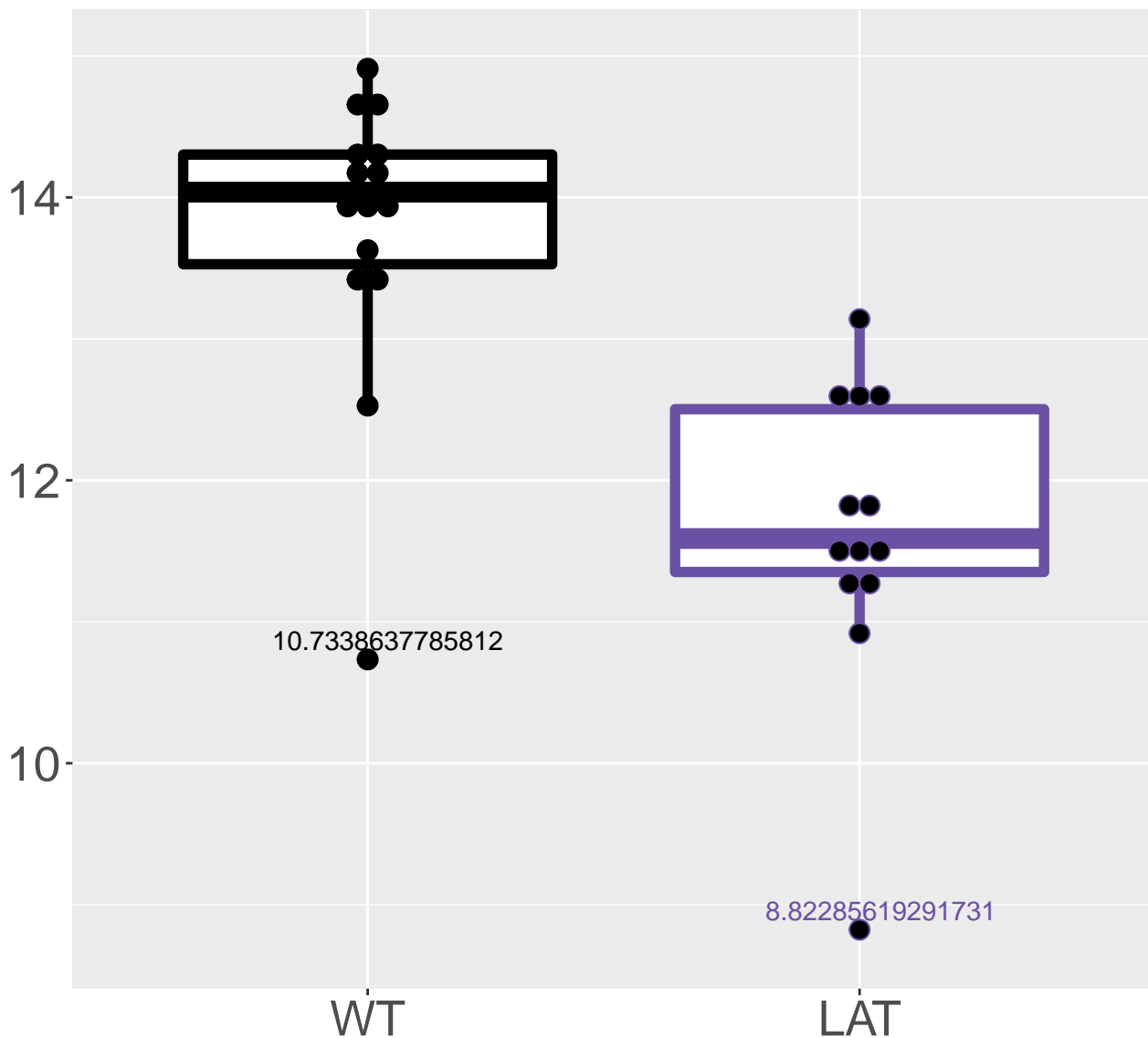
**M126.4822T75.49\_10**  
**FDR = 0.00013, FC = -0.77**



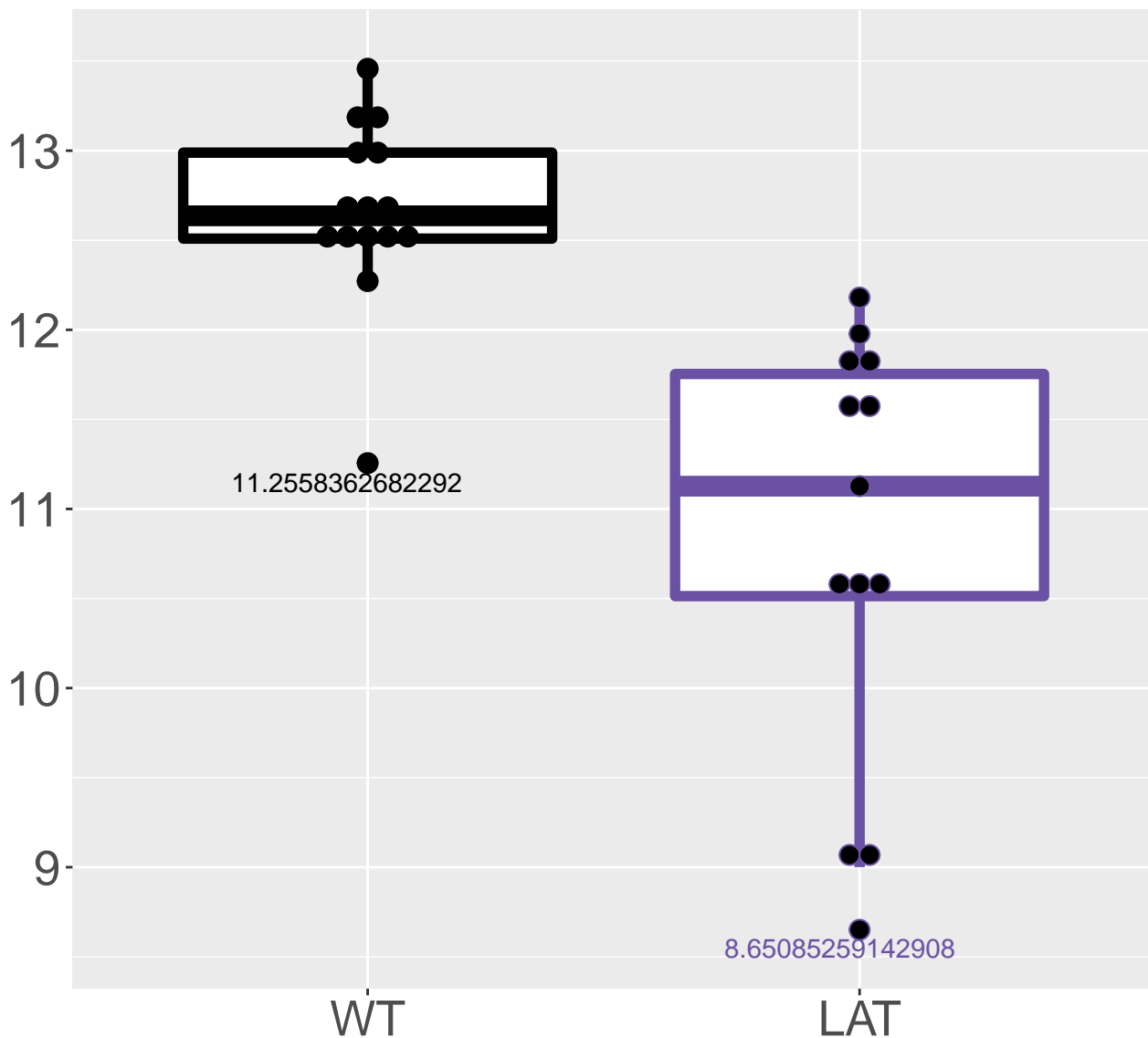


**M436.5789T338.97**

**FDR = 0.00014, FC = -2.1**

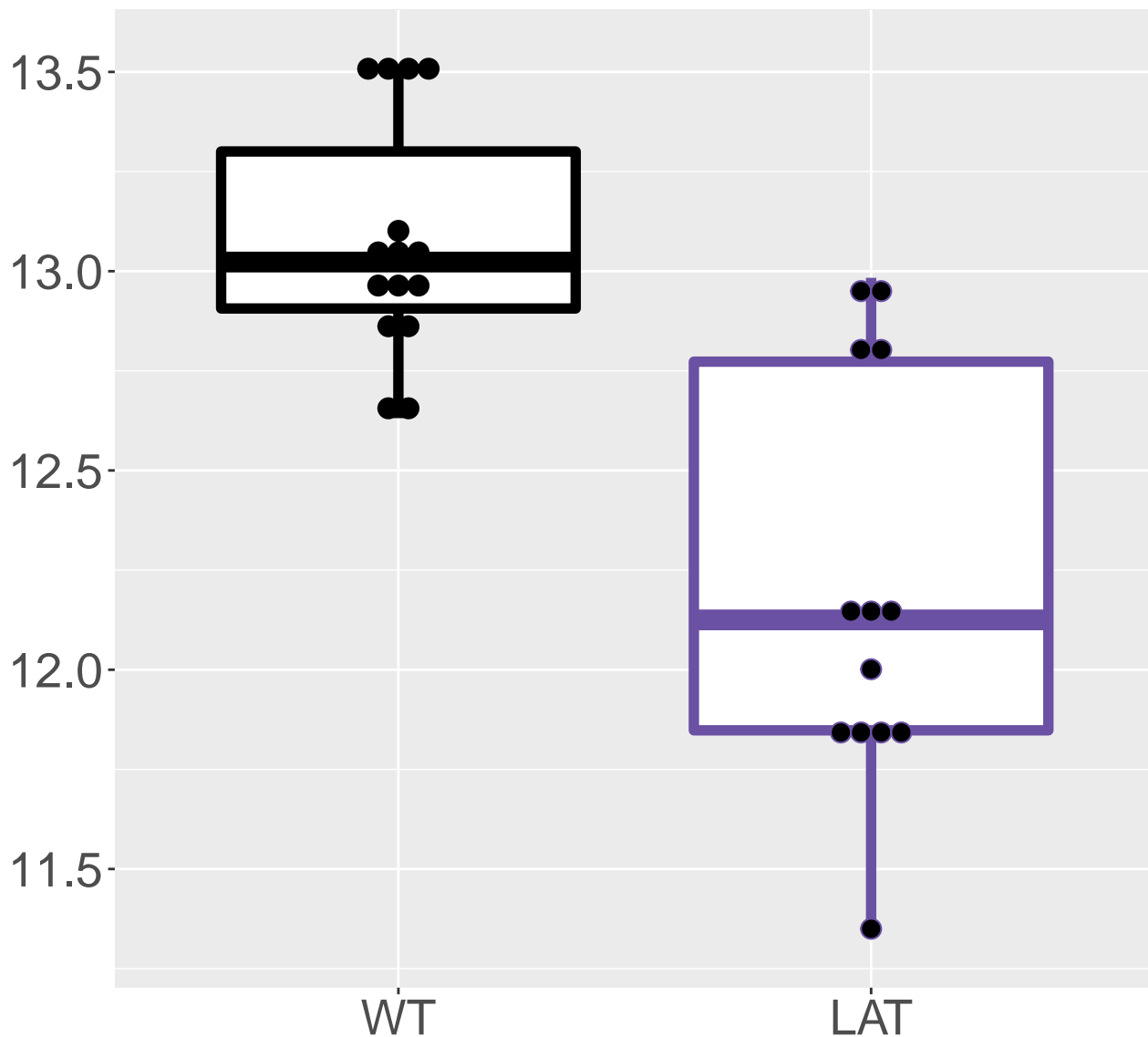


**FDR = 0.00014, FC = -1.8**



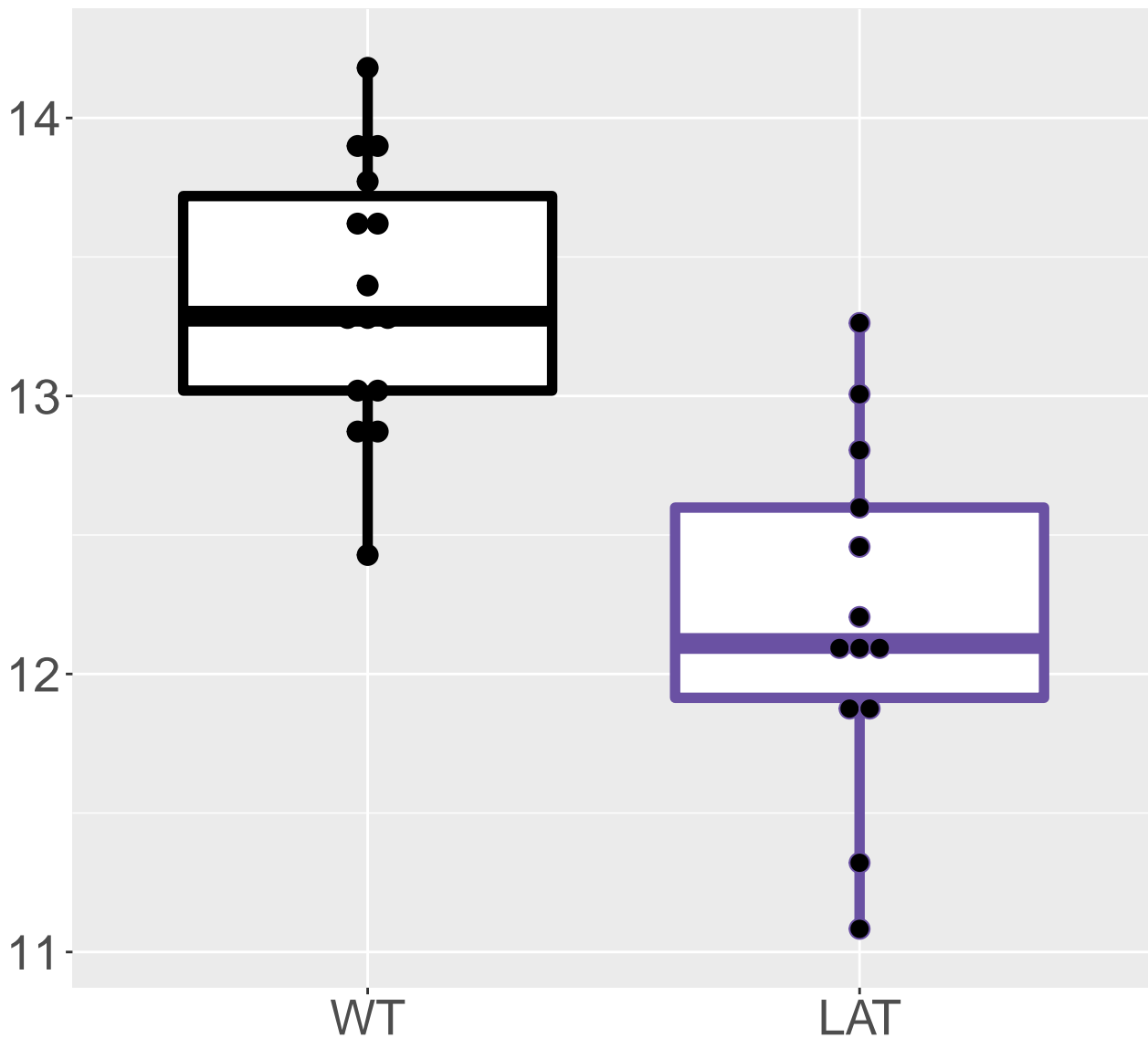
**M374.8941T248.93**

**FDR = 0.00014, FC = -0.88**



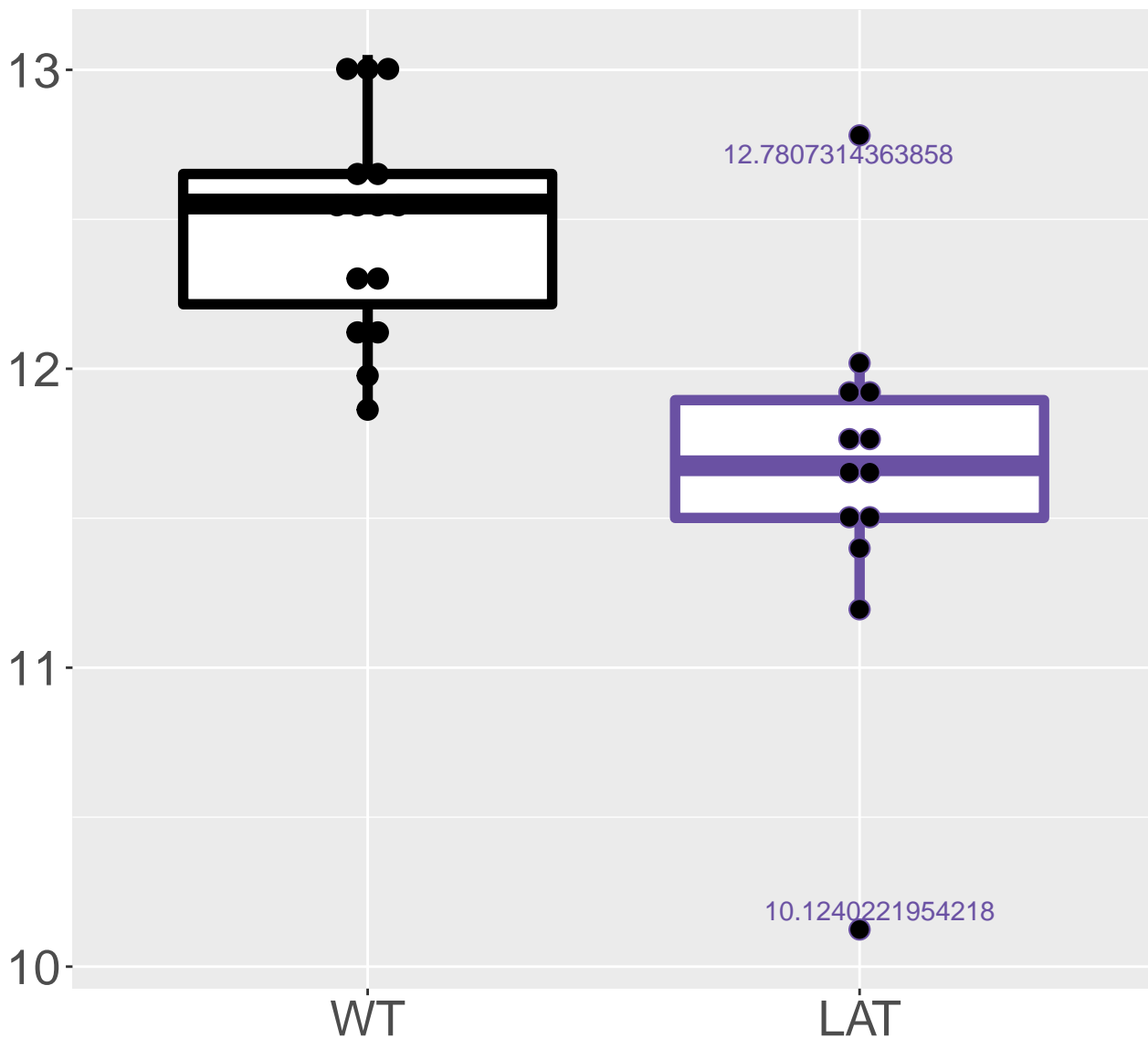
**M294.5297T279.02**

**FDR = 0.00014, FC = -1.1**

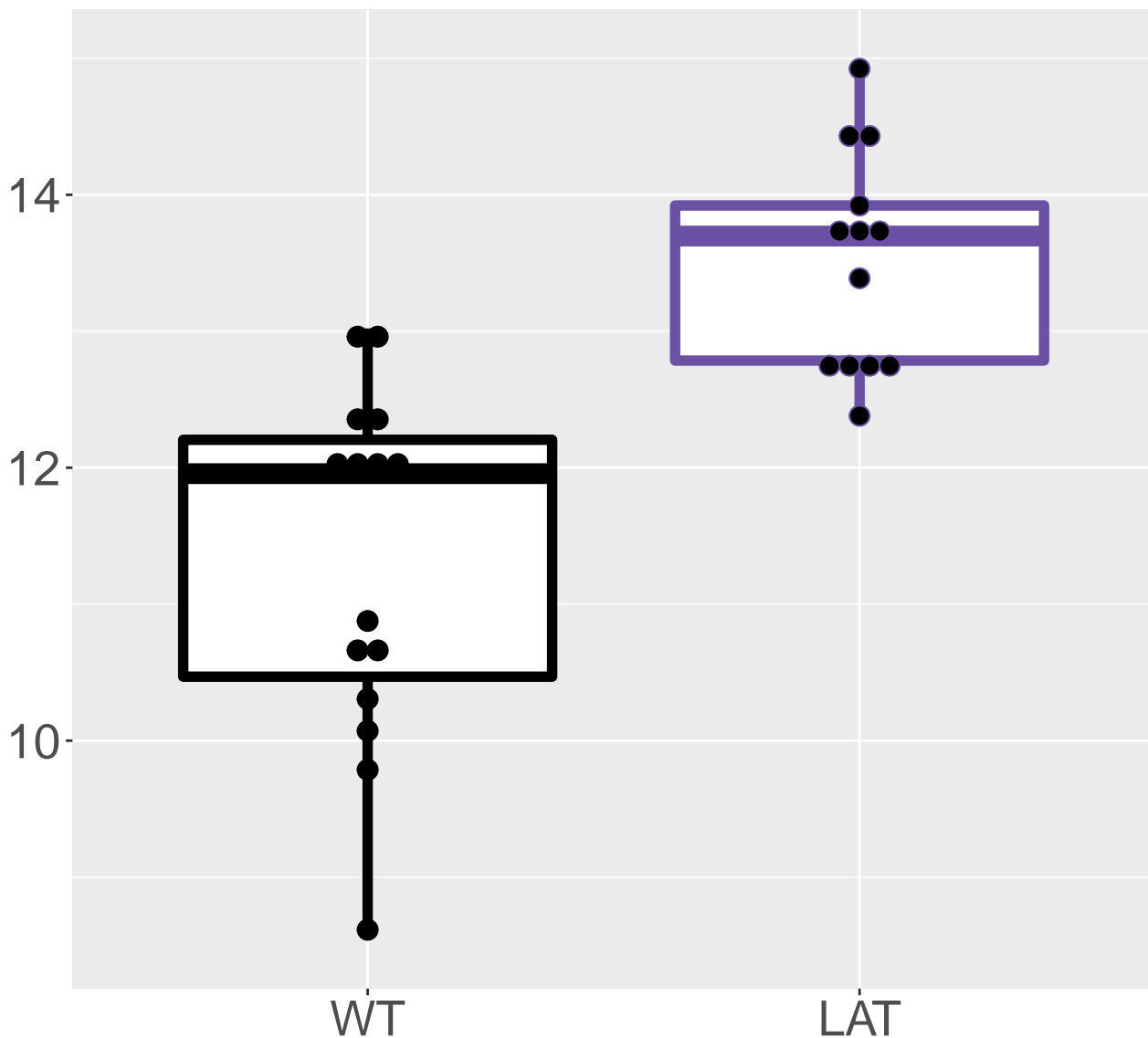


**M278.1722T141.95**

**FDR = 0.00014, FC = -0.85, sex\***

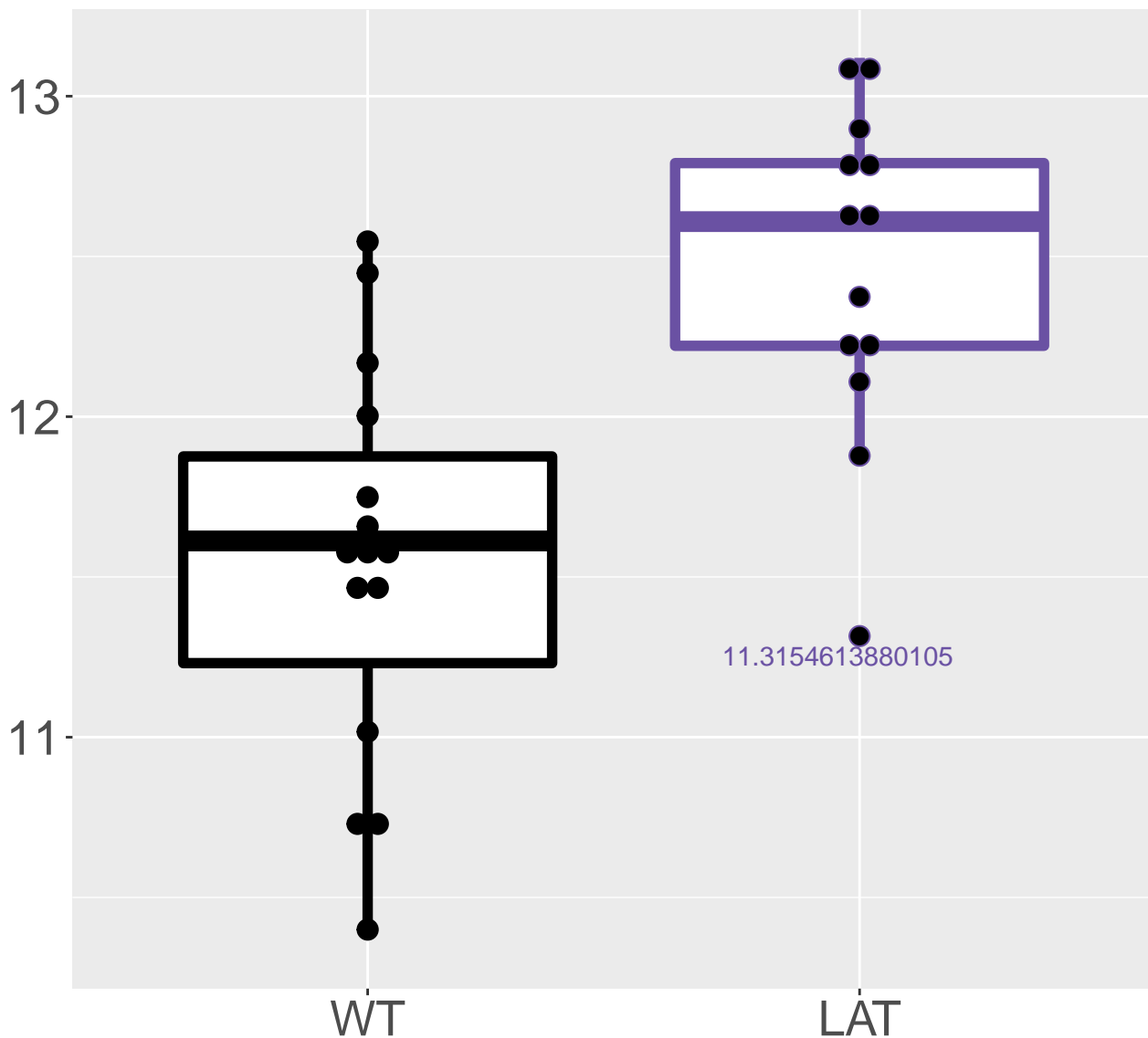


**M510.2373T242.51**  
**FDR = 0.00015, FC = 2.2**



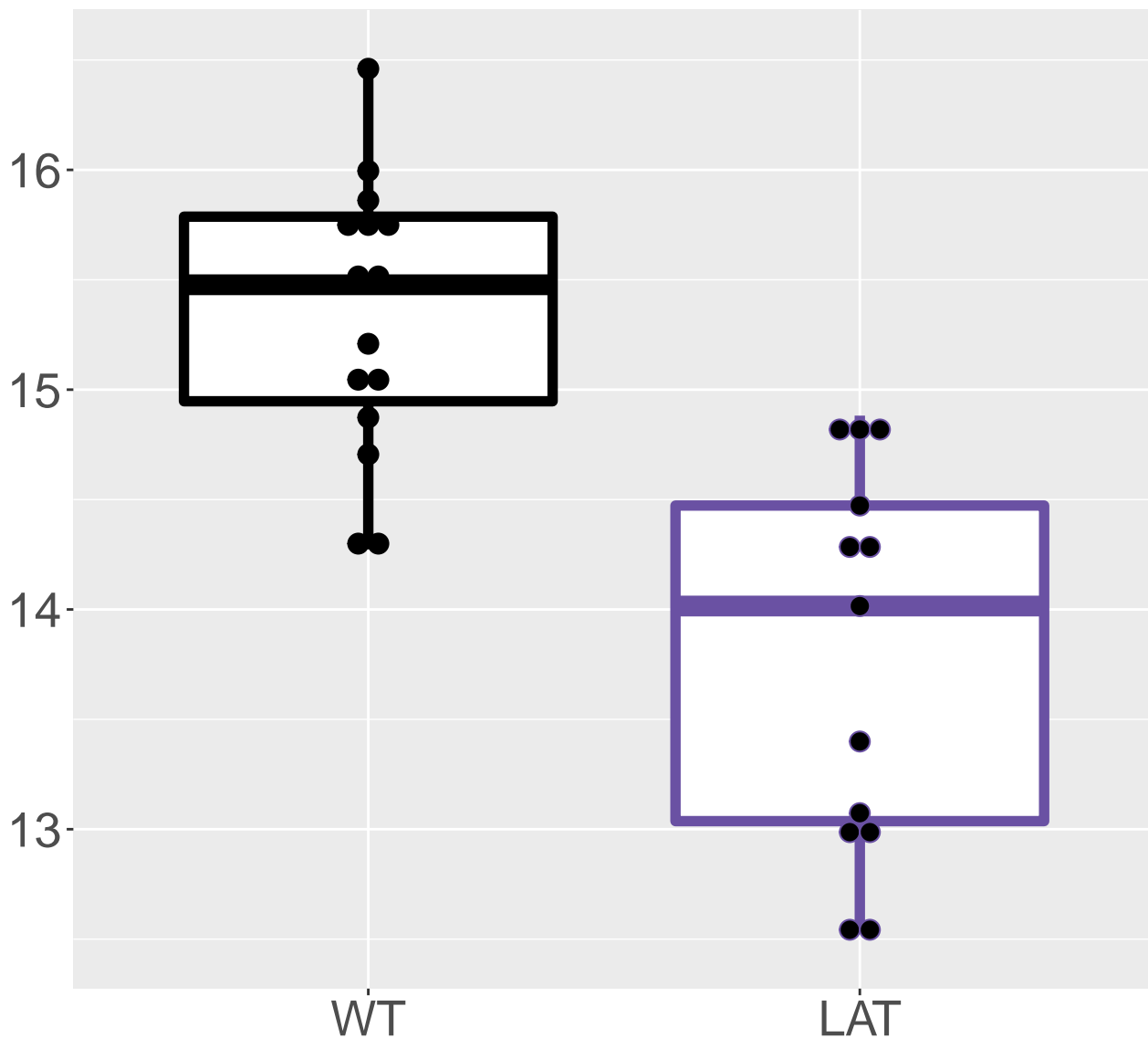
**M407.5587T248.12**

**FDR = 0.00015, FC = 0.92, sex\***



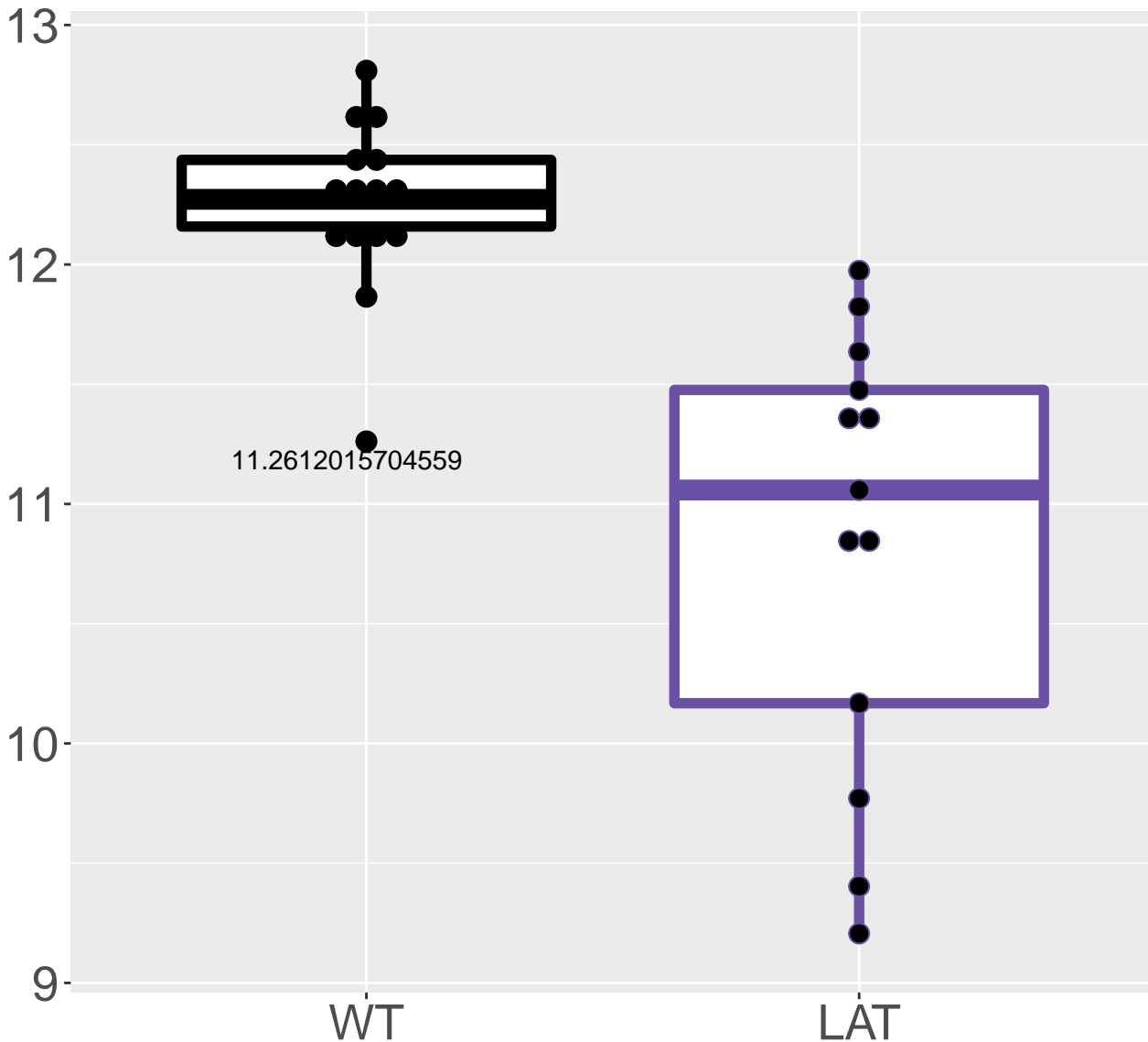
**M504.2847T236.47**

**FDR = 0.00016, FC = -1.6**



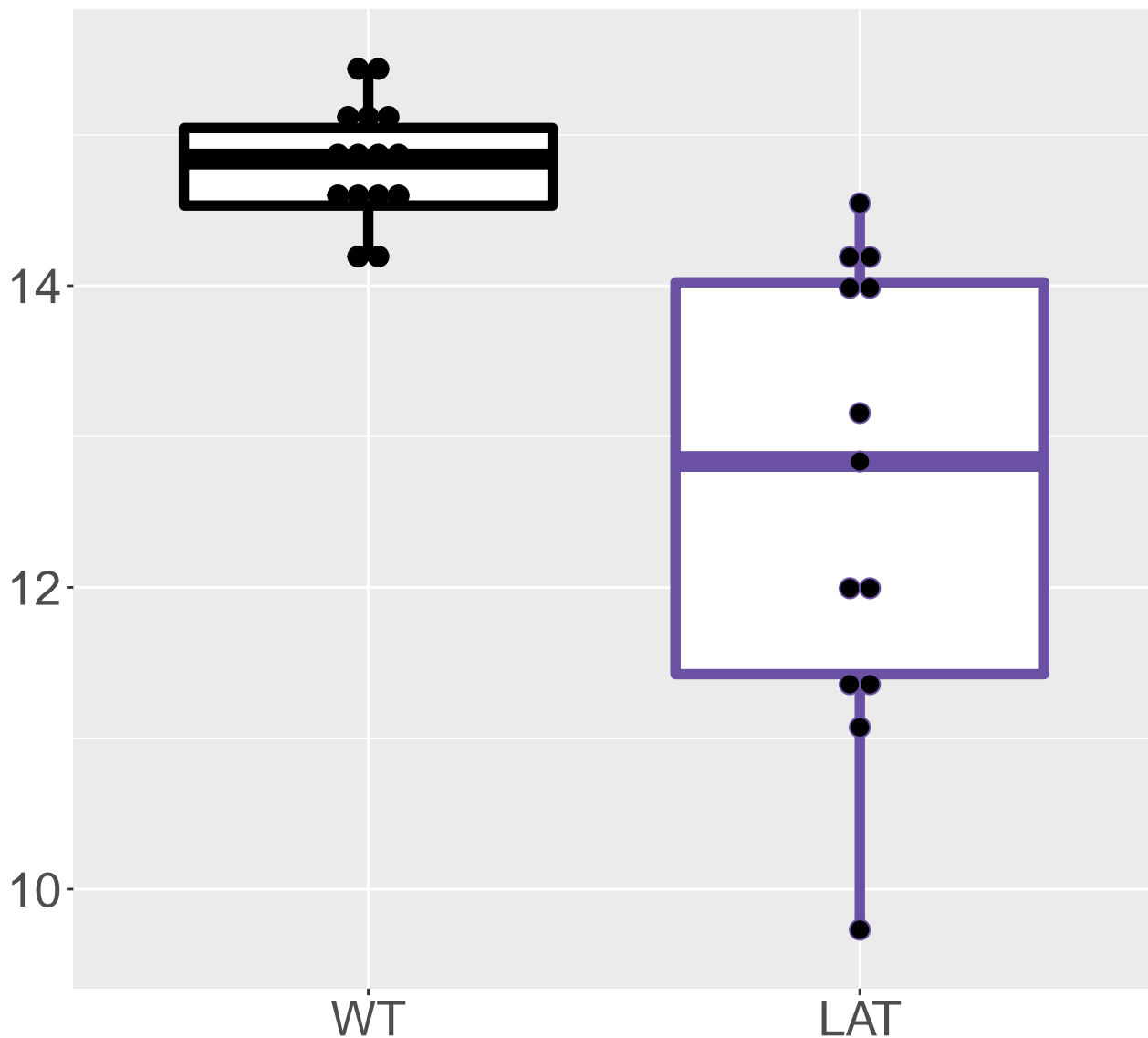


**FDR = 0.00016, FC = -1.4**



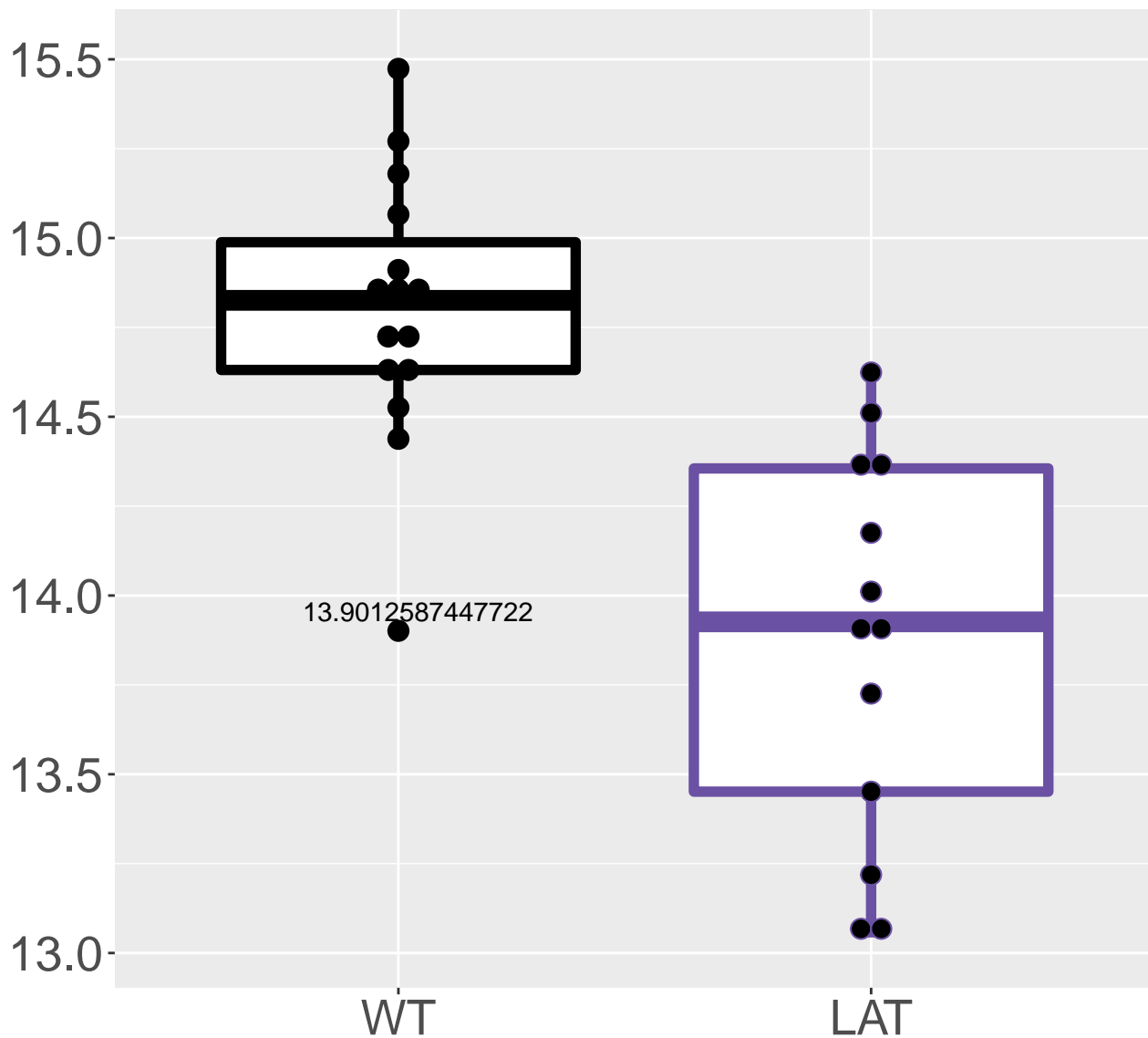
**M302.1807T270.44**

**FDR = 0.00016, FC = -2.2**



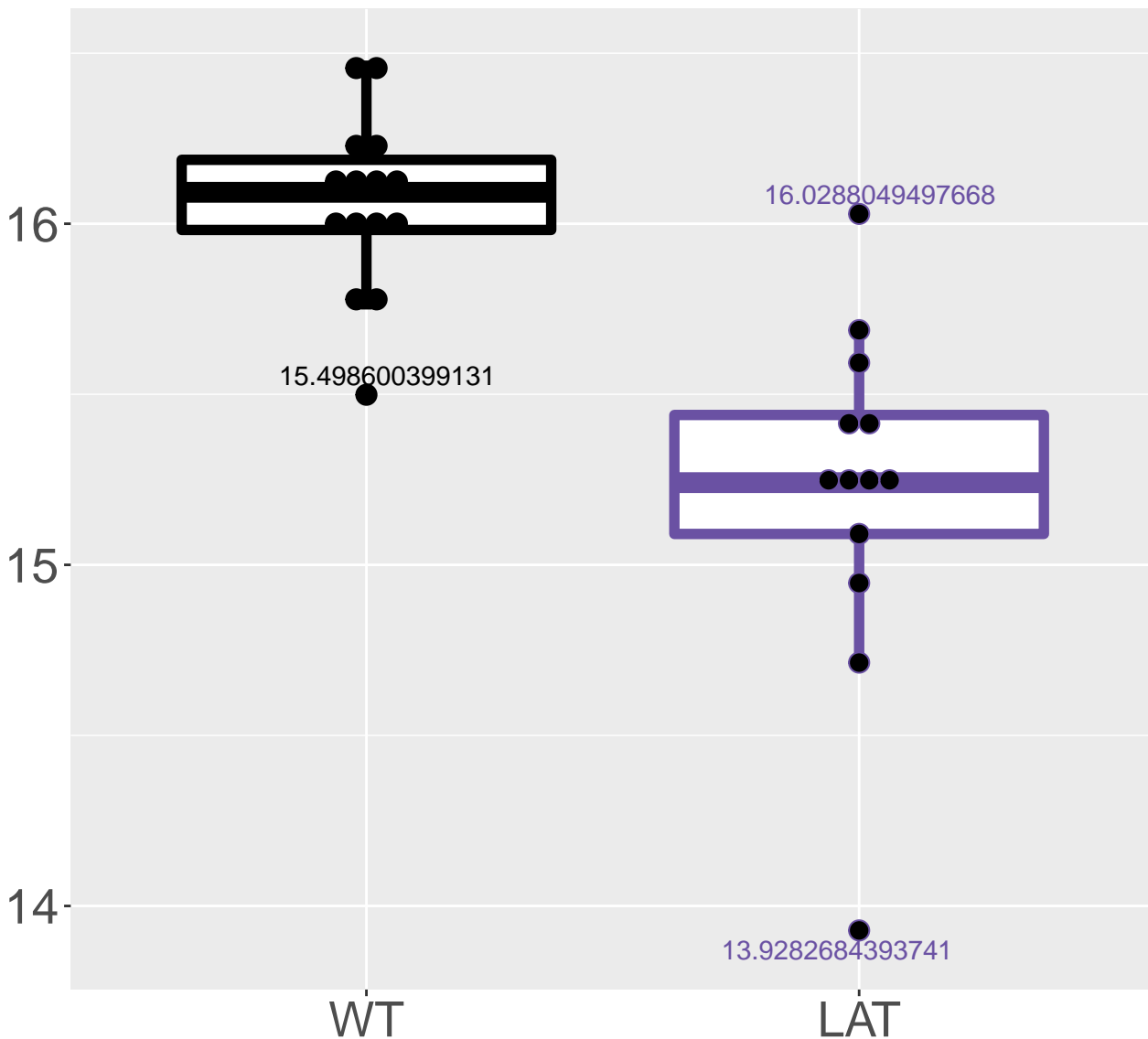
**M461.0632T133.68\_2**

**FDR = 0.00016, FC = -0.93**



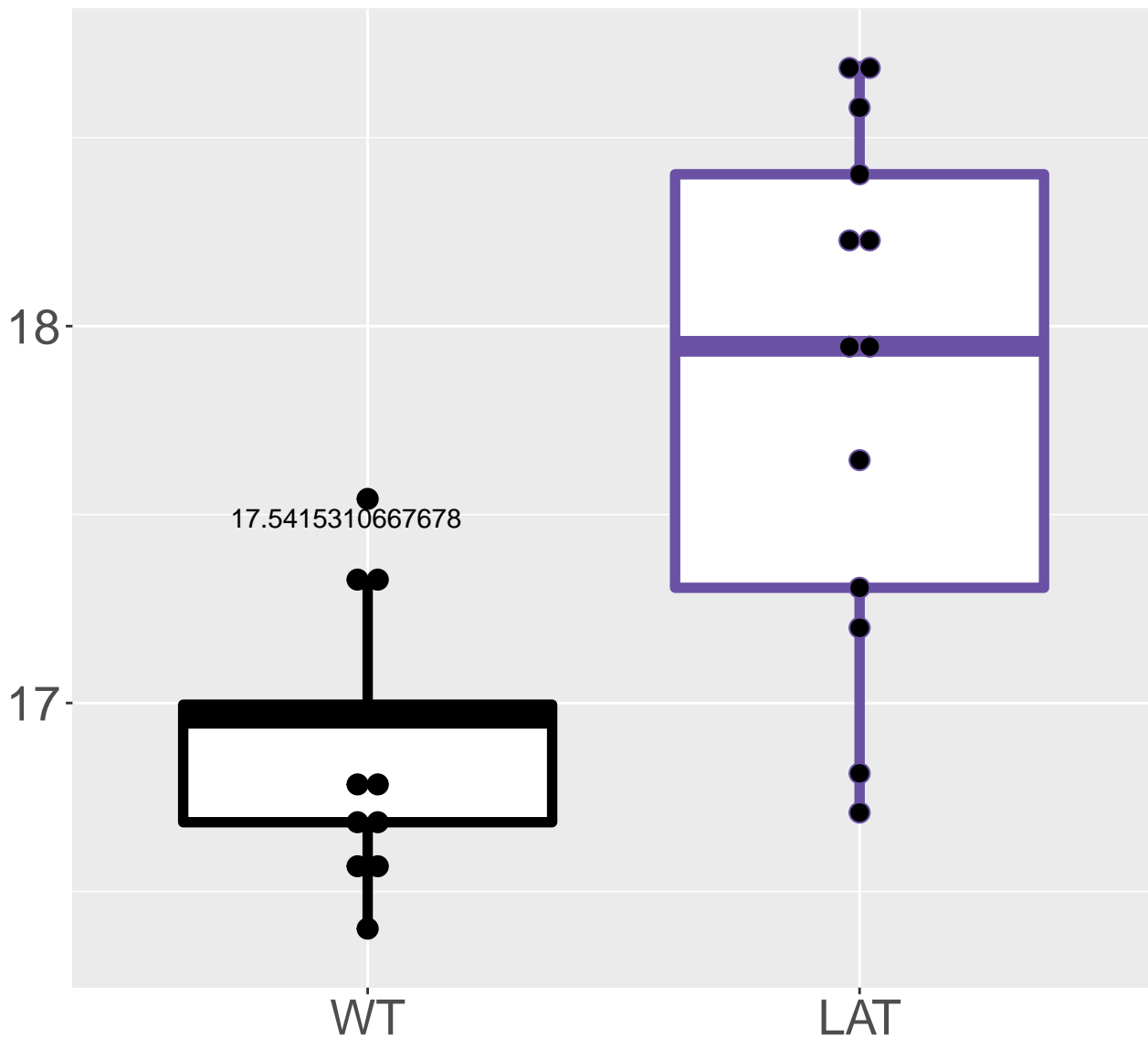
**M161.0273T113.12\_28**

**FDR = 0.00016, FC = -0.85**



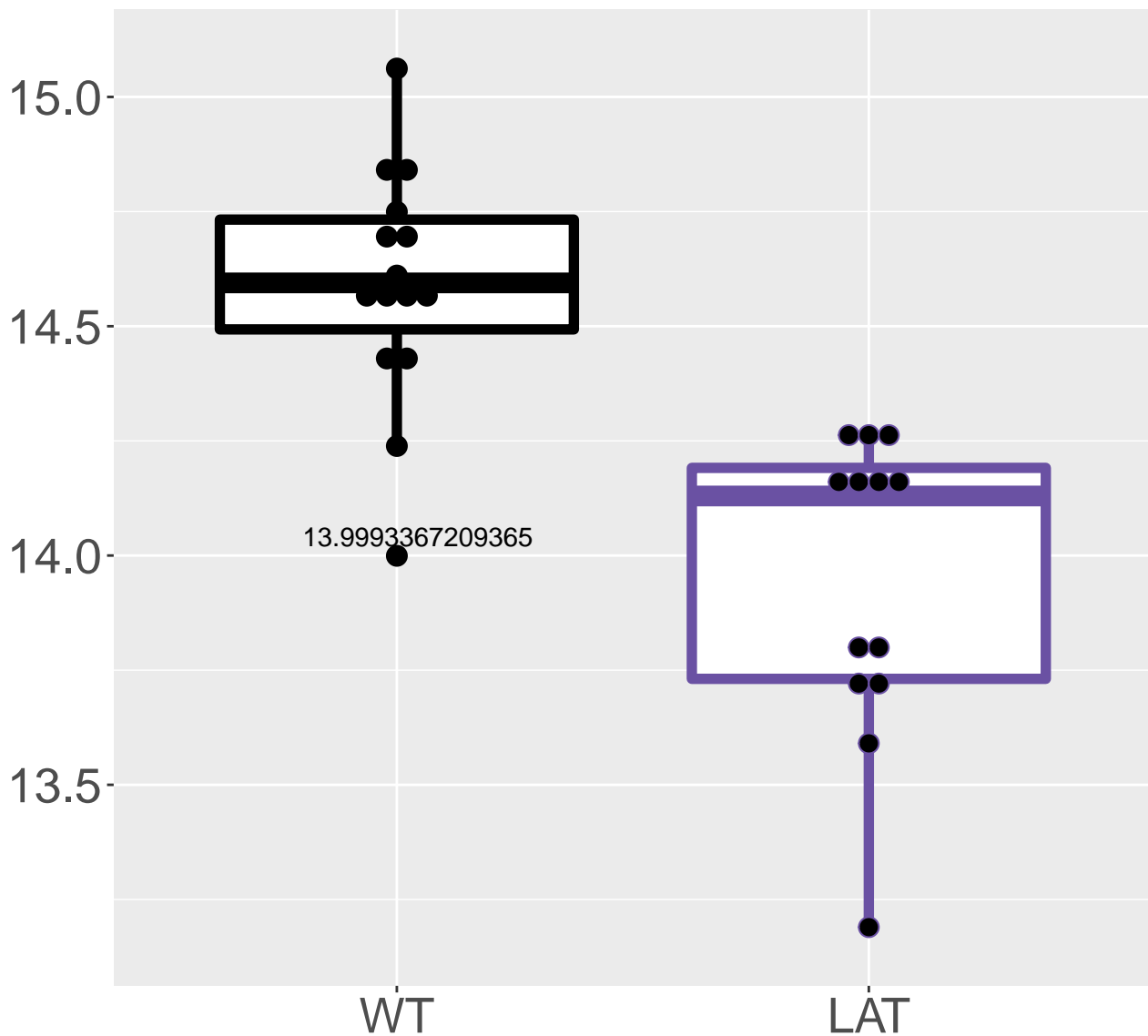
**M378.1178T52.98\_1**

**FDR = 0.00016, FC = 0.97, sex\***



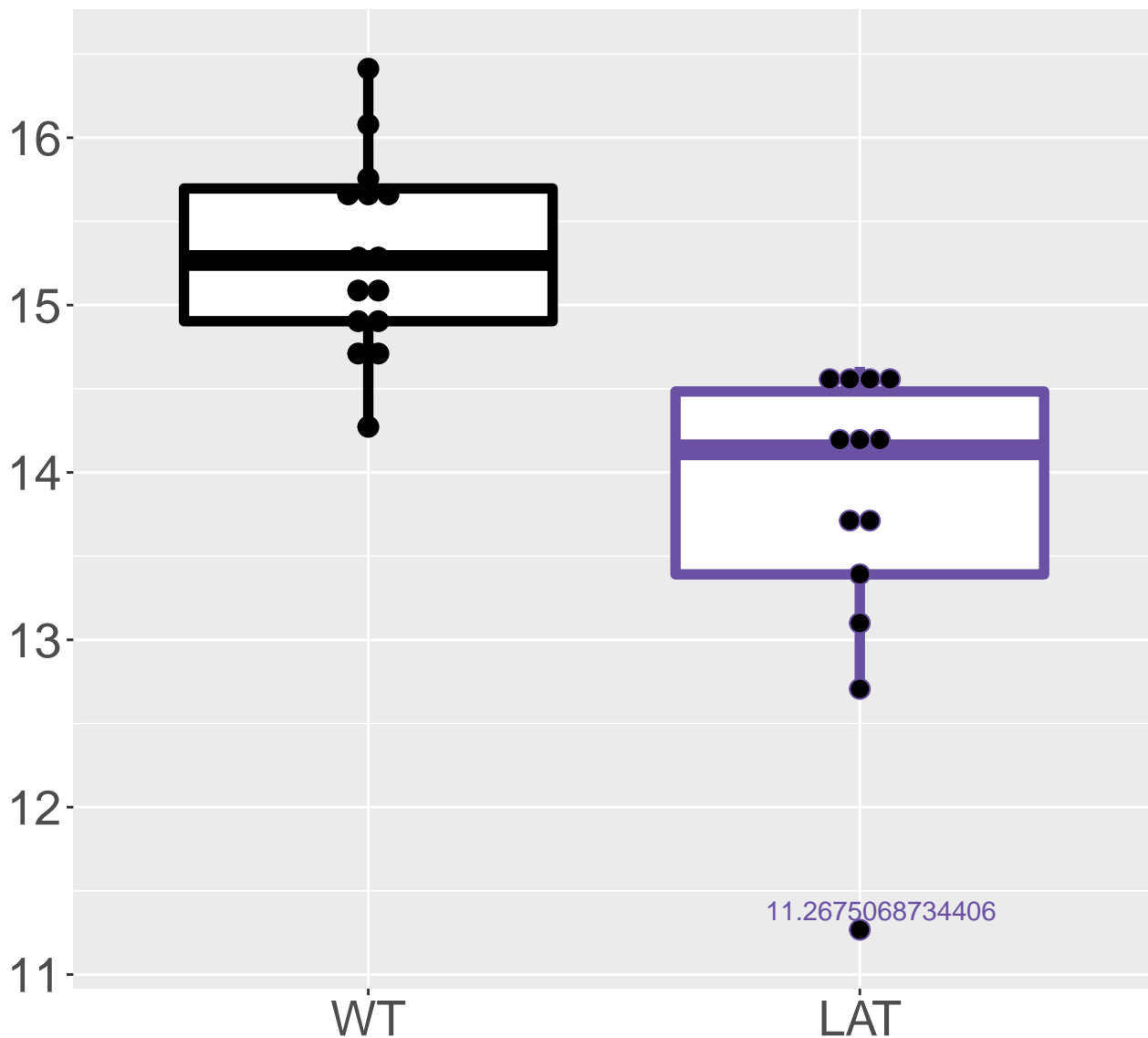
**M269.1027T108.1**

**FDR = 0.00016, FC = -0.65**



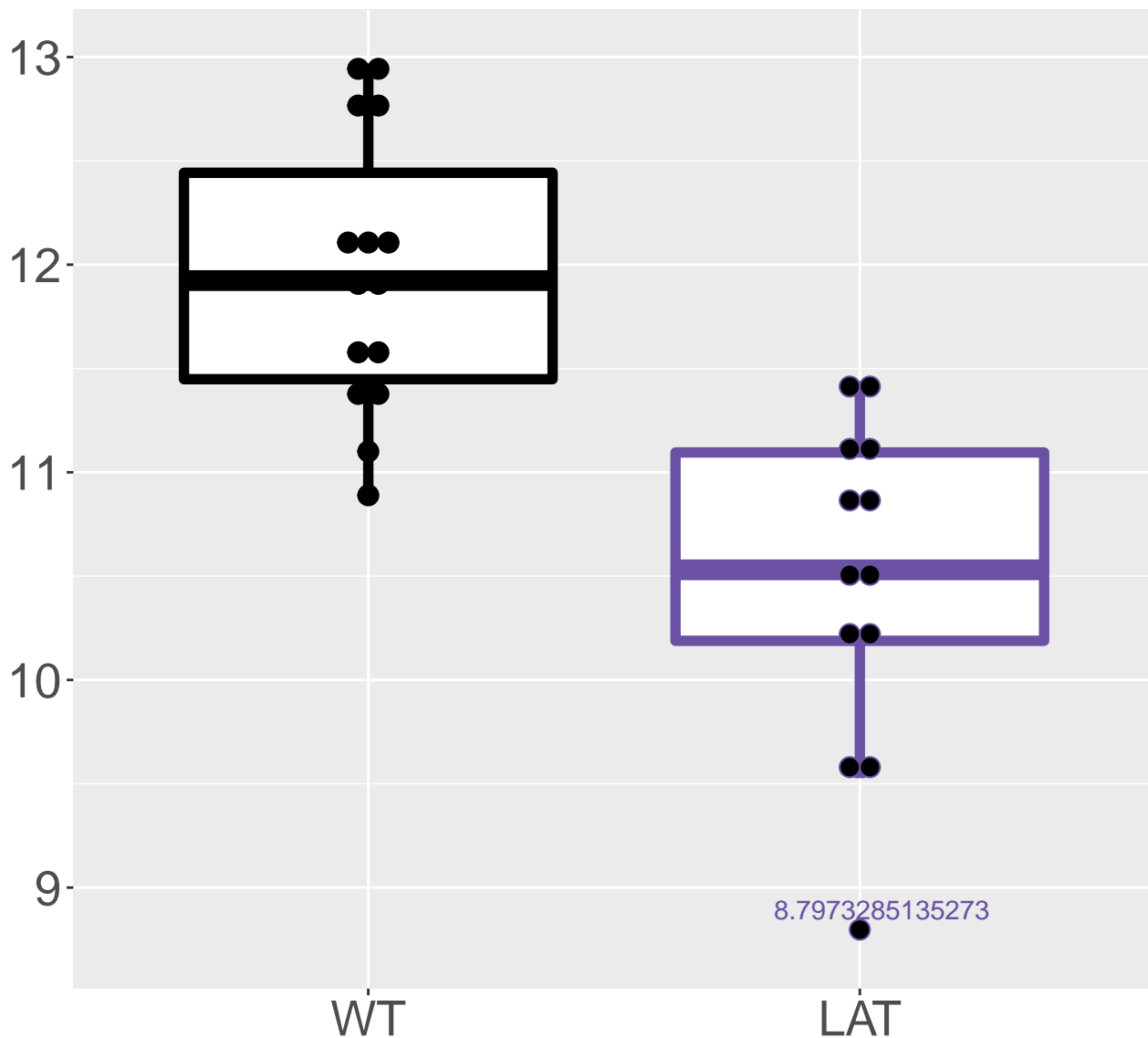
**M568.715T301.67\_2**

**FDR = 0.00017, FC = -1.6**



**M144.0817T265.63**

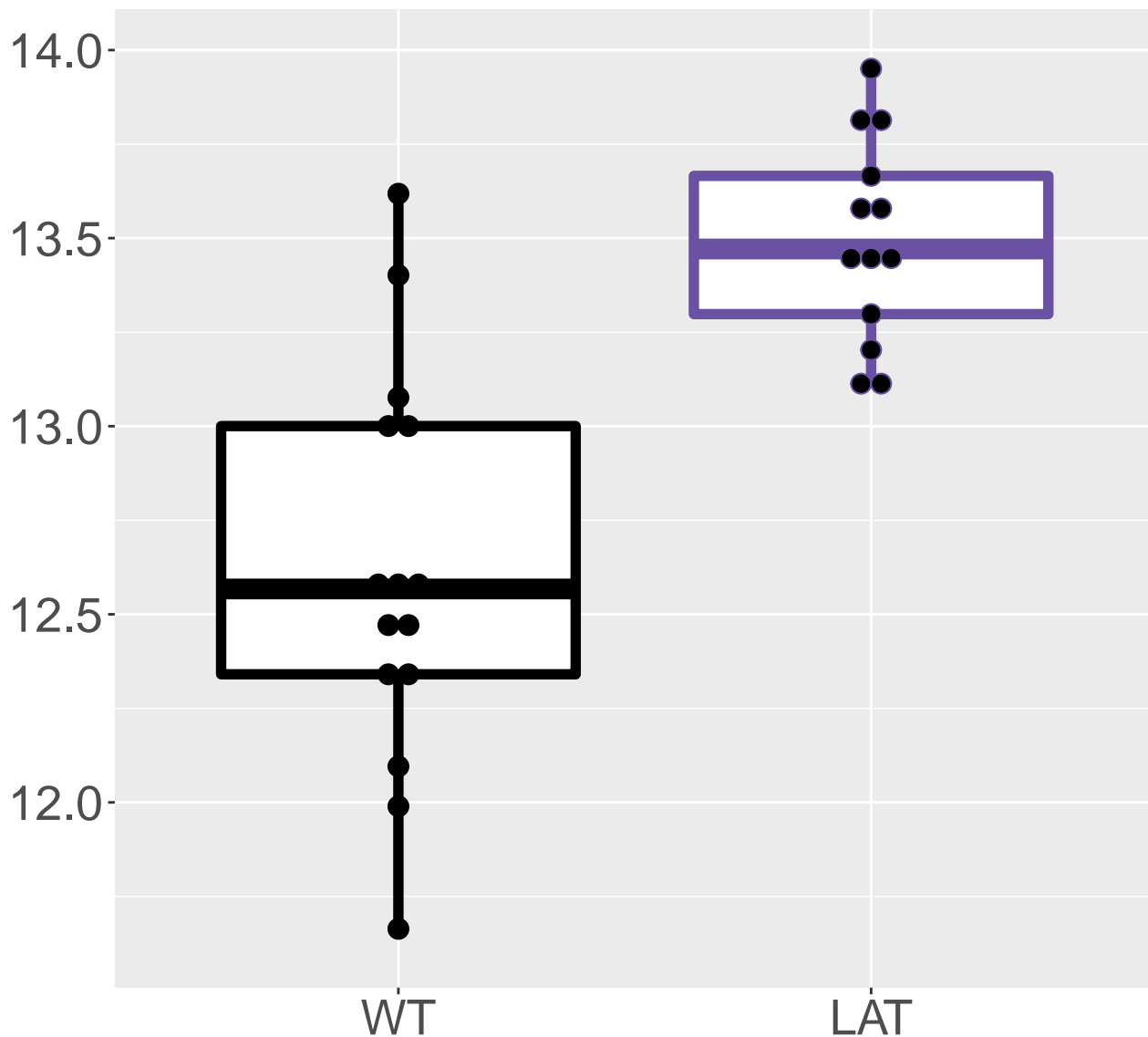
**FDR = 0.00017, FC = -1.5**





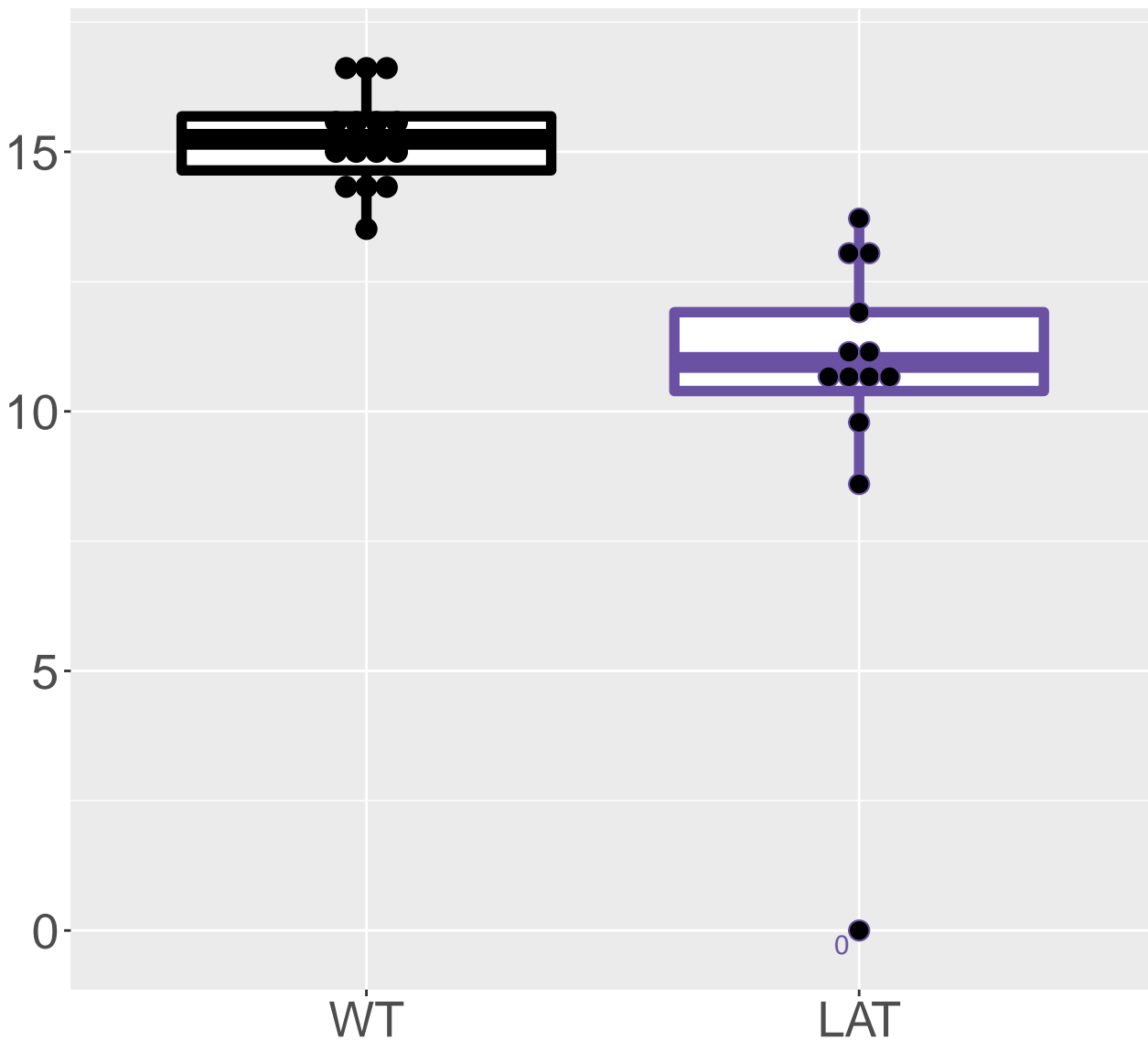
**M376.2182T252.86**

**FDR = 0.00017, FC = 0.88**



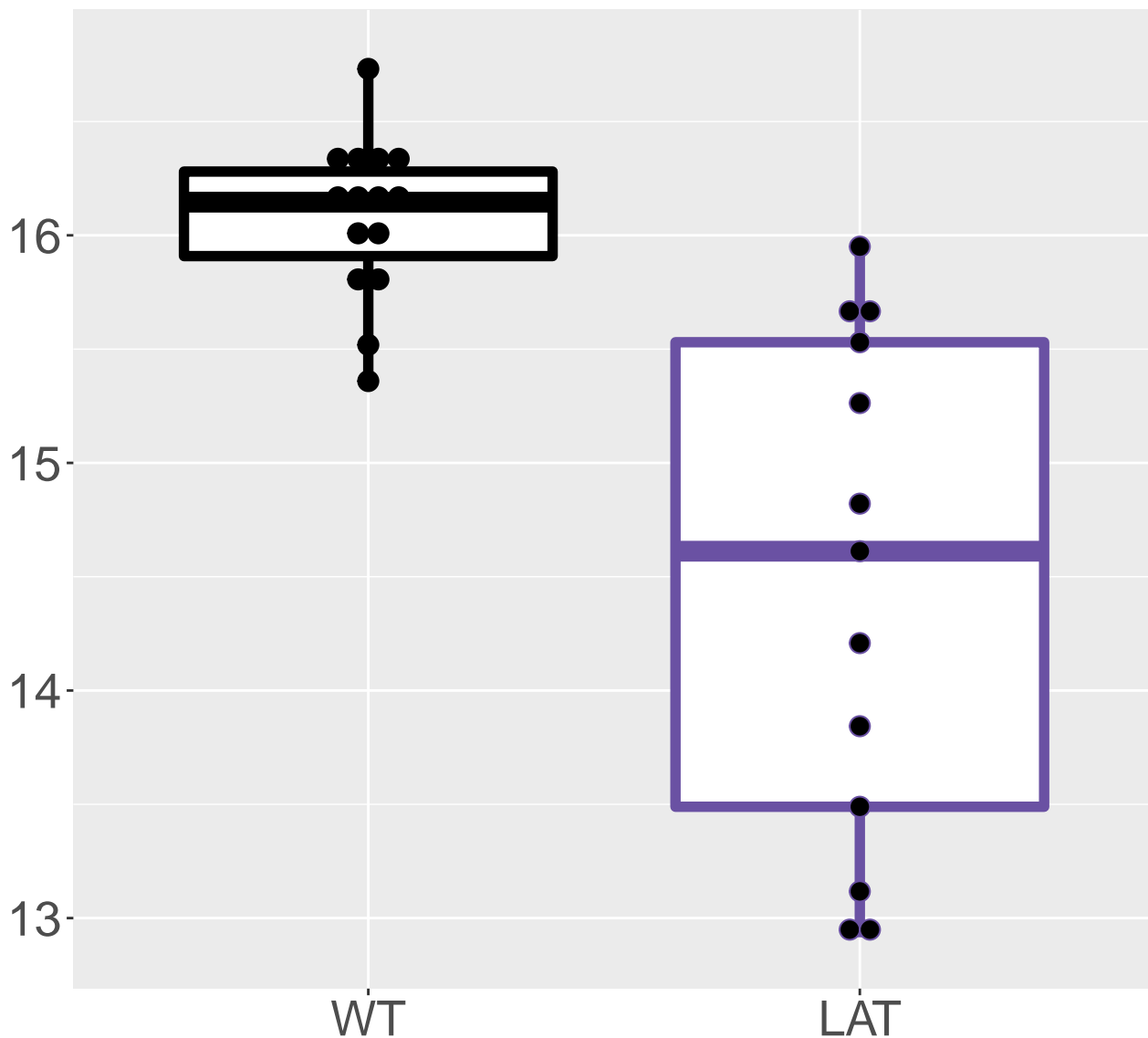
**M650.7229T347.81**

**FDR = 0.00017, FC = -4.9**



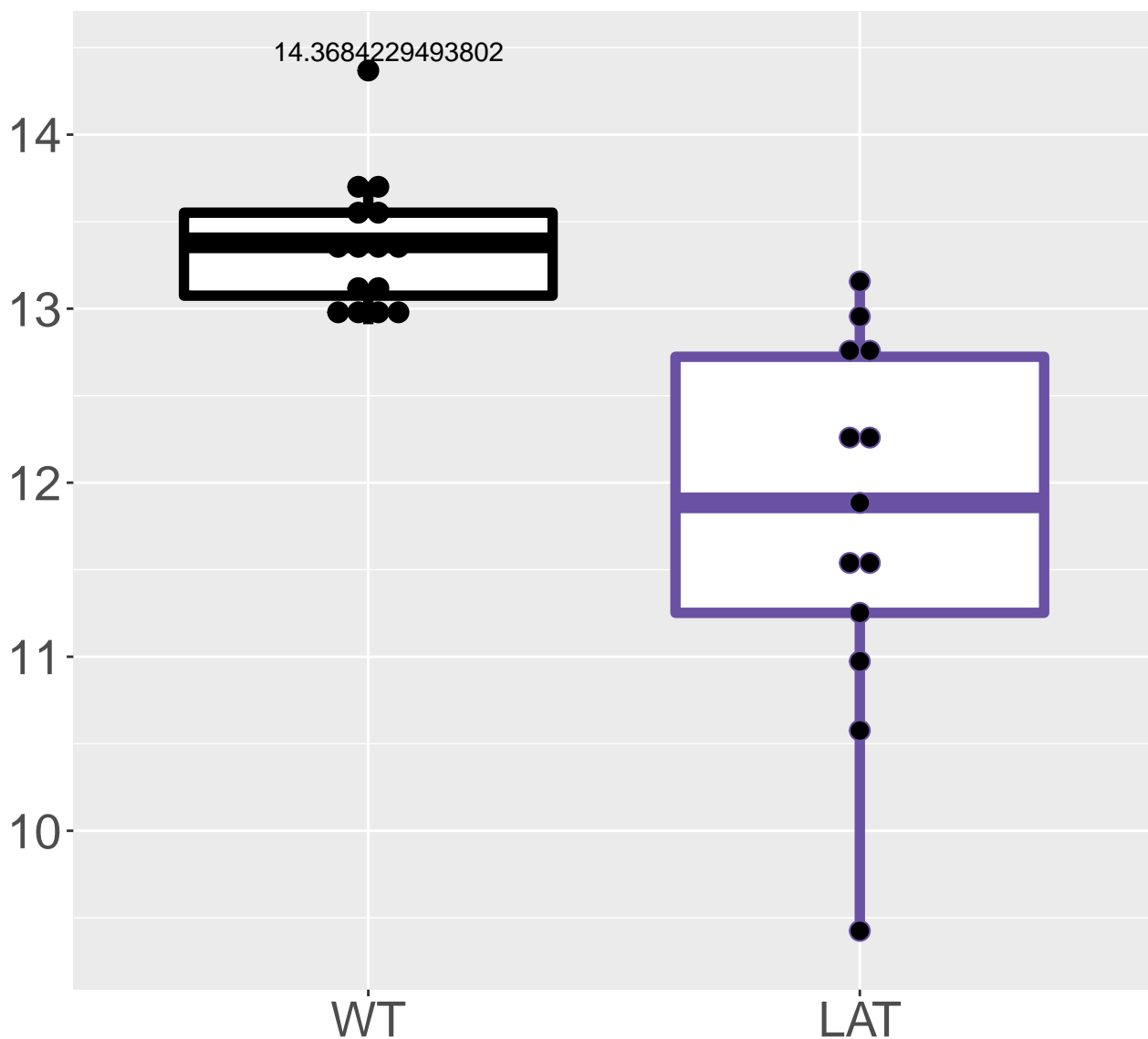
**M606.8445T306.28\_1**

**FDR = 0.00017, FC = -1.6**



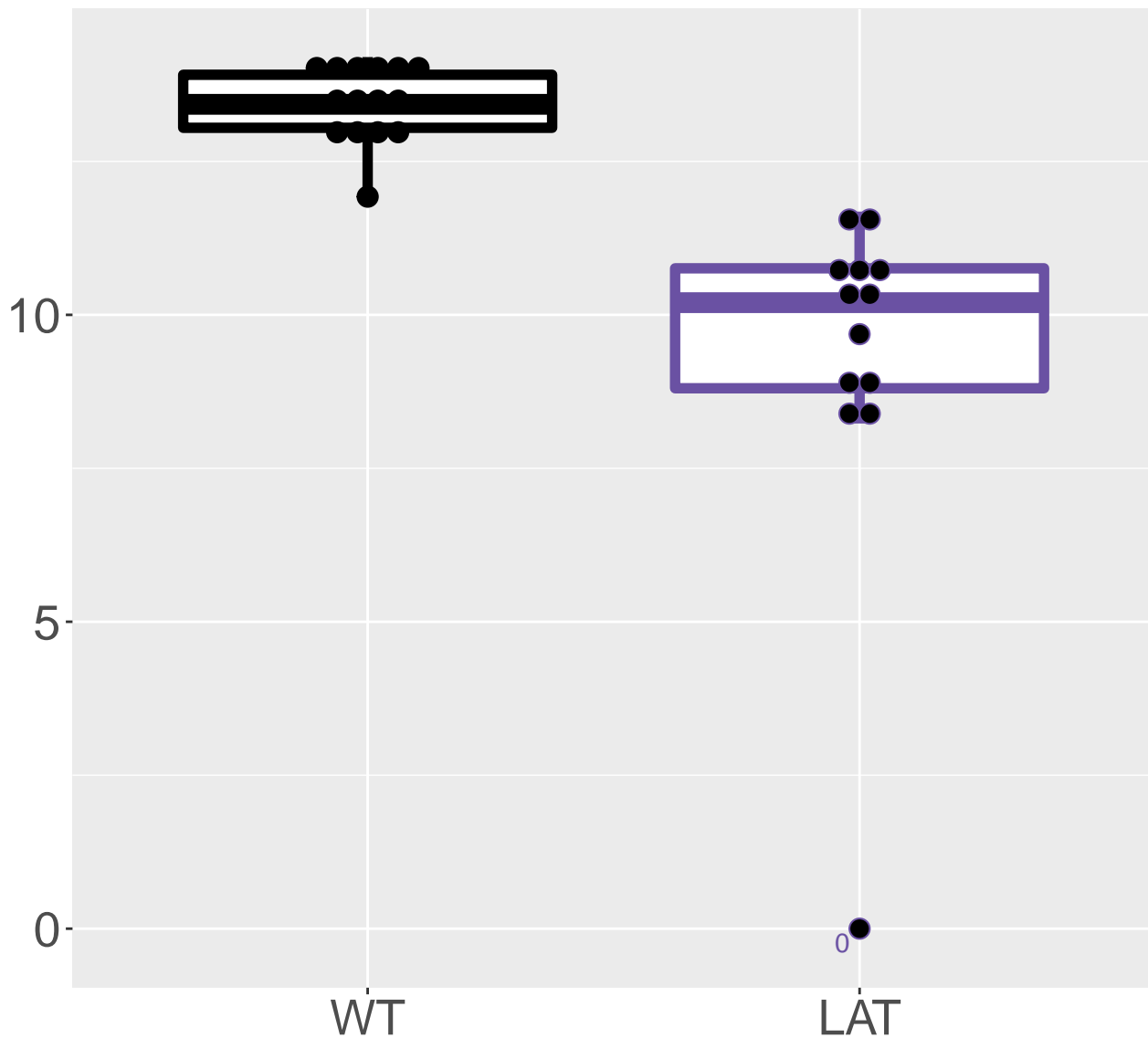
**M406.2423T311.62**

**FDR = 0.00017, FC = -1.6**



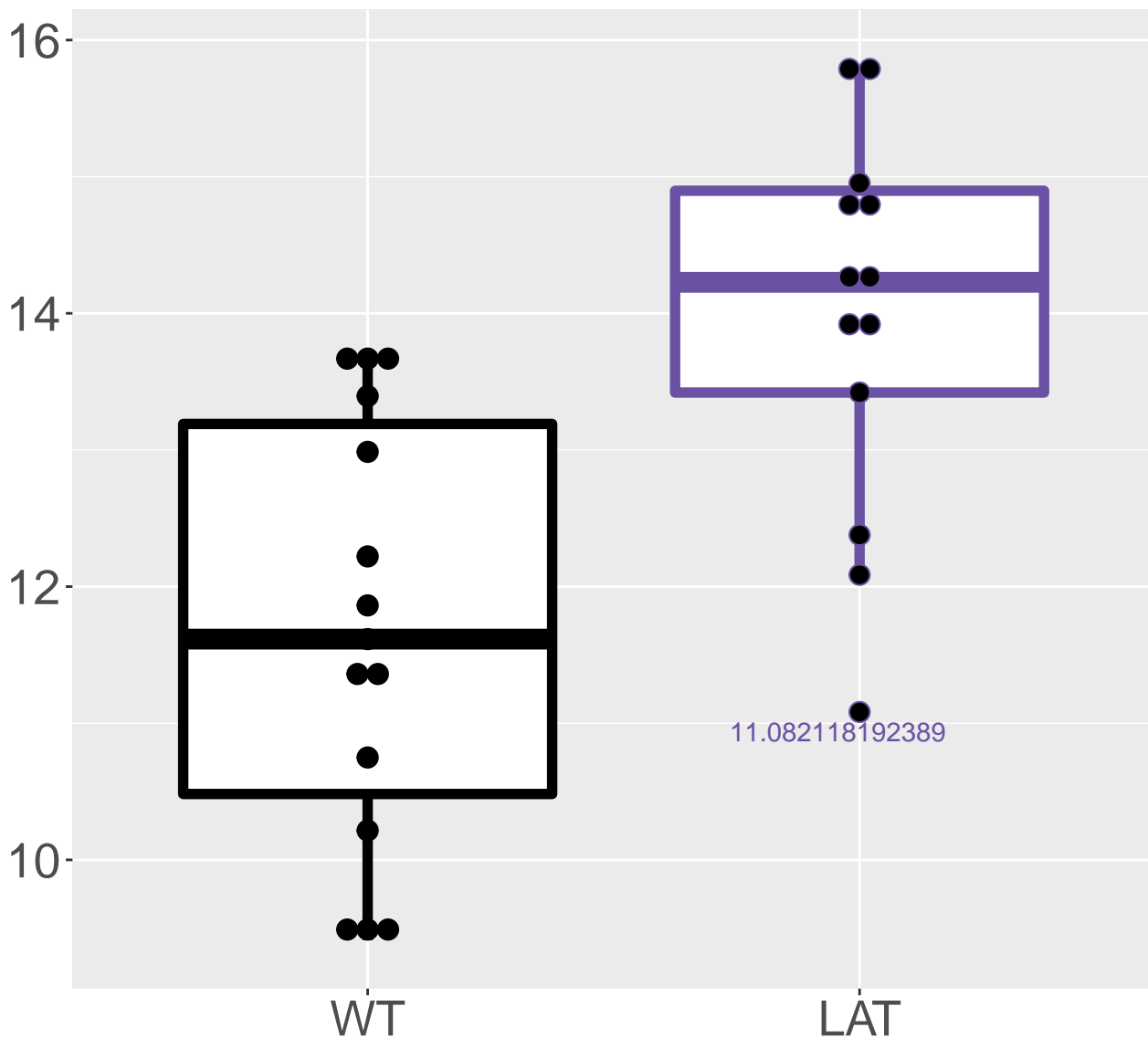
**M349.9105T332.9**

**FDR = 0.00017, FC = -4.2**

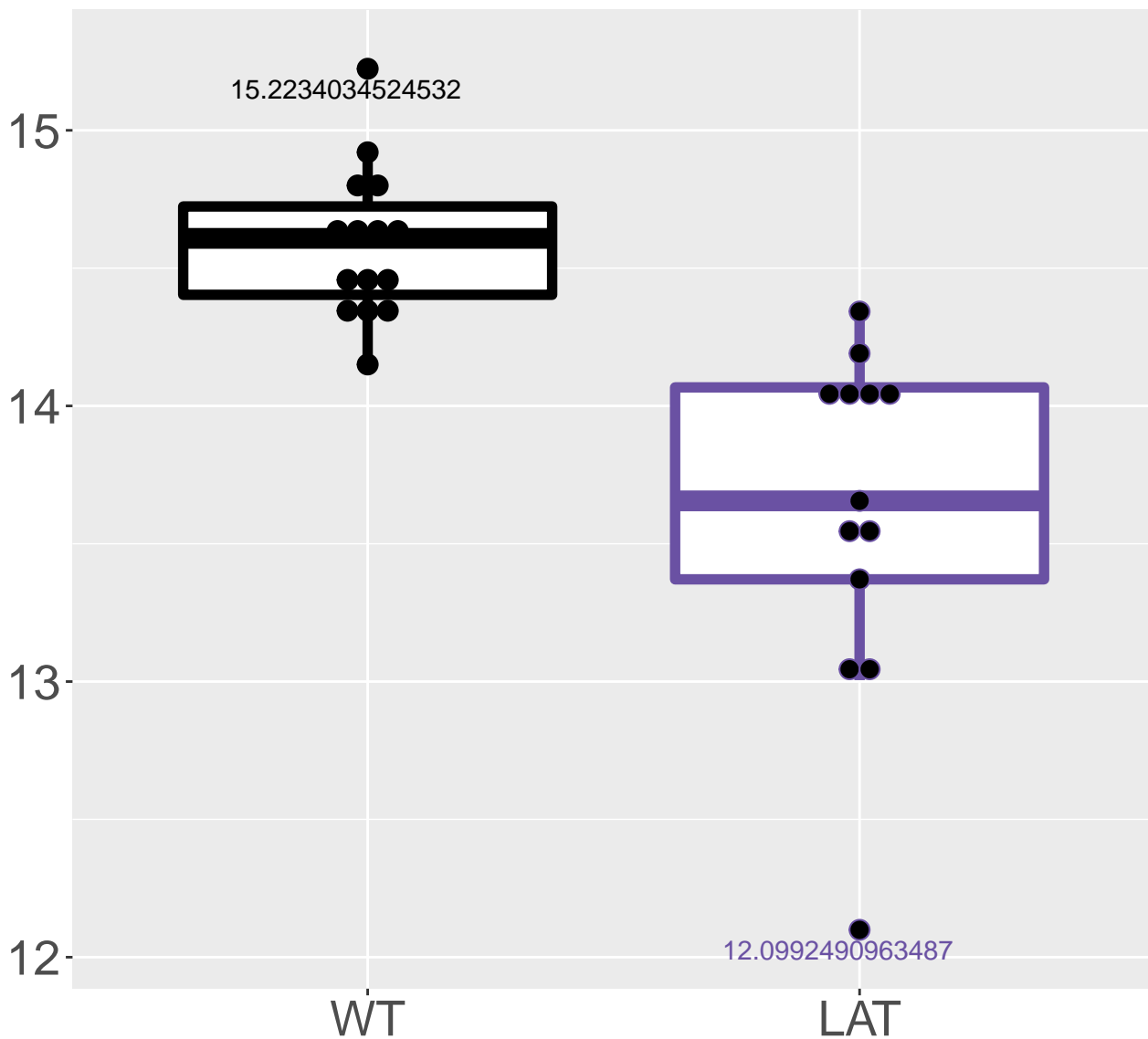


**M330.7023T279.75**

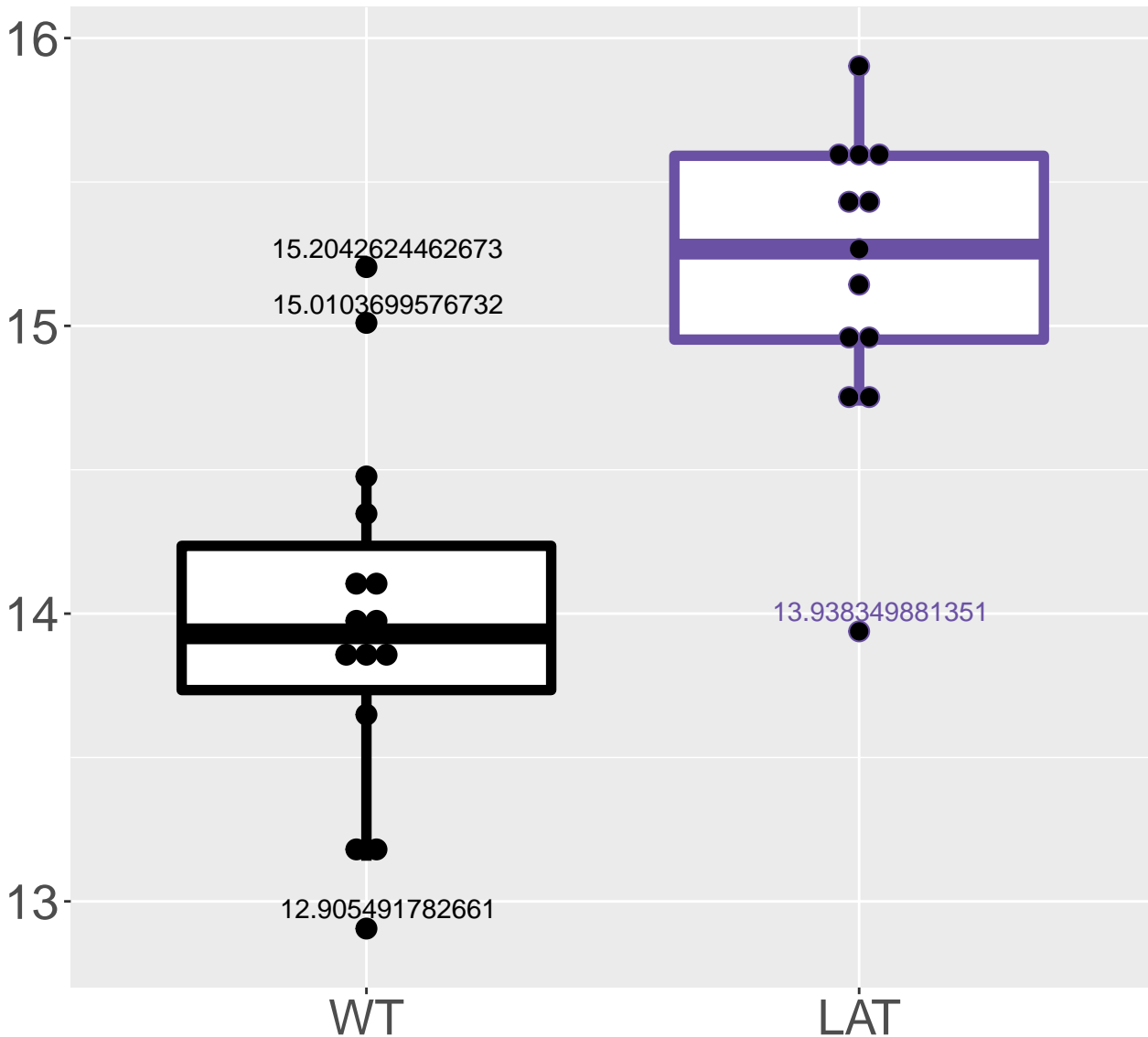
**FDR = 0.00017, FC = 2.3, sex\*\***



**FDR = 0.00017, FC = -0.97**



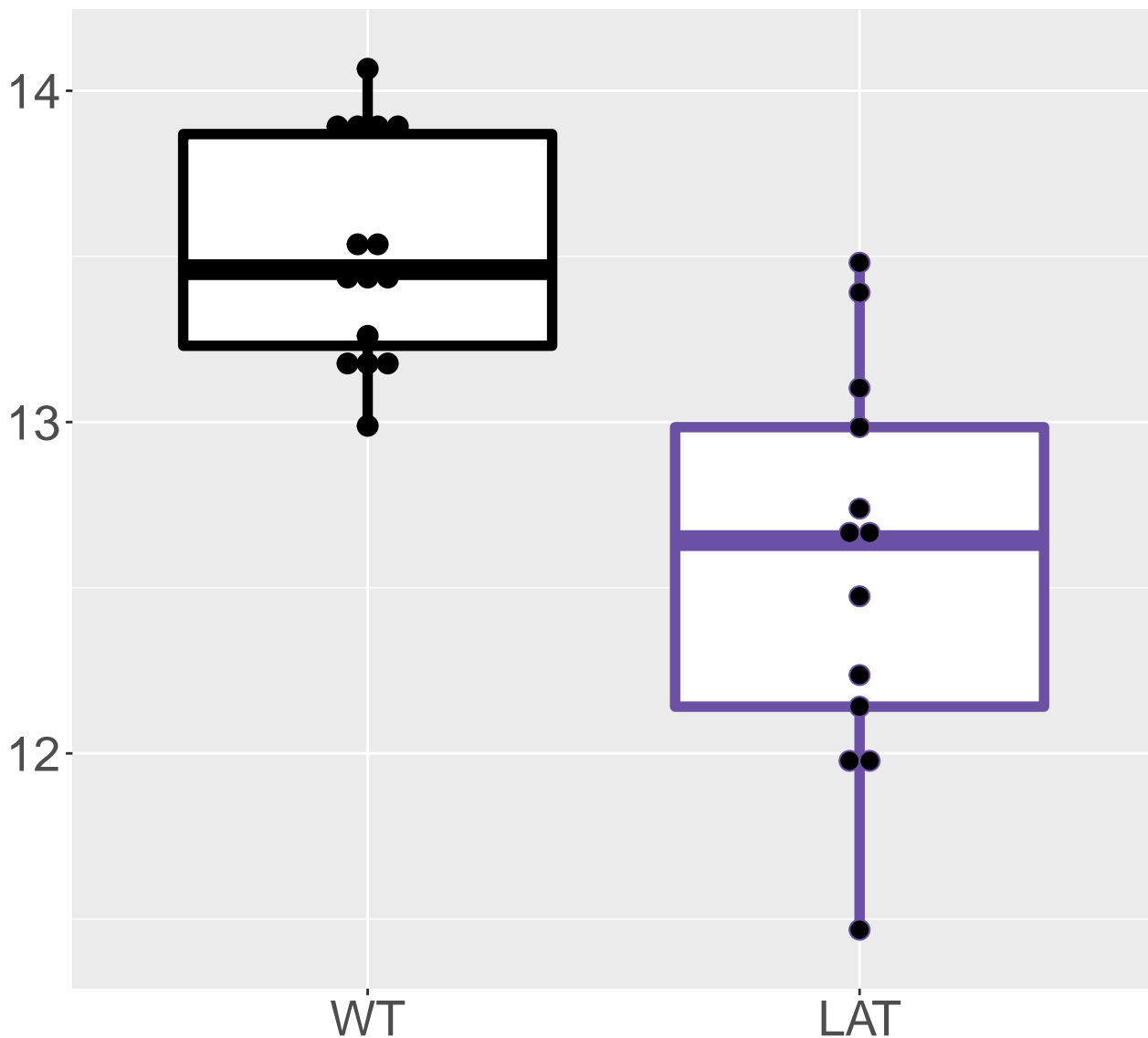
**M489.2342T202.97**  
**FDR = 0.00017, FC = 1.2**



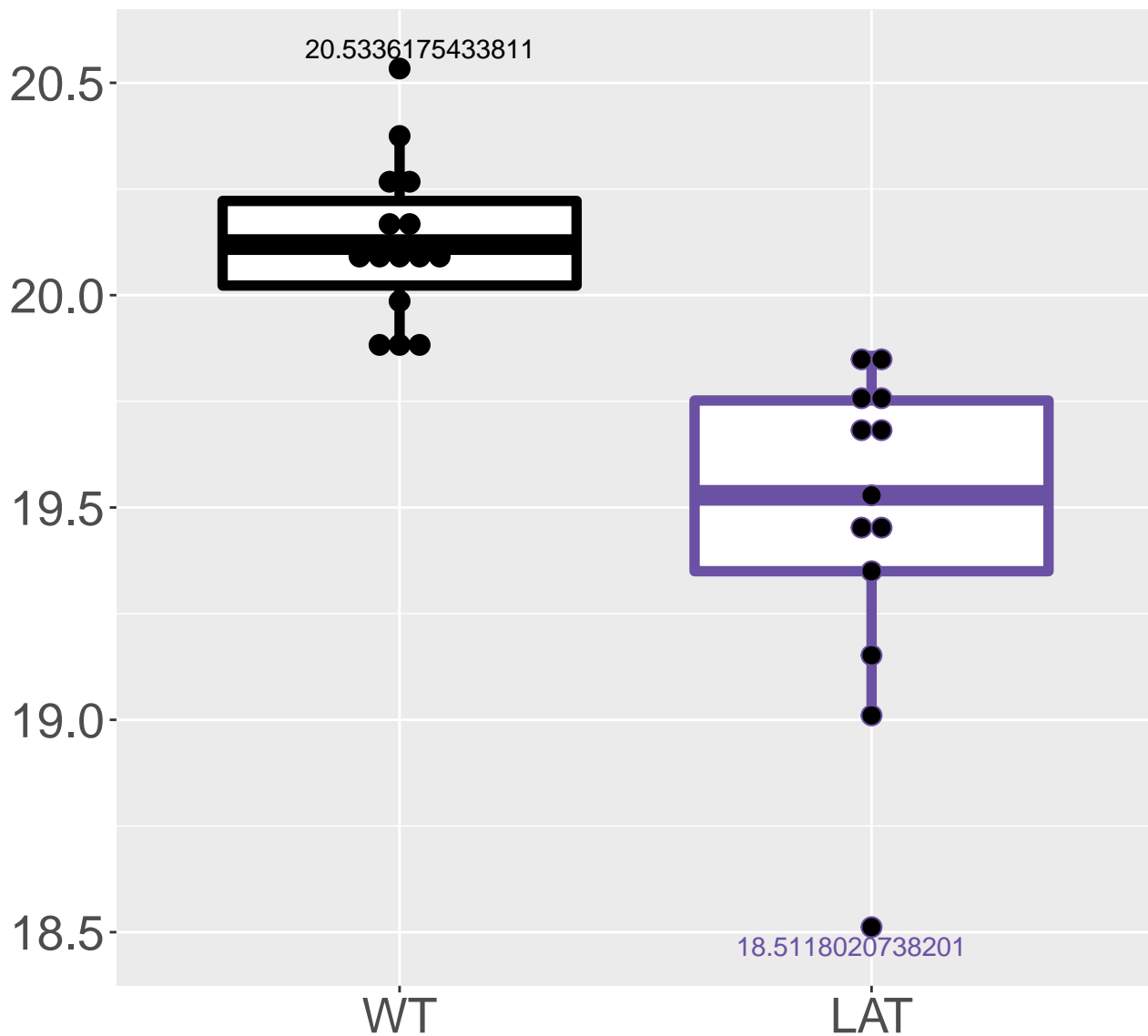


**M433.9981T253.82\_1**

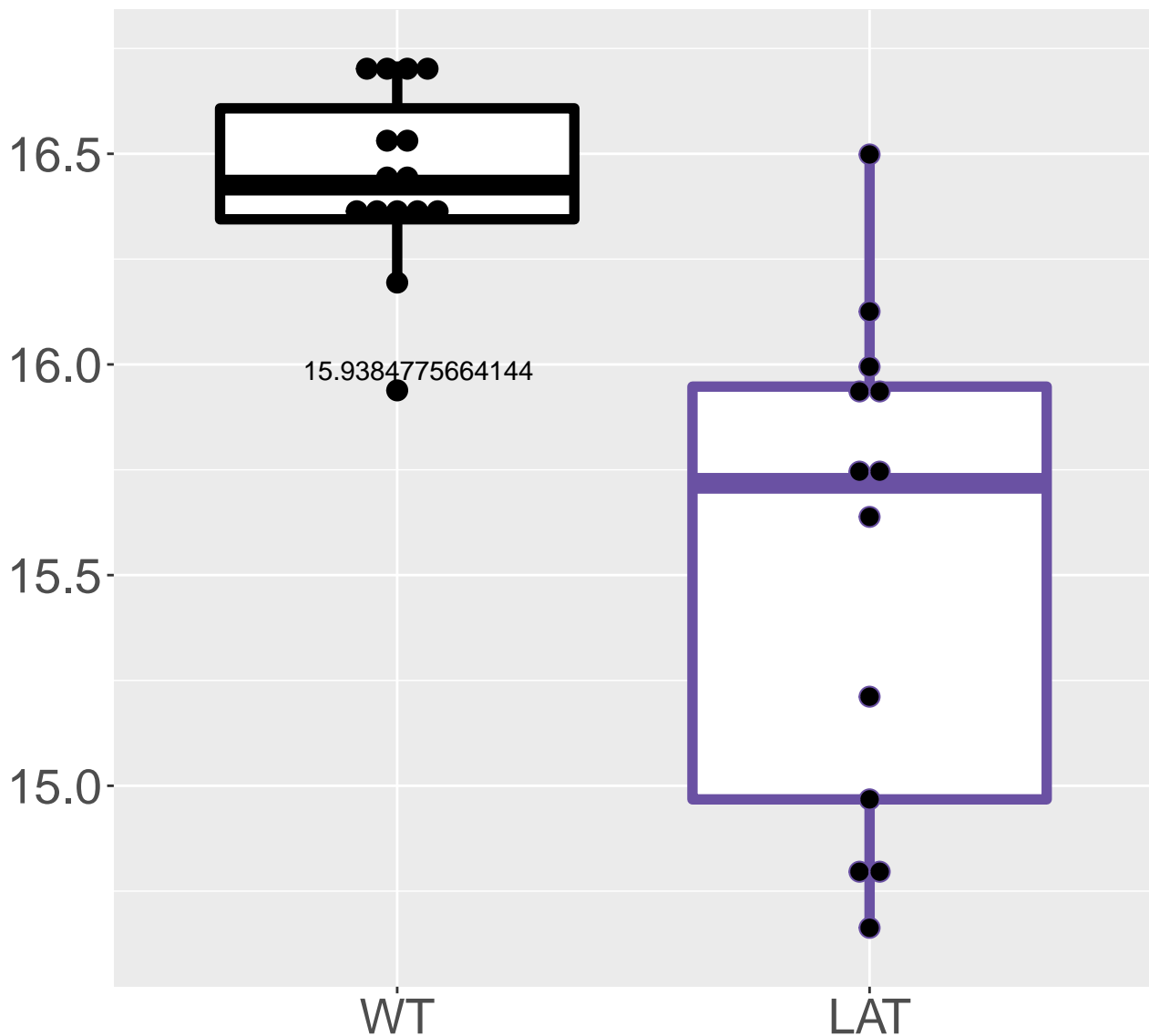
**FDR = 0.00018, FC = -0.96**



**FDR = 0.00018, FC = -0.66**

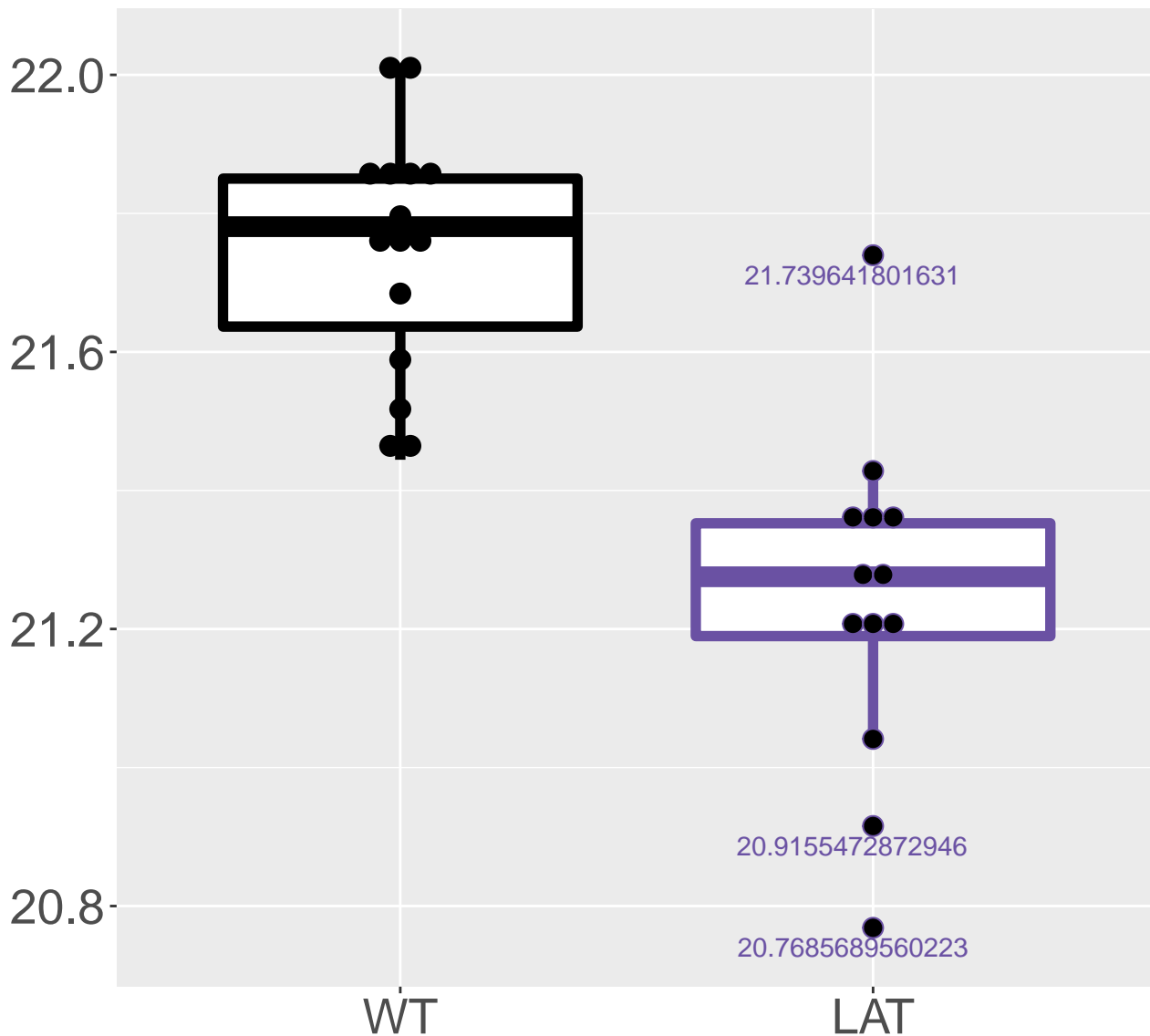


**M126.4478T75.52\_33**  
**FDR = 0.00018, FC = -0.9**



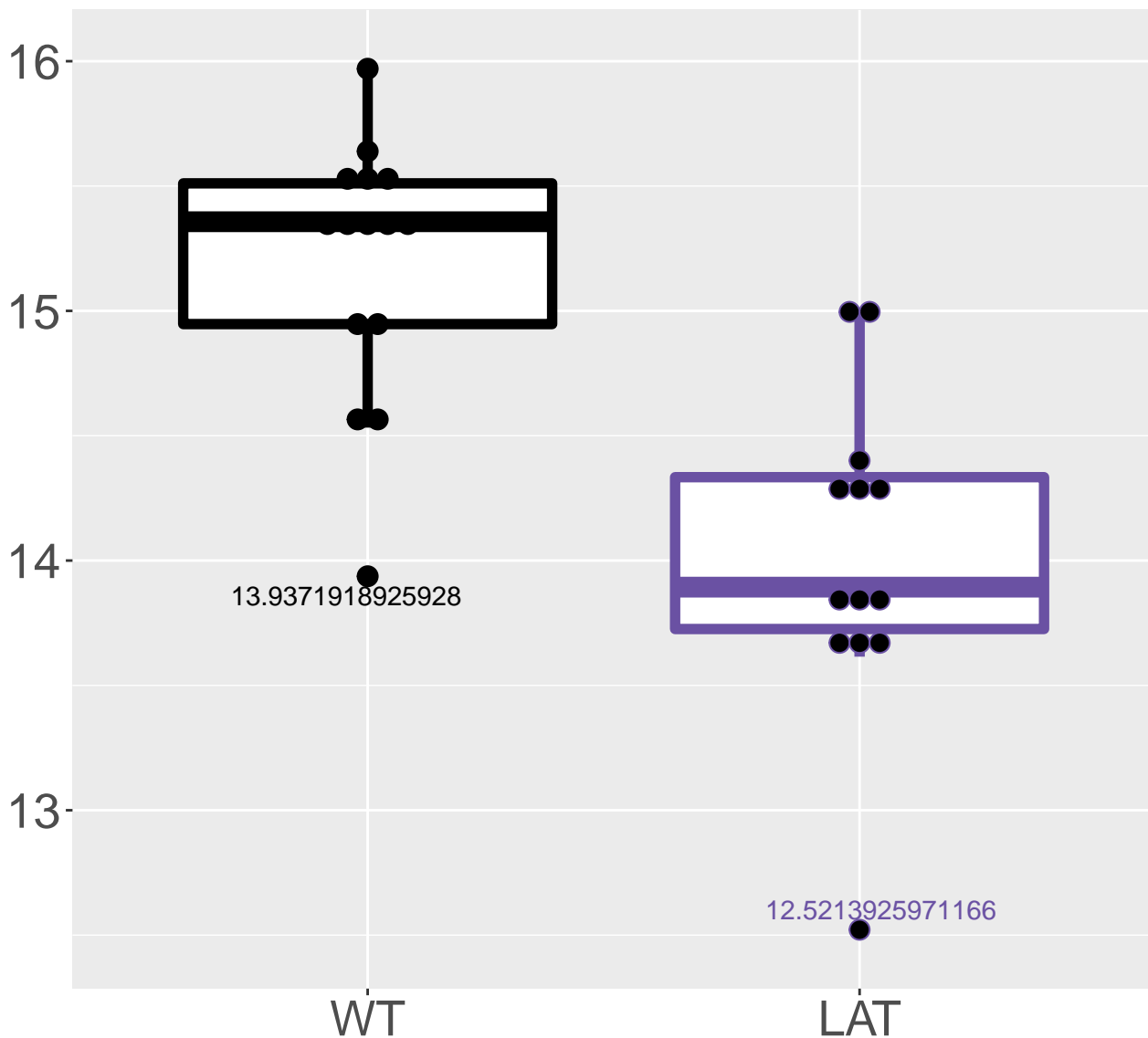
**M87.1002T74.9**

**FDR = 0.00018, FC = -0.5**



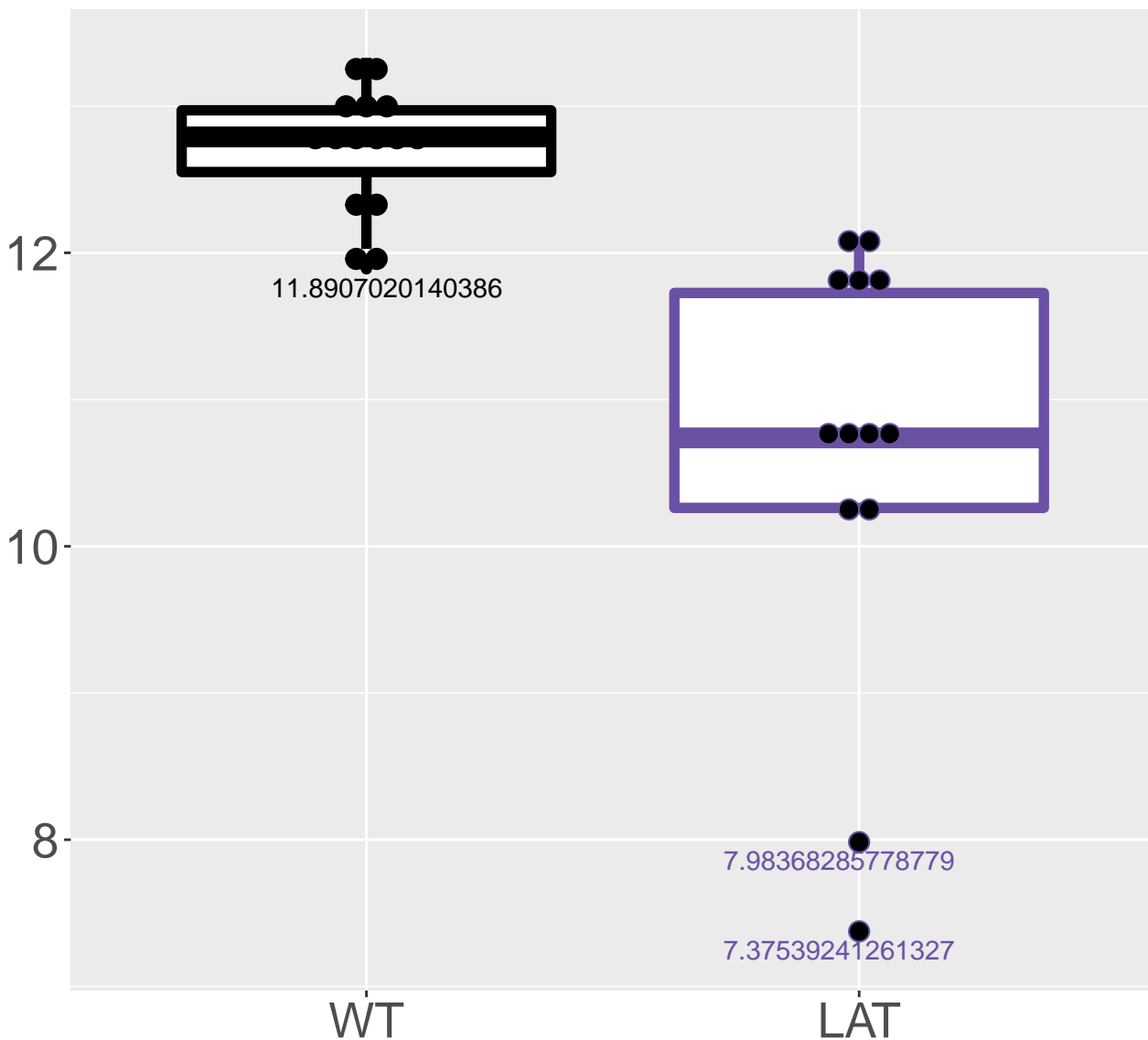
**M156.9533T113.06\_10**

**FDR = 0.00019, FC = -1.2**



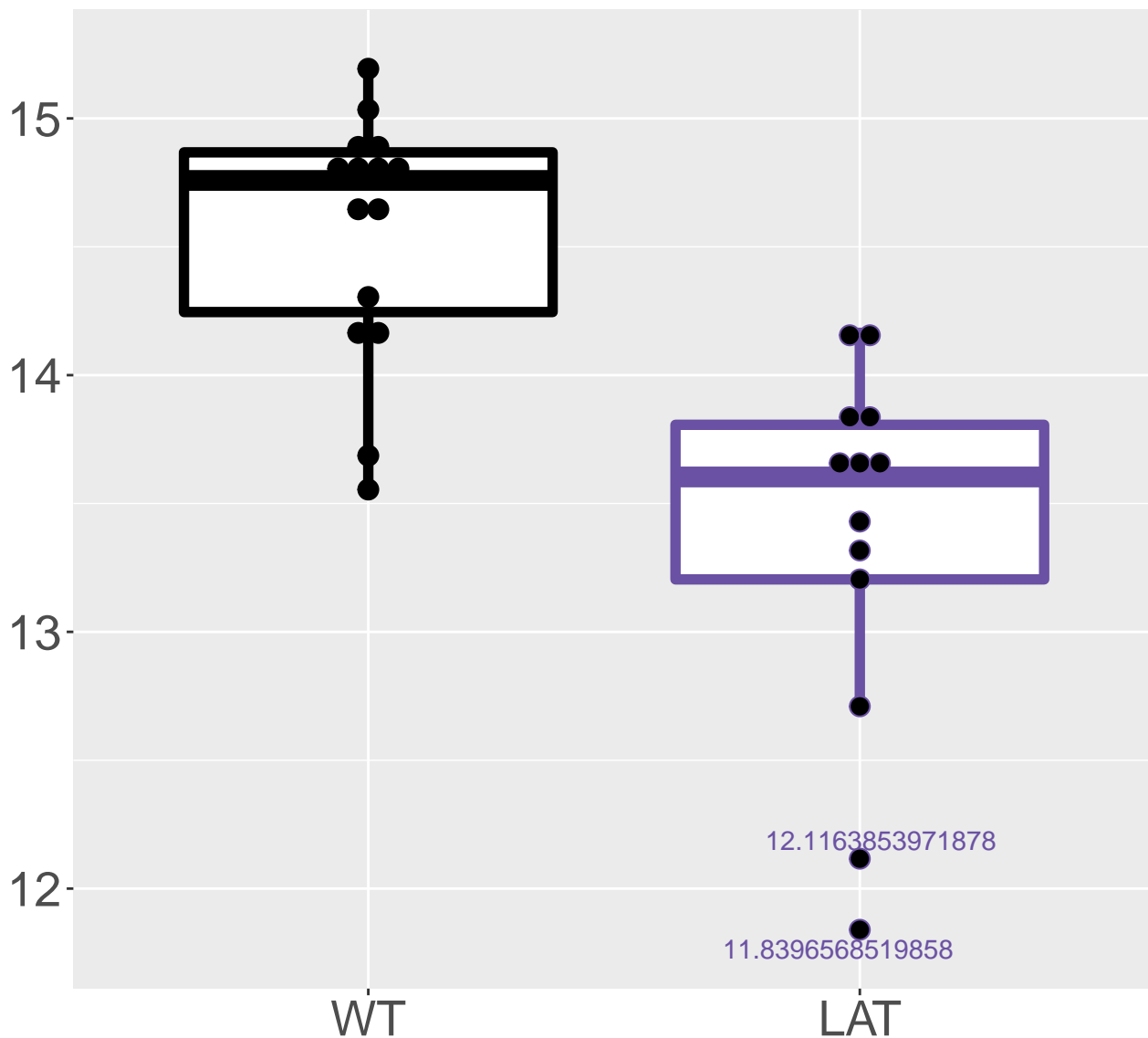
**M301.1852T218.52**

**FDR = 0.00019, FC = -2.1**



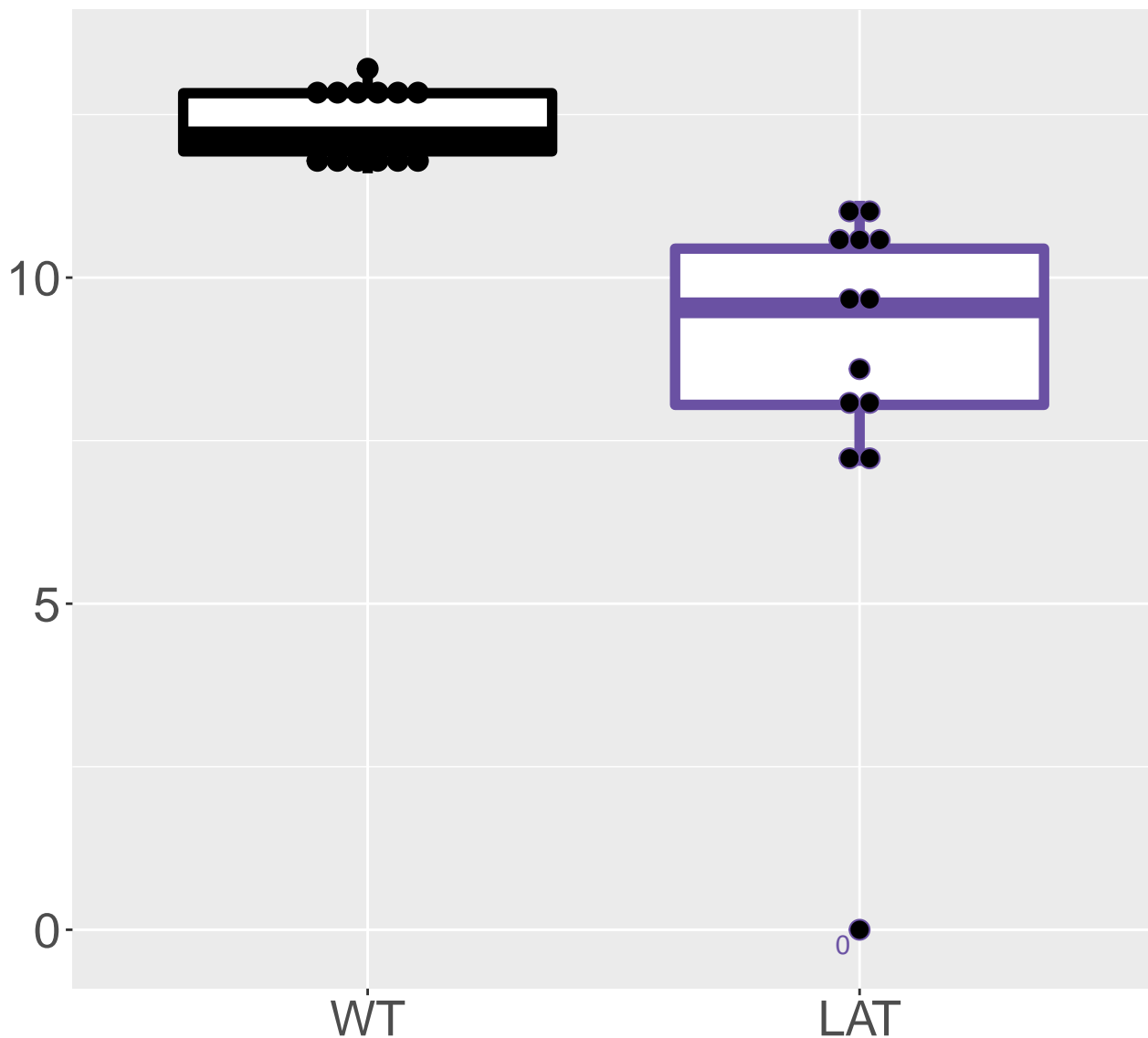
**M175.1449T44.18\_3**

**FDR = 0.00019, FC = -1.2**



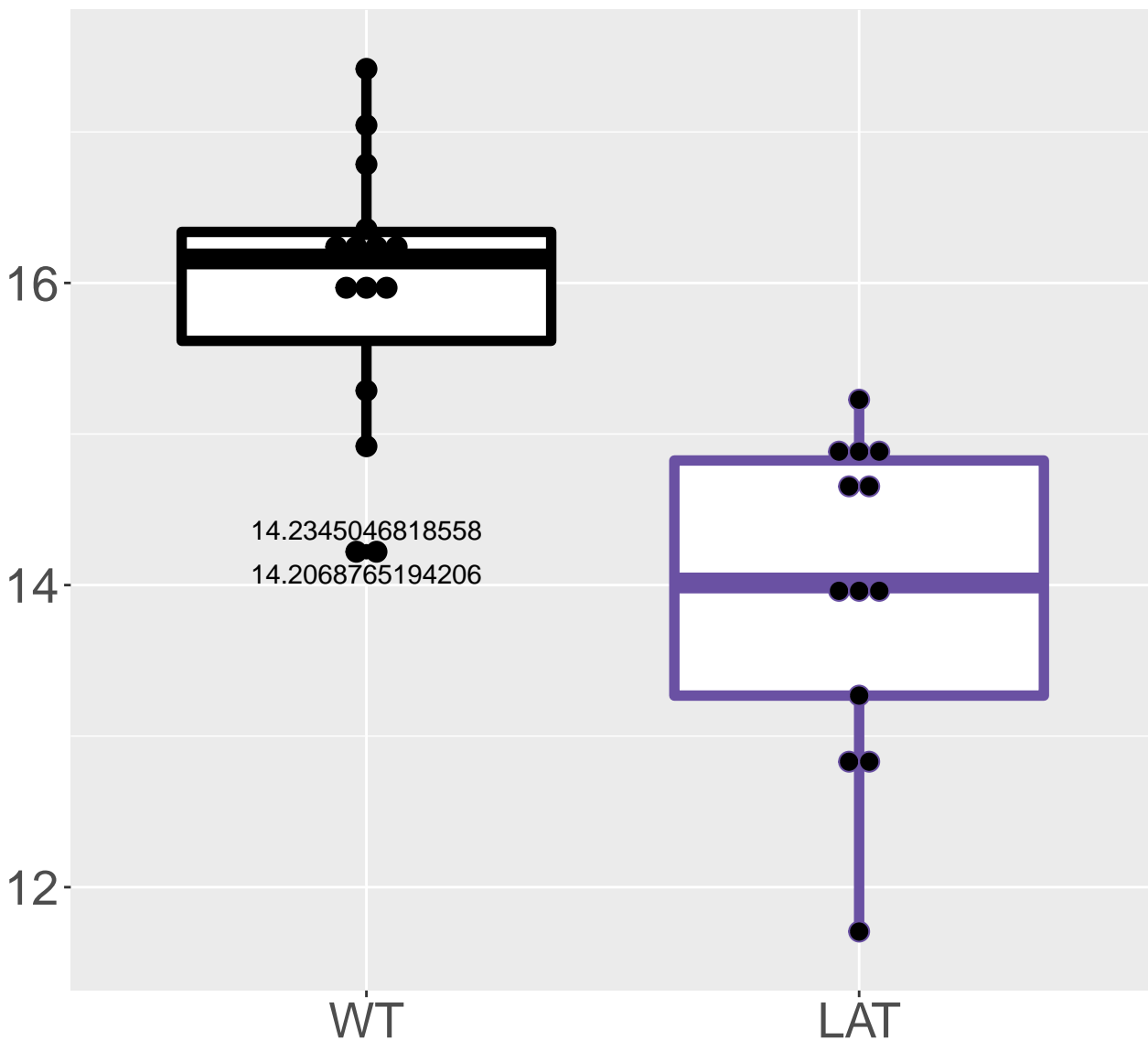
**M343.8899T219.89\_2**

**FDR = 0.00019, FC = -3.7**



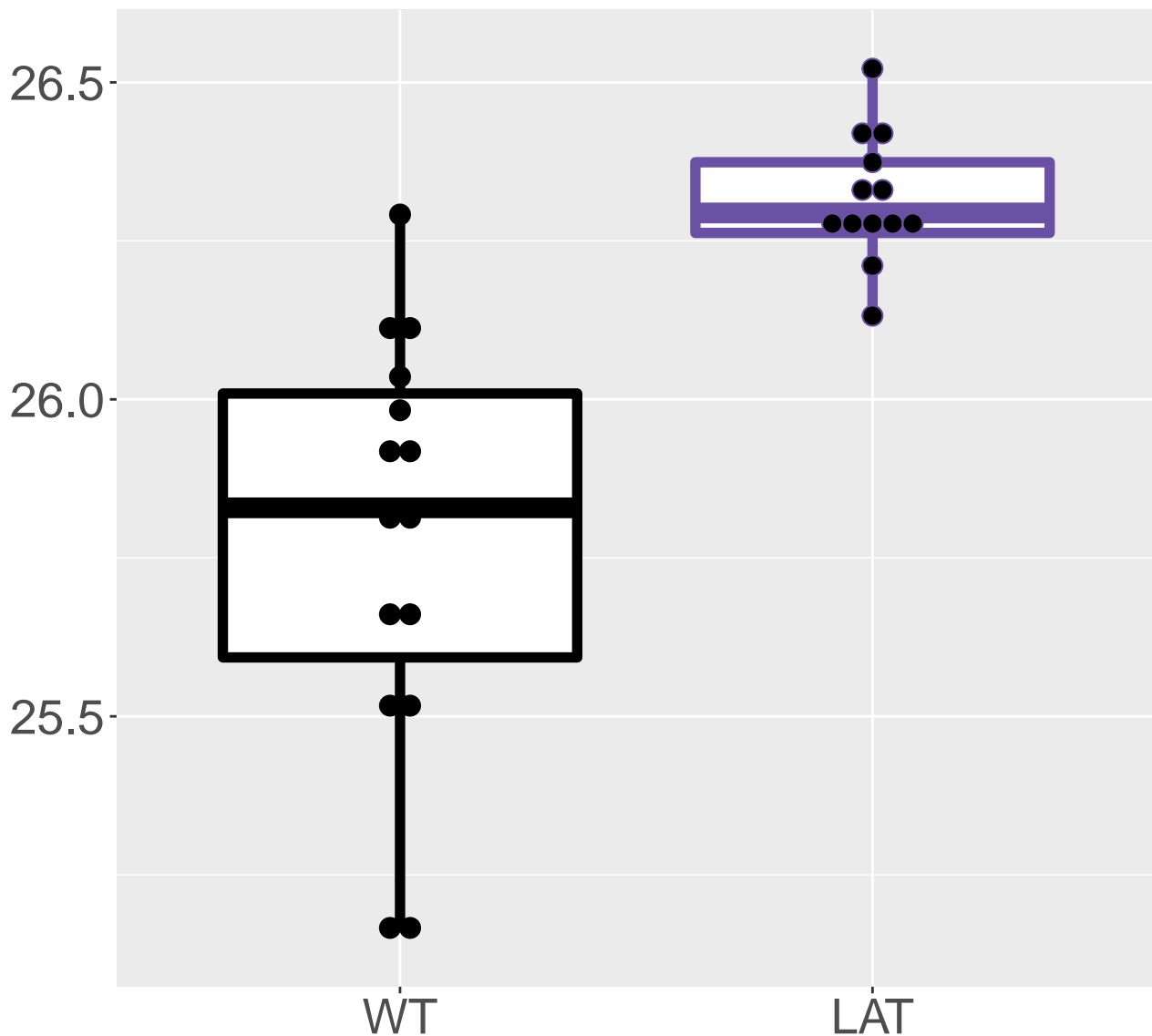


**FDR = 0.00019, FC = -2**



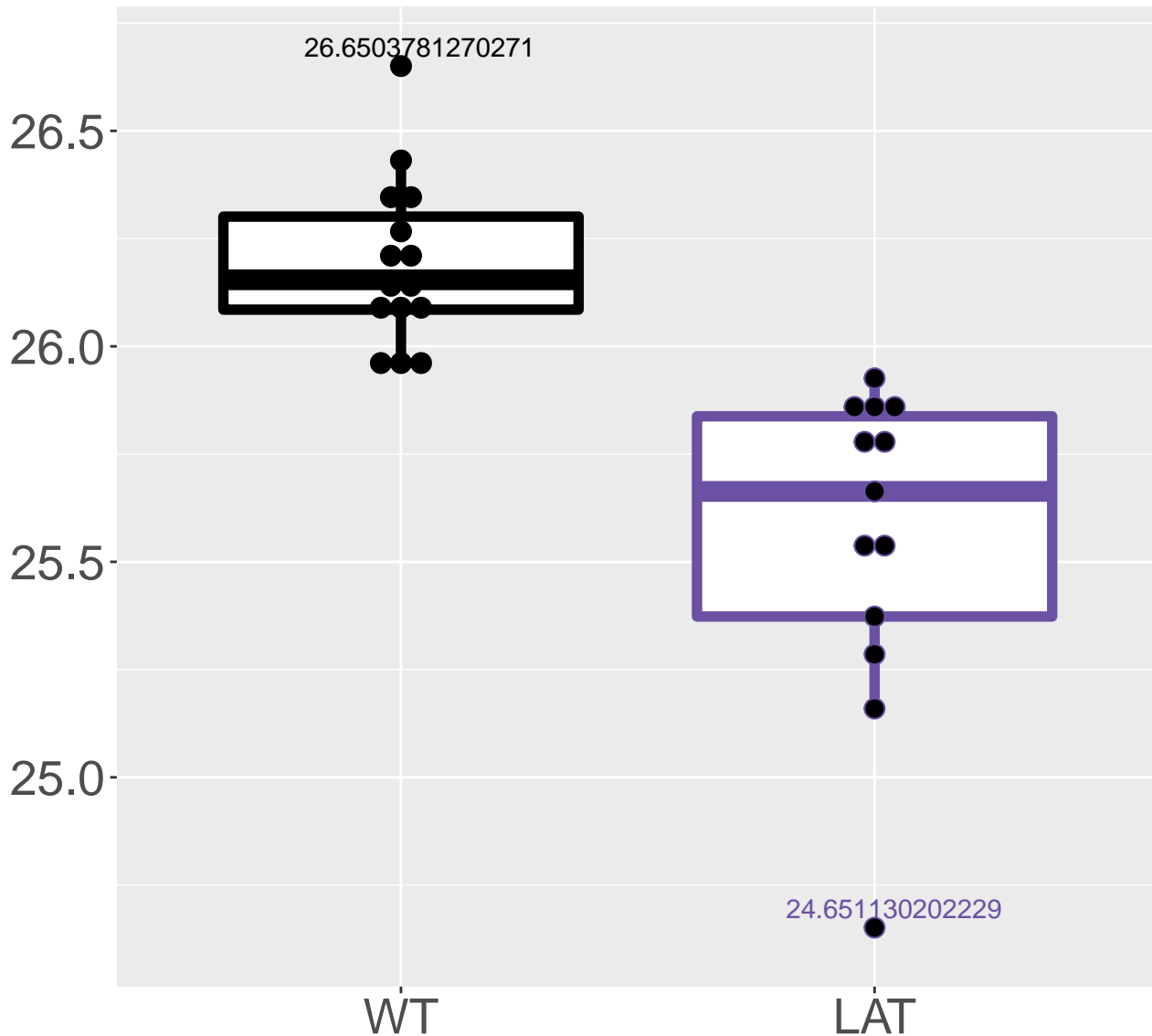
**Inosine**

**FDR = 0.00019, FC = 0.54**



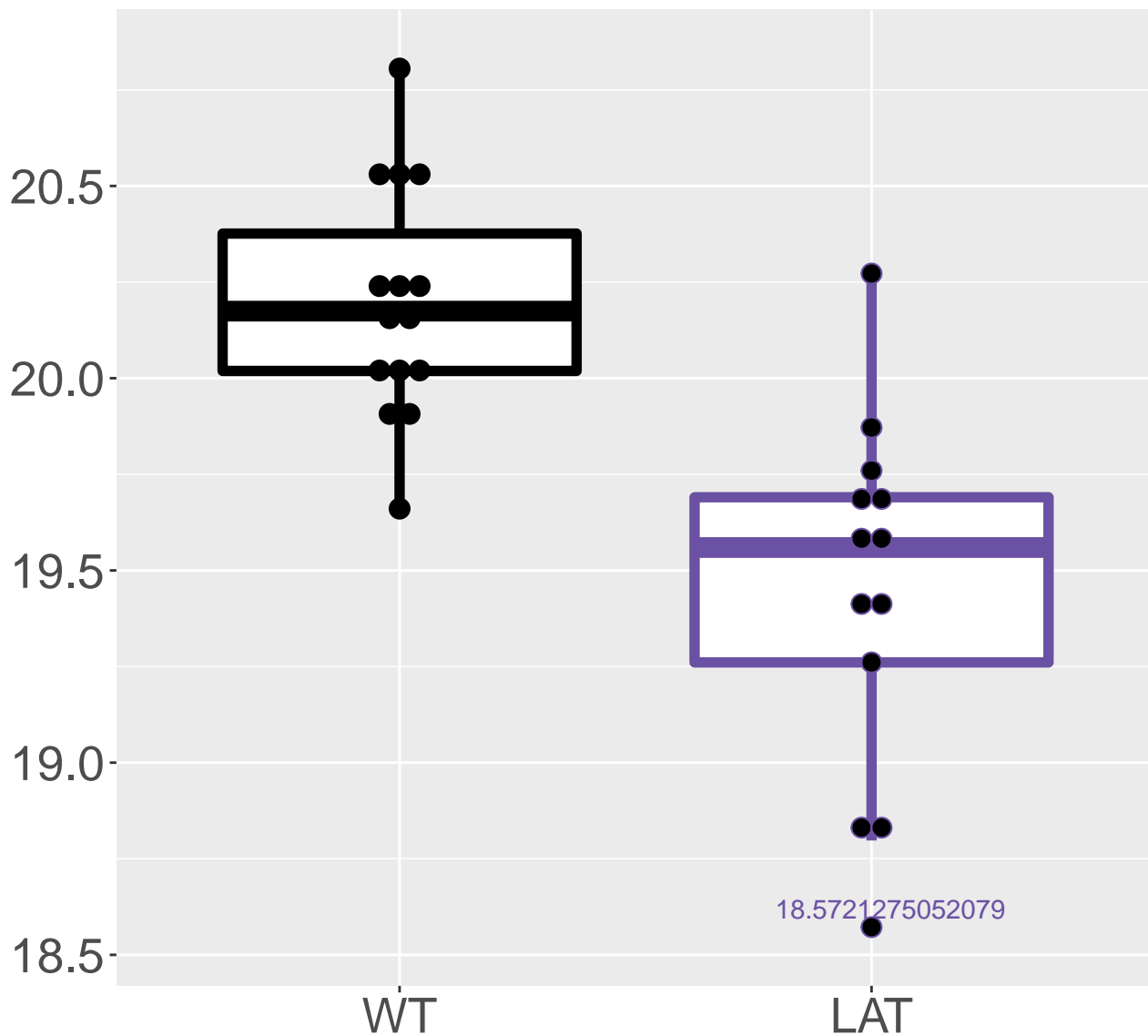
# Tryptophan|L-Tryptophan

FDR =  $2e-04$ , FC =  $-0.64$

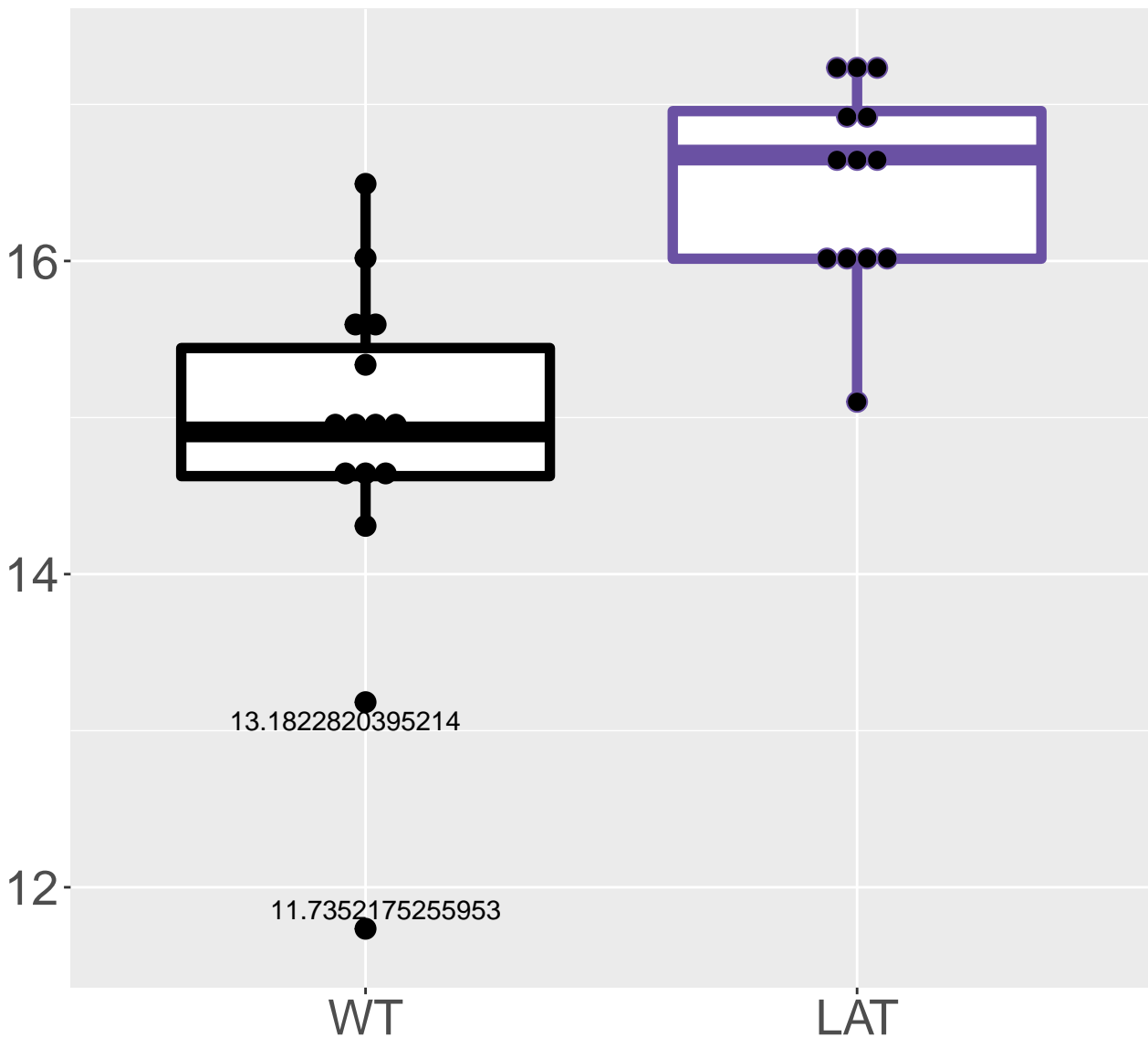


**M222.0982T50.12**

**FDR =  $2e-04$ , FC =  $-0.75$**

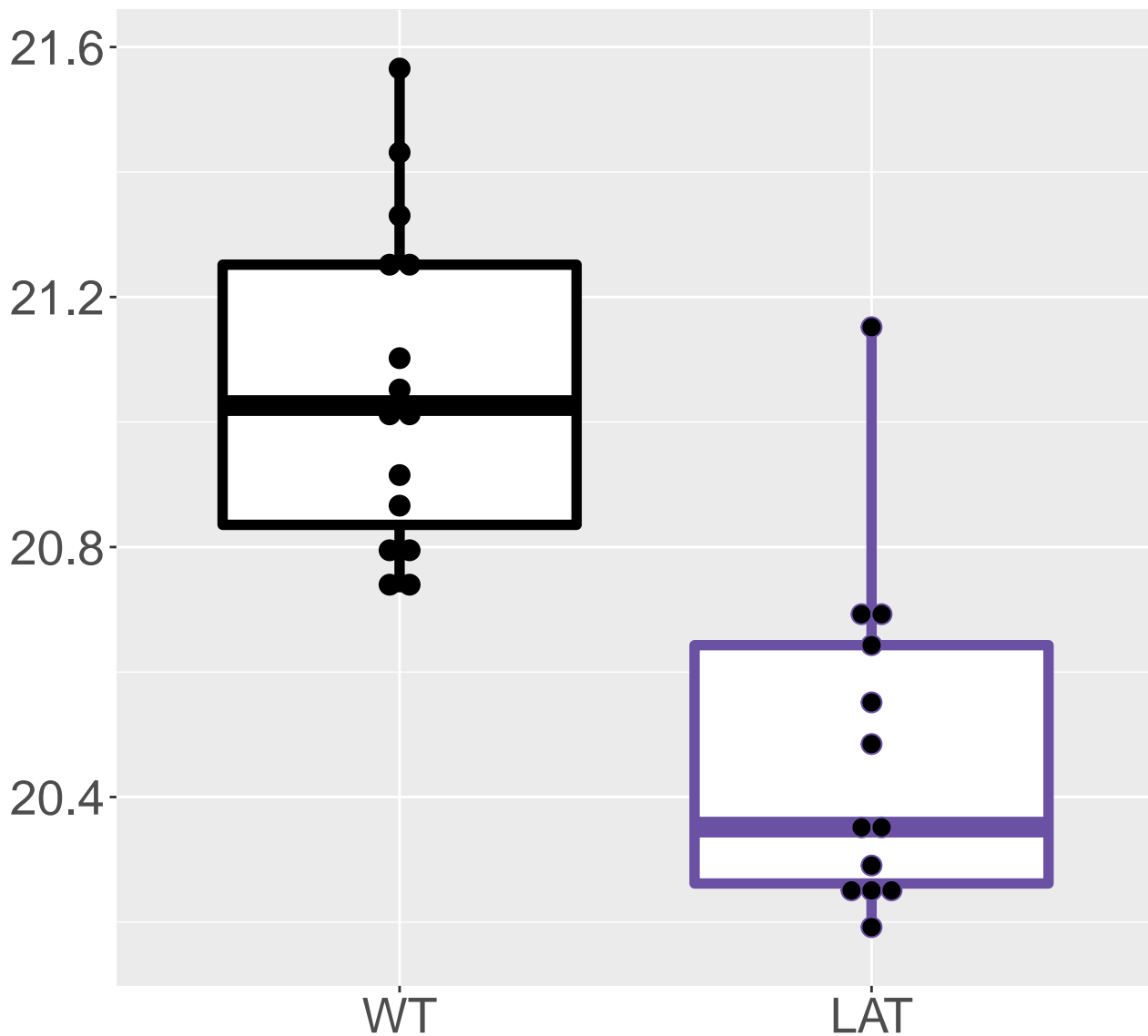


**M597.5596T361.48\_1**  
**FDR = 2e-04, FC = 1.7**

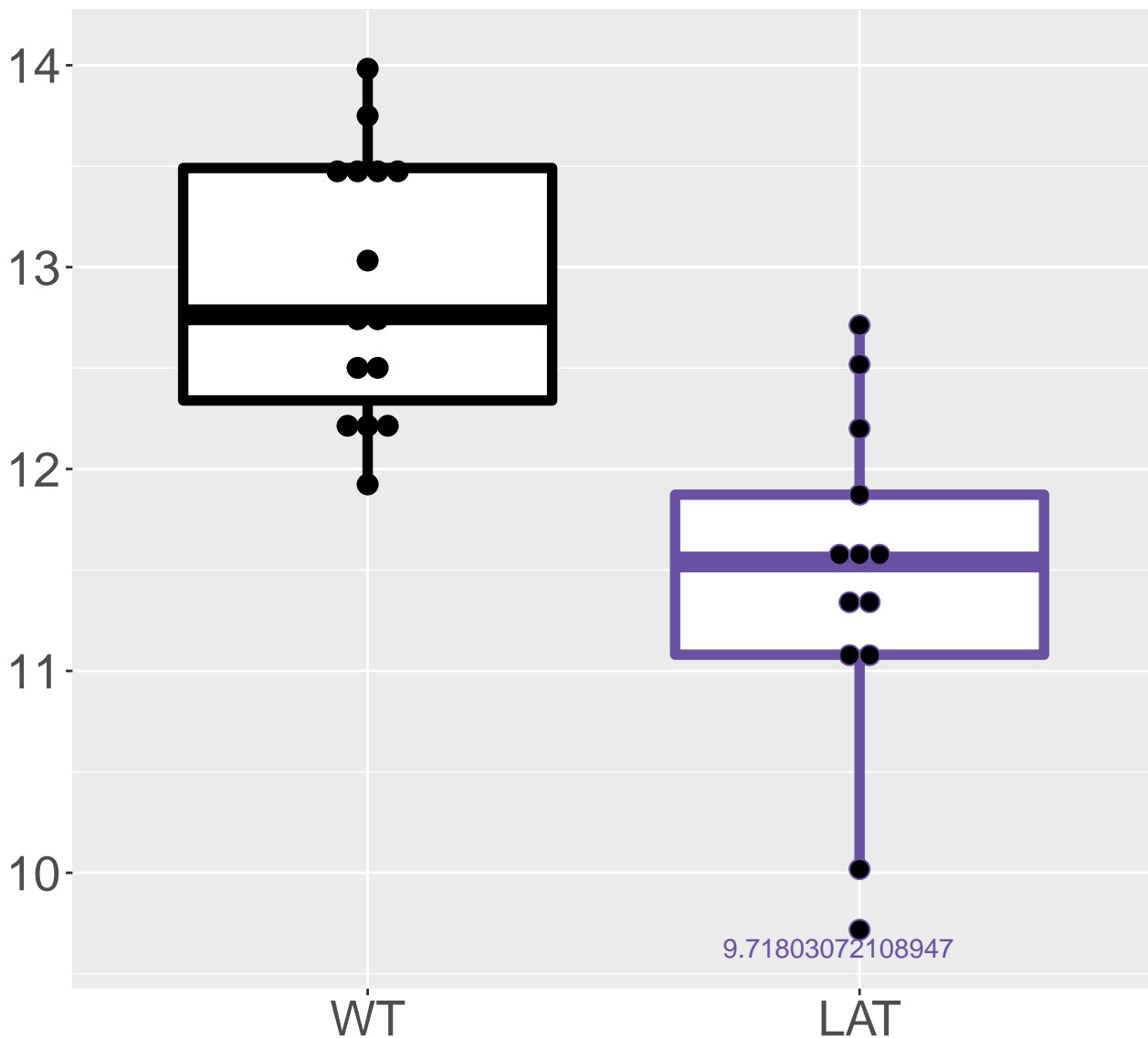


**M527.1609T47.14**

**FDR =  $2e-04$ , FC =  $-0.58$**

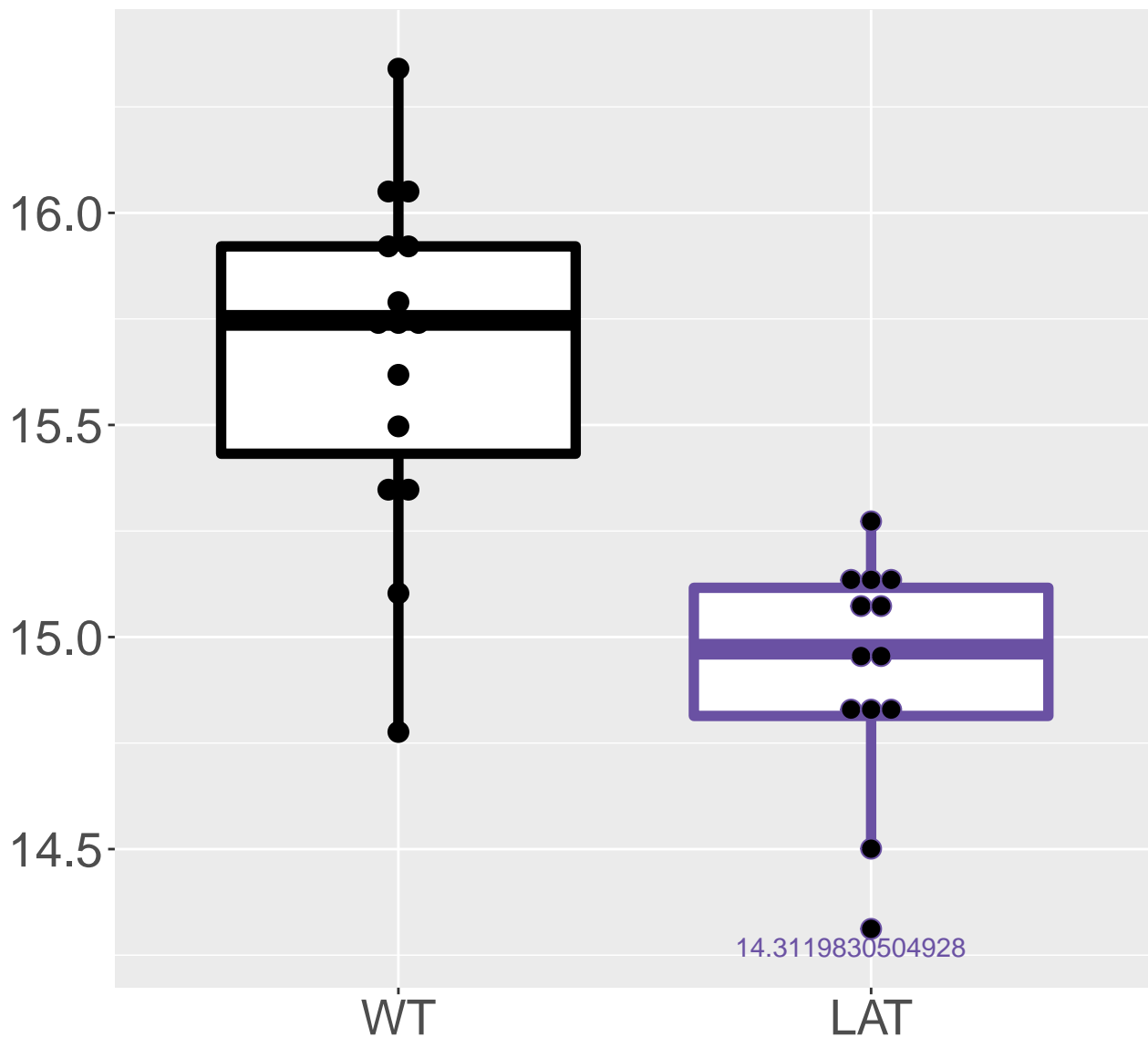


**M378.2261T264.67**  
**FDR = 2e-04, FC = -1.5**



**M693.0863T296.8\_4**

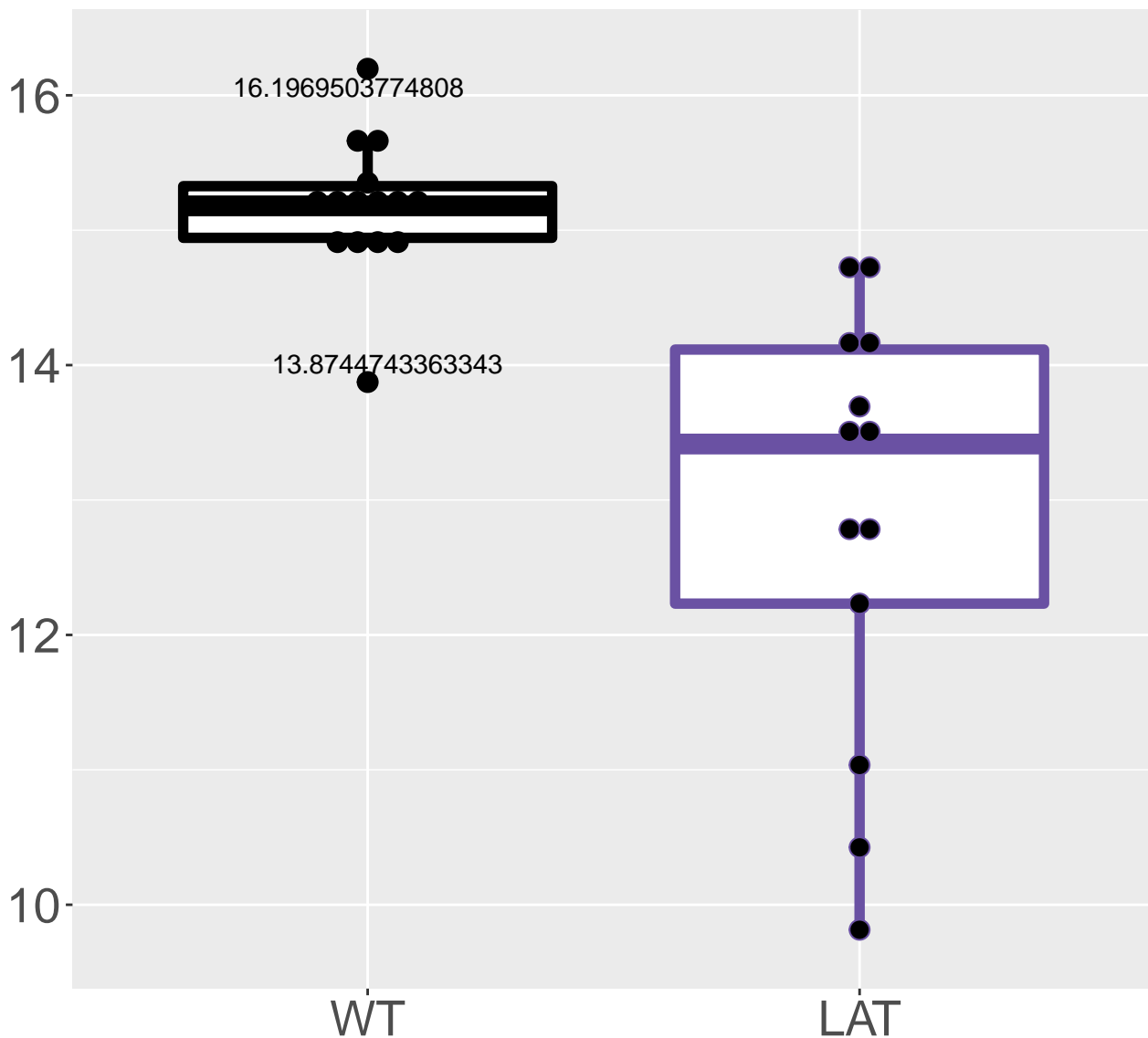
**FDR =  $2e-04$ , FC =  $-0.74$**





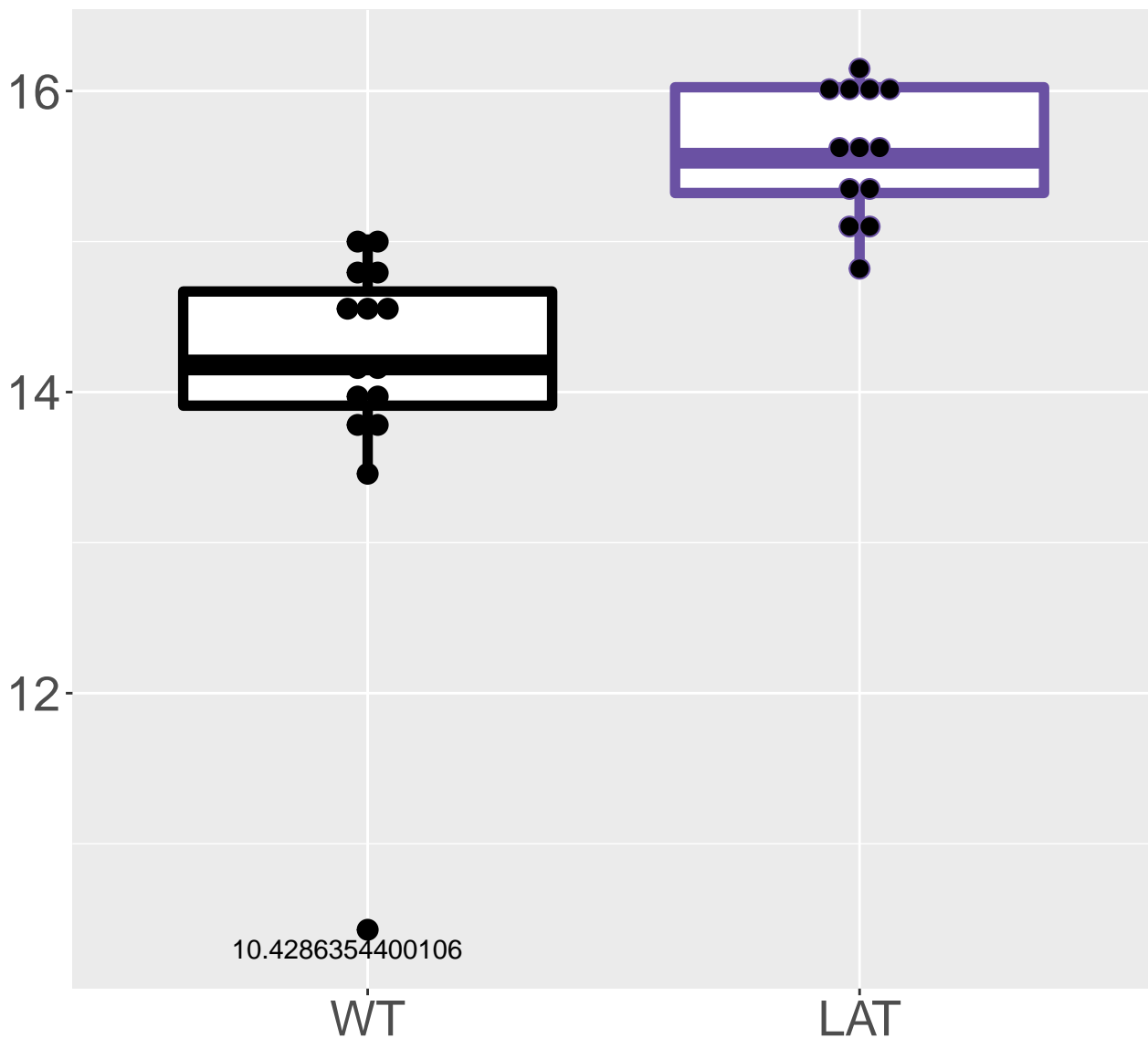
**M509.3179T320.47**

**FDR = 0.00021, FC = -2.3**



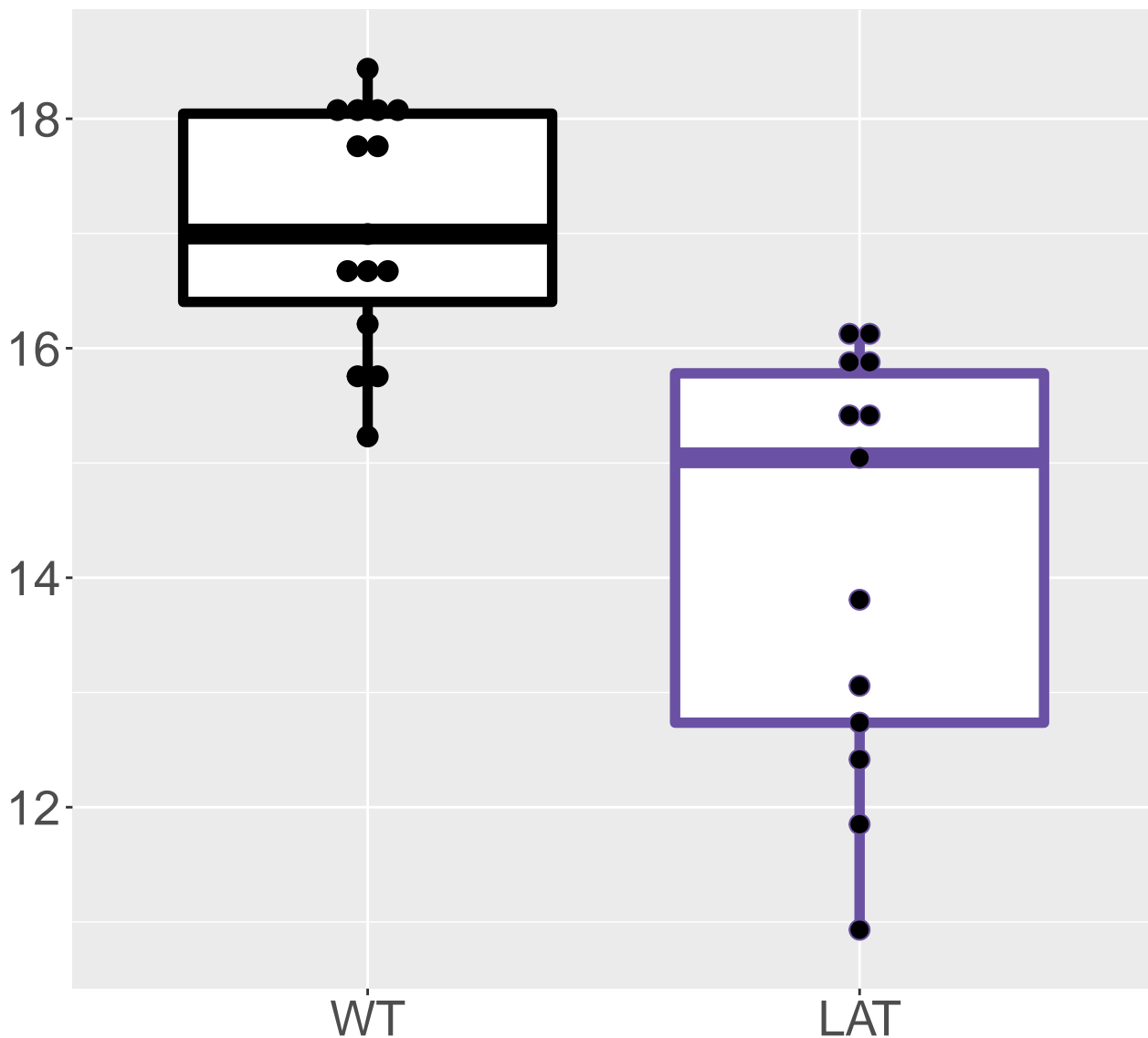
**M757.4133T362.12**

**FDR = 0.00021, FC = 1.5**



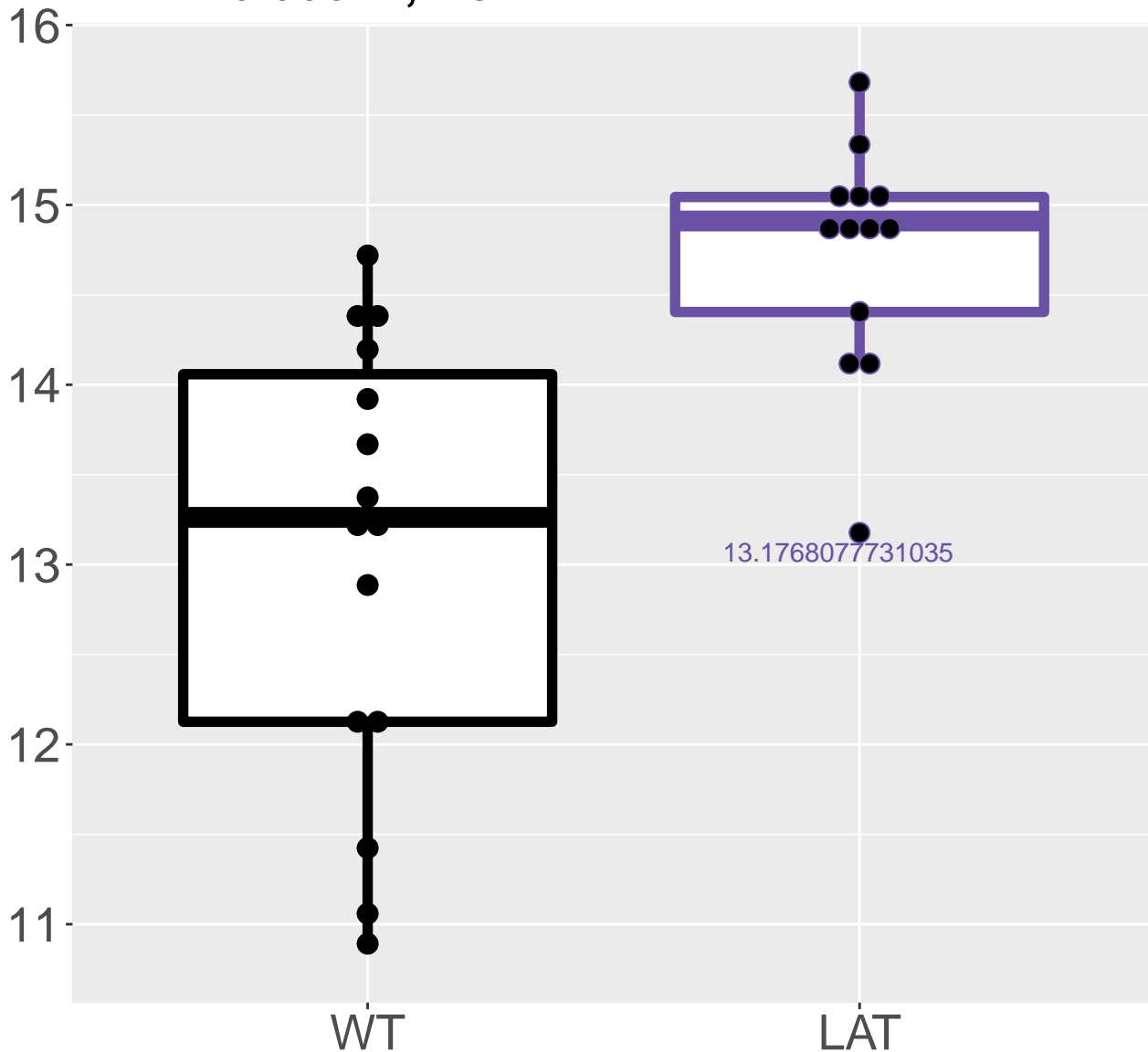
**M599.164T79.76**

**FDR = 0.00021, FC = -2.9**

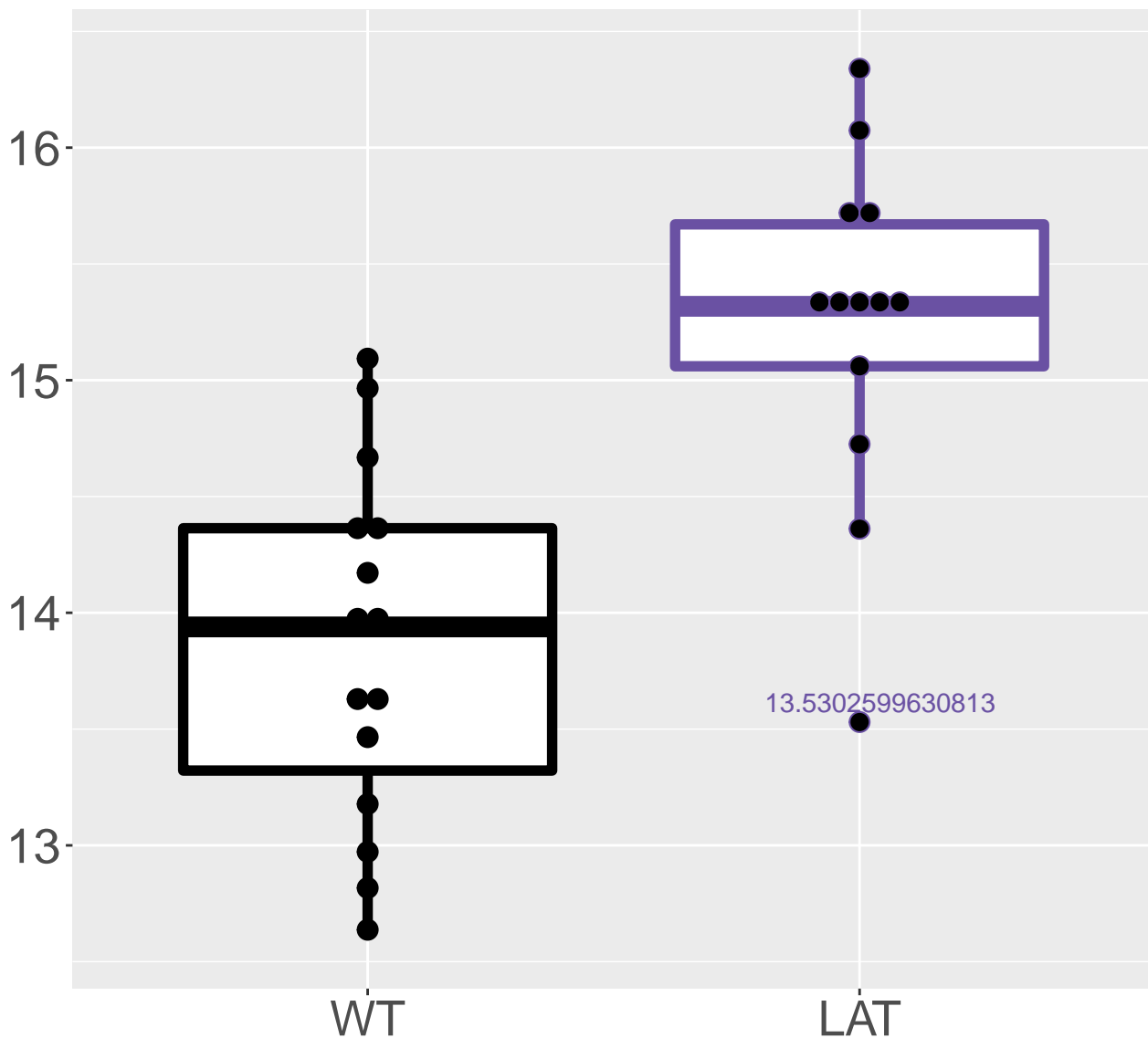


**M789.1092T380.82**

**FDR = 0.00021, FC = 1.7**

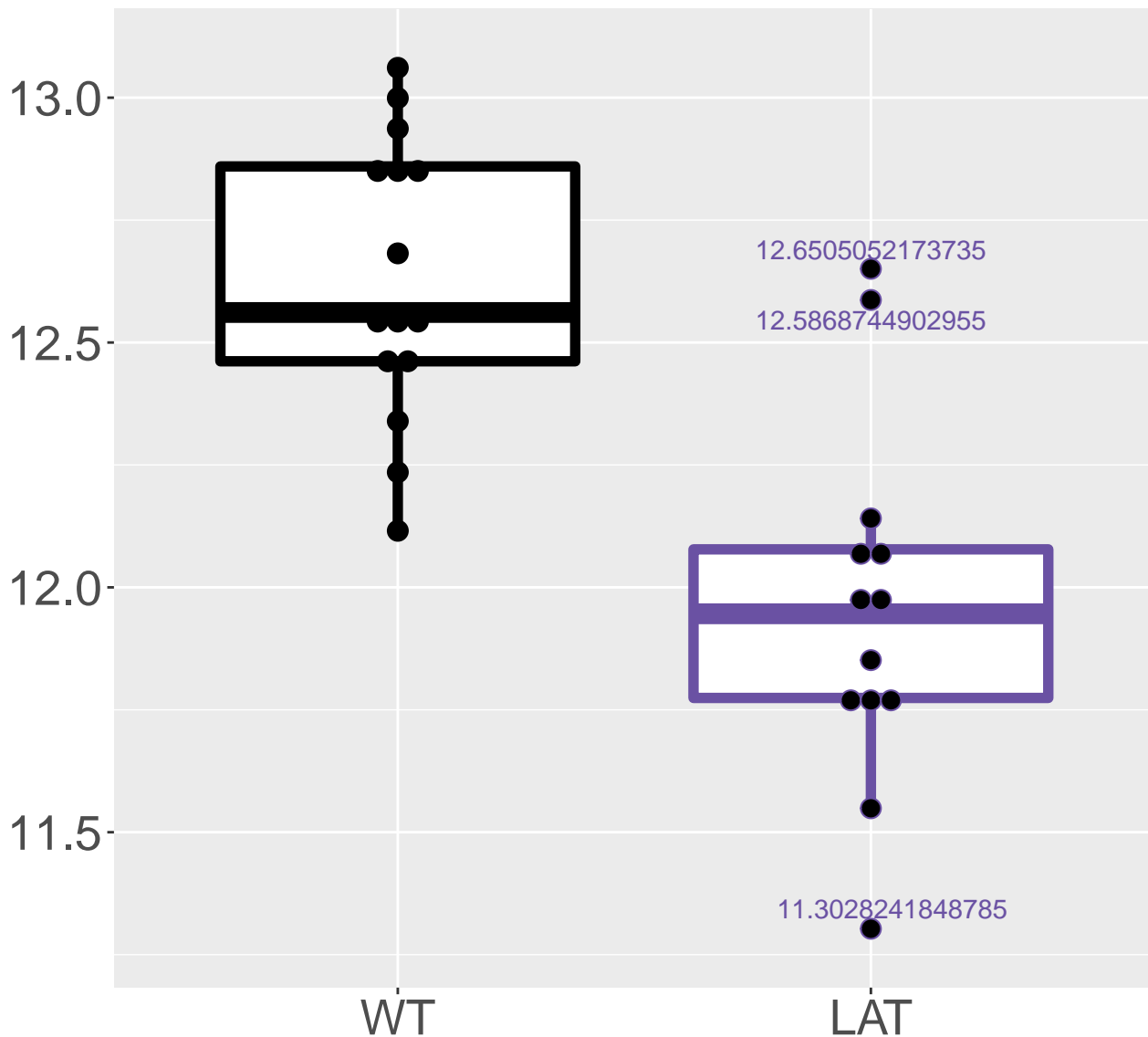


**M575.3211T330.49\_3**  
**FDR = 0.00021, FC = 1.4**



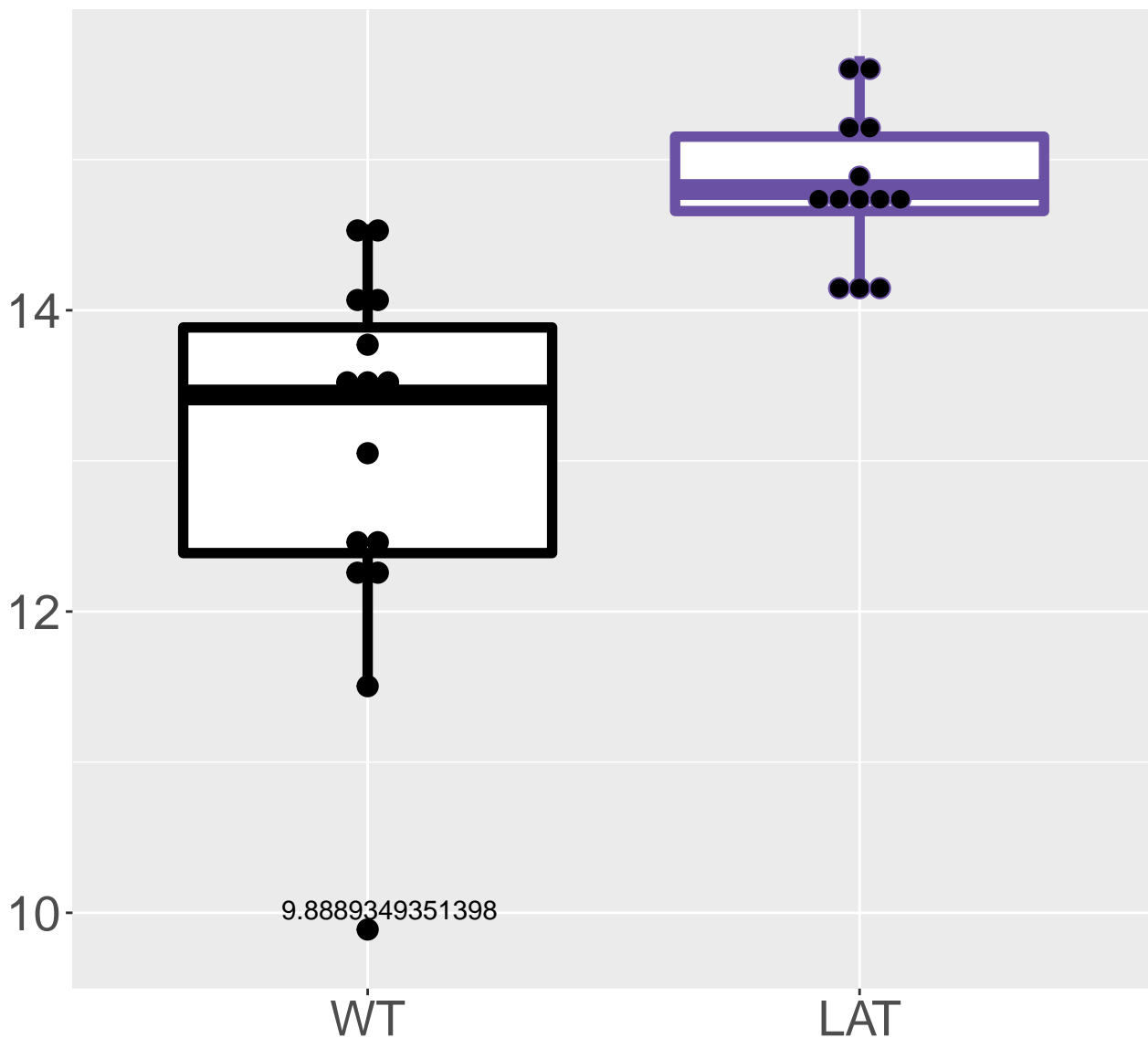
**M356.0839T141.99**

**FDR = 0.00021, FC = -0.67**



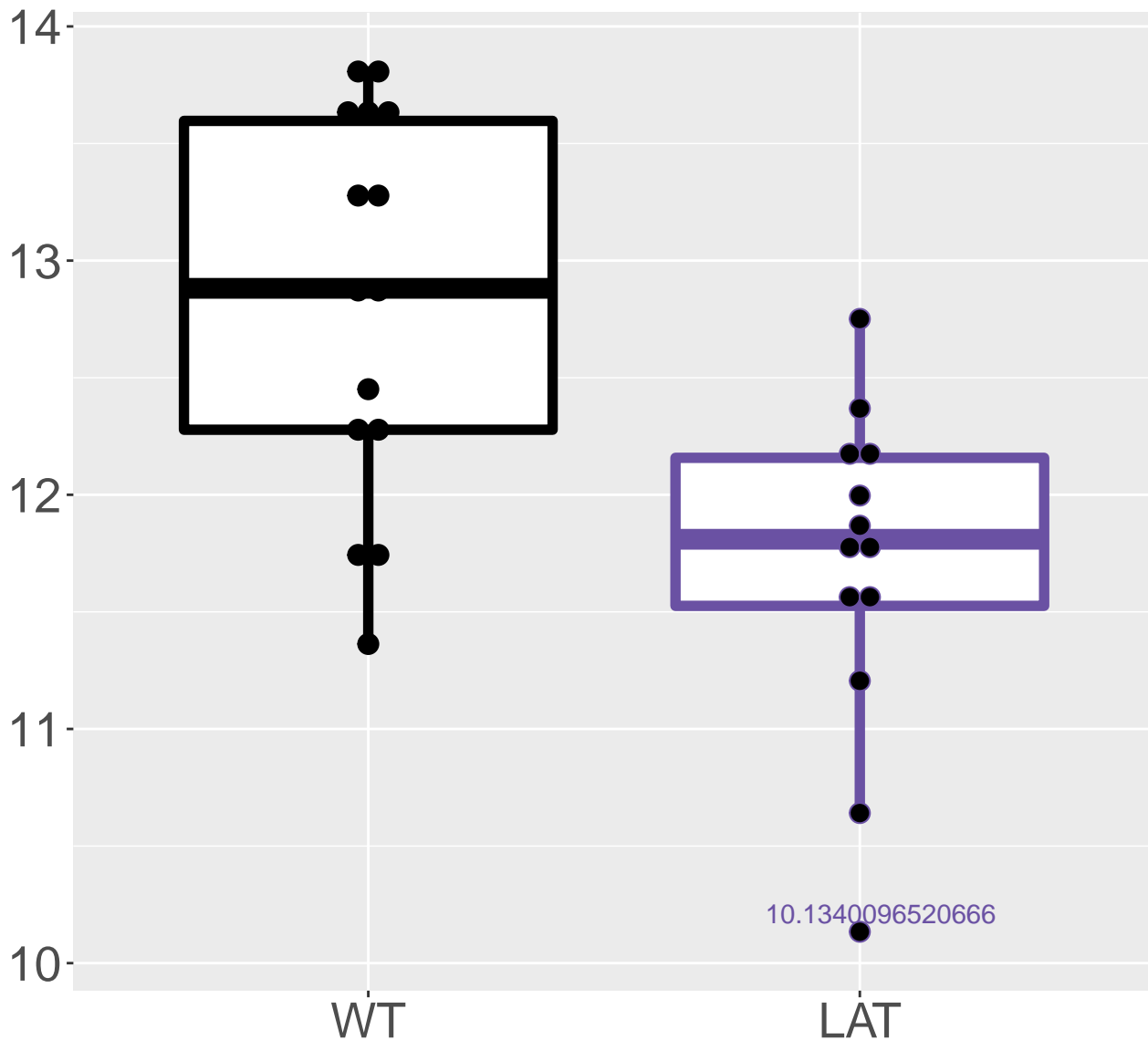
**M575.488T330.46\_4**

**FDR = 0.00021, FC = 1.8**



**M201.0703T158.21**

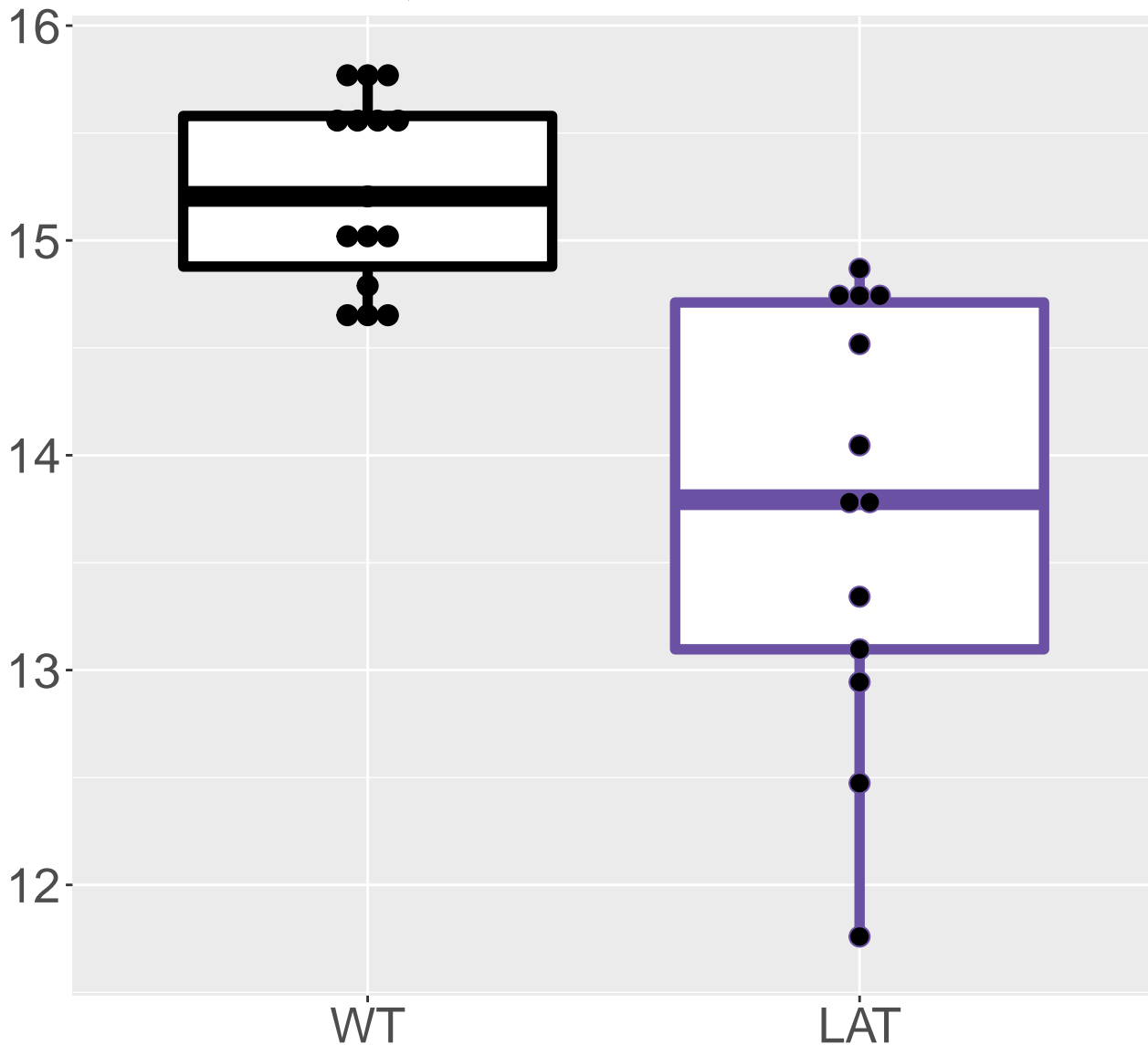
**FDR = 0.00021, FC = -1.2, sex\*\***





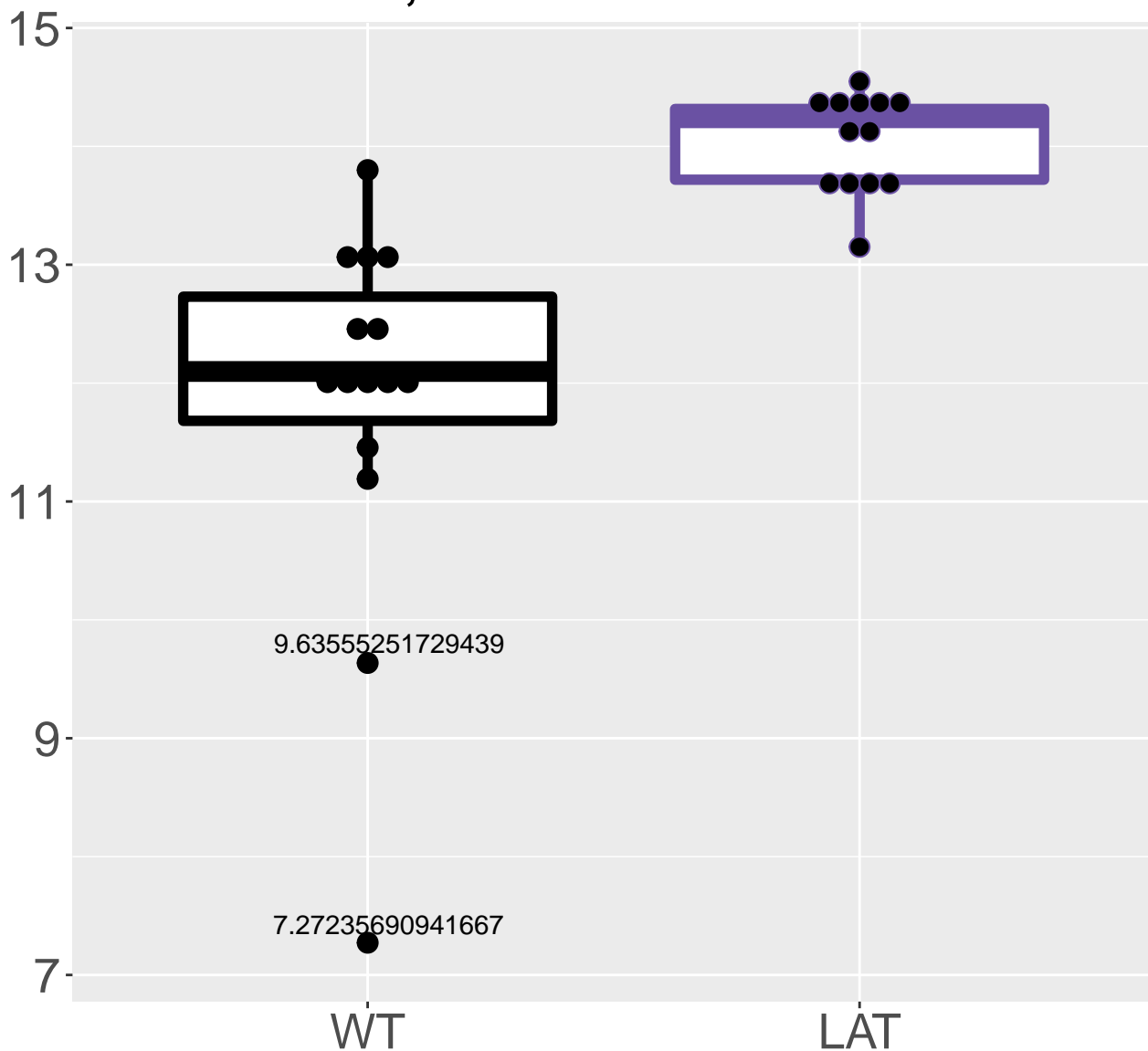
**M601.3185T307.61**

**FDR = 0.00021, FC = -1.5**



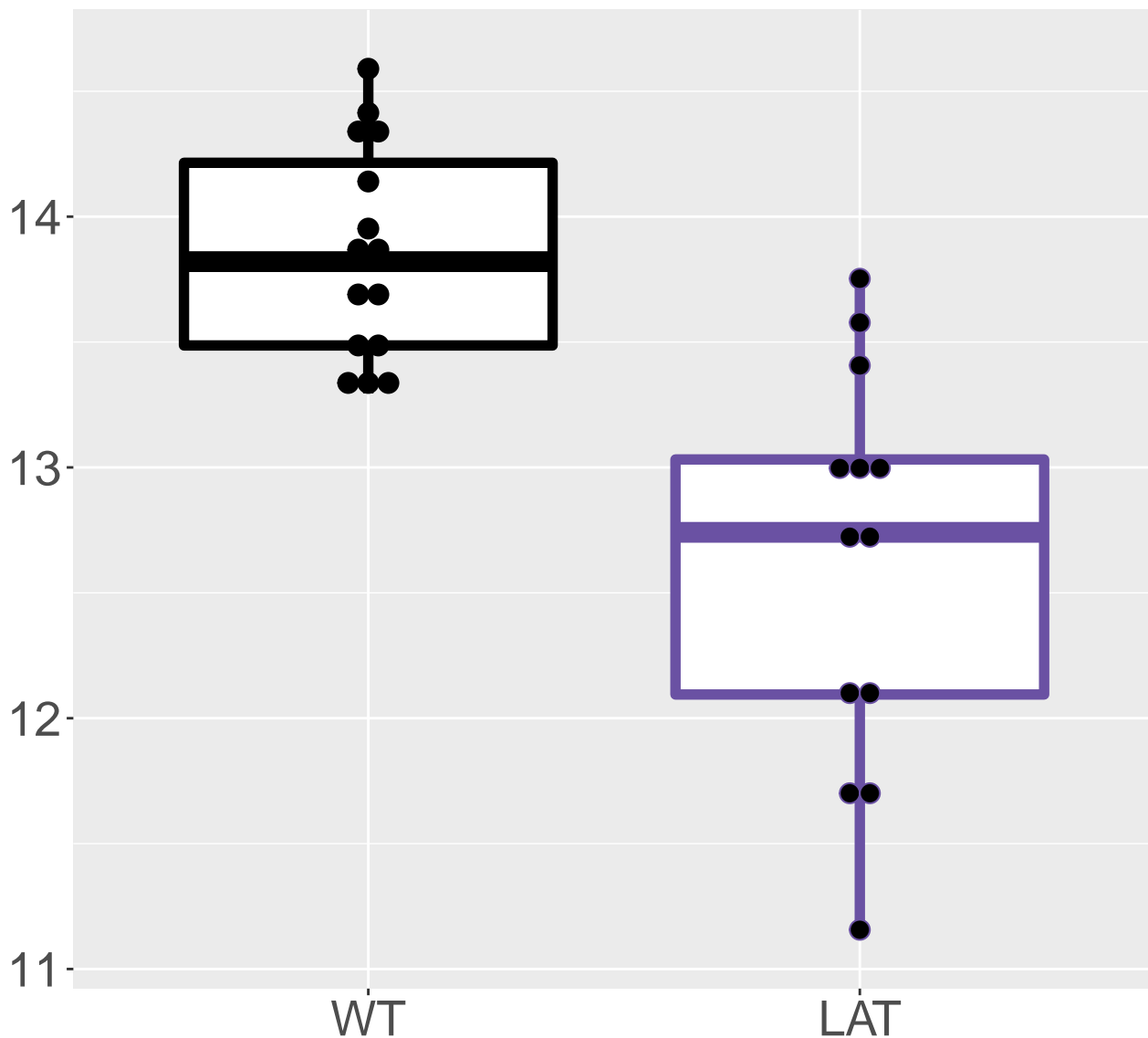
**M572.2736T194.54**

**FDR = 0.00021, FC = 2.2**



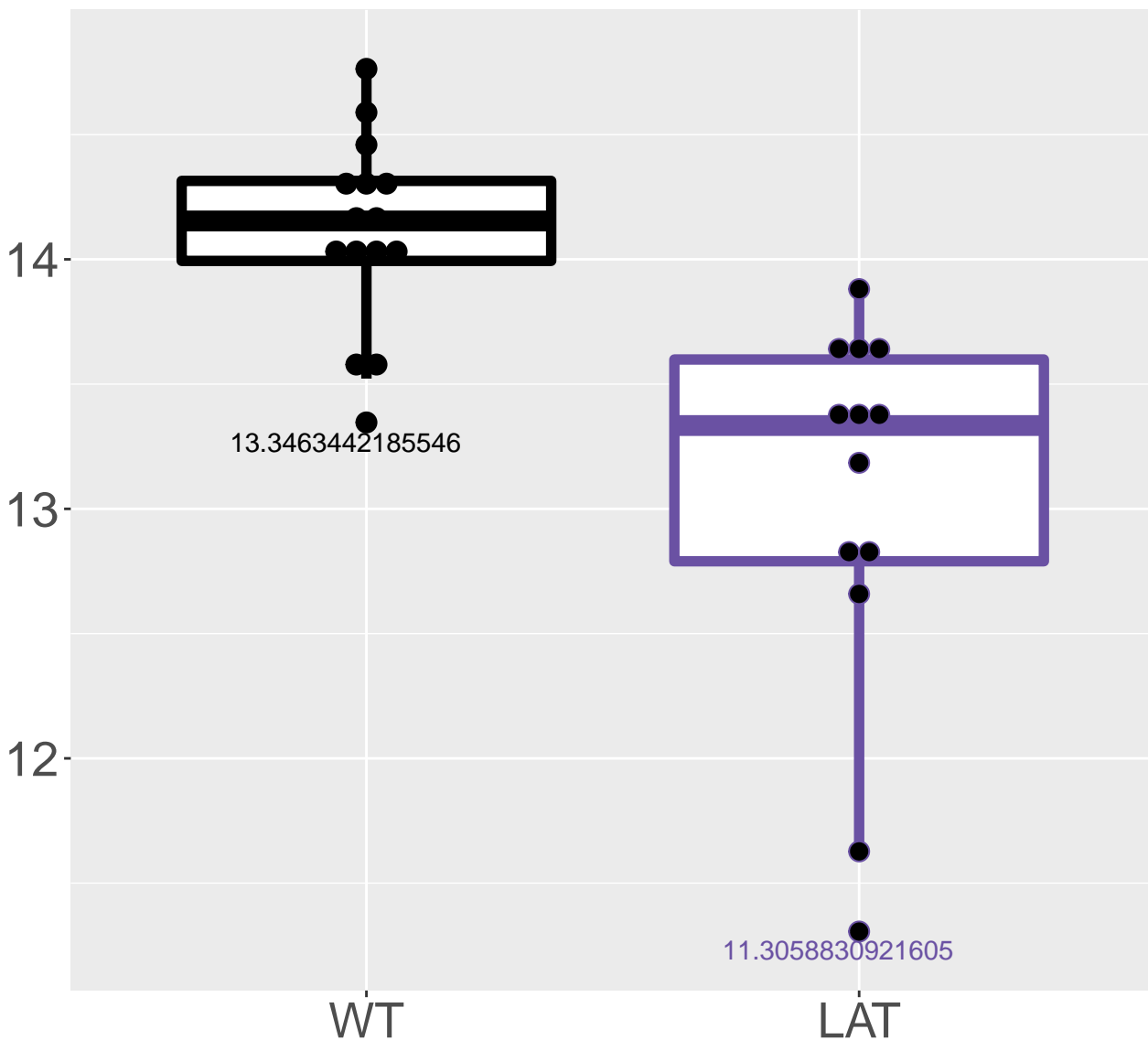
**M340.7104T261.54**

**FDR = 0.00021, FC = -1.2**



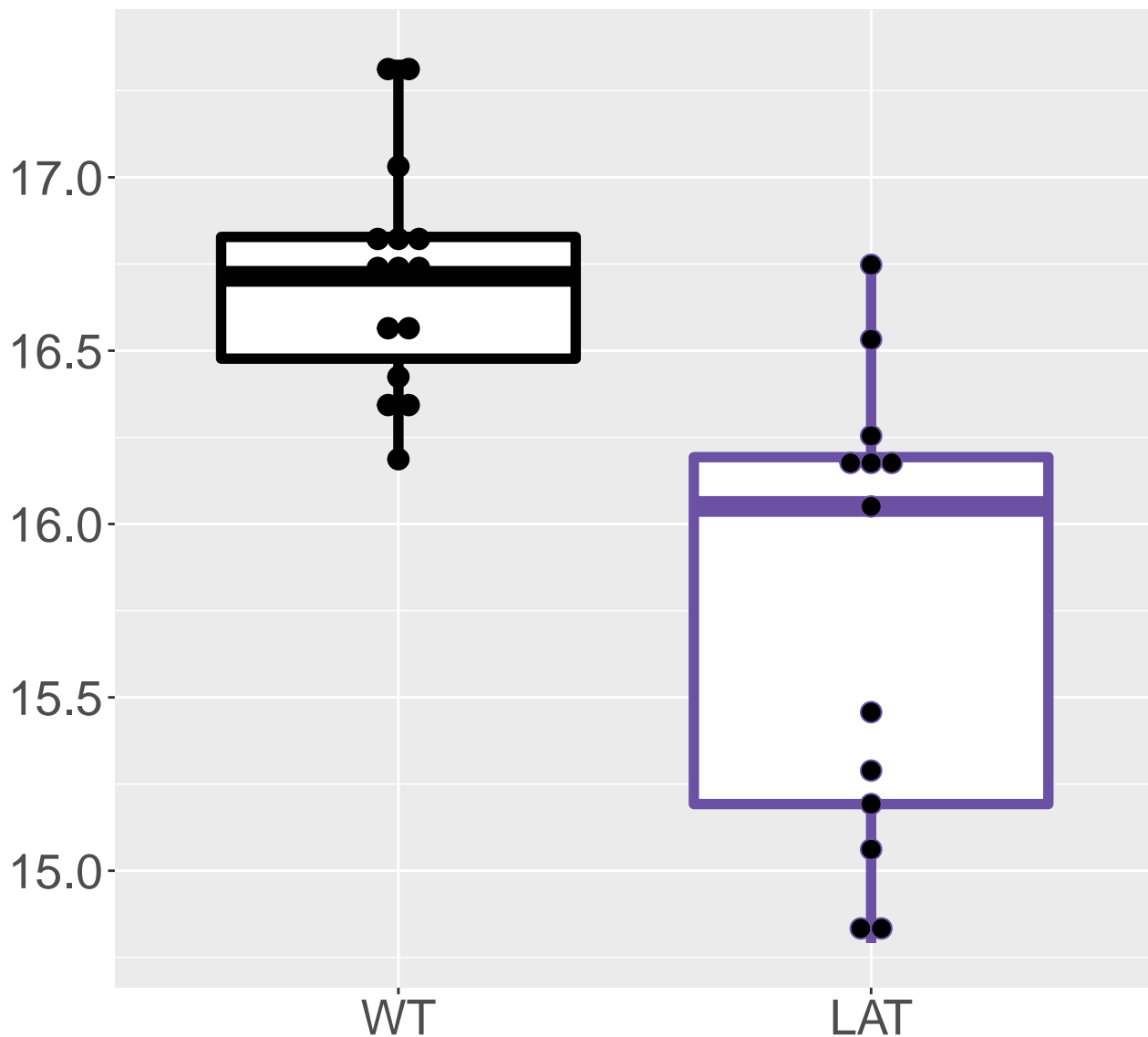
**M377.0982T43.29**

**FDR = 0.00021, FC = -1.1, sex\***

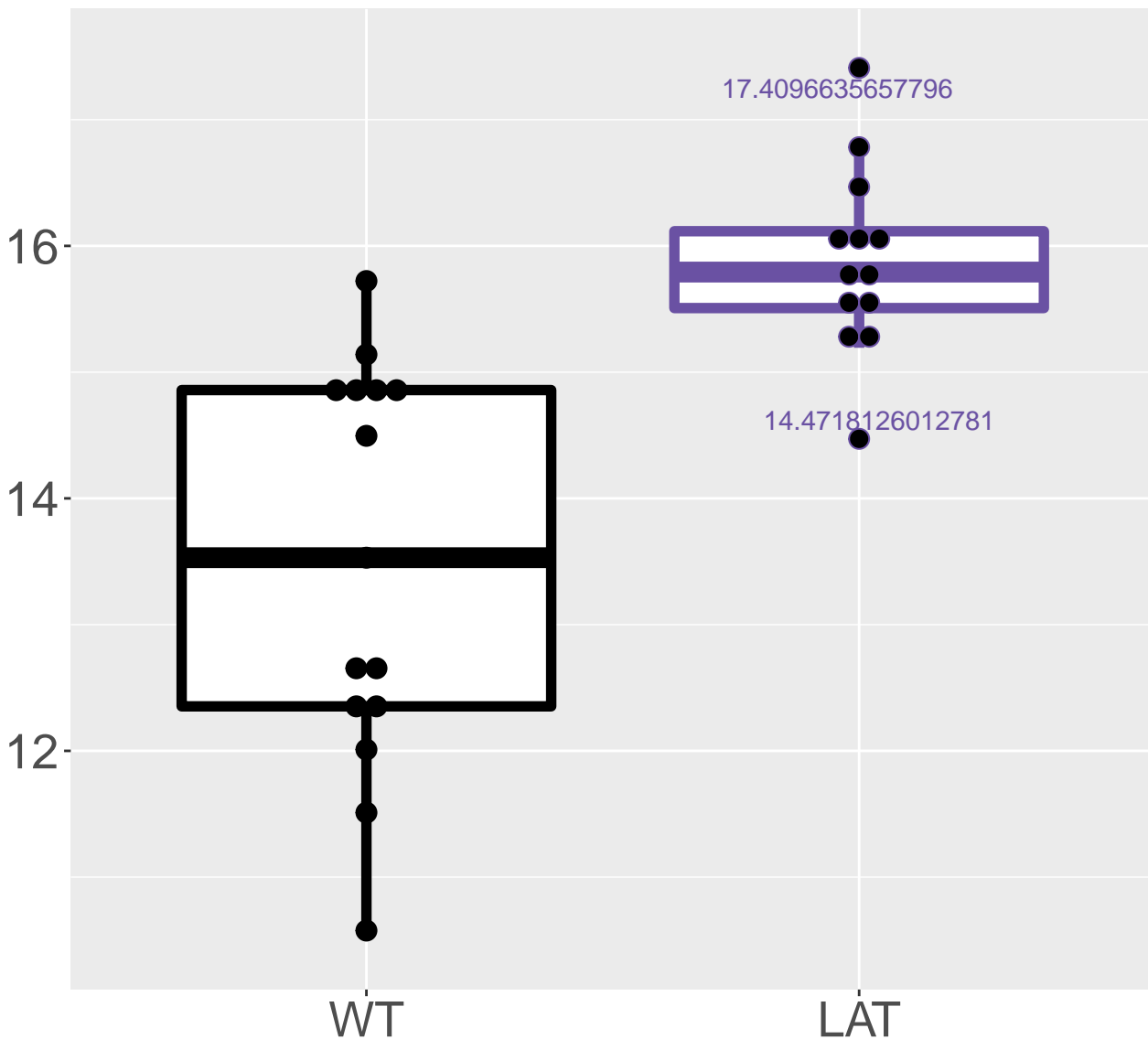


**M302.125T113.82**

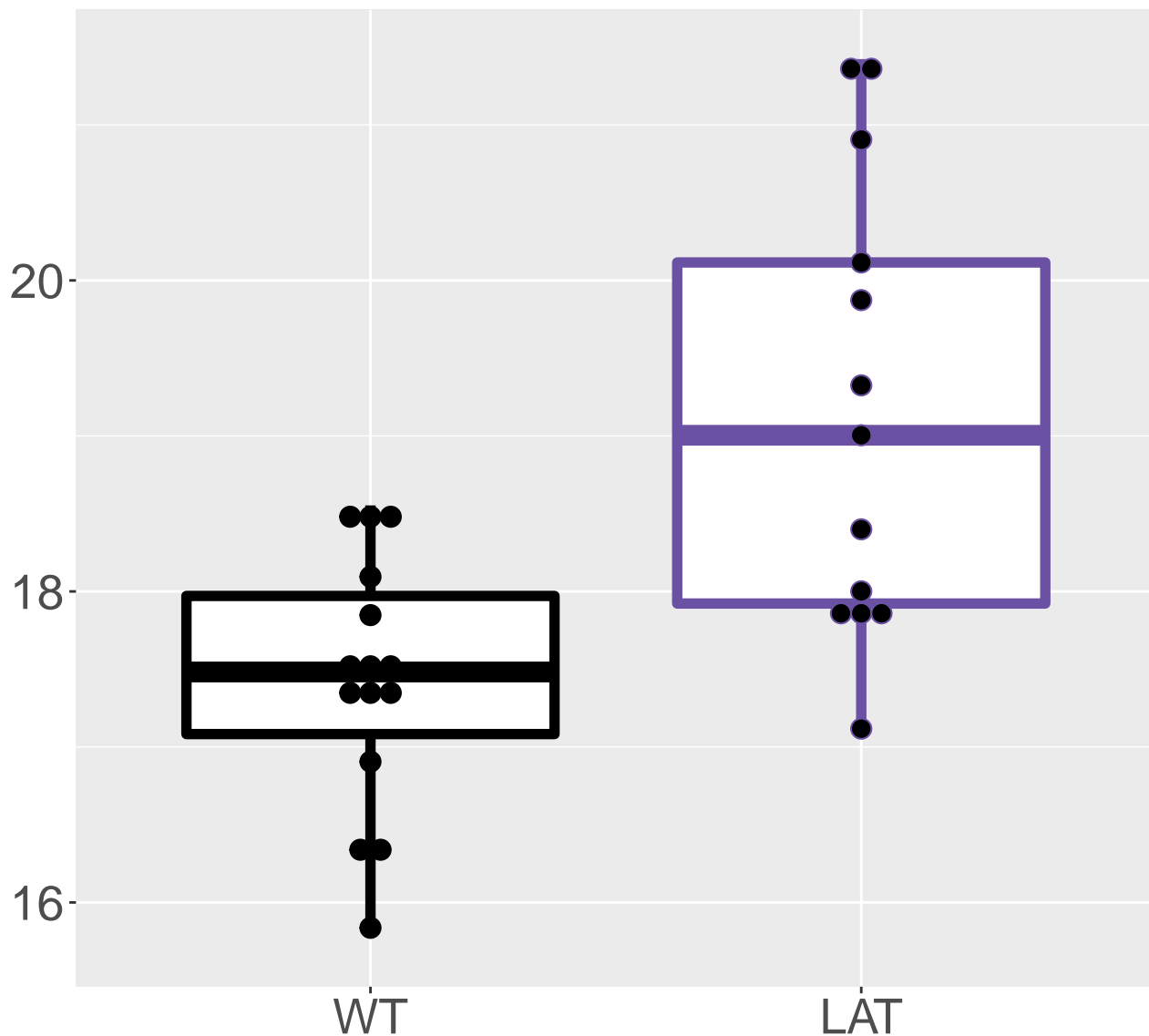
**FDR = 0.00021, FC = -0.96**



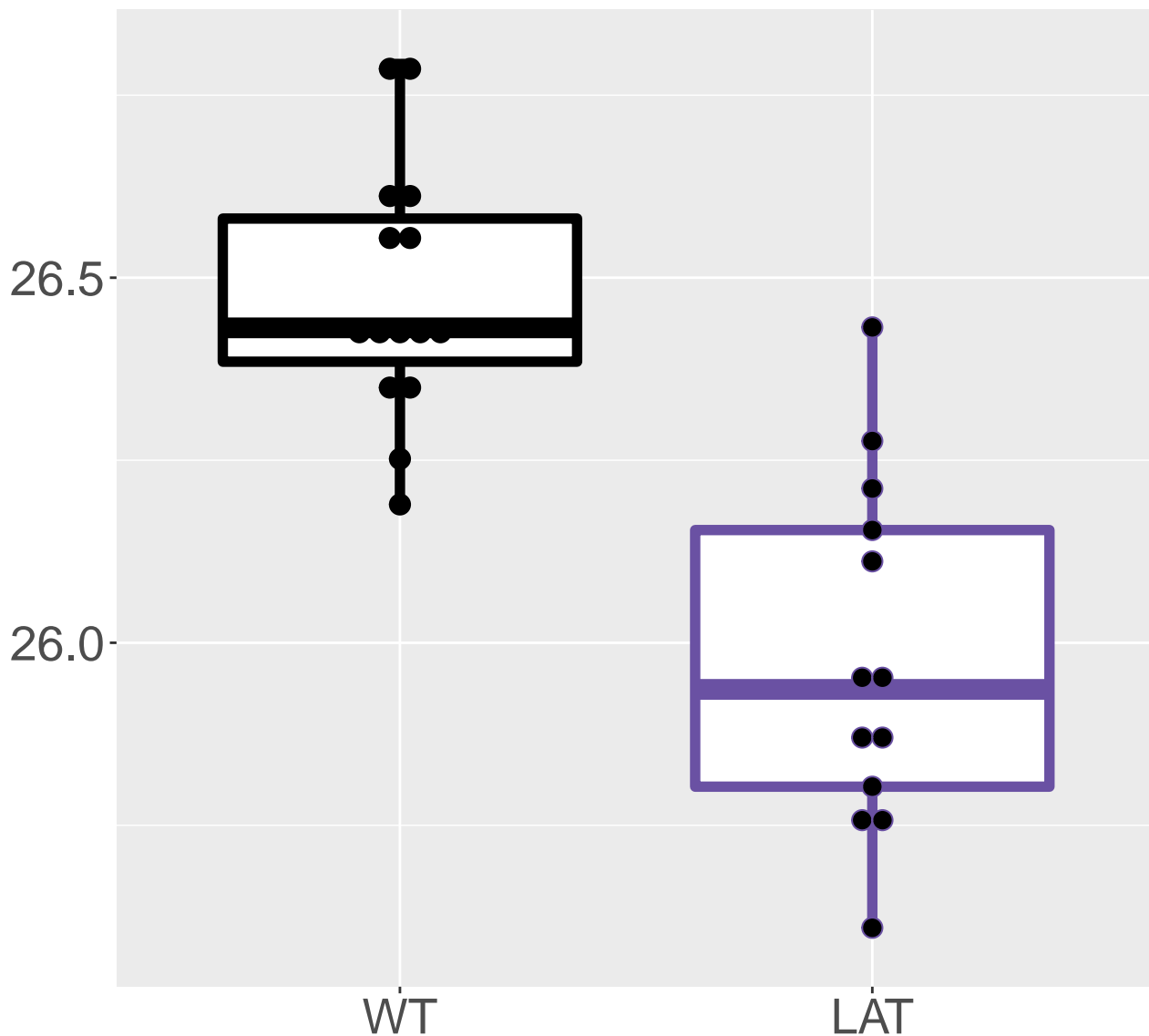
**M318.096T53.12**  
**FDR = 0.00021, FC = 2.4**



**GMP;Guanosine 5'-monophosphate;Guanosine**  
**FDR = 0.00021, FC = 1.7, sex\*\*\***



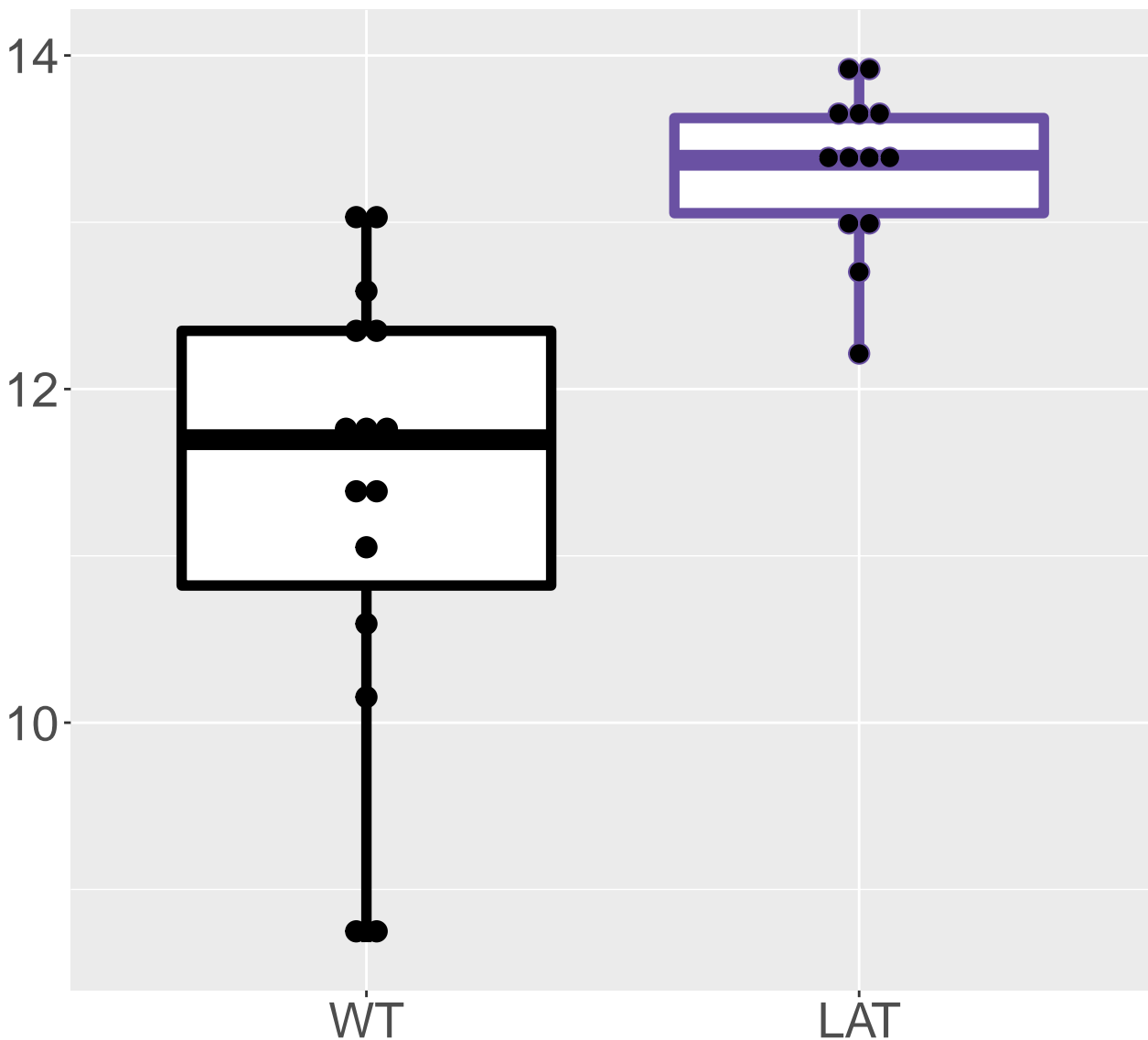
**L-Methionine;Methionine|D-Penicillamine**  
**FDR = 0.00022, FC = -0.5**





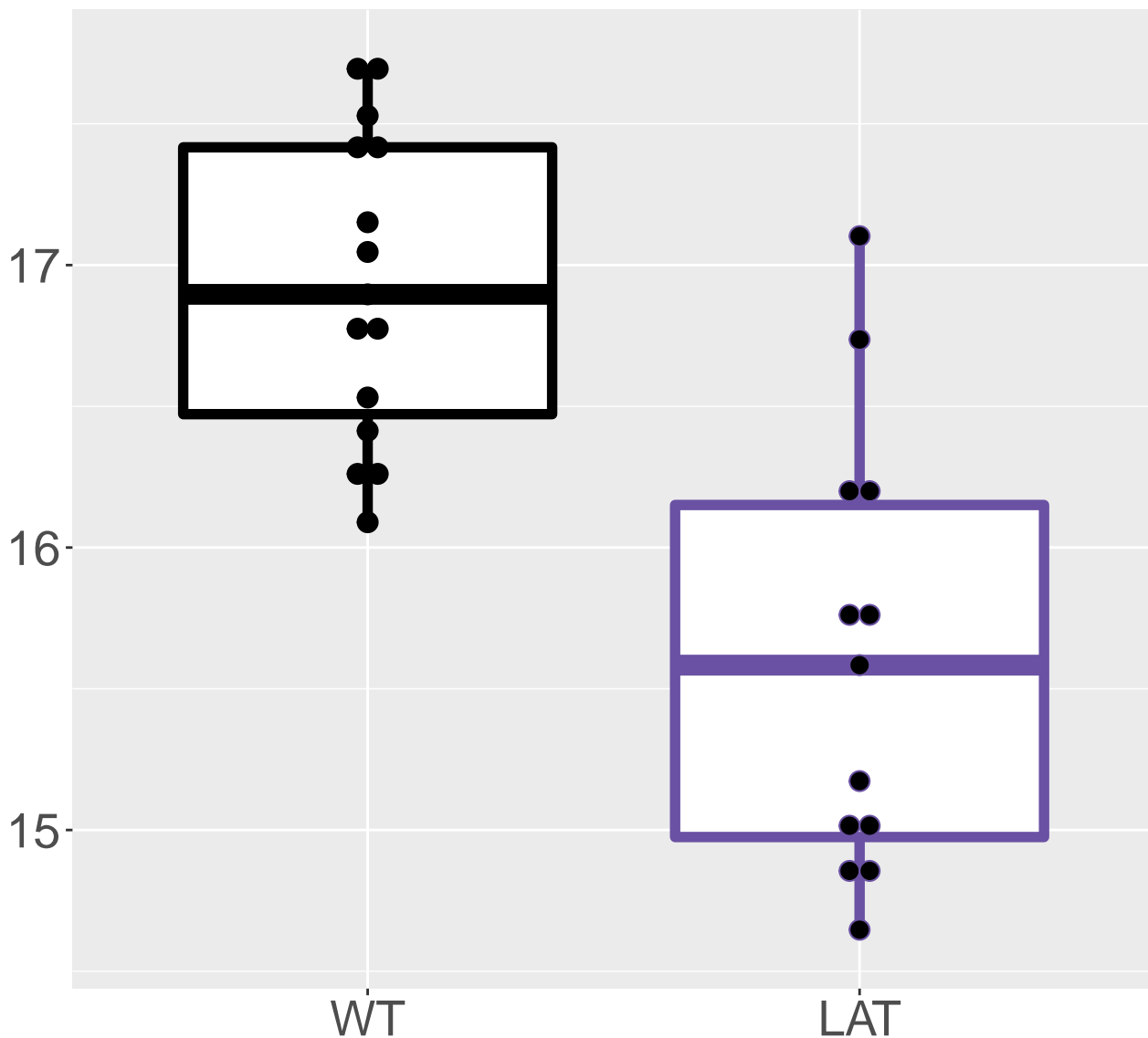
**M493.1332T330.24**

**FDR = 0.00022, FC = 1.9**

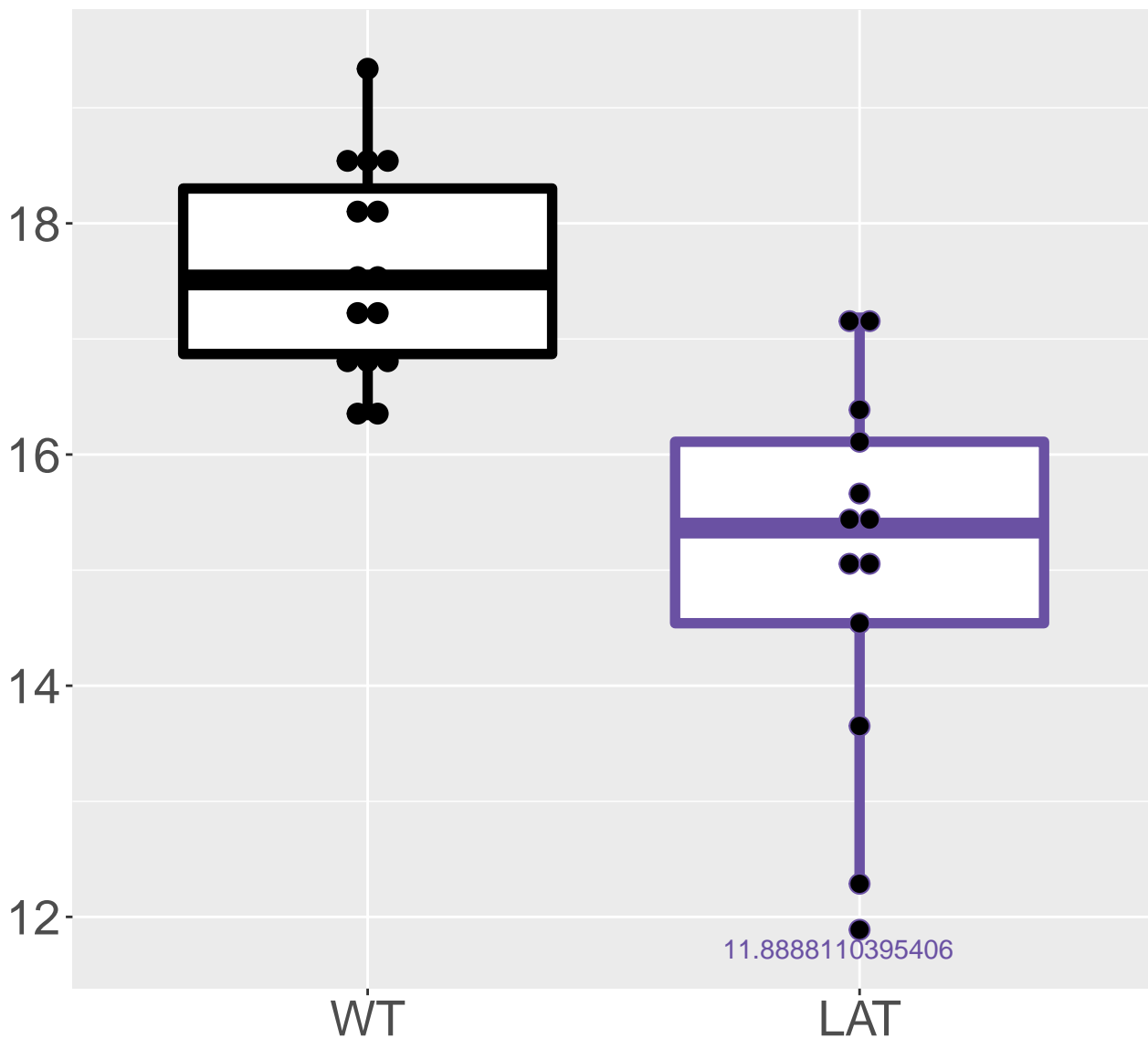


**M975.3208T56.08**

**FDR = 0.00023, FC = -1.3**

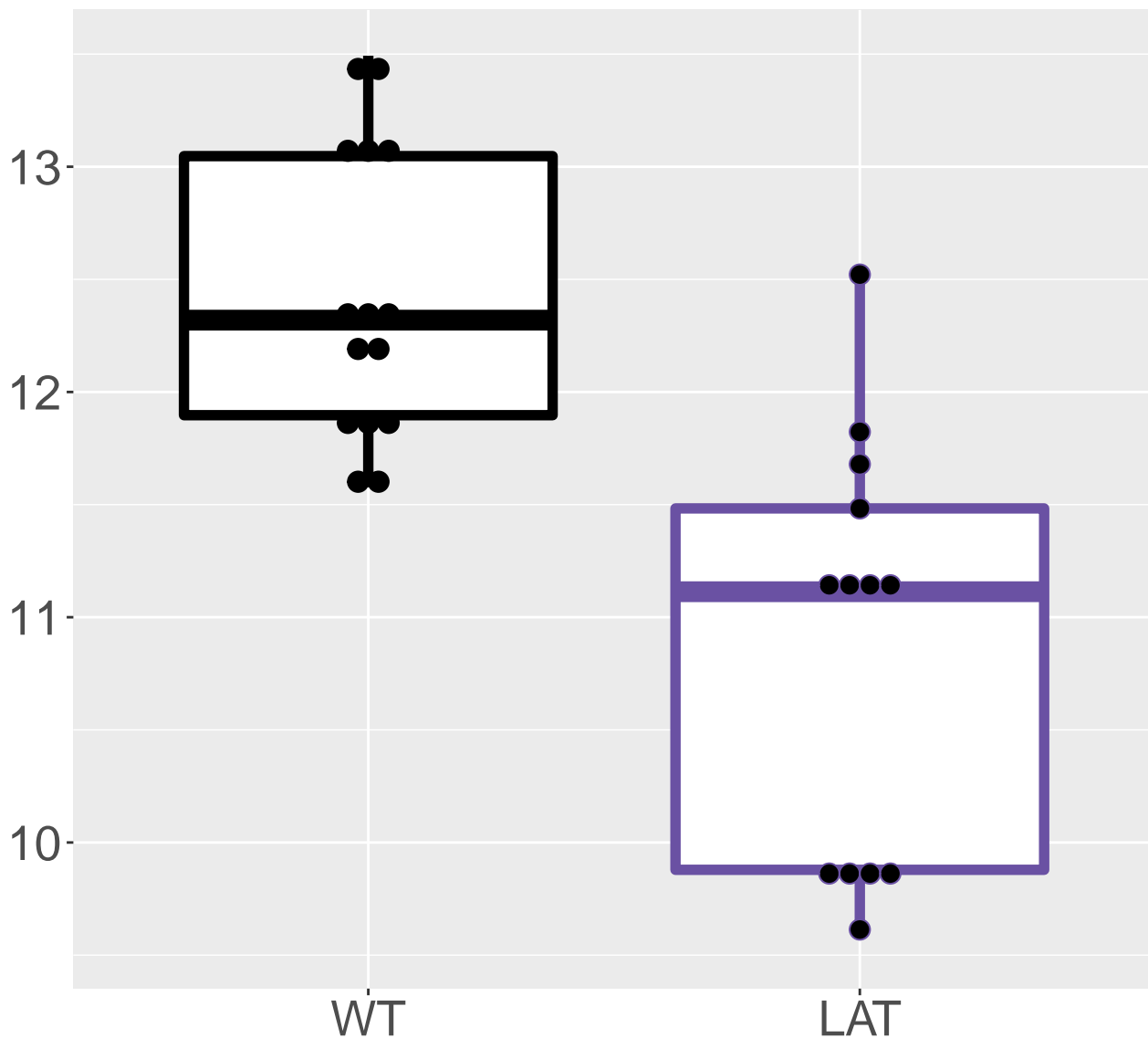


**M507.7789T336.91\_1**  
**FDR = 0.00023, FC = -2.5**



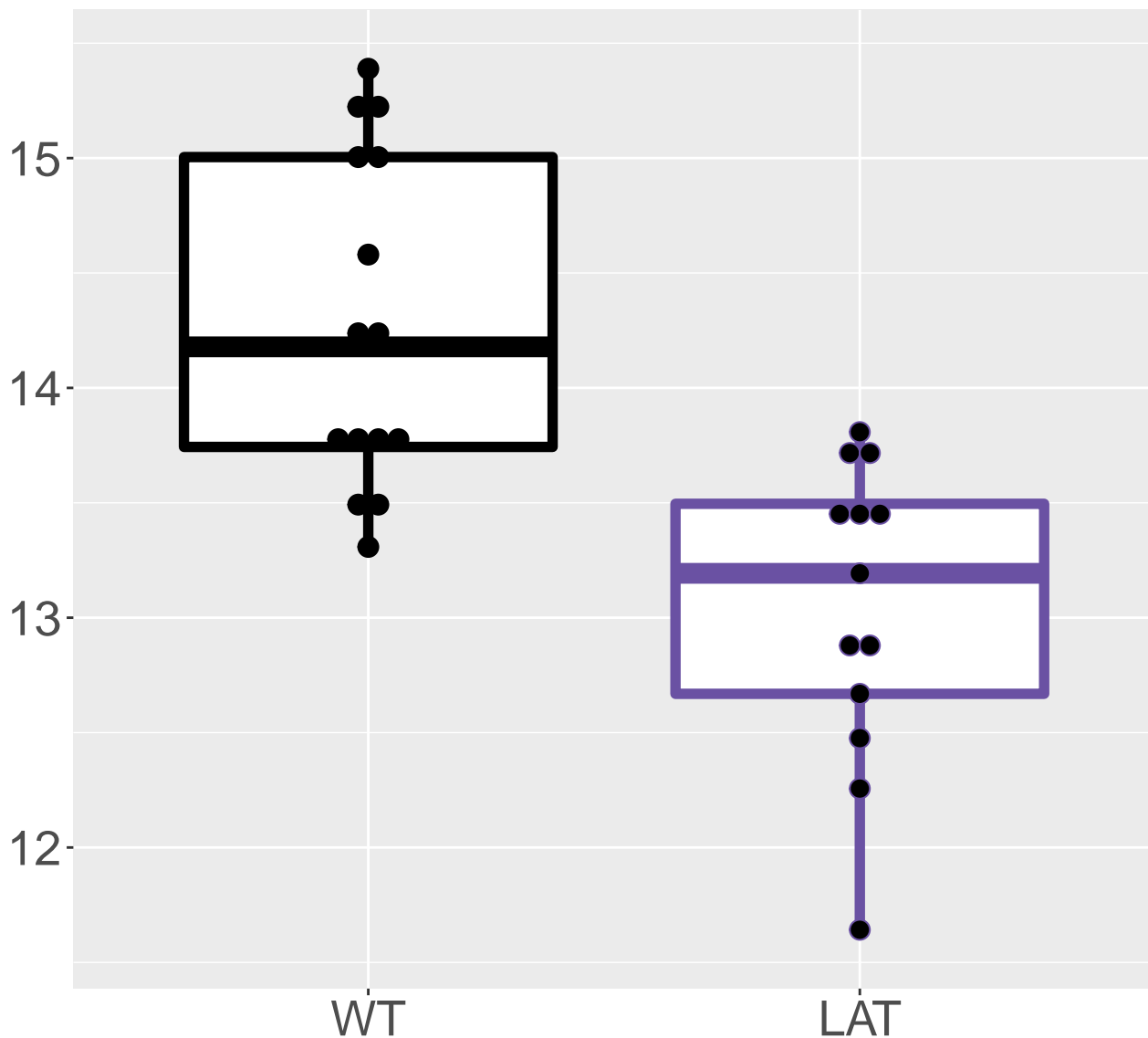
**M346.1709T339.67**

**FDR = 0.00023, FC = -1.6**



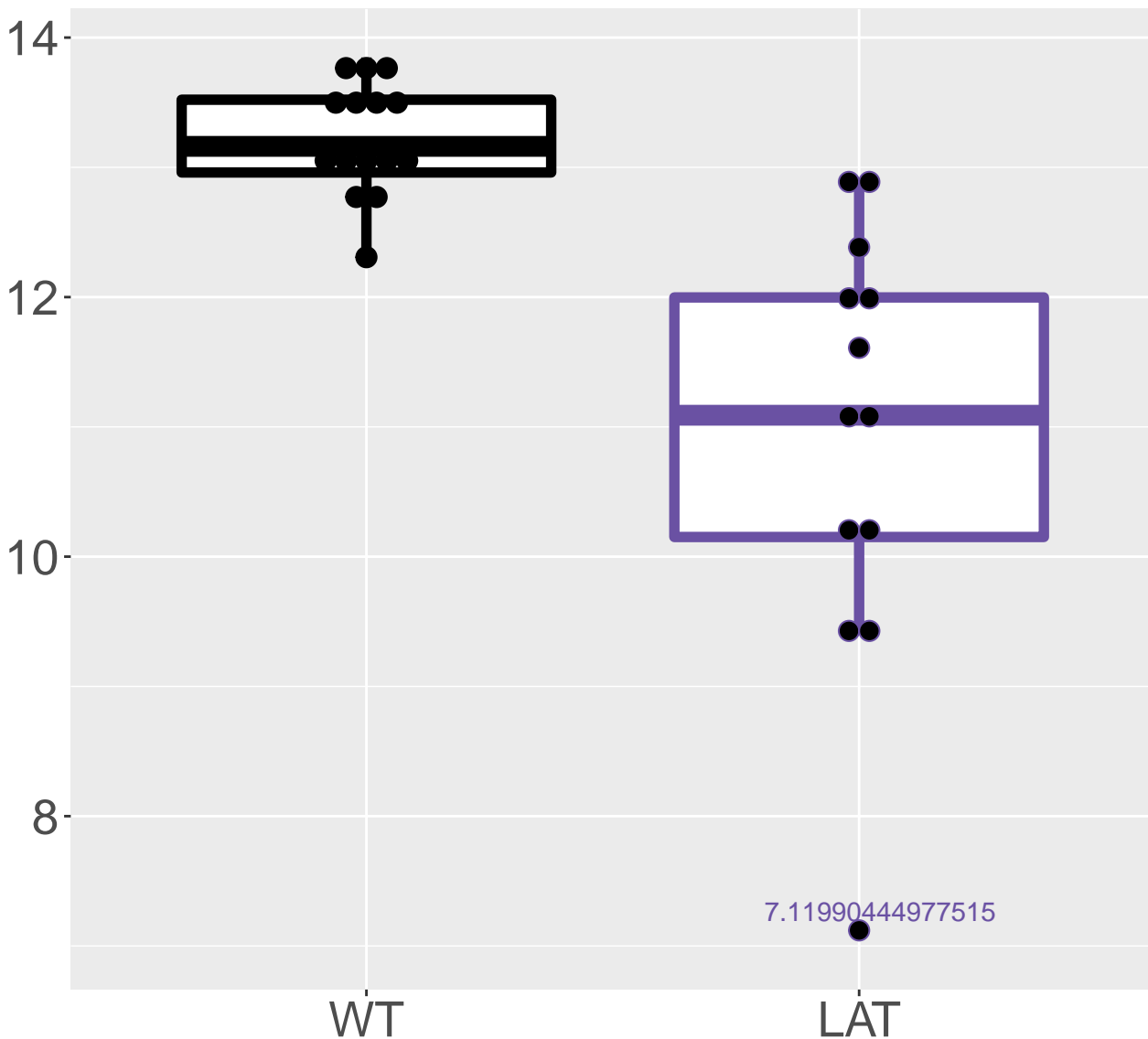
**M608.0922T389.45\_2**

**FDR = 0.00023, FC = -1.2**



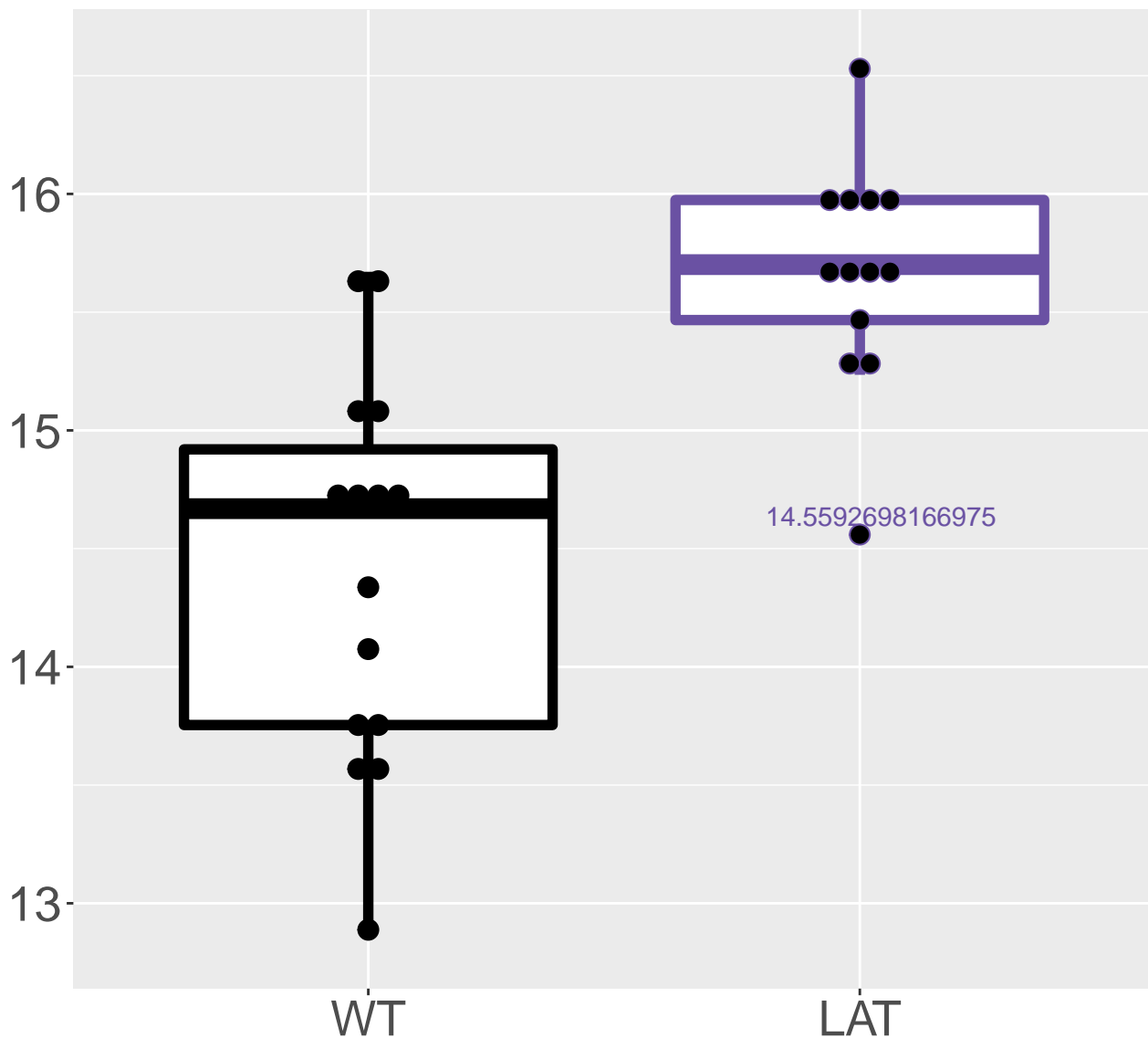
**M325.1593T272.65**

**FDR = 0.00024, FC = -2.3**

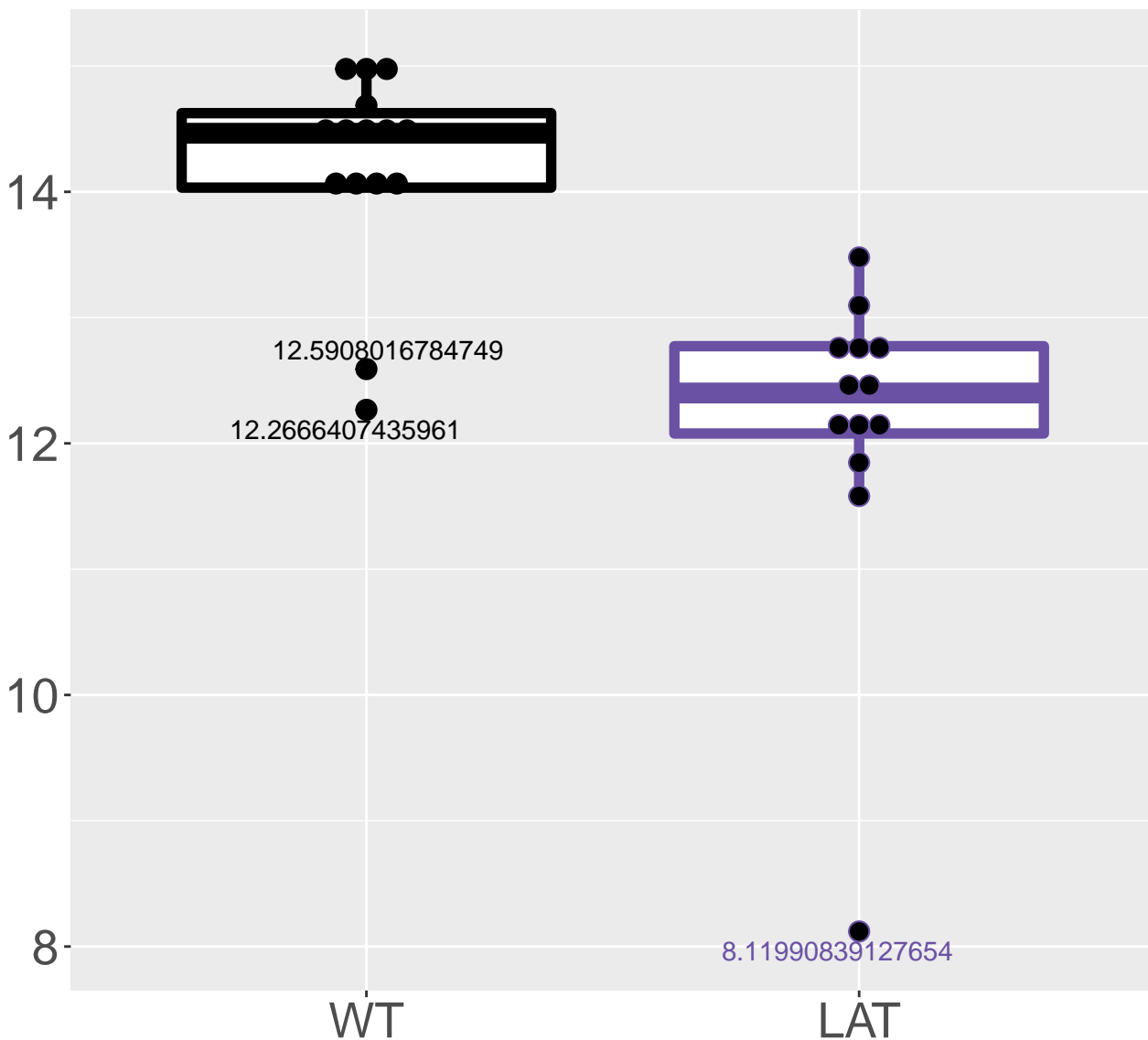


**M630.7116T367.72**

**FDR = 0.00024, FC = 1.3**



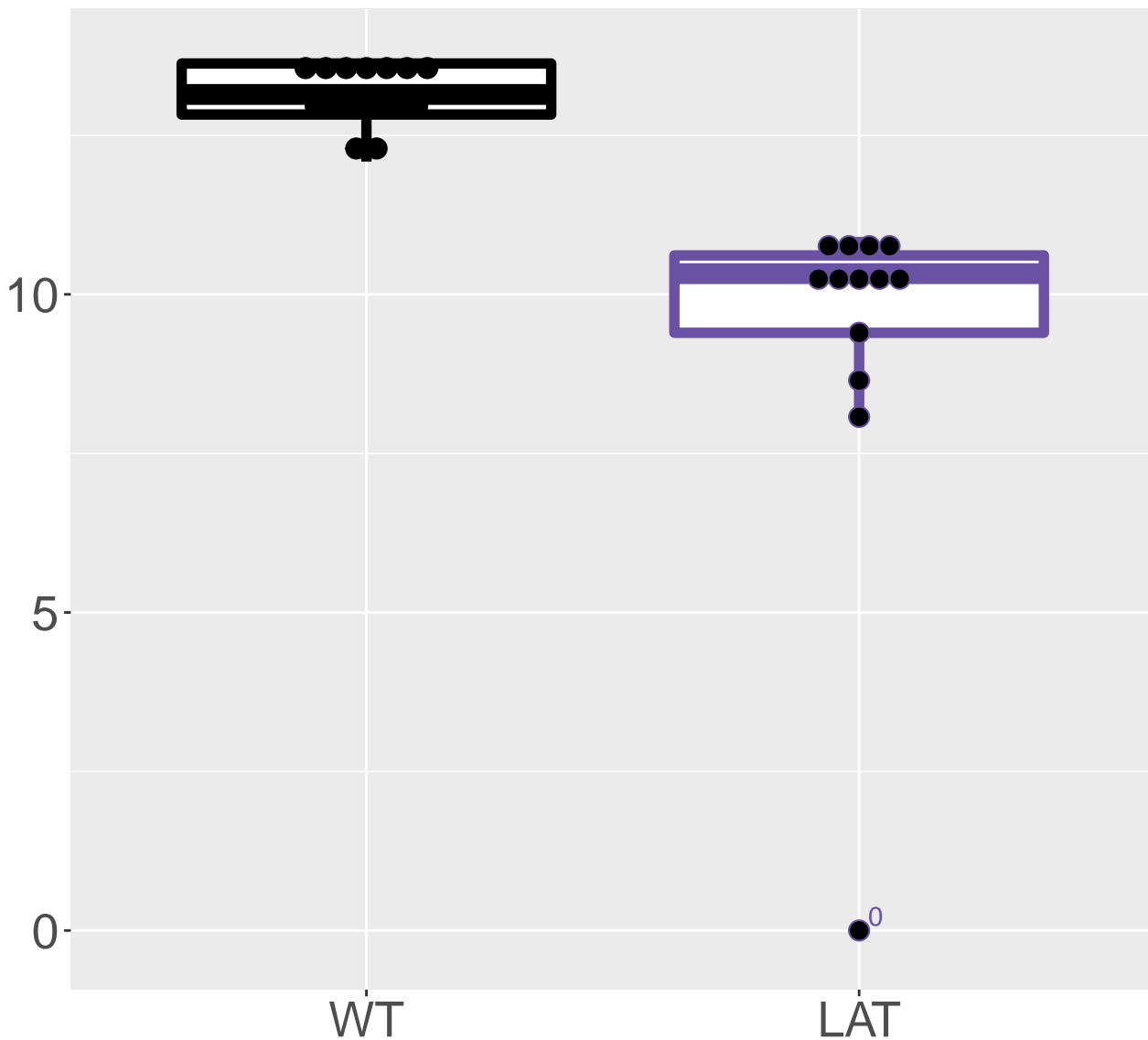
**FDR = 0.00024,  $\overline{FC} = -2.1$**





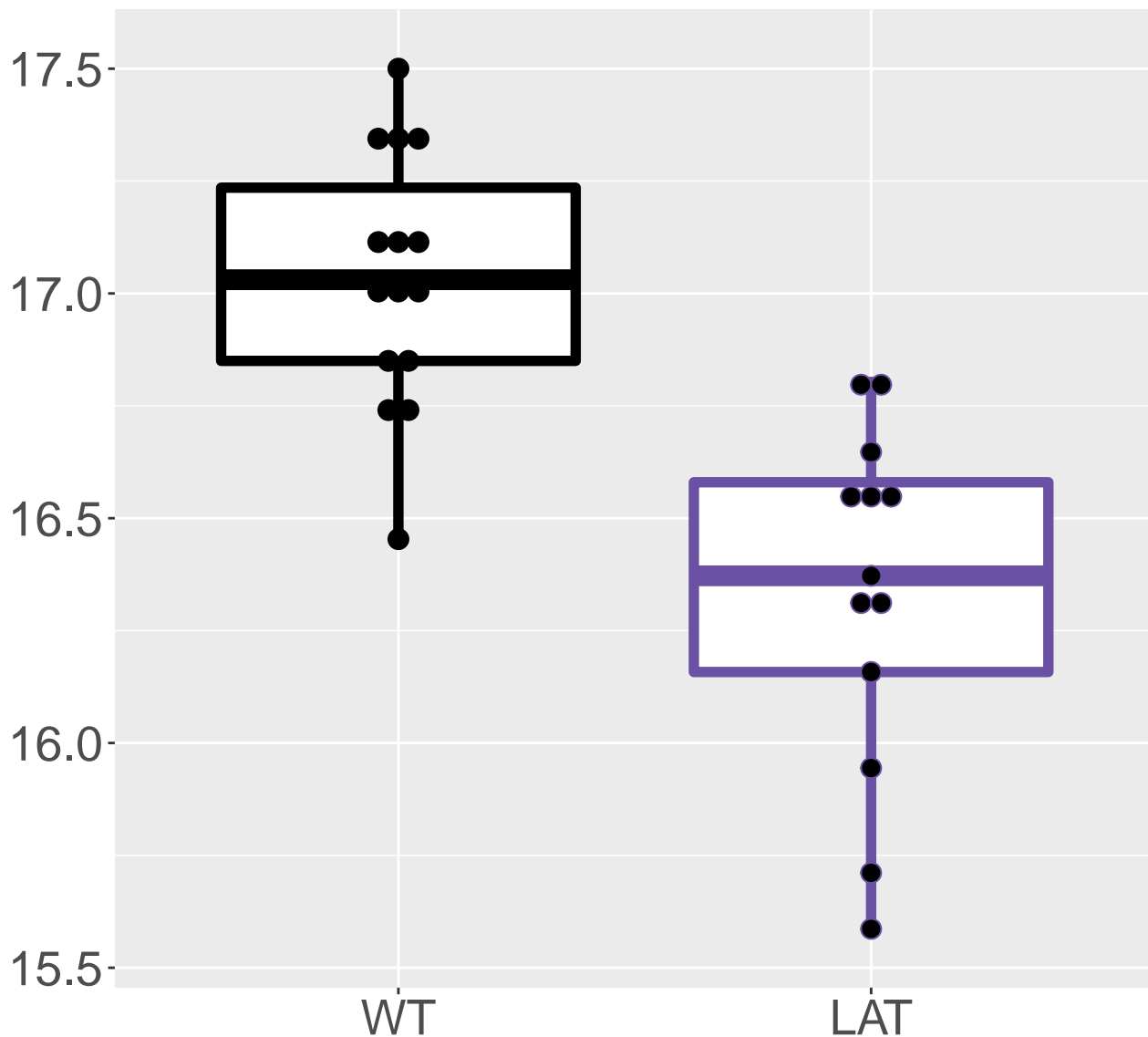
**M348.4618T262.53**

**FDR = 0.00024, FC = -3.9**



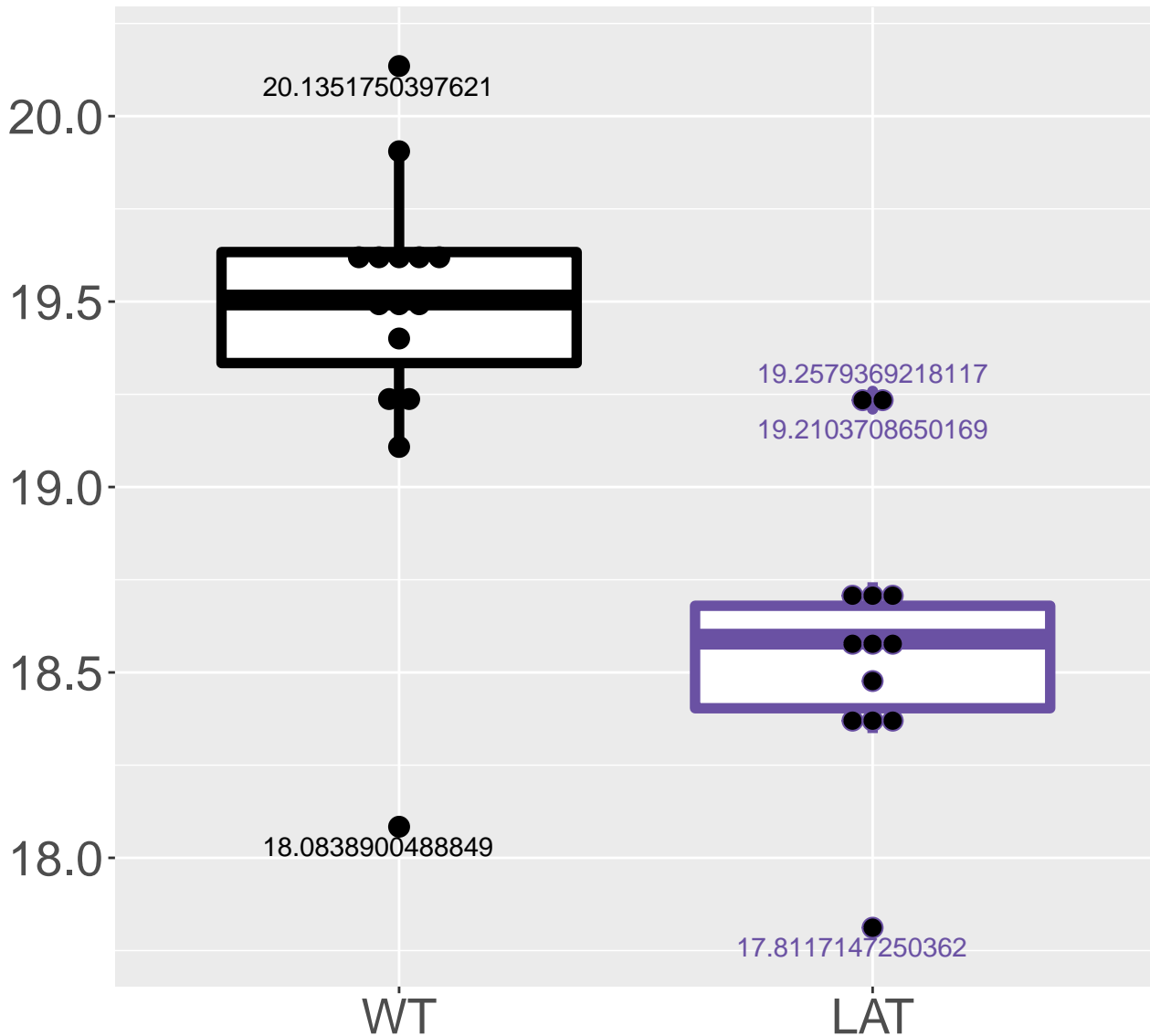
**M129.1179T75.44\_34**

**FDR = 0.00024, FC = -0.71**

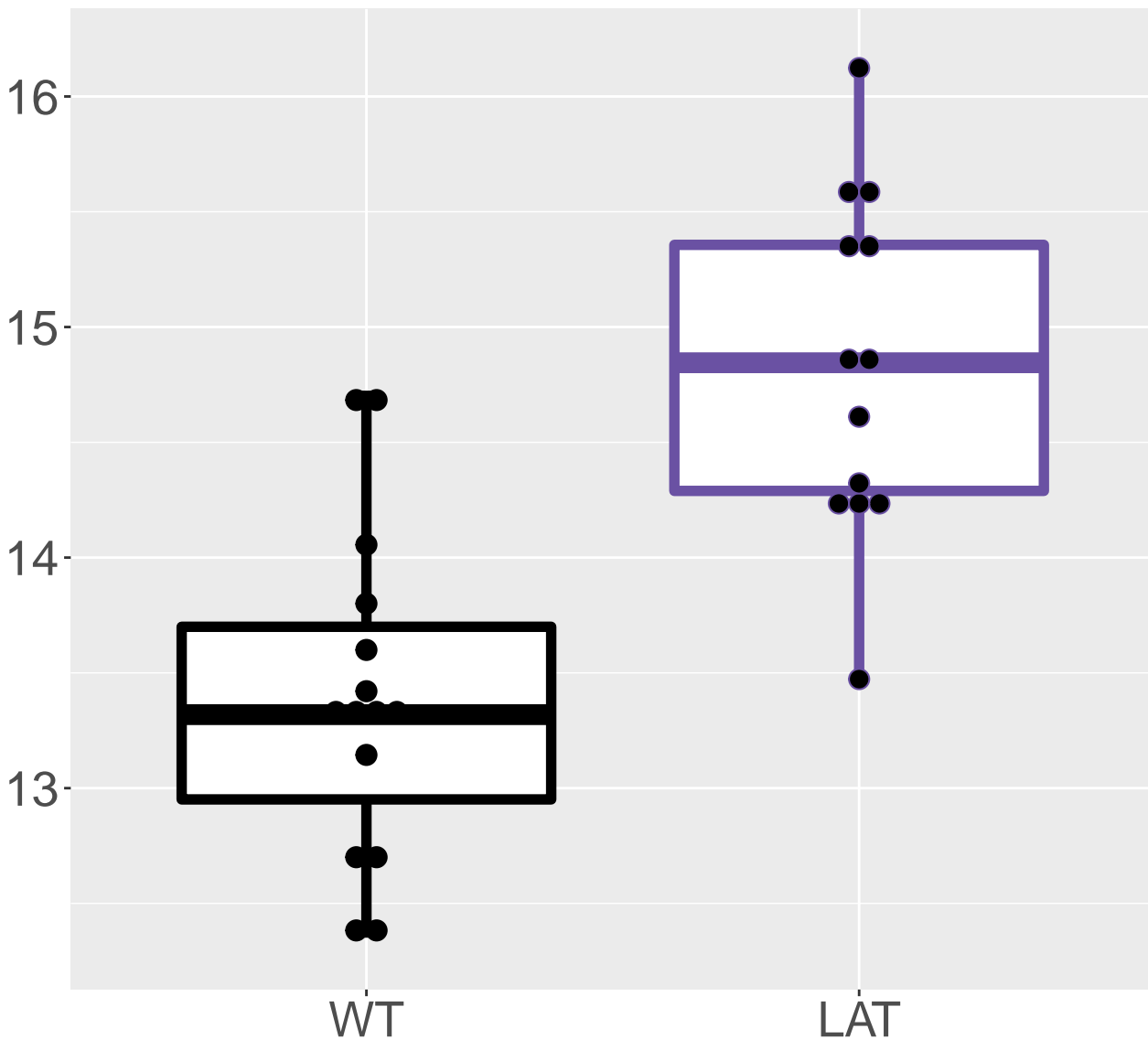


**M363.1563T66.71**

**FDR = 0.00024, FC = -0.85**

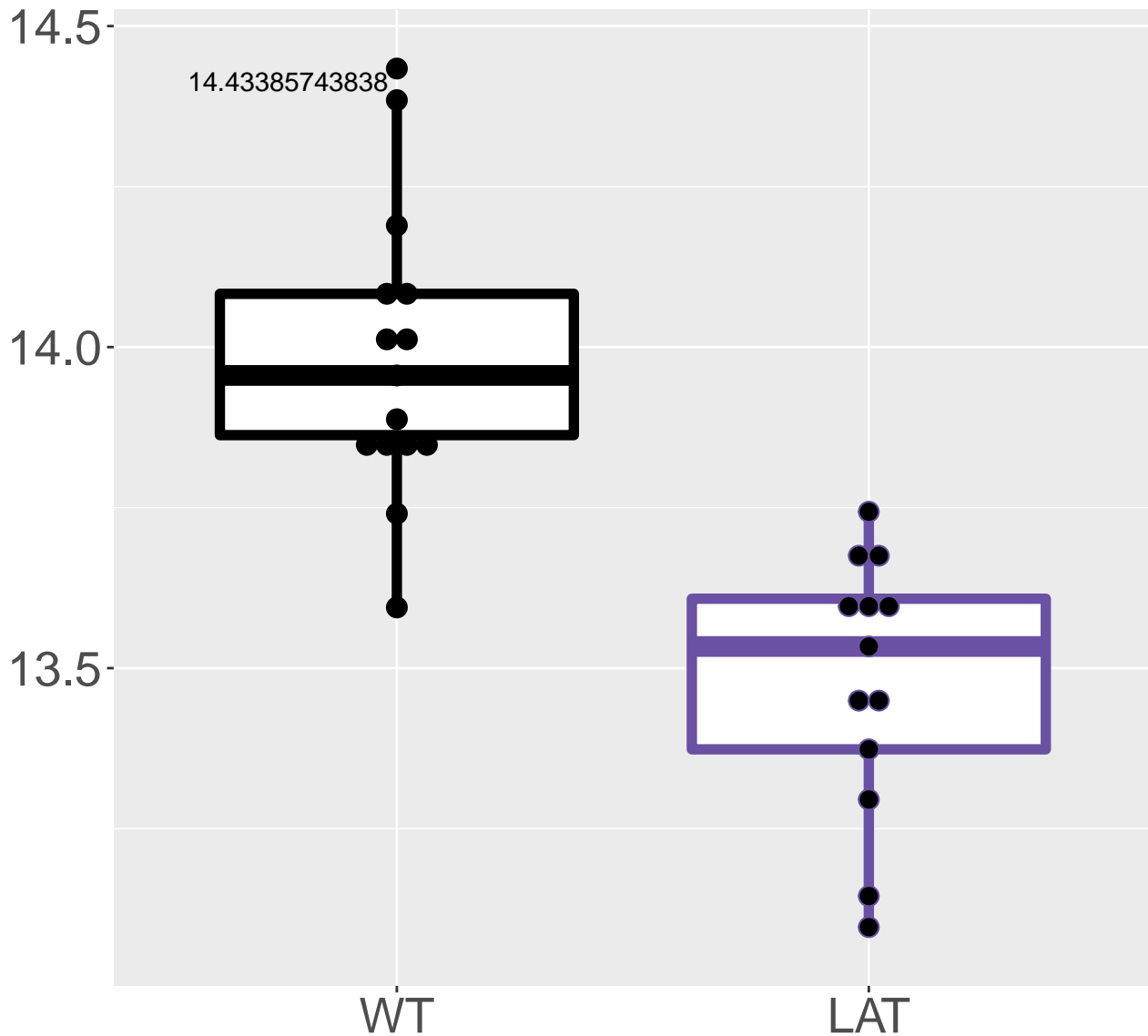


**M289.6575T136.87**  
**FDR = 0.00024, FC = 1.4**



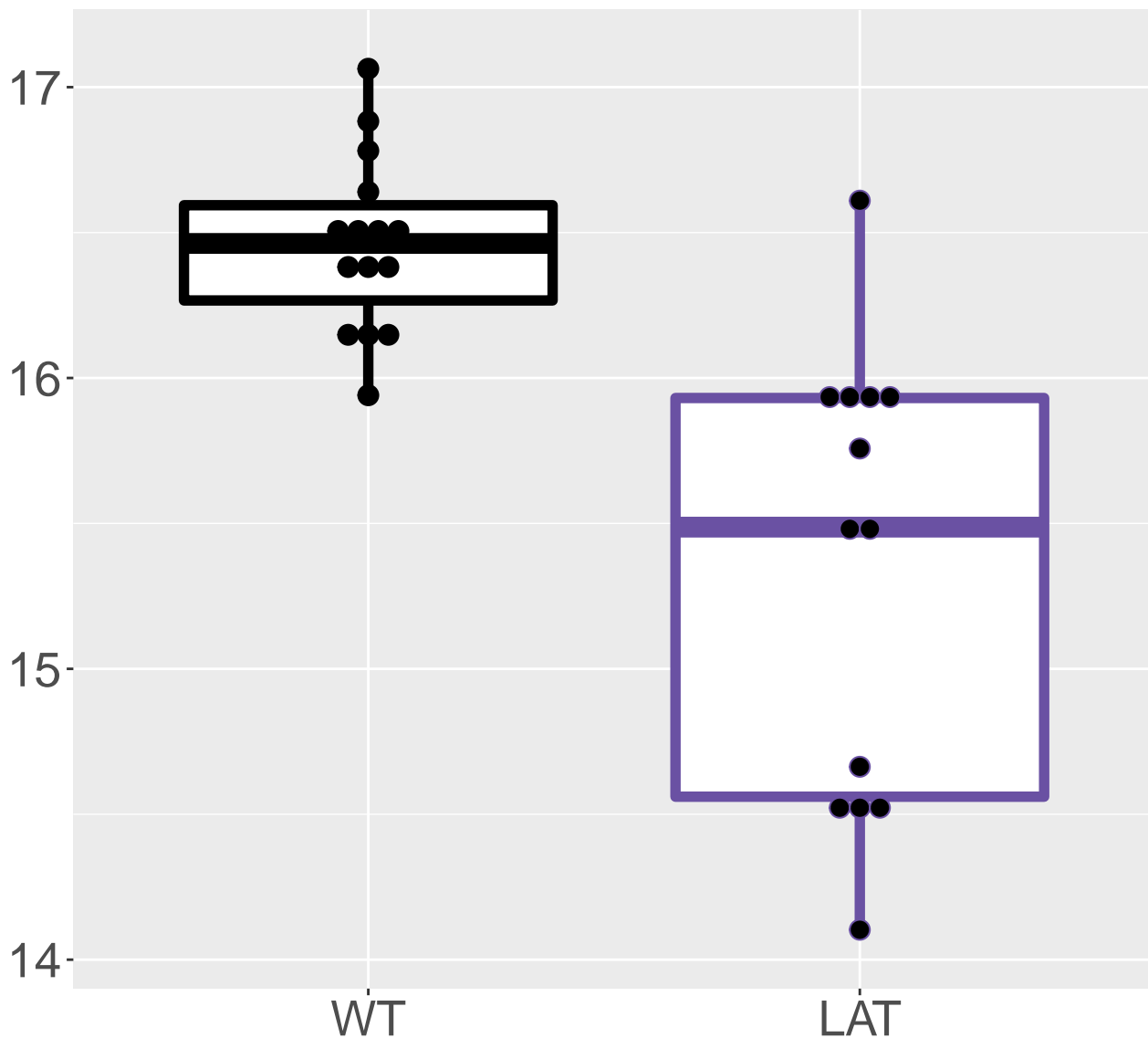
**M289.0808T107.86**

**FDR = 0.00024, FC = -0.51**



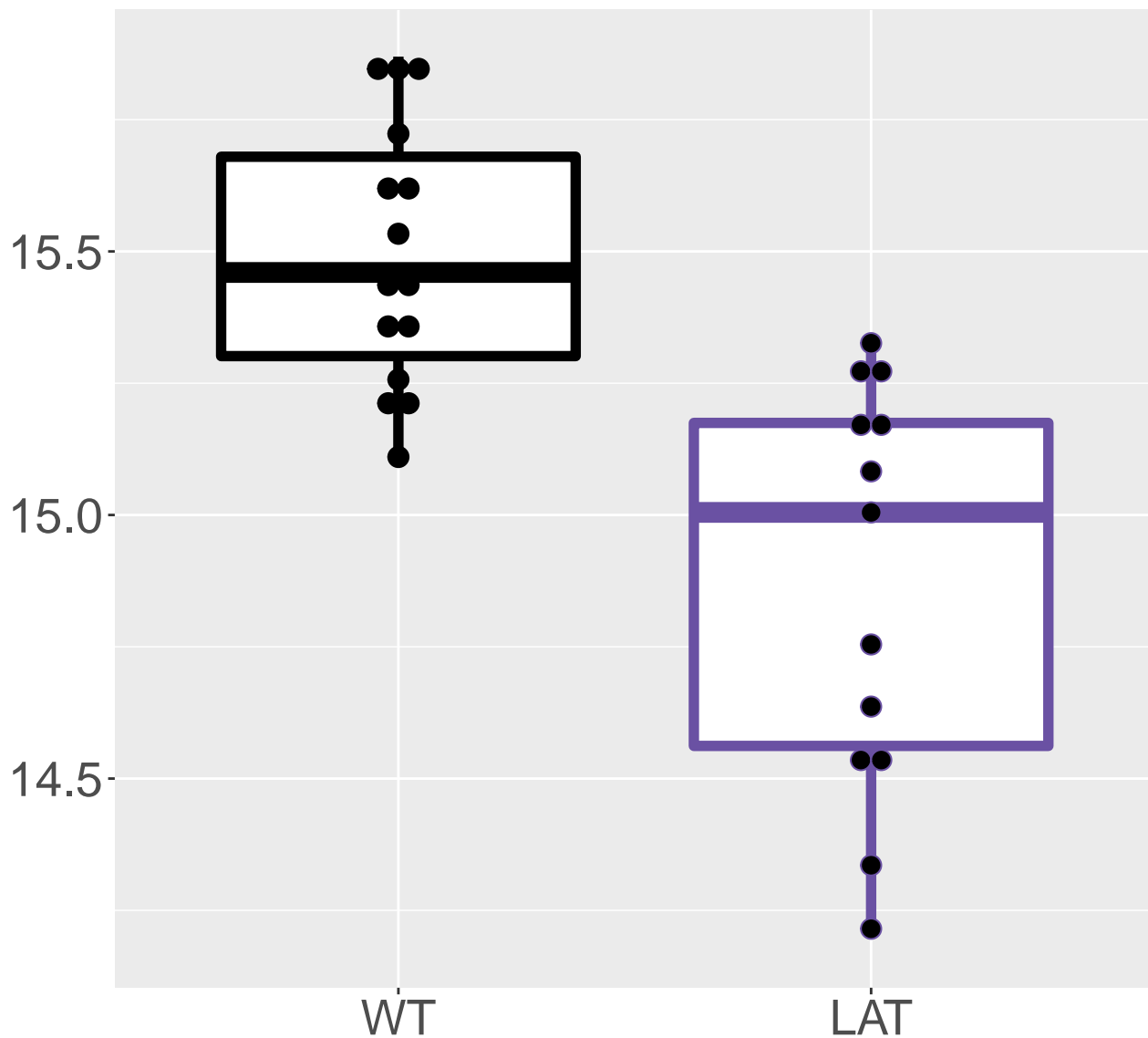
**M208.6472T11.48**

**FDR = 0.00024, FC = -1.1**

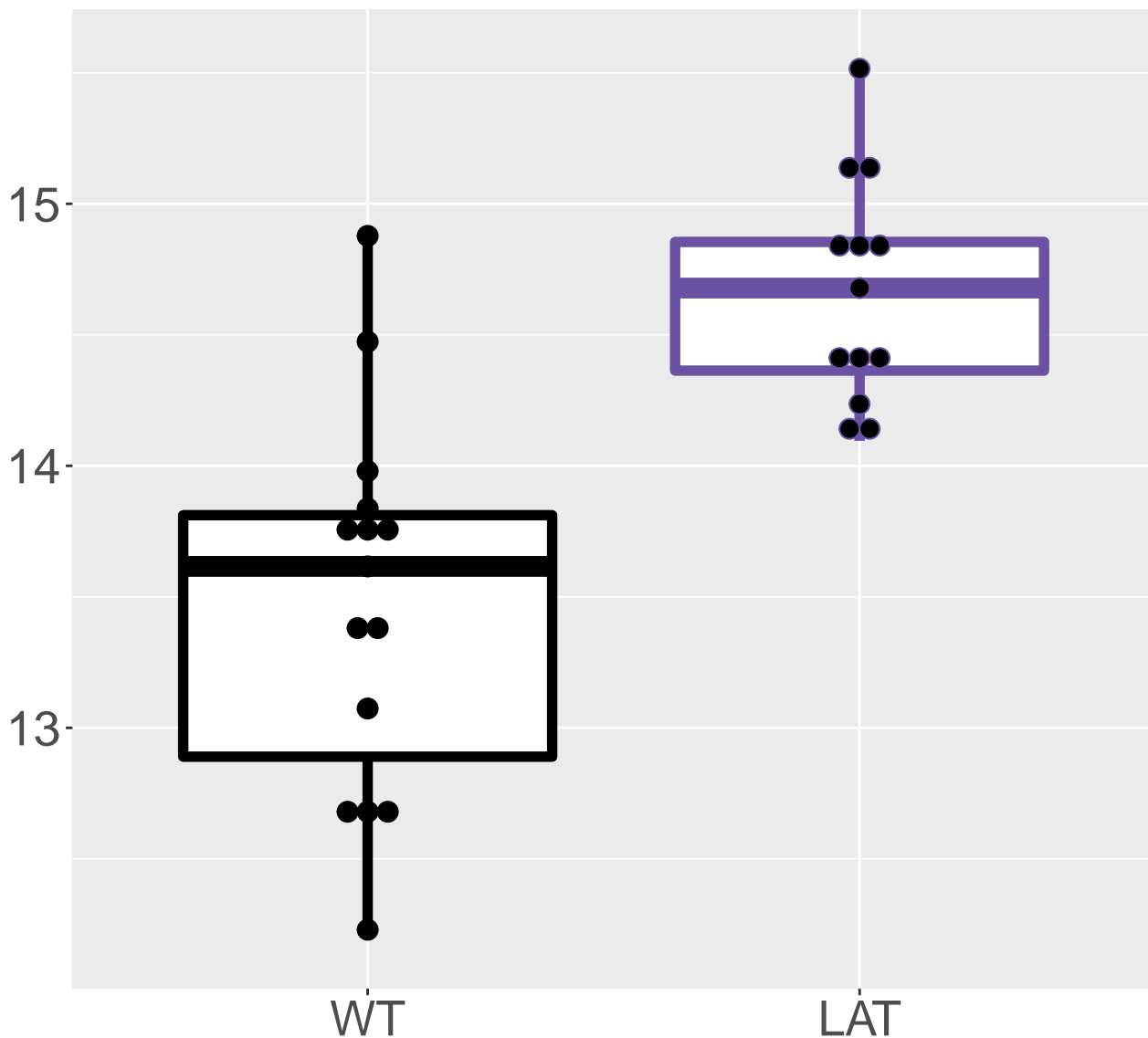


**M155.9869T113.21\_21**

**FDR = 0.00025, FC = -0.63**

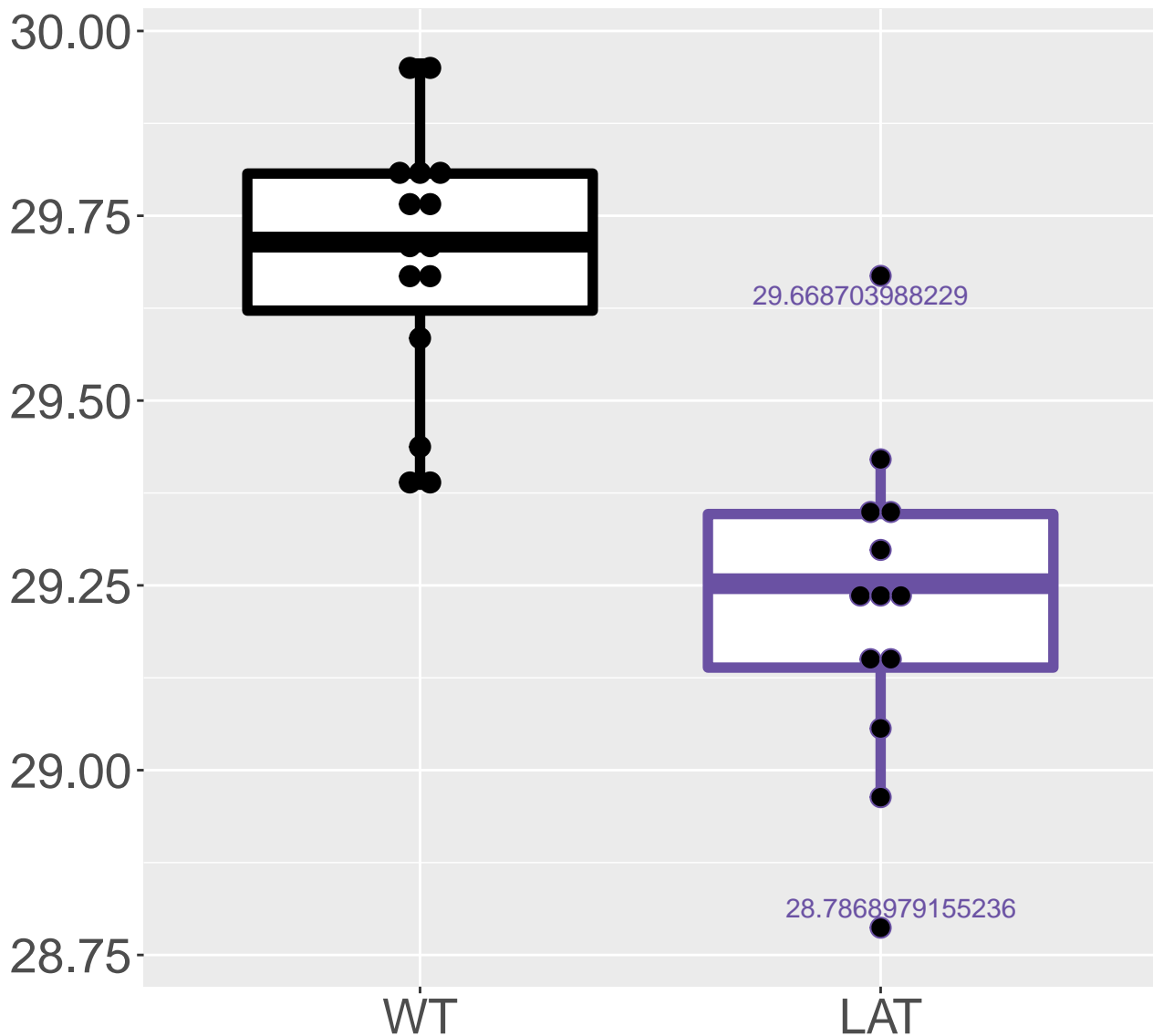


**M451.2368T249.97**  
**FDR = 0.00025, FC = 1.2**



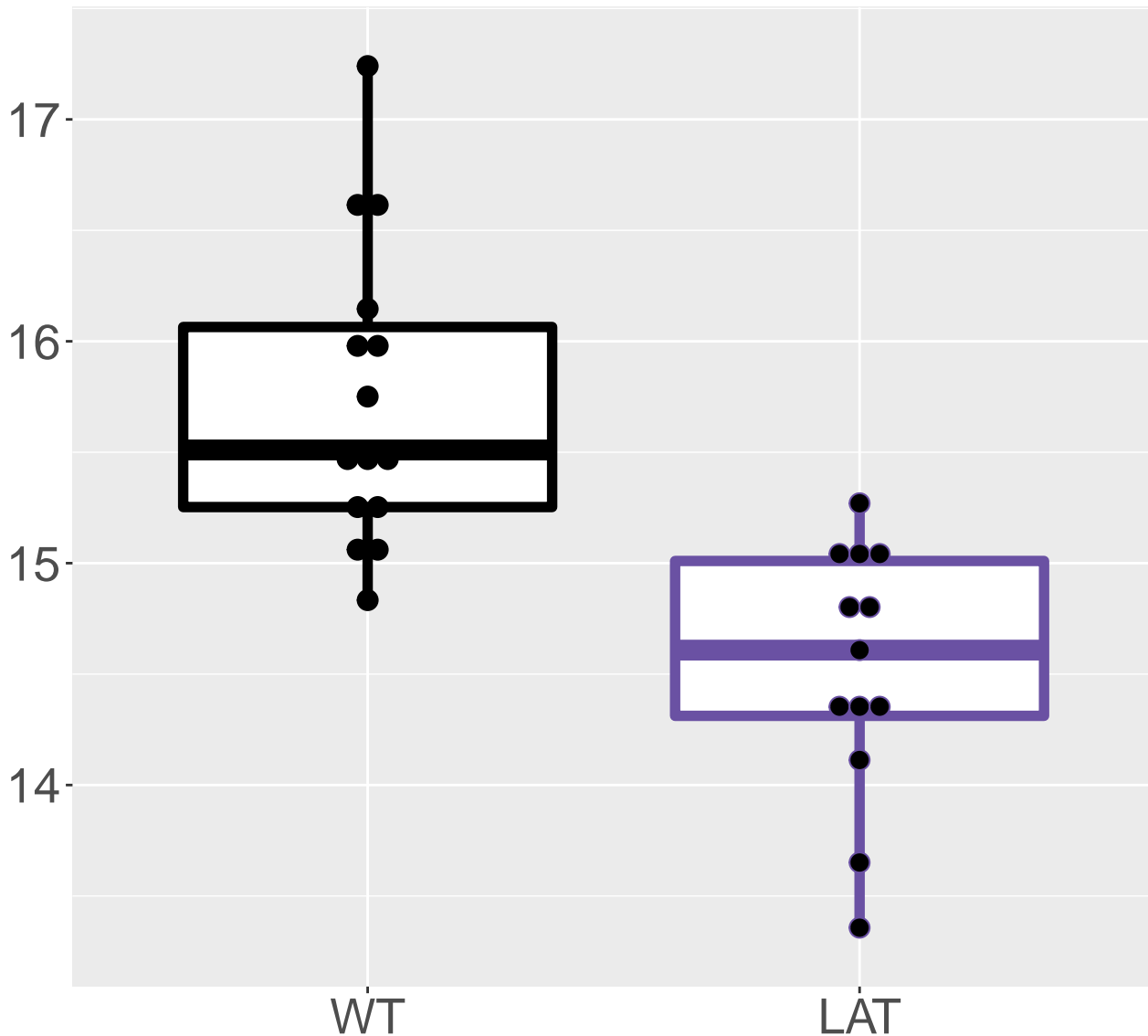


**L-Isoleucine;Isoleucine| $\hat{I}^2$ -Leucine;DL- $\hat{I}^2$ -Le**  
**FDR = 0.00026, FC = -0.47**



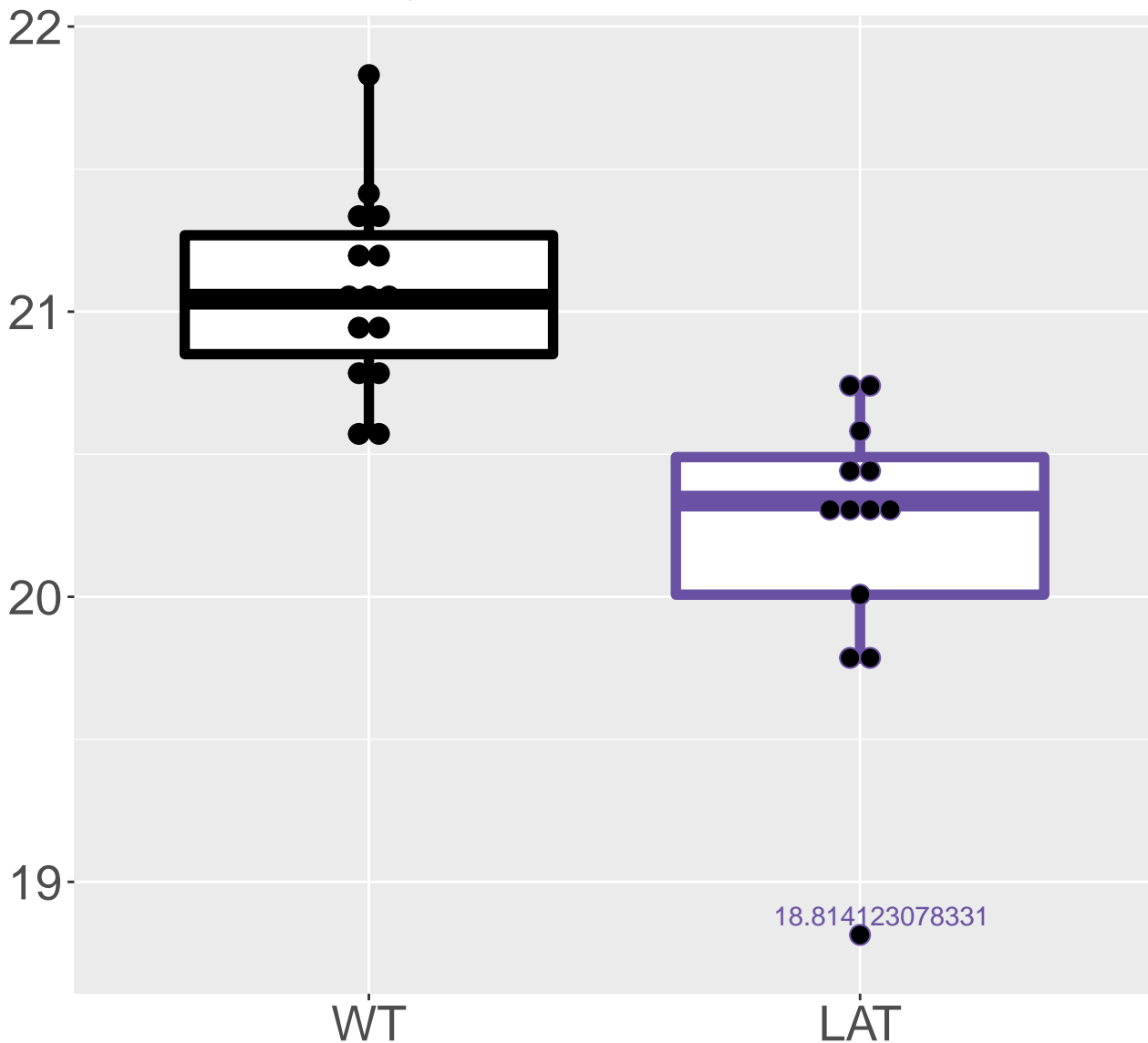
# Deoxyinosine;2'-Deoxyinosine

FDR = 0.00026, FC = -1.2



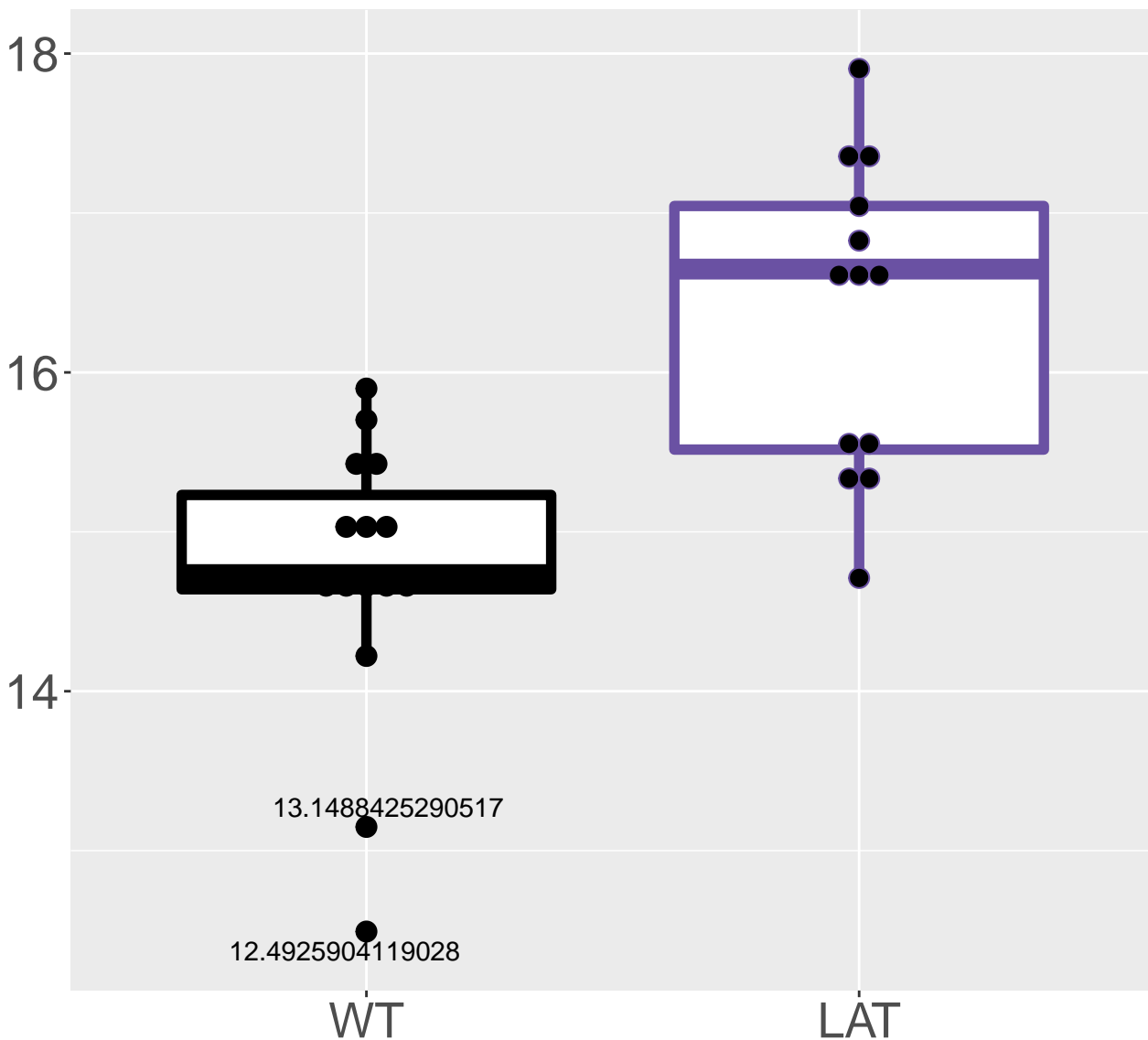
**M409.1886T229.24**

**FDR = 0.00026, FC = -0.87**



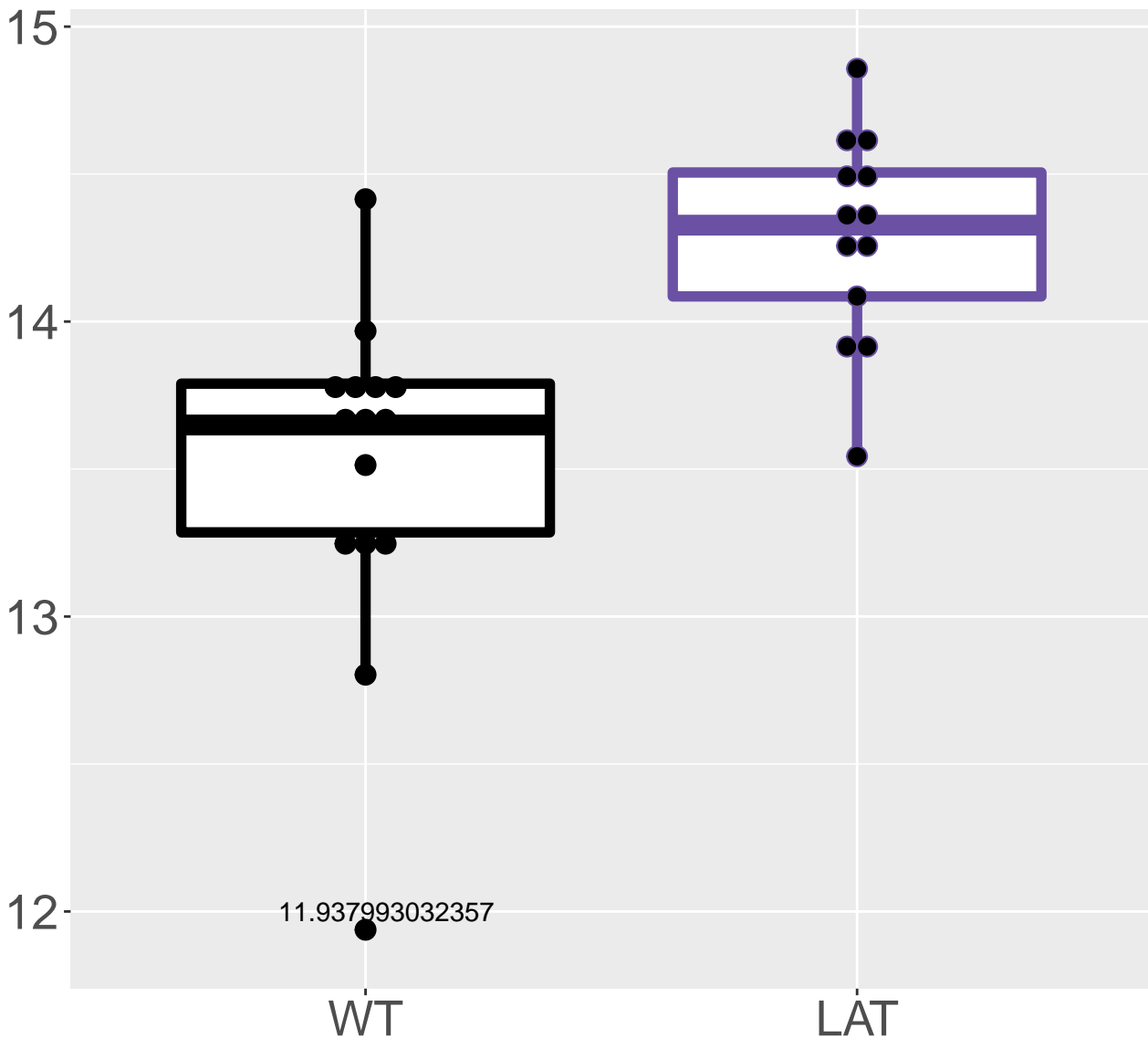
**M568.1238T55.26**

**FDR = 0.00026, FC = 1.6**

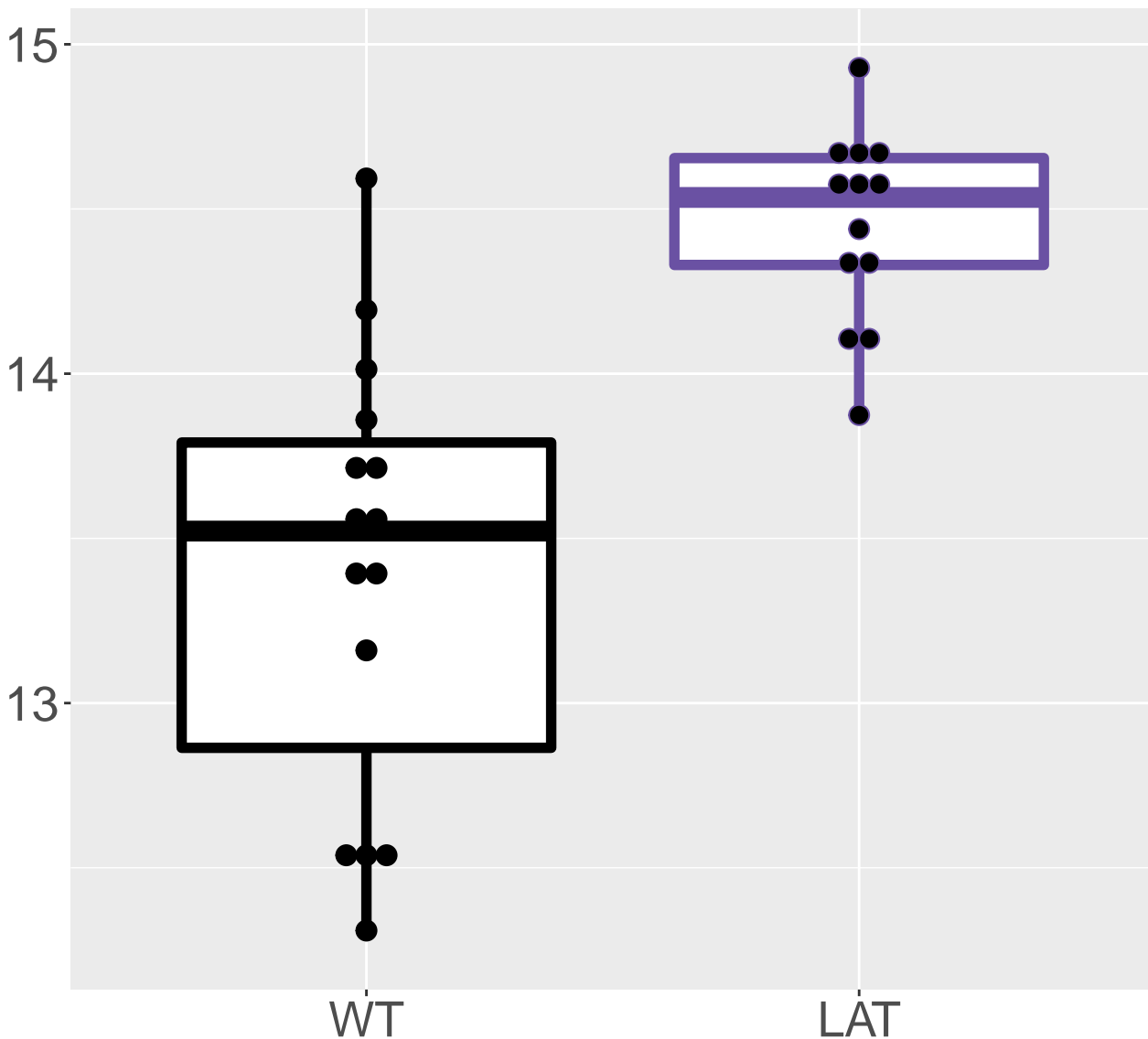


**M525.7775T284.52\_2**

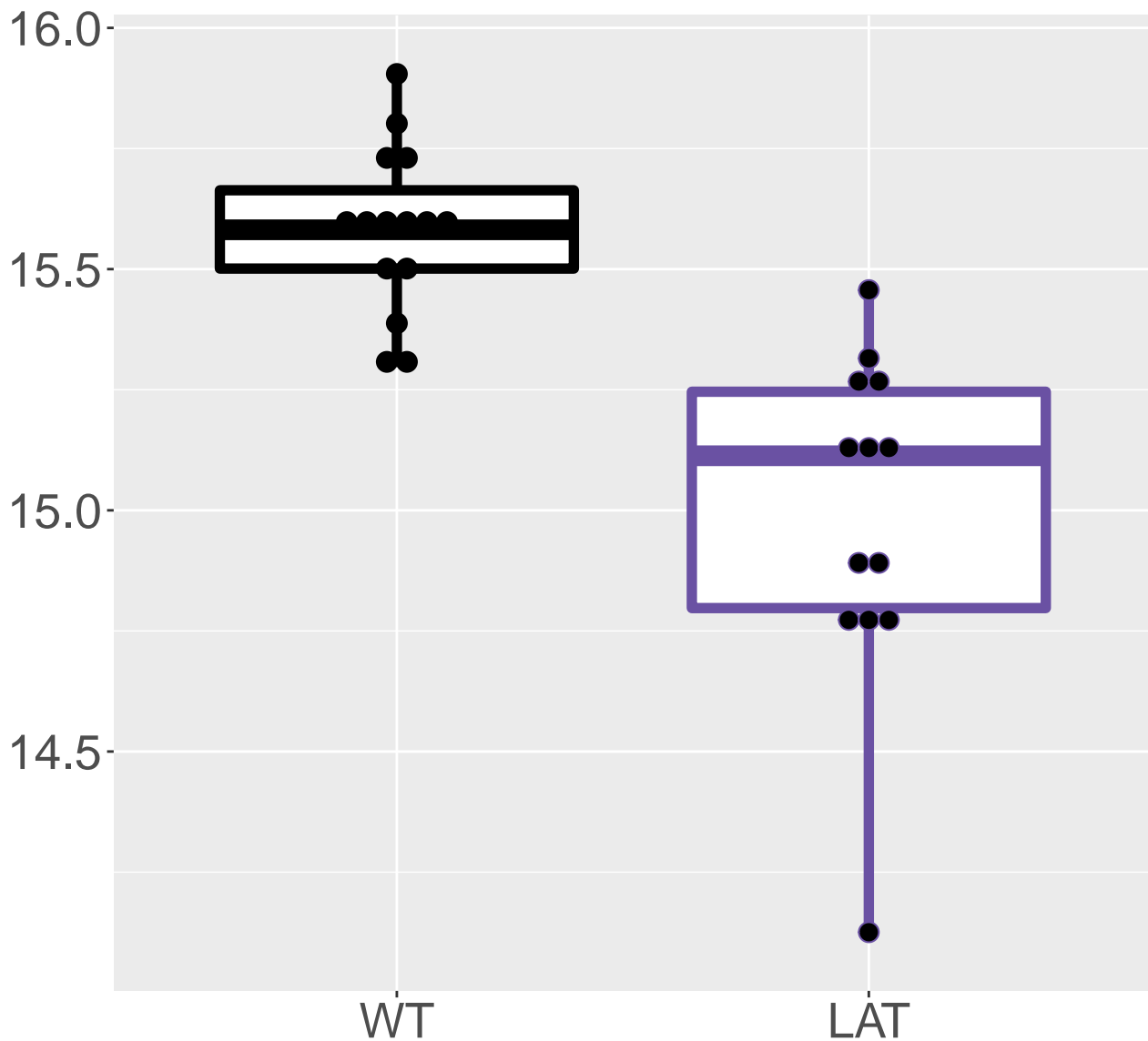
**FDR = 0.00026, FC = 0.79, sex\***



**M325.1949T263.85\_1**  
**FDR = 0.00027, FC = 1.1**

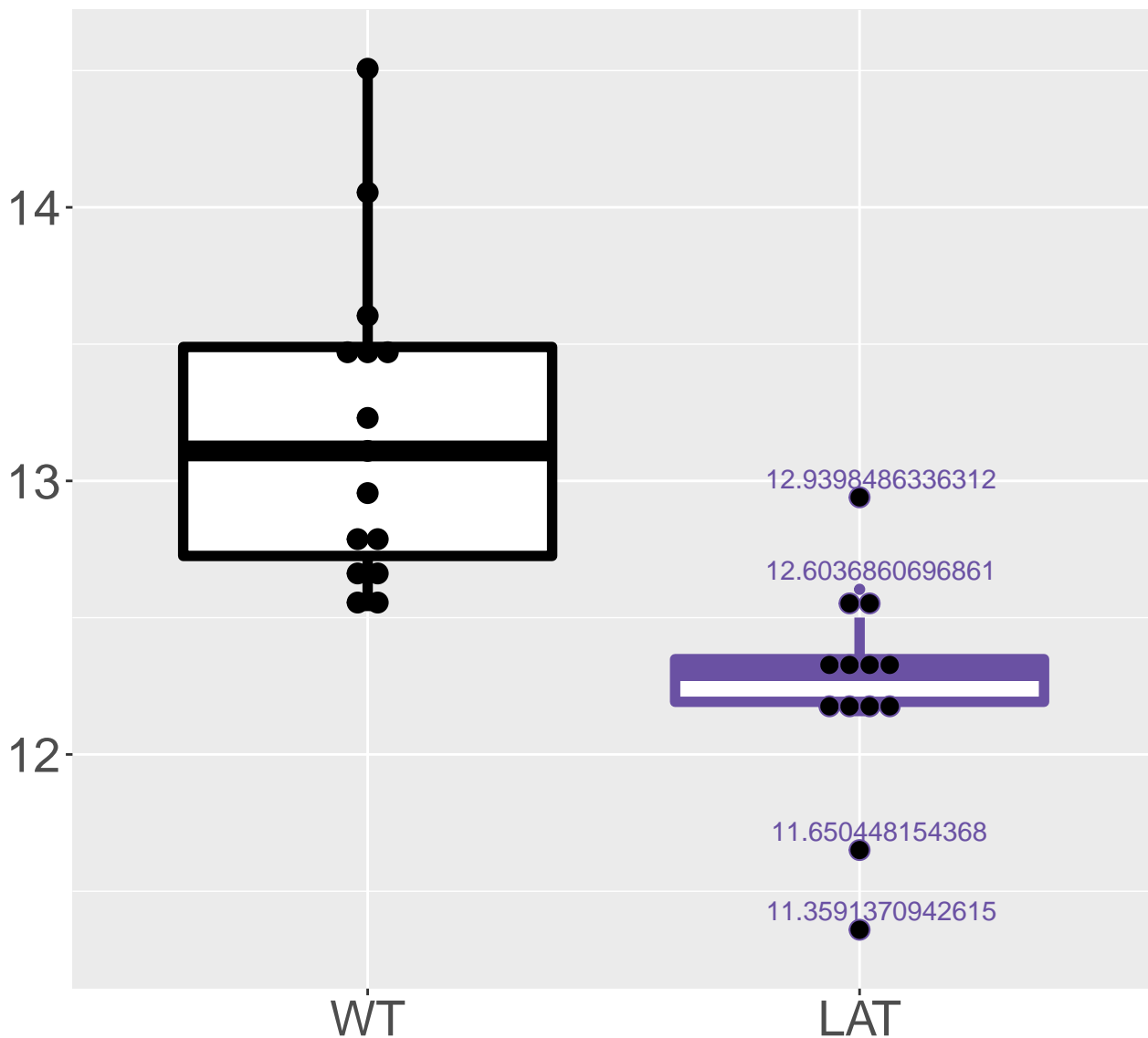


**FDR = 0.00027, FC = -0.59**



**M561.3065T257.69**

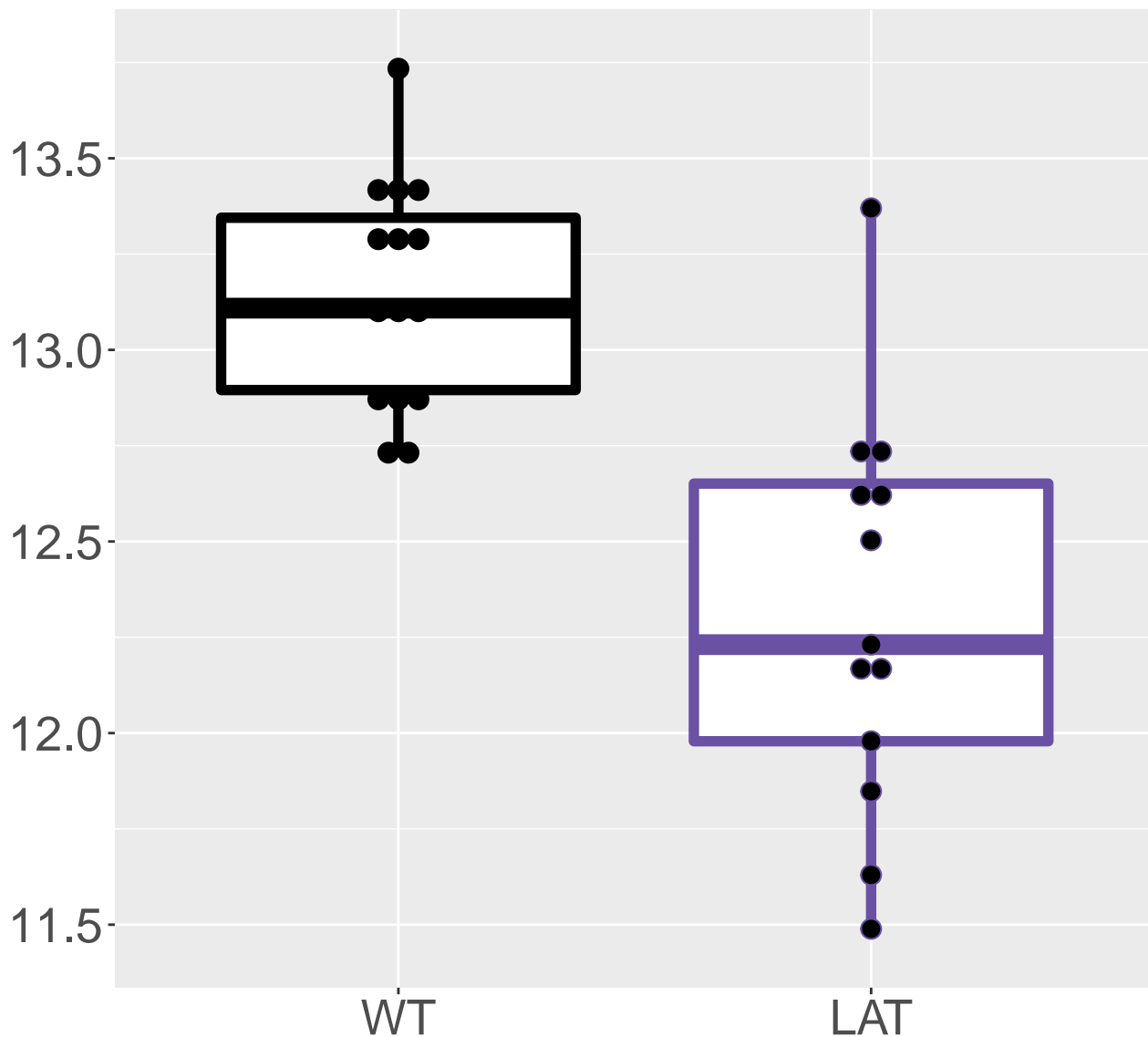
**FDR = 0.00027, FC = -0.95**





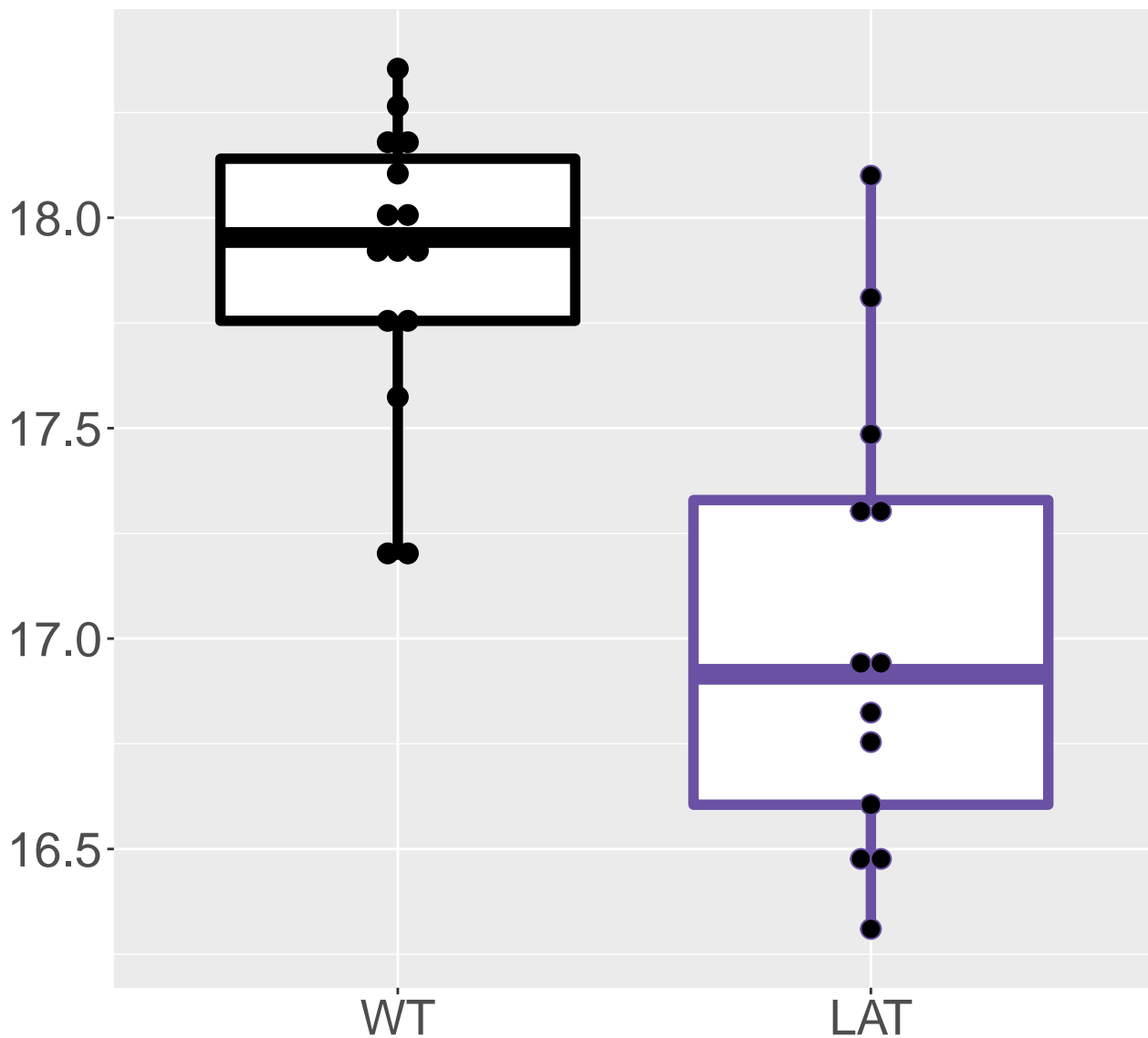
**M453.2193T281.77**

**FDR = 0.00027, FC = -0.84**

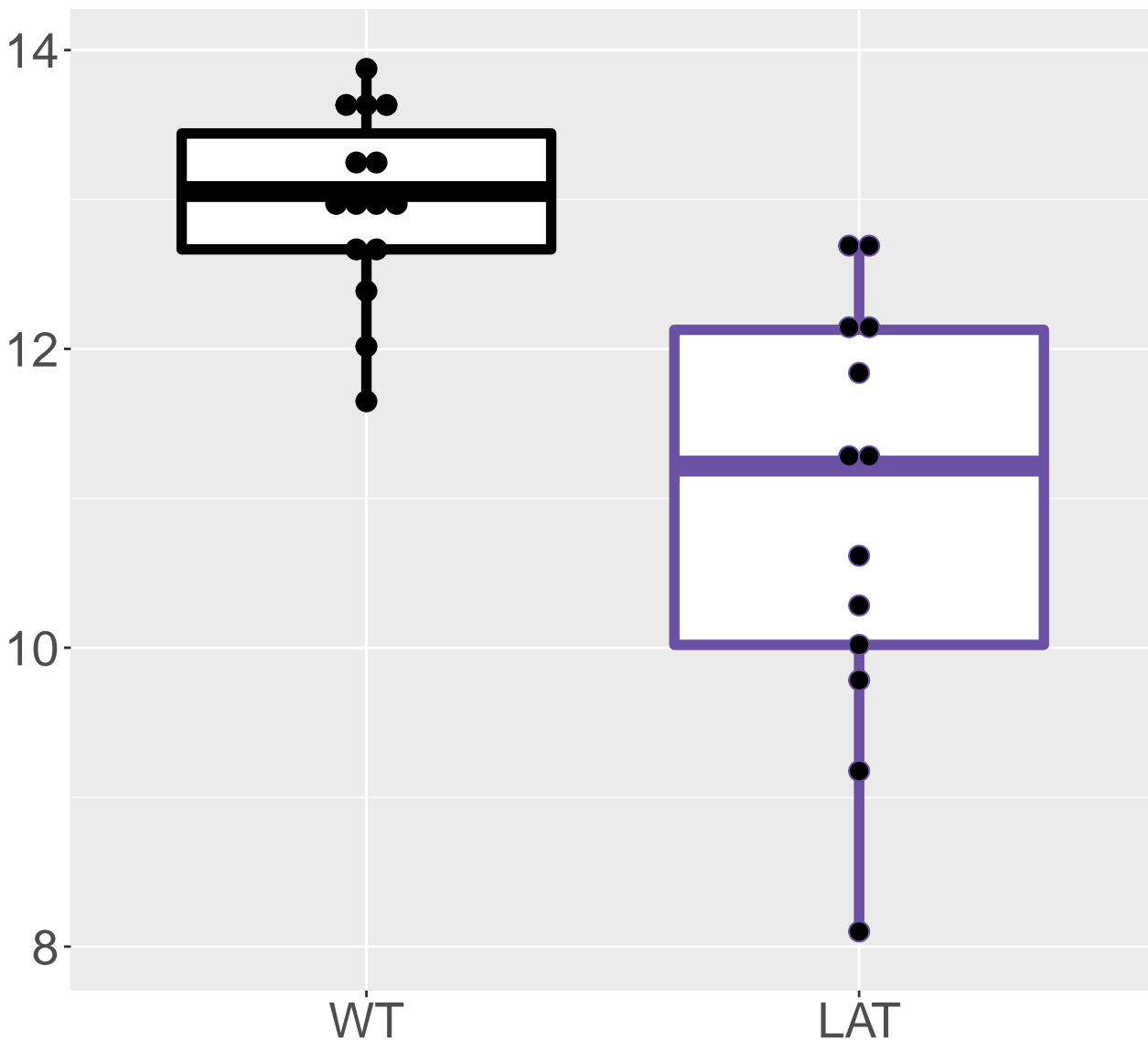


**M130.6027T68.59**

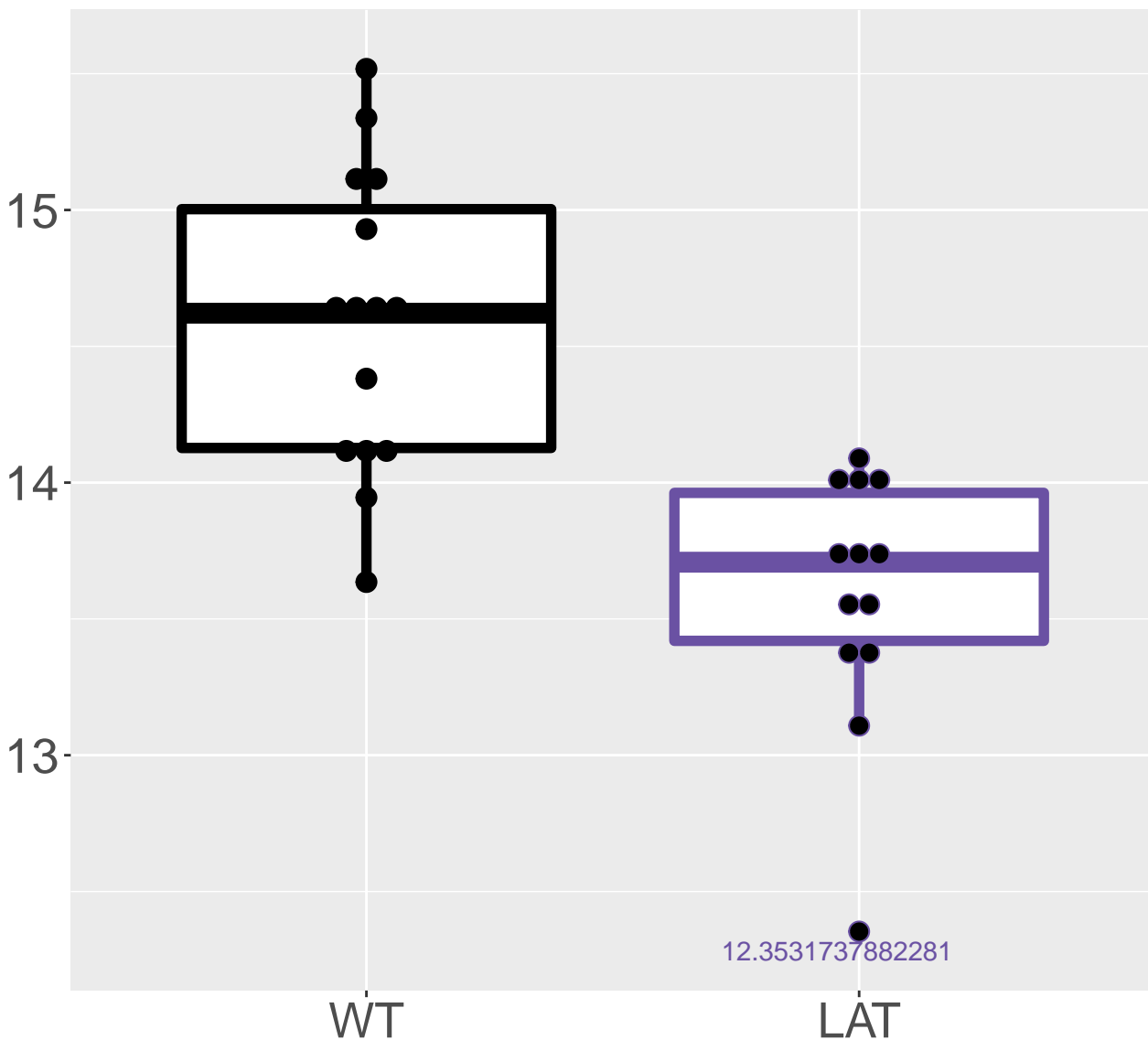
**FDR = 0.00027, FC = -0.86**



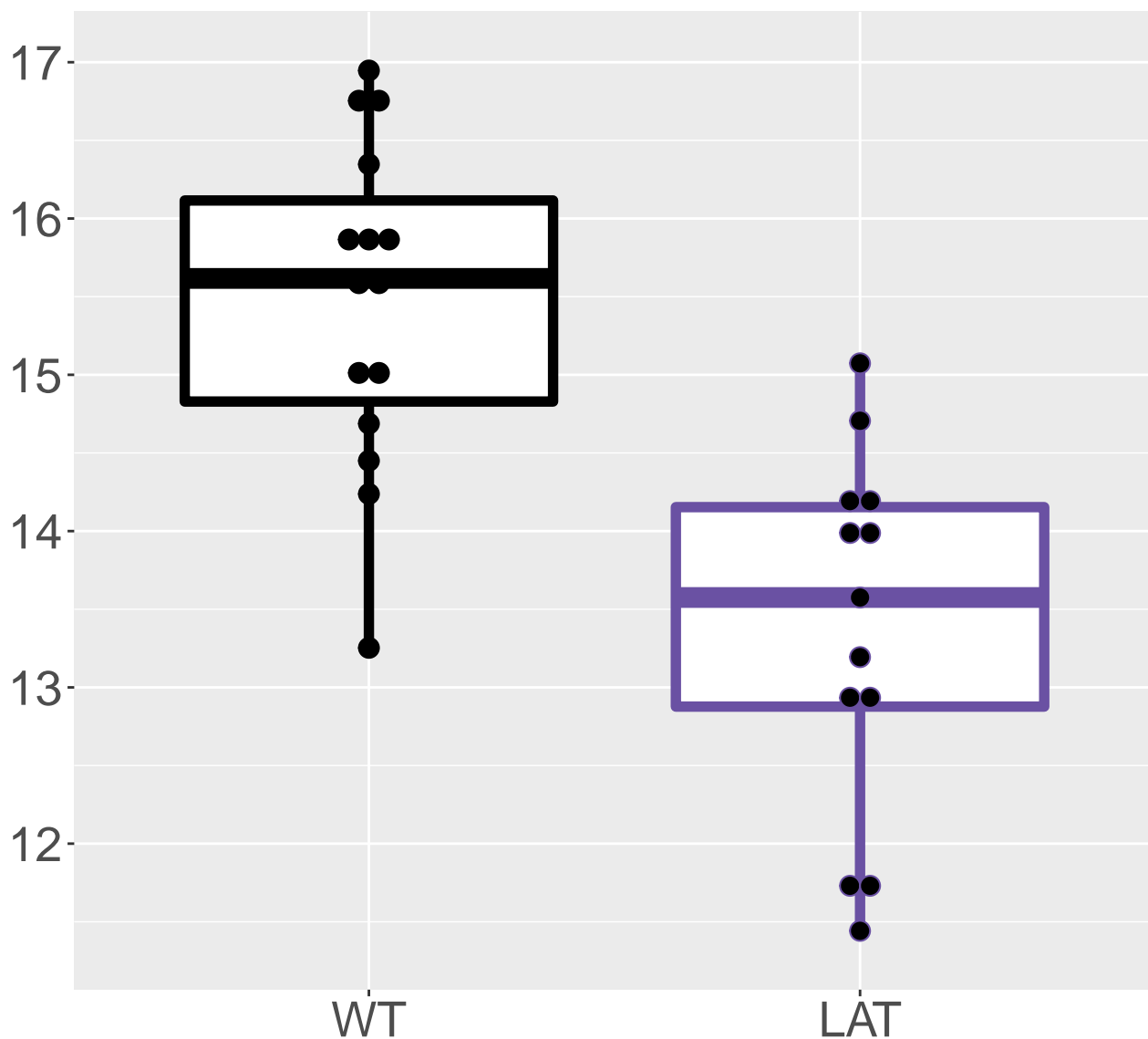
**M396.4809T239.61**  
**FDR = 0.00028, FC = -2**



**M417.7356T271.4**  
**FDR = 0.00028, FC = -1**

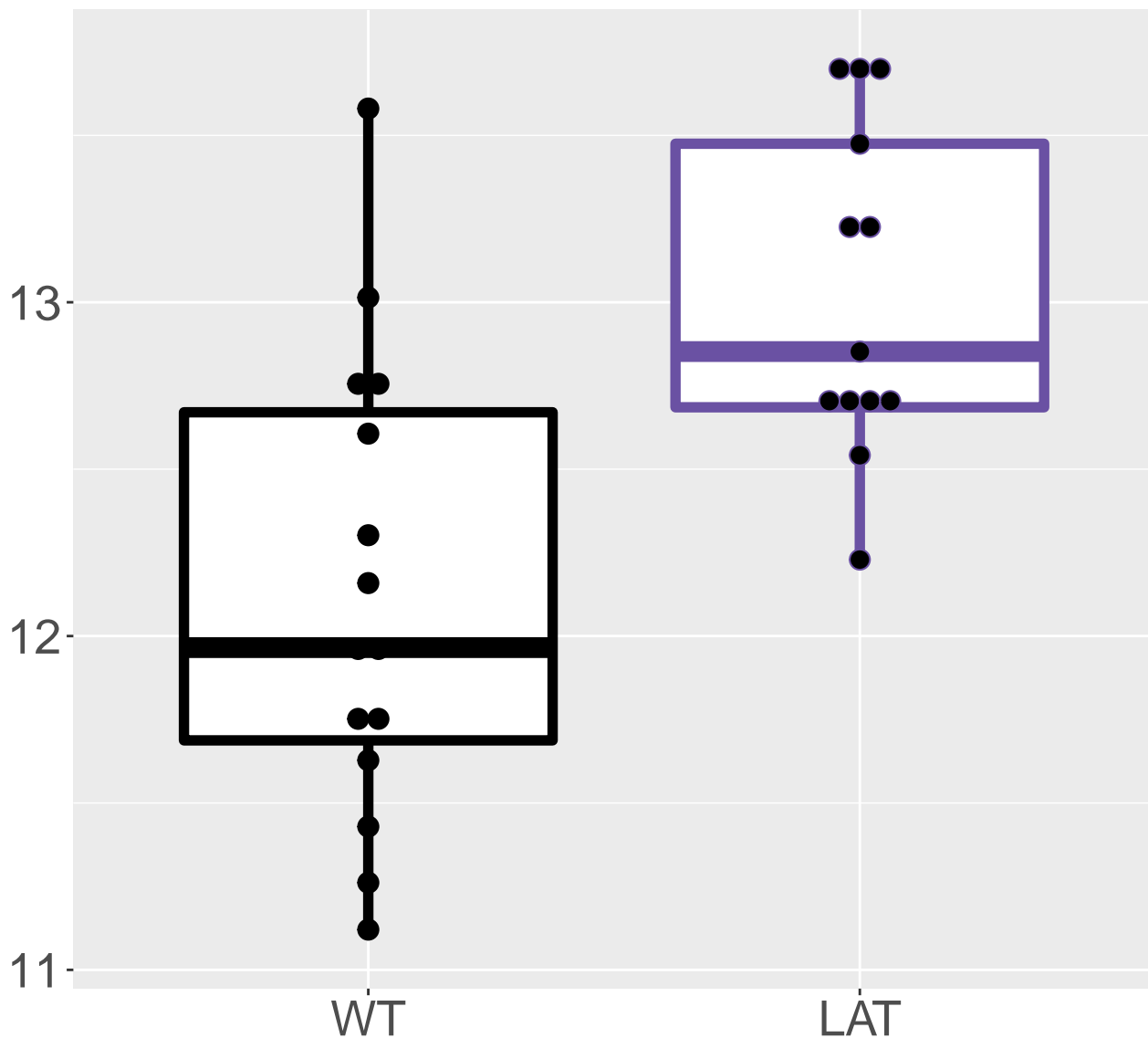


**M548.9411T268\_1**  
**FDR = 0.00029, FC = -2.1**



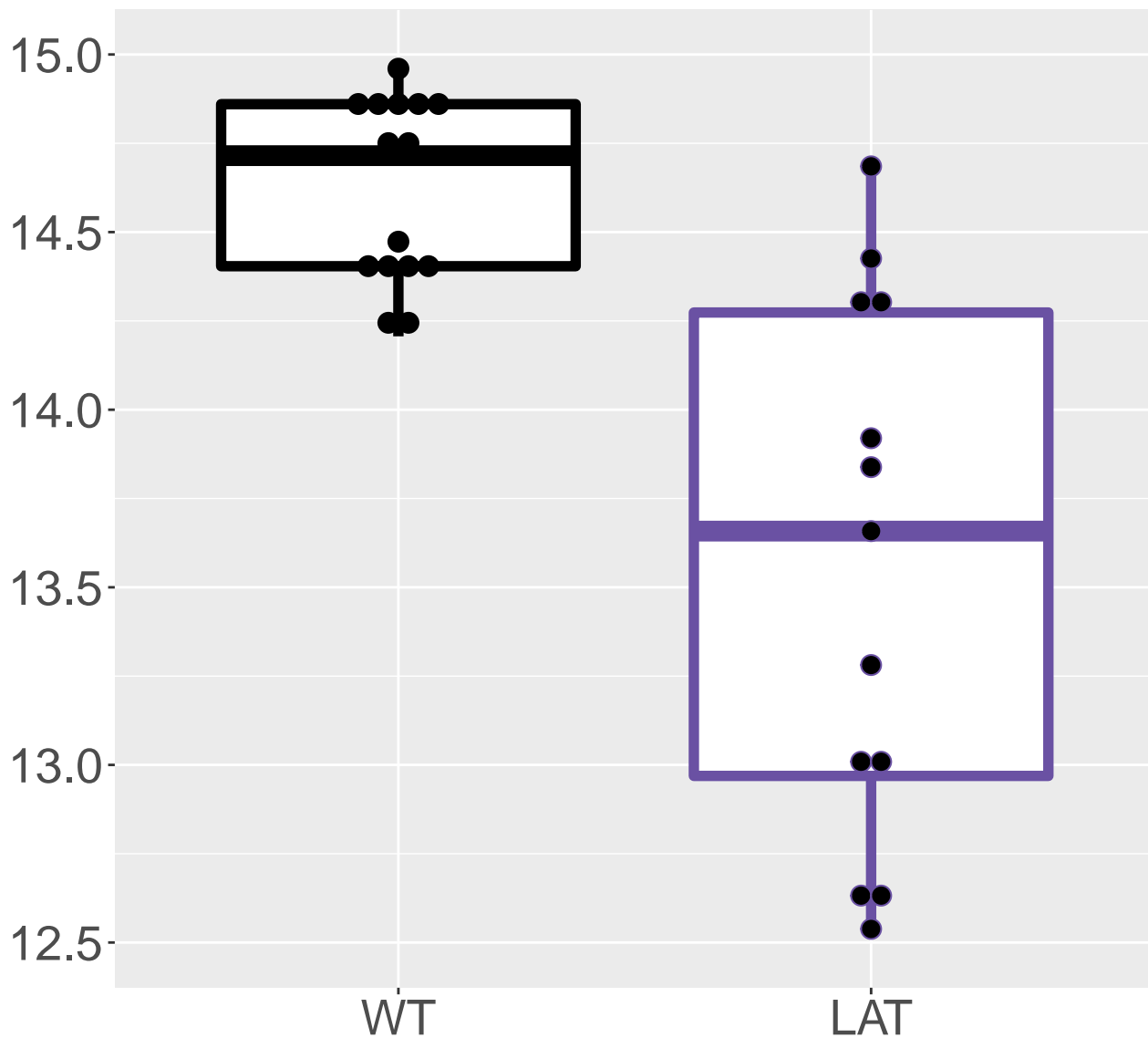
**M654.2765T178.72**

**FDR = 0.00029, FC = 0.9, sex\*\***



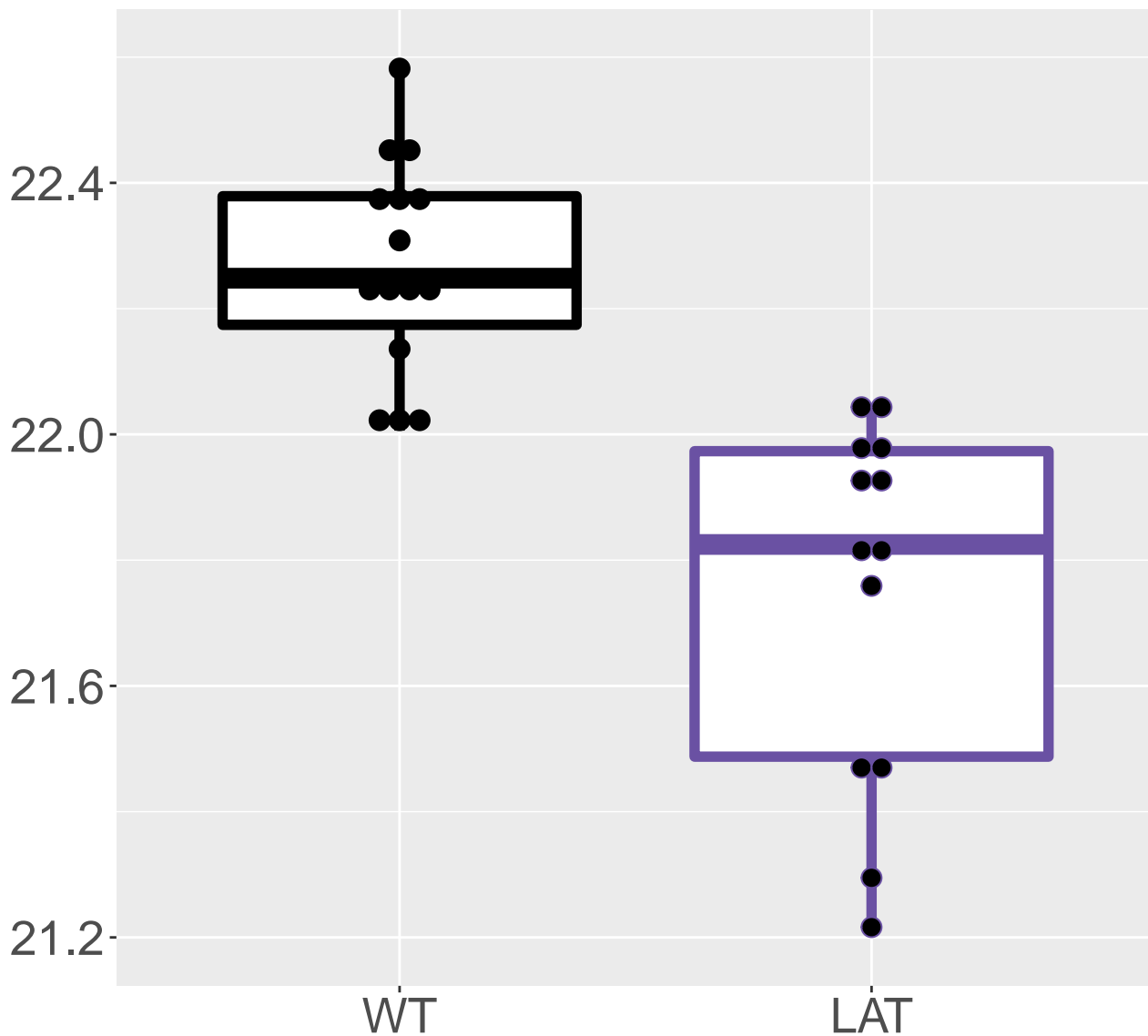
**M389.2407T160.74**

**FDR = 0.00029, FC = -1.1**



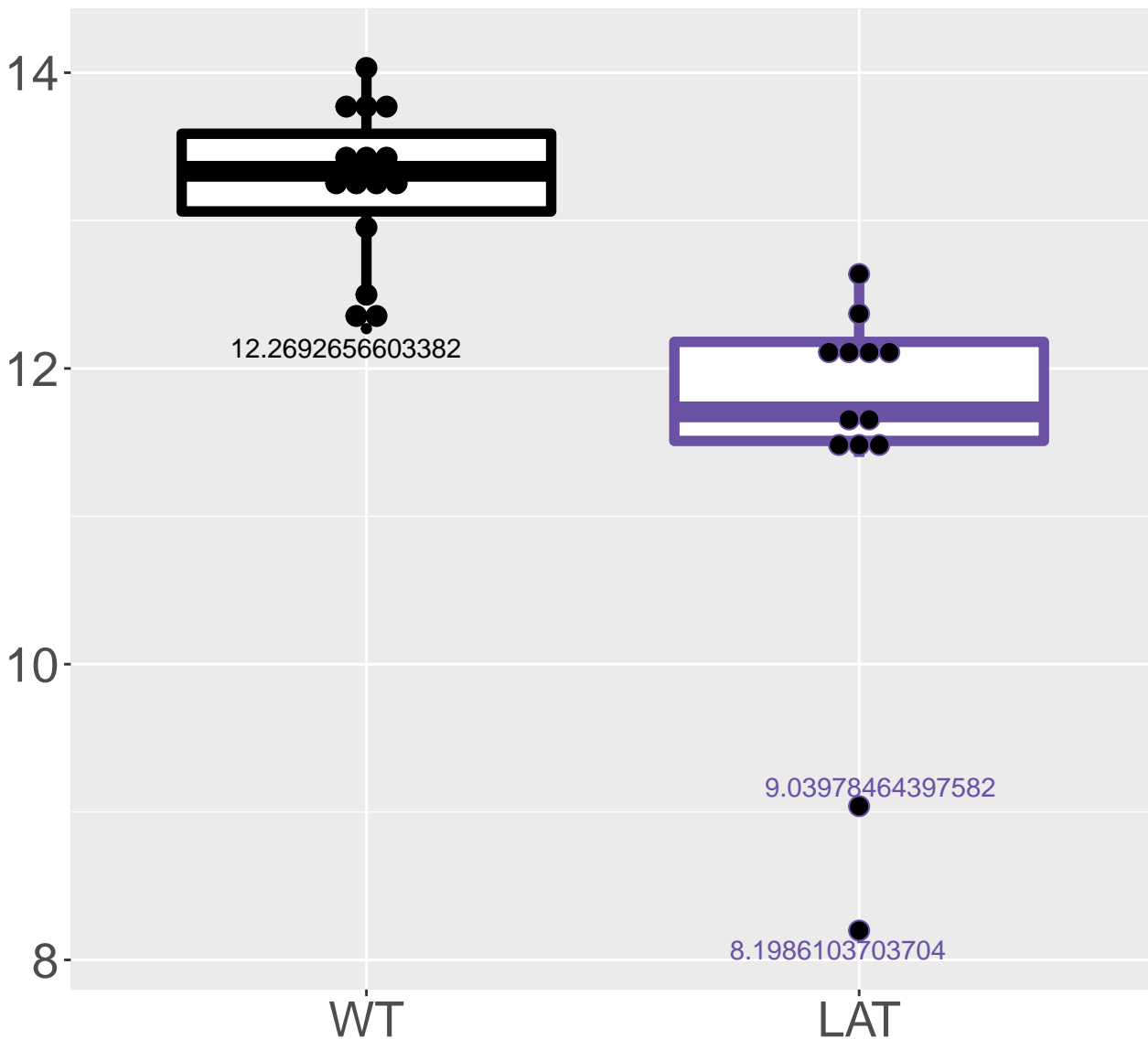
**M267.0987T108.76**

**FDR = 0.00029, FC = -0.52**



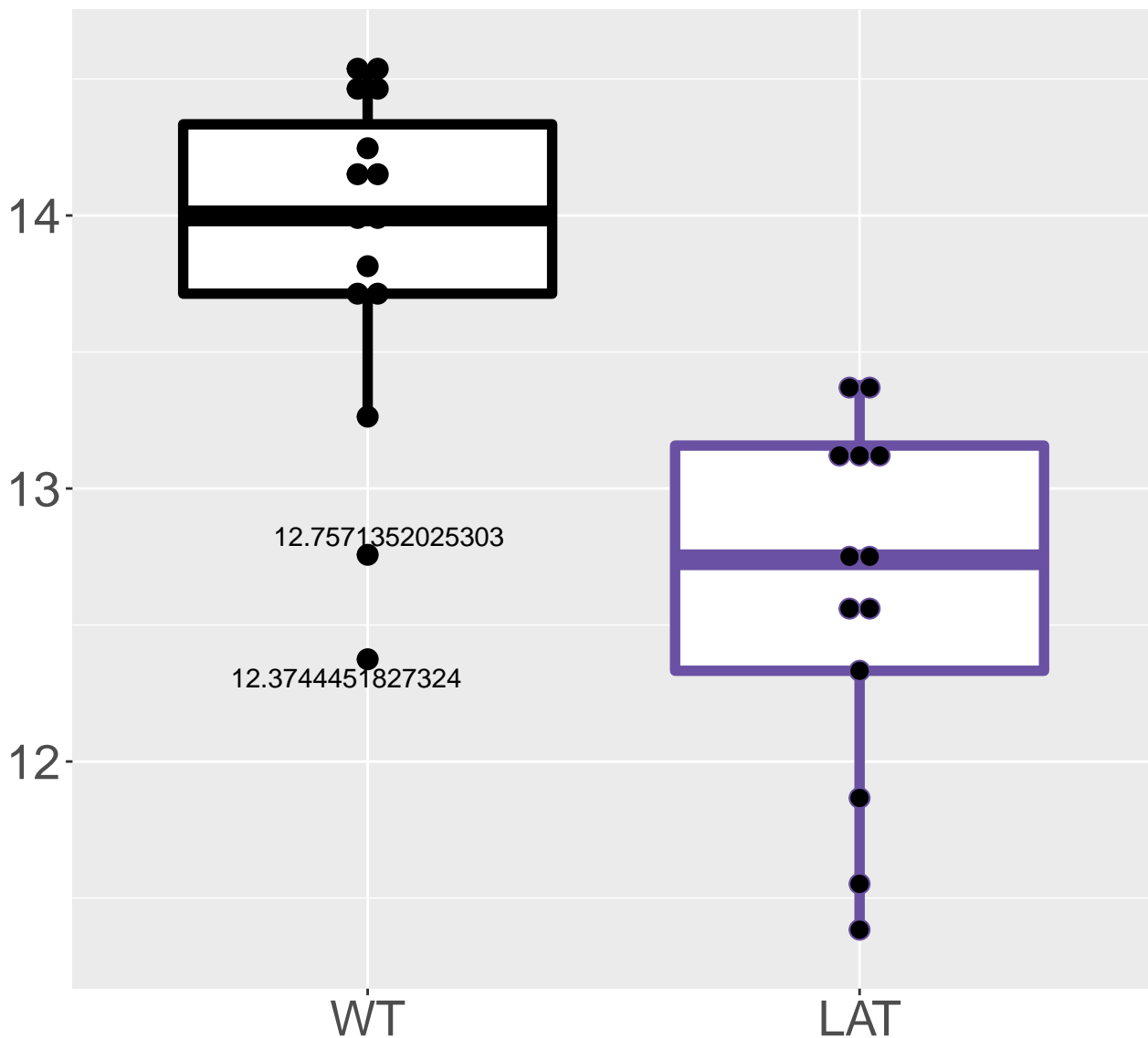


**FDR = 0.00029, FC = -1.8**



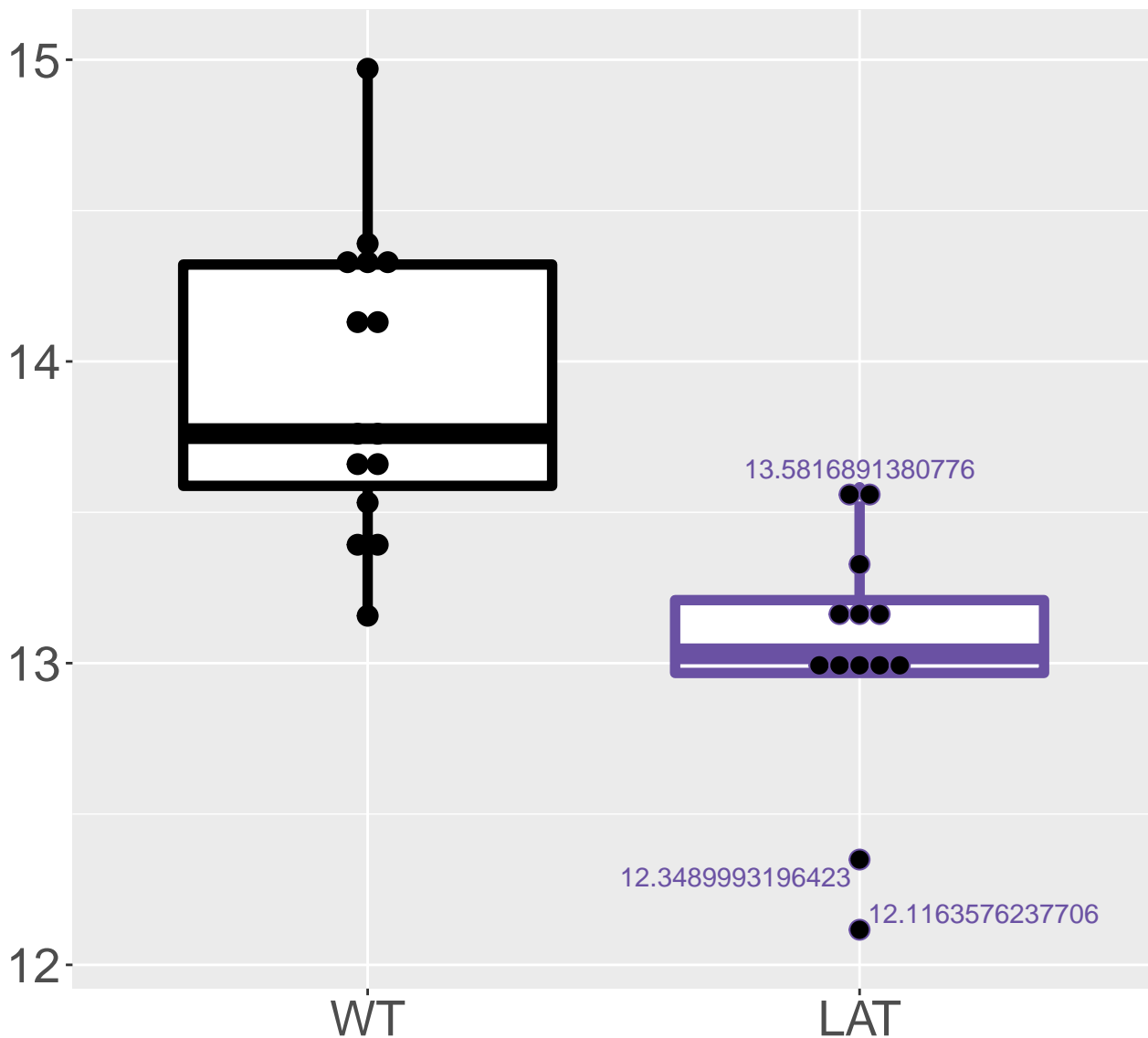
**M421.266T307.23\_2**

**FDR = 0.00029, FC = -1.3**

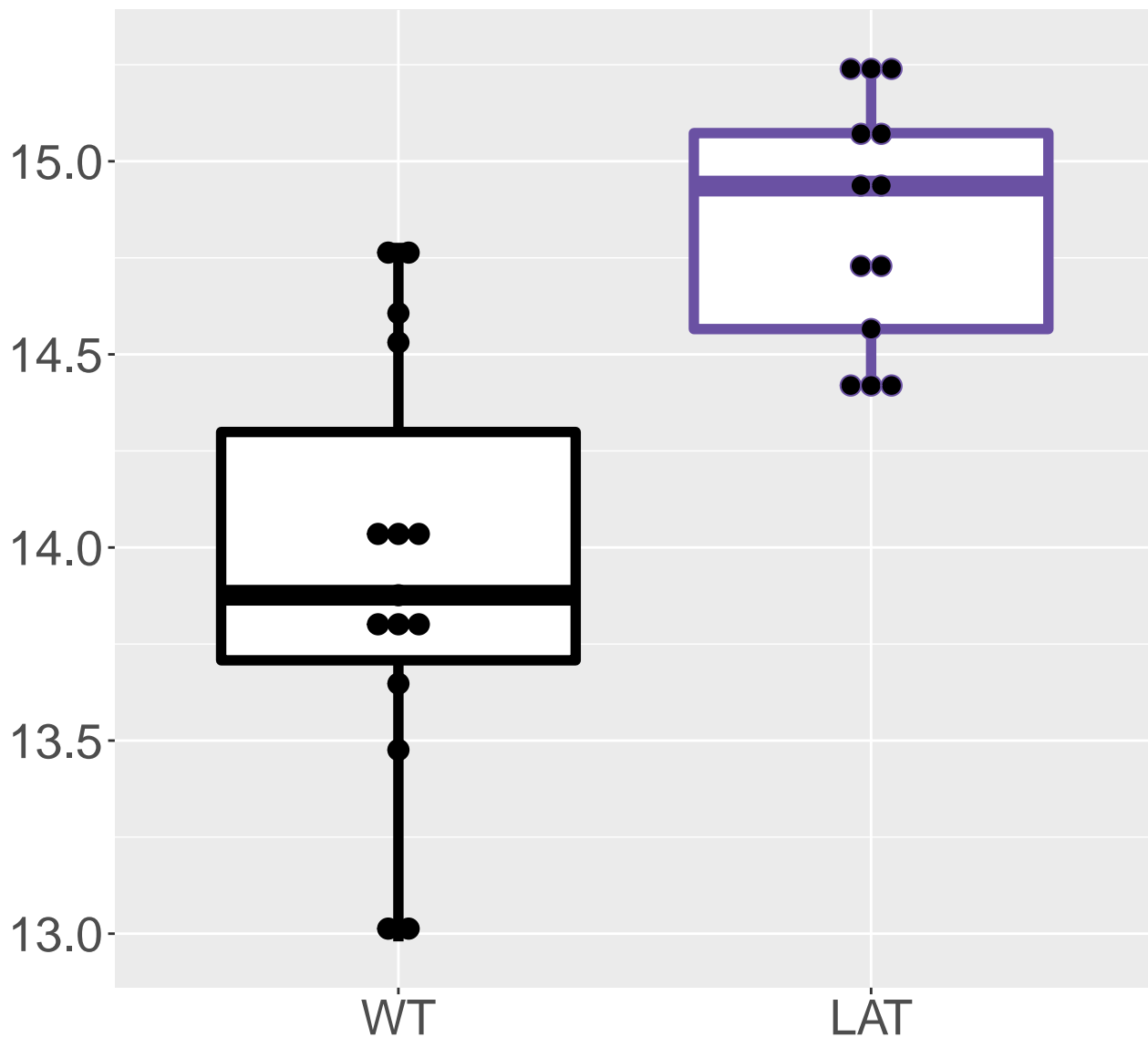


**M281.1569T258.07**

**FDR = 0.00029, FC = -0.9**

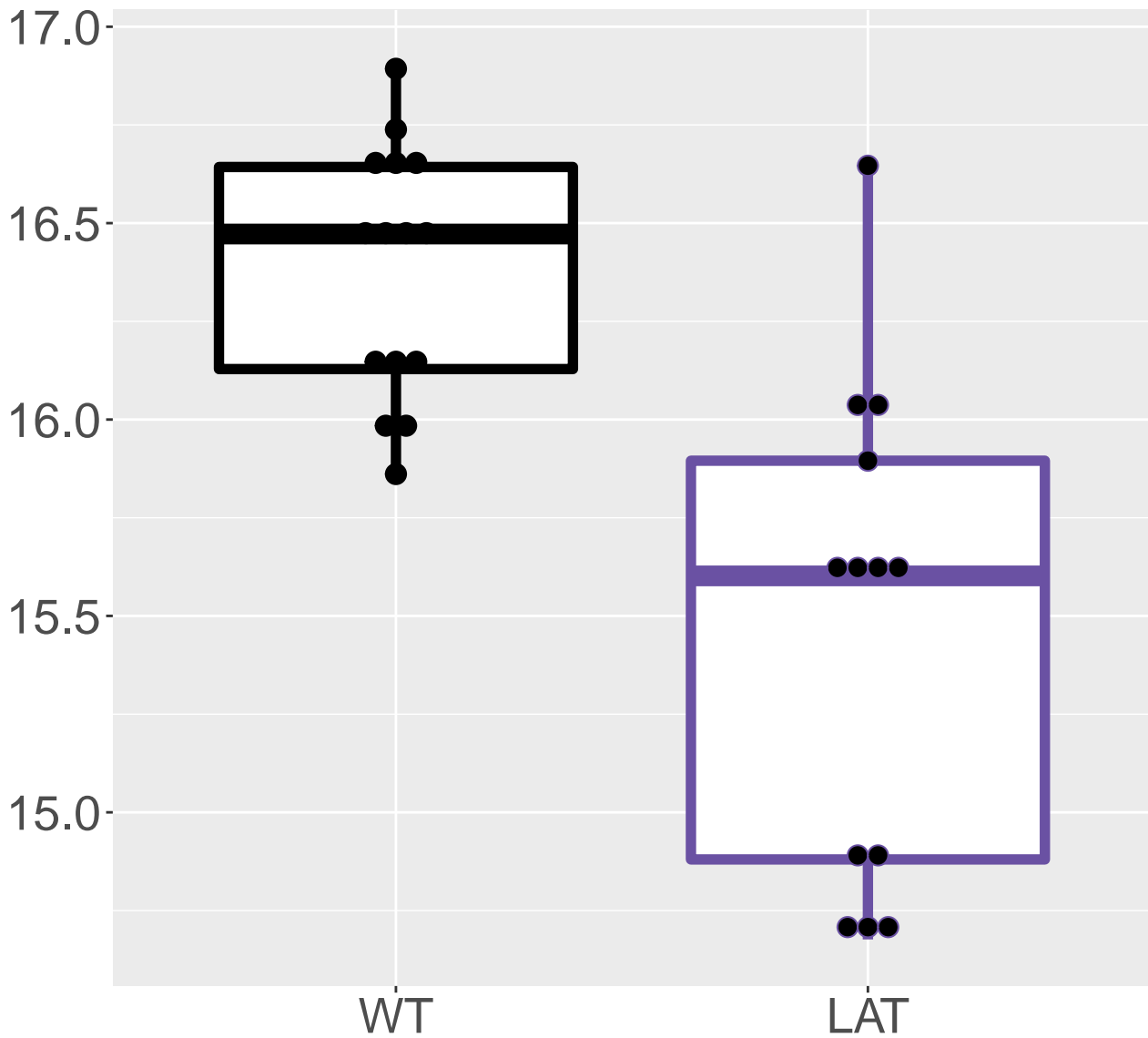


**M305.6469T137.67**  
**FDR = 3e-04, FC = 0.9**



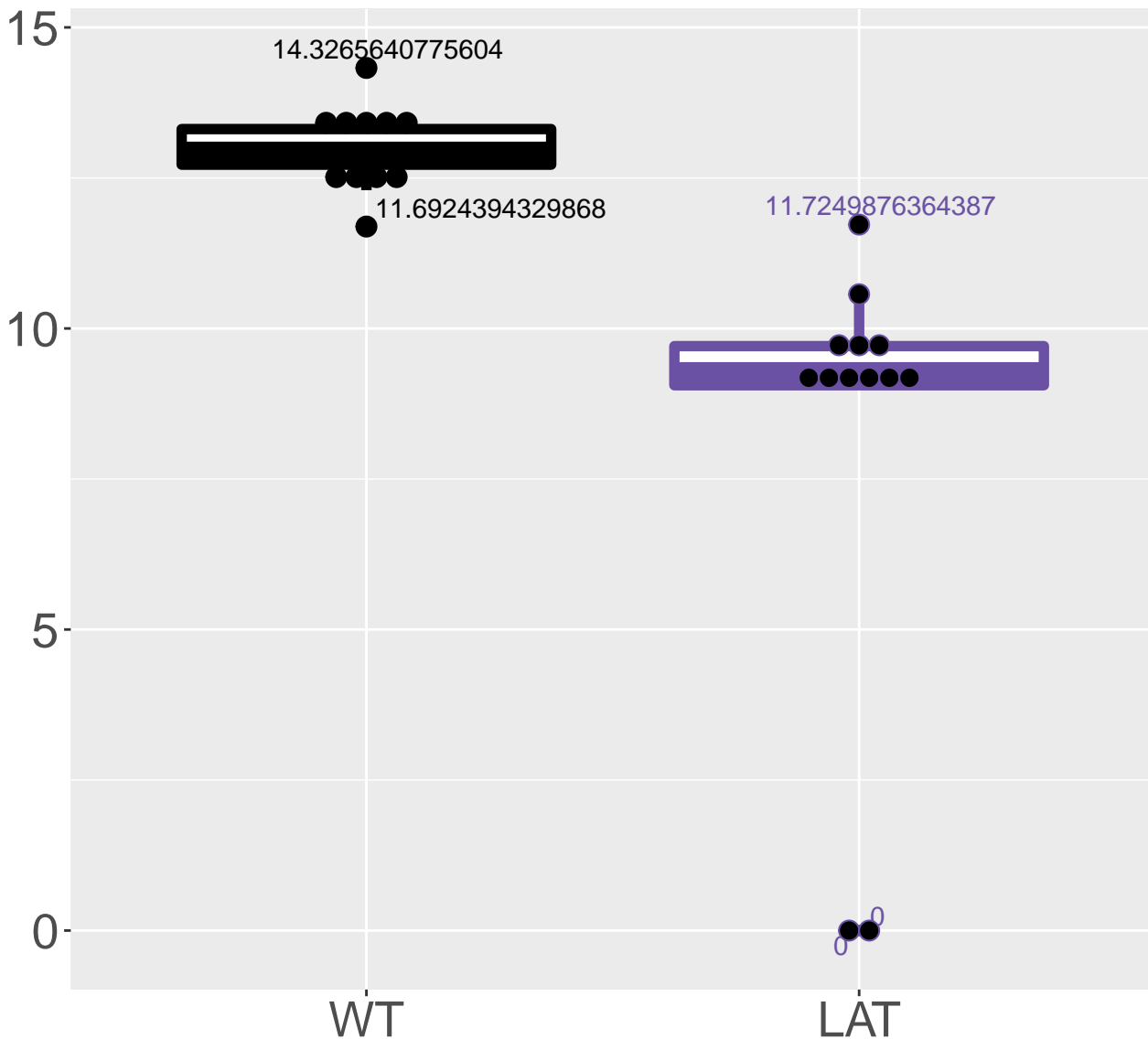
**M126.7138T75.53\_9**

**FDR = 0.00031,  $\overline{FC} = -0.92$**



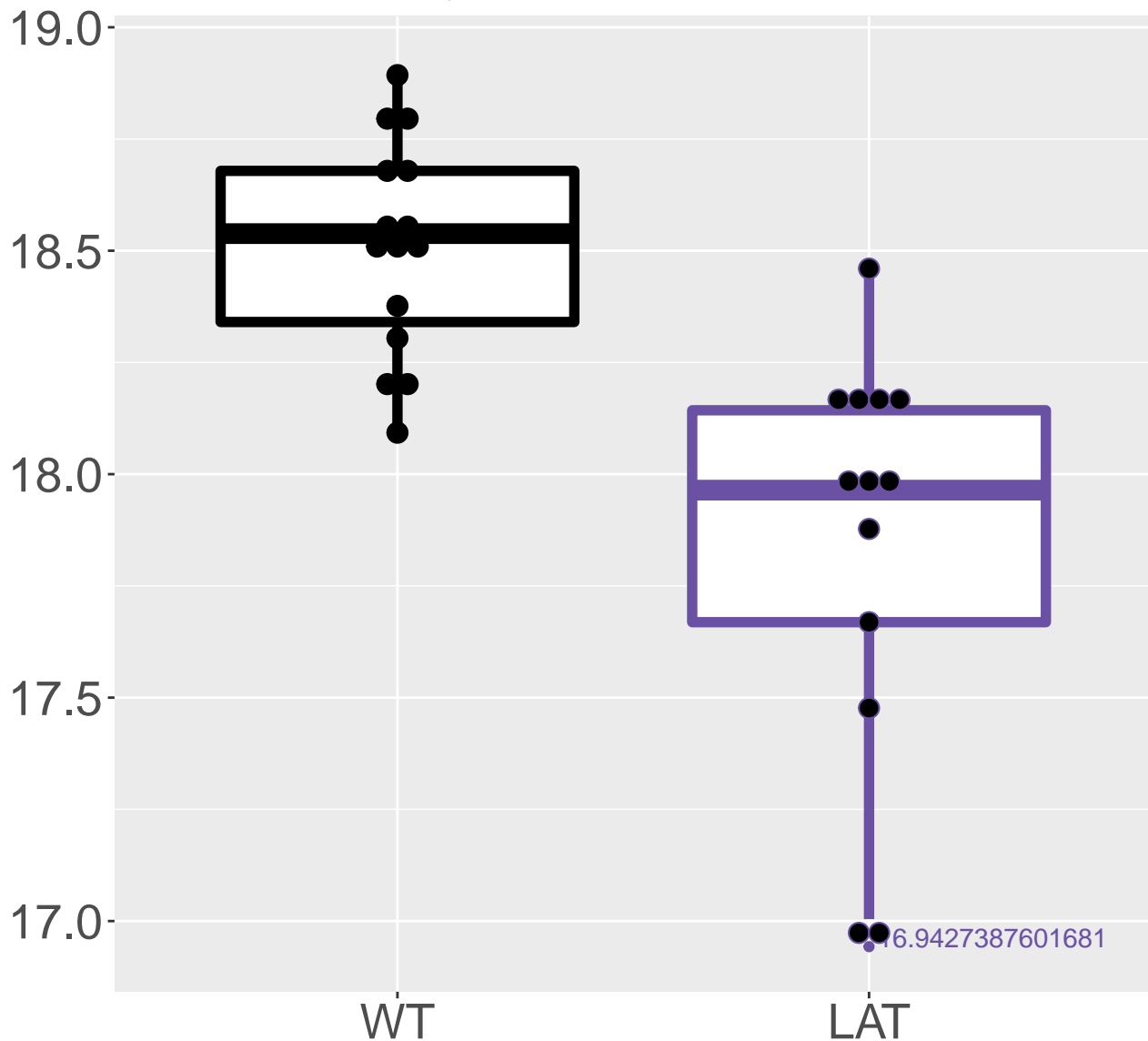
**M503.2854T240.56**

**FDR = 0.00031, FC = -4.8**



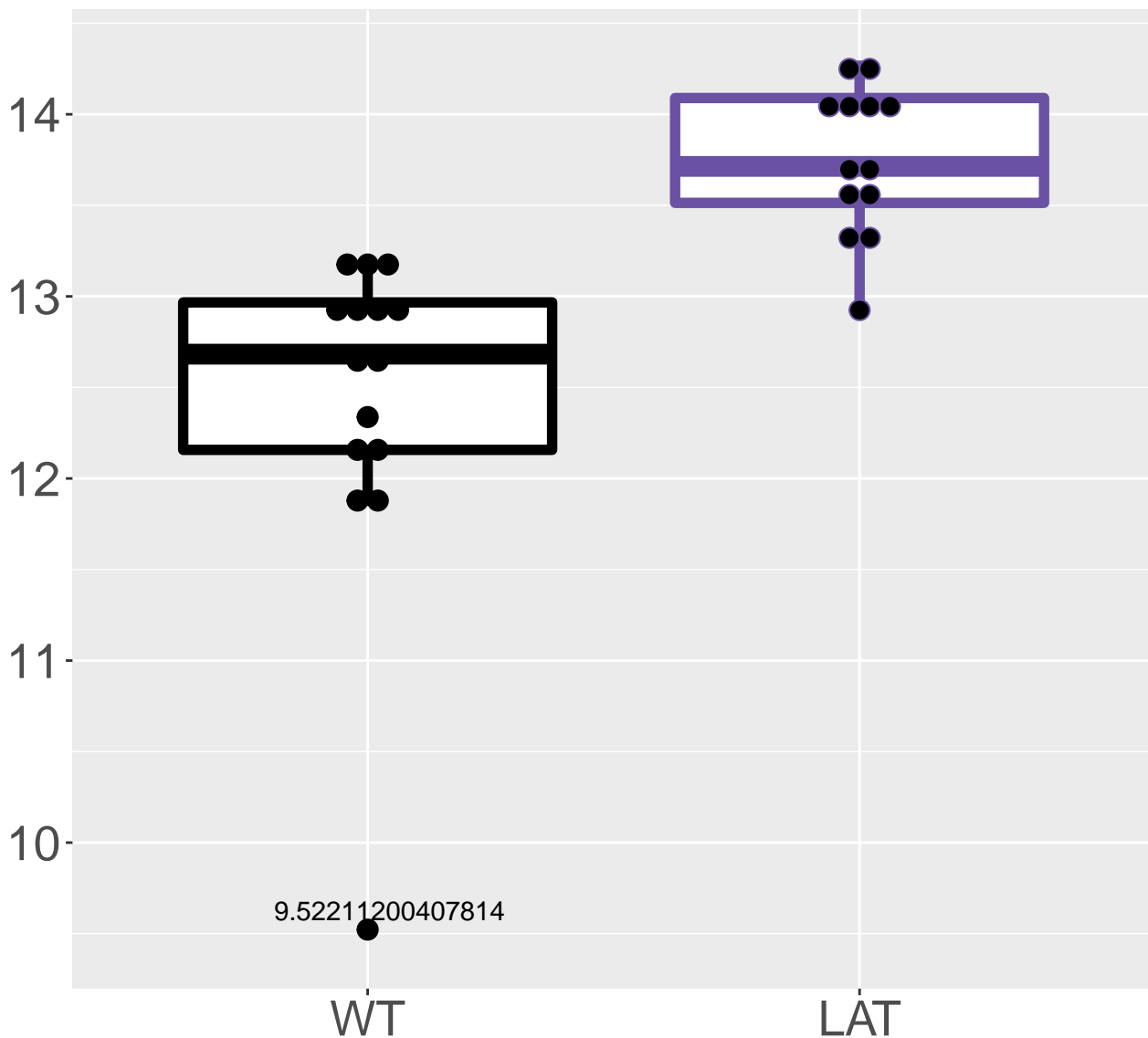
**M94.5739T41.82\_1**

**FDR = 0.00031, FC = -0.66**



**M528.7954T332.22**

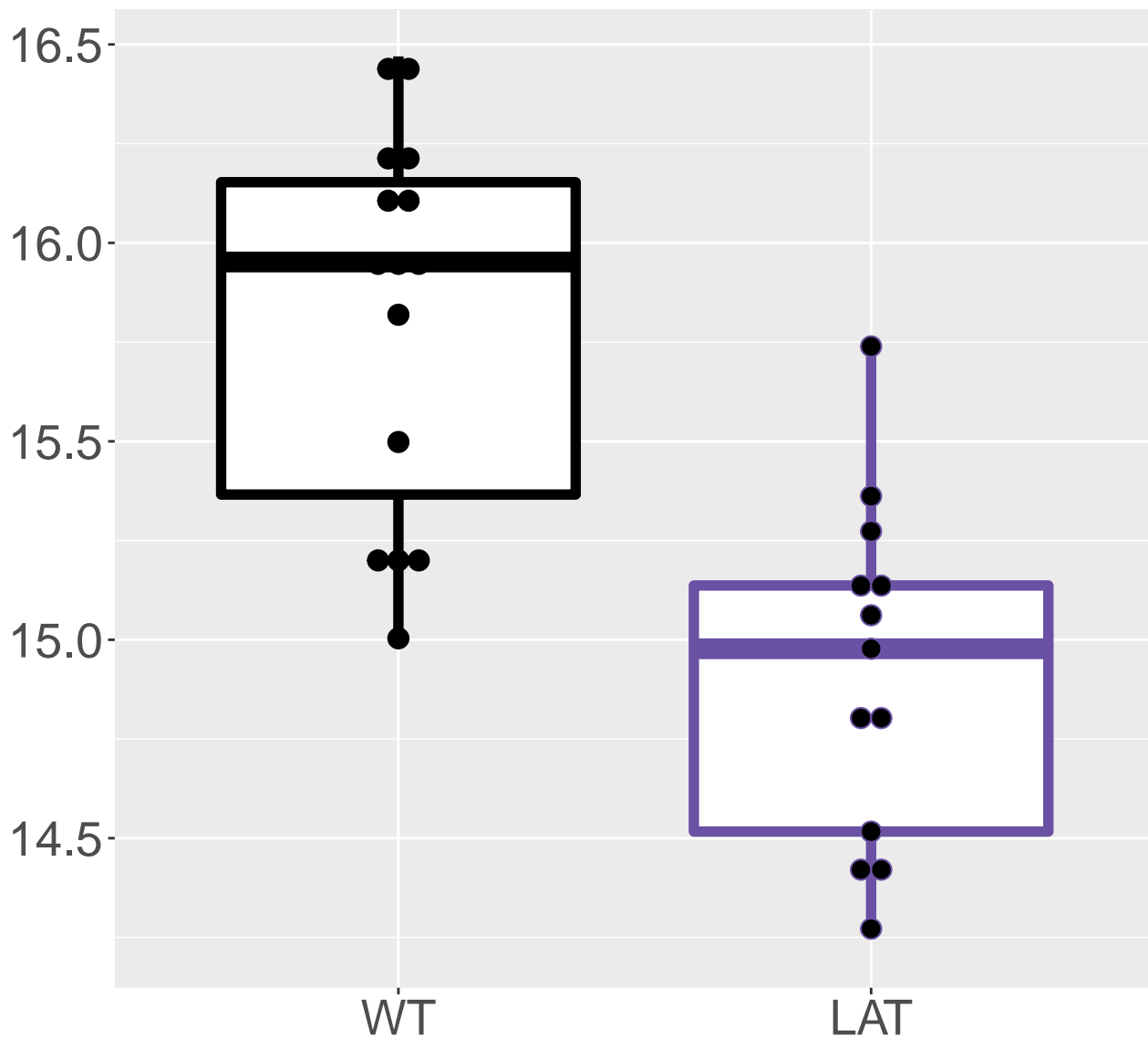
**FDR = 0.00031, FC = 1.3**





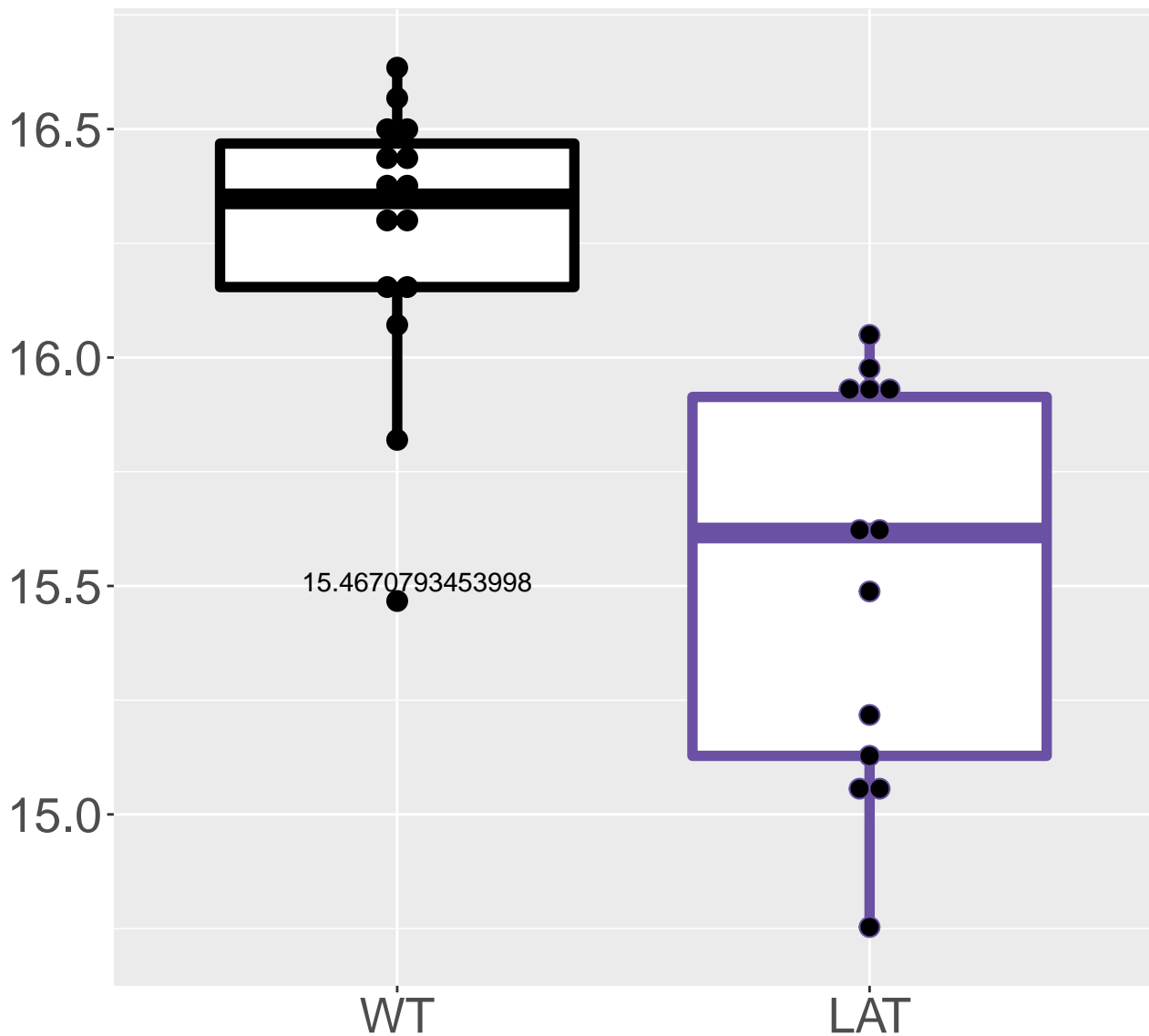
**M339.7154T331.49\_1**

**FDR = 0.00032, FC = -0.9**



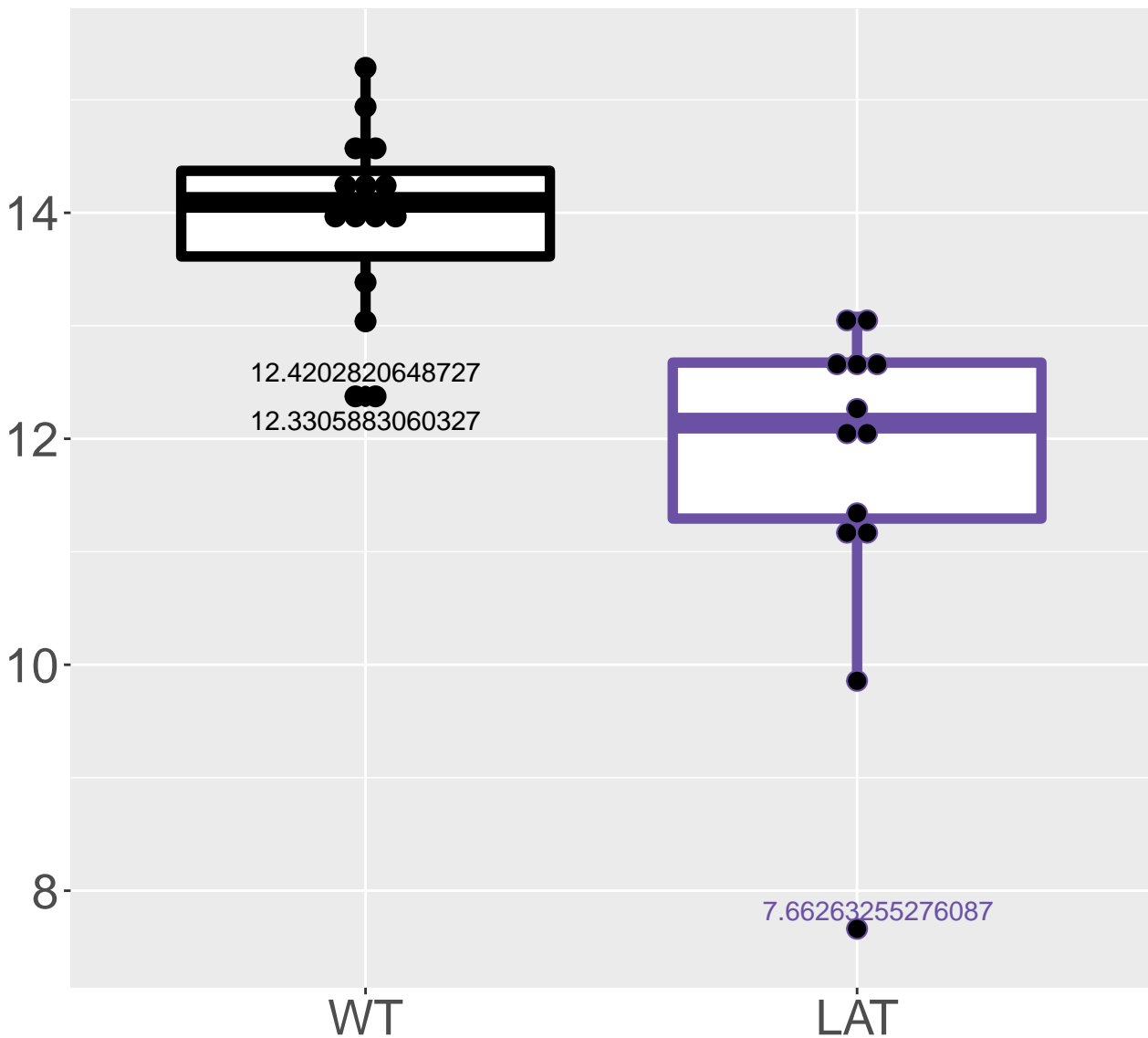
**M169.2921T113.13\_39**

**FDR = 0.00032, FC = -0.75**

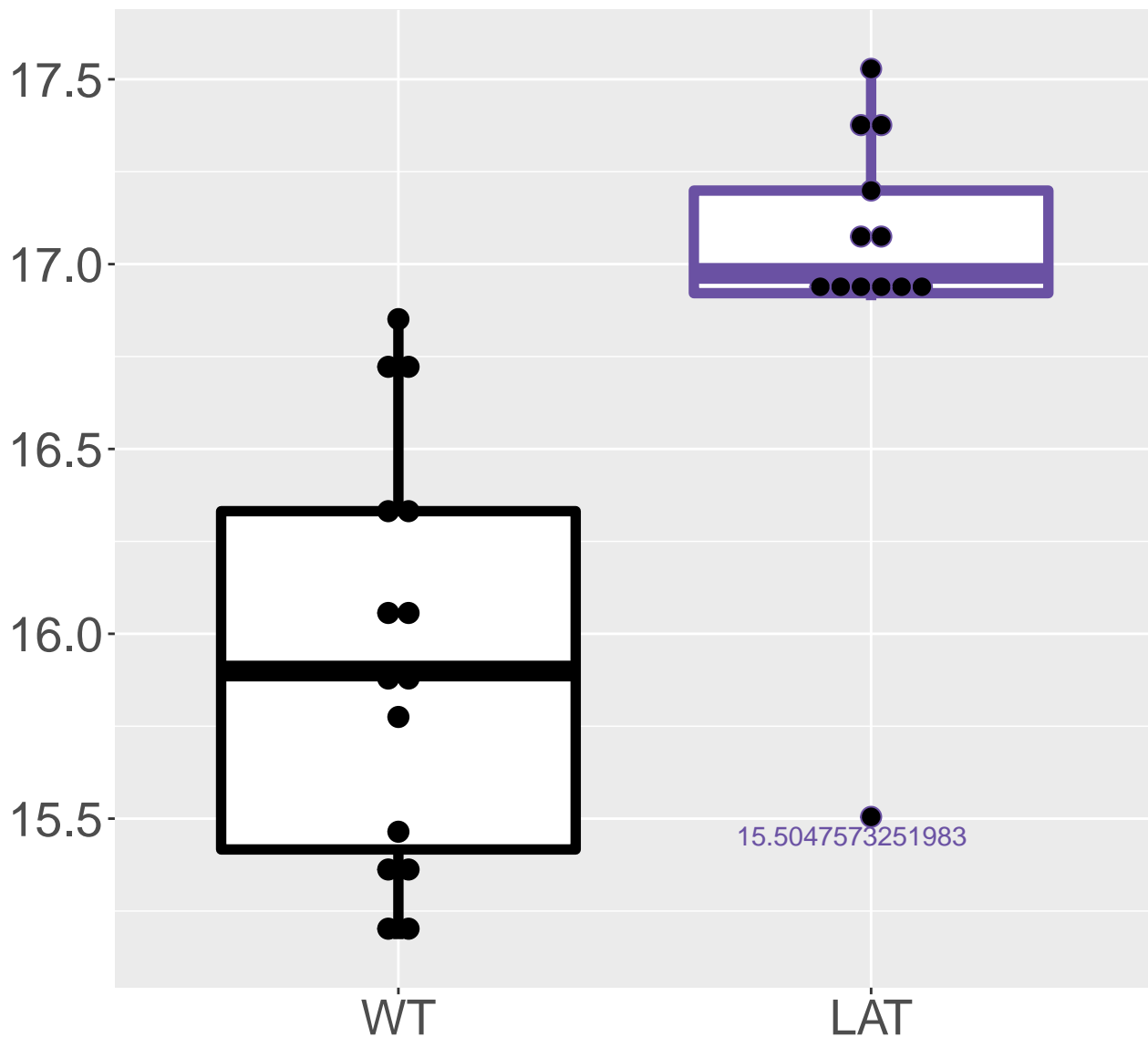


**M372.8928T253.73\_2**

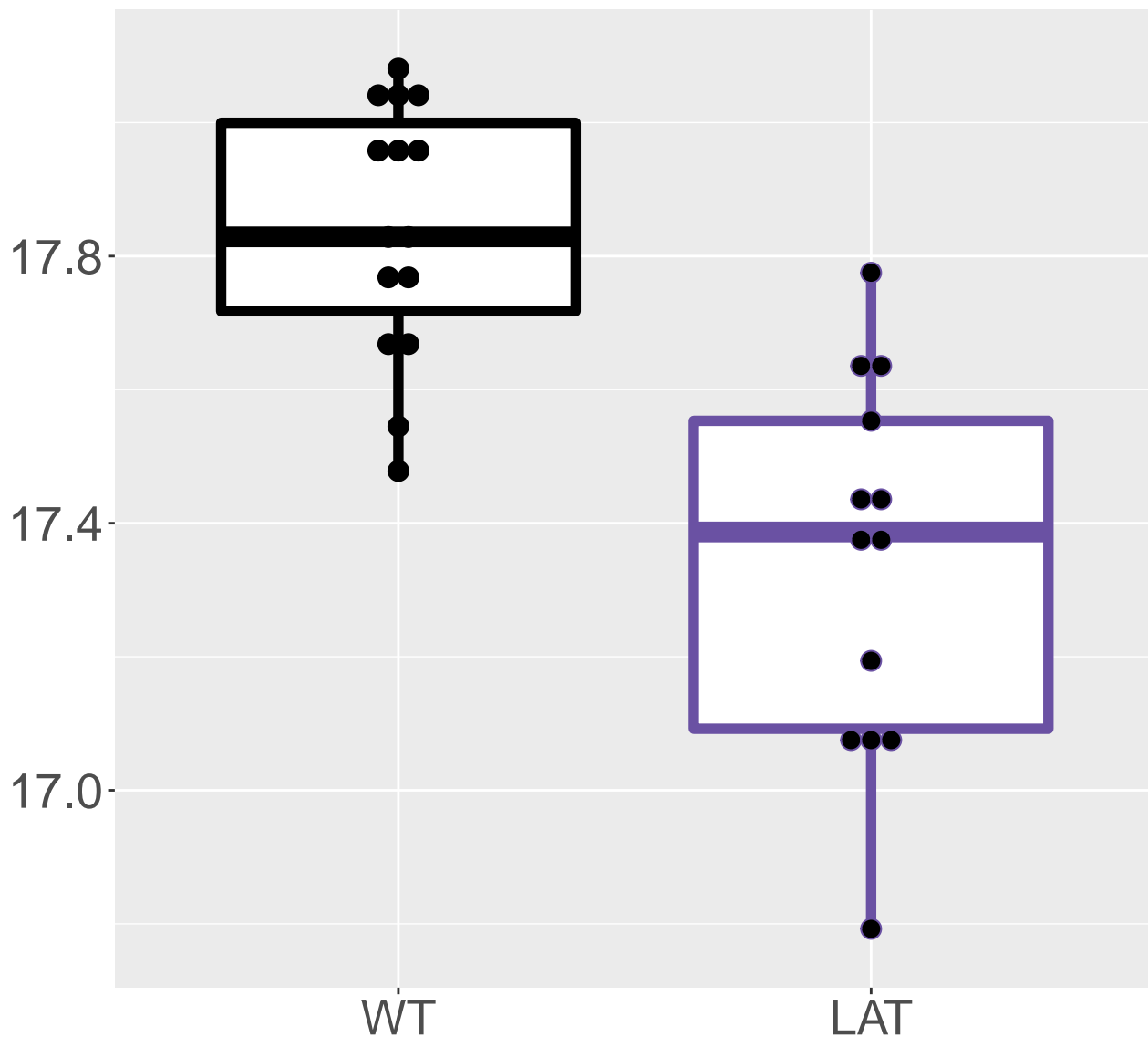
**FDR = 0.00032, FC = -2.3**



**M326.032T47.1**  
**FDR = 0.00032, FC = 1**

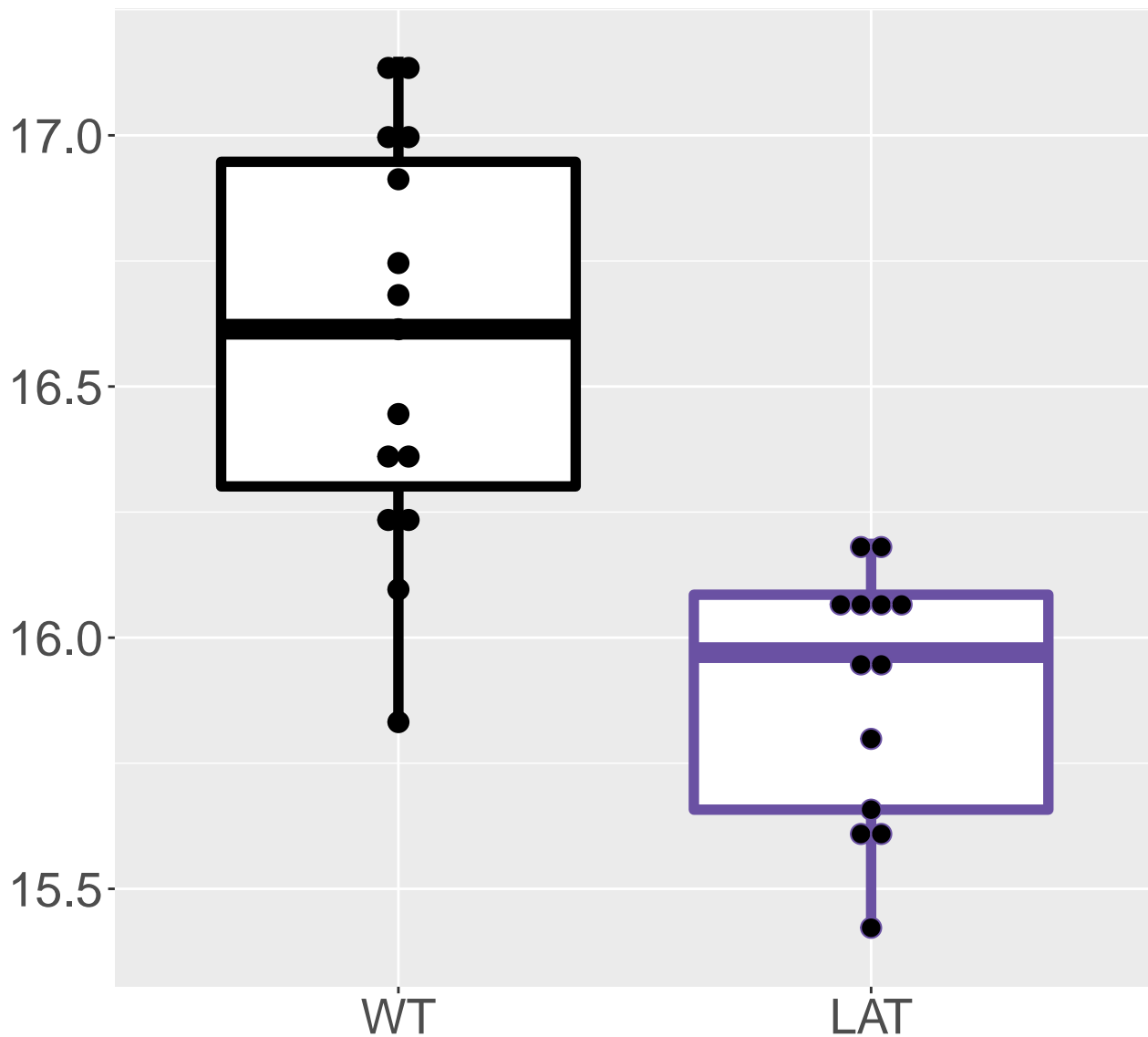


**M209.0099T43.64\_2**  
**FDR = 0.00032, FC = -0.5**



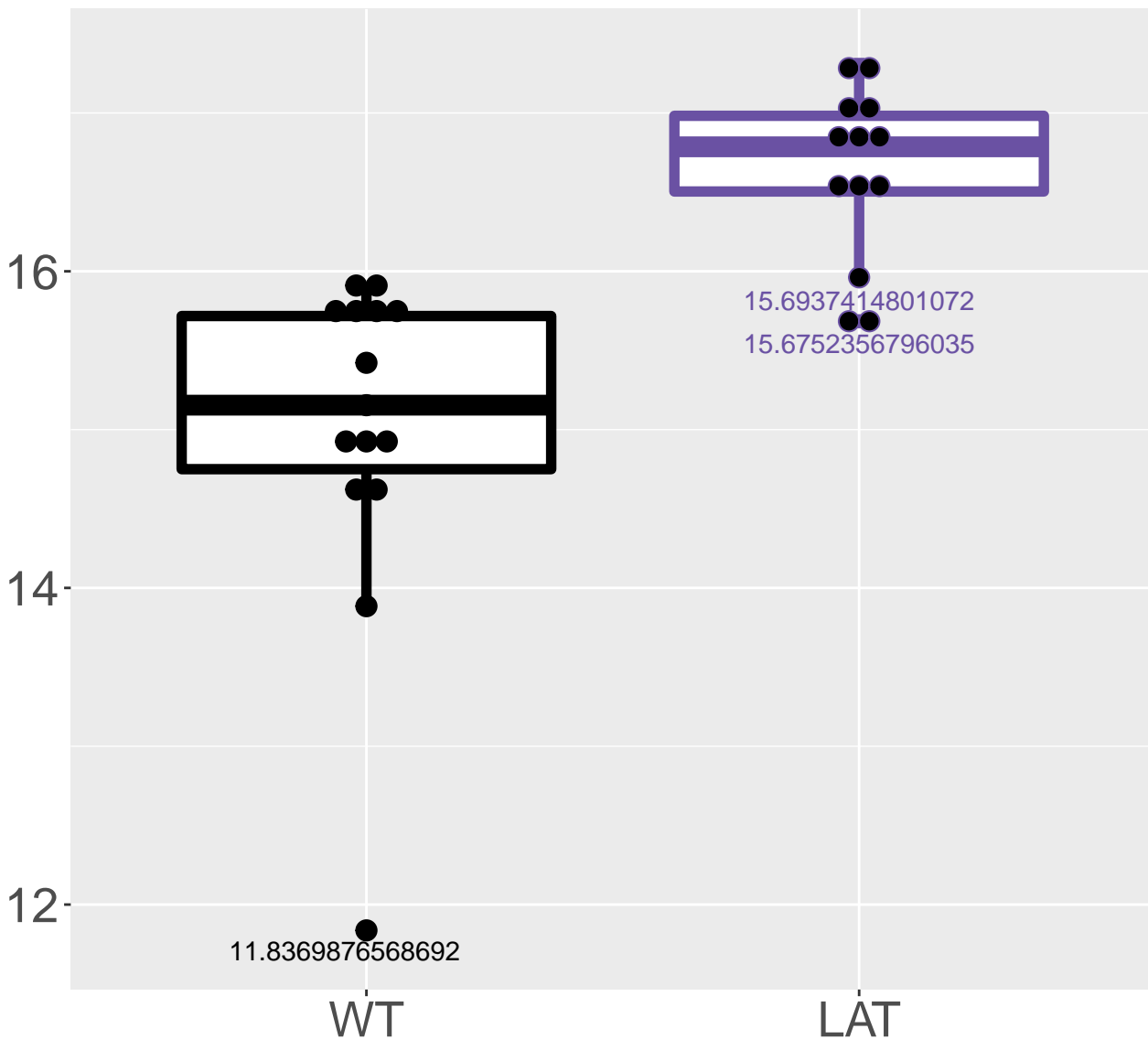
**M127.1888T75.48\_20**

**FDR = 0.00032, FC = -0.69**



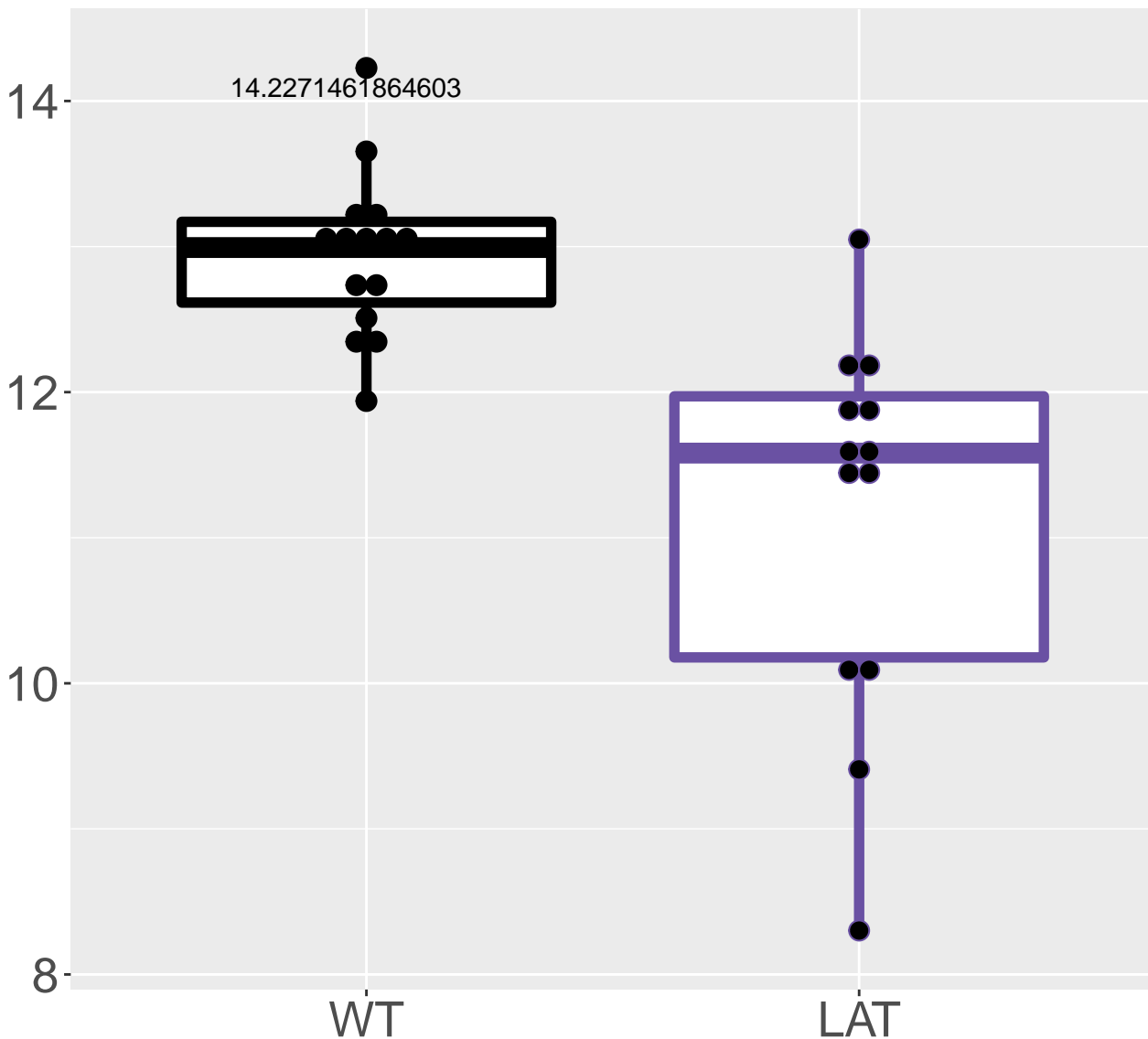
**M284.067T50.33**

**FDR = 0.00033, FC = 1.6**



**M447.5618T136.81**

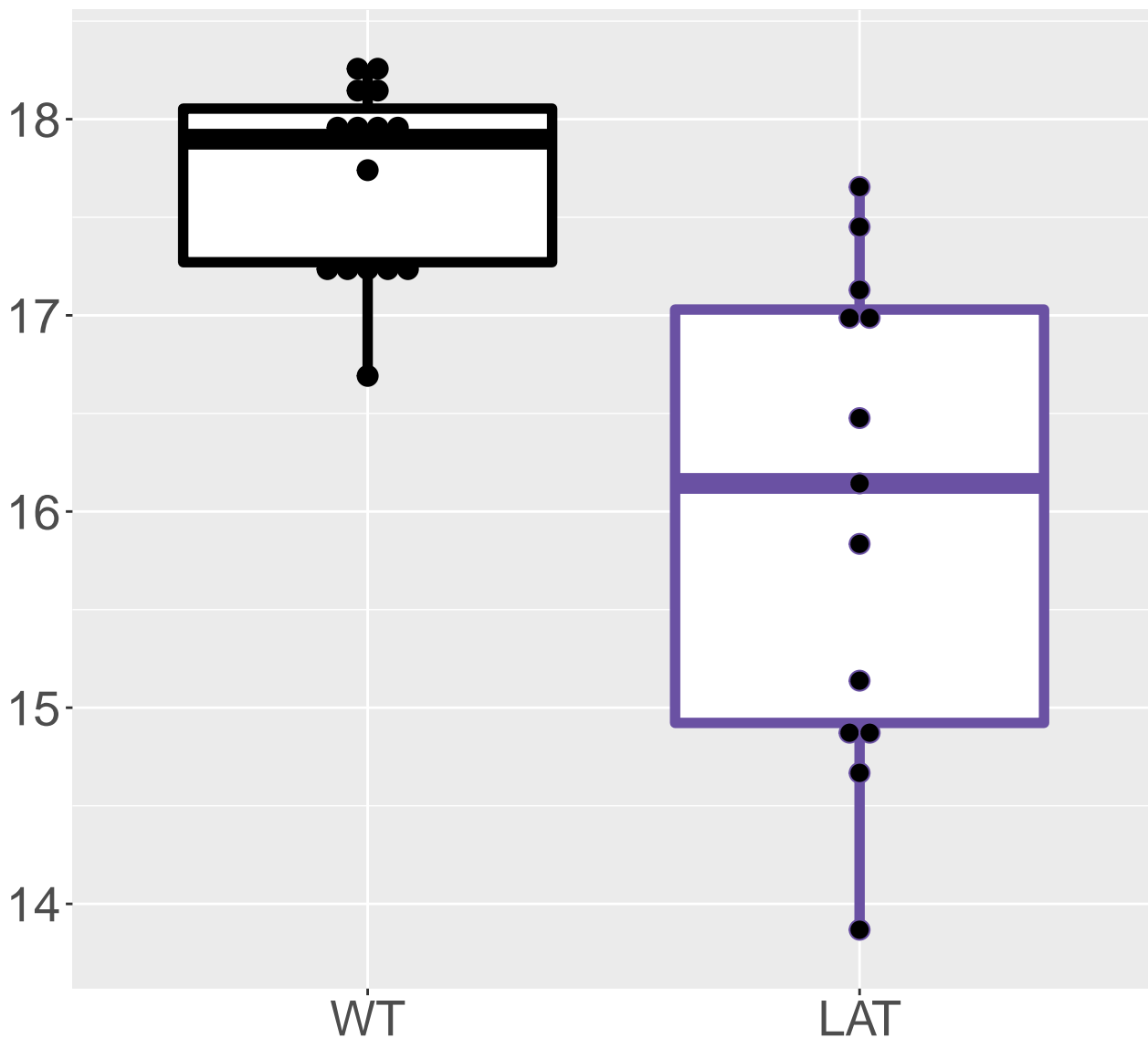
**FDR = 0.00033, FC = -1.8**





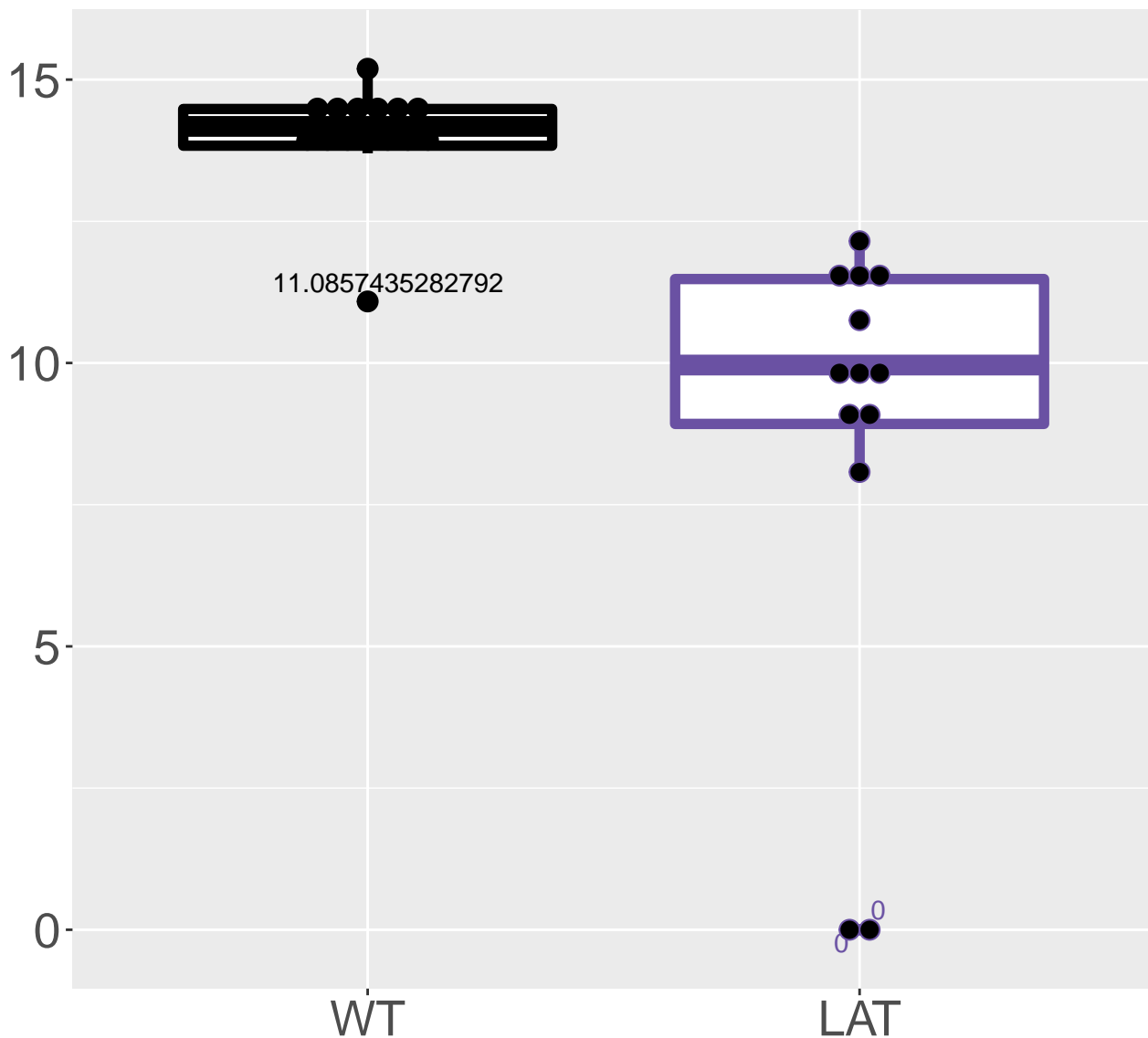
**M456.2089T75**

**FDR = 0.00033, FC = -1.7**



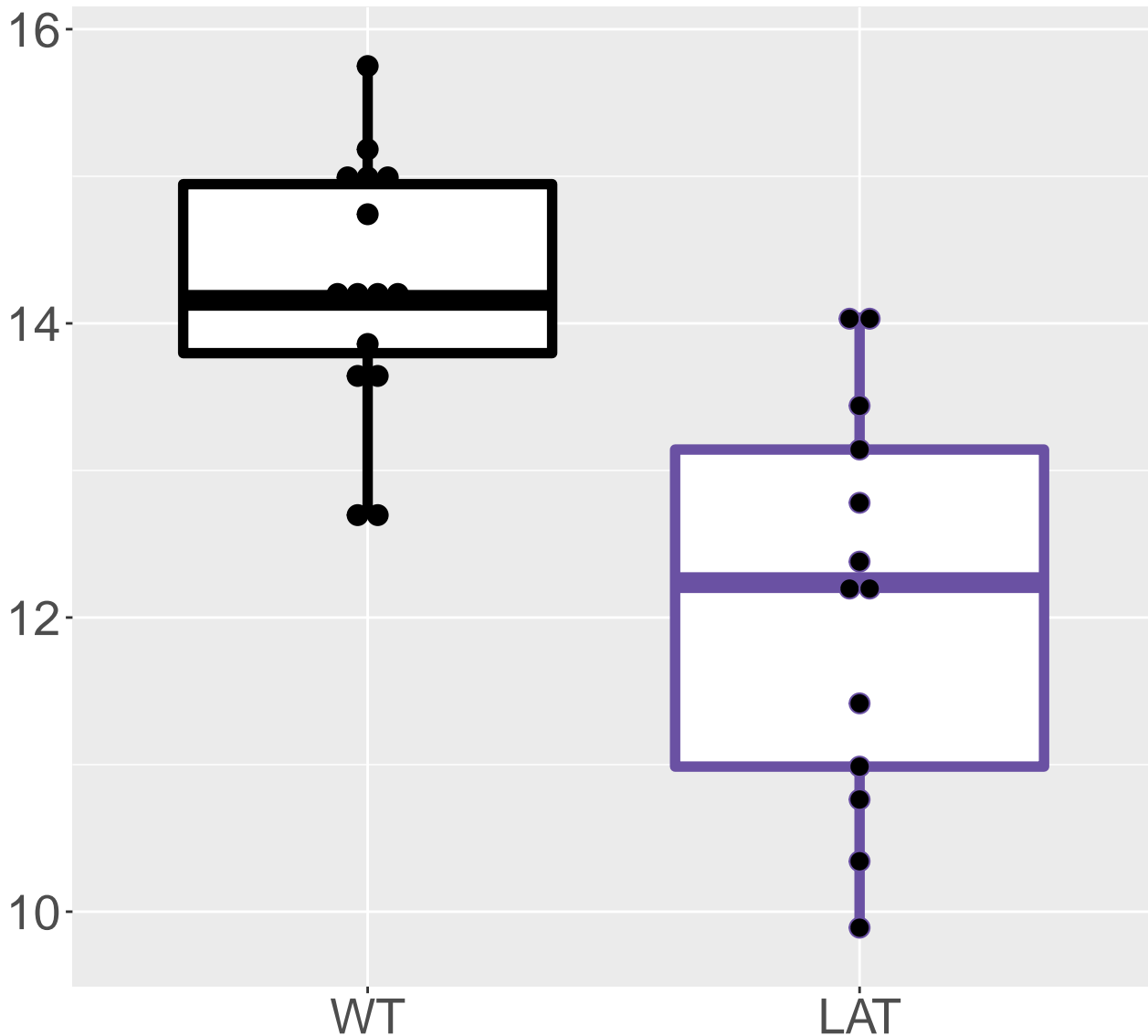
**M552.2575T293.21**

**FDR = 0.00035, FC = -5.3**

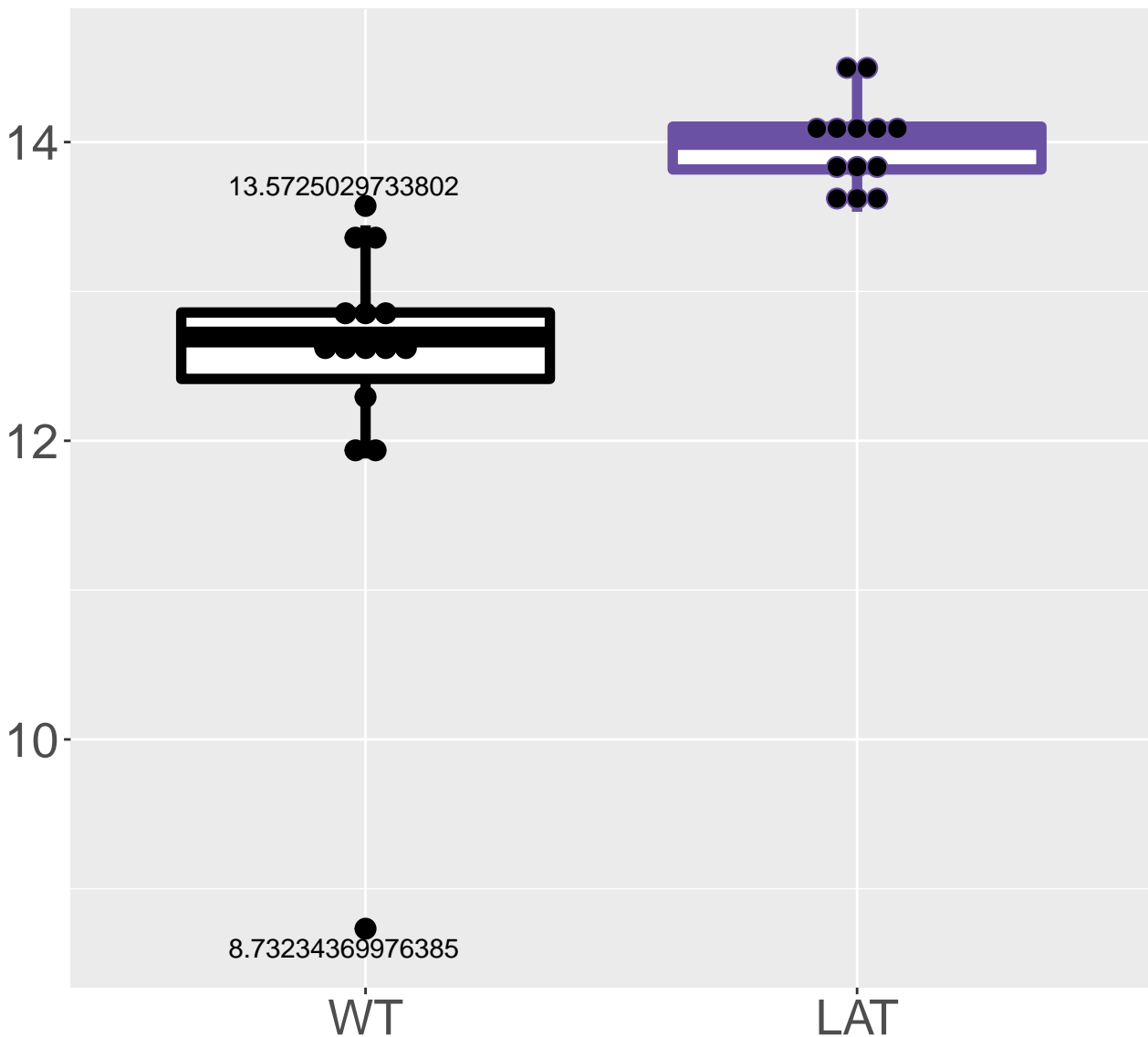


**M677.0357T337.91**

**FDR = 0.00035, FC = -2.1**

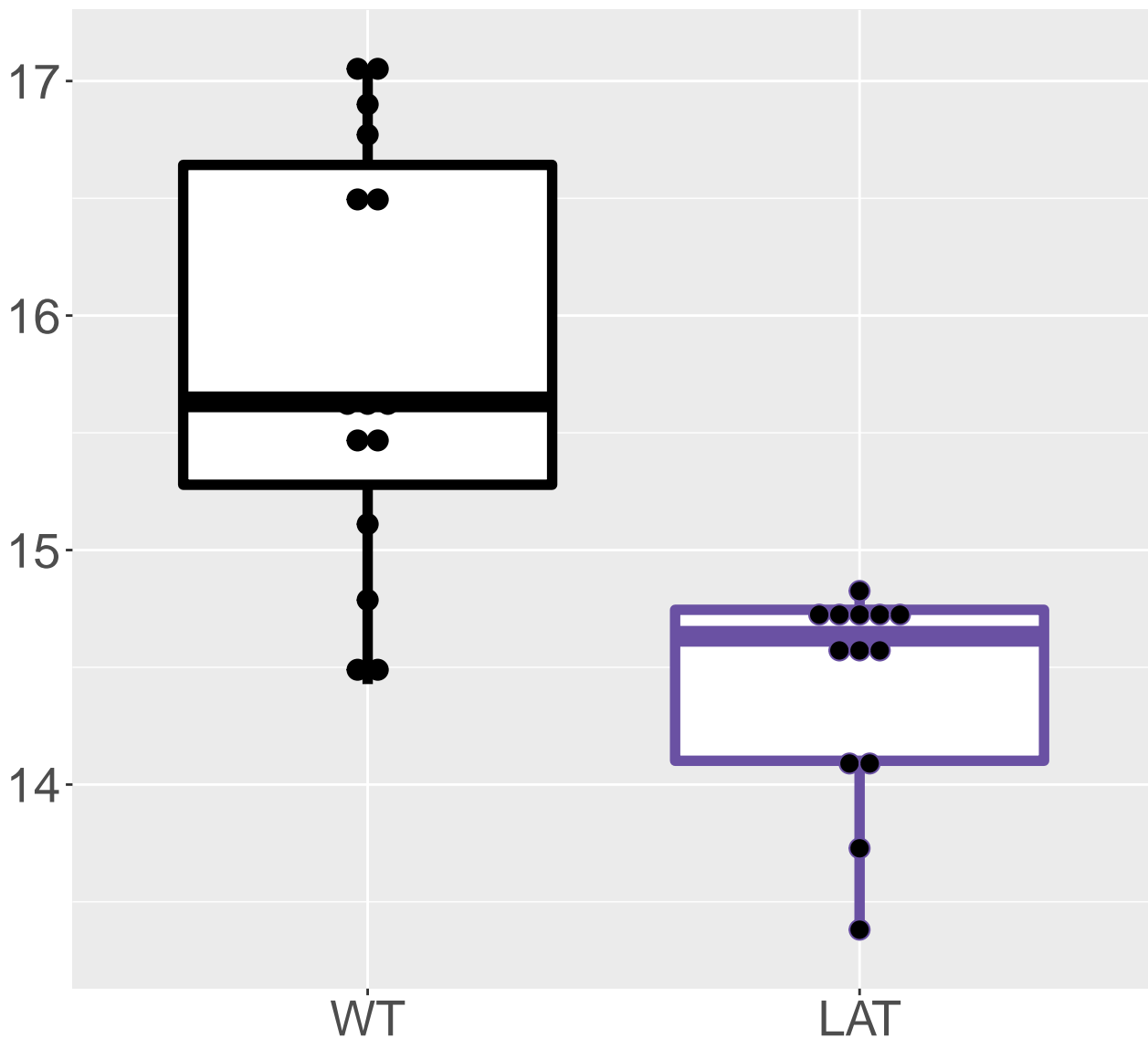


**M466.0014T292.66\_2**  
**FDR = 0.00035, FC = 1.5**



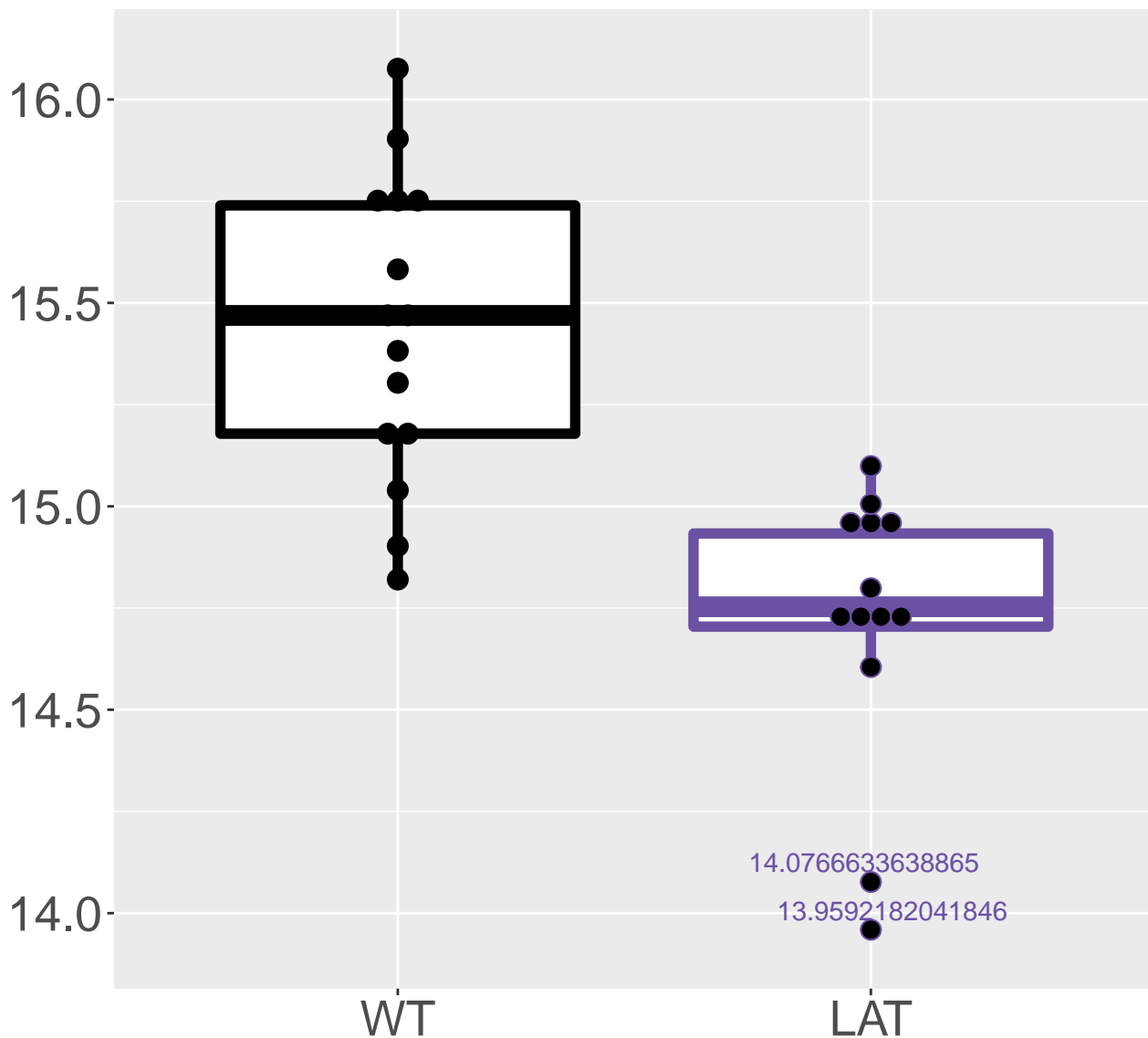
**M601.3383T264.46**

**FDR = 0.00035, FC = -1.4**



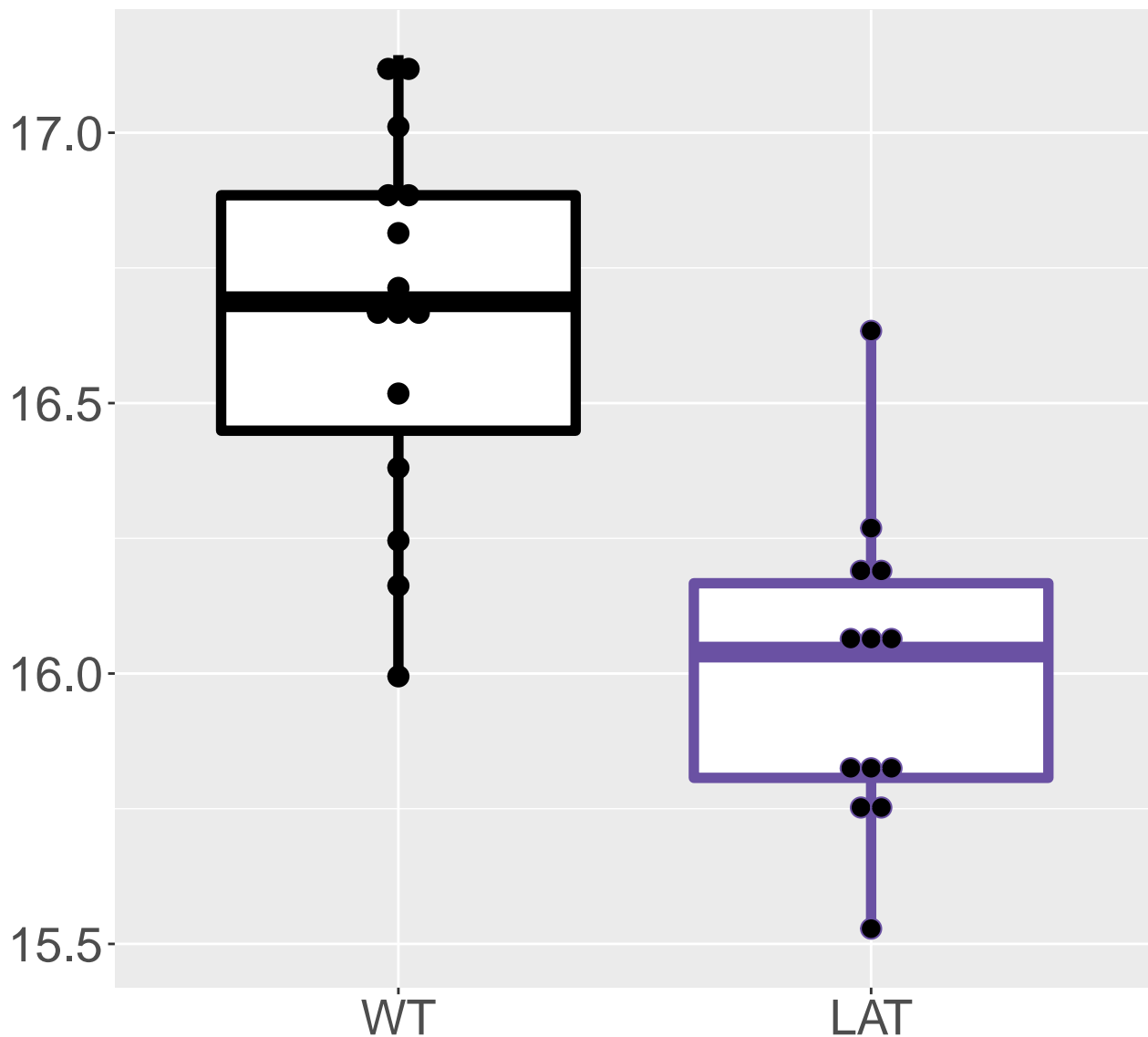
**M606.4518T296.75\_3**

**FDR = 0.00035, FC = -0.72**



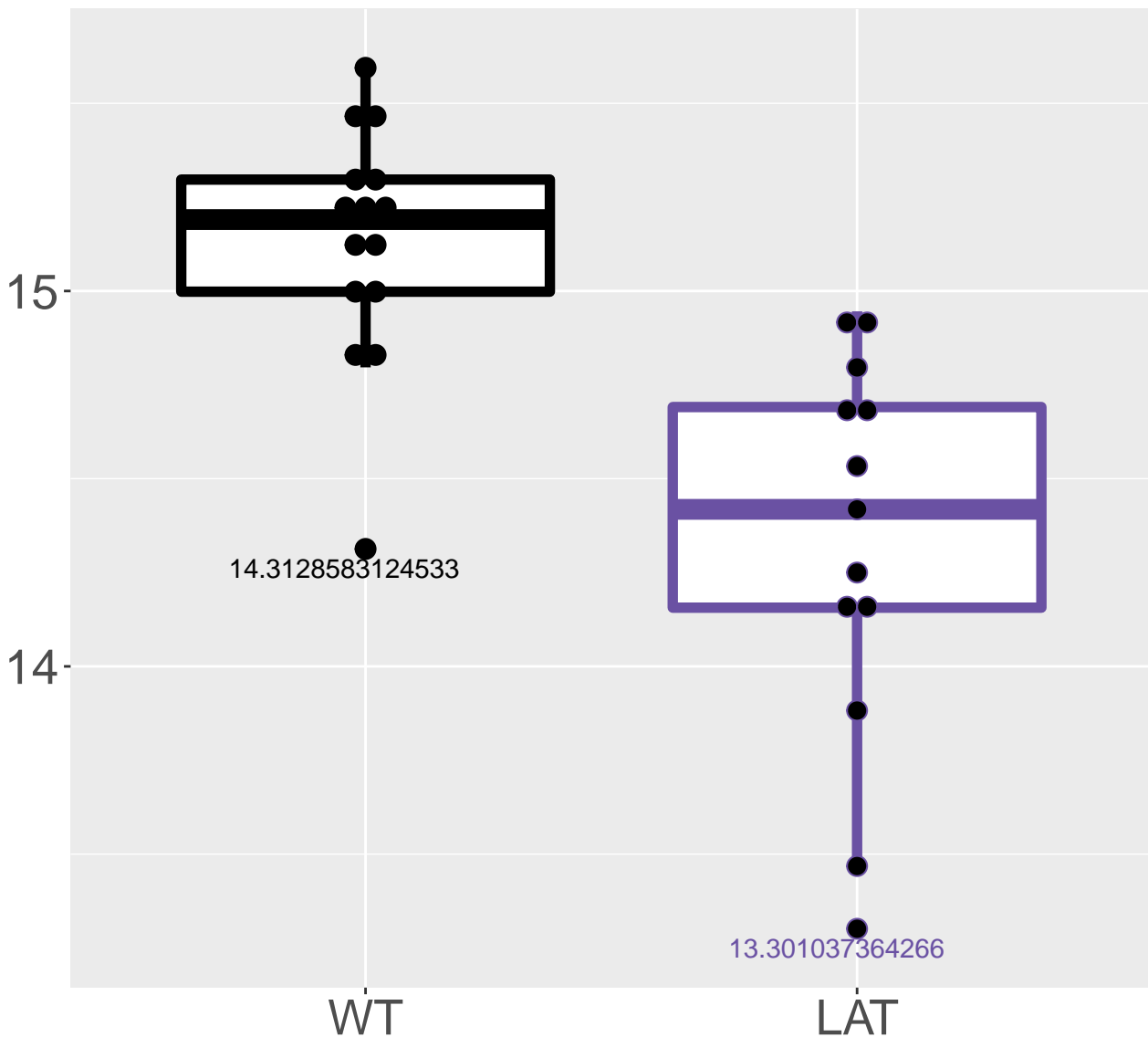
**M127.4837T75.44\_34**

**FDR = 0.00035, FC = -0.66**



**M571.3548T330.61**

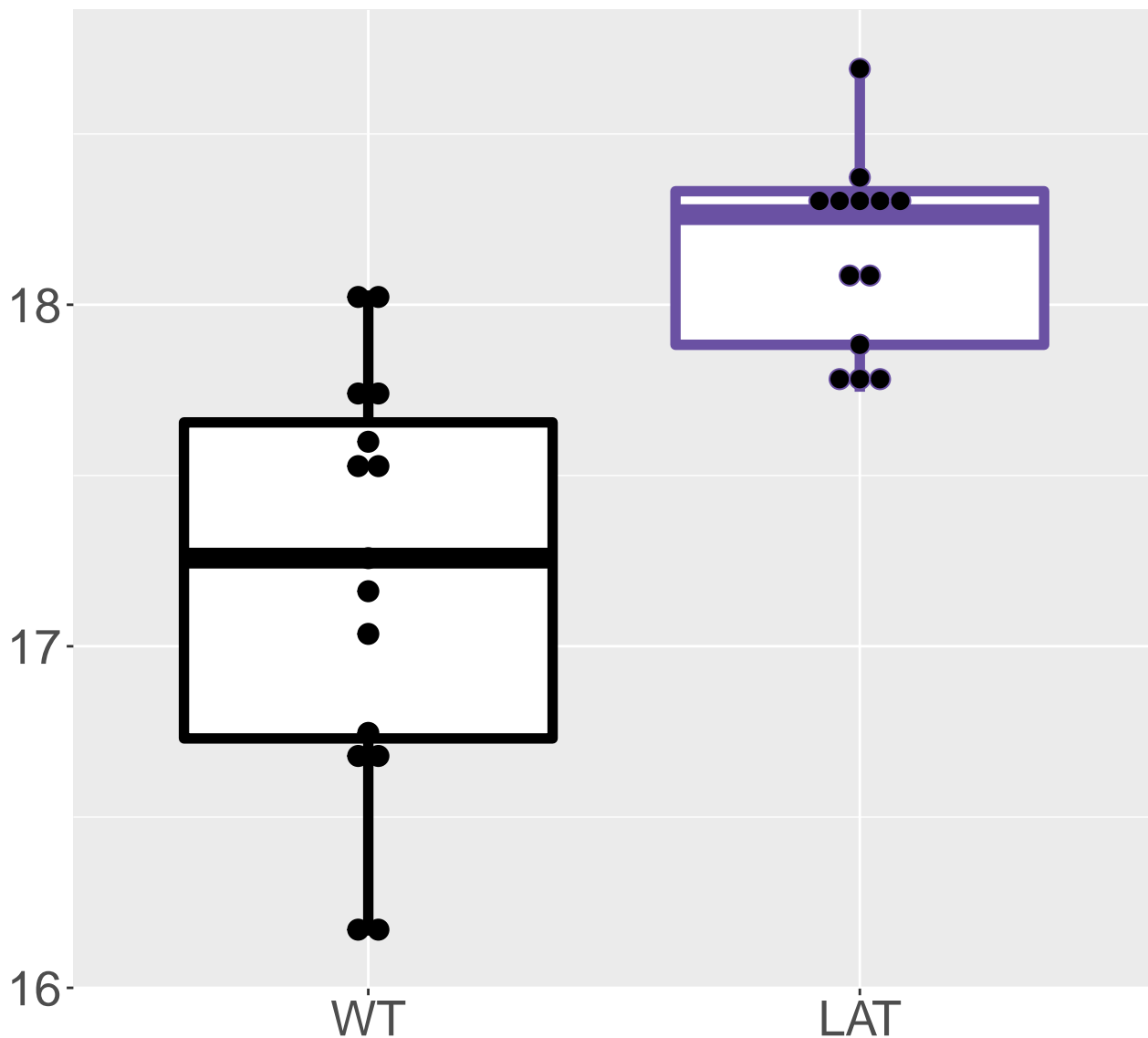
**FDR = 0.00035, FC = -0.81**





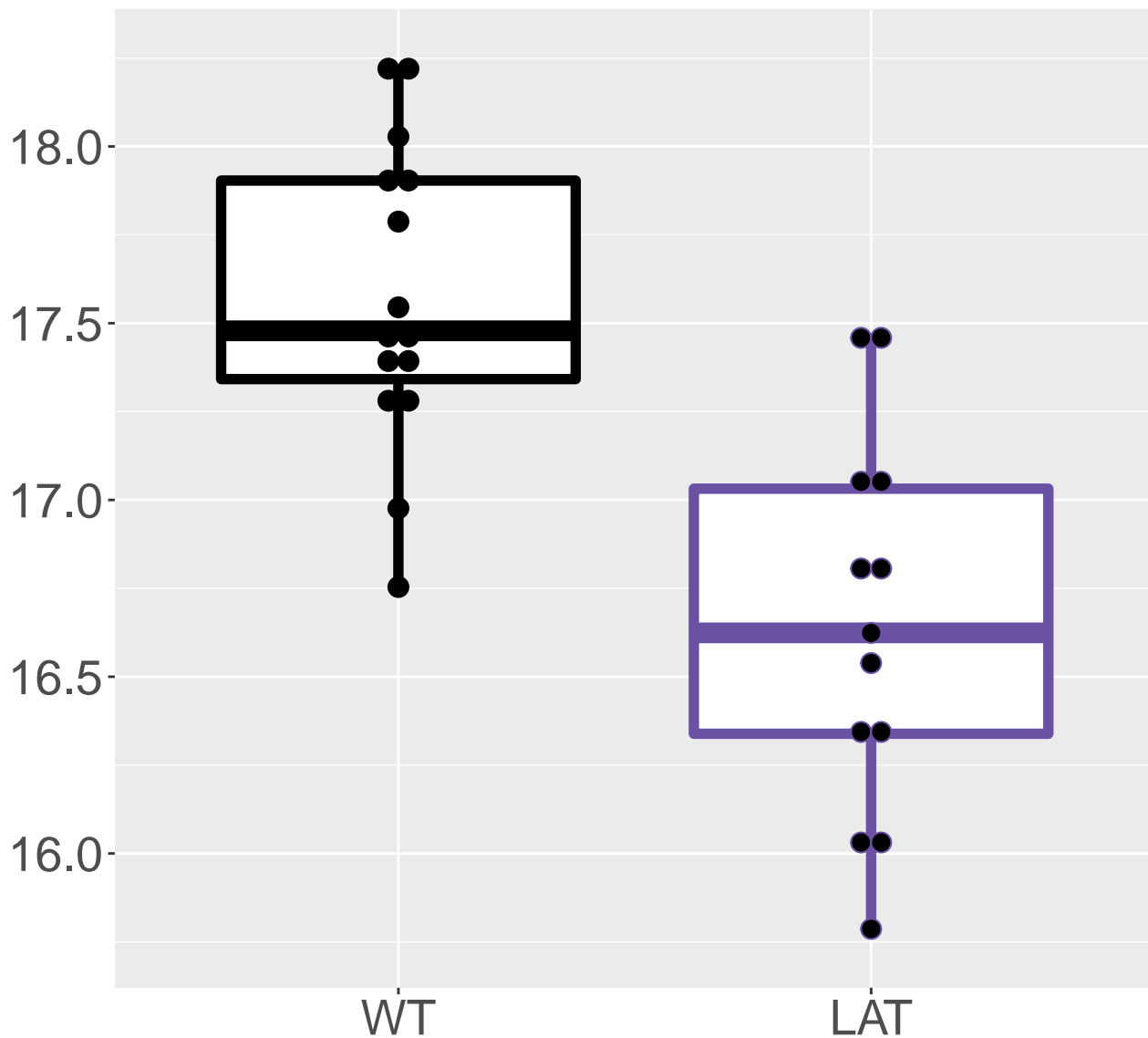
**M437.1354T66.7**

**FDR = 0.00036, FC = 0.95**



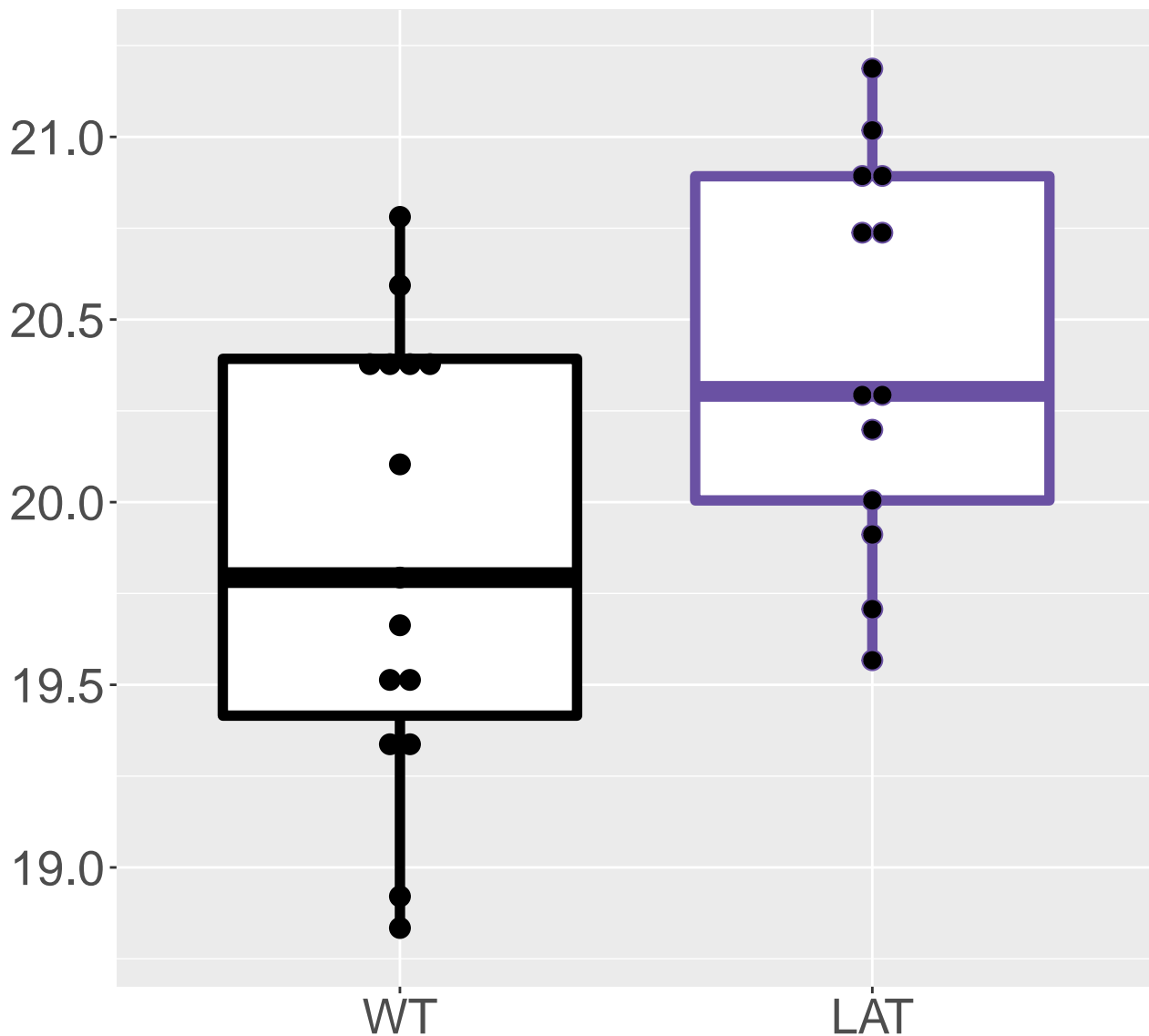
**M130.9681T75.45\_25**

**FDR = 0.00036, FC = -0.93**



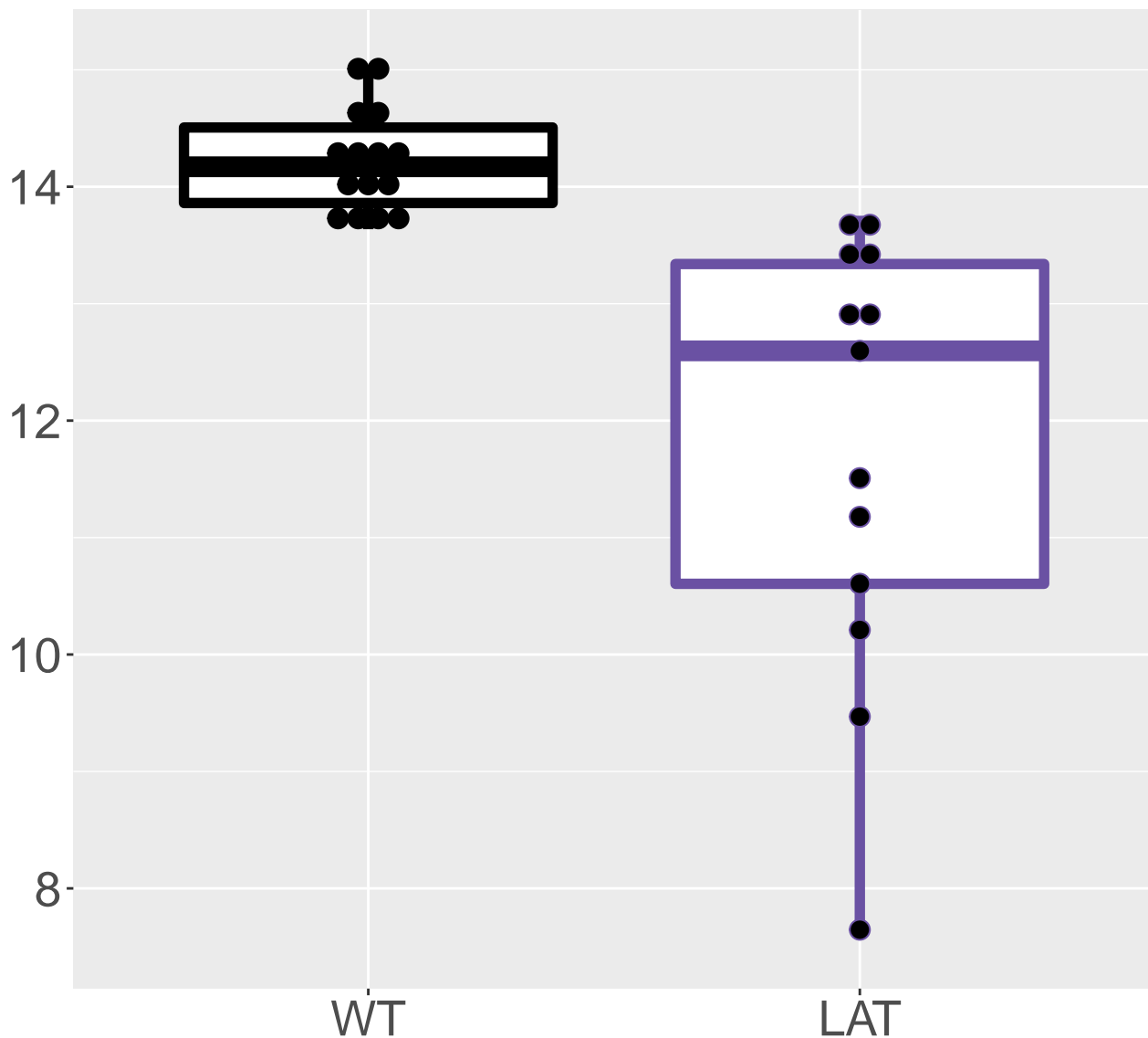
**M306.1562T61.87**

**FDR = 0.00036, FC = 0.56, sex\*\*\***



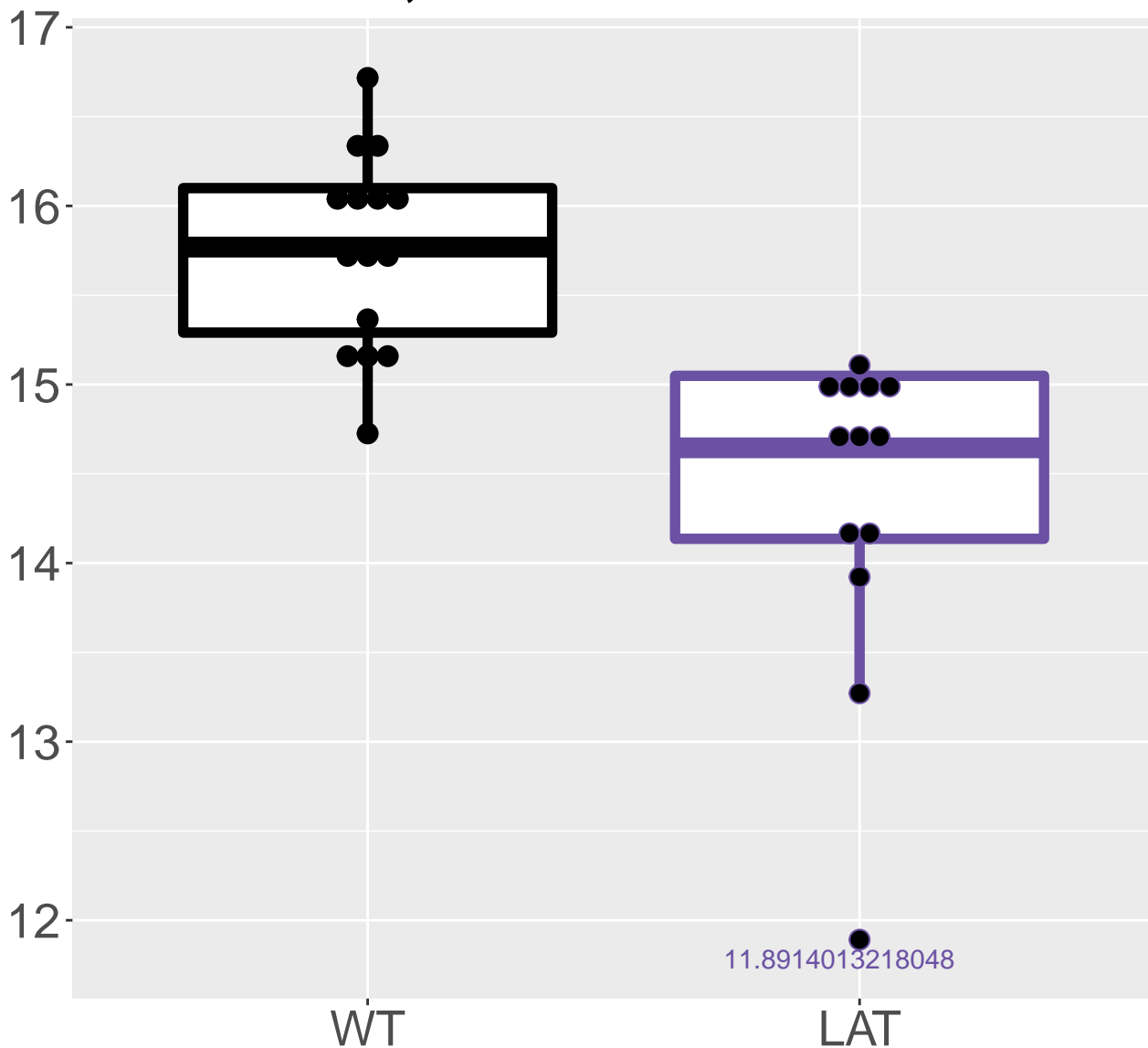
**M415.8267T313.85\_1**

**FDR = 0.00037, FC = -2.4**



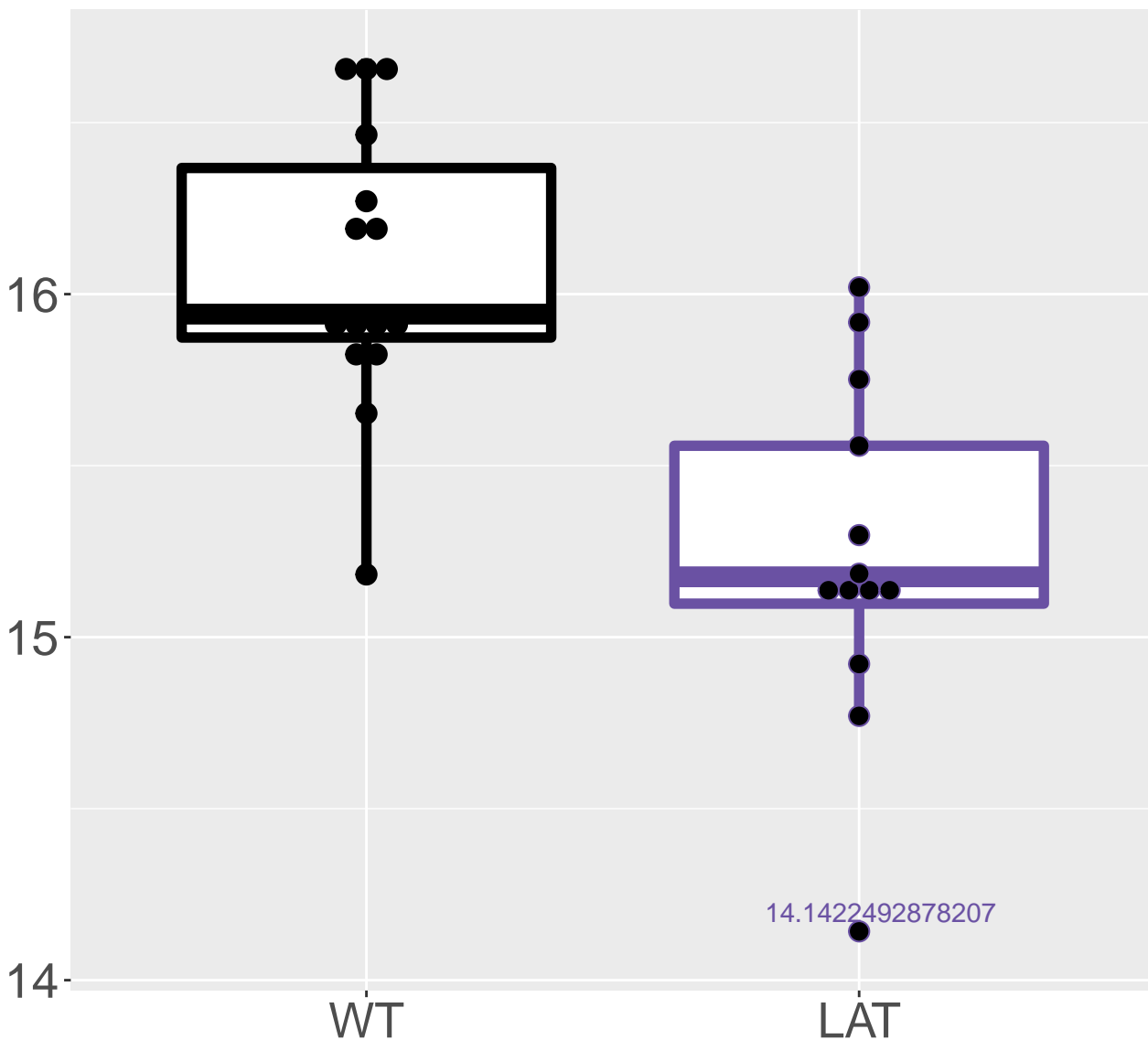
**M568.1136T301.71\_1**

**FDR = 0.00037, FC = -1.4**



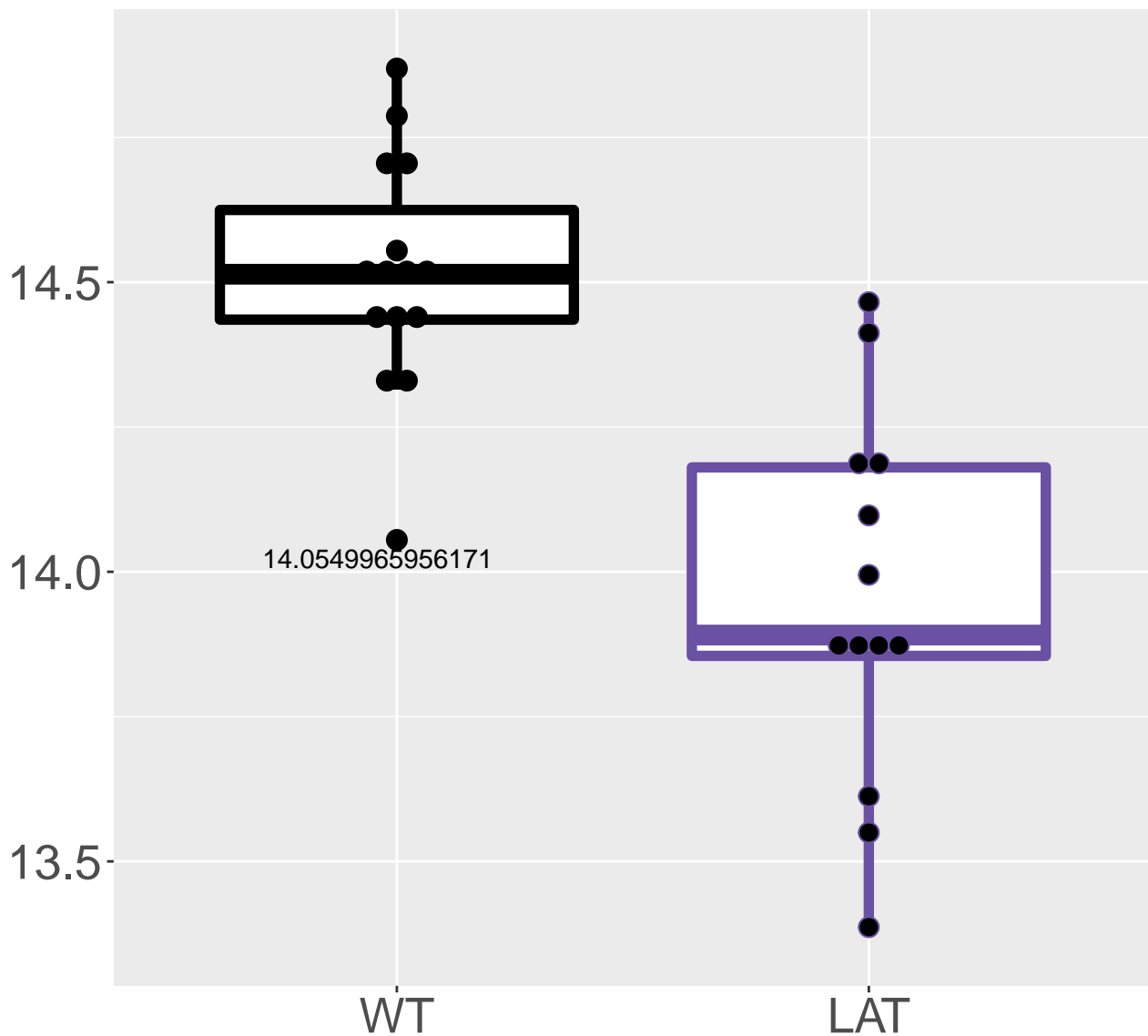
**M158.0364T141.85\_2**

**FDR = 0.00037, FC = -0.84**



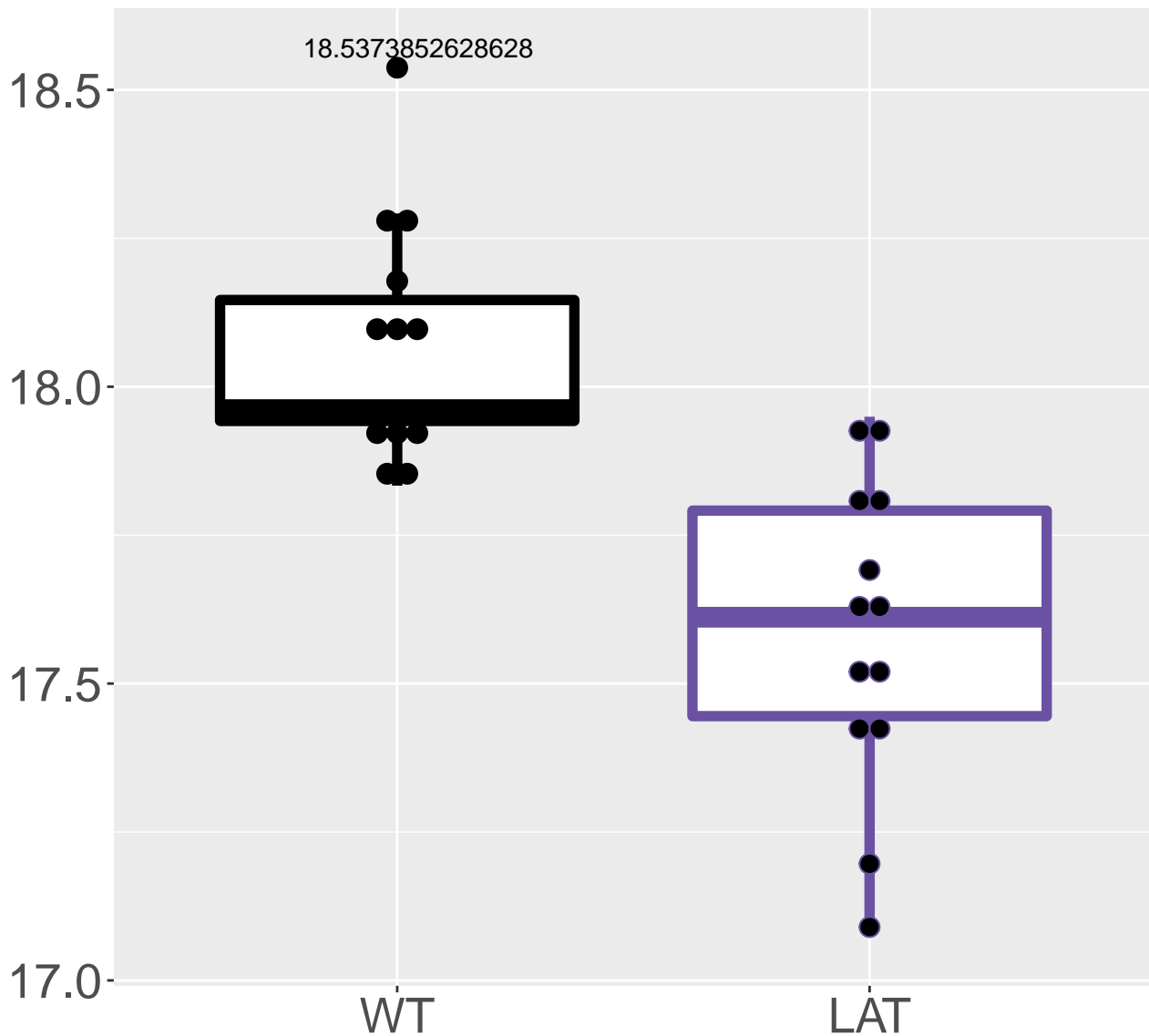
**M116.0906T41.7**

**FDR = 0.00037, FC = -0.56**



**M215.0887T41.89**

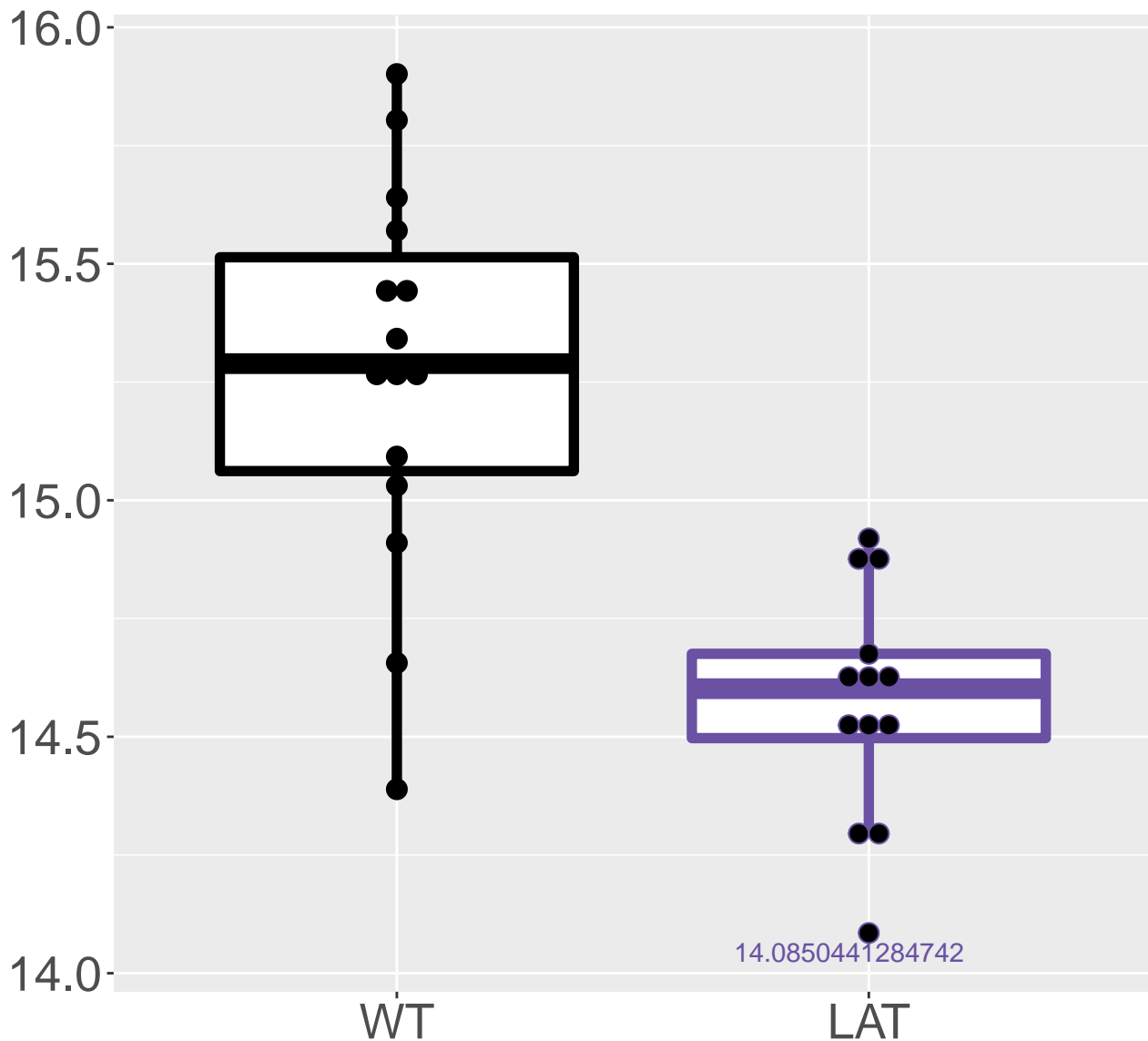
**FDR = 0.00037, FC = -0.48**





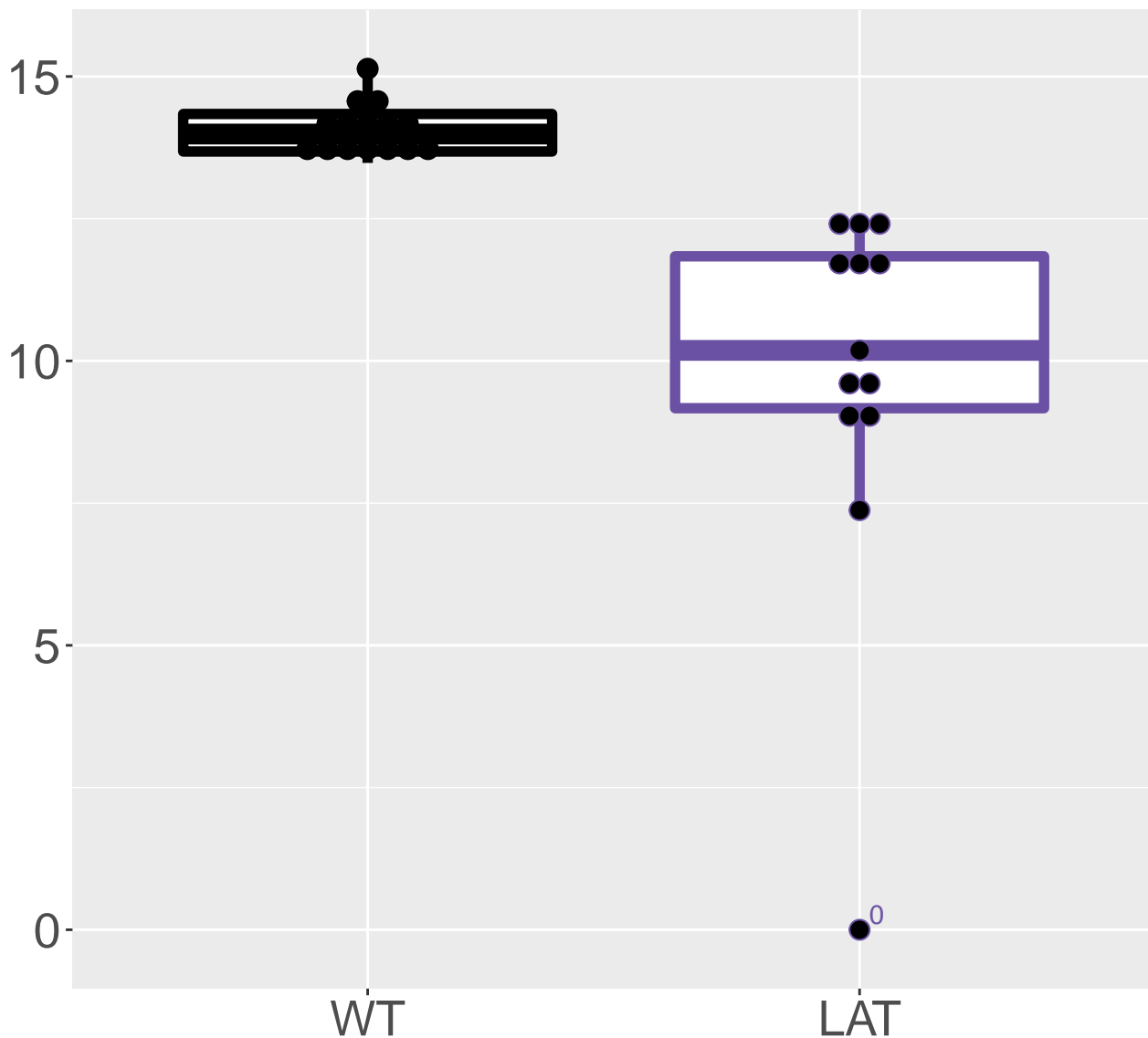
**M606.5772T296.63\_1**

**FDR = 0.00037, FC = -0.69**



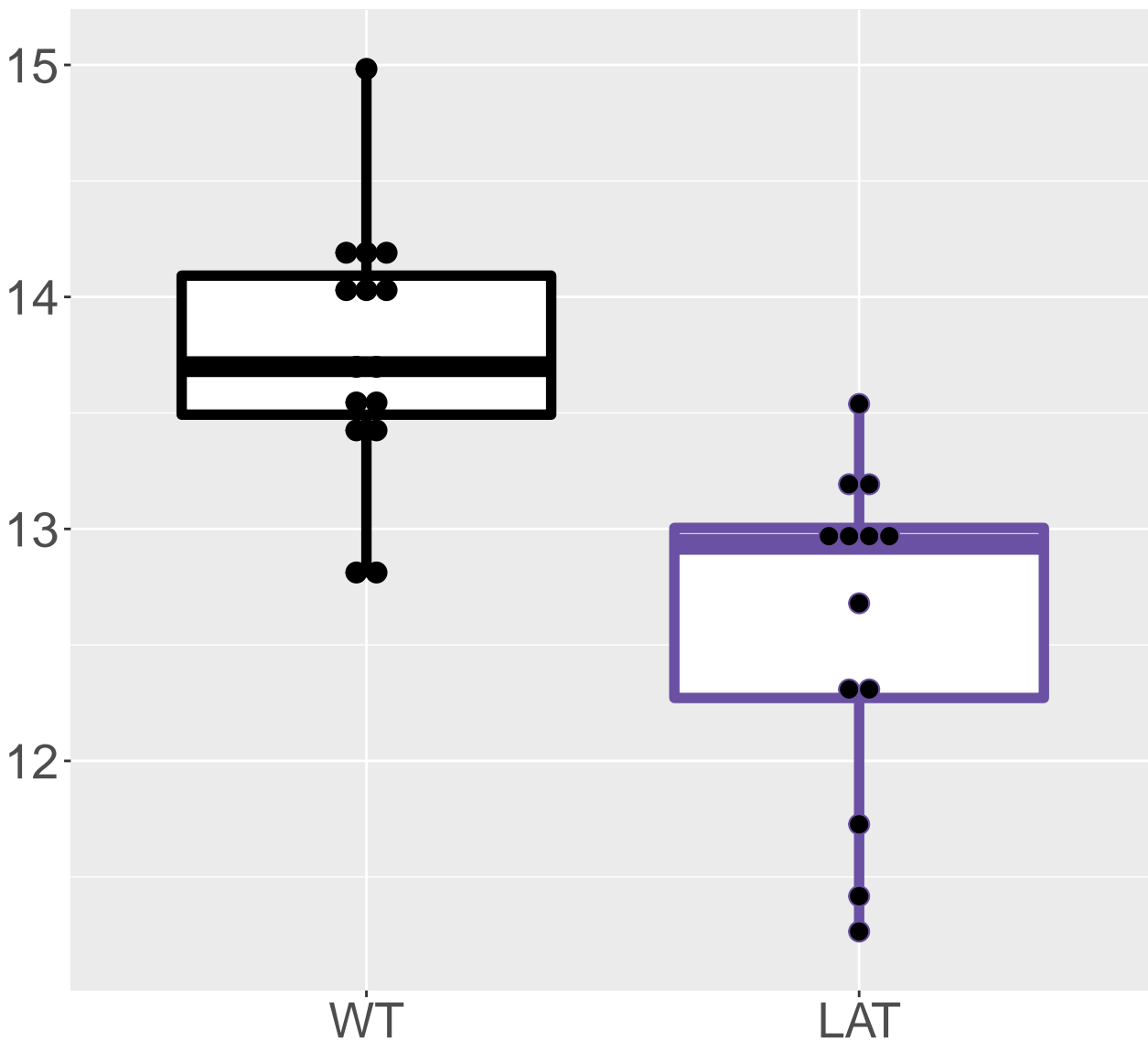
**M327.8619T96.19\_2**

**FDR = 0.00037, FC = -4.3**



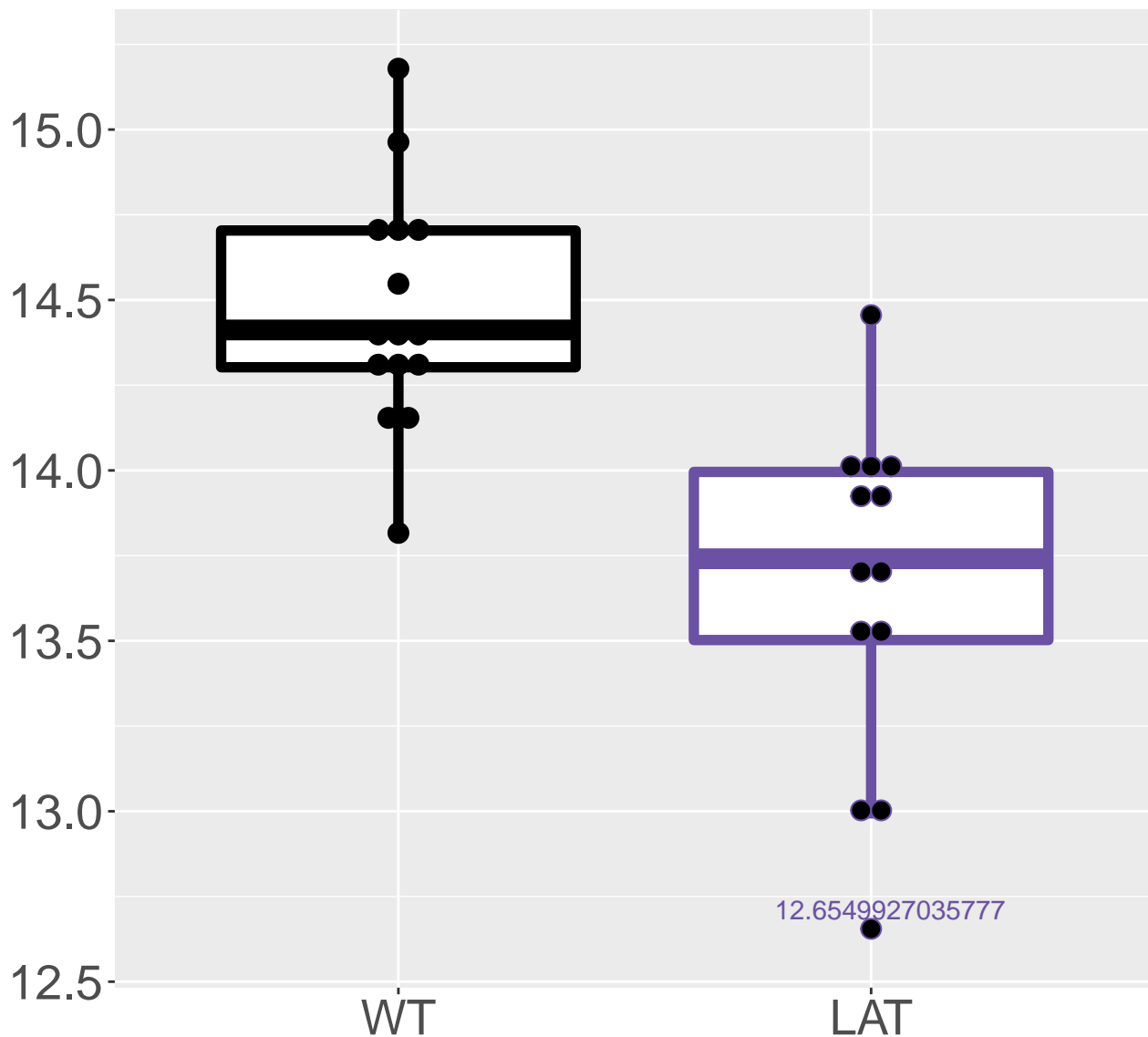
**M315.6782T197.22**

**FDR = 0.00038, FC = -1.2**



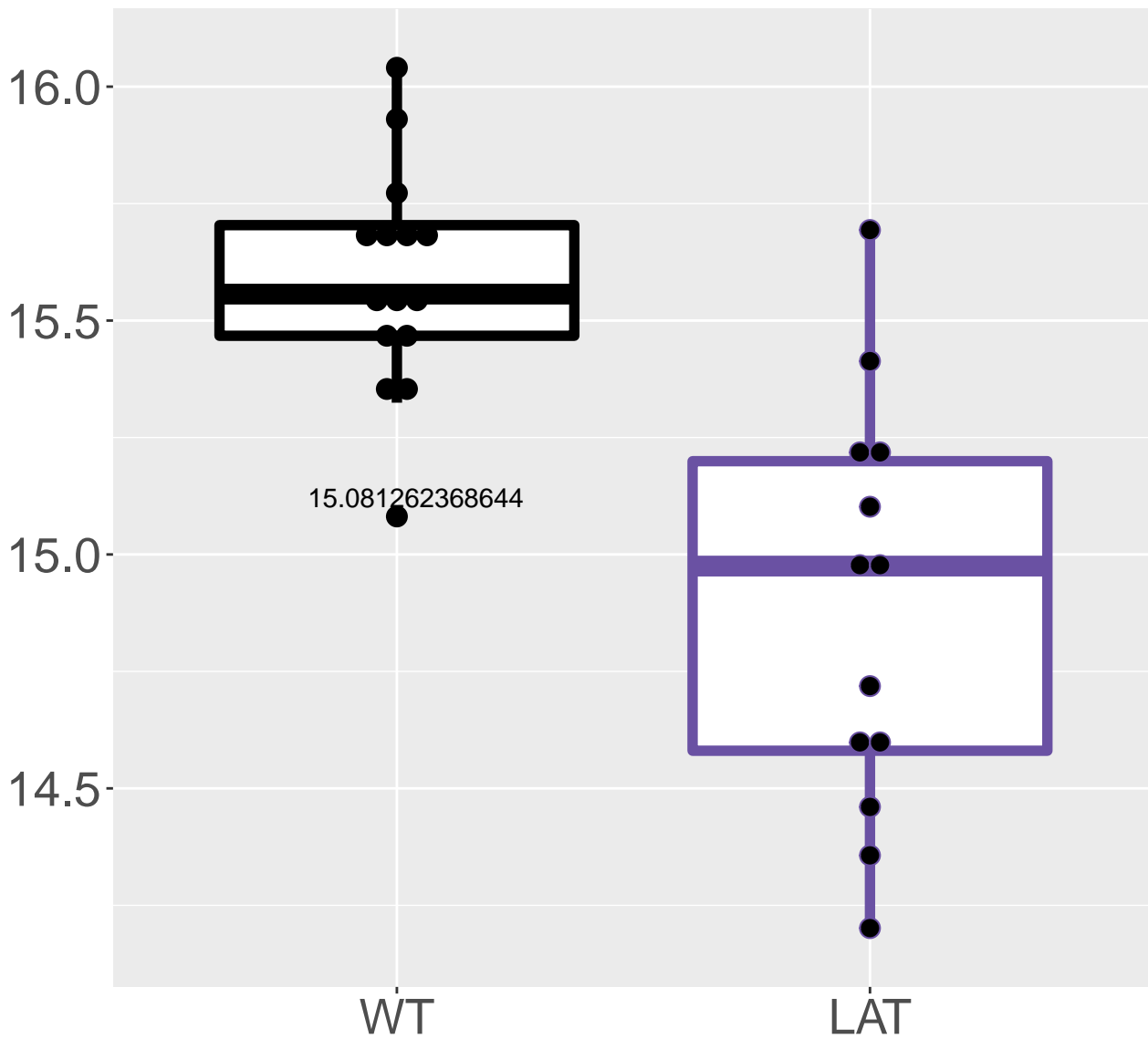
**M324.153T42.35**

**FDR = 0.00038, FC = -0.82**



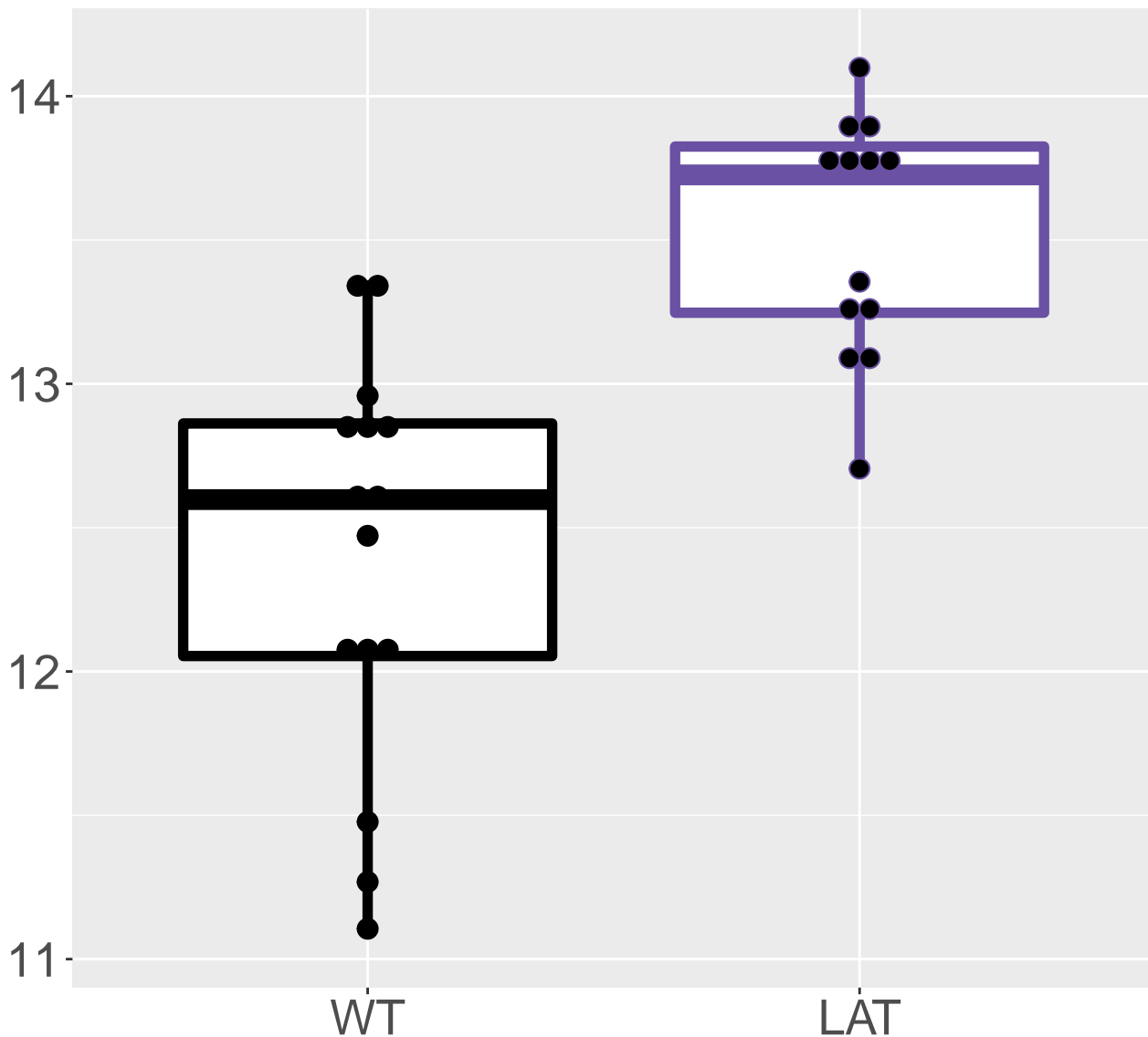
**M744.589T369.81\_1**

**FDR = 0.00038, FC = -0.7**



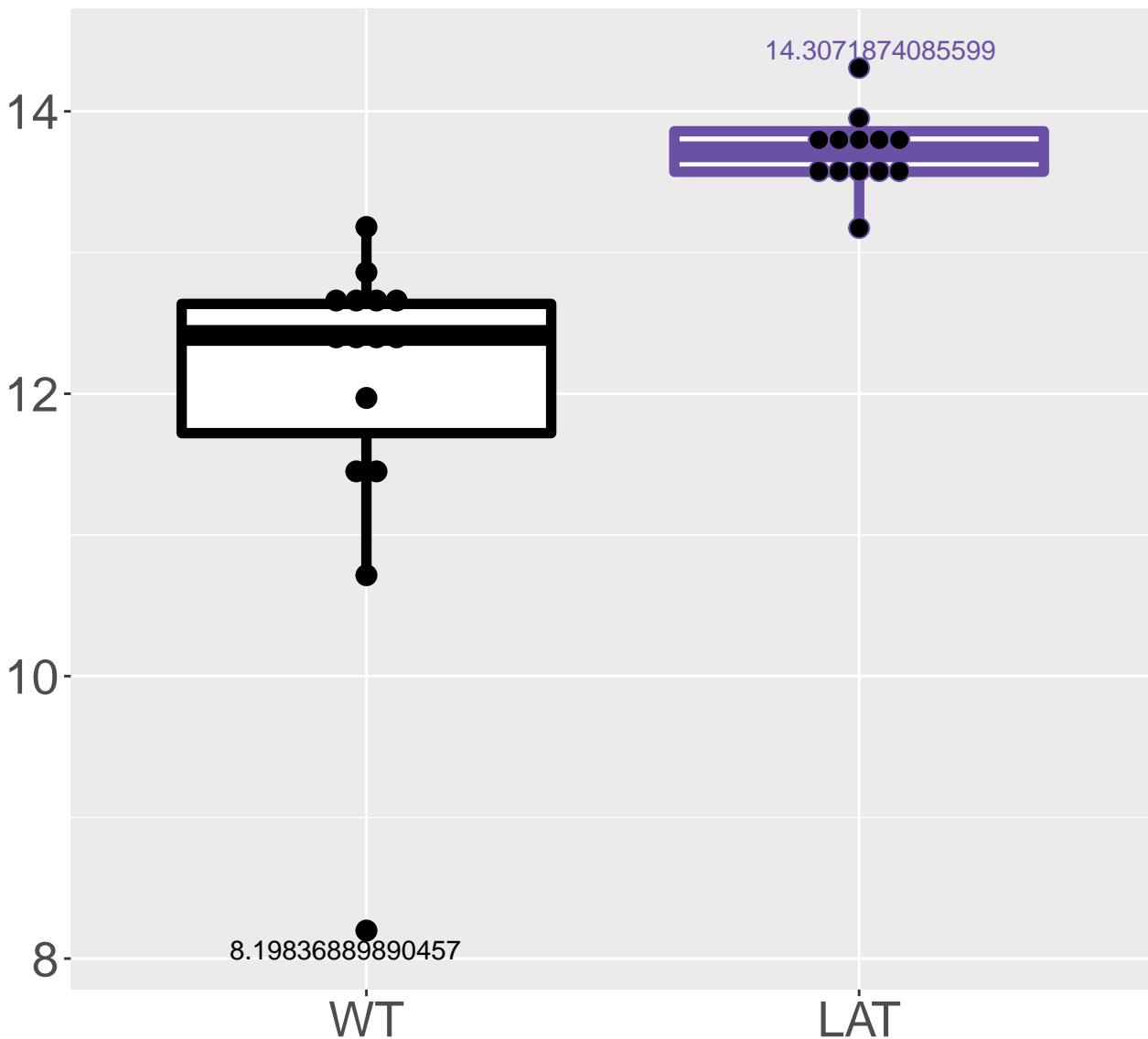
**M426.1712T375.98**

**FDR = 0.00039, FC = 1.1**



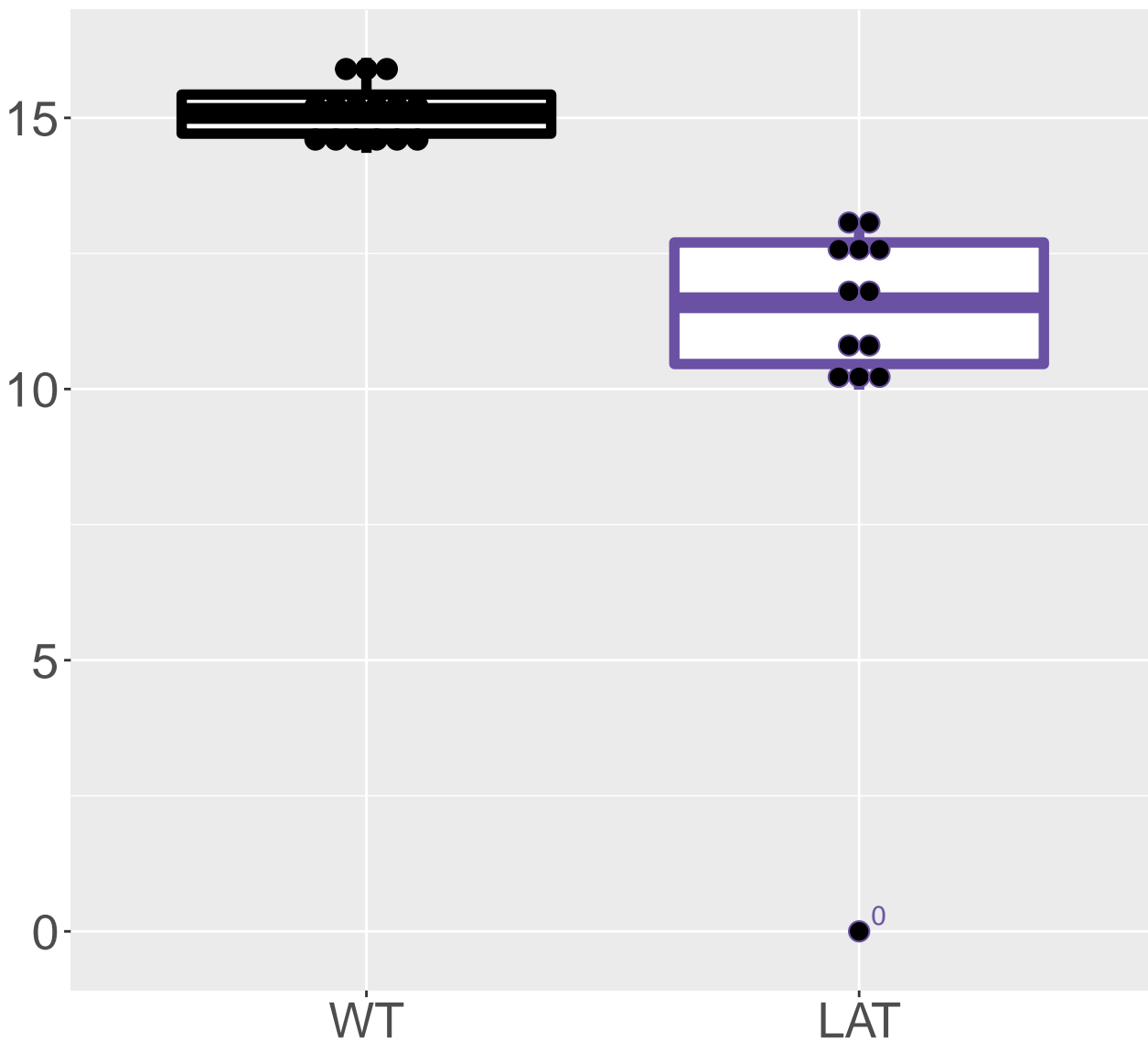
**M323.1422T94.64**

**FDR = 0.00039, FC = 1.7**



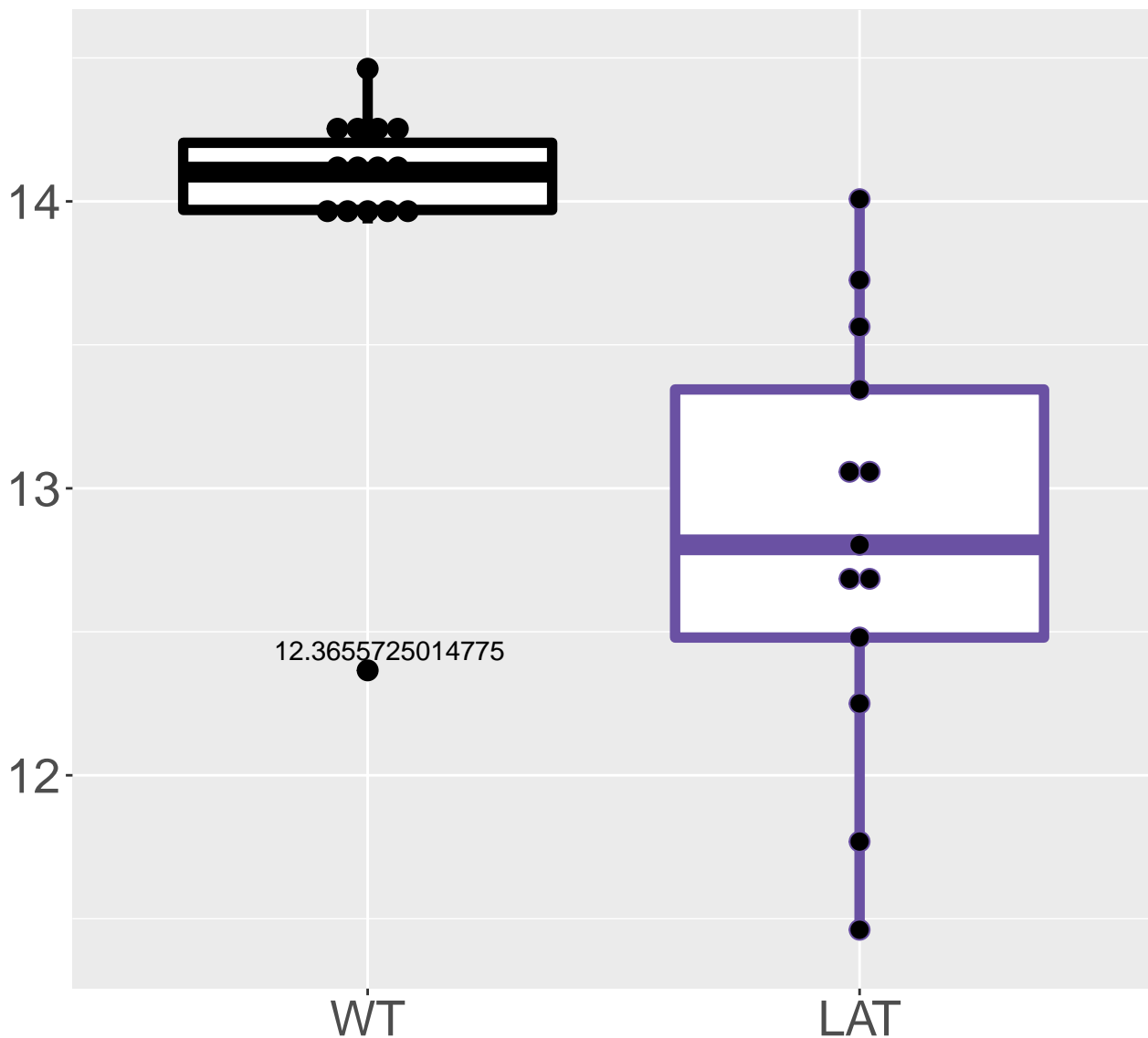
**M327.5277T96.39\_1**

**FDR = 0.00039, FC = -4.3**



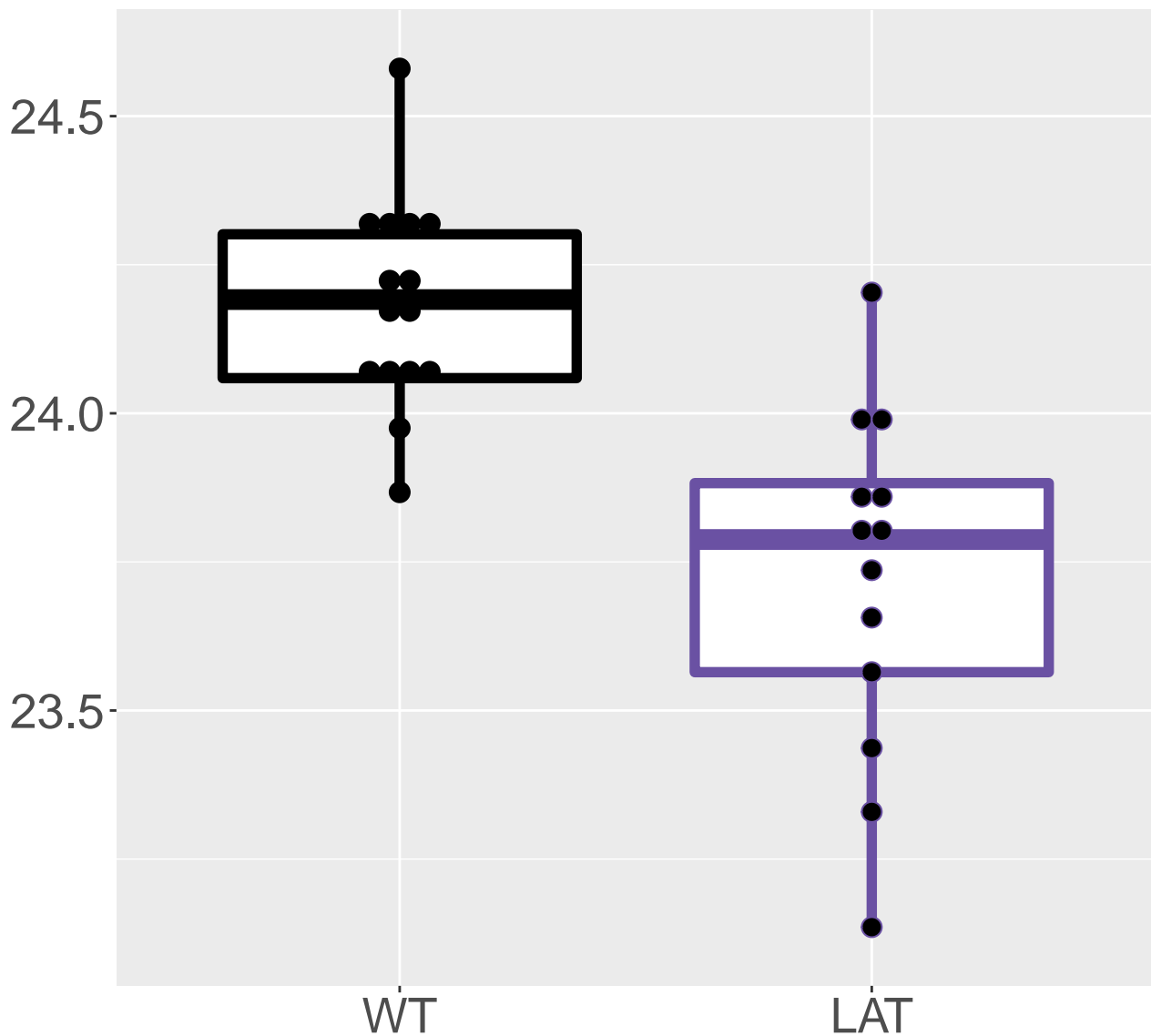


**M467.2561T295.29**  
**FDR = 4e-04, FC = -1.2**



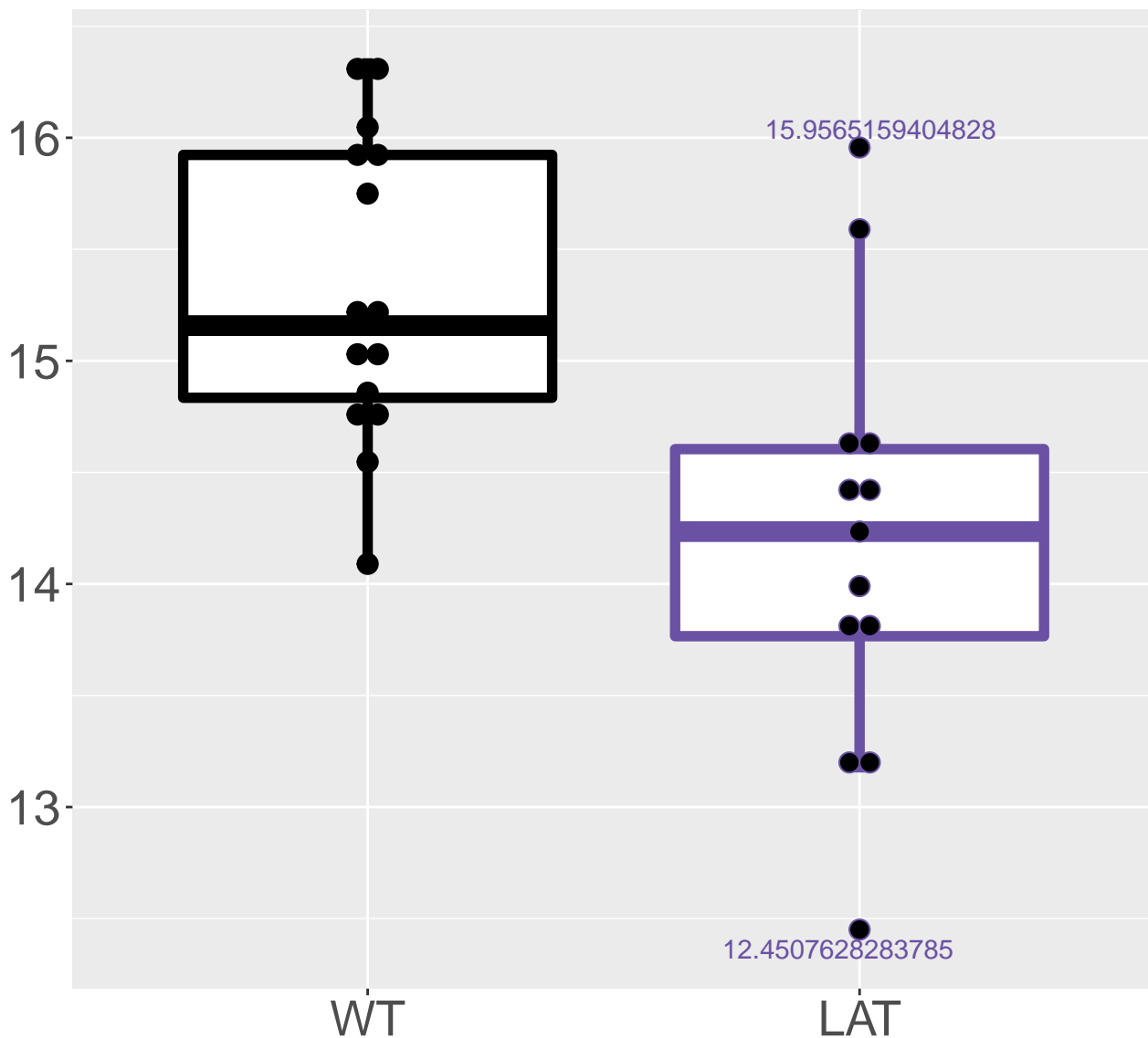
**L-Lysine;Lysine**

**FDR =  $4e-04$ , FC =  $-0.46$ , sex\***



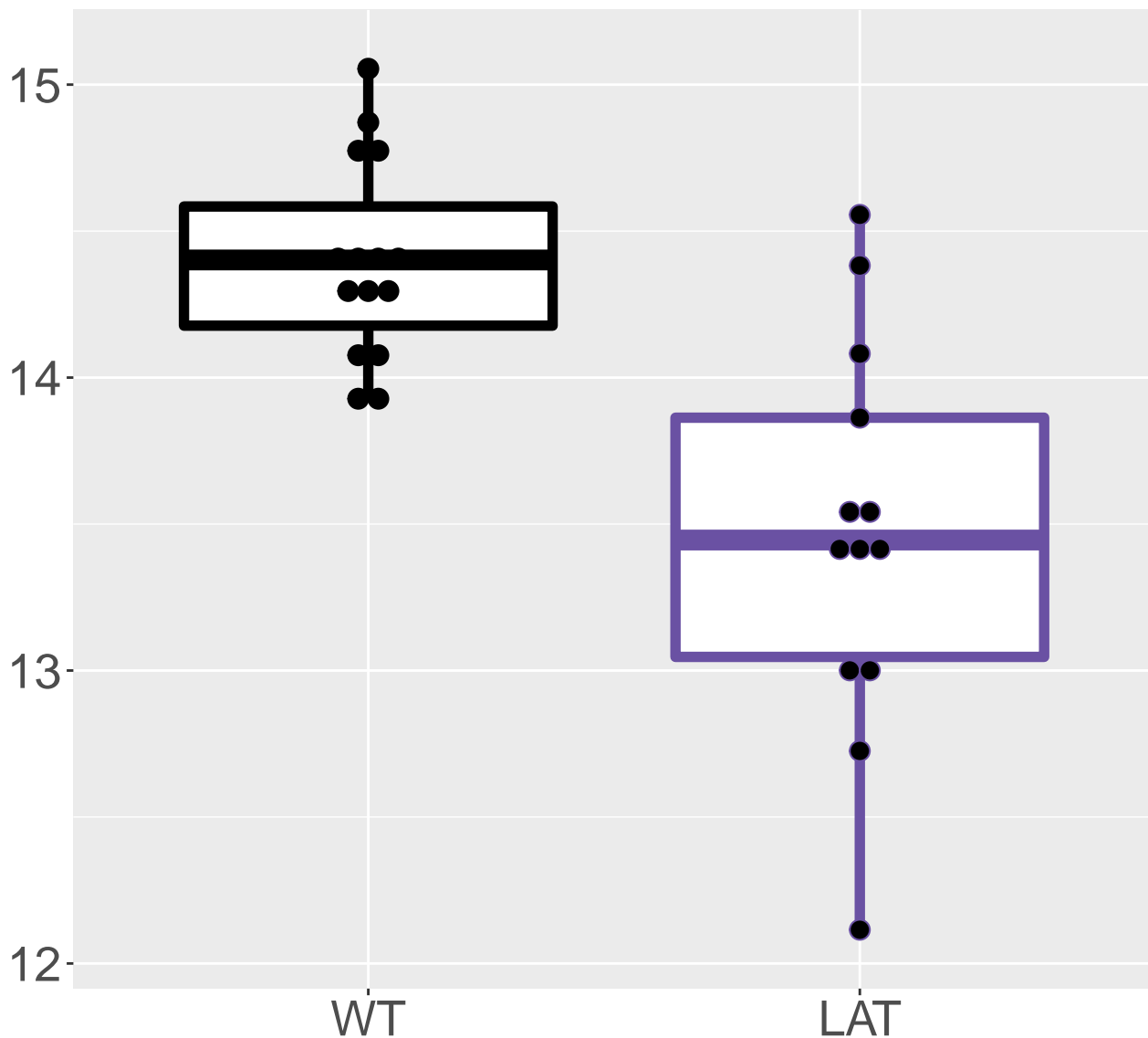
**M258.1829T255.9**

**FDR = 0.00041, FC = -1.1, sex\*\***



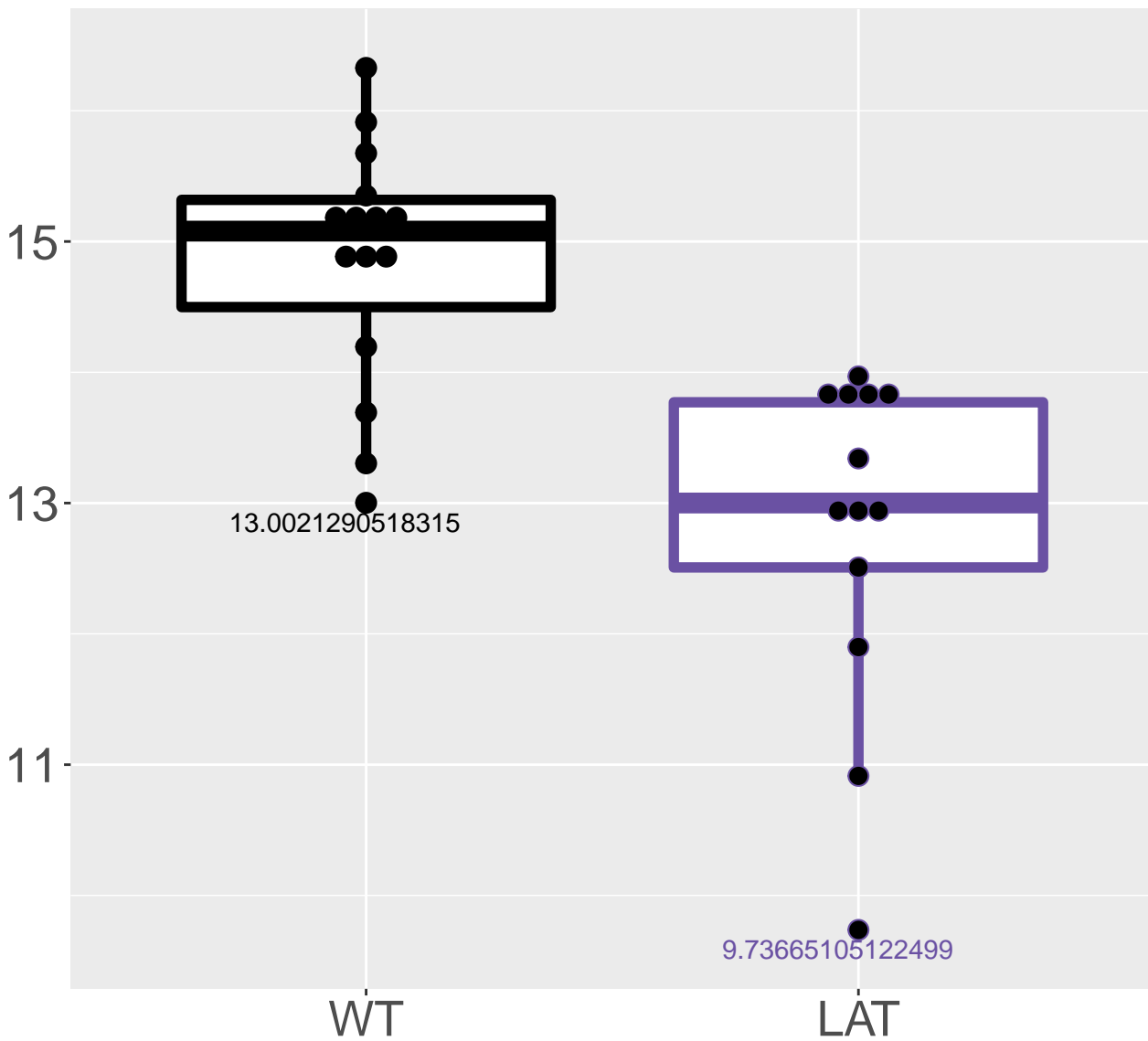
**M288.1649T255.9**

**FDR = 0.00041, FC = -0.93**



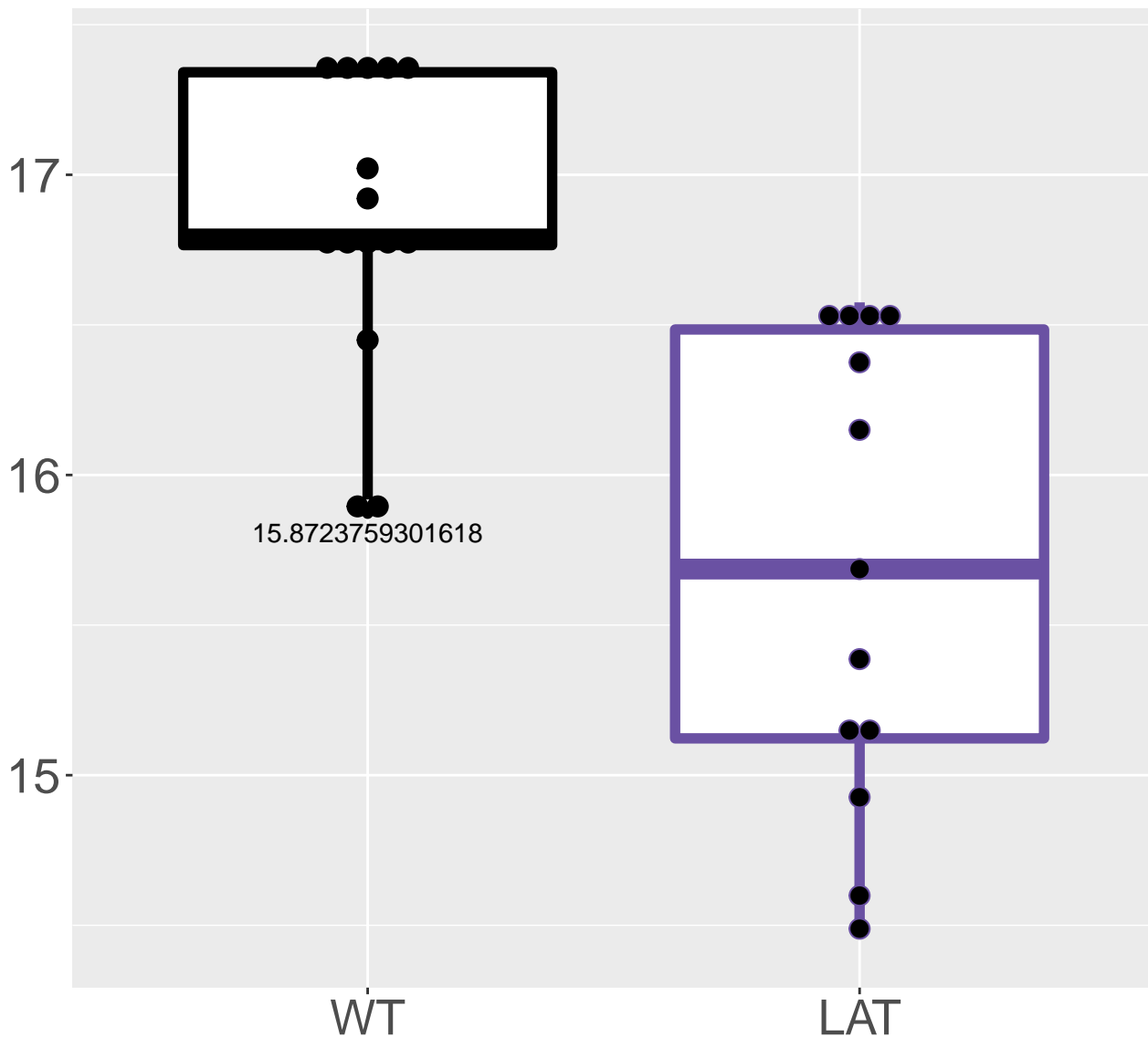
**M372.5584T253.65\_1**

**FDR = 0.00041, FC = -2**



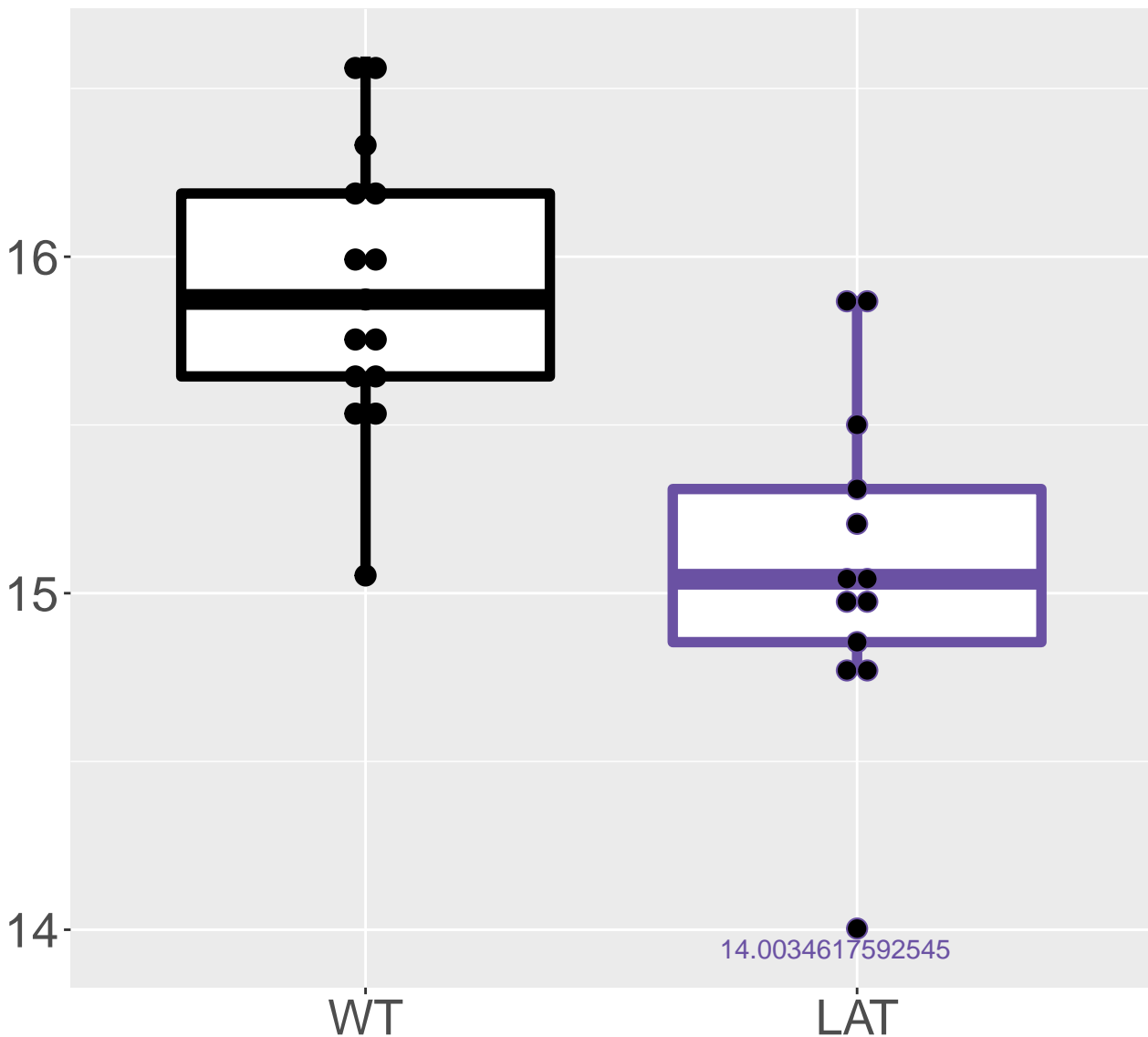
**M128.6376T75.41\_7**

**FDR = 0.00041, FC = -1.2**



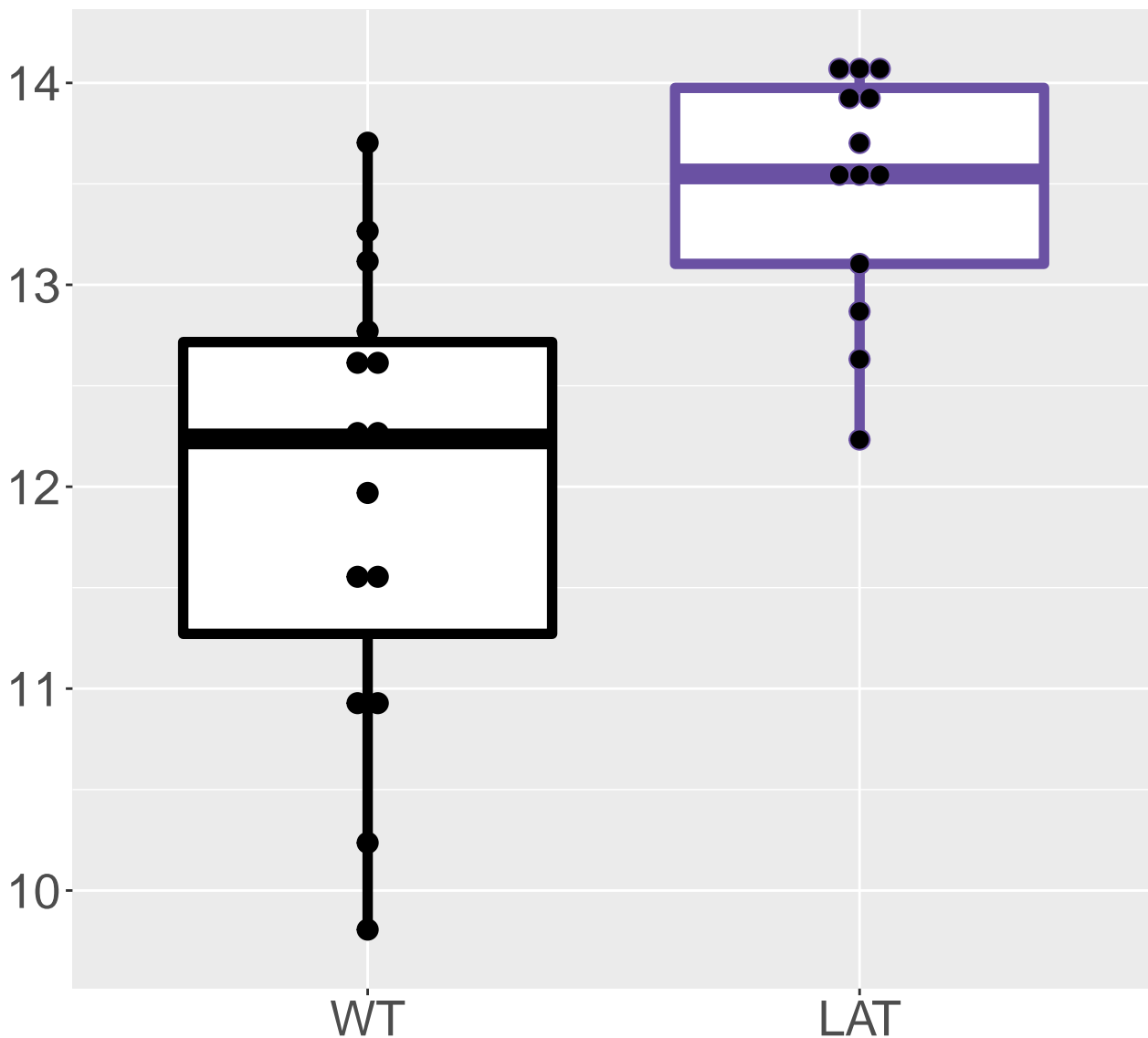
**M178.5498T141.91\_1**

**FDR = 0.00041, FC = -0.82**



**M841.4484T313.79**

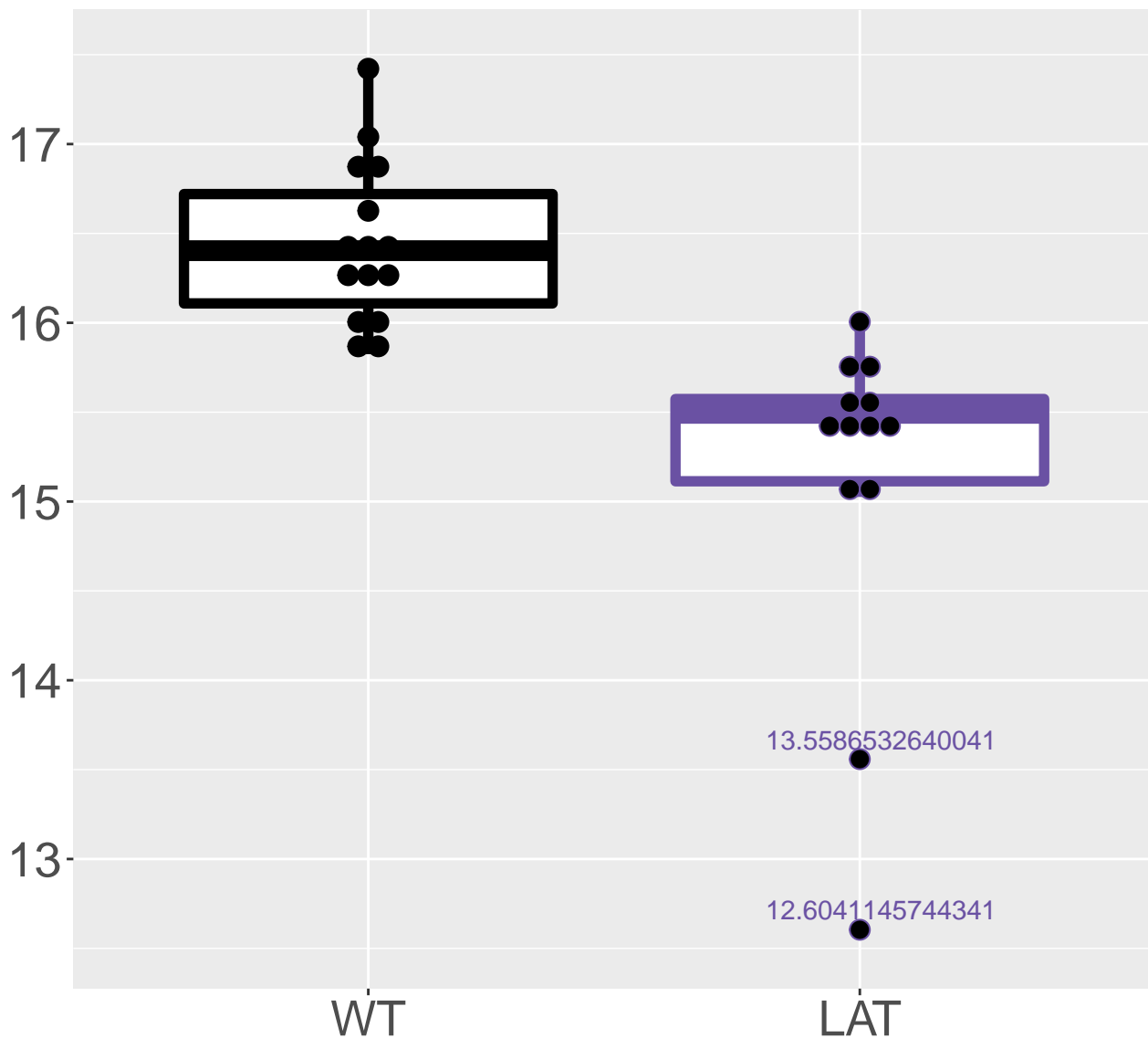
**FDR = 0.00042, FC = 1.5**





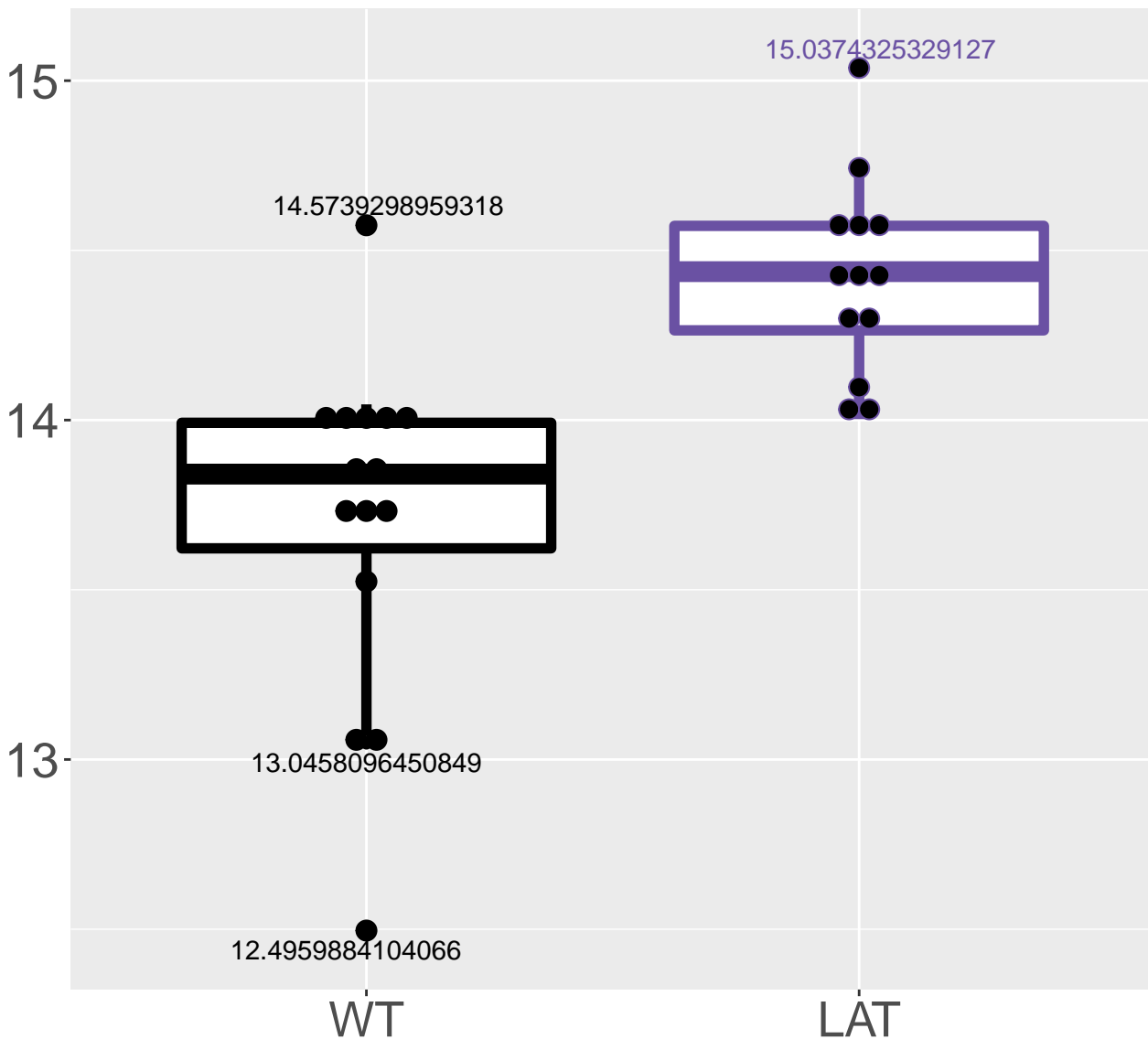
**M568.314T301.62\_2**

**FDR = 0.00042, FC = -1.3**



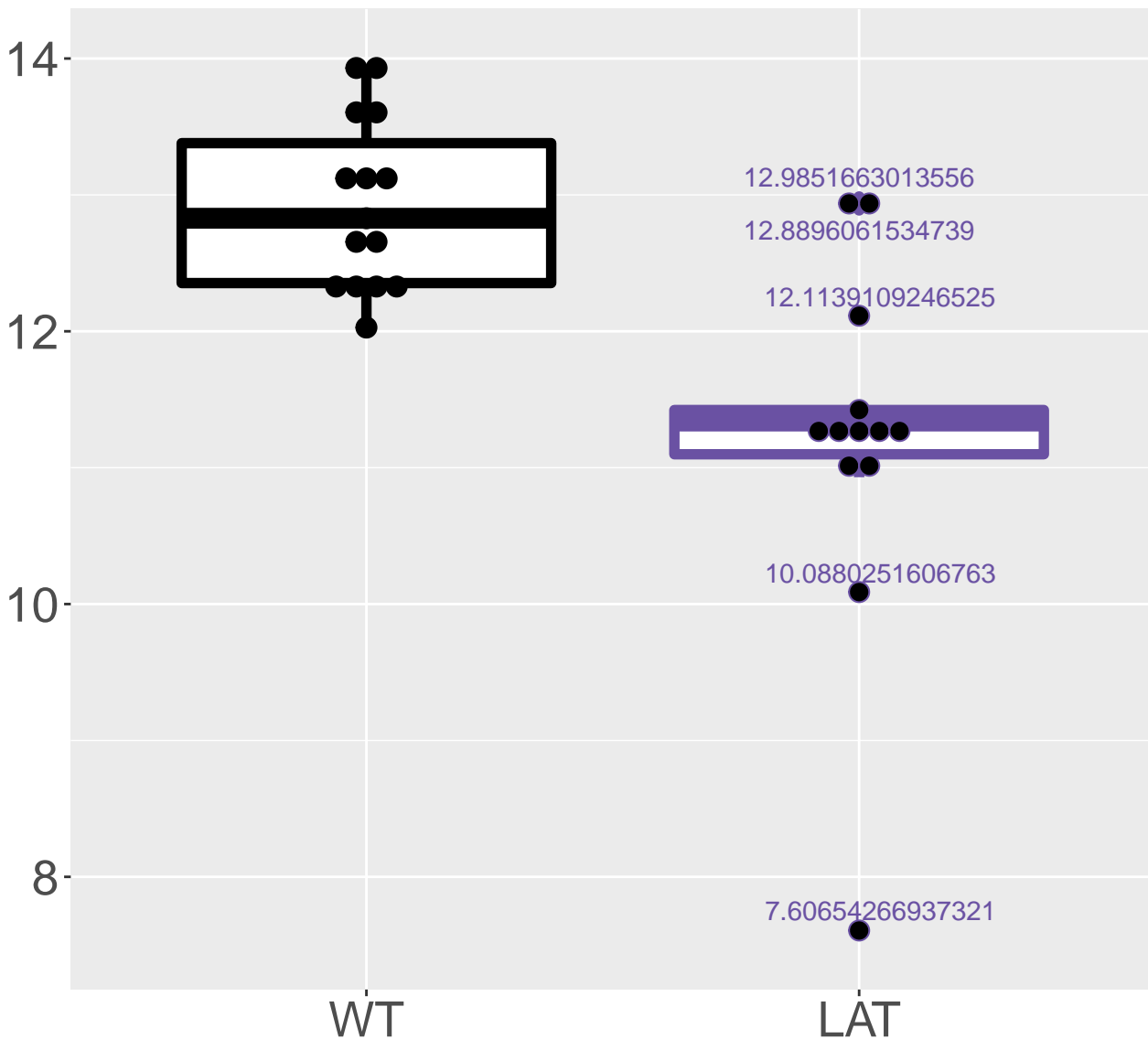
**M630.5306T284.64\_1**

**FDR = 0.00042, FC = 0.72**

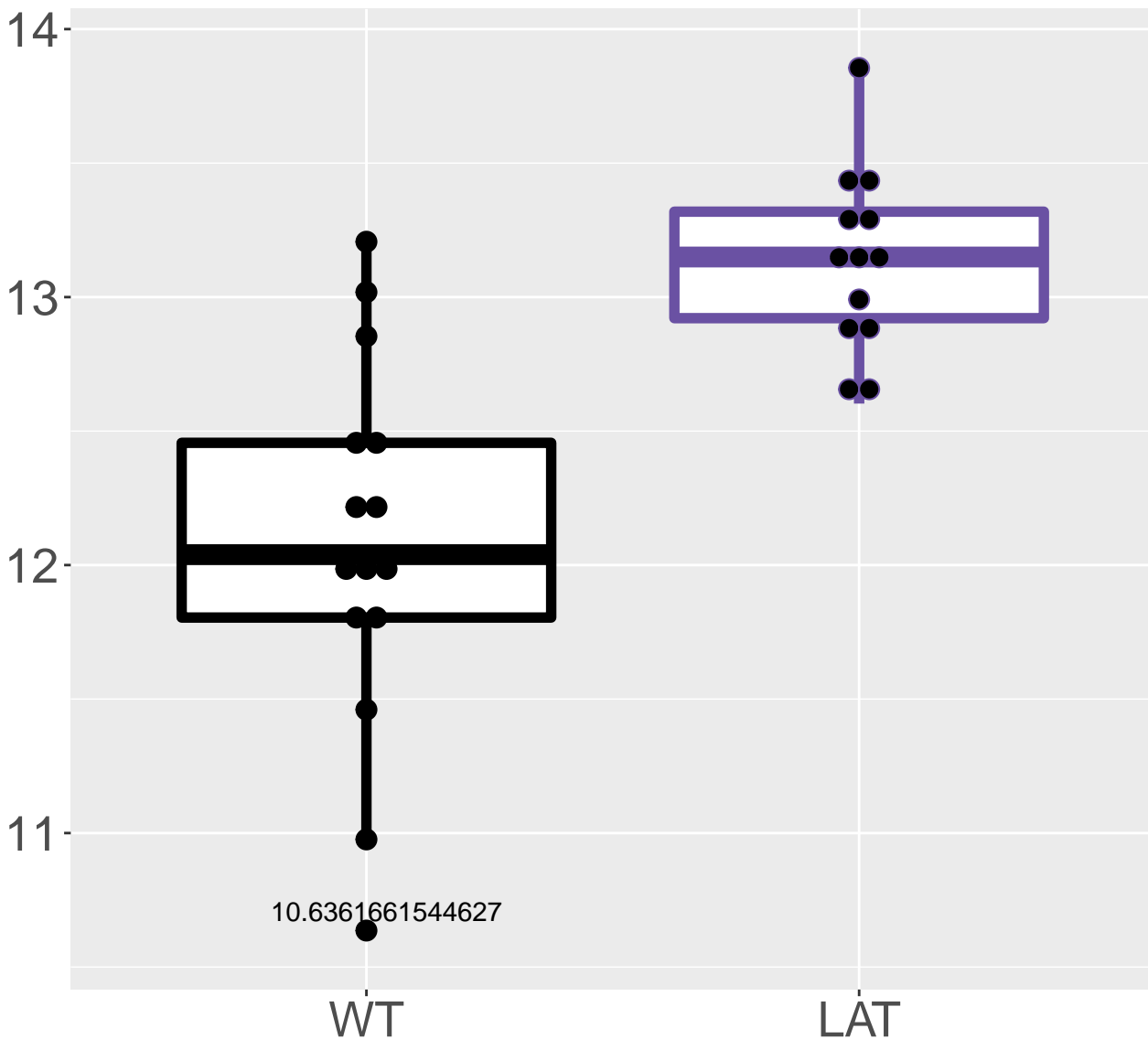


**M483.1478T141.7**

**FDR = 0.00044, FC = -1.7**

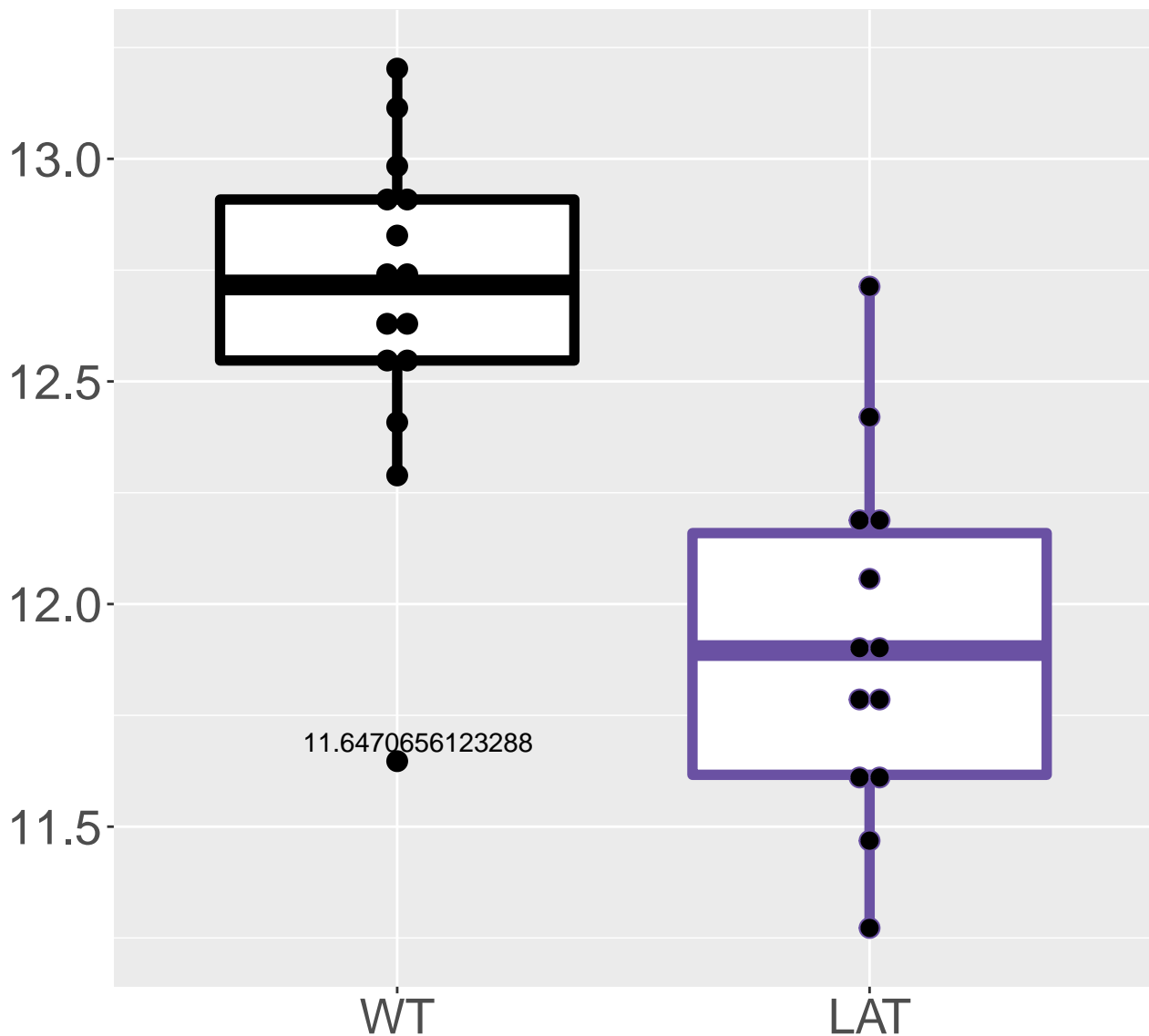


**FDR = 0.00044, FC = 1.1**



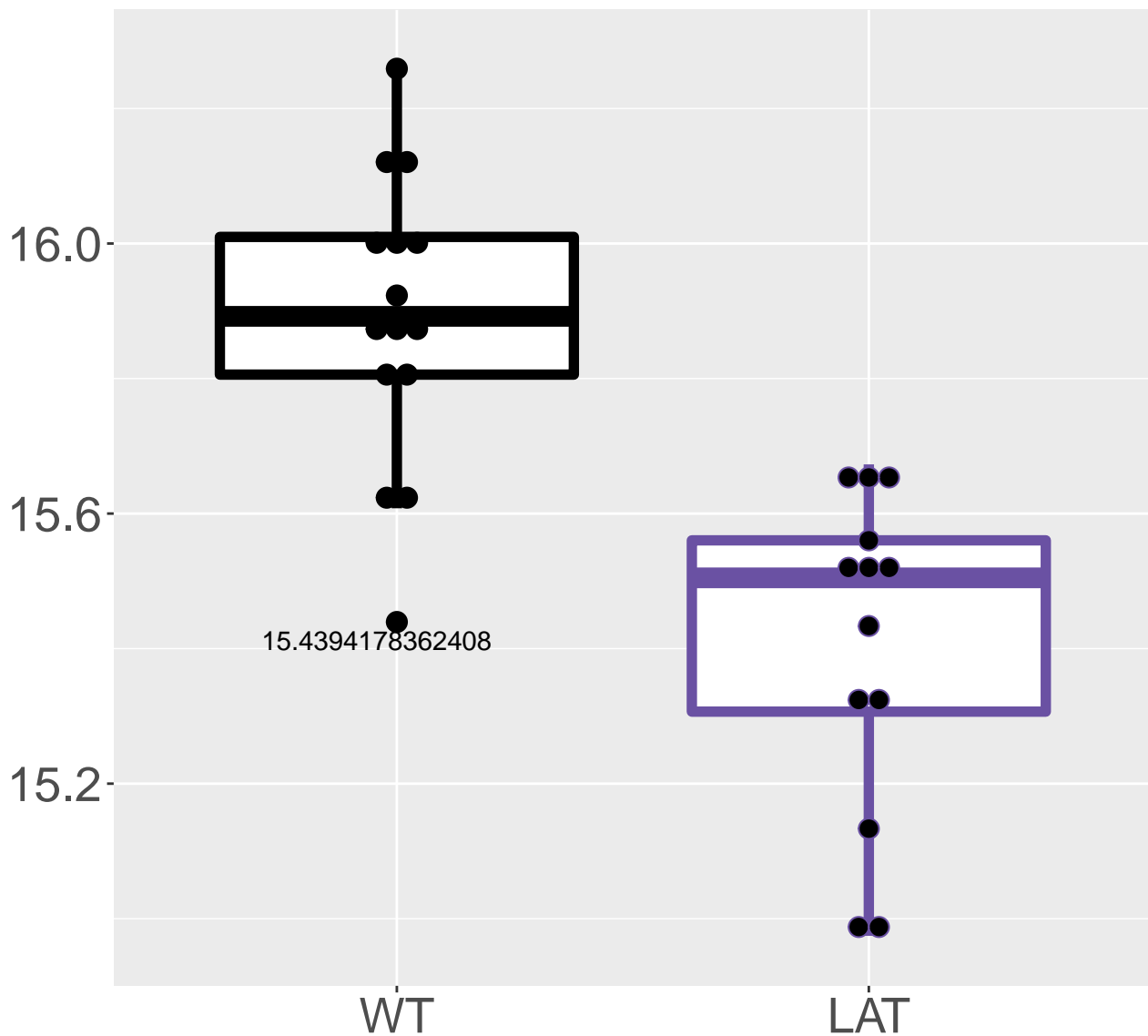
**M365.0786T141.95**

**FDR = 0.00044, FC = -0.76**



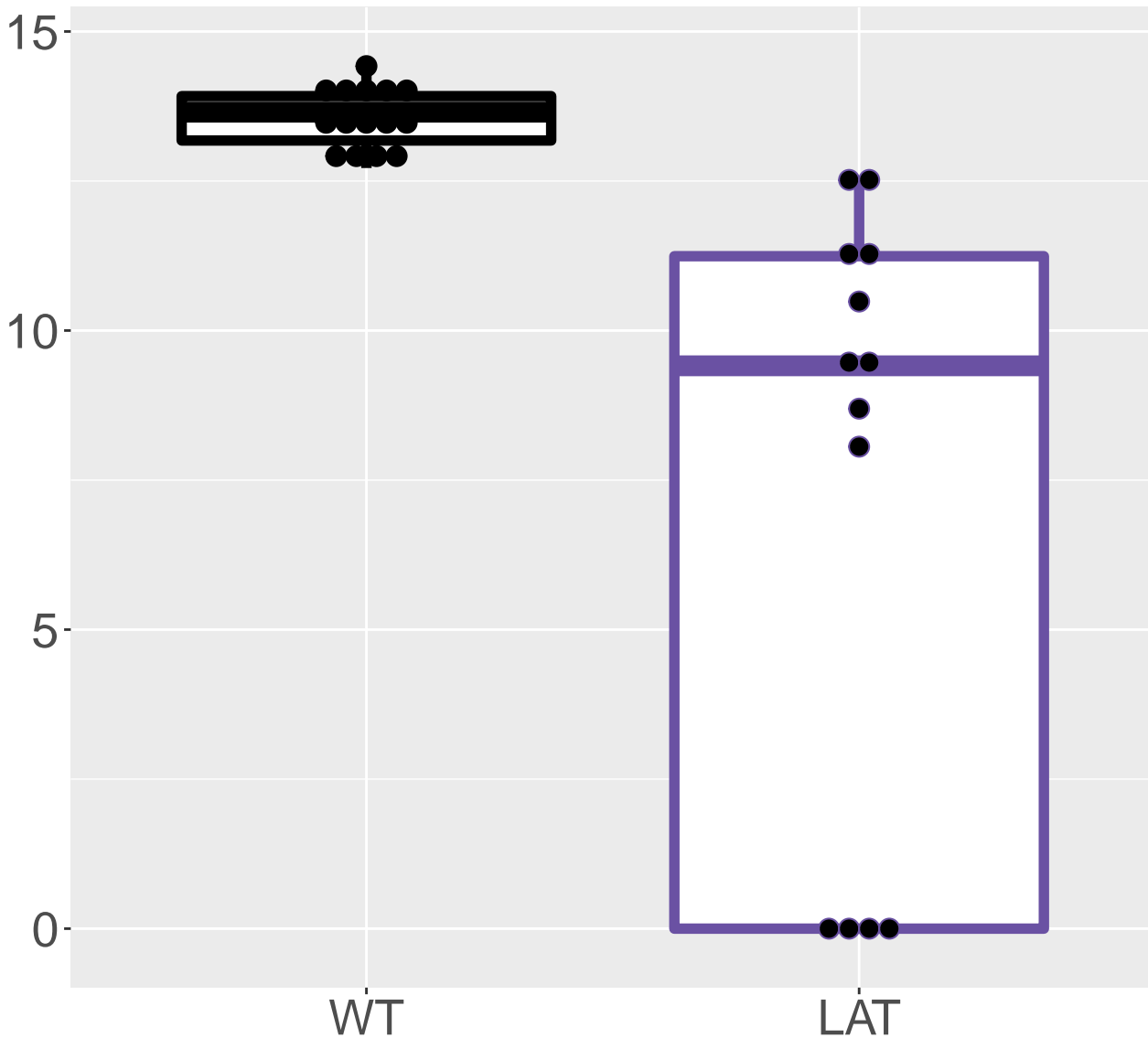
**M329.1652T113.22**

**FDR = 0.00044, FC = -0.48**

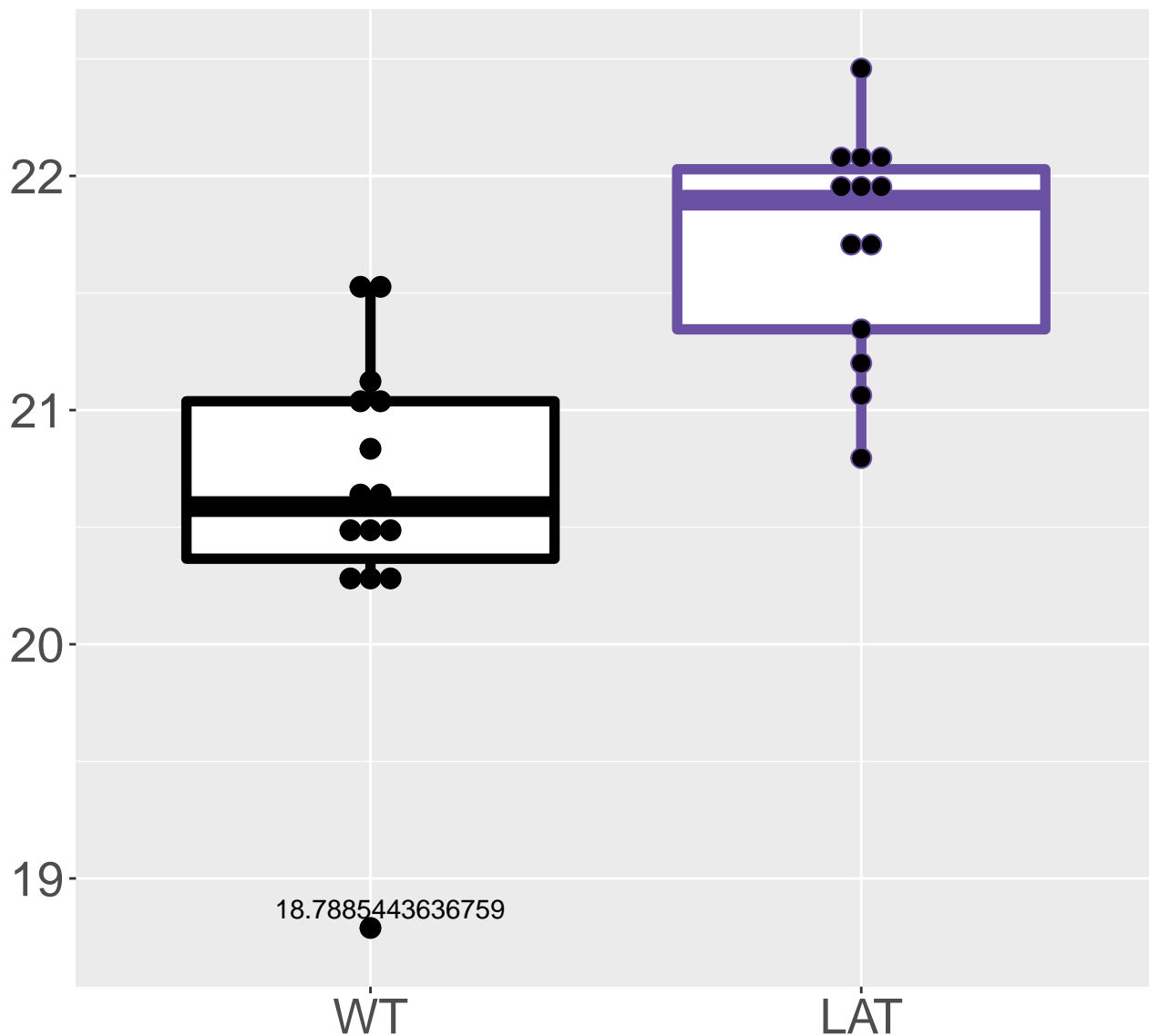


**M603.3551T270.88**

**FDR = 0.00047, FC = -6.4**

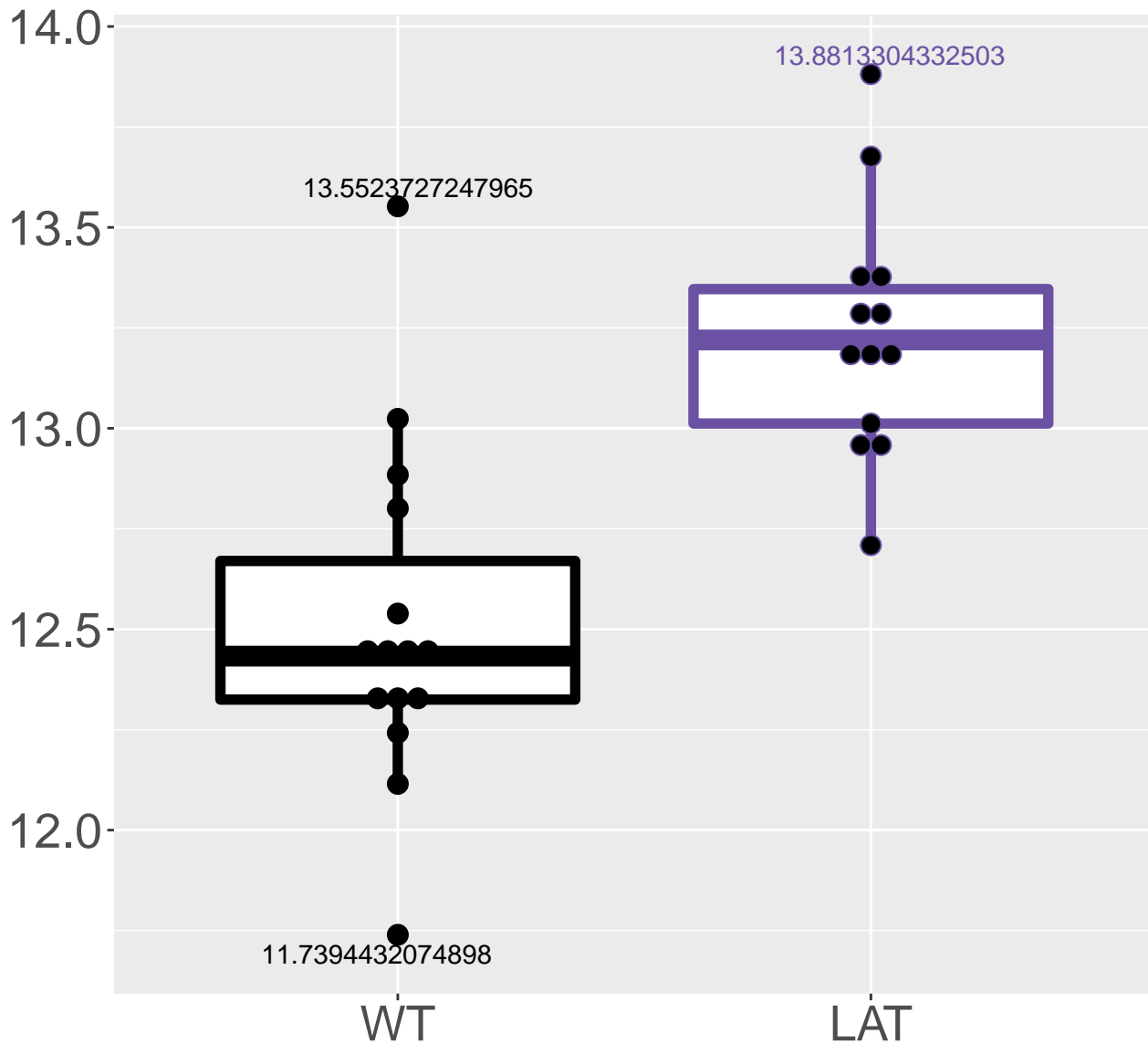


**S-Adenosyl-L-homocysteine;S-Adenosylhom**  
**FDR = 0.00047, FC = 1.1**



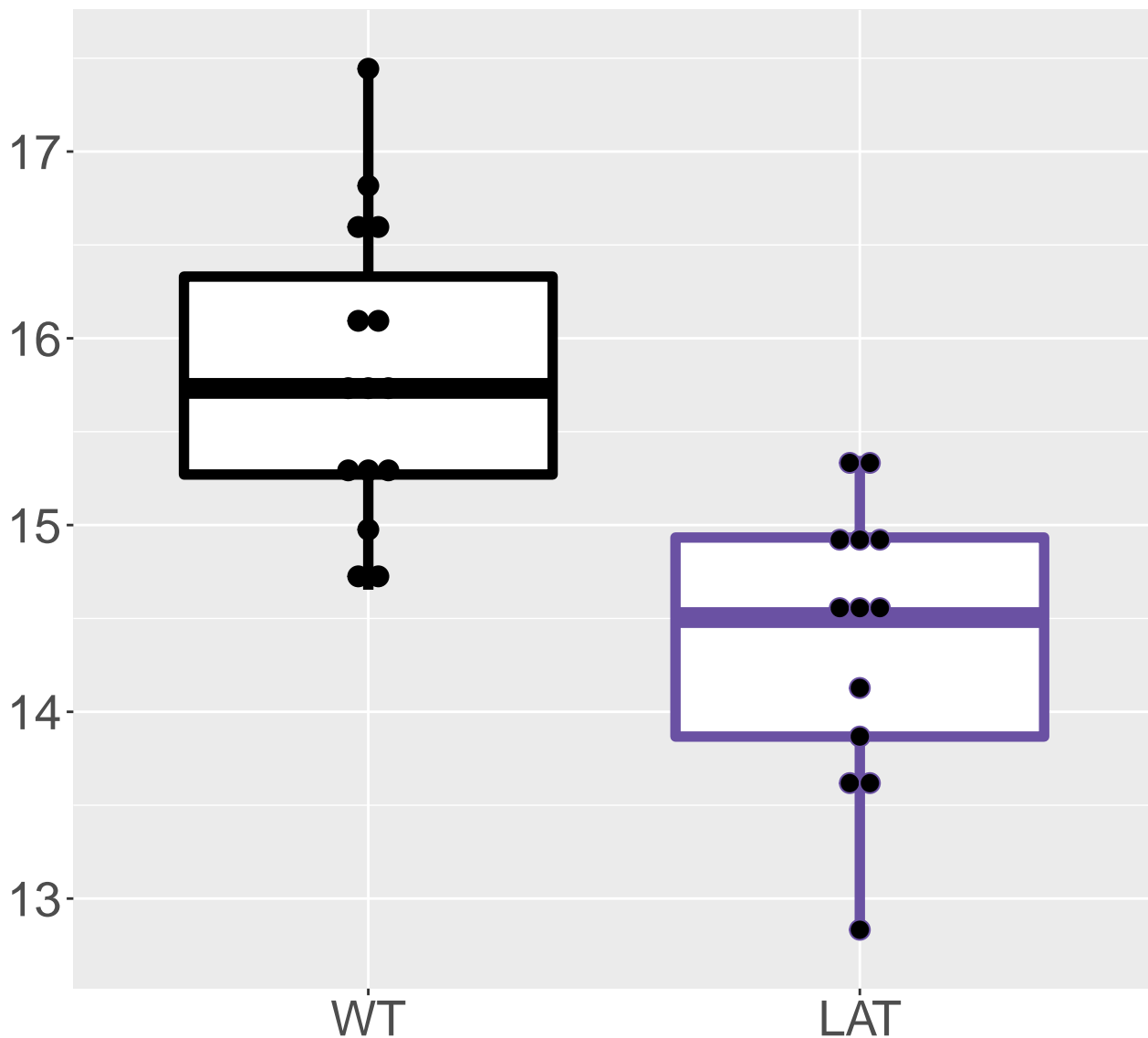


**M574.2865T239.23**  
**FDR = 0.00047, FC = 0.73**



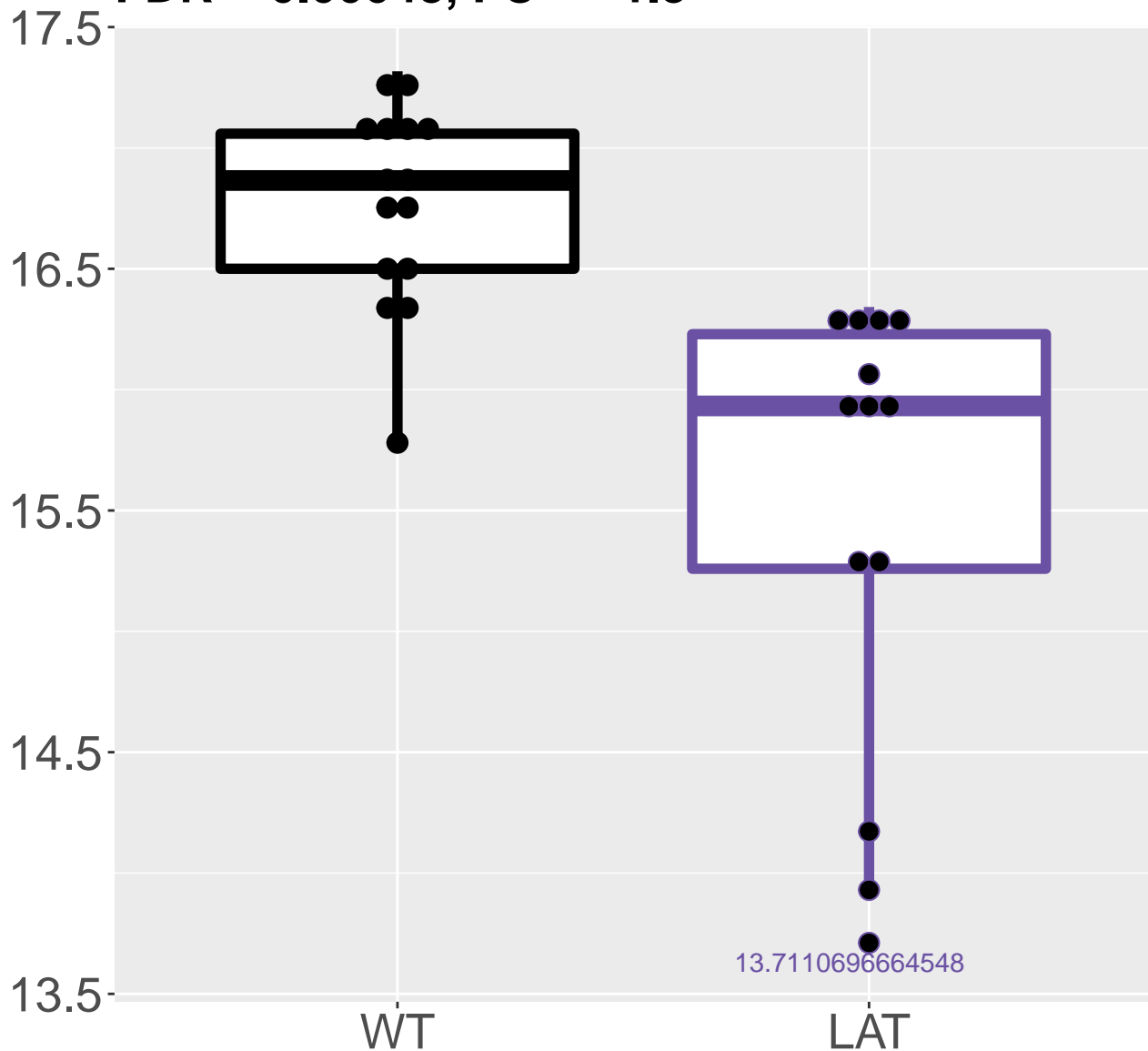
**M294.1754T239.87**

**FDR = 0.00047, FC = -1.4**



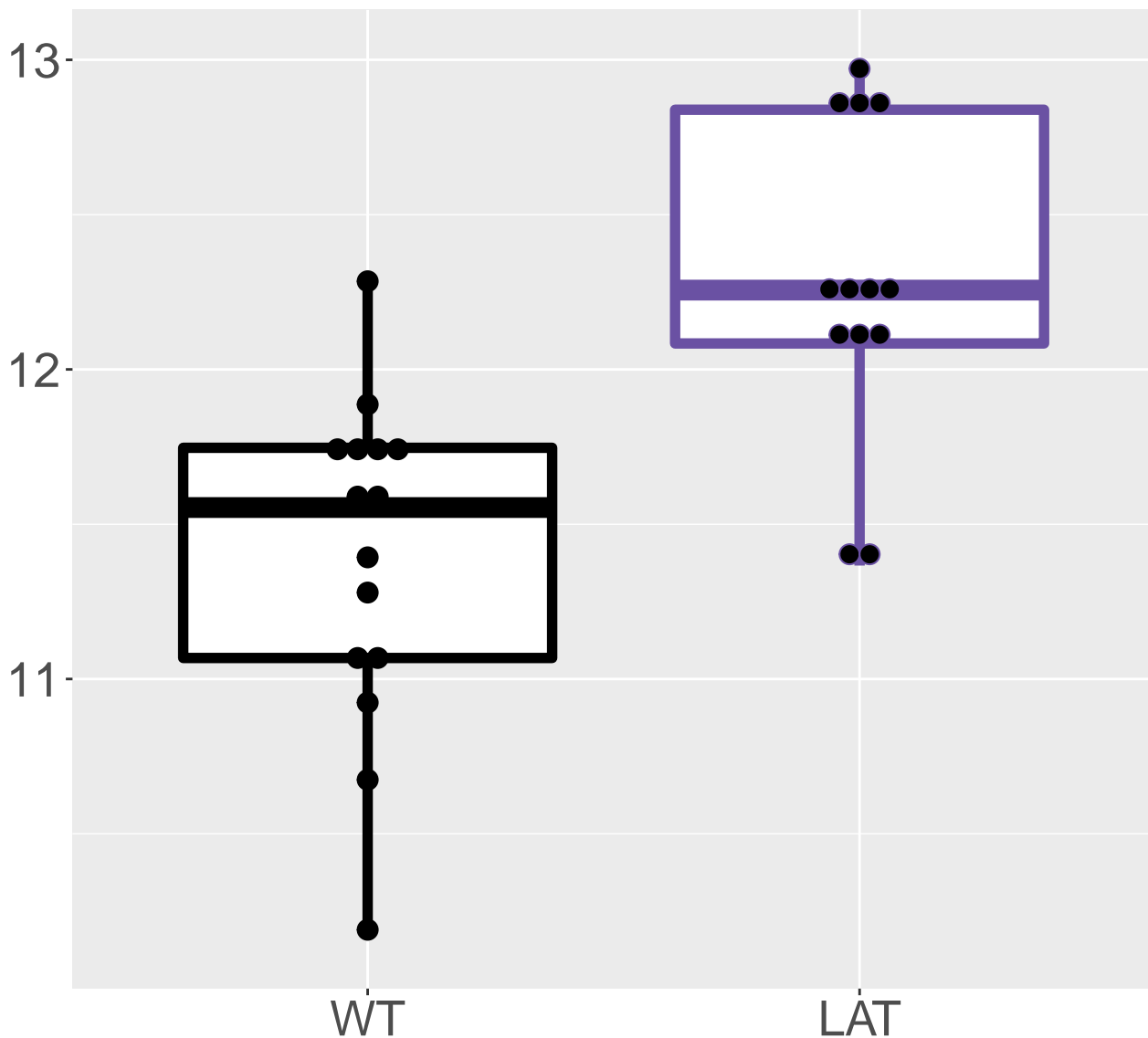
**M134.5288T75.49\_2**

**FDR = 0.00048, FC = -1.3**



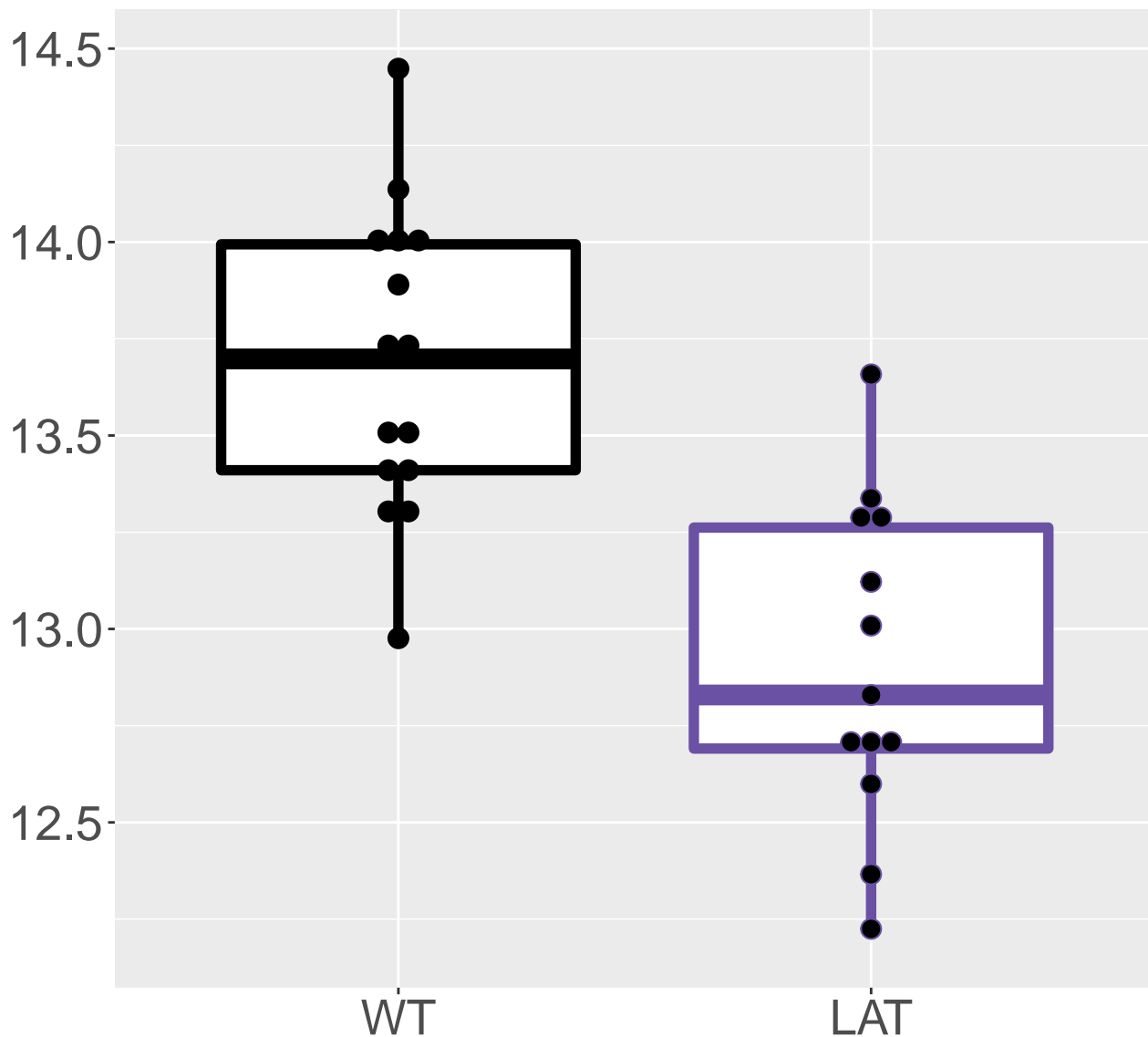
**M457.5621T290.58**

**FDR = 0.00048, FC = 0.89, sex\***

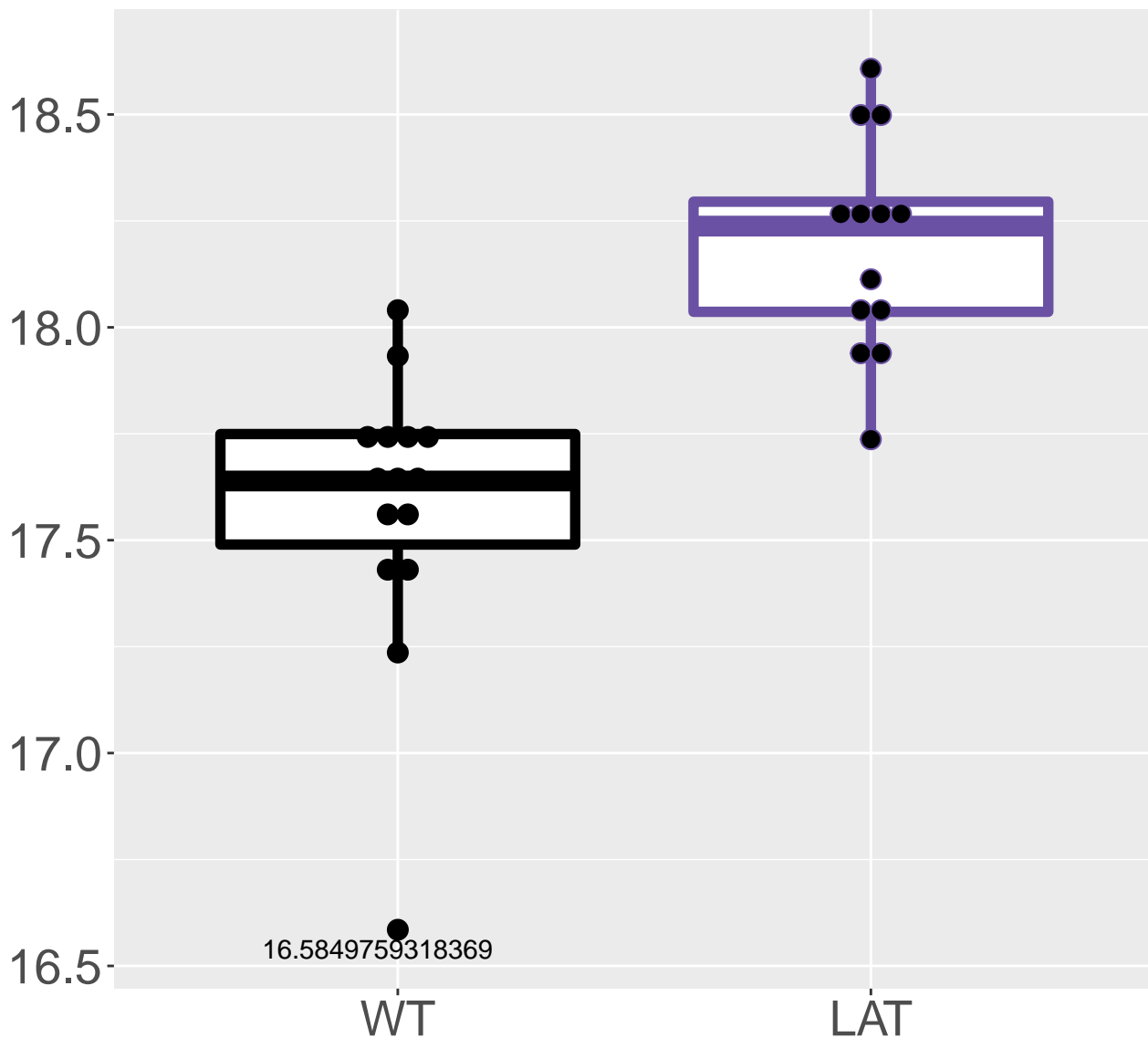


**M606.2011T296.56\_1**

**FDR = 0.00048, FC = -0.78**

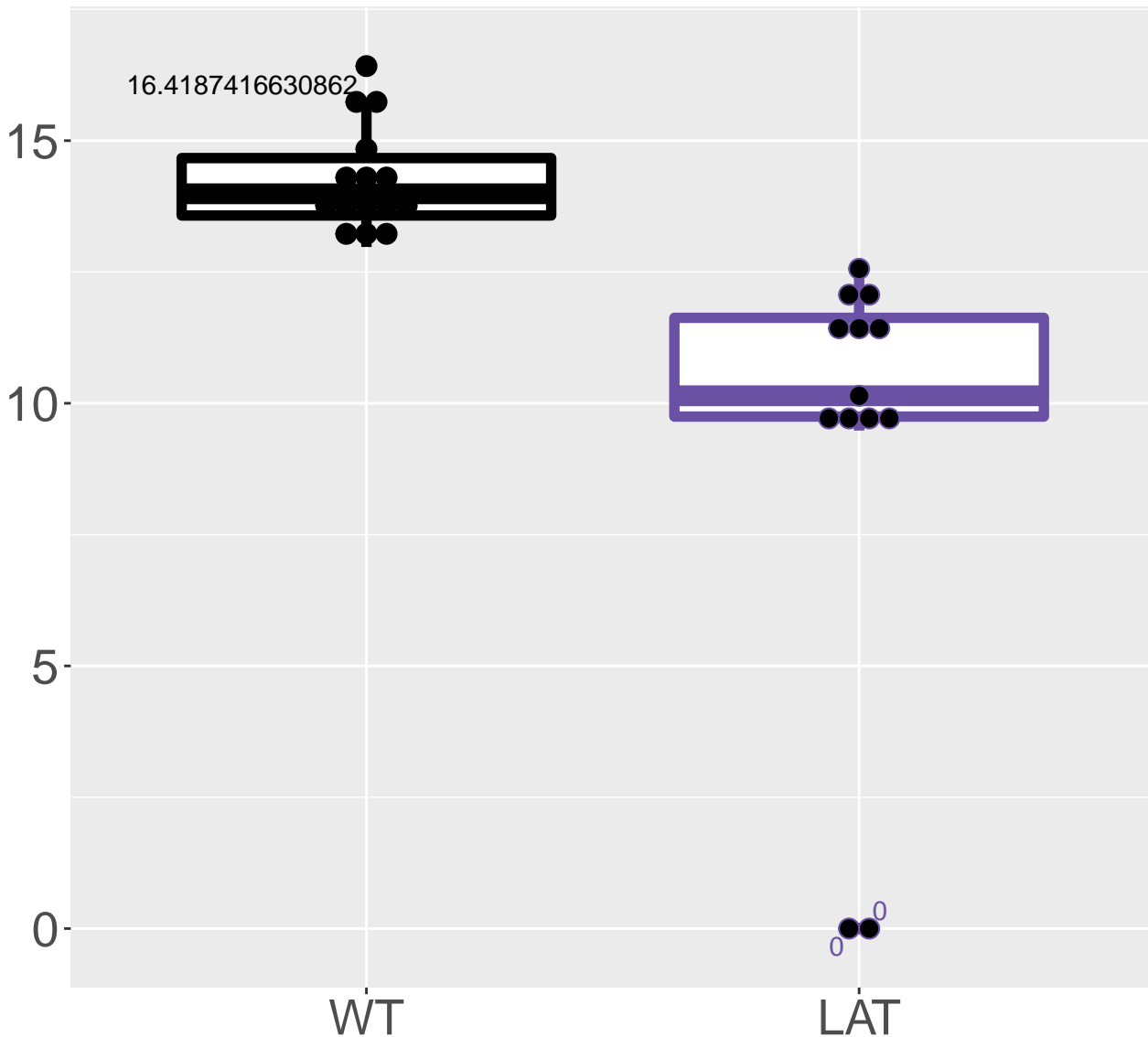


**FDR = 0.00048, FC = 0.61**



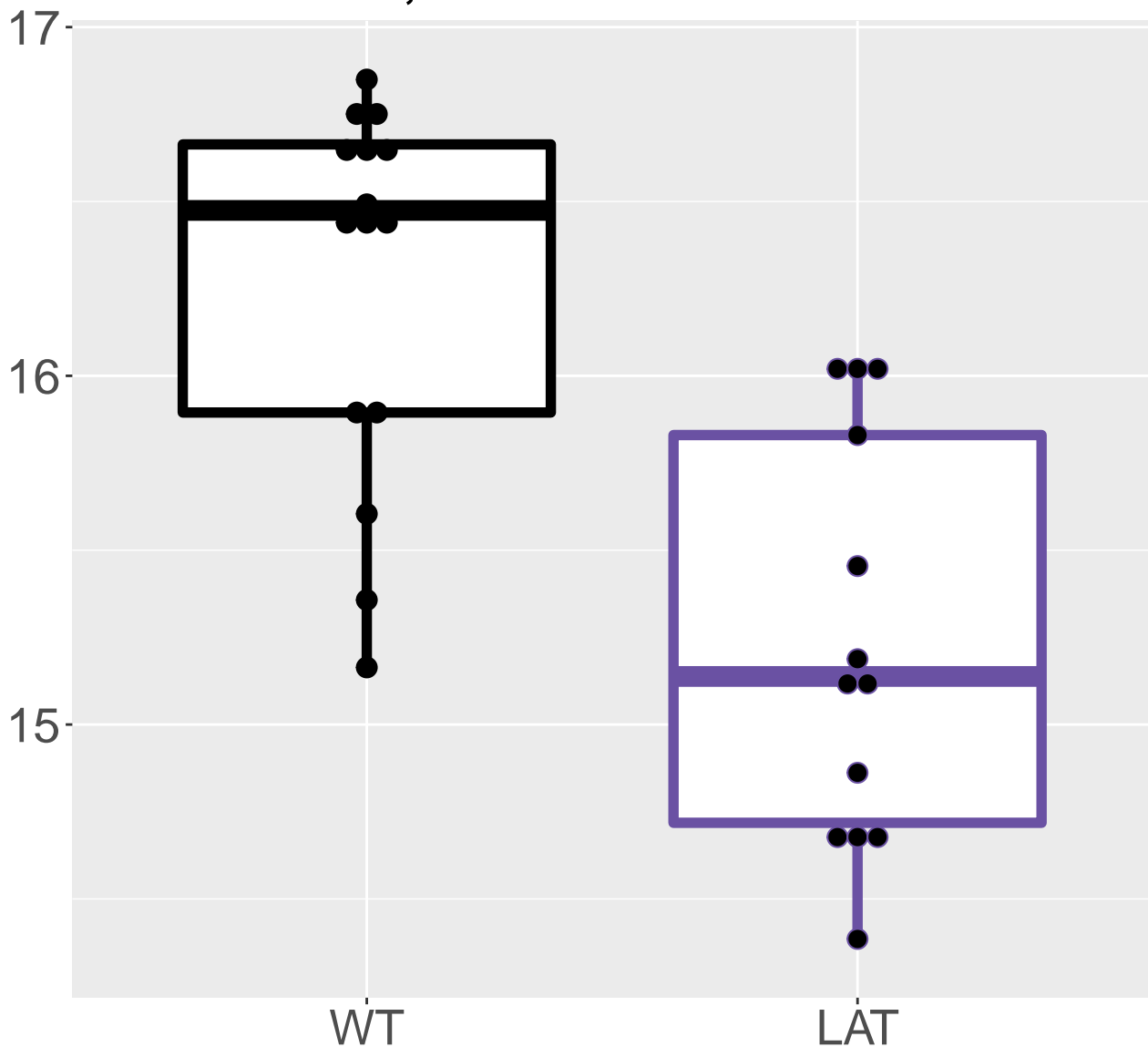
**M552.1729T80.26**

**FDR = 0.00048, FC = -5**



**M126.3376T75.57\_28**

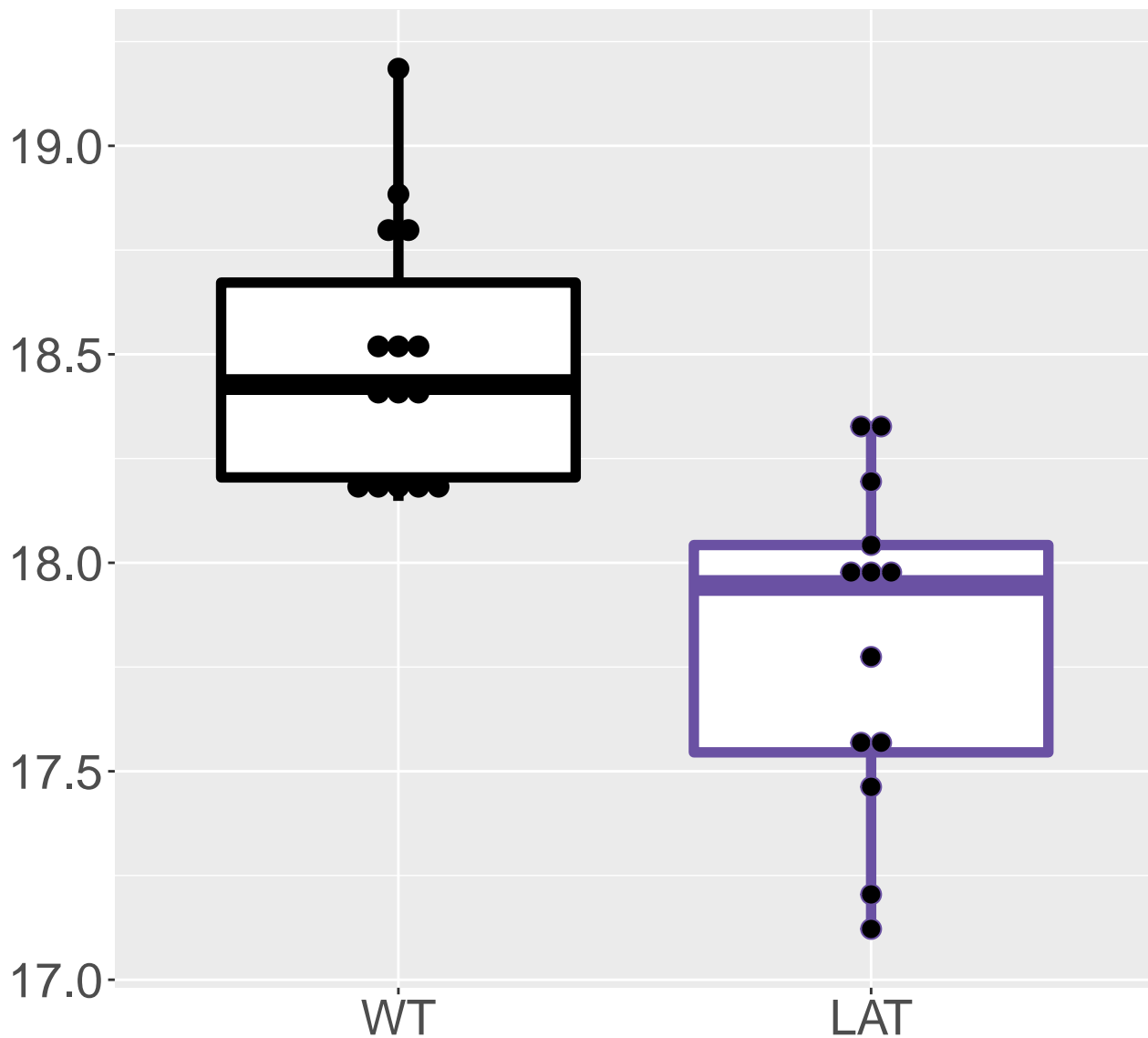
**FDR = 0.00048, FC = -1**





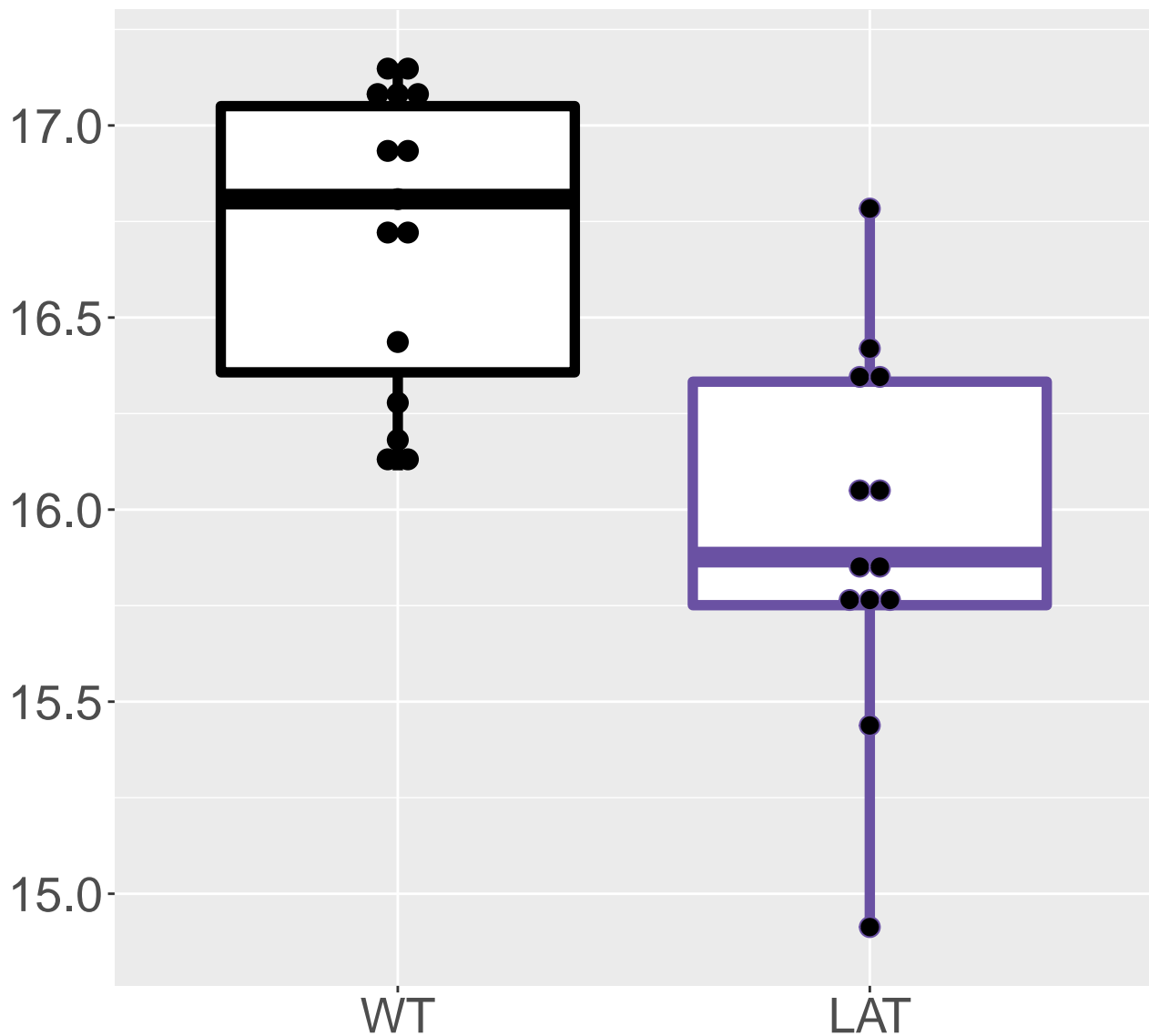
**M131.7345T75.22\_9**

**FDR = 0.00049, FC = -0.68**

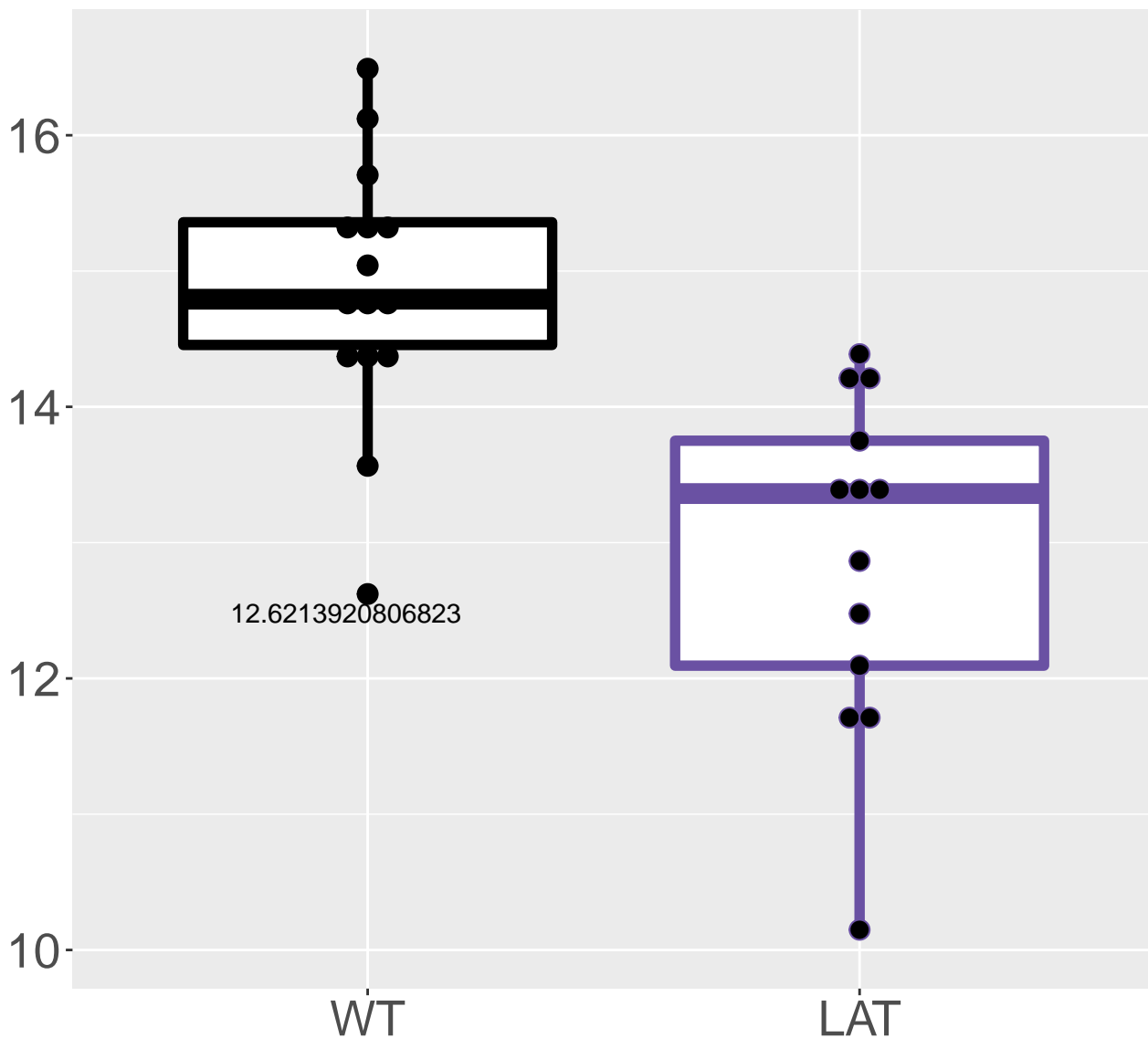


**M128.6243T75.44\_6**

**FDR = 0.00049, FC = -0.77**

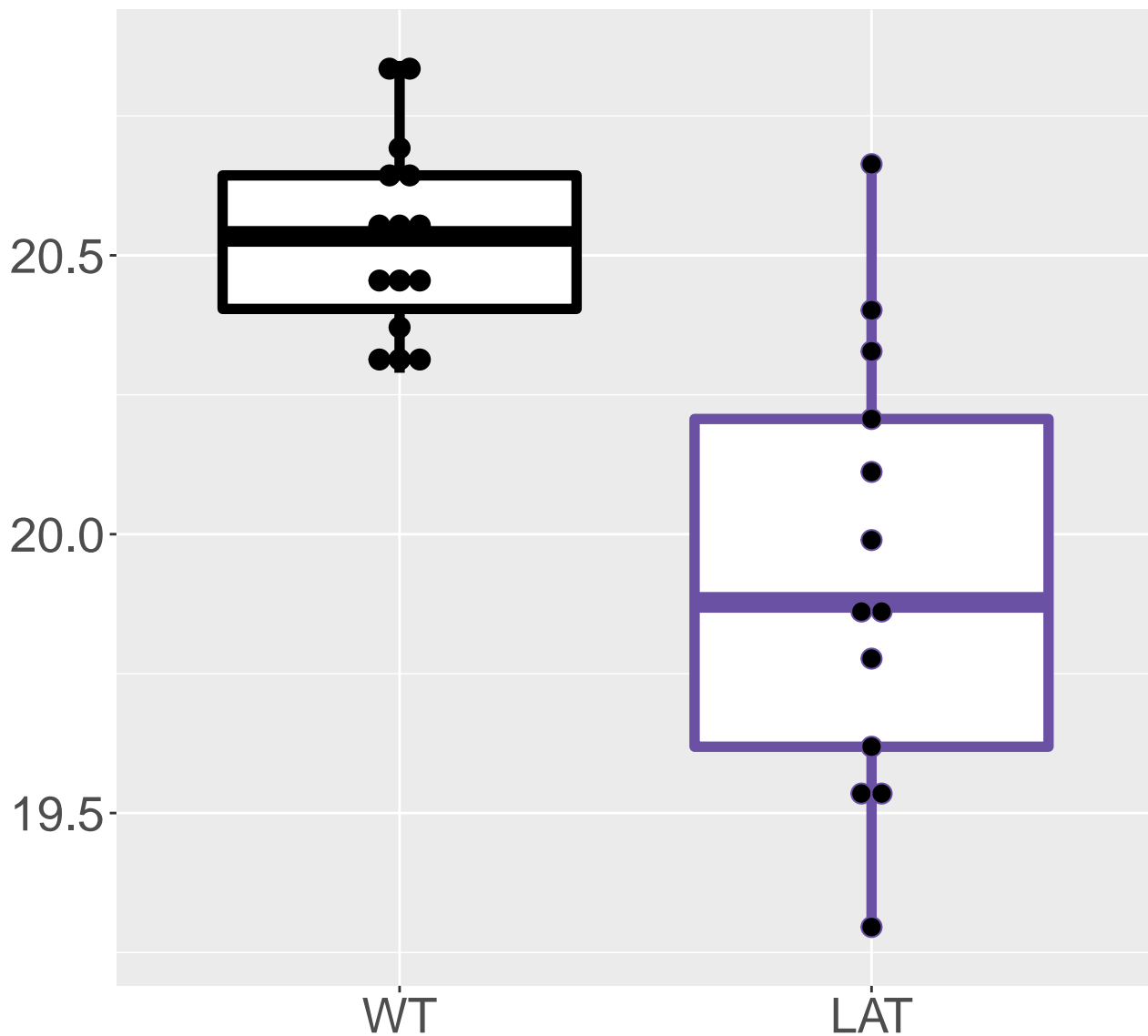


**M355.7878T257.71\_2**  
**FDR = 0.00049, FC = -2**



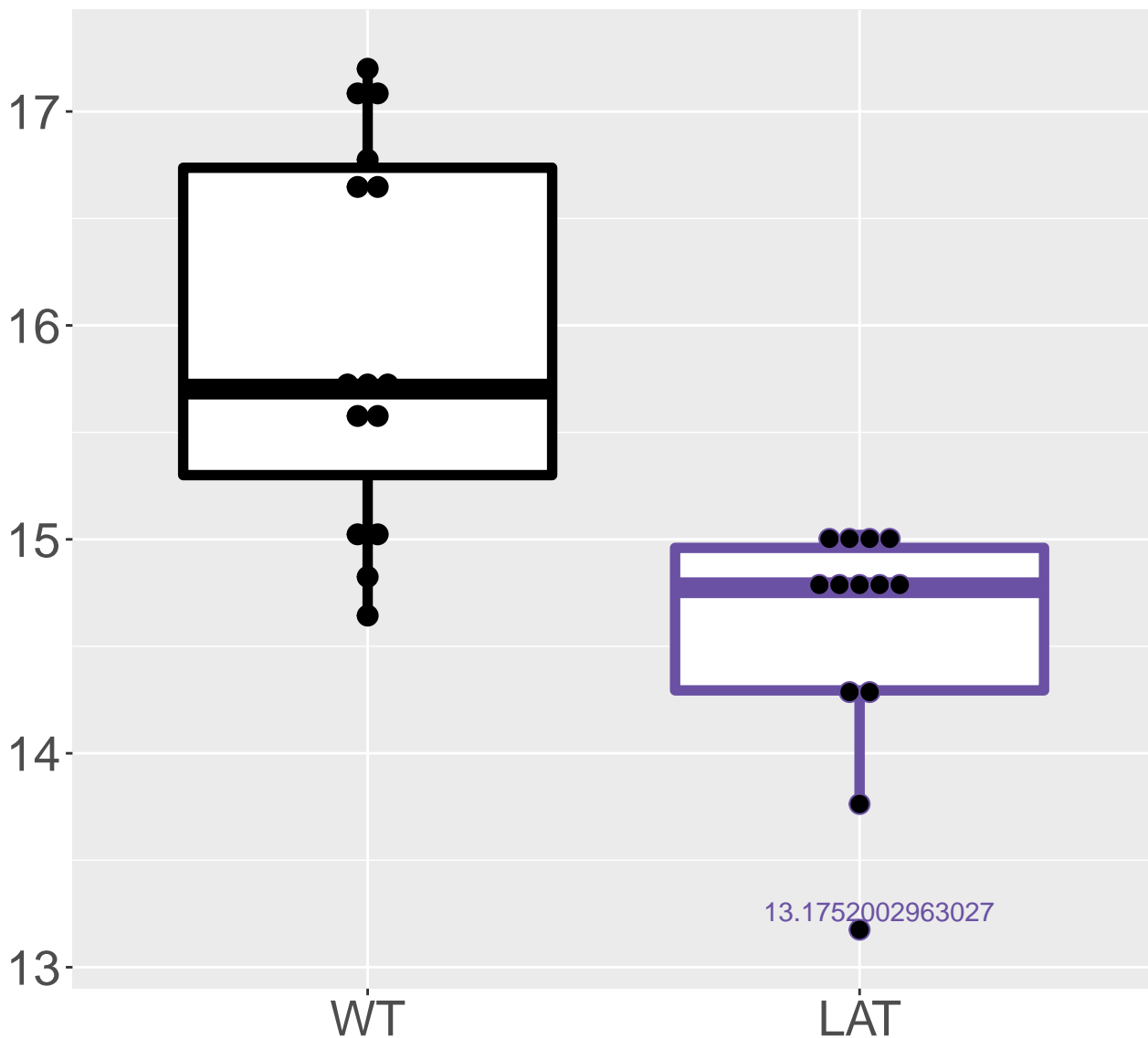
**M594.2269T48.67**

**FDR =  $5e-04$ , FC =  $-0.59$**



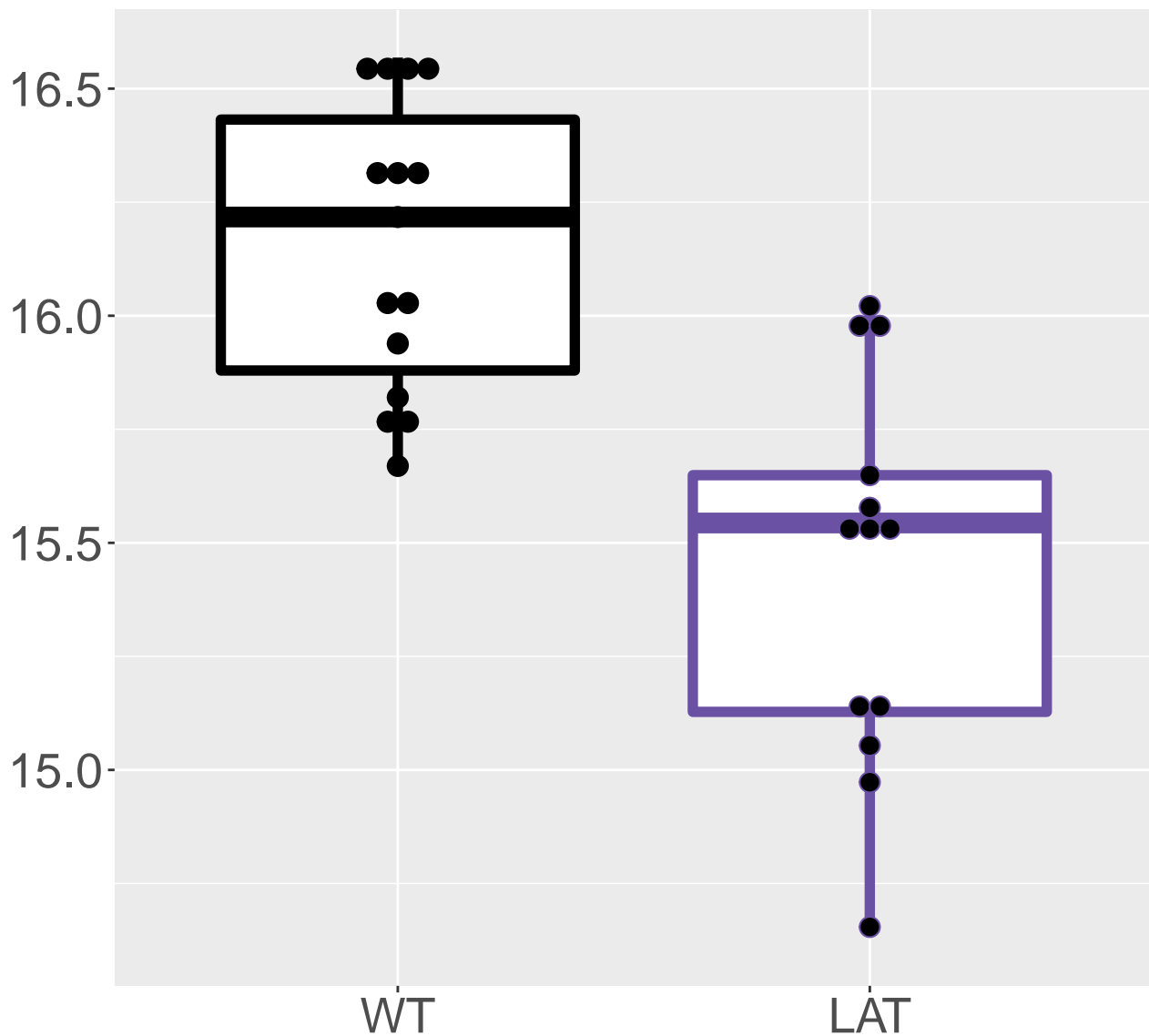
**M301.1729T264.34**

**FDR = 5e-04, FC = -1.4**



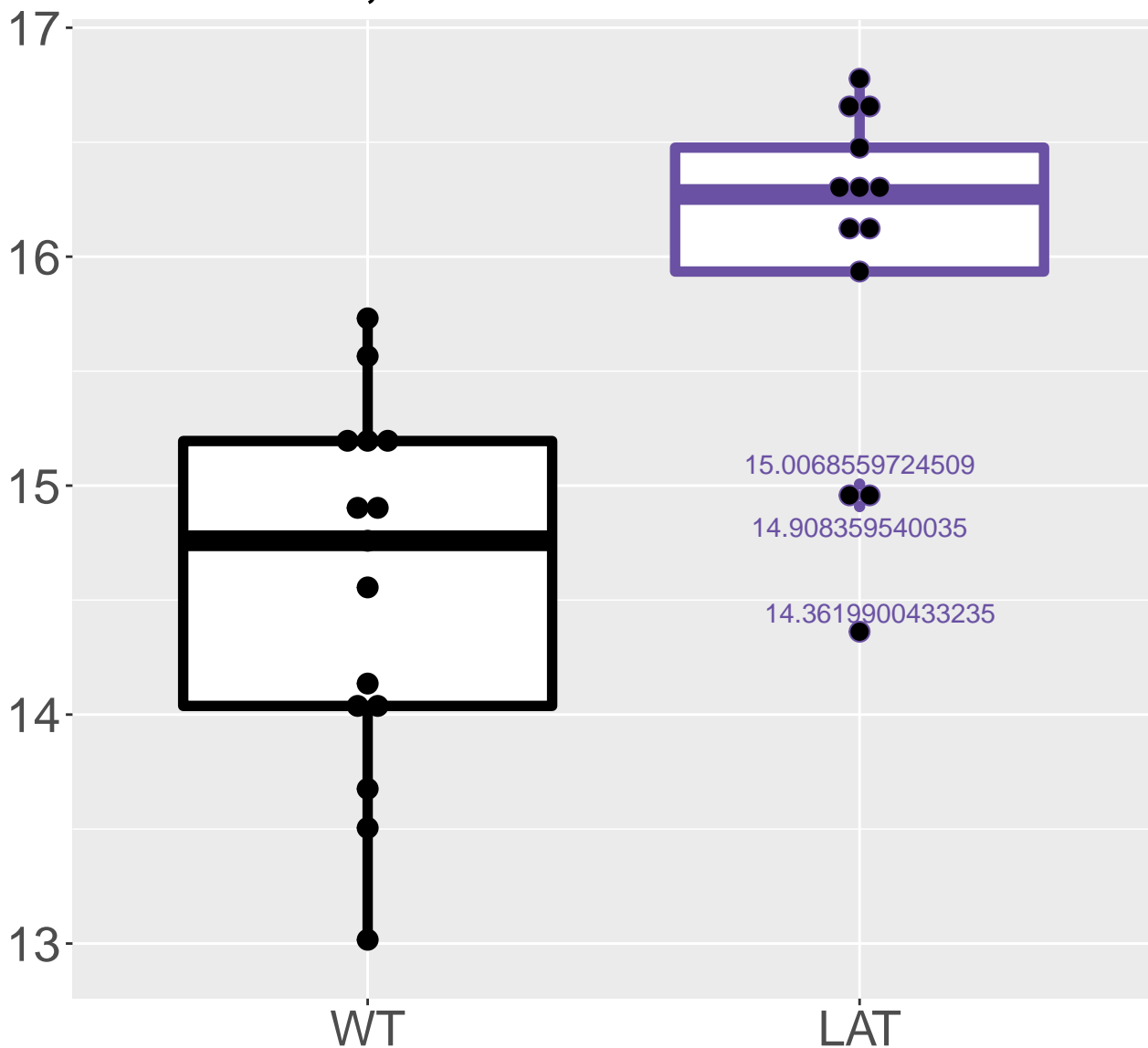
**M170.133T113.2\_29**

**FDR =  $5e-04$ , FC =  $-0.71$**



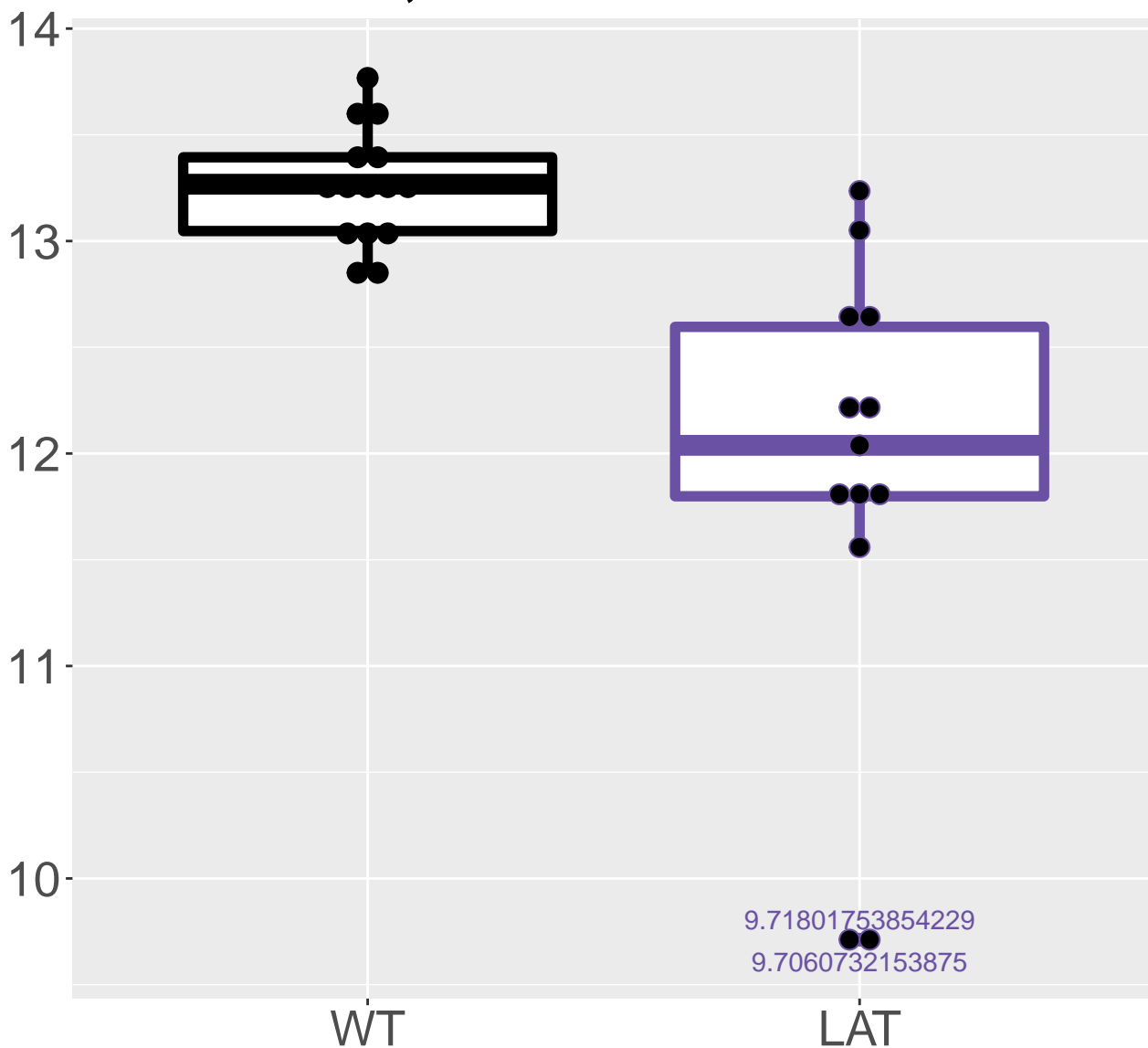
**M288.9935T47.05**

**FDR = 5e-04, FC = 1.4**



**M575.3223T255.96**

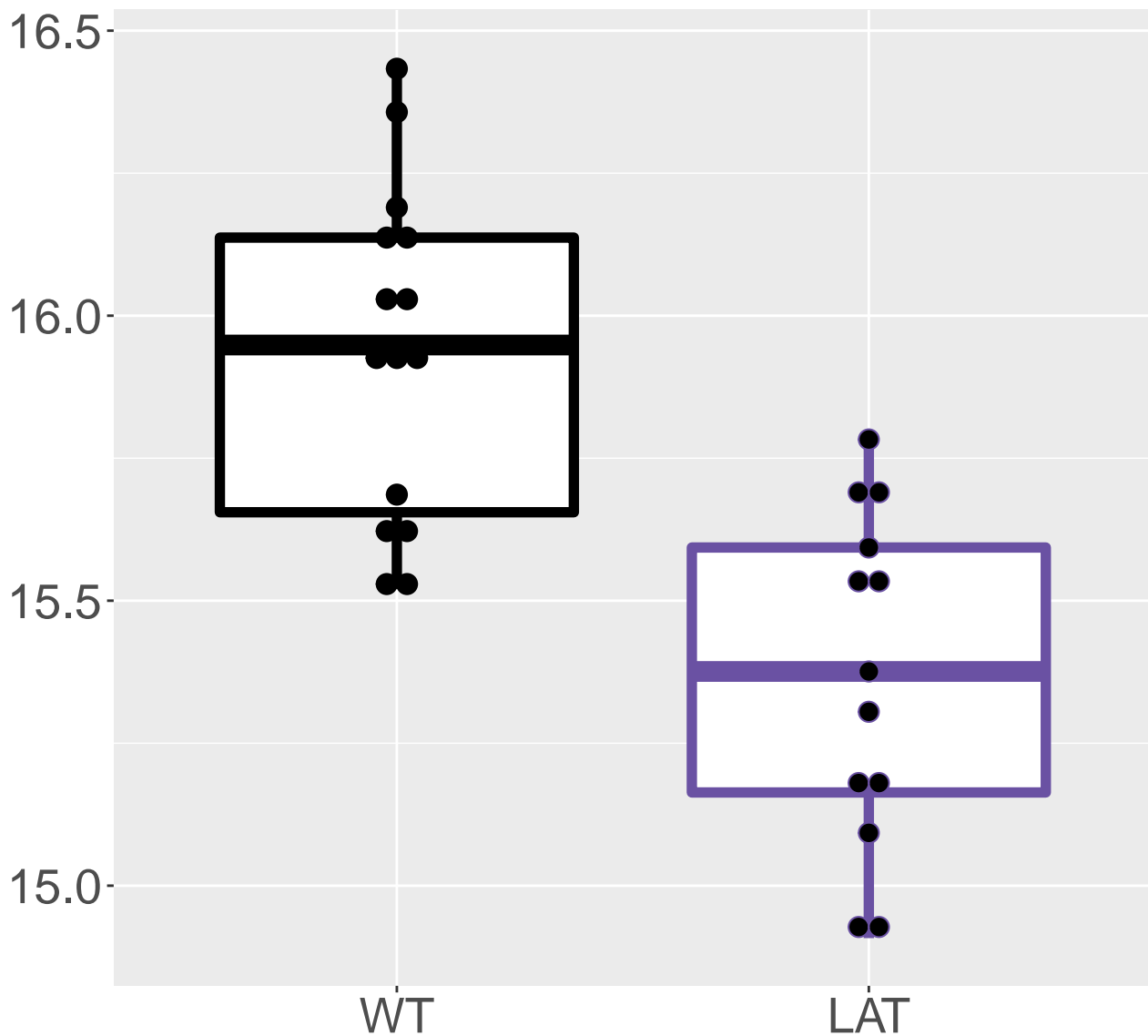
**FDR = 0.00051, FC = -1.4**





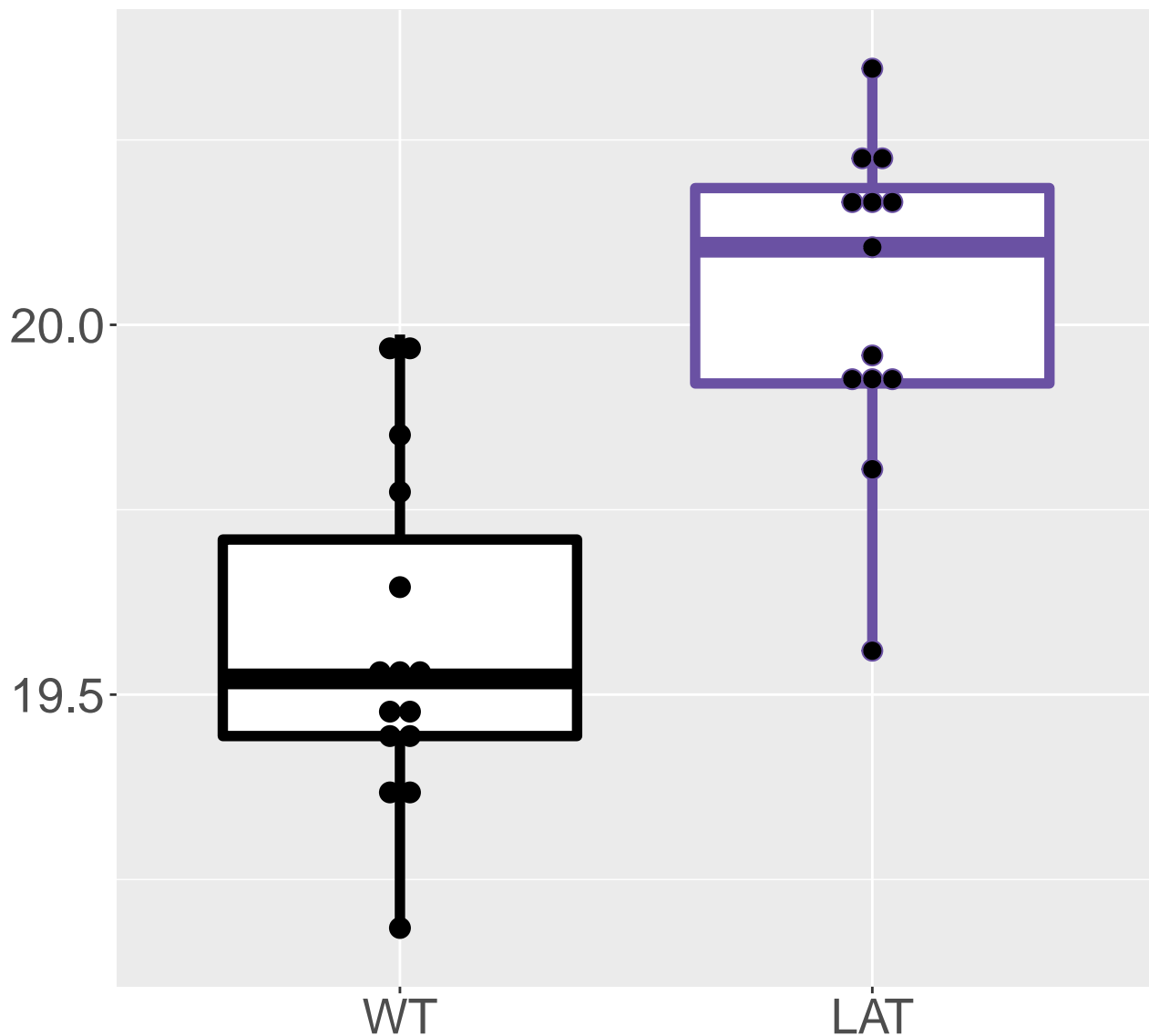
**M159.813T113.11\_15**

**FDR = 0.00051, FC = -0.57**



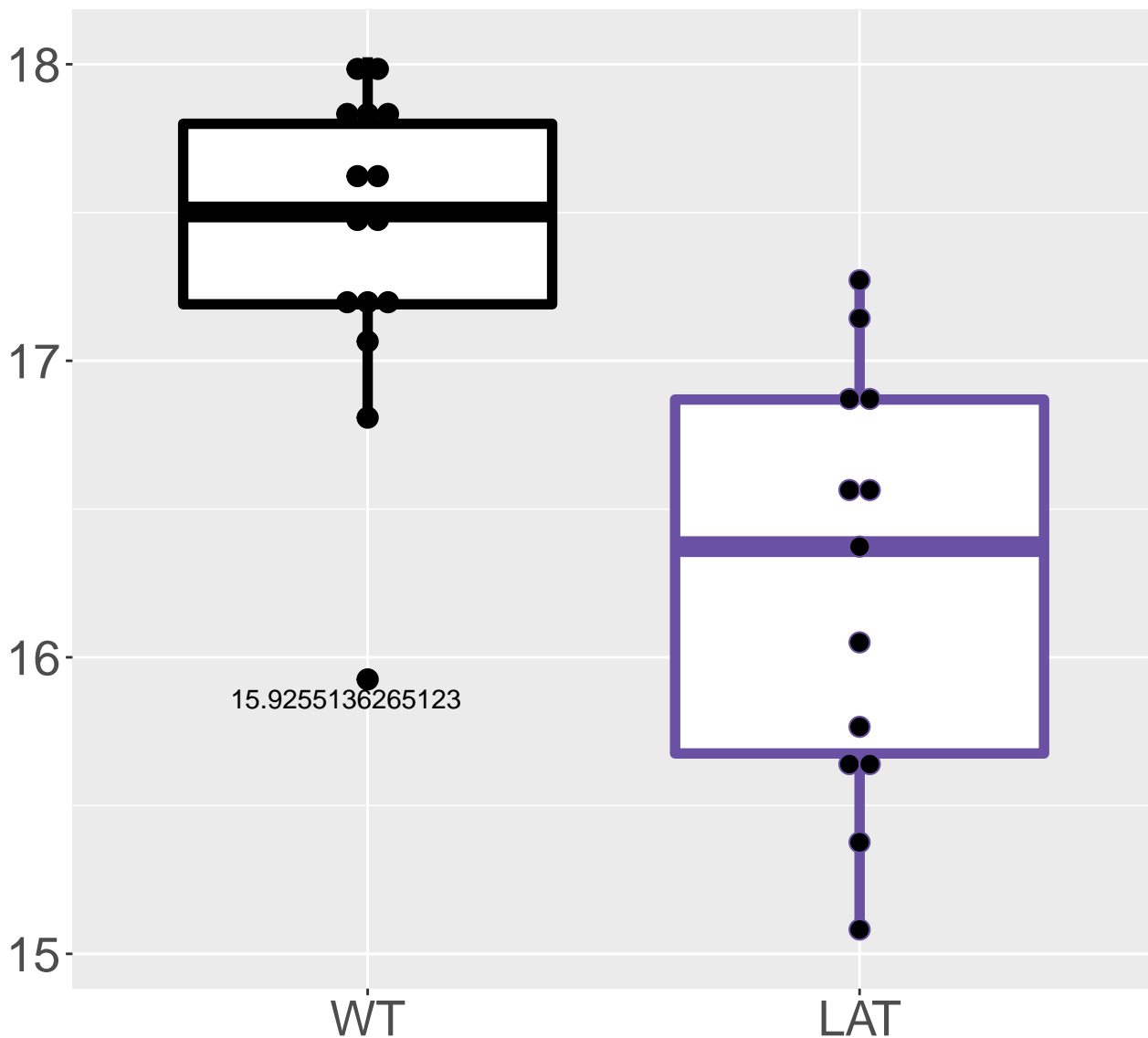
**M277.1043T52.17**

**FDR = 0.00051, FC = 0.47**



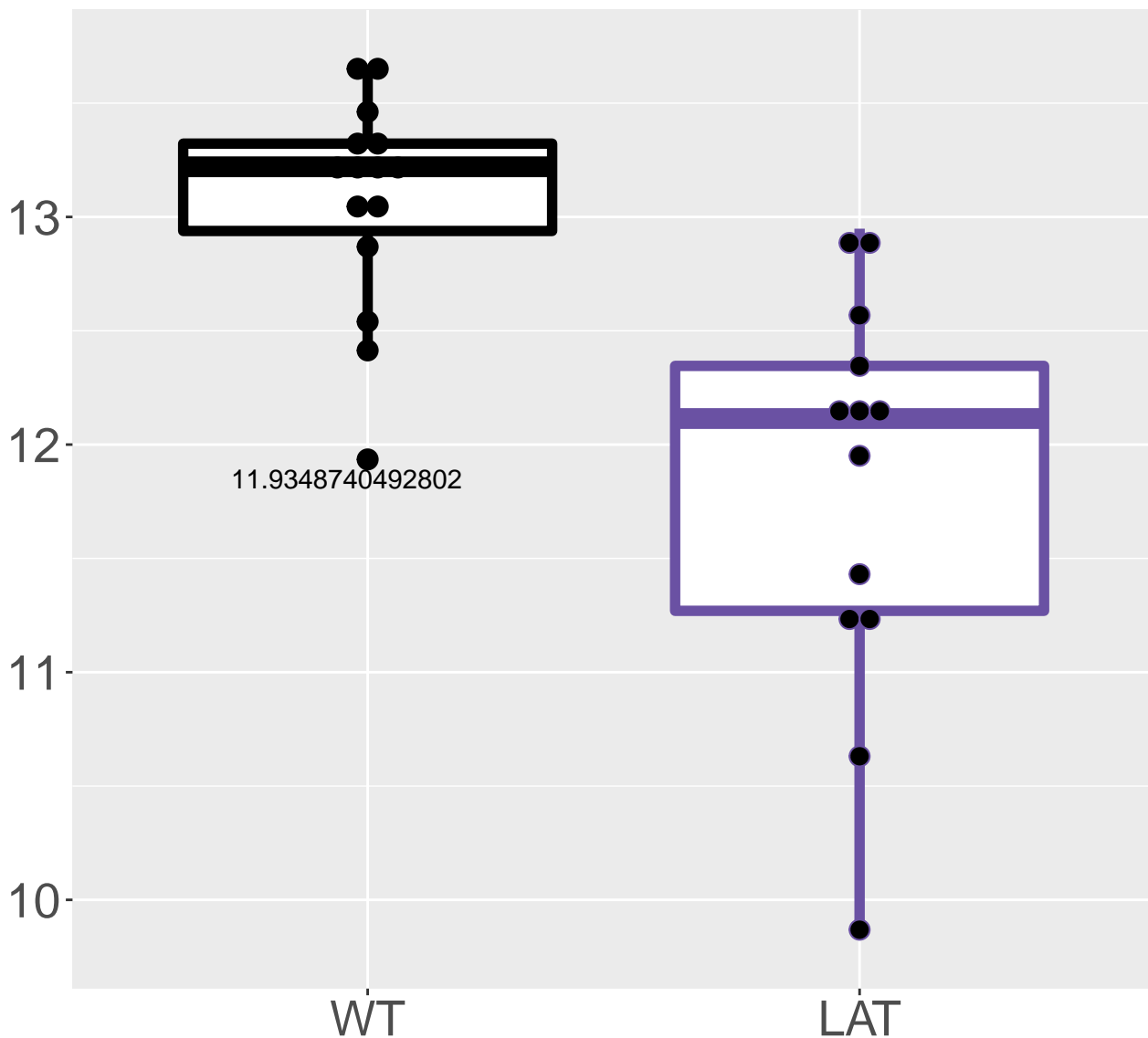
**M130.7935T75.34\_16**

**FDR = 0.00051, FC = -1.2**



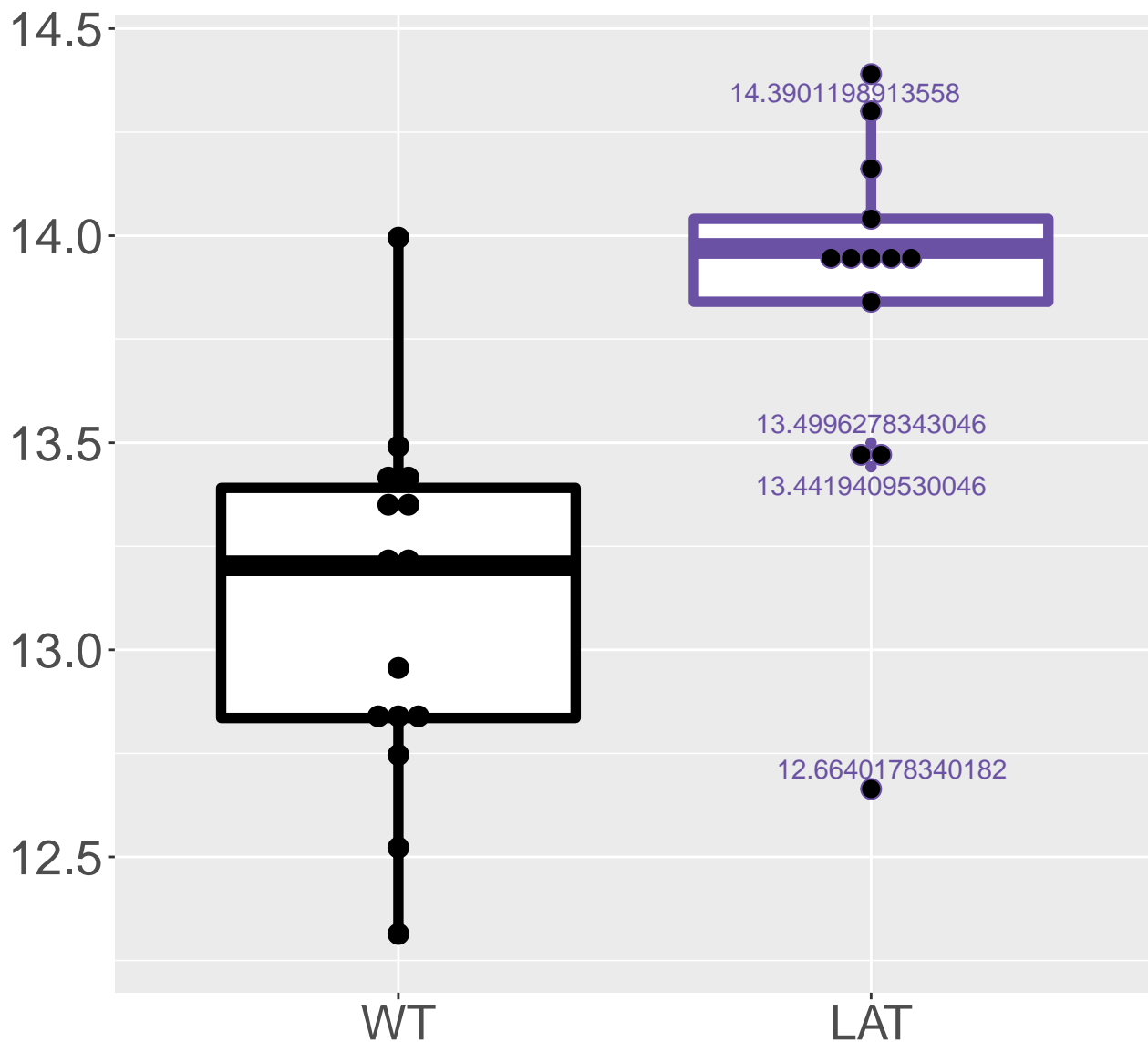
**M201.6688T228.78\_2**

**FDR = 0.00052, FC = -1.3**



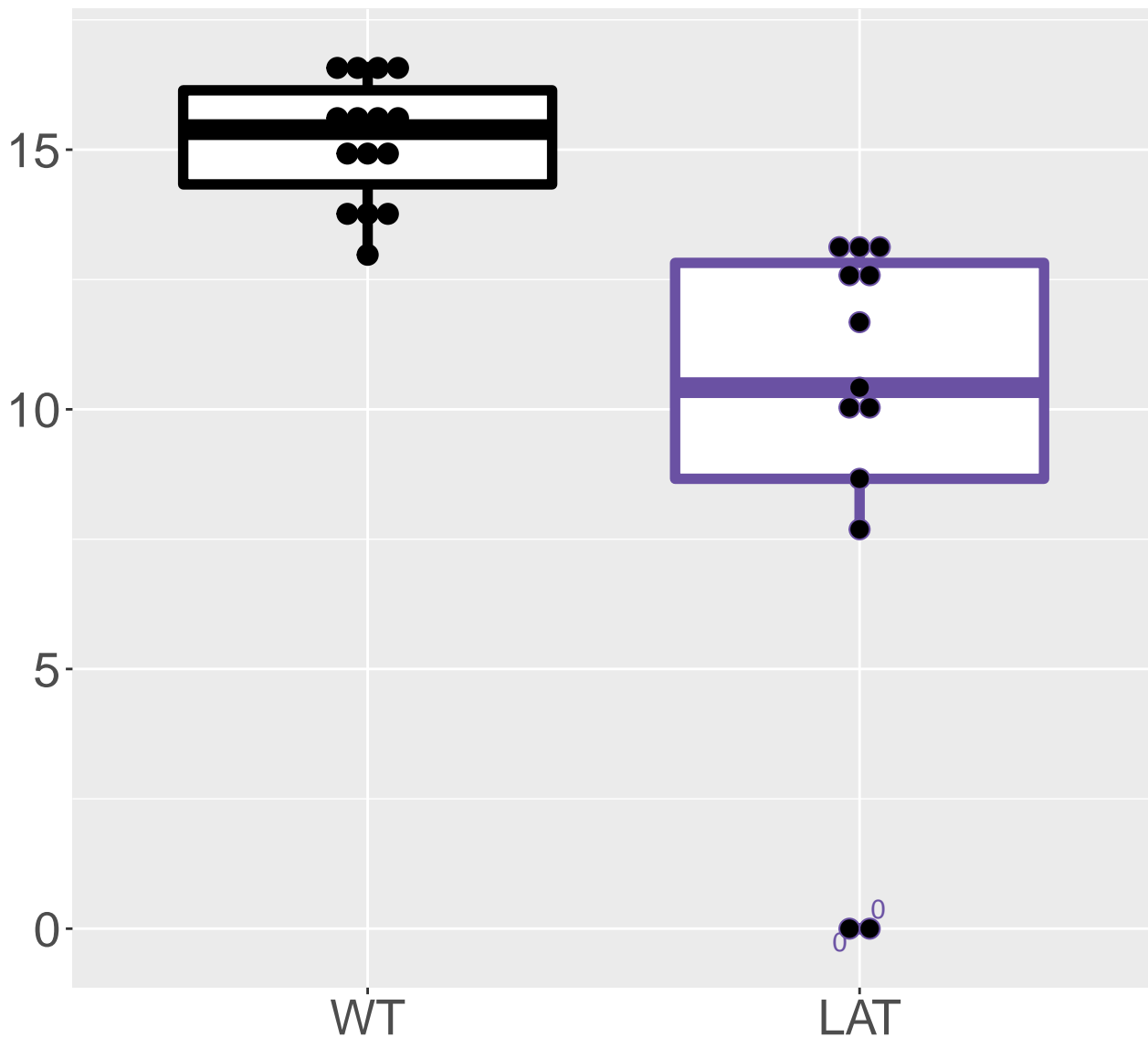
**M603.2715T284.9**

**FDR = 0.00052, FC = 0.75**



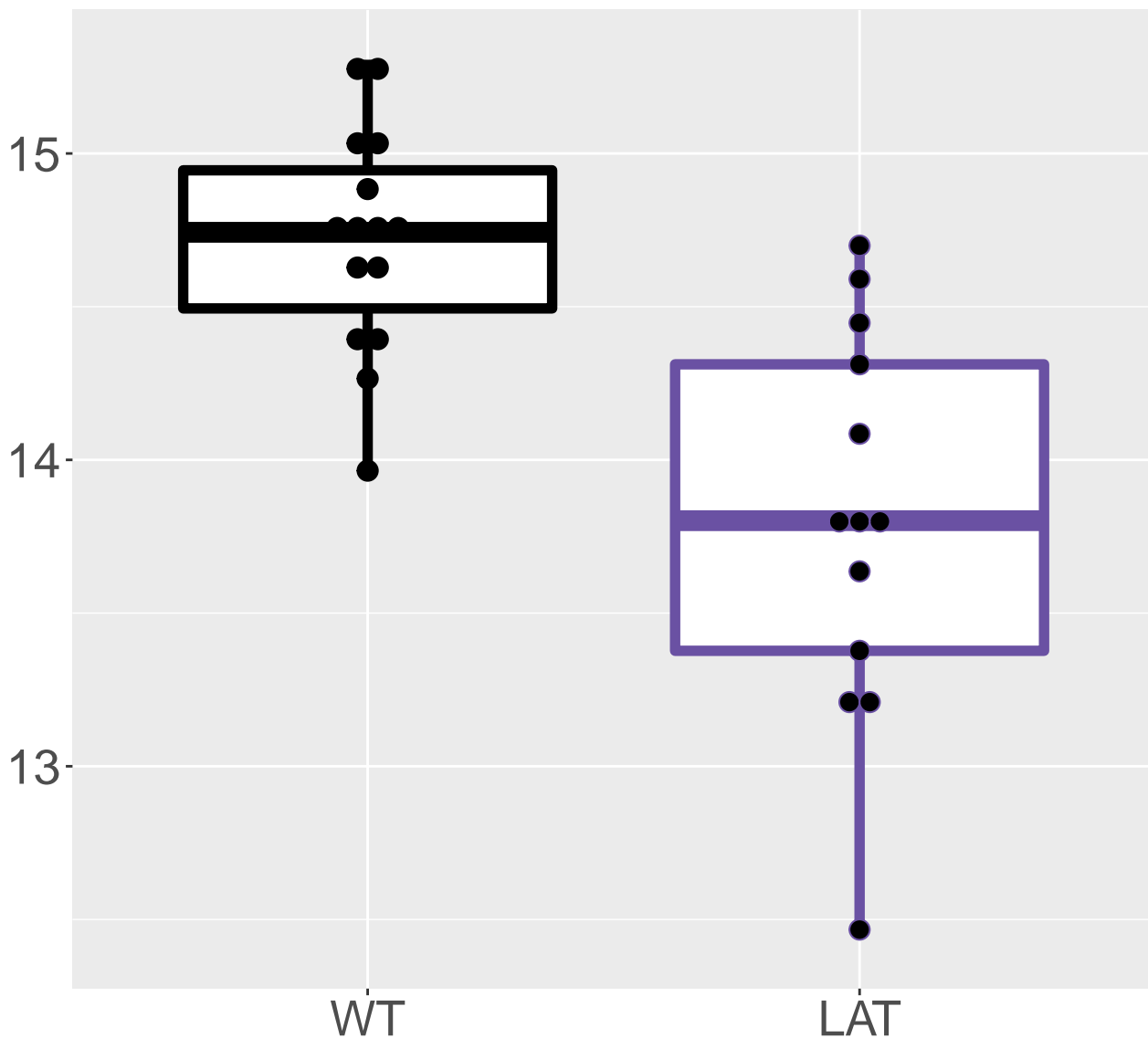
**M376.8976T319.89\_2**

**FDR = 0.00052, FC = -5.7**



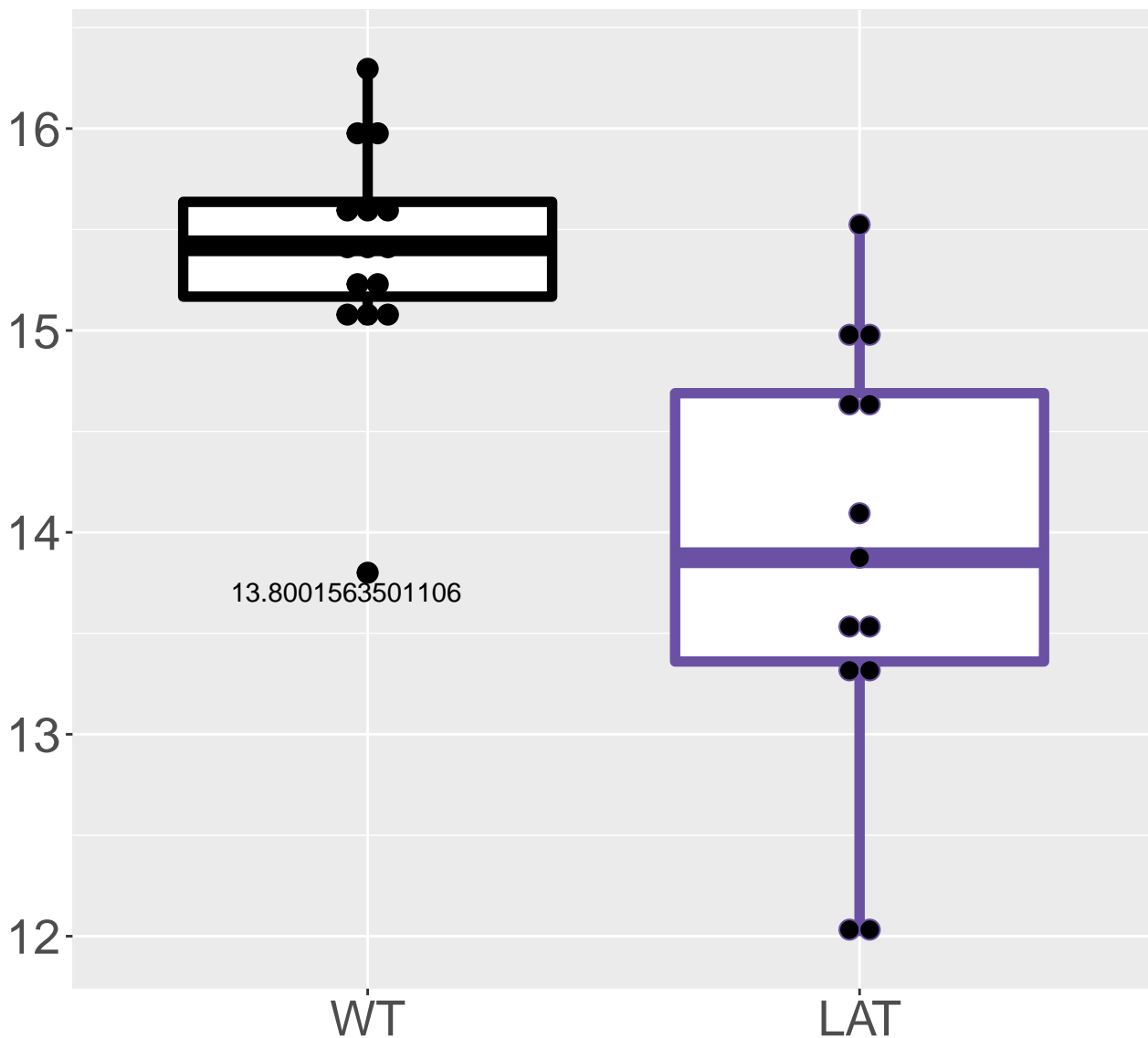
**M464.2531T142.8**

**FDR = 0.00052, FC = -0.92**



**M918.3332T48.47**

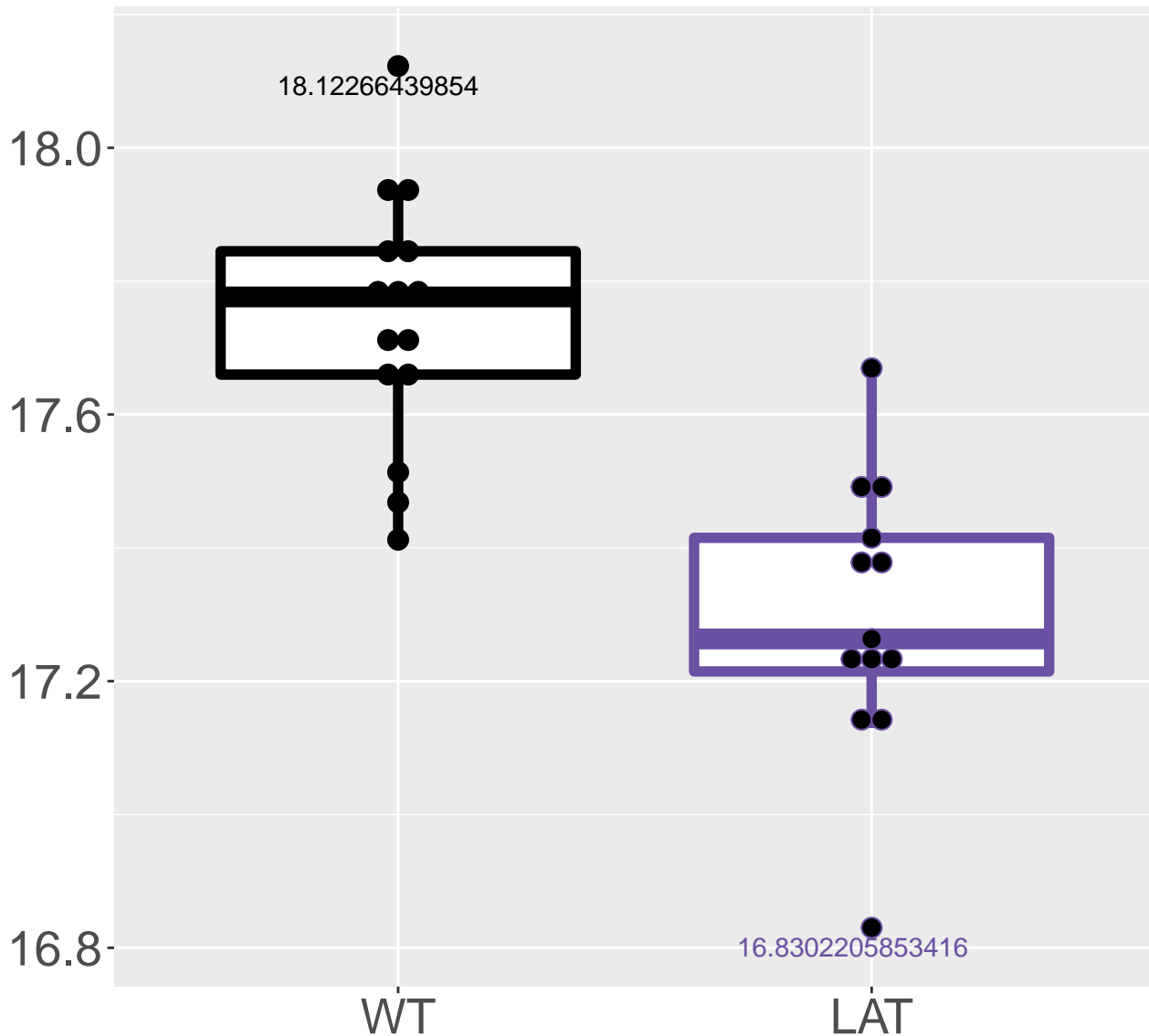
**FDR = 0.00052, FC = -1.5**





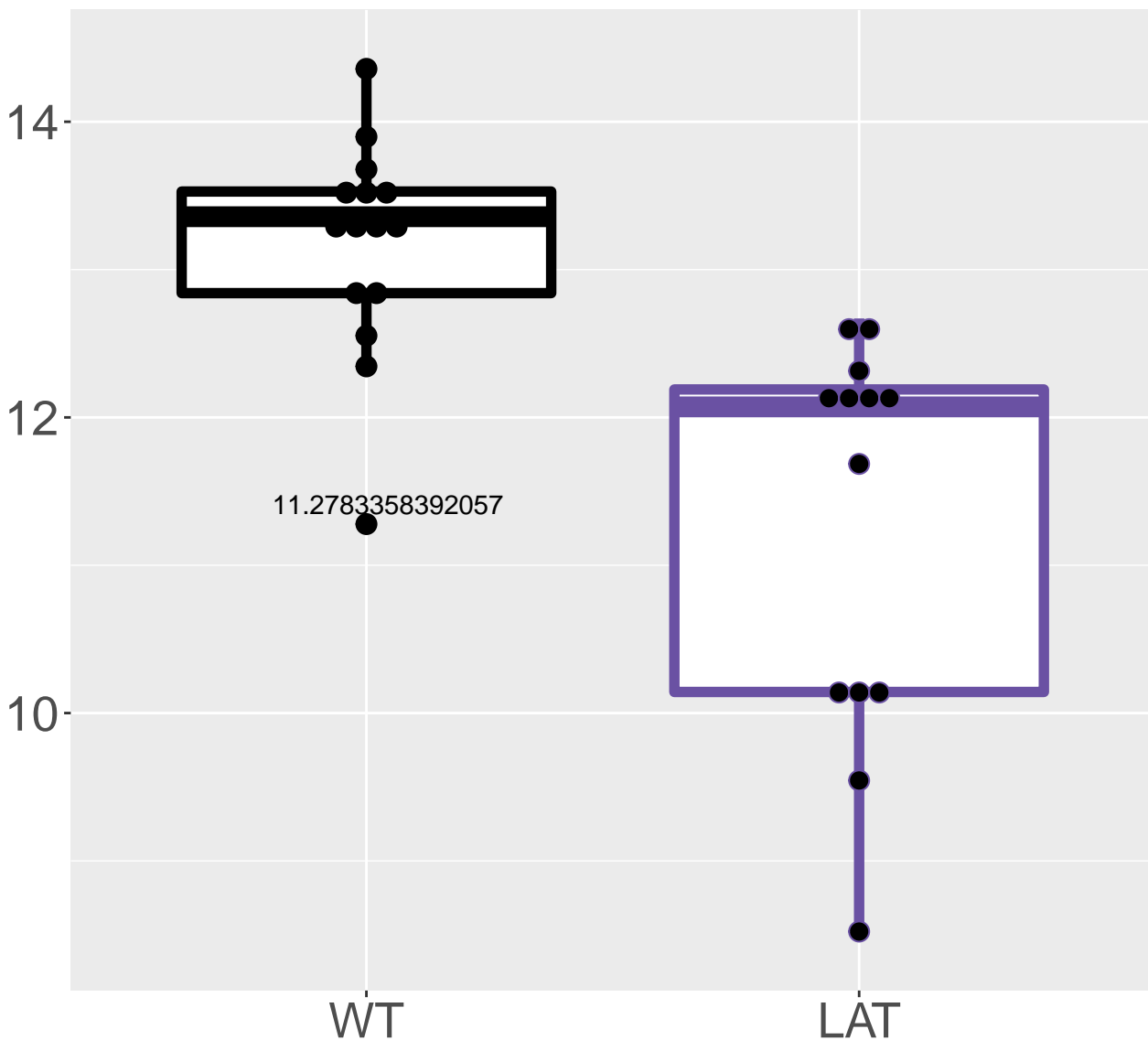
**M201.0729T42.09**

**FDR = 0.00052, FC = -0.44**



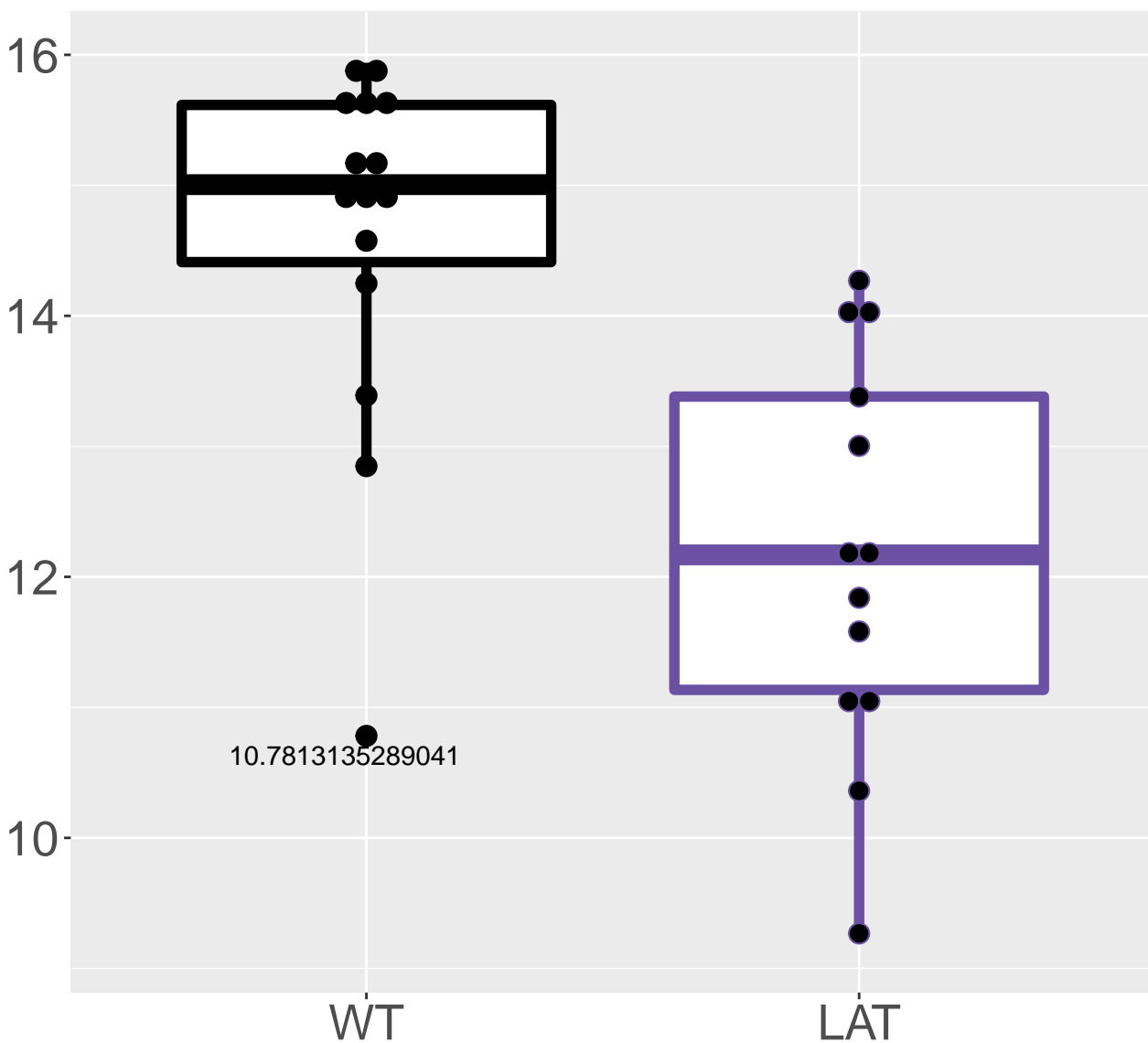
**M237.6691T84.47**

**FDR = 0.00053, FC = -1.9**



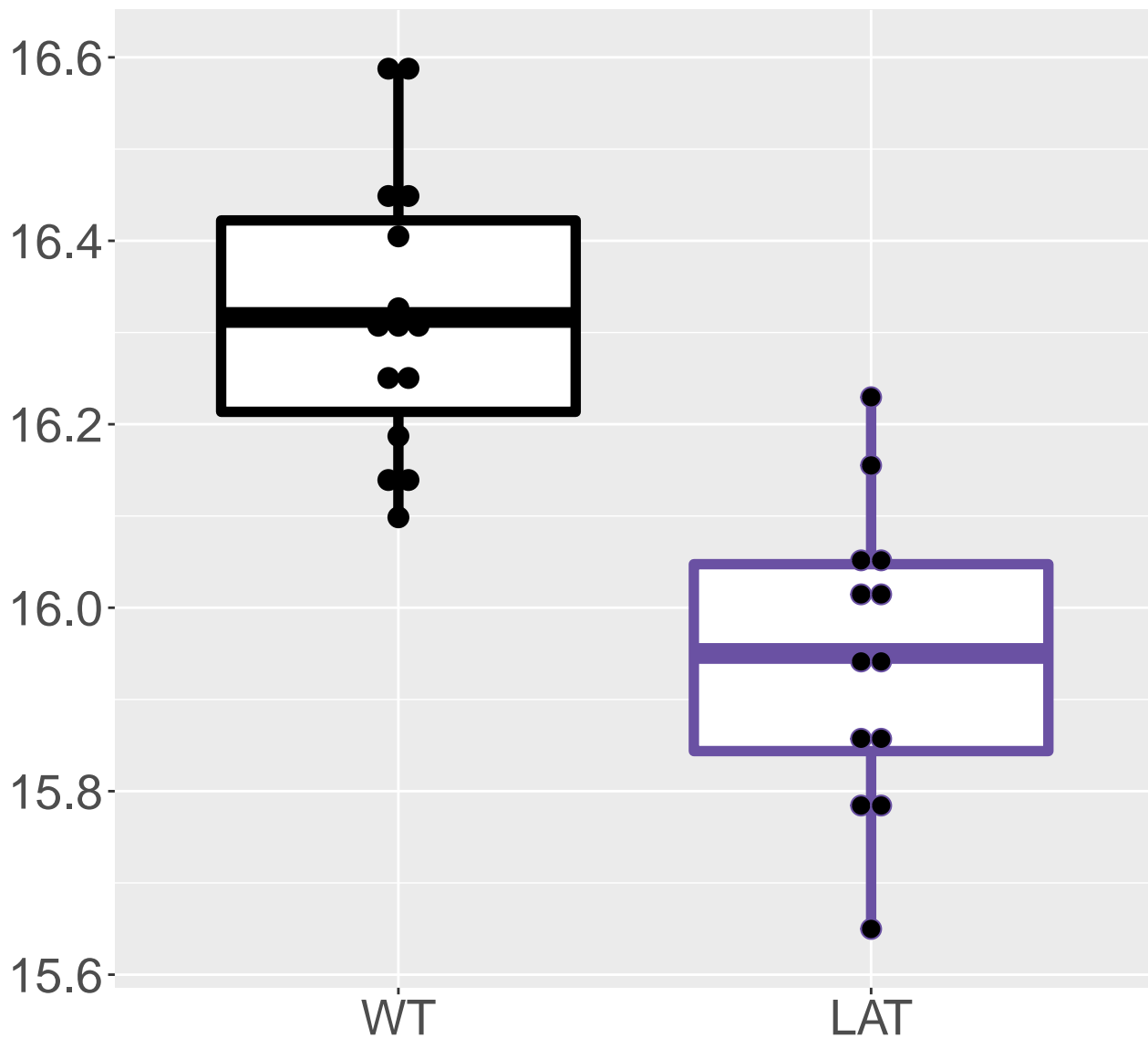
**M647.1531T406.23**

**FDR = 0.00055, FC = -2.5**



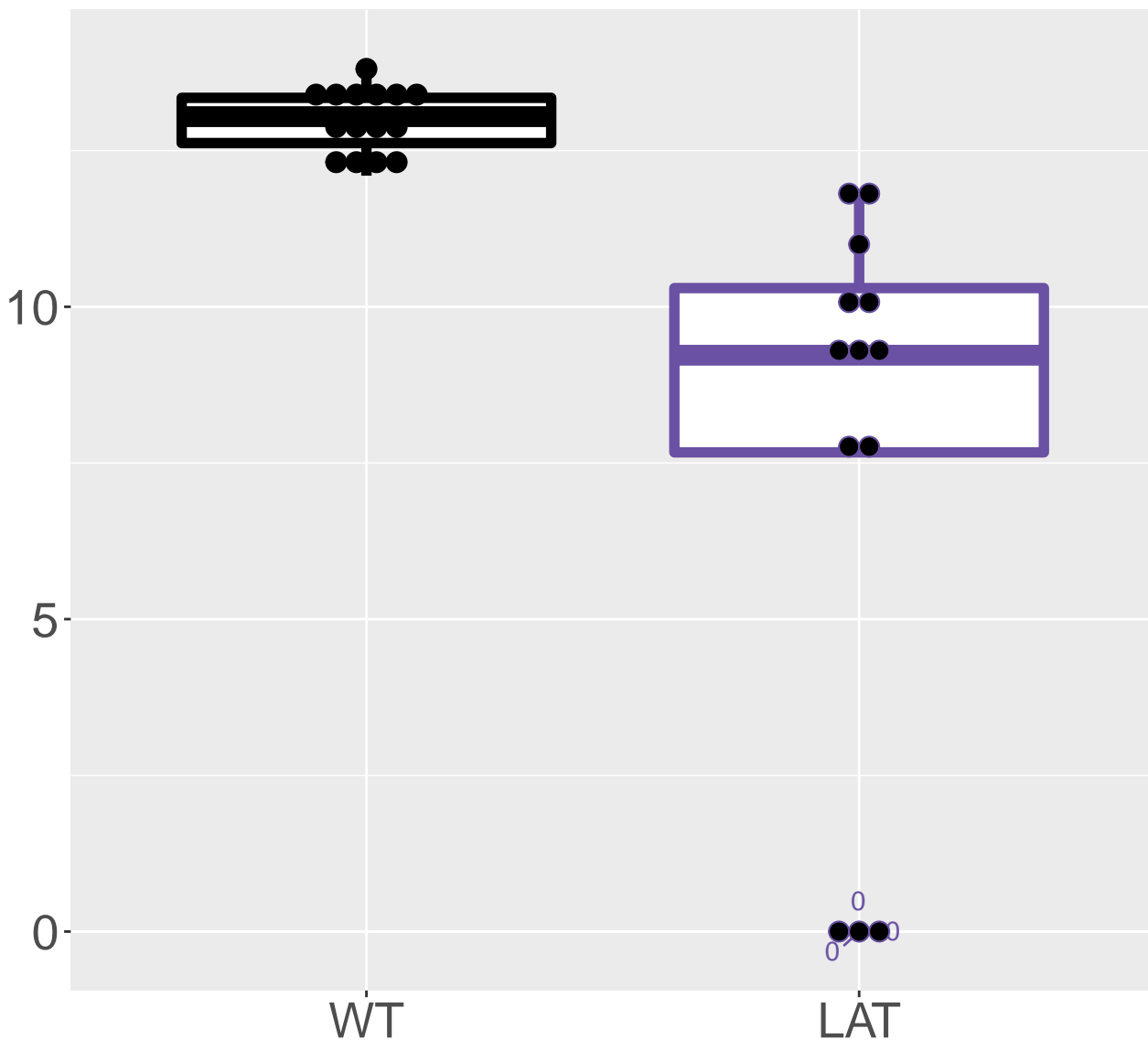
**M252.1642T38.63**

**FDR = 0.00055, FC = -0.37**



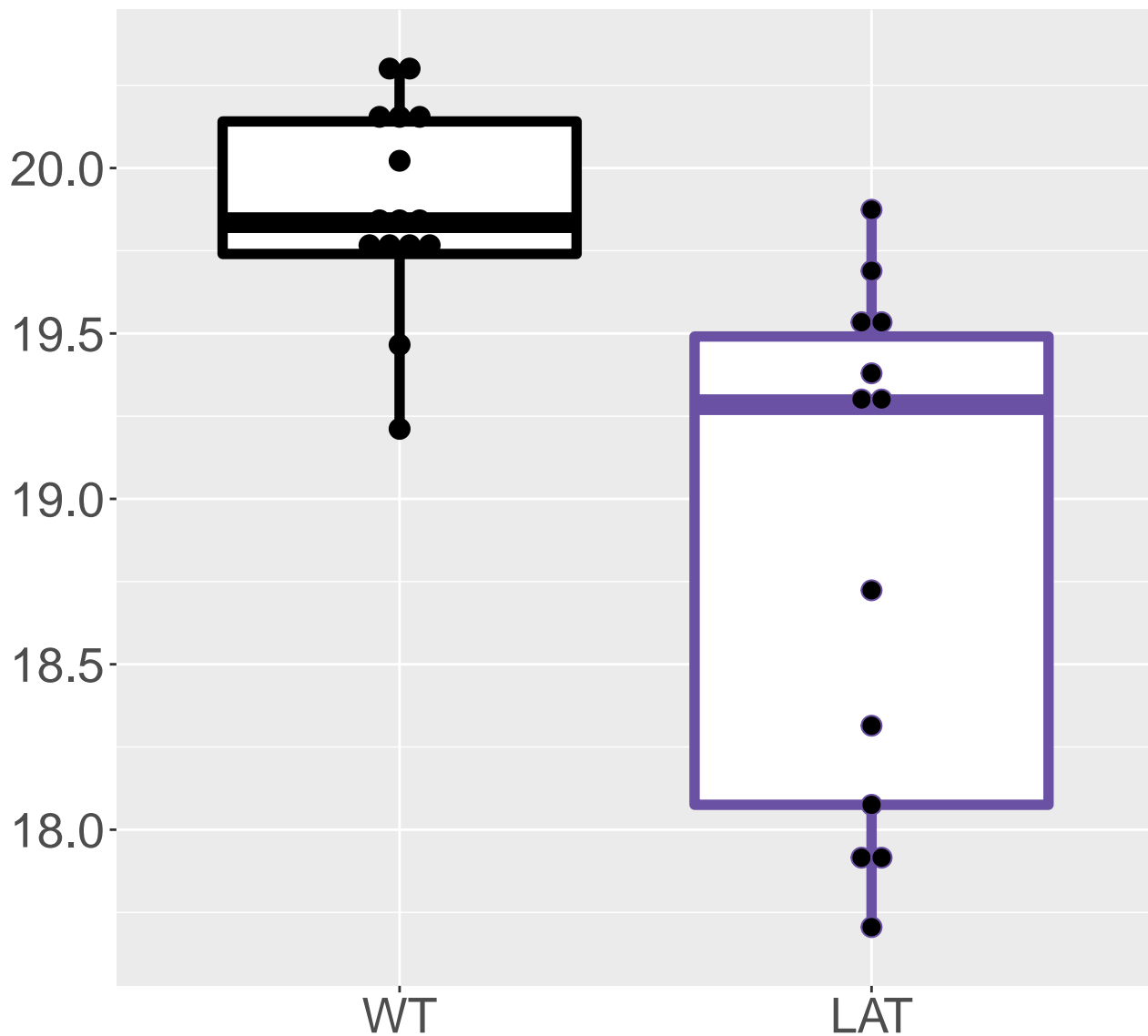
**M545.2328T237.28**

**FDR = 0.00056, FC = -5.5**



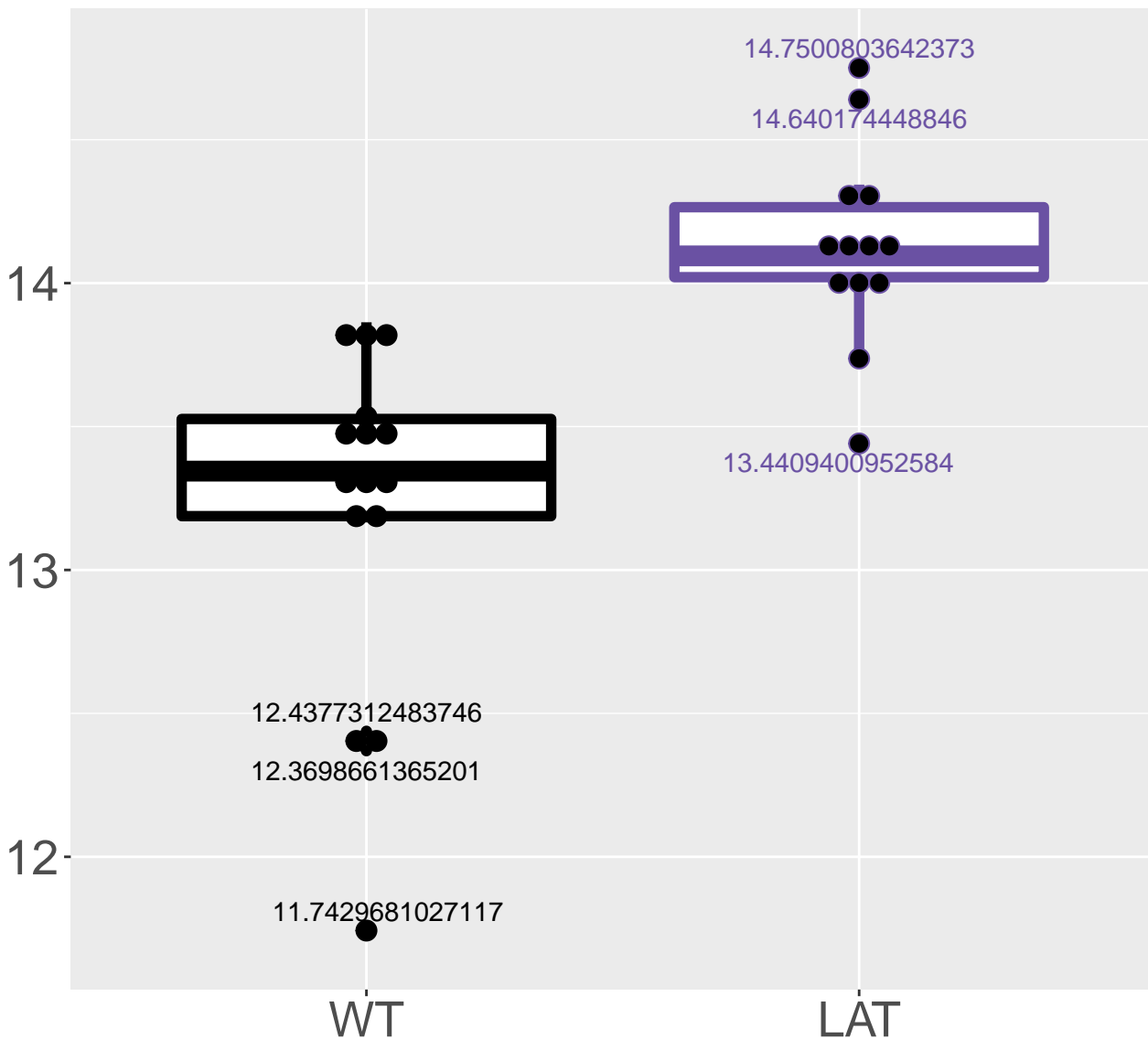
**M254.1259T56.4**

**FDR = 0.00056, FC = -1**



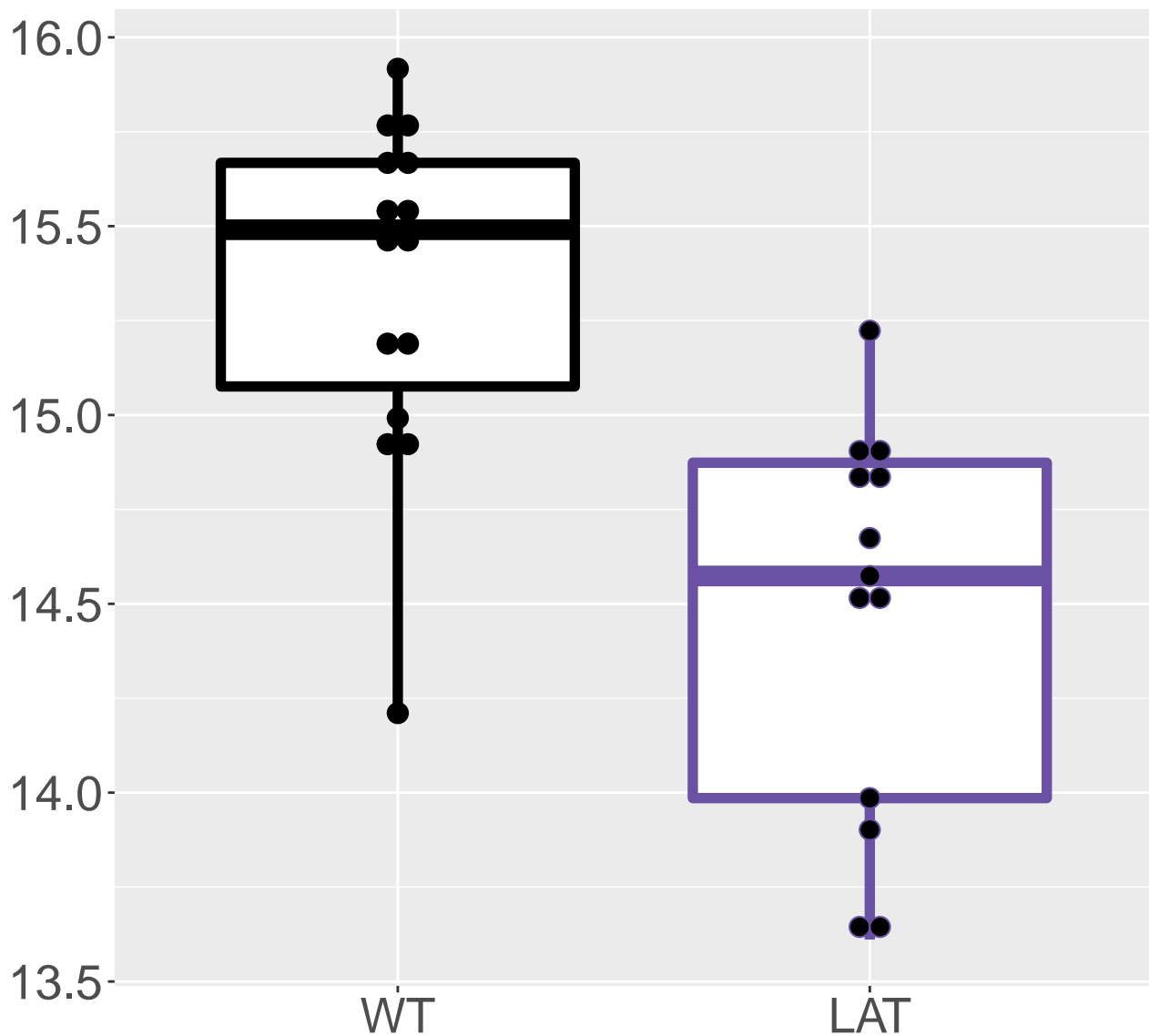
**M552.0949T309.32**

**FDR = 0.00056, FC = 0.92**



**M178.1208T36.29**

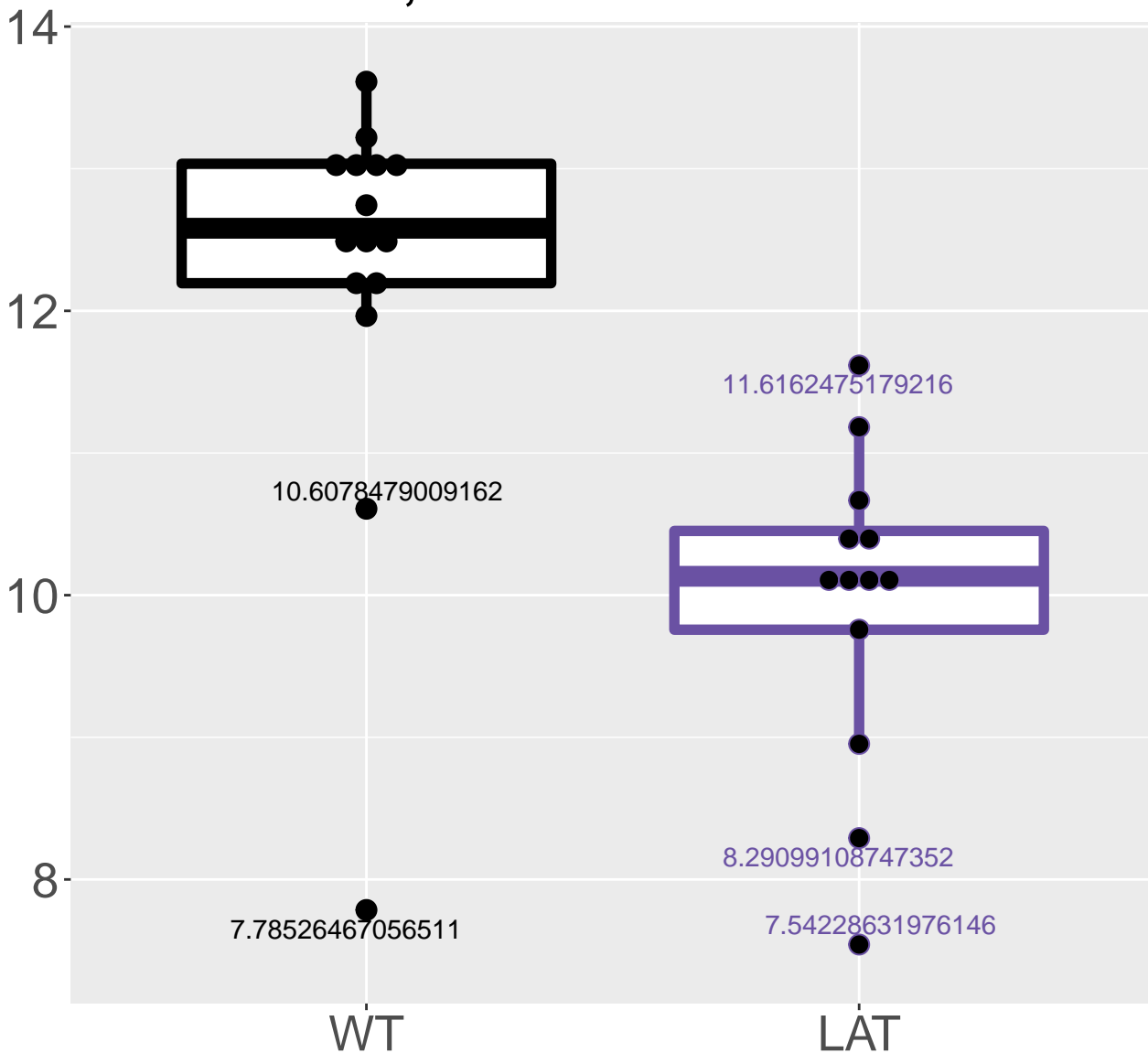
**FDR = 0.00056, FC = -0.87**





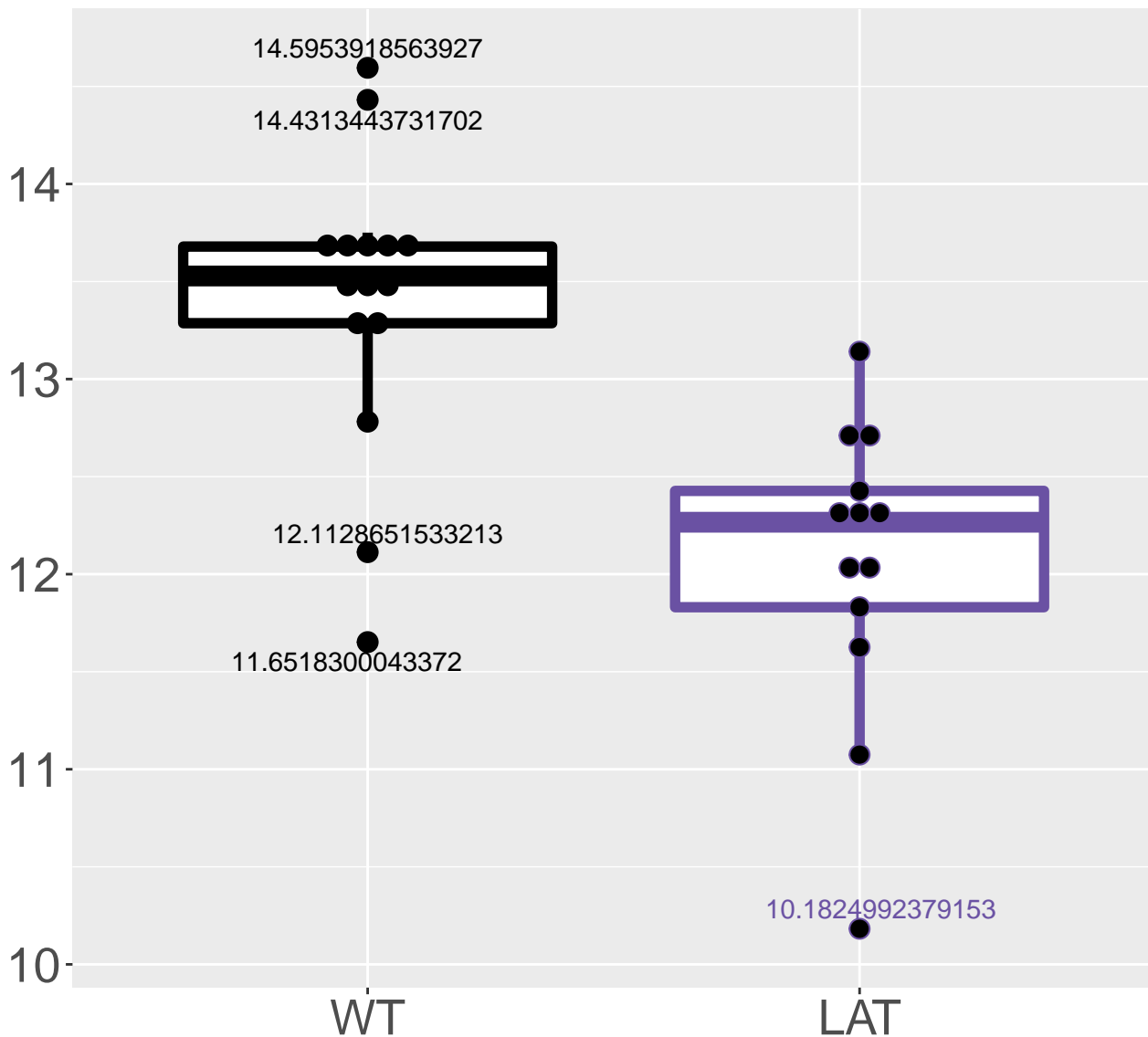
**M502.2532T174.69**

**FDR = 0.00056, FC = -2.3**

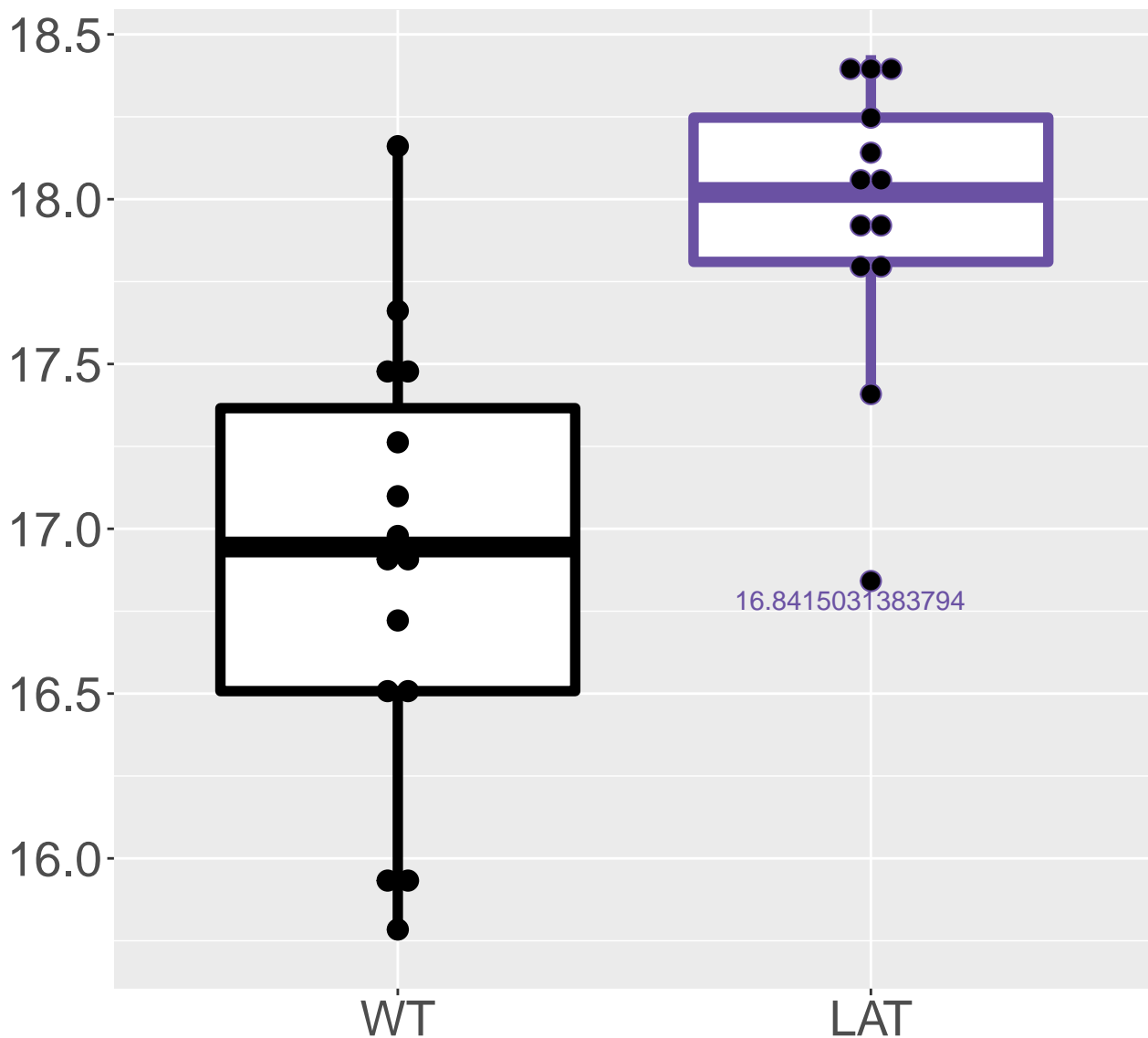


**M390.4868T256.27**

**FDR = 0.00056, FC = -1.3**

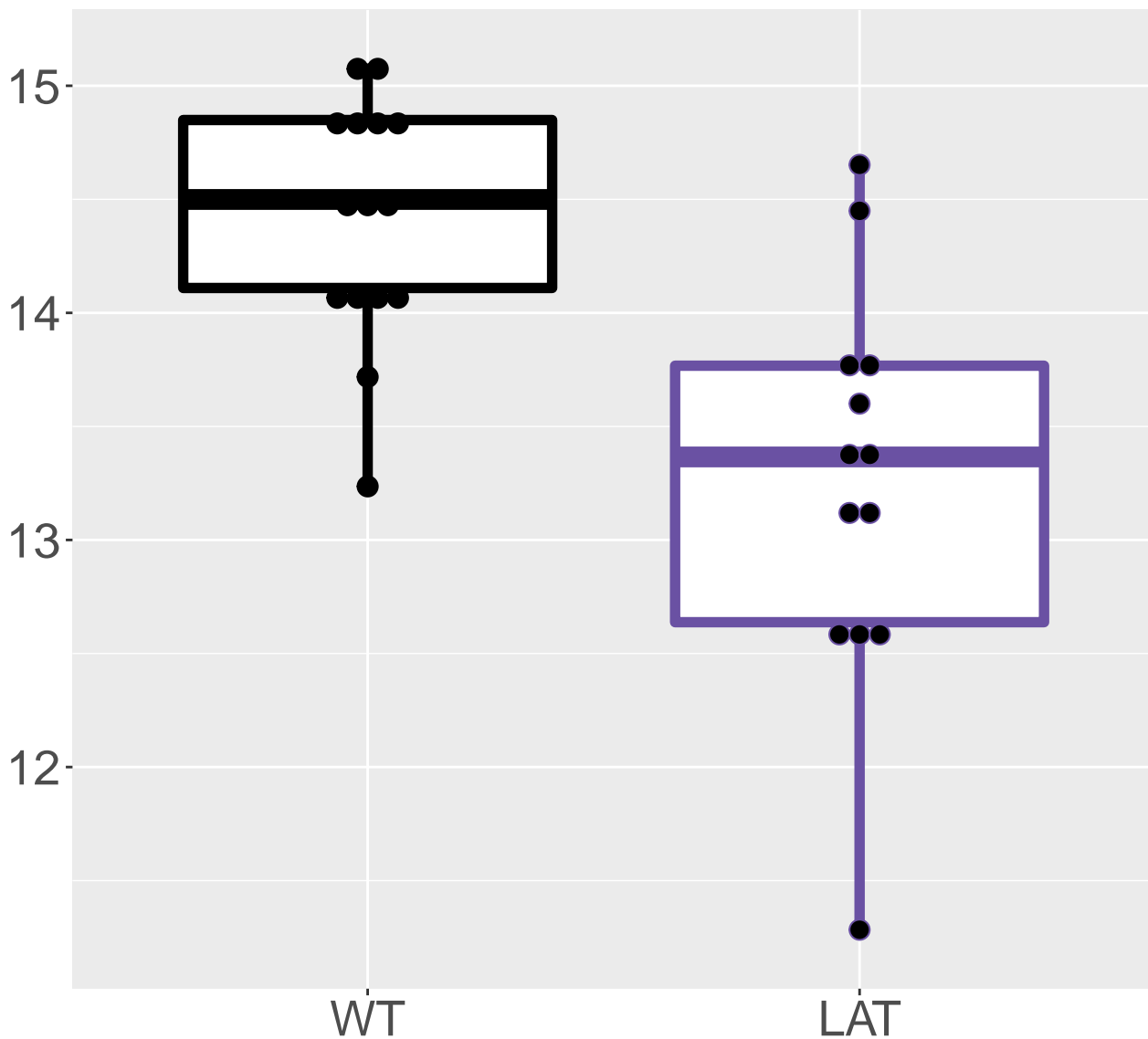


**Adenine**  
**FDR = 0.00056, FC = 1.1**



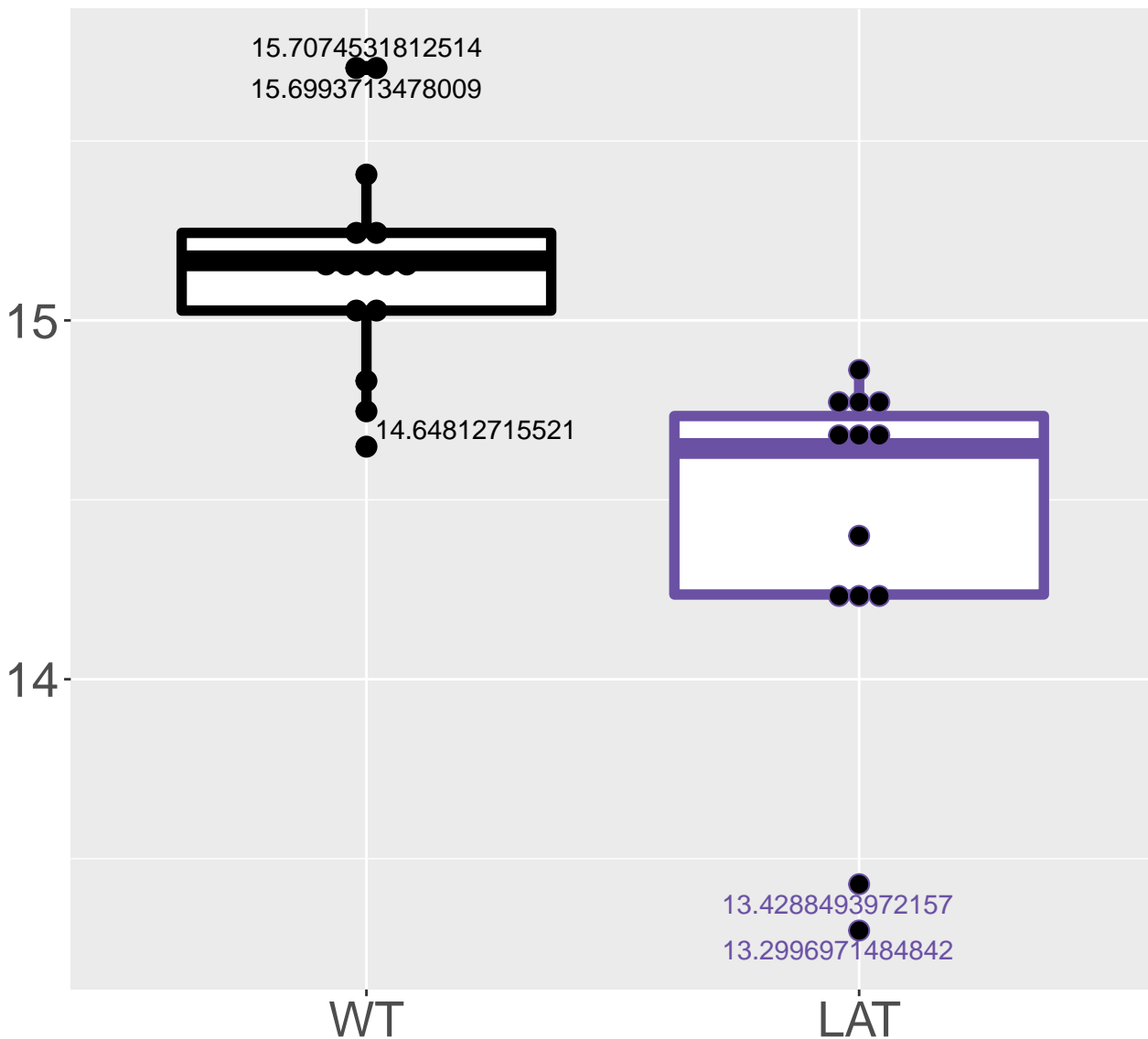
**M327.1733T108.66**

**FDR = 0.00056, FC = -1.2**

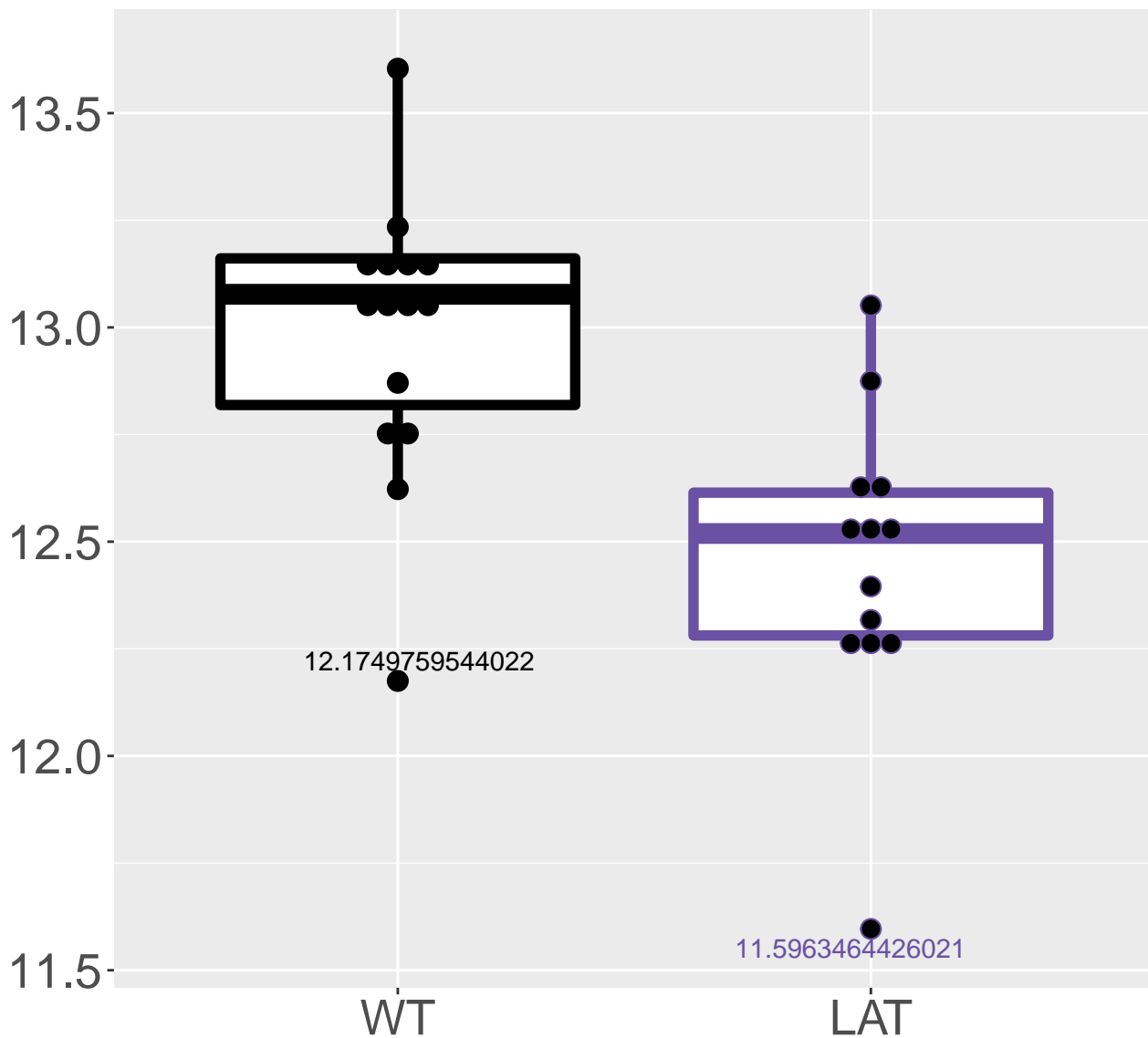


**M682.7092T369.76\_2**

**FDR = 0.00057, FC = -0.77**

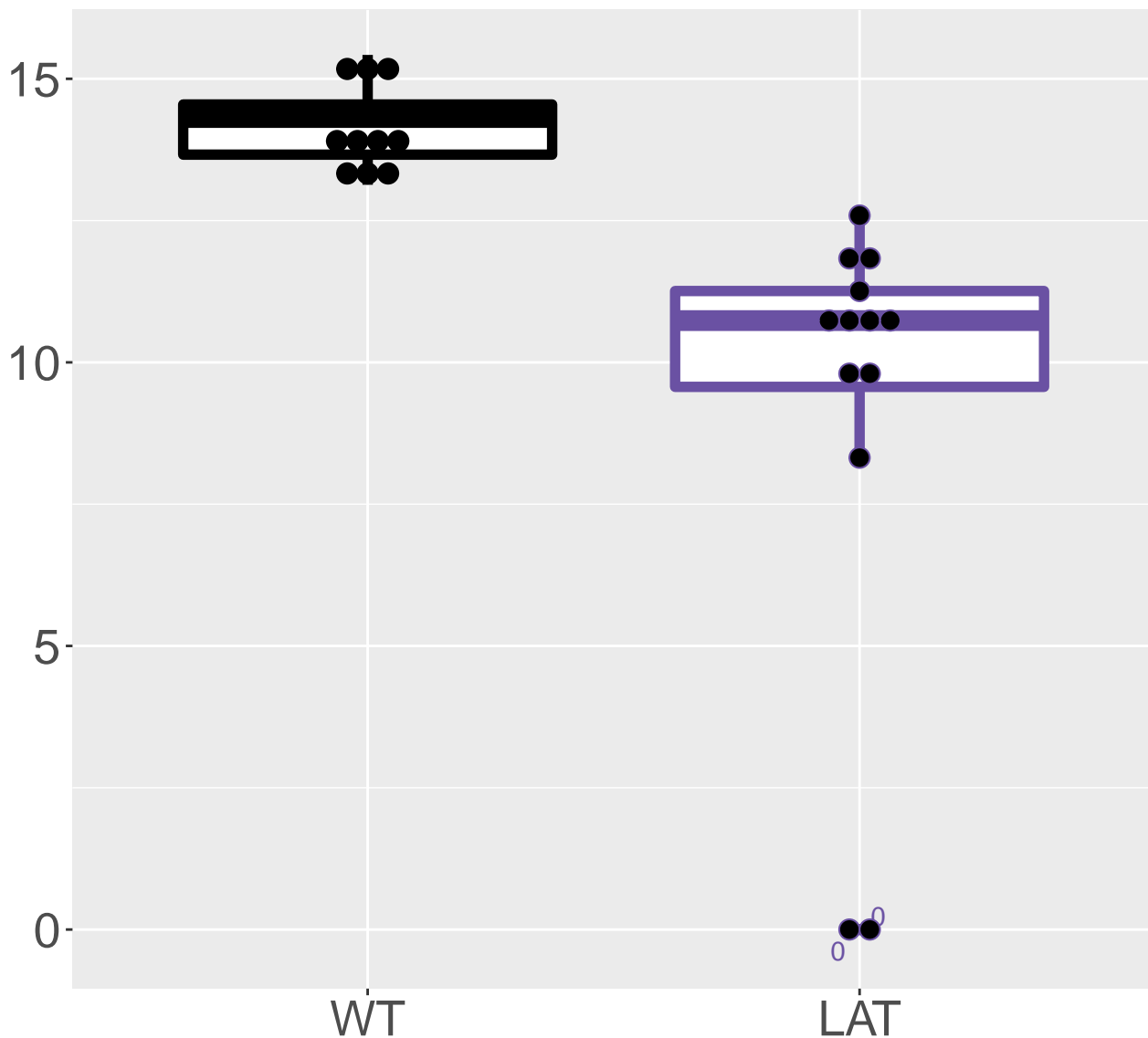


**FDR = 0.00059, FC = -0.54**



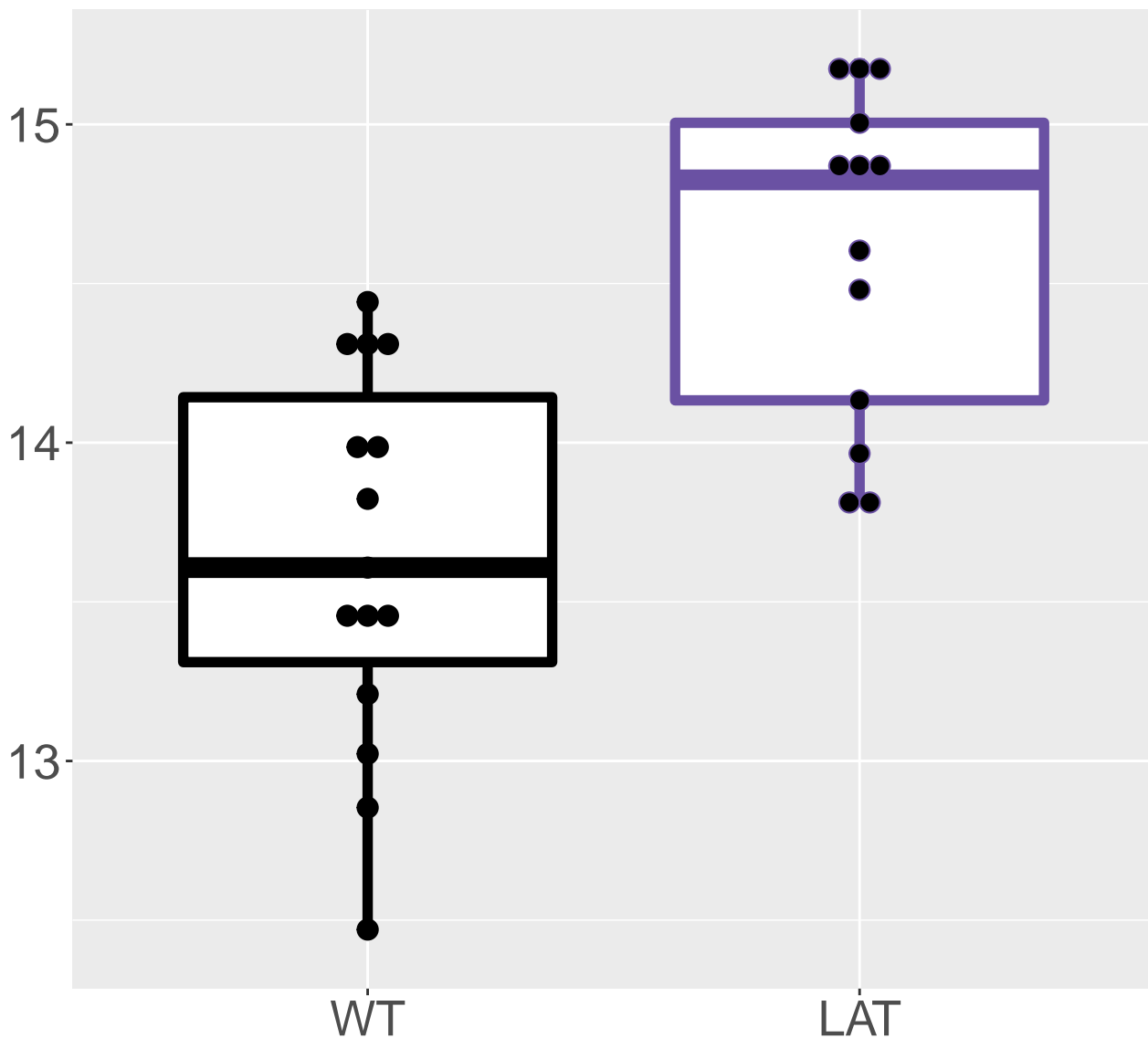
**M602.3616T348.64**

**FDR = 0.00062, FC = -5.1**



**M398.1741T389.52**

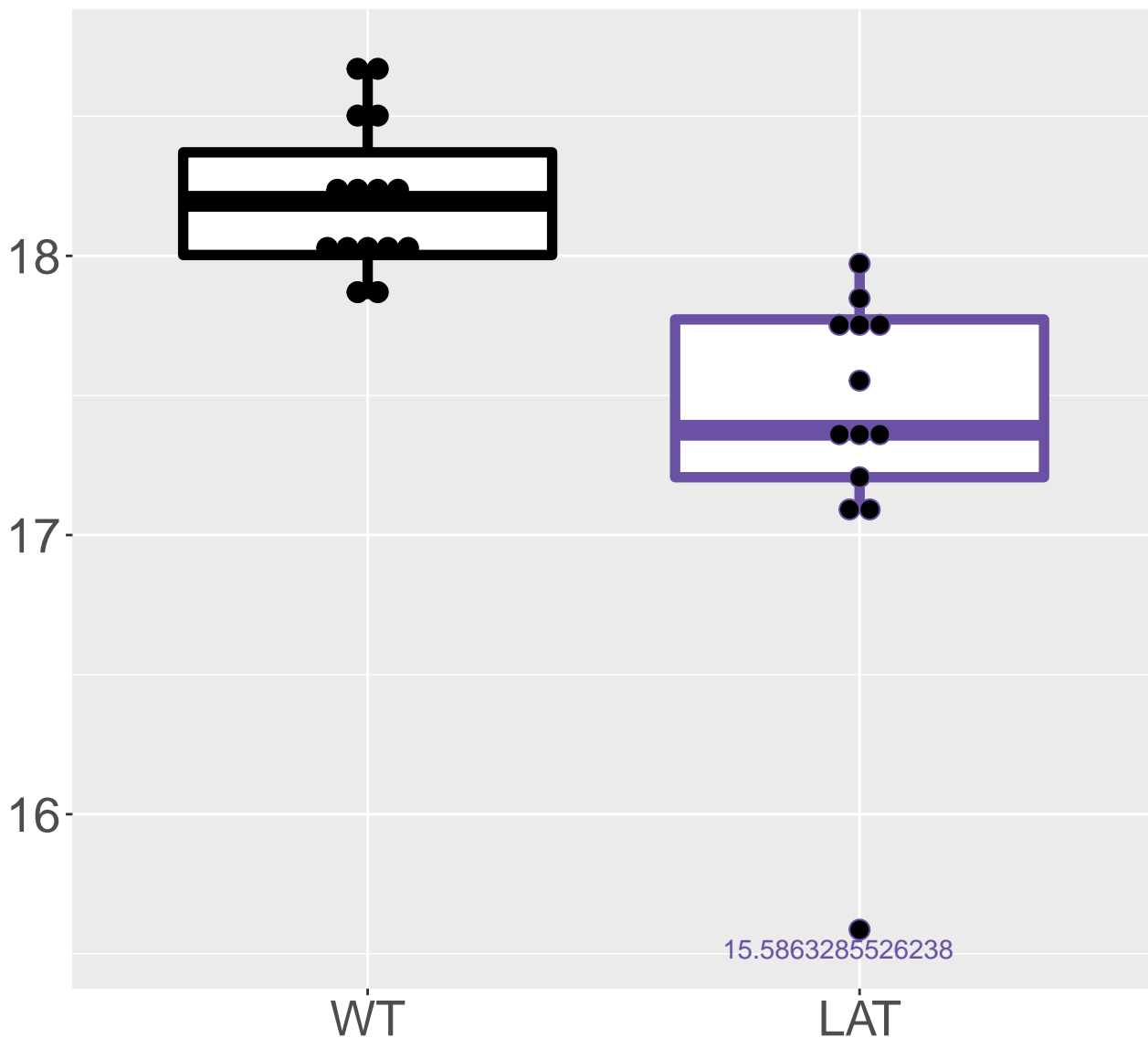
**FDR = 0.00062, FC = 0.96**





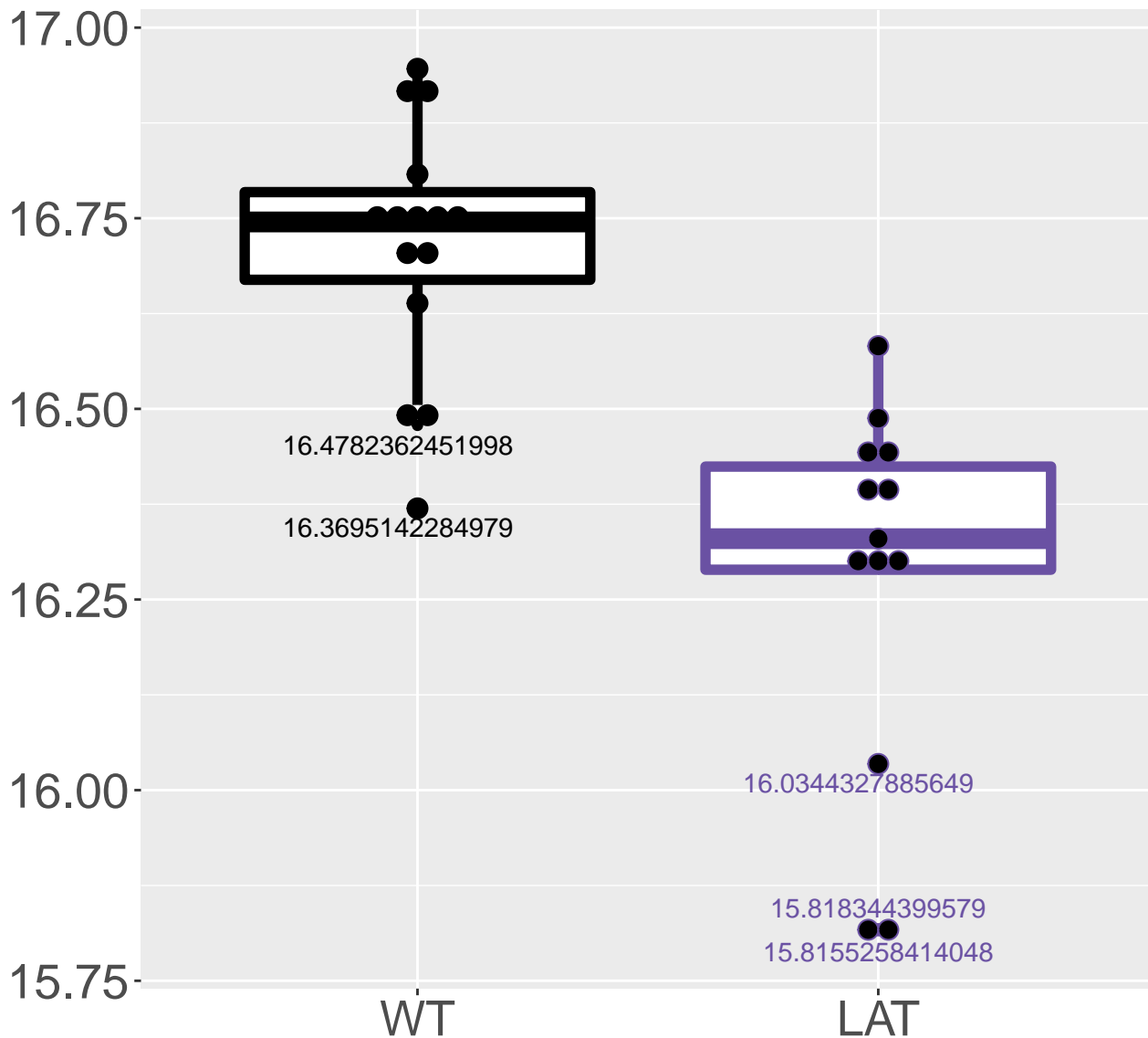
**M134.3426T75.26\_12**

**FDR = 0.00063, FC = -0.85**

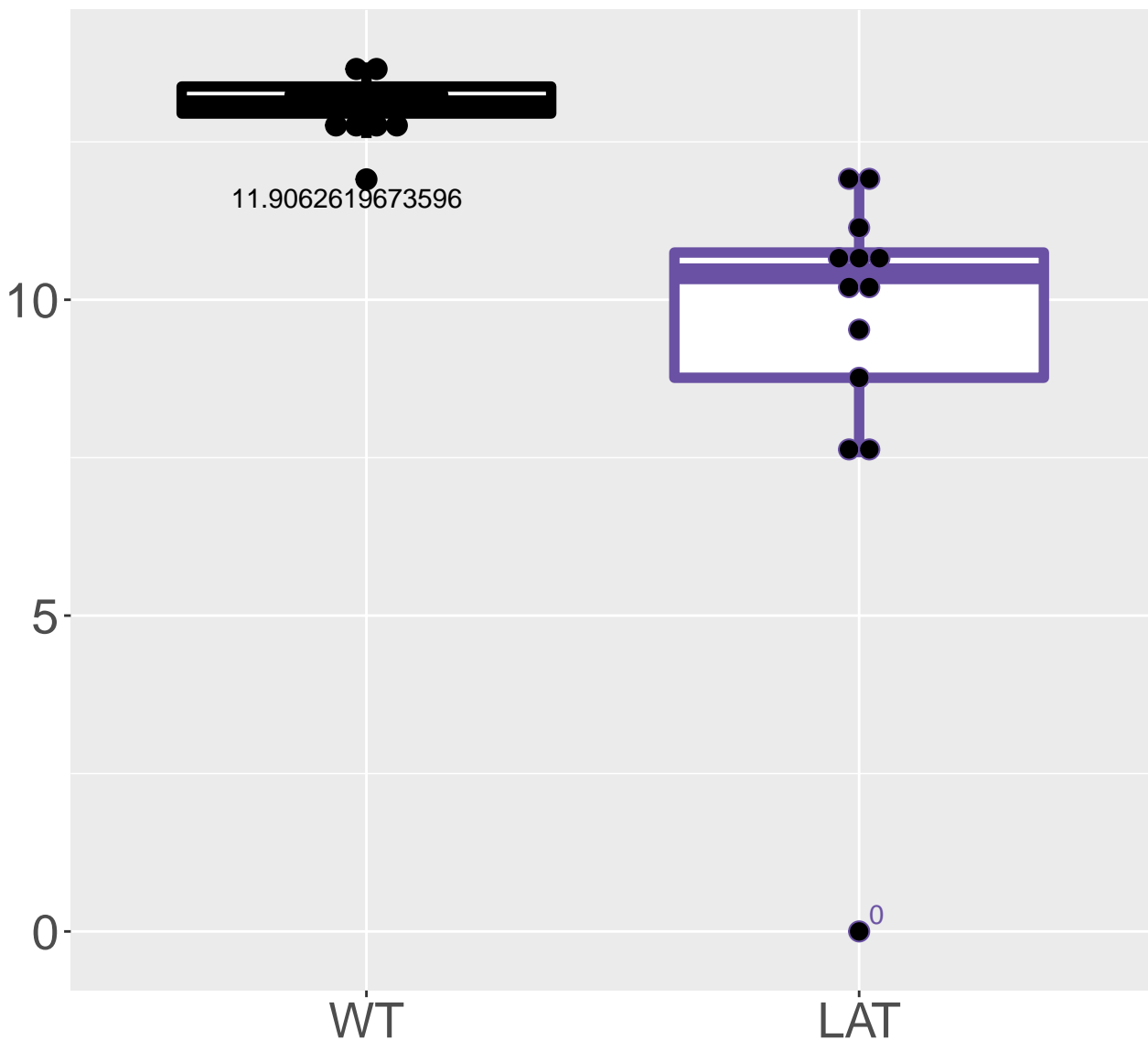


**M232.669T113.22**

**FDR = 0.00063, FC = -0.44**

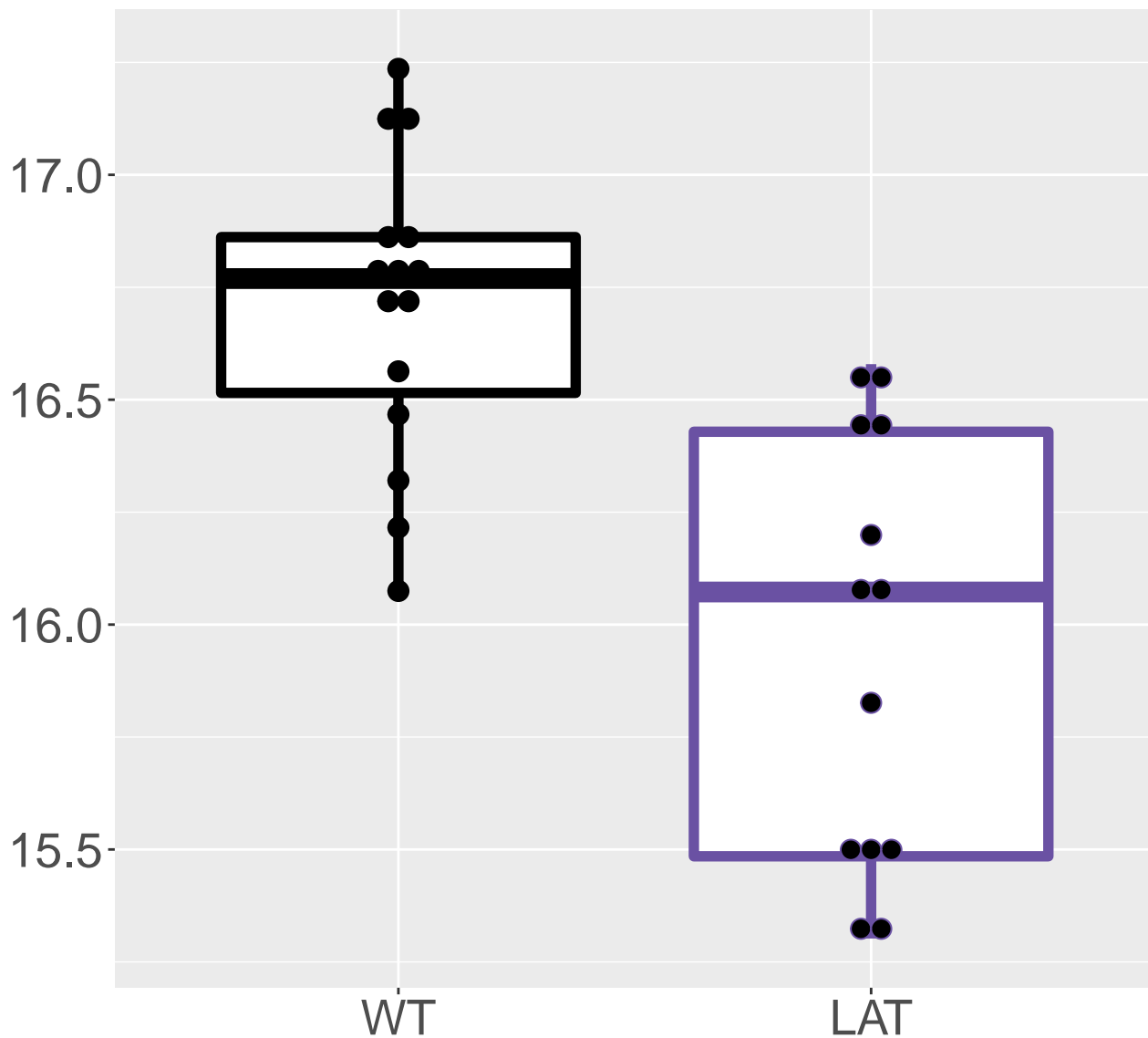


**FDR = 0.00064, FC = -3.8**



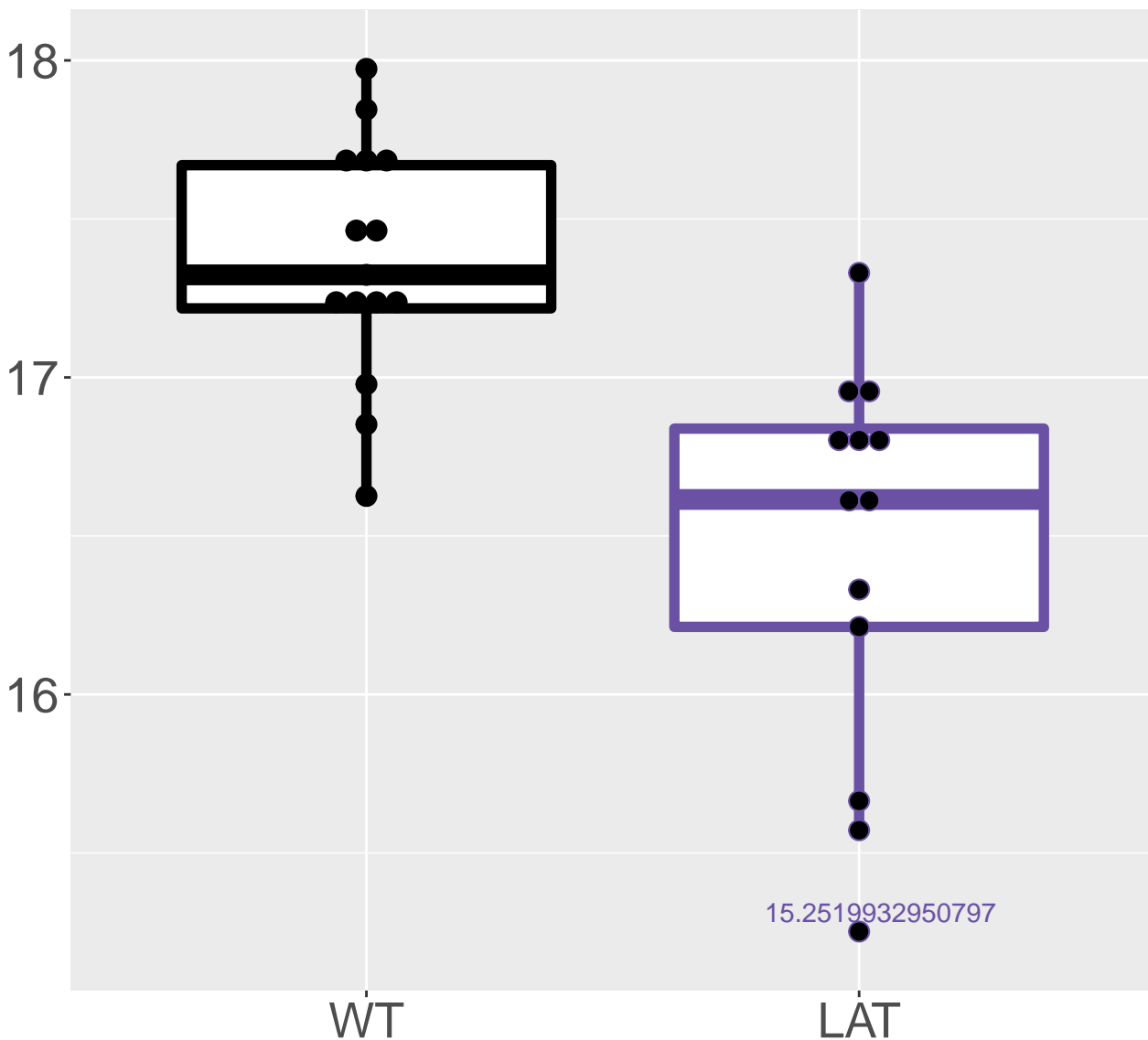
**M127.9224T75.46\_23**

**FDR = 0.00065, FC = -0.76**

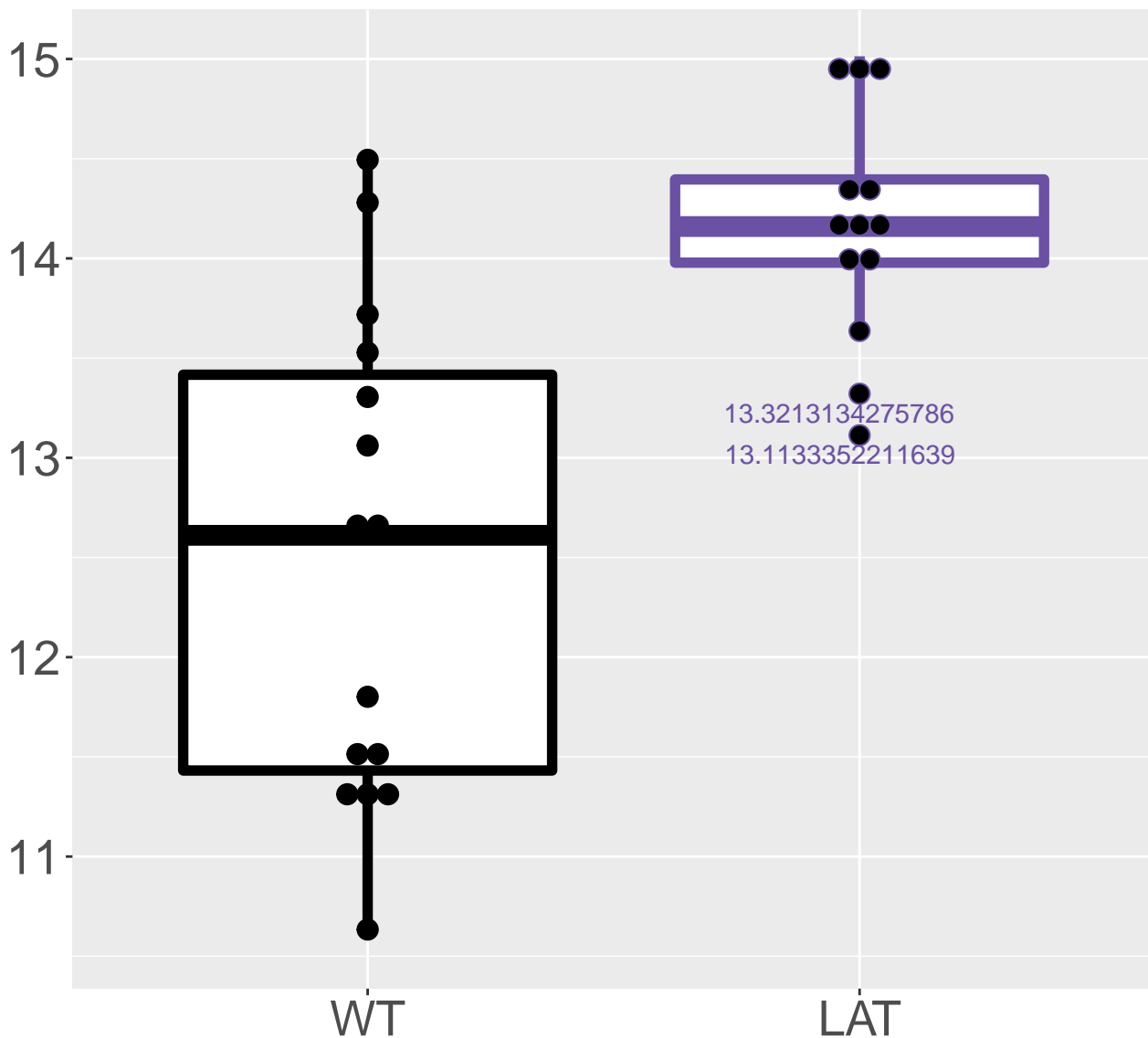


**M130.4636T75.38\_54**

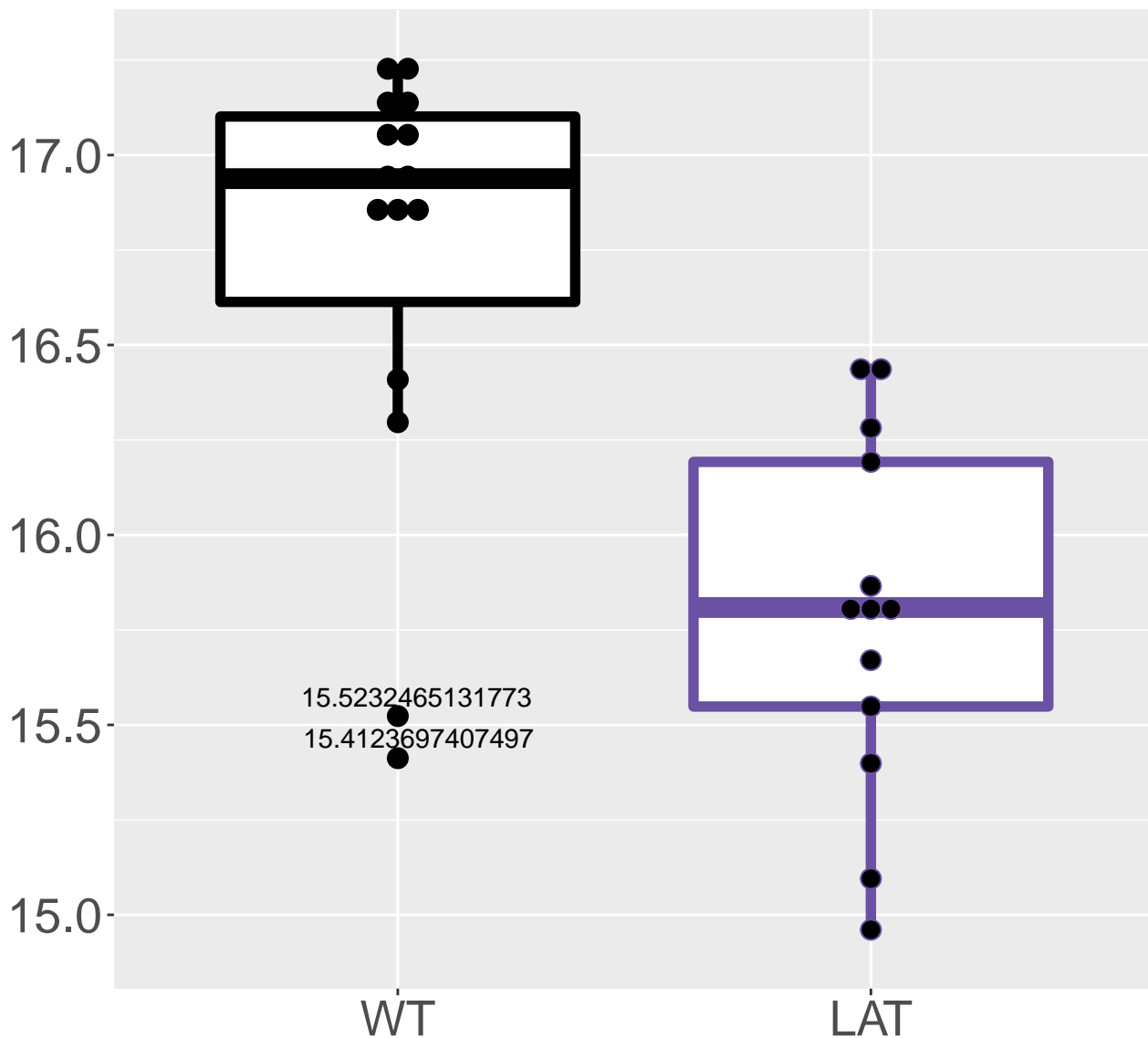
**FDR = 0.00065, FC = -0.92**



**M226.0834T95.64**  
**FDR = 0.00066, FC = 1.7**

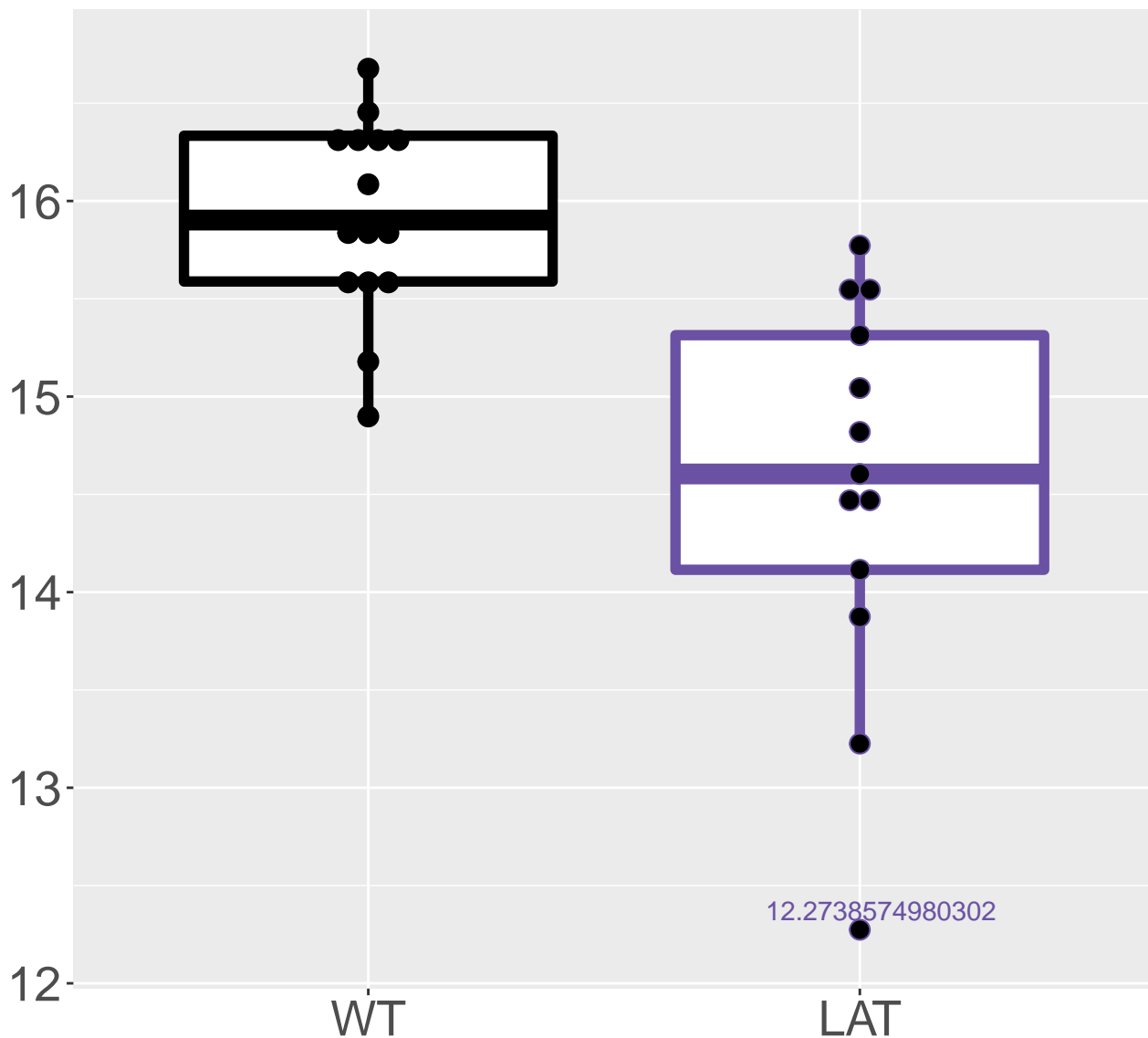


**FDR = 0.00066,  $\overline{FC} = -0.94$**



**M125.6311T75.64\_6**

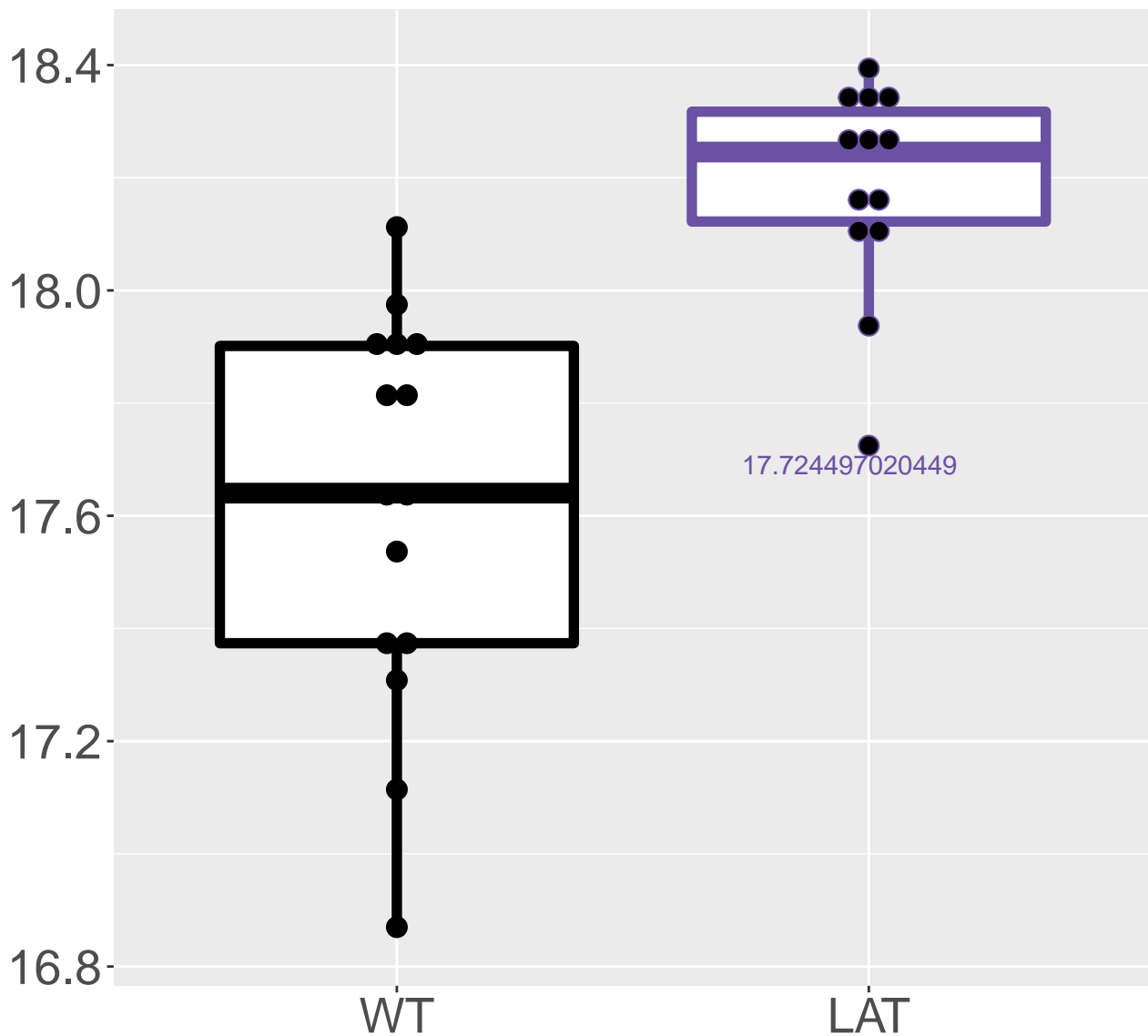
**FDR = 0.00067, FC = -1.4**



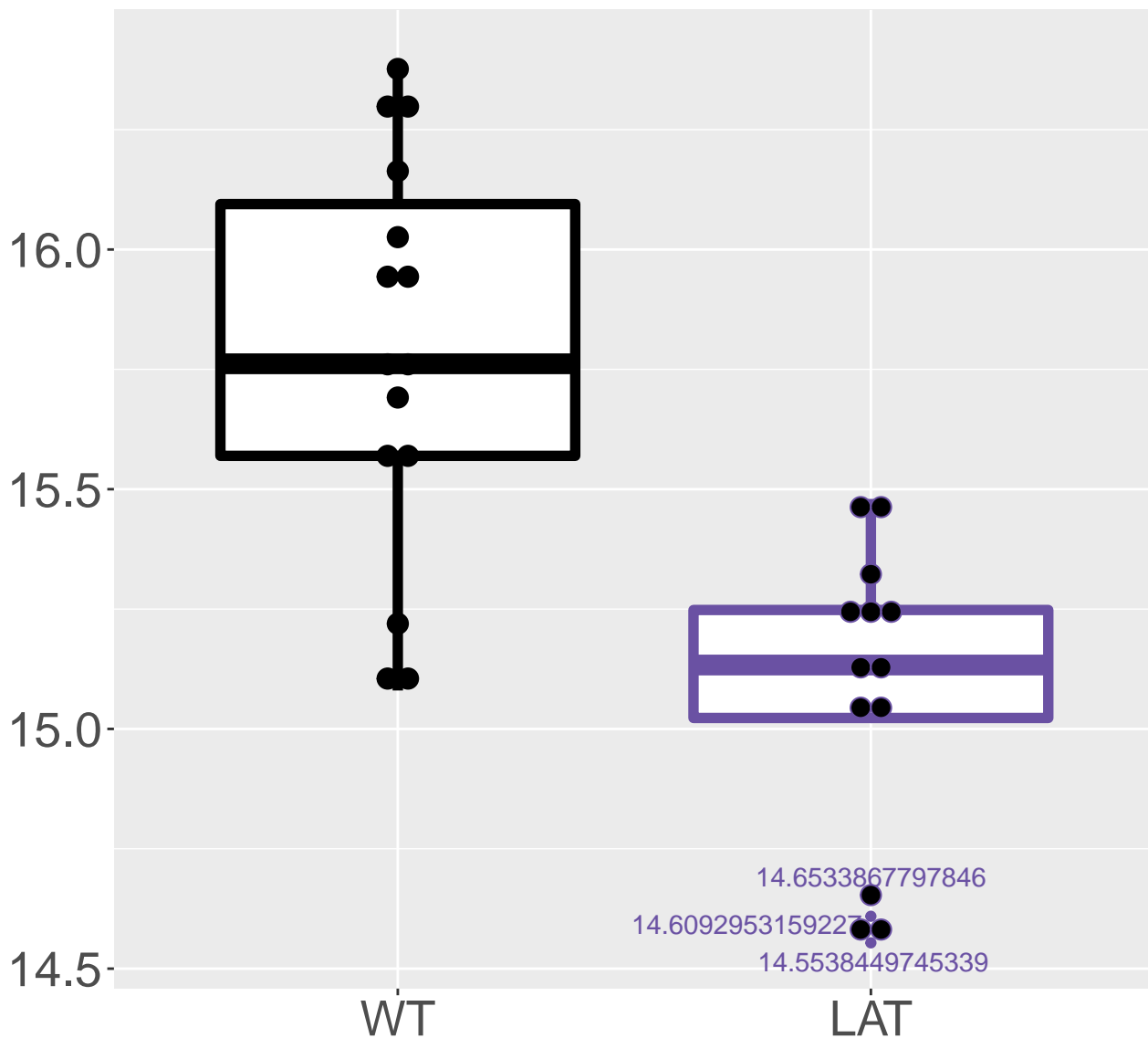


**M410.5716T246.87\_1**

**FDR = 0.00068, FC = 0.57**

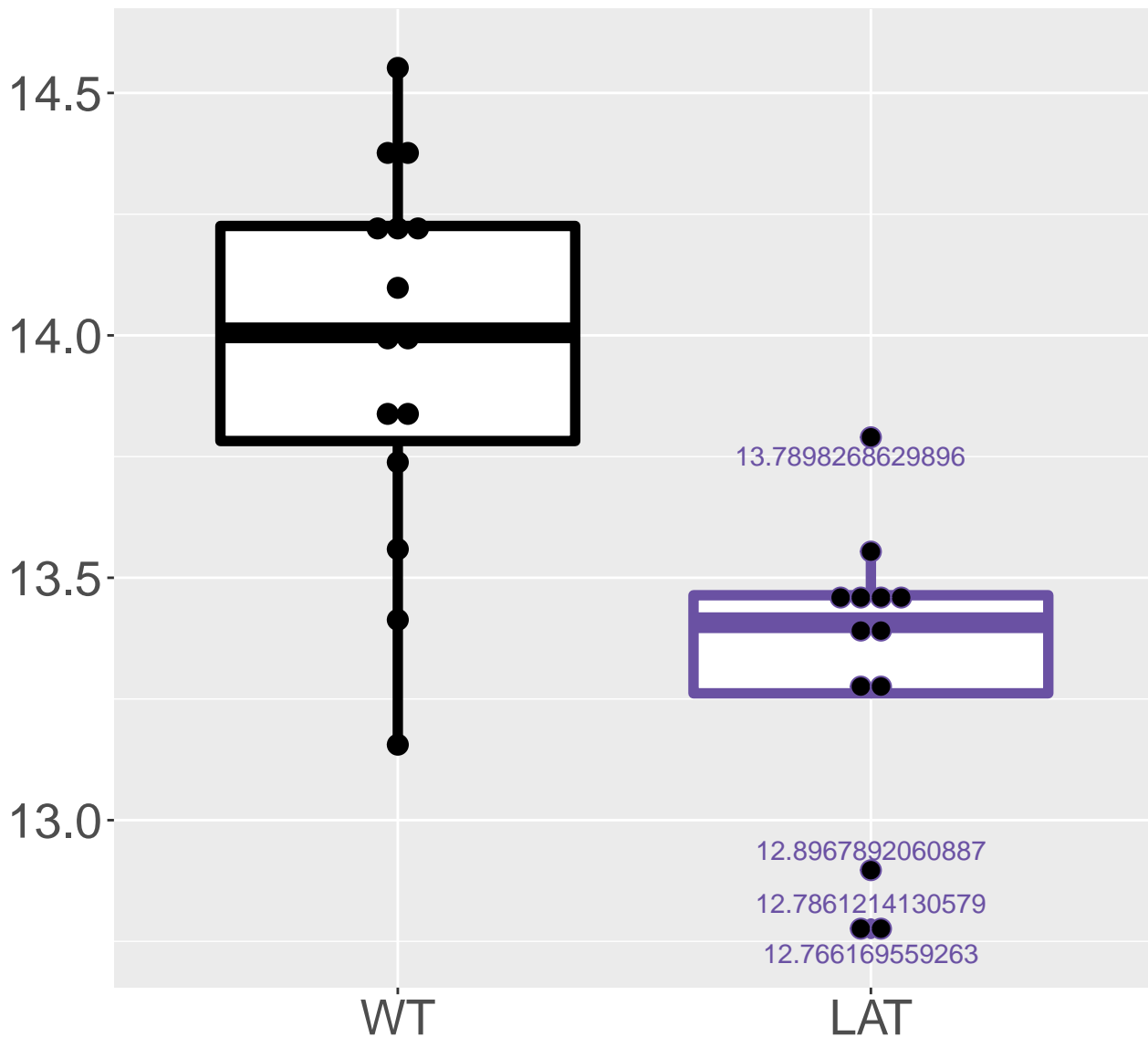


**FDR = 0.00069,  $\overline{FC} = -0.7$**

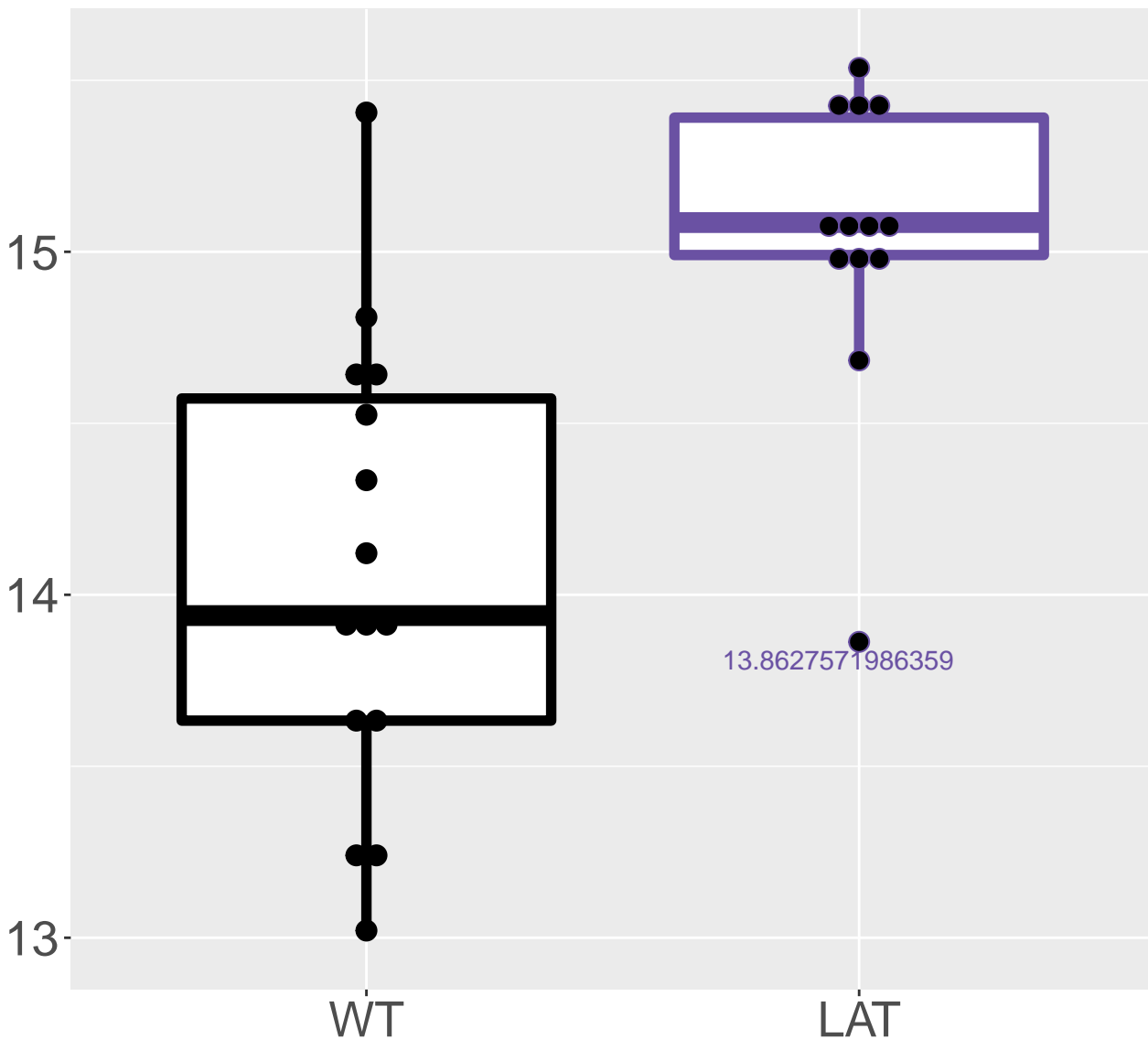


**M692.6567T296.61\_1**

**FDR = 0.00069, FC = -0.67**

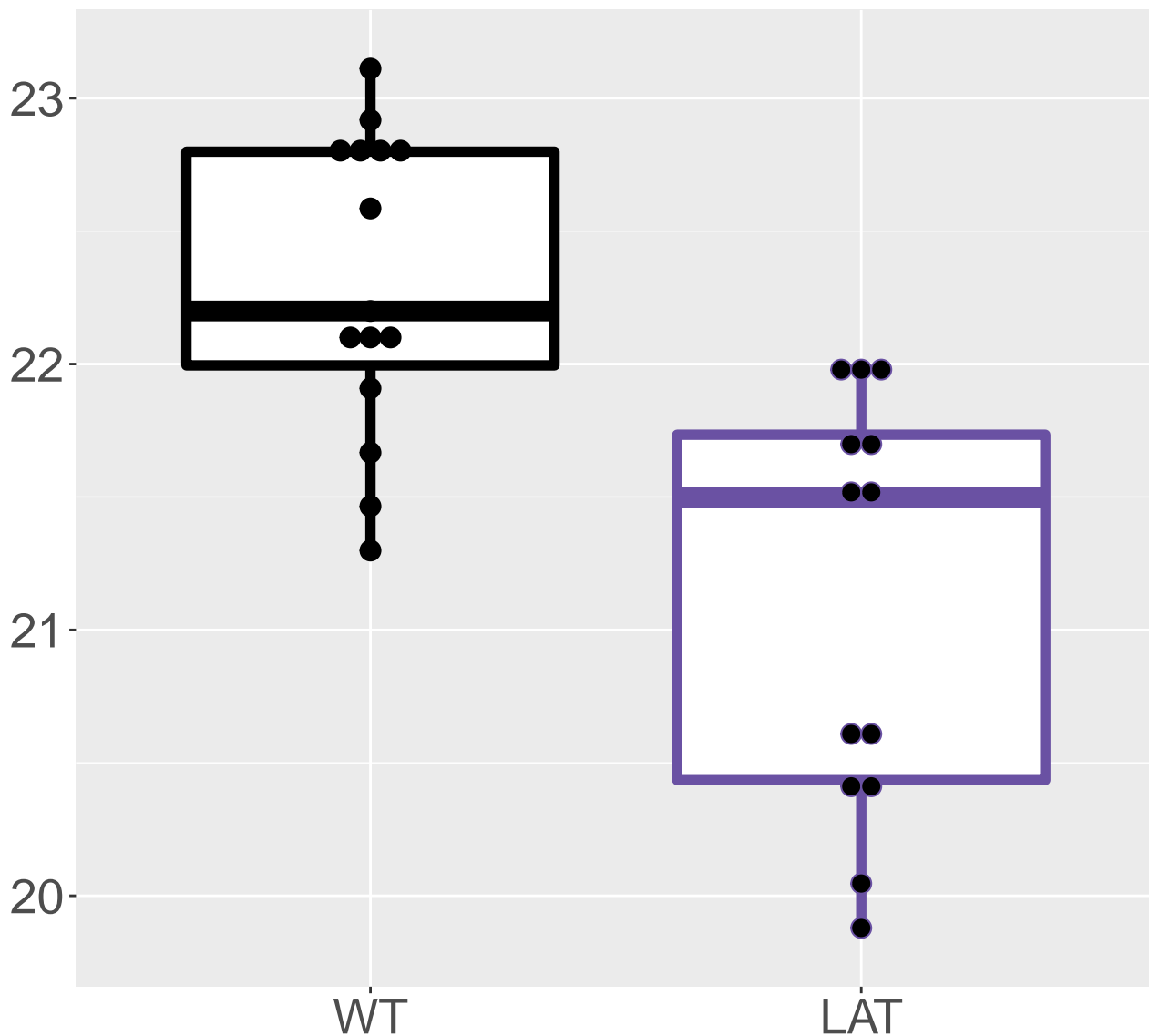


**M437.2215T101.38**  
**FDR = 7e-04, FC = 0.98**



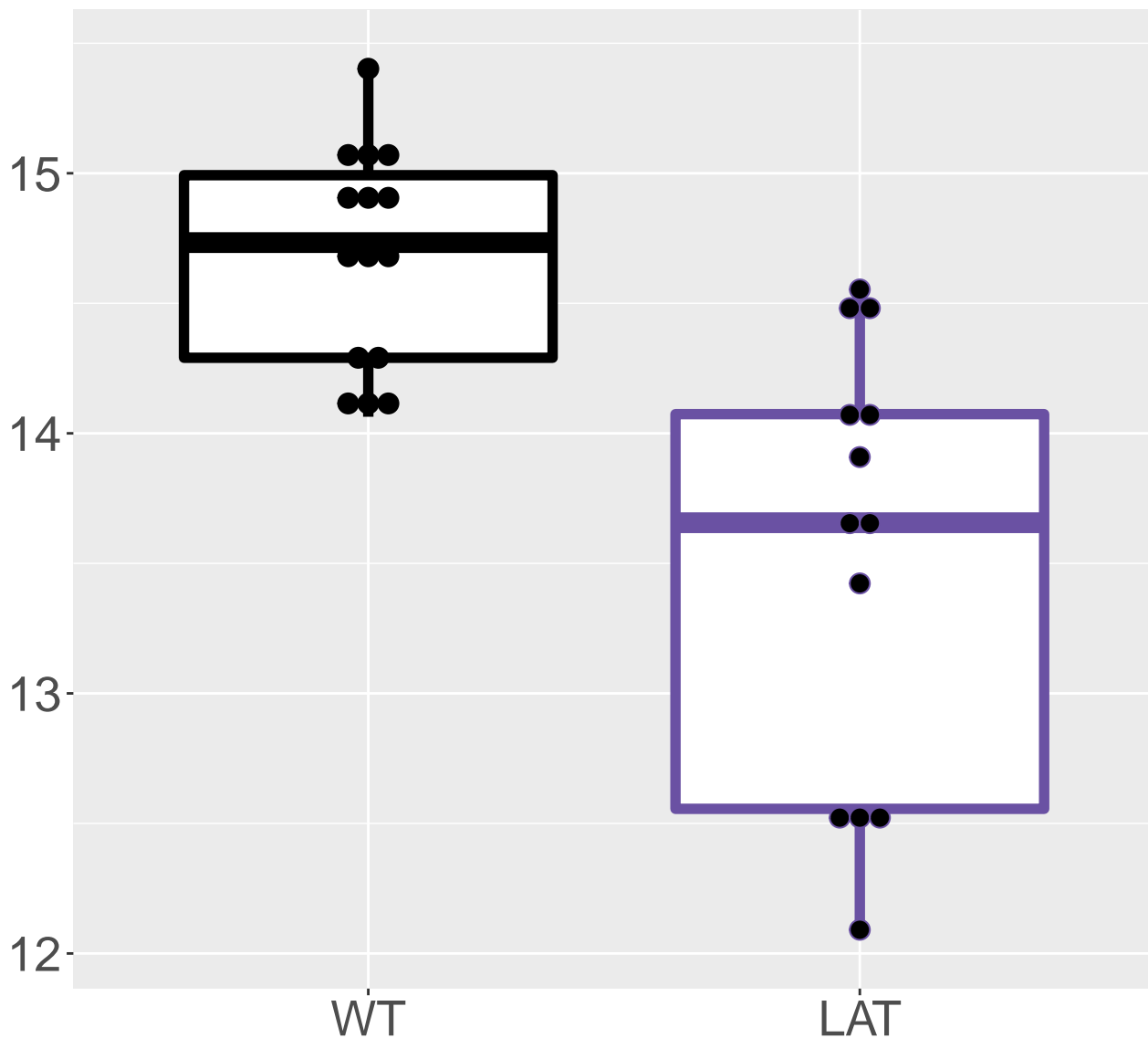
**M300.0856T80.06**

**FDR = 0.00072, FC = -1.2**



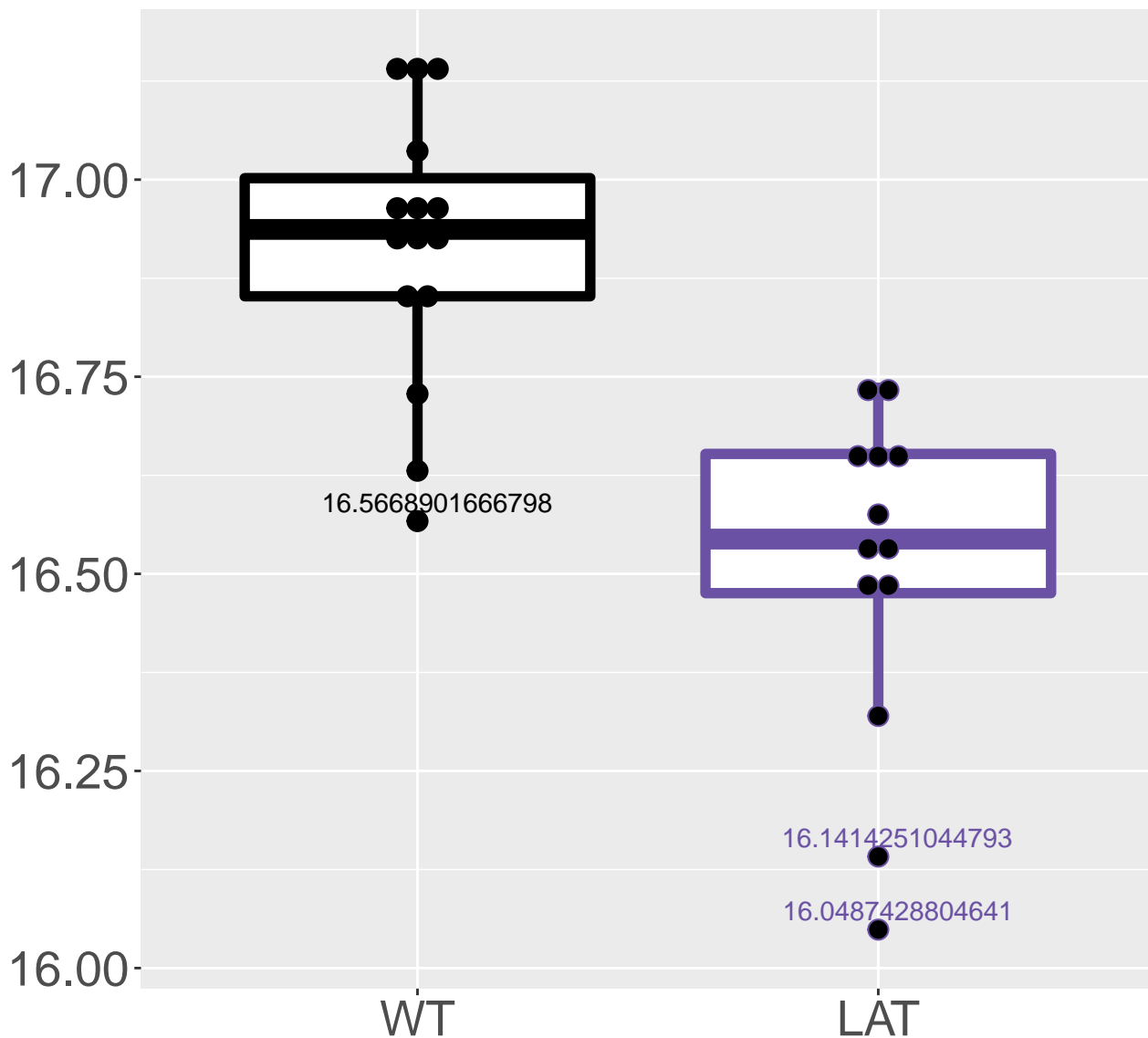
**M472.2928T294.53**

**FDR = 0.00072, FC = -1.2**

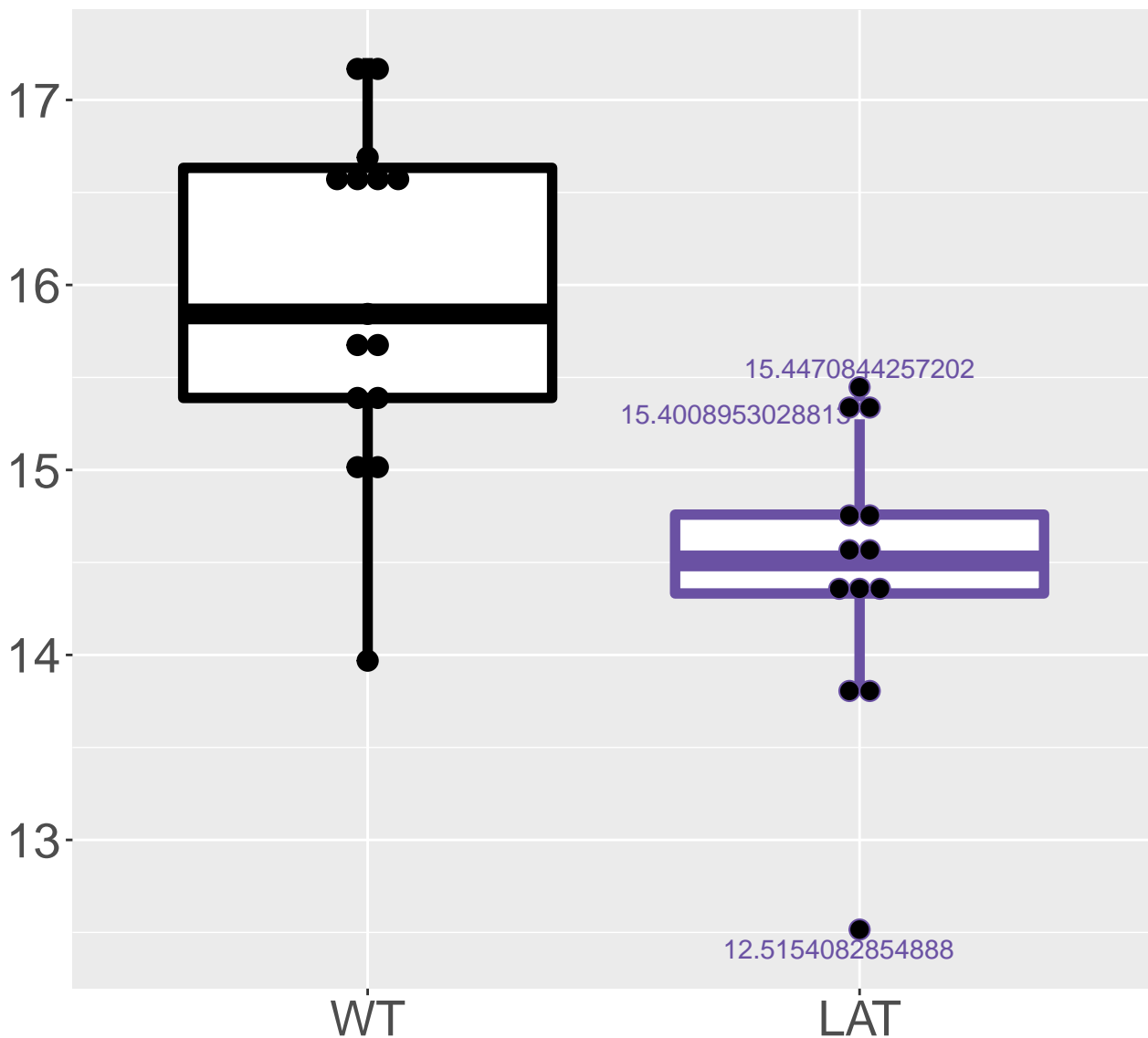


**M205.9213T113.16**

**FDR = 0.00072, FC = -0.41**



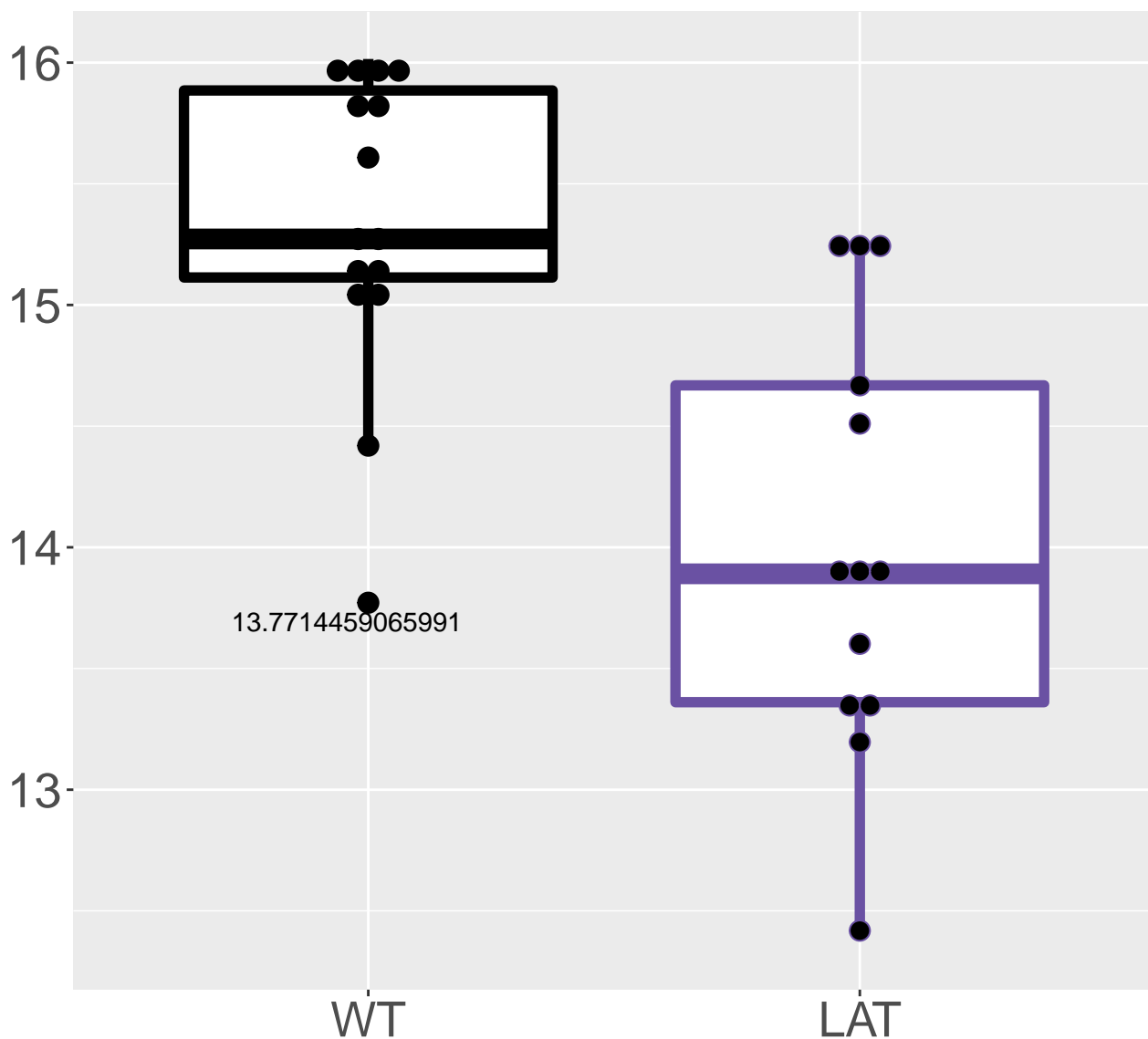
**M454.0032T230.33\_1**  
**FDR = 0.00074, FC = -1.5**





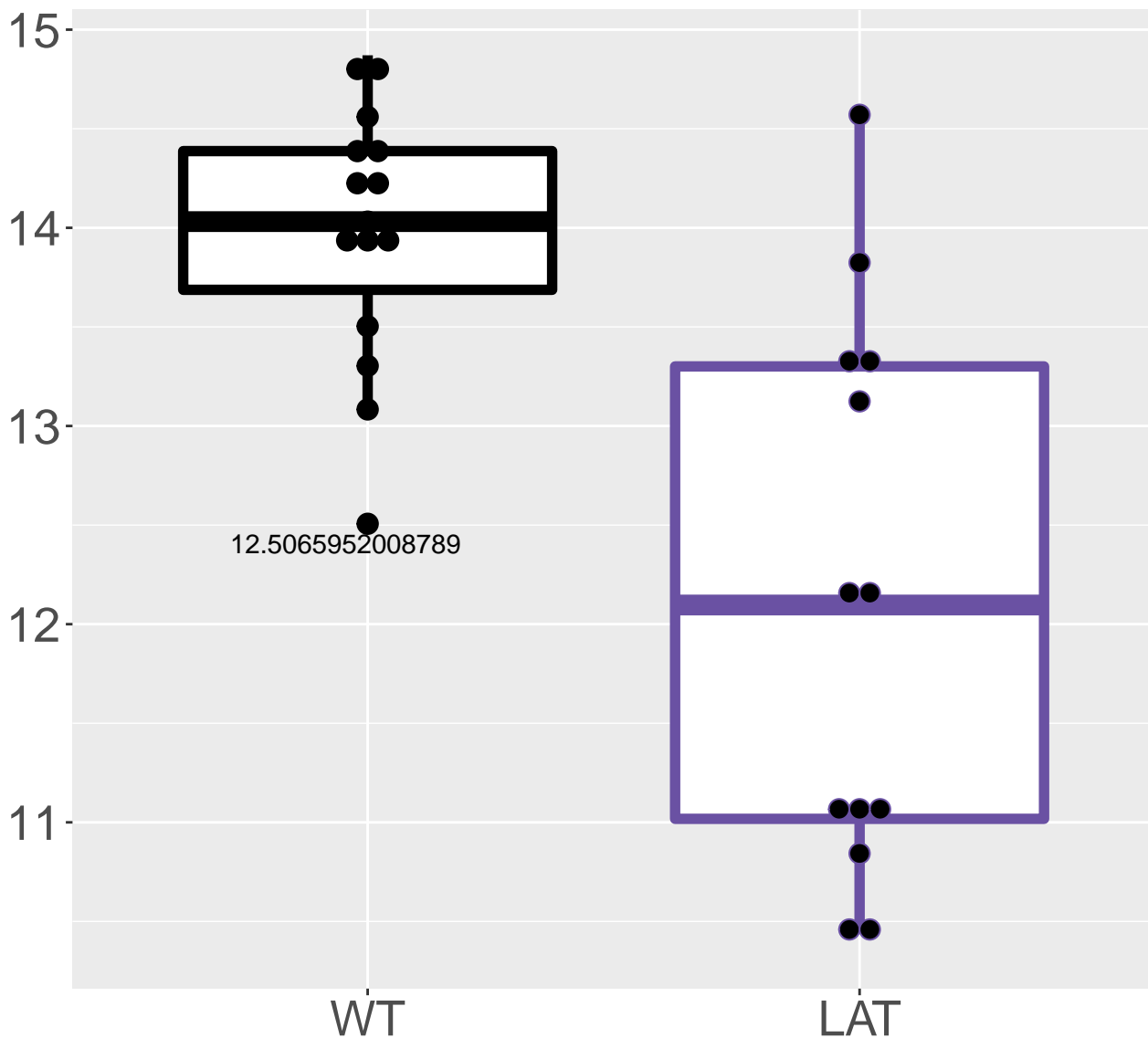
**M868.2446T46.53**

**FDR = 0.00074, FC = -1.3**



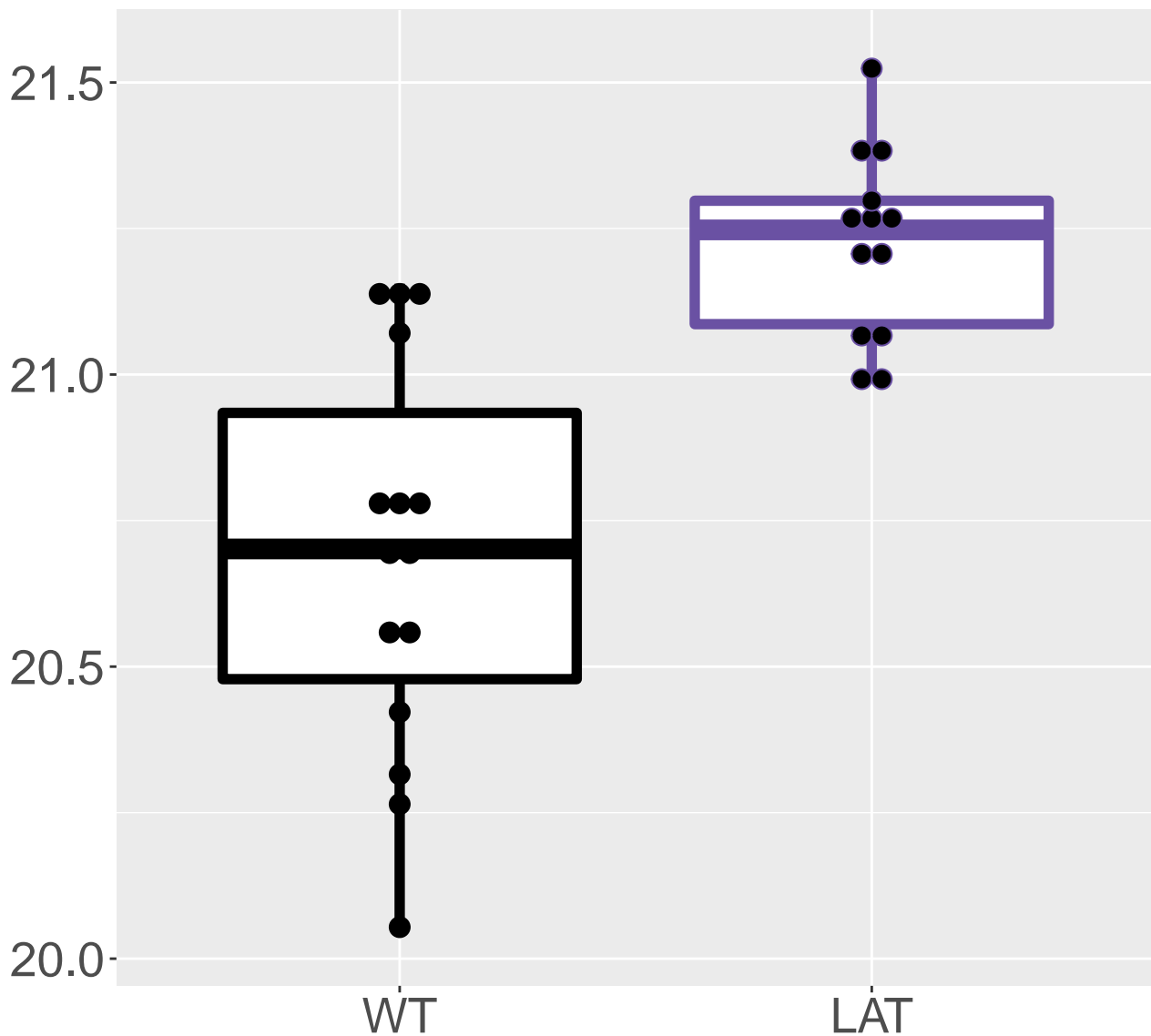
**M293.1609T225.52**

**FDR = 0.00075, FC = -1.9**



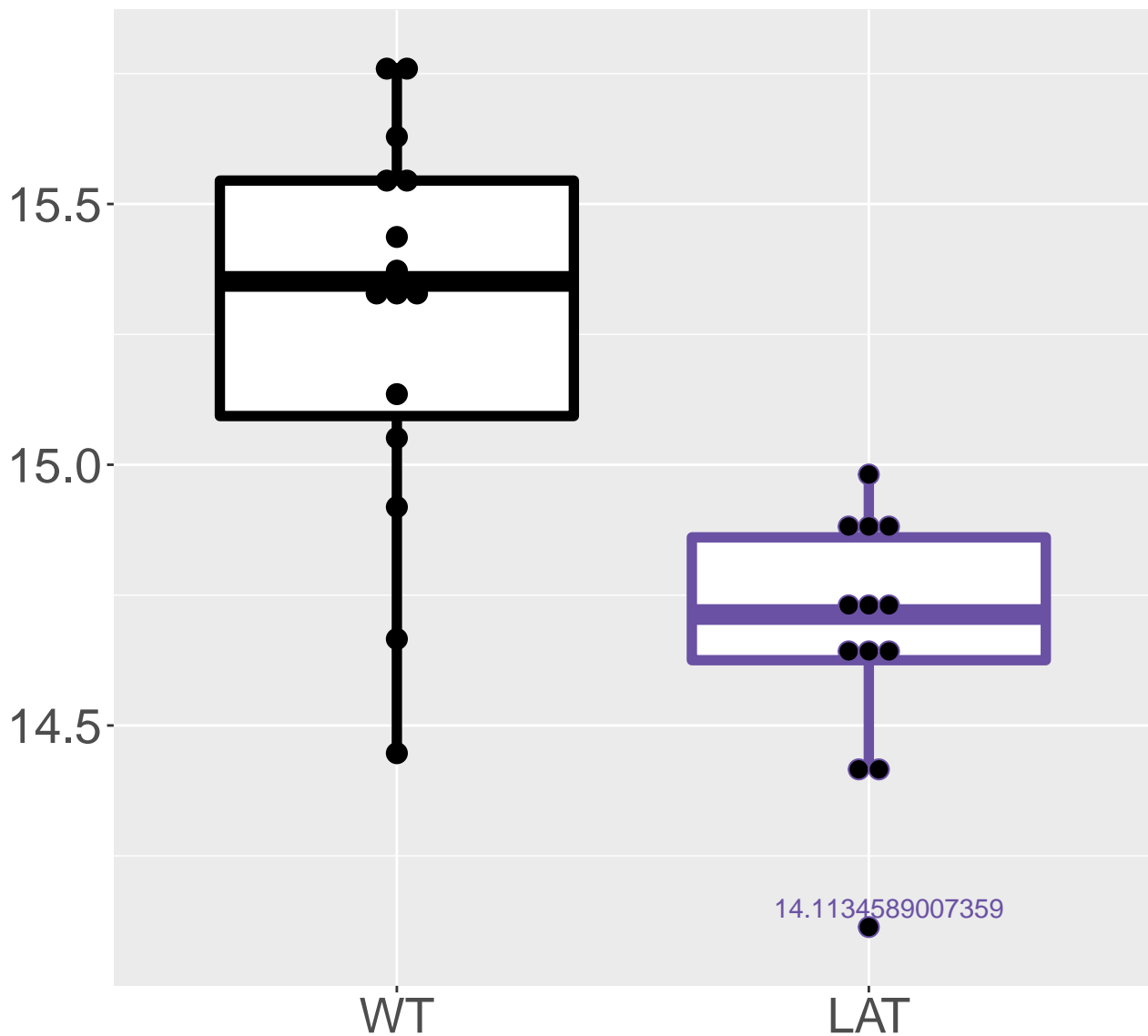
**M102.092T100.1**

**FDR = 0.00077, FC = 0.53**



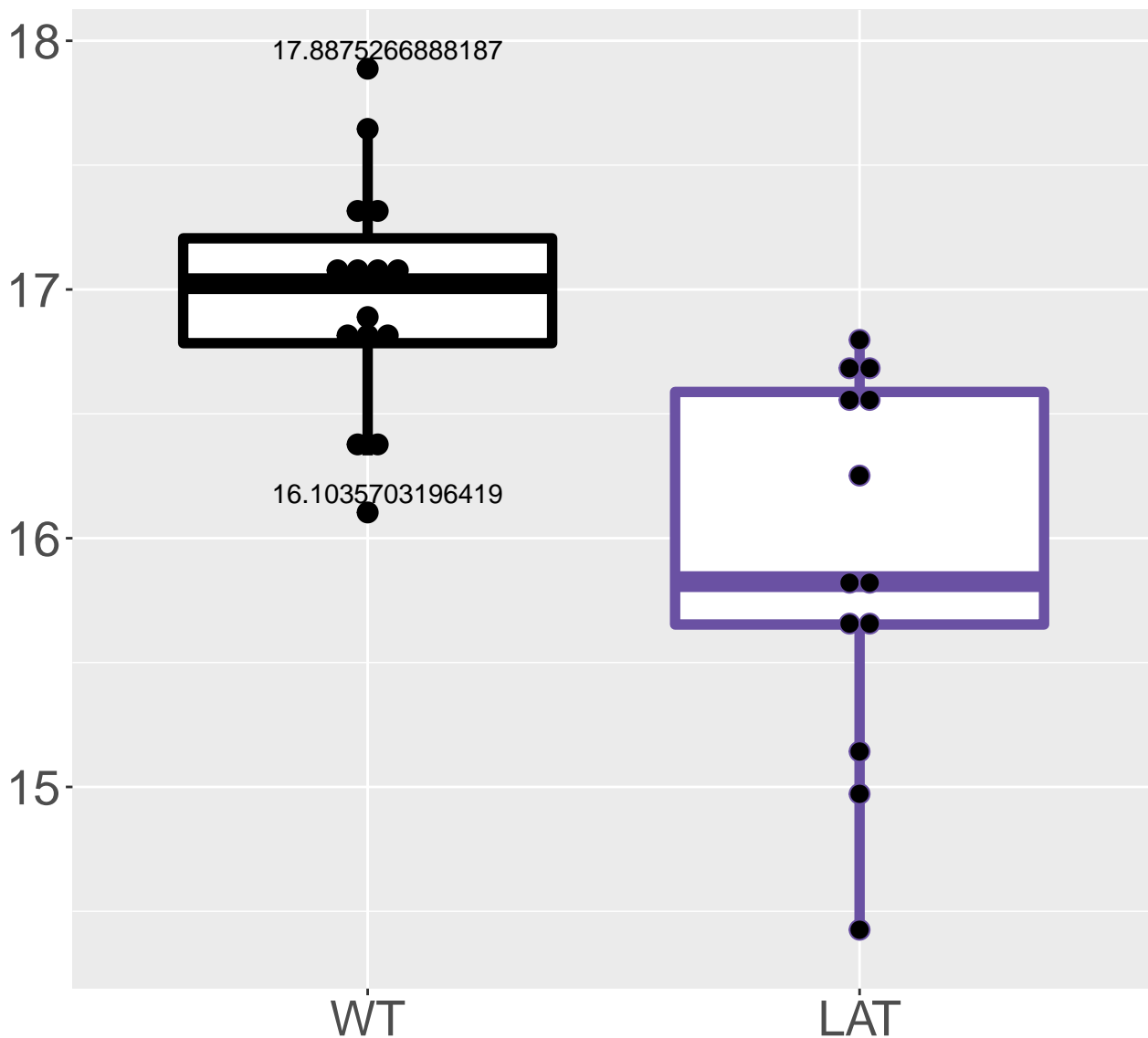
**M692.7999T296.72\_2**

**FDR = 0.00077, FC = -0.61**



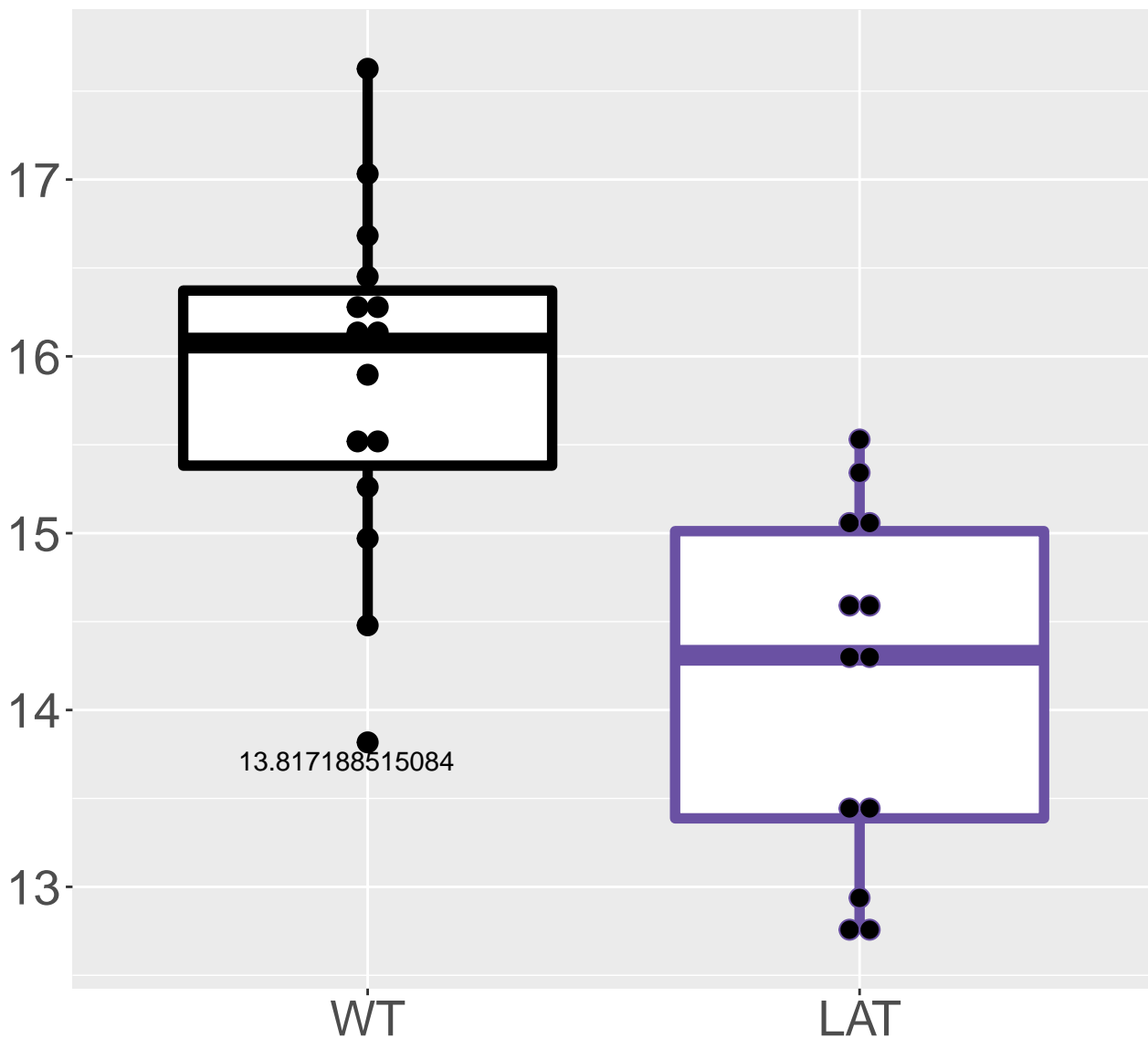
**M133.5484T75.51\_3**

**FDR = 0.00078, FC = -1.1**

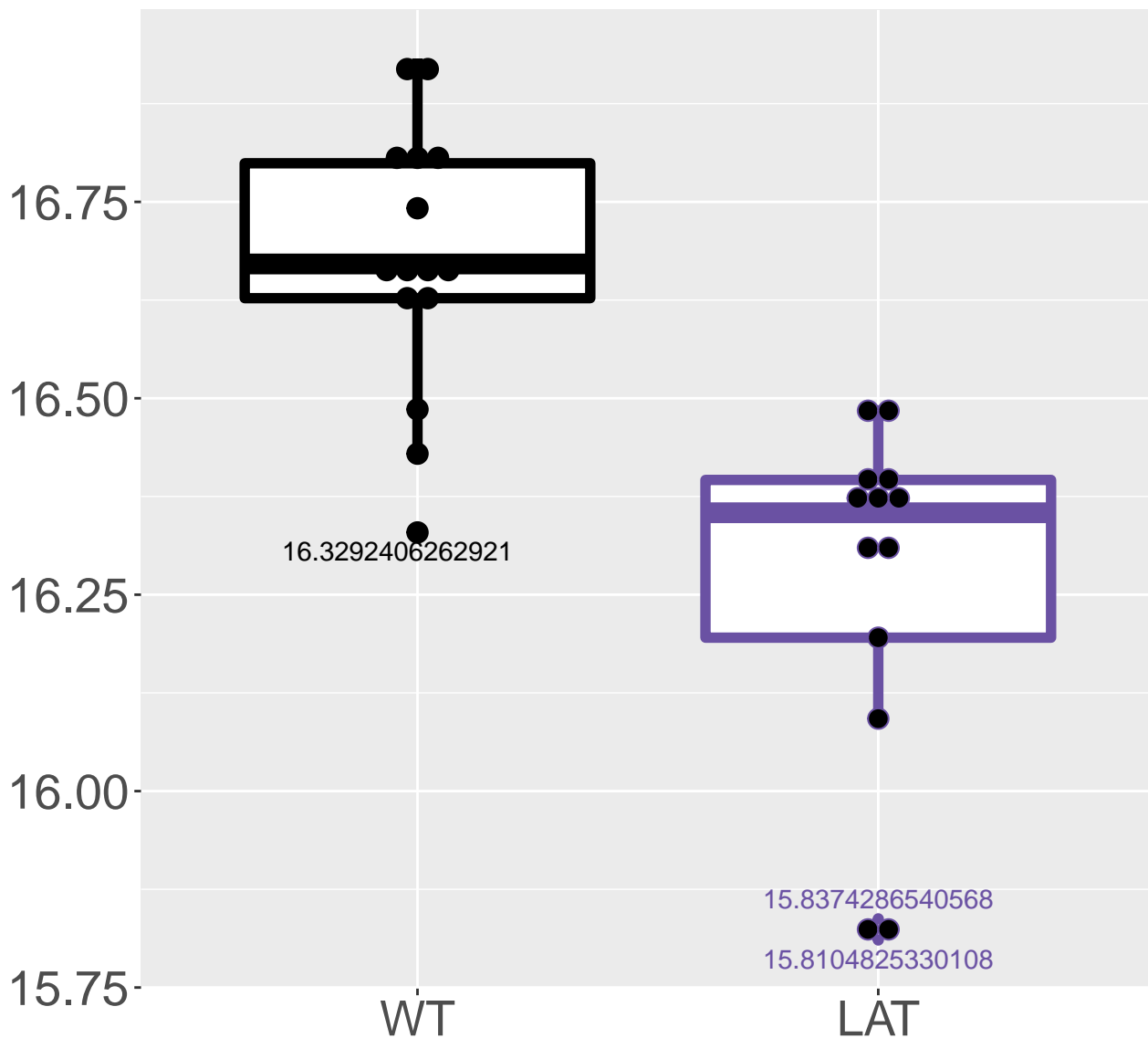


**M355.5872T257.72\_1**

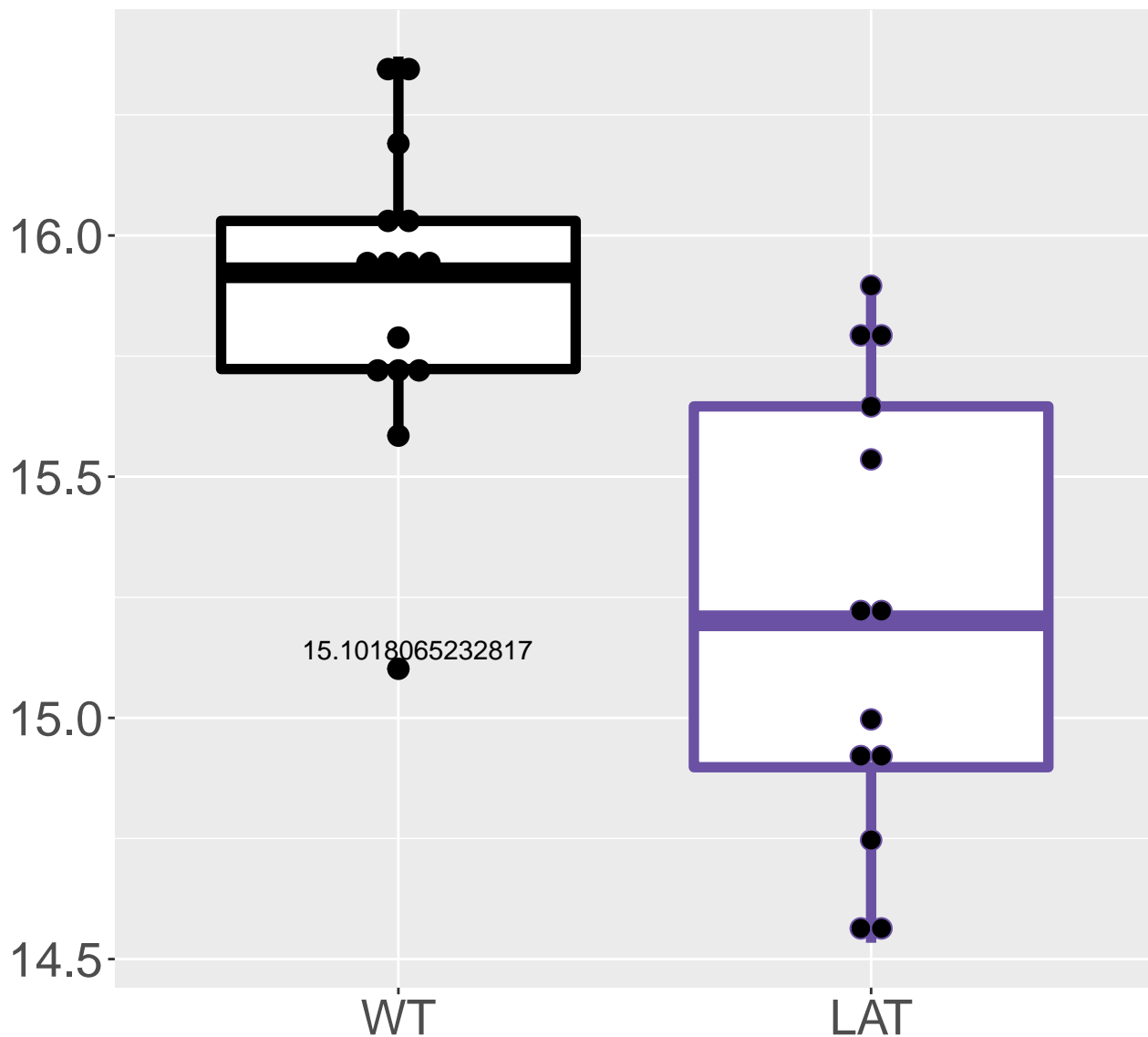
**FDR = 0.00079, FC = -1.7**



**FDR = 0.00079, FC = -0.41**



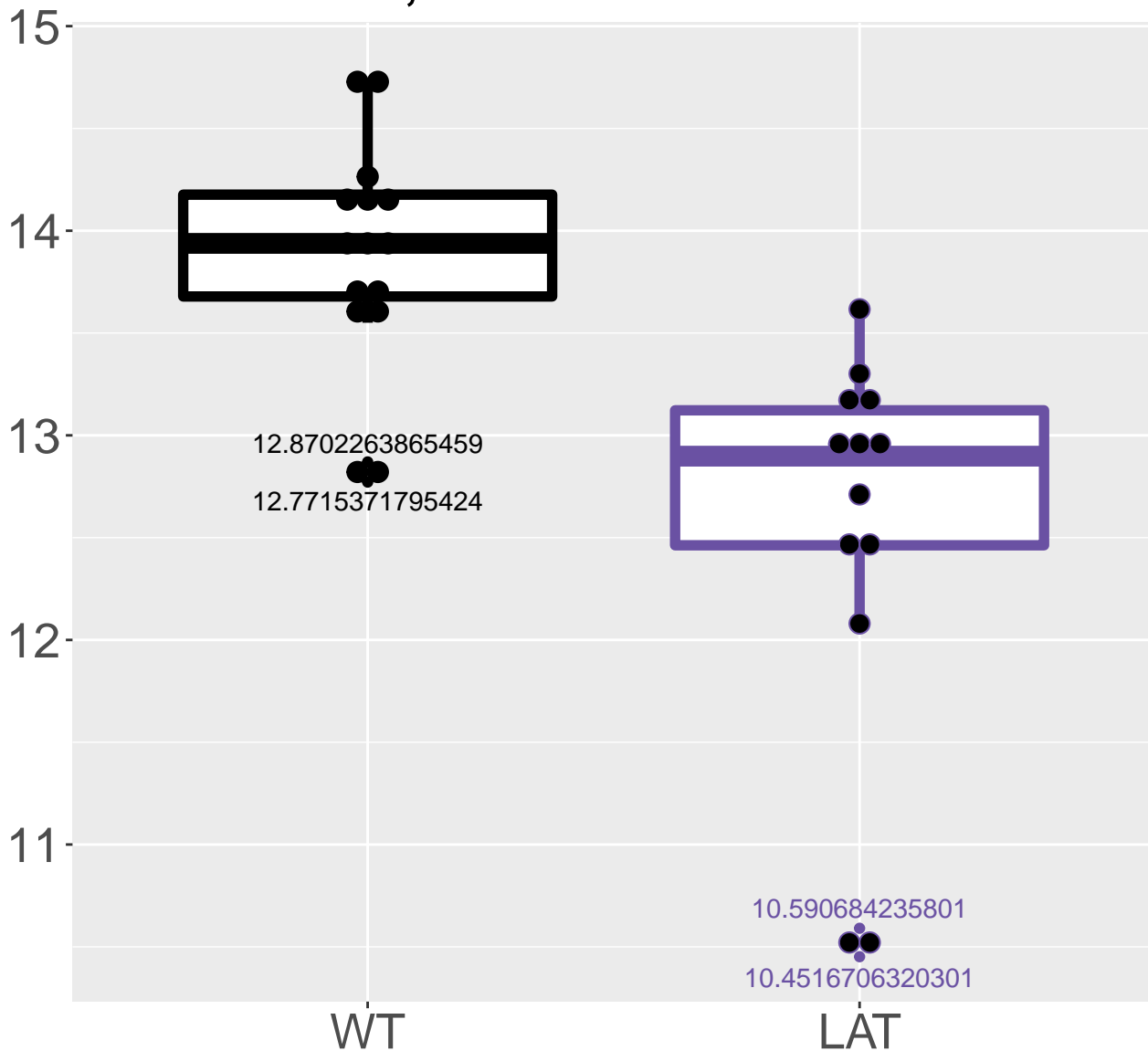
**M160.2381T113.11\_36**  
**FDR = 8e-04, FC = -0.67**





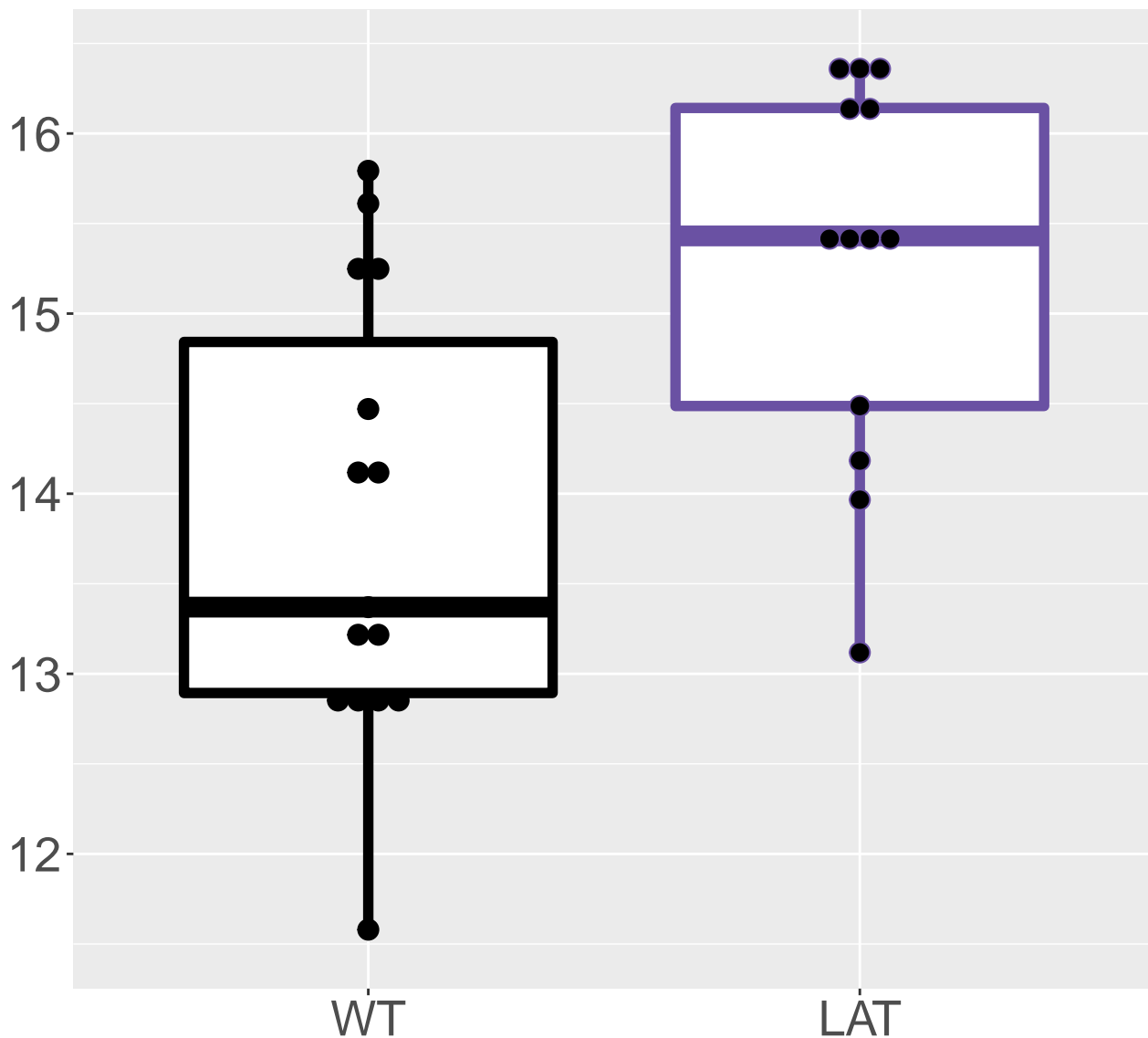
**M584.328T338.5**

**FDR = 0.00081, FC = -1.3**

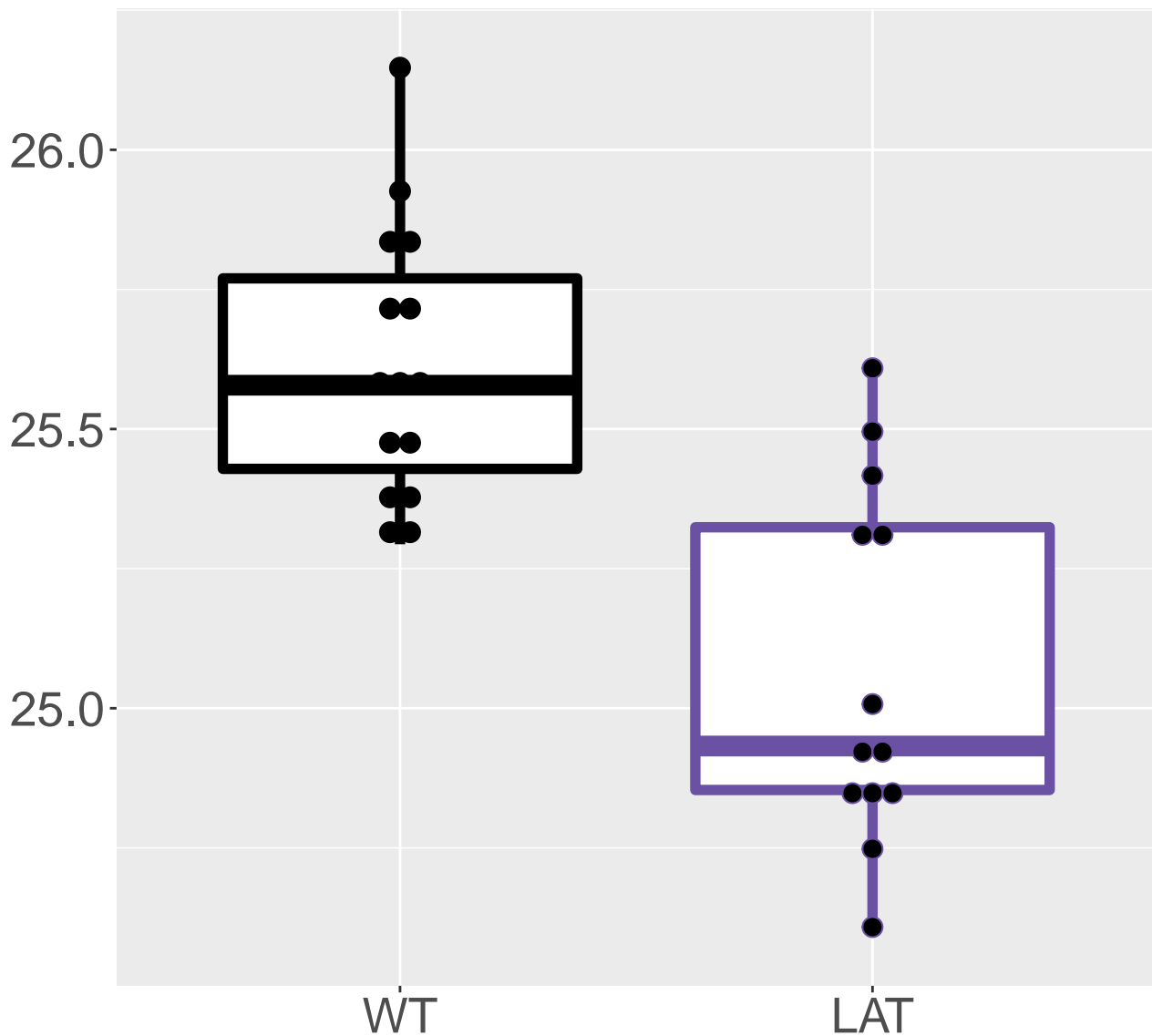


**M408.1285T52.93**

**FDR = 0.00081, FC = 1.5, sex\*\***

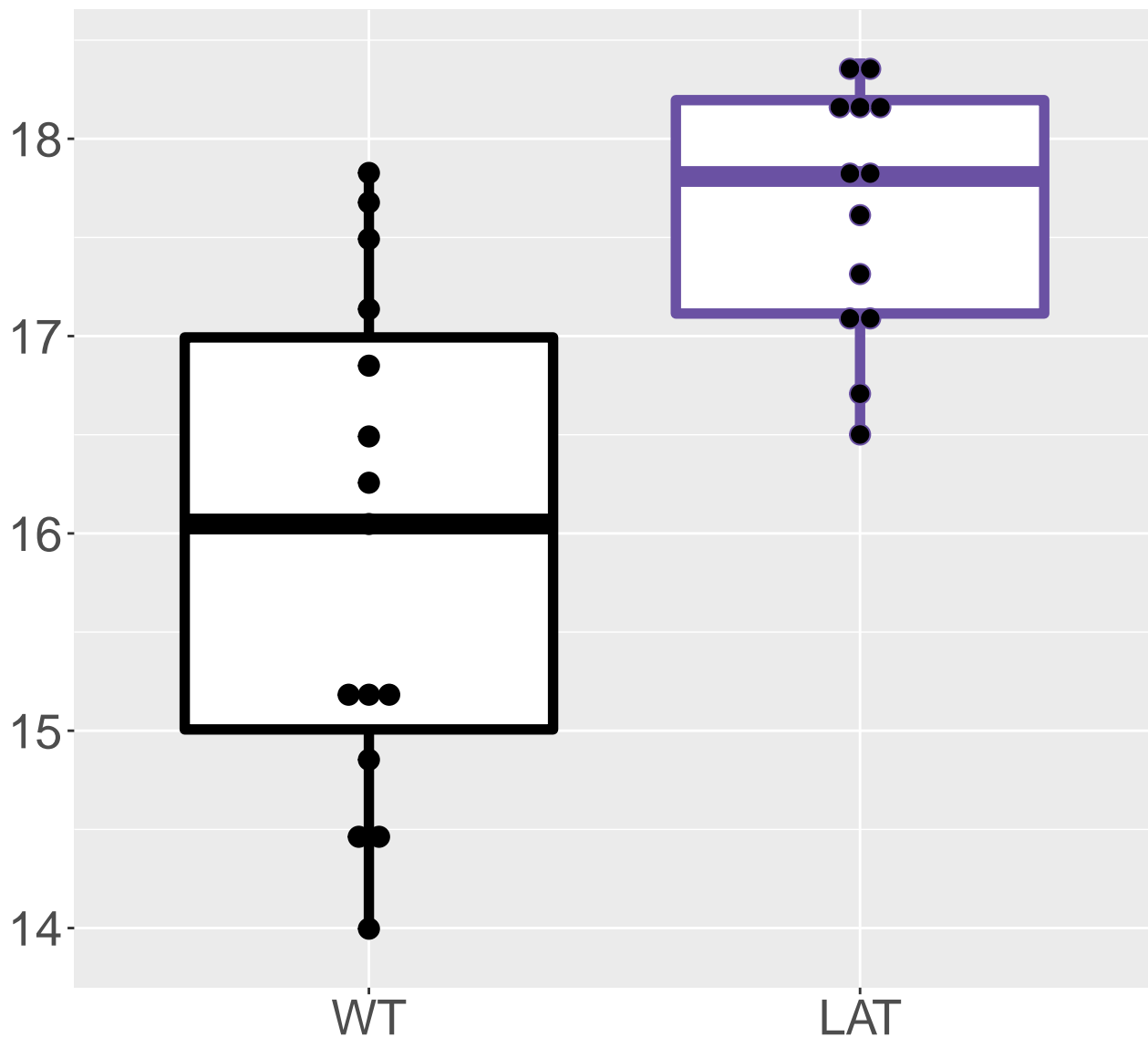


**L-Proline;Proline**  
**FDR = 0.00081, FC = -0.55**



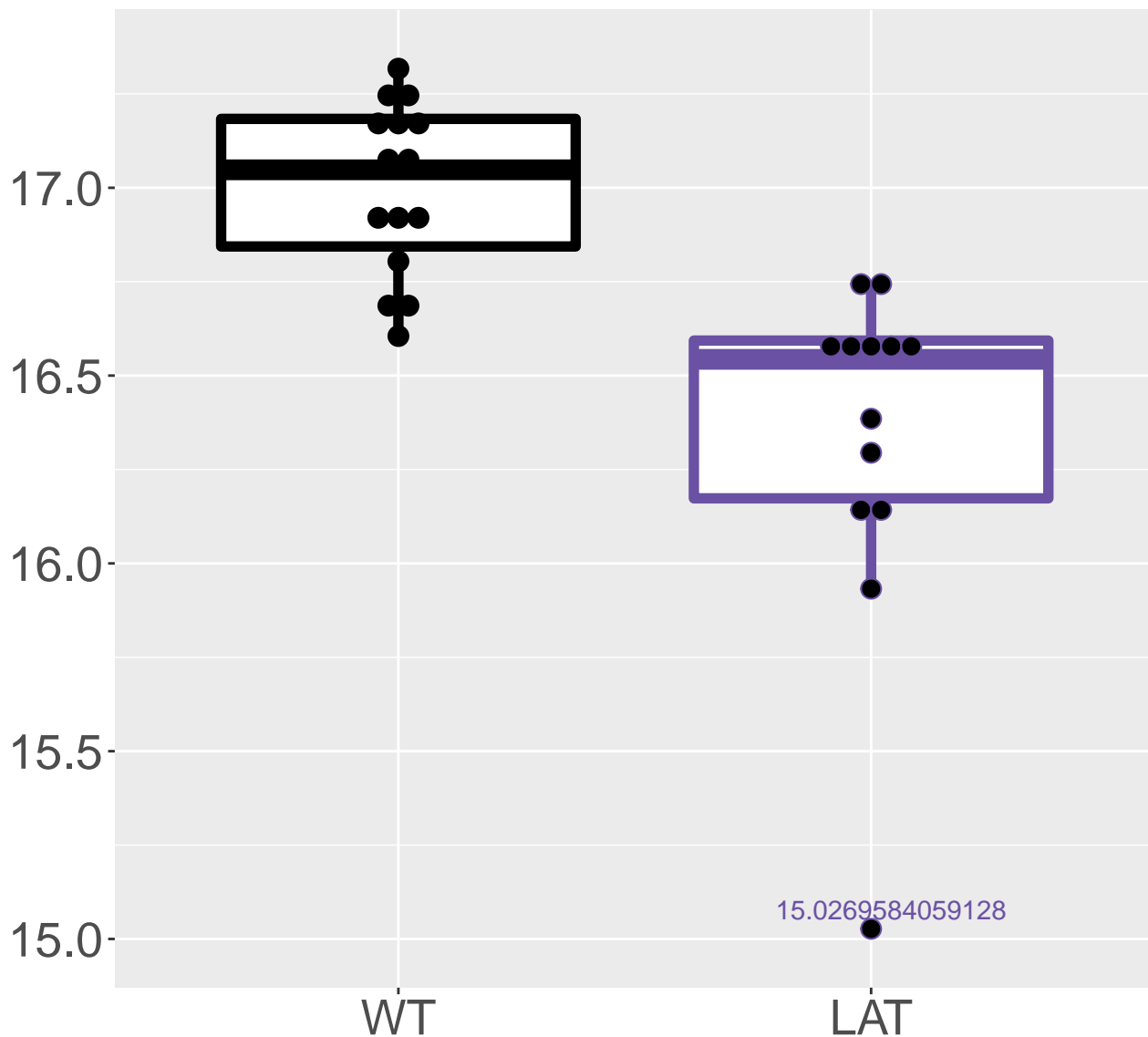
**M250.0949T209.38**

**FDR = 0.00082, FC = 1.7**



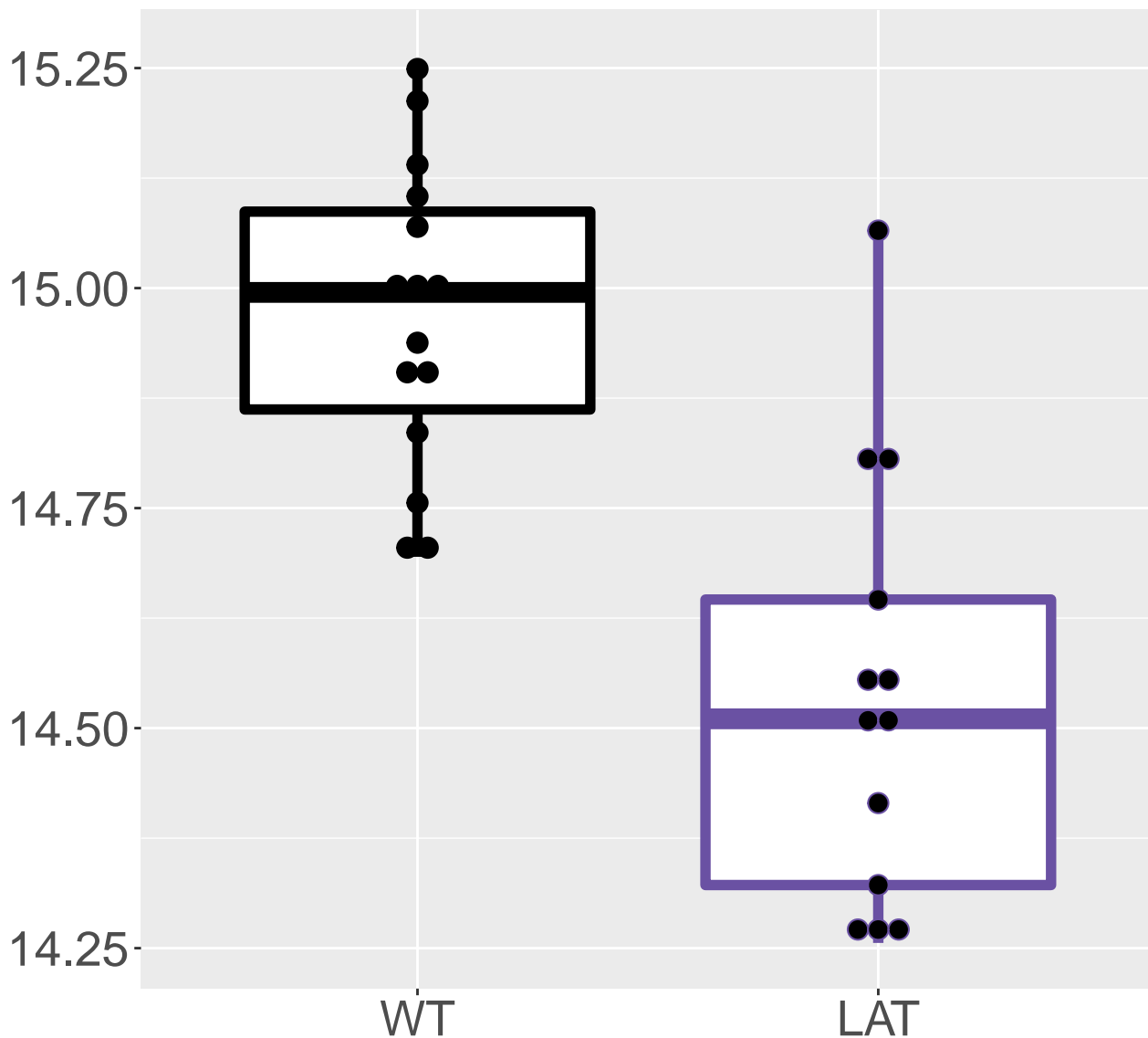
**M166.087T229.17**

**FDR = 0.00082, FC = -0.67**

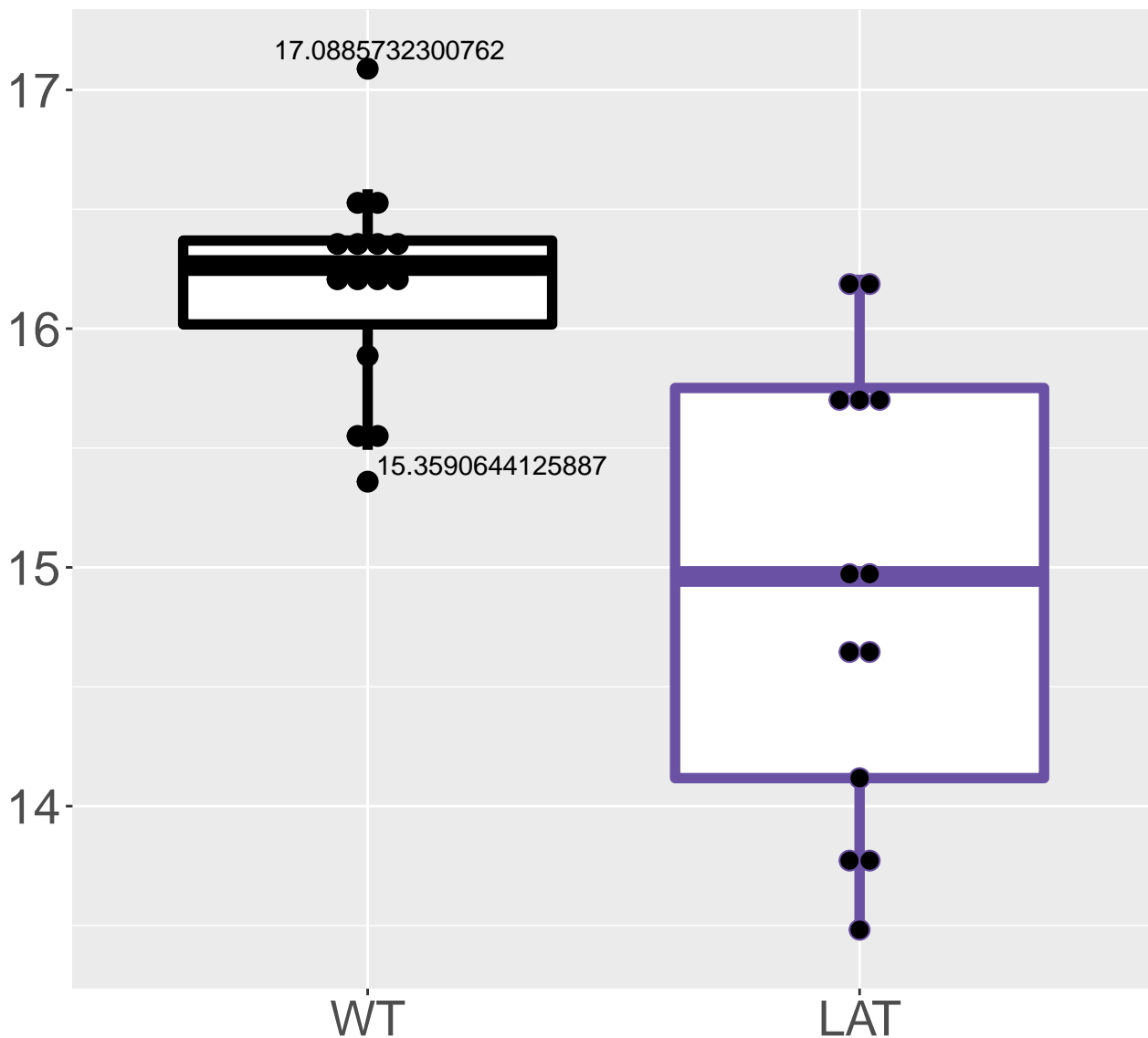


**M201.6838T229.31\_3**

**FDR = 0.00082, FC = -0.43**

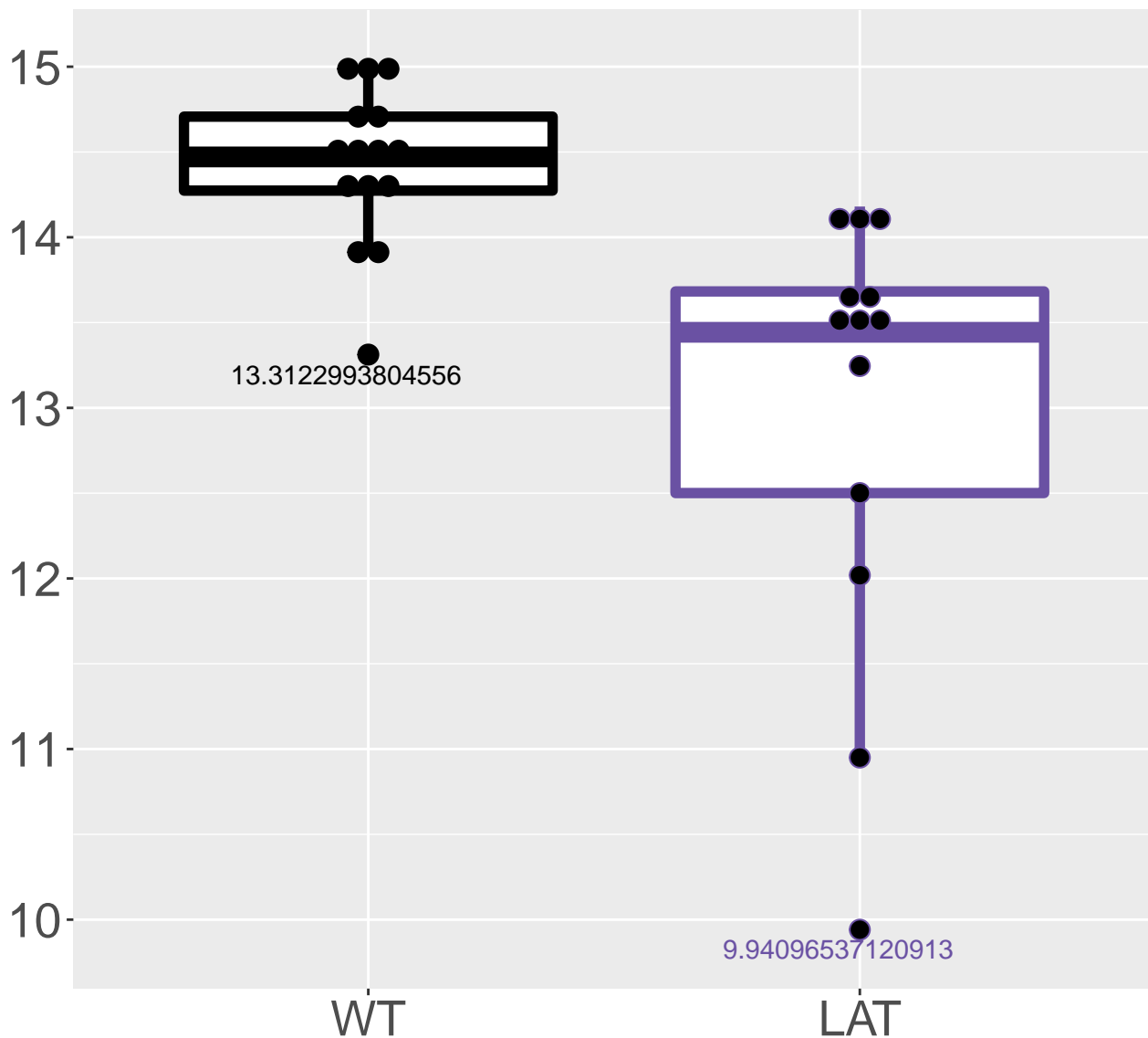


**M672.3648T323.51**  
**FDR = 0.00082, FC = -1.3**



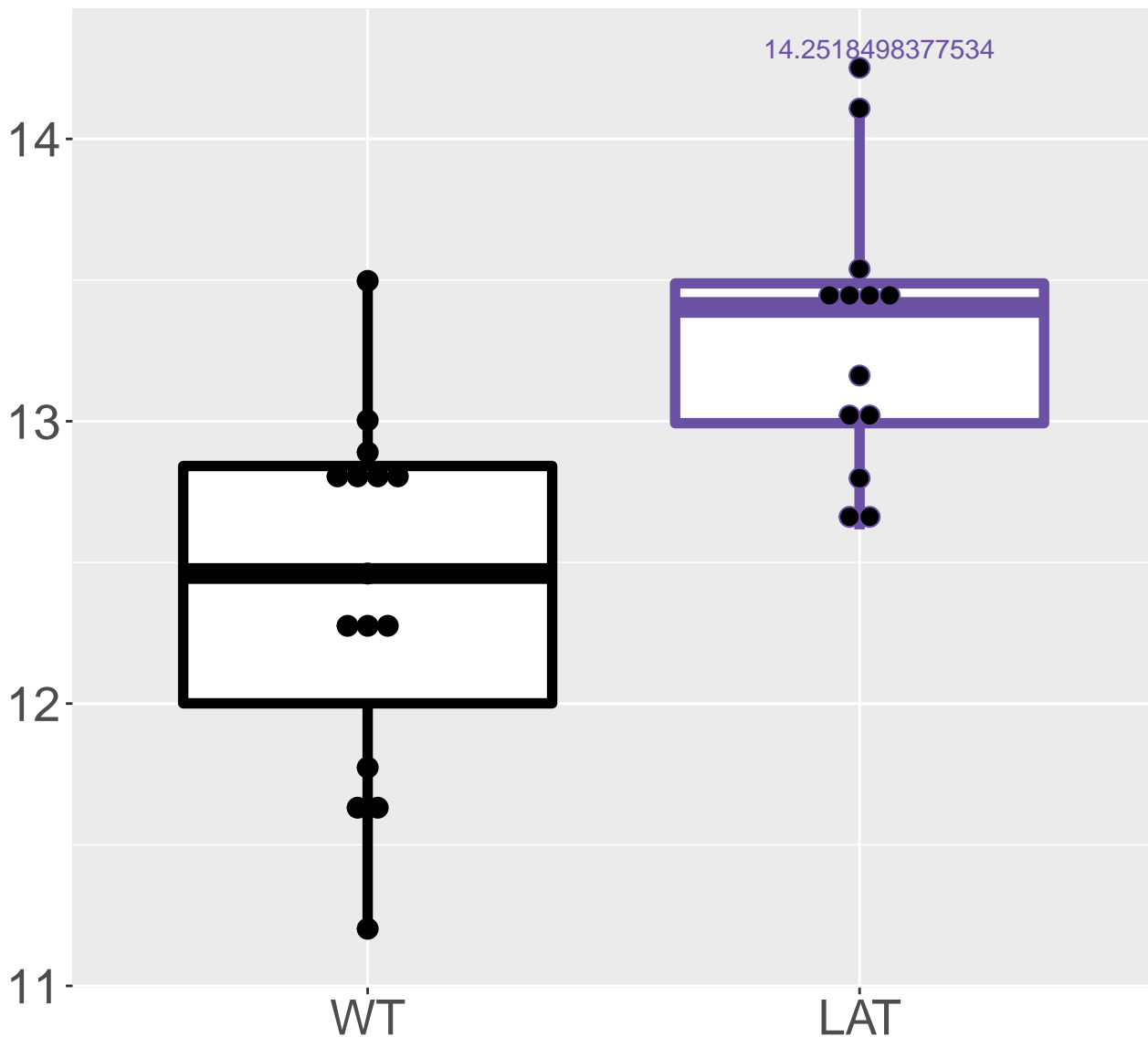
**M279.2039T42.93**

**FDR = 0.00083, FC = -1.4, sex\***

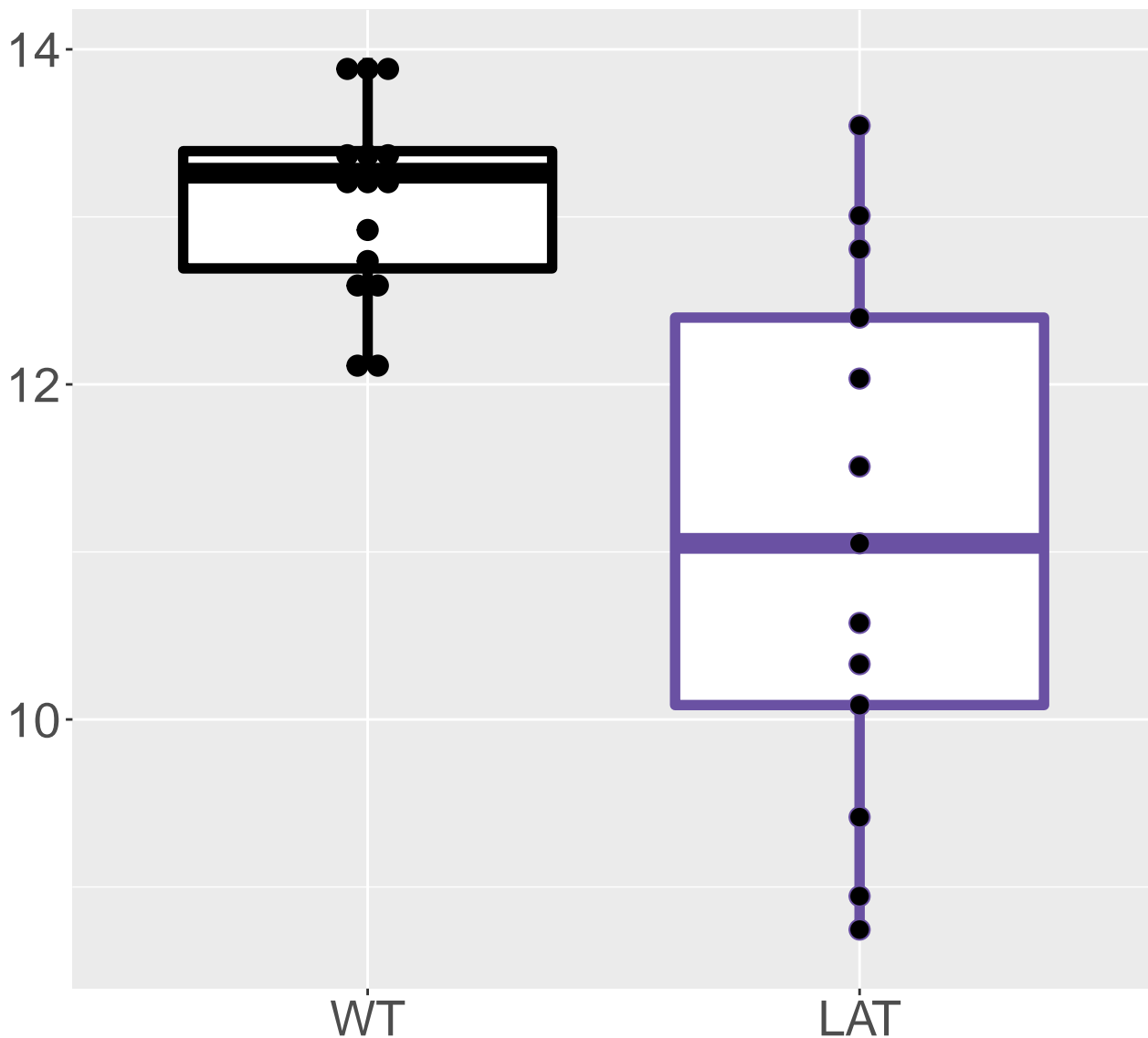




**M511.5305T278.21\_1**  
**FDR = 0.00084, FC = 0.9**

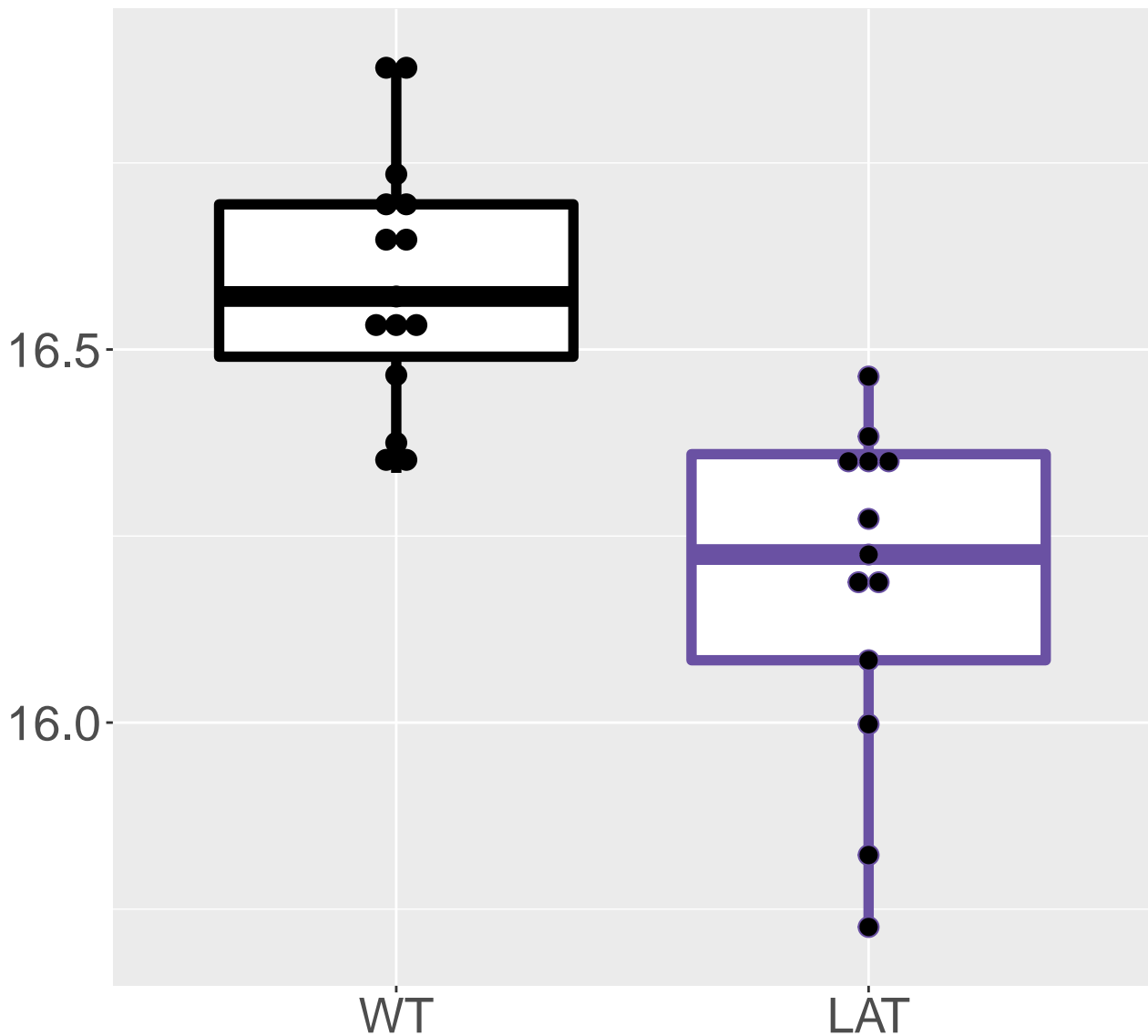


**M536.2862T284.22**  
**FDR = 0.00086, FC = -2**



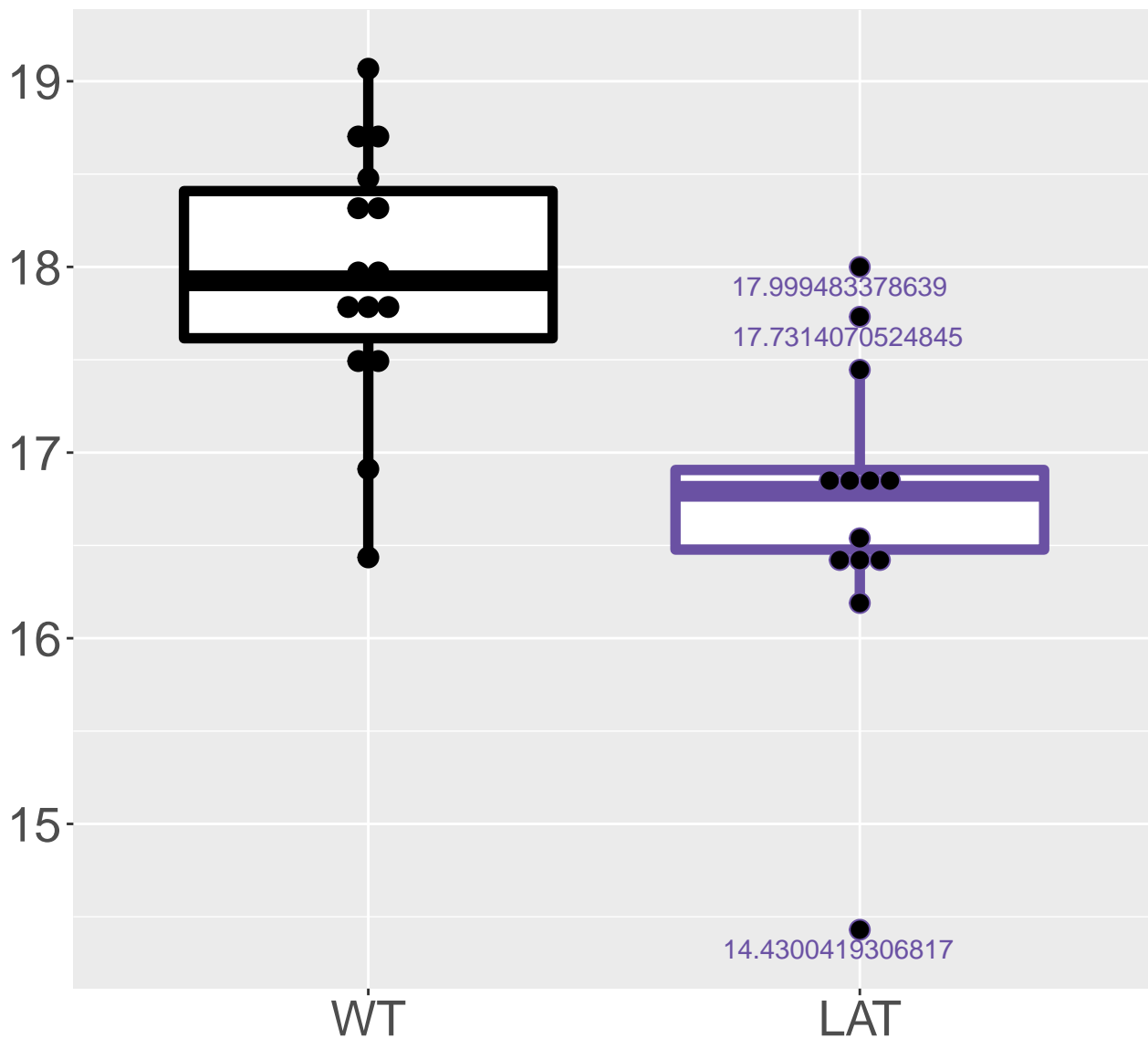
**M201.6832T113.13**

**FDR = 0.00086, FC = -0.41**



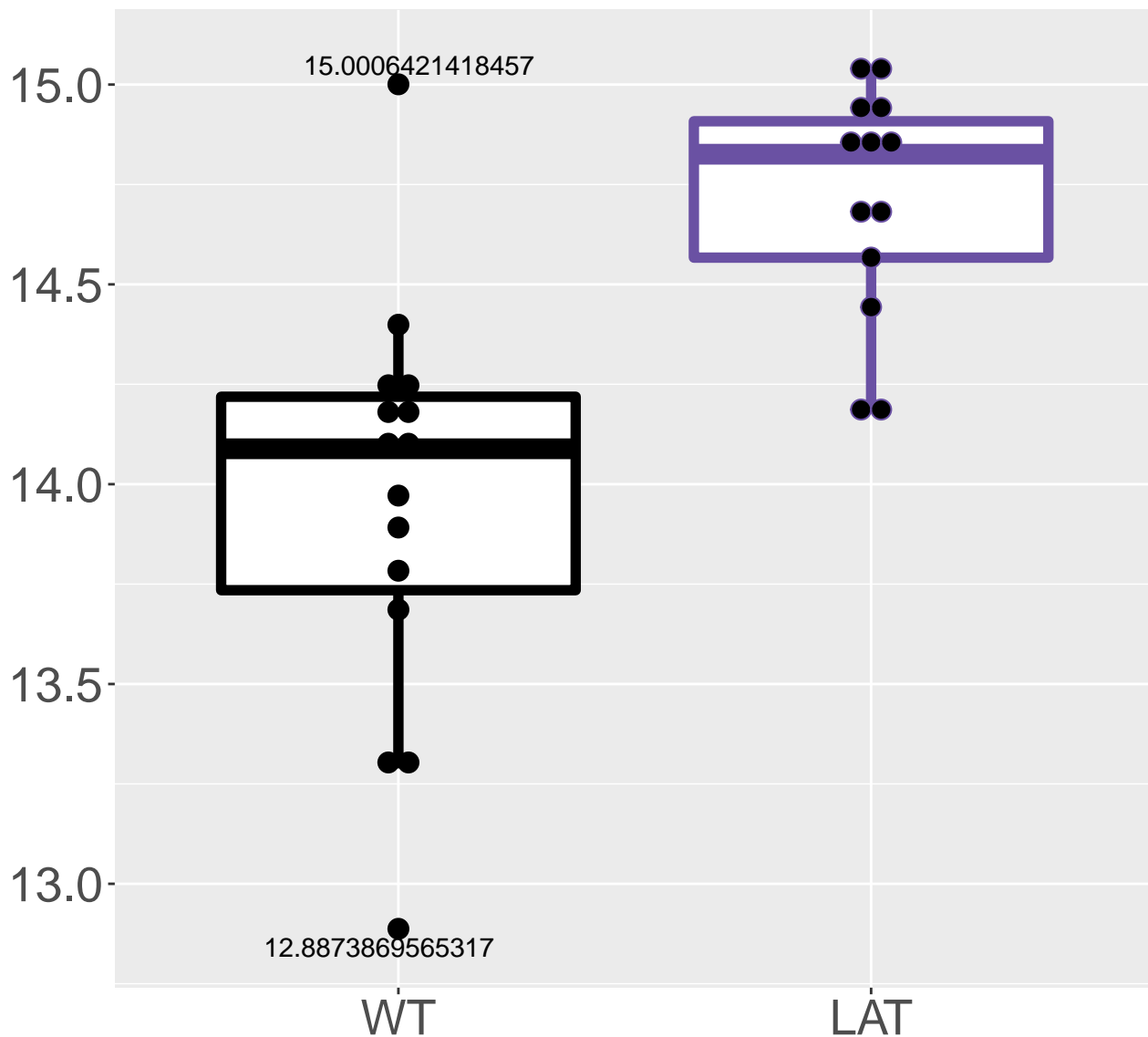
**M461.2132T141.8**

**FDR = 0.00087, FC = -1.3**



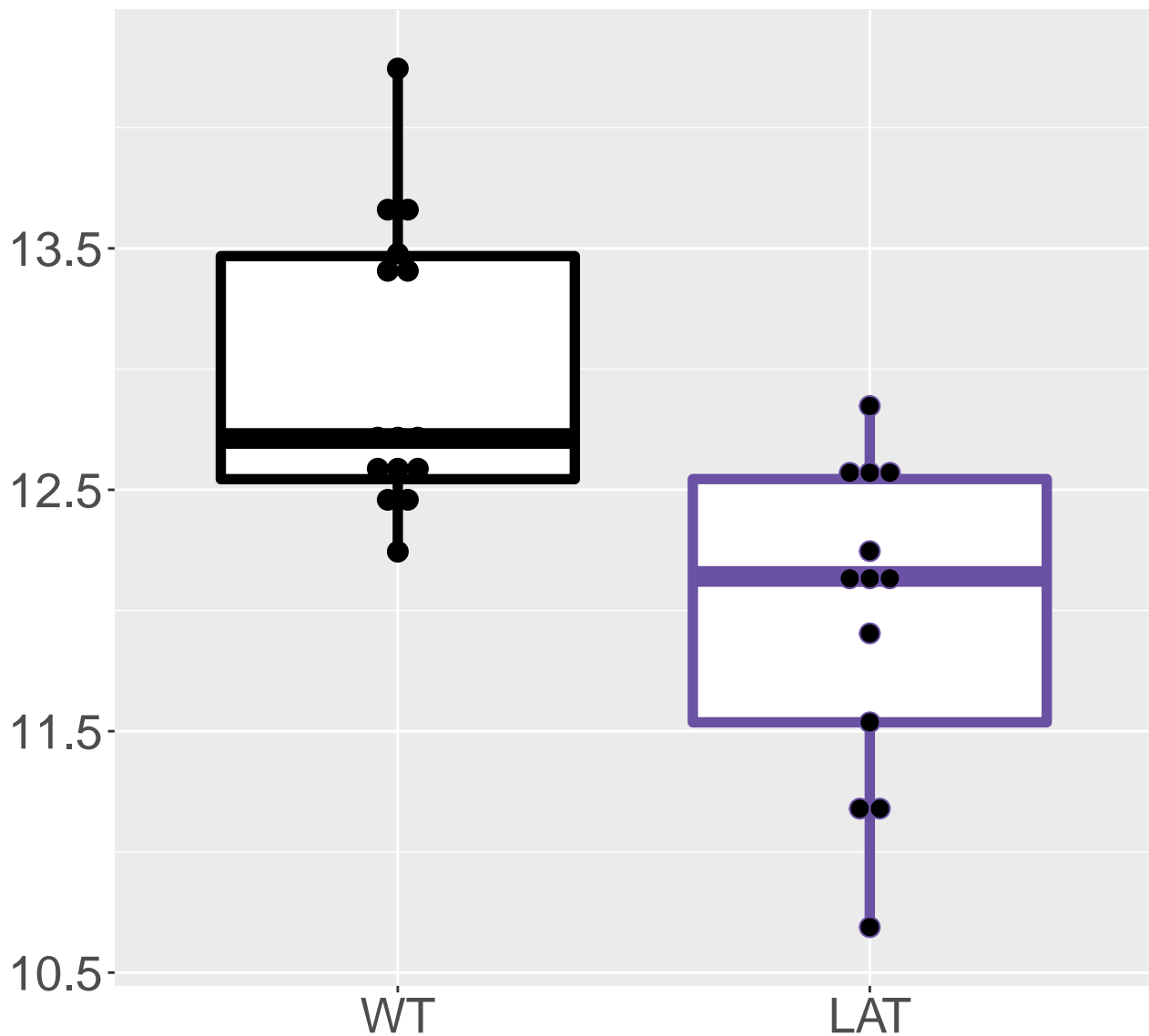
**M574.2717T377.8**

**FDR = 0.00087, FC = 0.76**



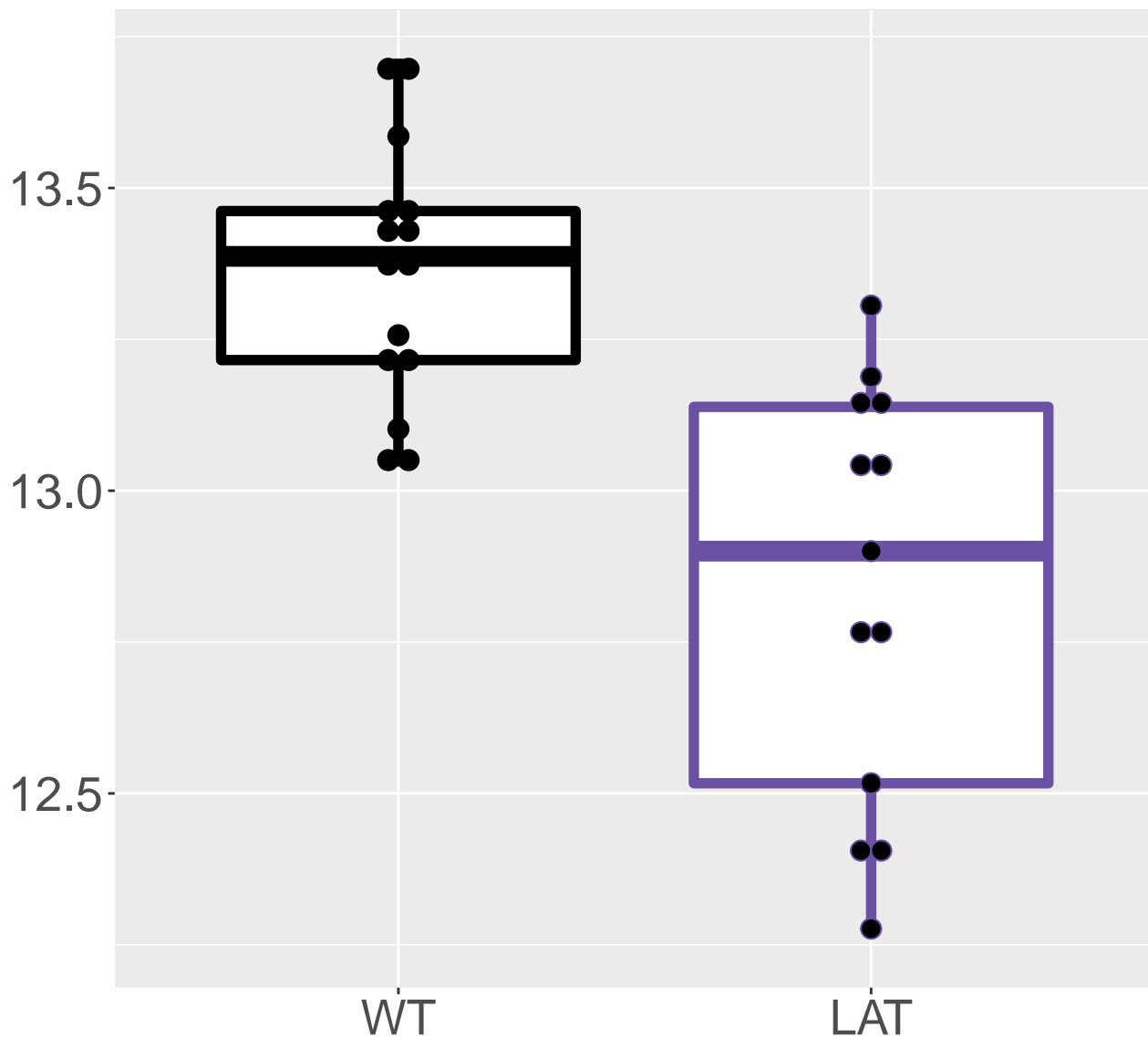
**M342.1676T90.75**

**FDR = 0.00087, FC = -1**



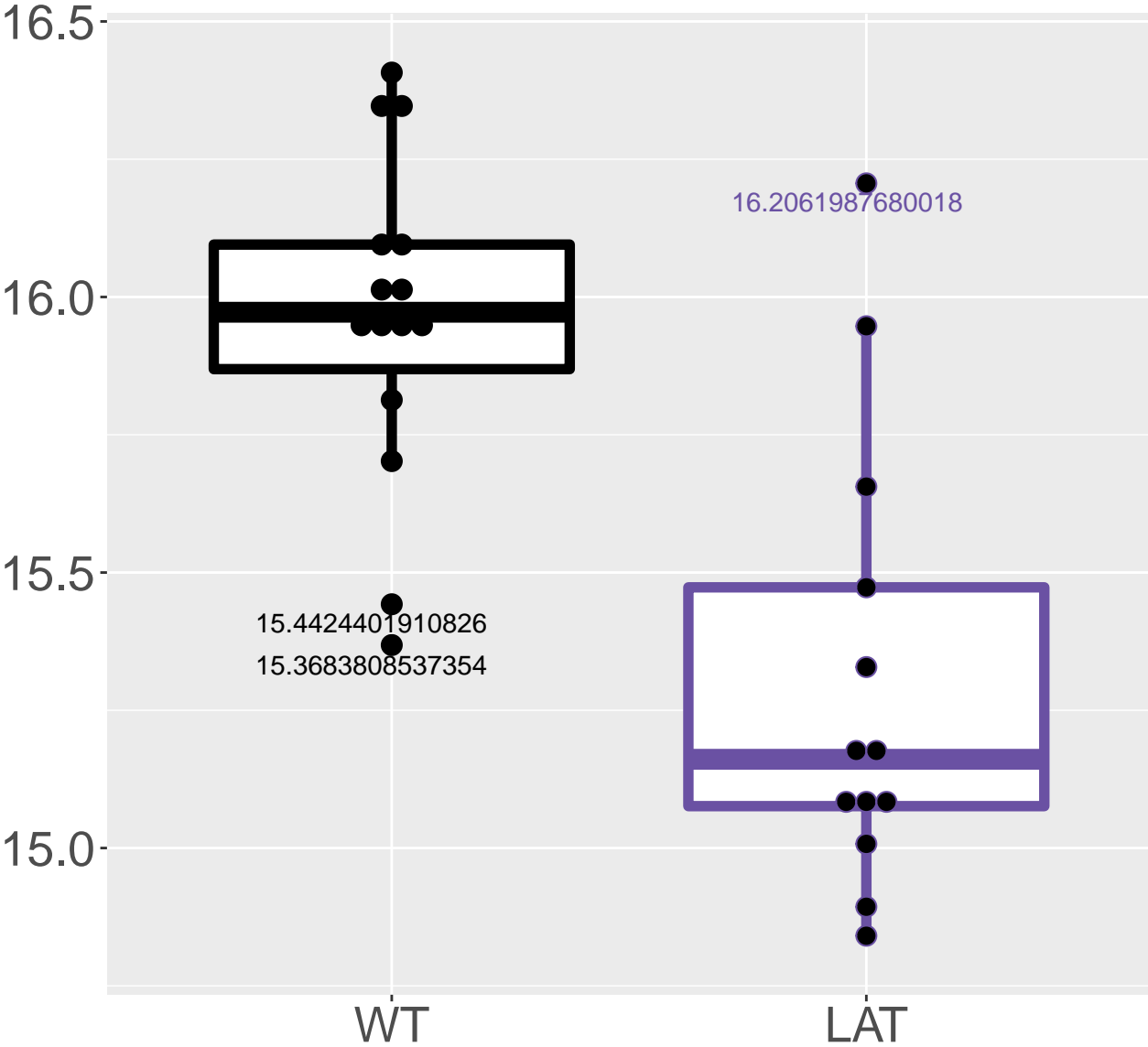
**M121.0485T107.97**

**FDR = 0.00088, FC = -0.52**



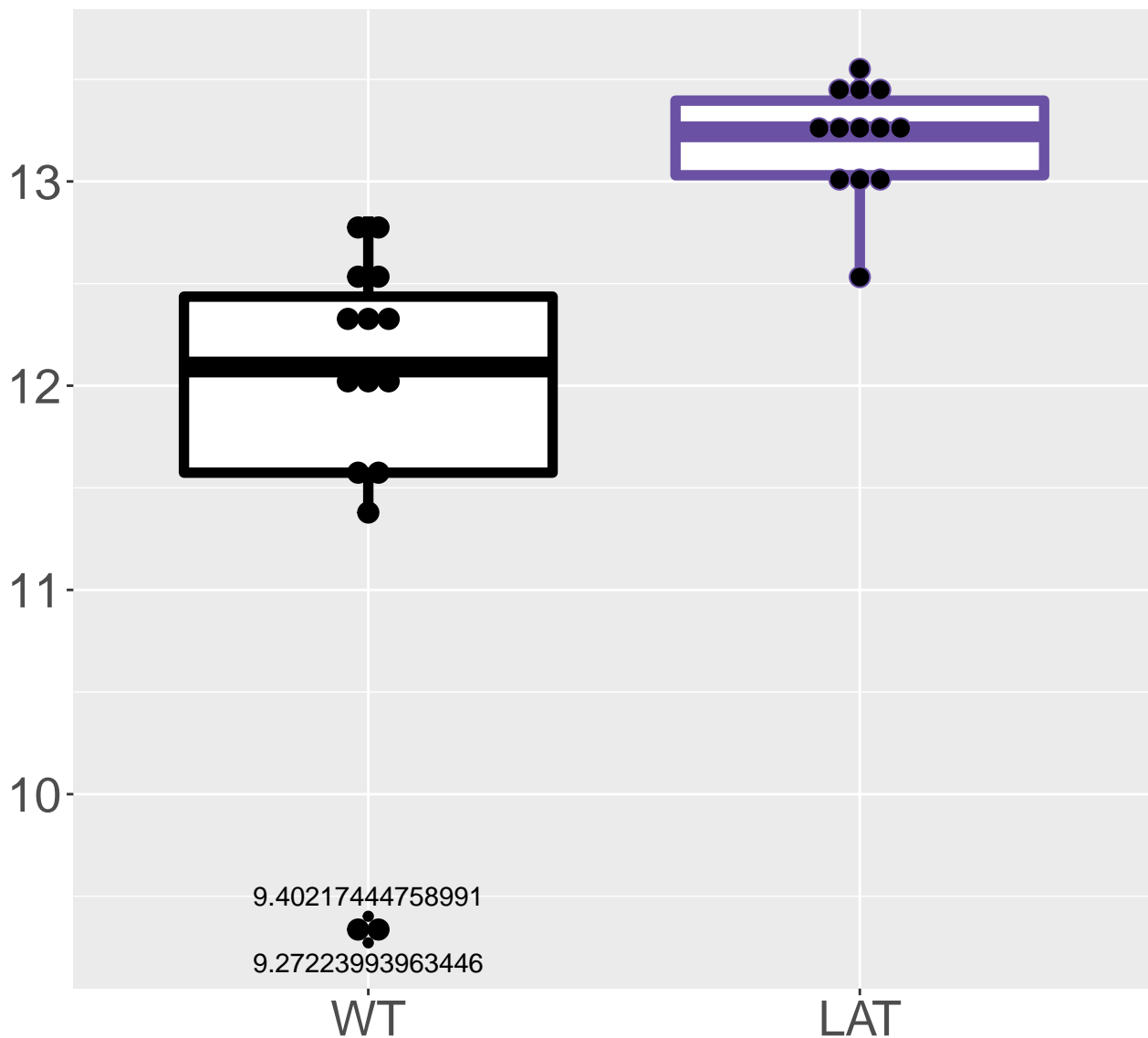
**M170.5986T113.16\_3**

**FDR = 0.00088, FC = -0.66**

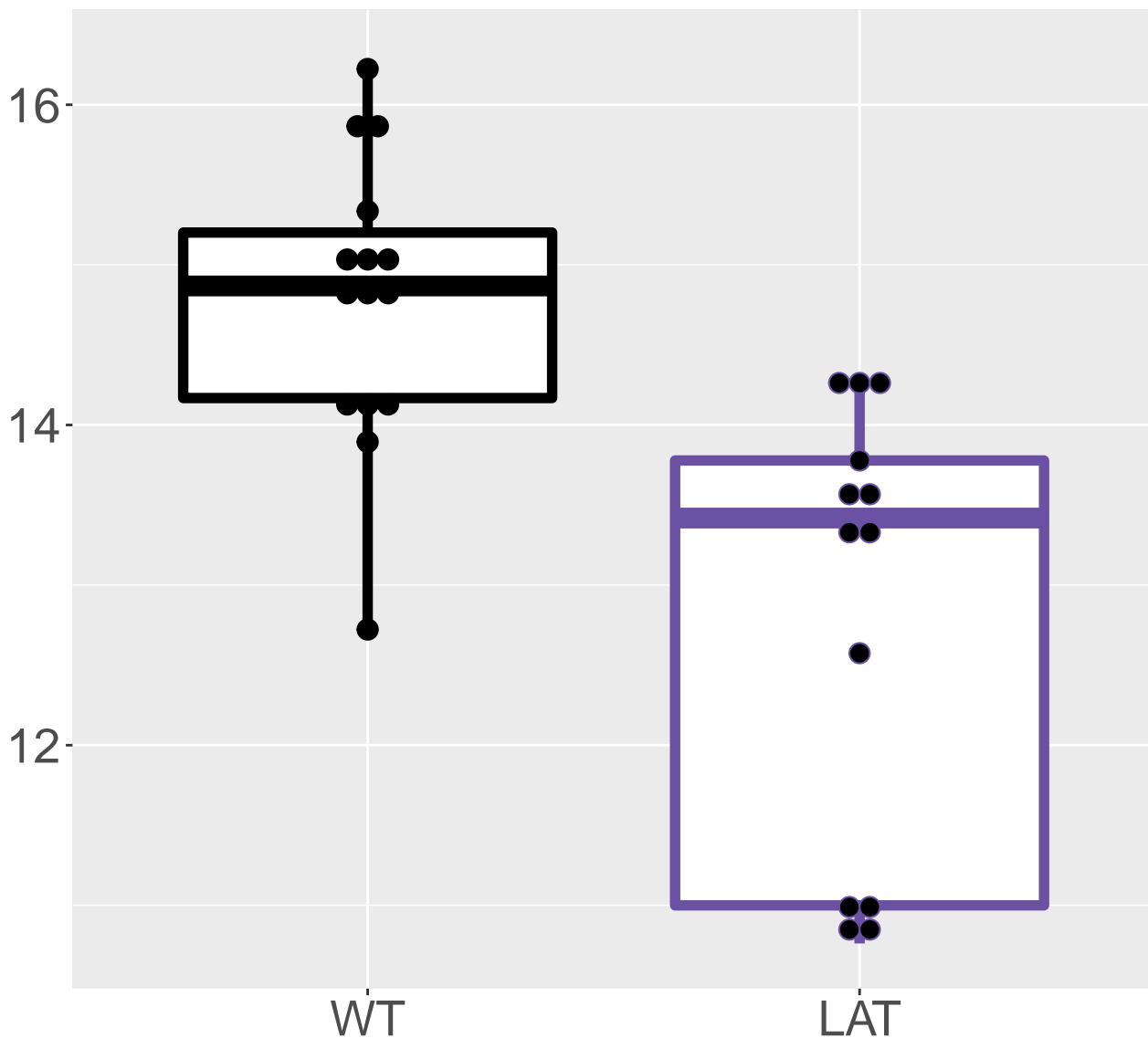




**FDR = 0.00089, FC = 1.4**

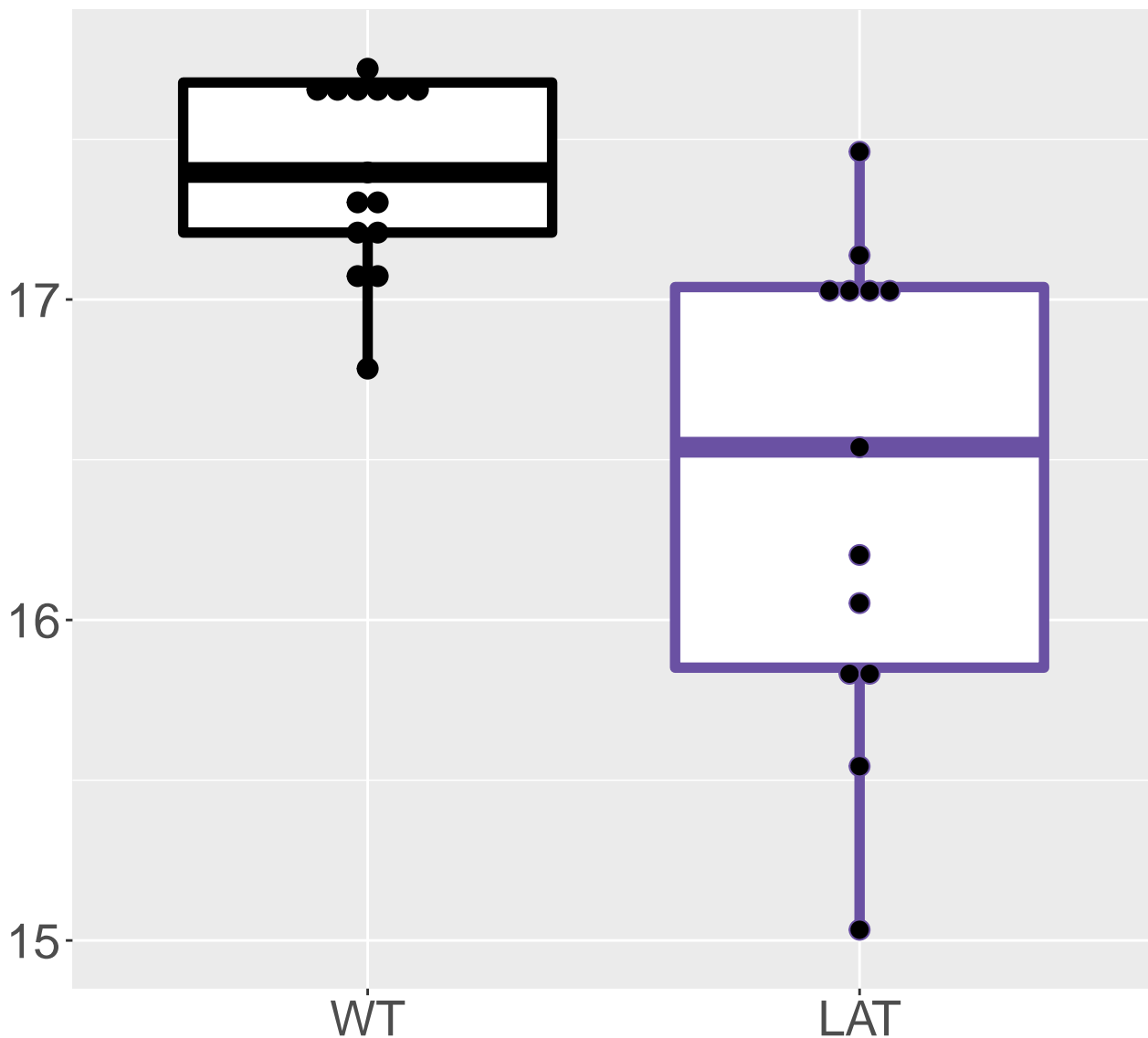


**M842.6019T378.67**  
**FDR = 0.00089, FC = -2**



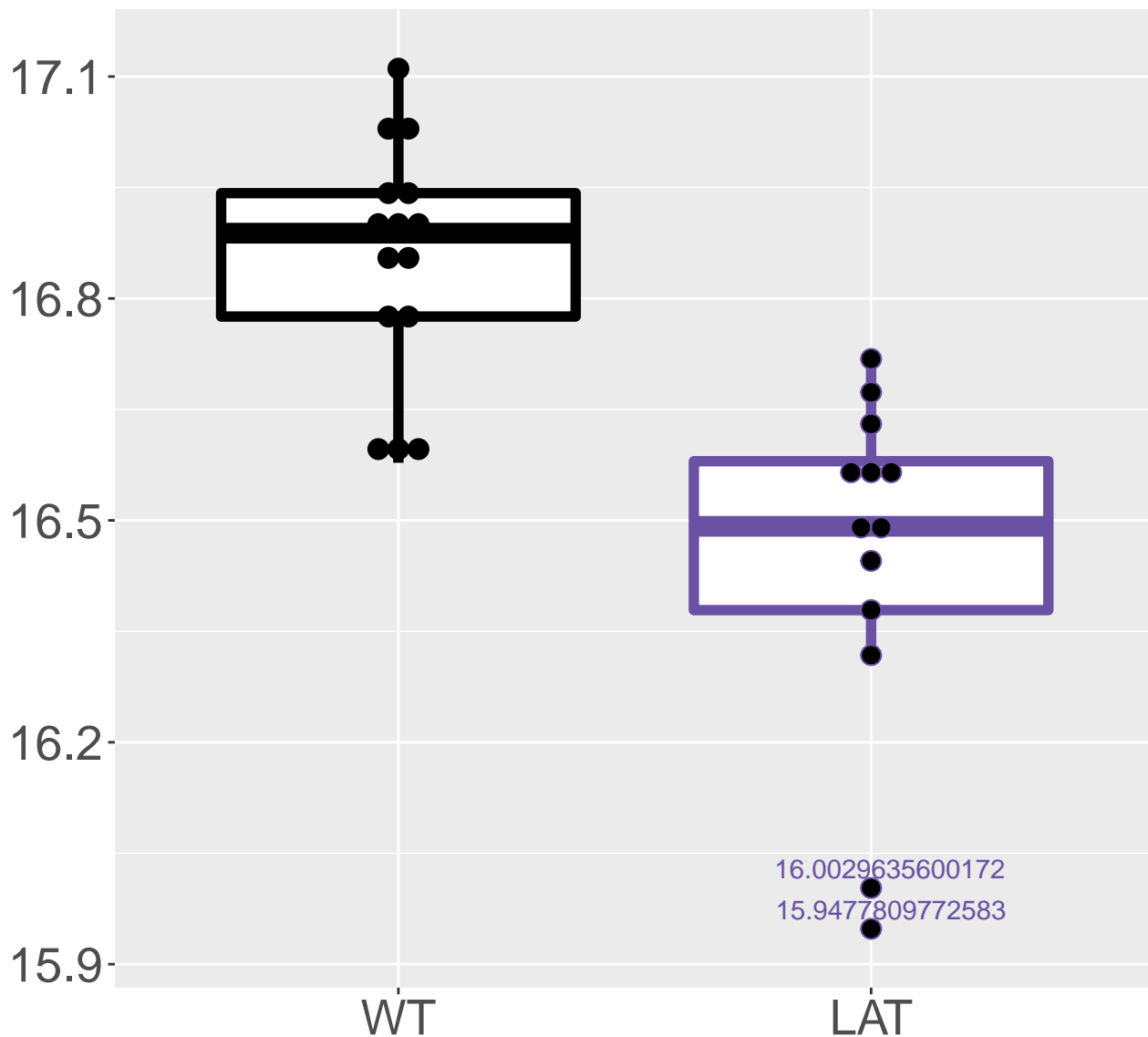
**M128.0718T75.56\_4**

**FDR = 9e-04, FC = -0.96**

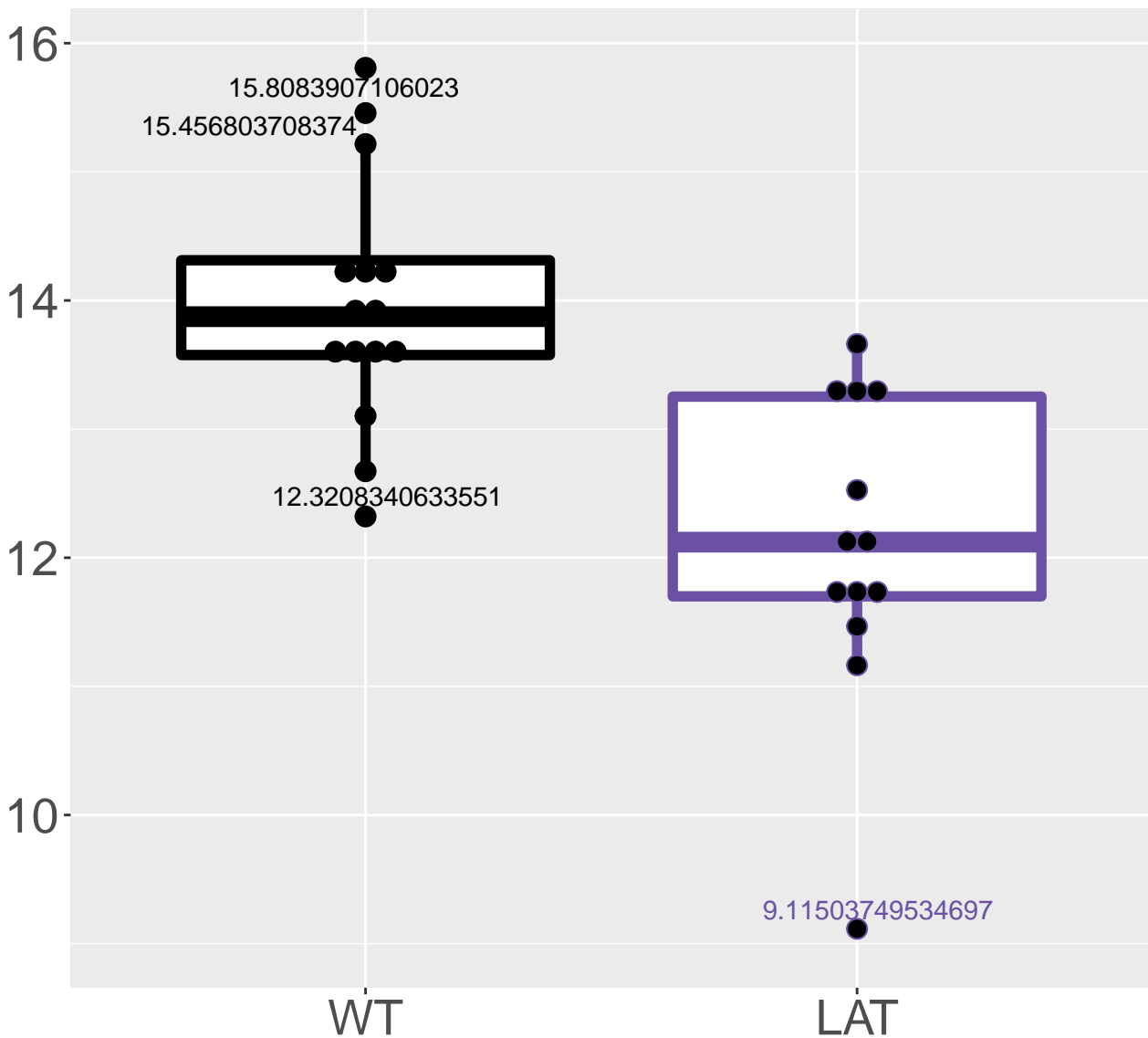


**M264.988T113.15**

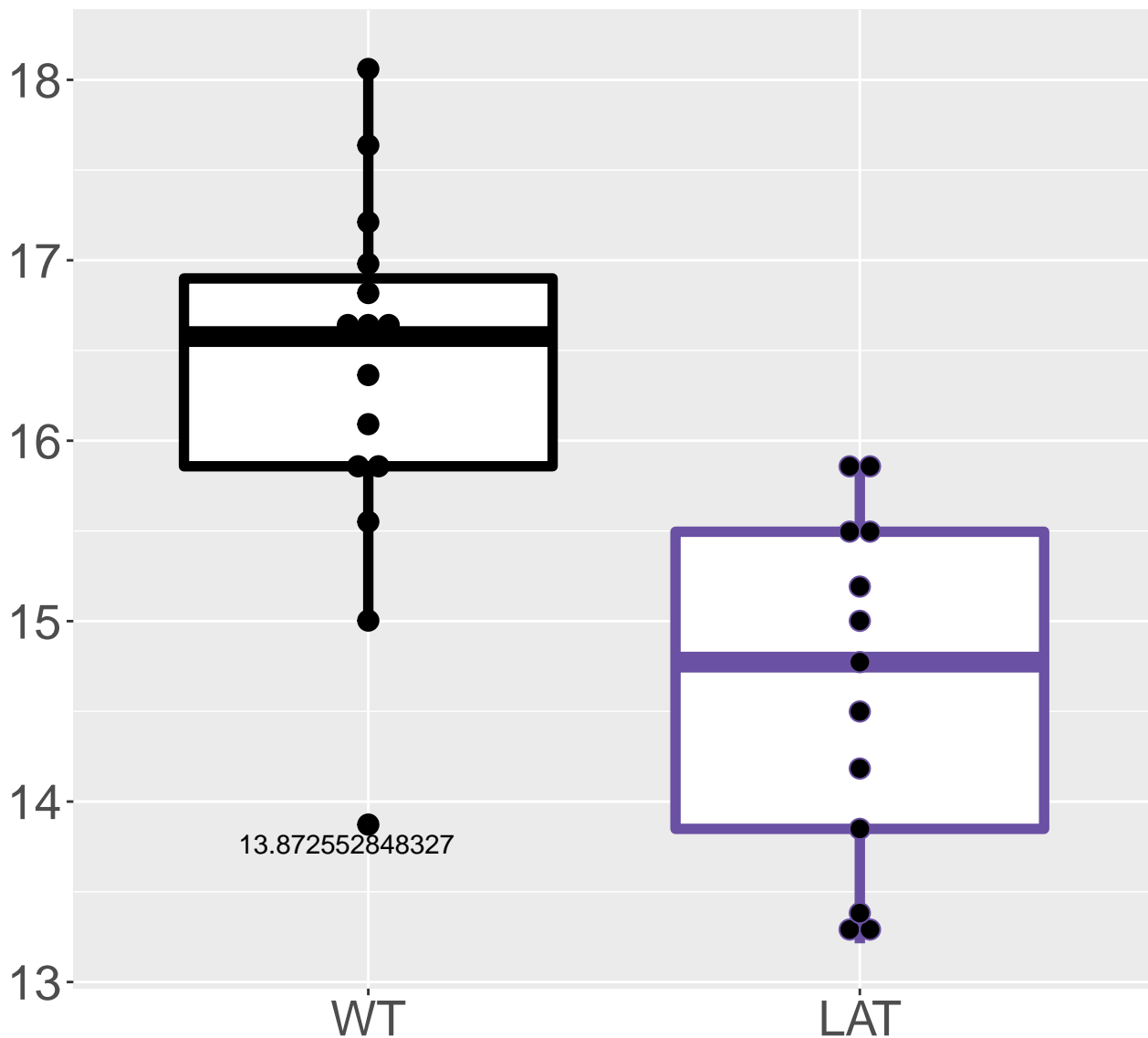
**FDR = 0.00091, FC = -0.41**



**M481.7626T333.02\_1**  
**FDR = 0.00092, FC = -1.9**

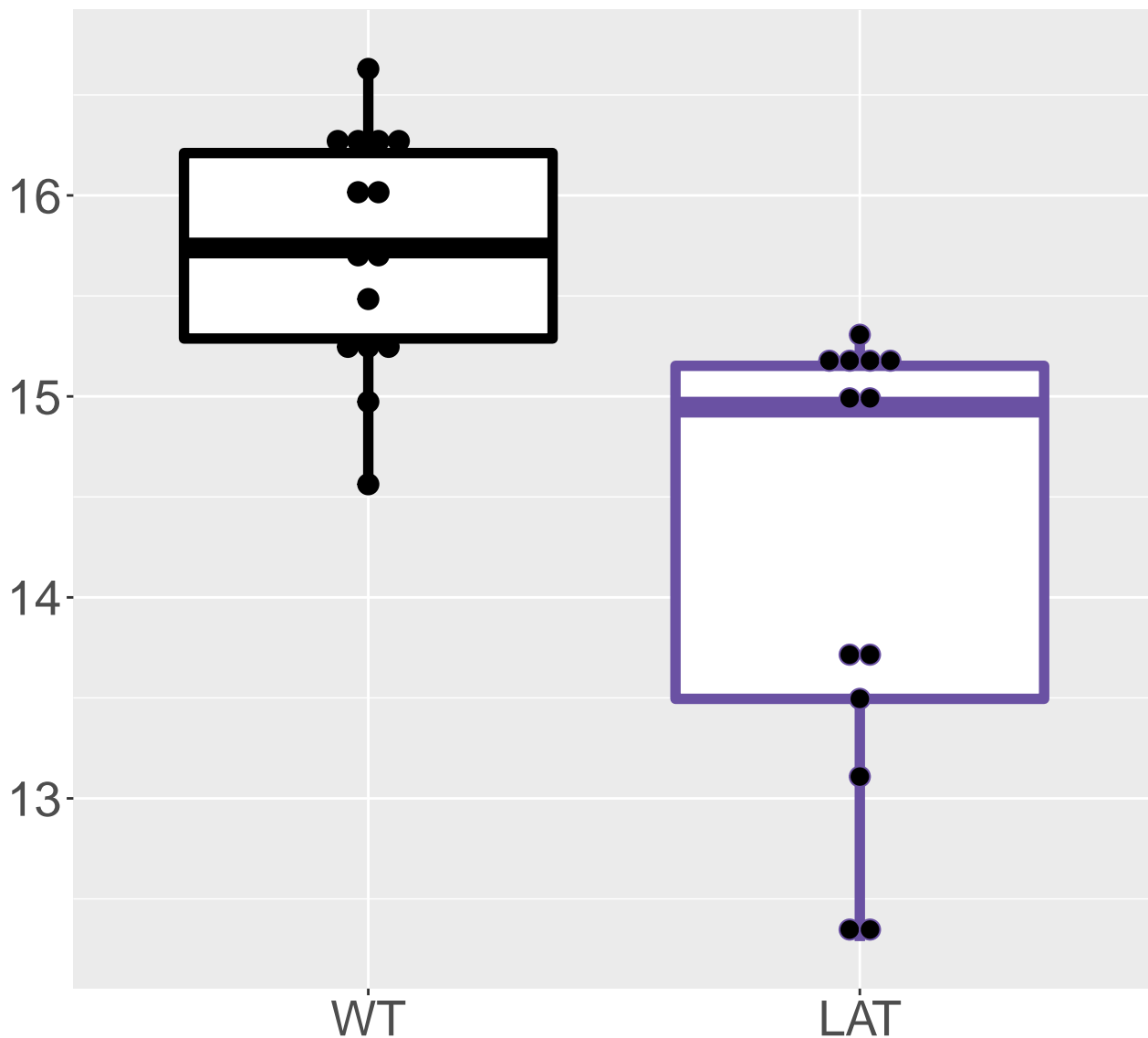


**M443.9816T257.72\_1**  
**FDR = 0.00092, FC = -1.7**



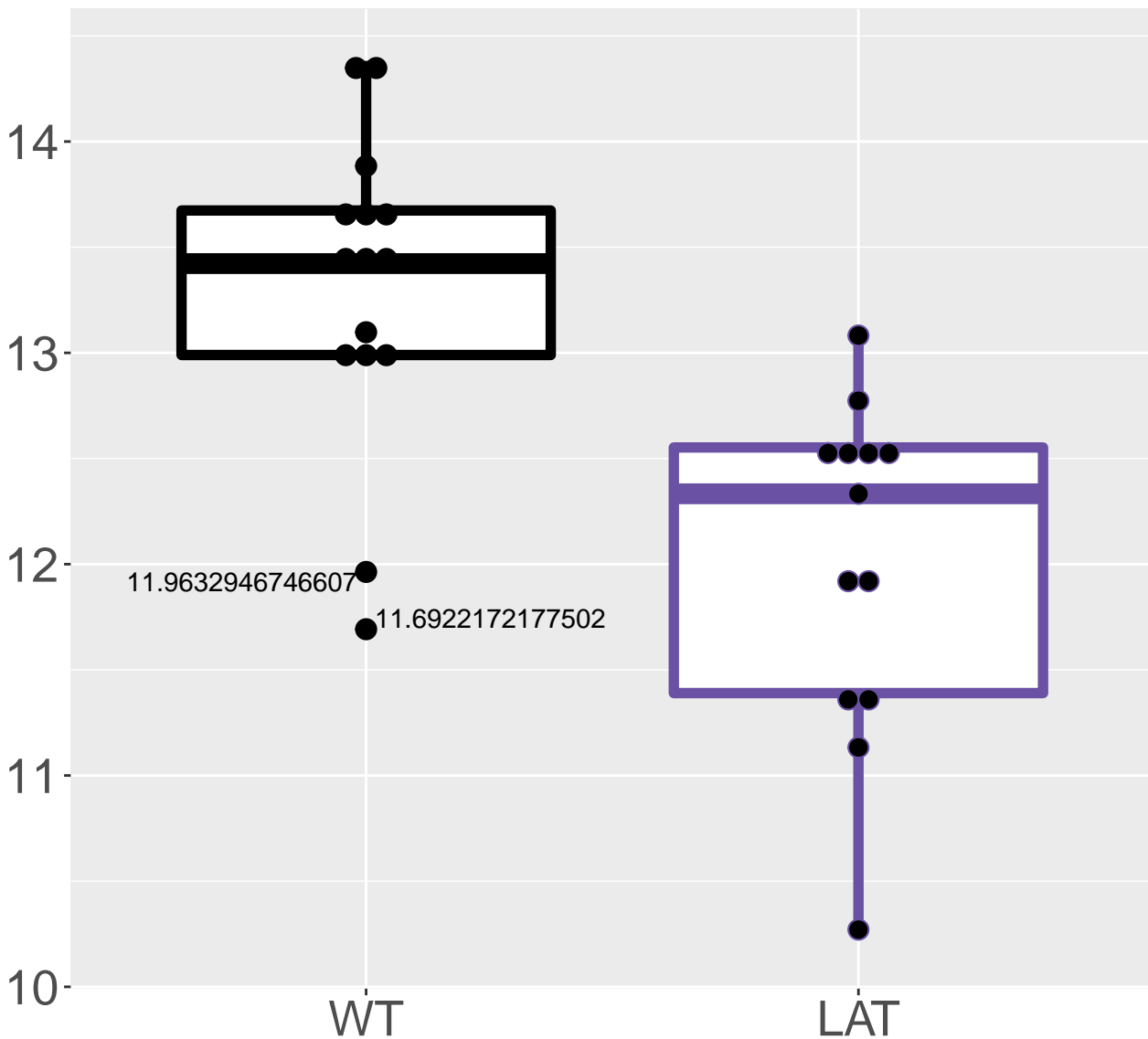
**M198.0196T80.48**

**FDR = 0.00092, FC = -1.5**



**M310.2003T259.82\_2**

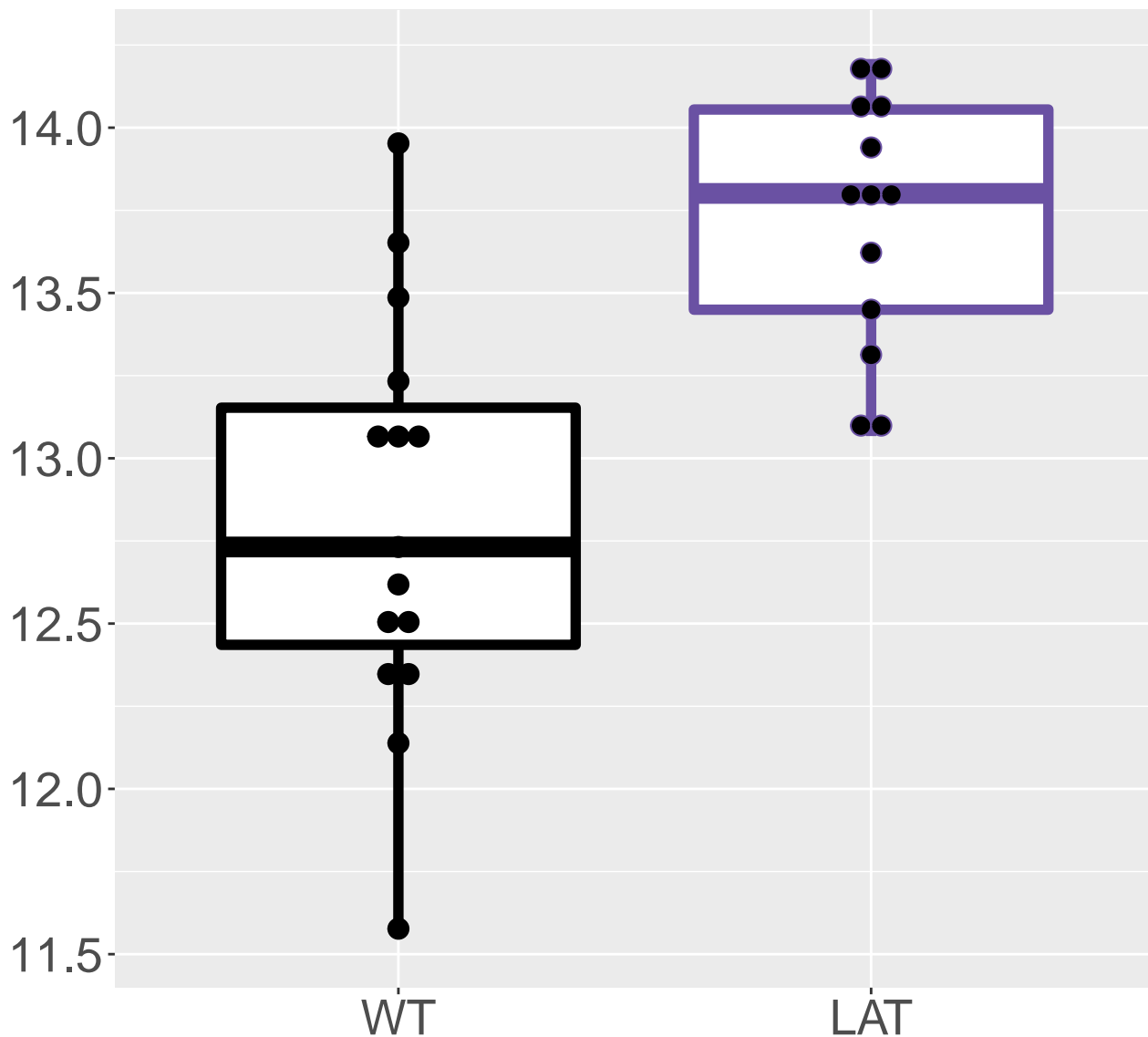
**FDR = 0.00092,  $\overline{FC} = -1.3$**



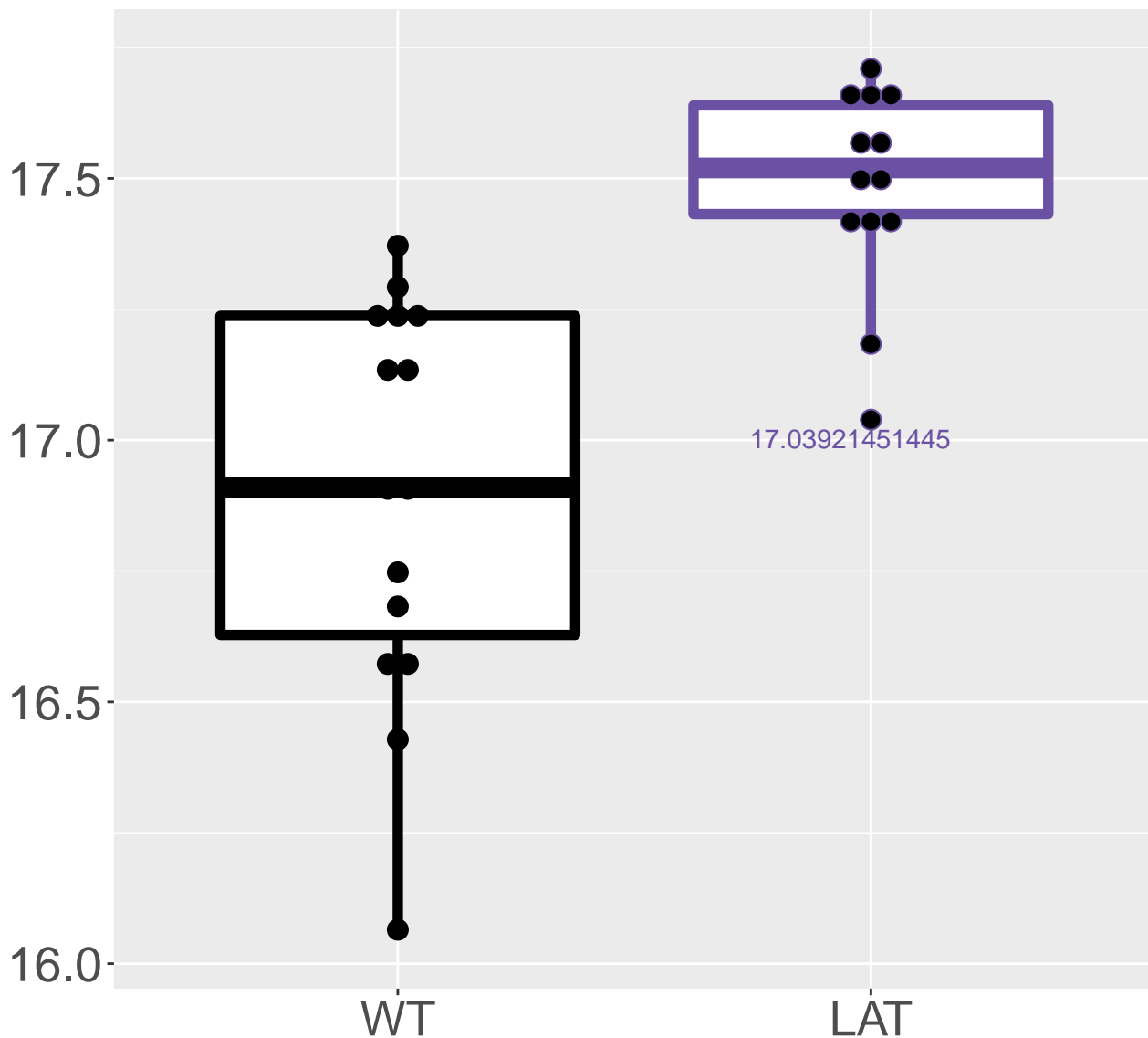


**M325.4454T264.11\_2**

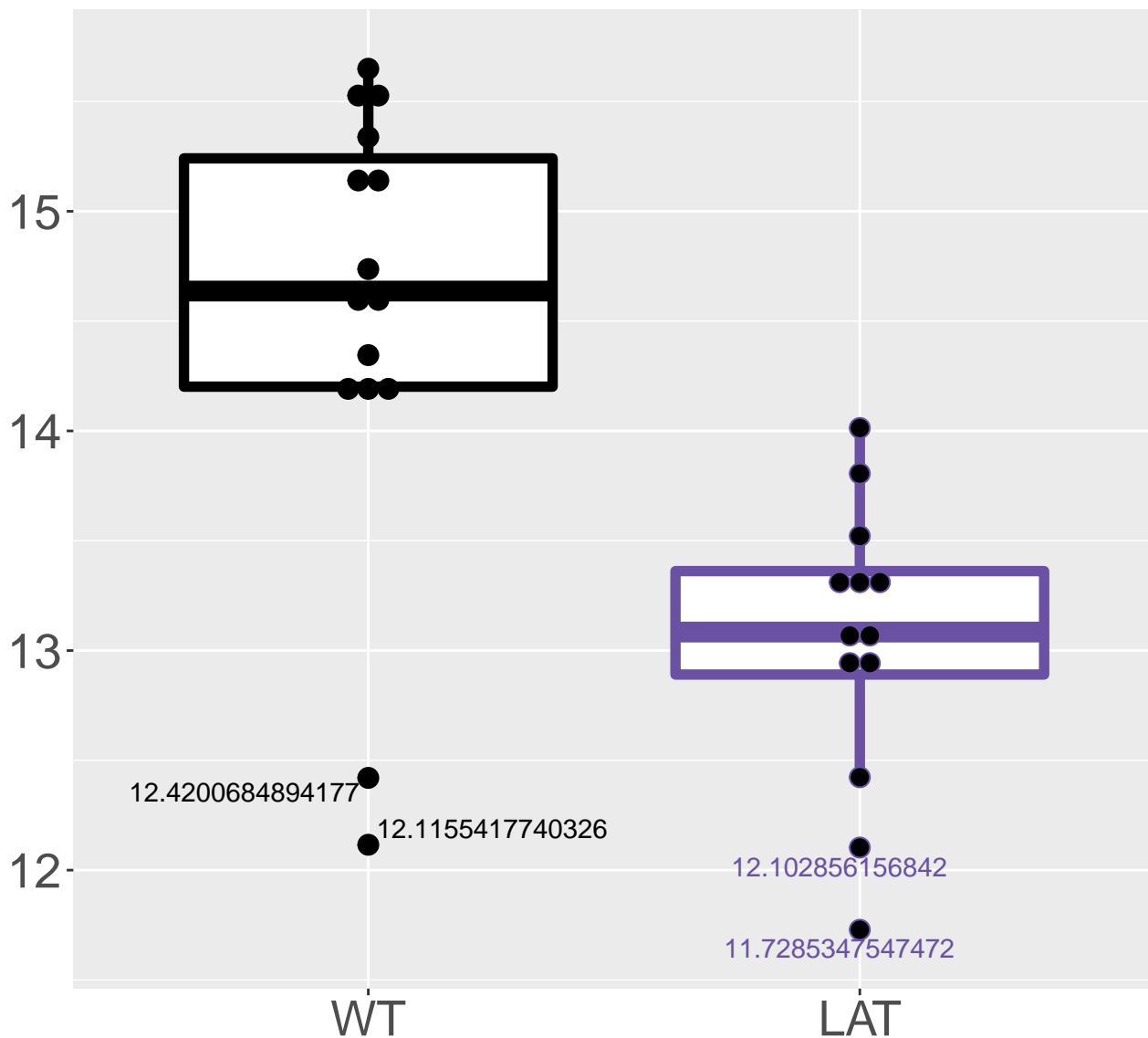
**FDR = 0.00094, FC = 0.9**



**M410.9059T246.9\_2**  
**FDR = 0.00094, FC = 0.58**

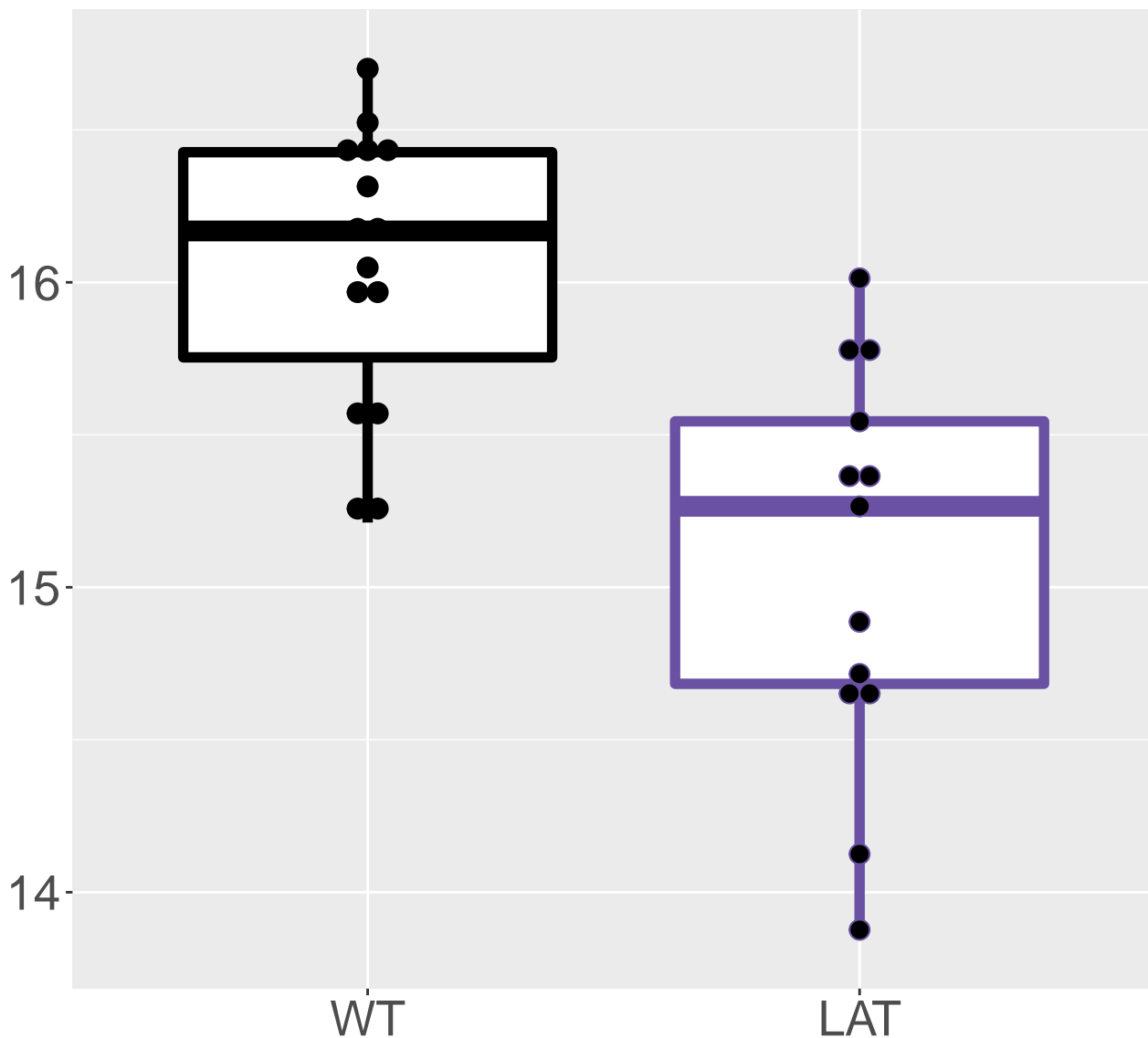


**FDR = 0.00096, FC = -1.5**



**M126.0272T75.48\_3**

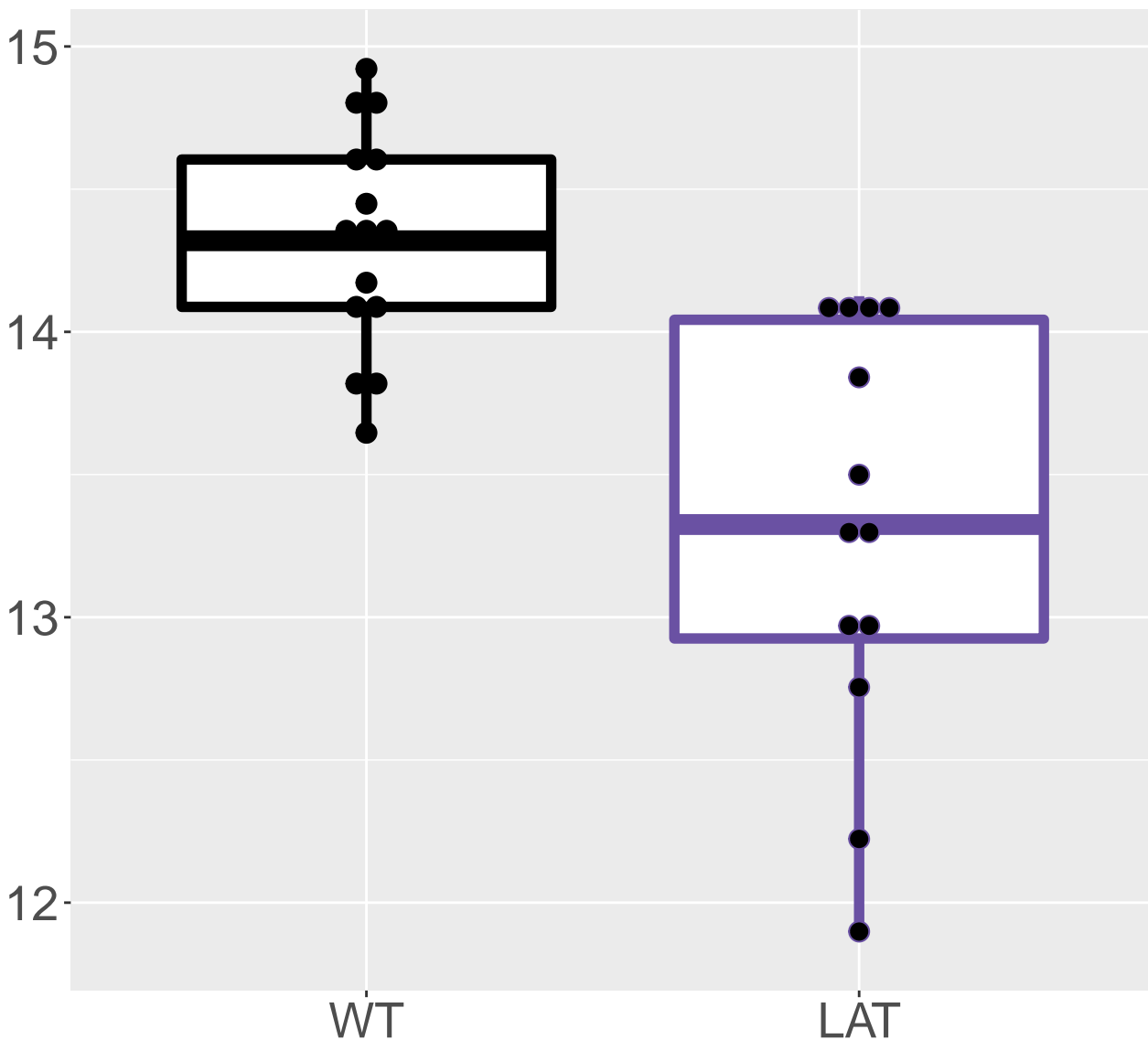
**FDR = 0.00097, FC = -0.98**



**FDR = 0.00097, FC = -1.2**

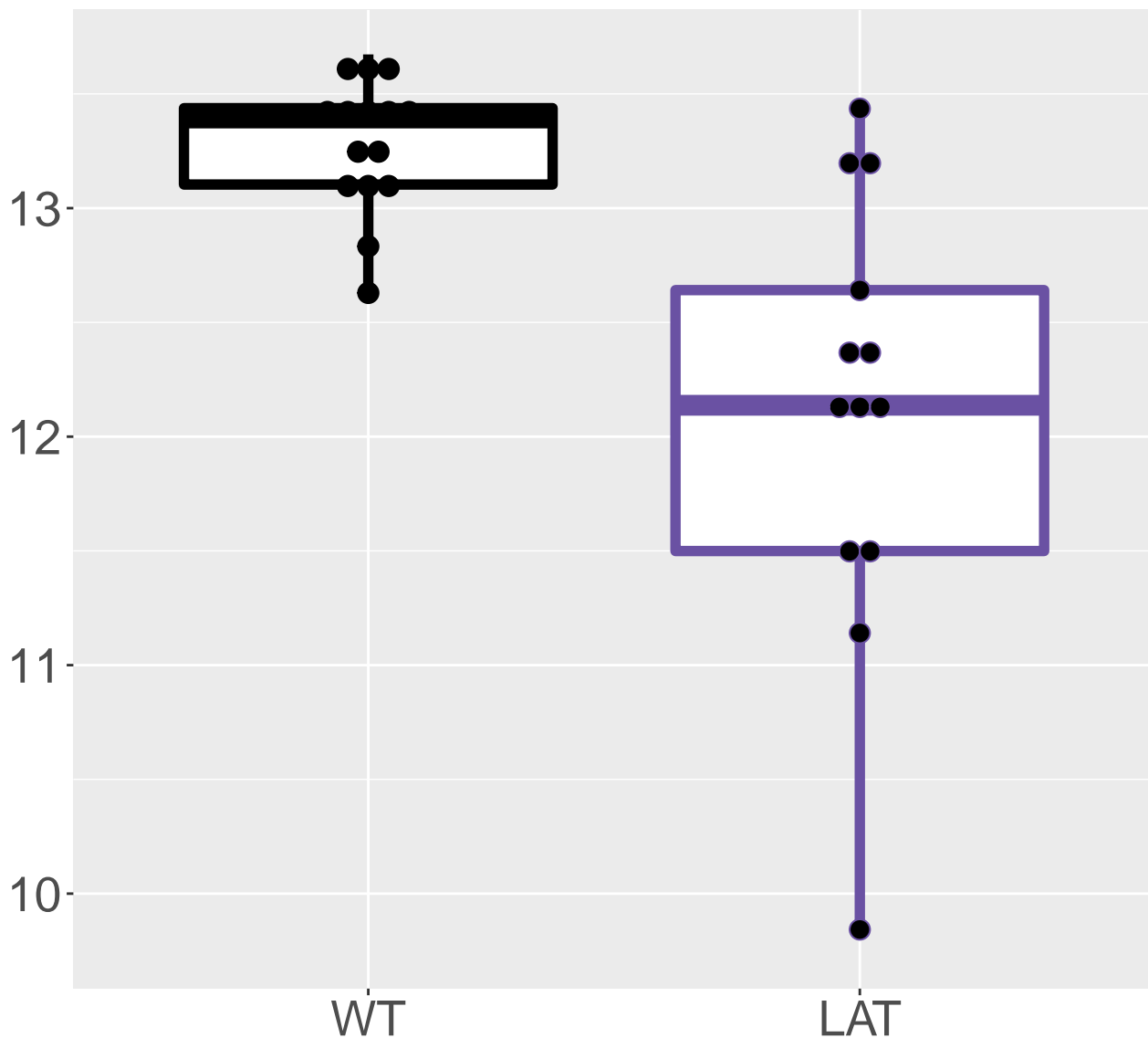


**M488.0137T281.78\_1**  
**FDR = 0.00098, FC = -1**

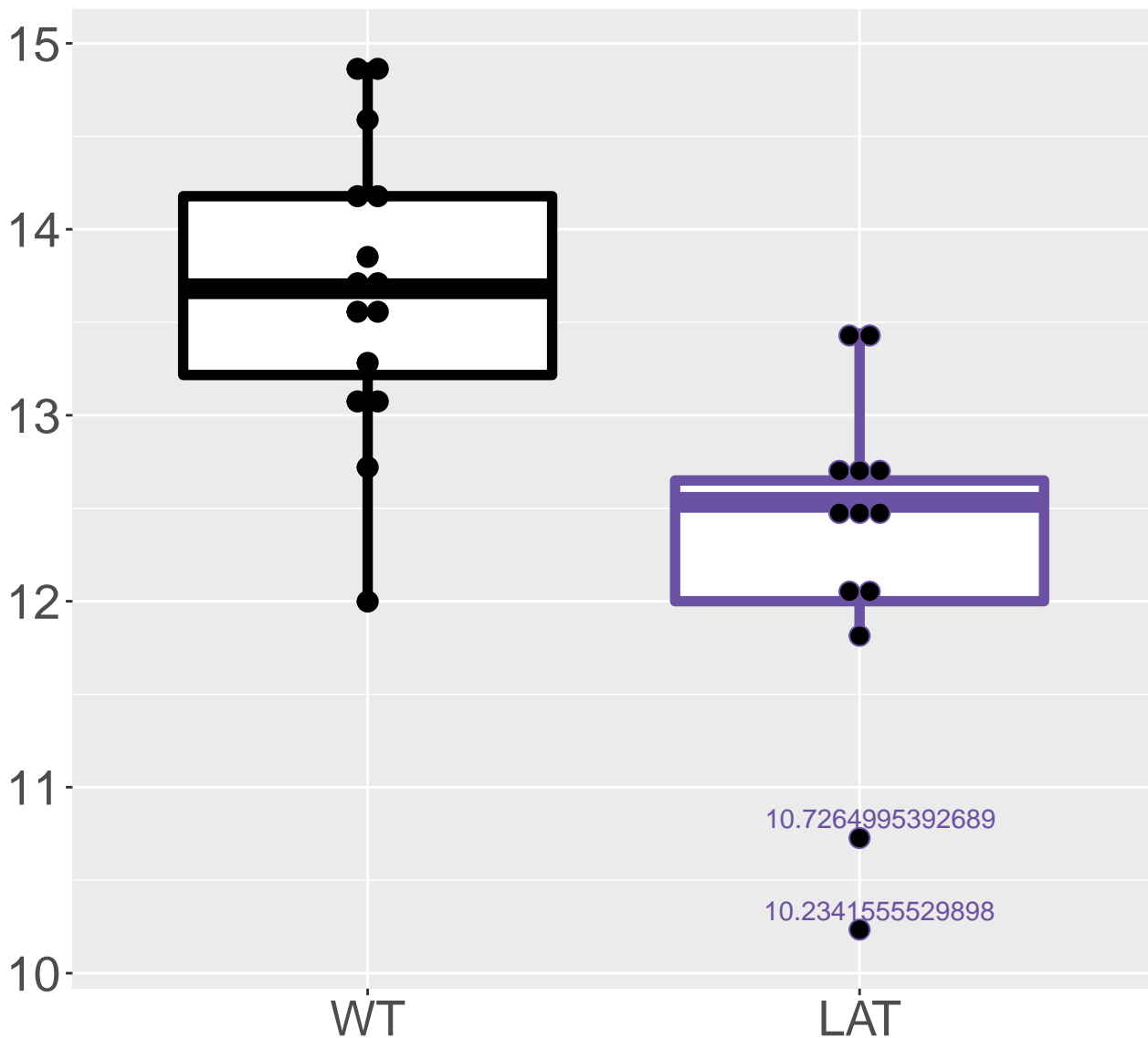


**M266.1561T178.57**

**FDR = 0.00099, FC = -1.2**

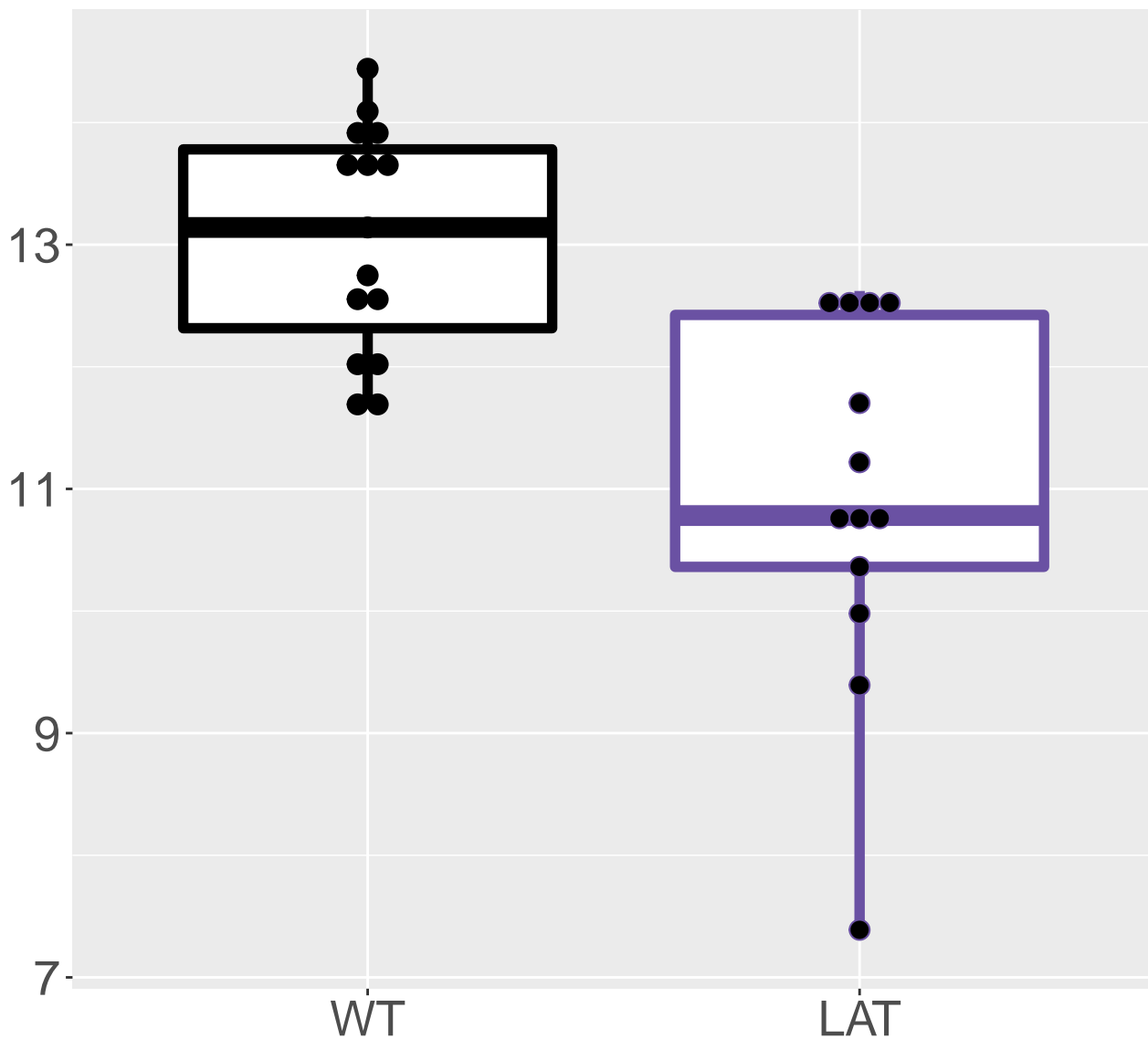


**M389.7461T240.72\_1**  
**FDR = 0.00099, FC = -1.4**

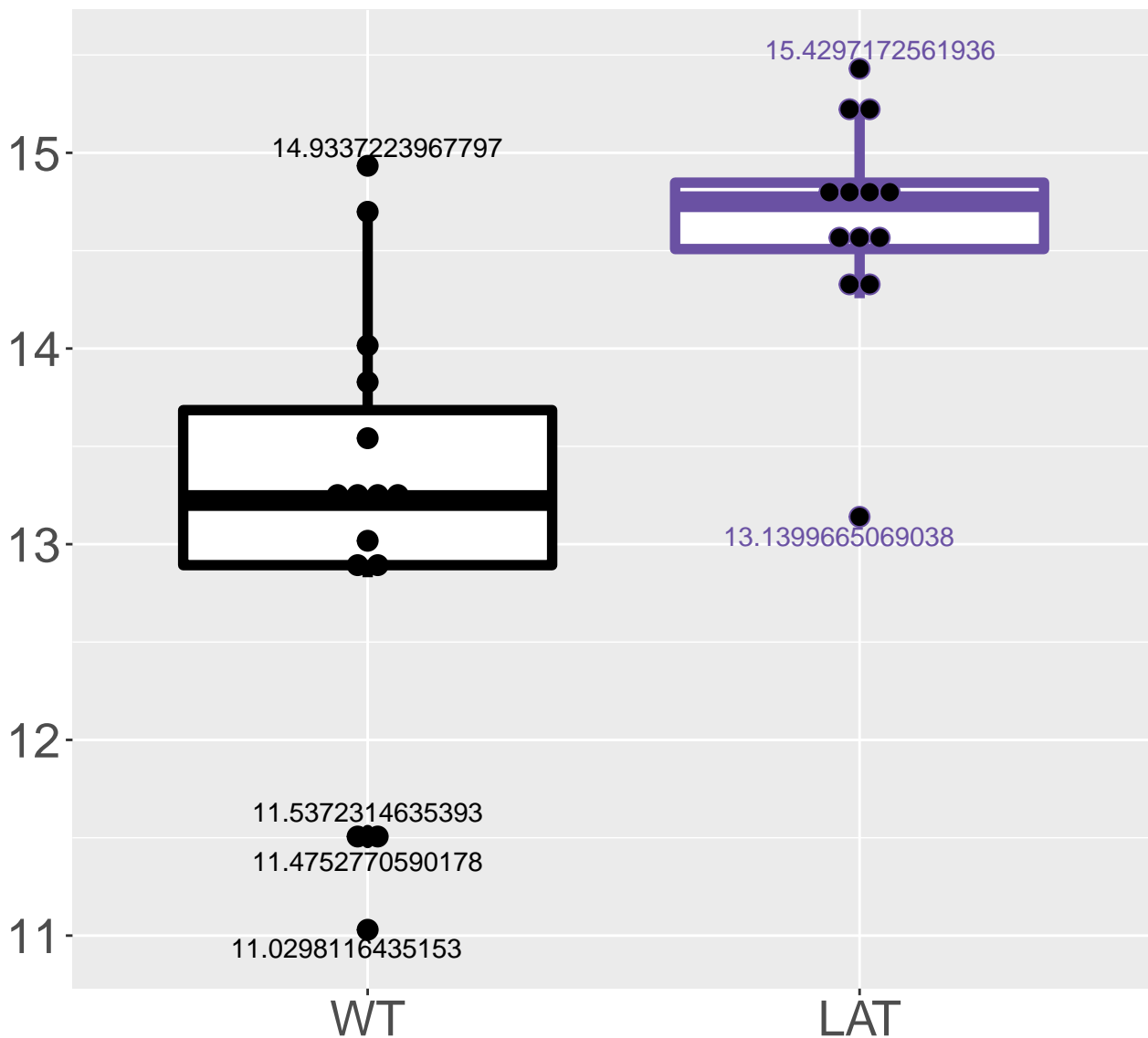




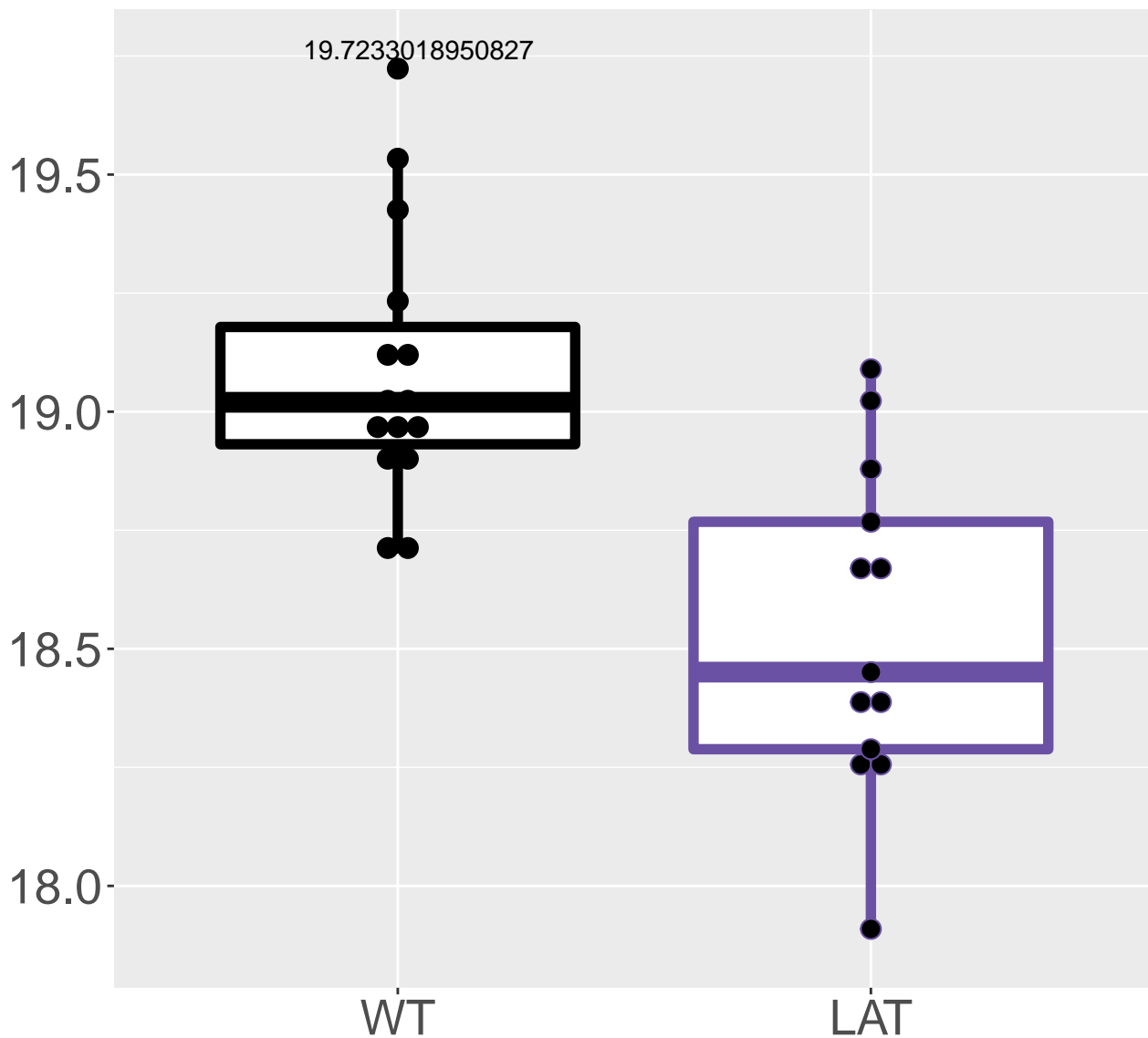
**M472.0136T246.75\_2**  
**FDR = 0.001, FC = -2.1**



**FDR = 0.001, FC = 1.5**

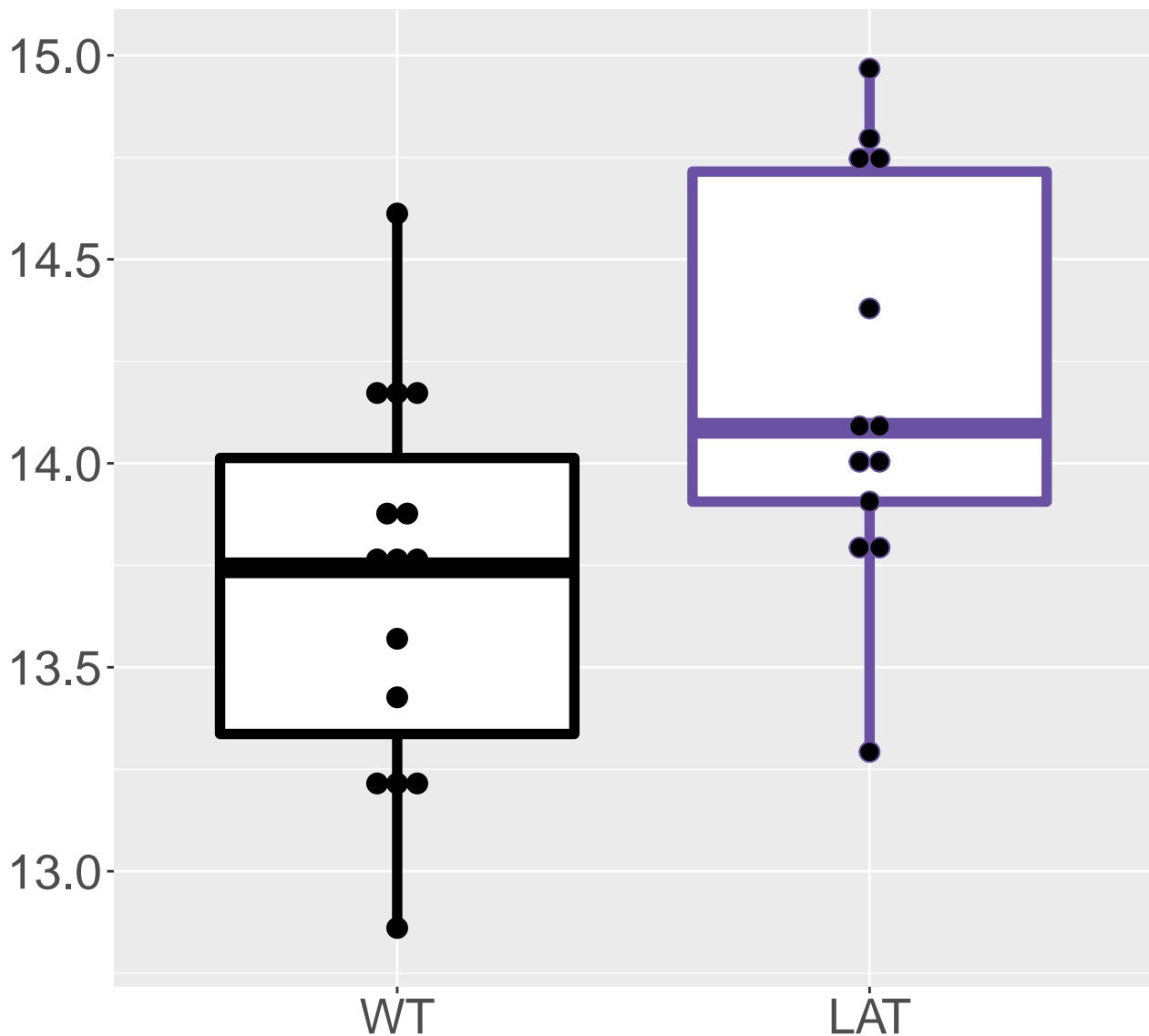


**FDR = 0.001, FC = -0.55**



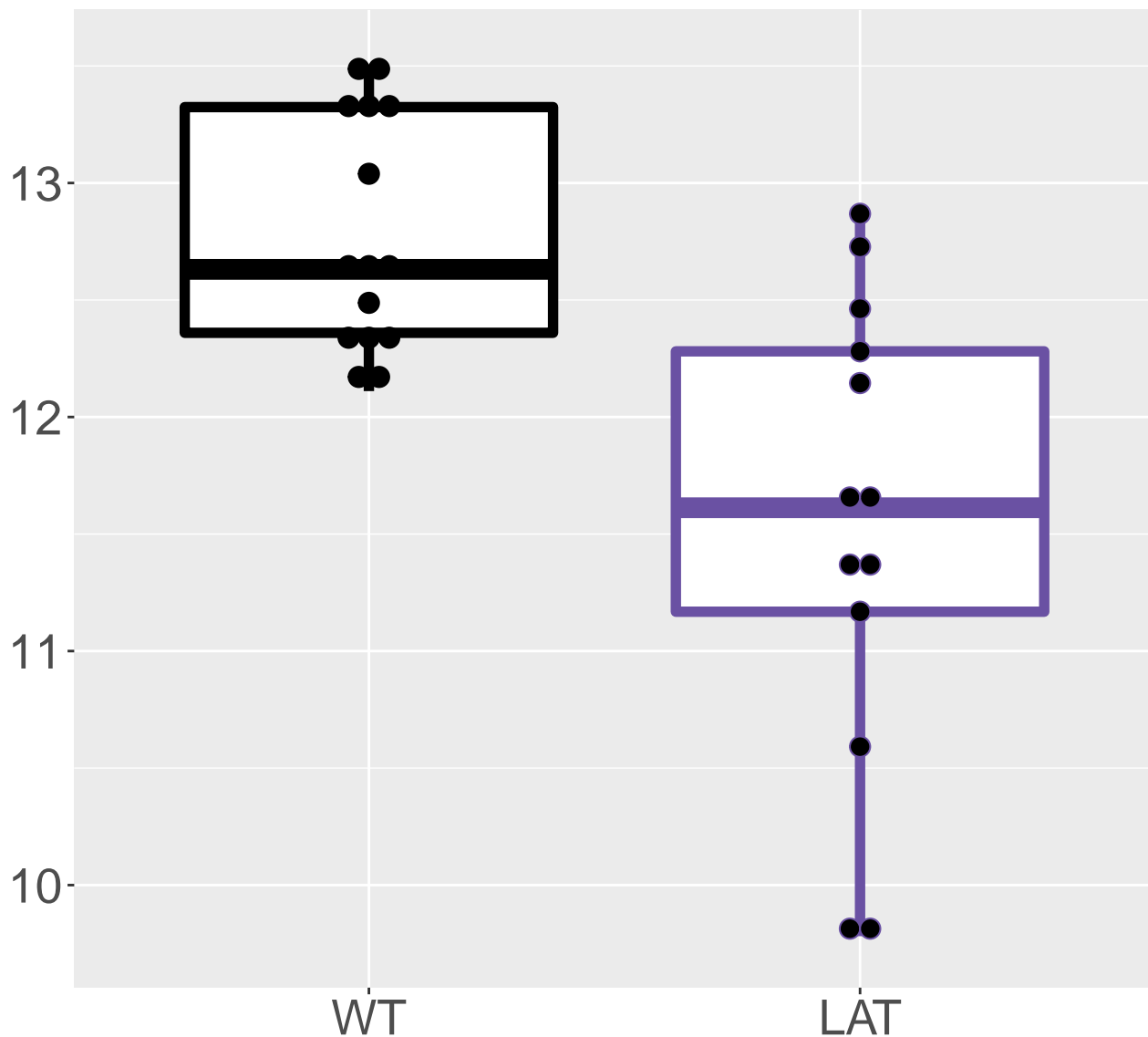
**M708.5449T333.15\_1**

**FDR = 0.001, FC = 0.49, sex\*\*\***



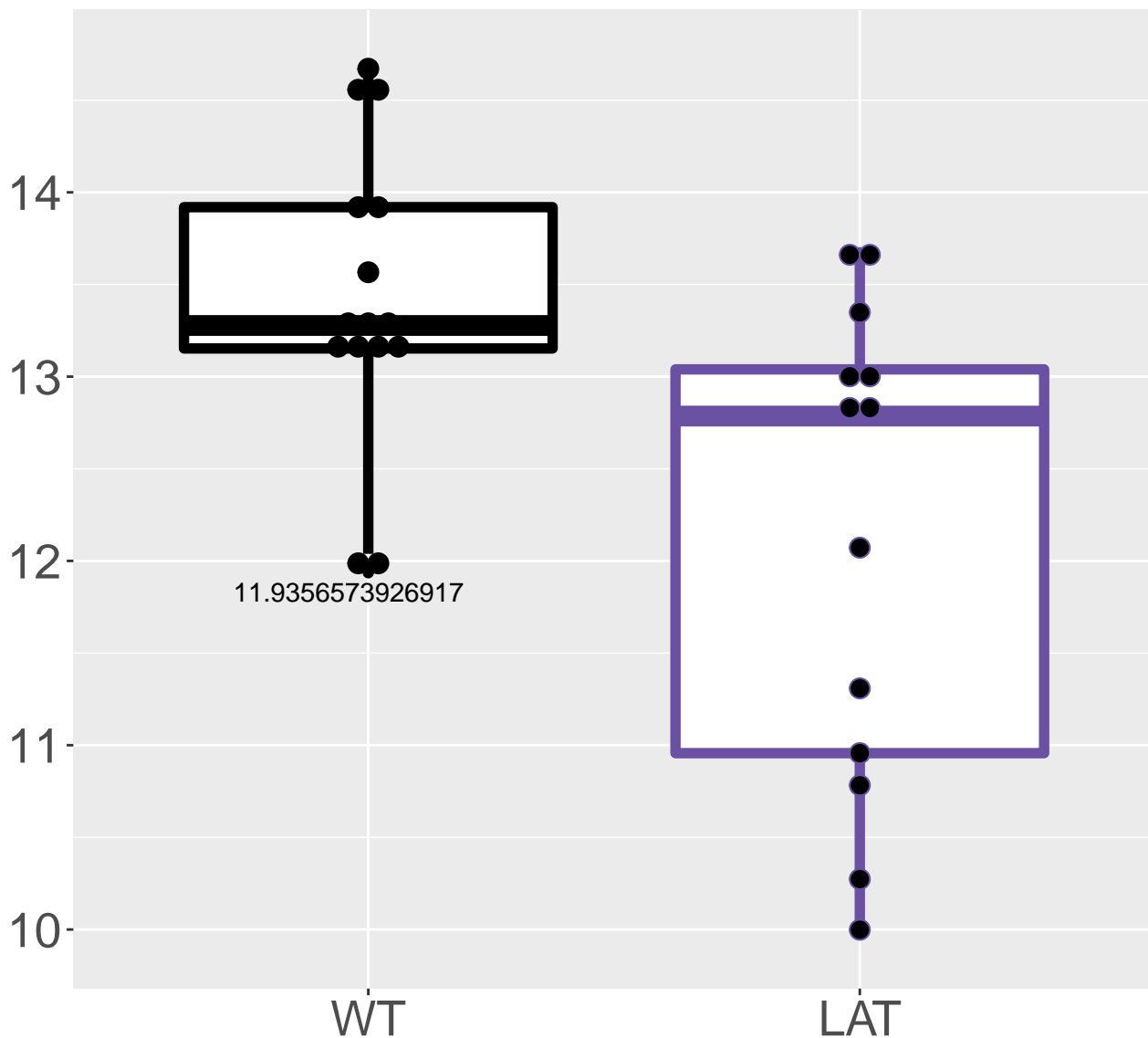
**M344.2246T276.72**

**FDR = 0.001, FC = -1.3**



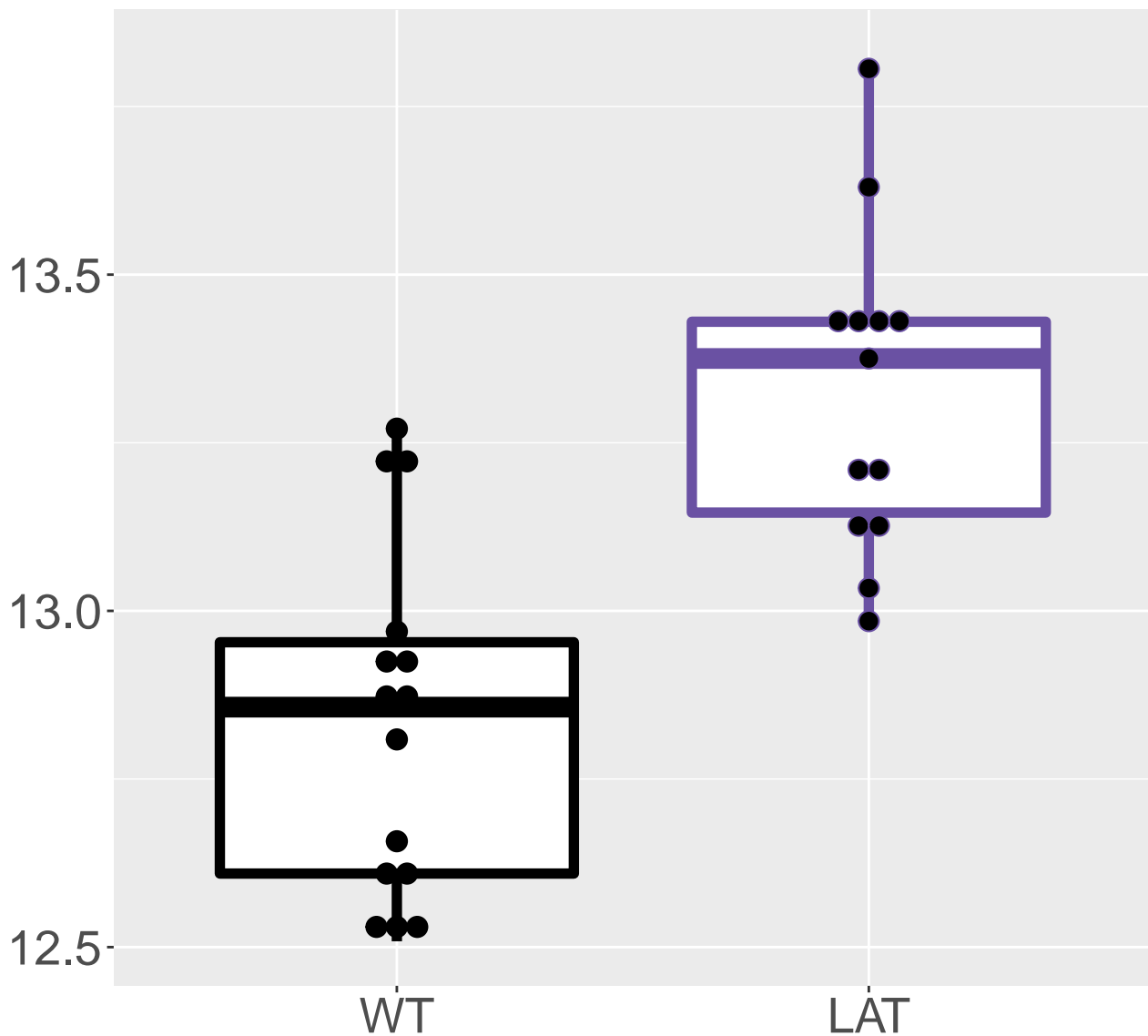
**M546.7018T343.93\_2**

**FDR = 0.001, FC = -1.3, sex\*\***

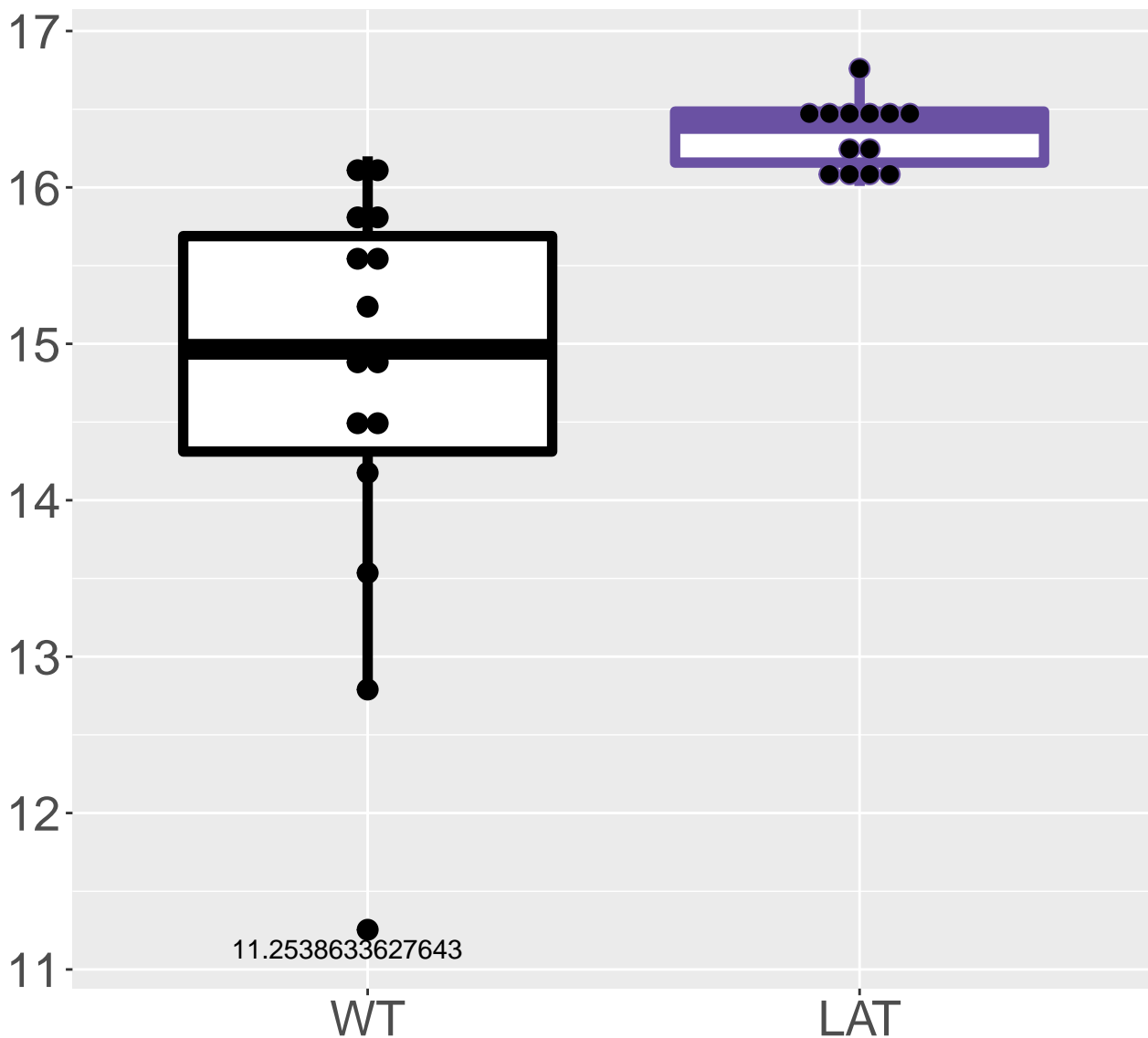


**M737.759T321.88**

**FDR = 0.001, FC = 0.49**

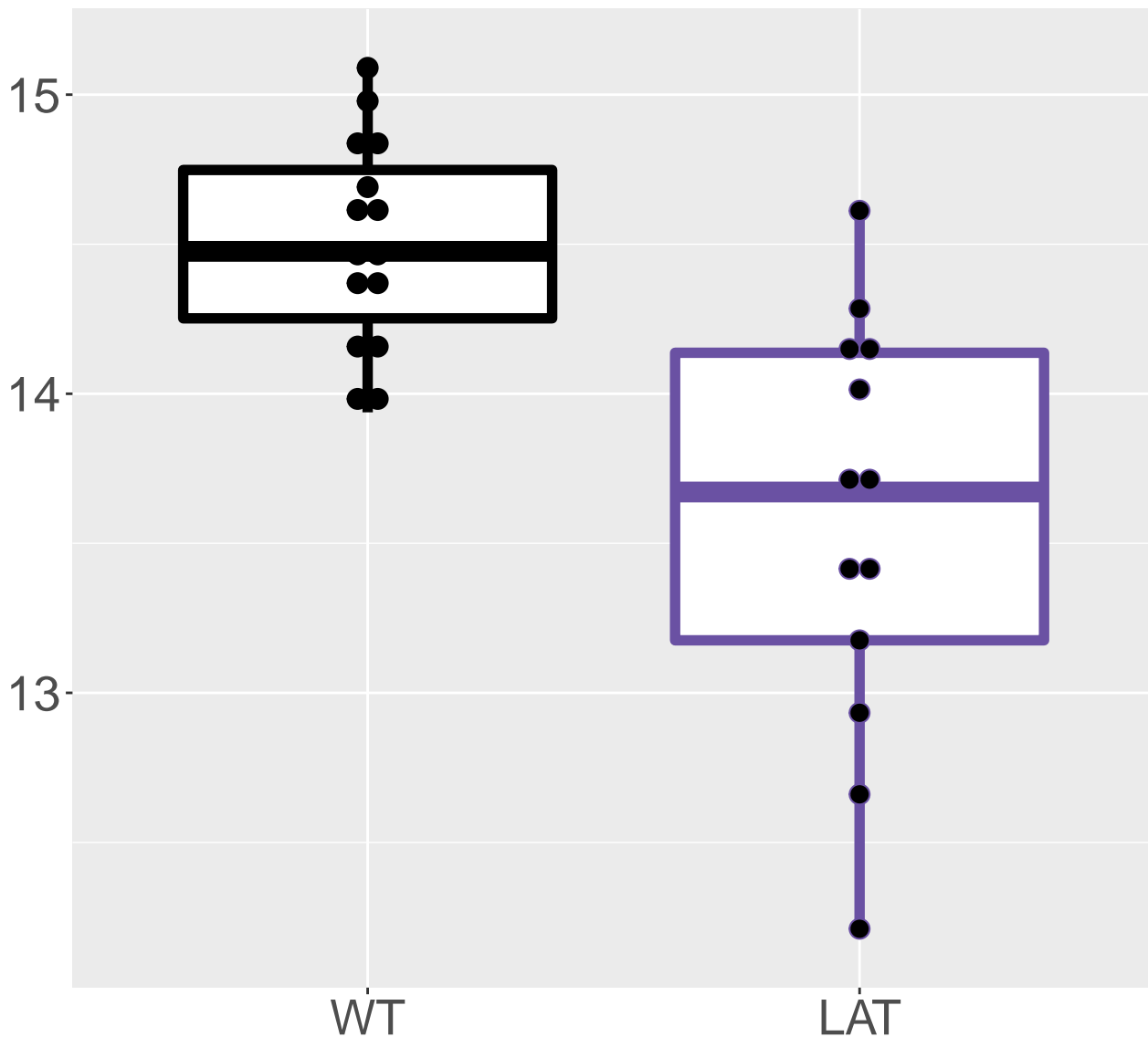


**FDR = 0.001, FC = 1.6**



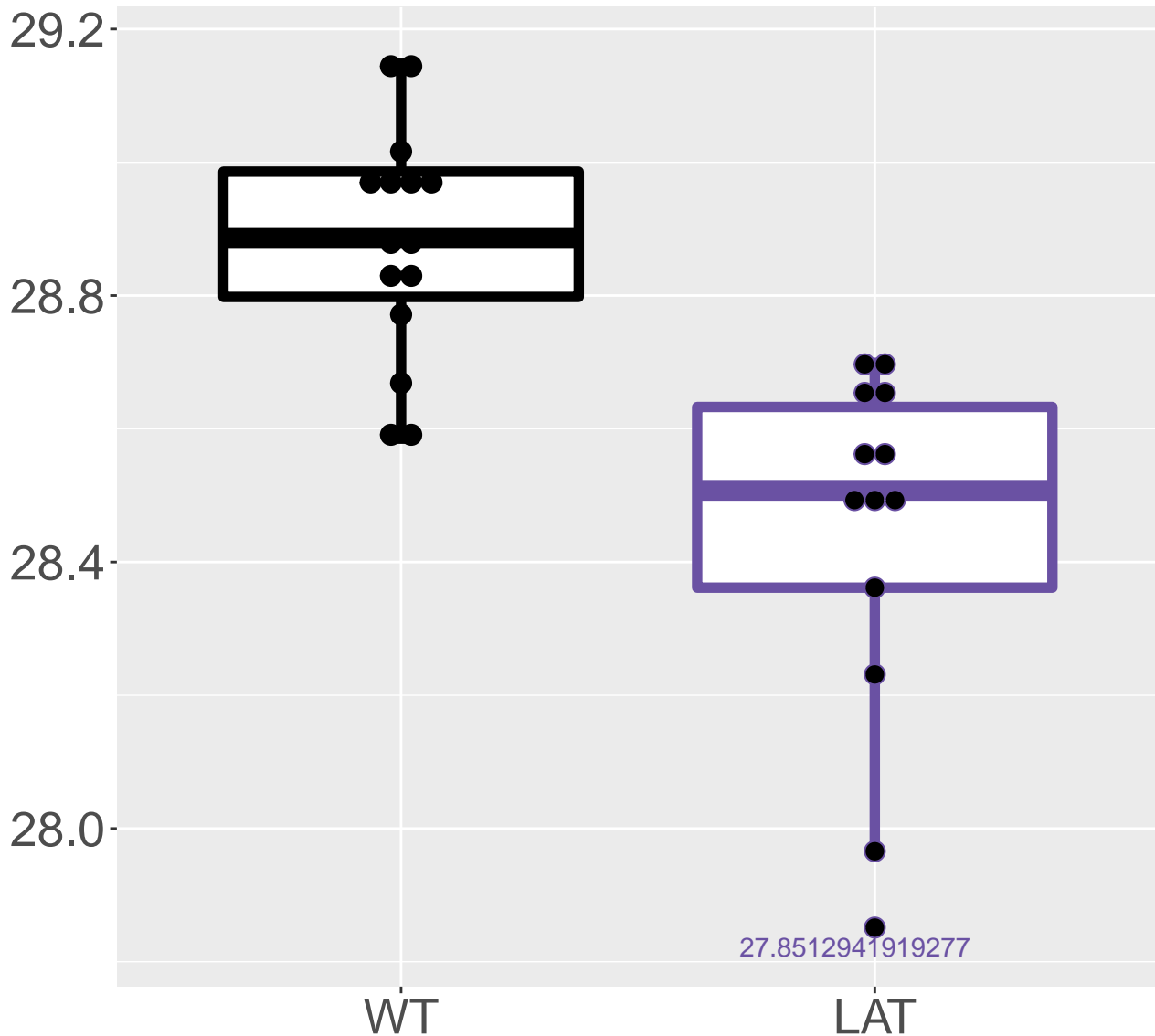


**M488.2642T282.21\_2**  
**FDR = 0.001, FC = -0.93**



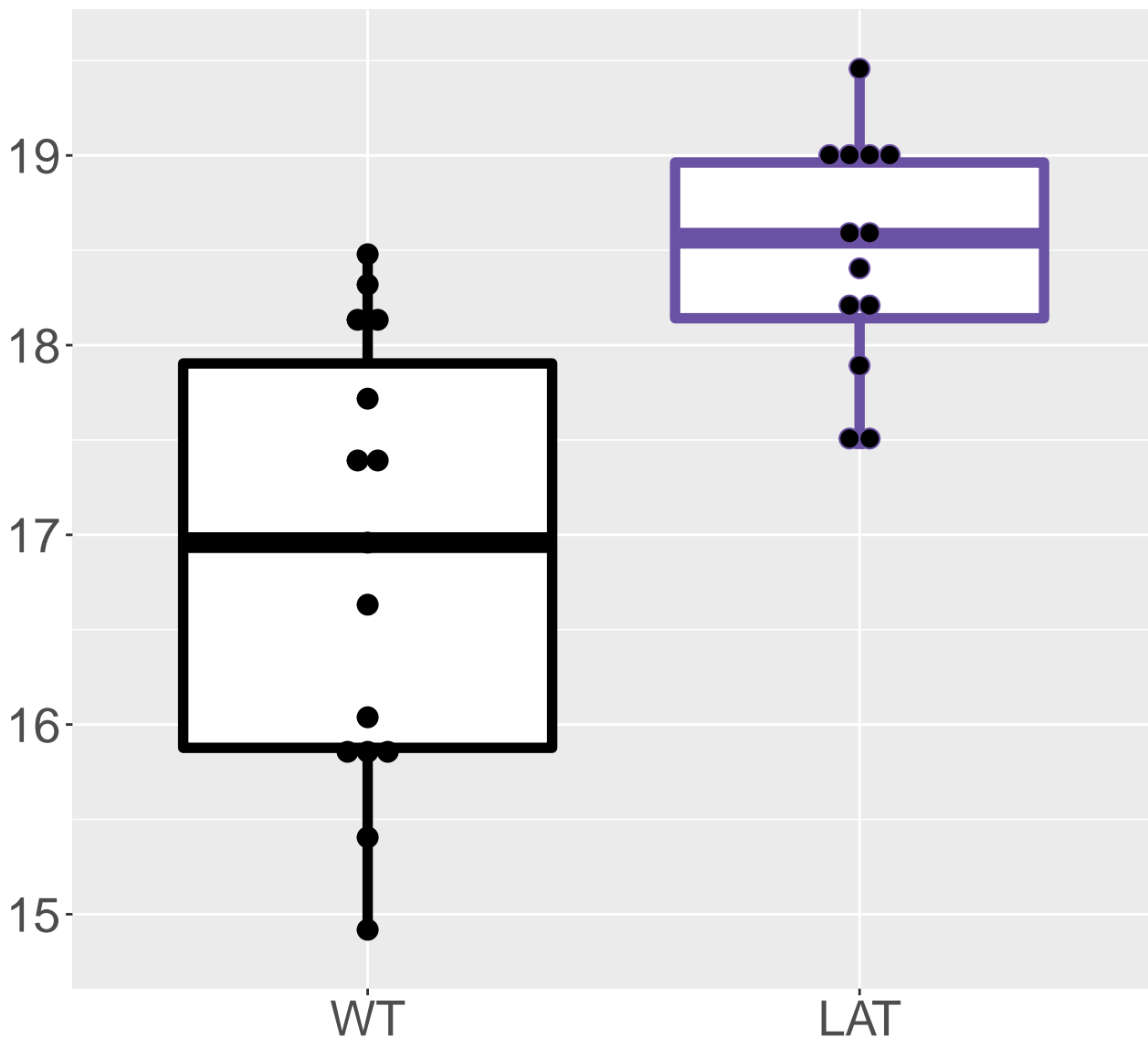
# L-Phenylalanine;Phenylalanine

FDR = 0.001, FC = -0.44



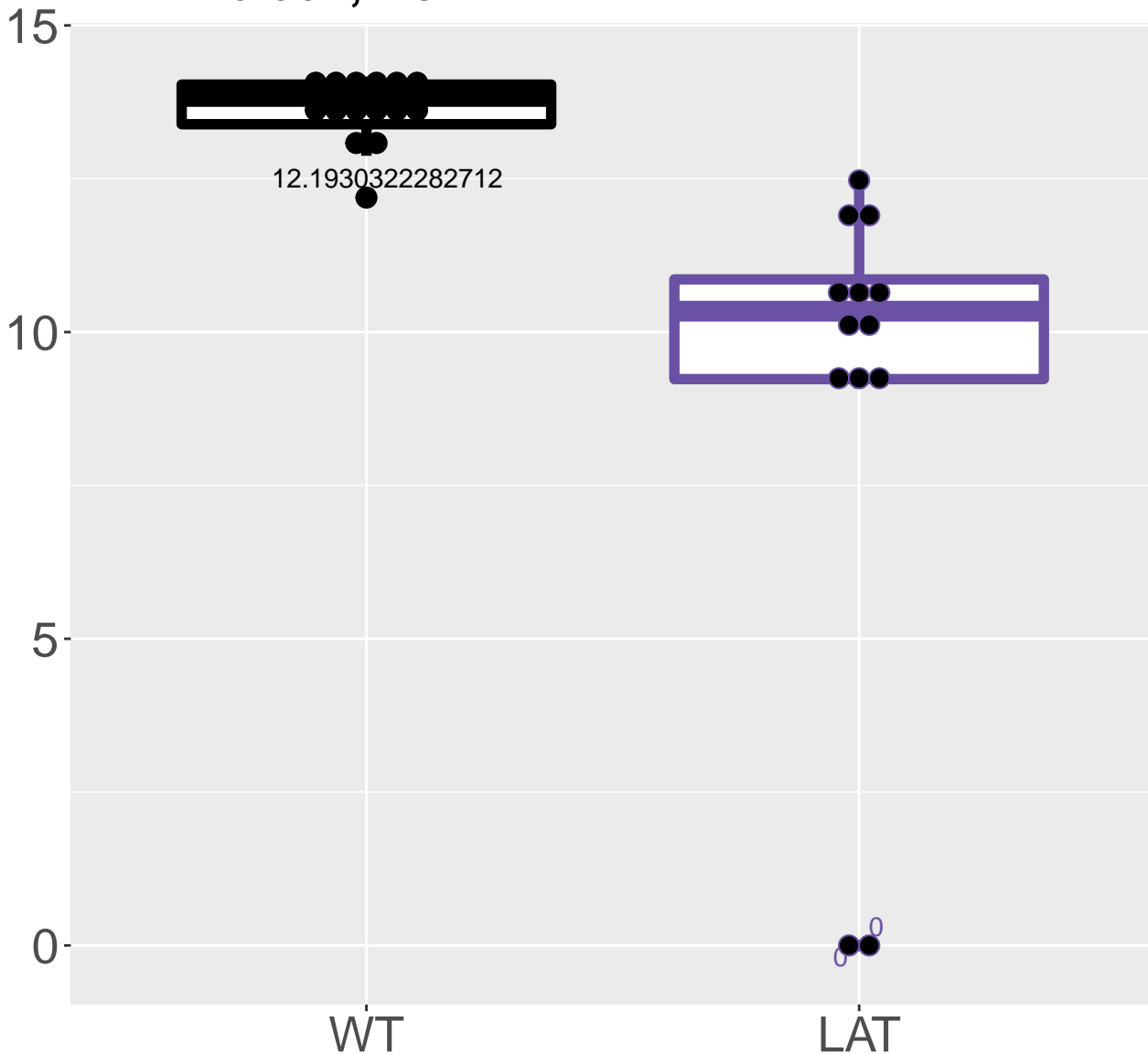
**M428.0385T55.45**

**FDR = 0.001, FC = 1.6**

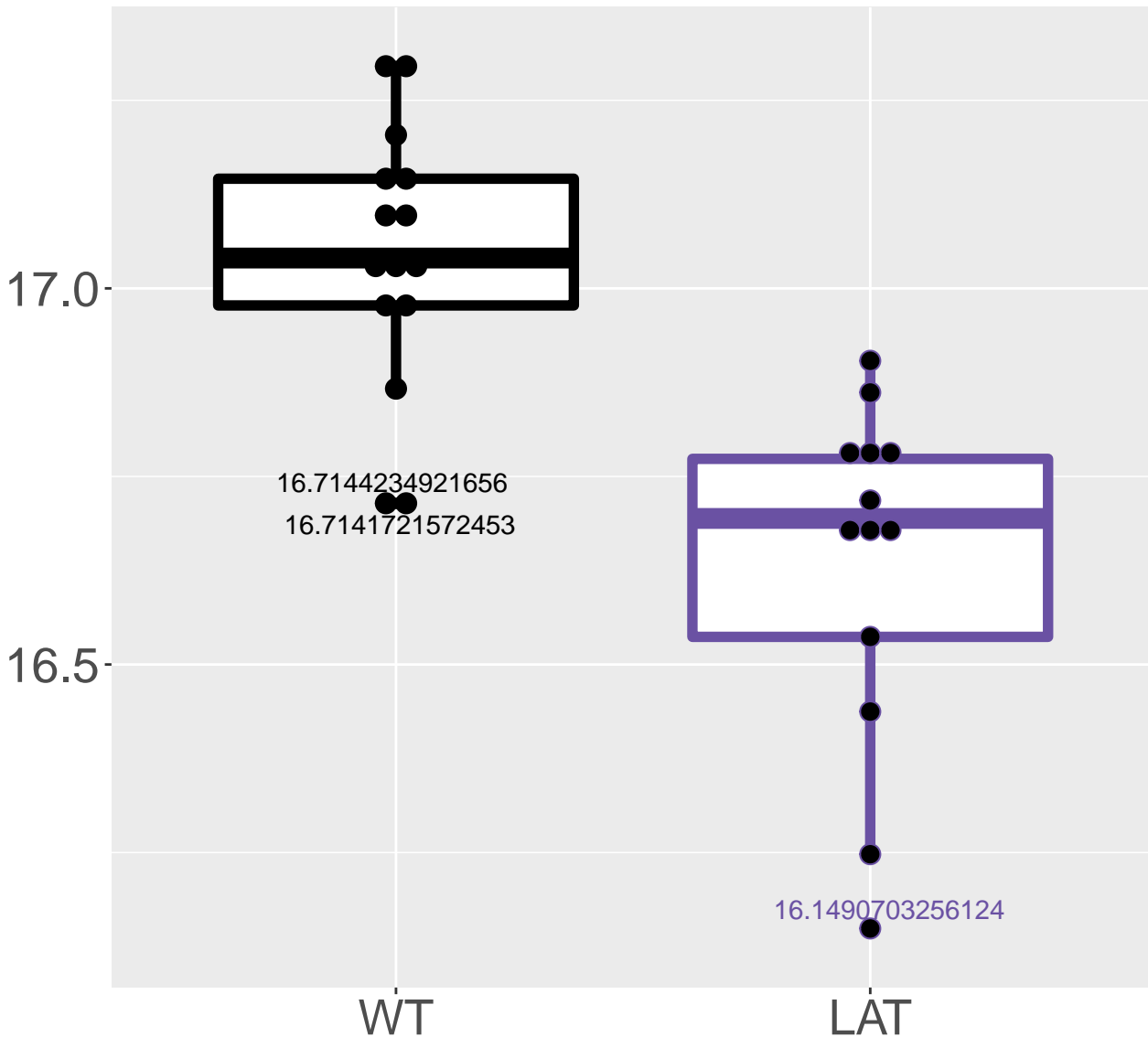


**M233.1549T82.29**

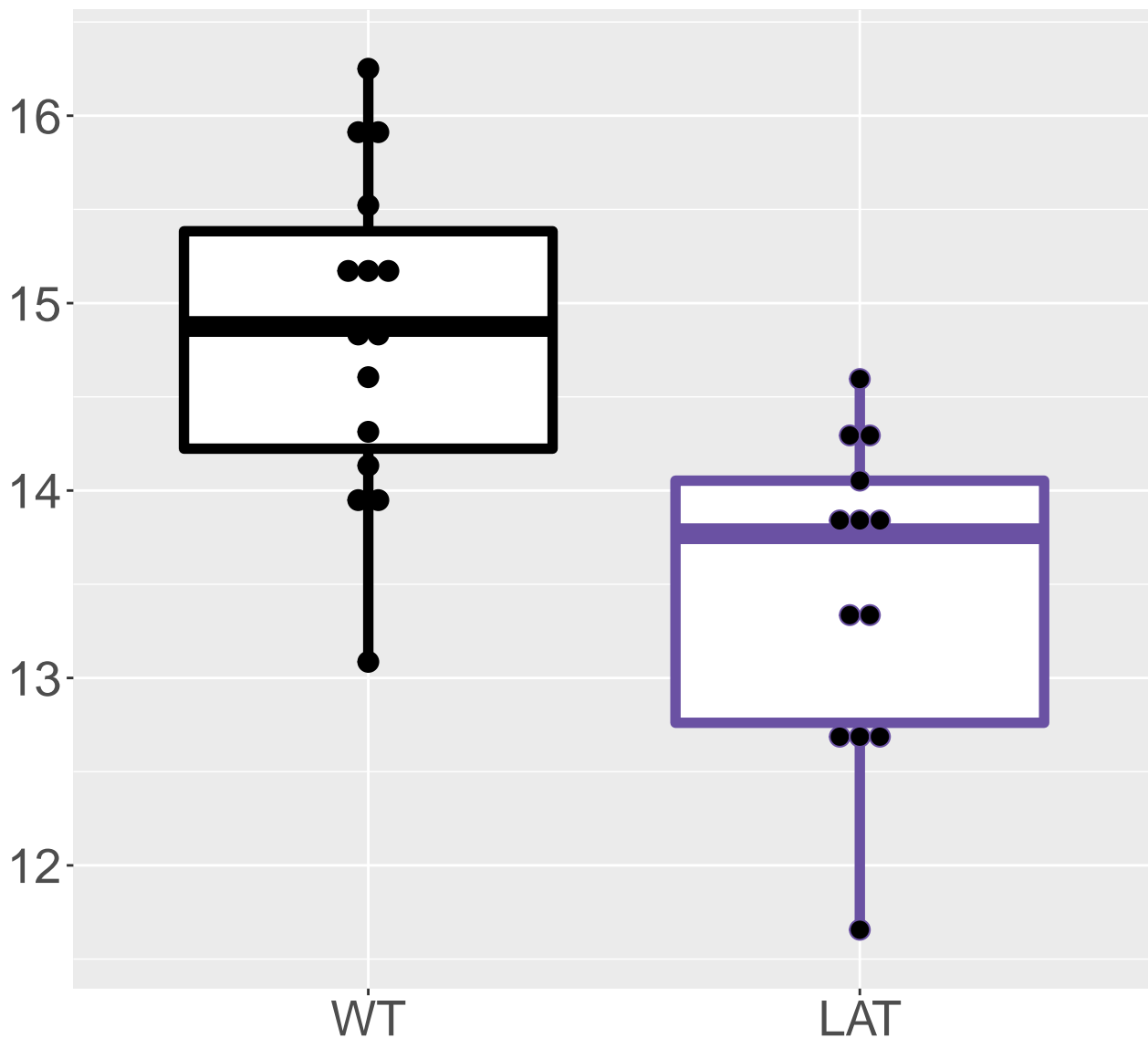
**FDR = 0.001, FC = -4.7**



**FDR = 0.001, FC = -0.41**

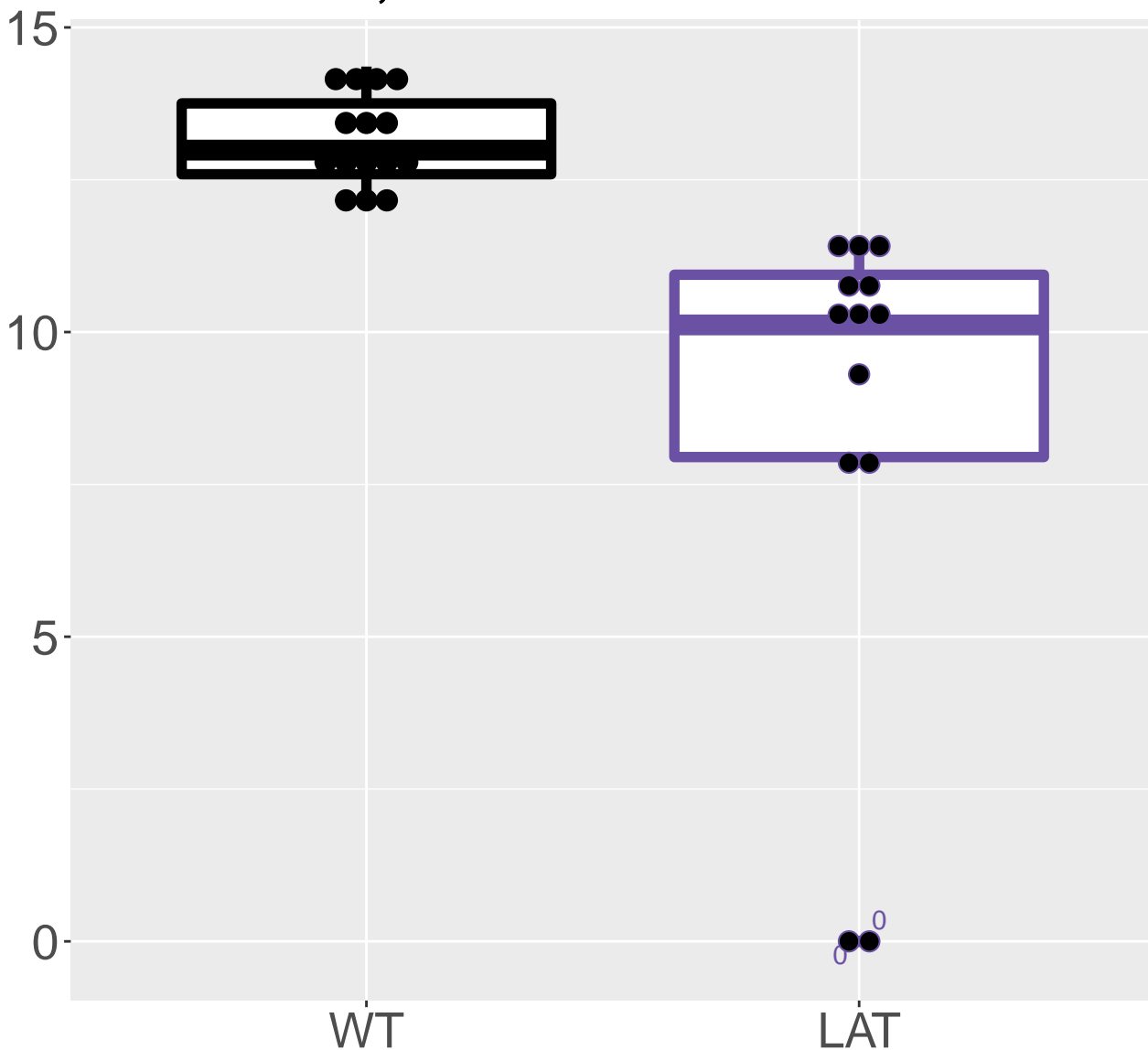


**M494.6871T378.7\_1**  
**FDR = 0.001, FC = -1.4**

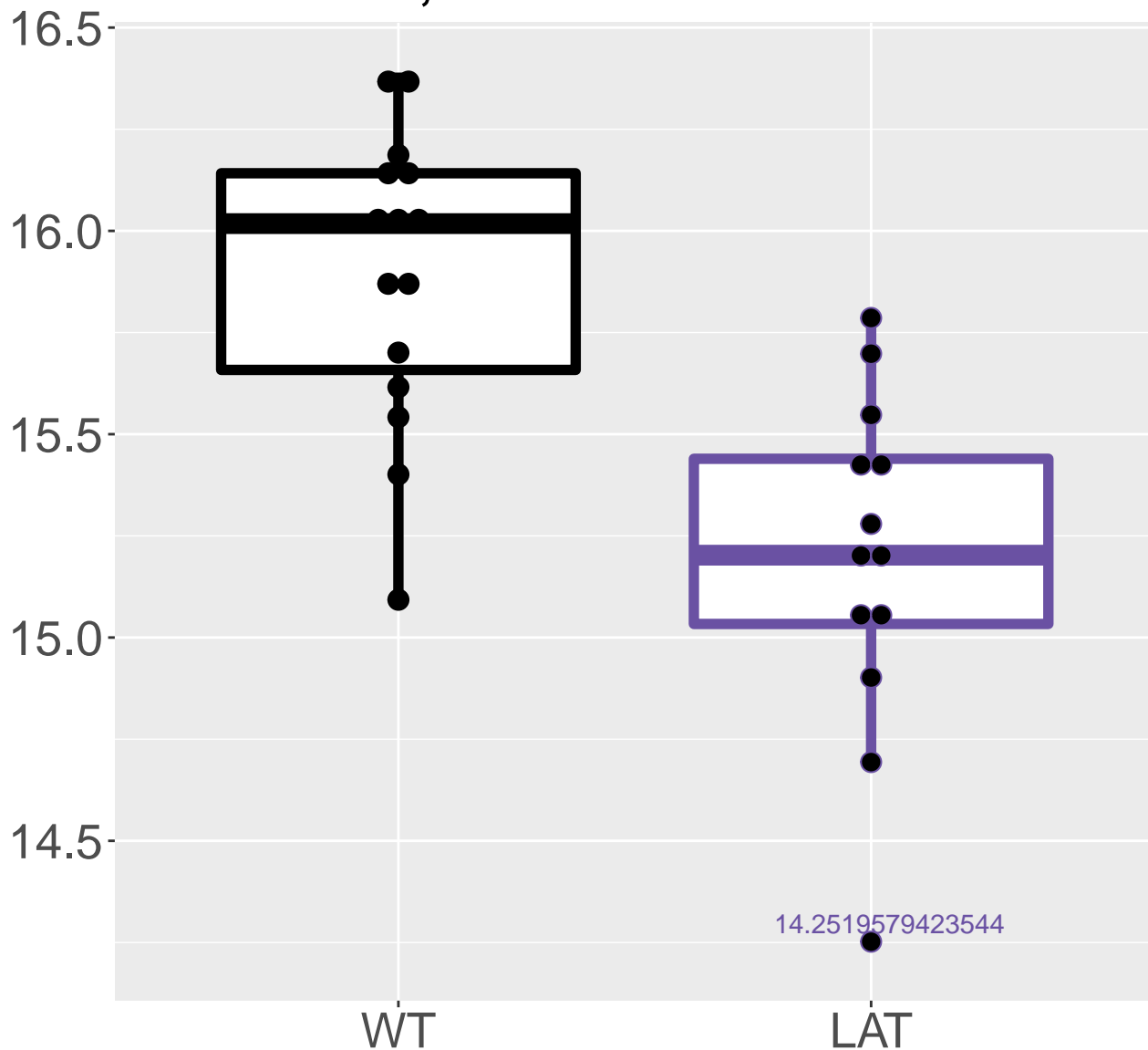


**M320.2107T134.12\_3**

**FDR = 0.0011, FC = -4.5**

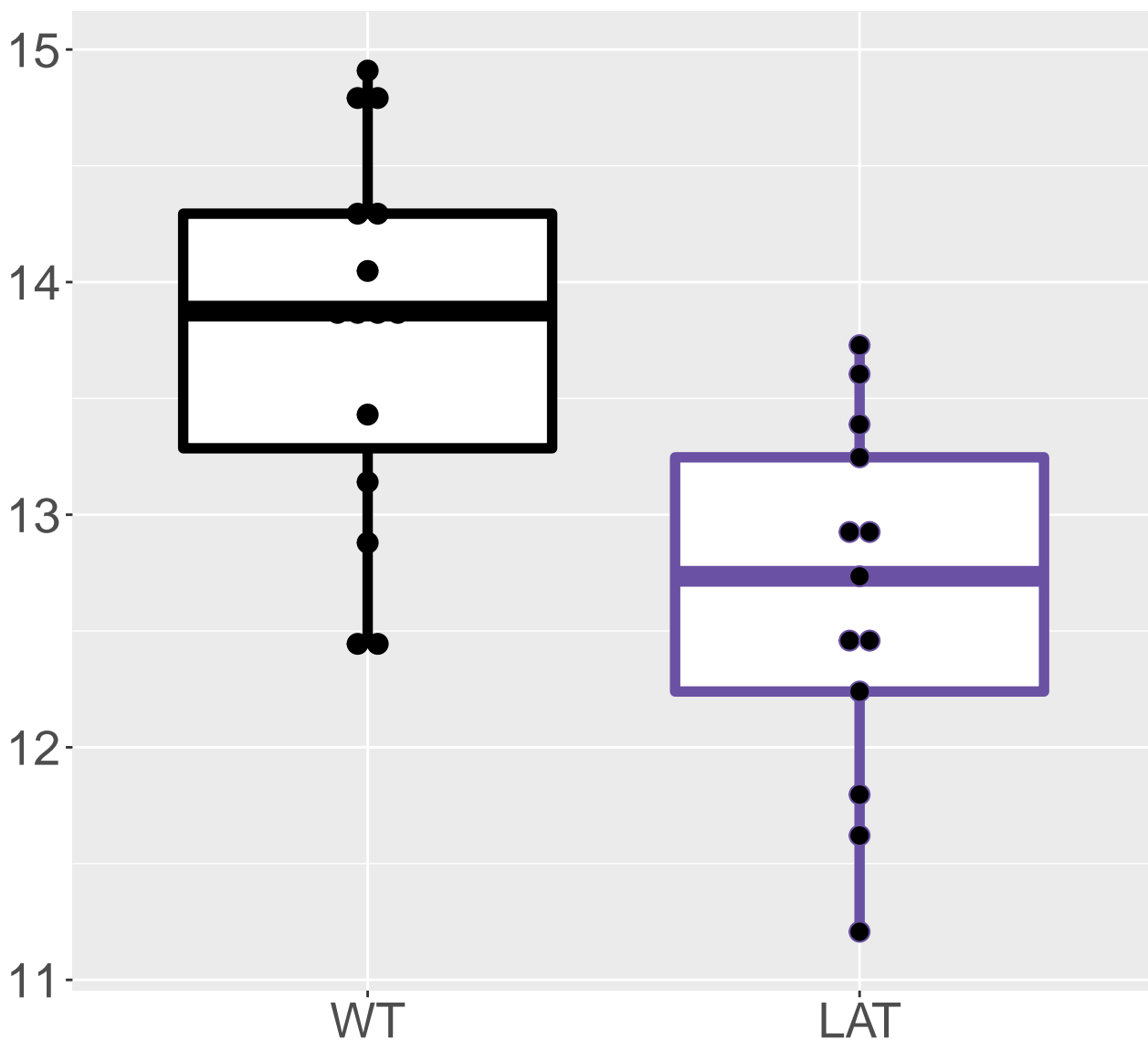


**M744.6802T369.79\_2**  
**FDR = 0.0011, FC = -0.7**

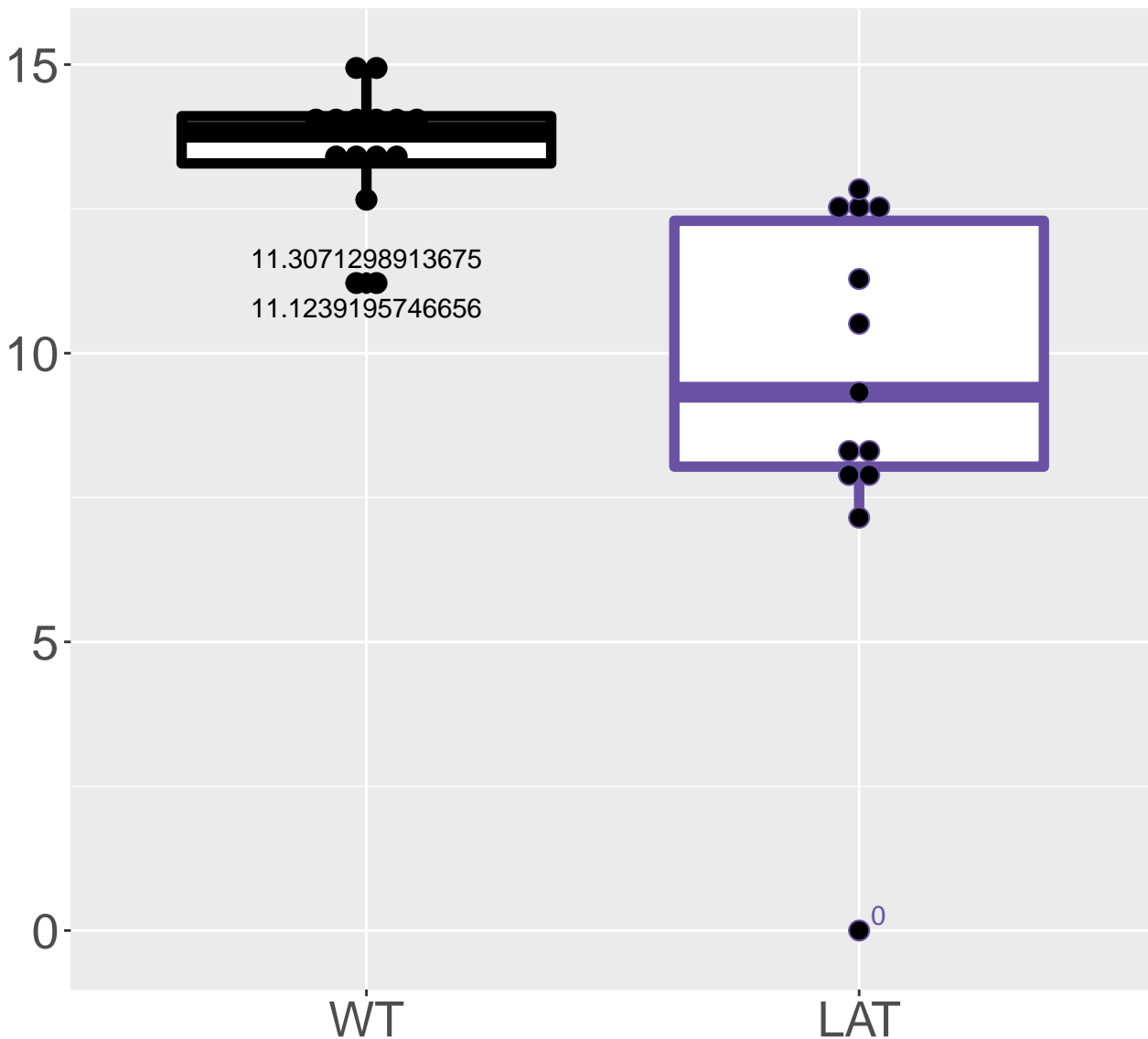




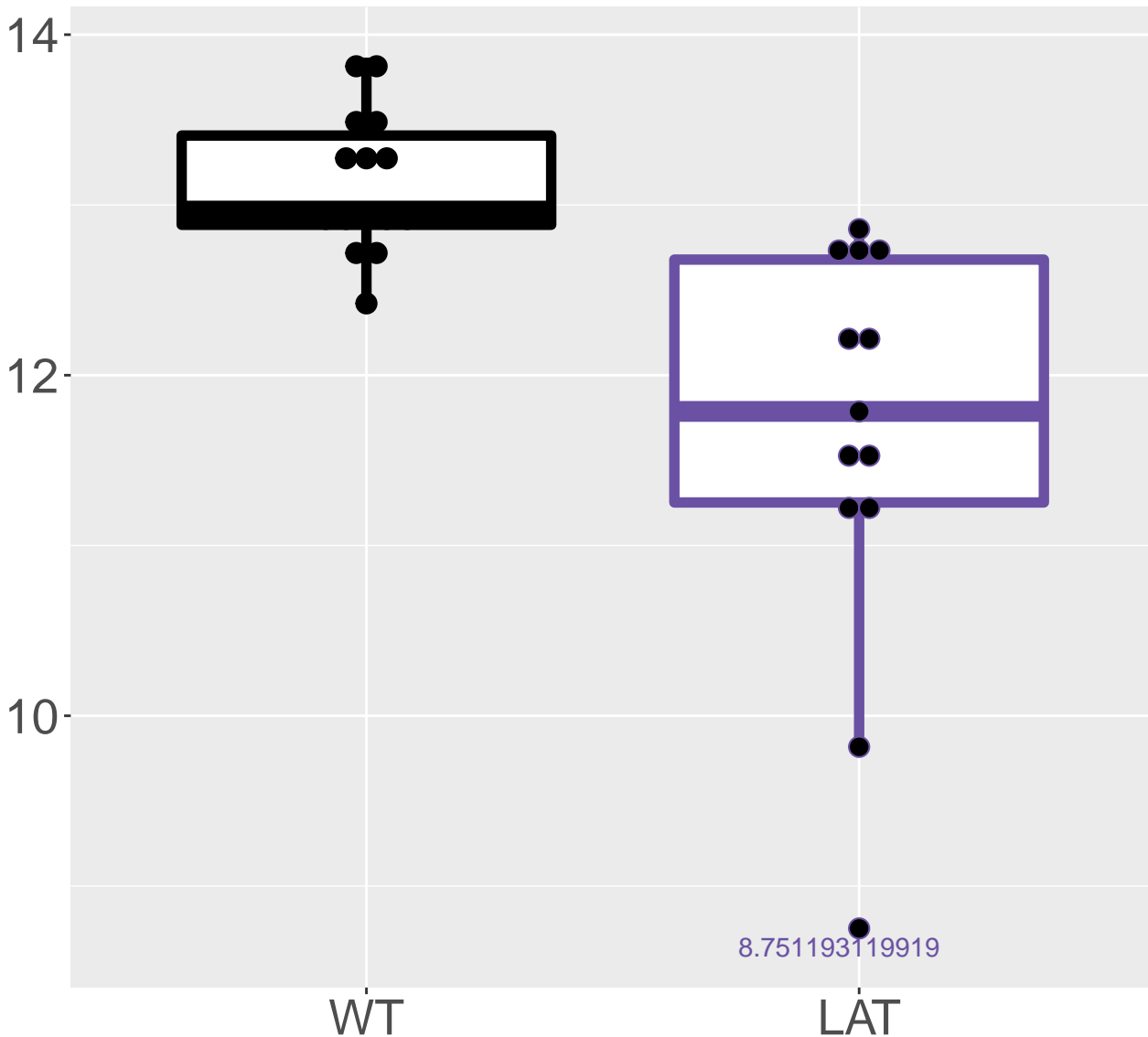
**M364.9581T258.17\_1**  
**FDR = 0.0011, FC = -1.2**



**M466.9279T241.61\_1**  
**FDR = 0.0011, FC = -4.2**

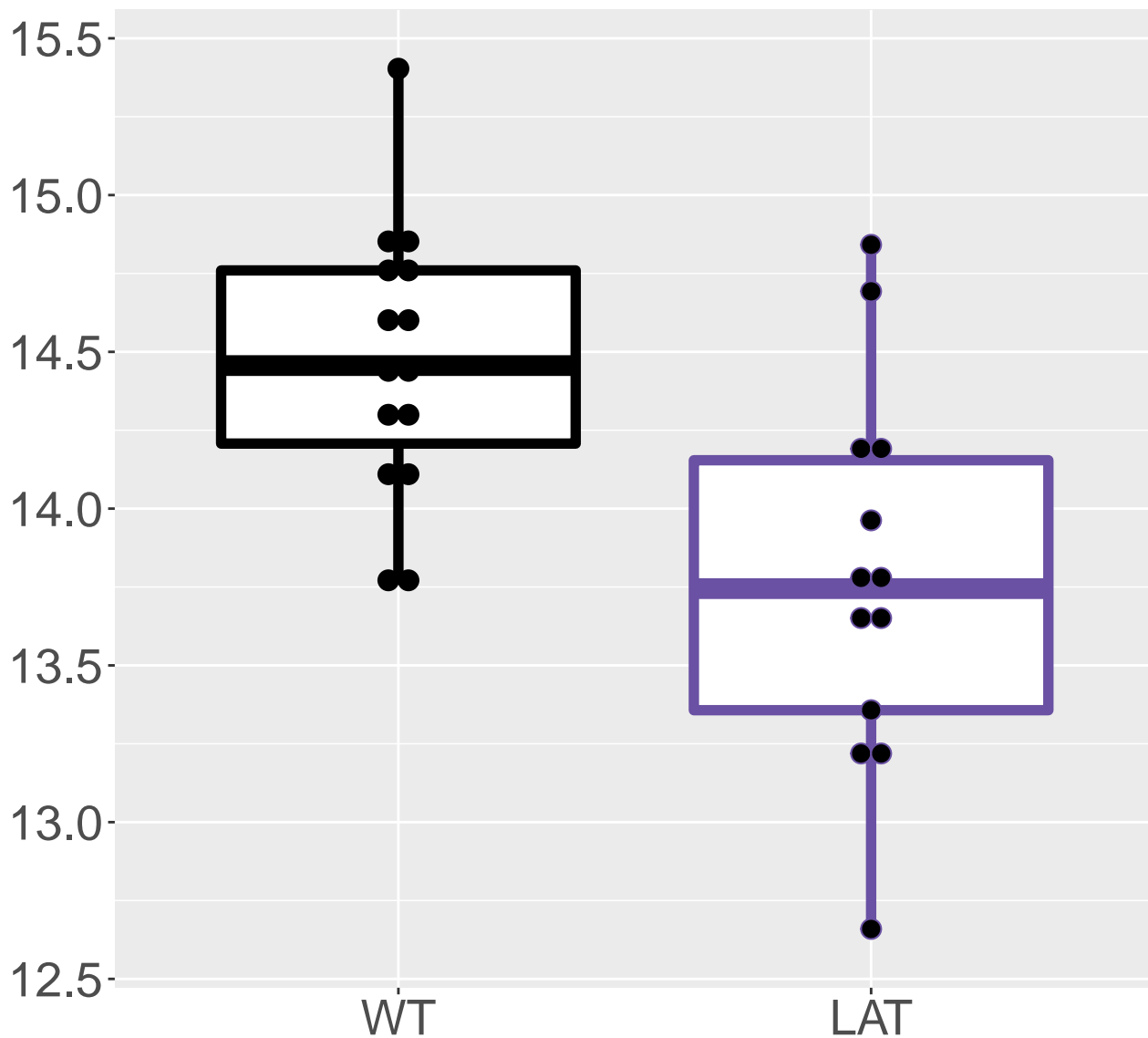


**M474.2588T154.17**  
**FDR = 0.0011, FC = -1.5**



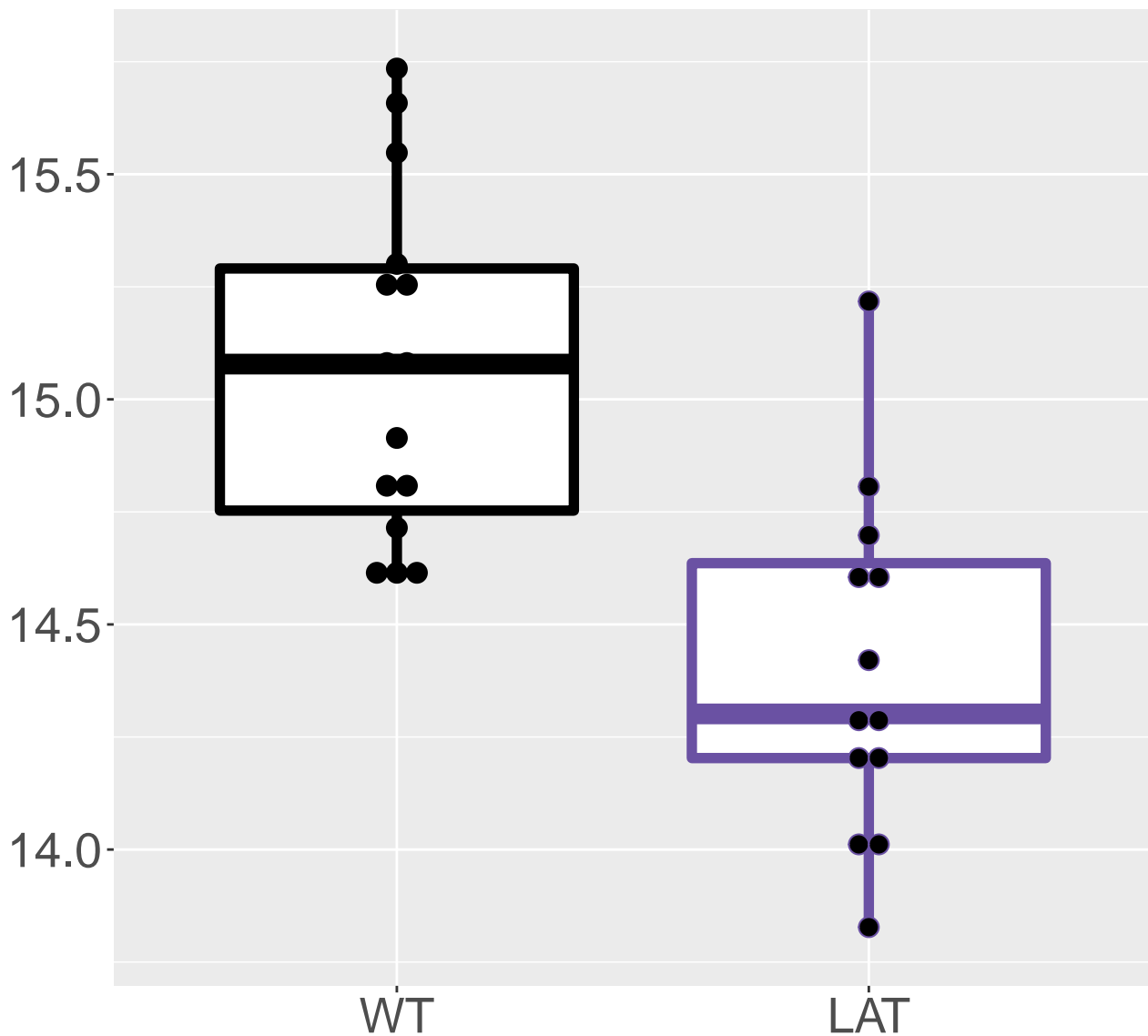
**M692.3768T258.39**

**FDR = 0.0011, FC = -0.69, sex\***

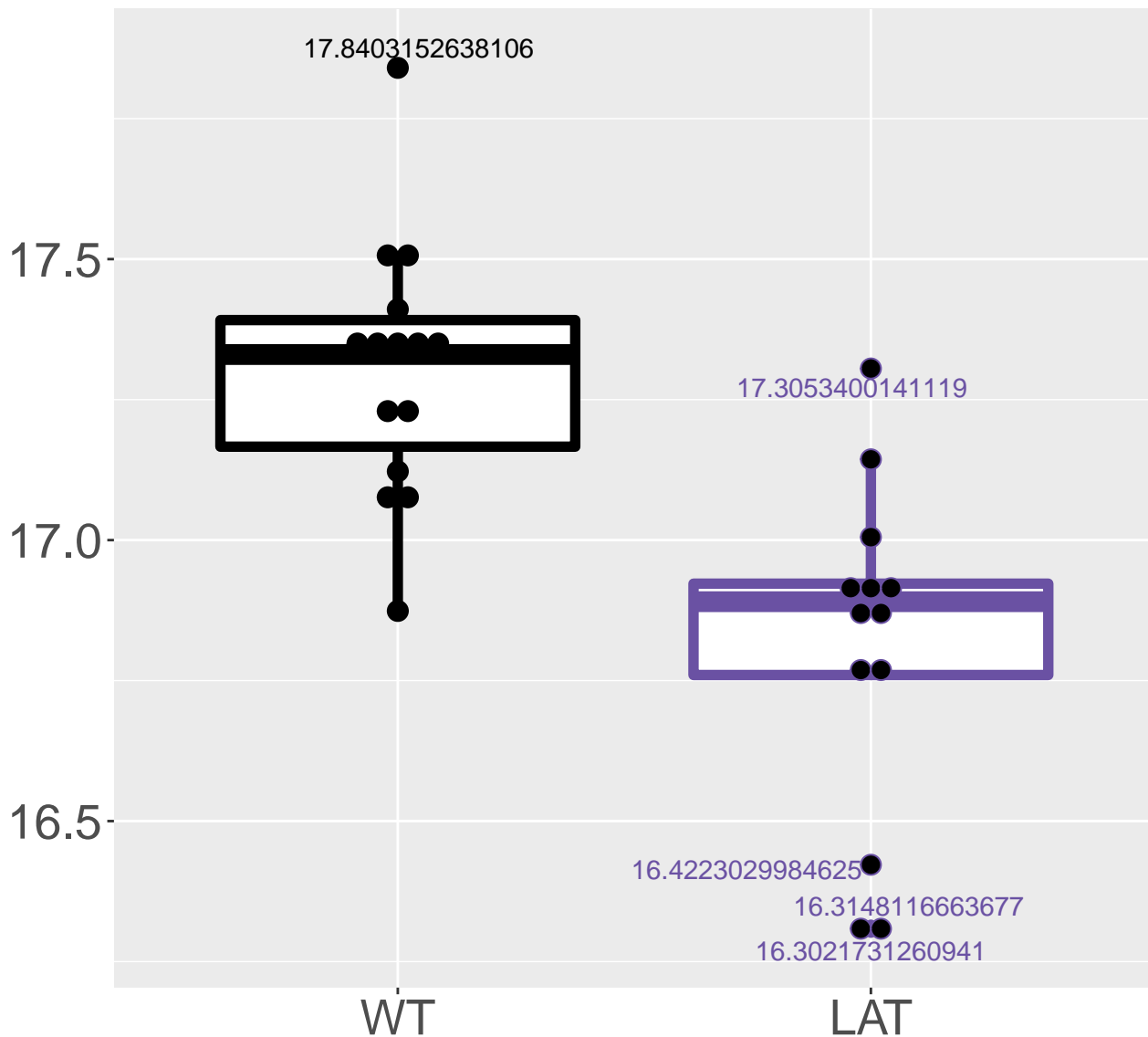


**M399.1303T311.61**

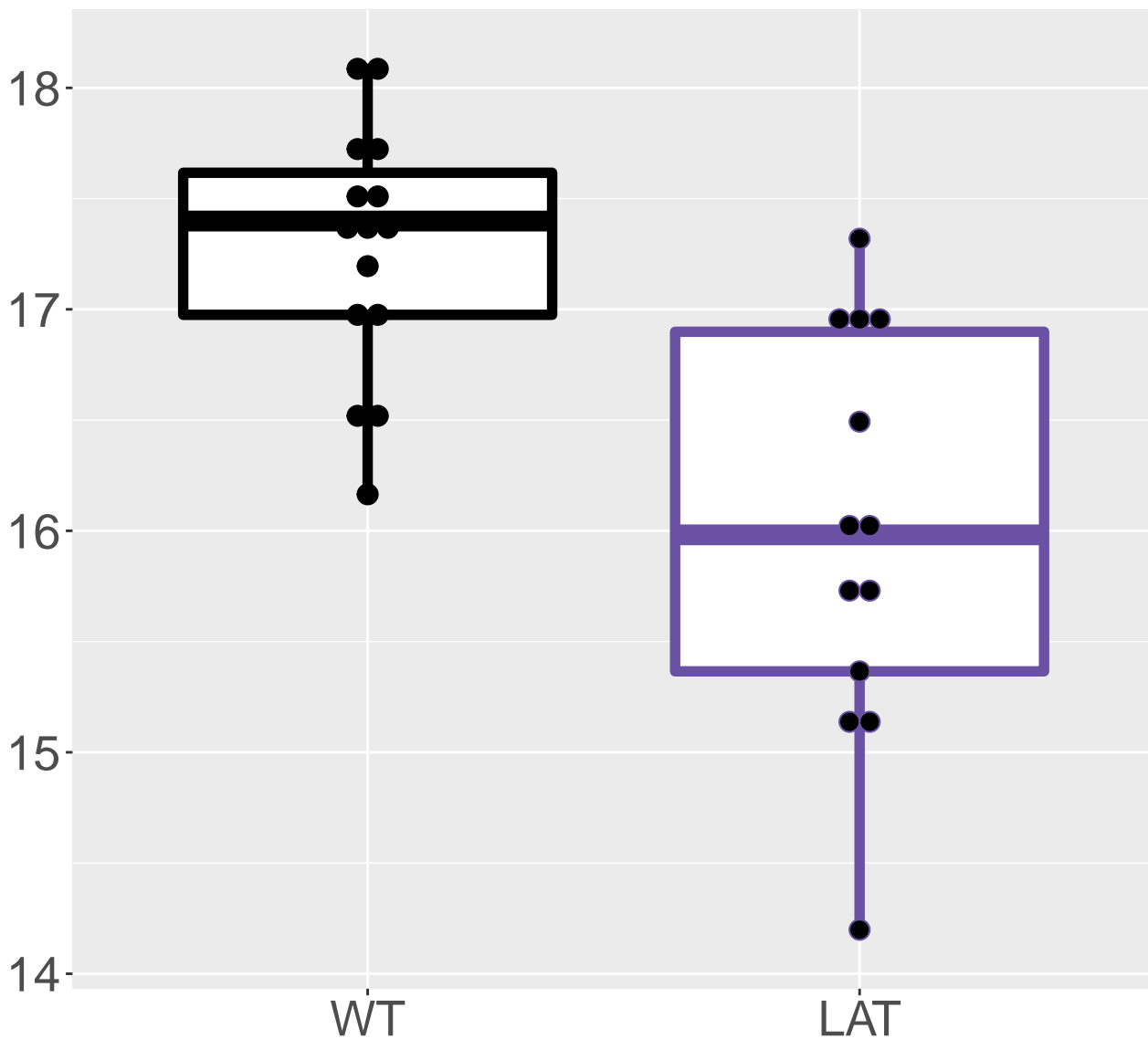
**FDR = 0.0011, FC = -0.67**



**M169.2494T113.23\_37**  
**FDR = 0.0011, FC = -0.5**

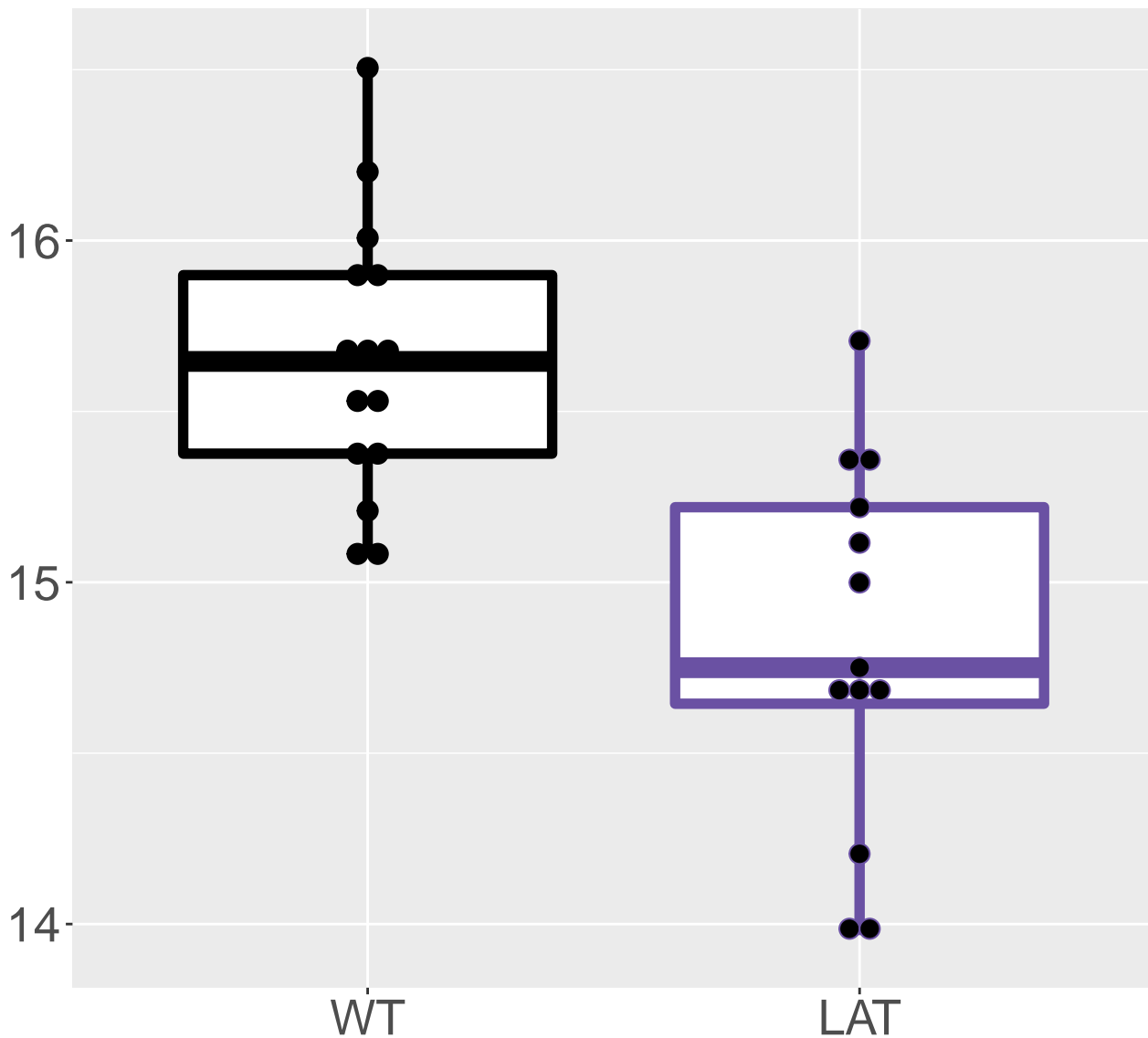


**M131.1822T75.51\_5**  
**FDR = 0.0011, FC = -1.3**



**M358.1996T301.2**

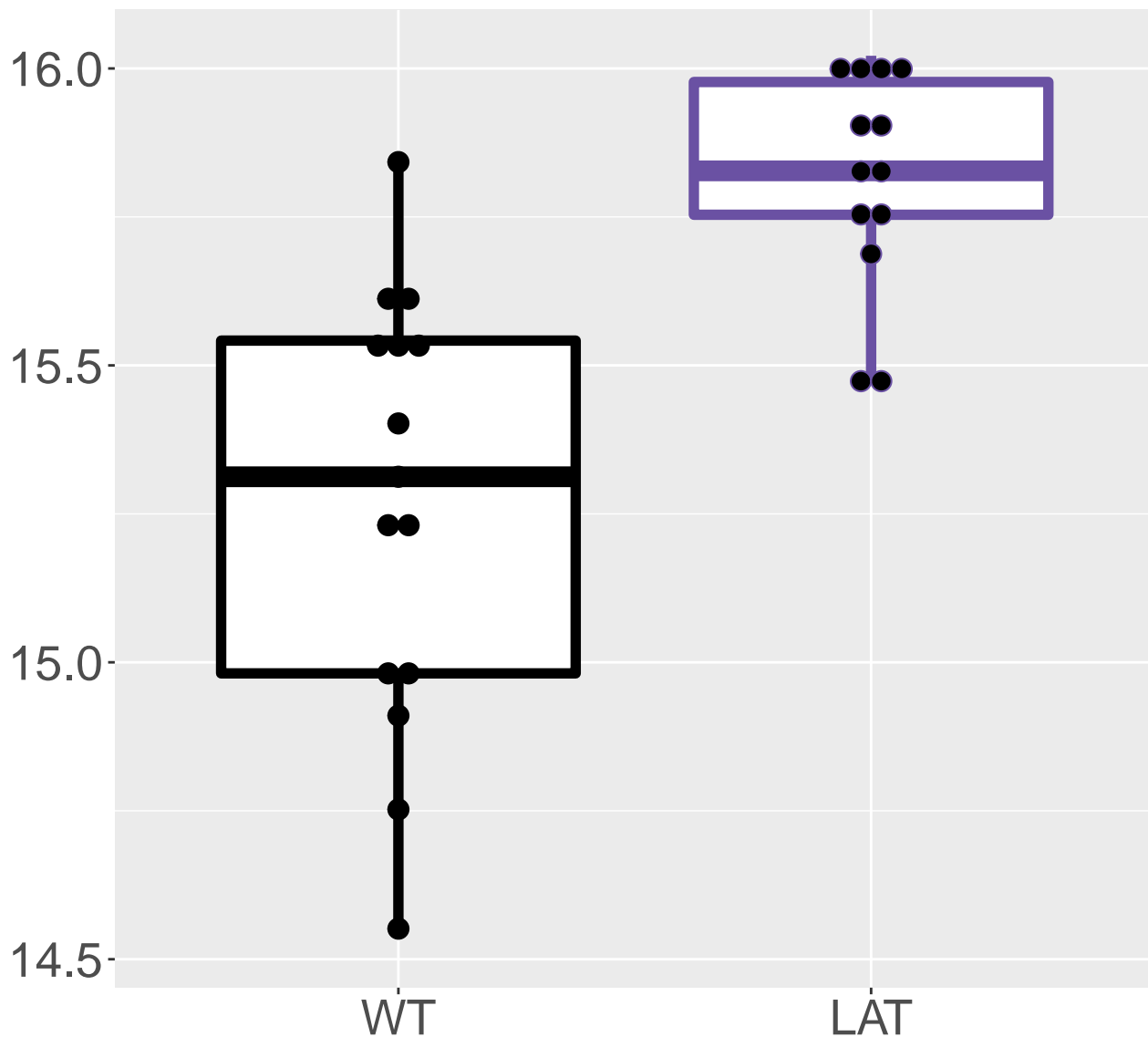
**FDR = 0.0012, FC = -0.82**



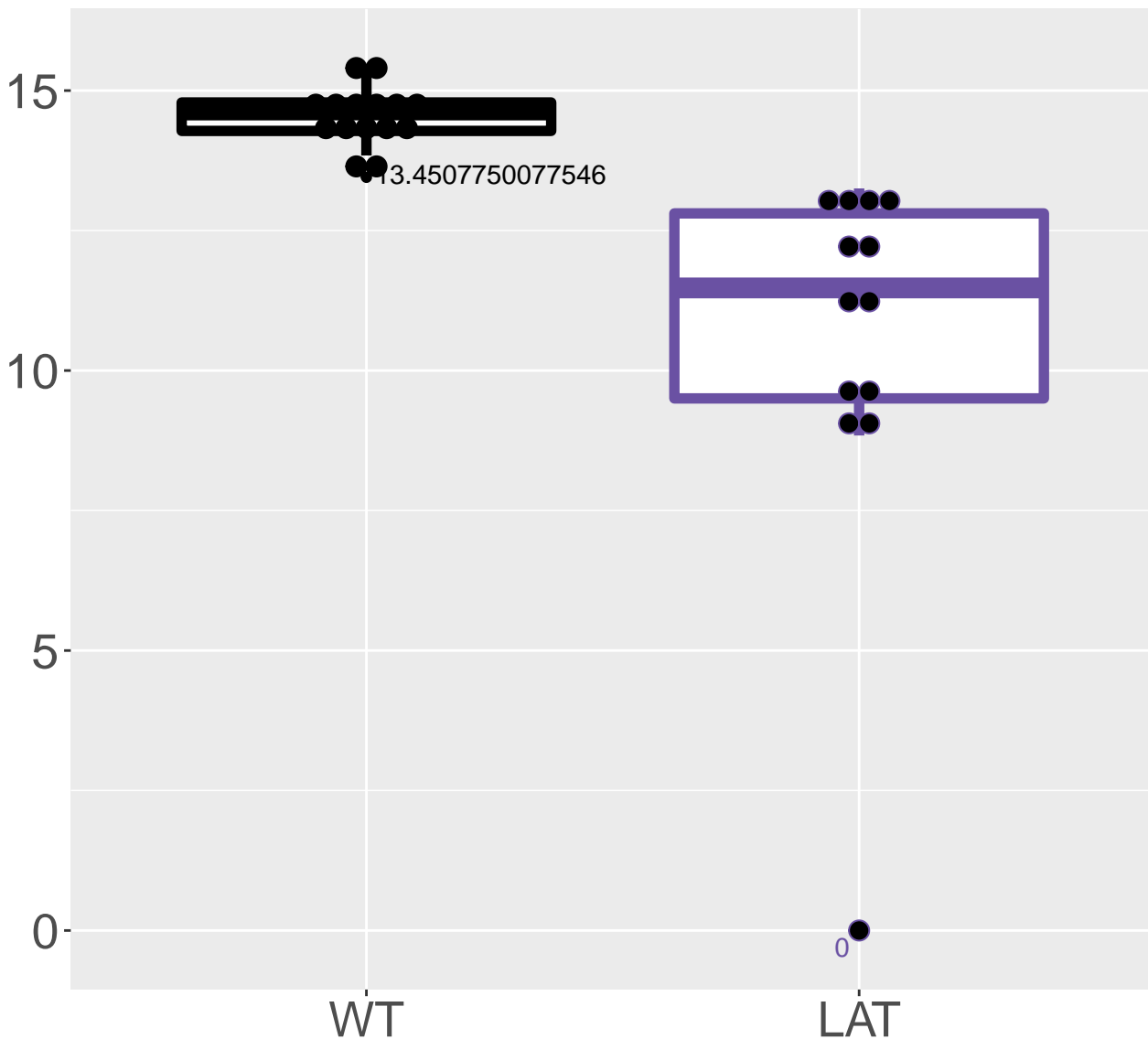


**M411.24T246.9\_3**

**FDR = 0.0012, FC = 0.55**

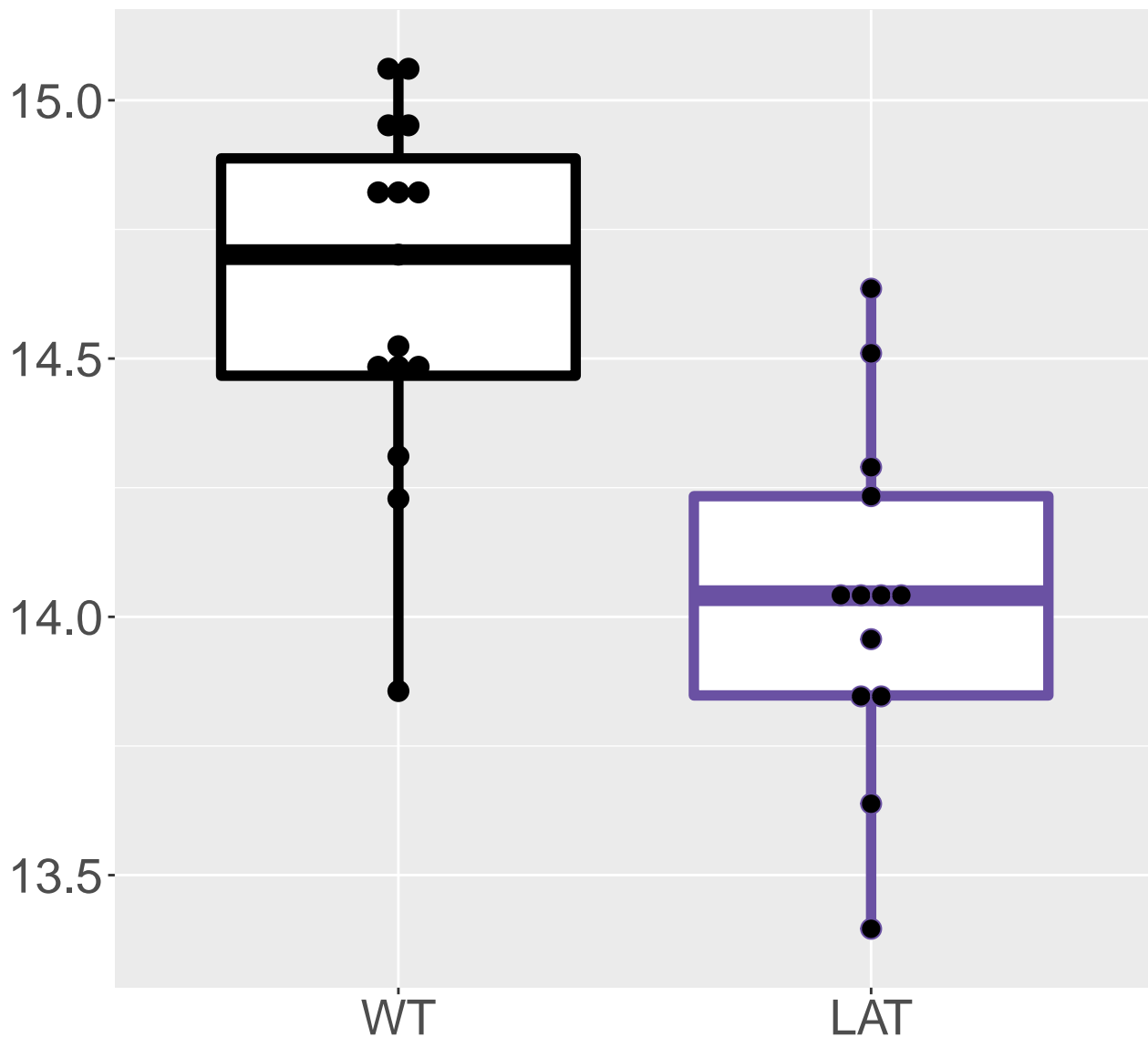


**M437.917T242.39**  
**FDR = 0.0012, FC = -4**



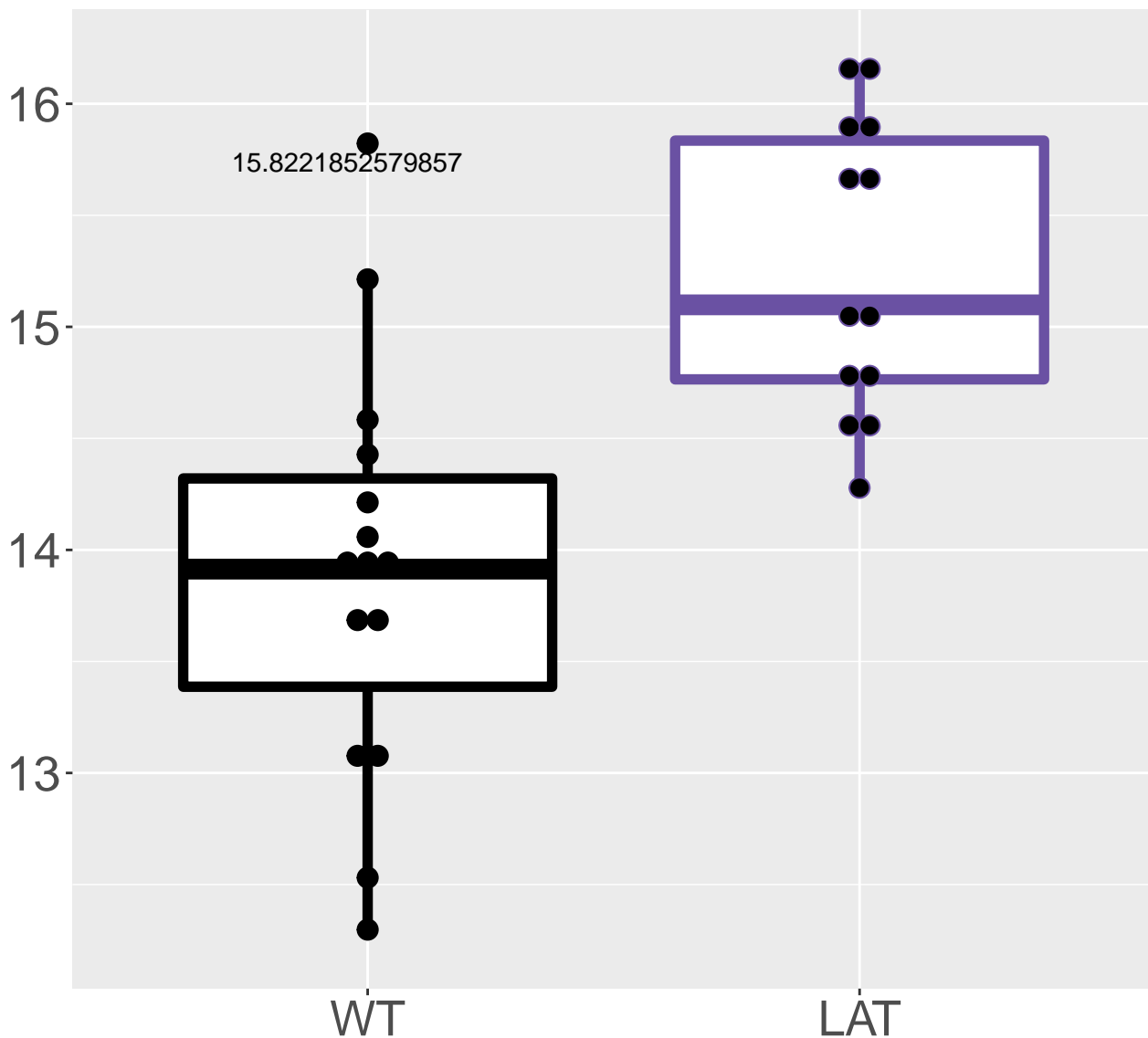
**M648.9146T357.01\_2**

**FDR = 0.0012, FC = -0.6**



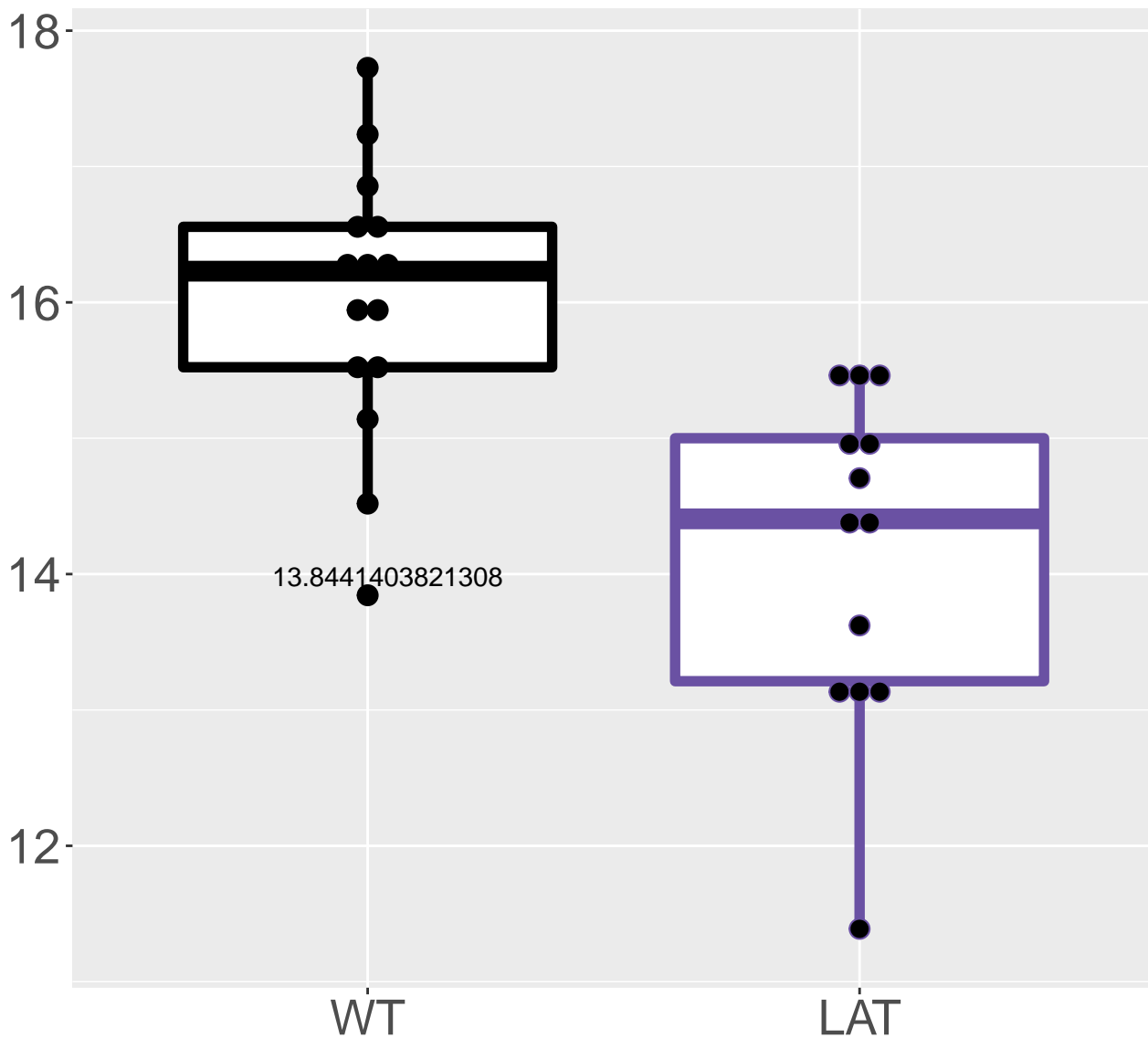
**M320.1656T103.86**

**FDR = 0.0012, FC = 1.4**



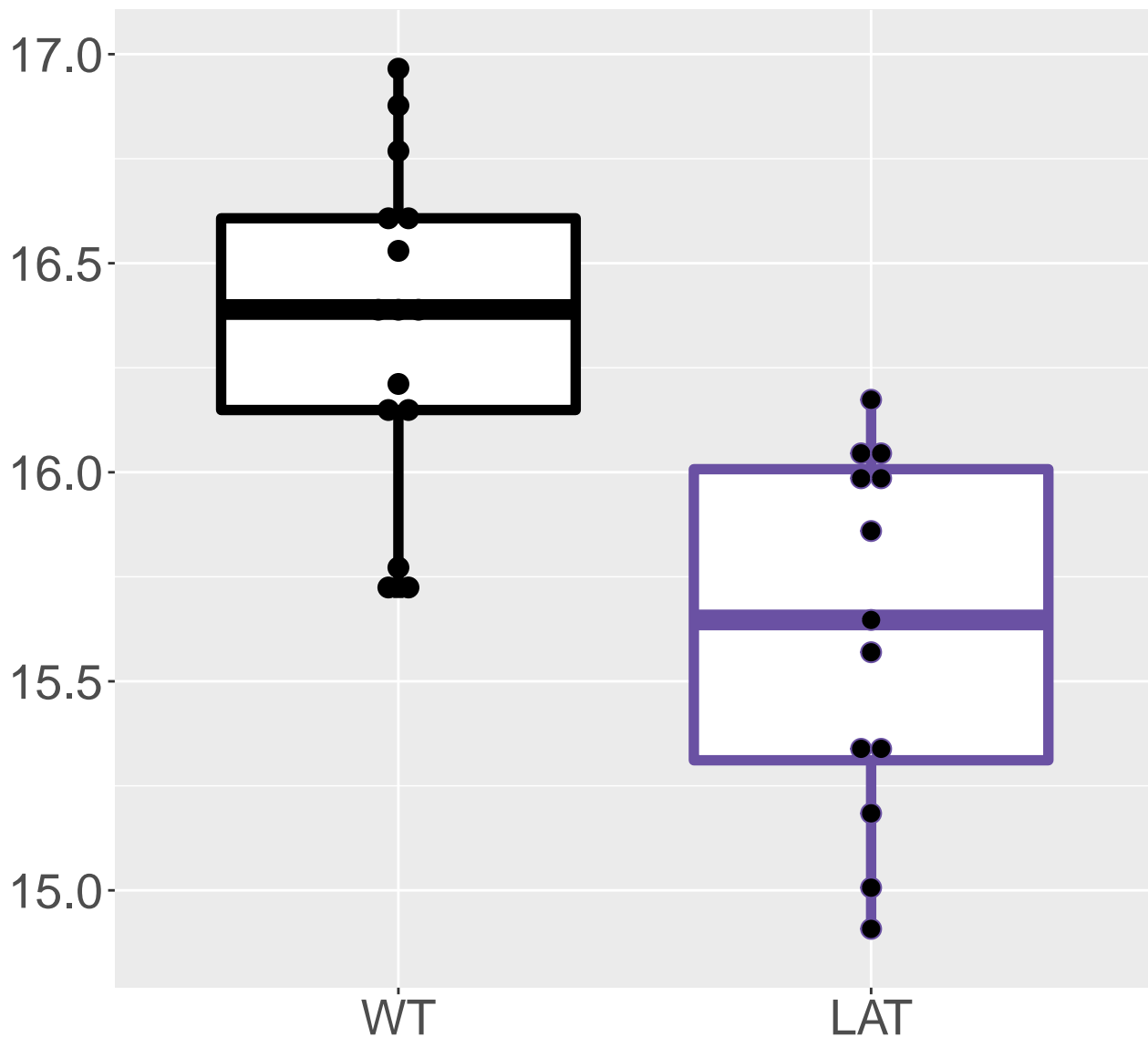
**M355.3867T257.73**

**FDR = 0.0012, FC = -1.9**



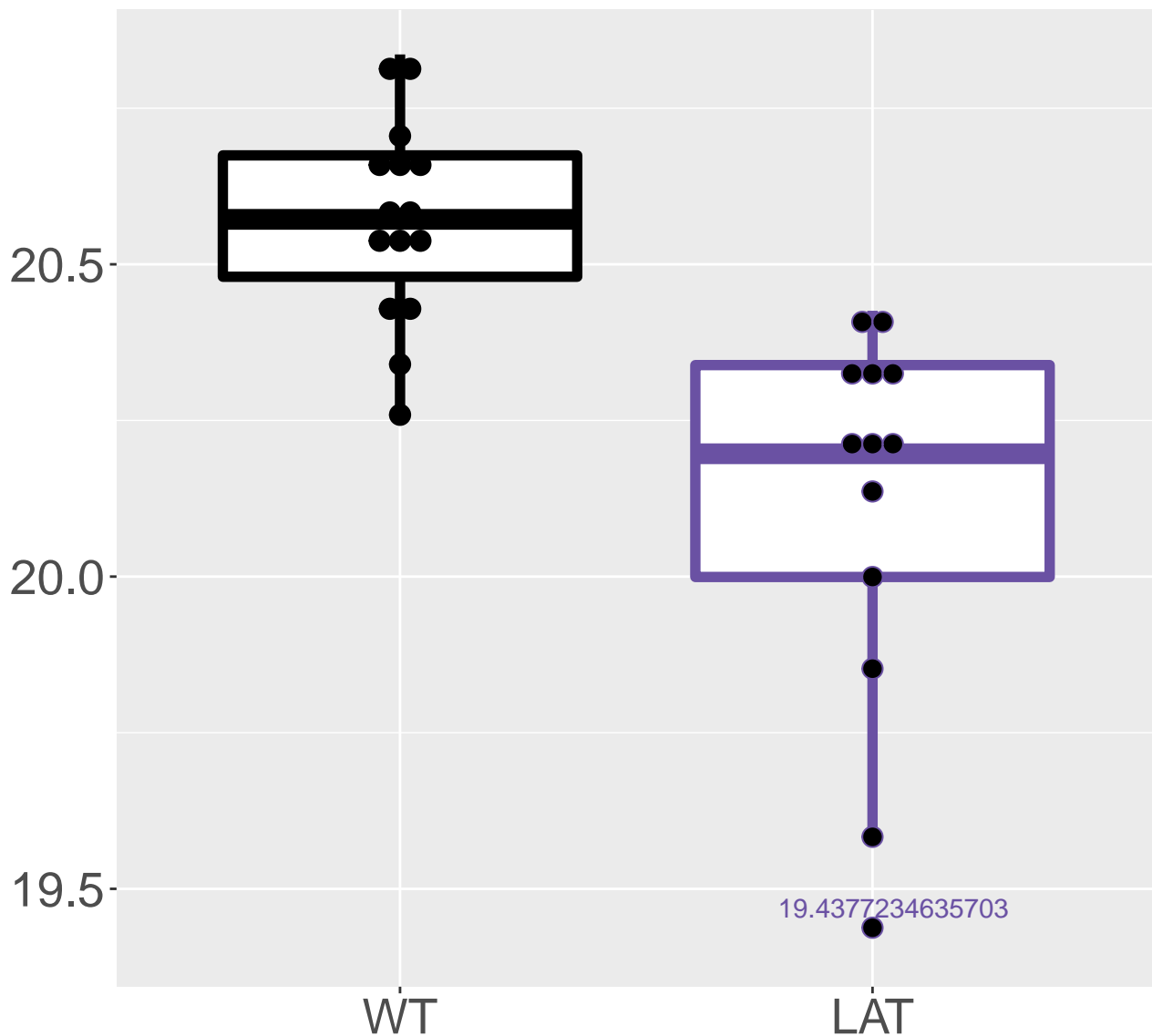
**M126.5343T75.52\_3**

**FDR = 0.0012, FC = -0.73**



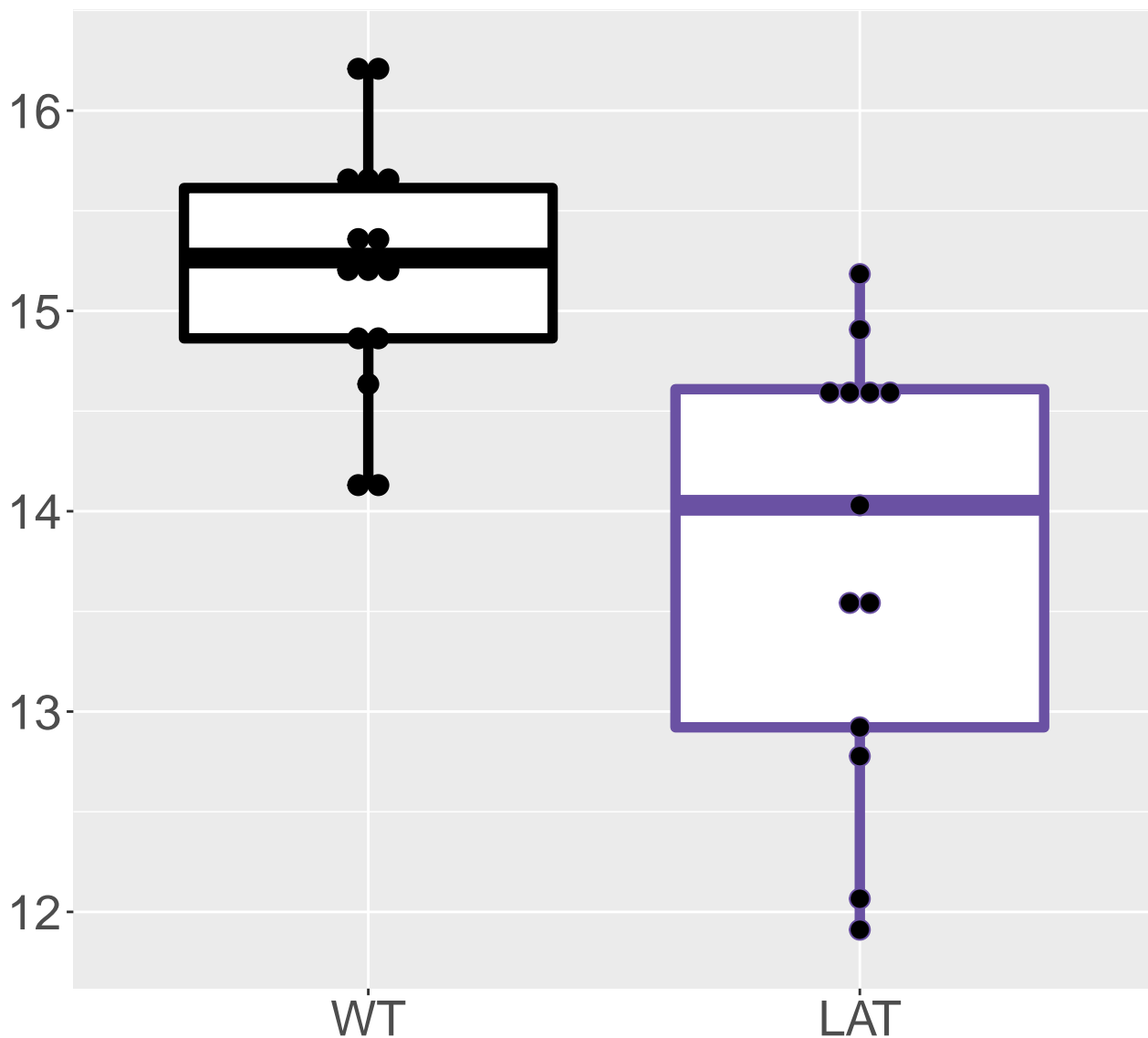
**M121.0845T113.07**

**FDR = 0.0012, FC = -0.46**



**M341.0953T253.96**

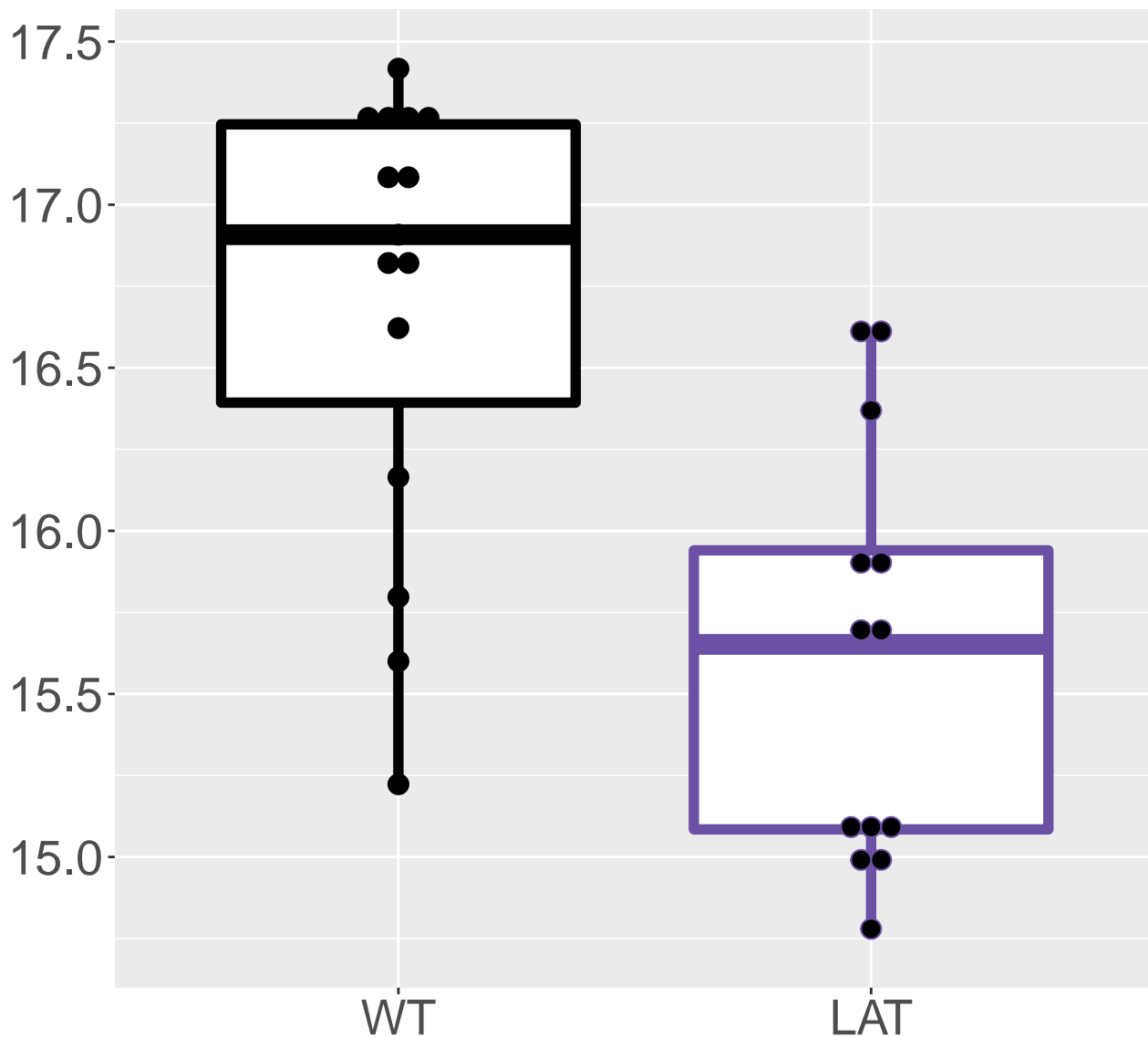
**FDR = 0.0012, FC = -1.4**





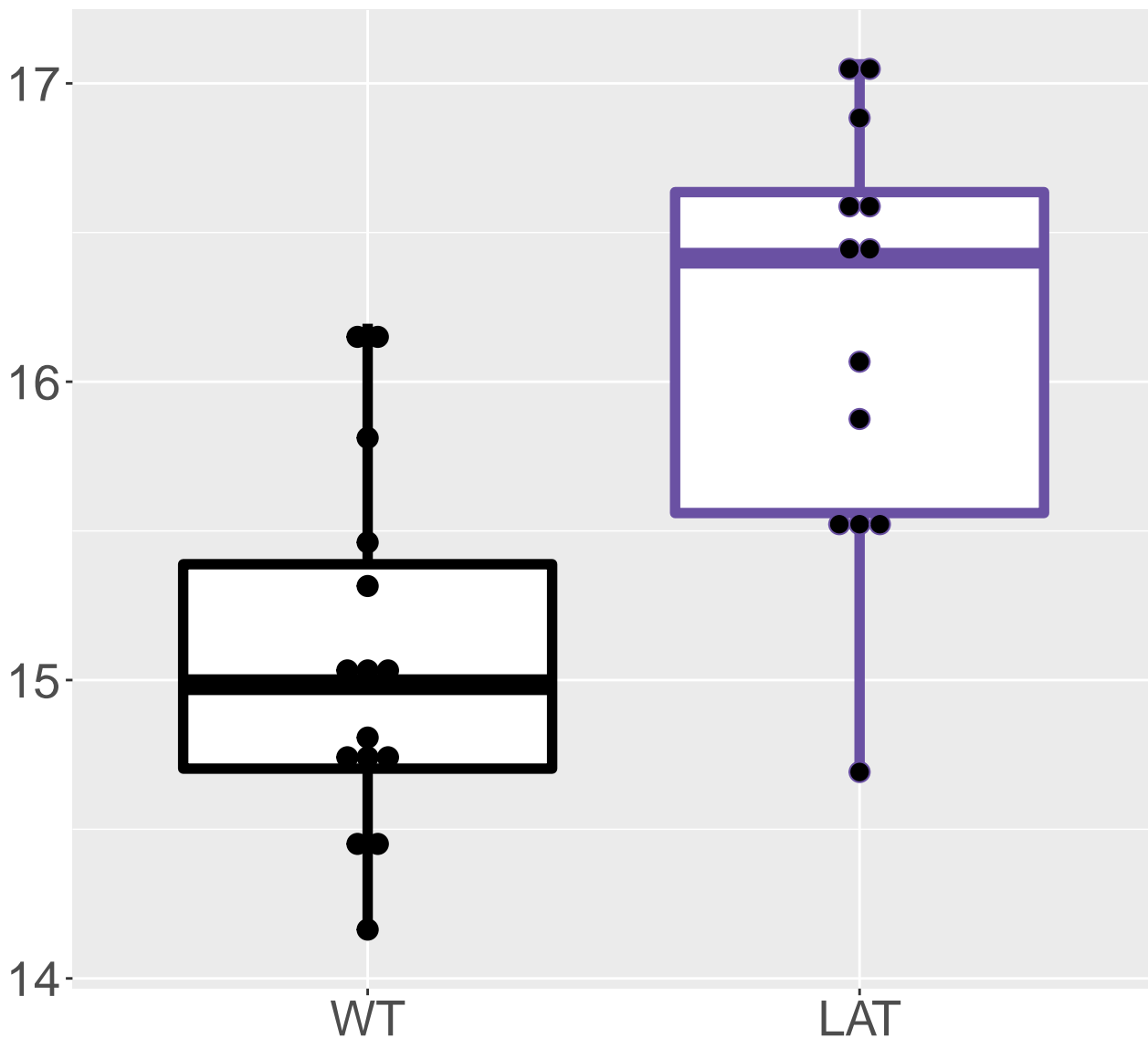
**M129.0374T75.46\_30**

**FDR = 0.0012, FC = -1.1**



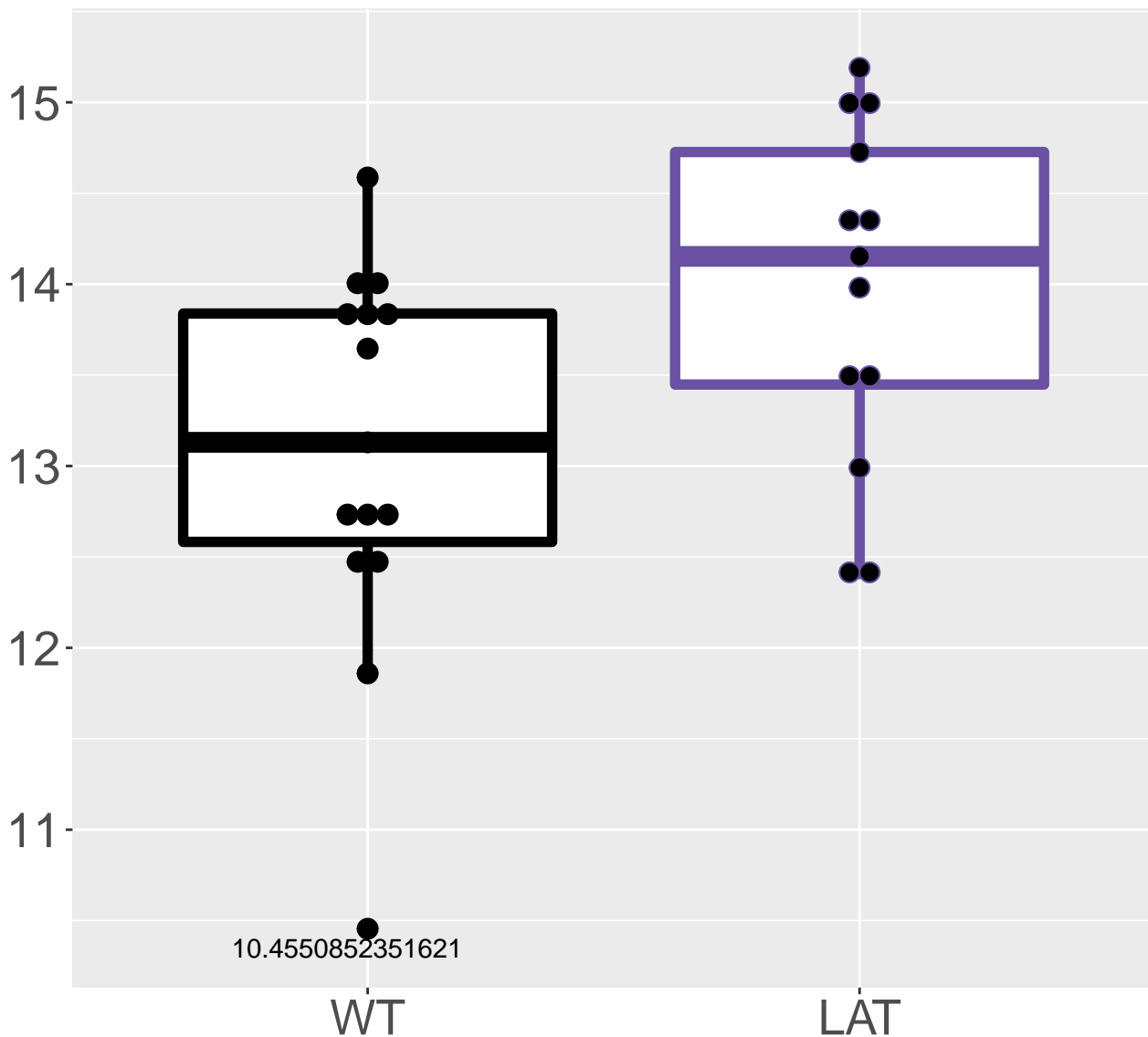
**M597.3091T361.69**

**FDR = 0.0012, FC = 1.1**



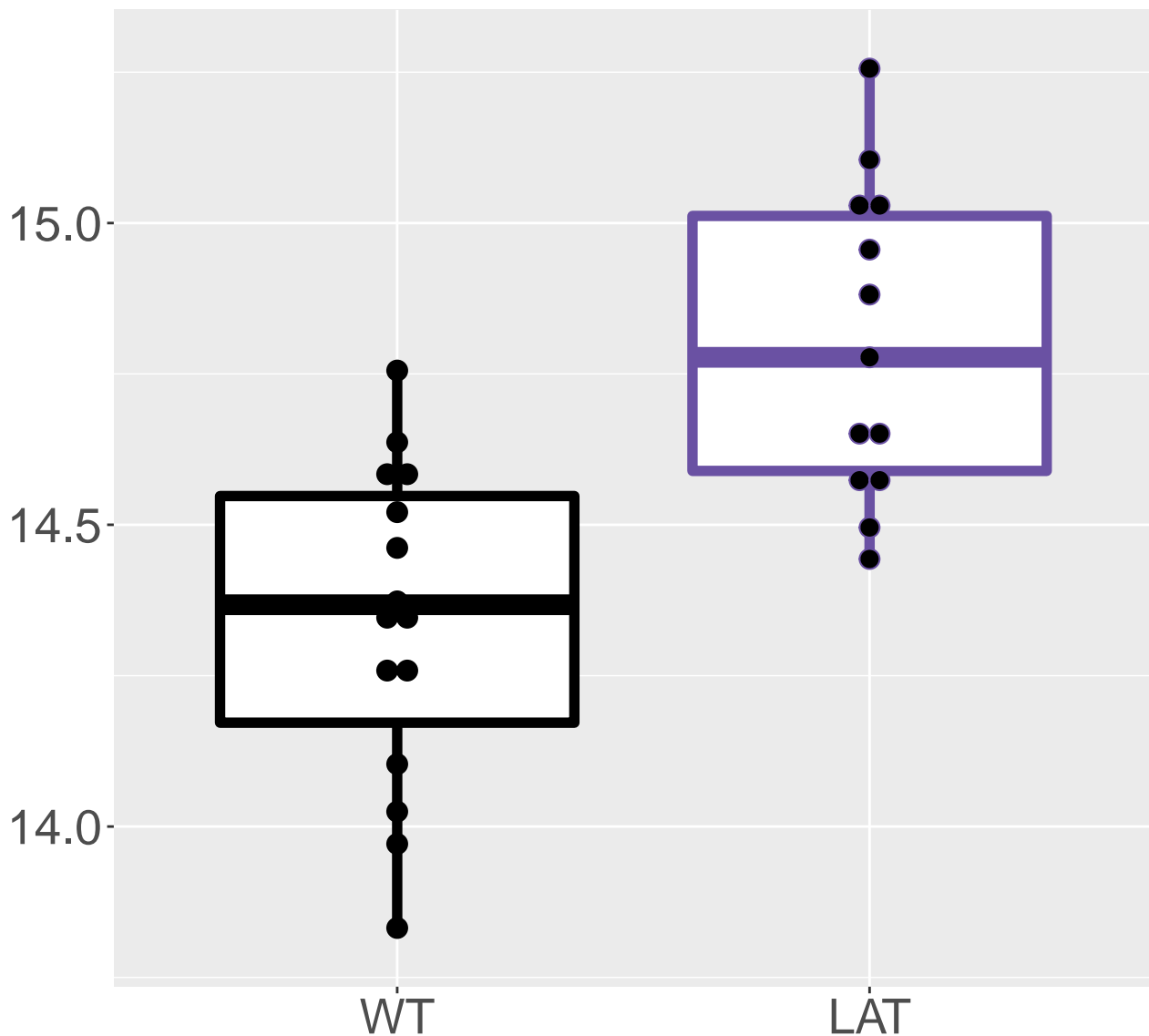
**M565.9101T375.53\_1**

**FDR = 0.0012, FC = 0.88, sex\*\*\***



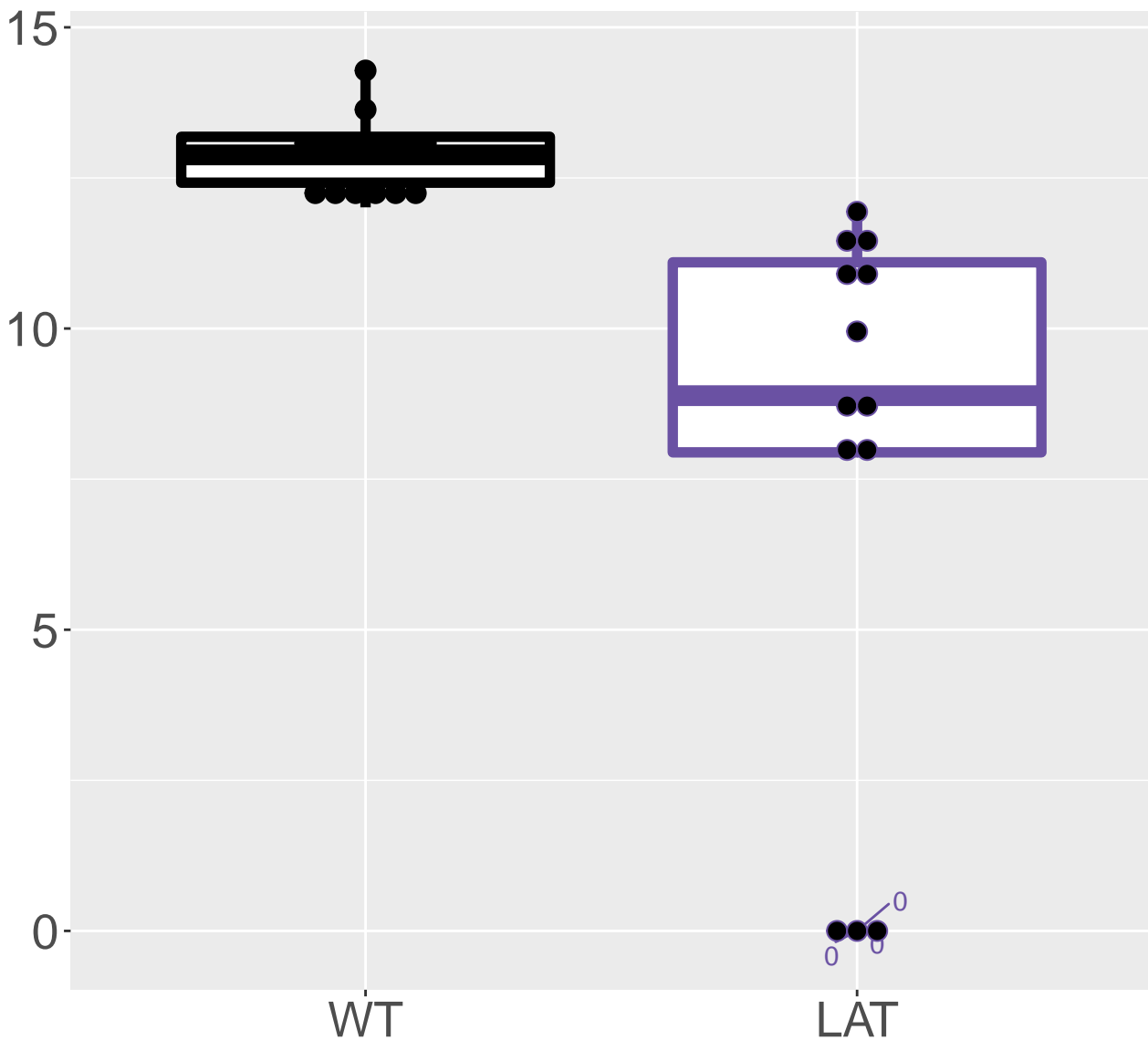
**M540.8052T43.16**

**FDR = 0.0012, FC = 0.46**



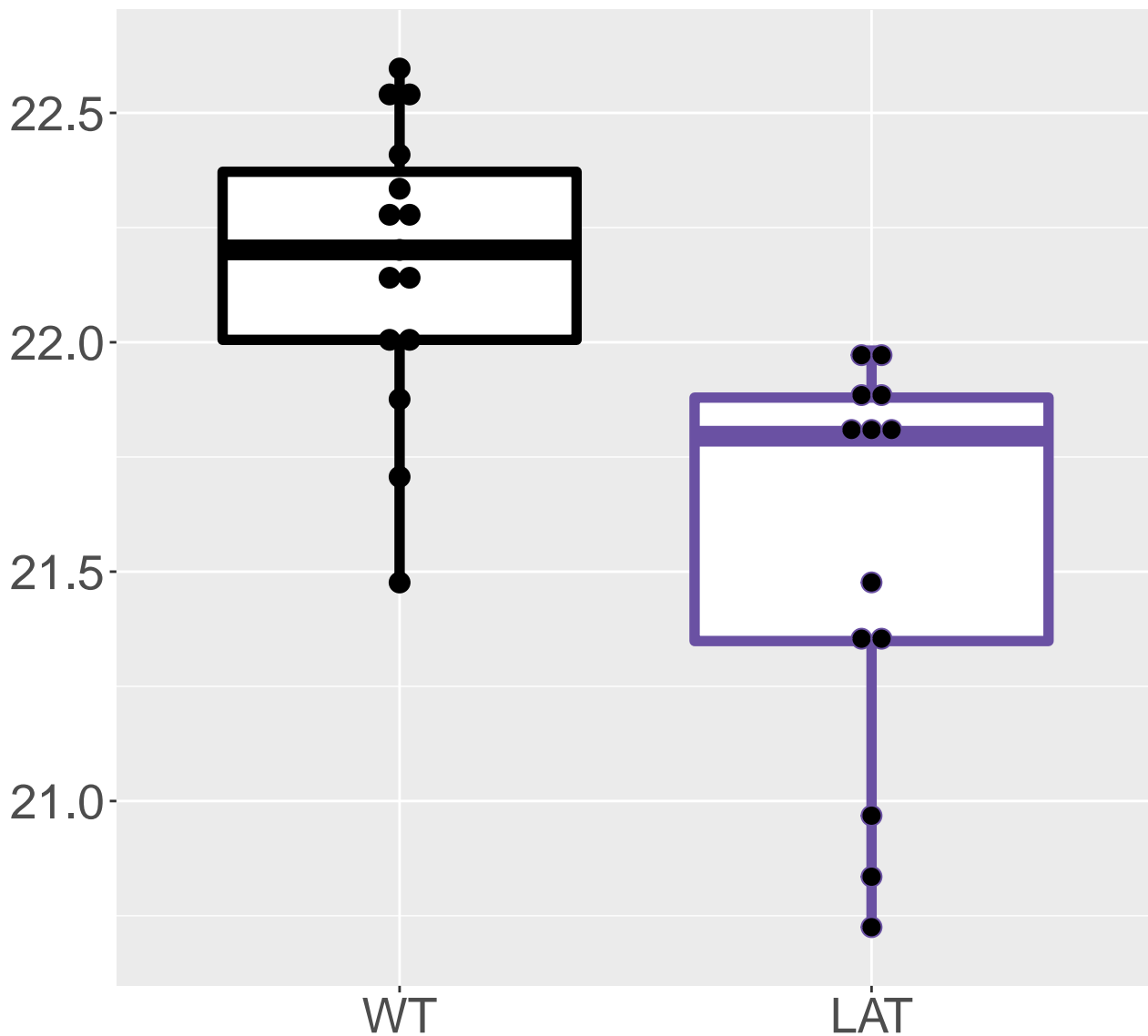
**M329.6756T92.78**

**FDR = 0.0012, FC = -5.2**

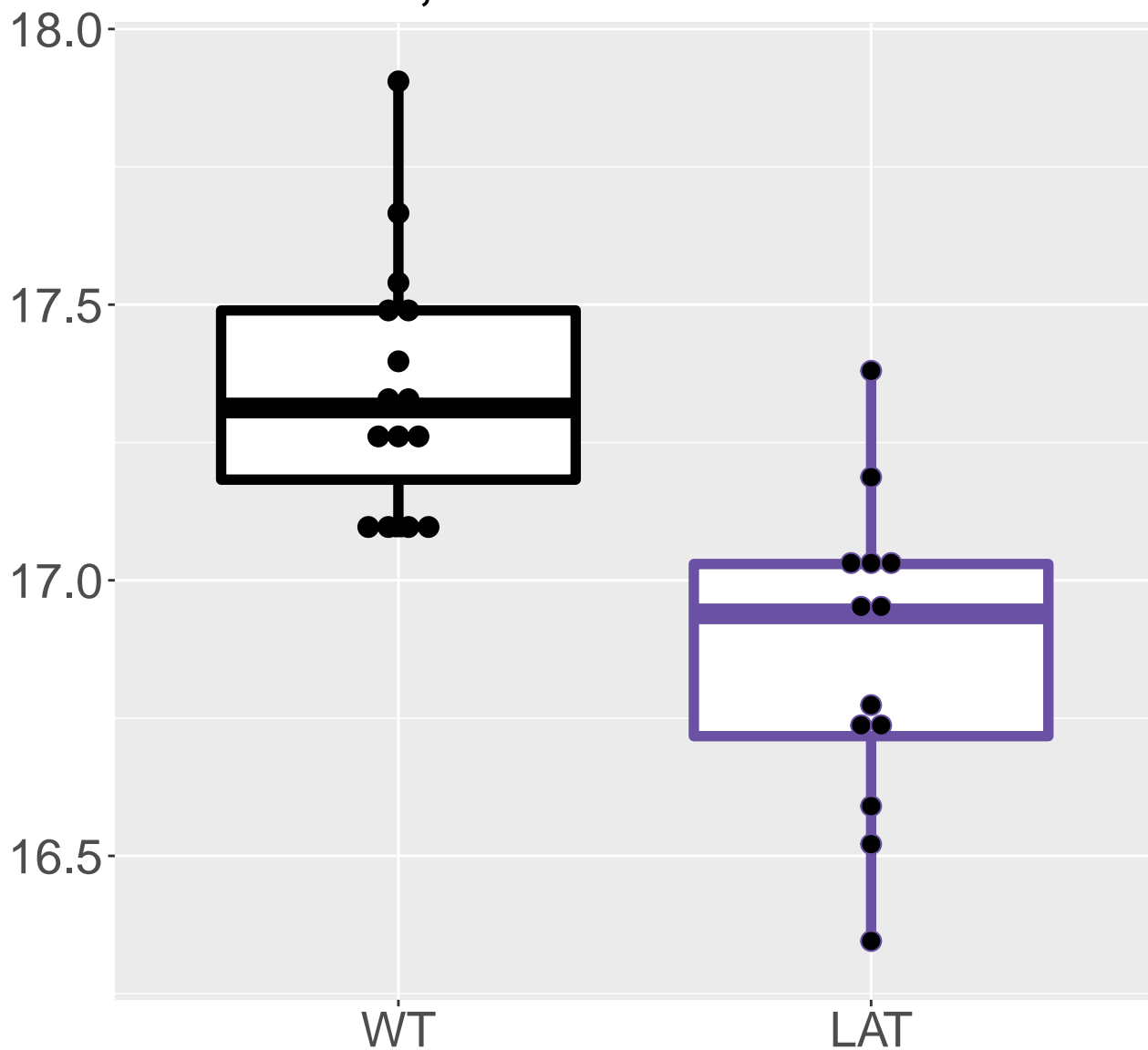


**M166.0872T141.87**

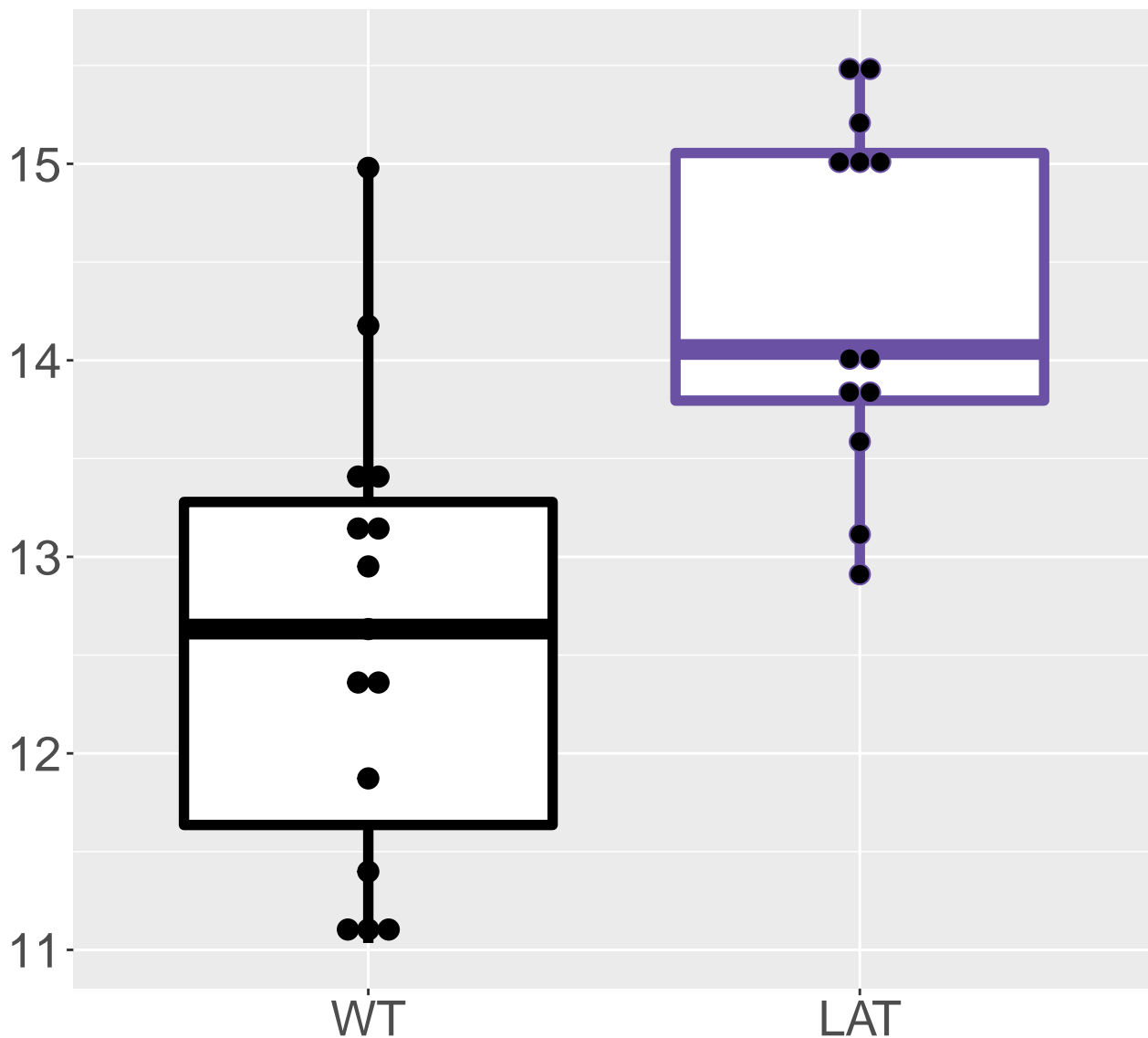
**FDR = 0.0012, FC = -0.64**



**M163.0115T113.18\_25**  
**FDR = 0.0012, FC = -0.49**

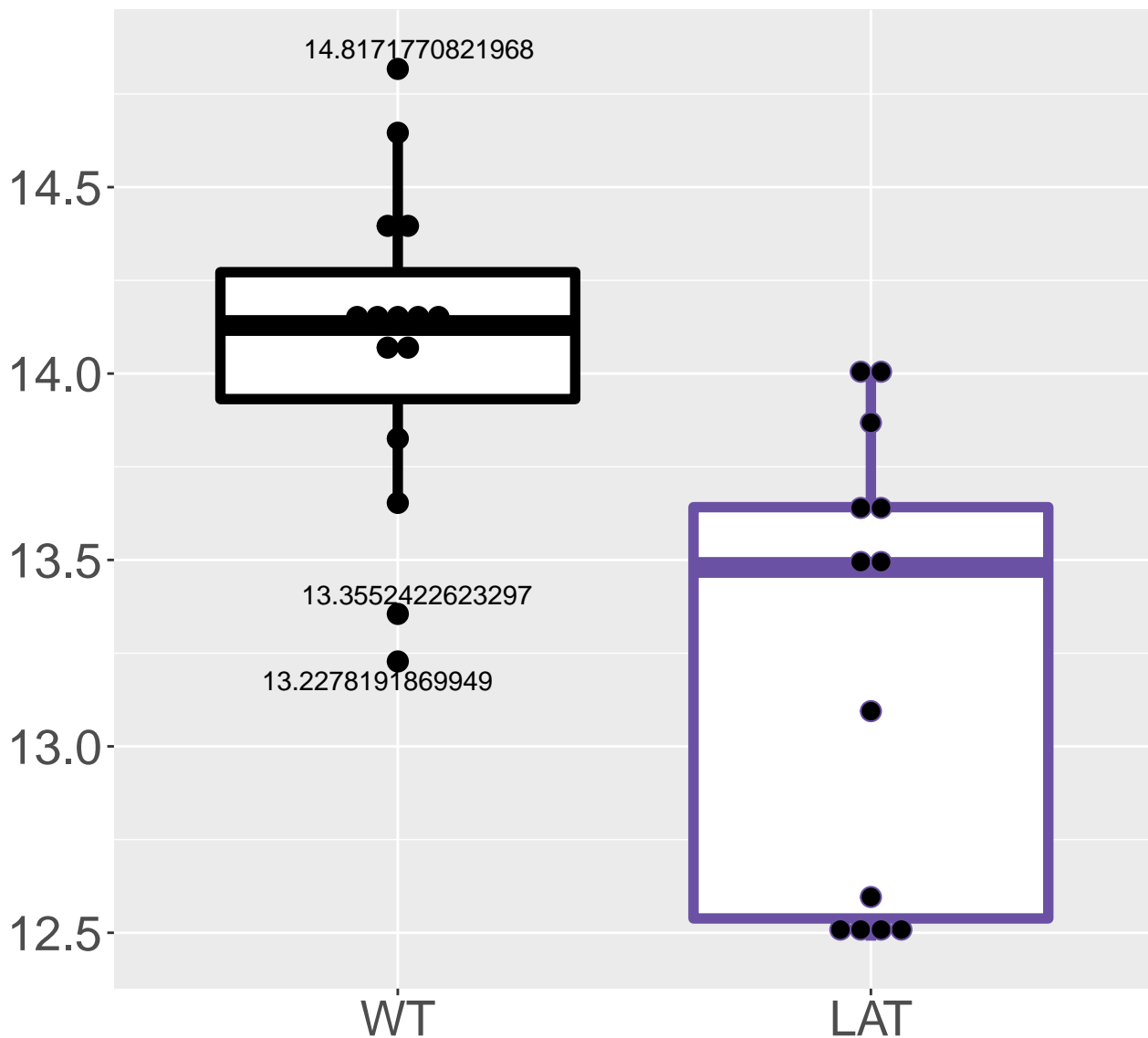


**M463.1996T148.85**  
**FDR = 0.0012, FC = 1.7**



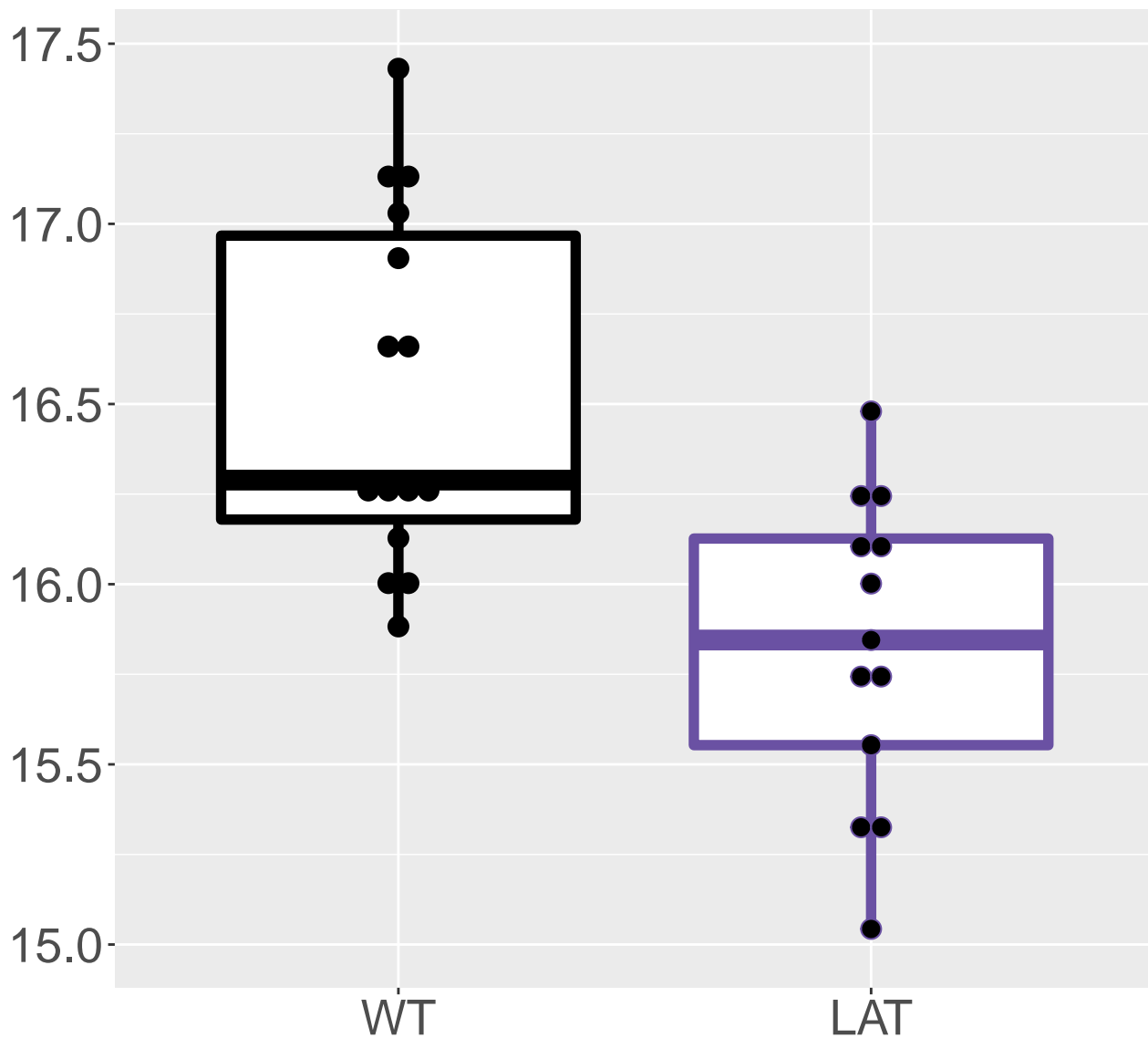


**FDR = 0.0013,  $\overline{FC} = -0.86$**



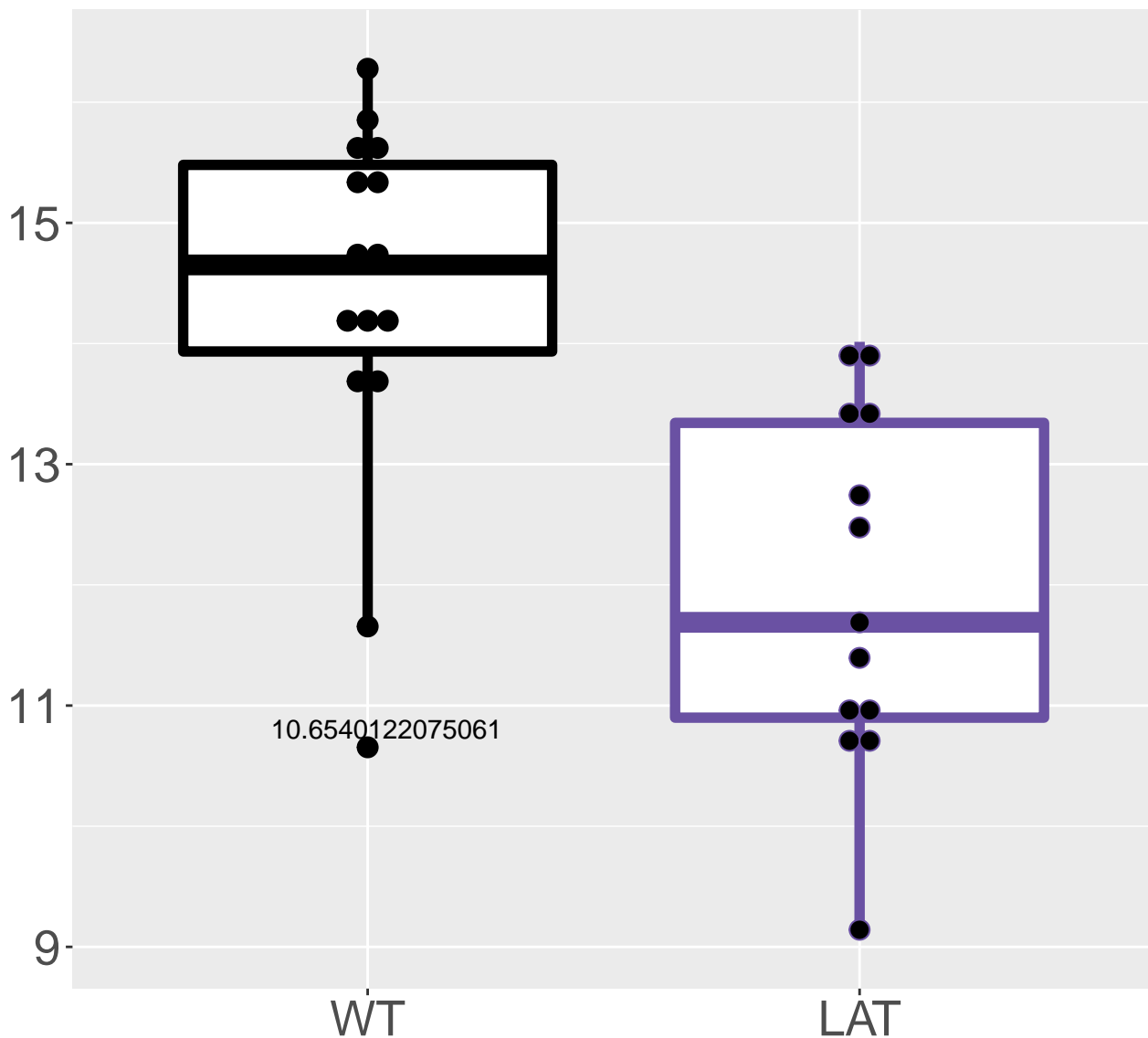
**M127.8323T75.33\_18**

**FDR = 0.0013, FC = -0.71**



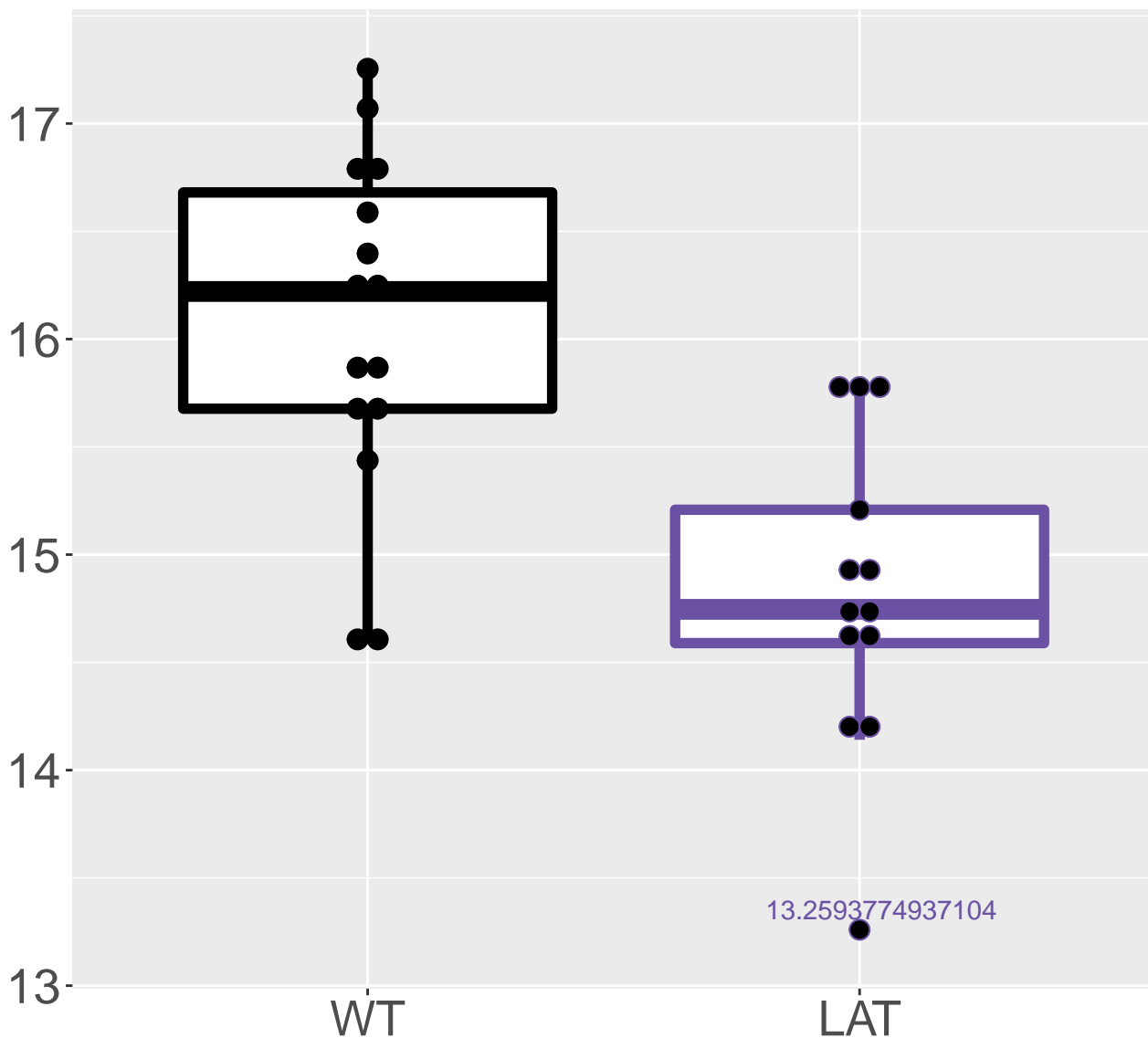
**M494.1038T295.25\_2**

**FDR = 0.0013, FC = -2.4**

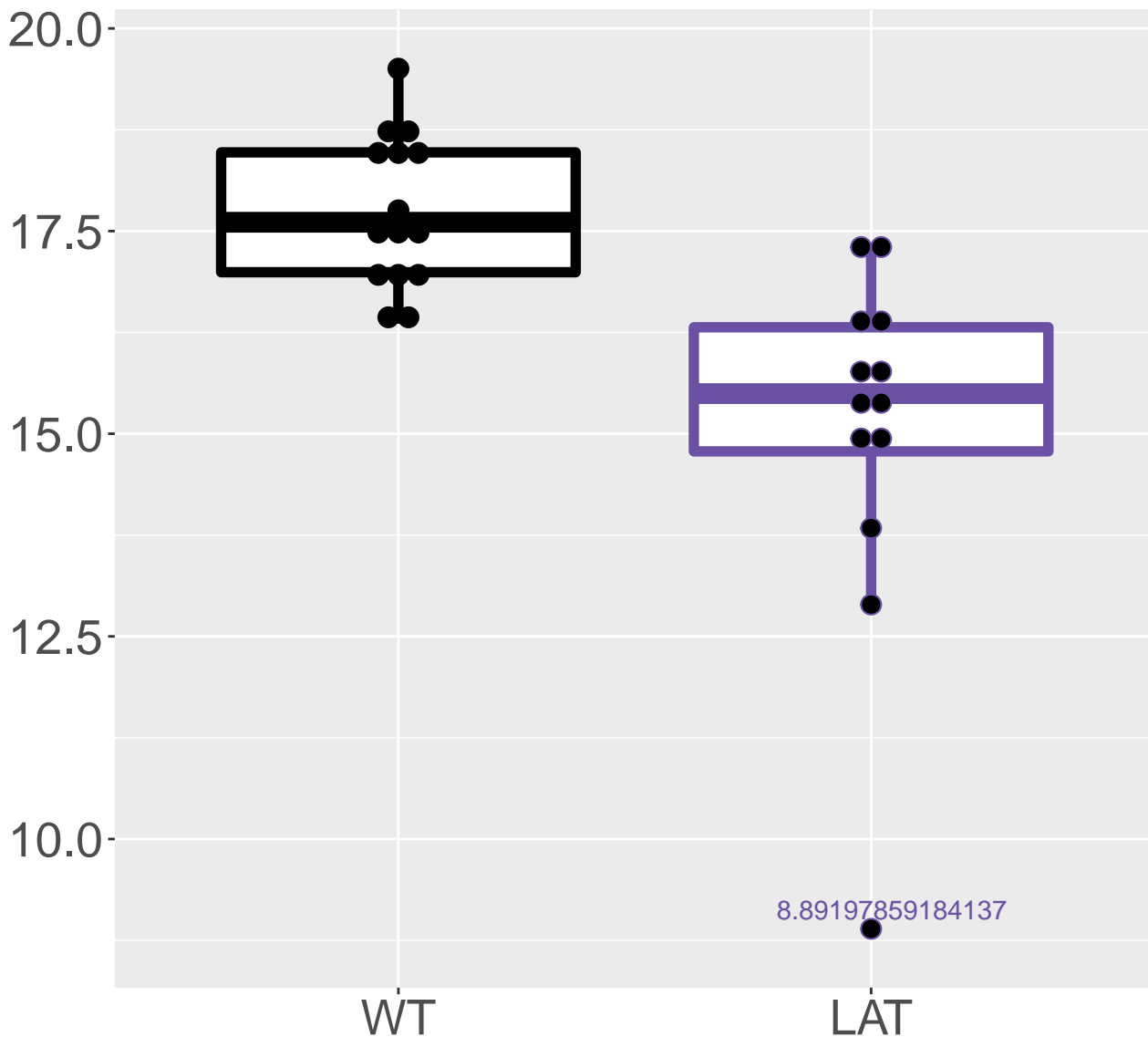


**M535.0973T343.1\_3**

**FDR = 0.0013, FC = -1.2**

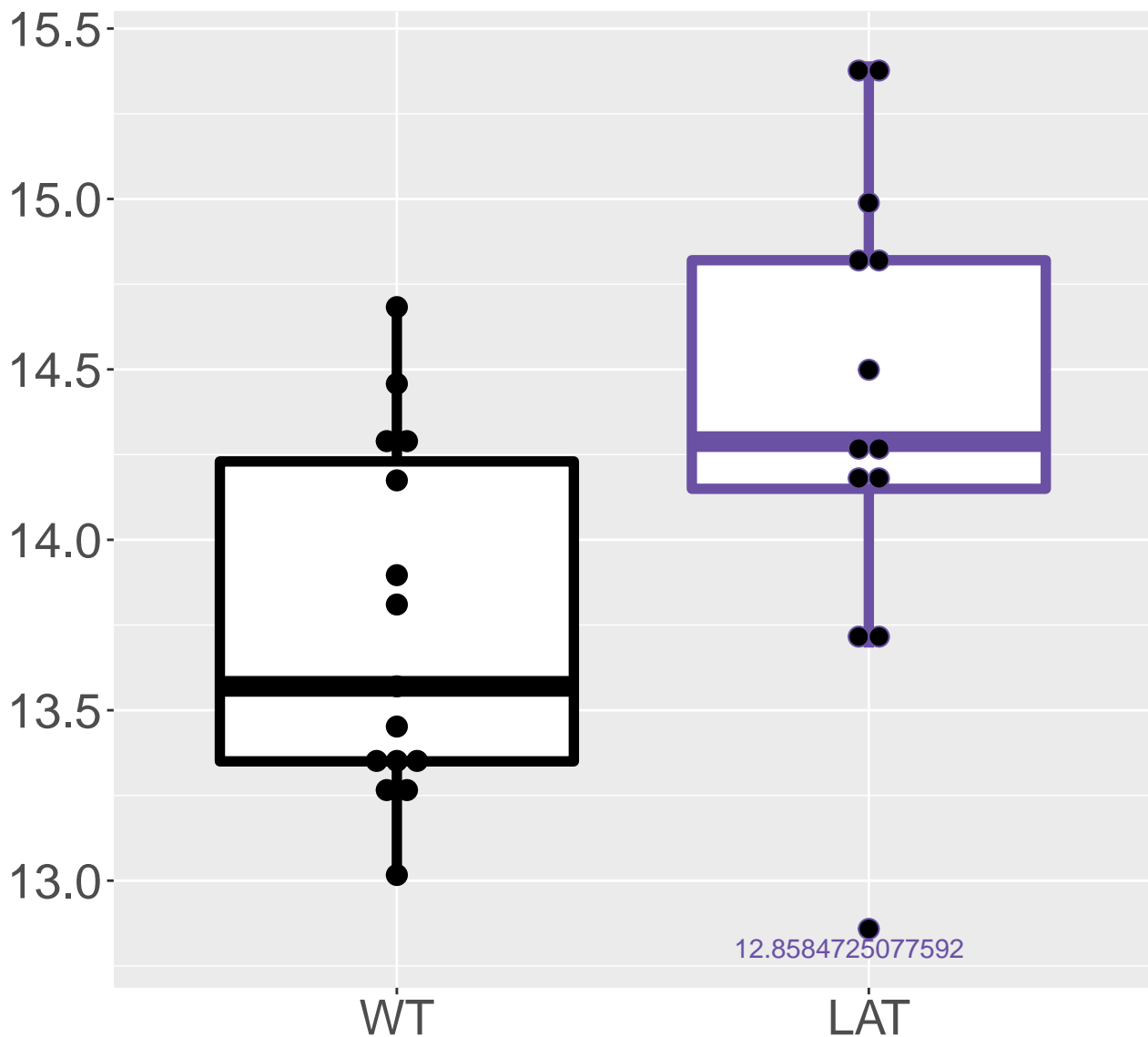


**M508.0296T336.93\_2**  
**FDR = 0.0013, FC = -2.7**

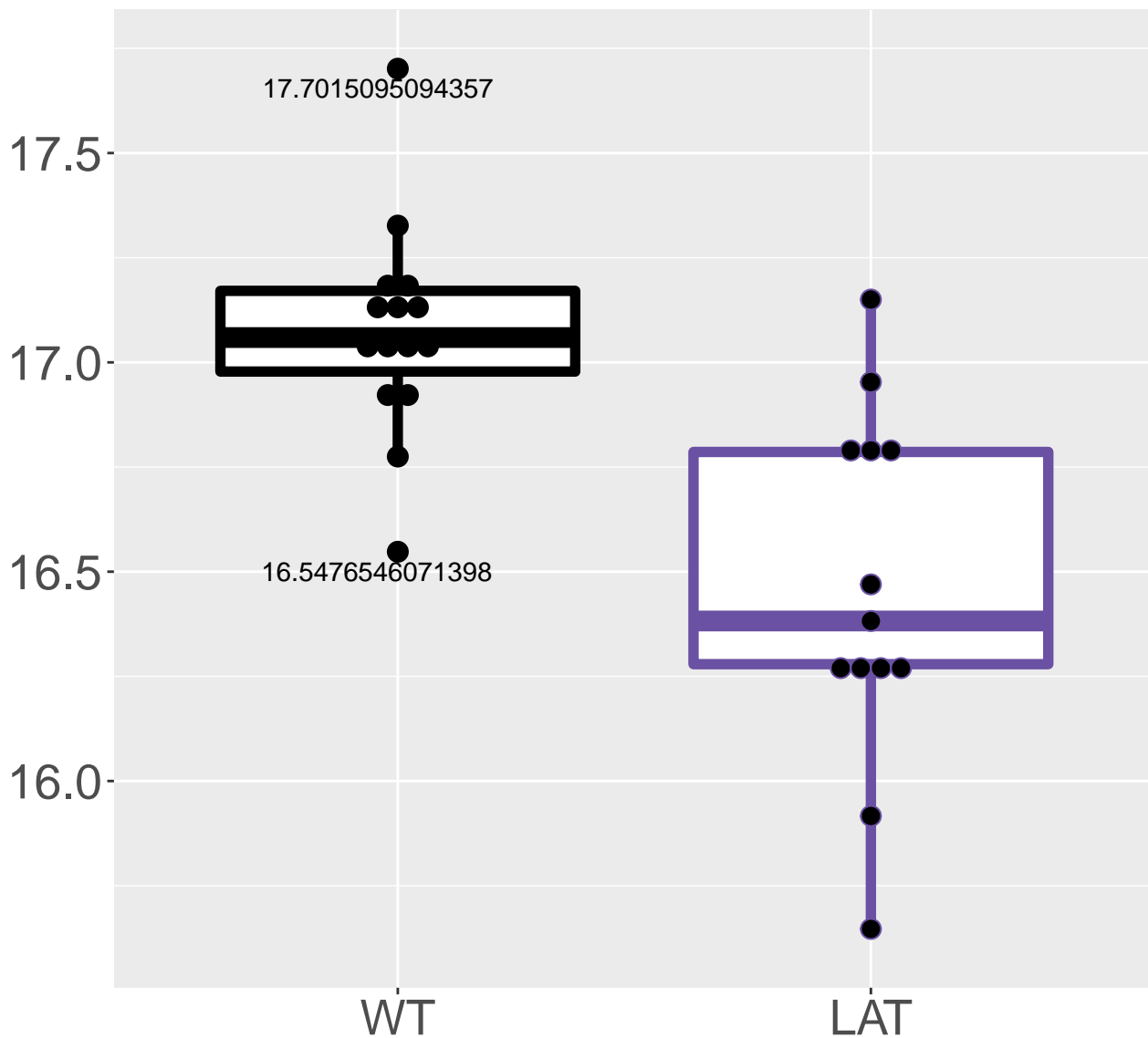


**M230.1398T124.95**

**FDR = 0.0013, FC = 0.64, sex\*\*\***

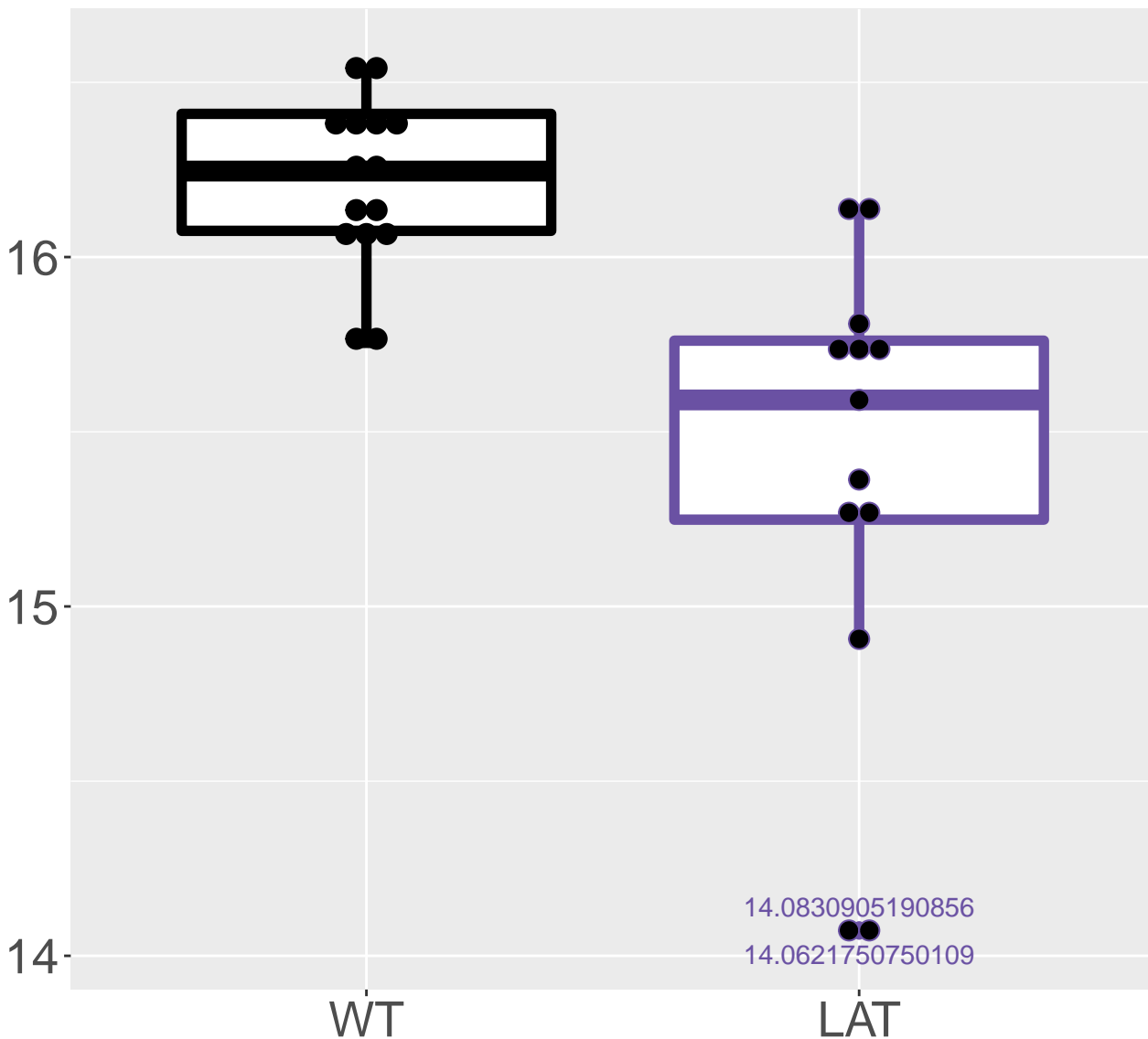


**FDR = 0.0013, FC = -0.61**



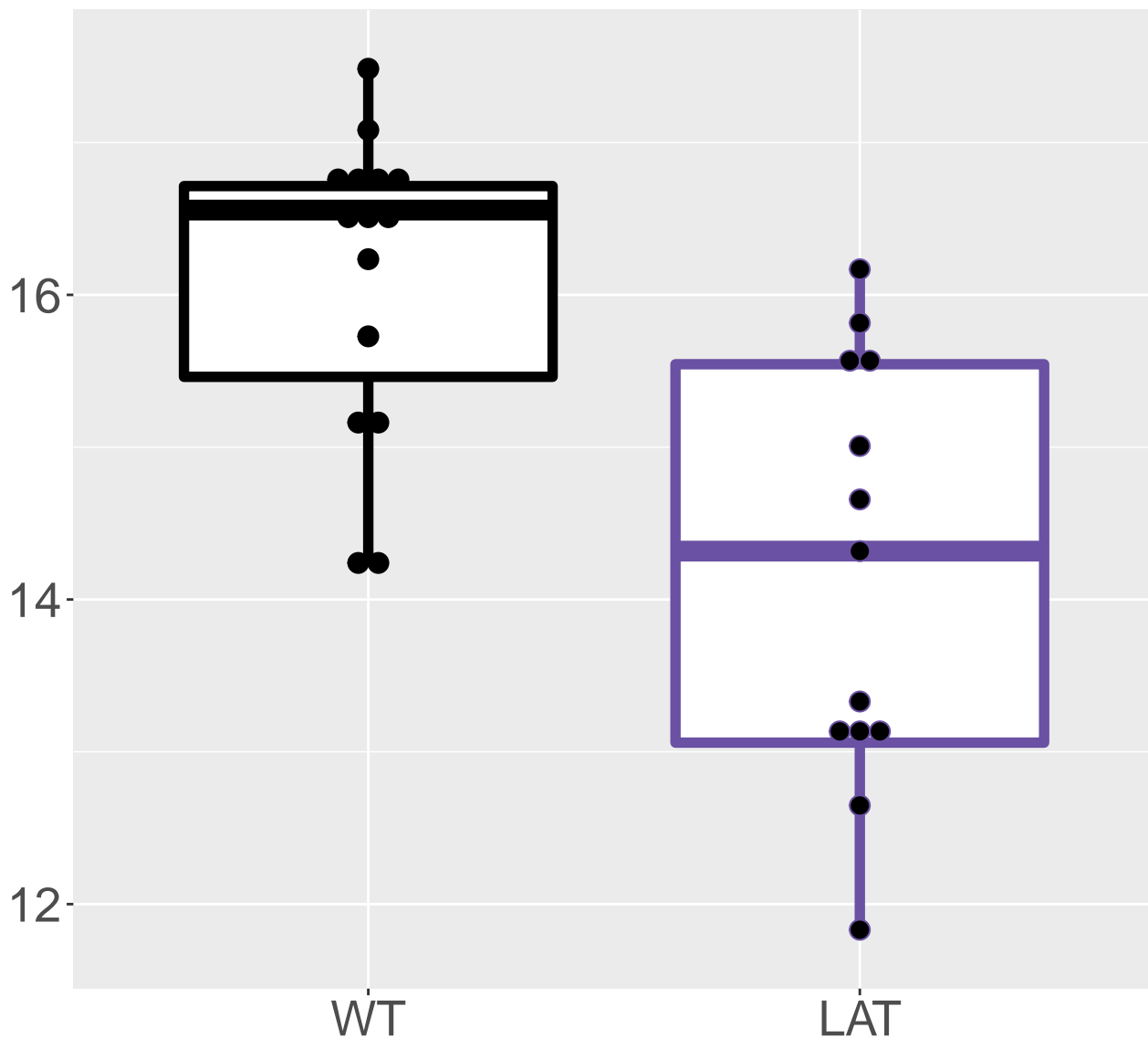
**M162.3988T113.11\_40**

**FDR = 0.0013, FC = -0.84**

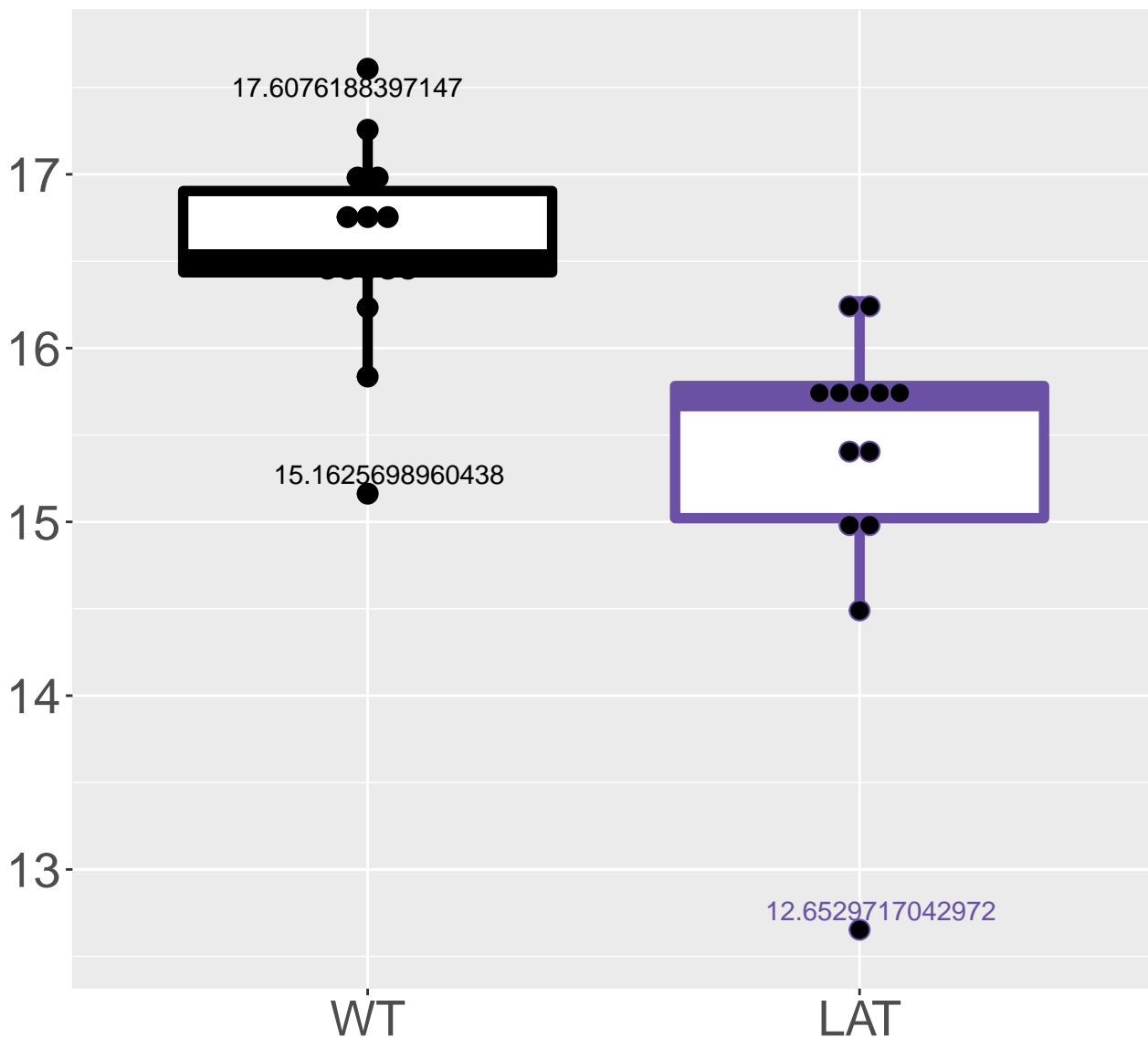




**M540.0442T341.32\_2**  
**FDR = 0.0013, FC = -2**

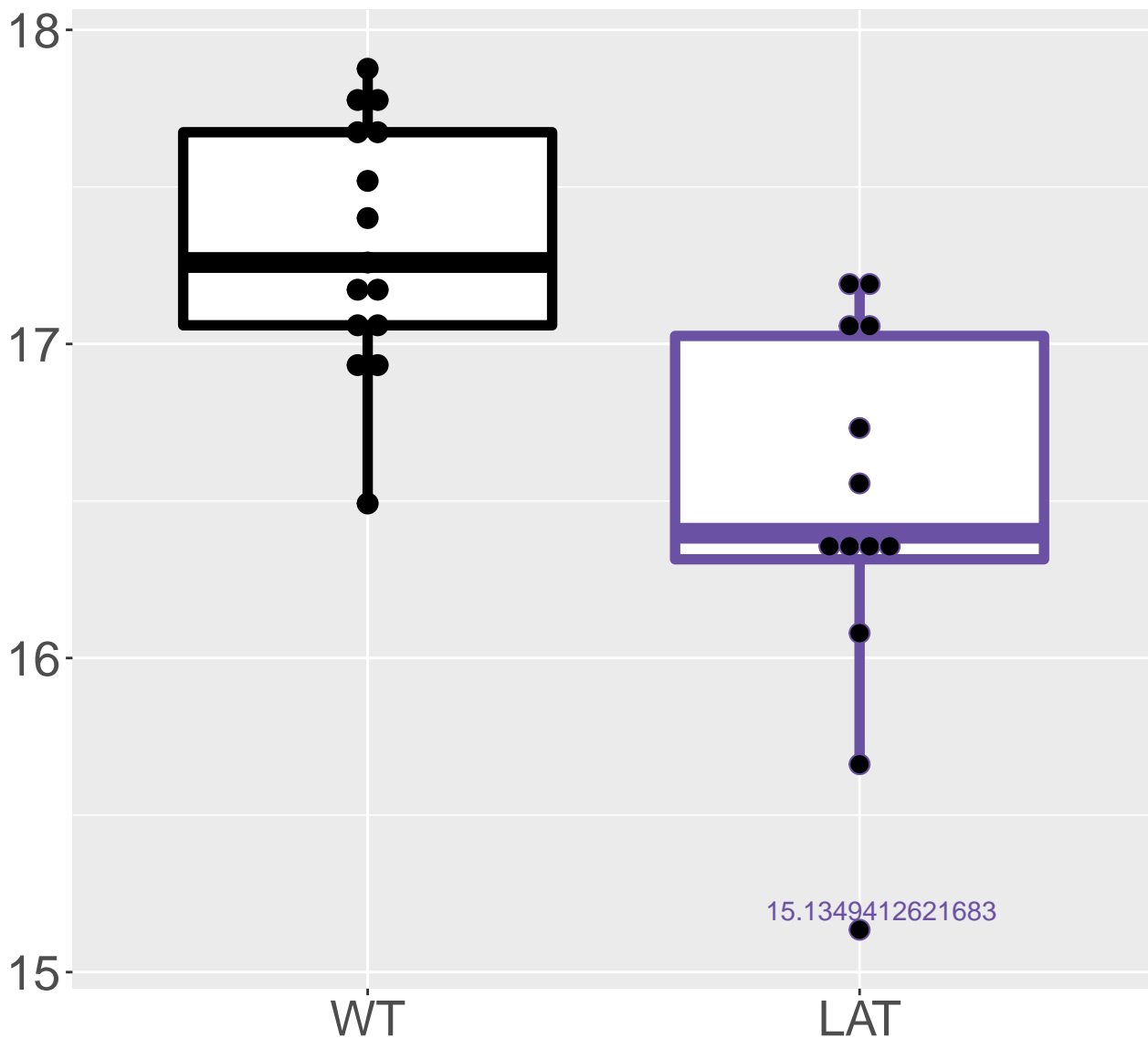


**M135.0934T75.54\_20**  
**FDR = 0.0013, FC = -1.3**



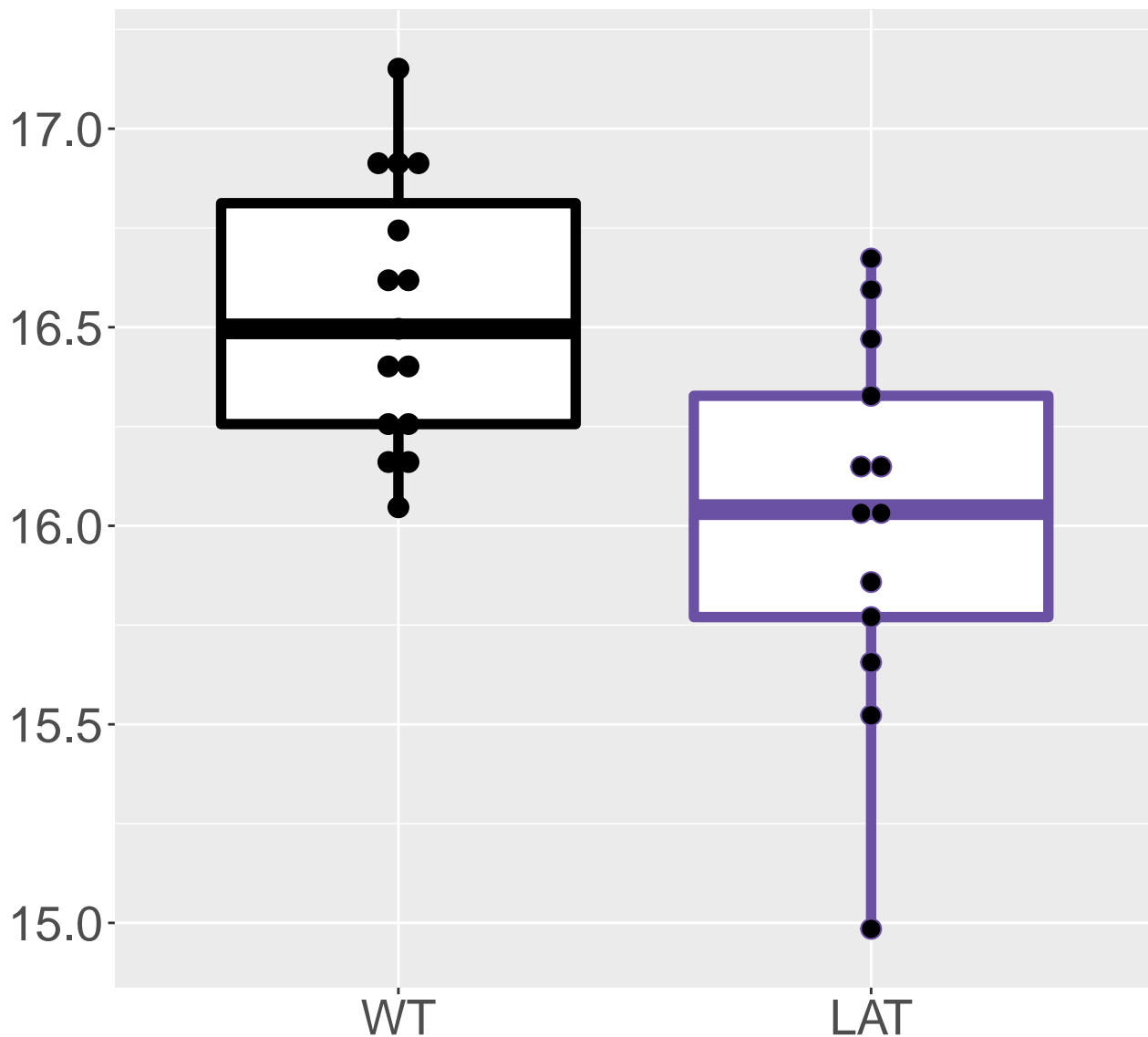
**M130.6573T75.34\_8**

**FDR = 0.0013, FC = -0.85**

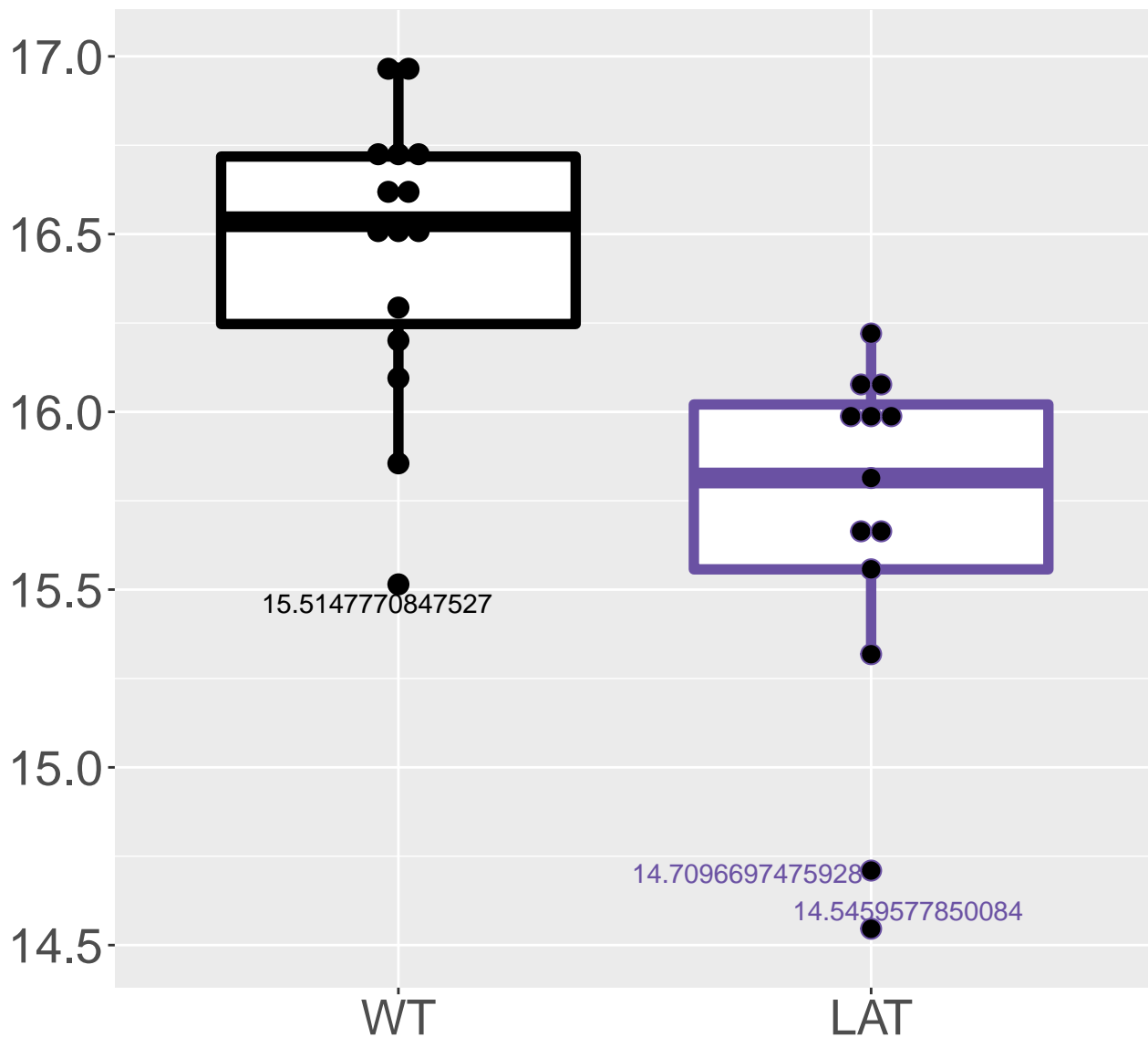


**M578.6808T298.12\_2**

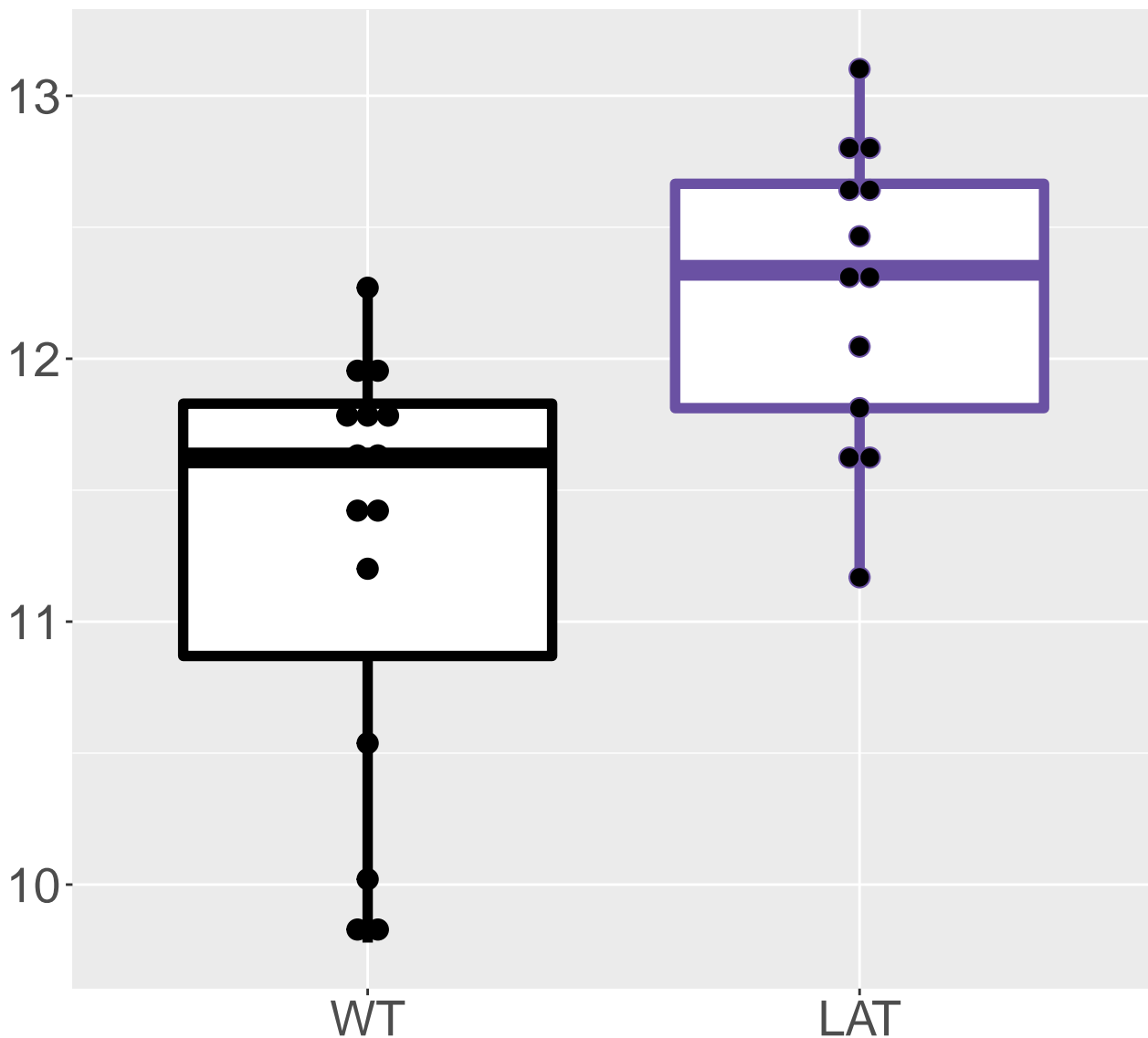
**FDR = 0.0013, FC = -0.52, sex\*\*\***



**M126.8693T75.52\_10**  
**FDR = 0.0013, FC = -0.79**

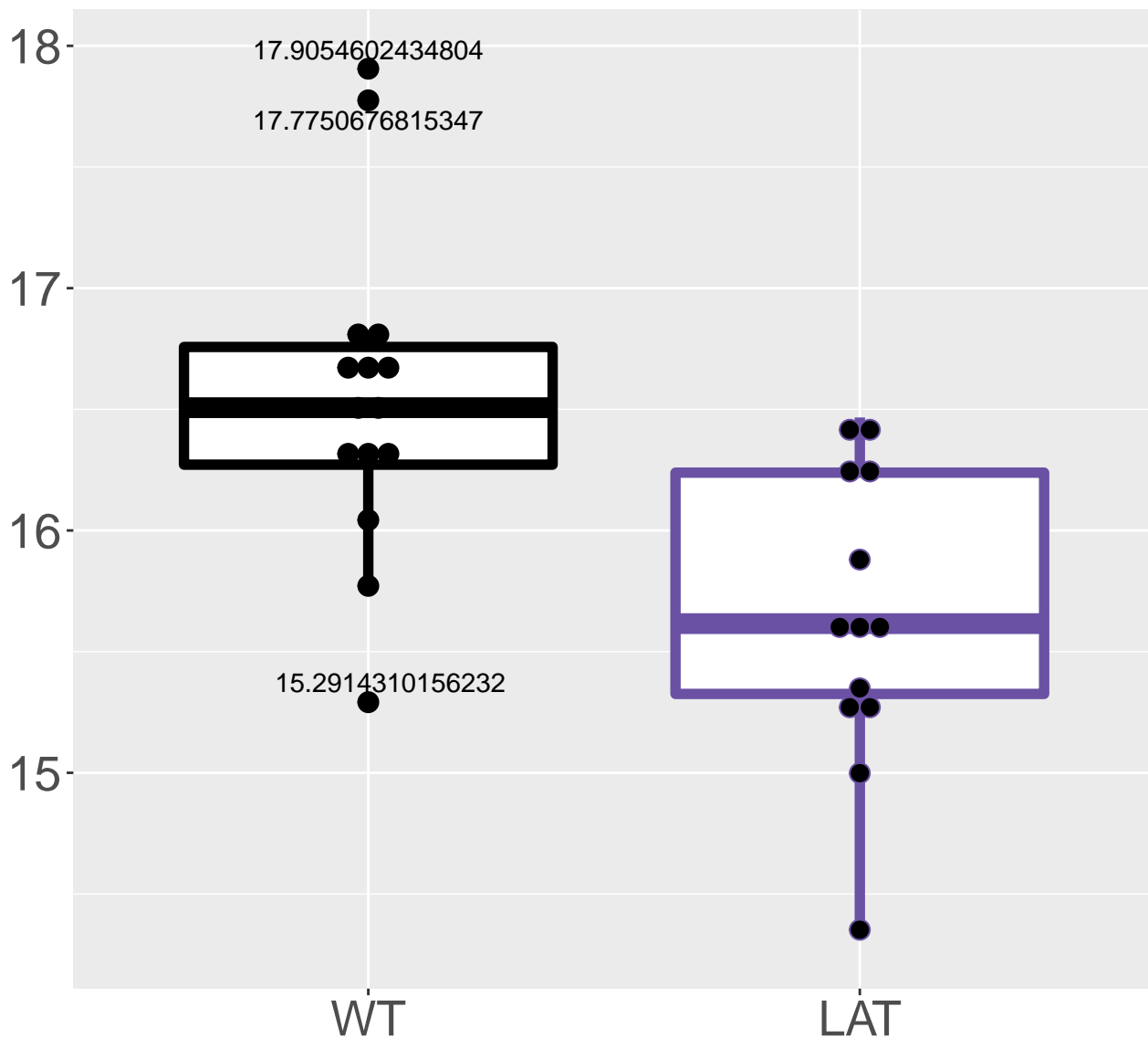


**M518.5934T269**  
**FDR = 0.0013, FC = 0.98**



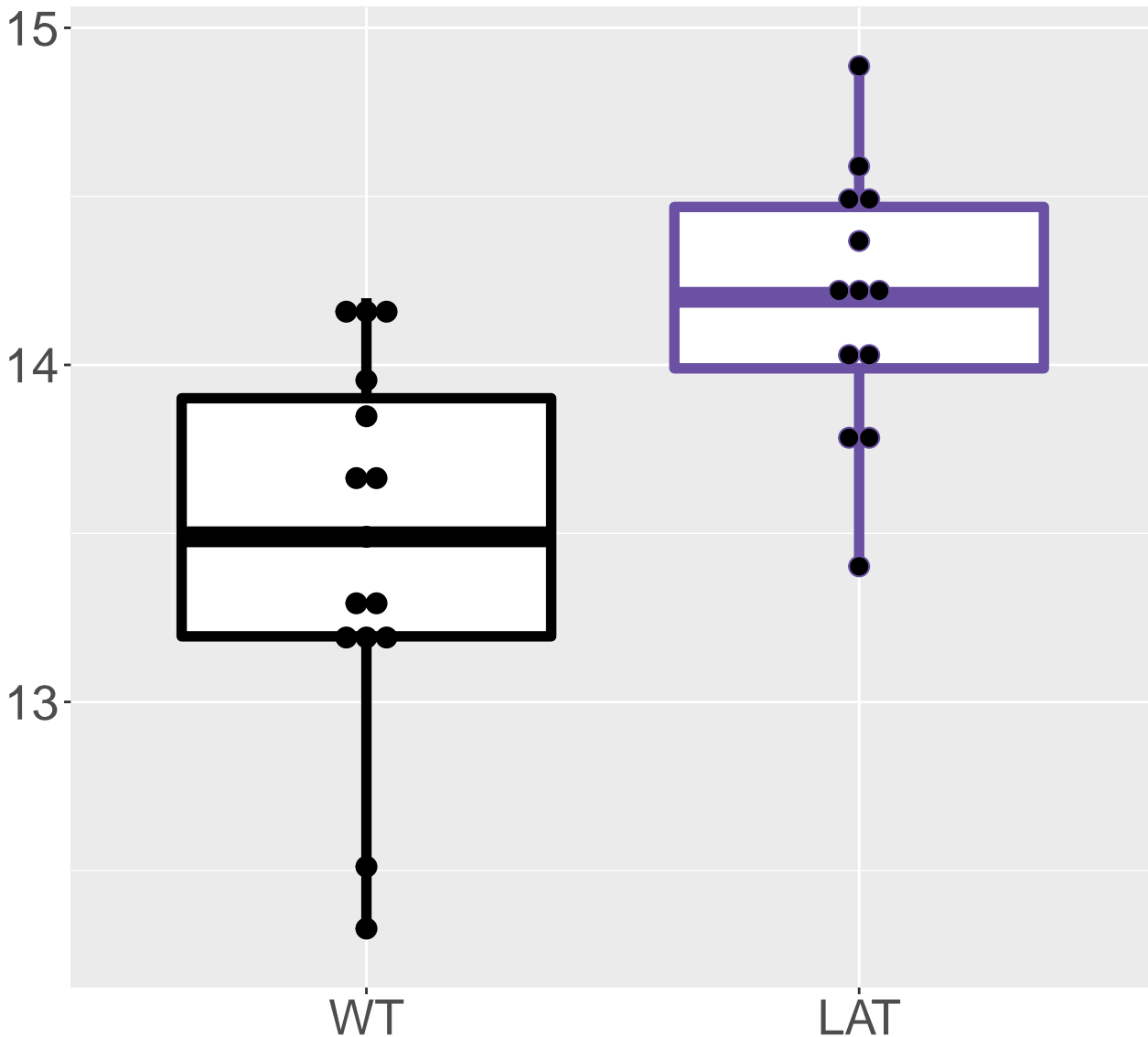
**M413.1446T277.09**

**FDR = 0.0013, FC = -0.92, sex\***



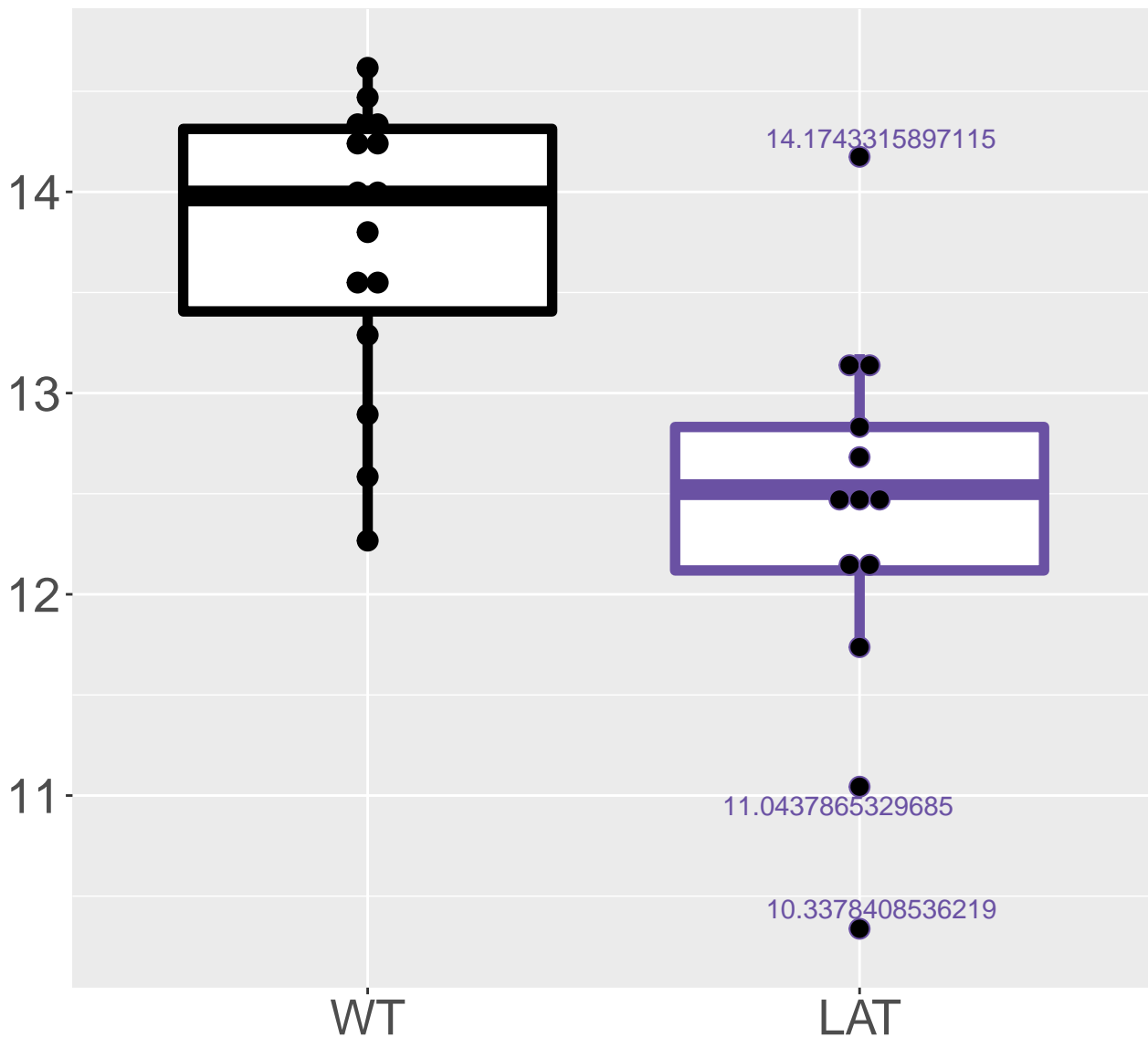
**M544.791T279.68\_1**

**FDR = 0.0013, FC = 0.72**



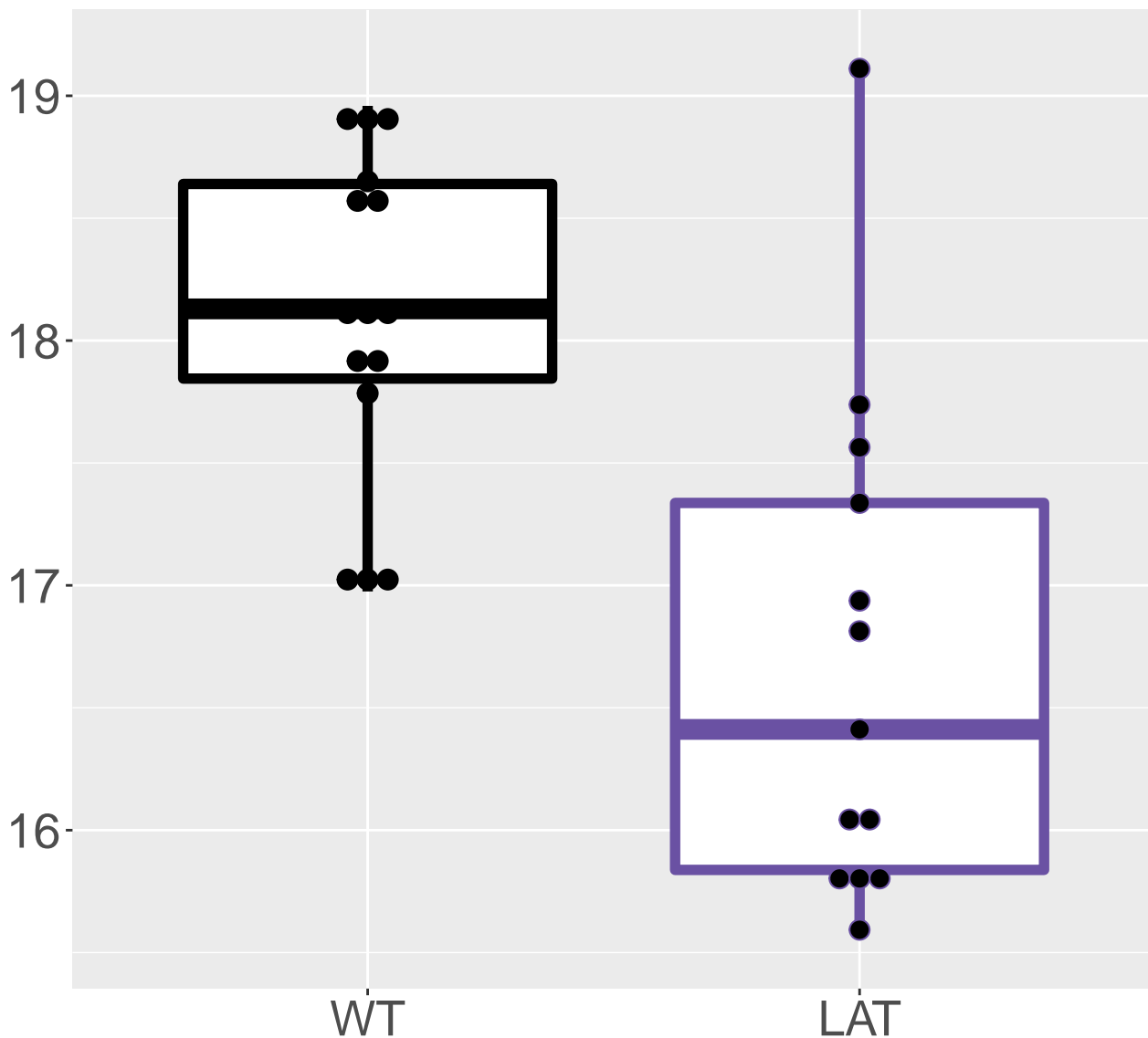


**M547.2157T229.61**  
**FDR = 0.0013, FC = -1.4**



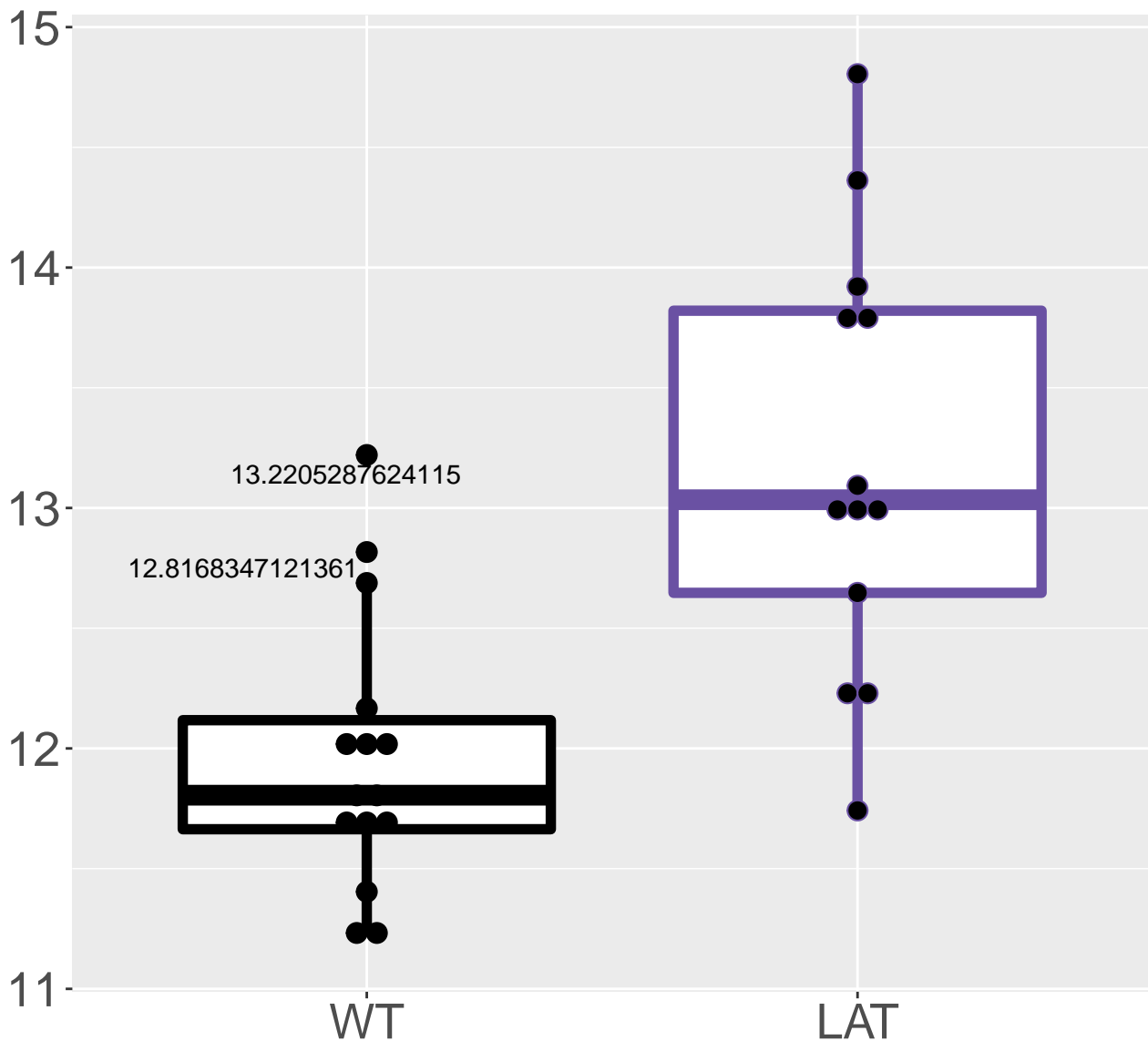
**M847.2963T50**

**FDR = 0.0013, FC = -1.4**



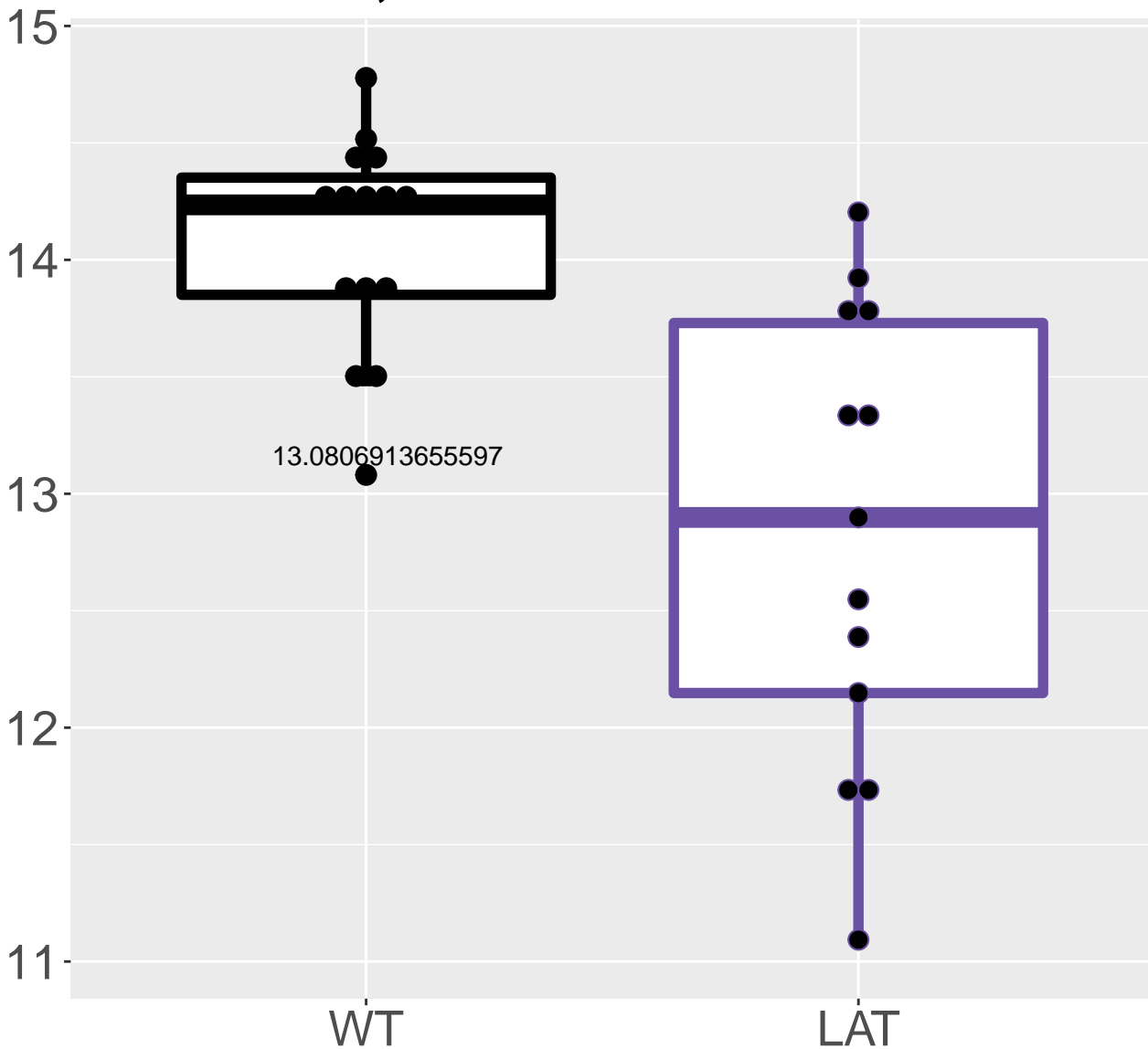
**M374.1972T253.16**

**FDR = 0.0014, FC = 1.2**



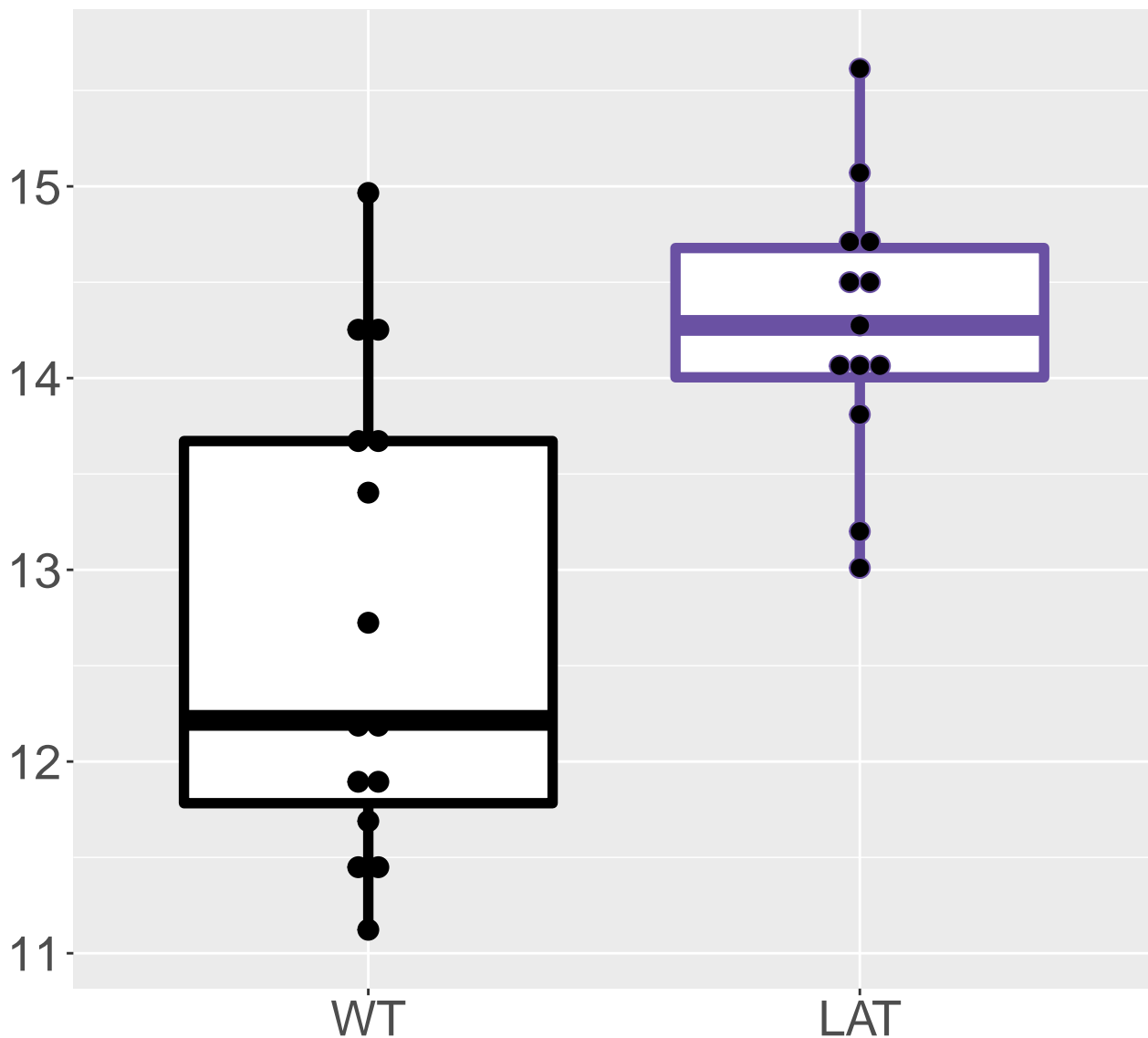
**M315.6967T249.56**

**FDR = 0.0014, FC = -1.2**



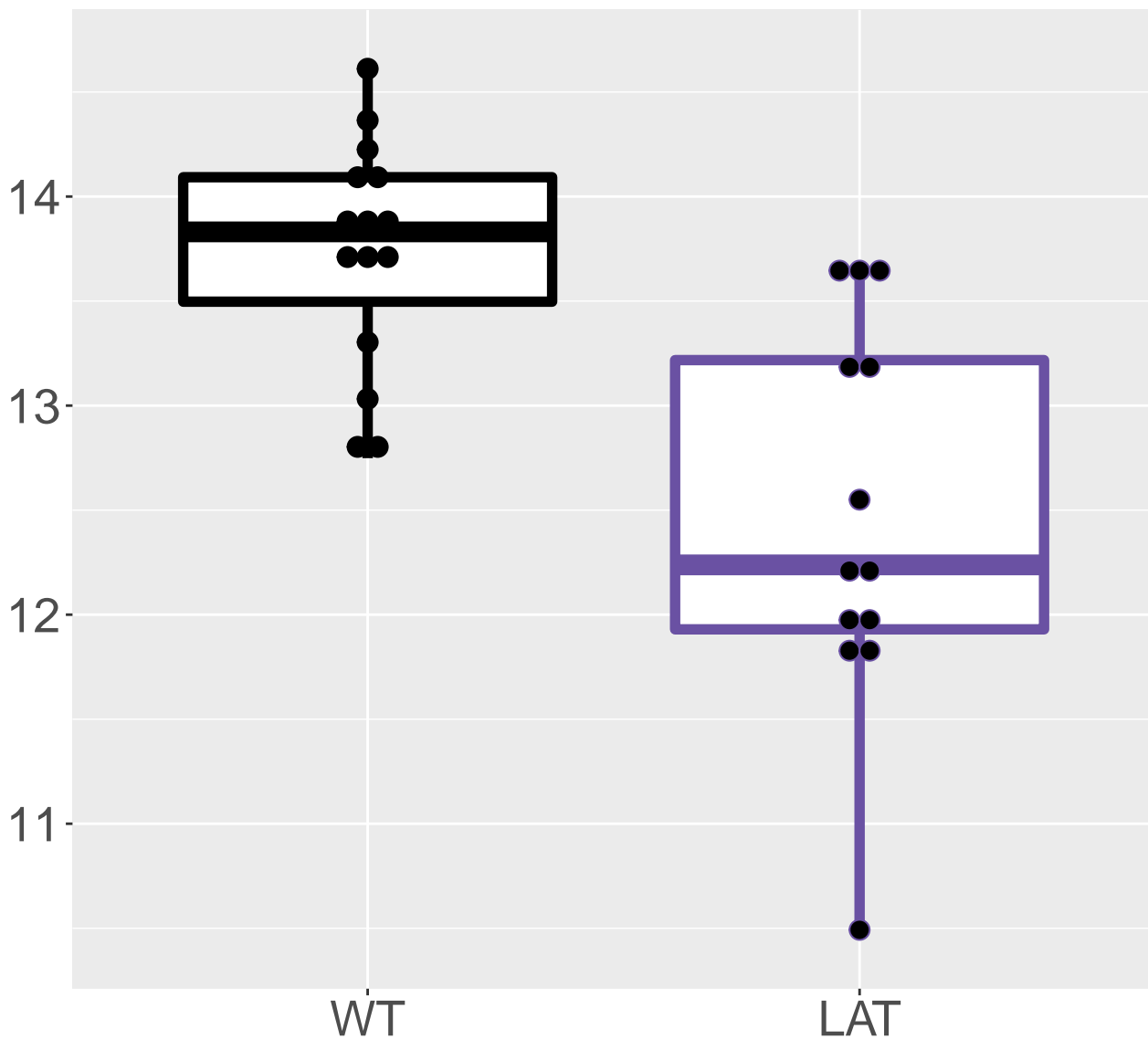
**M482.3003T295.58**

**FDR = 0.0014, FC = 1.6**

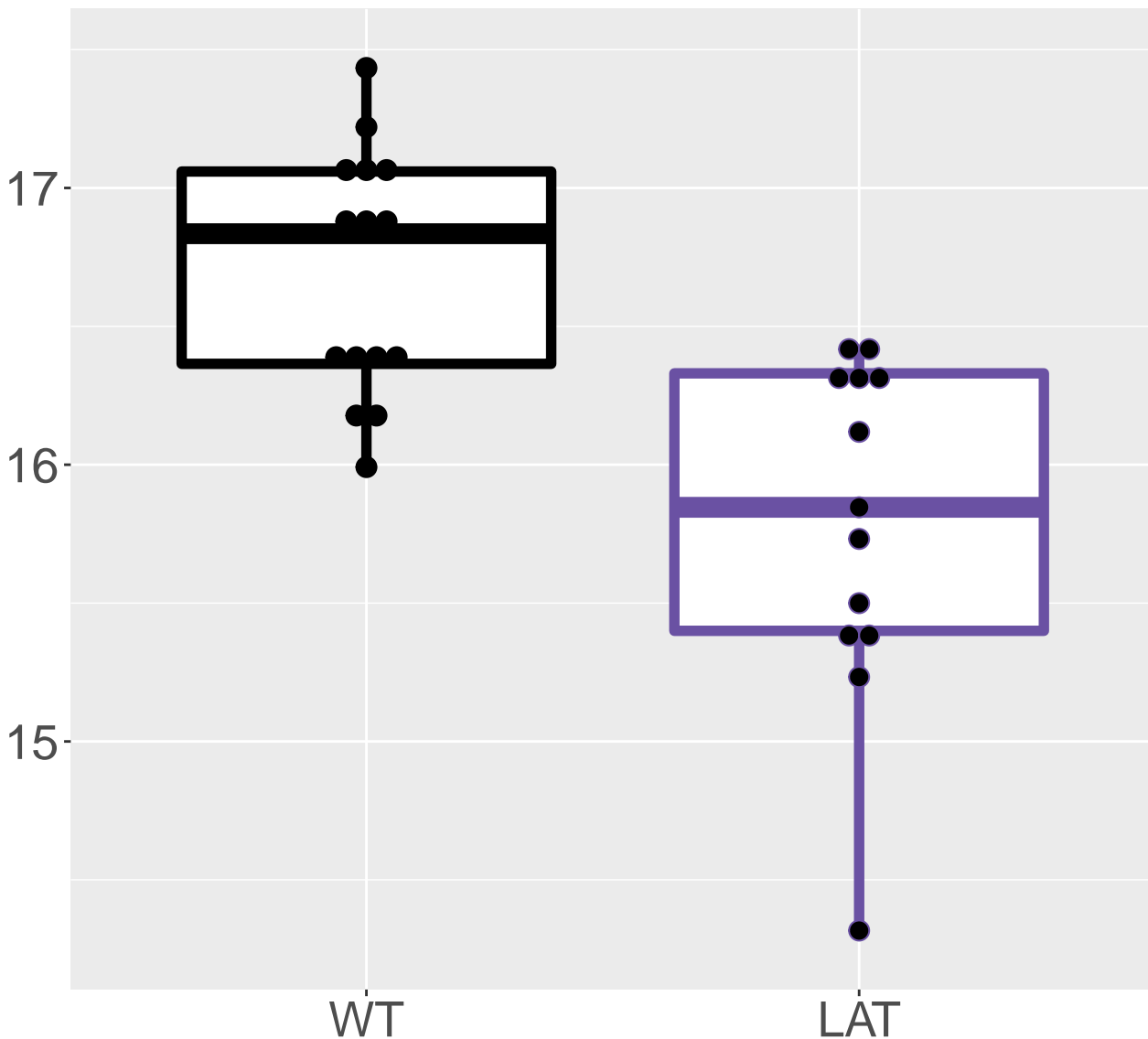


**M448.9138T323.76\_2**

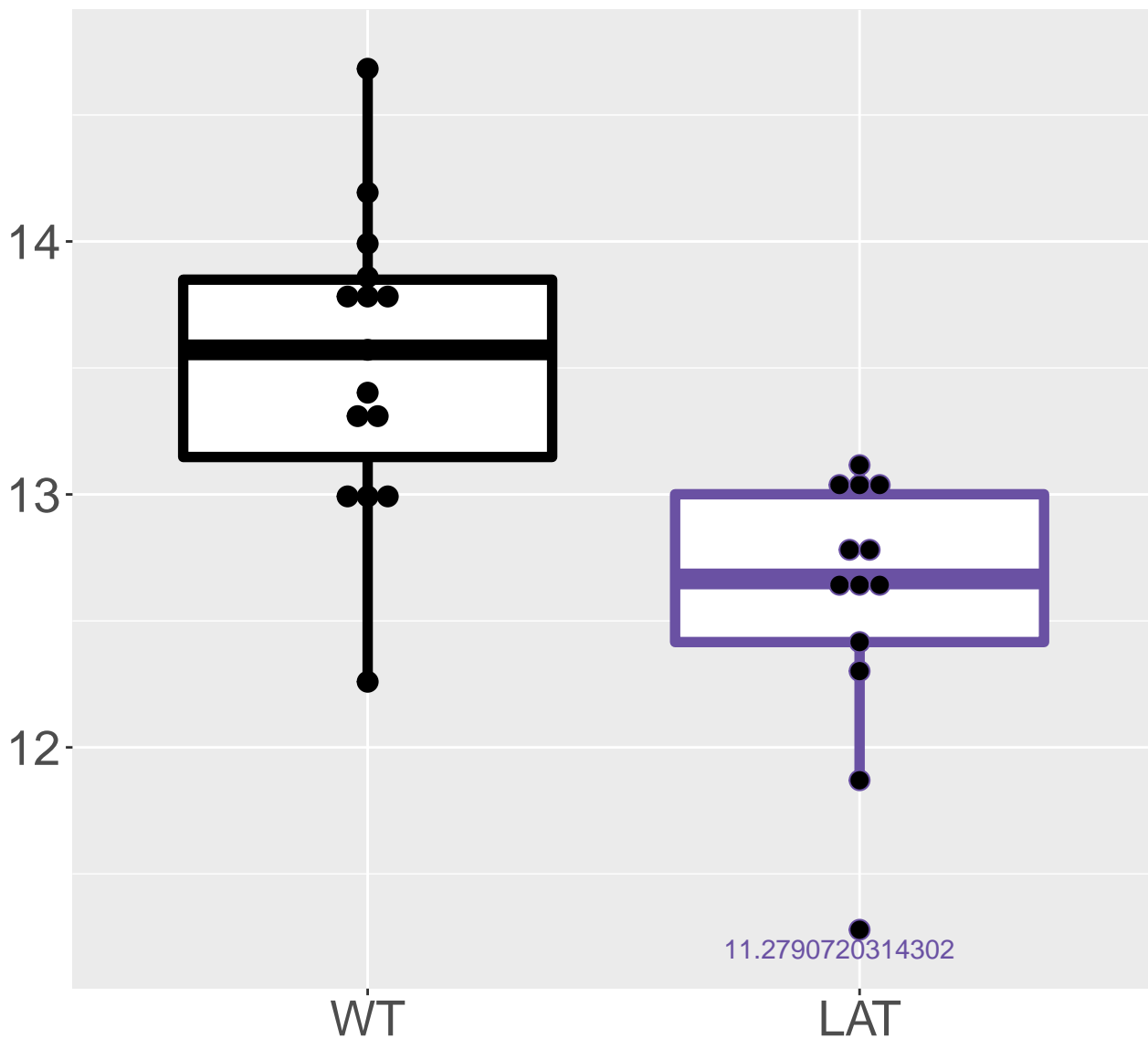
**FDR = 0.0014, FC = -1.2**



**M127.7281T75.47\_12**  
**FDR = 0.0014, FC = -0.9**



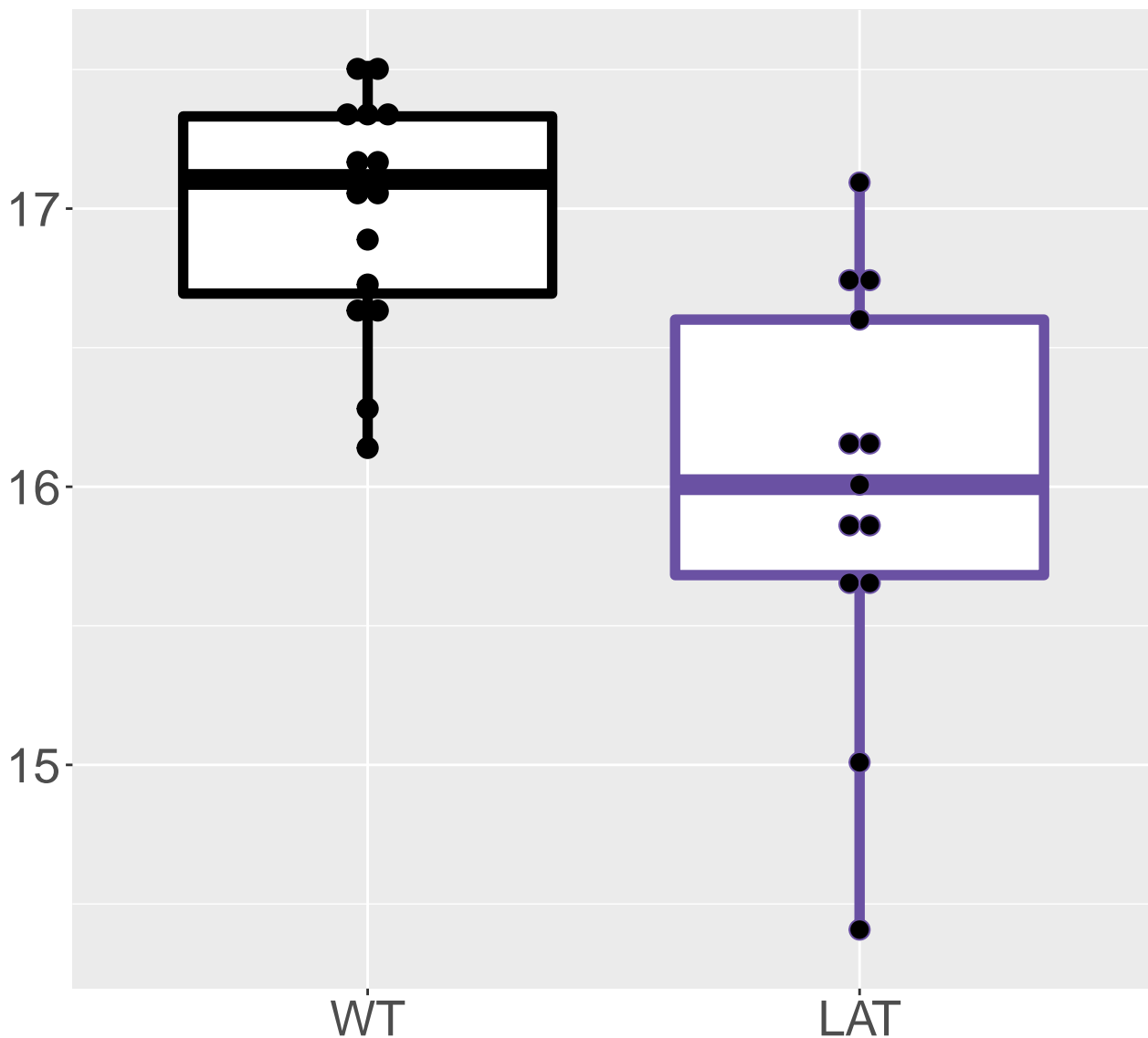
**M516.6123T322.82\_1**  
**FDR = 0.0014, FC = -0.94**





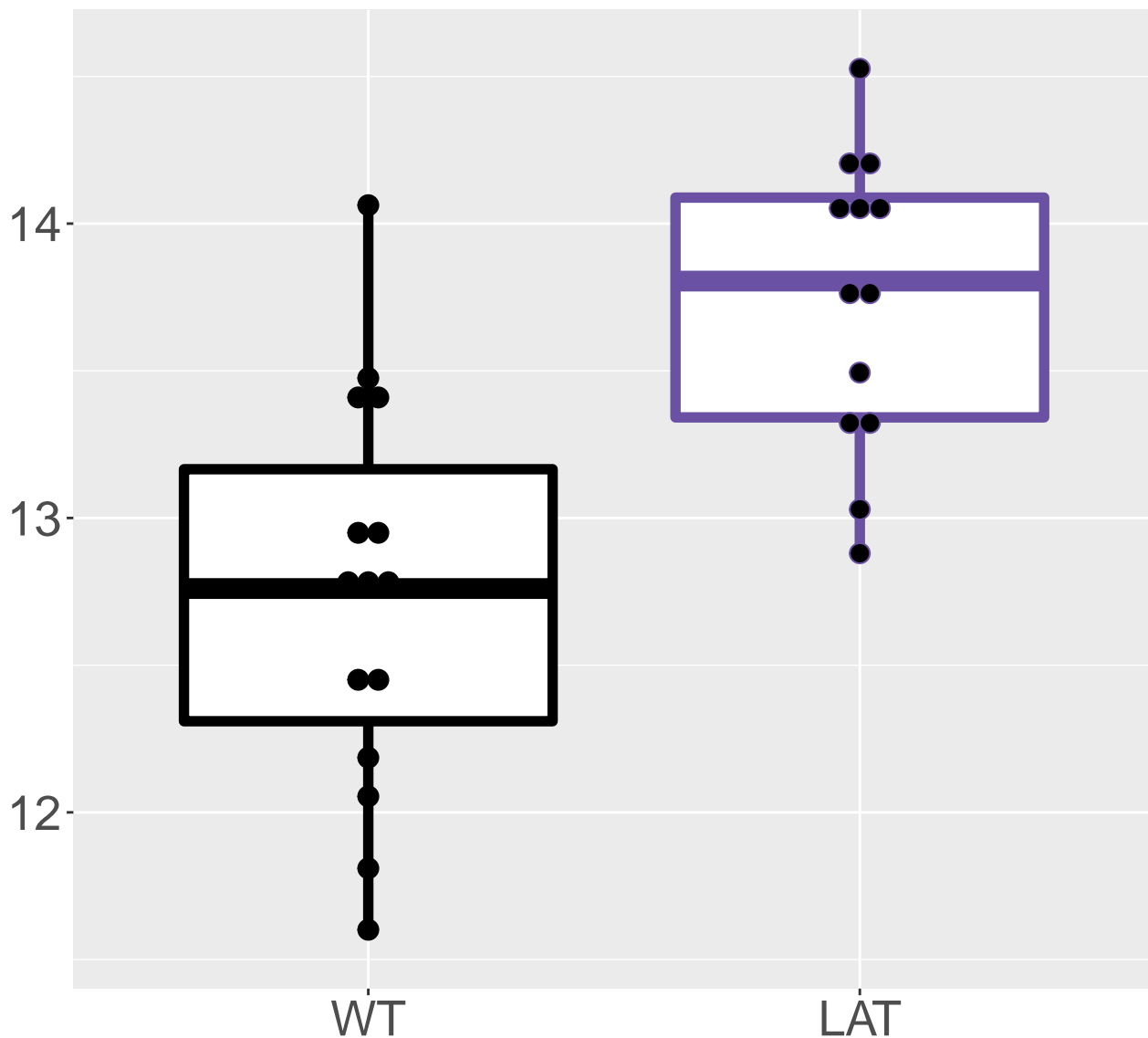
**M133.8579T75.64\_14**

**FDR = 0.0014, FC = -0.99**

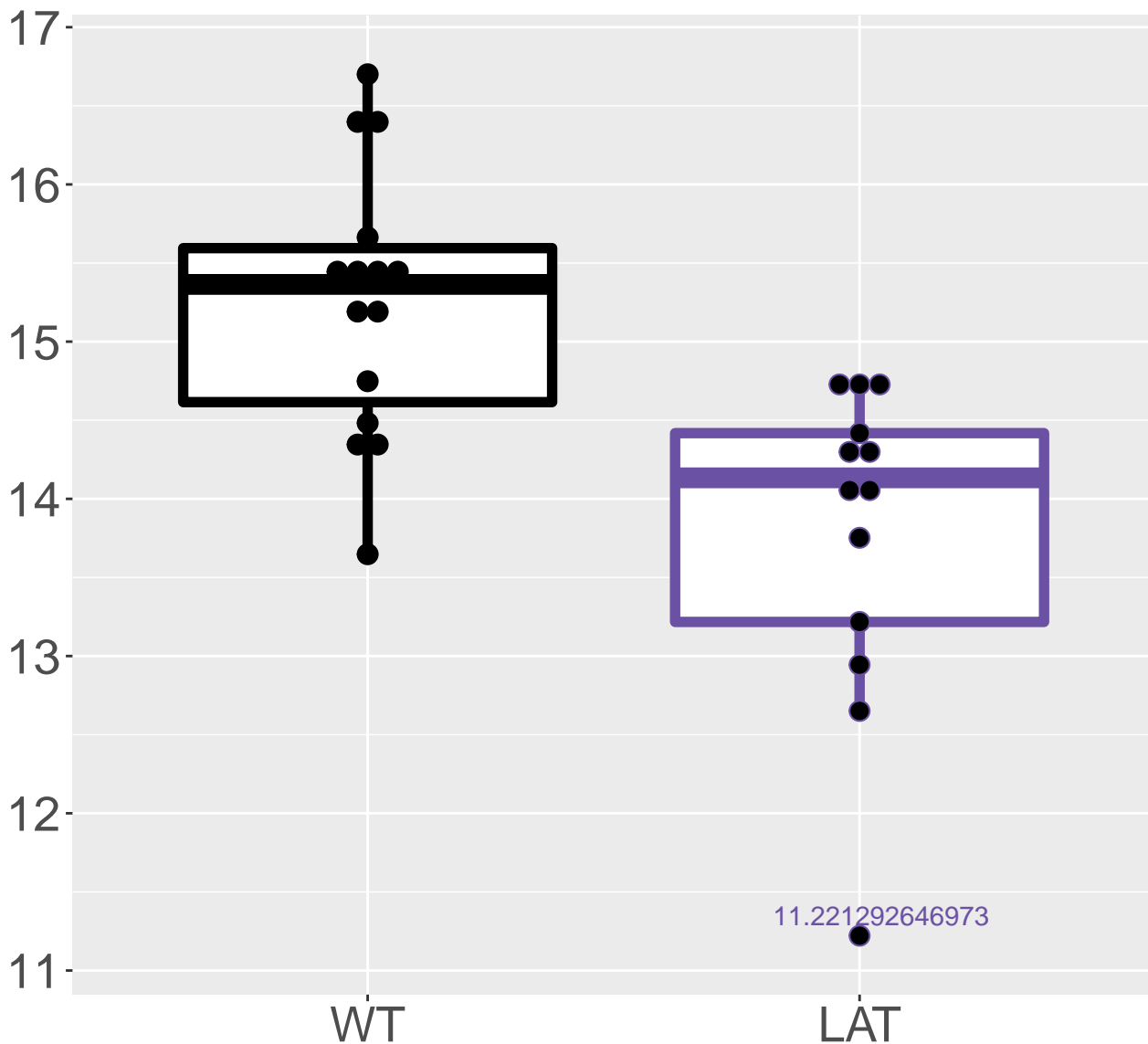


**M355.6973T151.39**

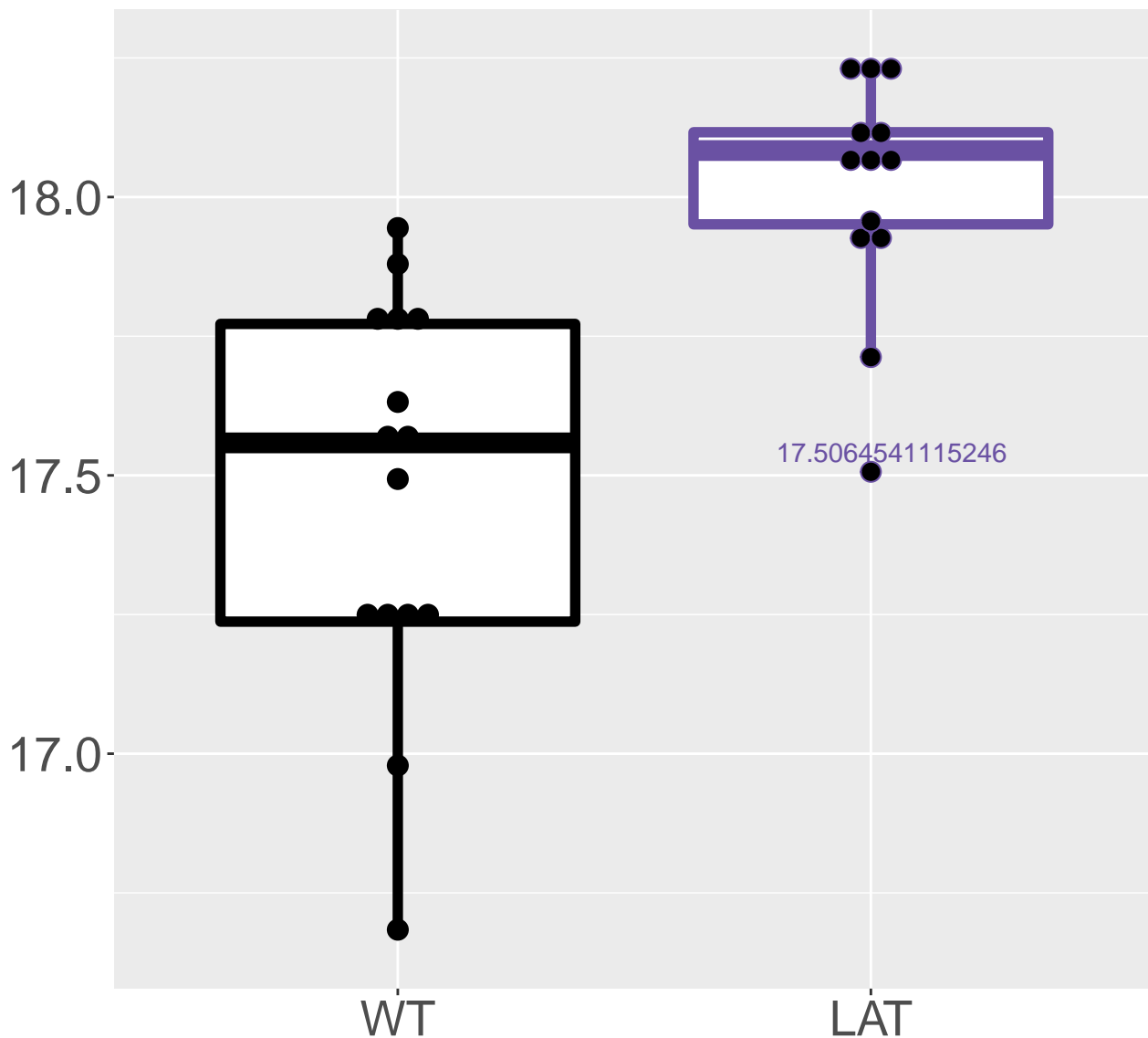
**FDR = 0.0014, FC = 1**



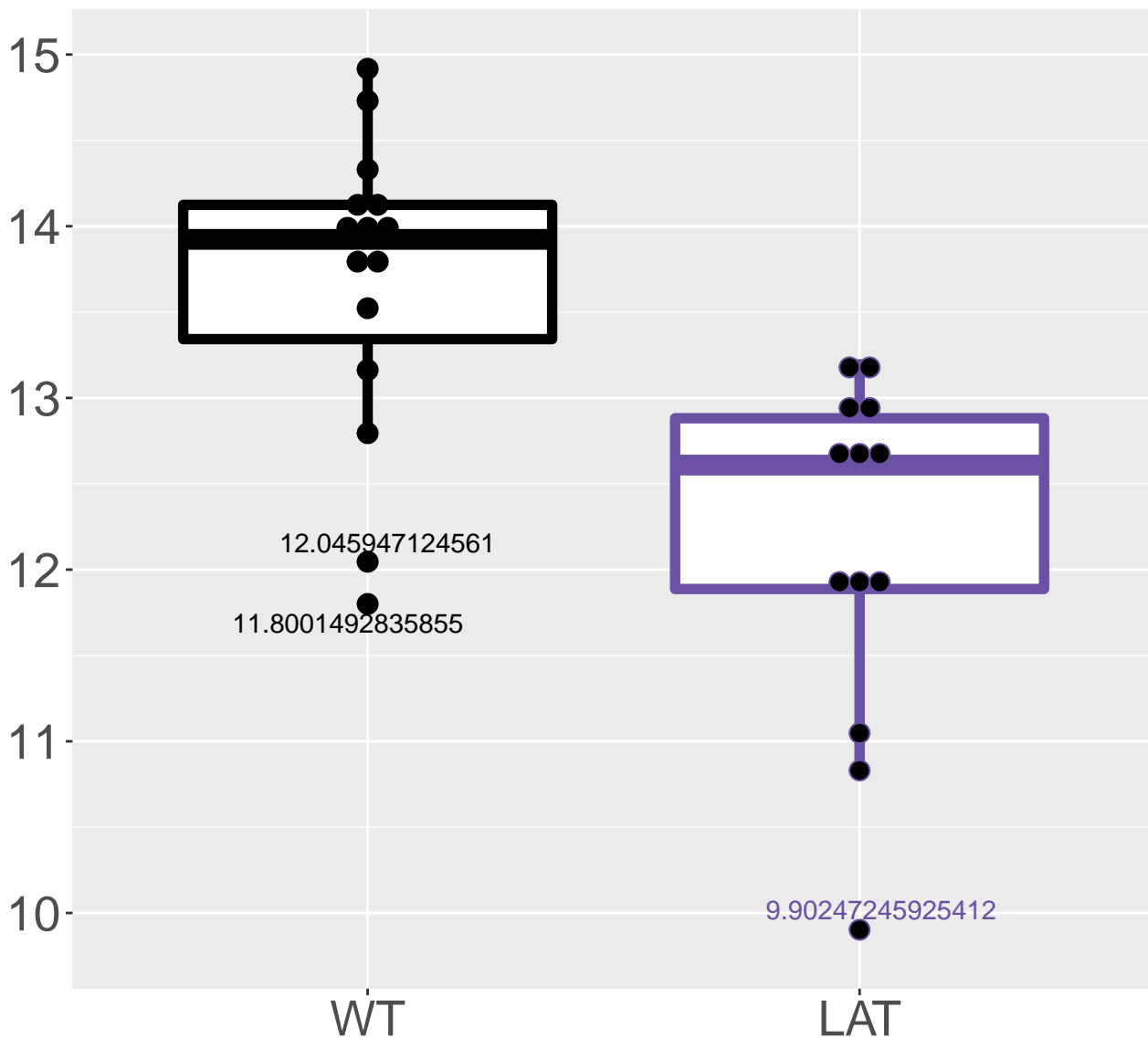
**M494.8877T378.79\_2**  
**FDR = 0.0014, FC = -1.5**



**FDR = 0.0014, FC = 0.54**

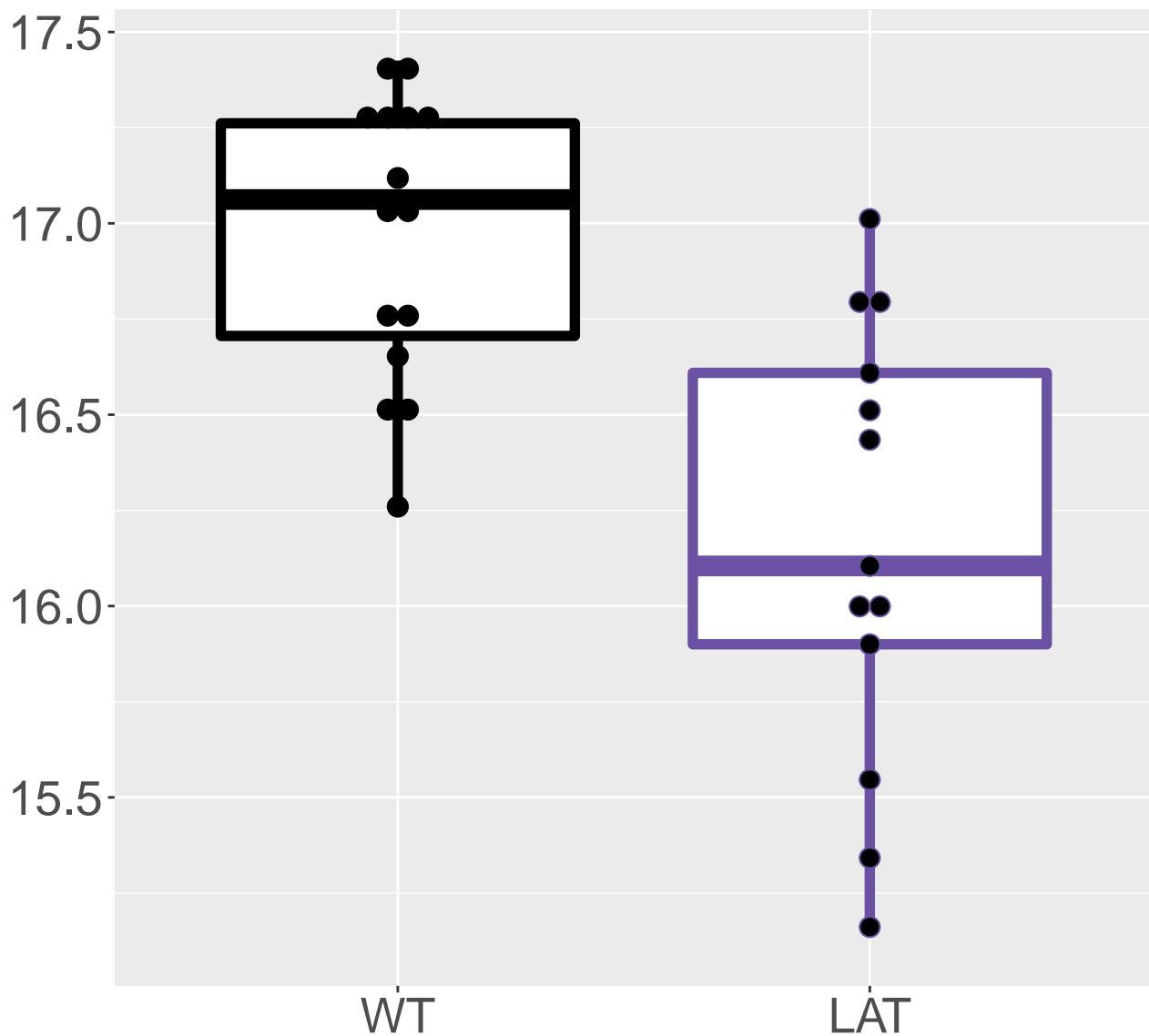


**M295.1828T127.83**  
**FDR = 0.0014, FC = -1.5**



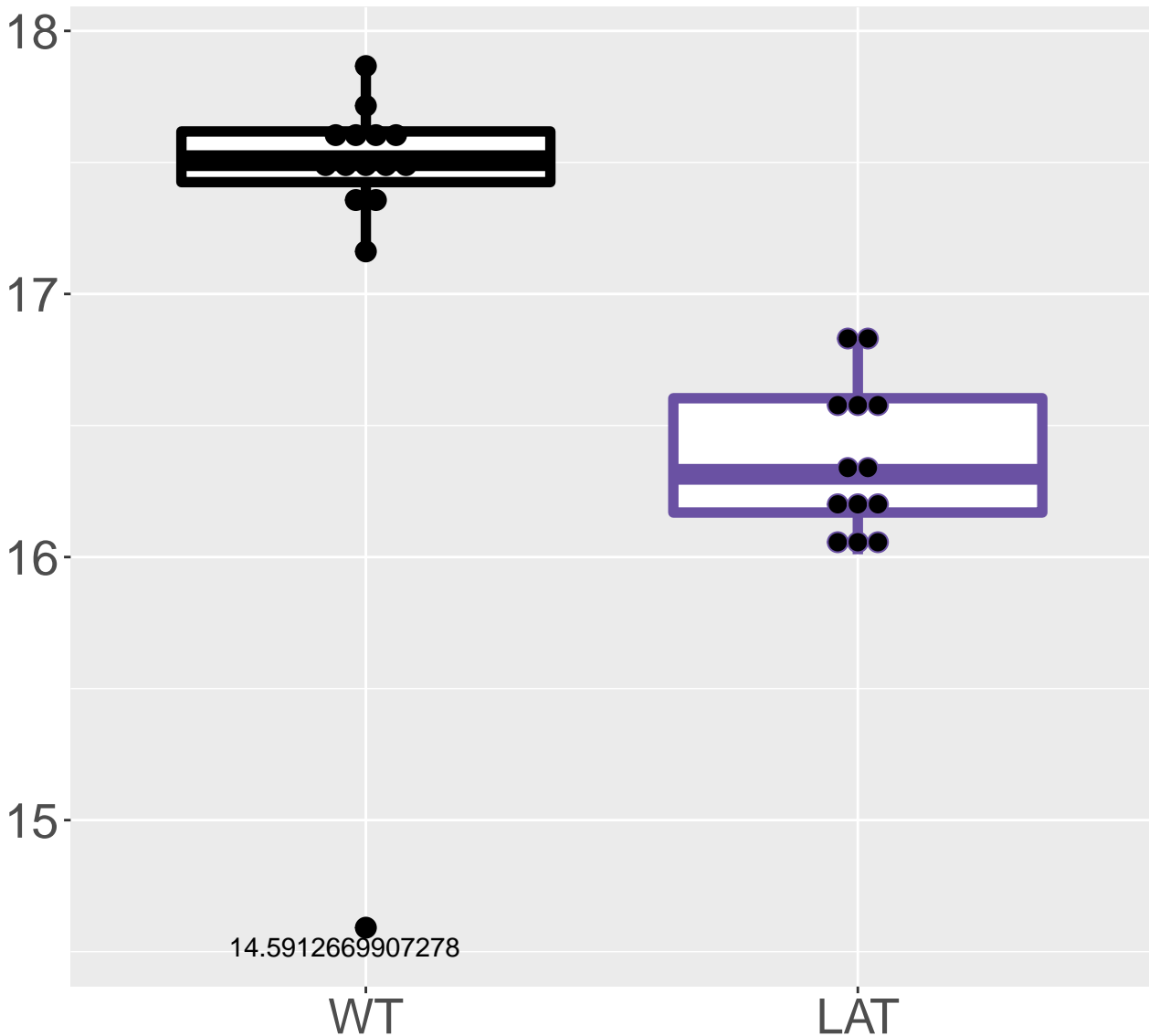
**M129.3373T75.42\_45**

**FDR = 0.0014, FC = -0.8**



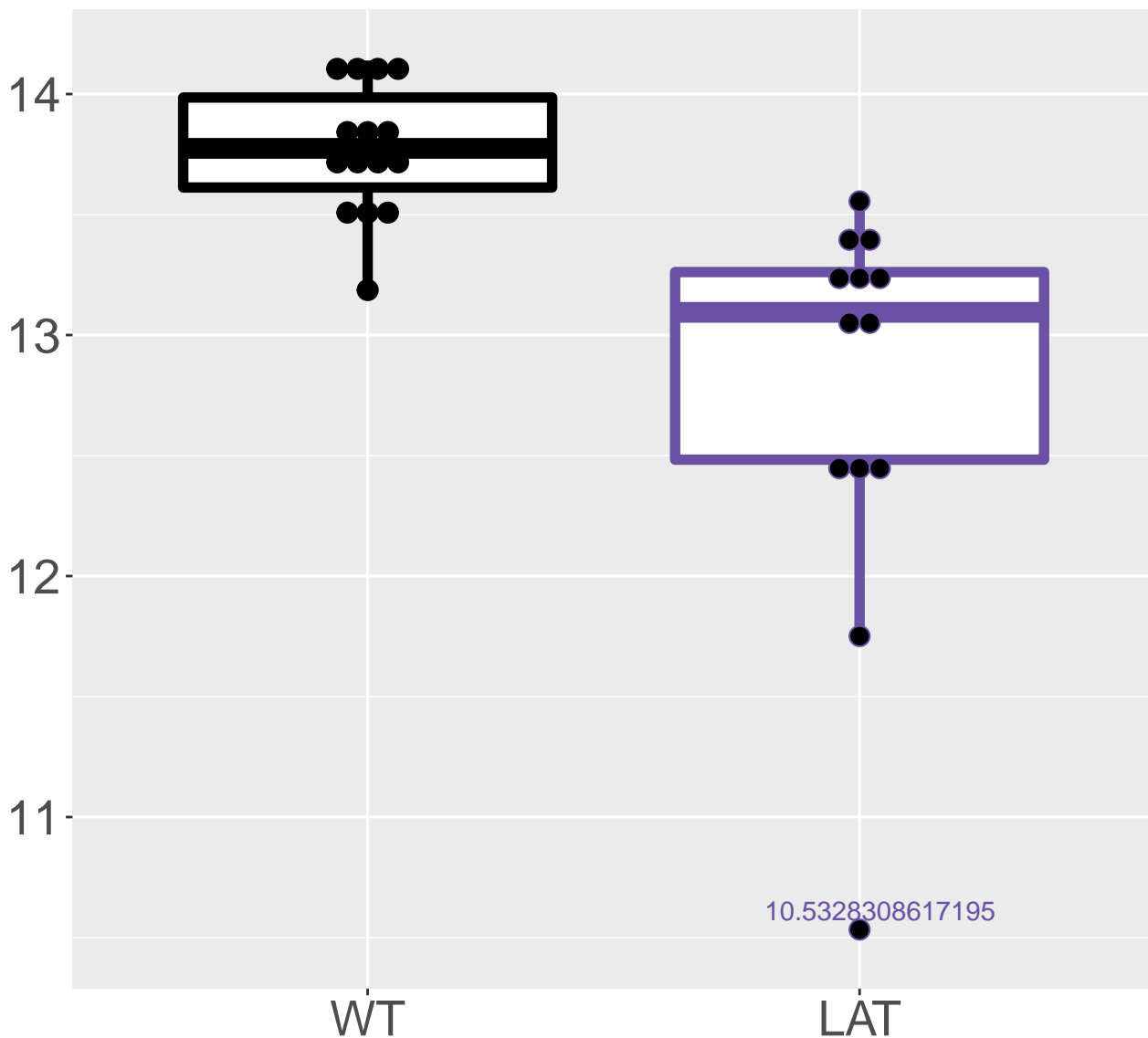
**M830.2575T377.53\_3**

**FDR = 0.0014, FC = -0.95**



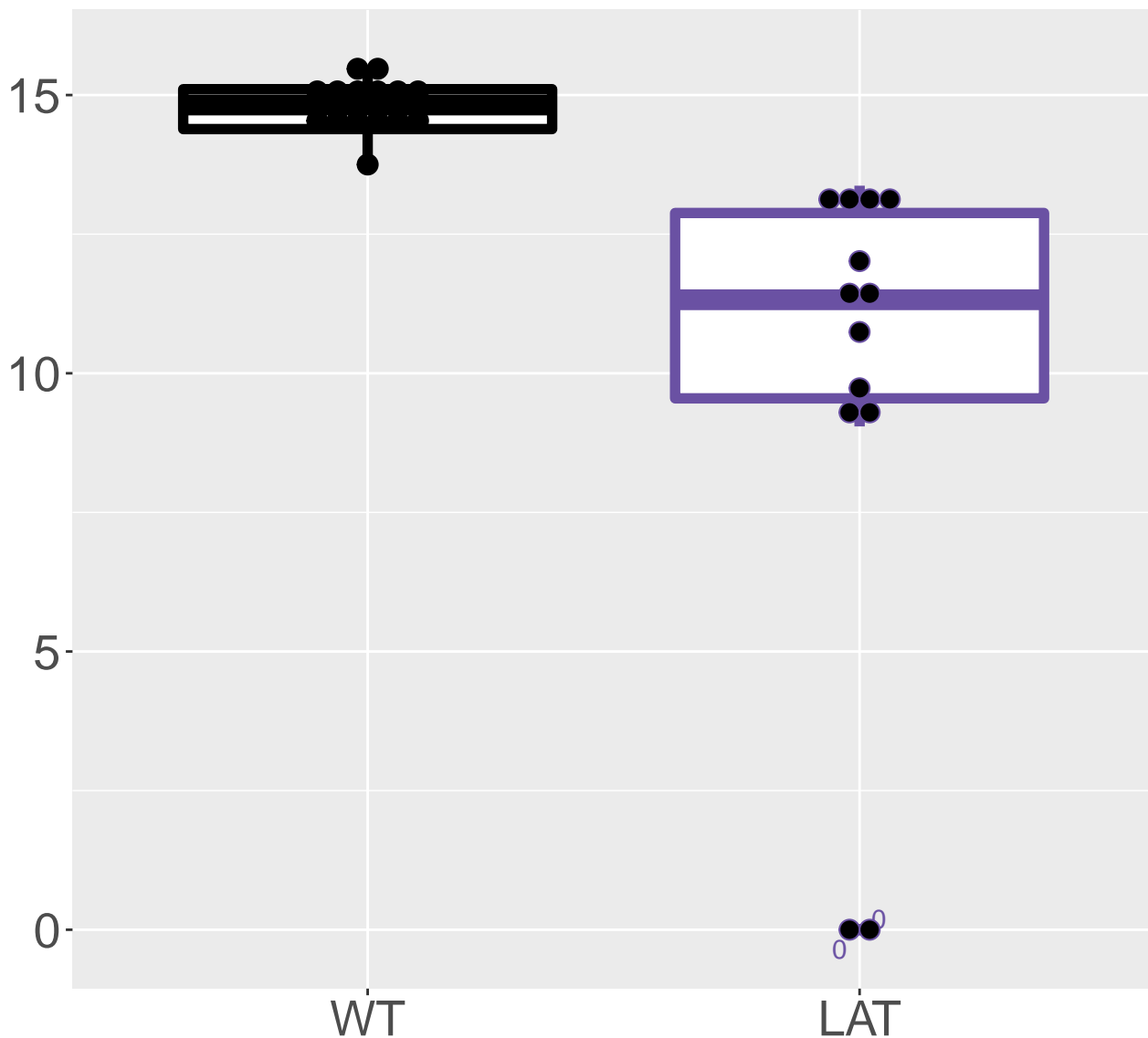
**M207.0885T228.93\_13**

**FDR = 0.0014, FC = -1**

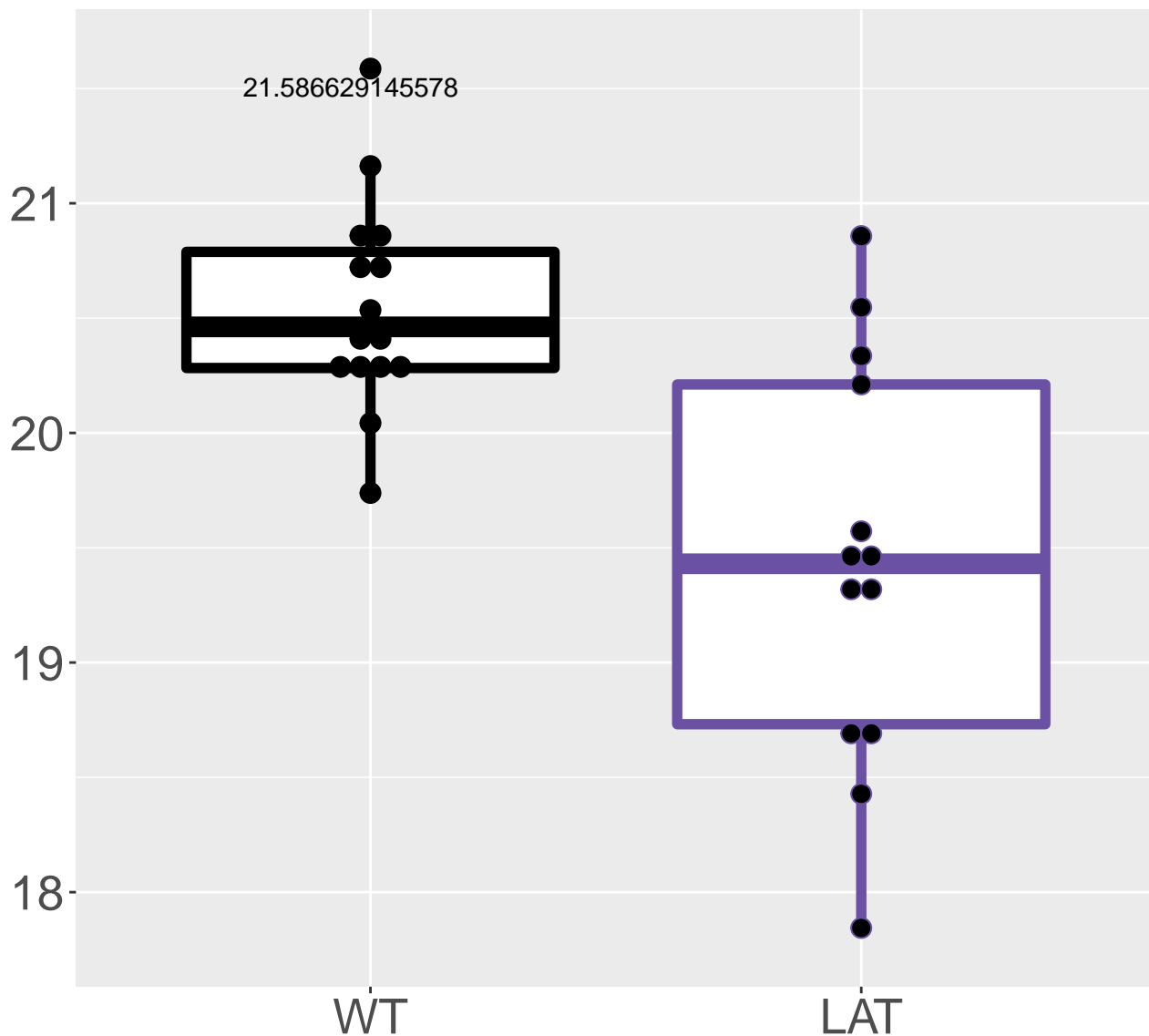




**M370.8761T161.63\_2**  
**FDR = 0.0014, FC = -5**

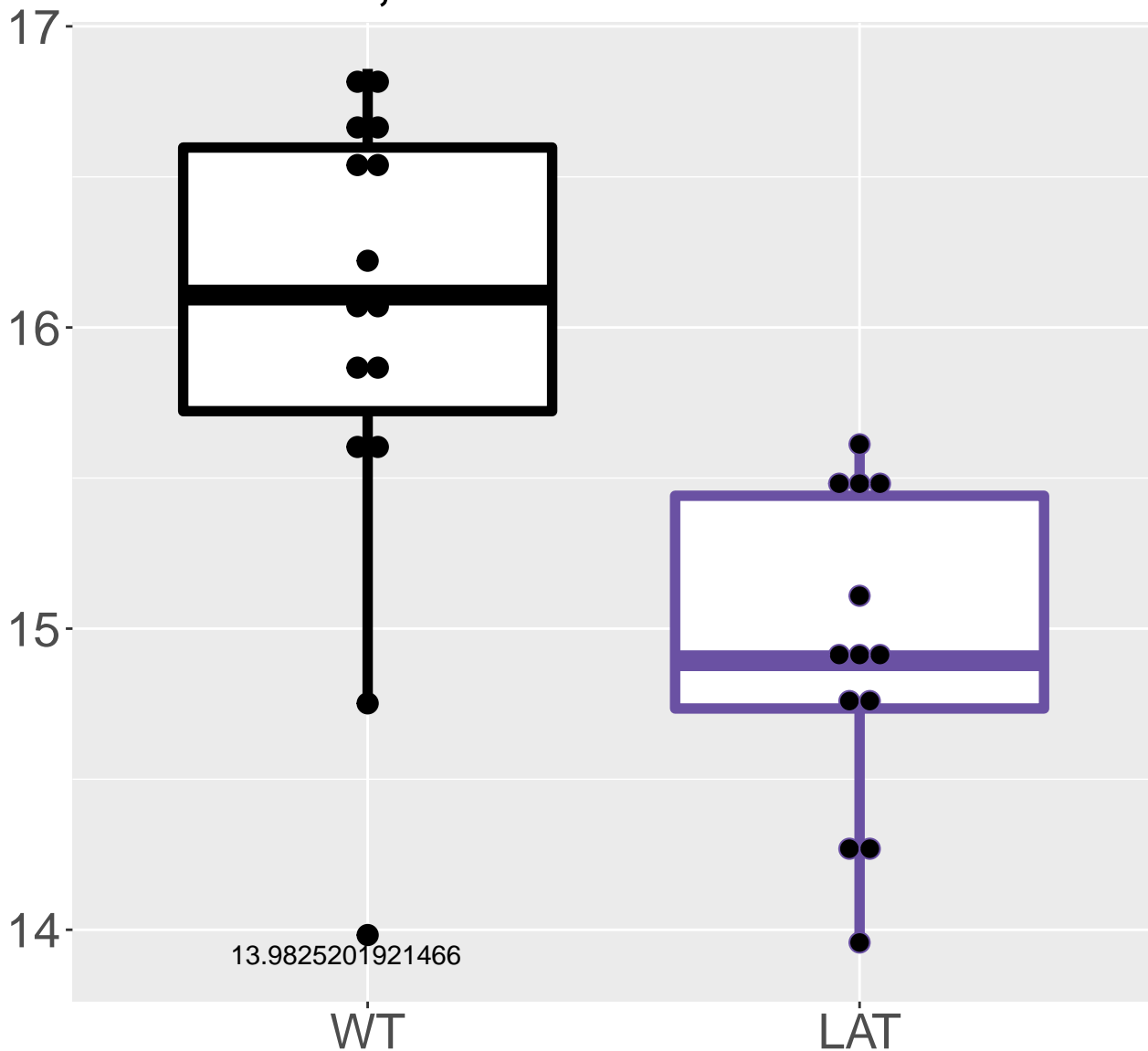


**M490.1791T48.8**  
**FDR = 0.0014, FC = -1.1**



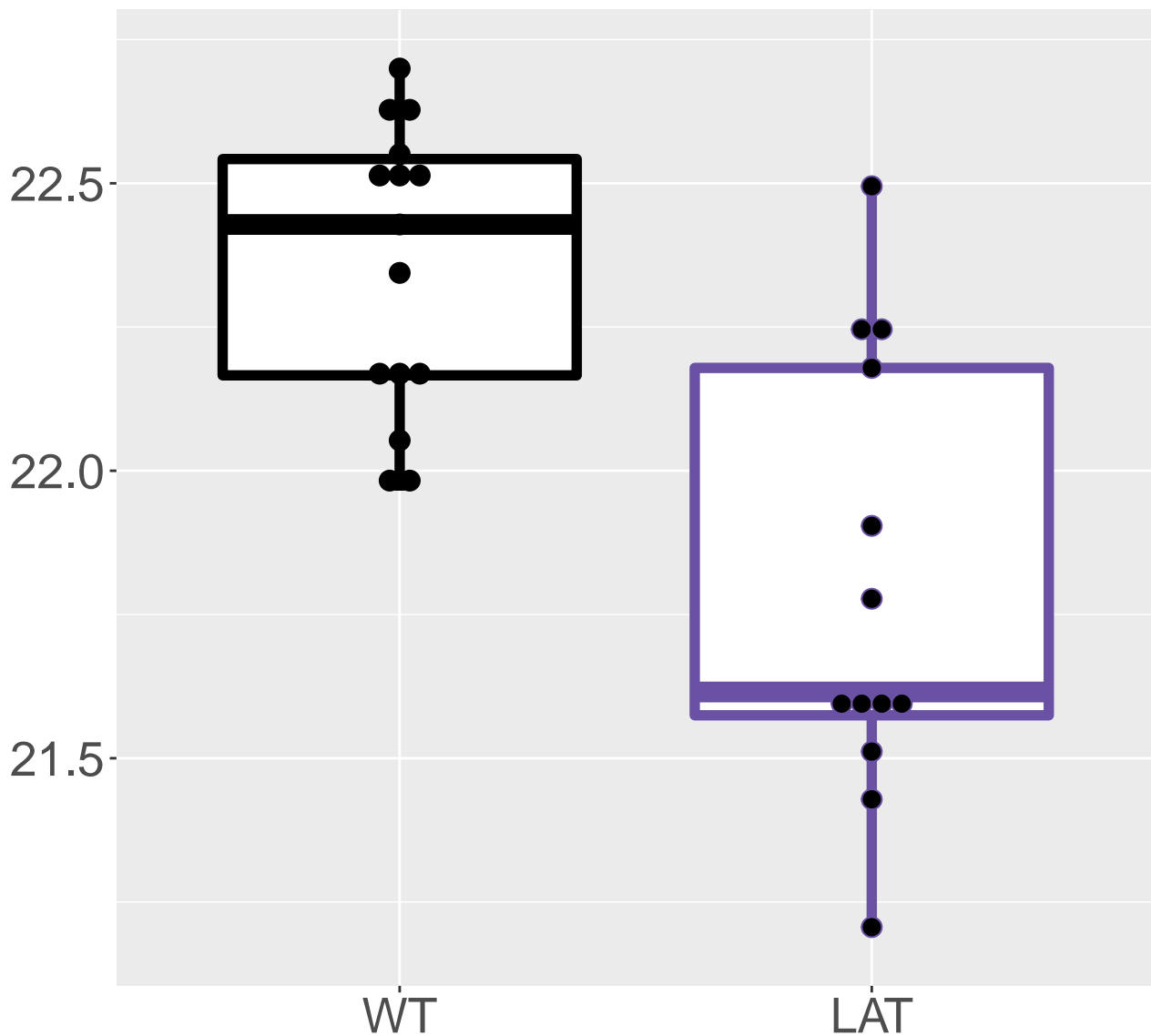
**M562.3095T330.56\_2**

**FDR = 0.0014, FC = -1.1**

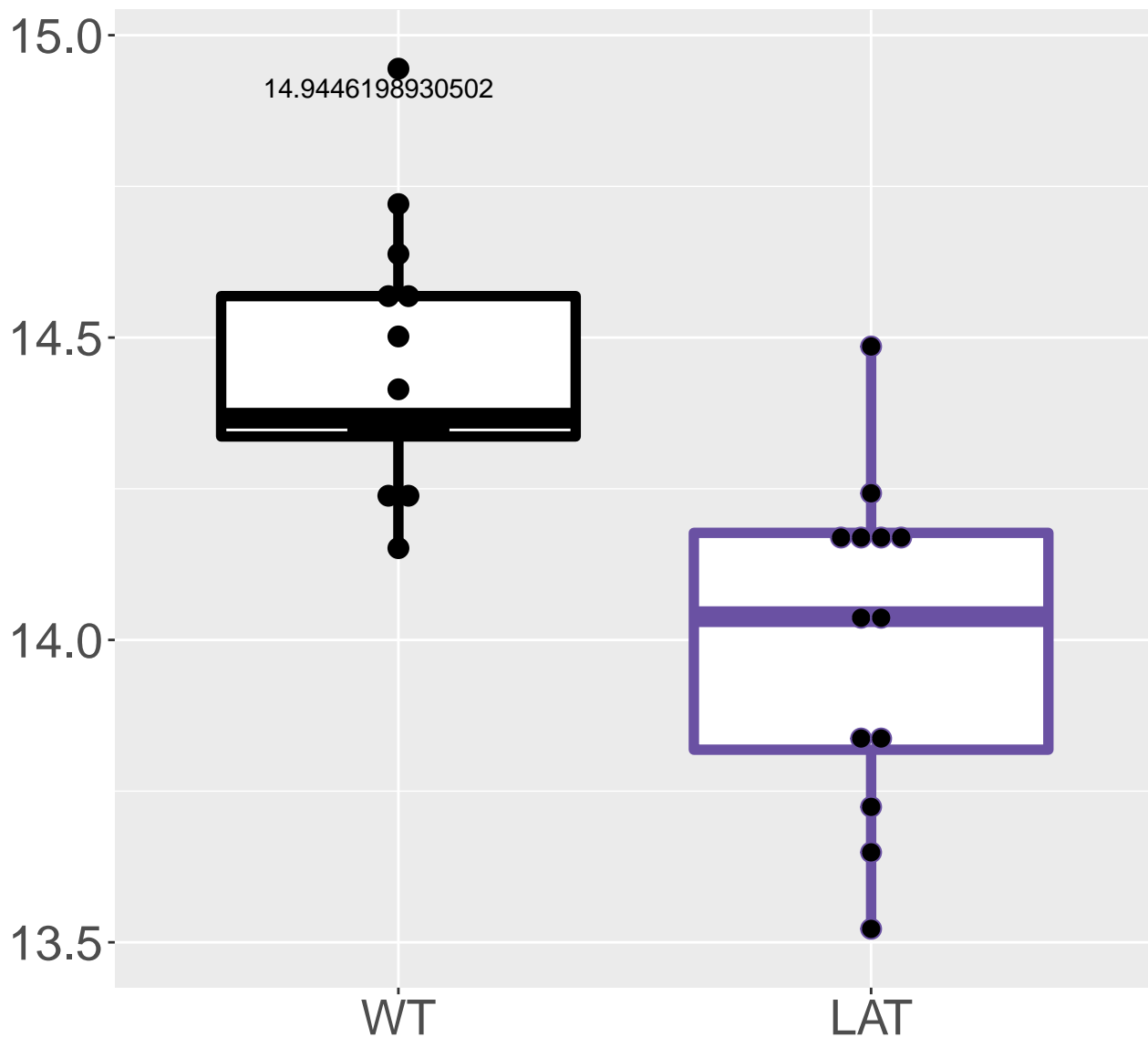


**M543.1348T47.04**

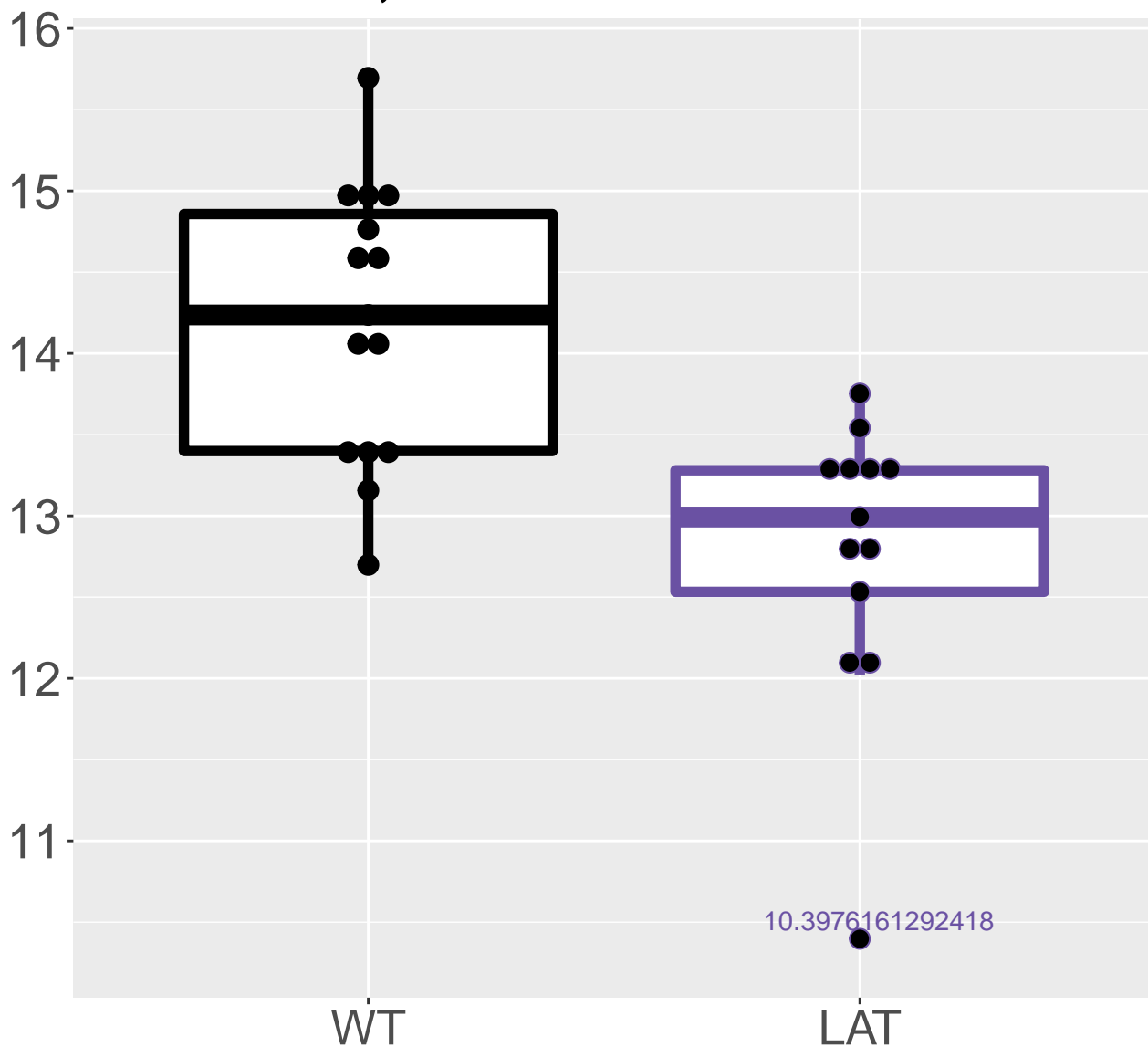
**FDR = 0.0014, FC = -0.56**



**M208.0549T43.59\_2**  
**FDR = 0.0014, FC = -0.44**

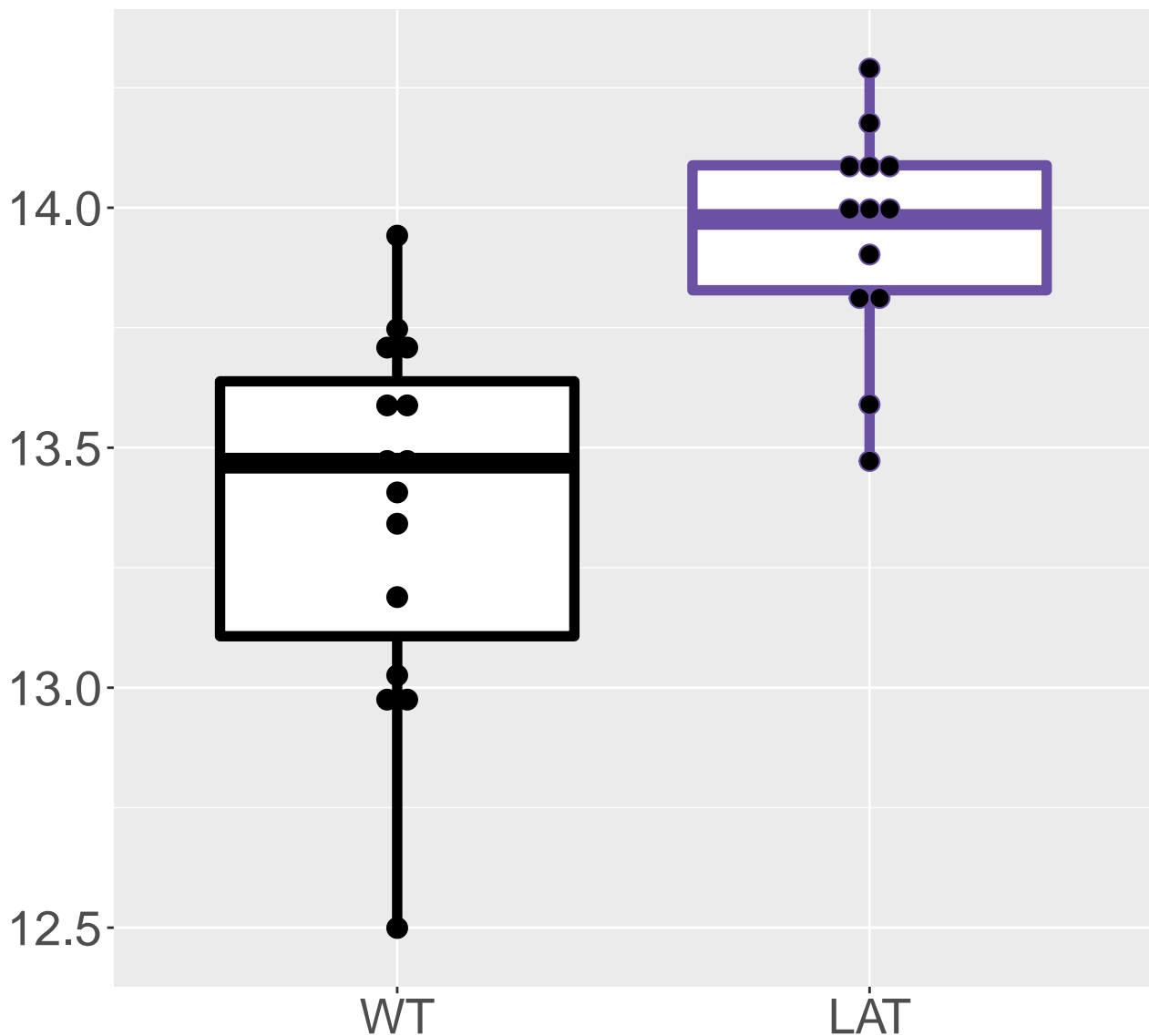


**M559.2941T277.13\_3**  
**FDR = 0.0014, FC = -1.4**



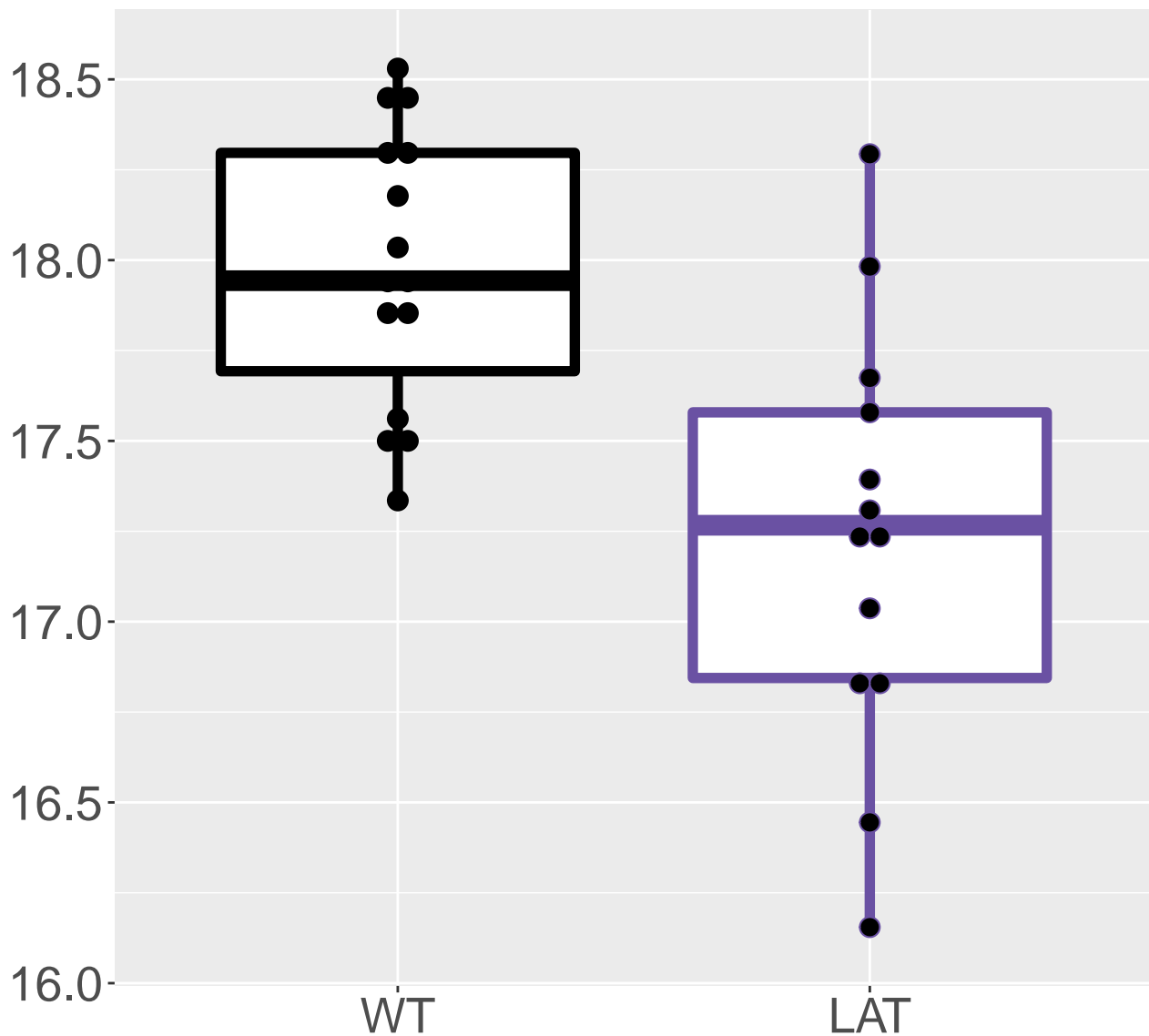
**M352.8874T246.74\_1**

**FDR = 0.0015, FC = 0.57**



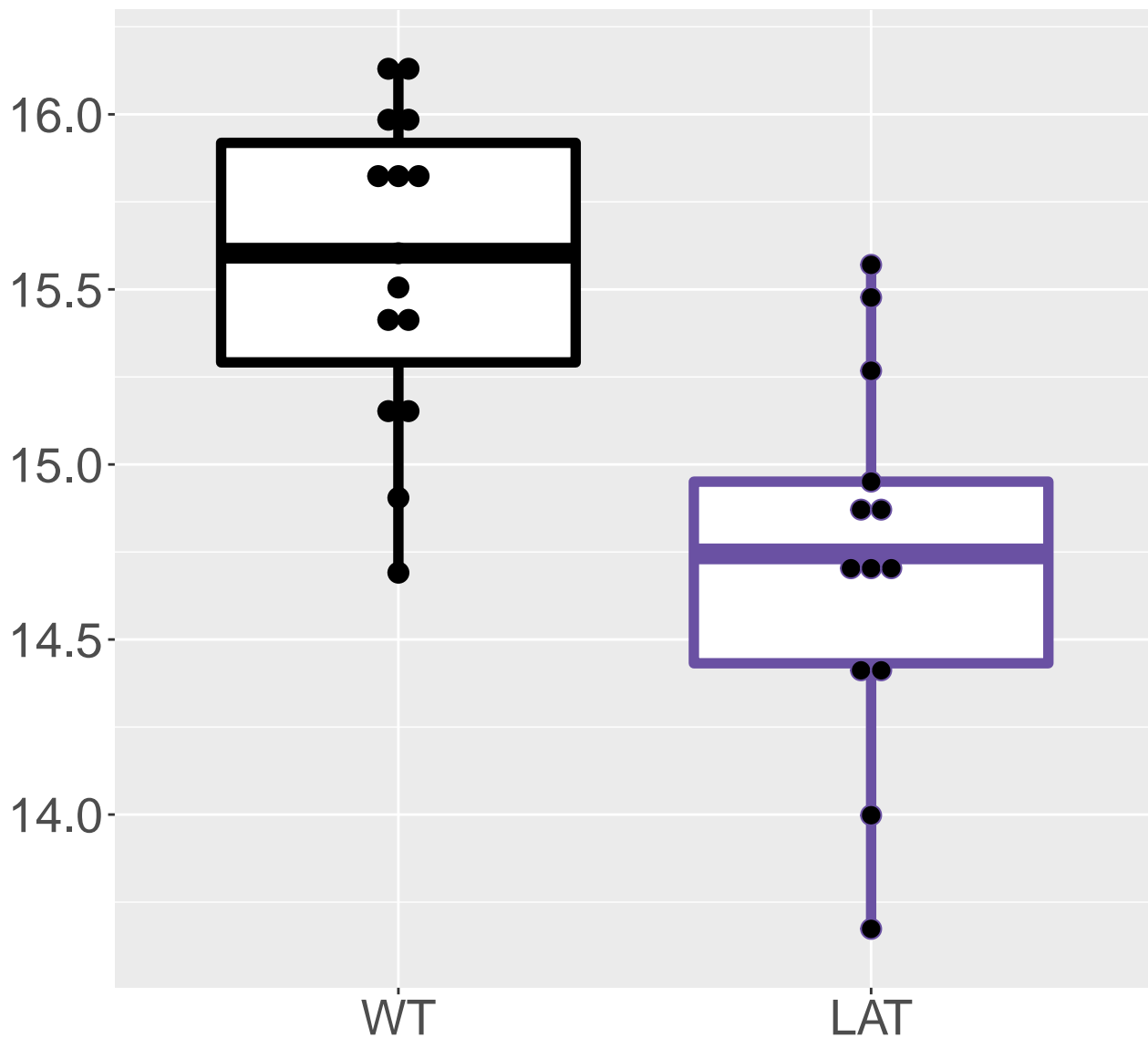
**M707.2246T48.27**

**FDR = 0.0015, FC = -0.75**



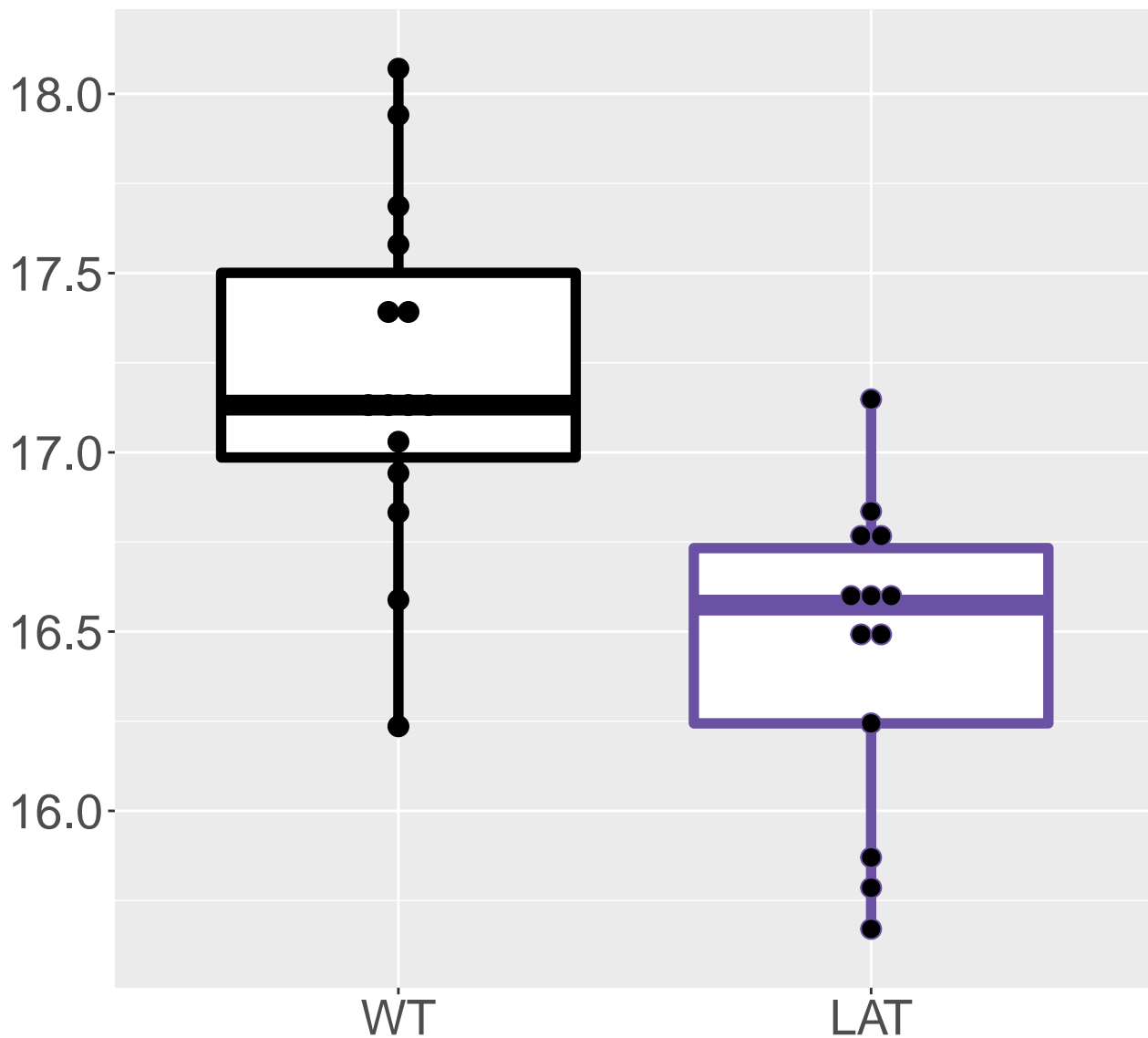


**M172.5083T113.1\_1**  
**FDR = 0.0015, FC = -0.83**



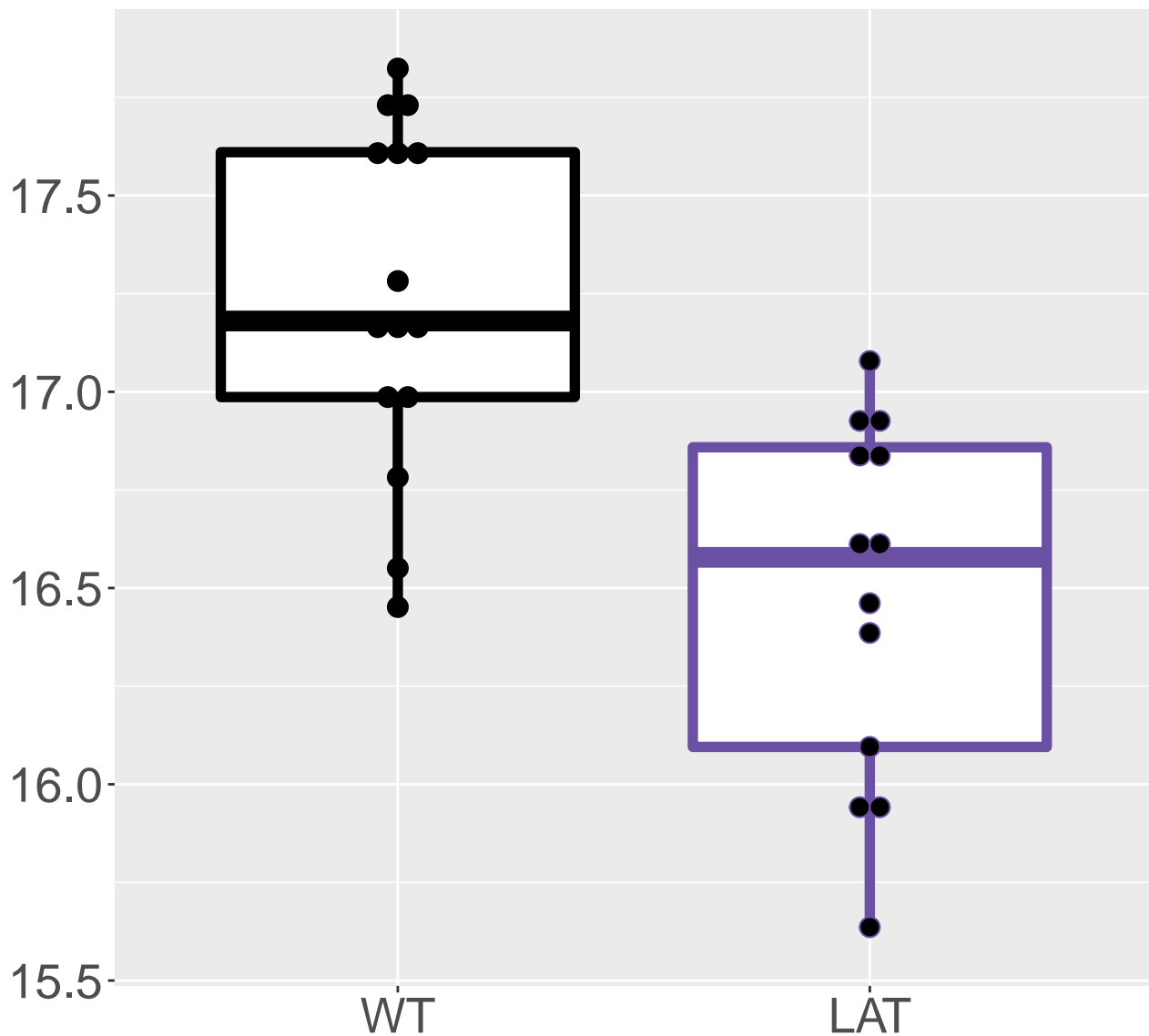
**M131.0689T75.48\_30**

**FDR = 0.0015, FC = -0.76**

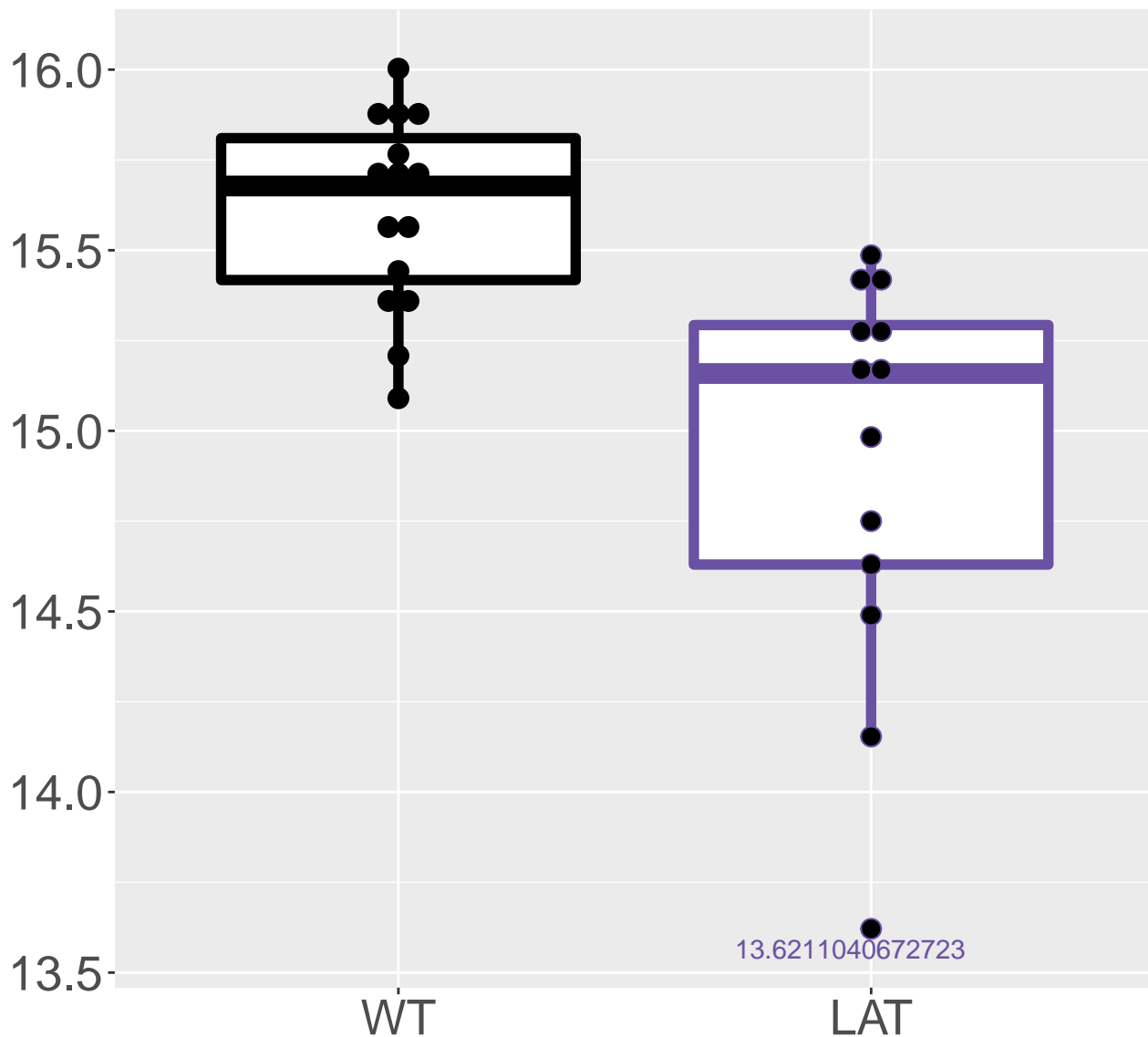


**M130.4474T75.38\_53**

**FDR = 0.0015, FC = -0.76**

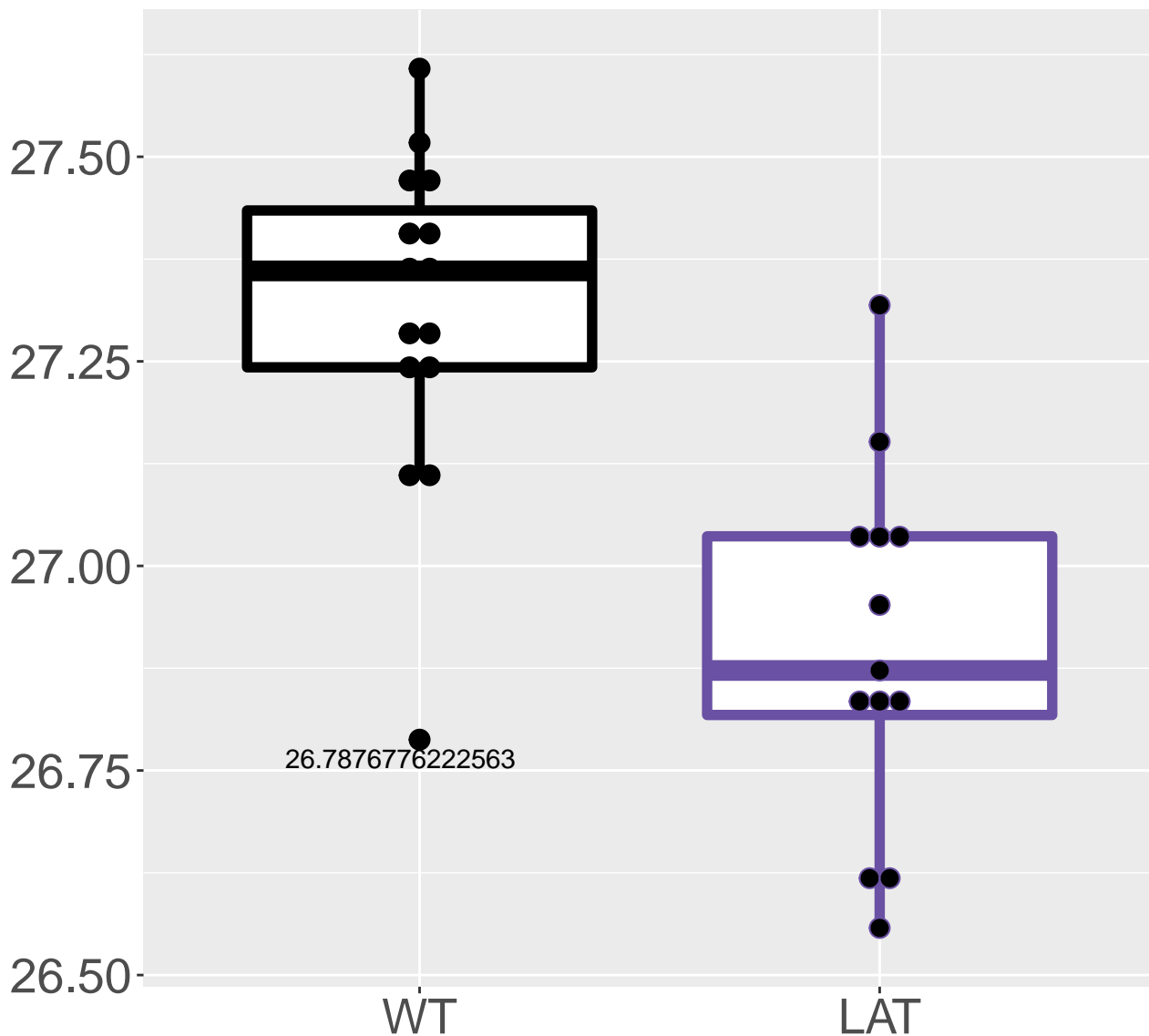


**M157.9073T113.1\_13**  
**FDR = 0.0015, FC = -0.7**



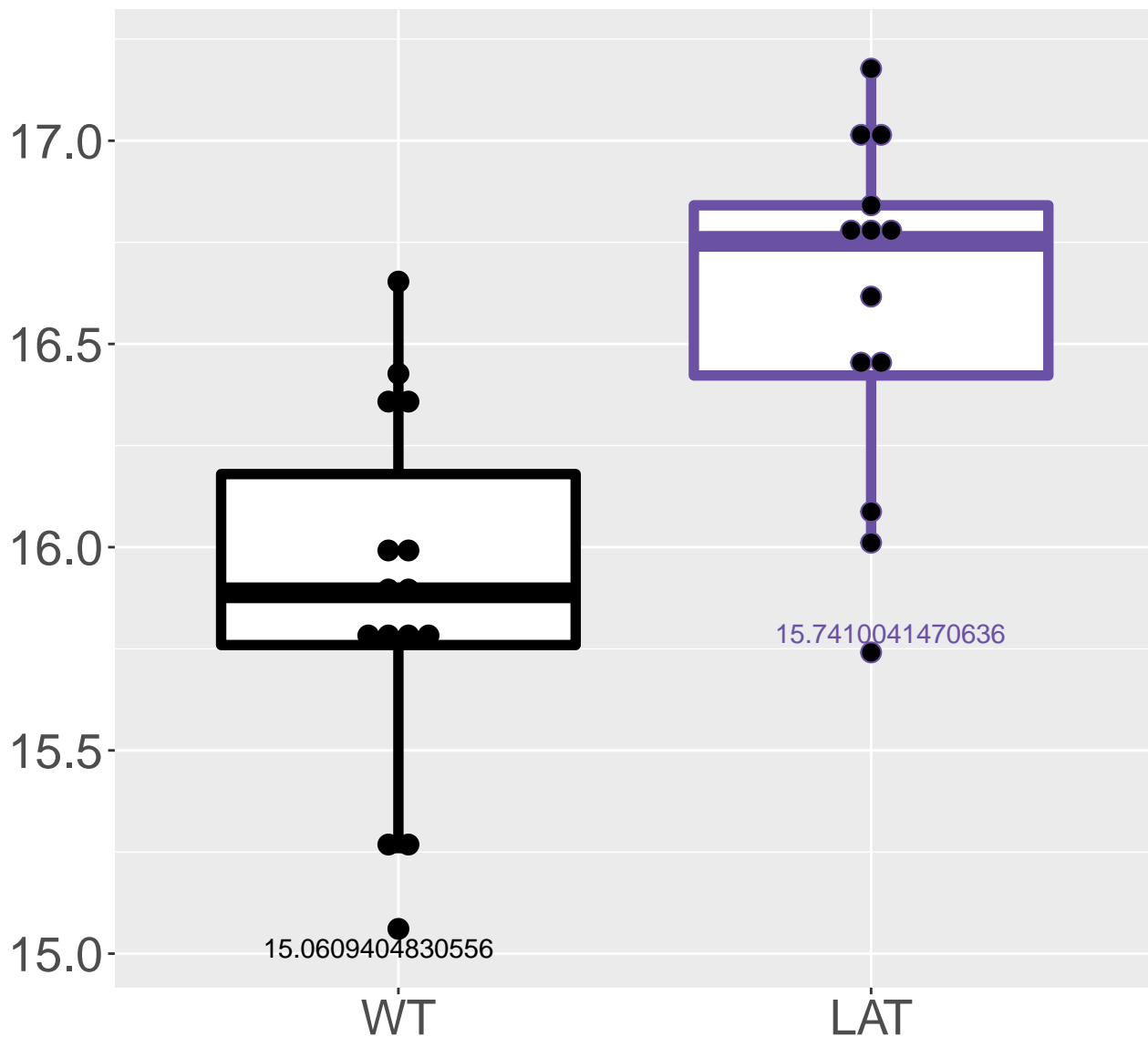
# L-Tyrosine;Tyrosine|o-Tyrosine

FDR = 0.0015, FC = -0.41



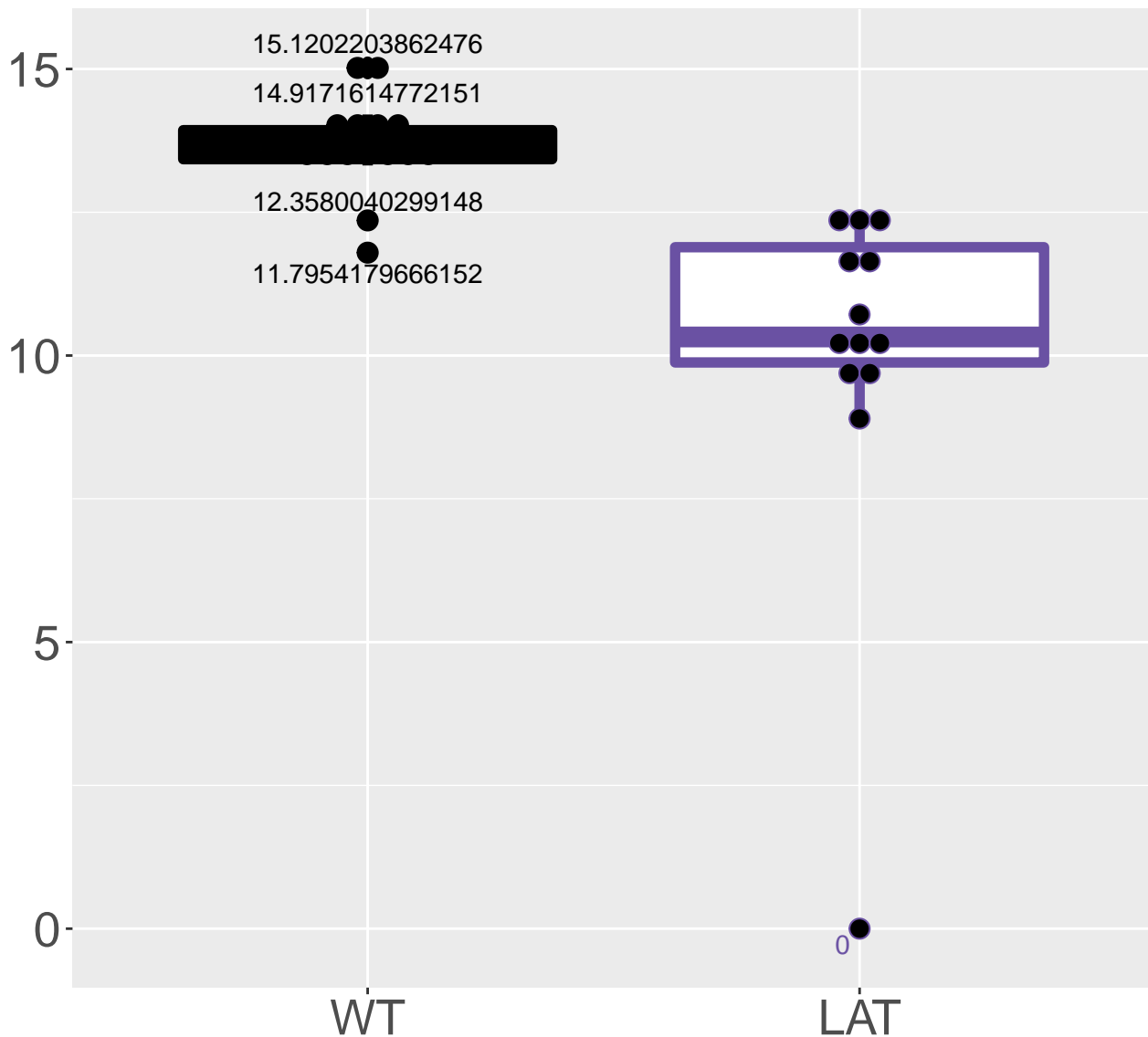
**M366.0247T46.09**

**FDR = 0.0015, FC = 0.71**

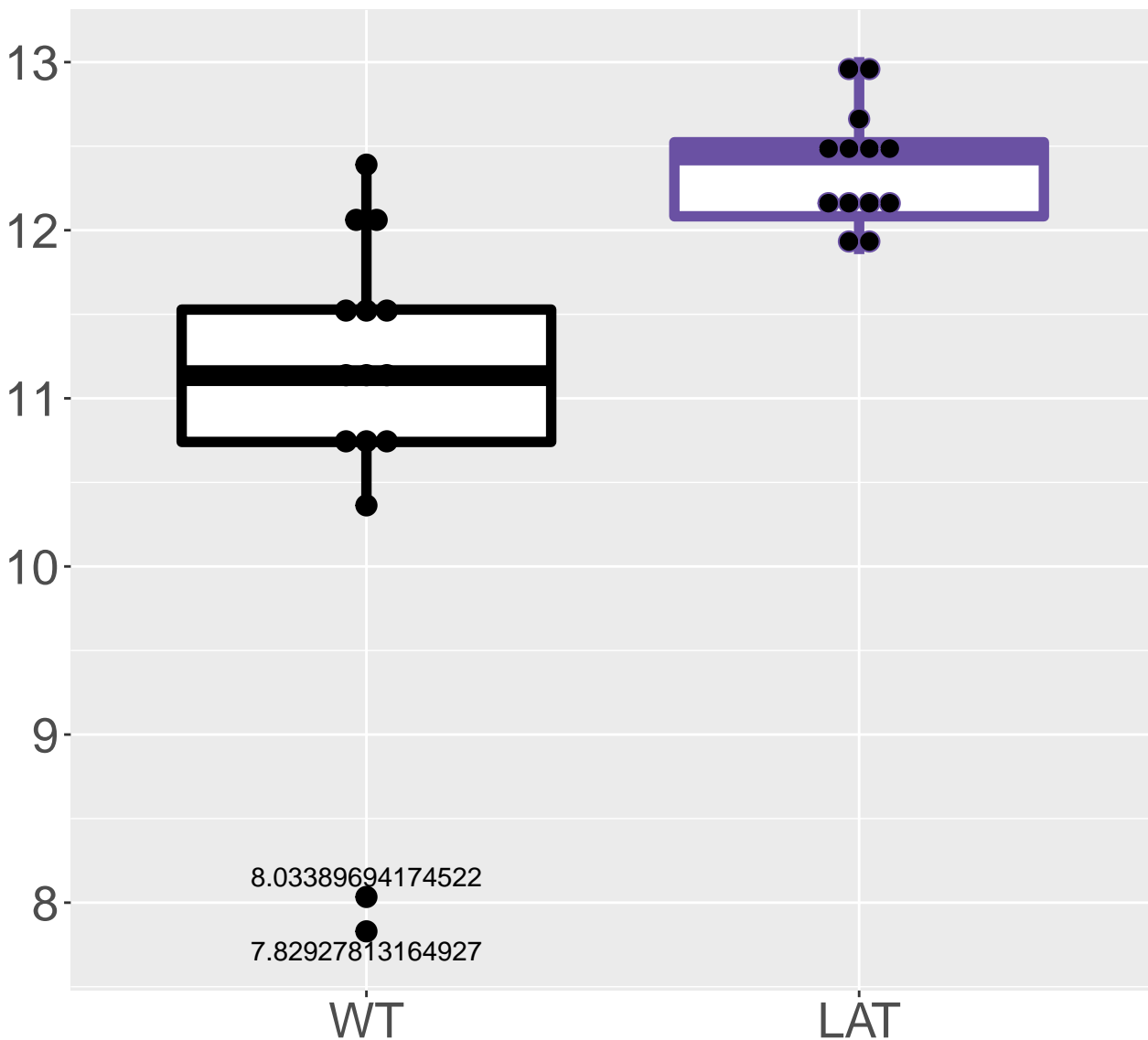


# M450.9448T310

FDR = 0.0015, FC = -3.6



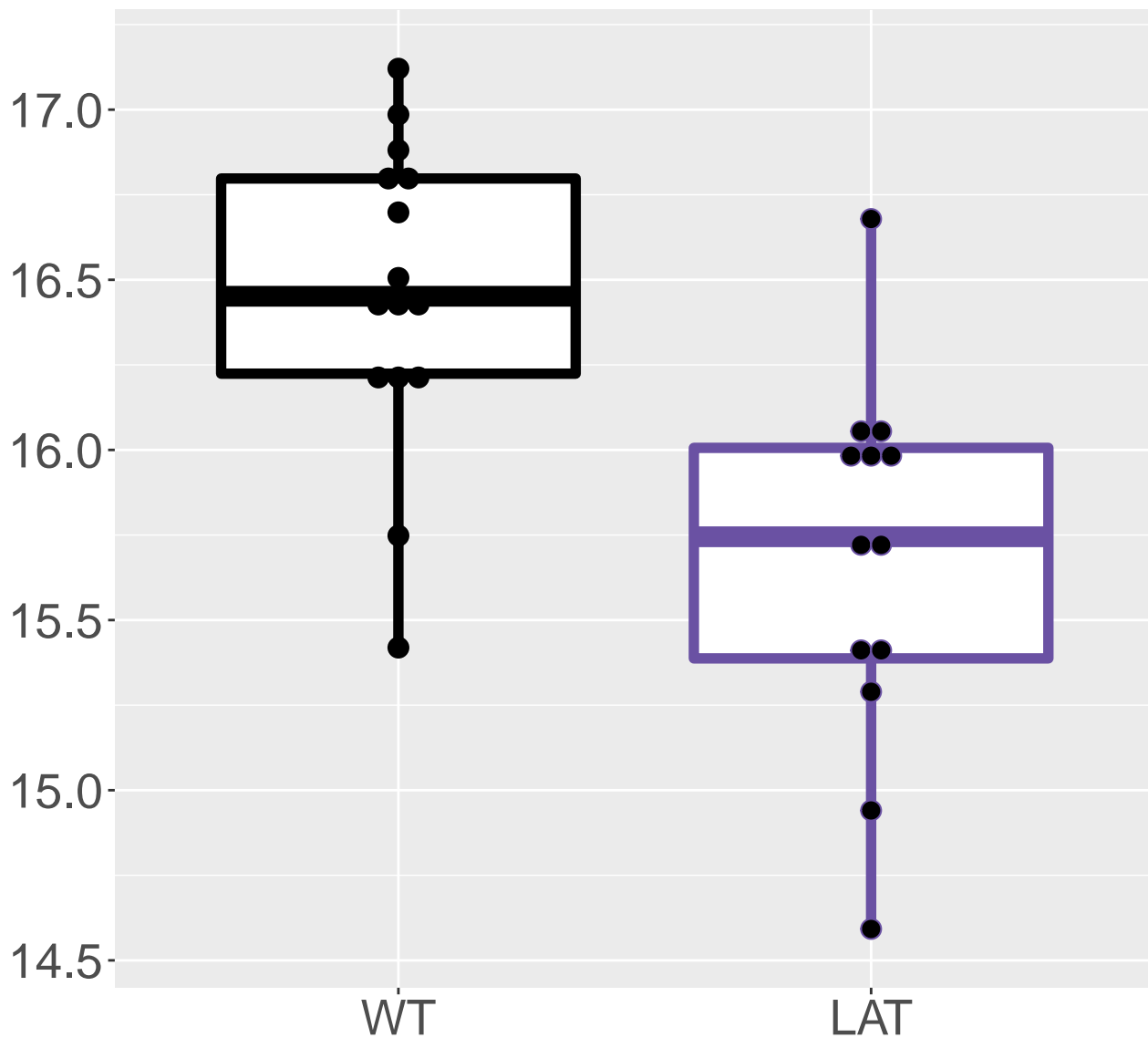
**FDR = 0.0015, FC = 1.5**





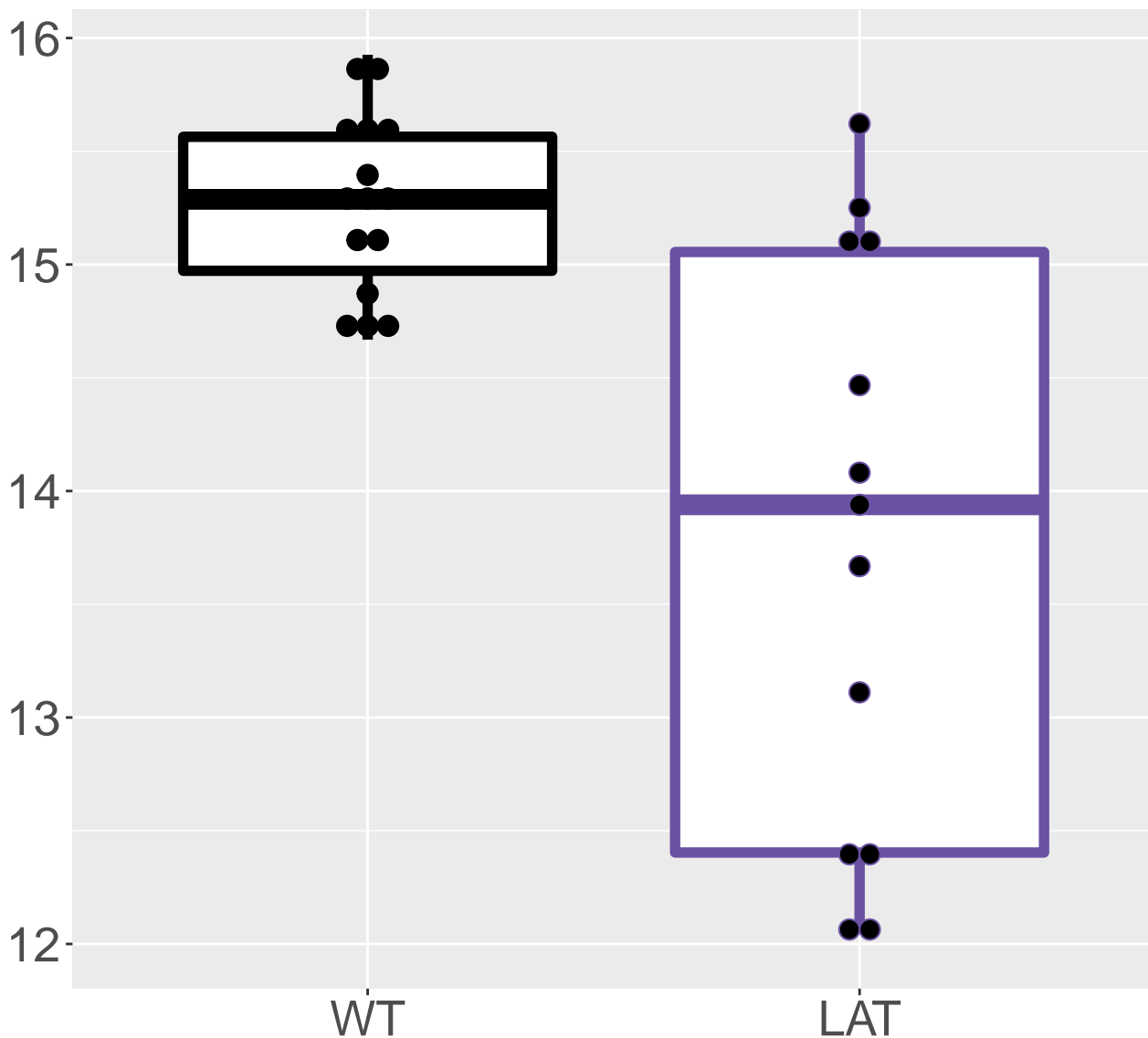
**M126.7318T75.5\_5**

**FDR = 0.0015, FC = -0.78**



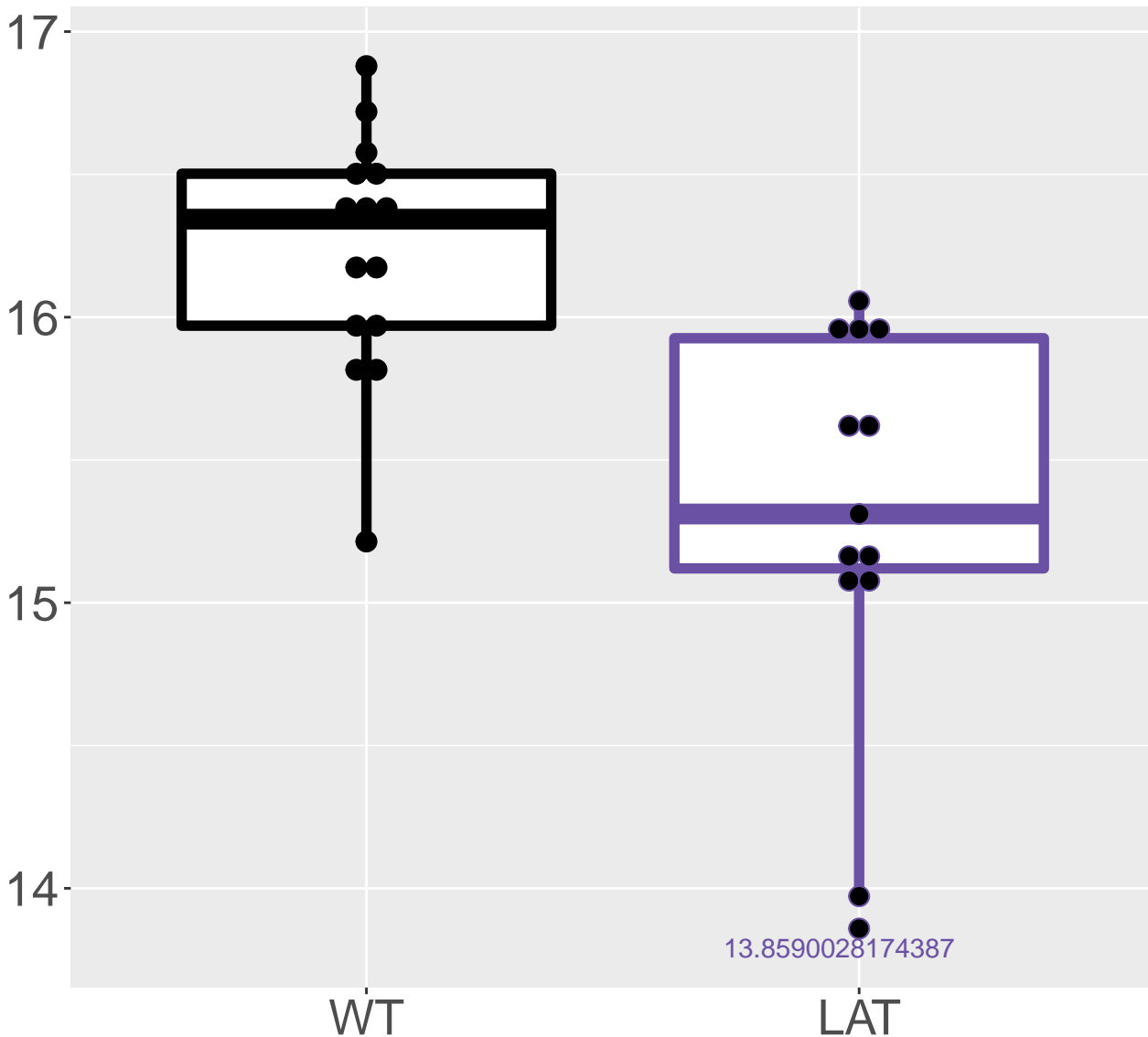
**M435.7665T270.62**

**FDR = 0.0016, FC = -1.5**

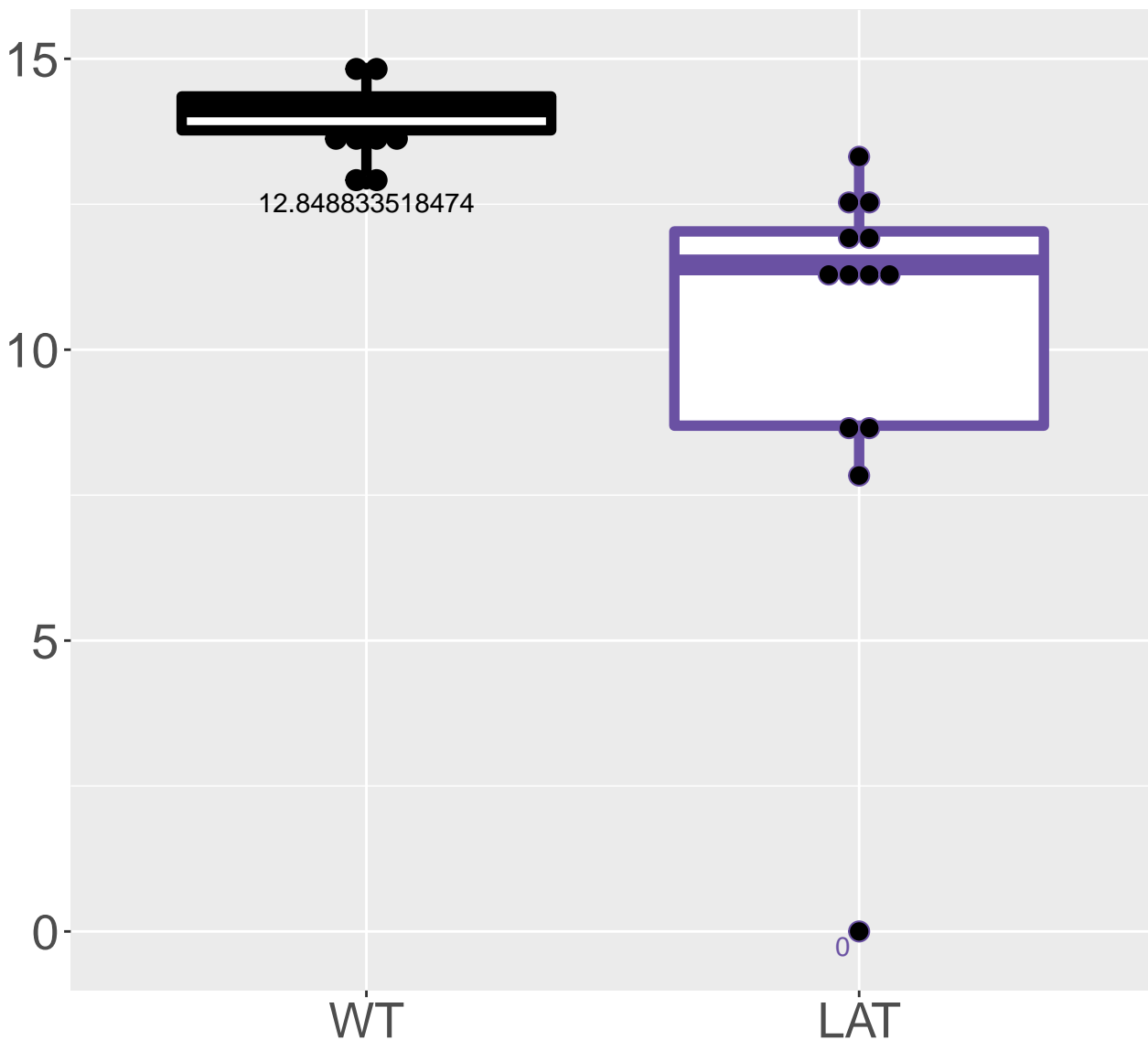


**M169.3925T113.22\_44**

**FDR = 0.0016, FC = -0.94**

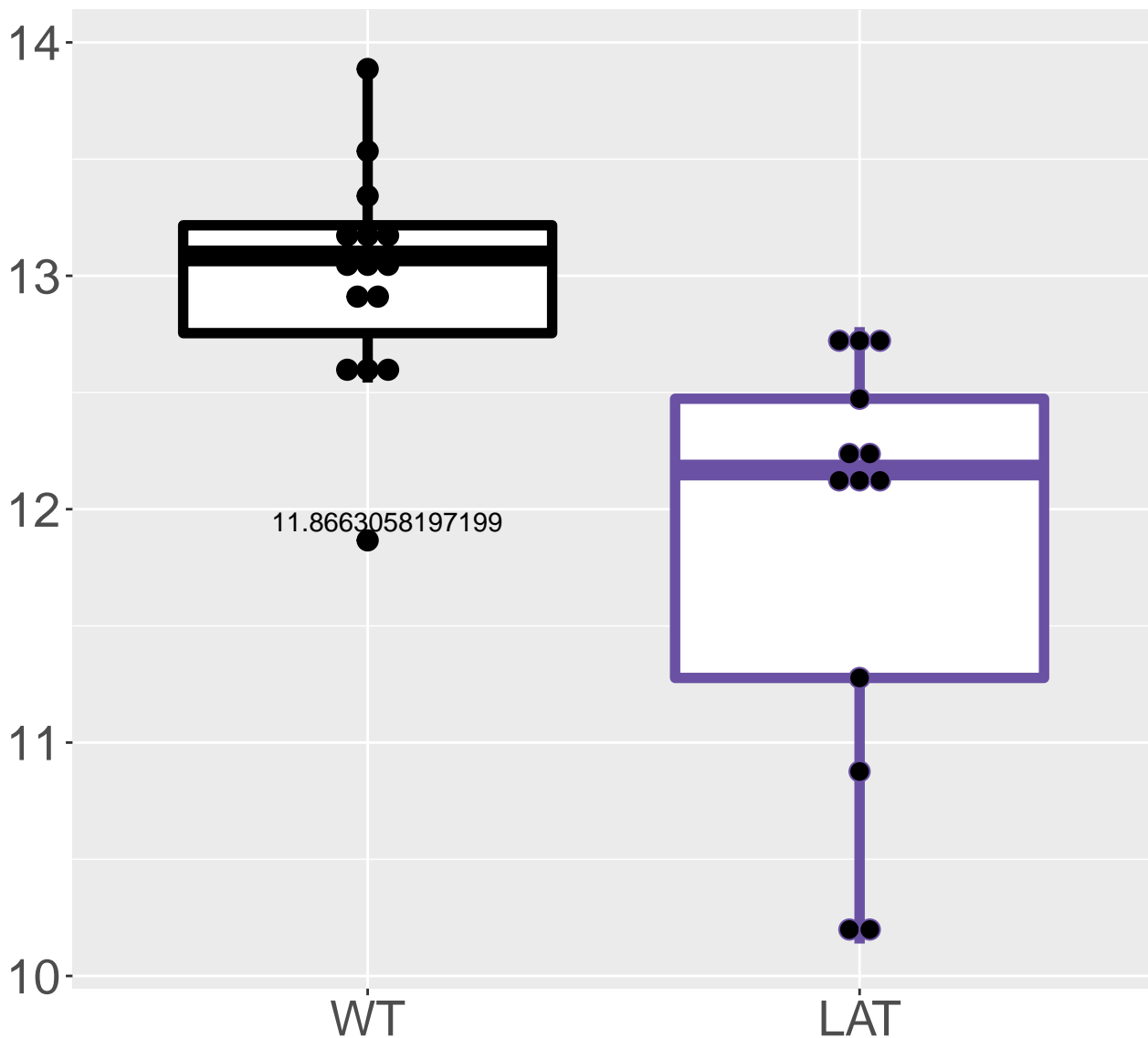


**FDR = 0.0016, FC = -3.8**



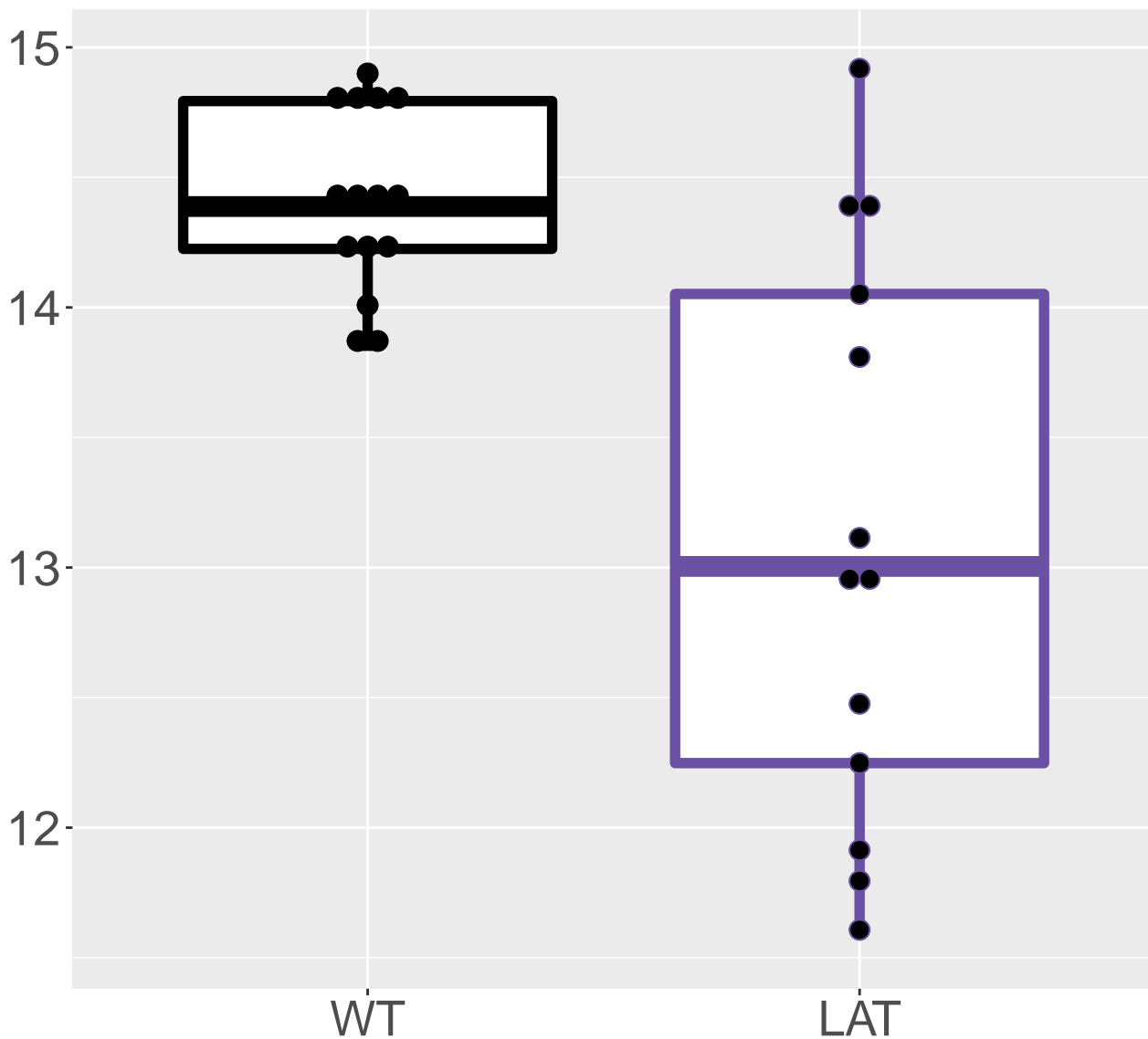
**M432.4081T273.38**

**FDR = 0.0016, FC = -1.2**

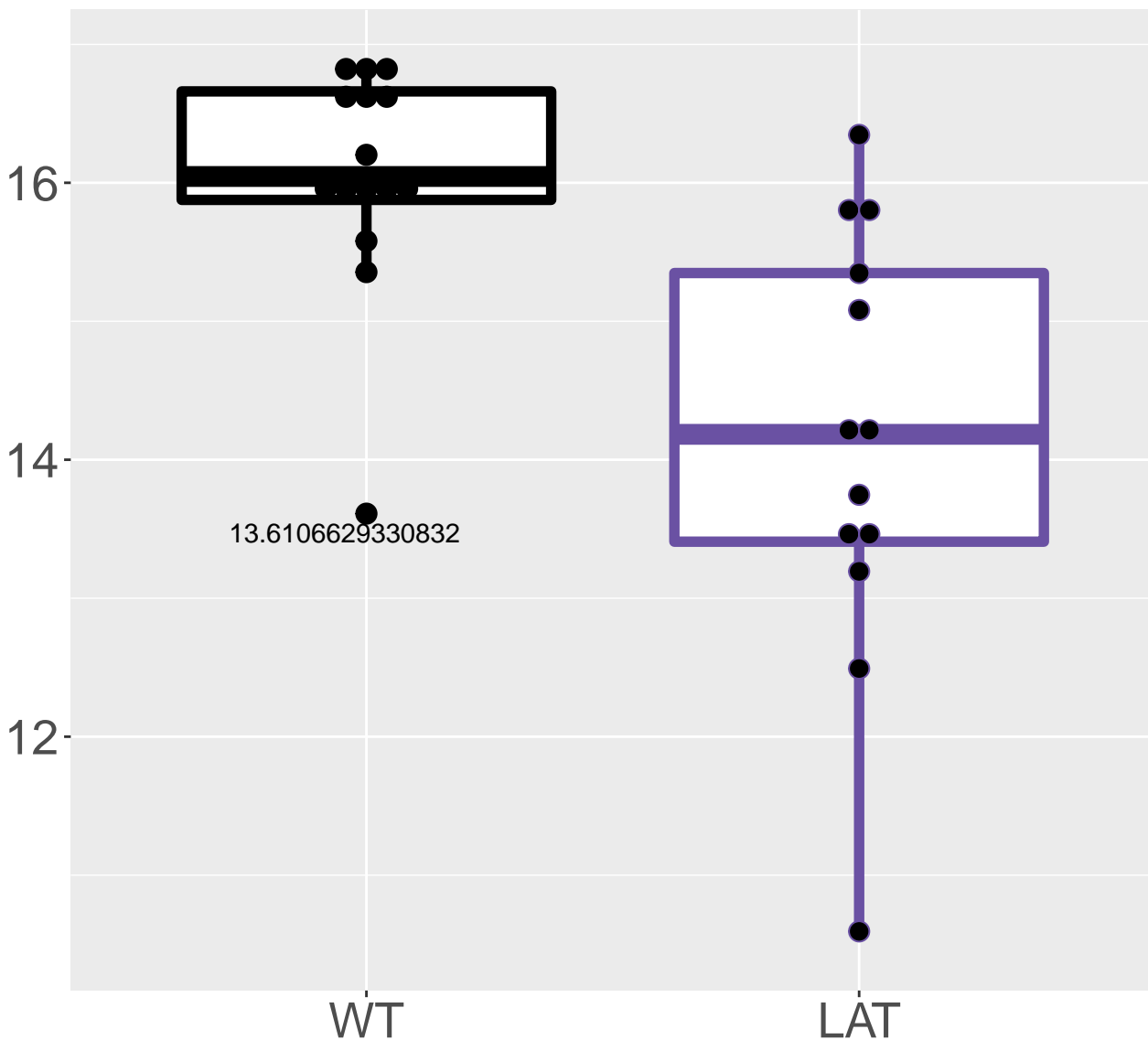


**M484.7592T211.58**

**FDR = 0.0016, FC = -1.3**

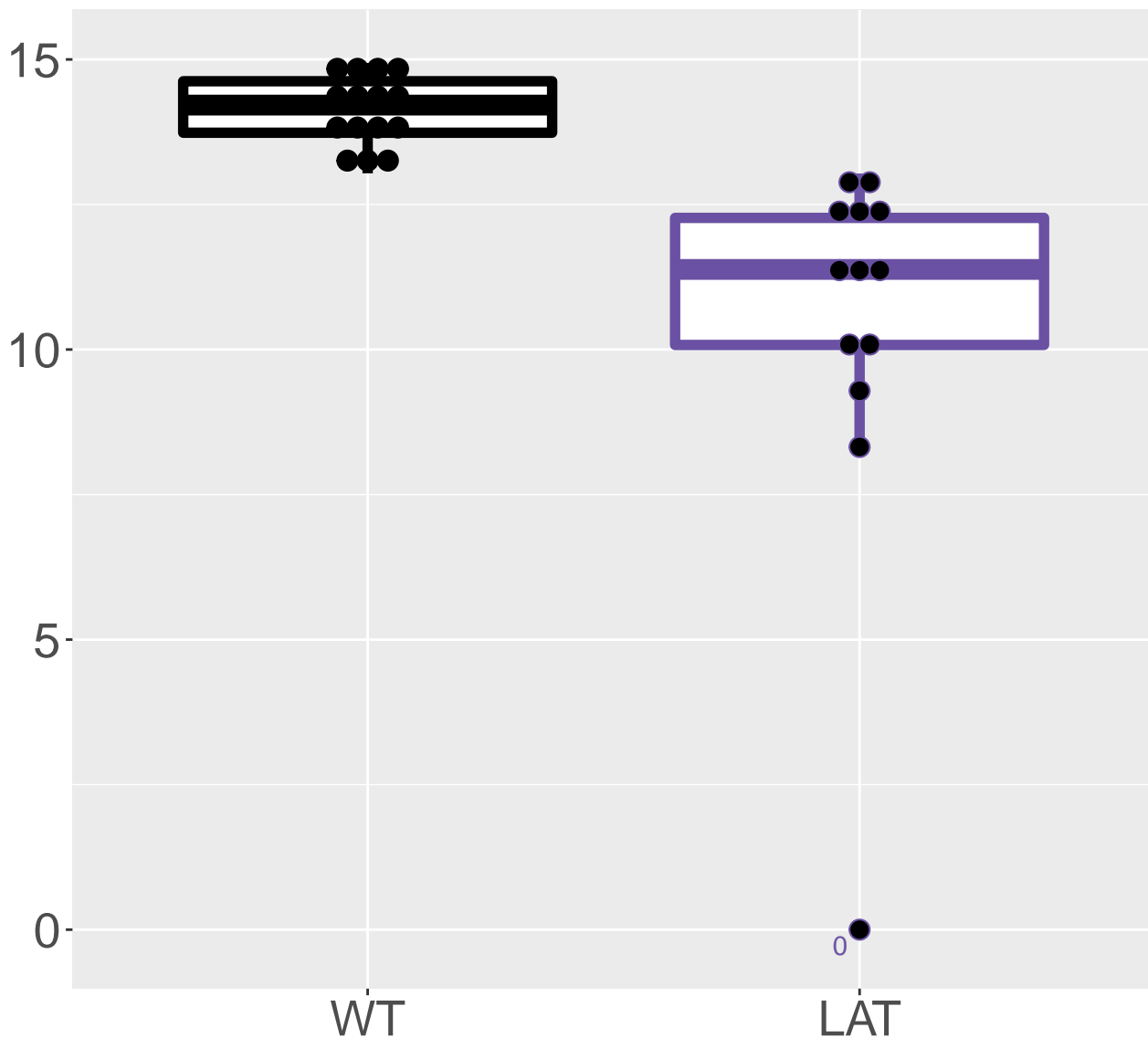


**M490.1931T113**  
**FDR = 0.0016, FC = -1.9**



**M604.6683T327.61**

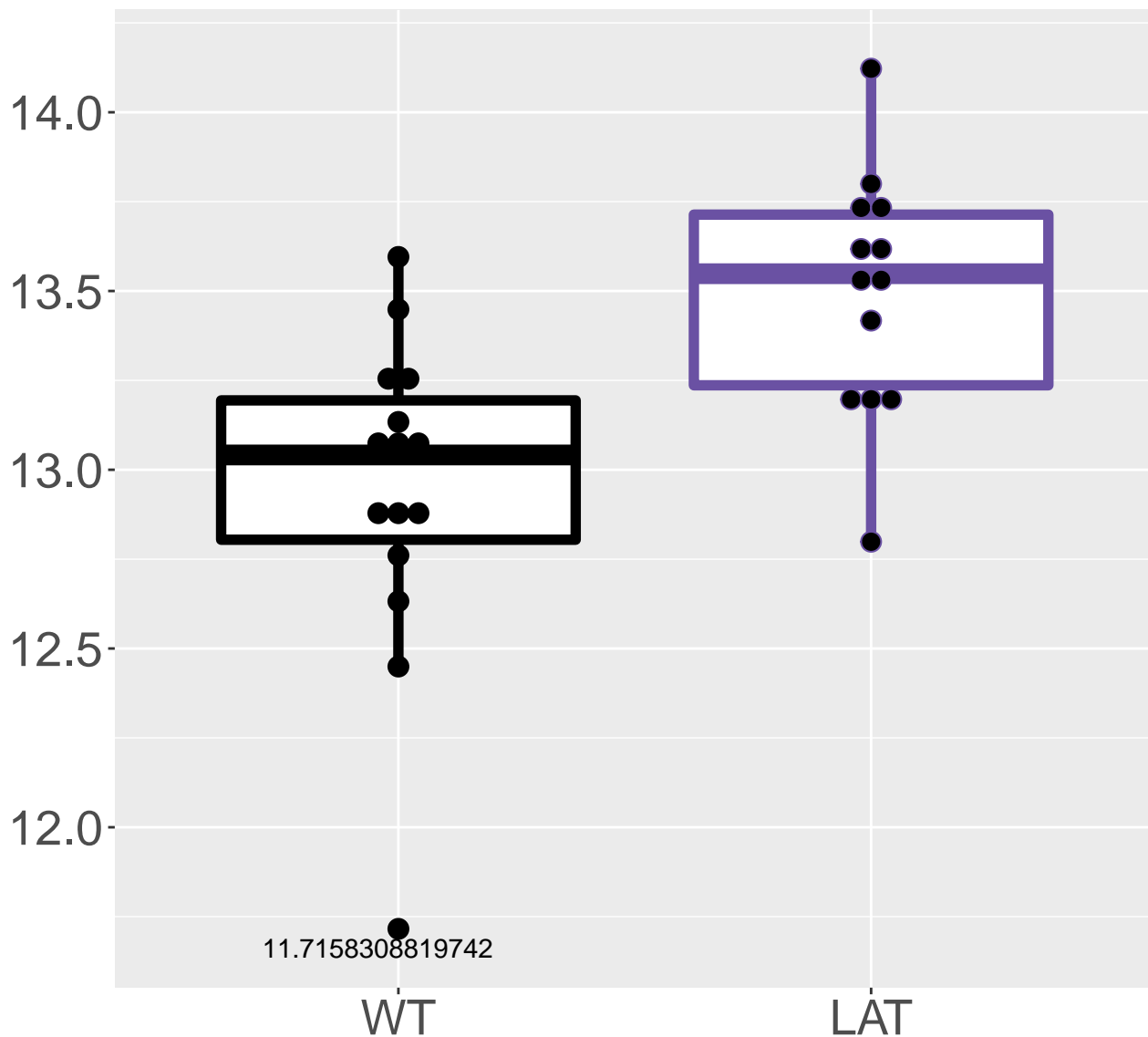
**FDR = 0.0016, FC = -3.8**





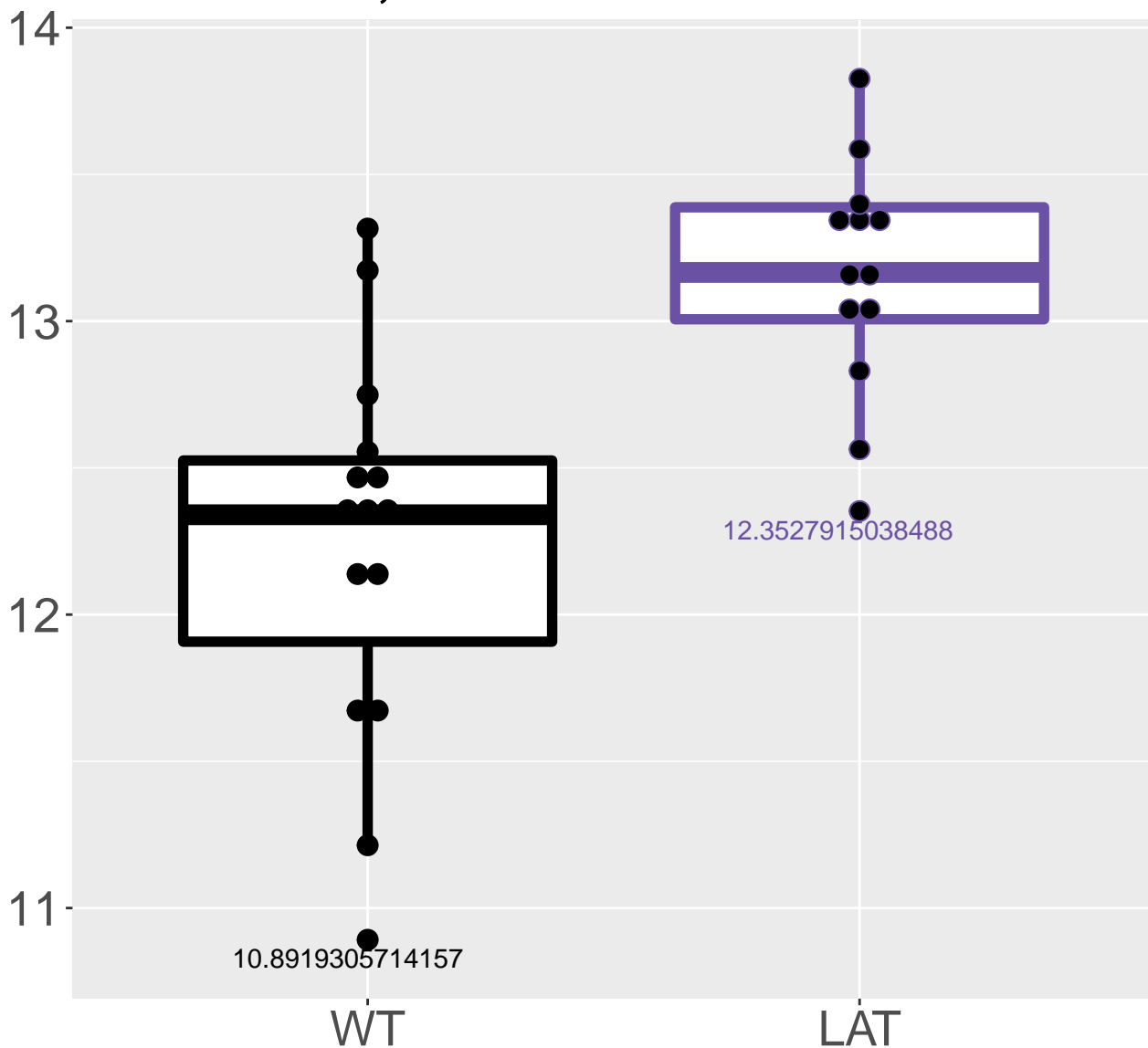
**M525.6105T284.51\_1**

**FDR = 0.0016, FC = 0.56, sex\***

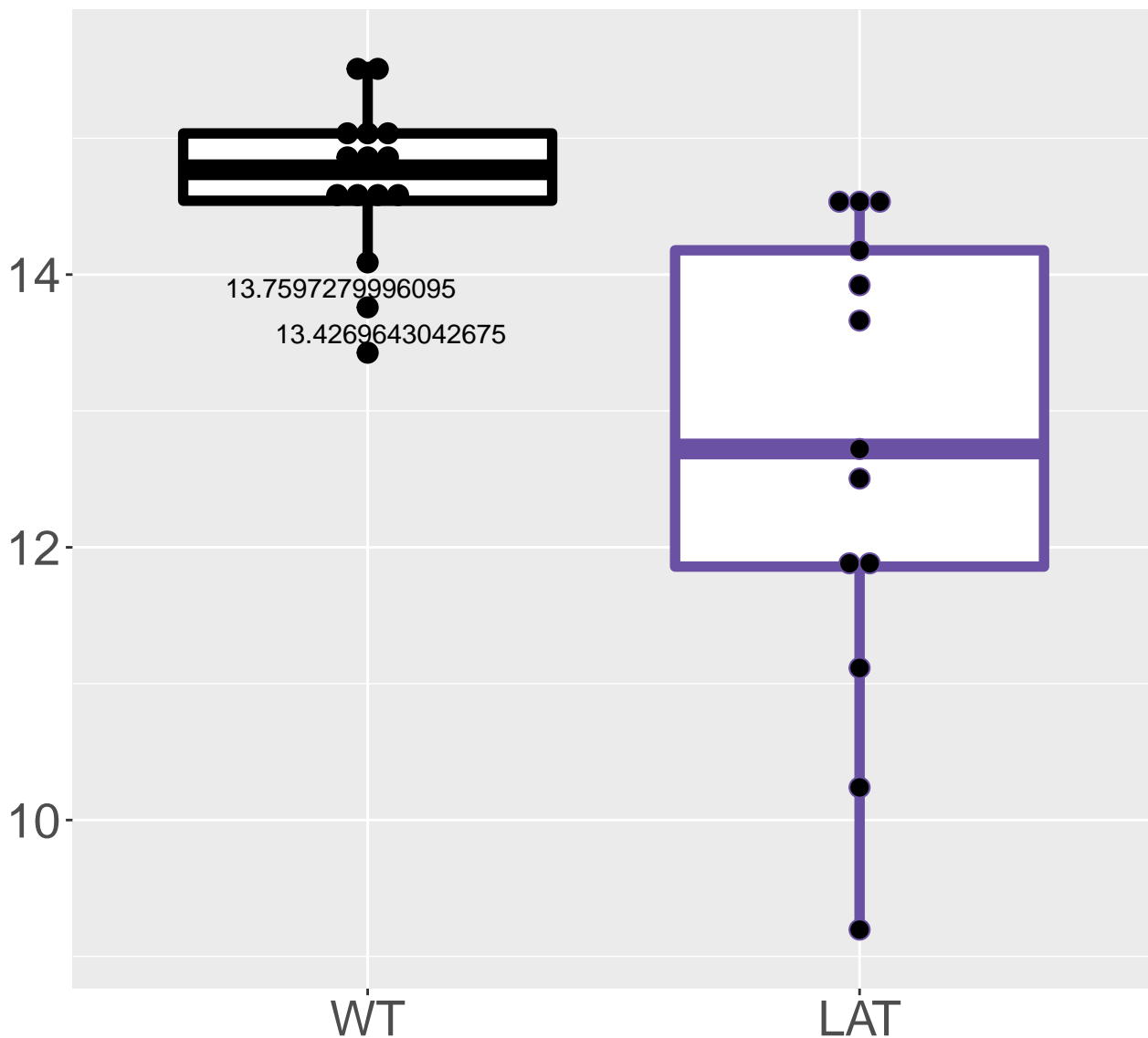


**M499.4968T241.43**

**FDR = 0.0016, FC = 0.92**

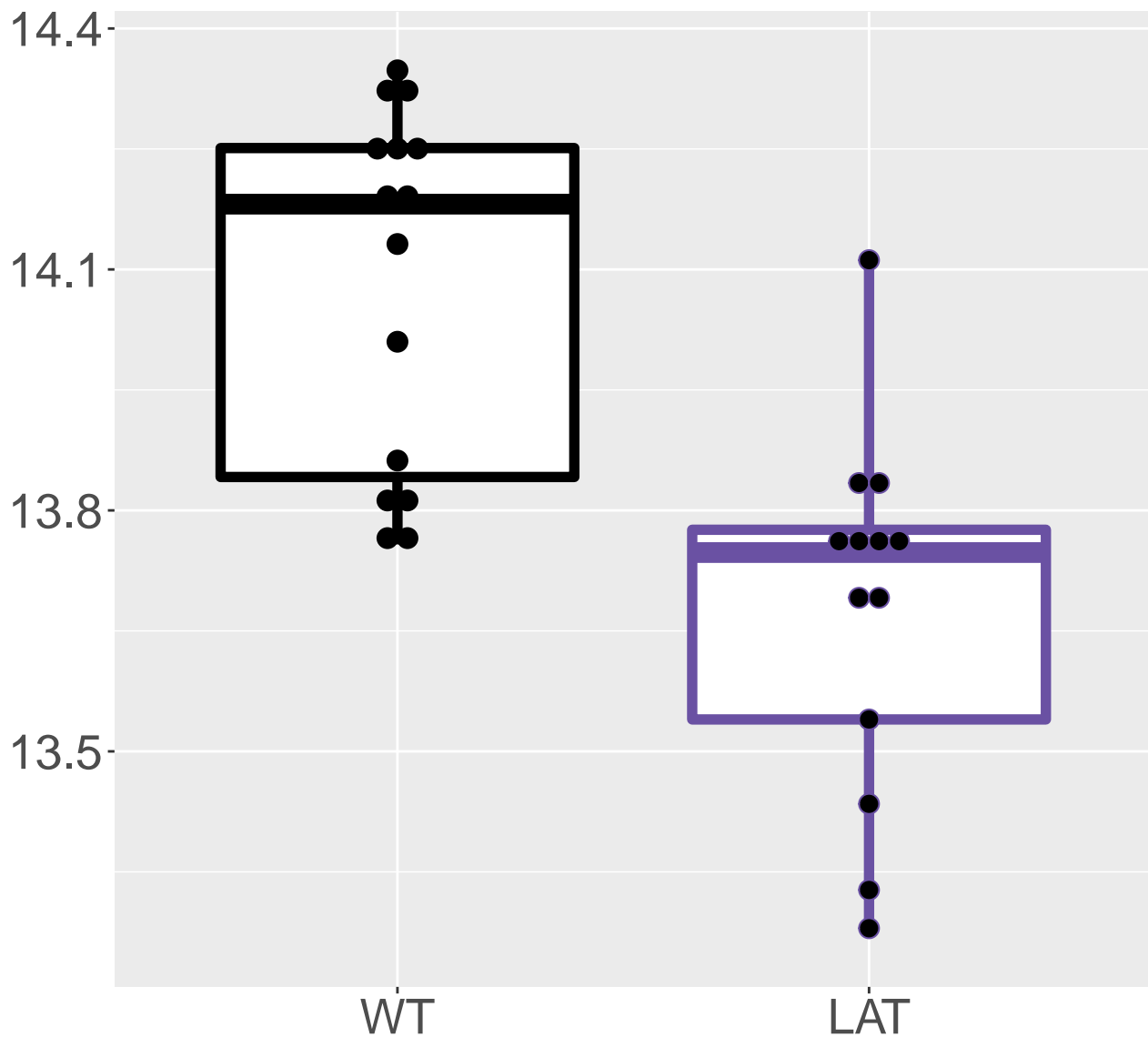


**M394.2419T321.5**  
**FDR = 0.0016, FC = -2**



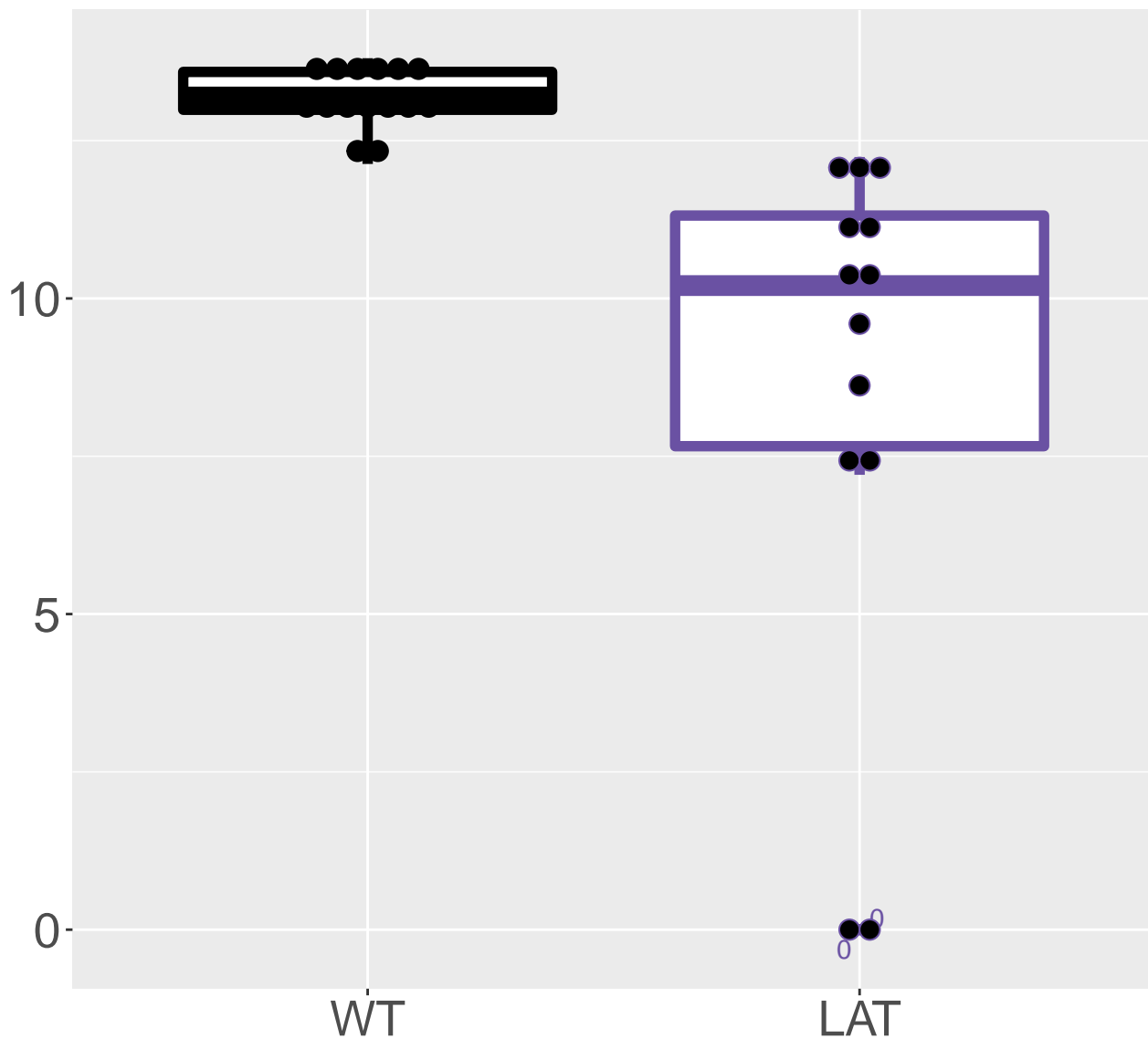
**M736.3687T311.2\_4**

**FDR = 0.0016, FC = -0.41**

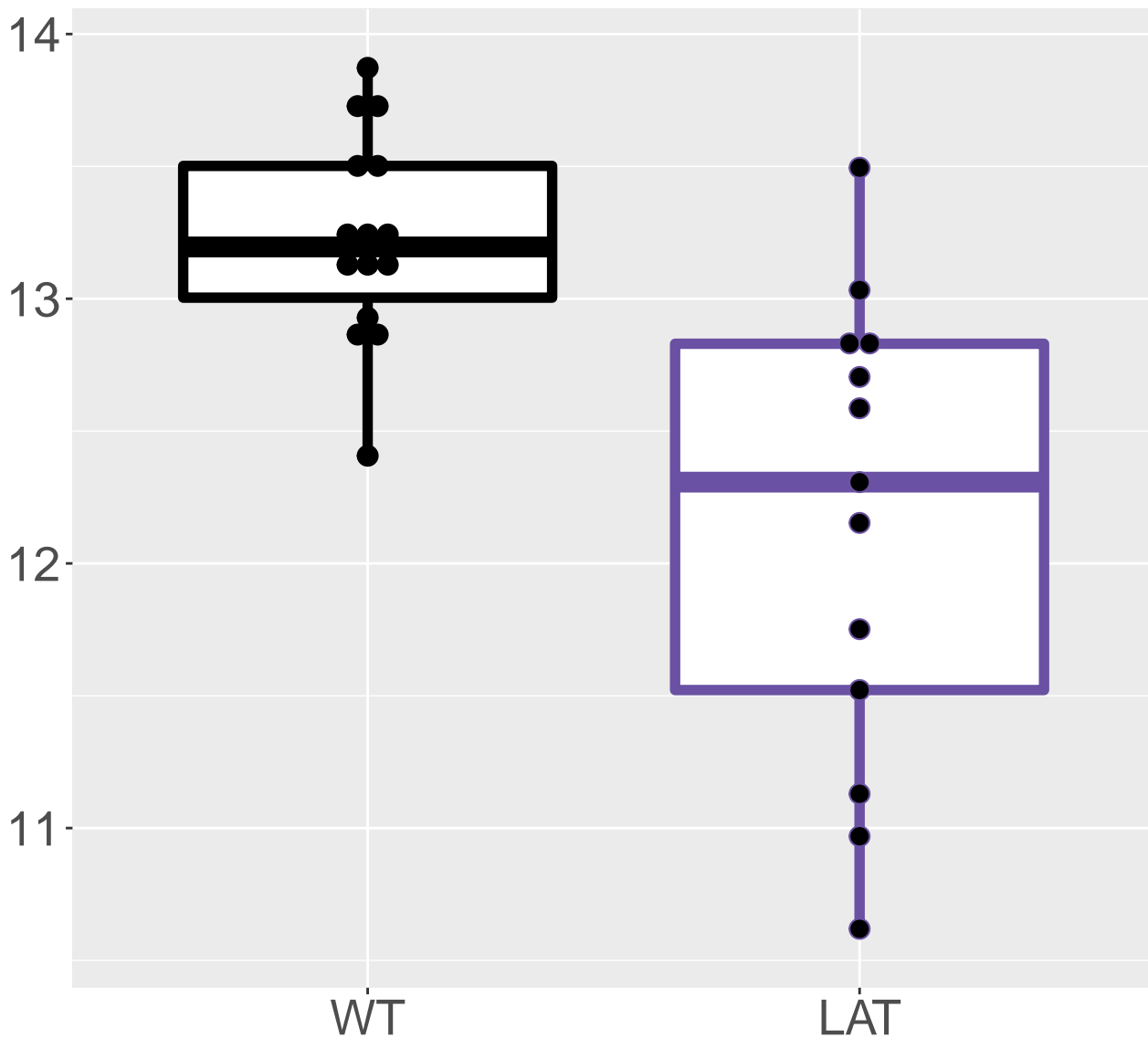


**M400.2429T329.64**

**FDR = 0.0017, FC = -4.6**

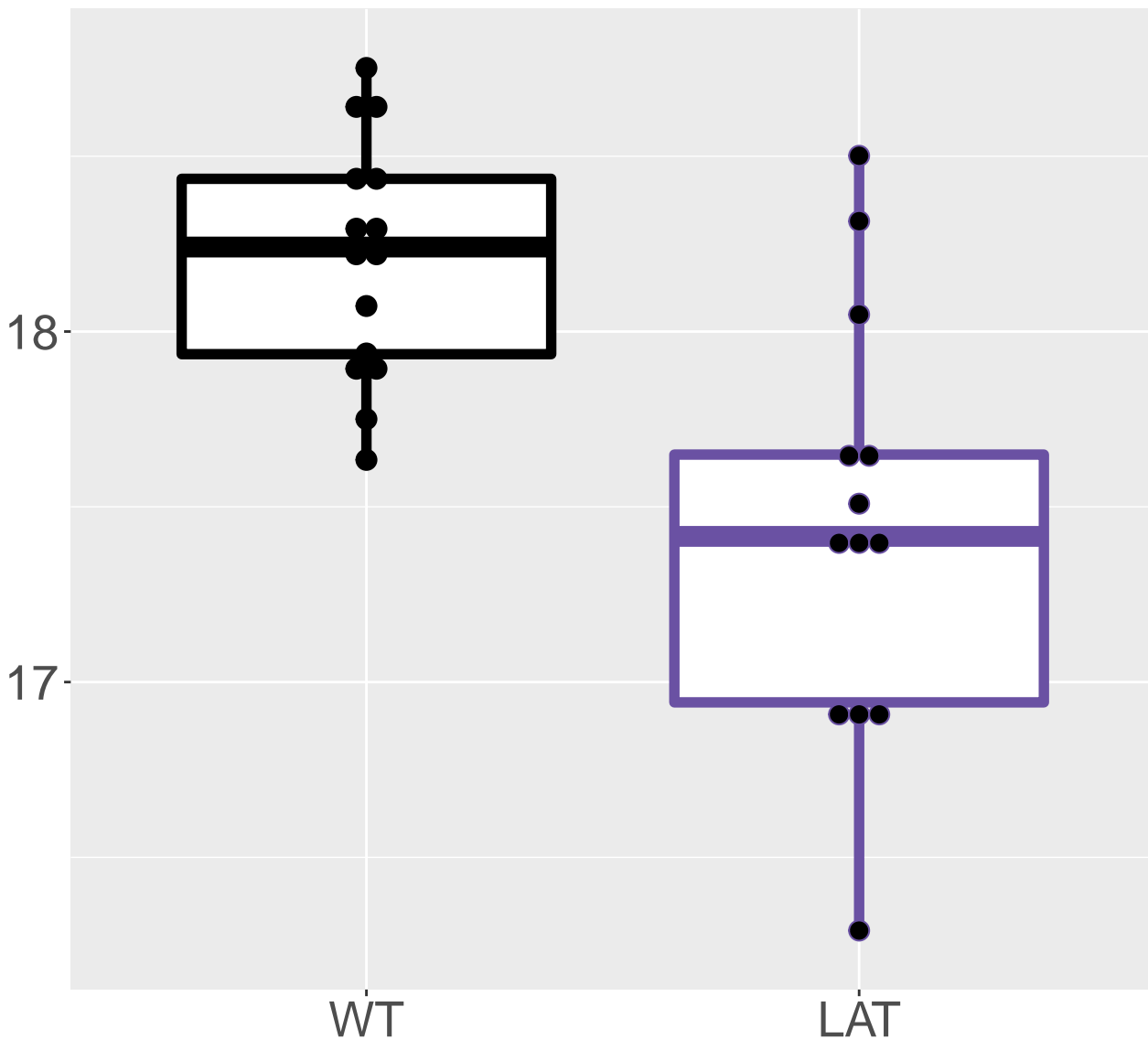


**M487.5169T315.4\_1**  
**FDR = 0.0017, FC = -1.1**



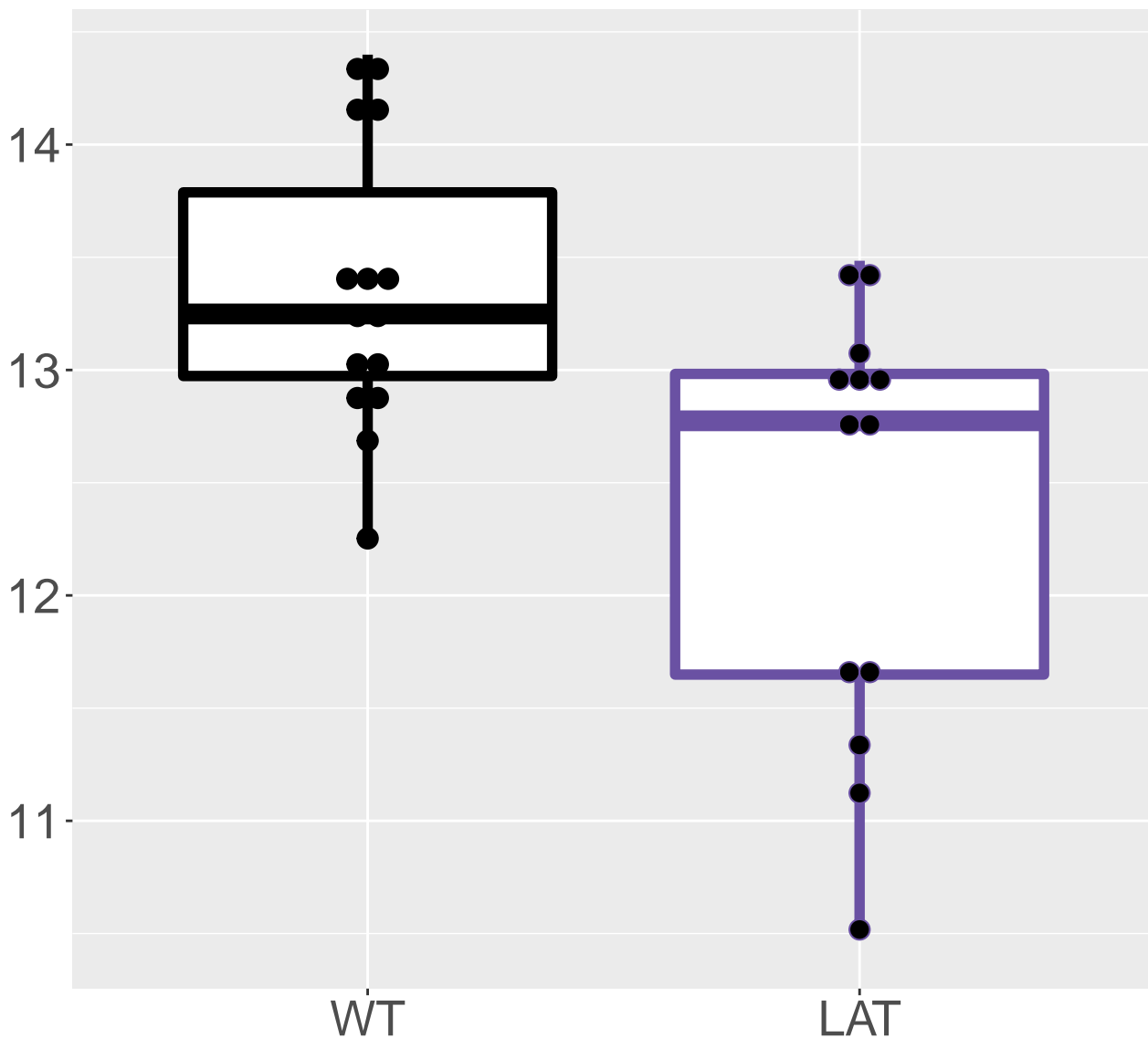
**M723.1988T48.24**

**FDR = 0.0017, FC = -0.76**



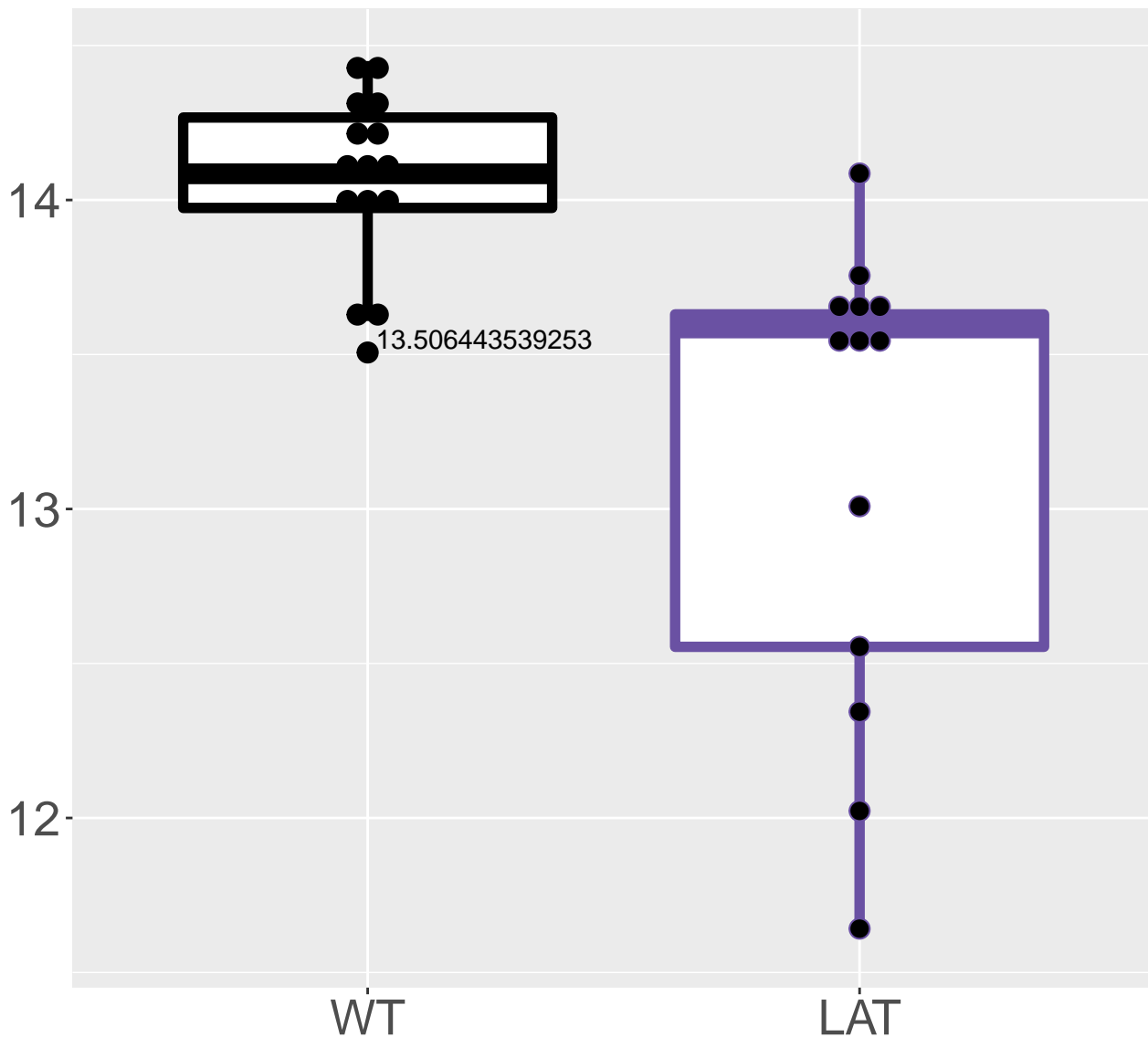
**M598.6861T330.5**

**FDR = 0.0017, FC = -1, sex\***



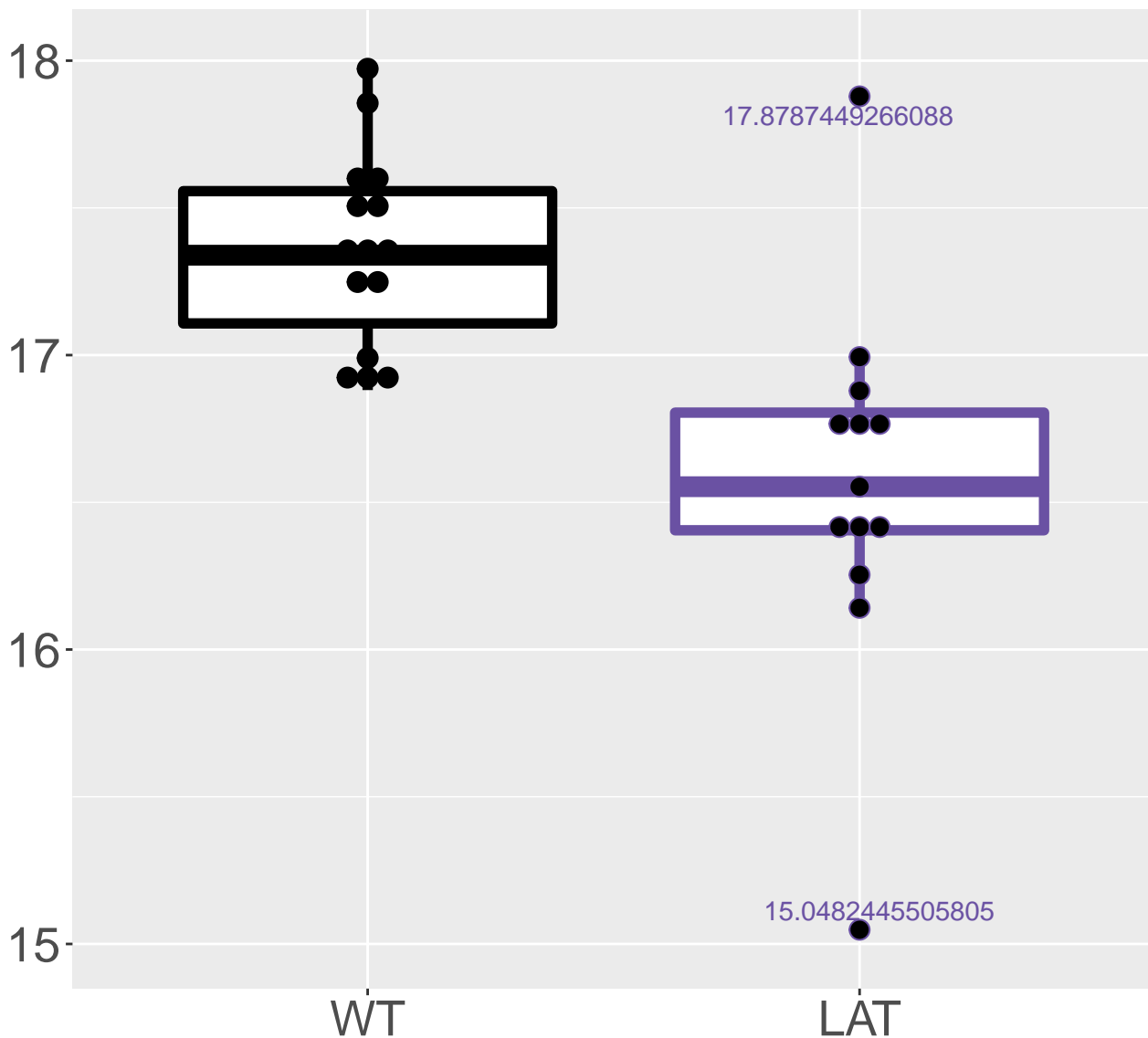


**M362.1941T131.65**  
**FDR = 0.0017, FC = -0.91**

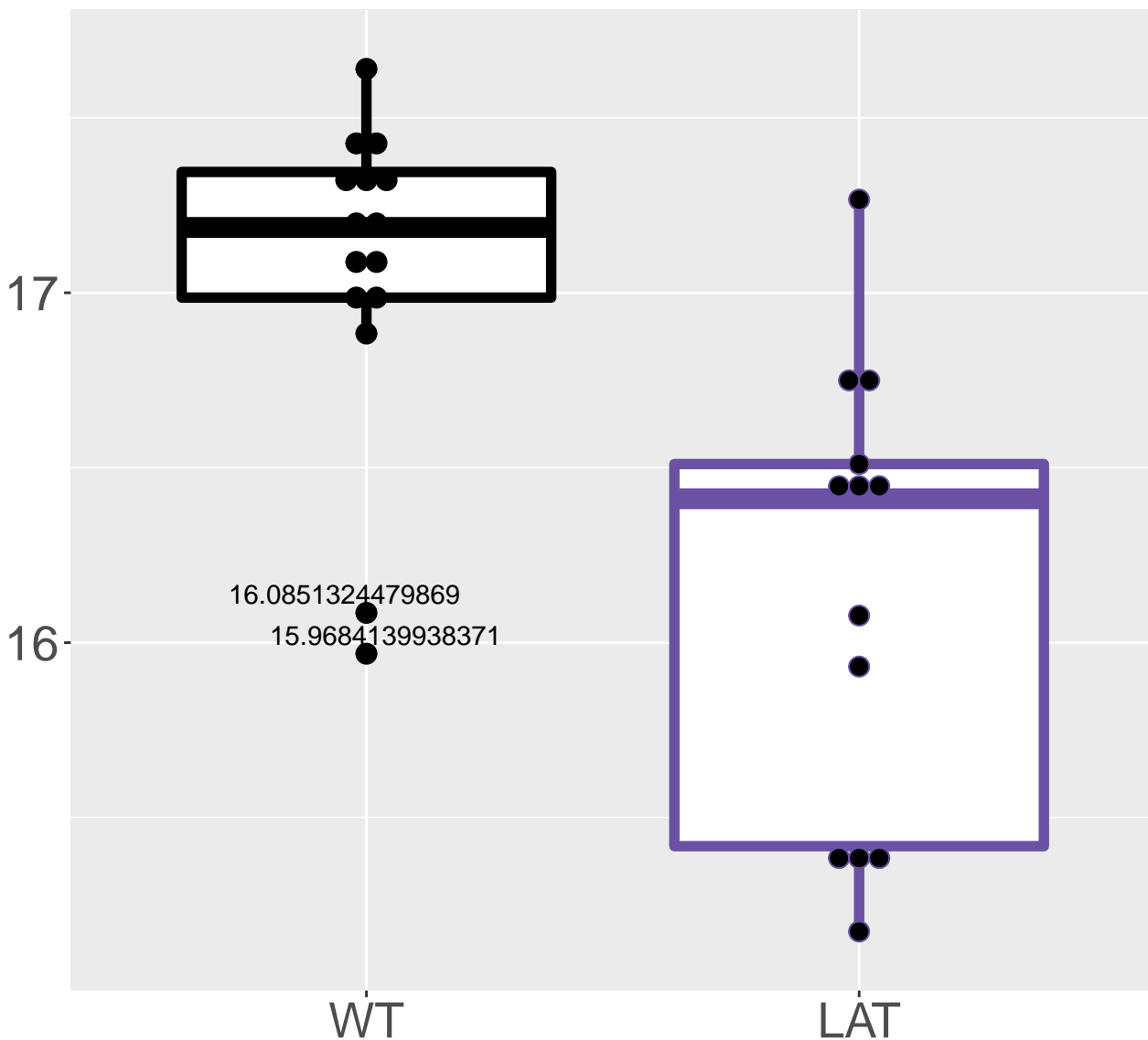


**M690.2175T46.79**

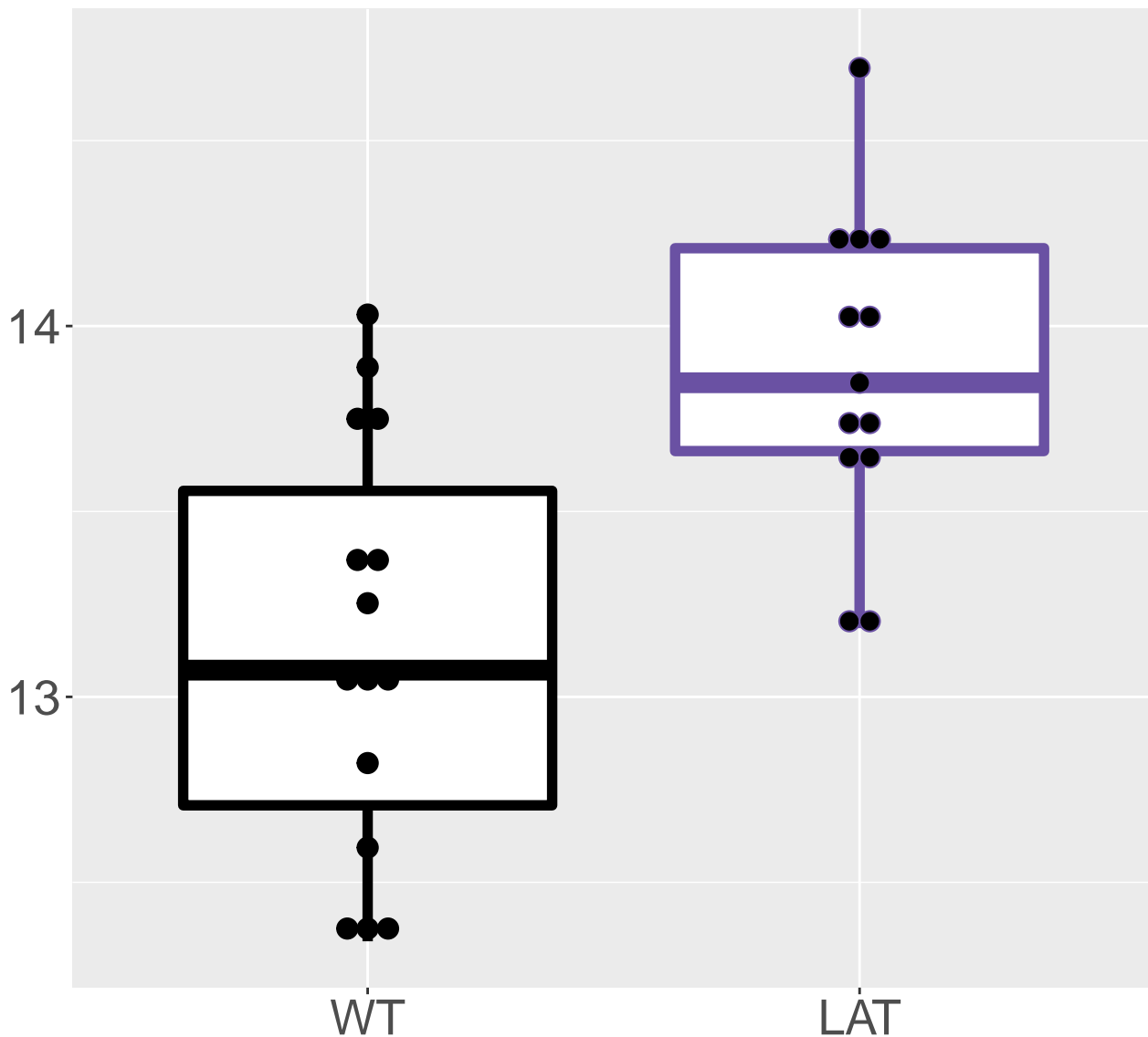
**FDR = 0.0017, FC = -0.8**



**FDR = 0.0017,  $\overline{FC} = -0.92$**

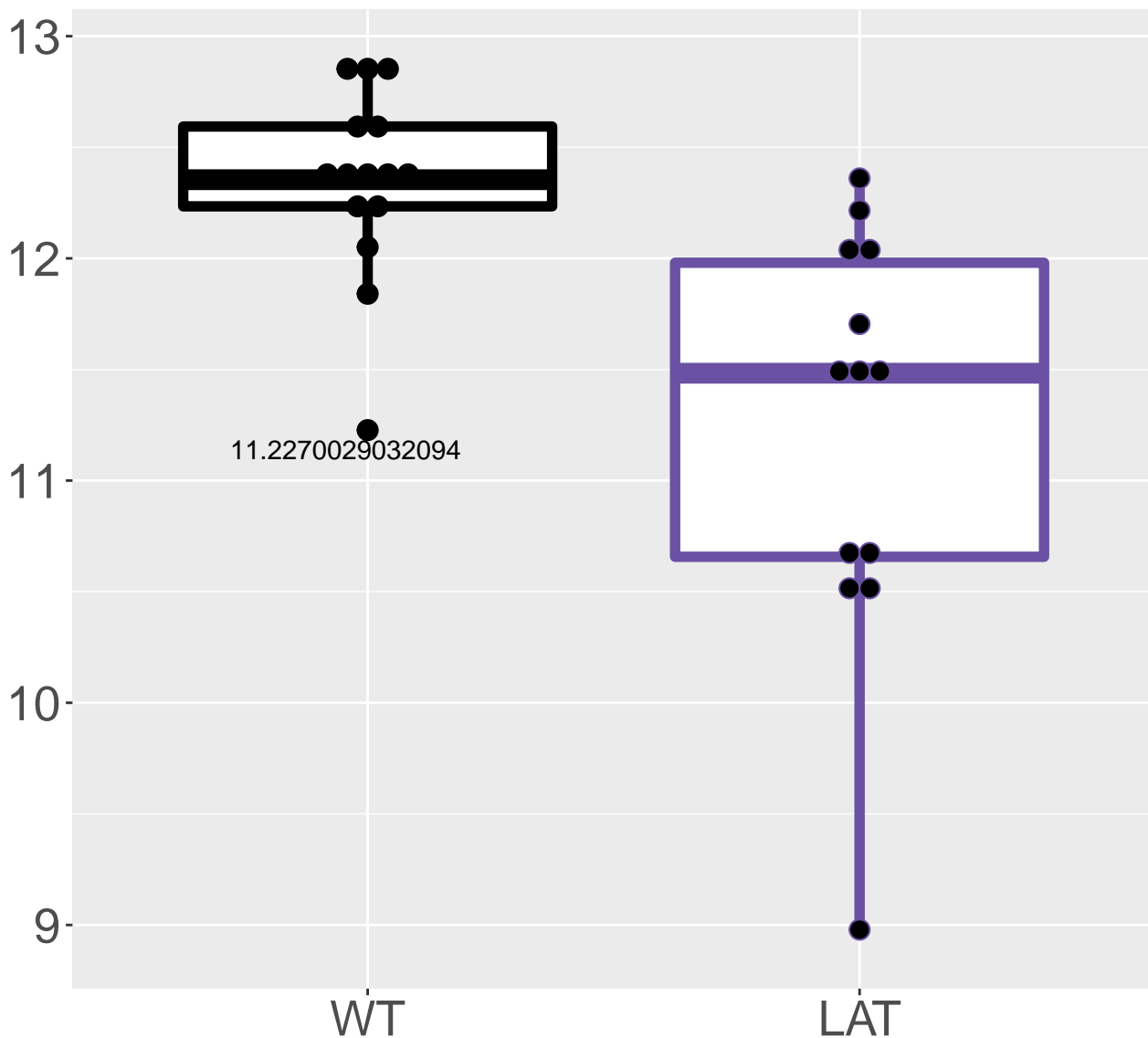


**M544.9579T279.65\_2**  
**FDR = 0.0018, FC = 0.74**

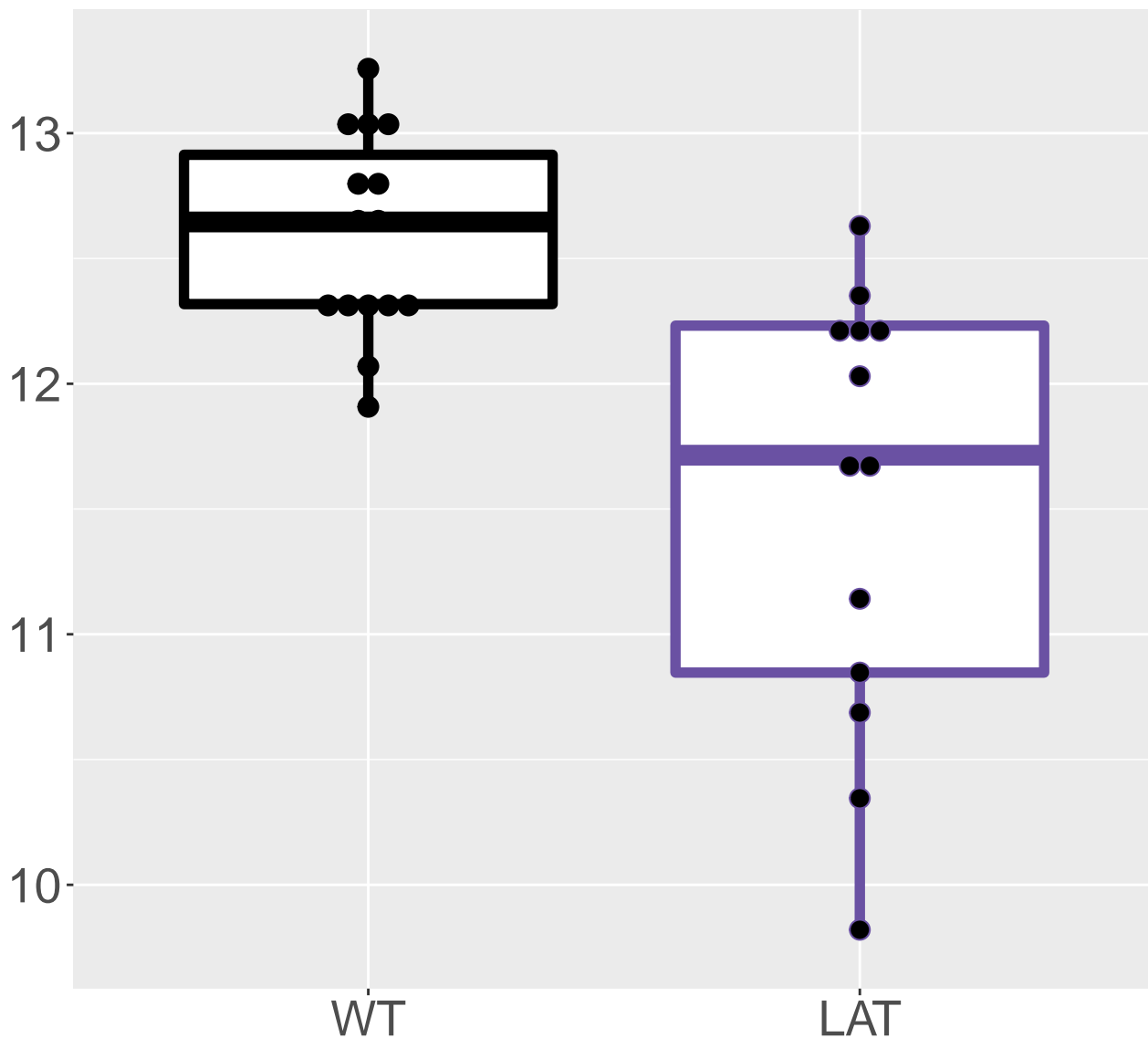


**M693.0486T273.38**

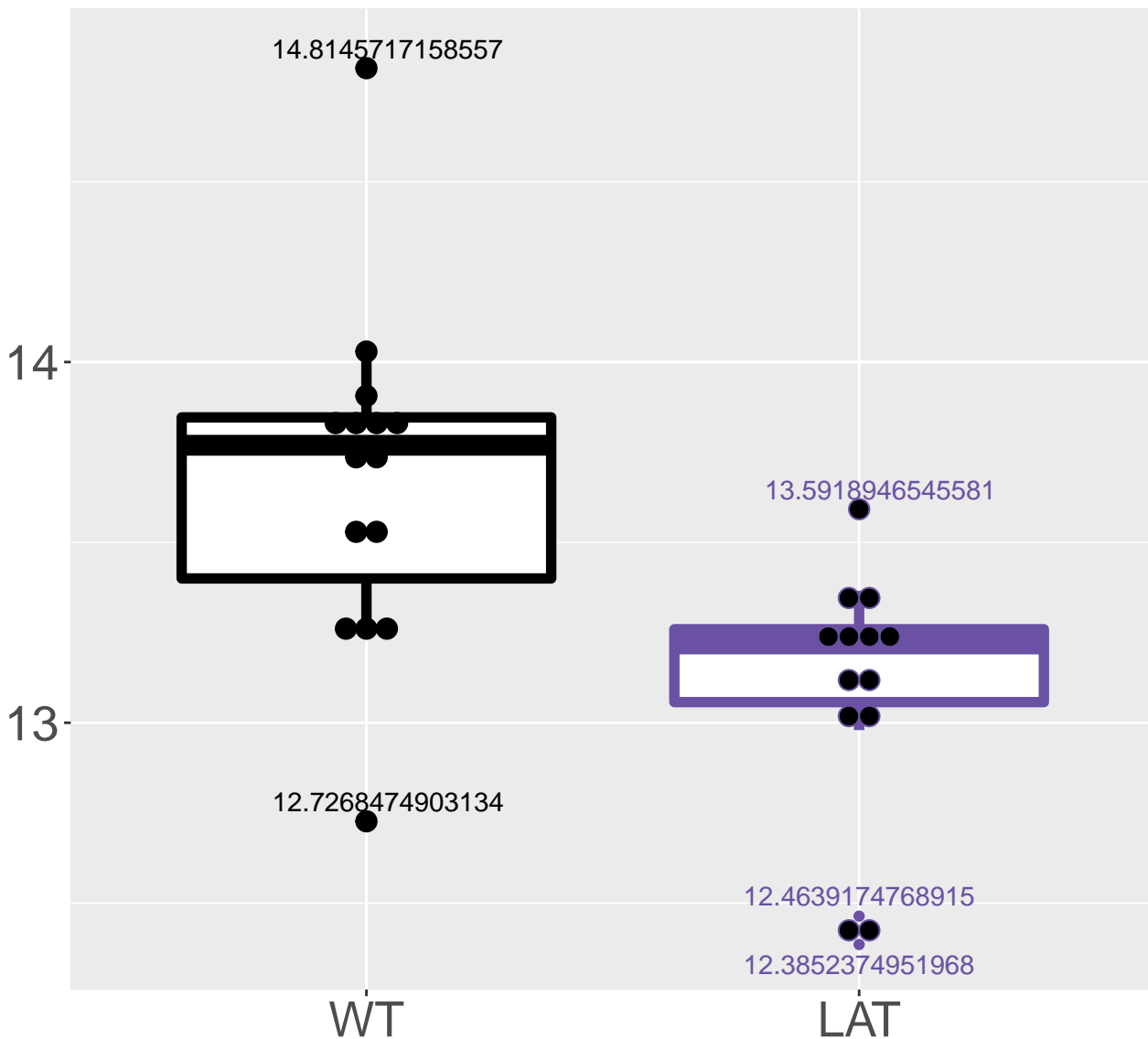
**FDR = 0.0018, FC = -1.1**



**M379.0214T269.87**  
**FDR = 0.0018, FC = -1.1**

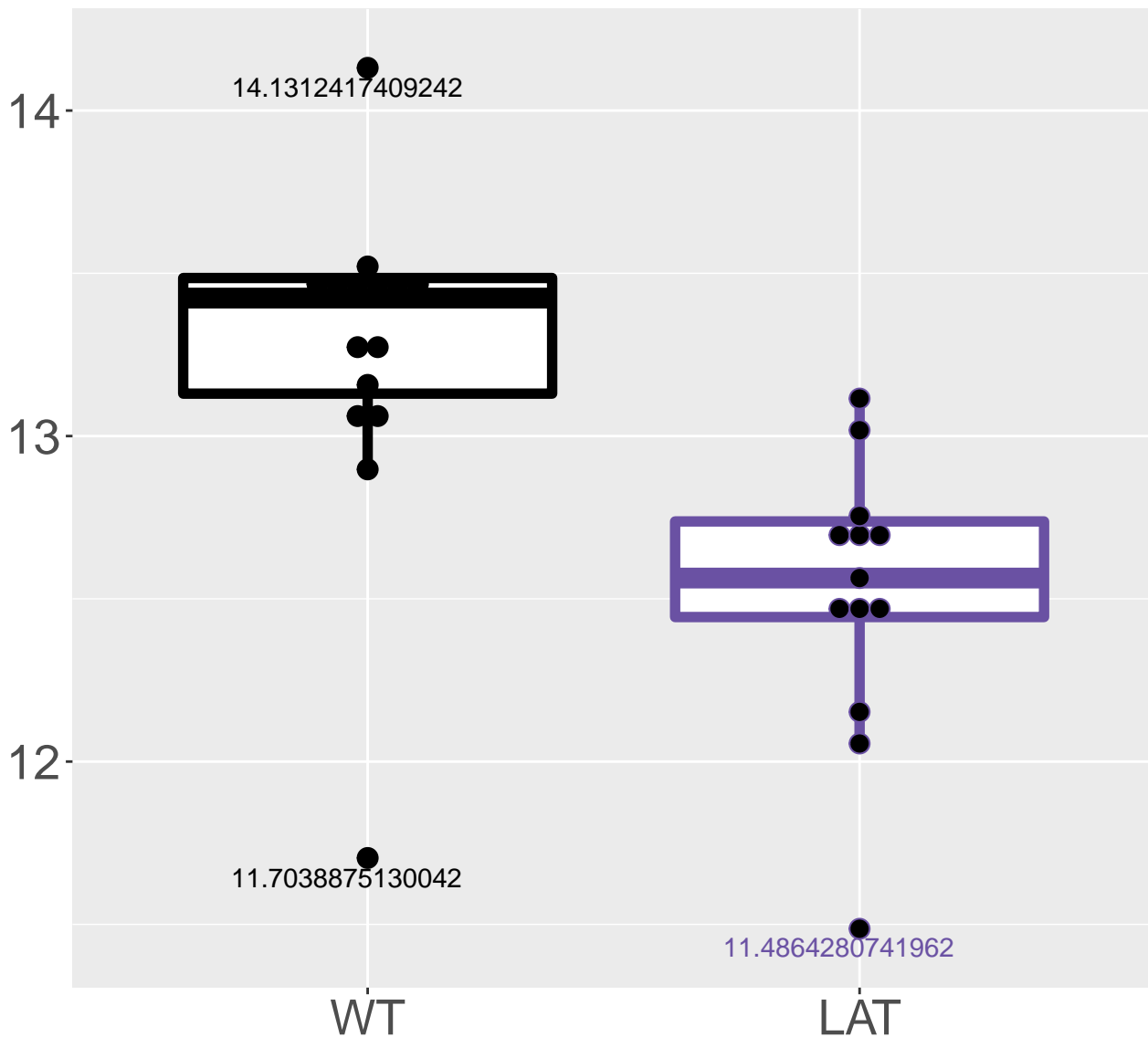


**M685.1836T98.51**  
**FDR = 0.0018, FC = -0.57**



**M648.6921T358.02**

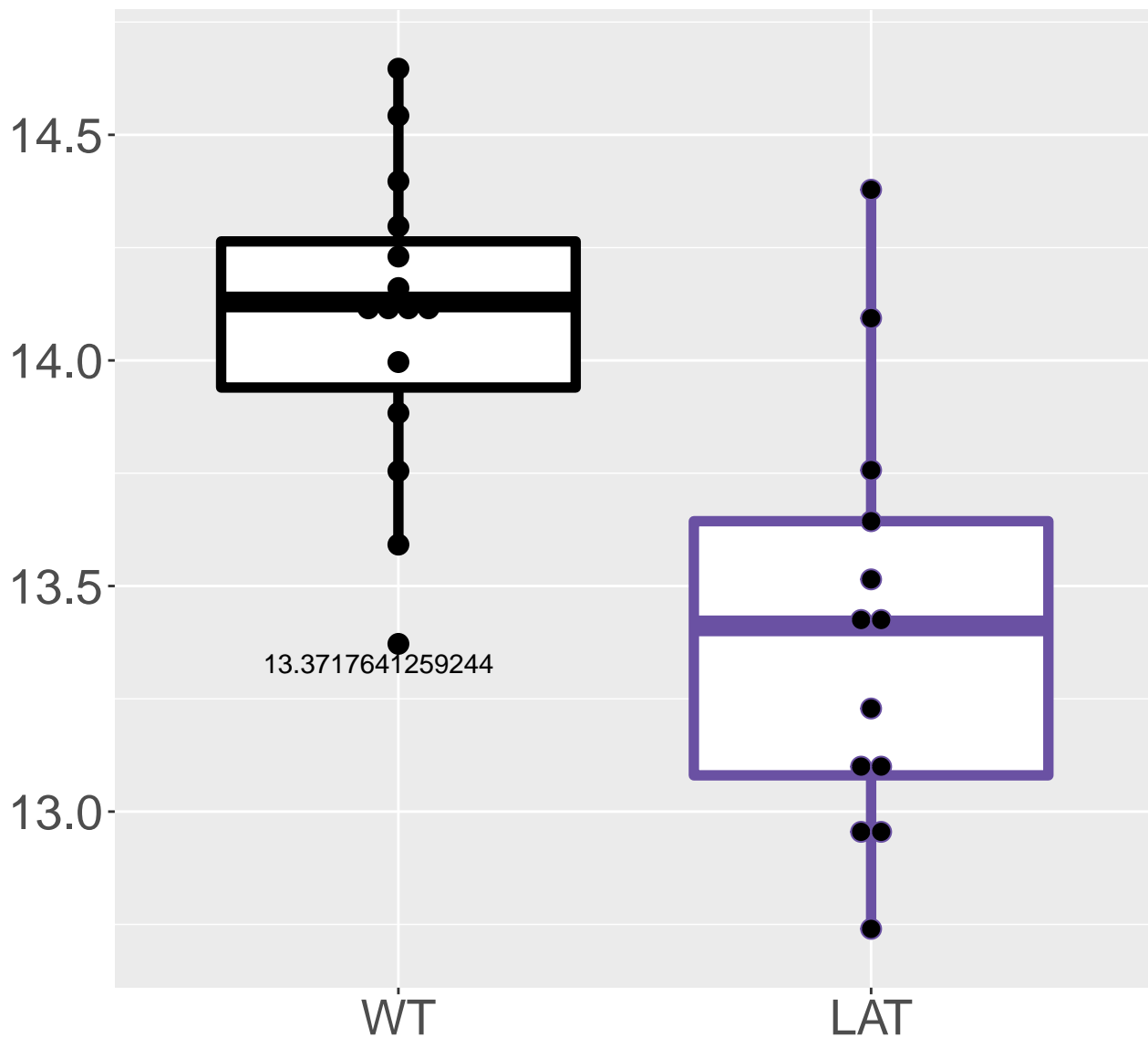
**FDR = 0.0018, FC = -0.75**





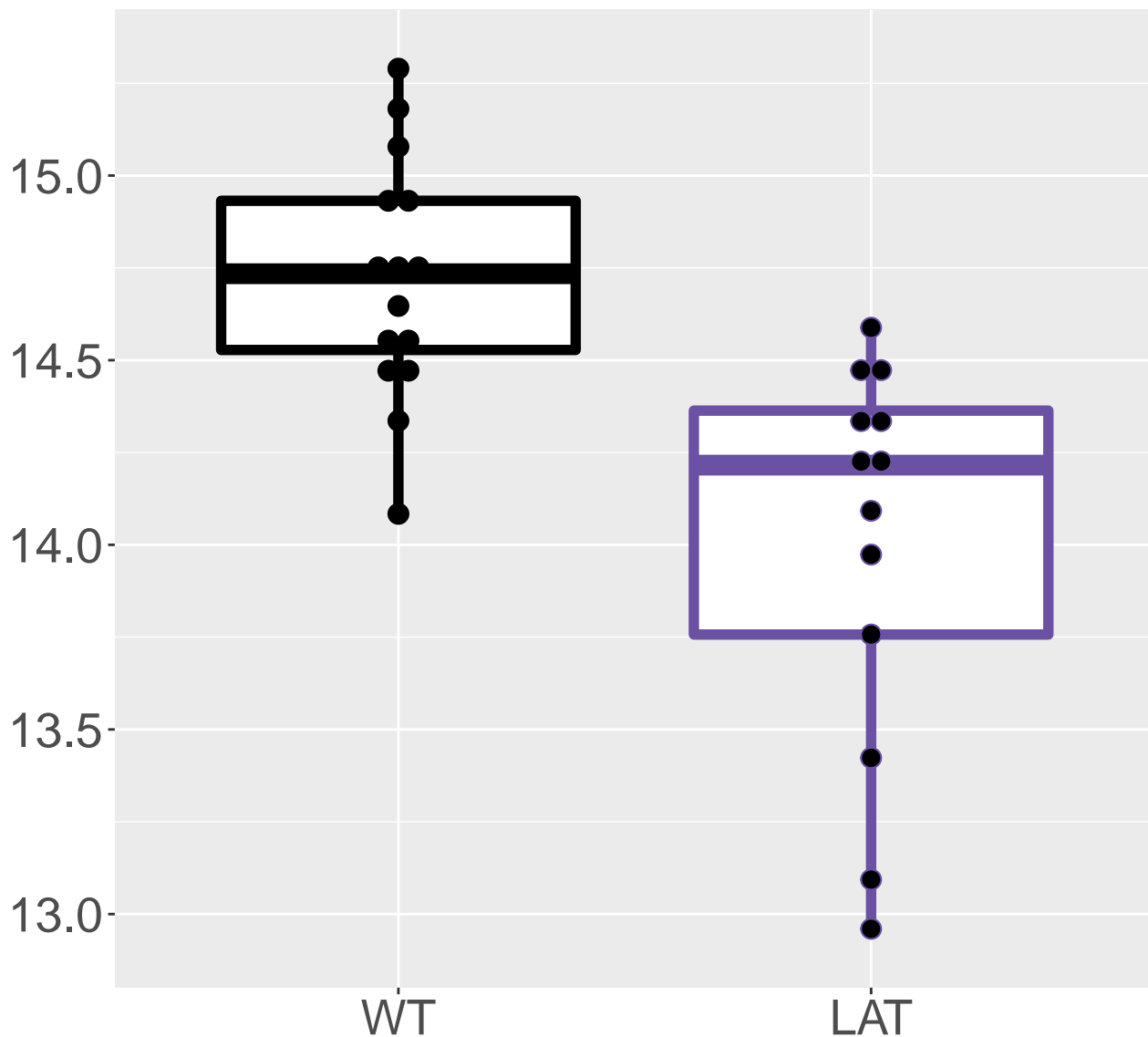
**M438.2141T282.84**

**FDR = 0.0019, FC = -0.68**



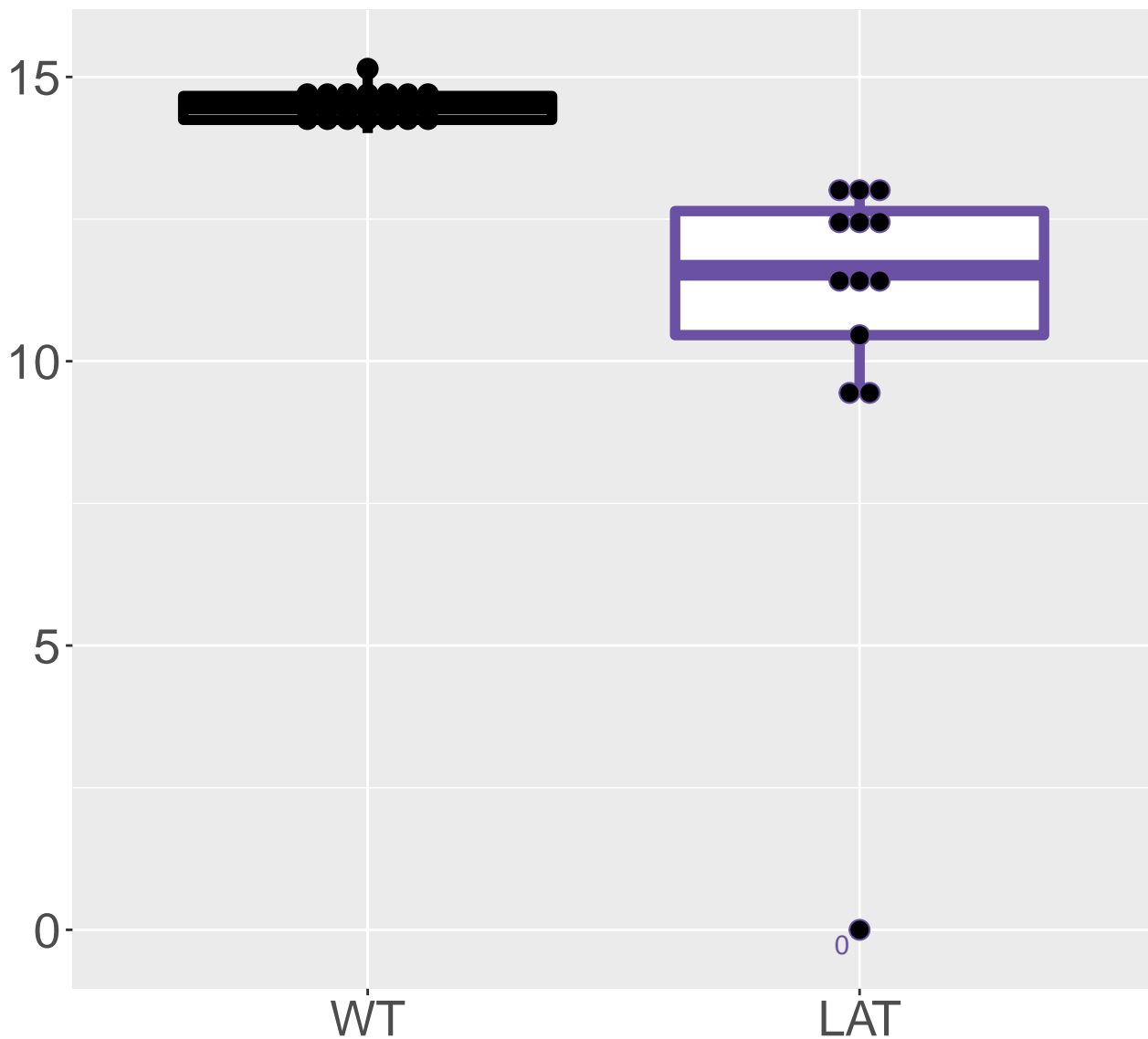
**M730.0277T356.95\_3**

**FDR = 0.0019, FC = -0.72**

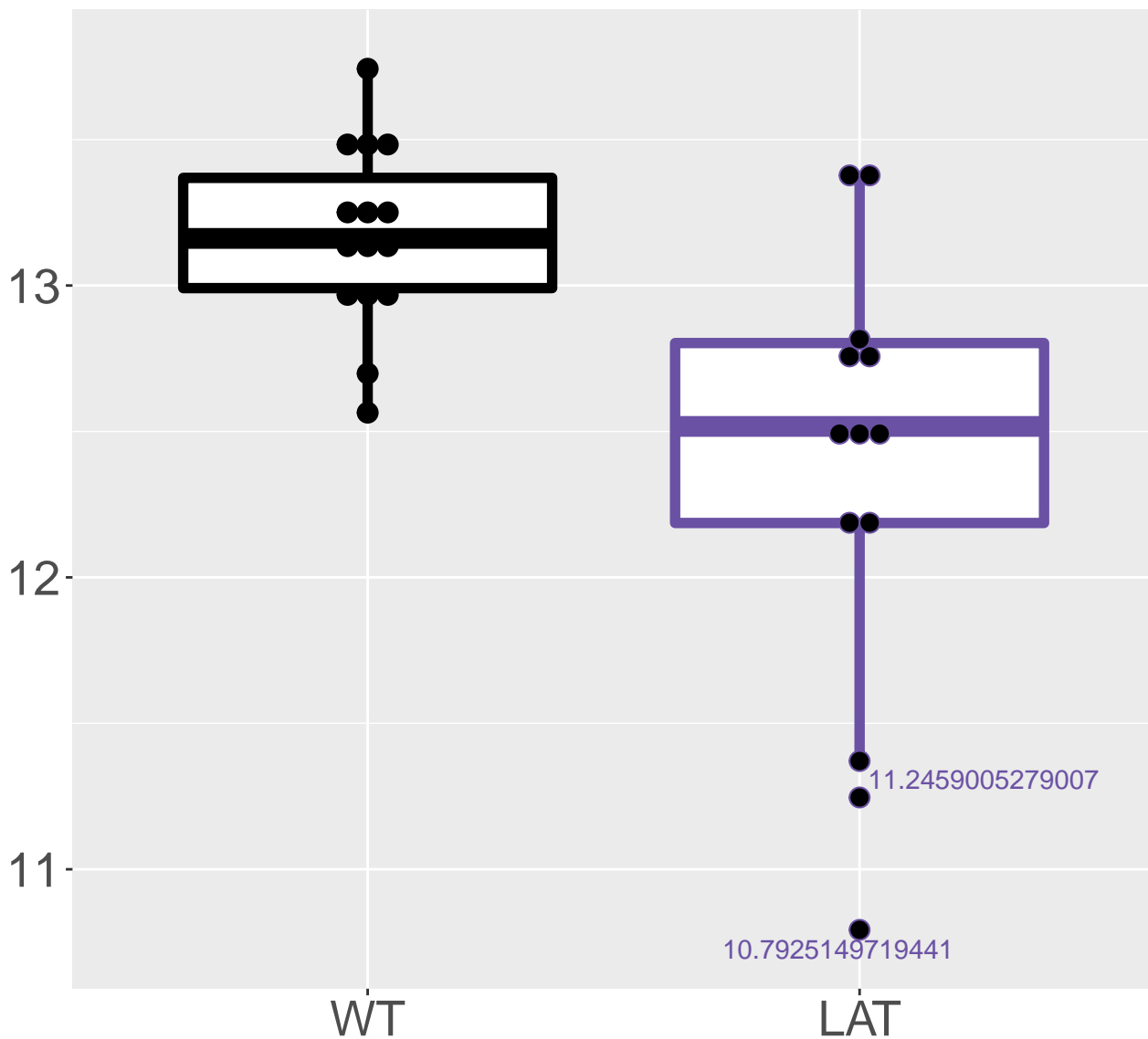


**M346.5106T195.71**

**FDR = 0.0019, FC = -3.7**

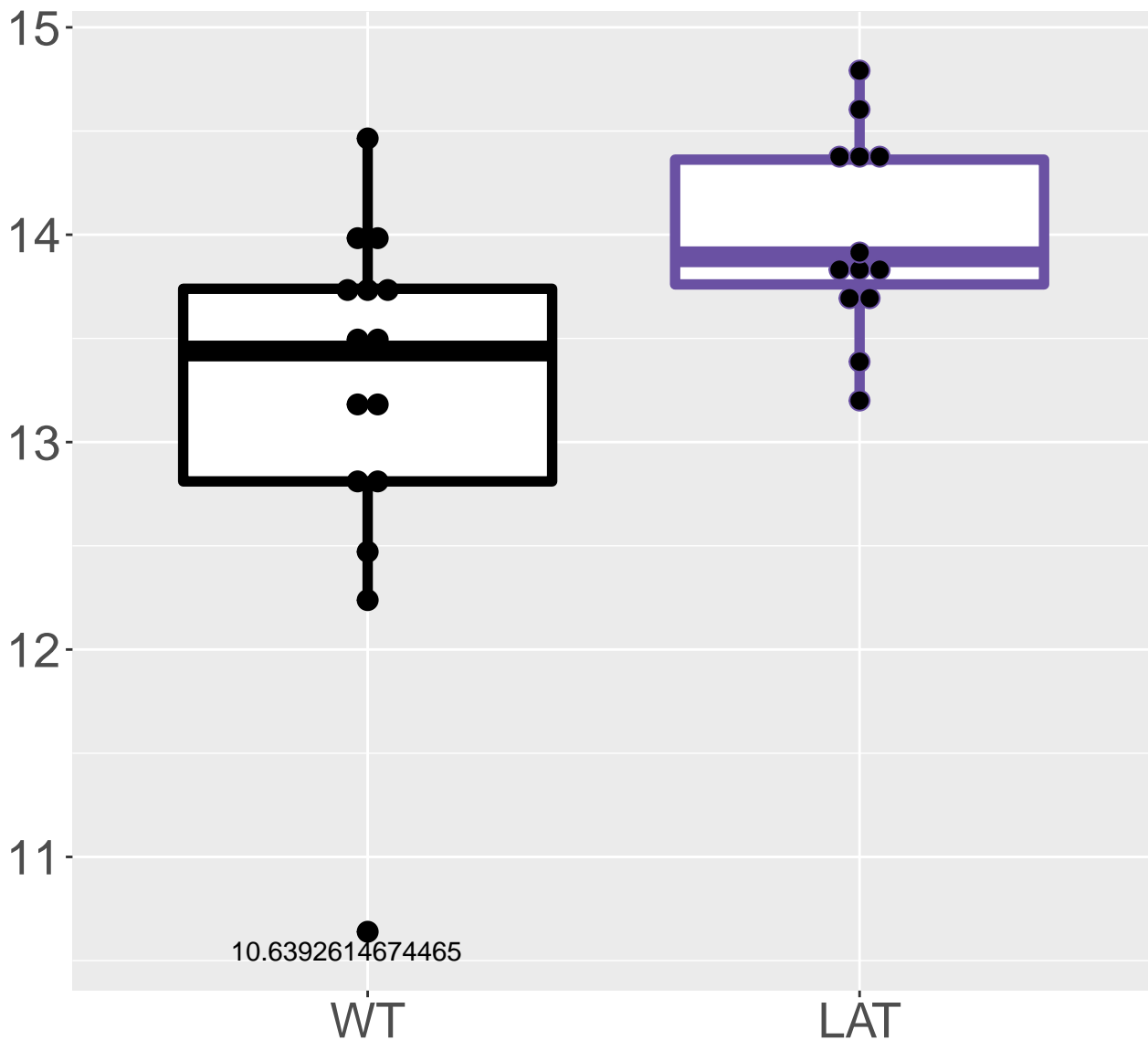


**M460.5753T241.15\_1**  
**FDR = 0.0019, FC = -0.83**



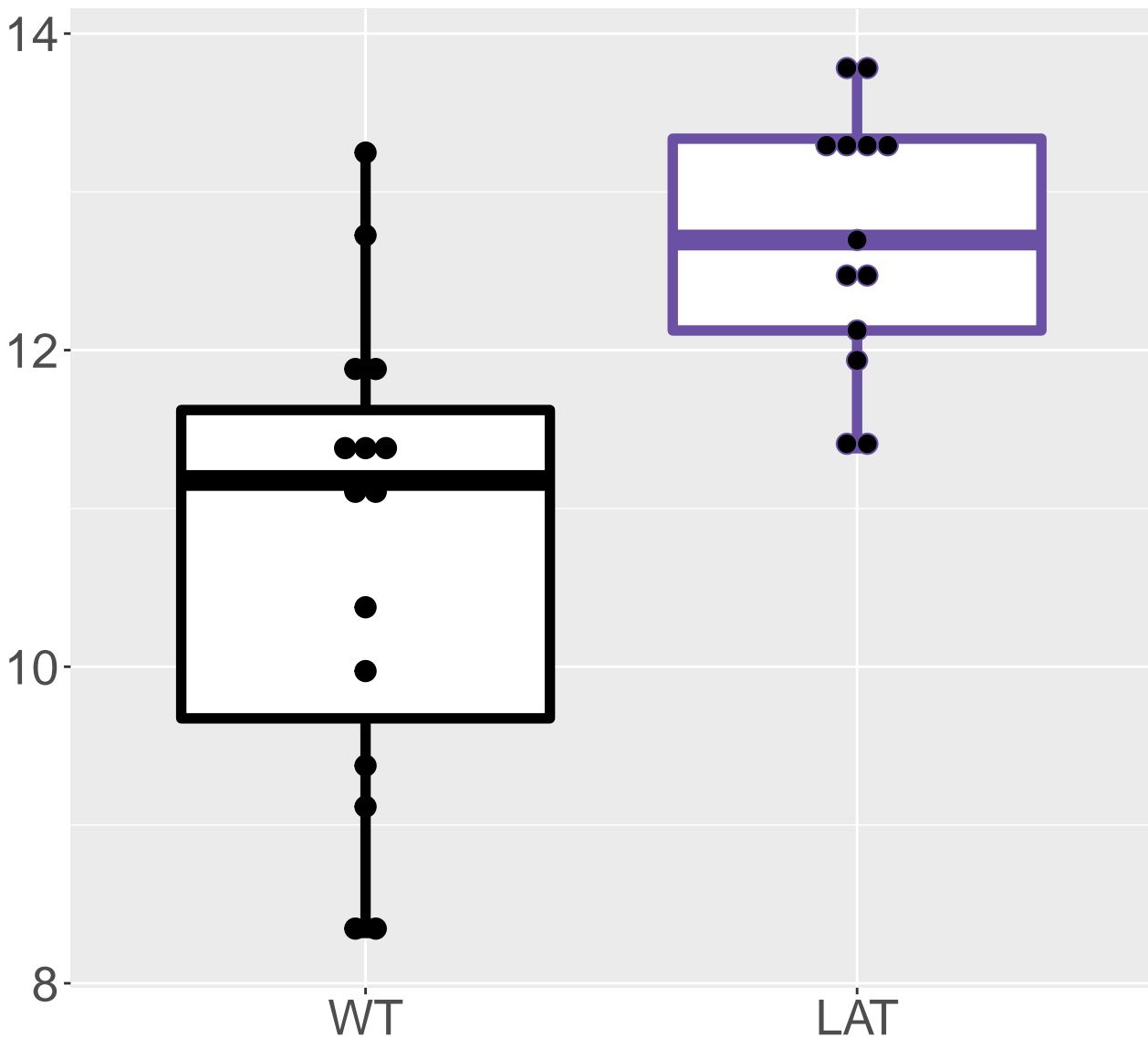
**M708.712T333.11\_2**

**FDR = 0.0019, FC = 0.8, sex\*\***



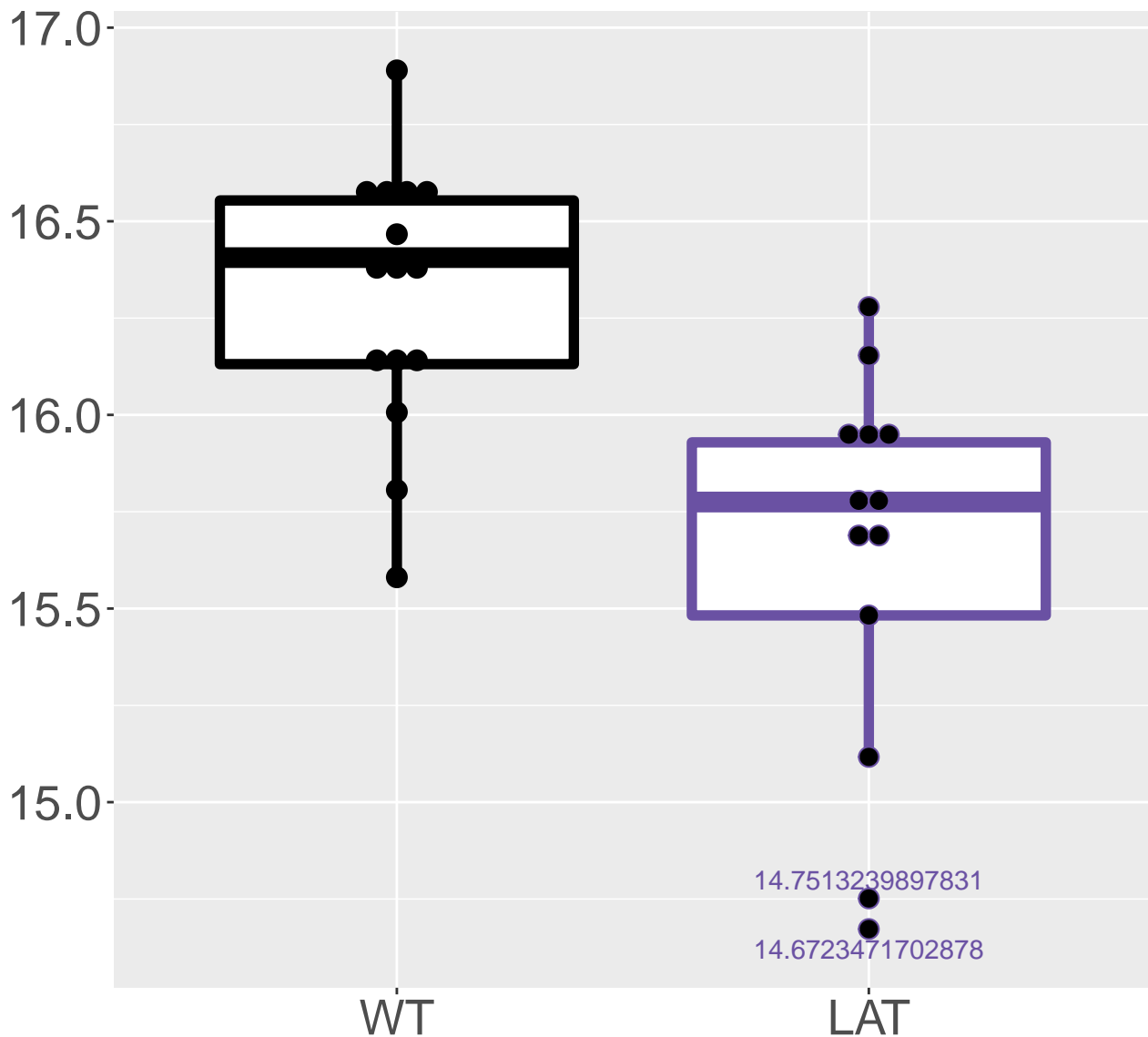
**M349.1751T127.81**

**FDR = 0.002, FC = 1.9**

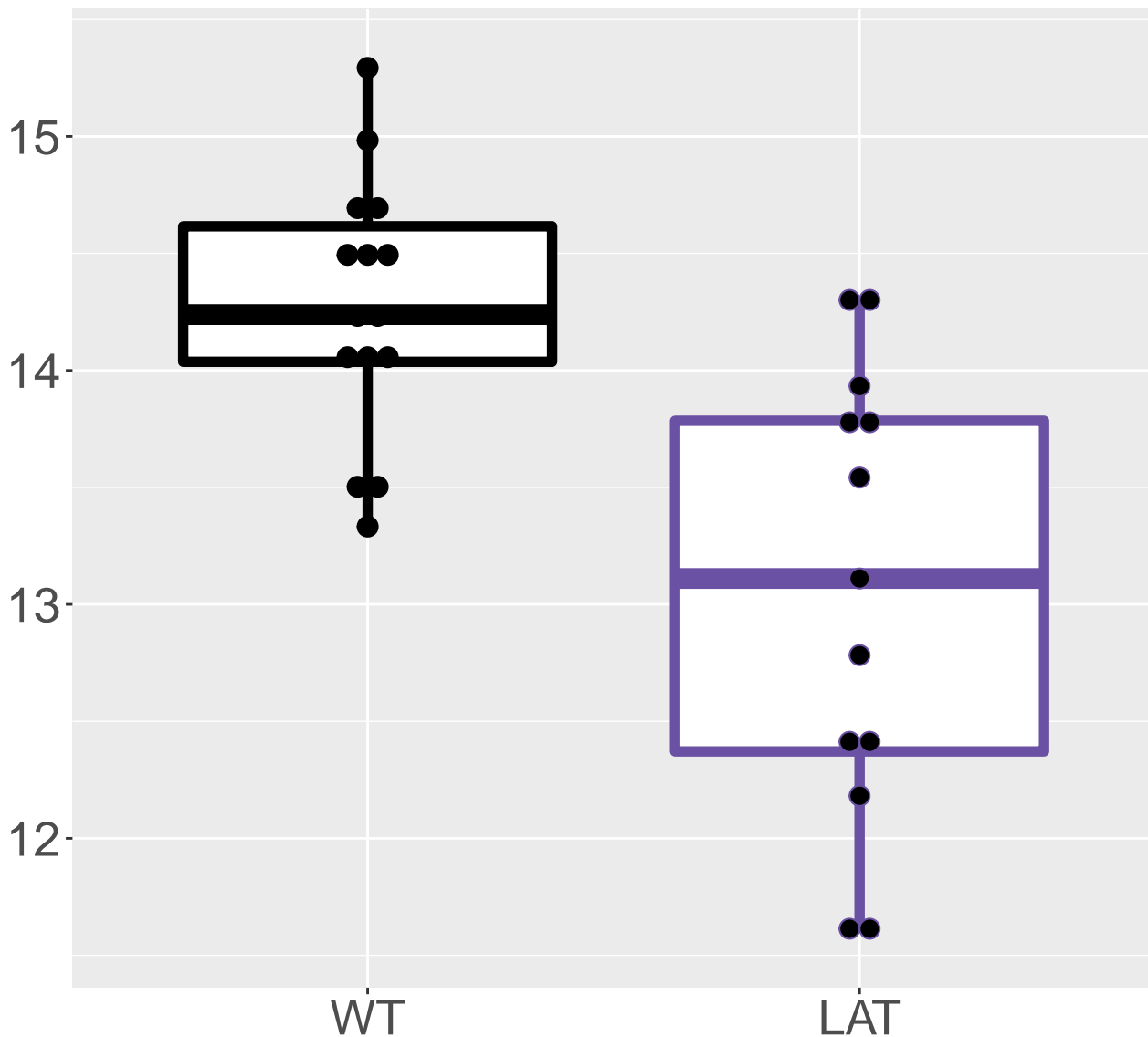


**M162.5727T113.23\_4**

**FDR = 0.002, FC = -0.68**



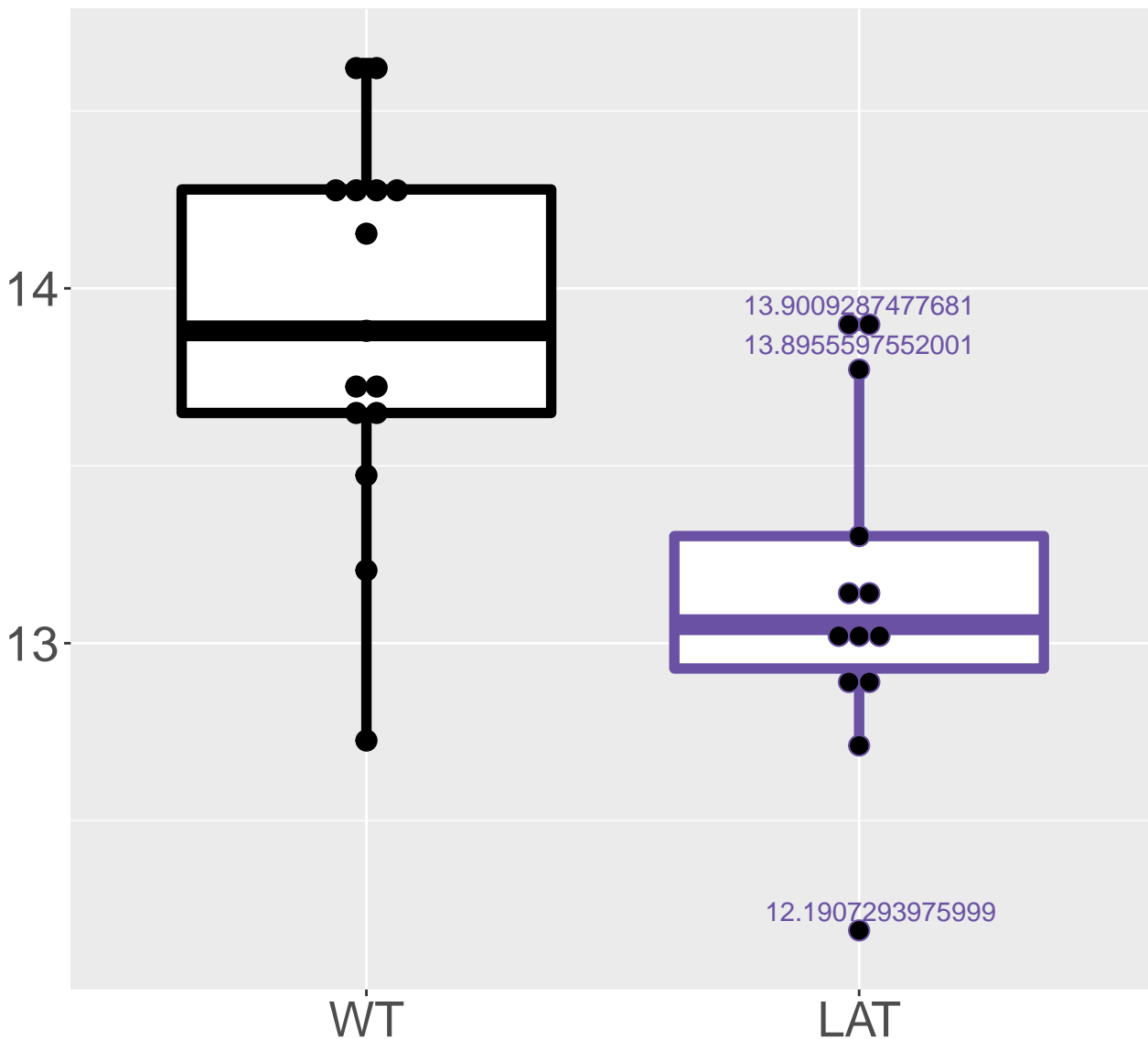
**M448.5795T323.69\_1**  
**FDR = 0.002, FC = -1.2**





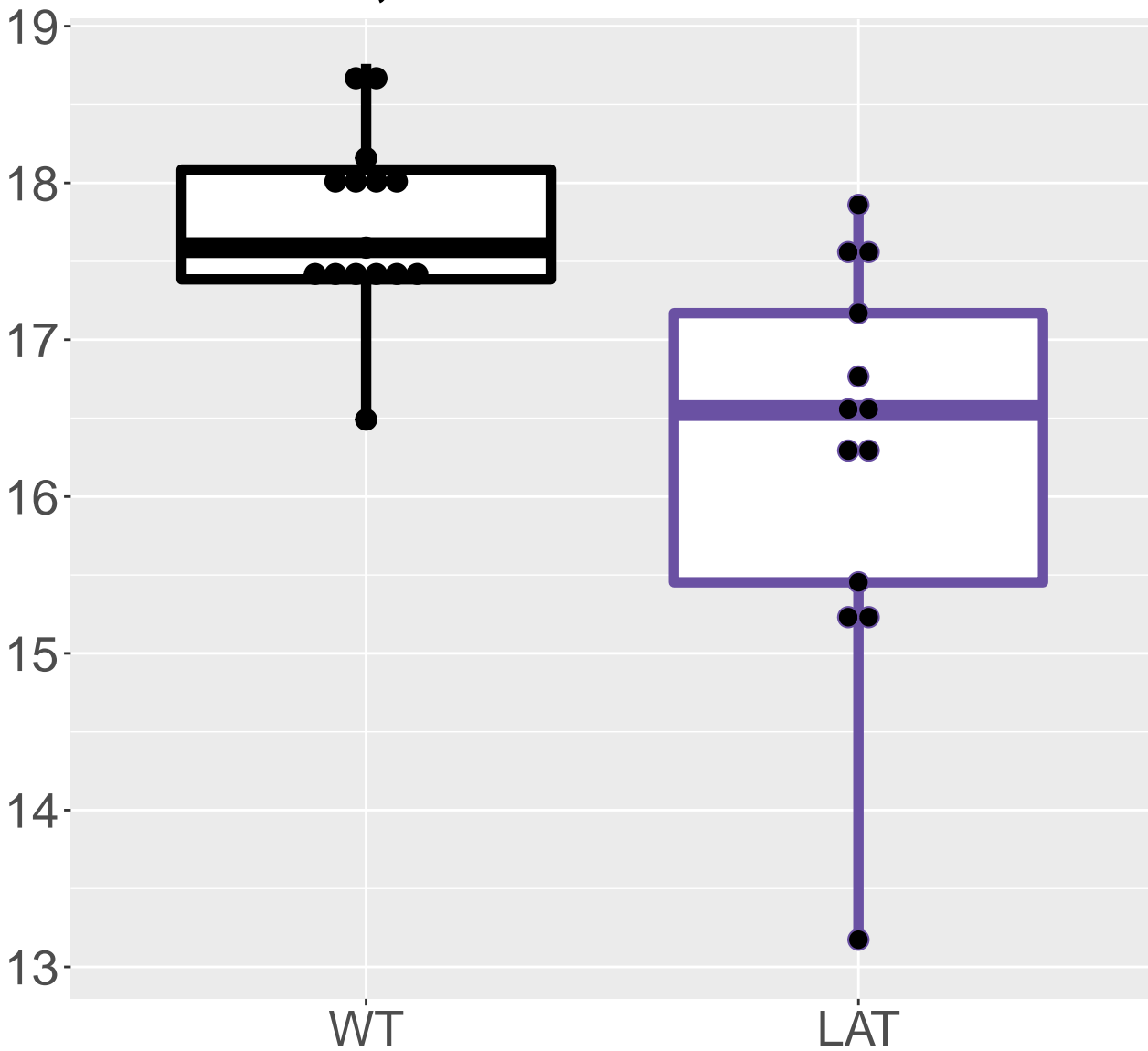
**M170.5635T141.94**

**FDR = 0.002, FC = -0.76**



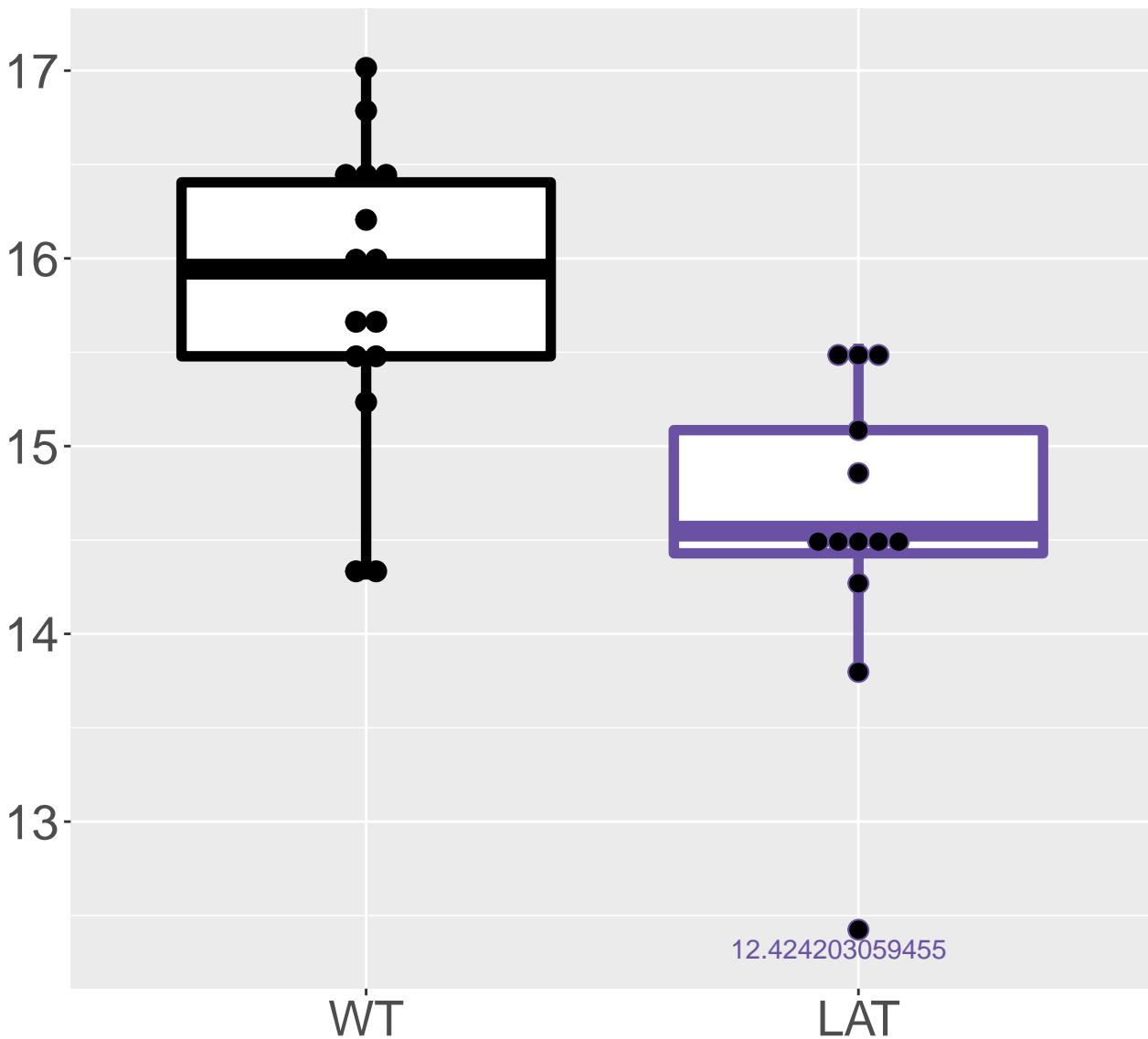
**M653.2359T48.79**

**FDR = 0.0021, FC = -1.5**



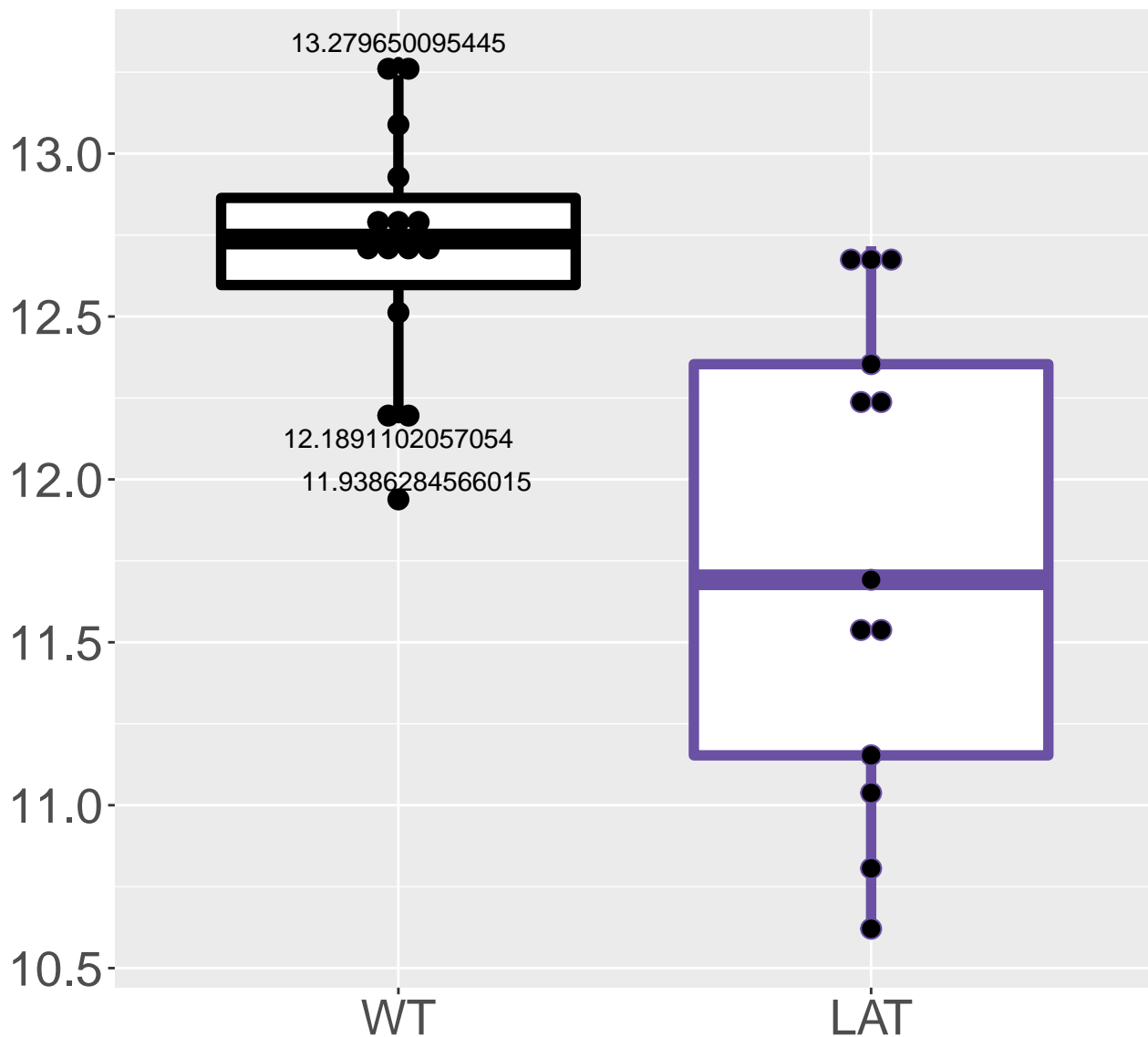
**M534.6963T343.24\_1**

**FDR = 0.0021, FC = -1.3**



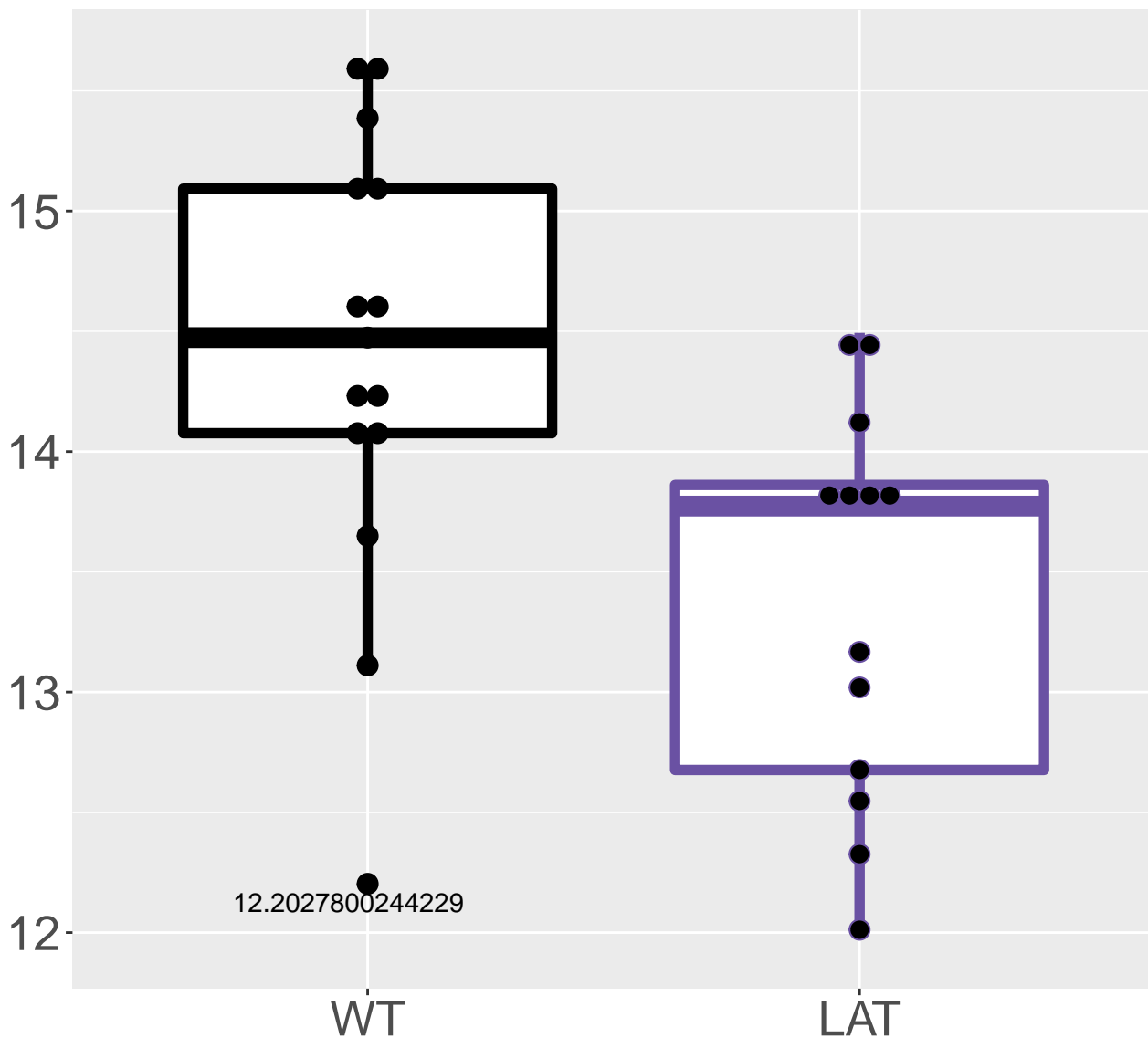
**M450.2011T218.3**

**FDR = 0.0021, FC = -0.92**

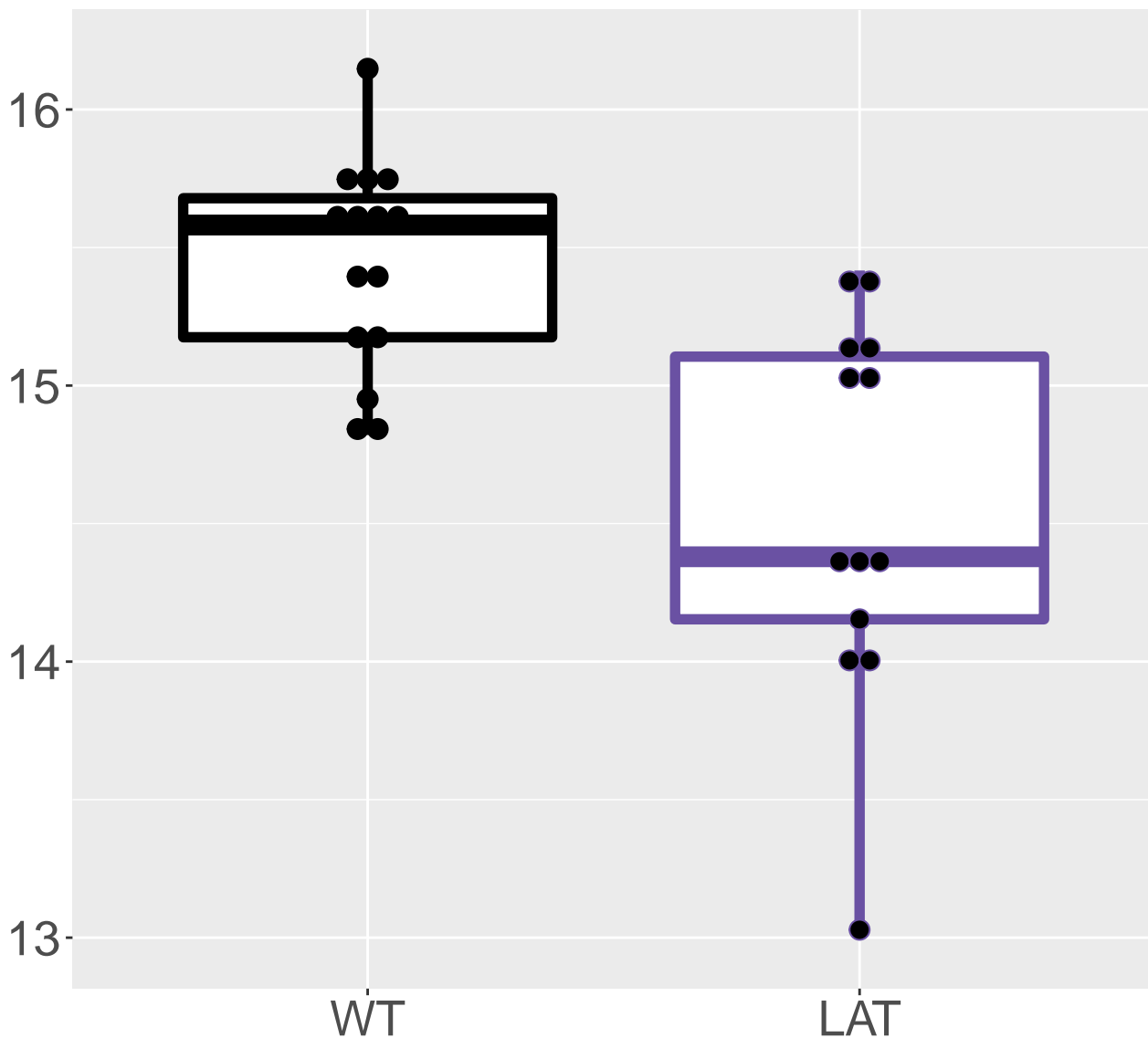


**M455.5859T343.98\_1**

**FDR = 0.0021, FC = -1, sex\*\***

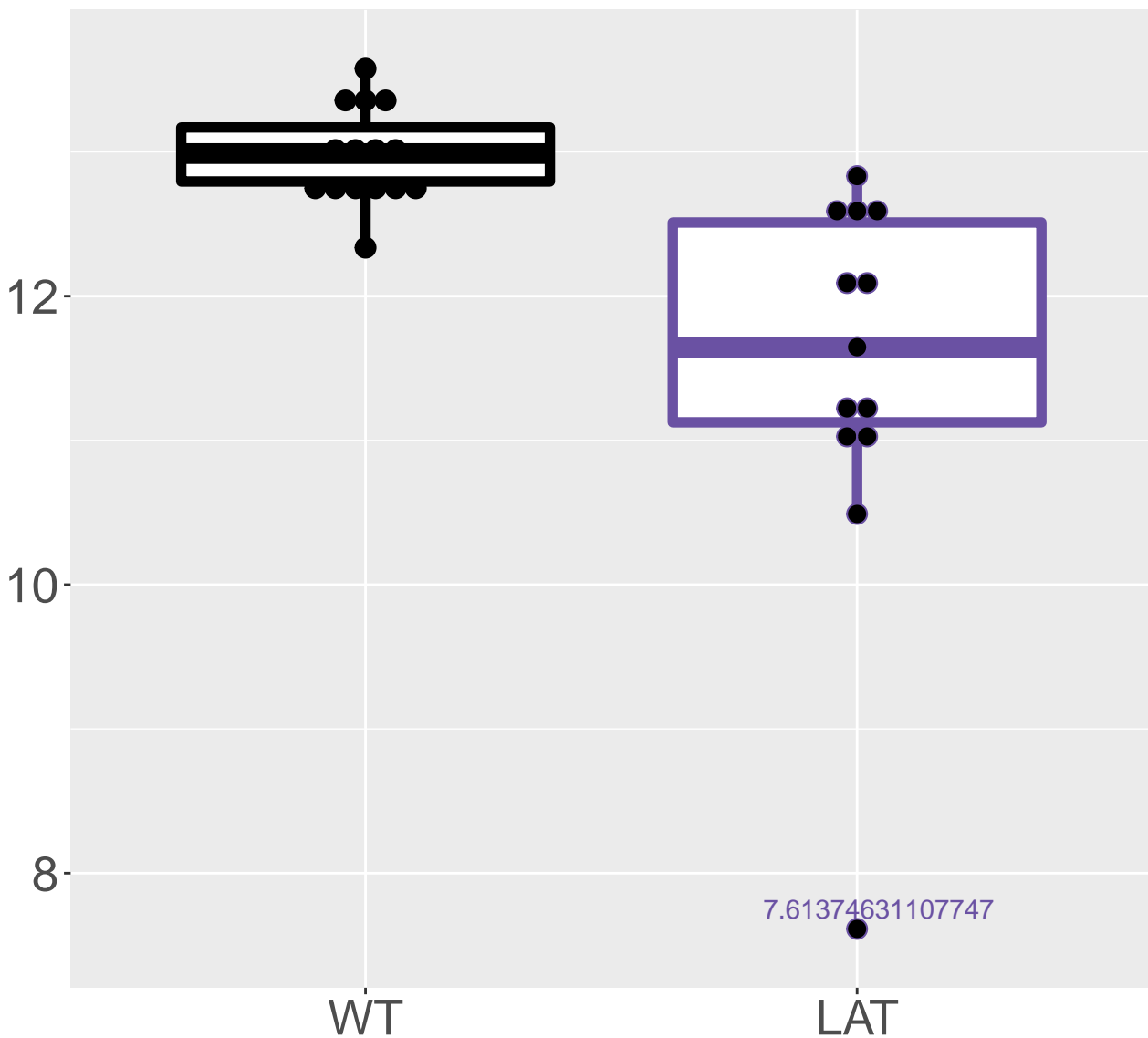


**M155.8386T113.21\_15**  
**FDR = 0.0022, FC = -0.87**

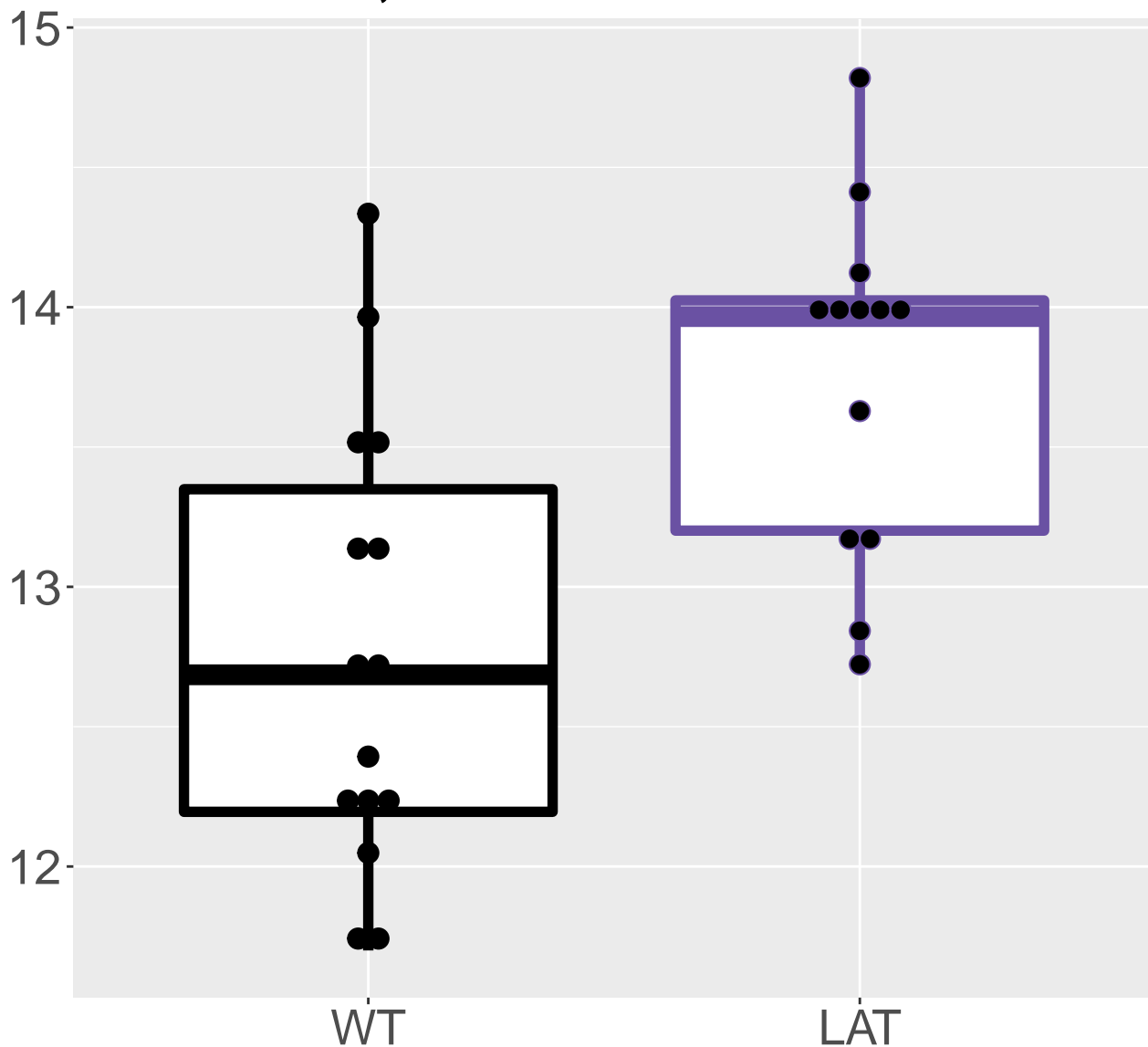


**M365.5437T90.87**

**FDR = 0.0022, FC = -1.5**

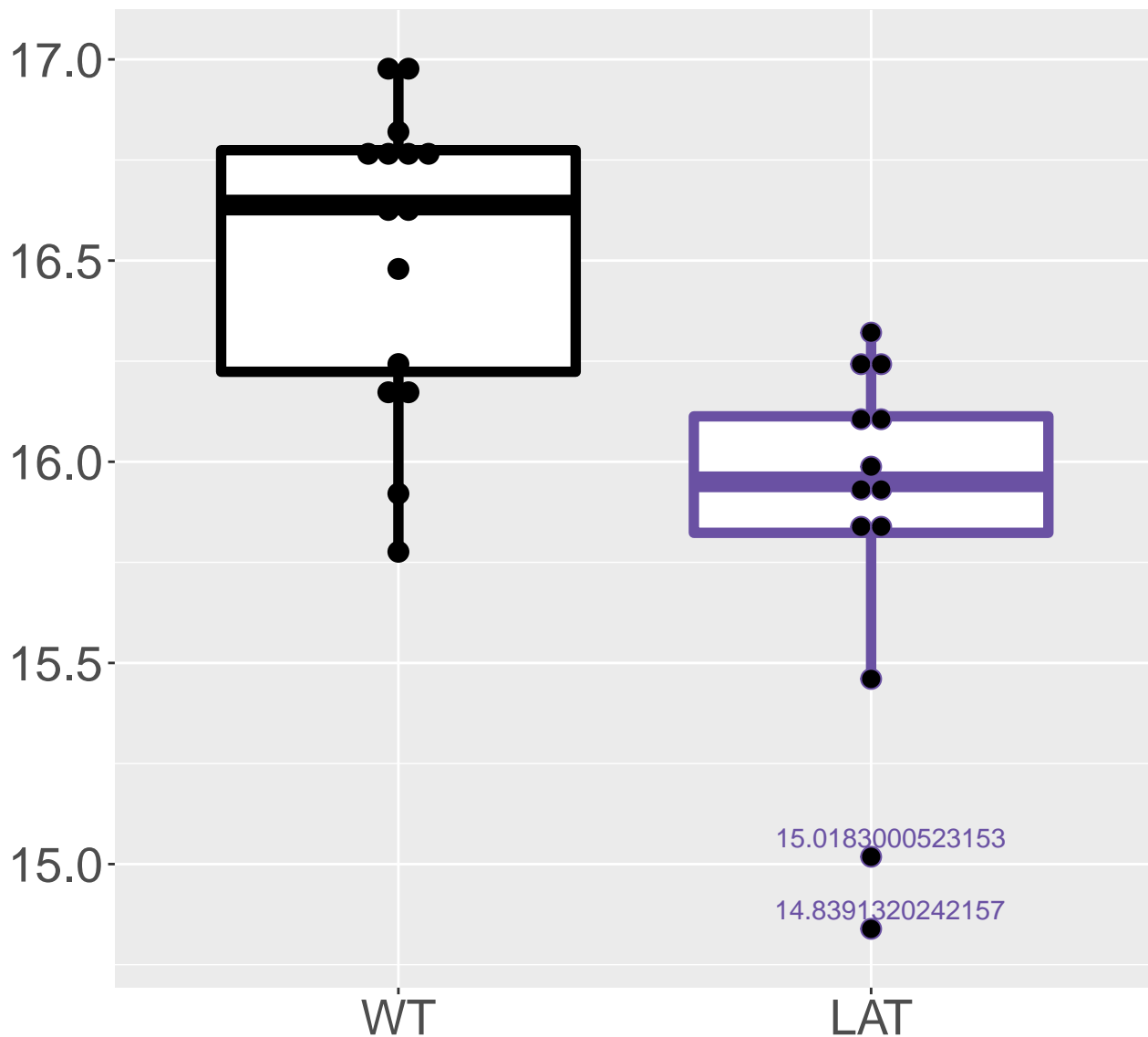


**M418.7411T268.61**  
**FDR = 0.0022, FC = 0.98**



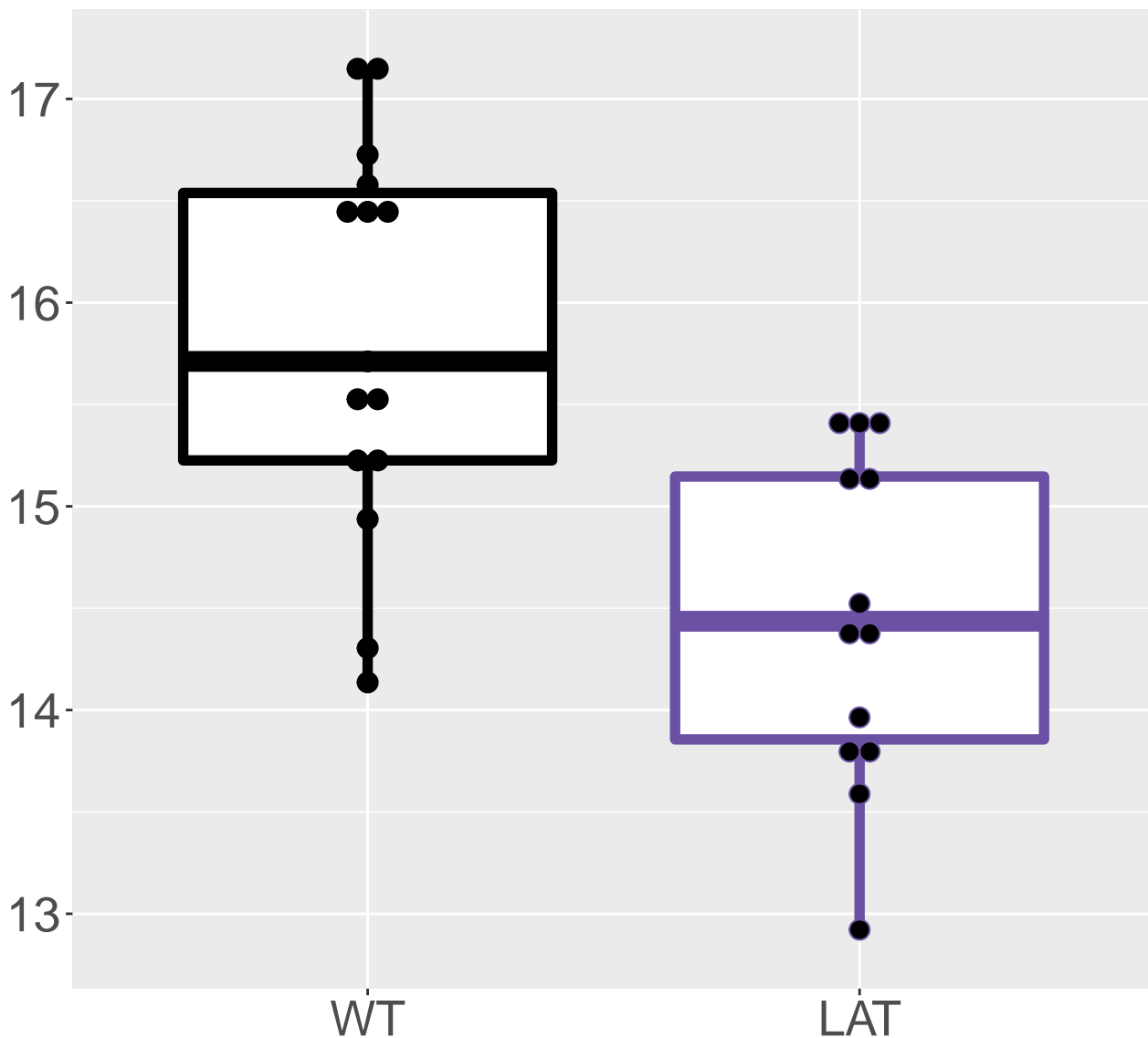


**M127.2437T75.5\_22**  
**FDR = 0.0022, FC = -0.69**

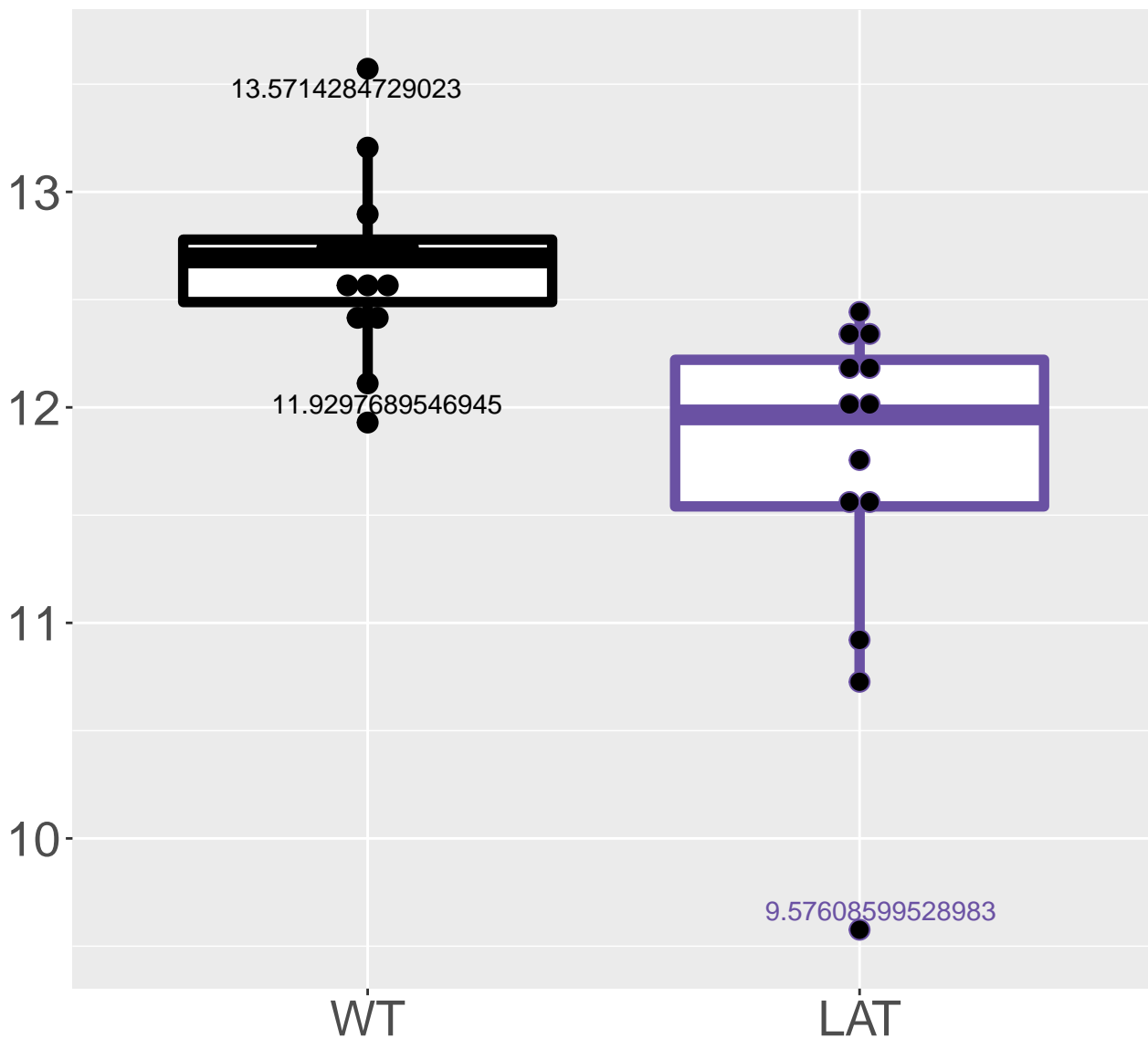


**M454.2539T230.28\_2**

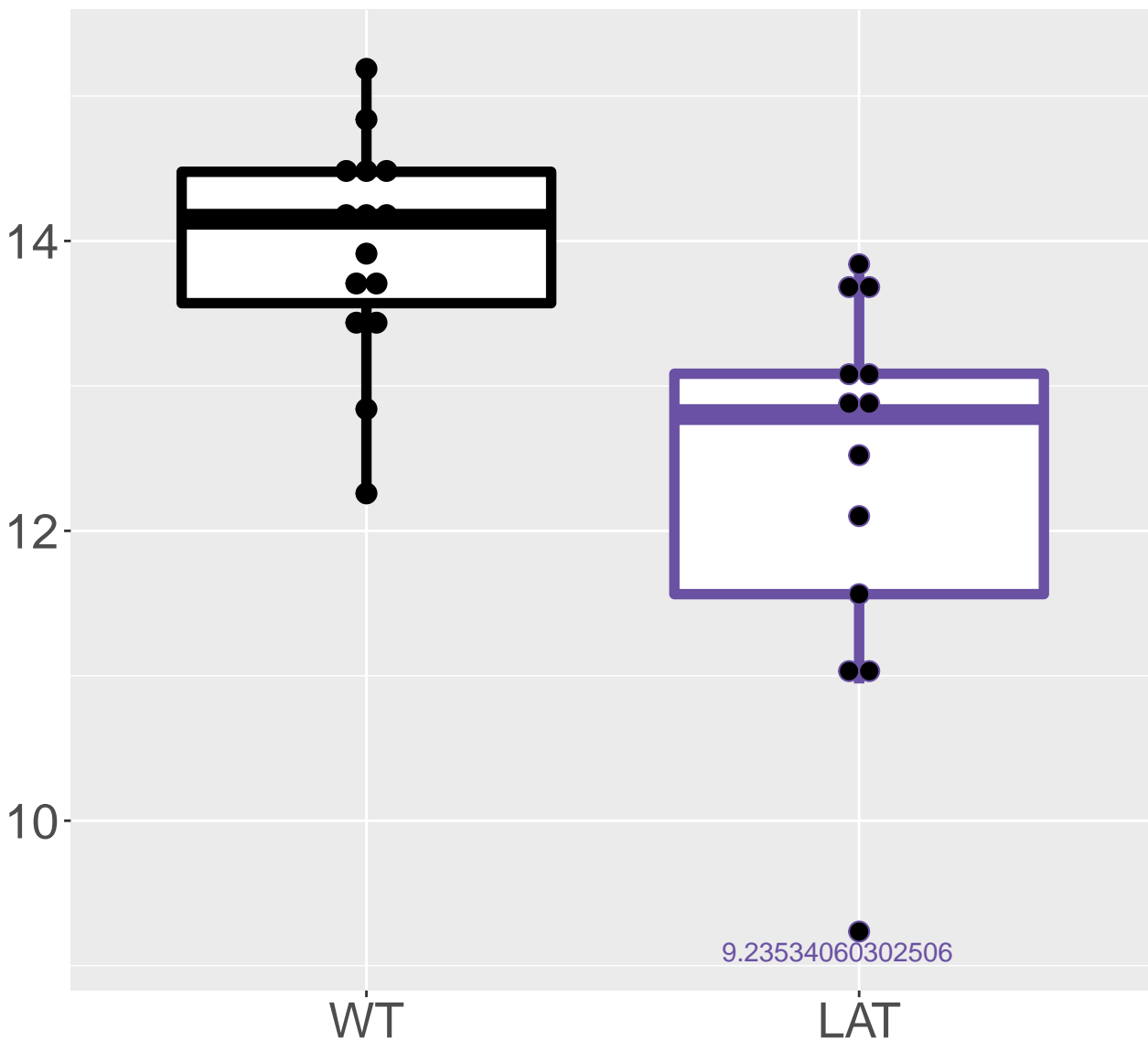
**FDR = 0.0022, FC = -1.4**



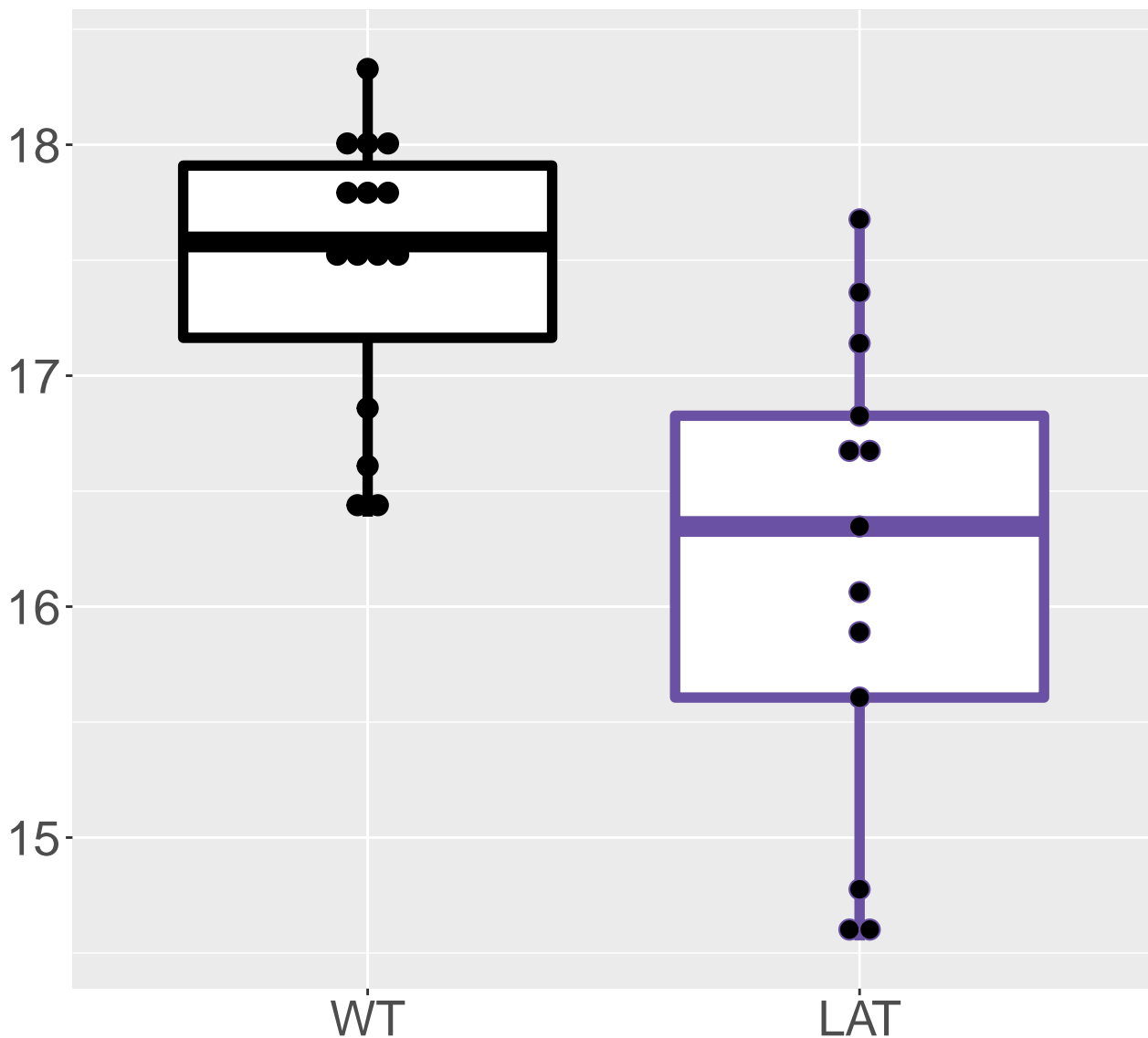
**FDR = 0.0023, FC = -1**



**M535.4983T343.1\_5**  
**FDR = 0.0023, FC = -1.6**

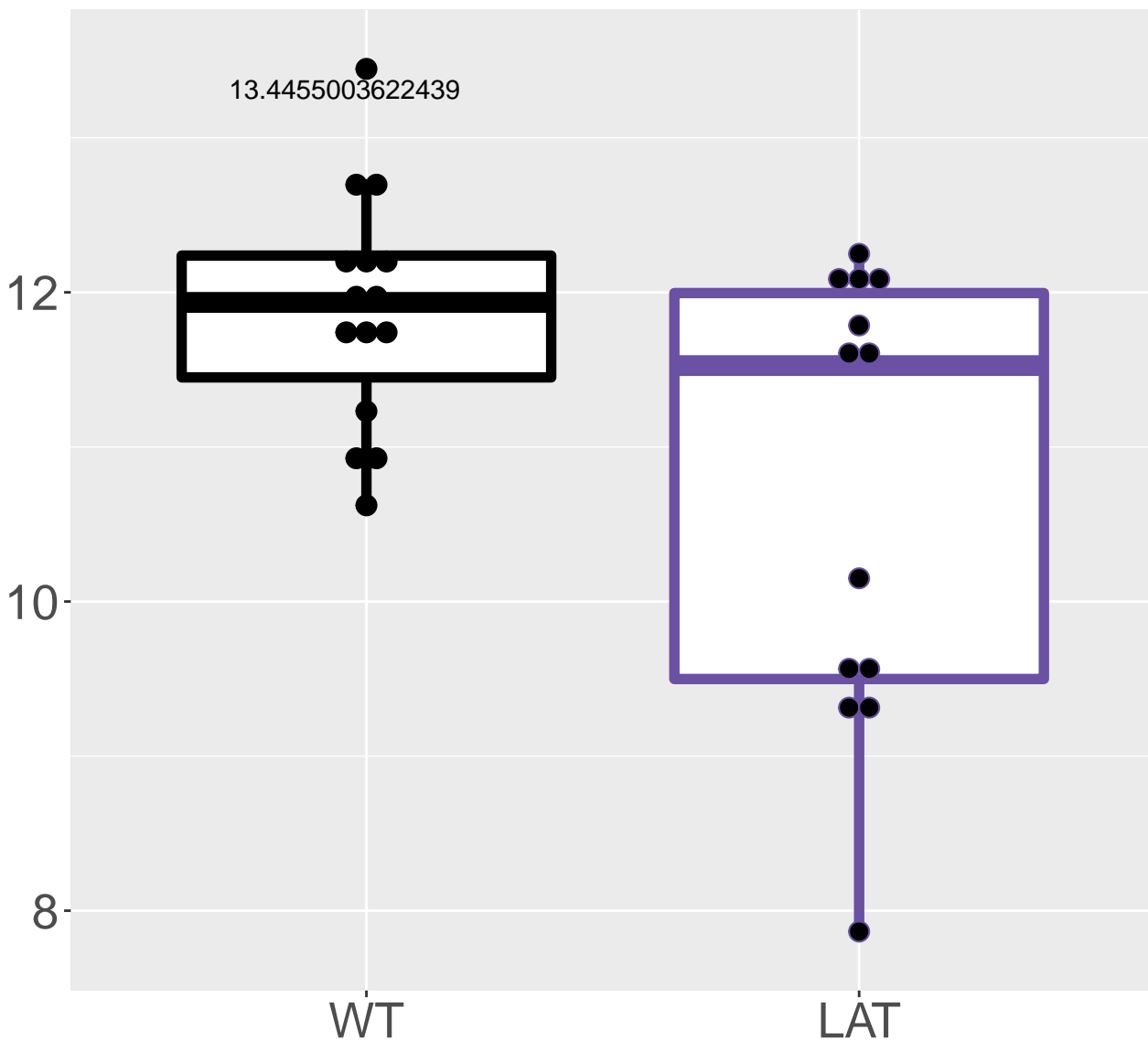


**M131.4834T75.44\_42**  
**FDR = 0.0023, FC = -1.3**



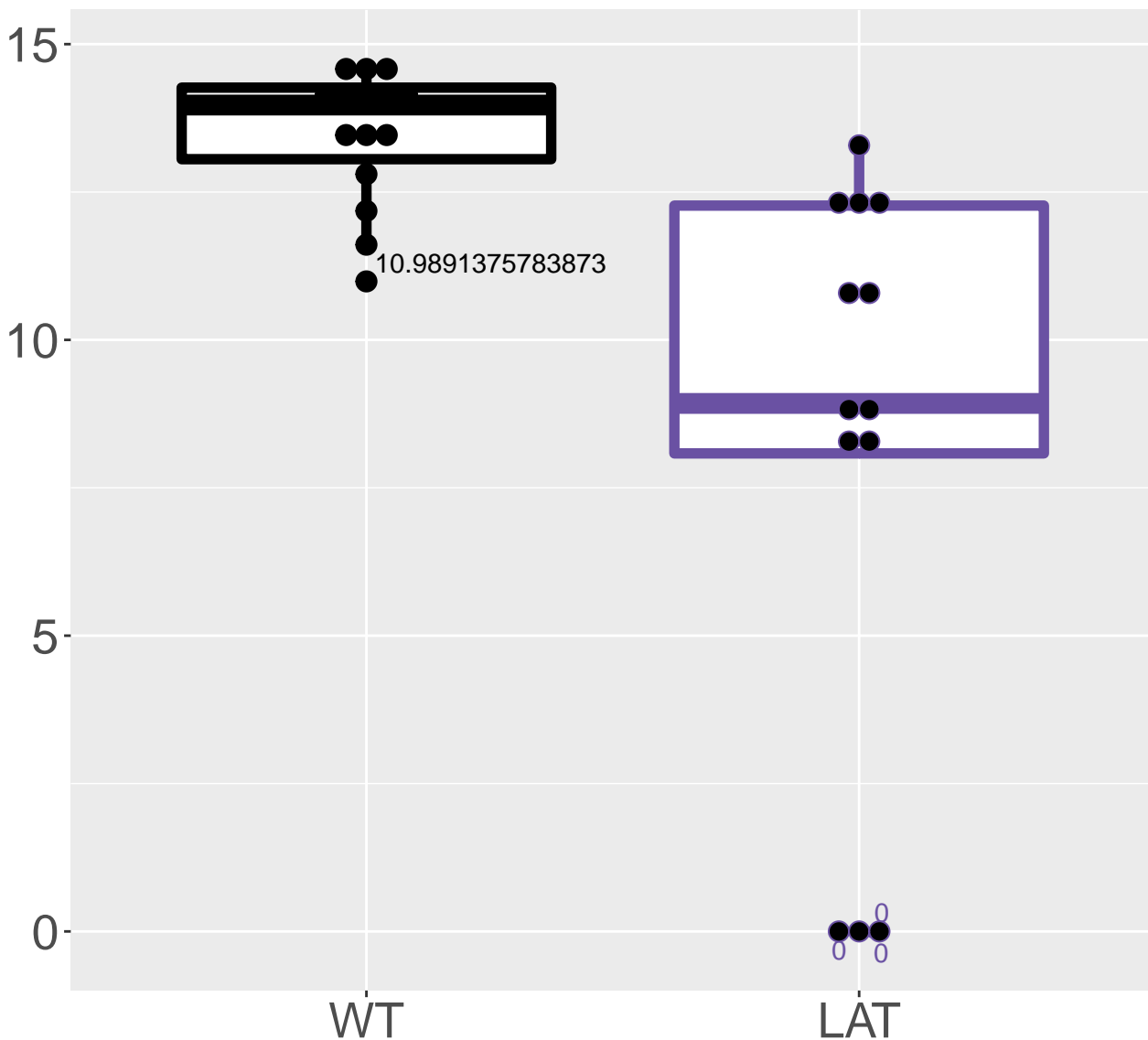
**M336.1209T132.39**

**FDR = 0.0023, FC = -1.2, sex\*\***



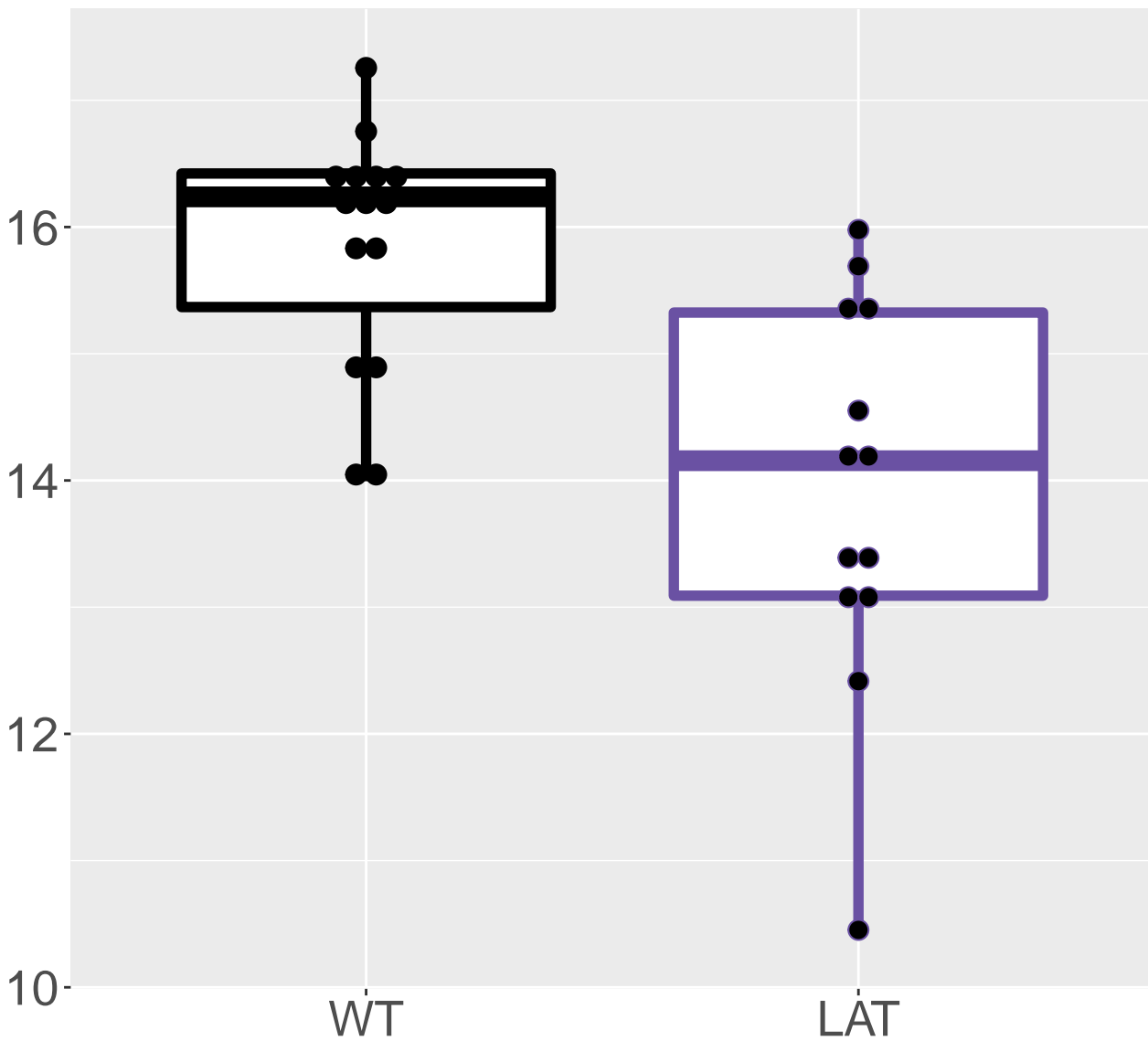
**M615.8226T309.8**

**FDR = 0.0023, FC = -5.3**



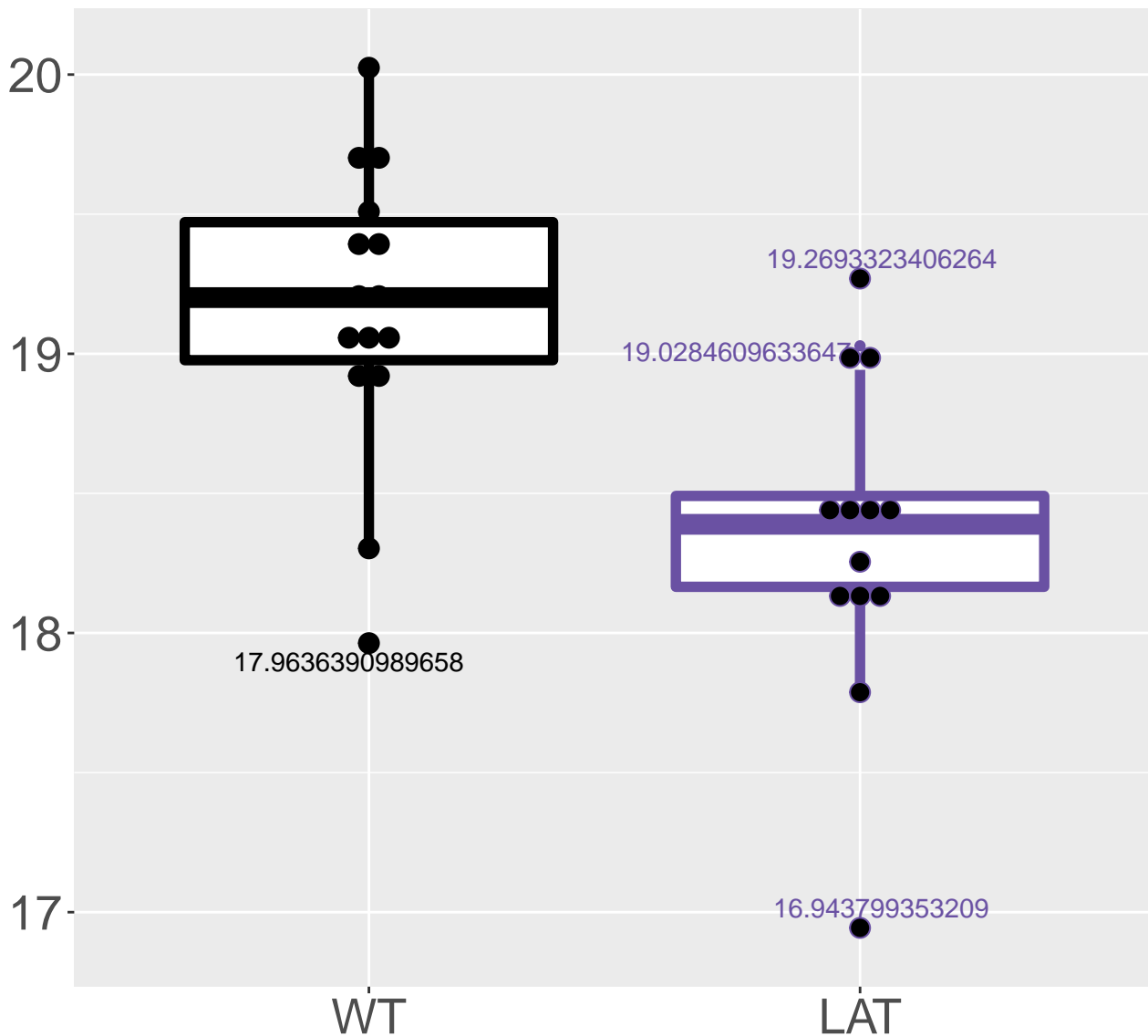
**M539.7937T341.3\_1**

**FDR = 0.0023, FC = -1.9**

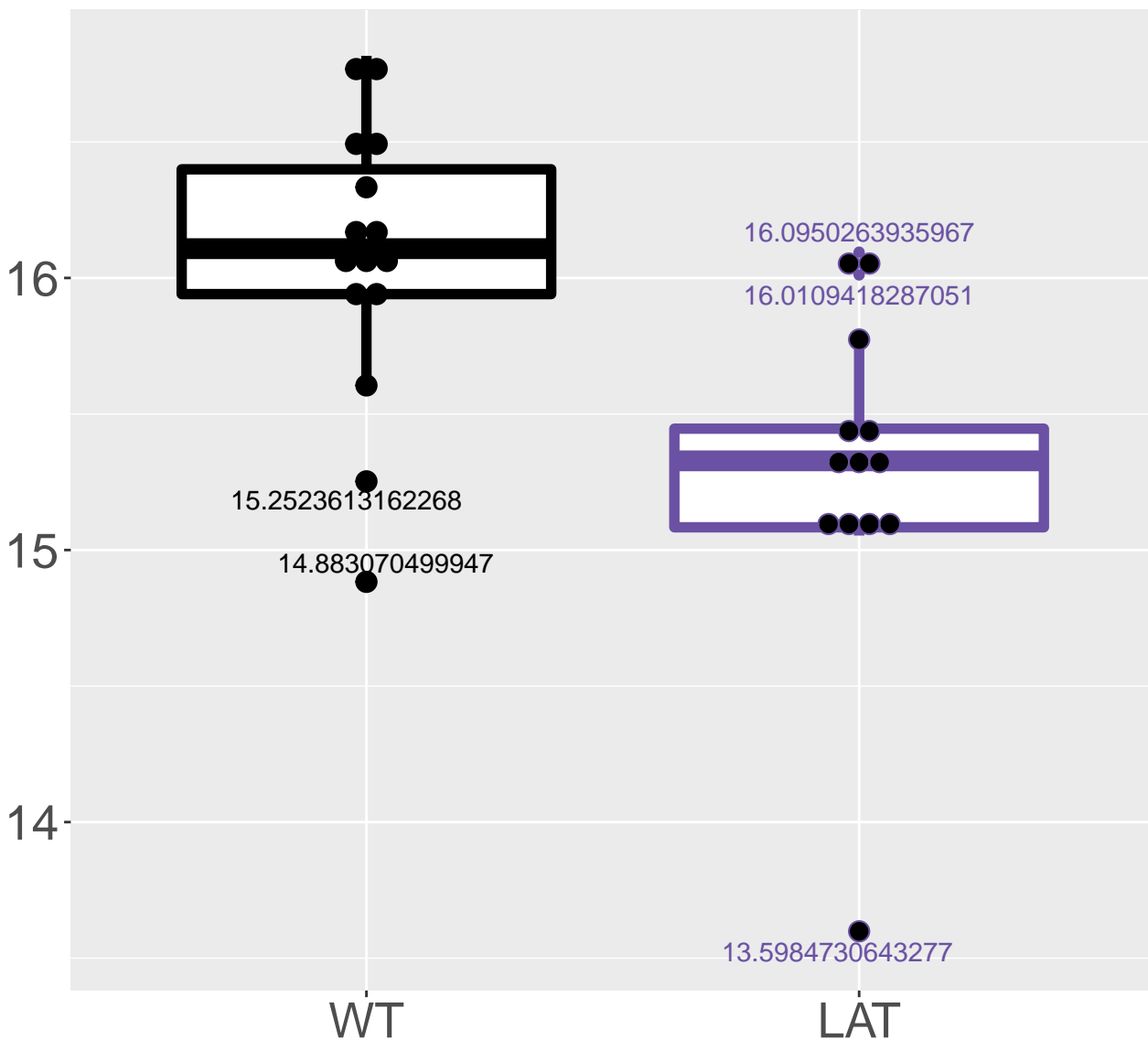




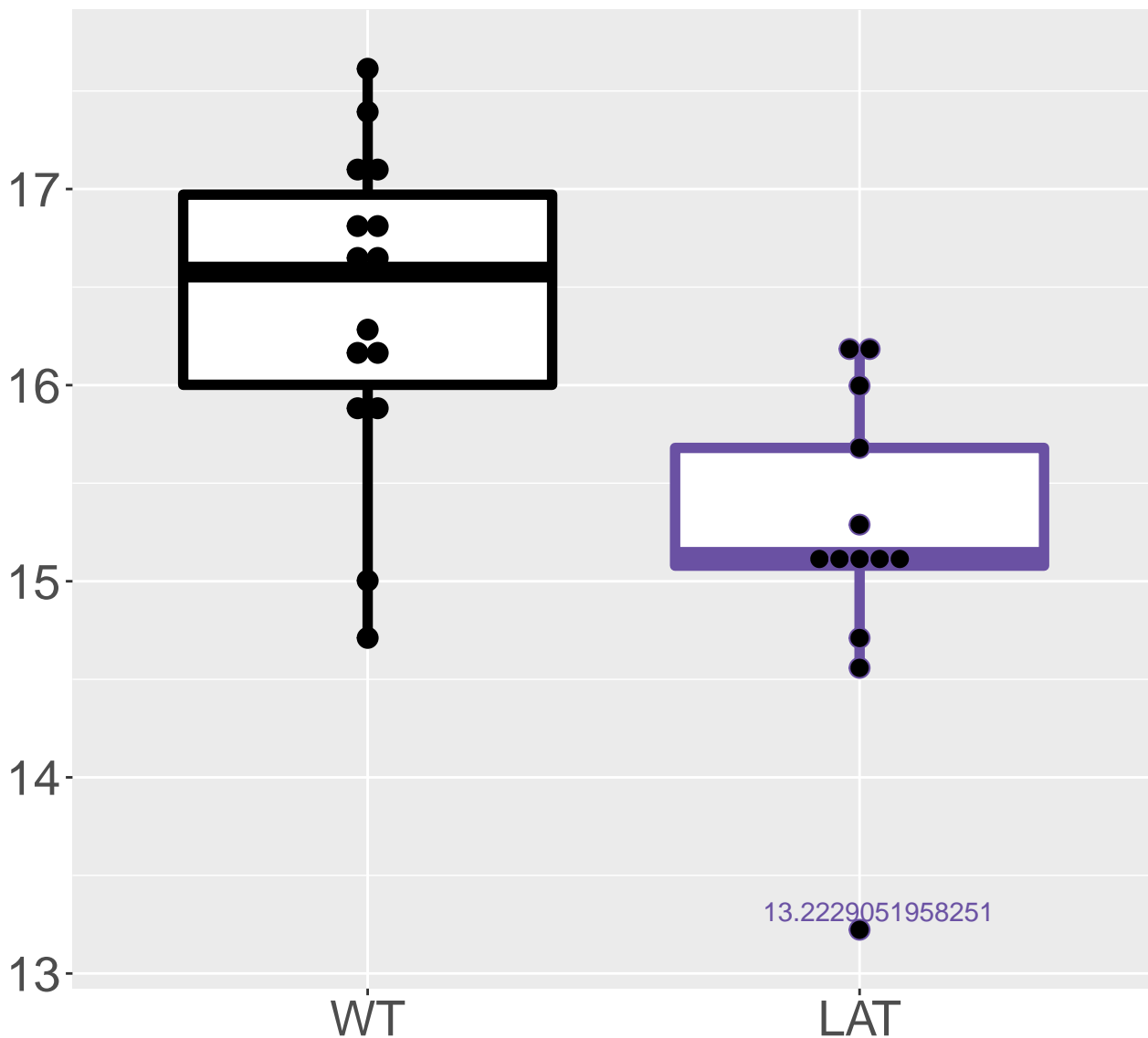
**FDR = 0.0023, FC = -0.82**



**FDR = 0.0023, FC = -0.79**

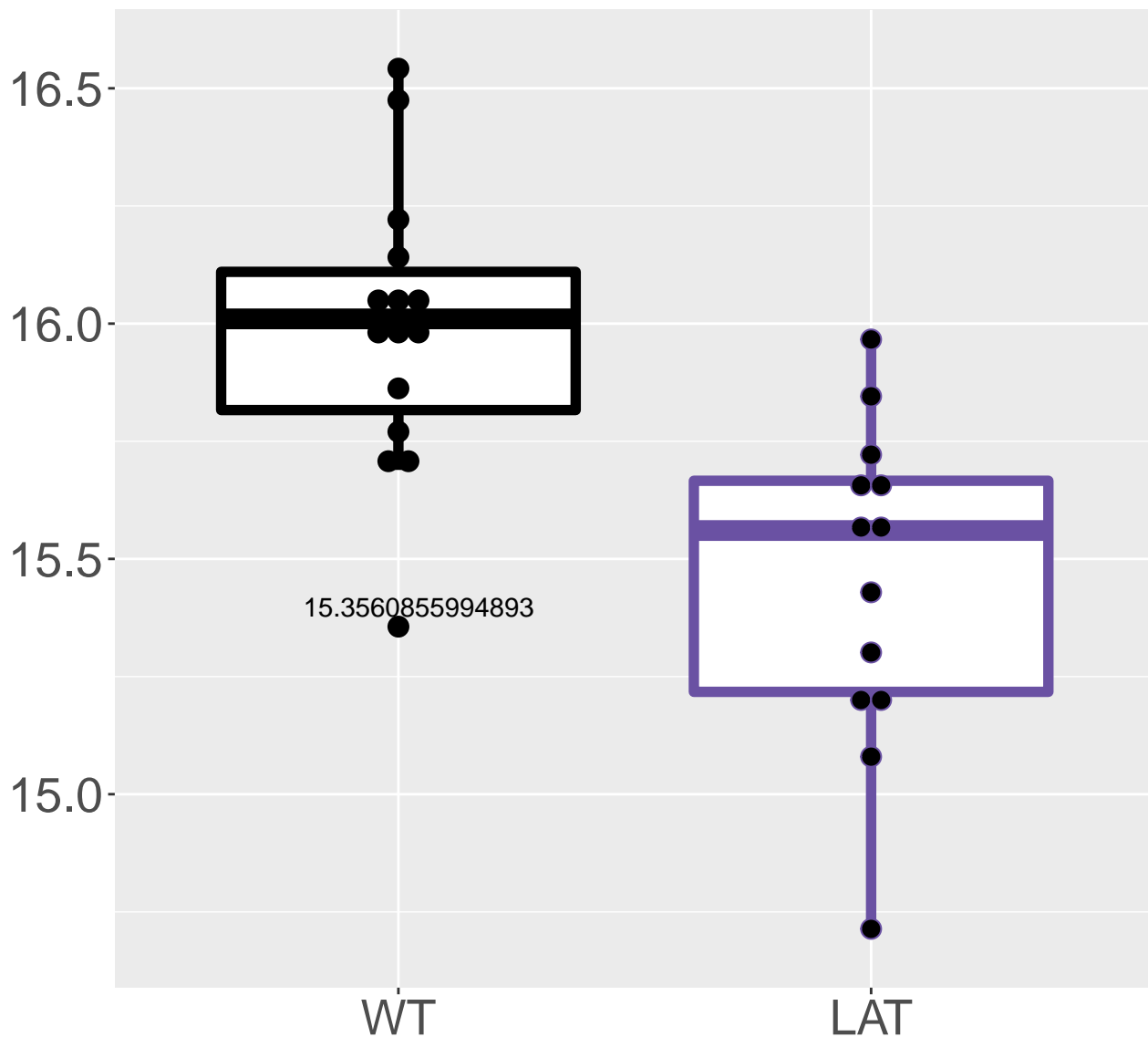


**M534.8969T343.27\_2**  
**FDR = 0.0023, FC = -1.2**



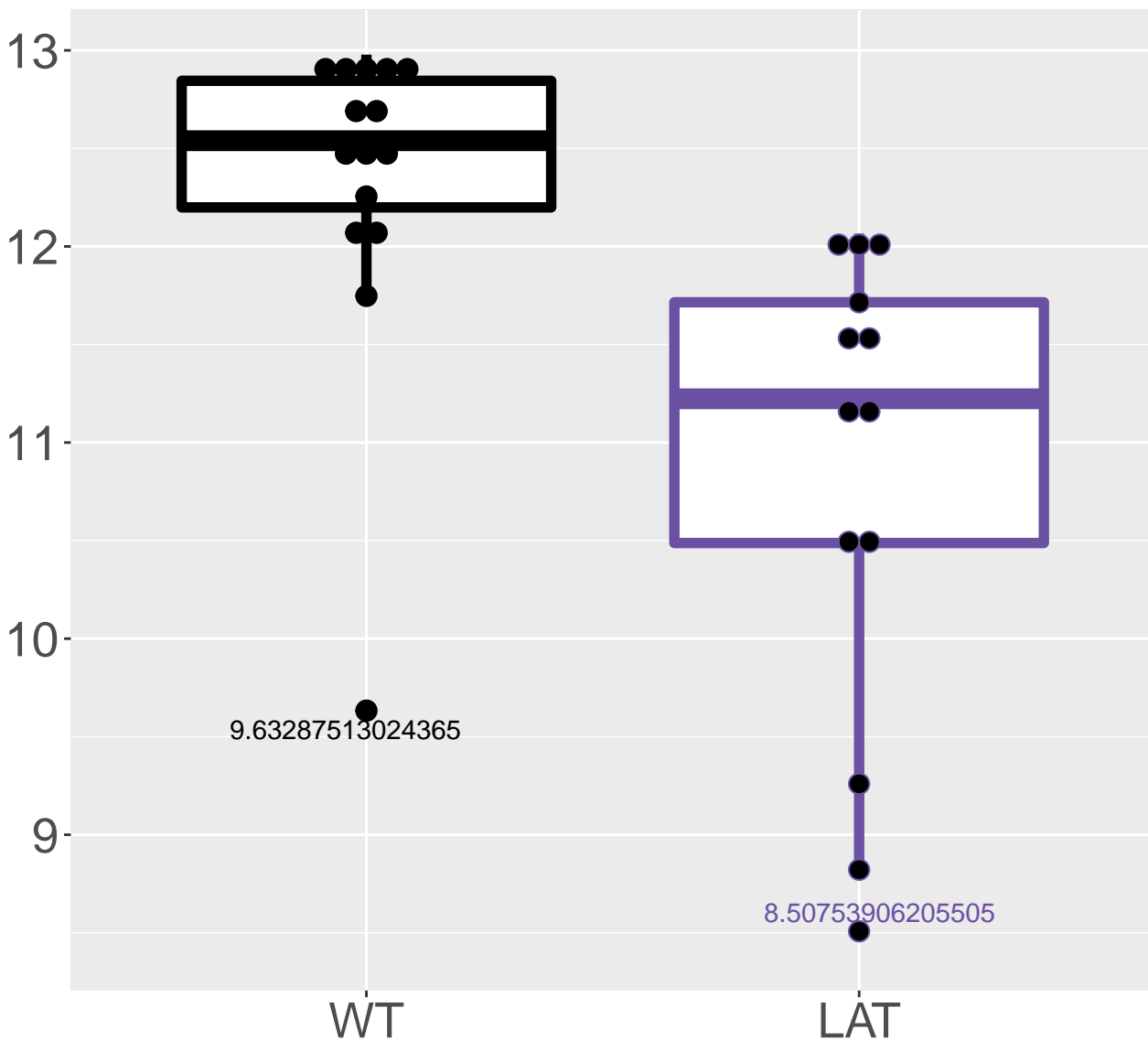
**M159.0527T113.12\_23**

**FDR = 0.0023, FC = -0.54**

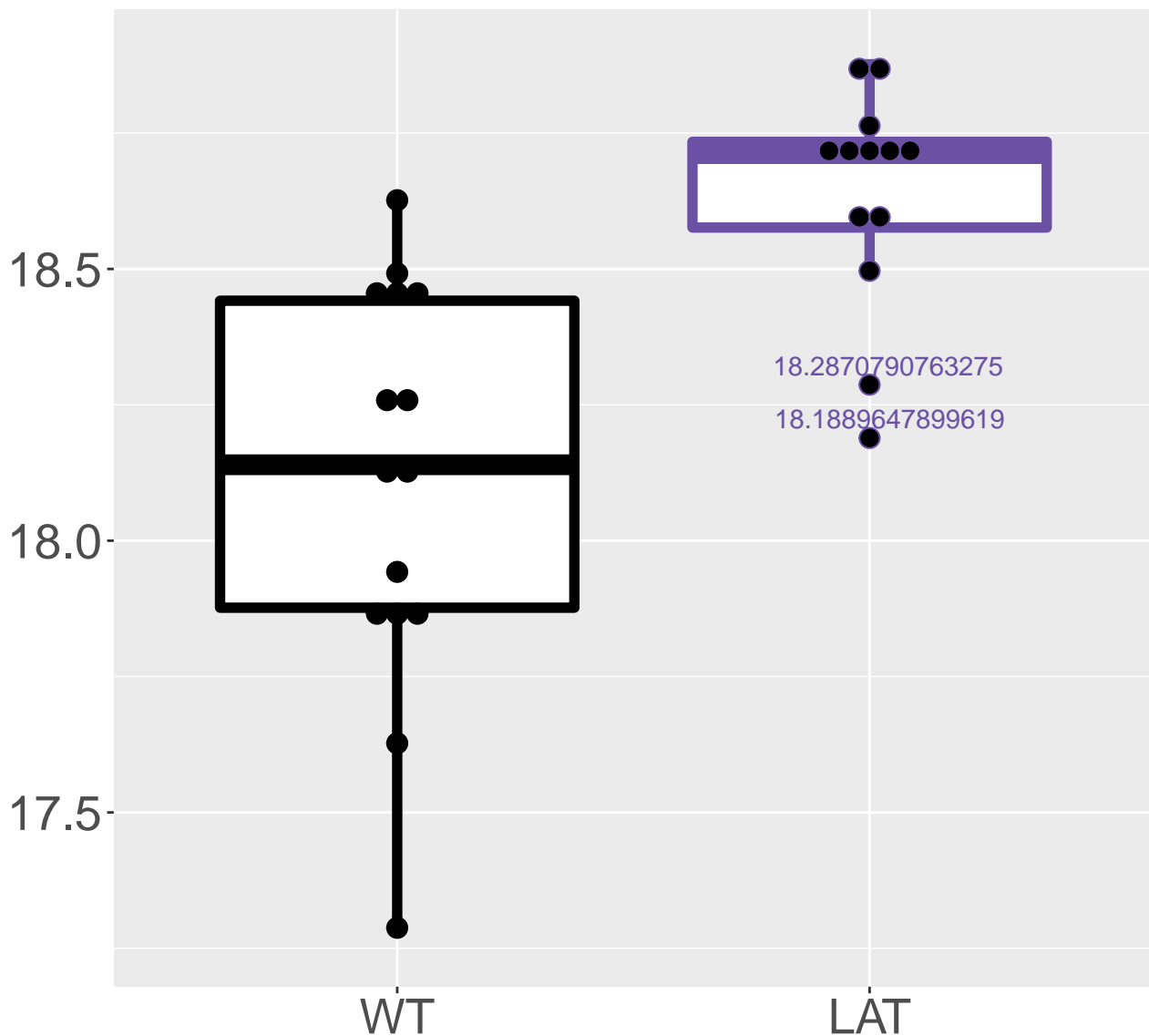


**M454.2337T202.51\_2**

**FDR = 0.0023, FC = -1.5**

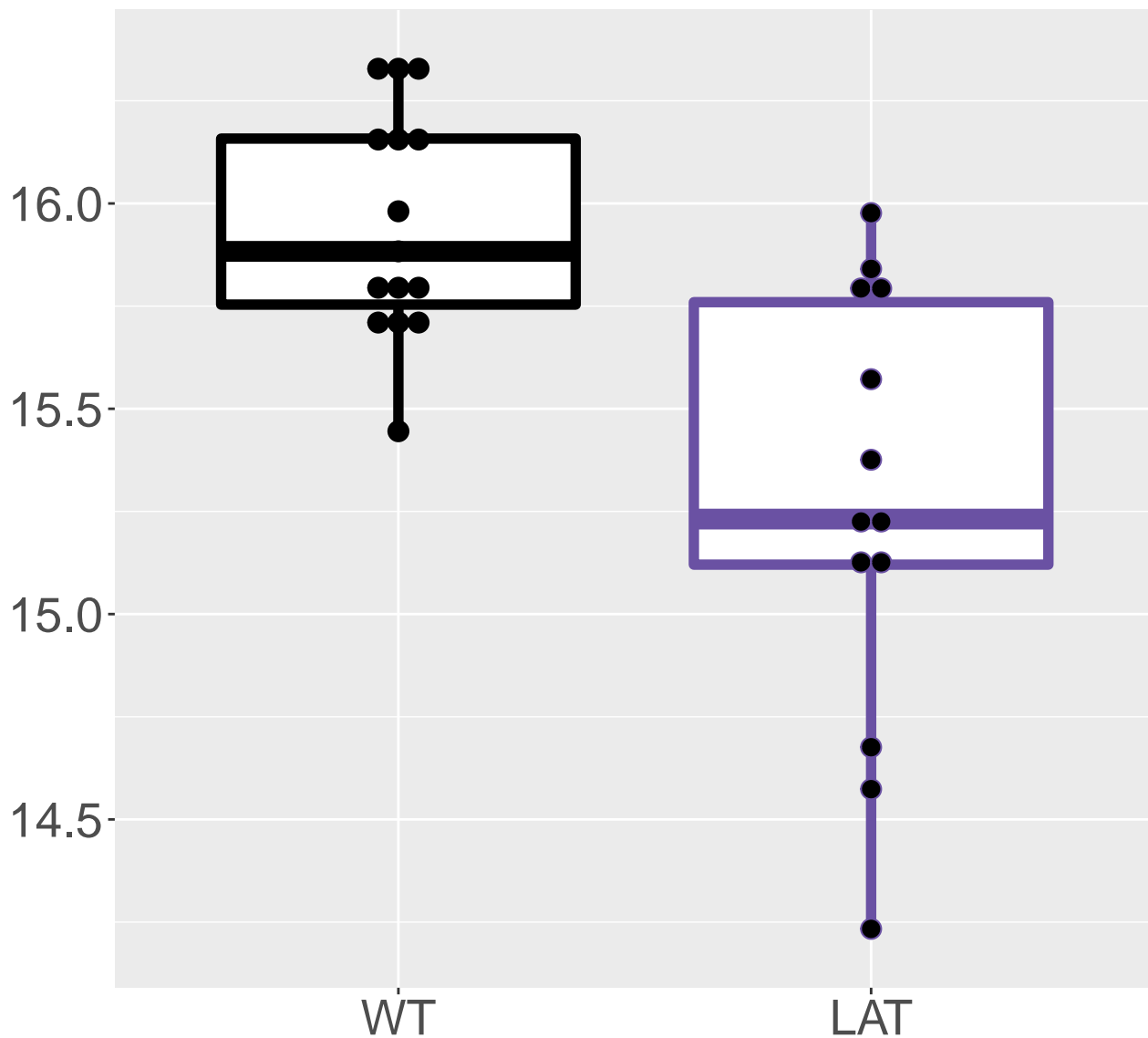


**M308.1804T247.03\_1**  
**FDR = 0.0023, FC = 0.52**



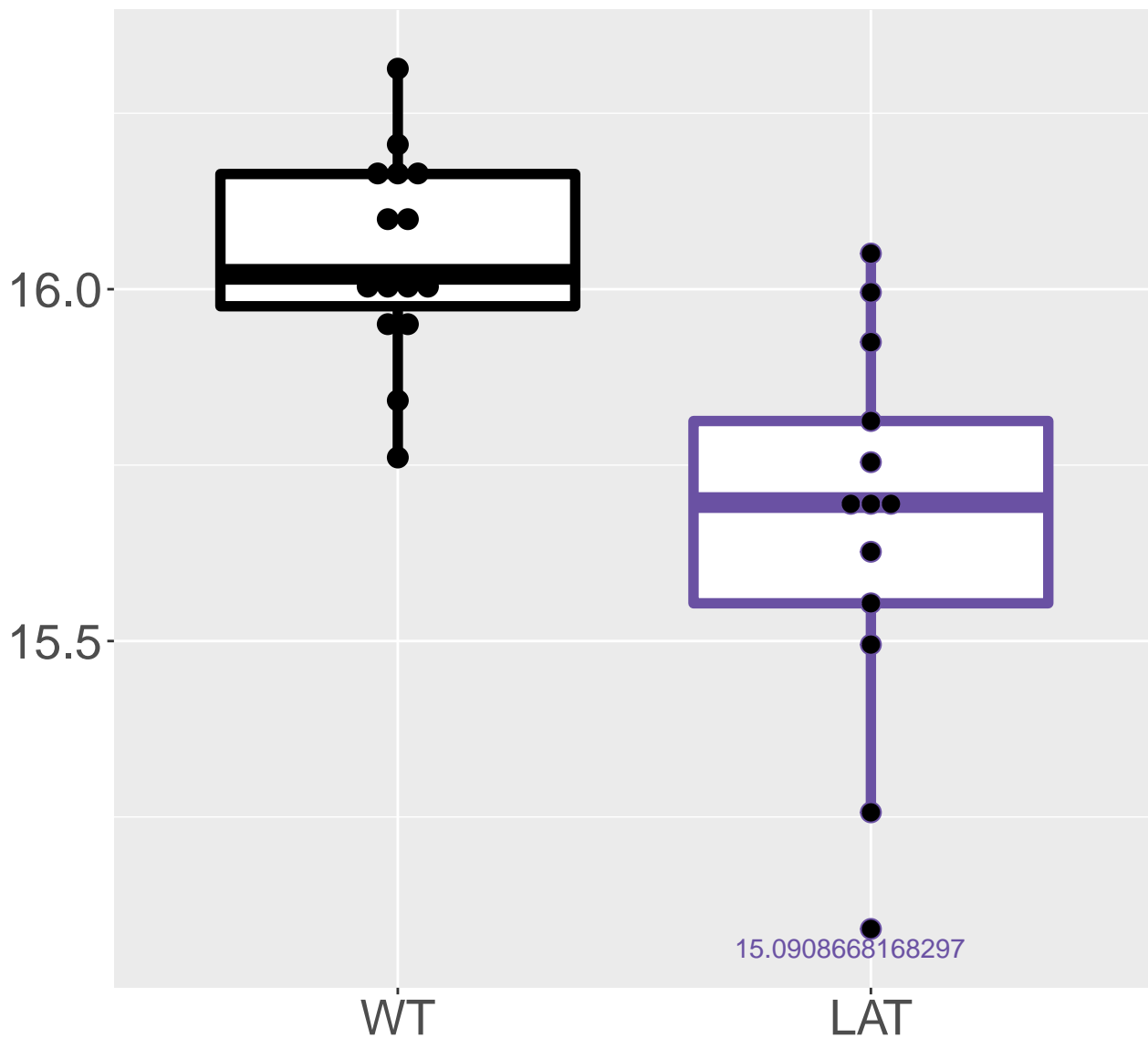
**M520.0377T272.43**

**FDR = 0.0024, FC = -0.68**



**M344.9854T43.45**

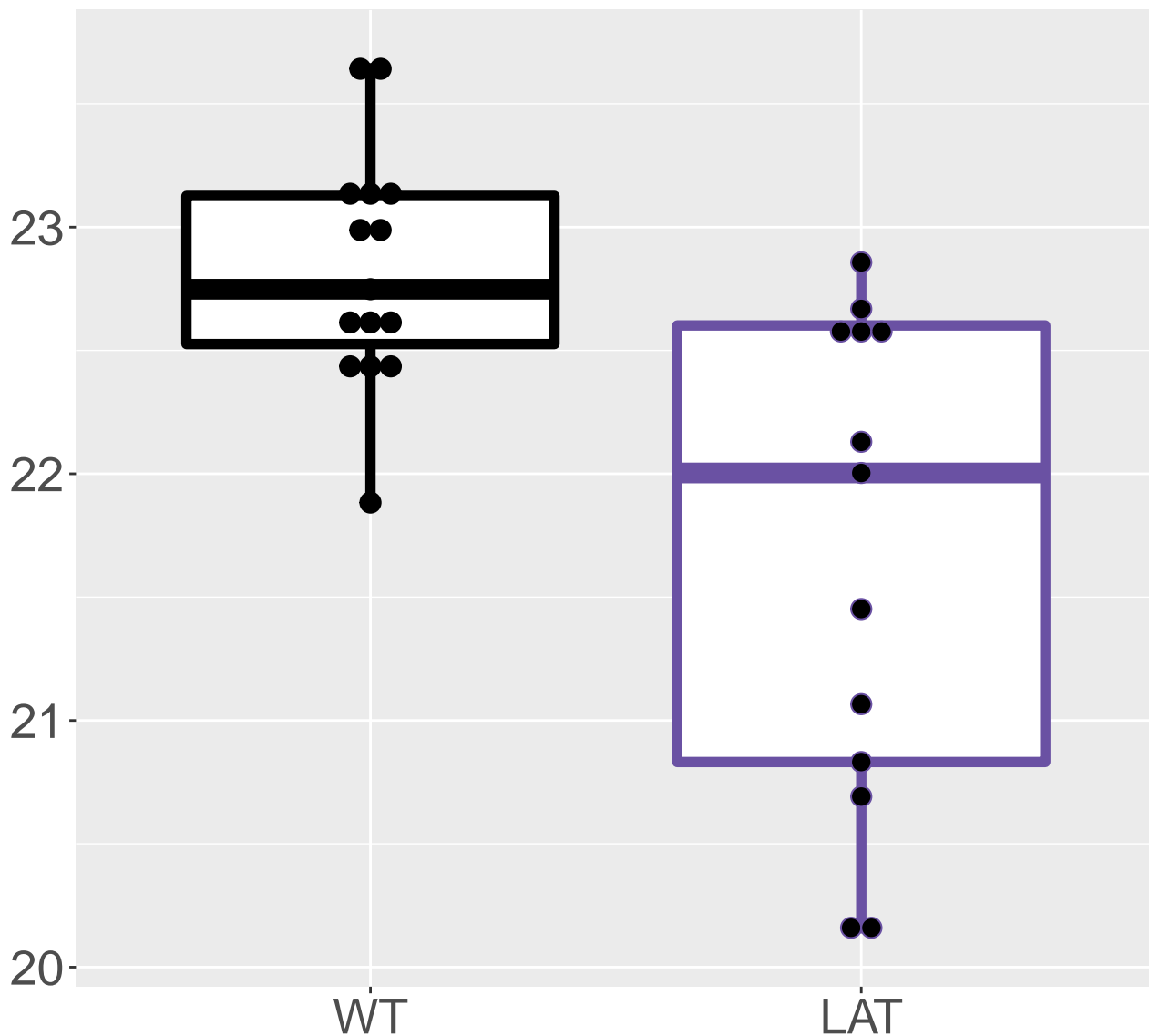
**FDR = 0.0024, FC = -0.38**



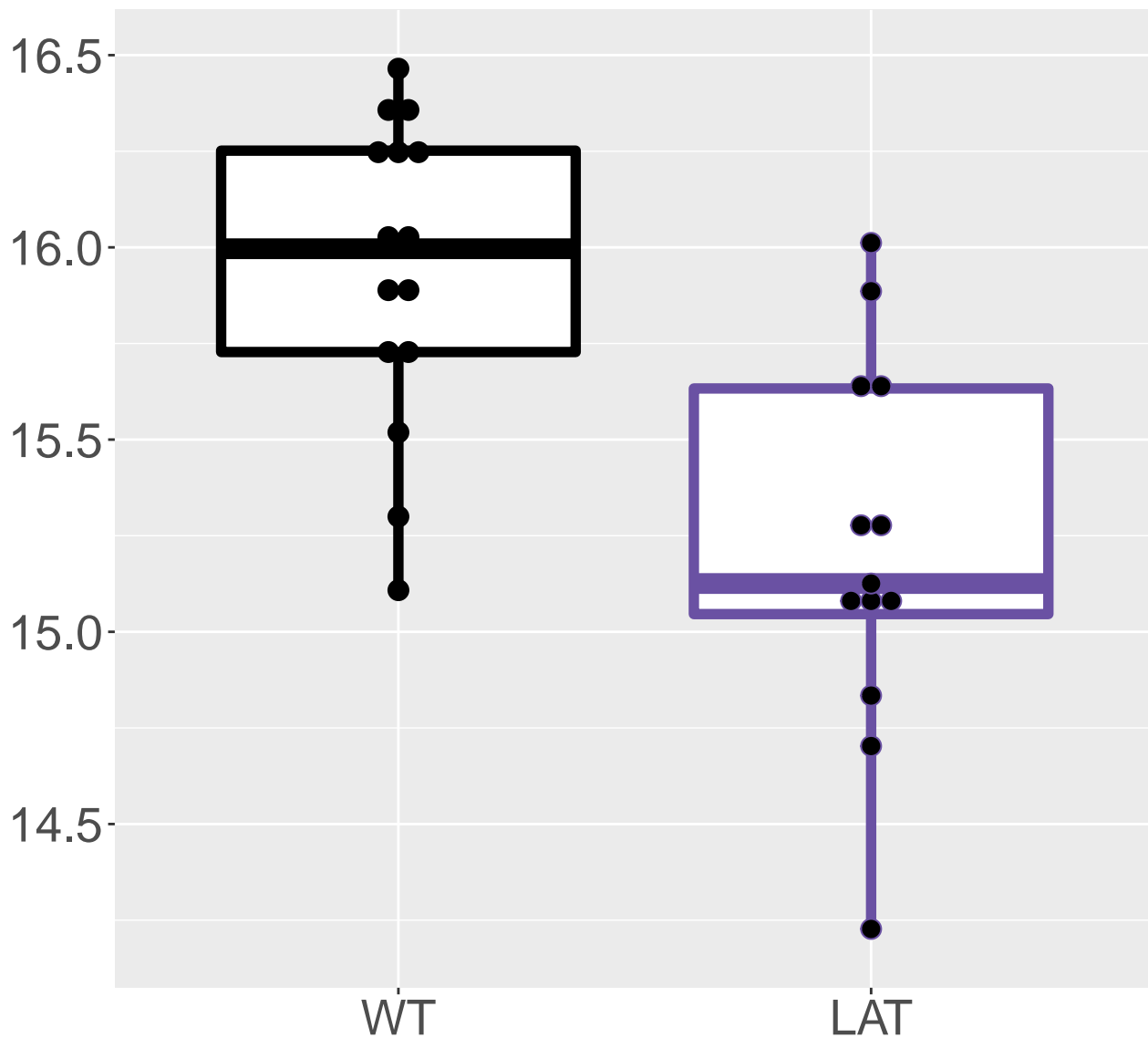


**M273.0854T60.95**

**FDR = 0.0024, FC = -1.2**

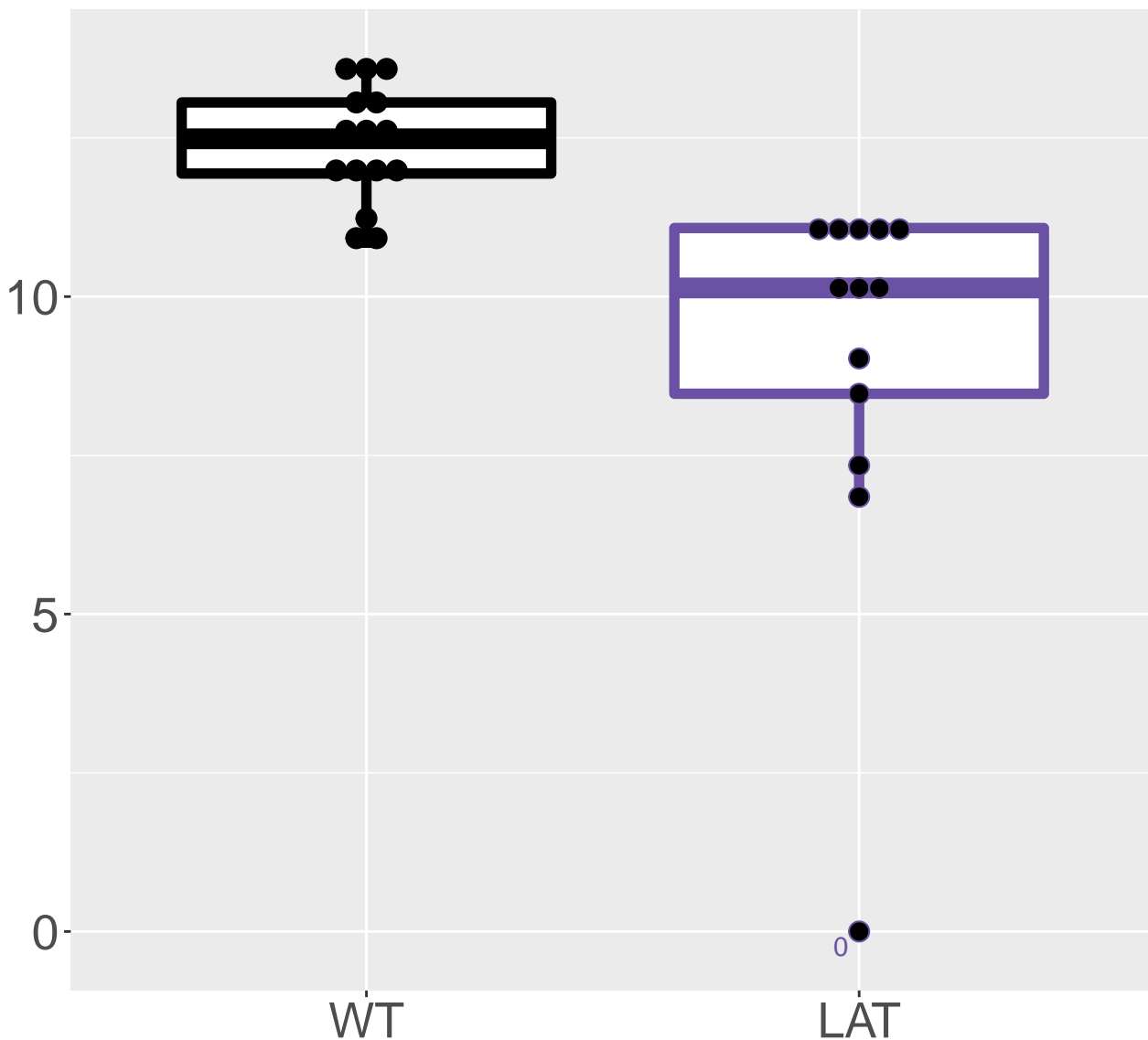


**M160.668T113.16\_8**  
**FDR = 0.0024, FC = -0.72**



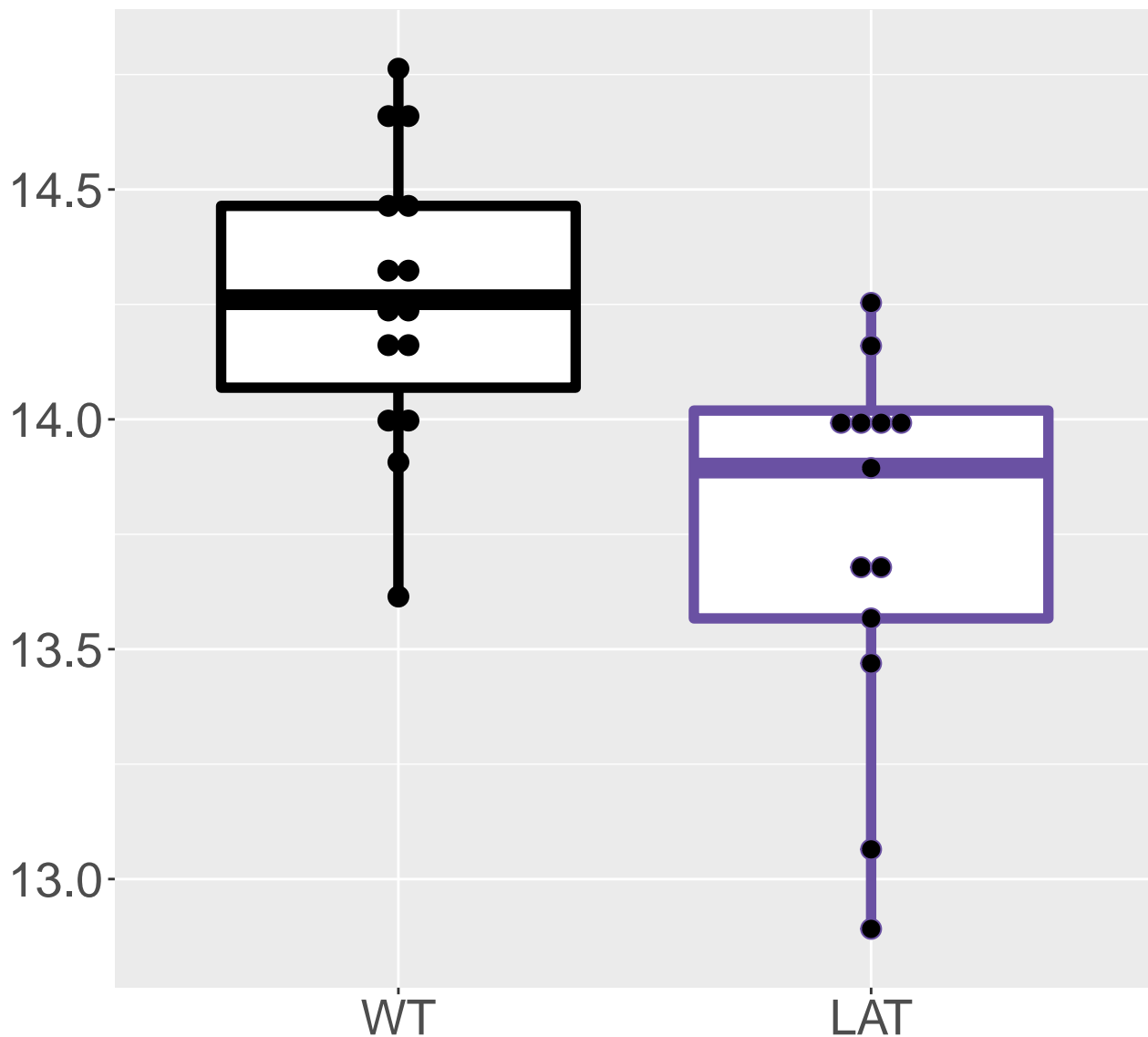
**M450.2633T253.48**

**FDR = 0.0024, FC = -3.4**

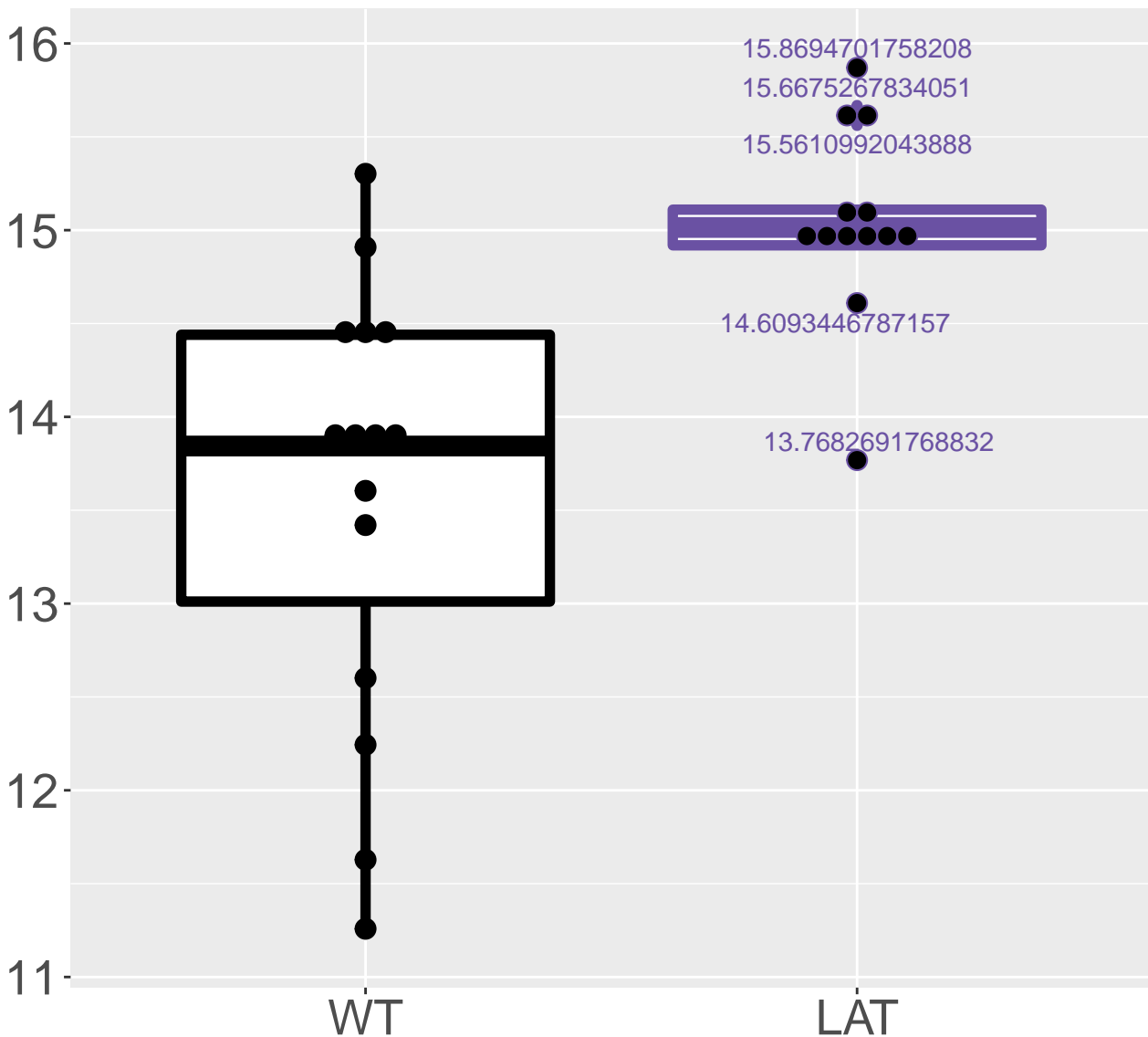


**M578.9314T297.69\_4**

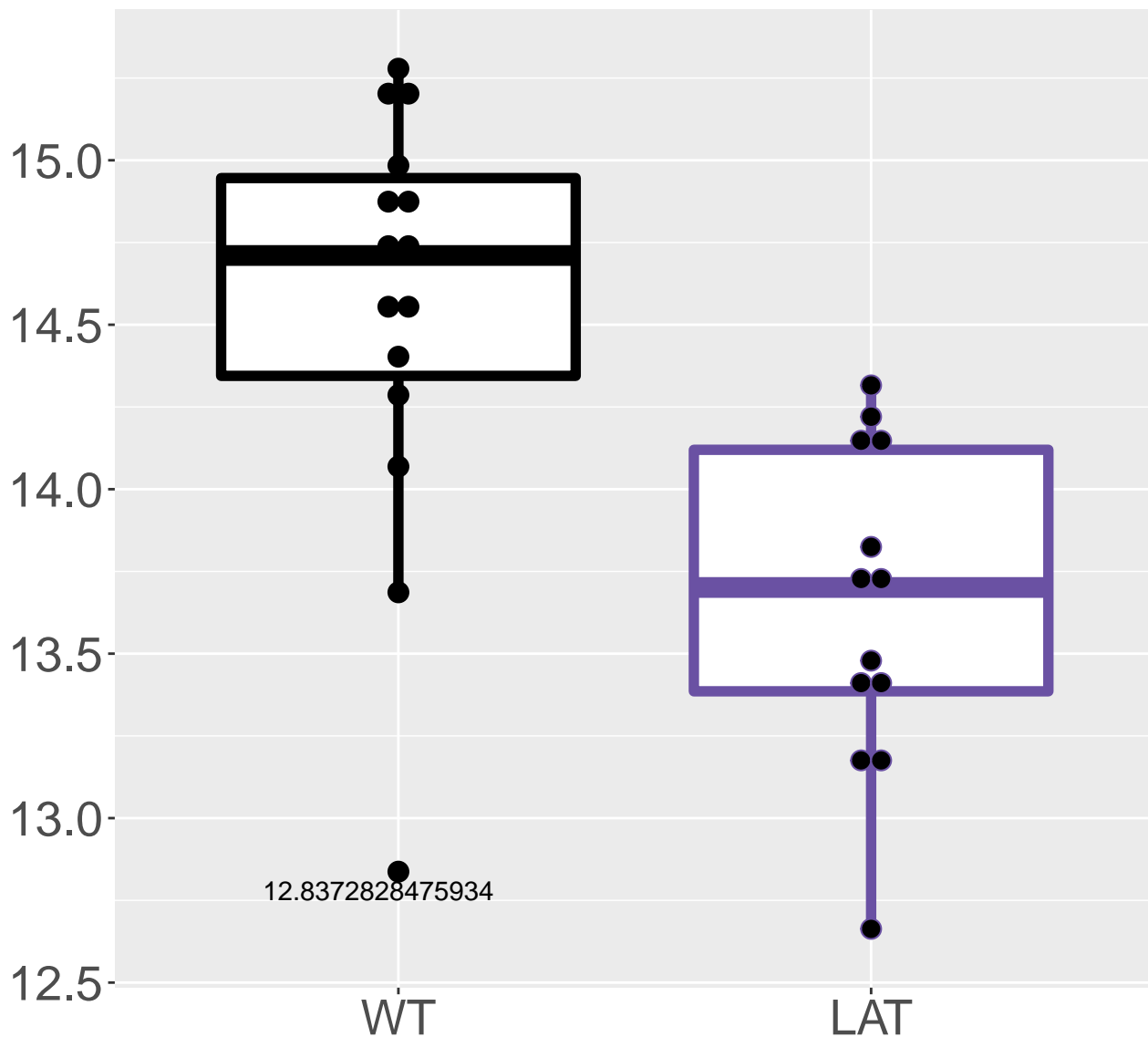
**FDR = 0.0024, FC = -0.52, sex\***



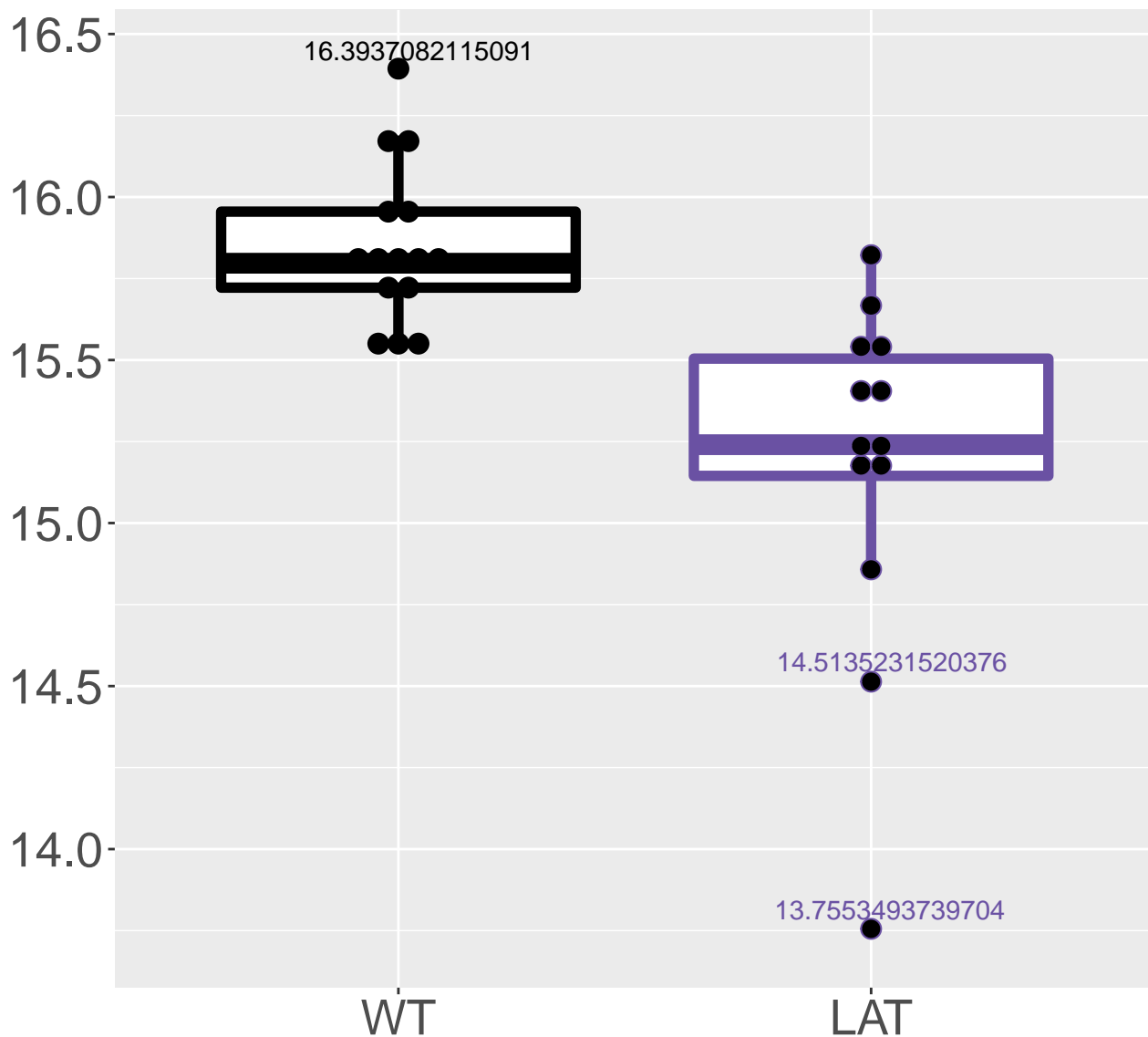
**M750.6055T319.98\_1**  
**FDR = 0.0024, FC = 1.4**



**M922.172T377.53\_1**  
**FDR = 0.0024, FC = -0.9**

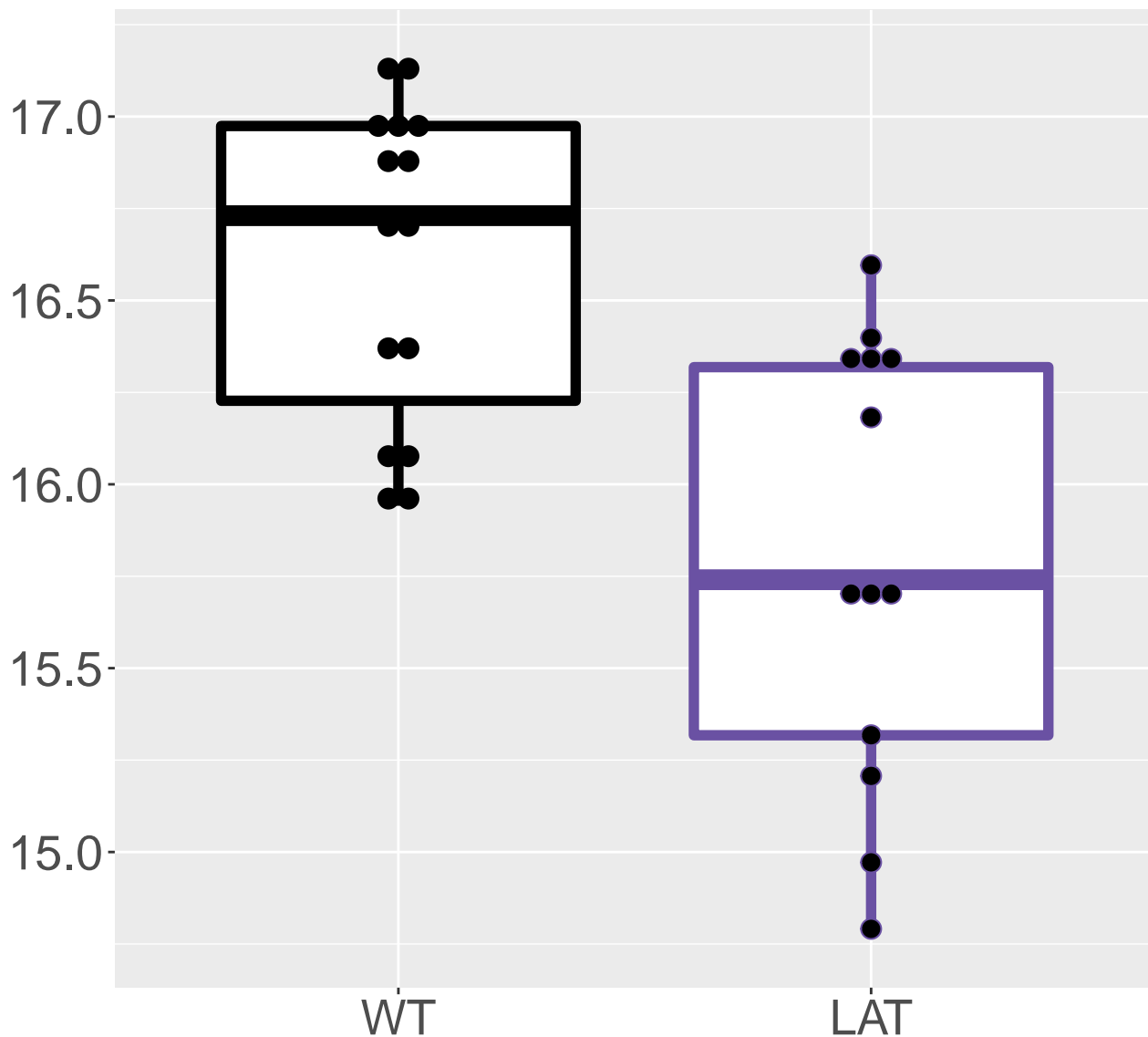


**M155.7534T113.23\_9**  
**FDR = 0.0024, FC = -0.67**



**M127.8727T75.45\_20**

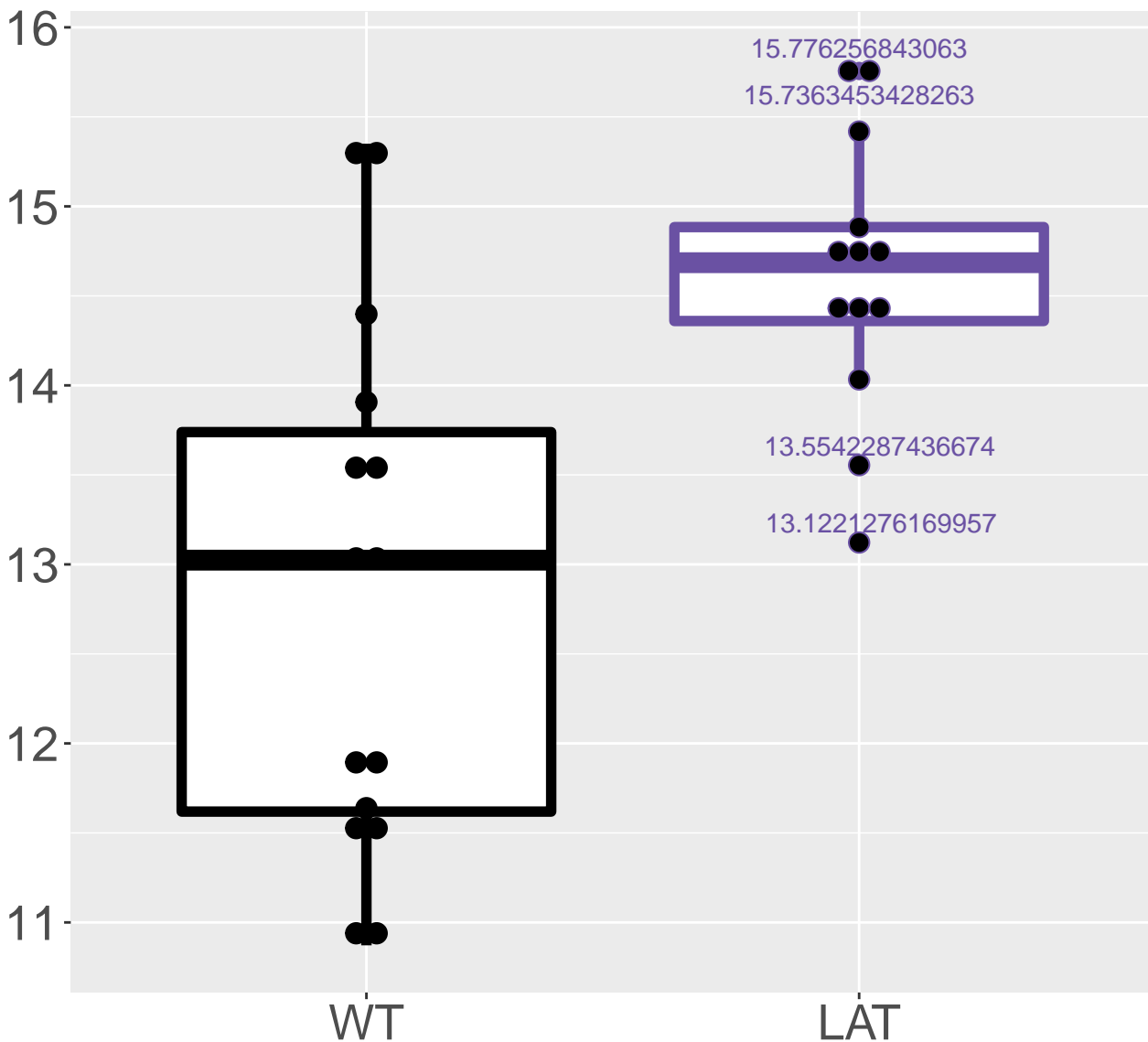
**FDR = 0.0024, FC = -0.8**





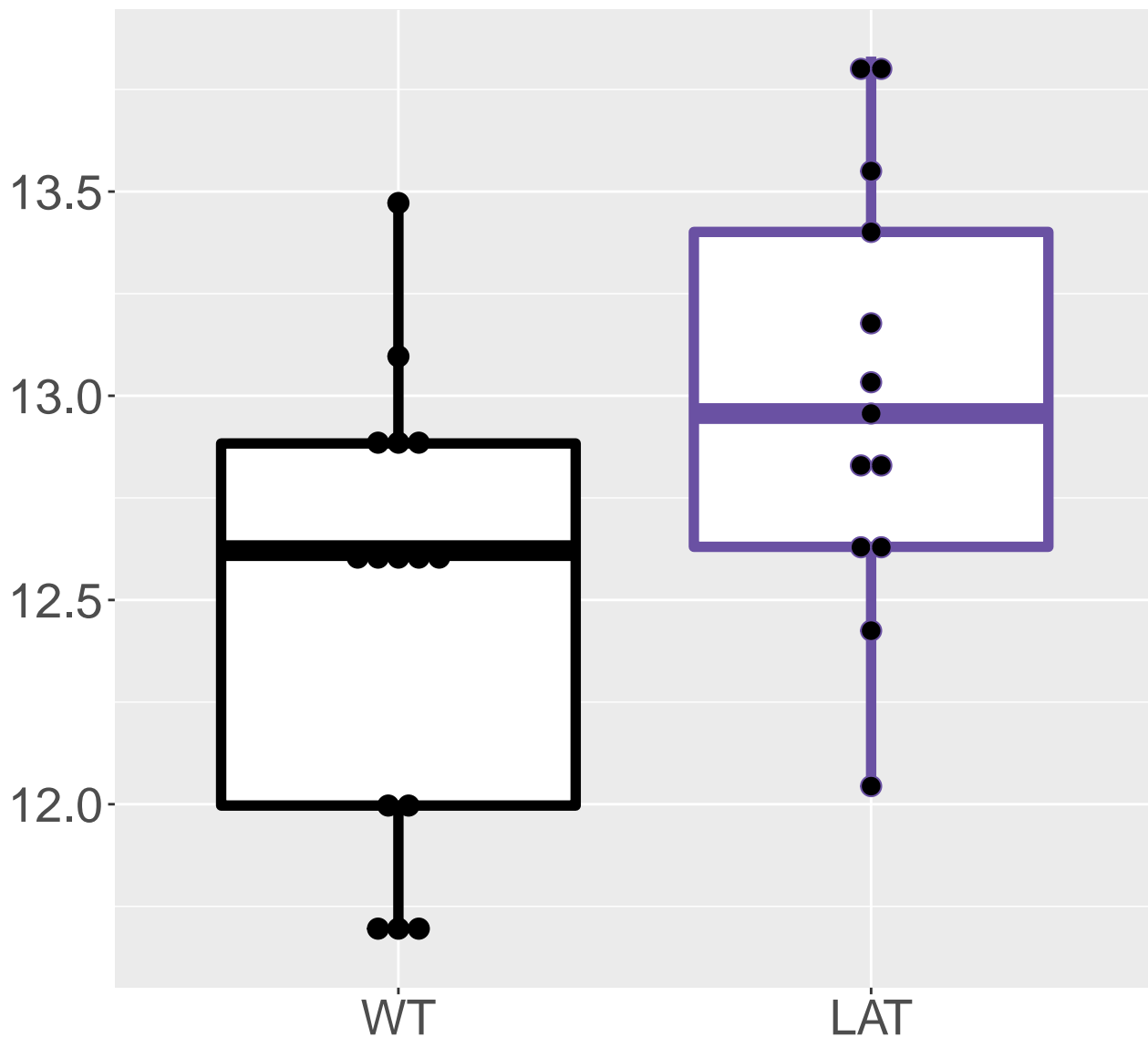
**M266.09T255.75\_1**

**FDR = 0.0024,  $\overline{FC} = 1.8$**



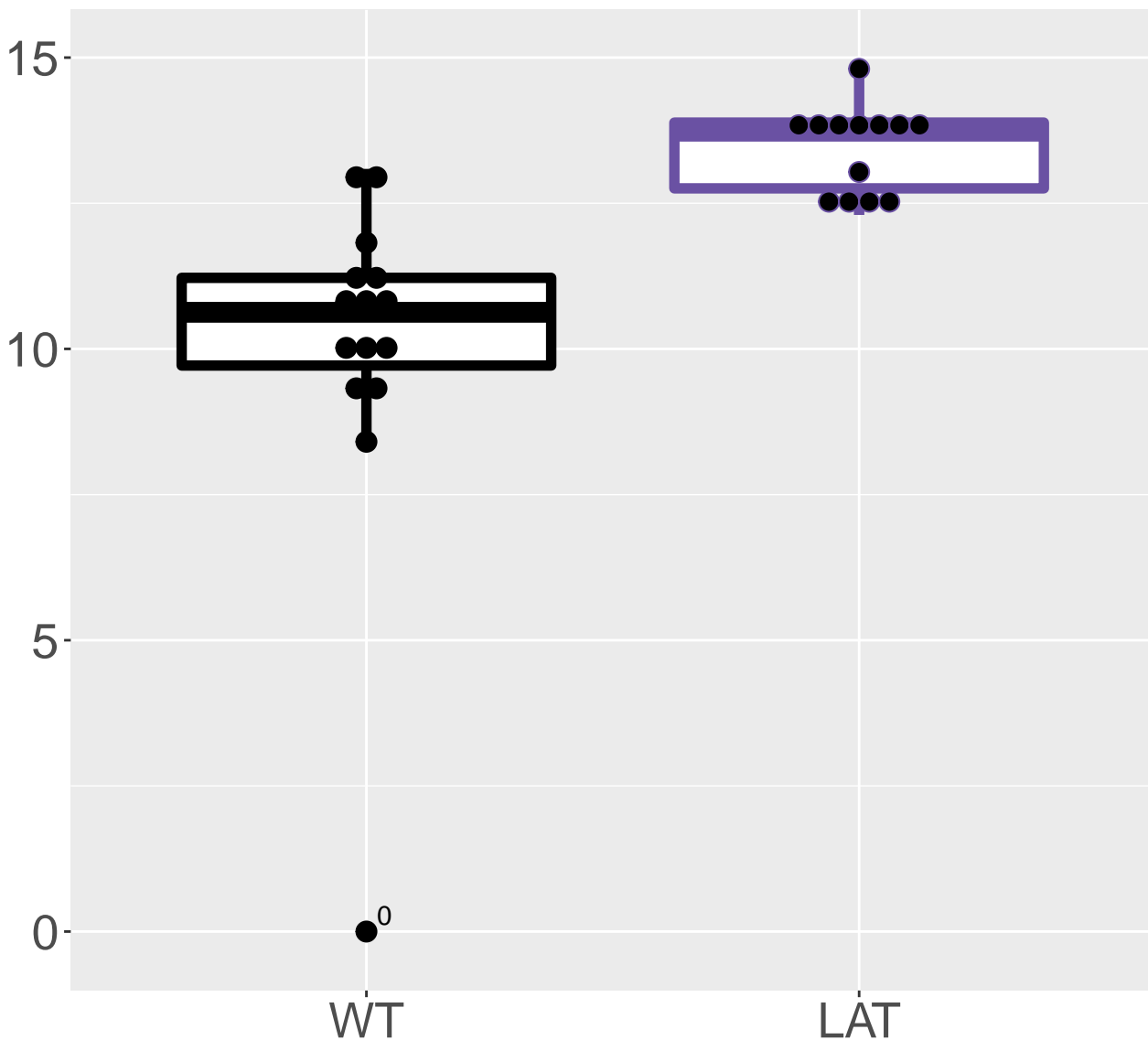
**M607.6119T333.22**

**FDR = 0.0024, FC = 0.52, sex\*\*\***

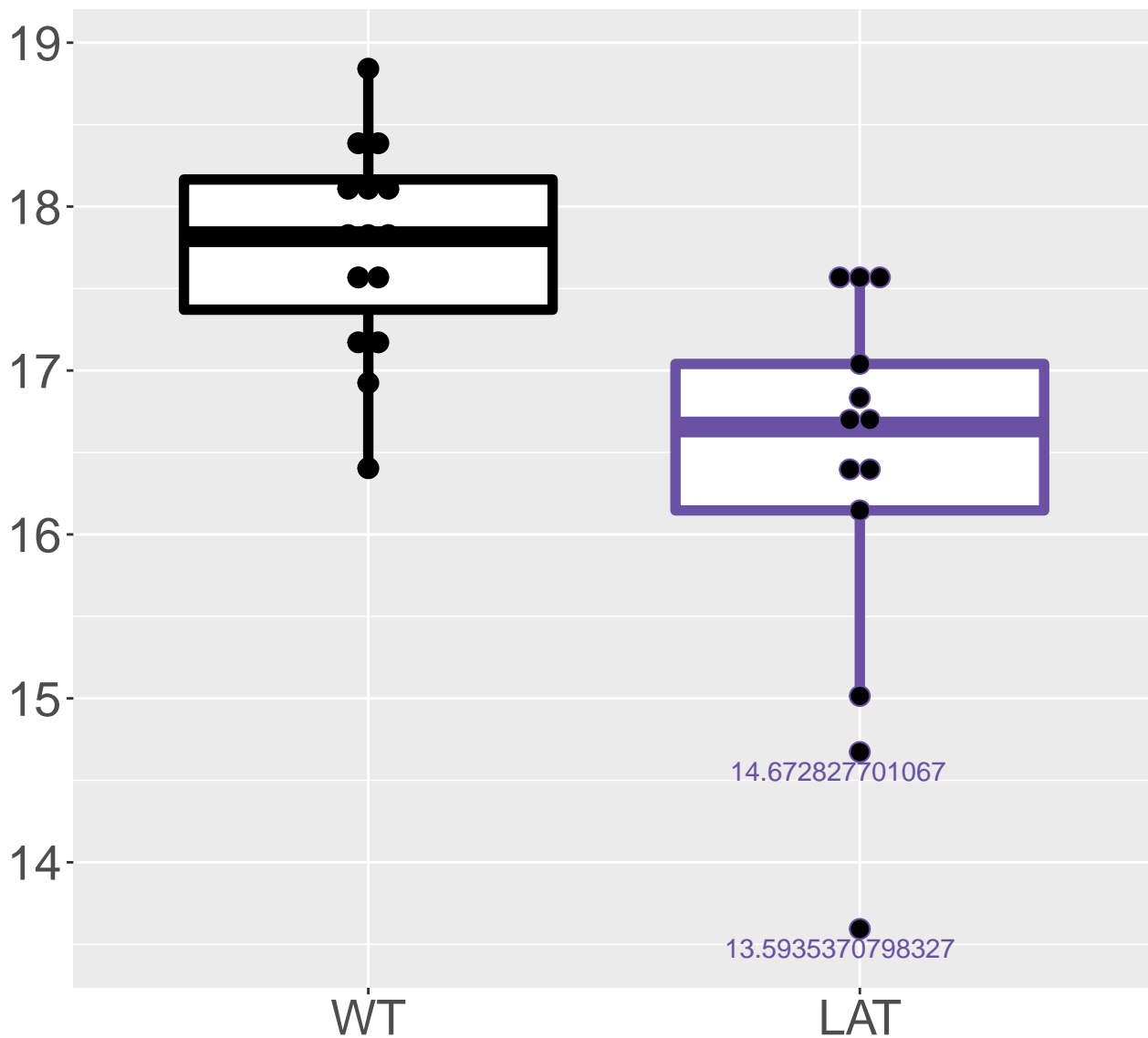


**M605.269T103.58**

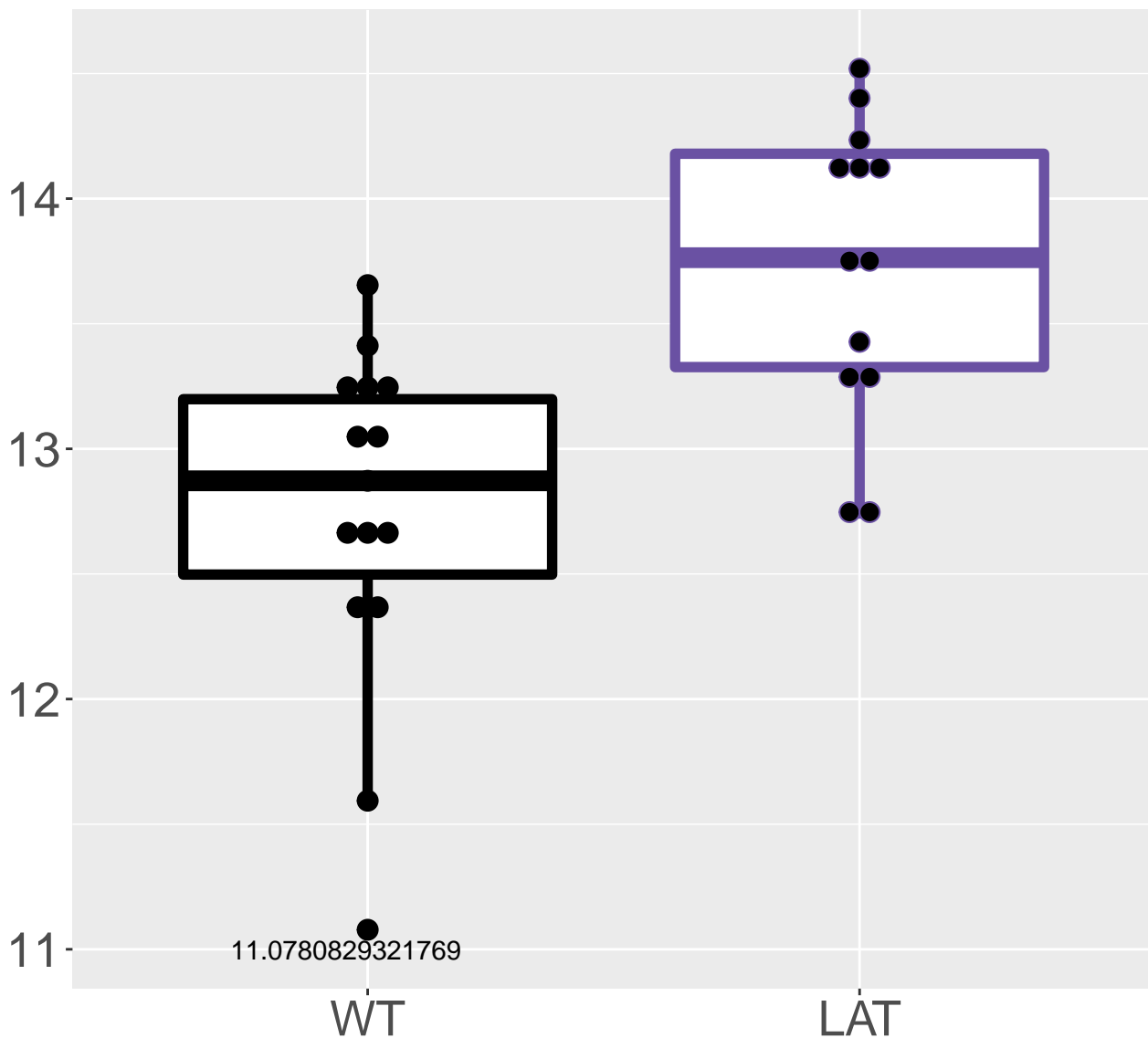
**FDR = 0.0024, FC = 3.5**



**M87.0447T47.61\_1**  
**FDR = 0.0025, FC = -1.4**

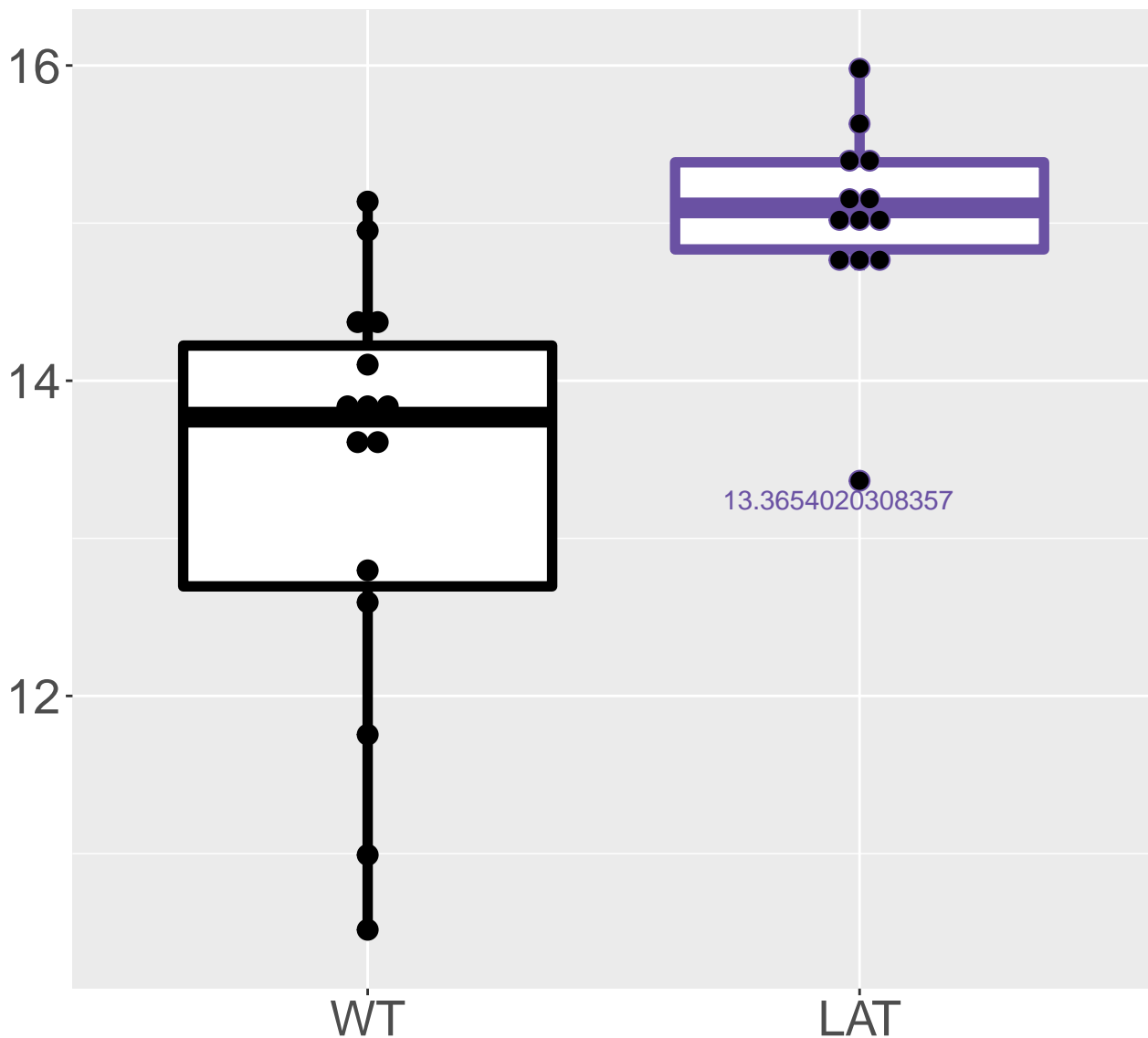


**M585.7988T292.57**  
**FDR = 0.0025, FC = 0.99**



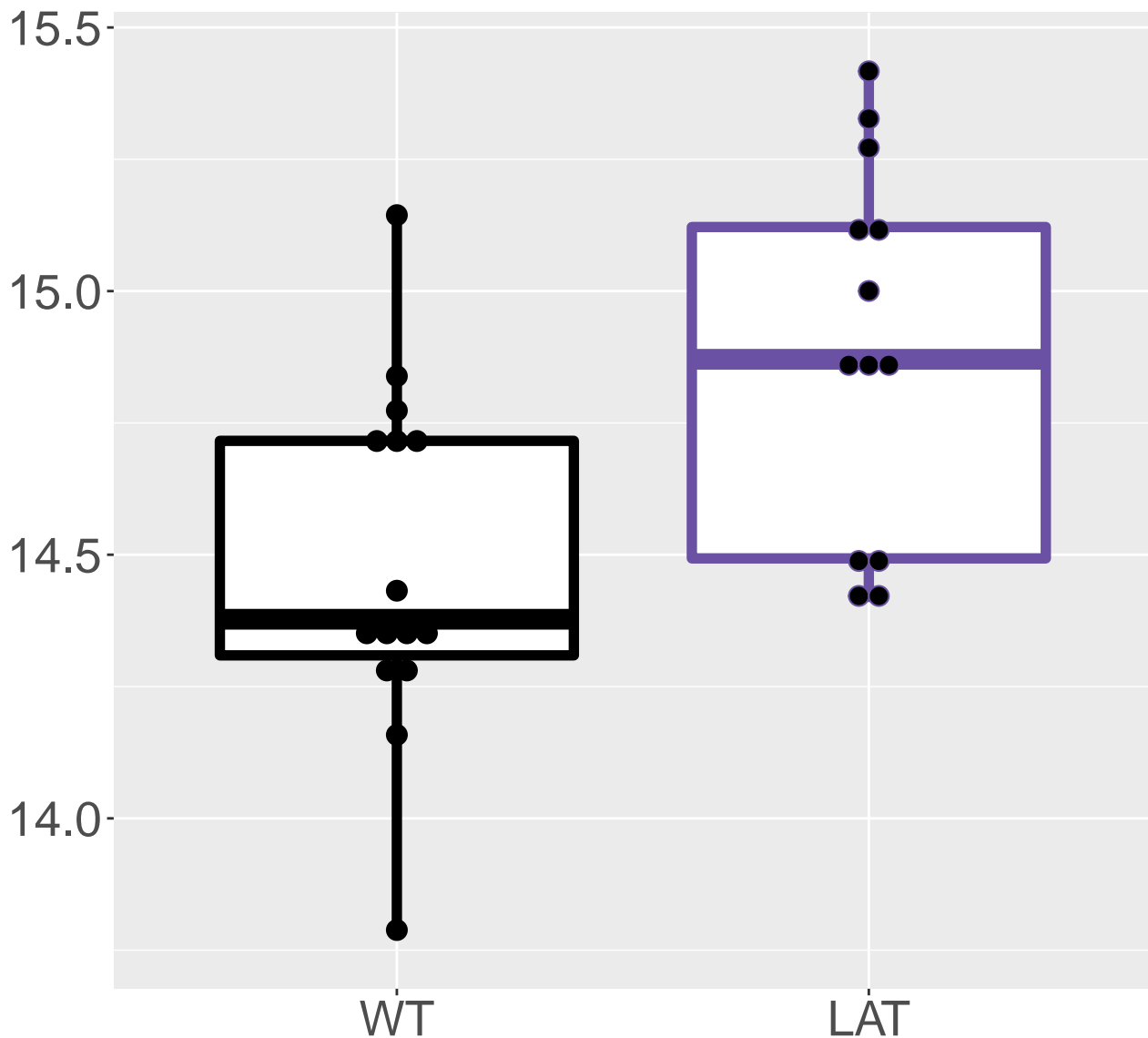
**M750.405T320.09**

**FDR = 0.0025, FC = 1.7**

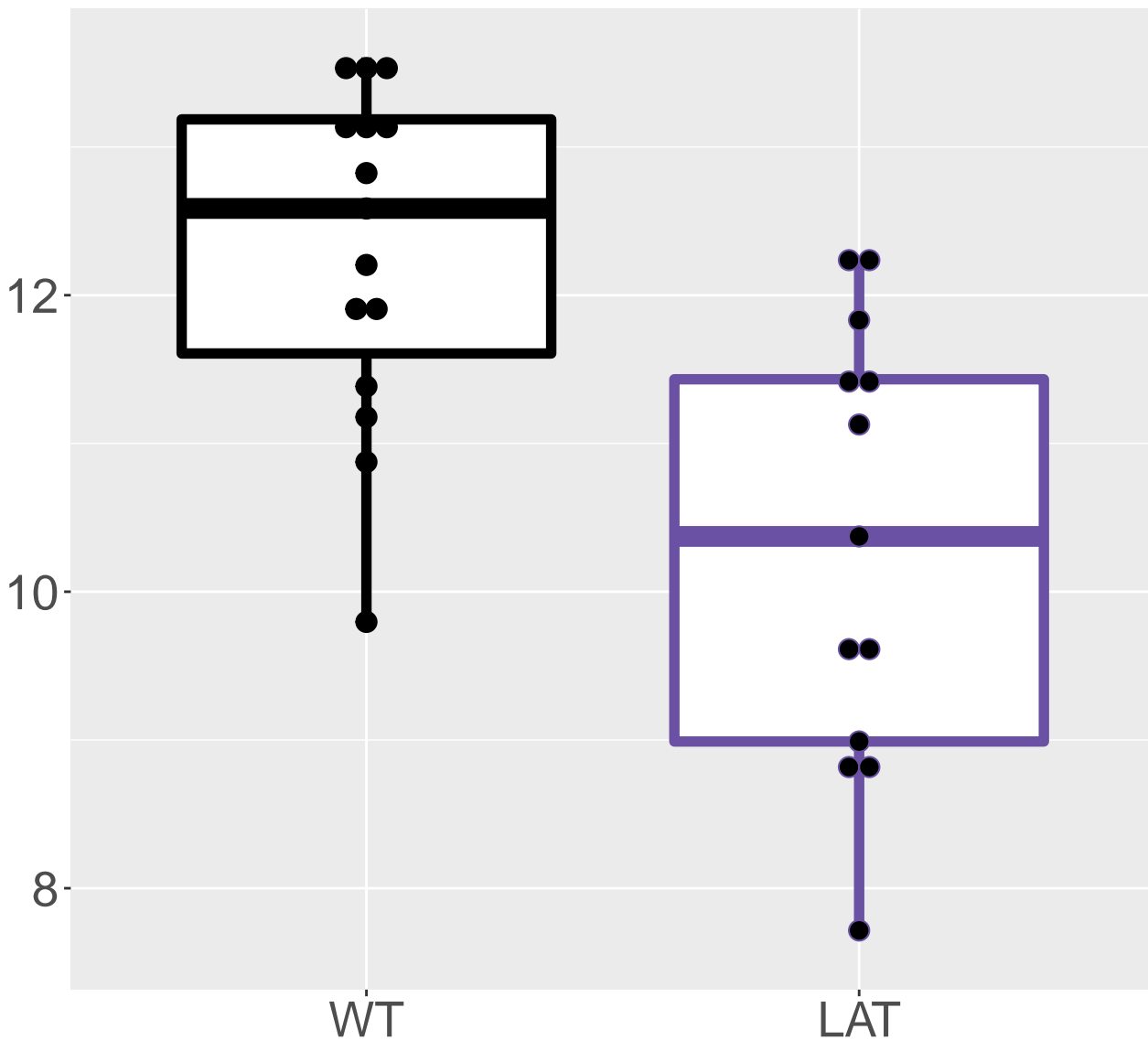


**M630.9321T284.99\_3**

**FDR = 0.0025, FC = 0.41, sex\*\***



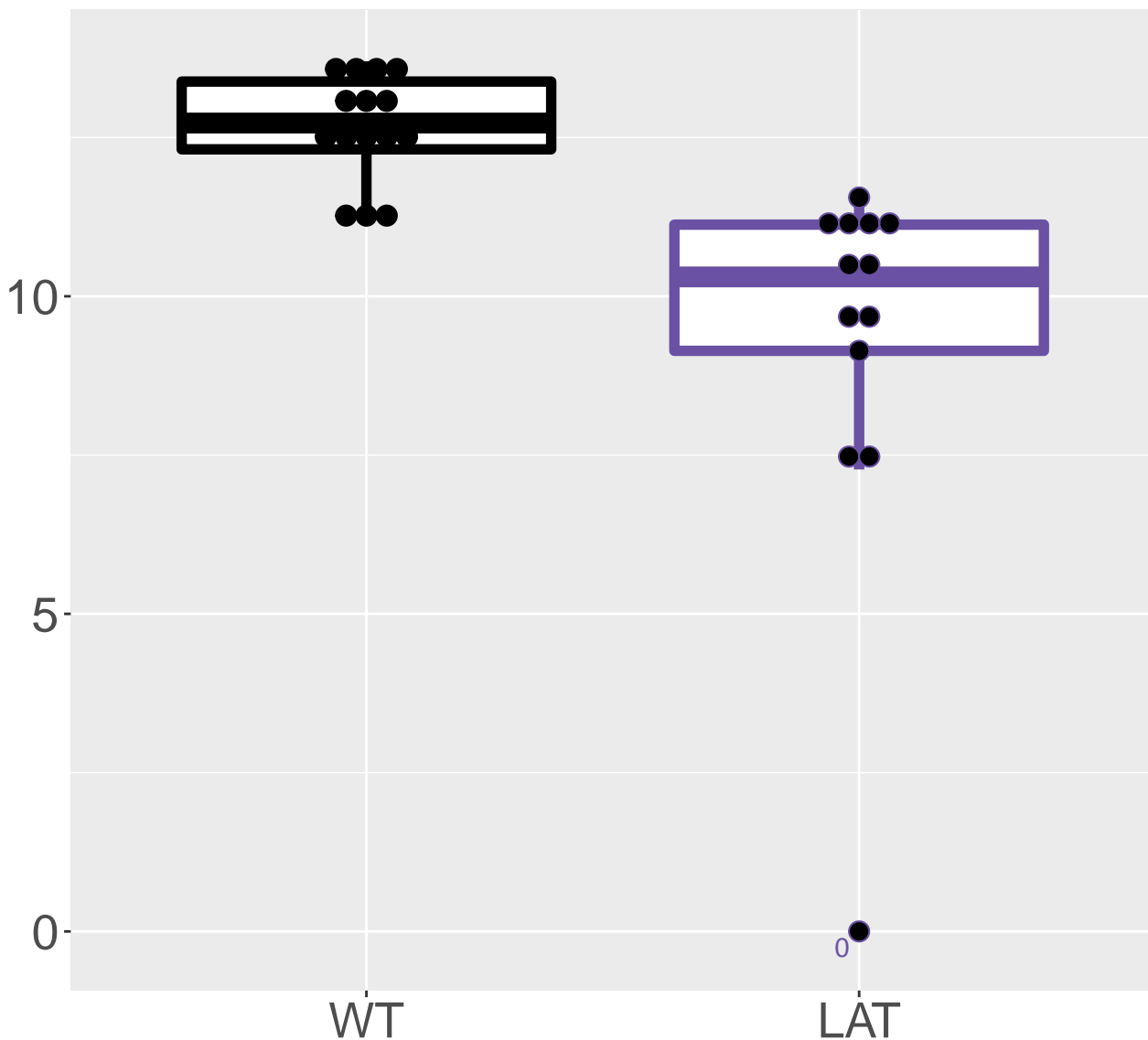
**M324.6973T259.32**  
**FDR = 0.0025, FC = -2**



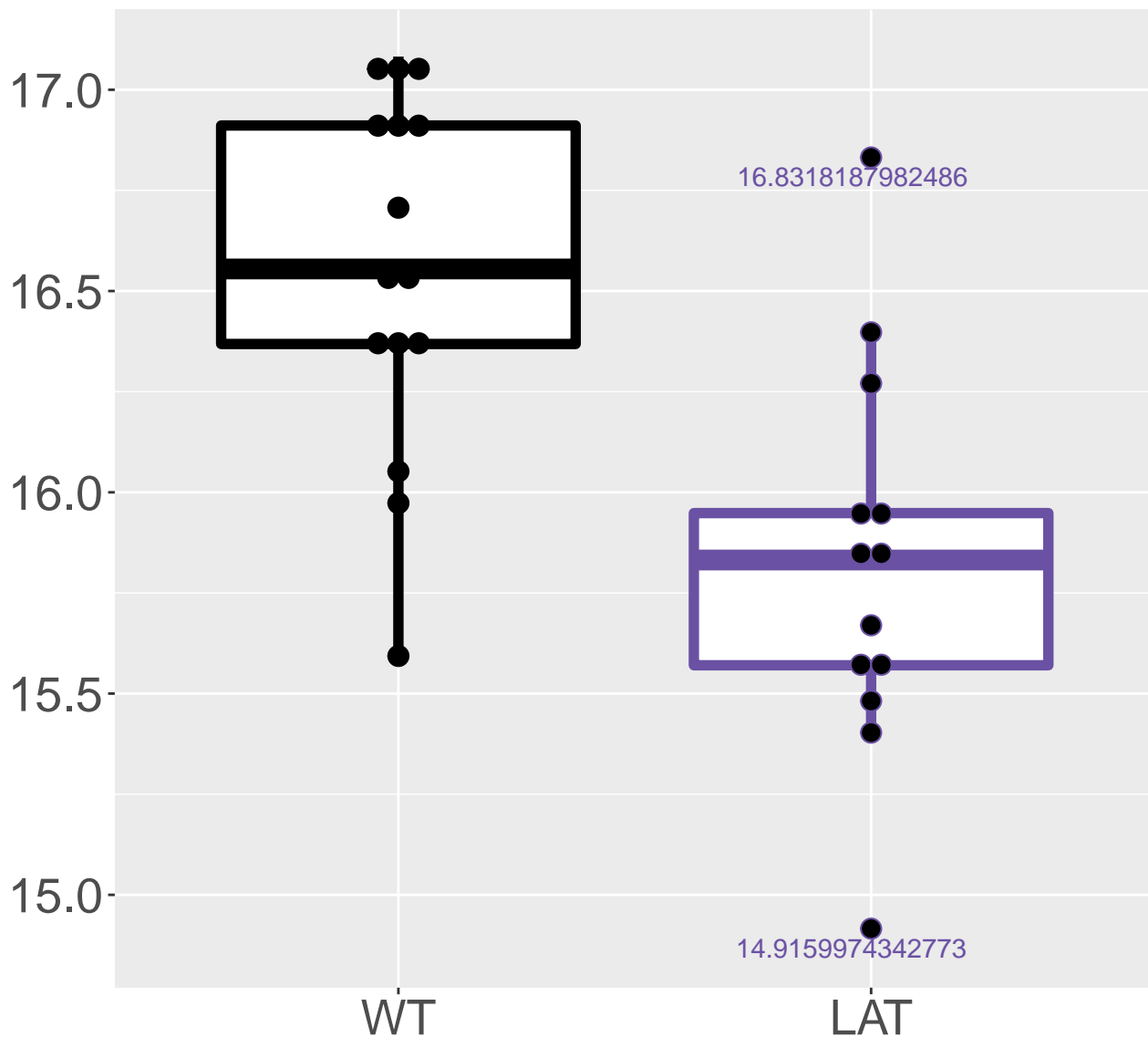


**M449.9289T253.84**

**FDR = 0.0025, FC = -3.4**

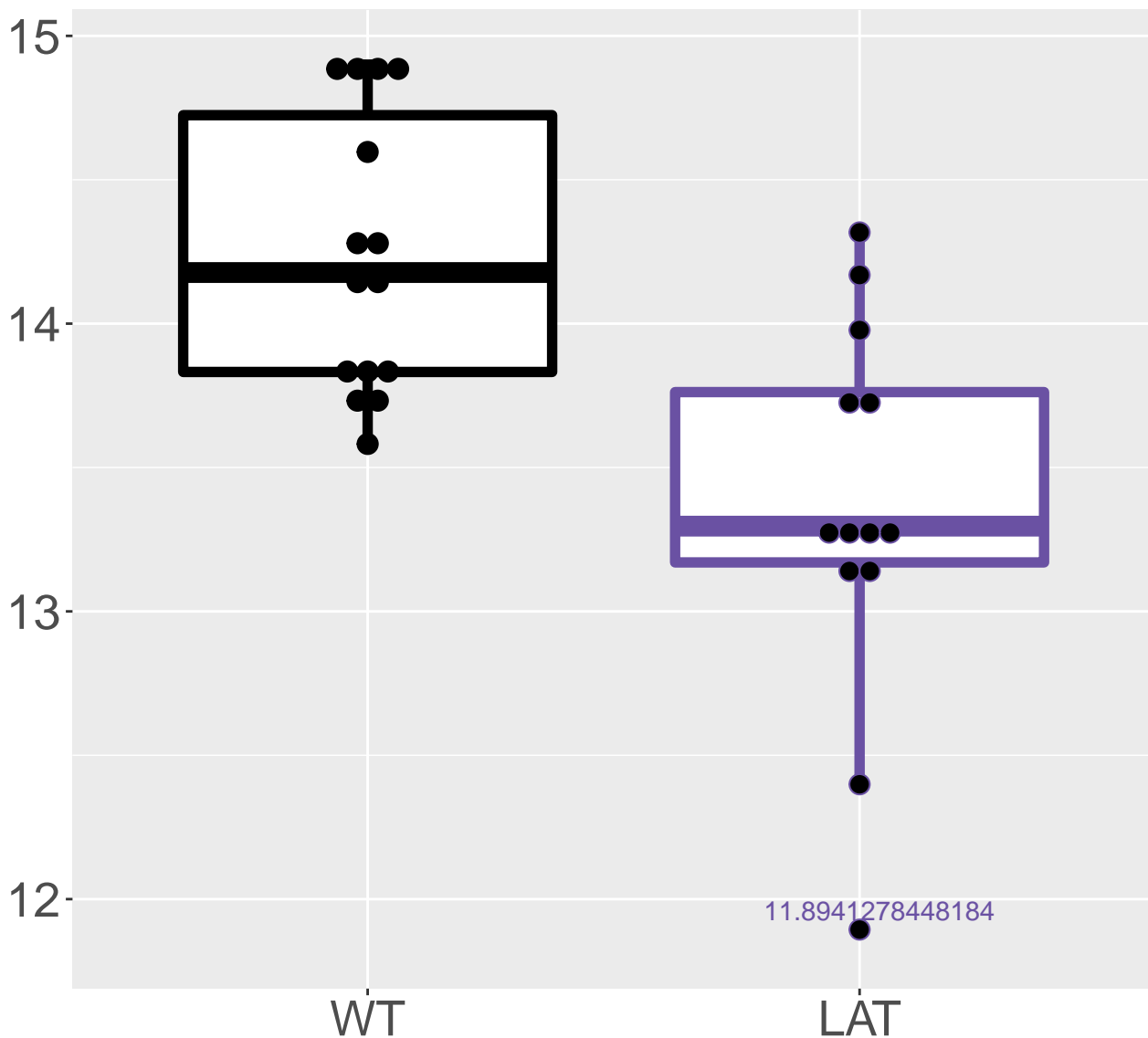


**M127.9373T75.44\_24**  
**FDR = 0.0025, FC = -0.74**



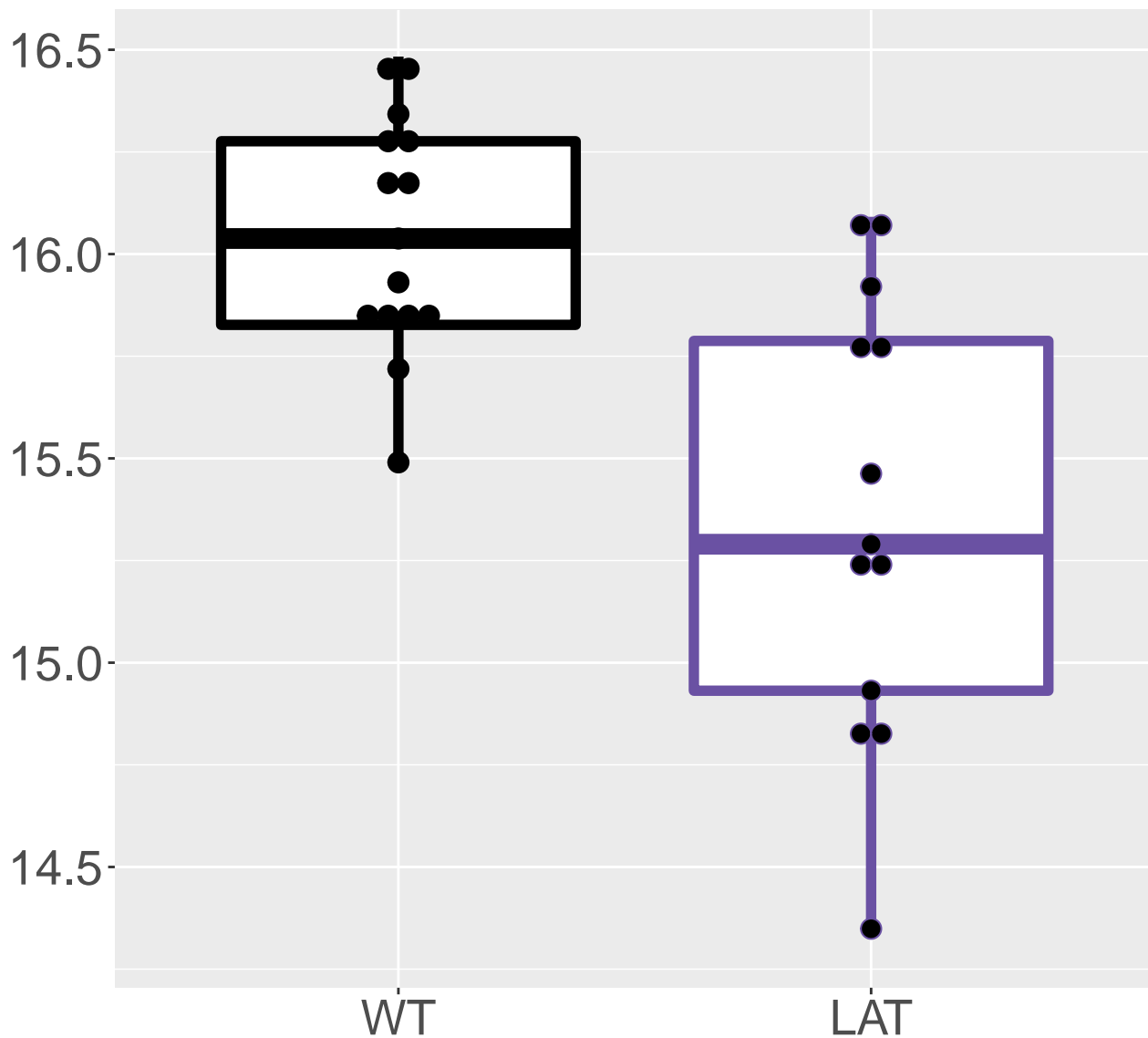
**M642.4816T298.54**

**FDR = 0.0025, FC = -0.89**

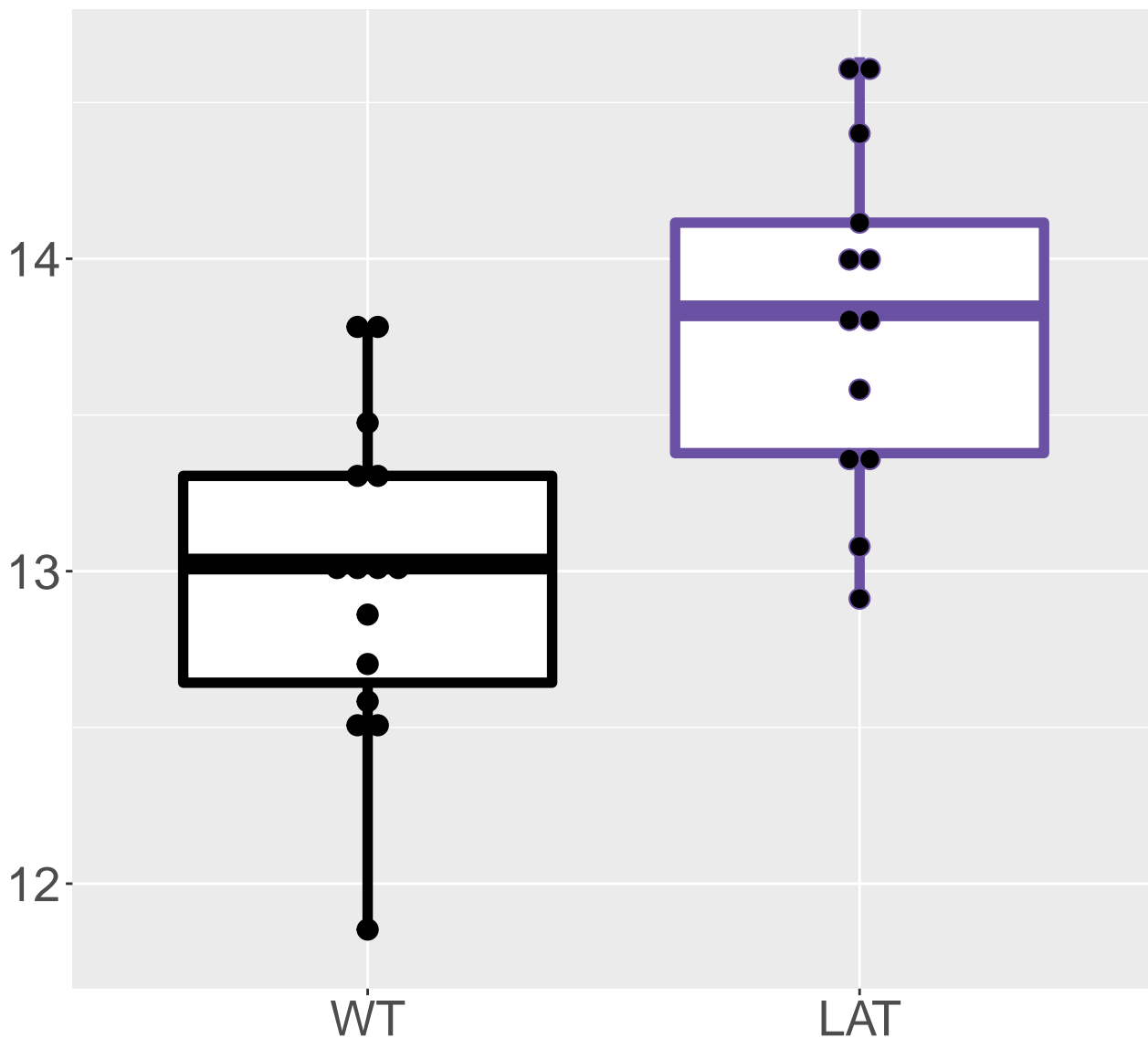


**M520.2885T272.53**

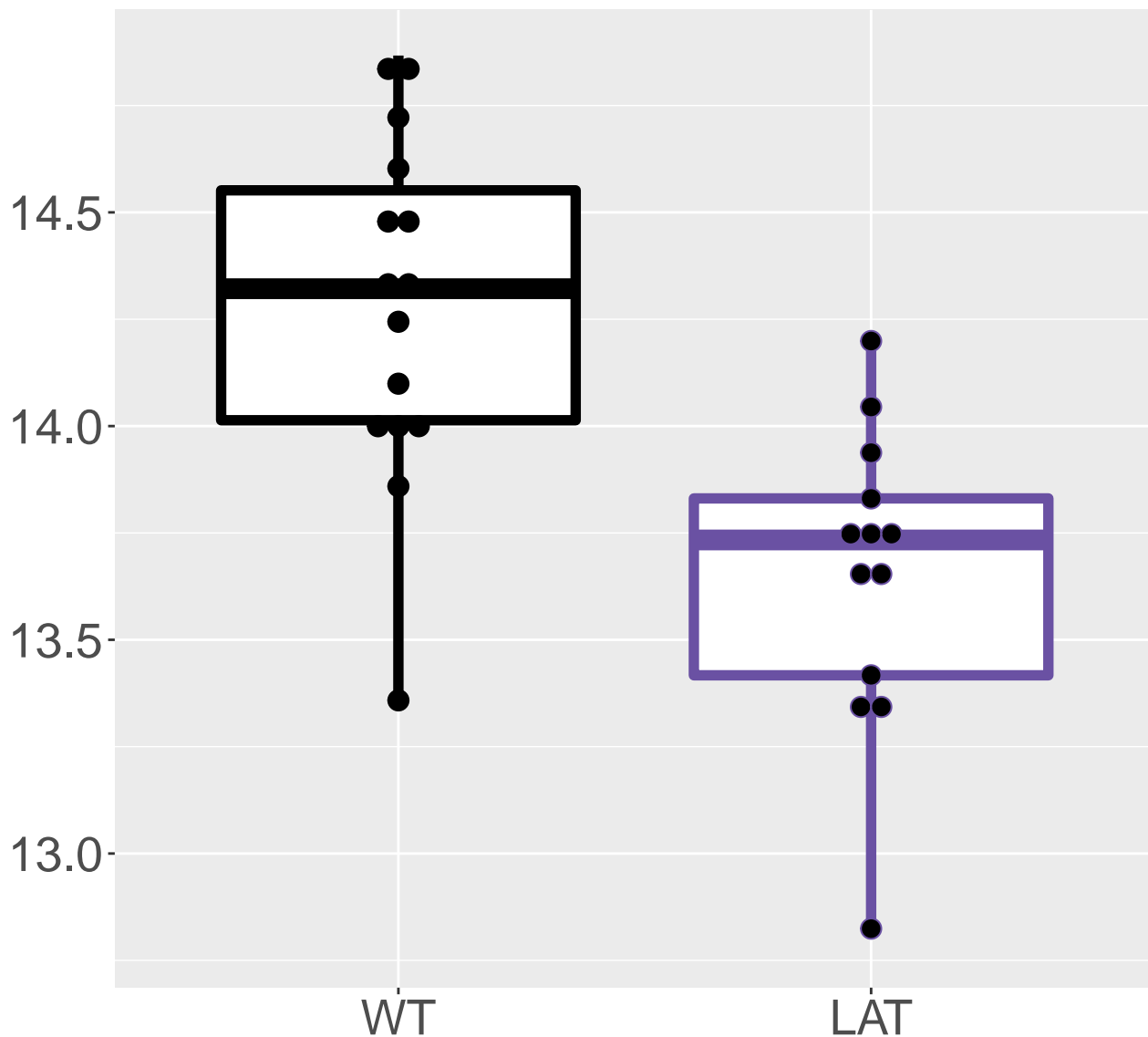
**FDR = 0.0026, FC = -0.68**



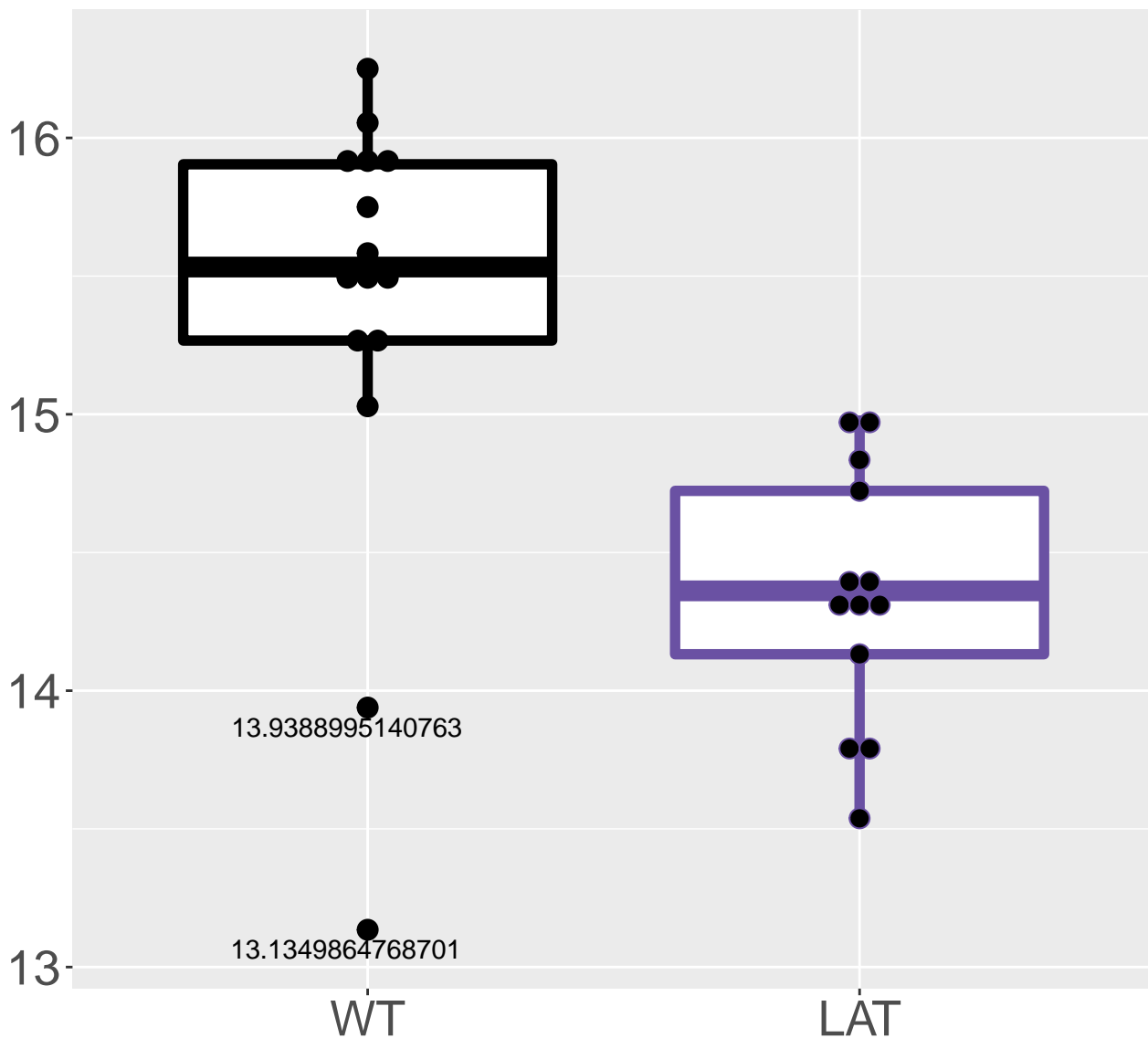
**M258.1718T330.07\_2**  
**FDR = 0.0026, FC = 0.83**



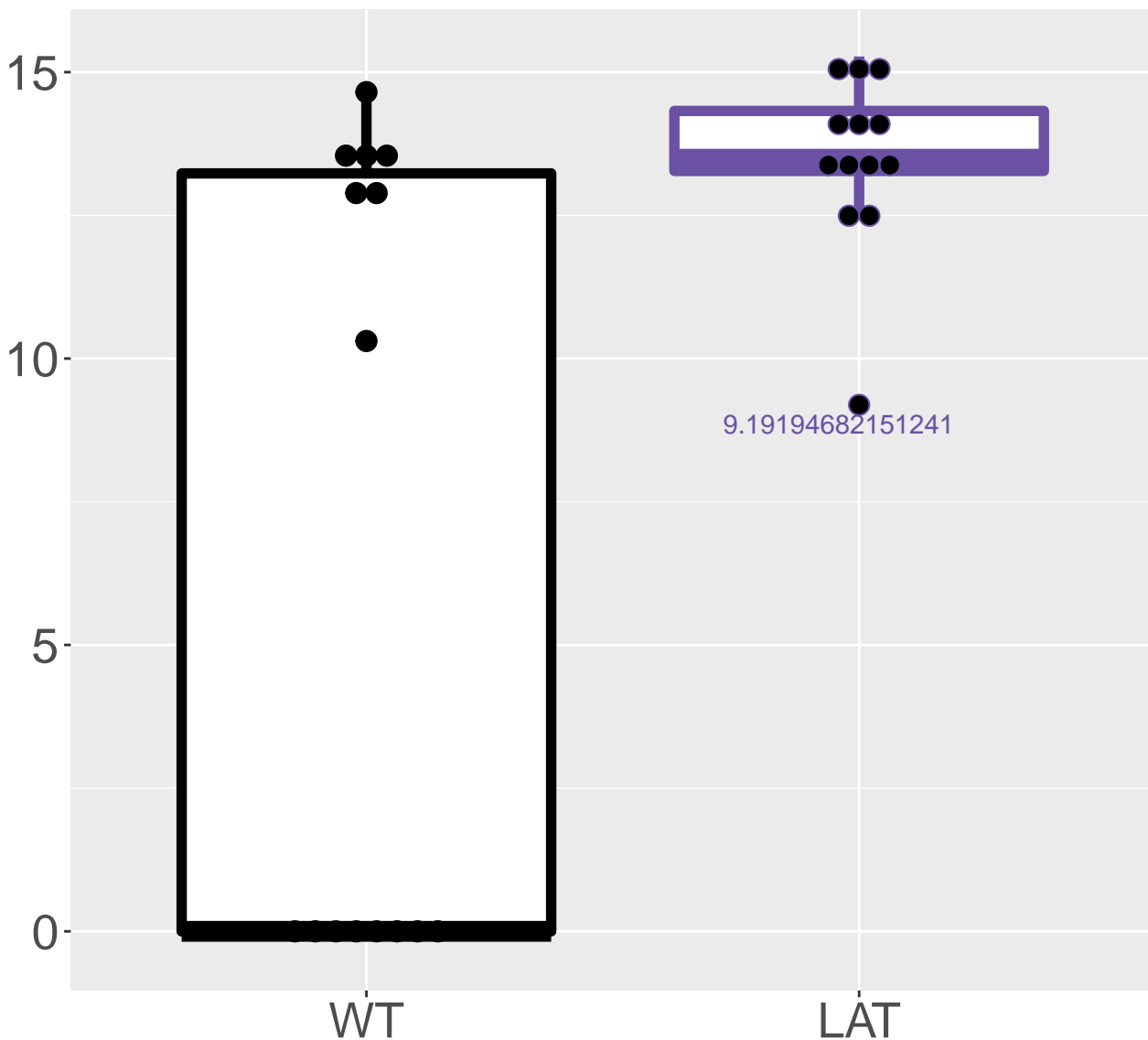
**M693.3729T296.63\_6**  
**FDR = 0.0026, FC = -0.62**



**M562.1091T330.74\_1**  
**FDR = 0.0026, FC = -1**

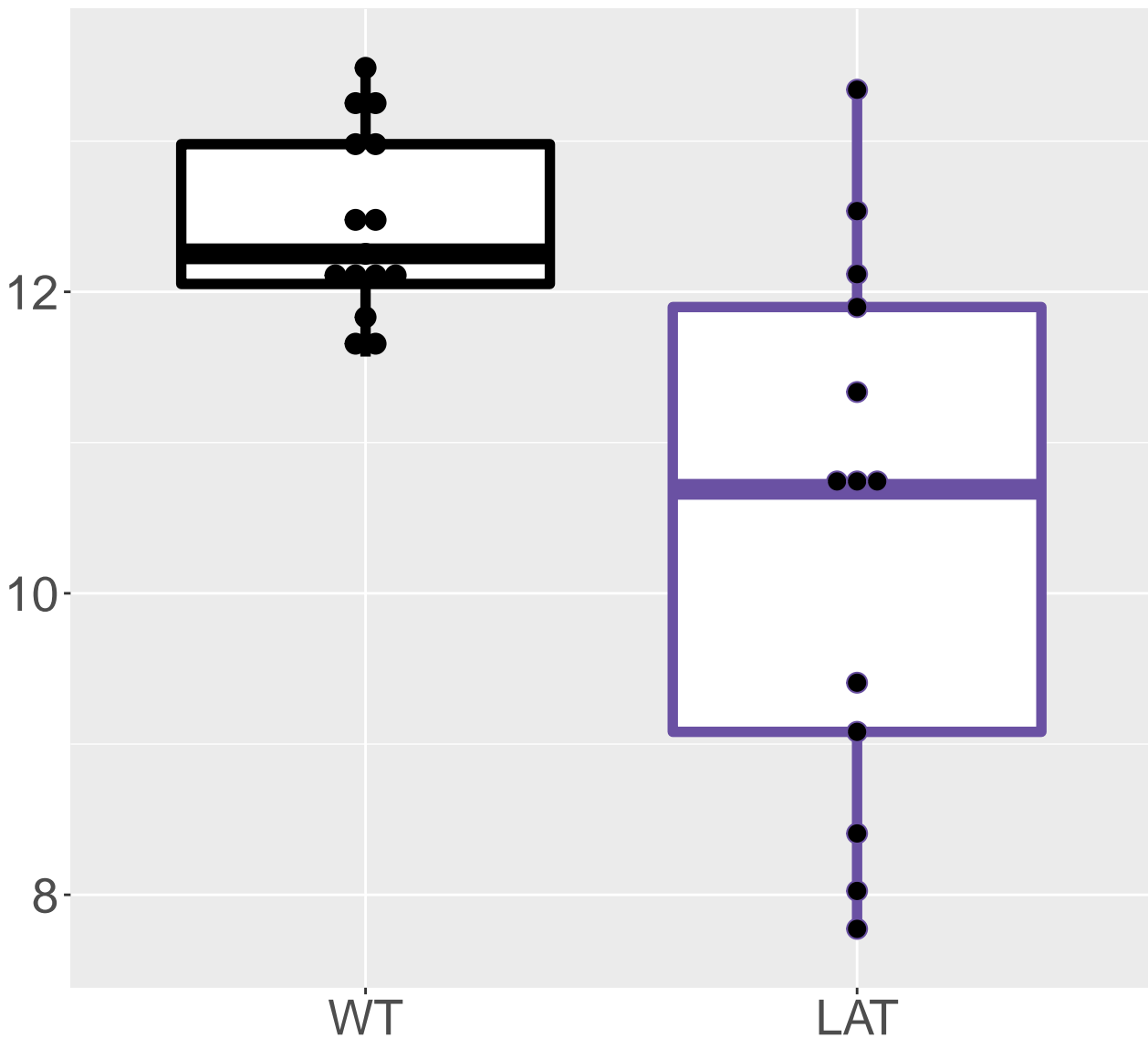


**FDR = 0.0027, FC = 7.4**

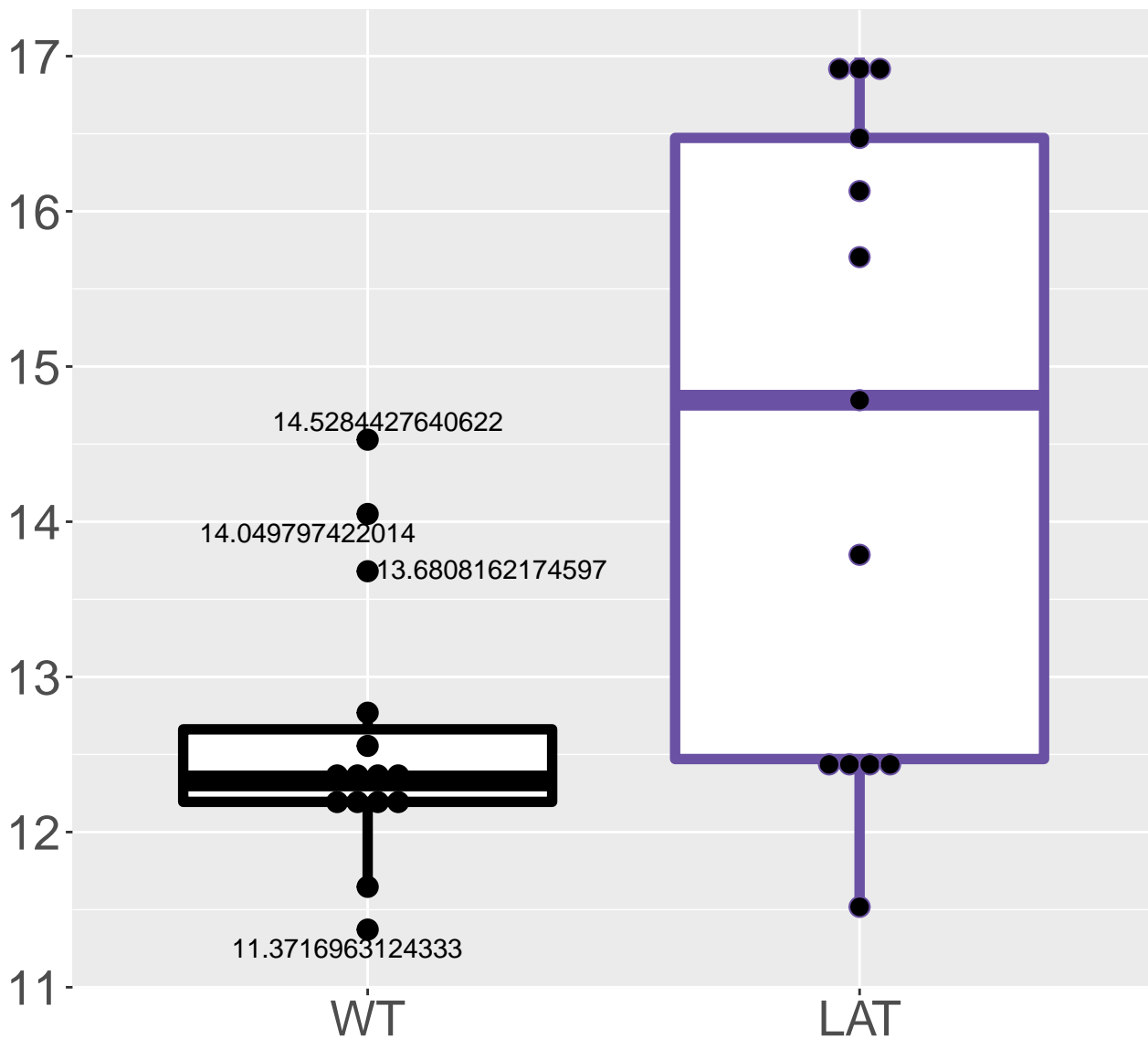




**M293.4954T224.55**  
**FDR = 0.0027, FC = -2**

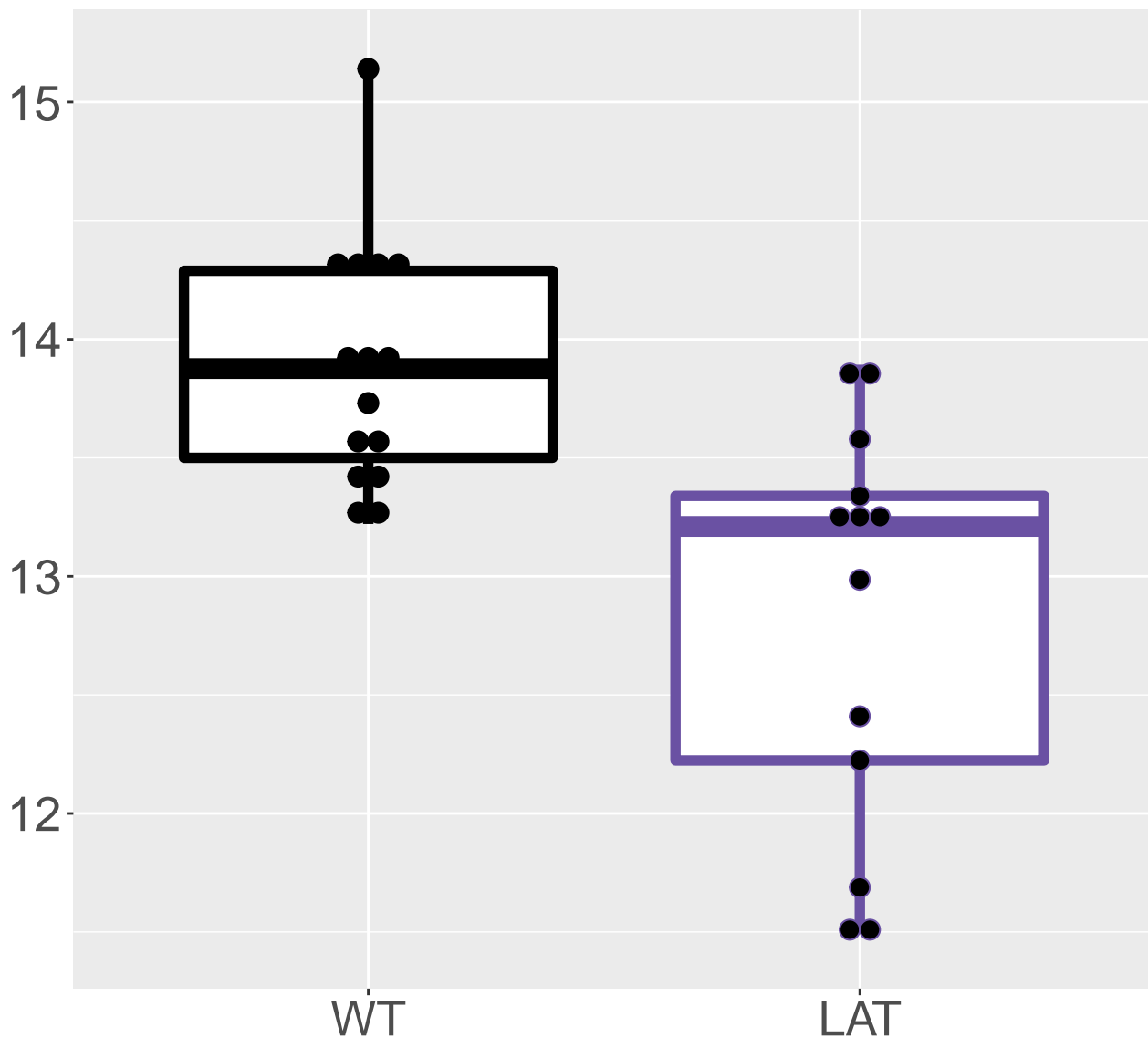


**FDR = 0.0027, FC = 1.9, sex\*\***

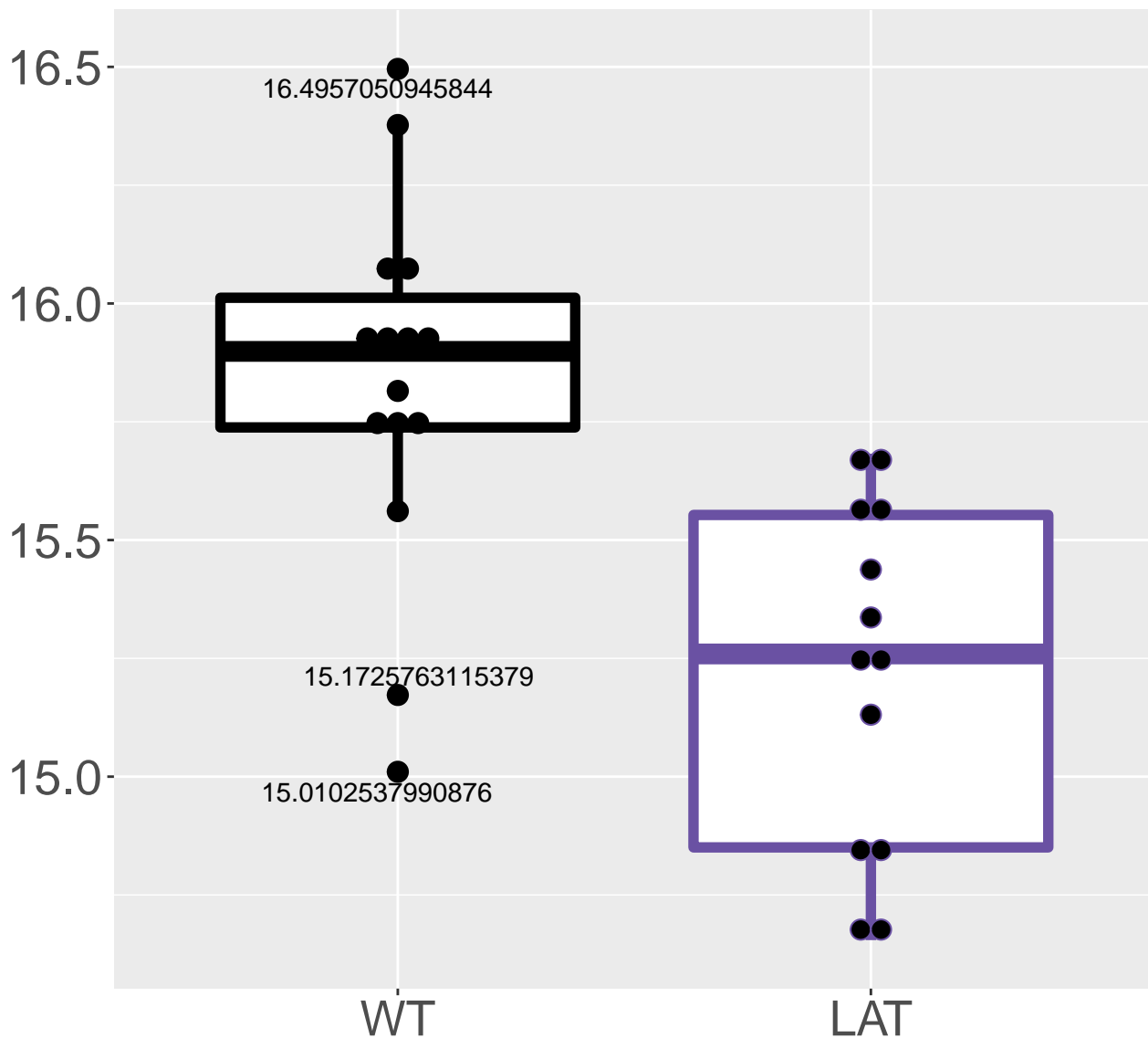


**M749.3925T298.76**

**FDR = 0.0027, FC = -1.1**

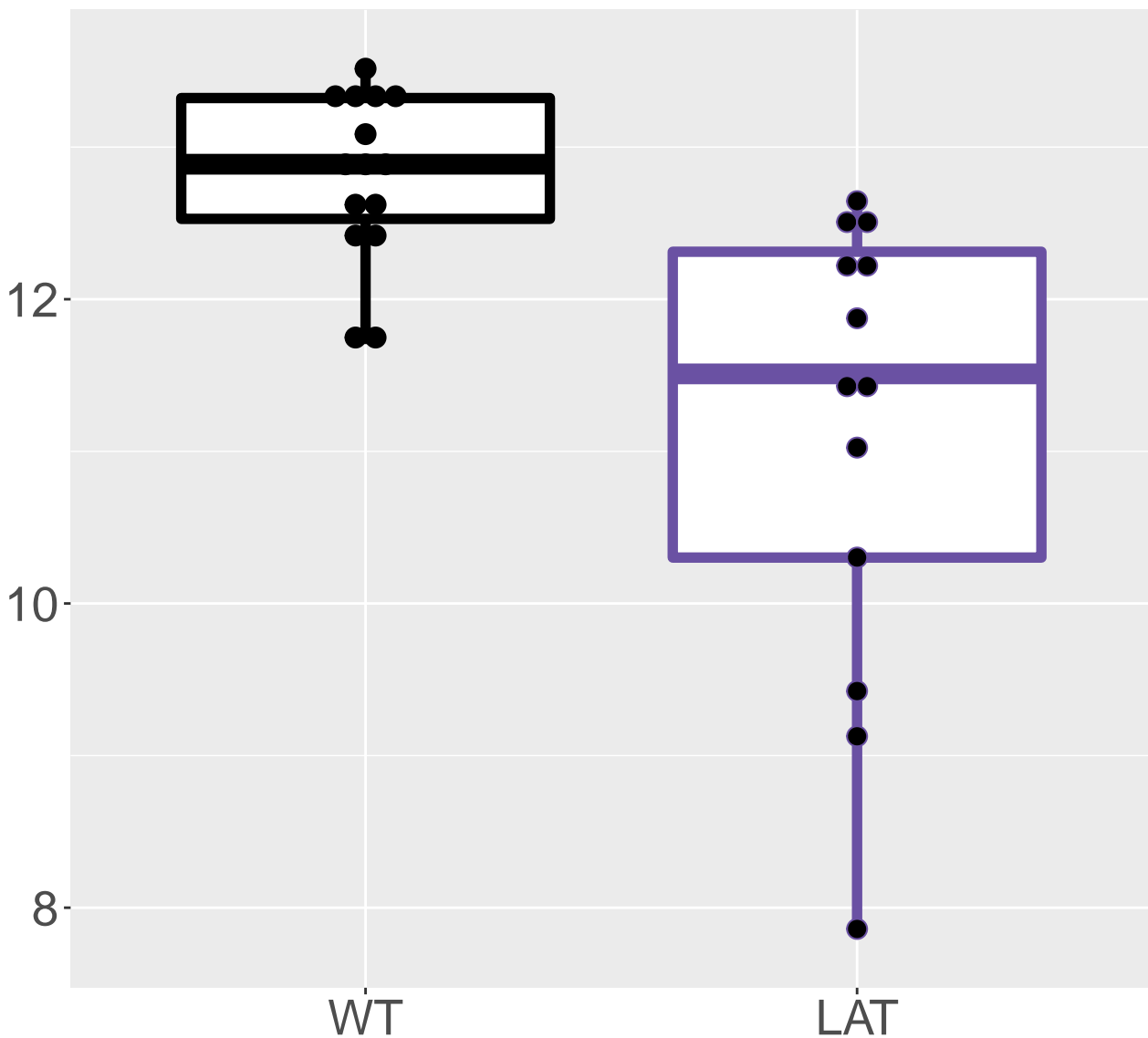


**M159.5624T113.11\_2**  
**FDR = 0.0027, FC = -0.61**



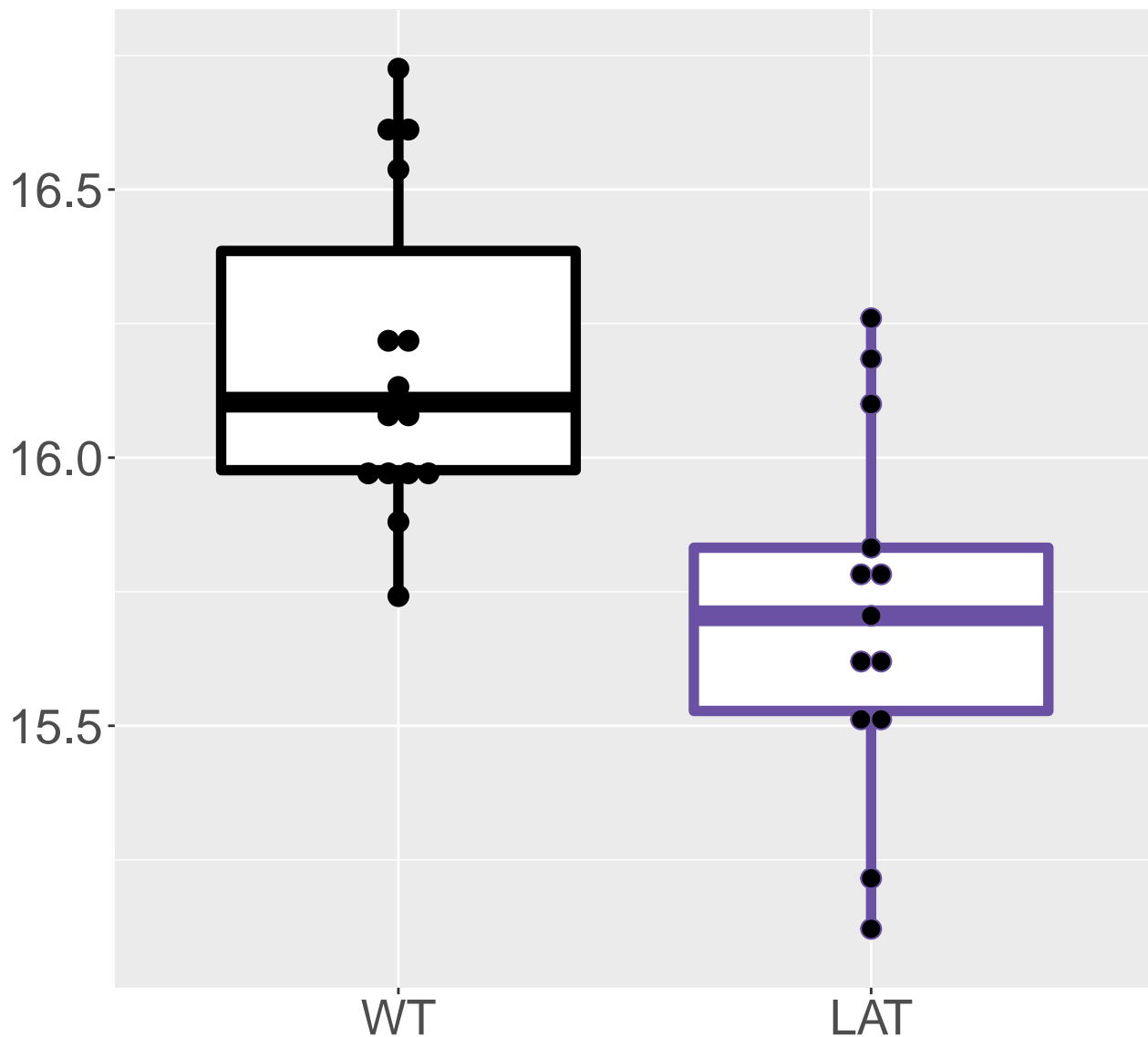
**M269.1752T261.11**

**FDR = 0.0027, FC = -1.7**

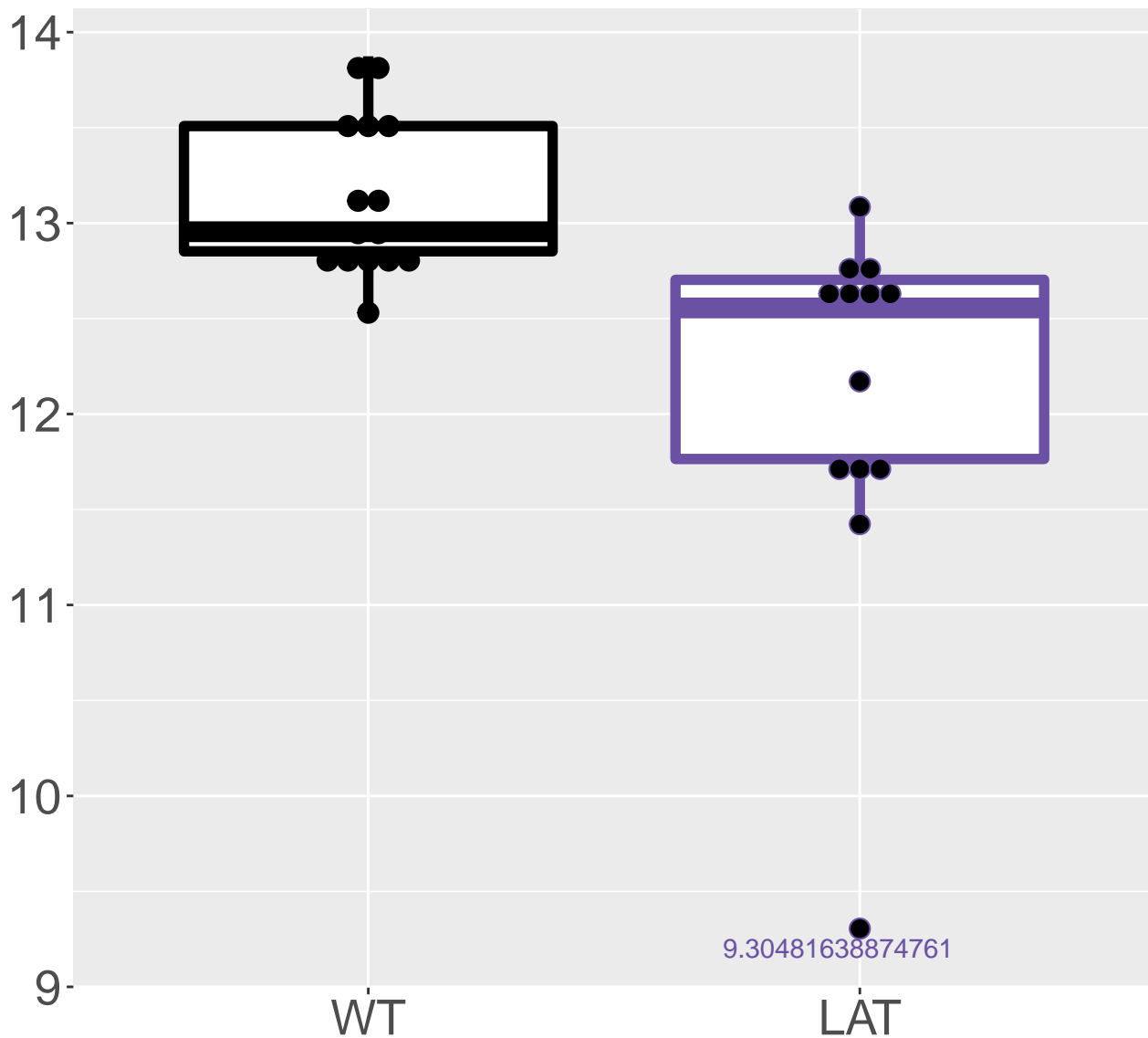


**M169.2672T113.16\_38**

**FDR = 0.0027, FC = -0.47**

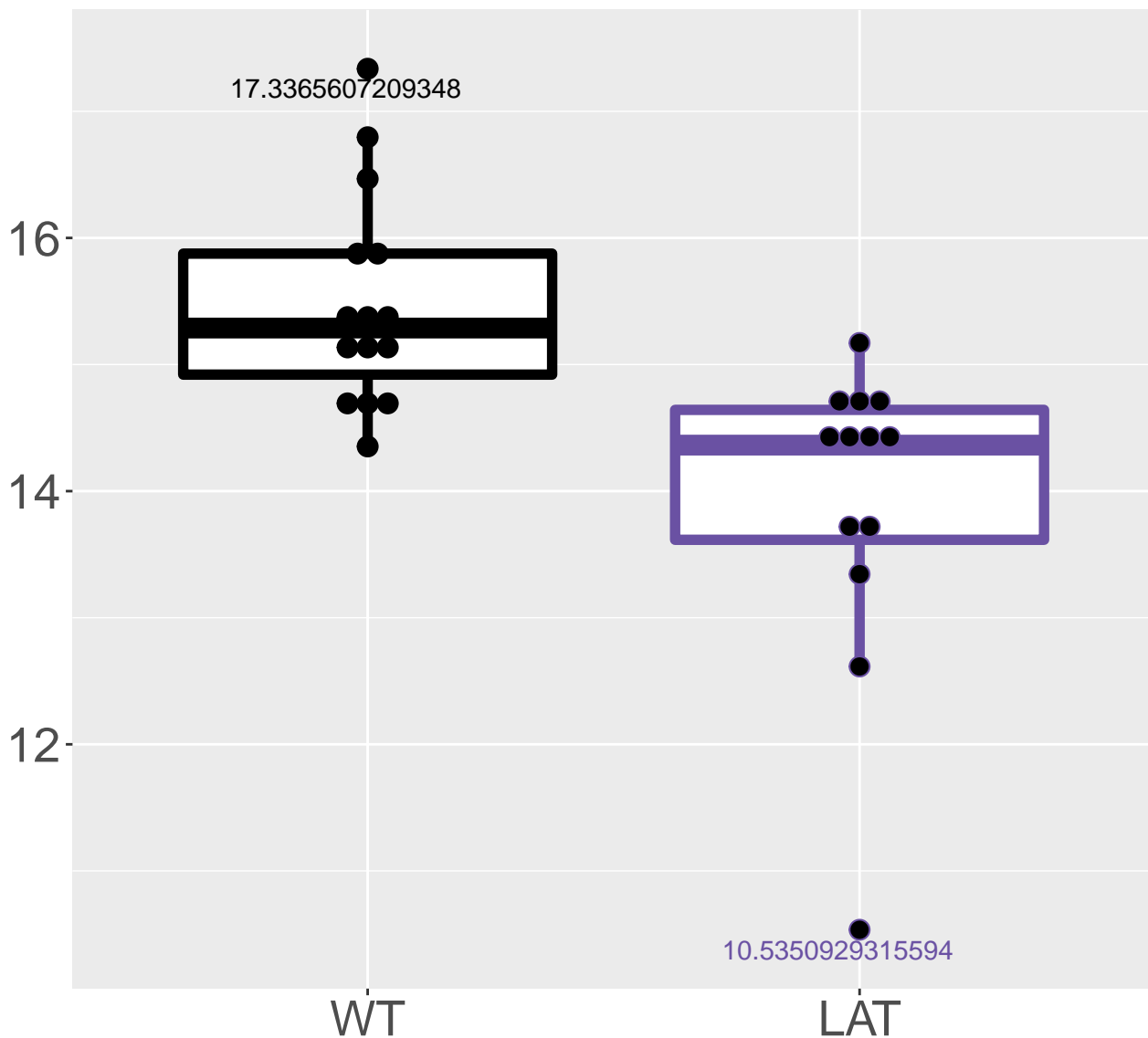


**M590.3056T276.05\_2**  
**FDR = 0.0027, FC = -1**



**M434.1683T116.53**

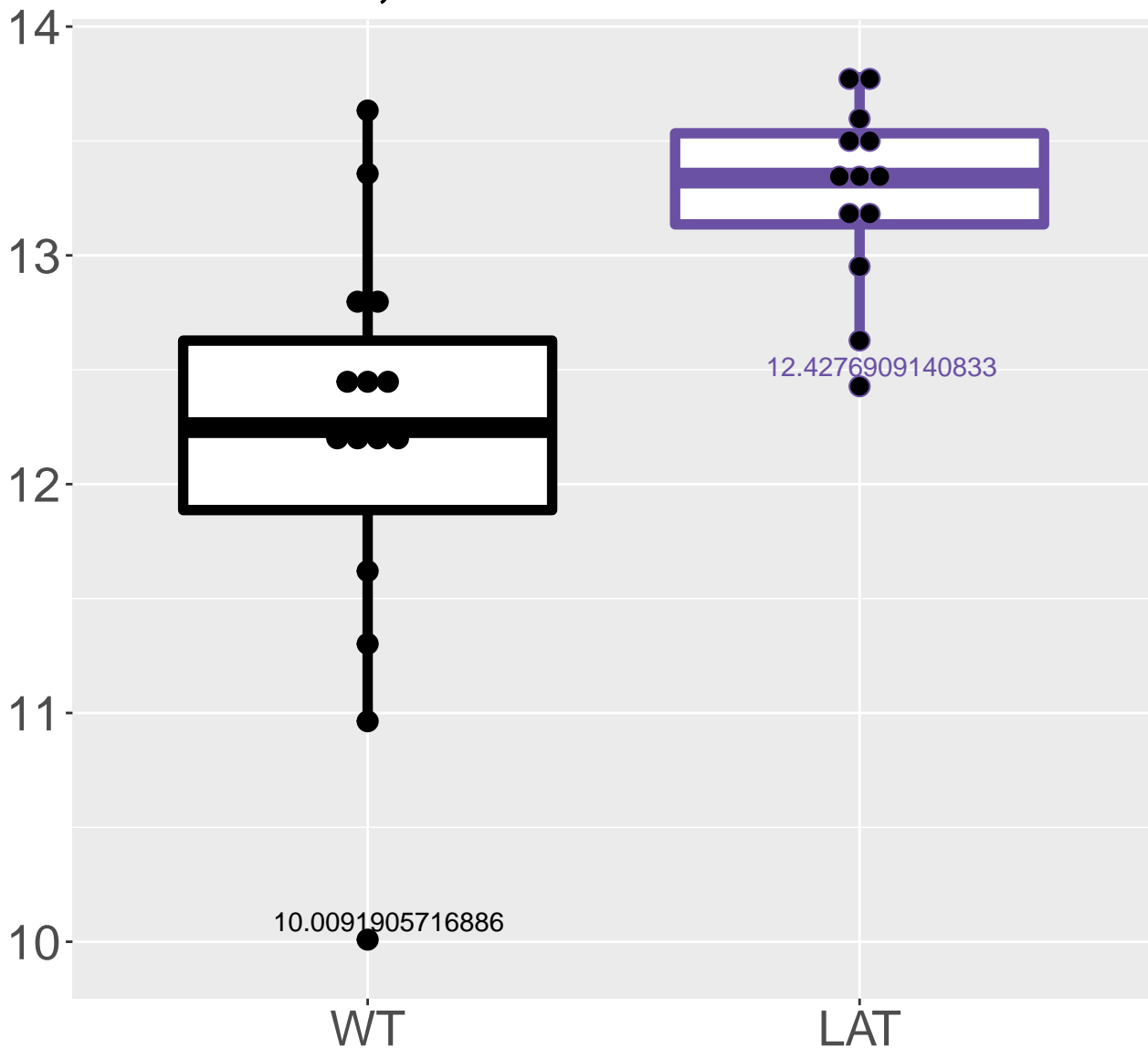
**FDR = 0.0027, FC = -1.6**



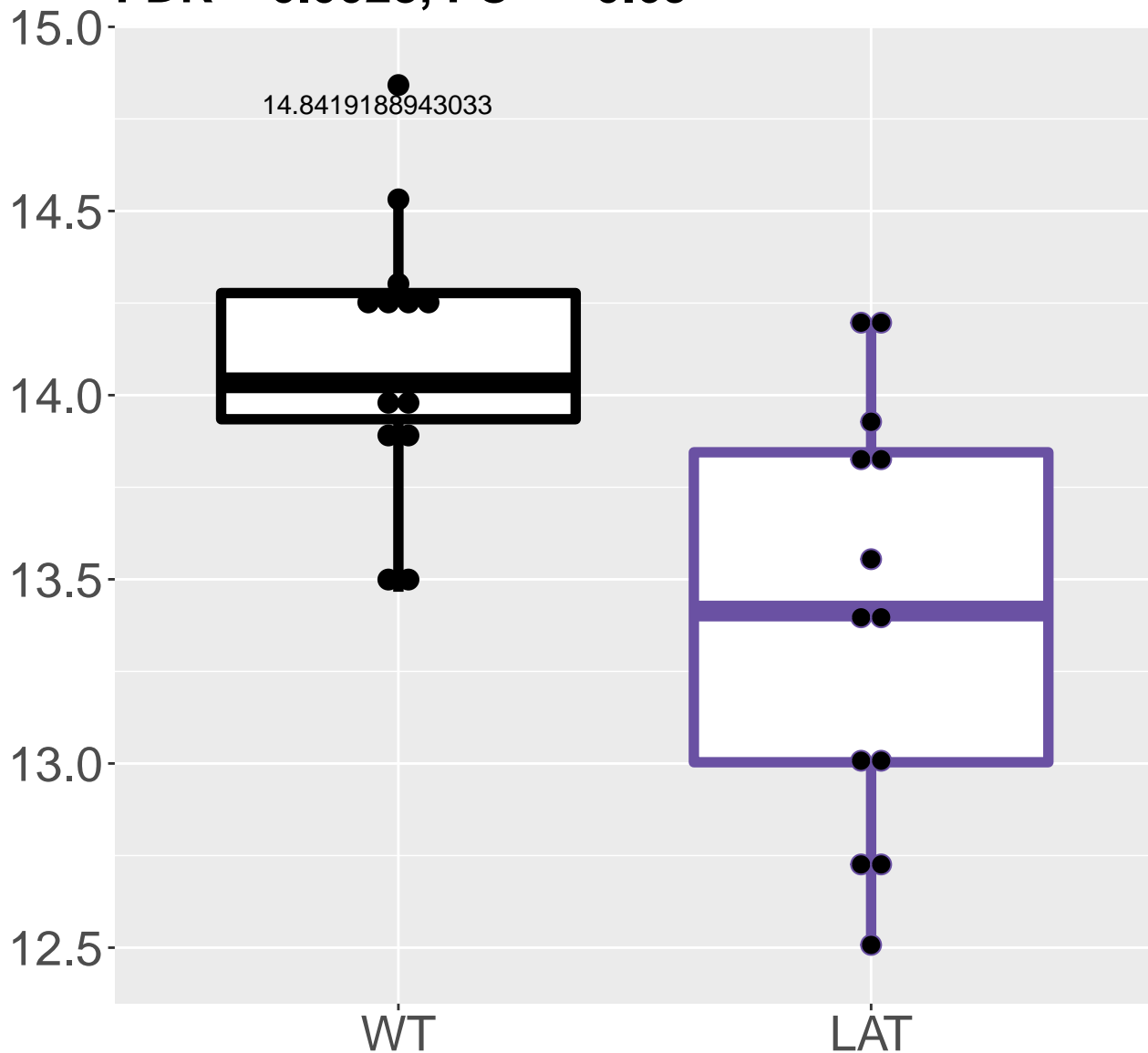


**M533.2921T284.02**

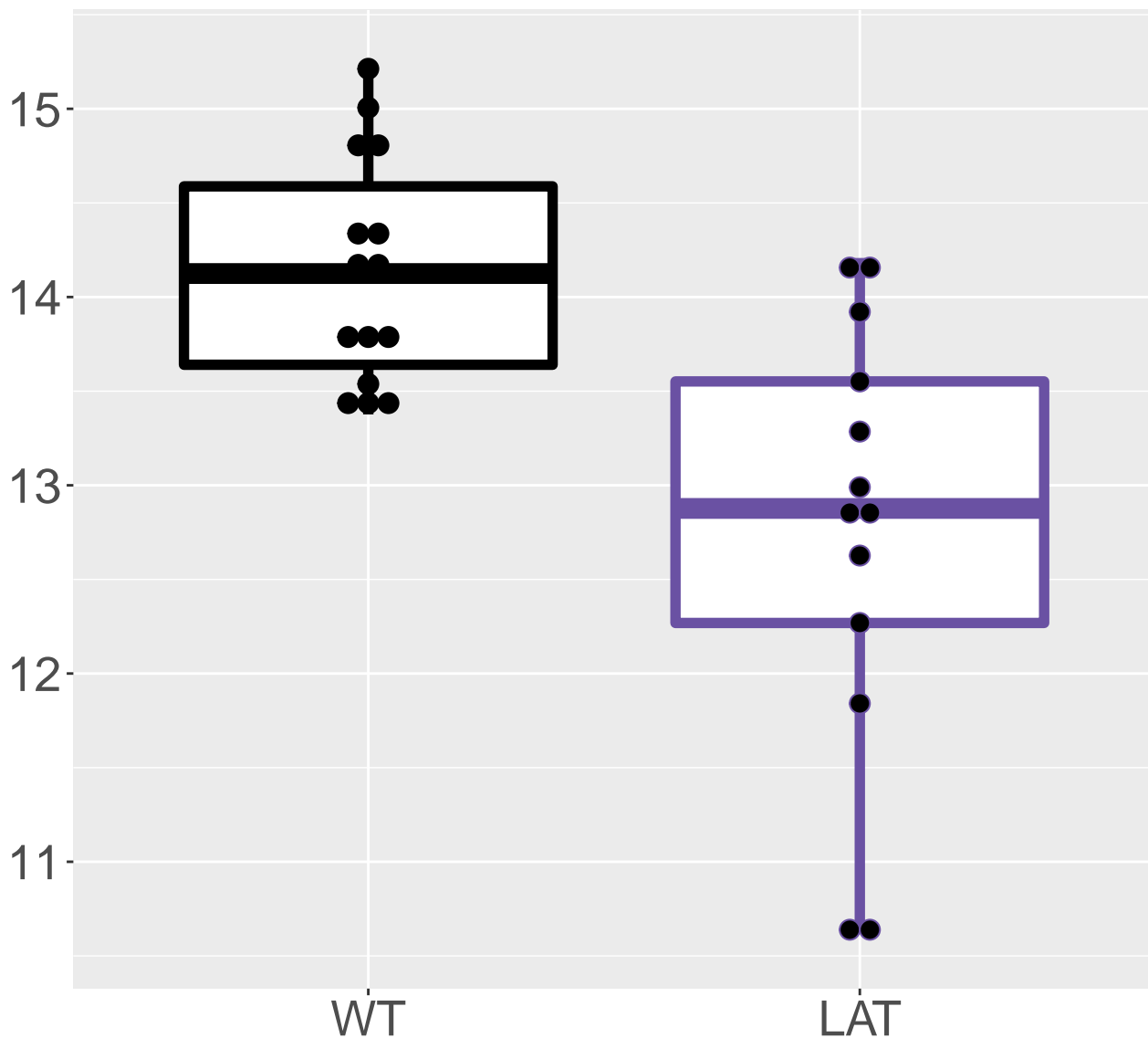
**FDR = 0.0028, FC = 1.1**



**M388.5582T256.43\_1**  
**FDR = 0.0028, FC = -0.69**

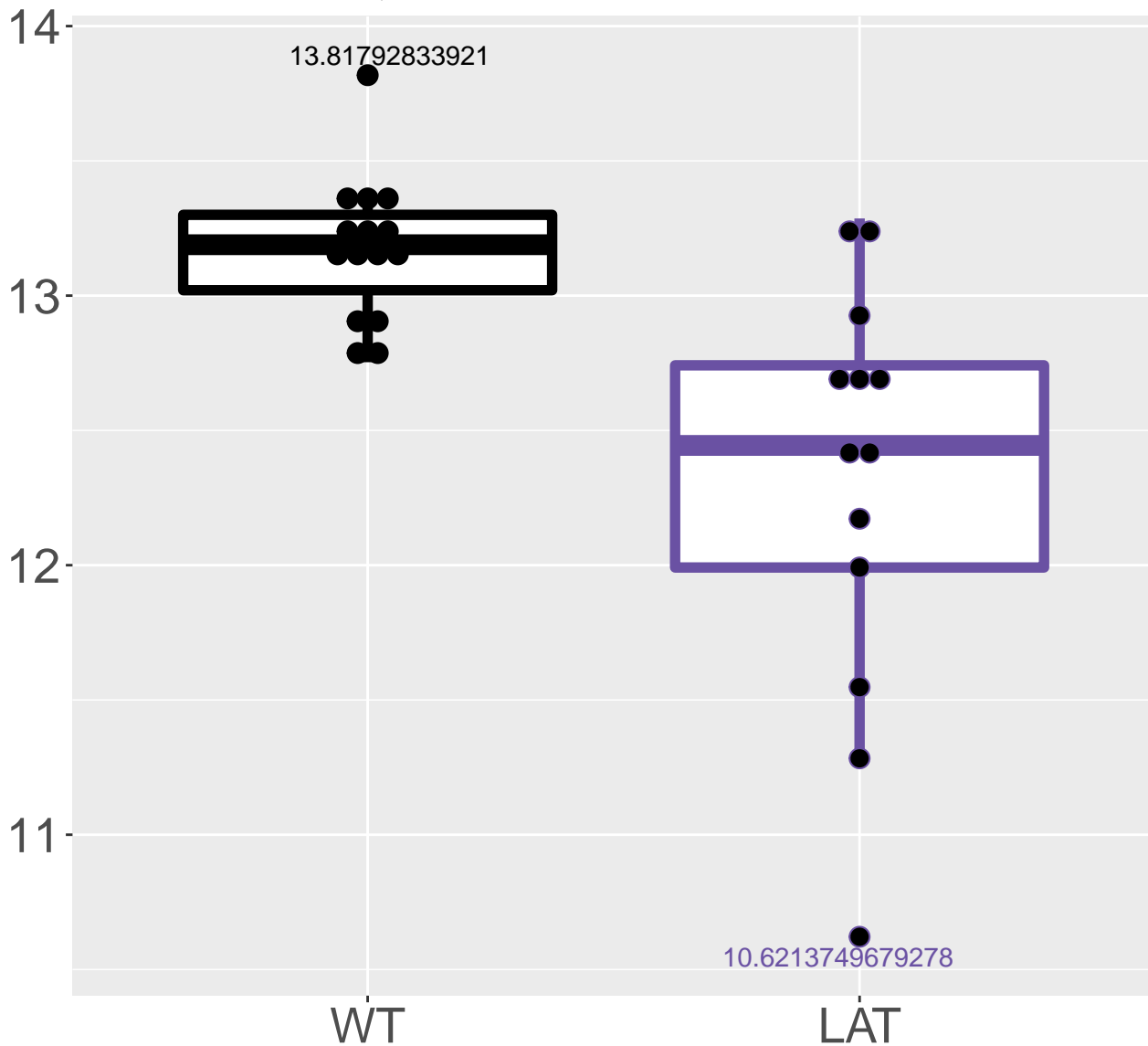


**M421.5691T298.57**  
**FDR = 0.0028, FC = -1.4**



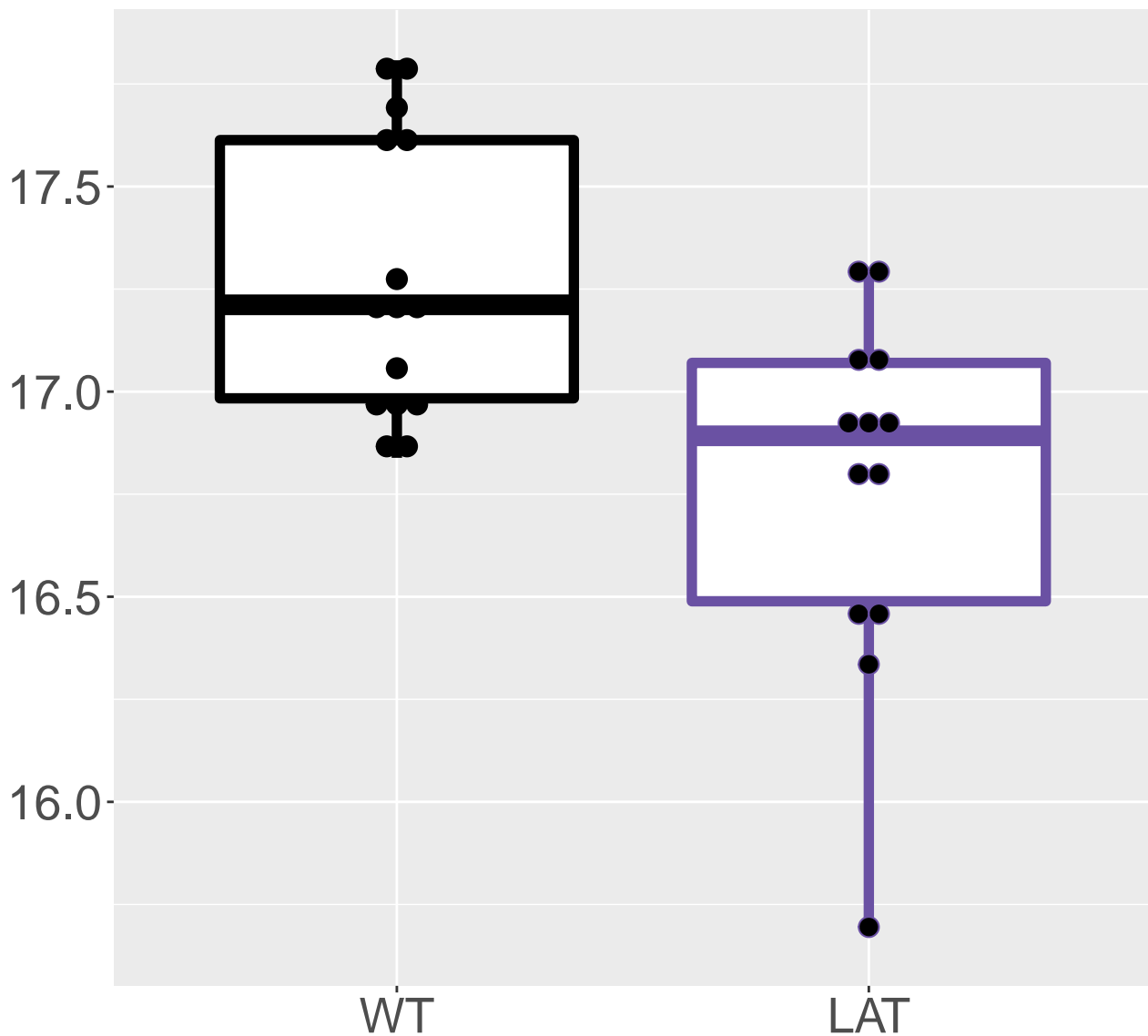
**M377.2265T248.74**

**FDR = 0.0028, FC = -0.87**

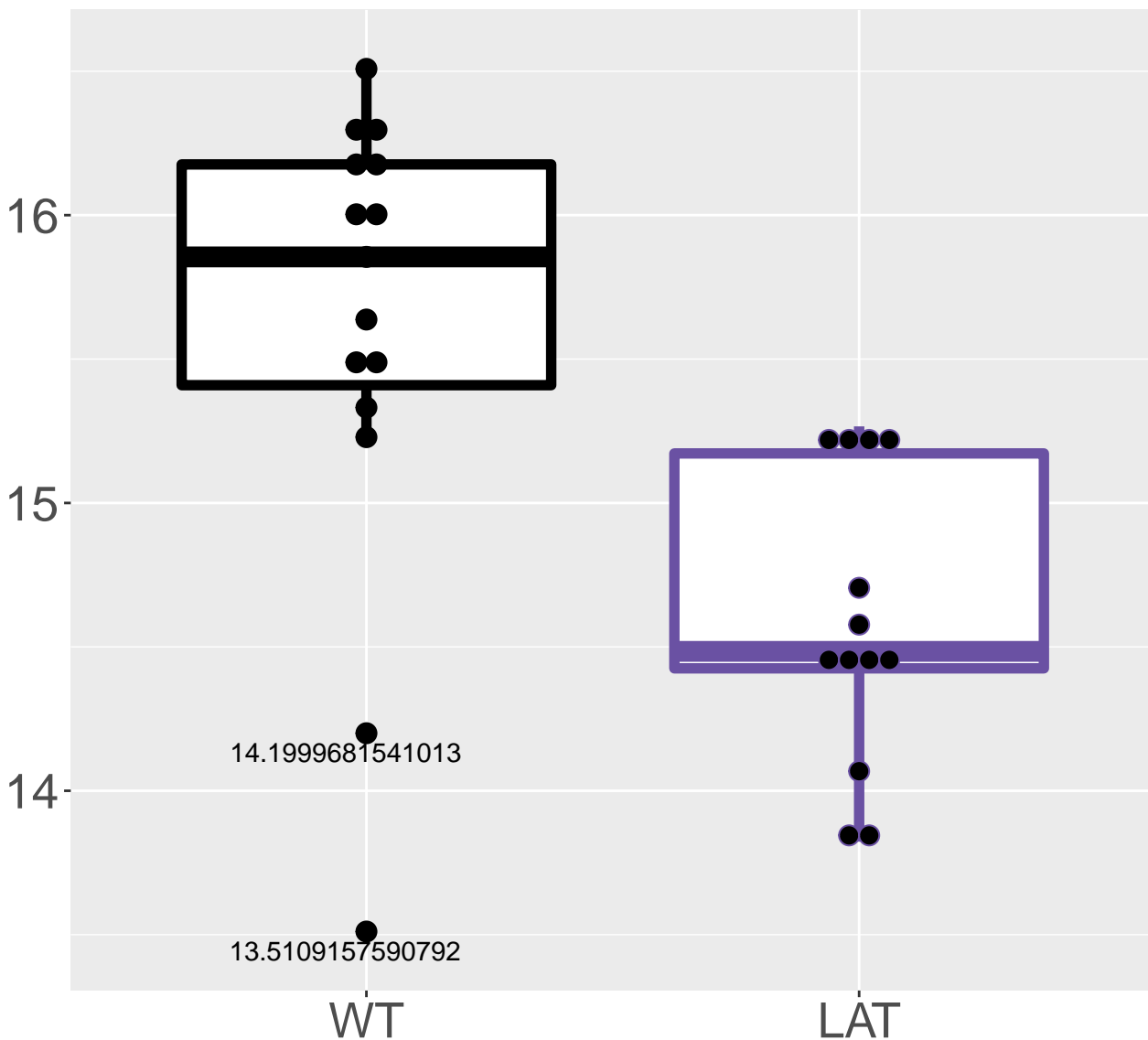


**M660.4896T298.21**

**FDR = 0.0028, FC = -0.5, sex\*\***

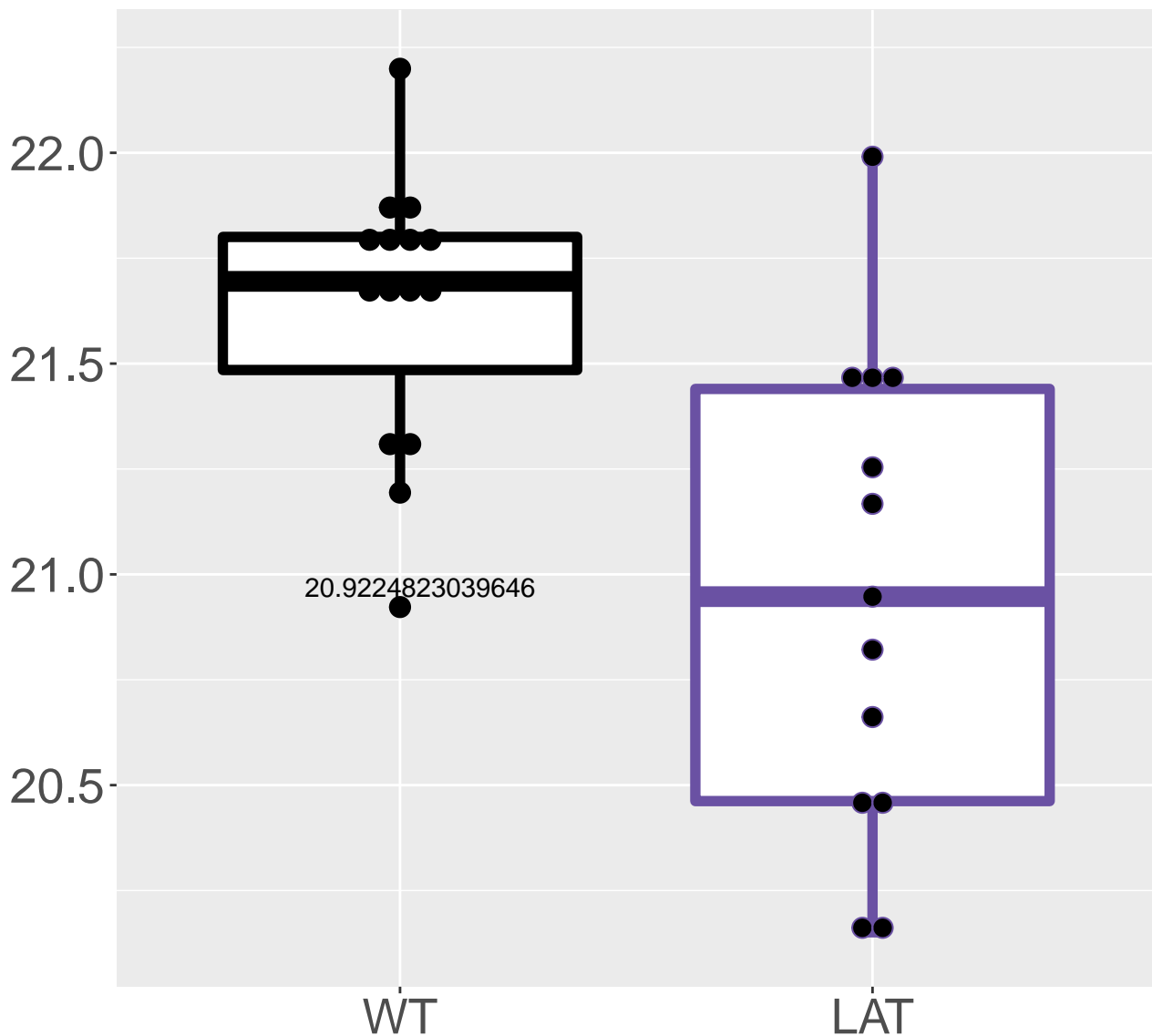


**M562.51T330.65\_1**  
**FDR = 0.0029, FC = -1**



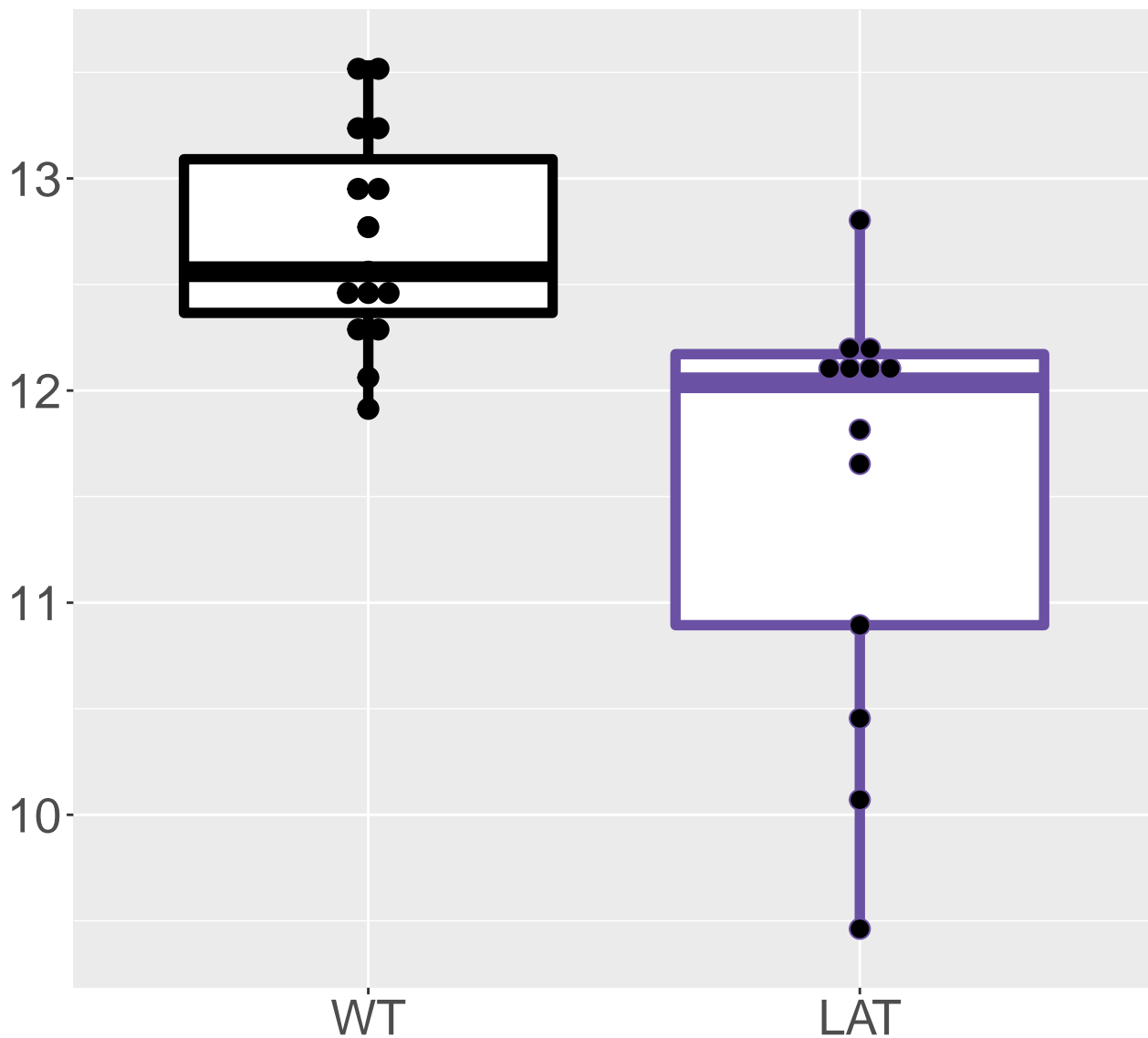
**M264.1453T80.02**

**FDR = 0.0029, FC = -0.67**



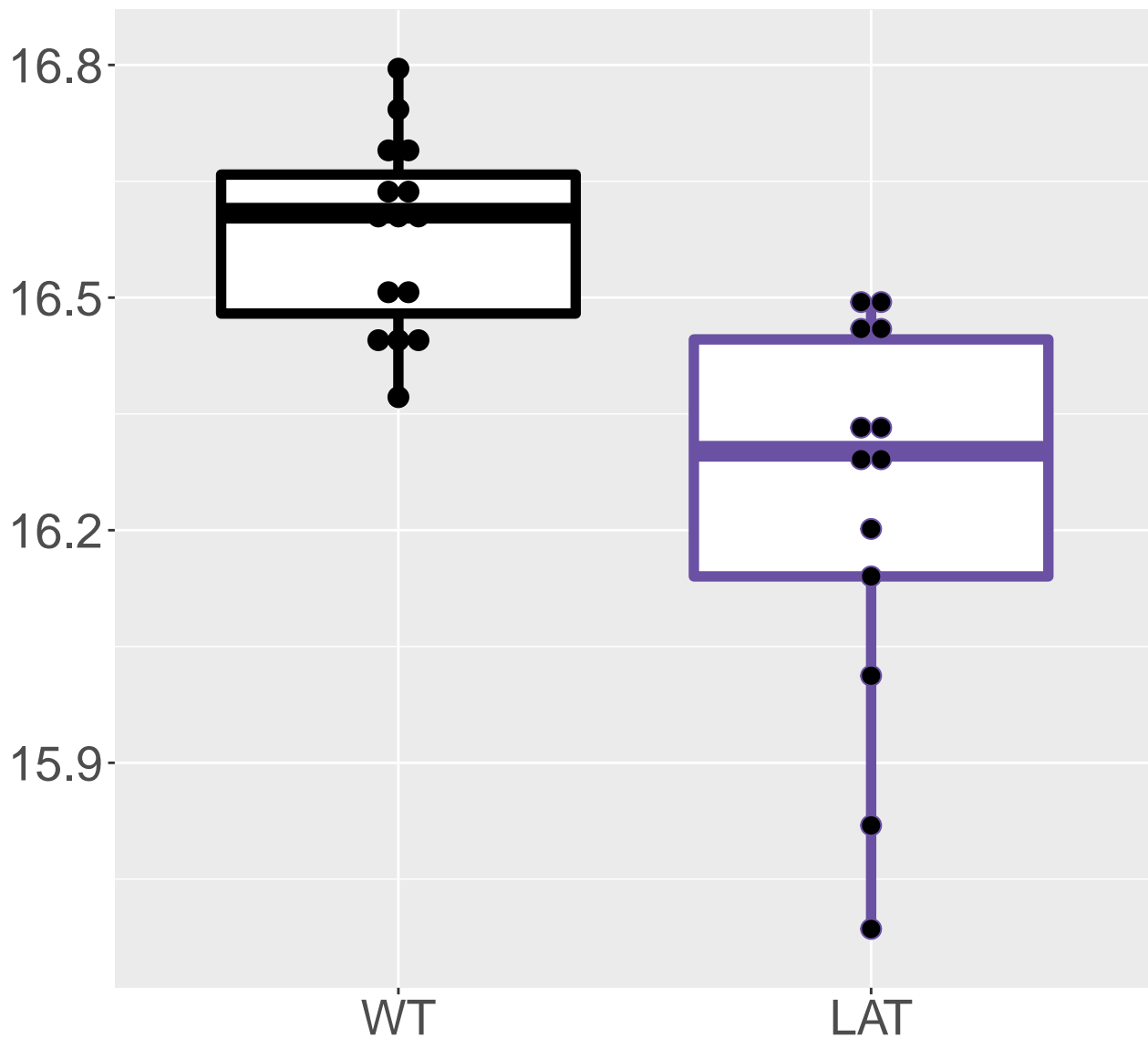
**M533.1904T107.9**

**FDR = 0.0029, FC = -1.2**

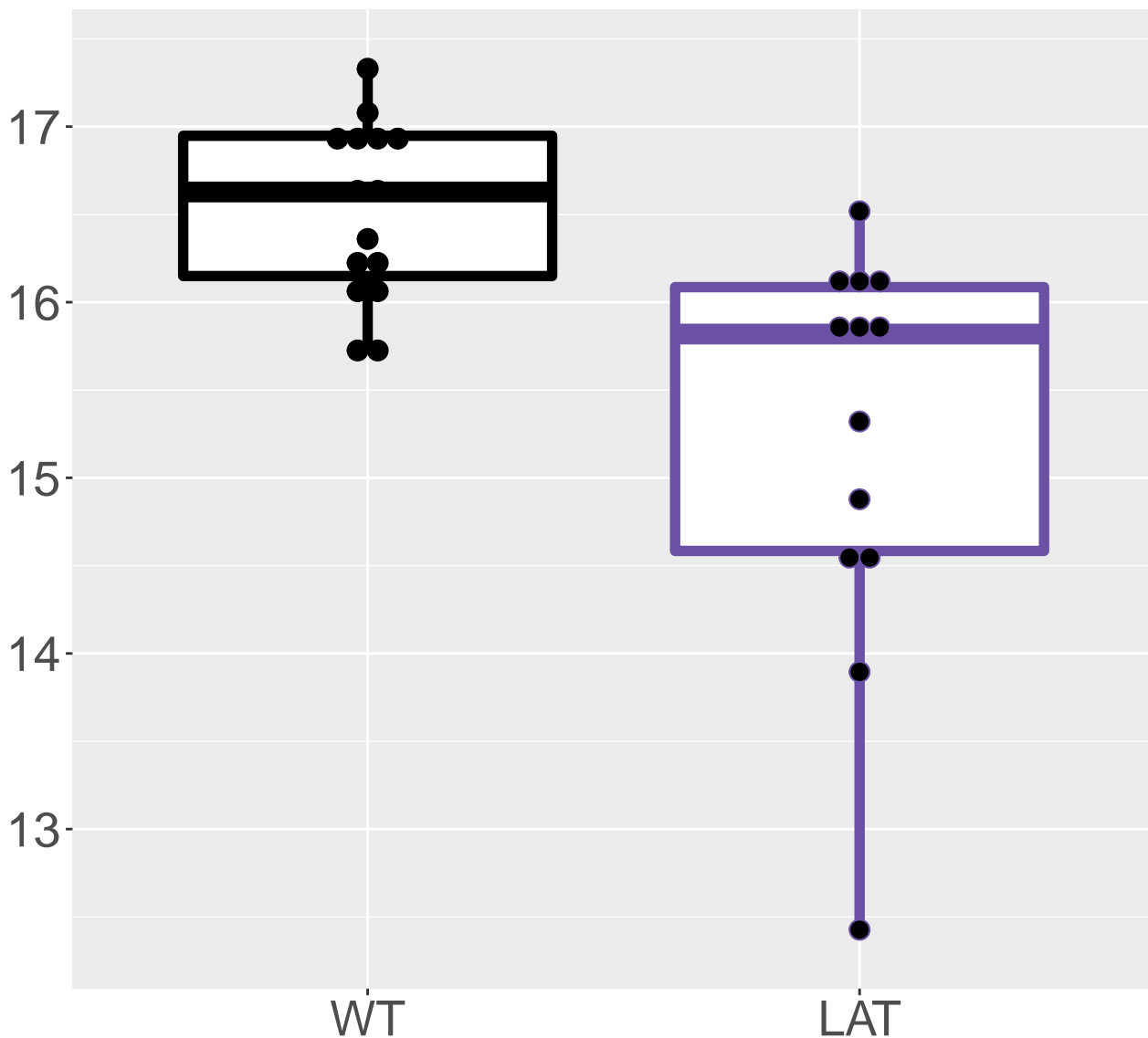




**M276.9976T43.59\_2**  
**FDR = 0.0029, FC = -0.35**

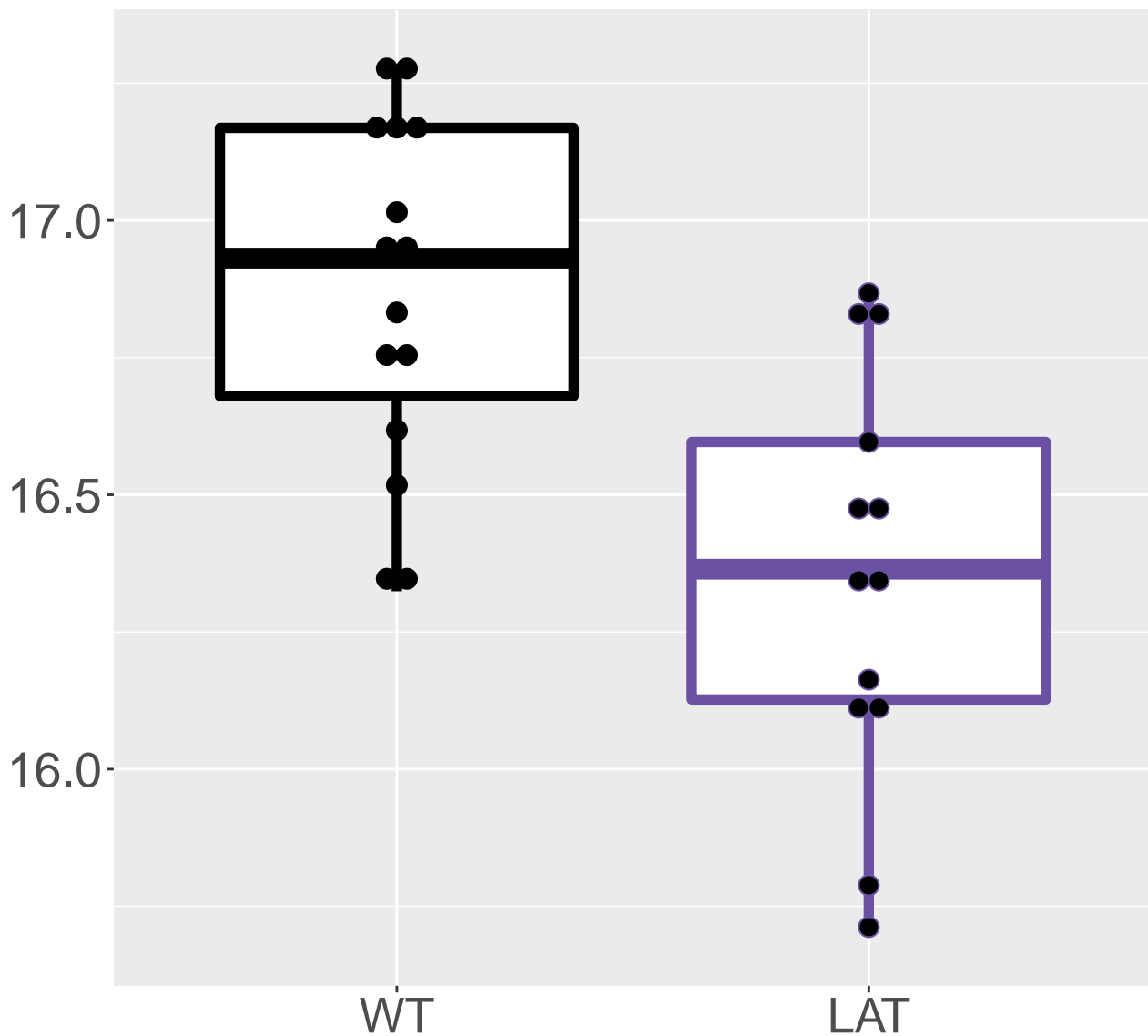


**M135.227T75.64\_24**  
**FDR = 0.003, FC = -1.3**

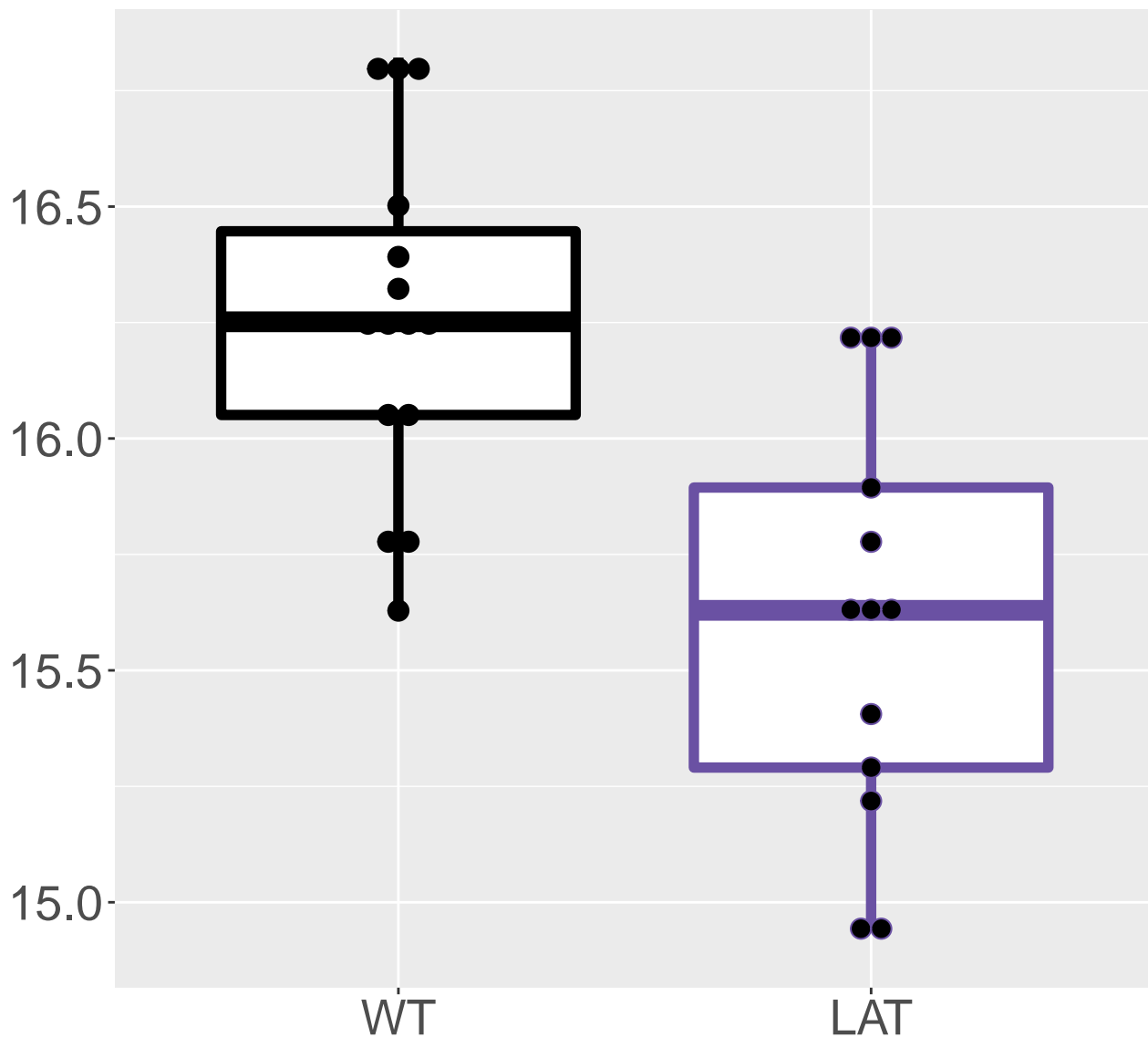


**M166.6618T113.18\_8**

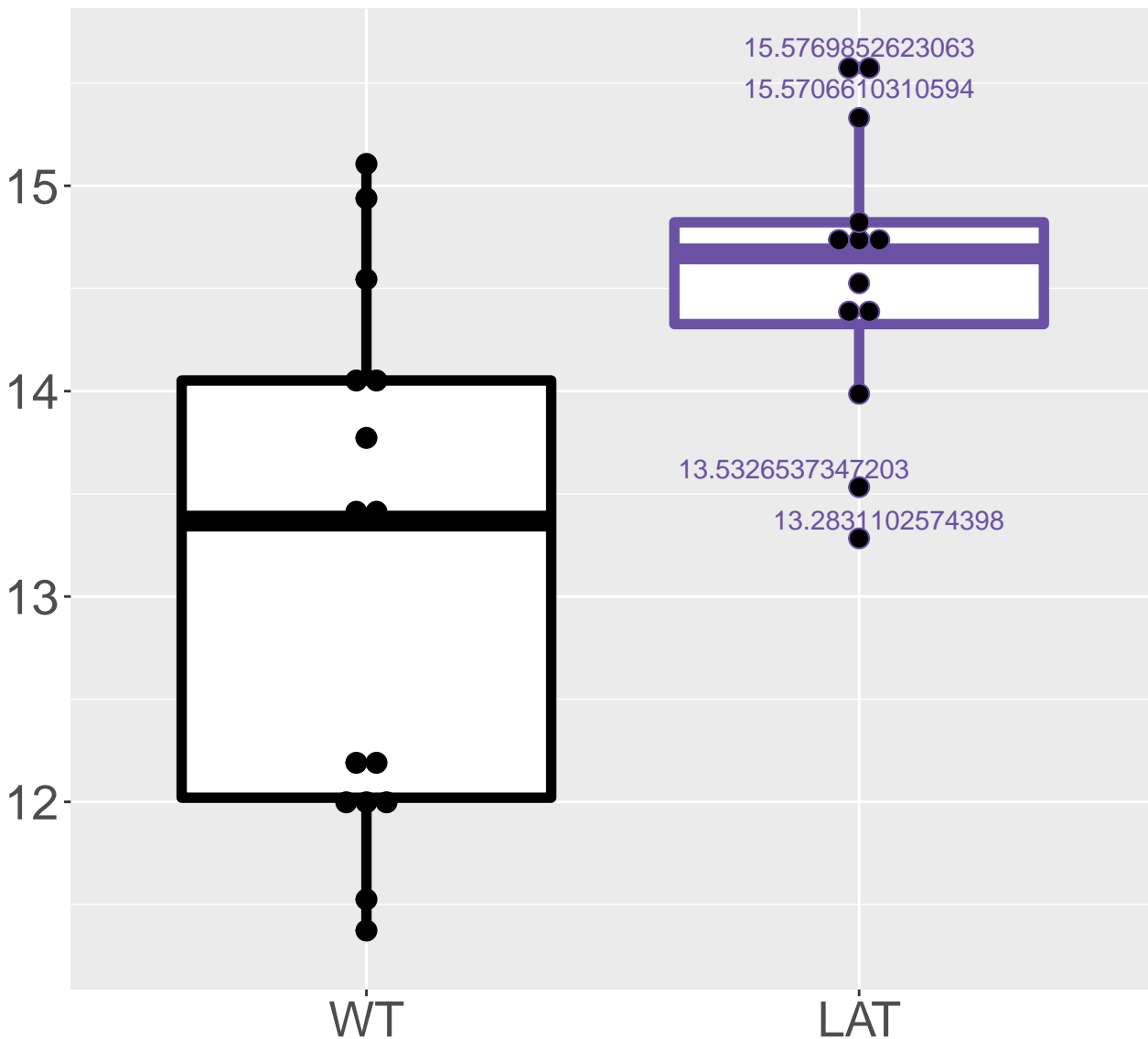
**FDR = 0.003, FC = -0.52**



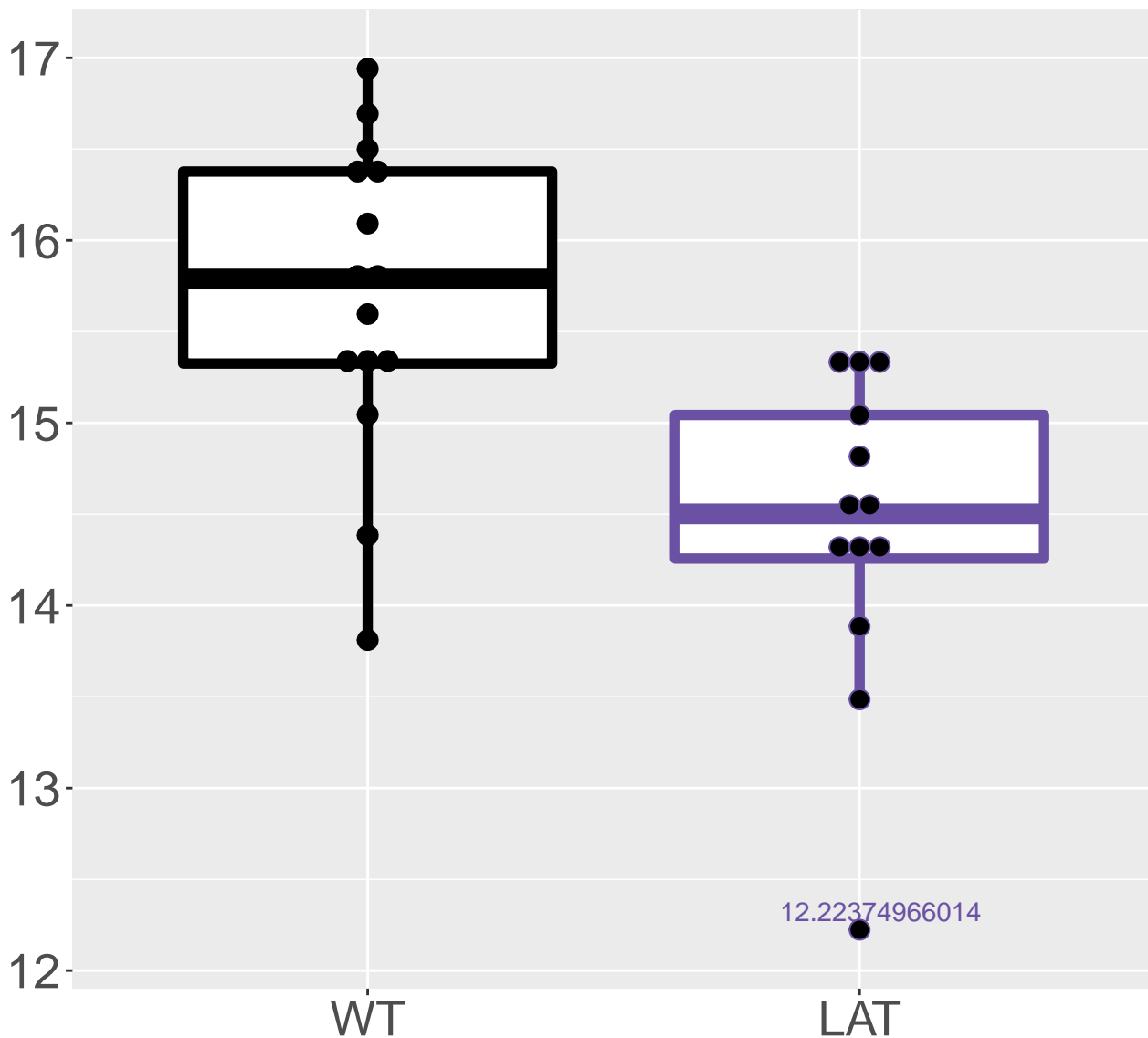
**M169.0352T113.14\_27**  
**FDR = 0.003, FC = -0.64**



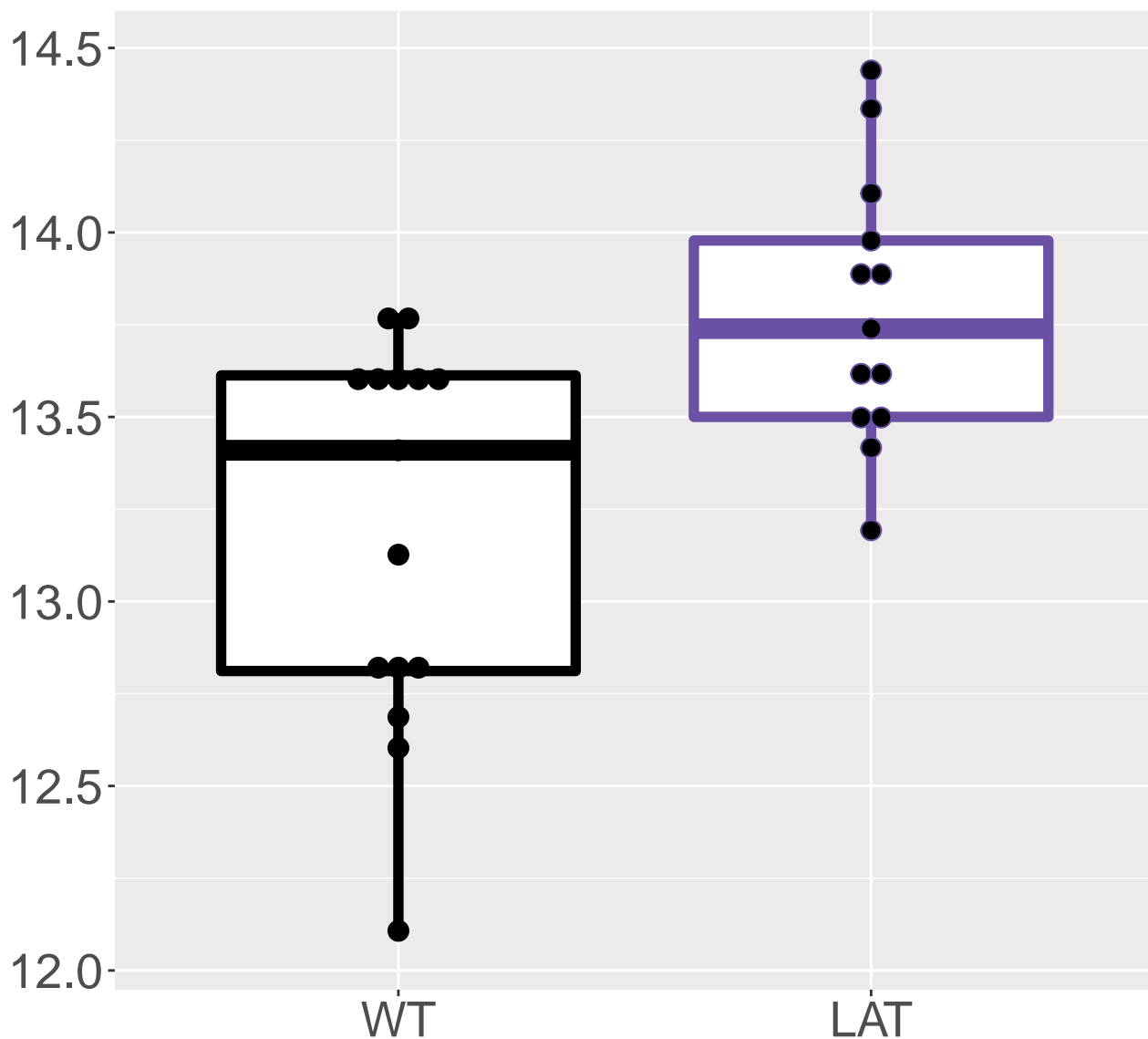
**M241.0836T327.95**  
**FDR = 0.003, FC = 1.5**



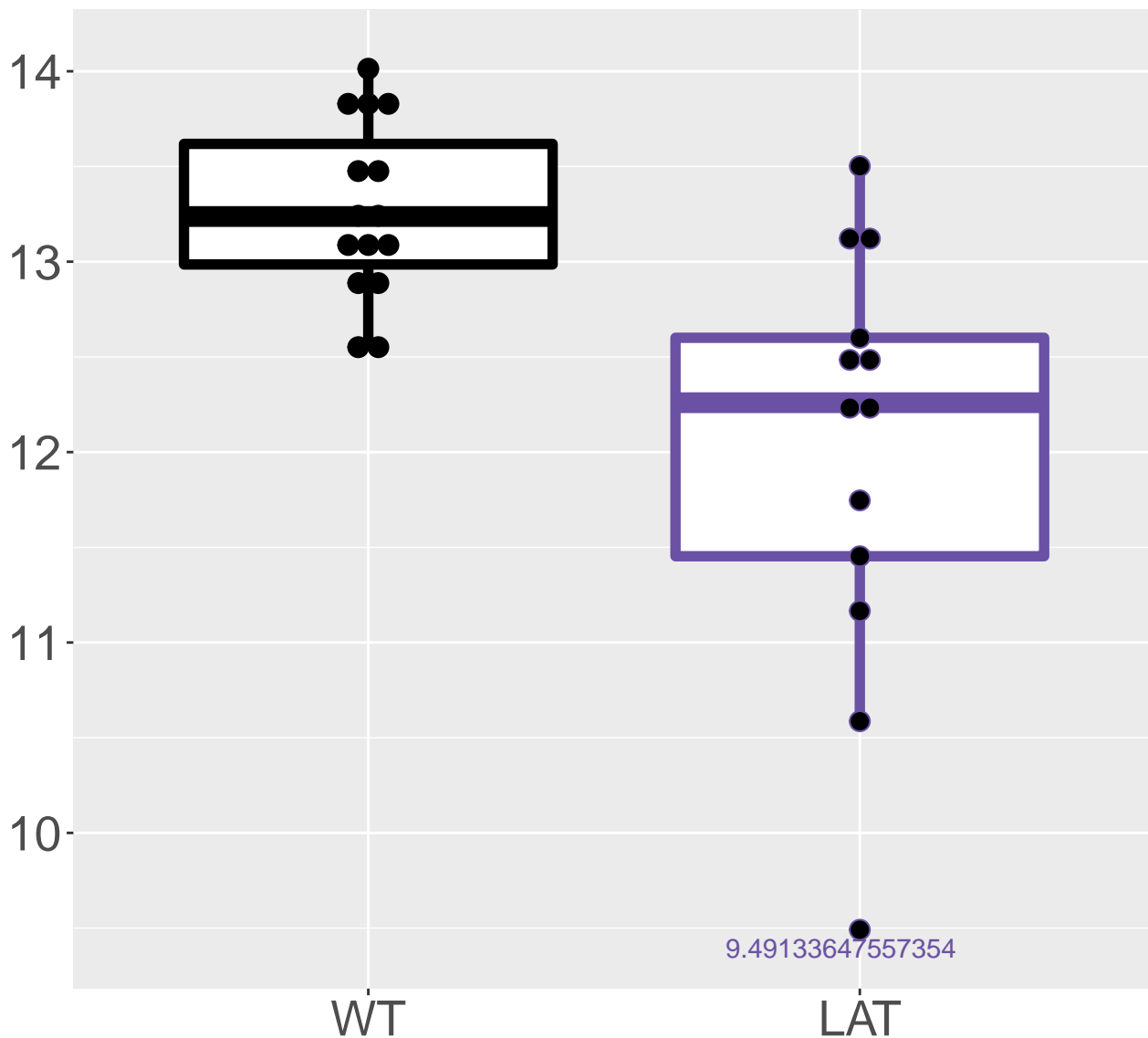
**M445.7481T343.22\_1**  
**FDR = 0.003, FC = -1.3**



**M399.1958T257.87**  
**FDR = 0.003, FC = 0.59**

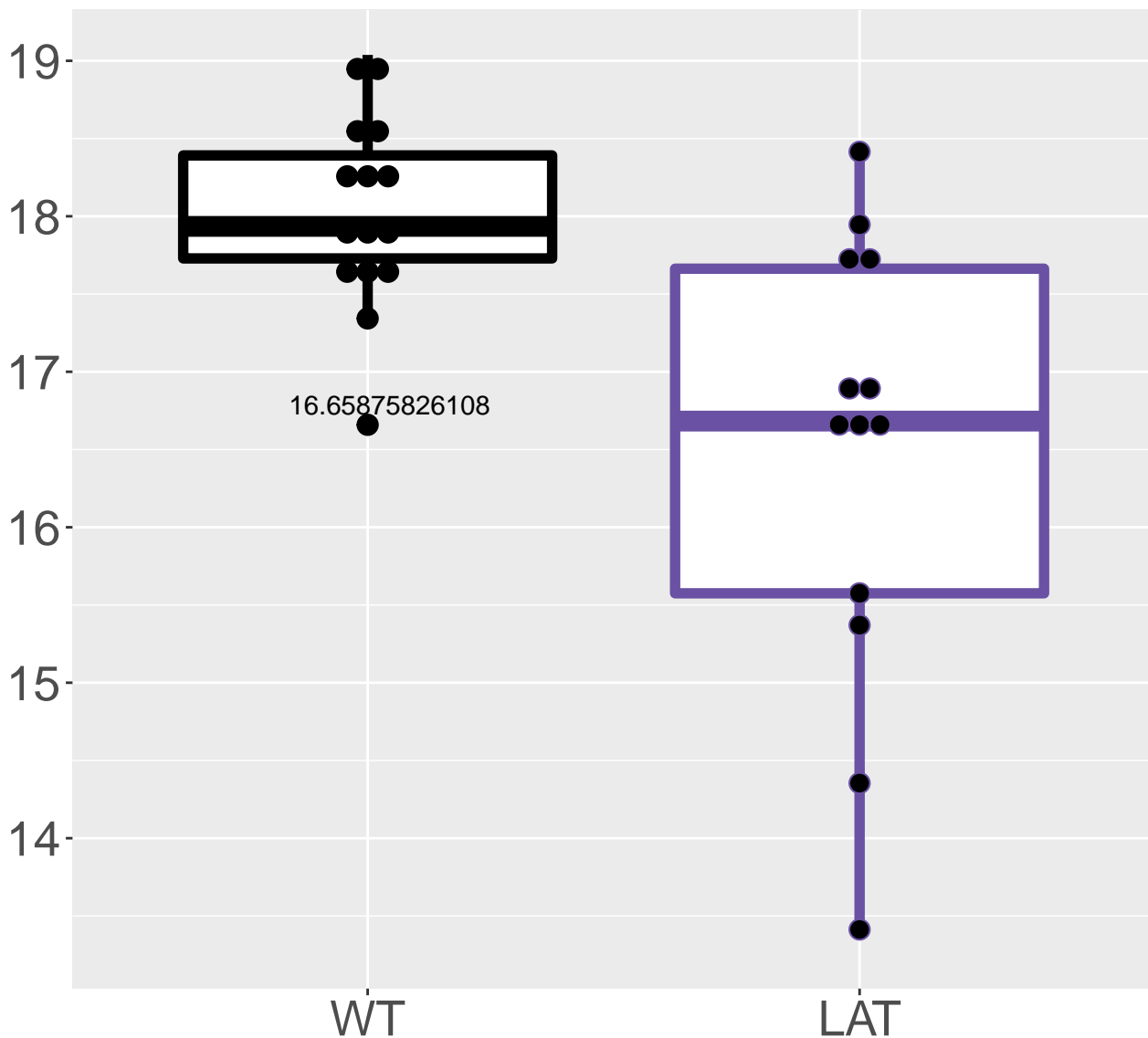


**M390.4154T315.36\_2**  
**FDR = 0.003, FC = -1.3**



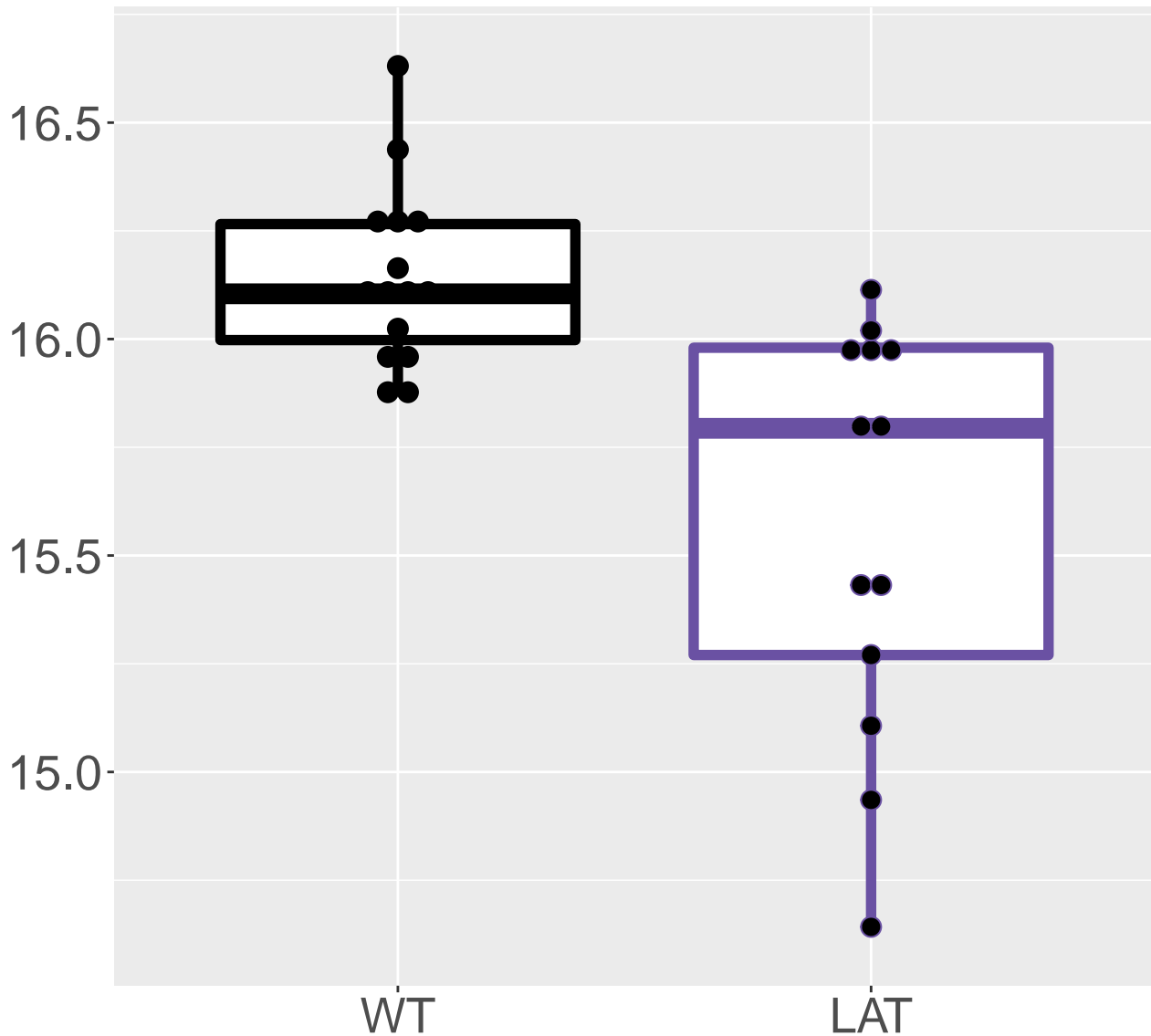


**M814.2856T48.77**  
**FDR = 0.0031, FC = -1.5**



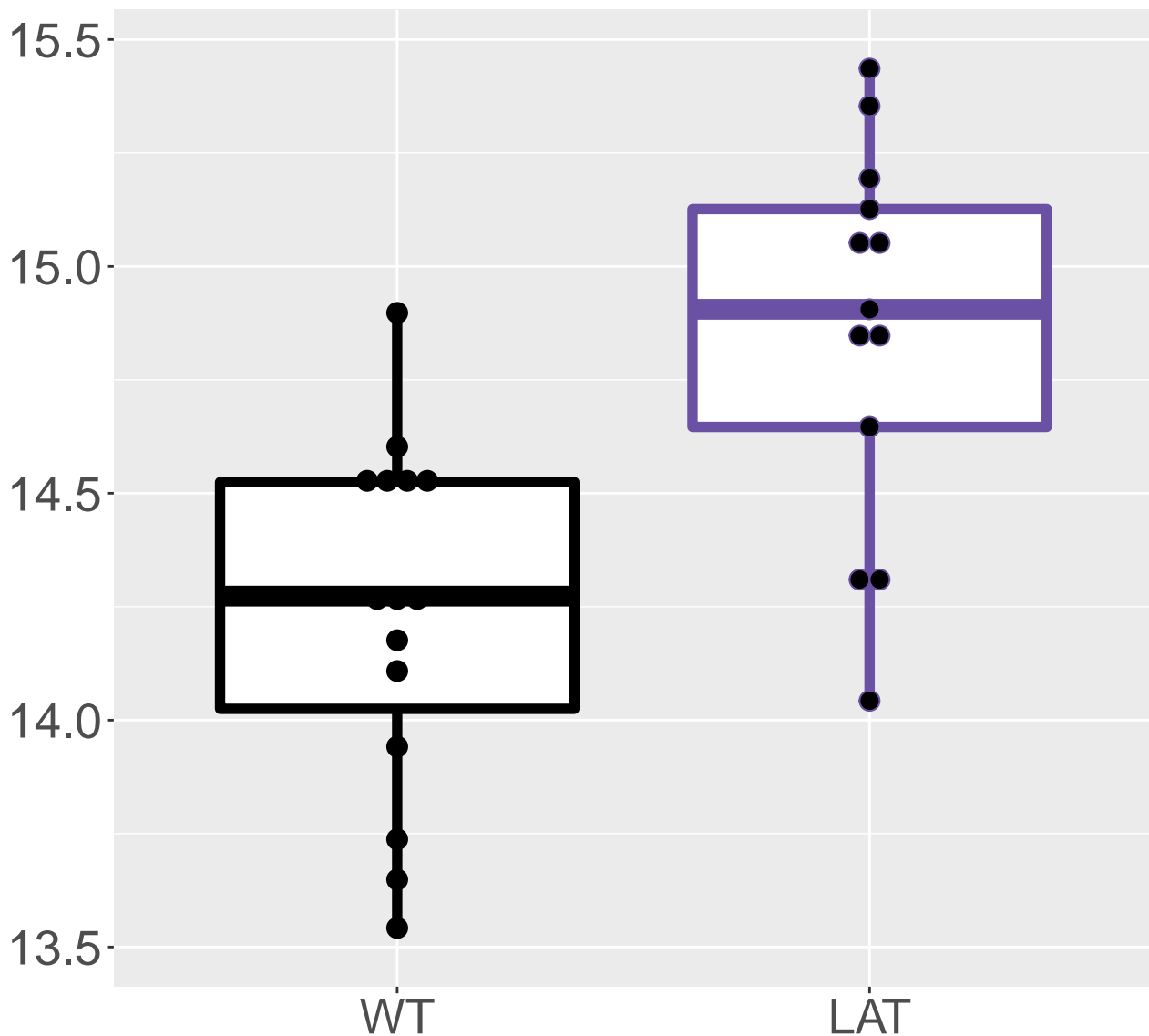
**M170.6523T113.12\_6**

**FDR = 0.0031, FC = -0.57**

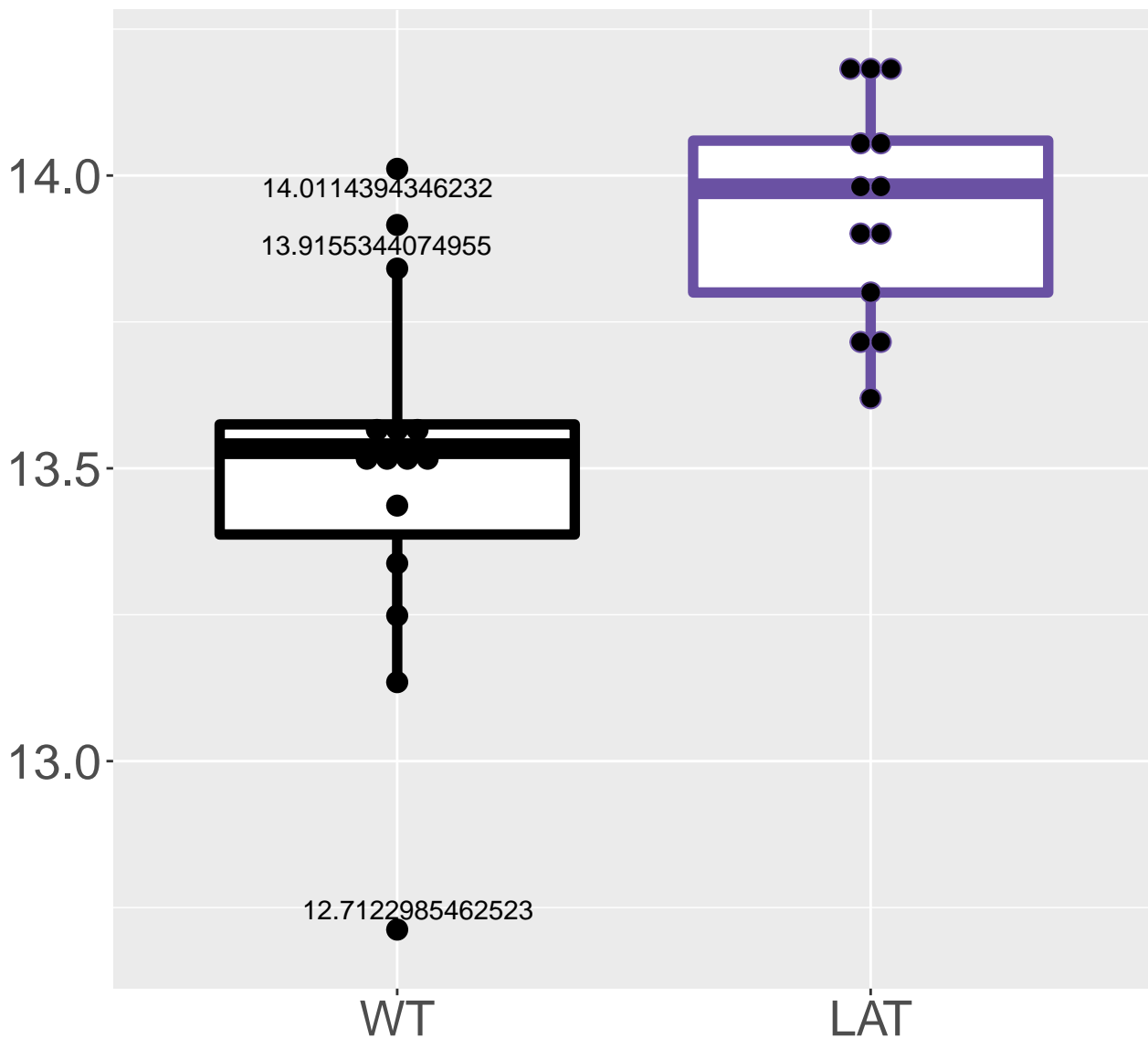


**M371.2304T306.83**

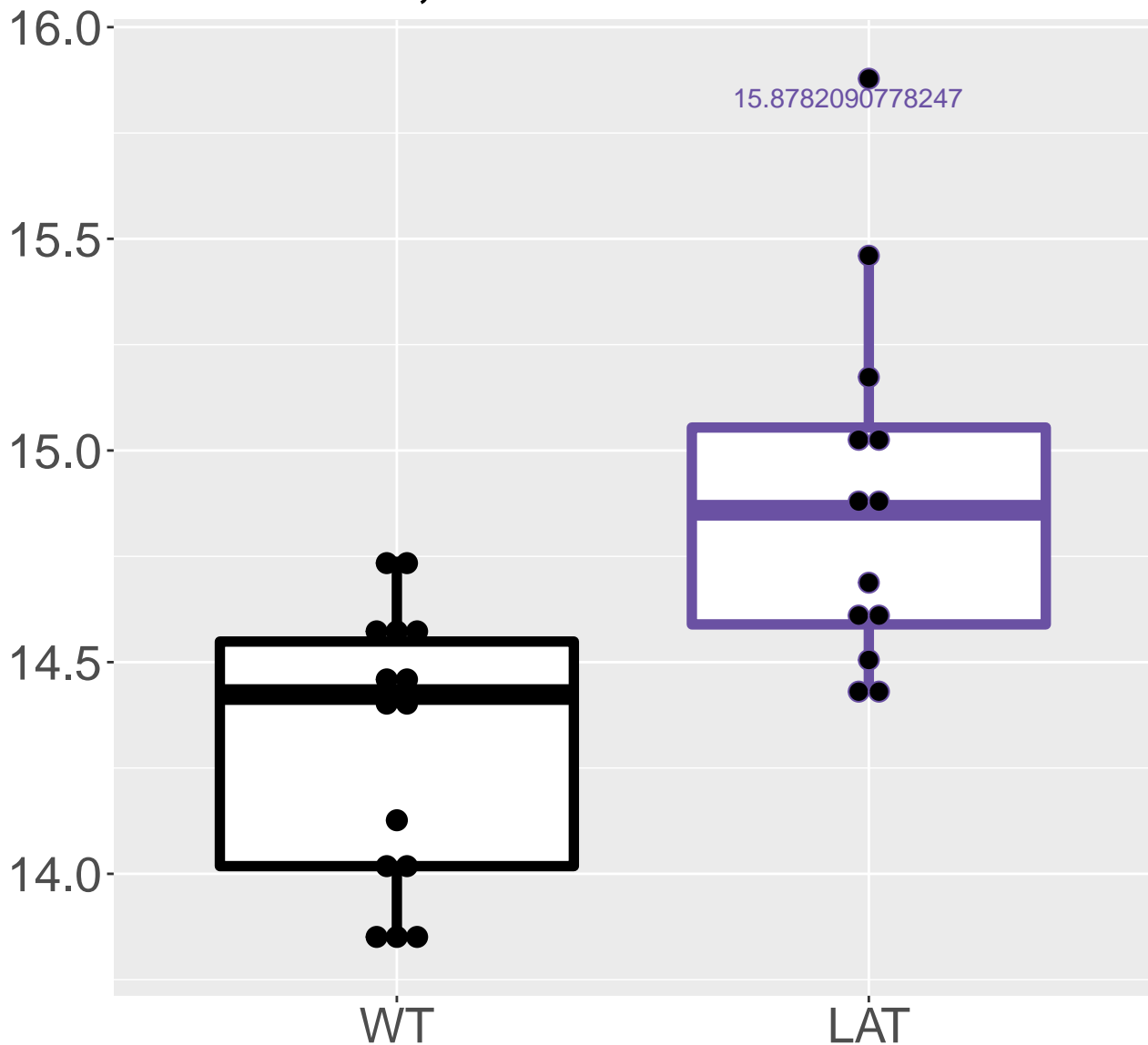
**FDR = 0.0032, FC = 0.62**



**M737.4253T321.87\_2**  
**FDR = 0.0032, FC = 0.45**

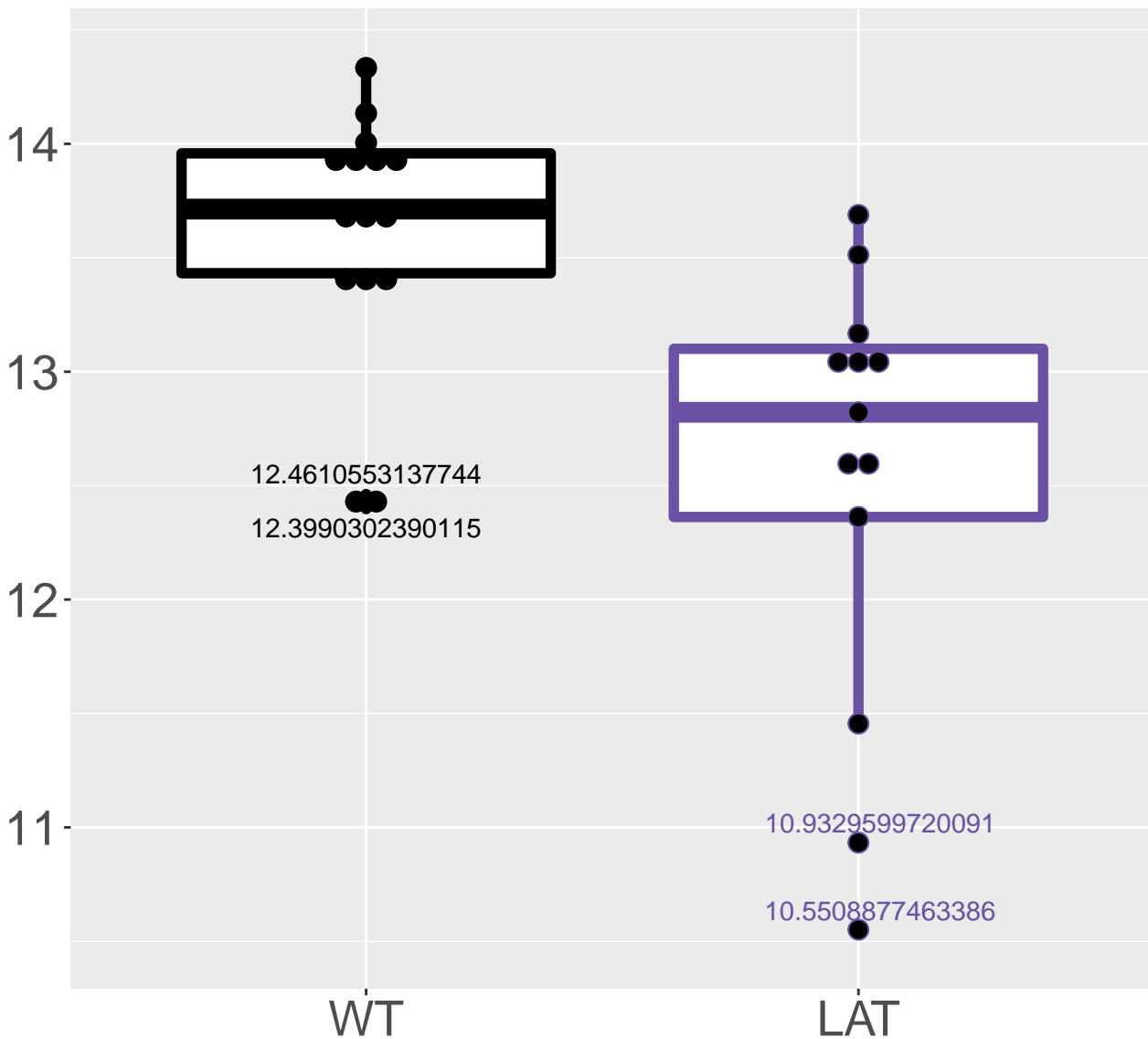


**M251.1868T357.04**  
**FDR = 0.0032, FC = 0.58**

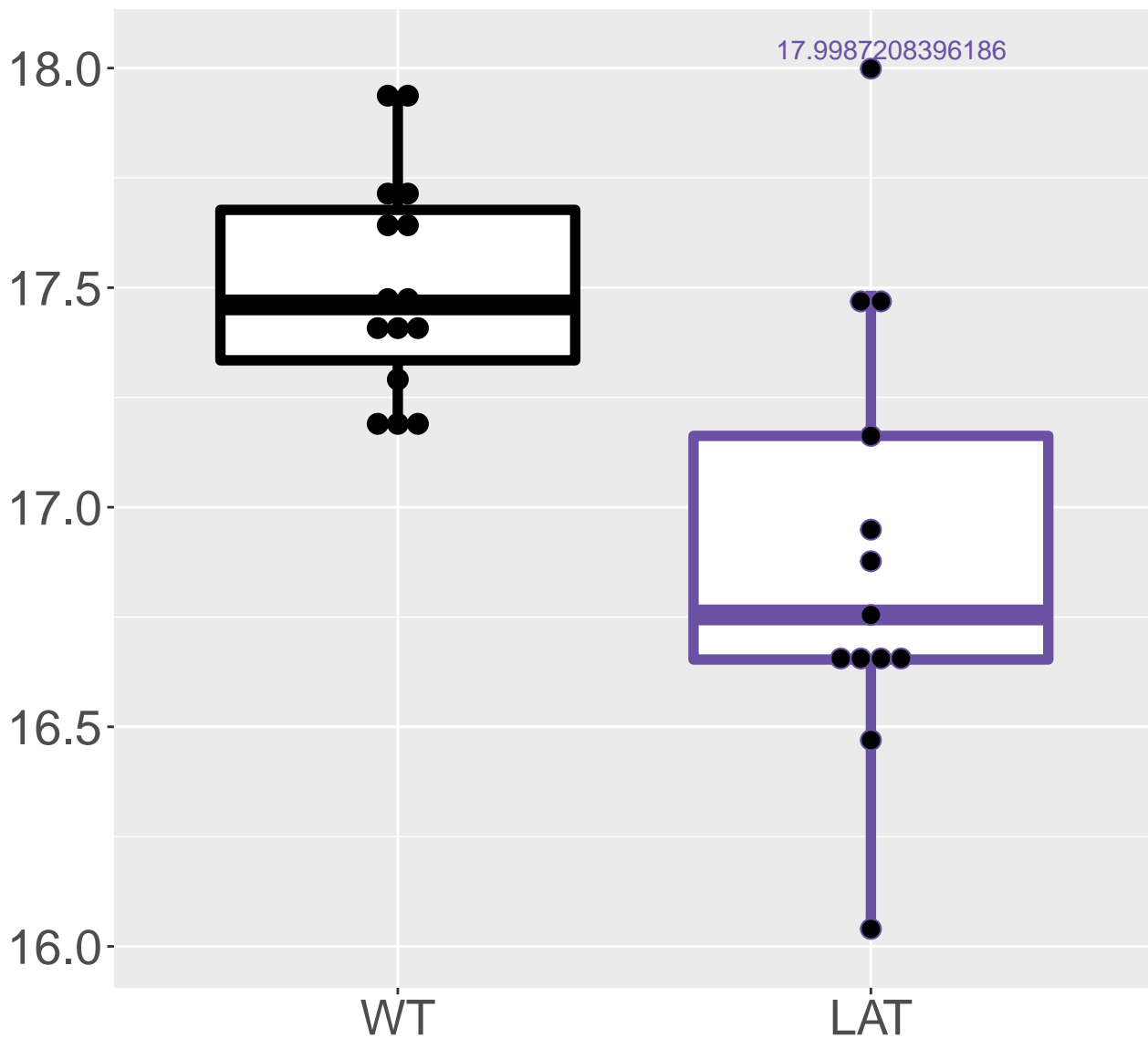


**M555.99T314.03\_1**

**FDR = 0.0032,  $\overline{FC} = -1.1$**

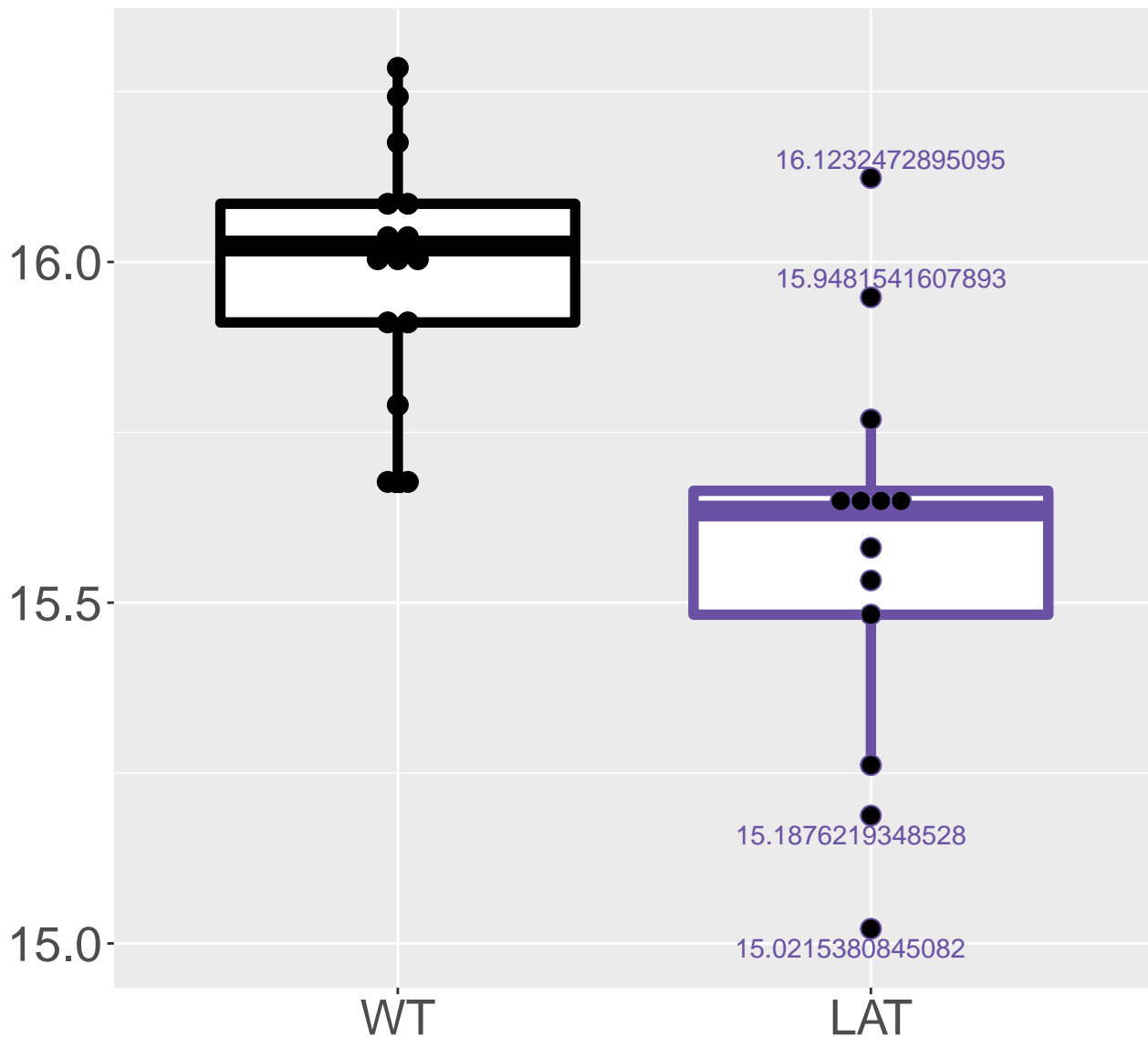


**M403.1578T50.01**  
**FDR = 0.0032, FC = -0.6**



**M243.364T113.27**

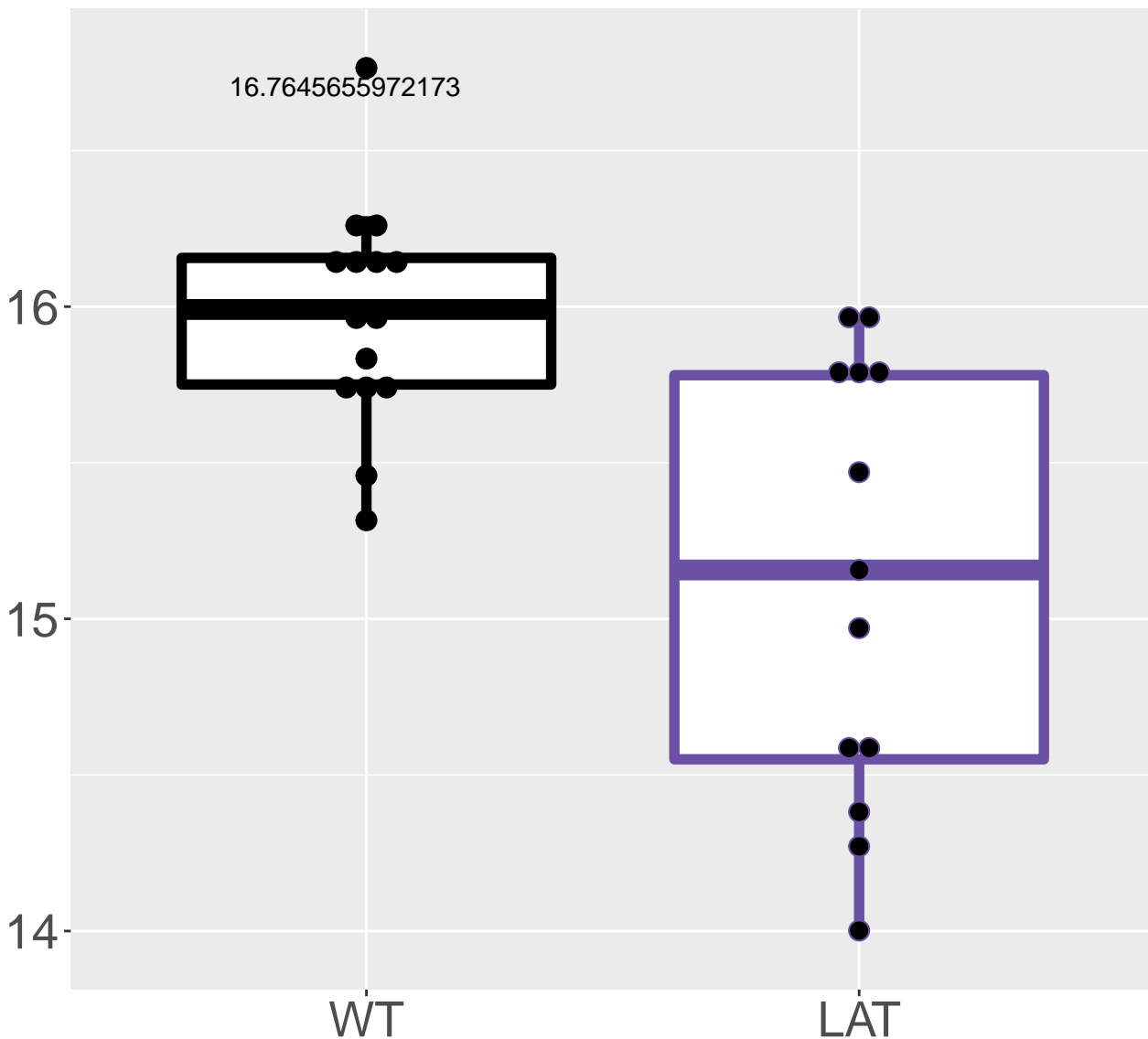
**FDR = 0.0032, FC = -0.42**





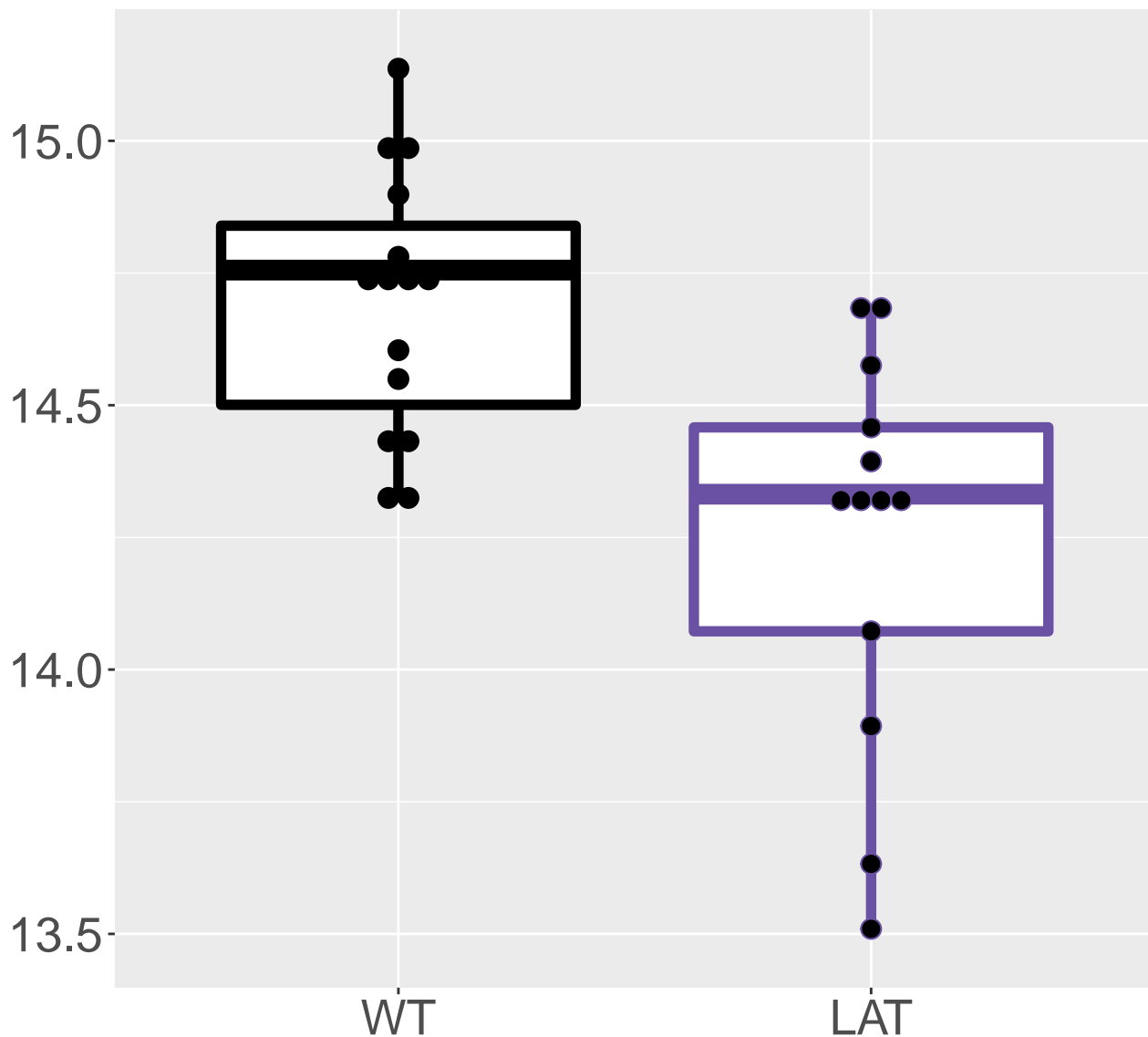
**M160.4929T113.12\_45**

**FDR = 0.0032, FC = -0.84**

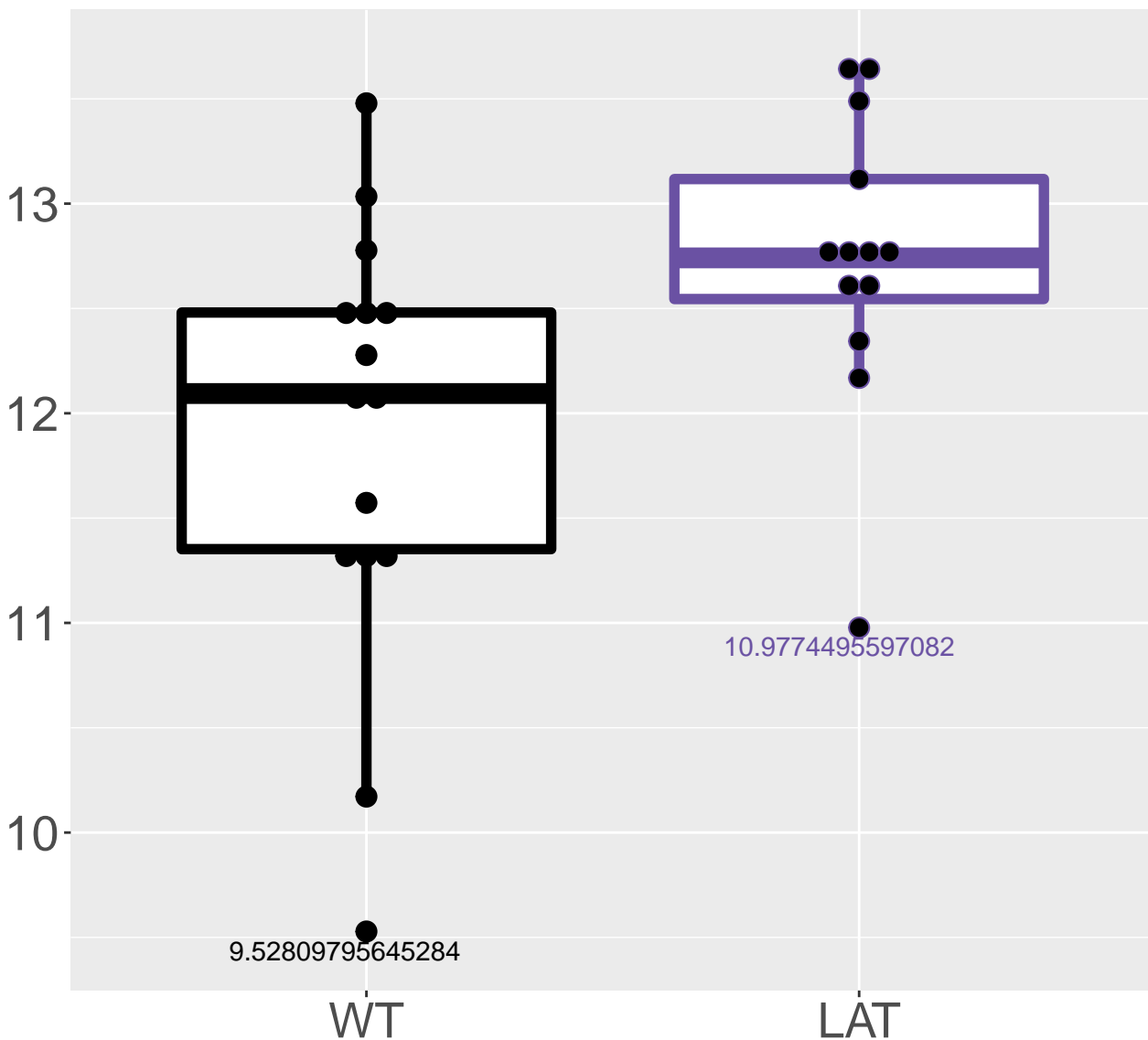


**M209.0496T43.55\_3**

**FDR = 0.0032, FC = -0.45, sex\***

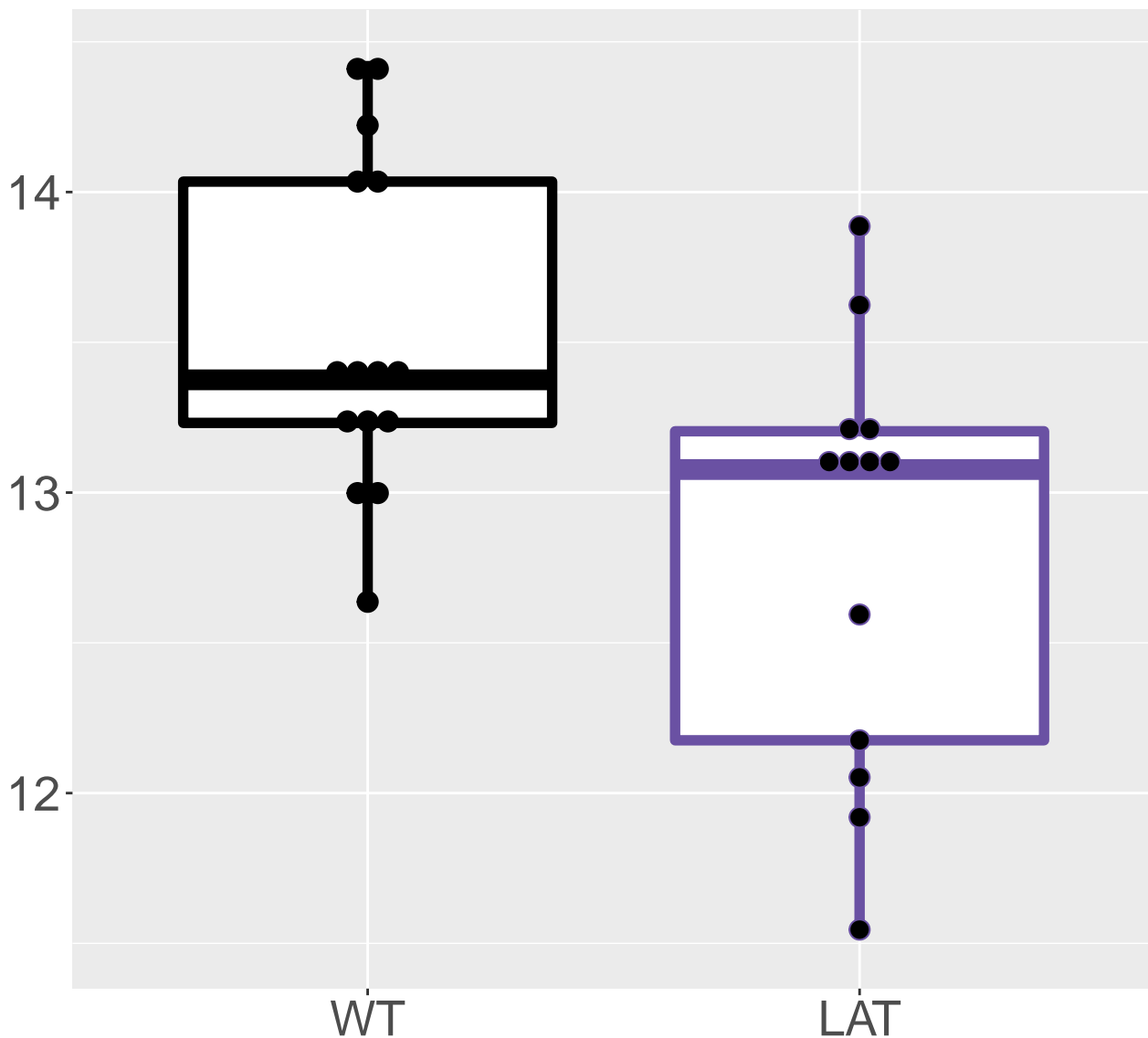


**FDR = 0.0033, FC = 0.85, sex\*\*\***

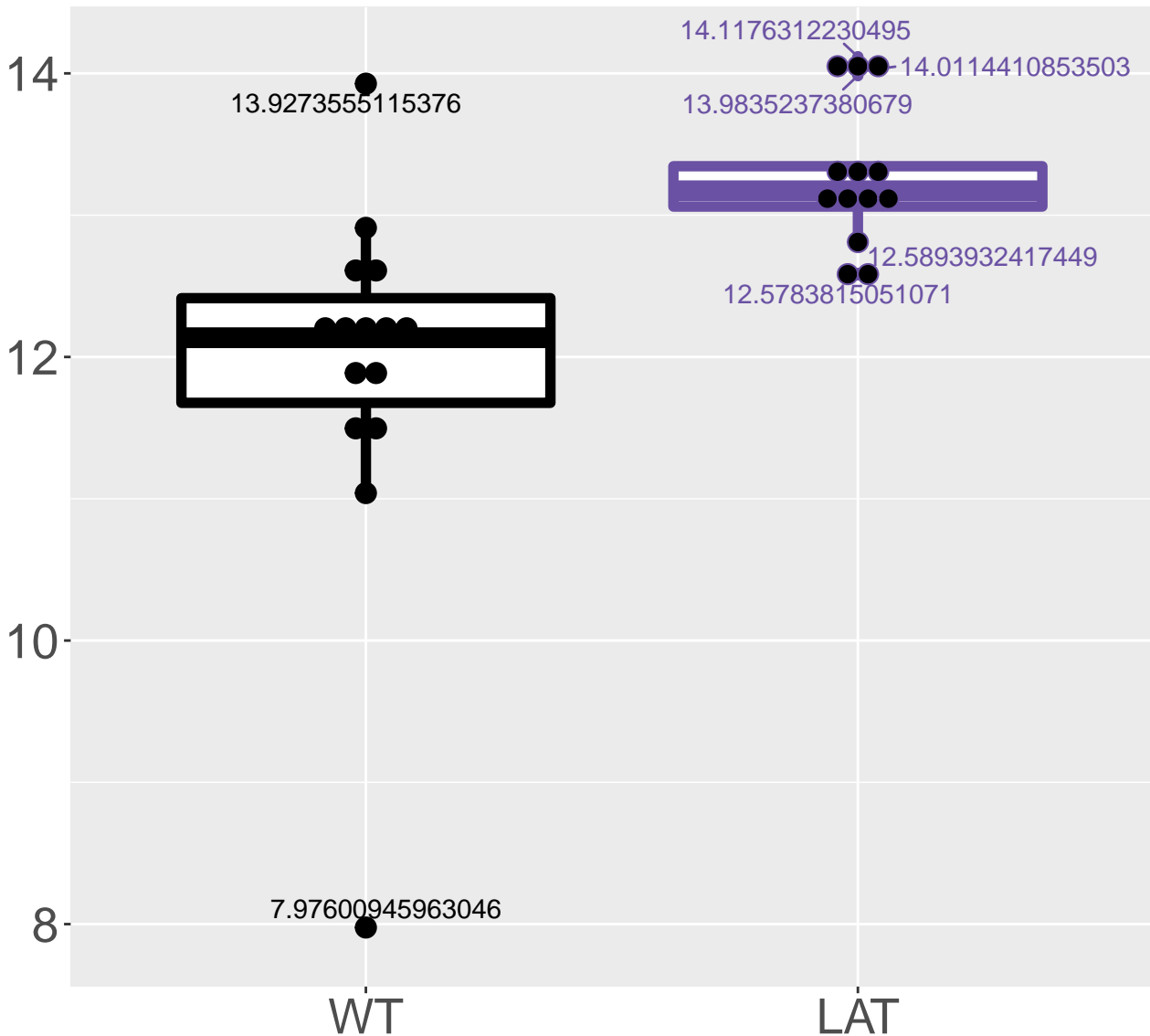


**M598.3512T330.12**

**FDR = 0.0033, FC = -0.72, sex\***

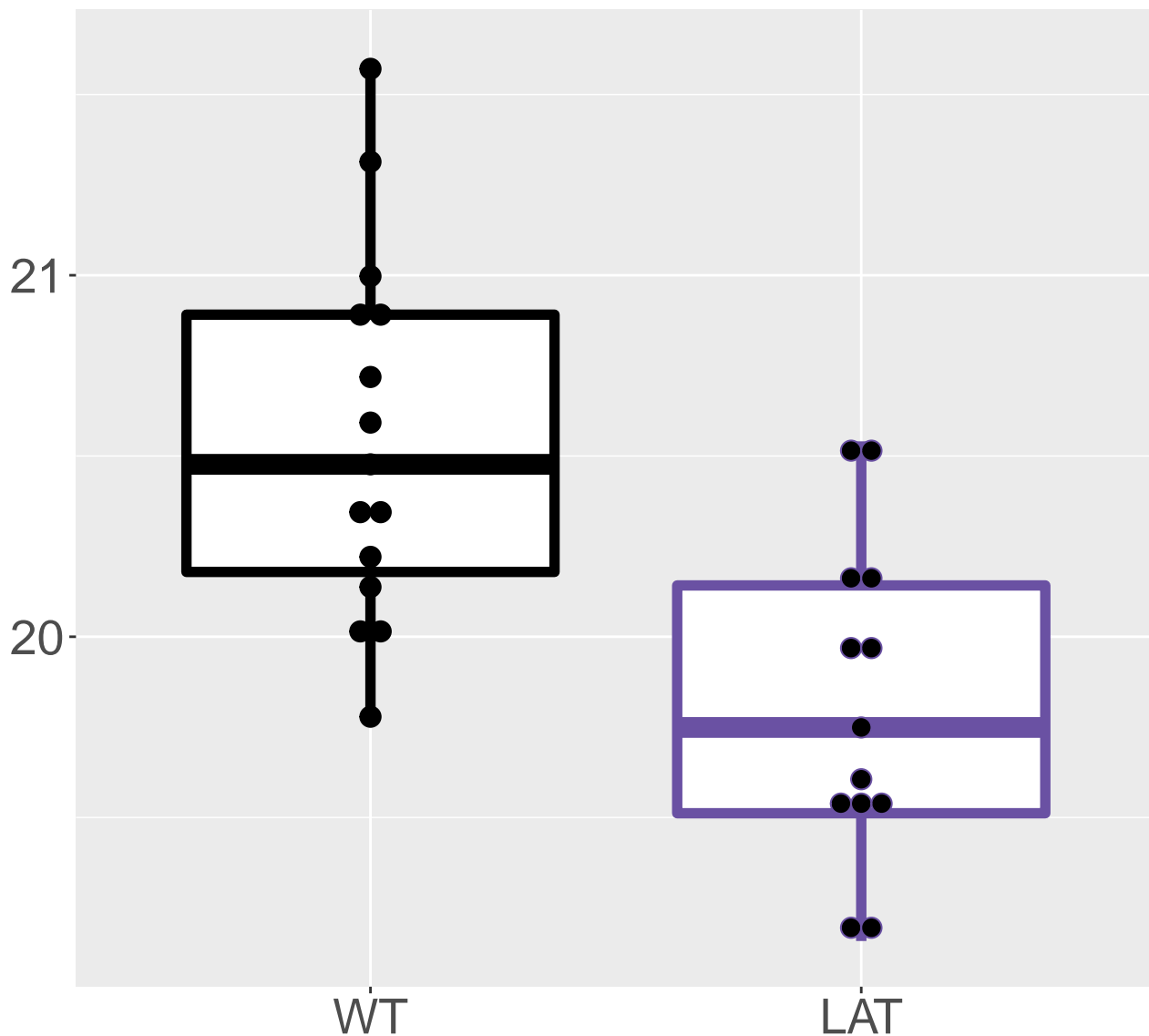


**M527.5969T248.81**  
**FDR = 0.0033, FC = 1.4**



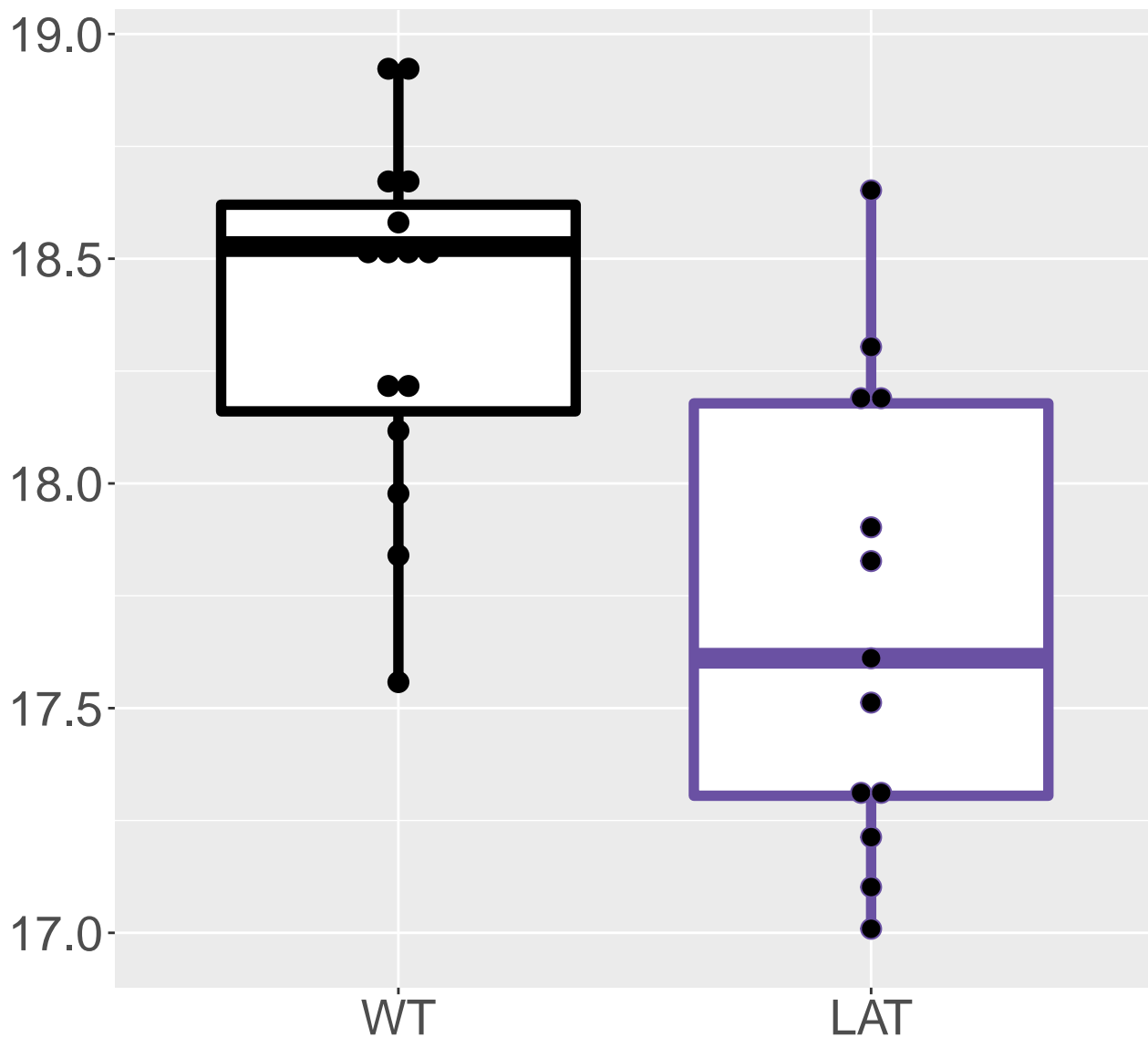
**Riboflavin**

**FDR = 0.0033, FC = -0.74**

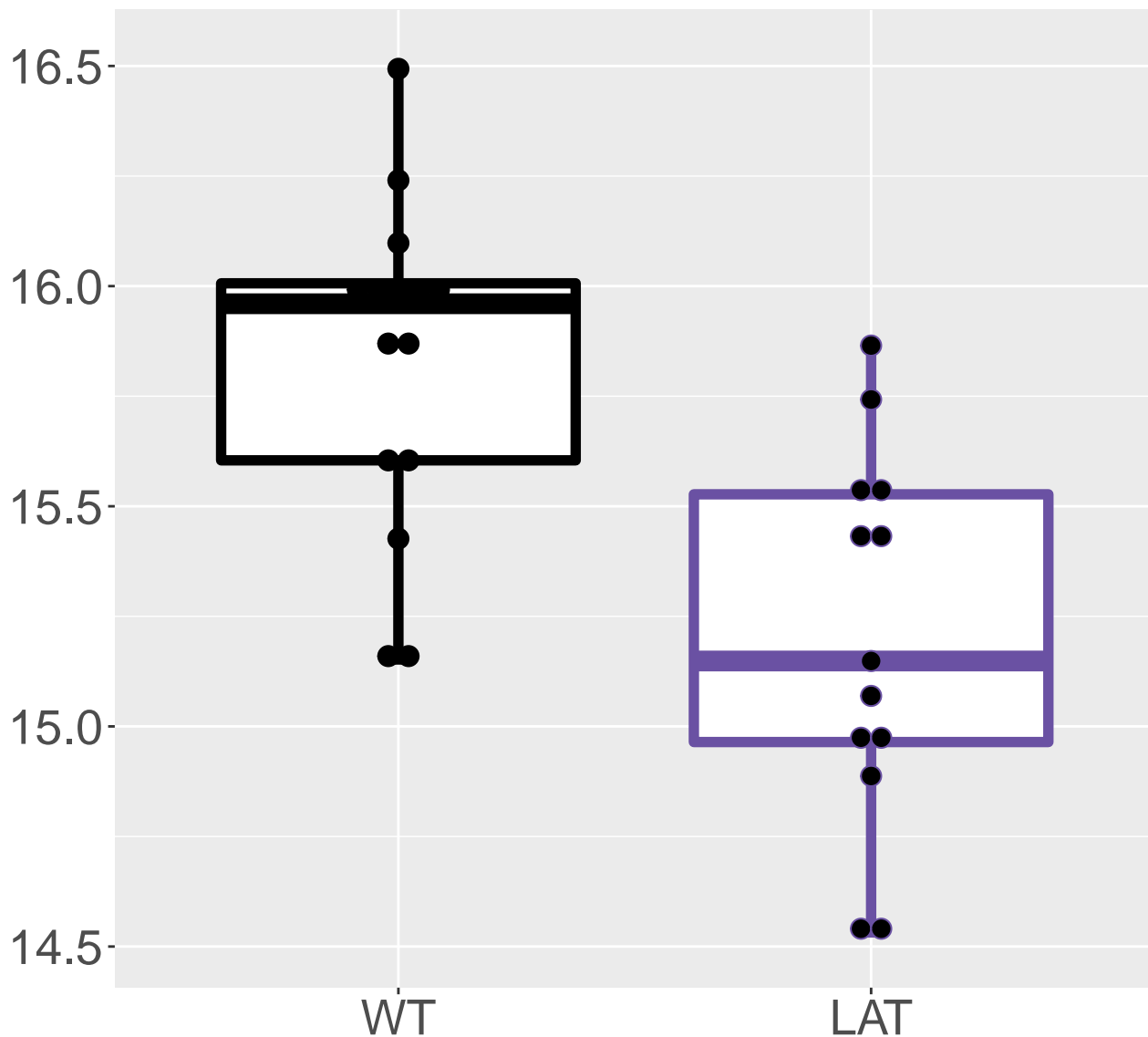


**M360.1516T49.19**

**FDR = 0.0034, FC = -0.68**



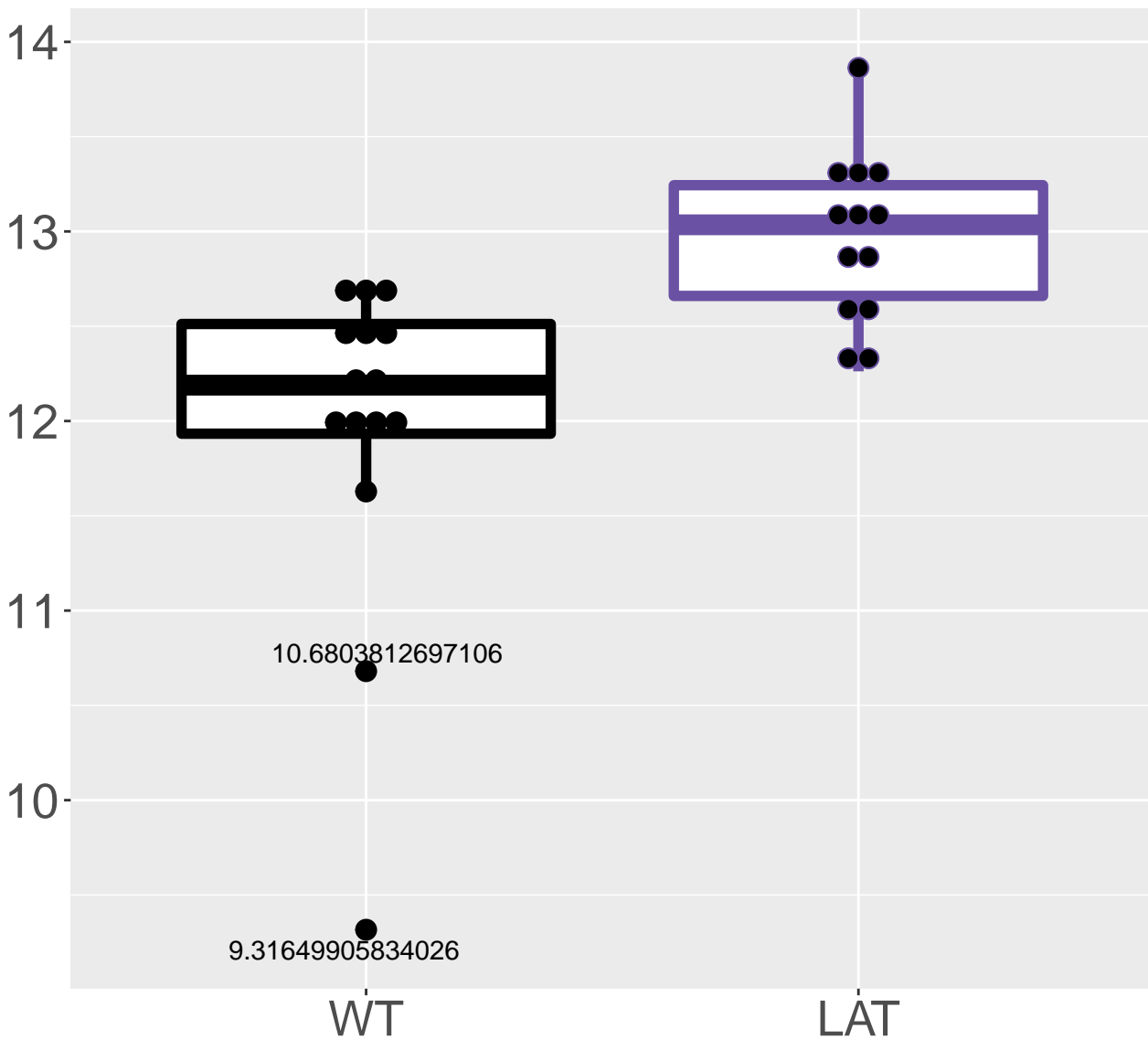
**M159.8274T113.16\_16**  
**FDR = 0.0034, FC = -0.62**



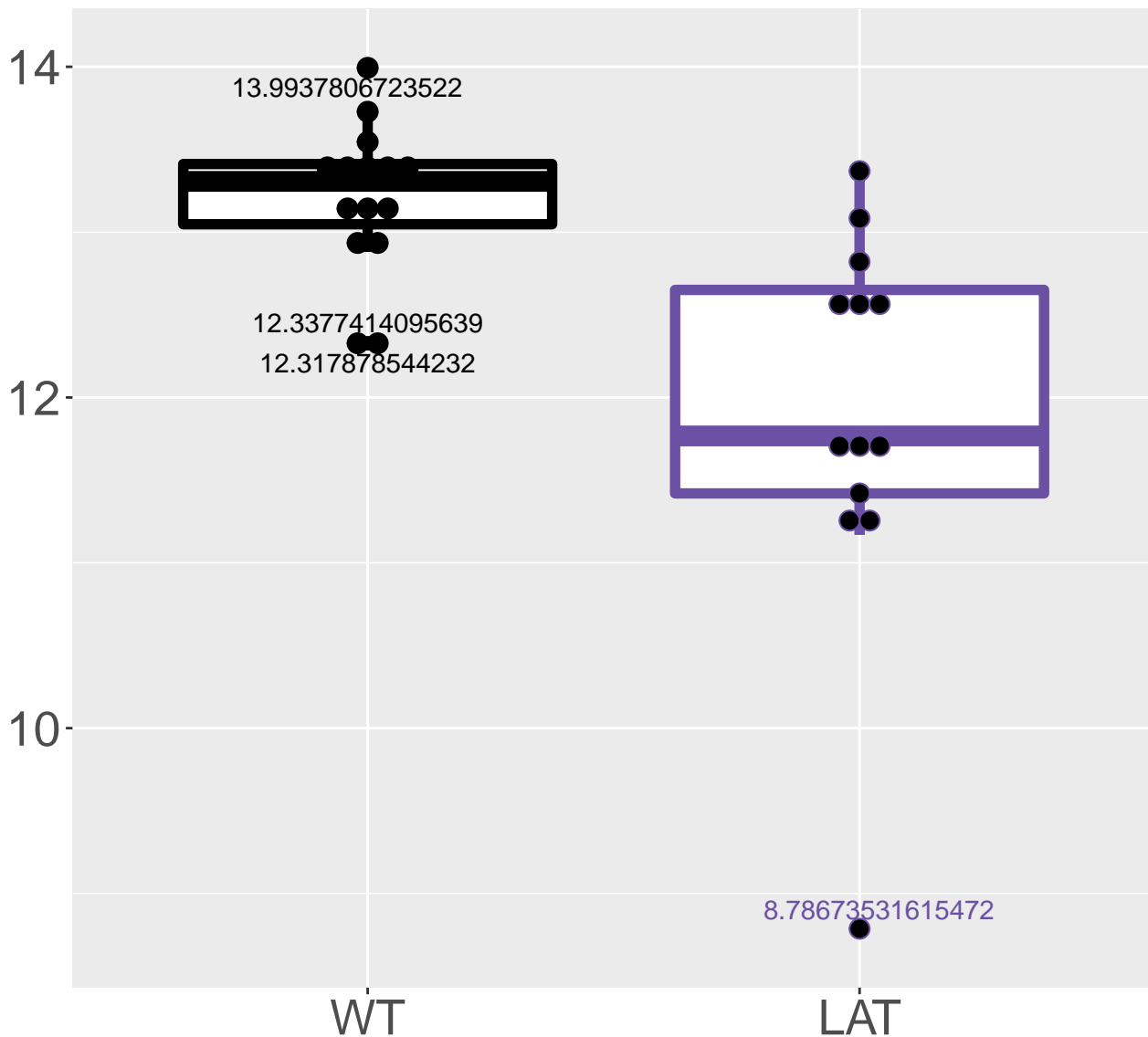


**M466.9648T279.15 1**

**FDR = 0.0034, FC = 1**

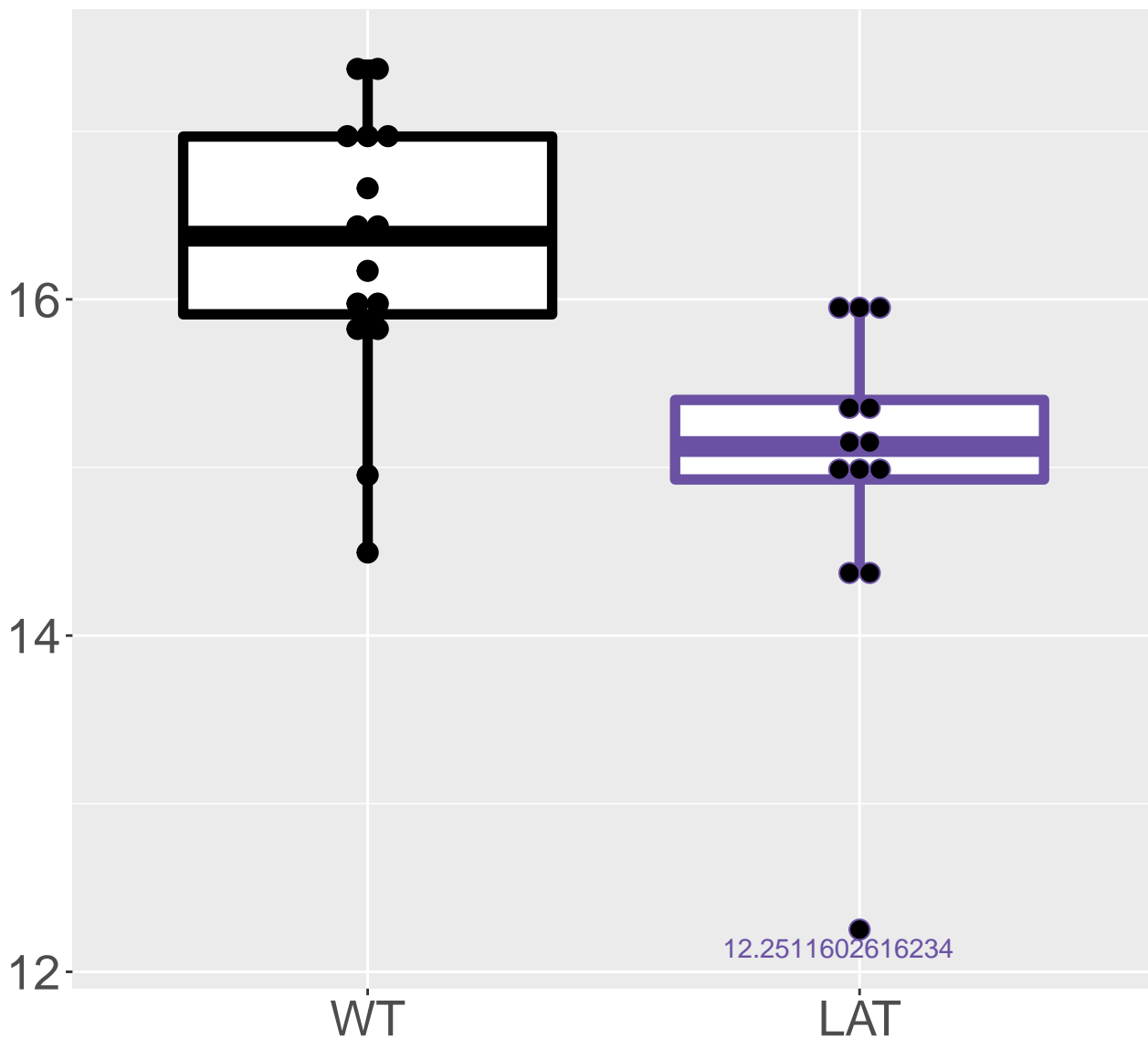


**M390.2146T315.41\_1**  
**FDR = 0.0034, FC = -1.3**



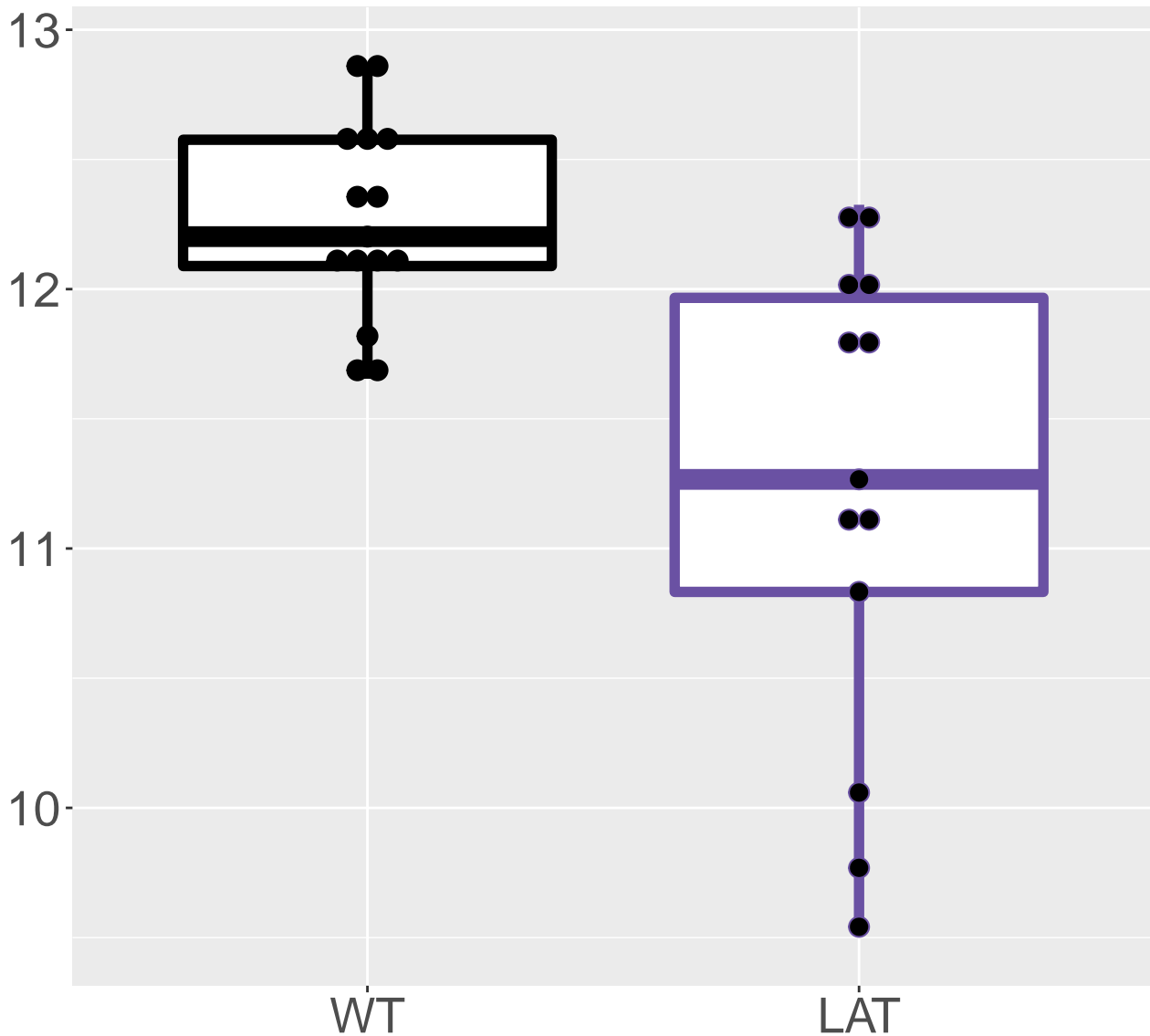
**M445.9152T343.19\_2**

**FDR = 0.0034, FC = -1.3**

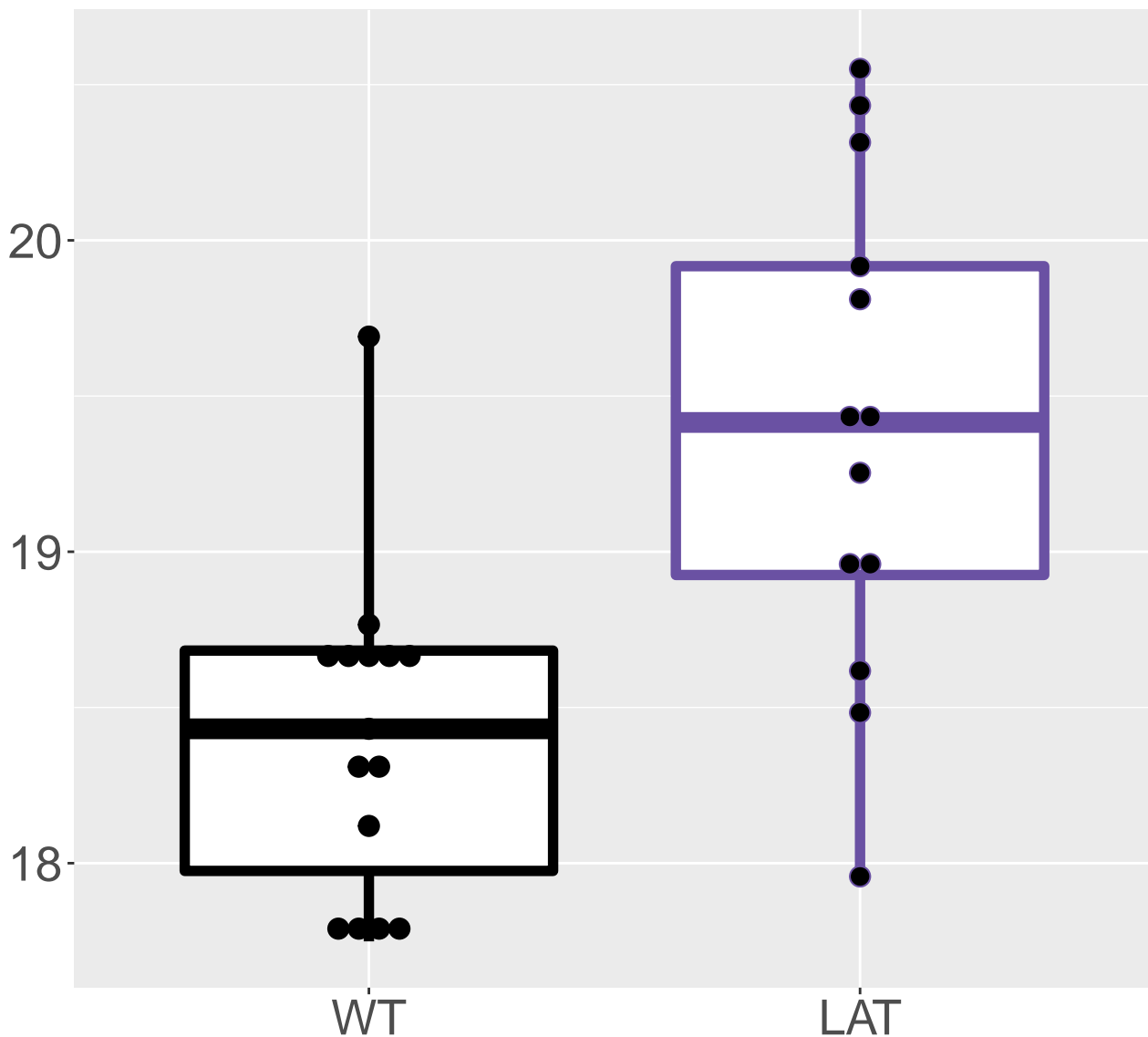


**M339.1638T267.26**

**FDR = 0.0034, FC = -1**

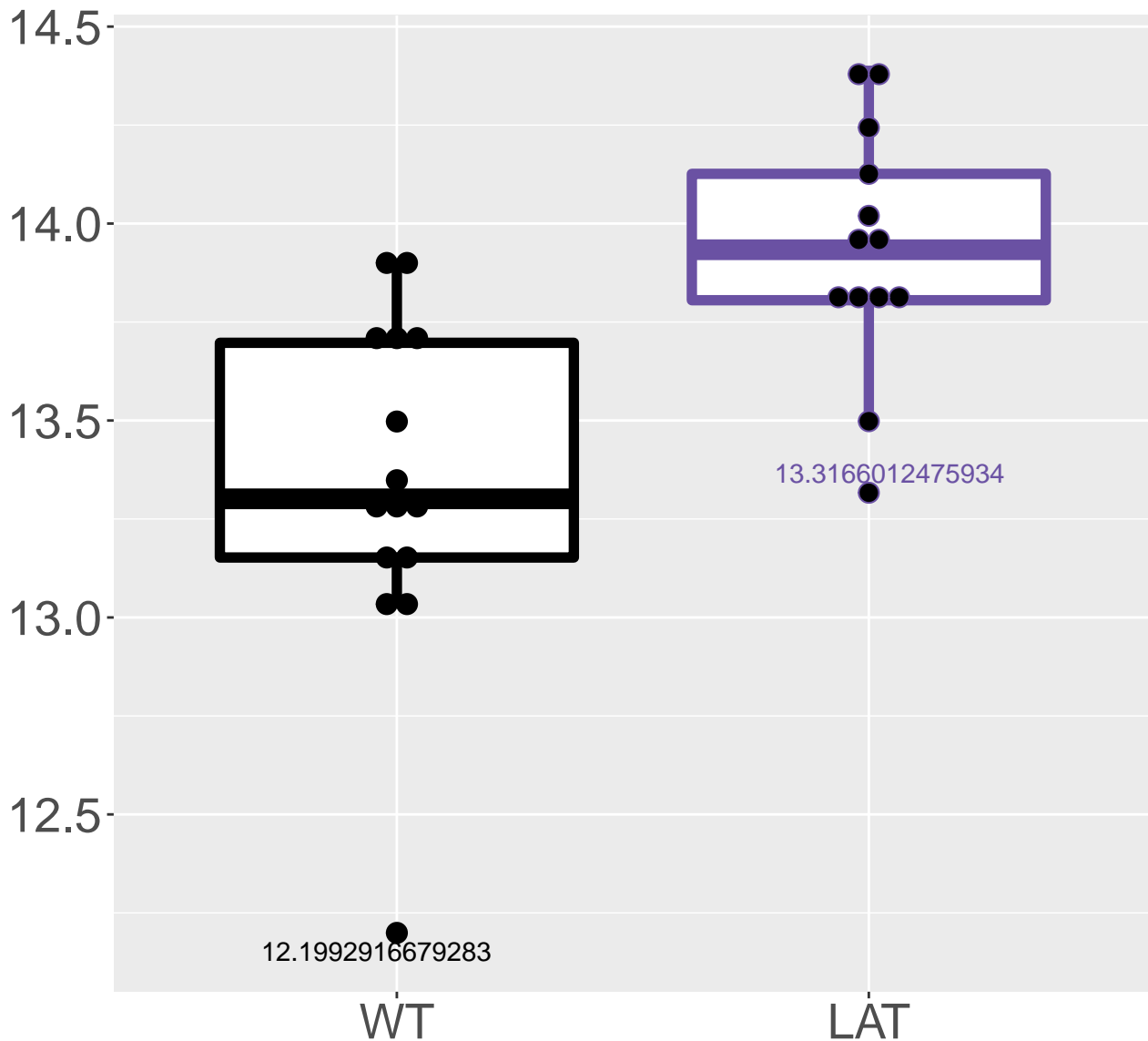


**5'-Methylthioadenosine;5'-Deoxy-5'-(methylthio)**  
**FDR = 0.0034, FC = 0.98**



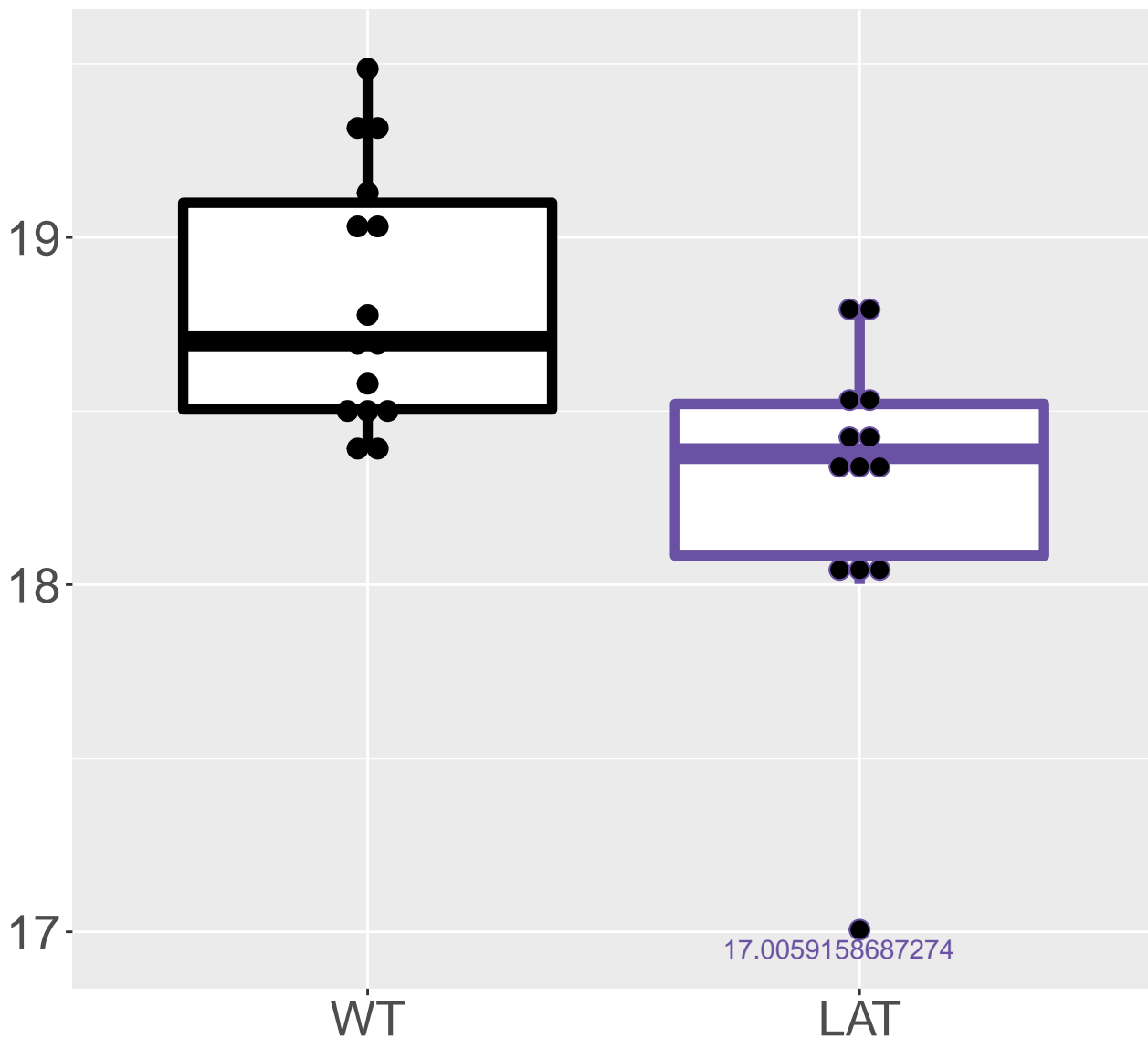
**M444.7461T282.97**

**FDR = 0.0034, FC = 0.59**



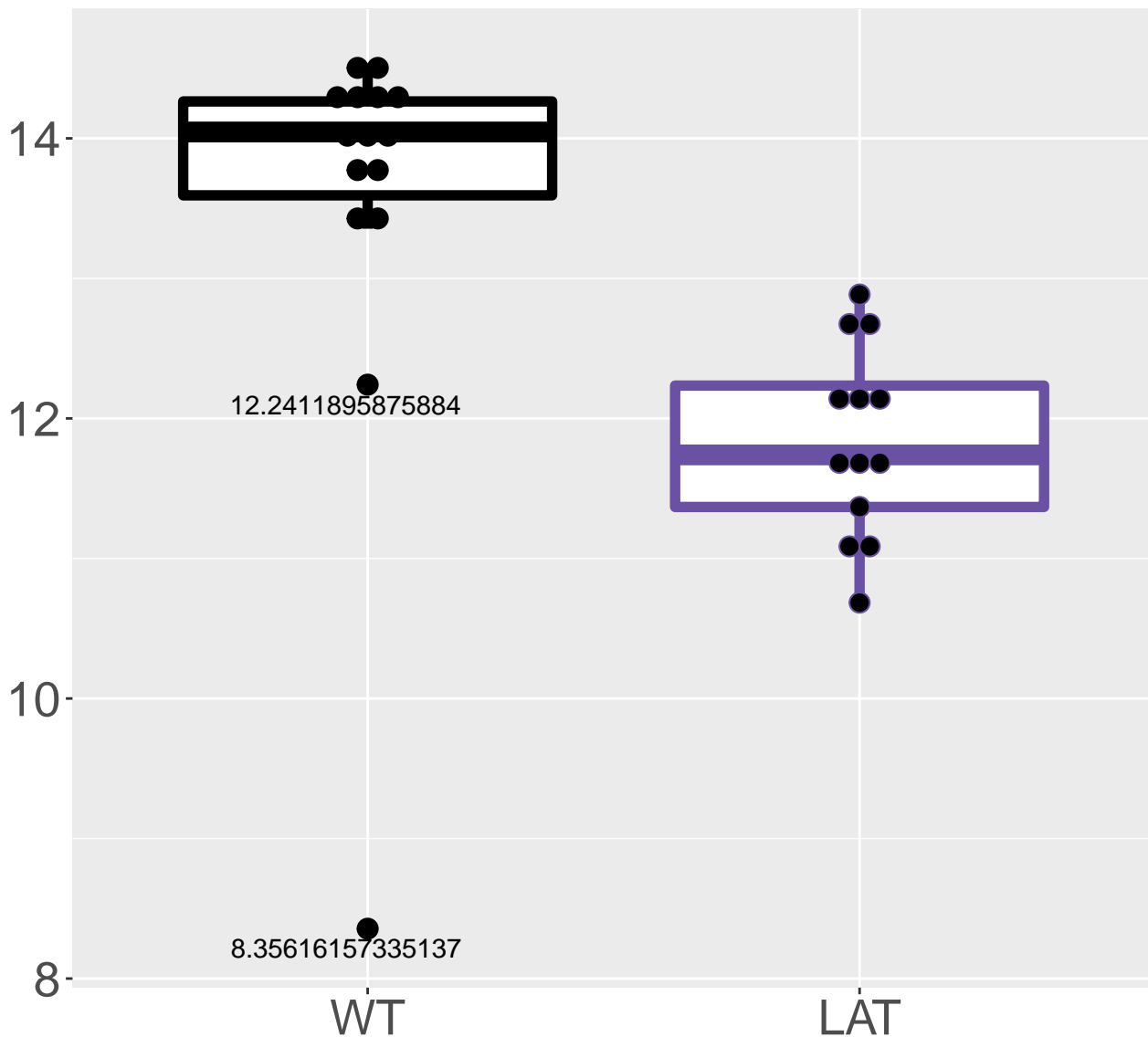
**M770.737T298.37\_2**

**FDR = 0.0034, FC = -0.54, sex\*\***



**M638.5459T309.98**

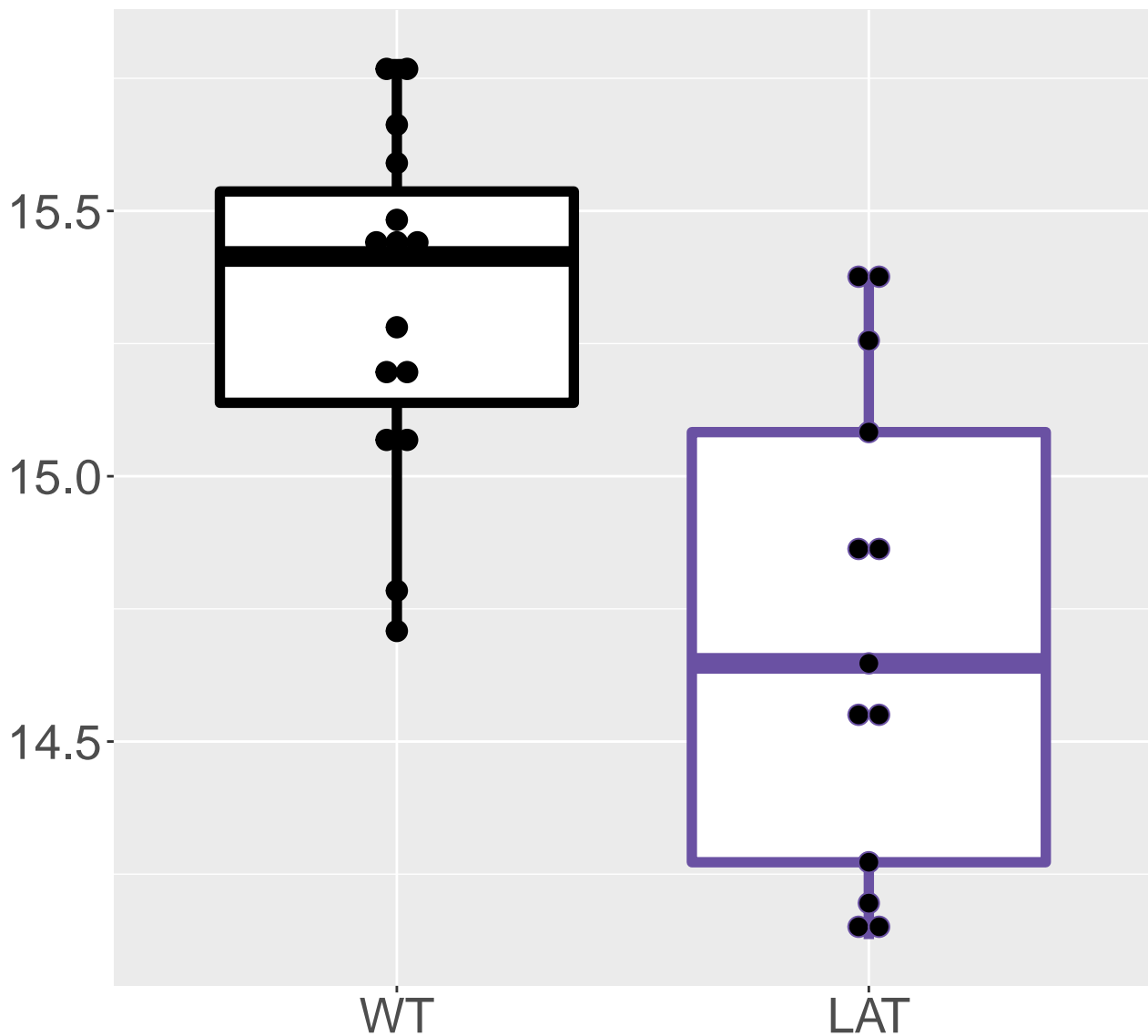
**FDR = 0.0034, FC = -1.7**





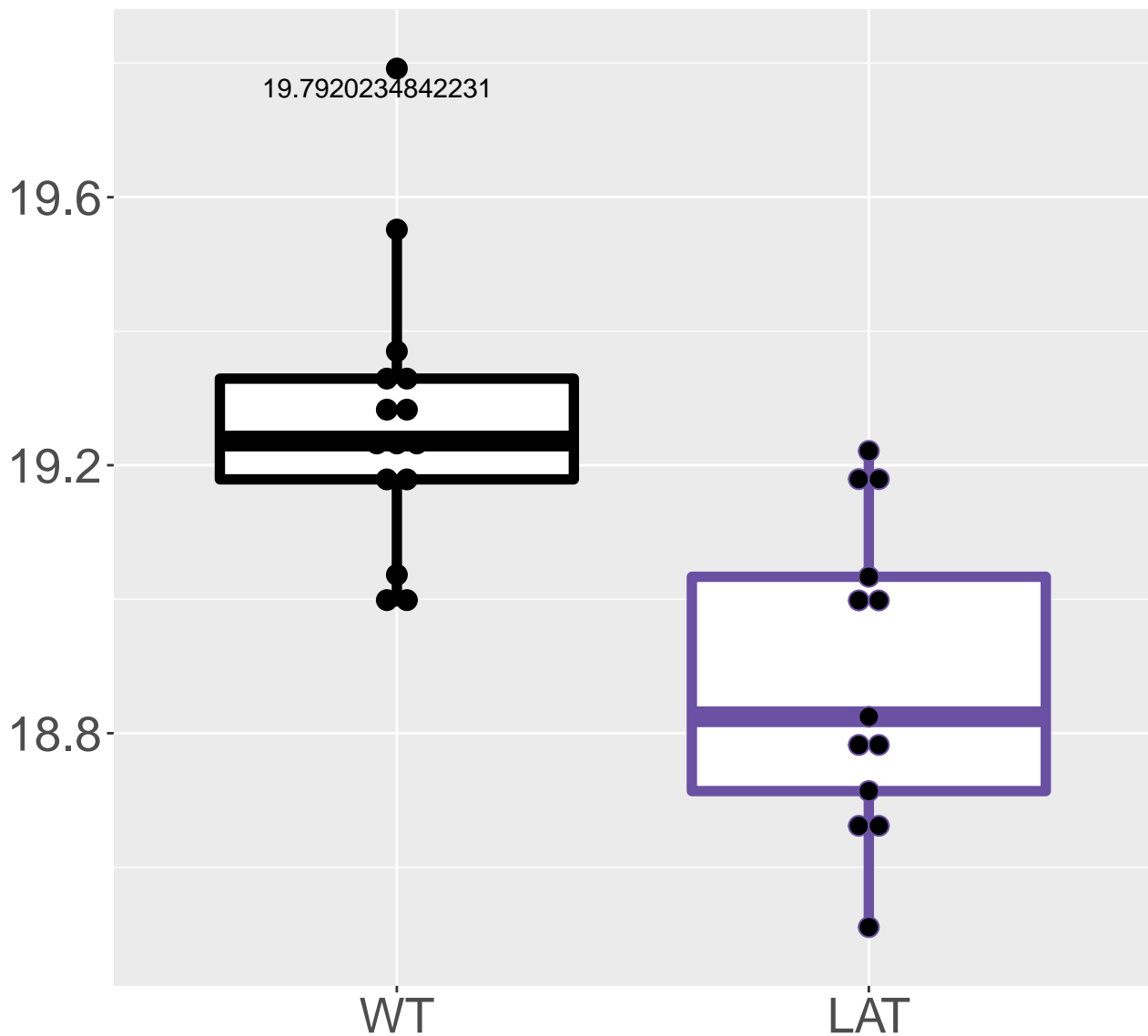
**M155.7727T113.11\_10**

**FDR = 0.0034, FC = -0.61**

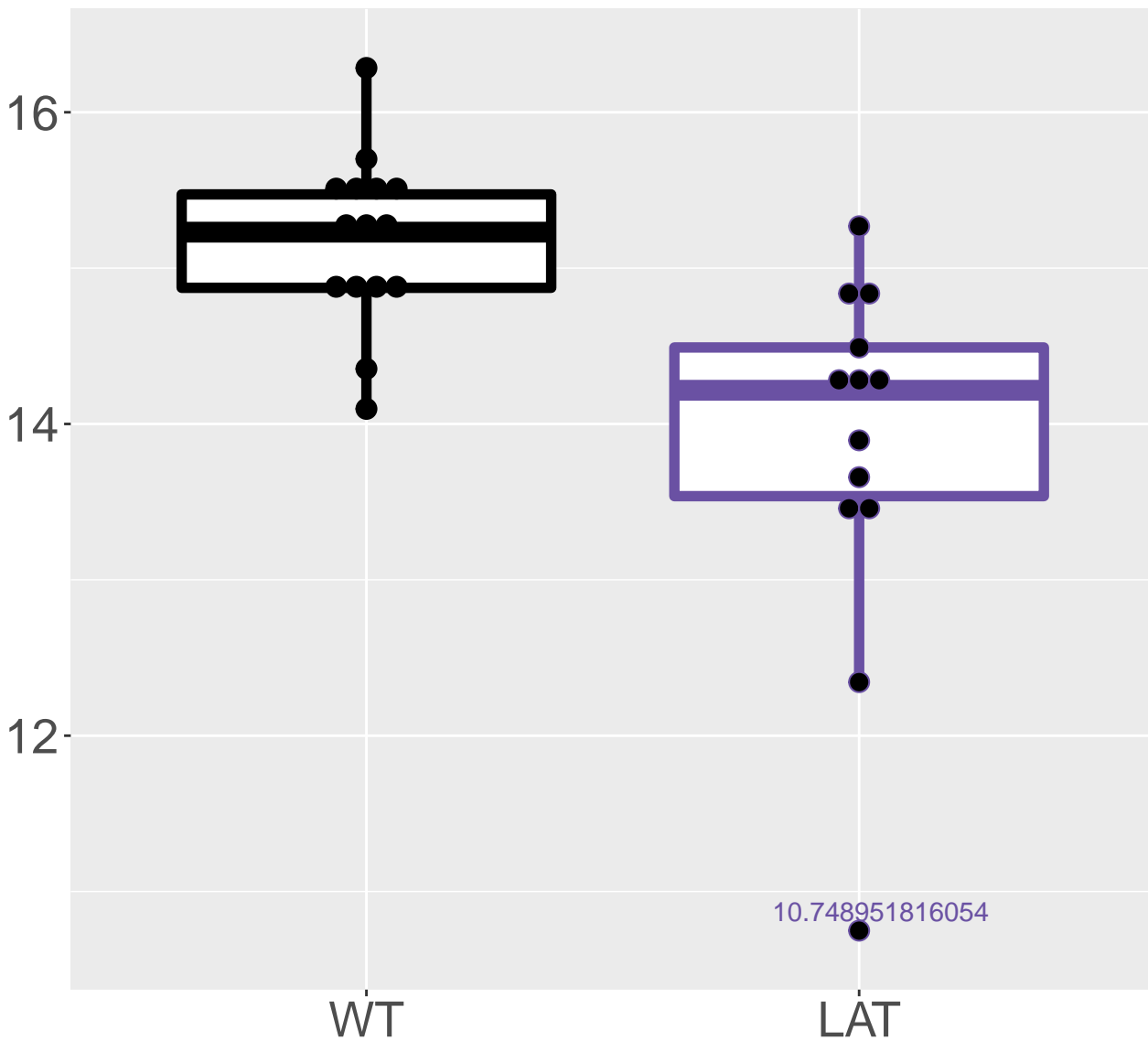


**M102.0556T48.66**

**FDR = 0.0034, FC = -0.38**

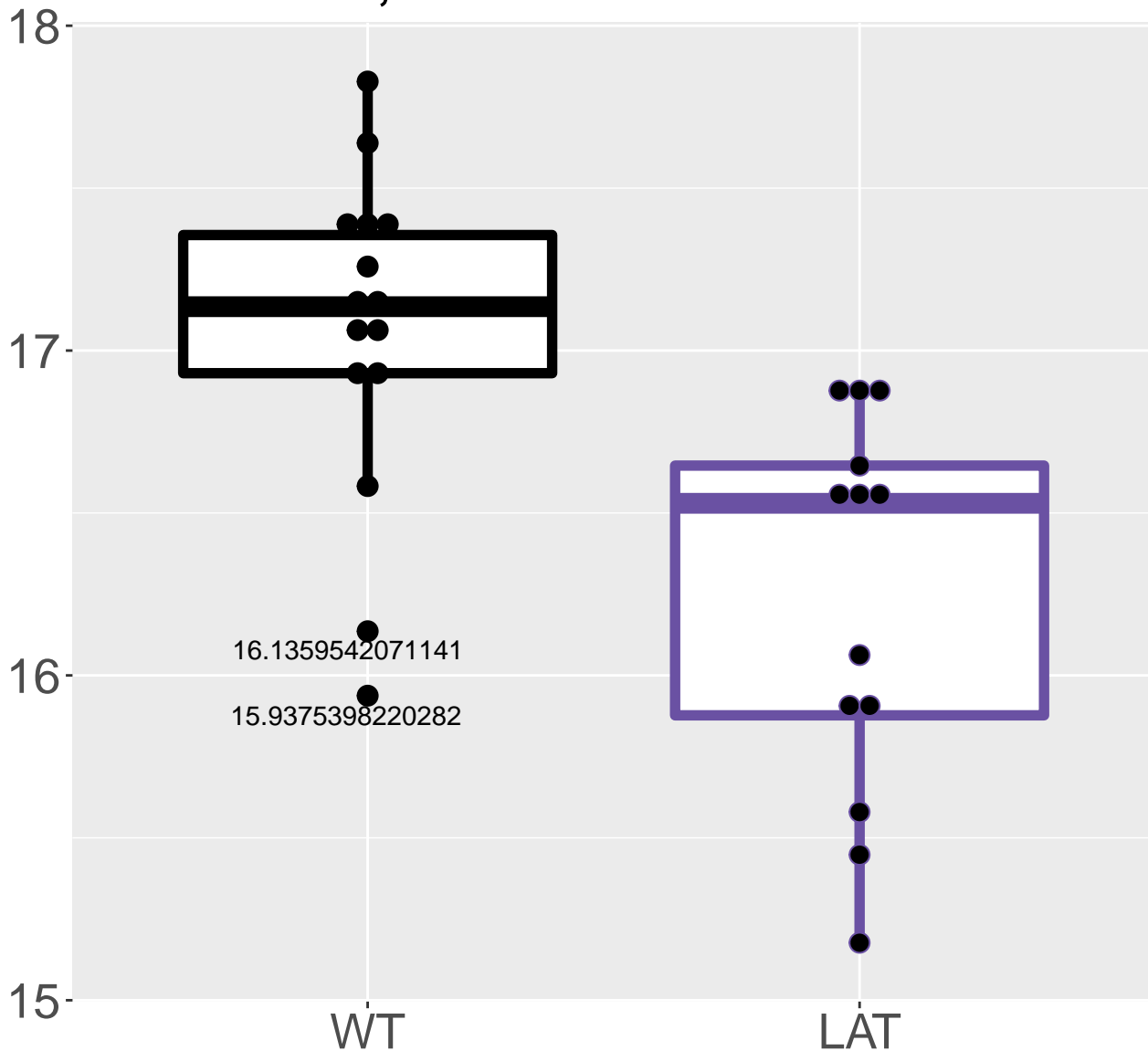


**M345.2002T301.58\_1**  
**FDR = 0.0034, FC = -1.3**



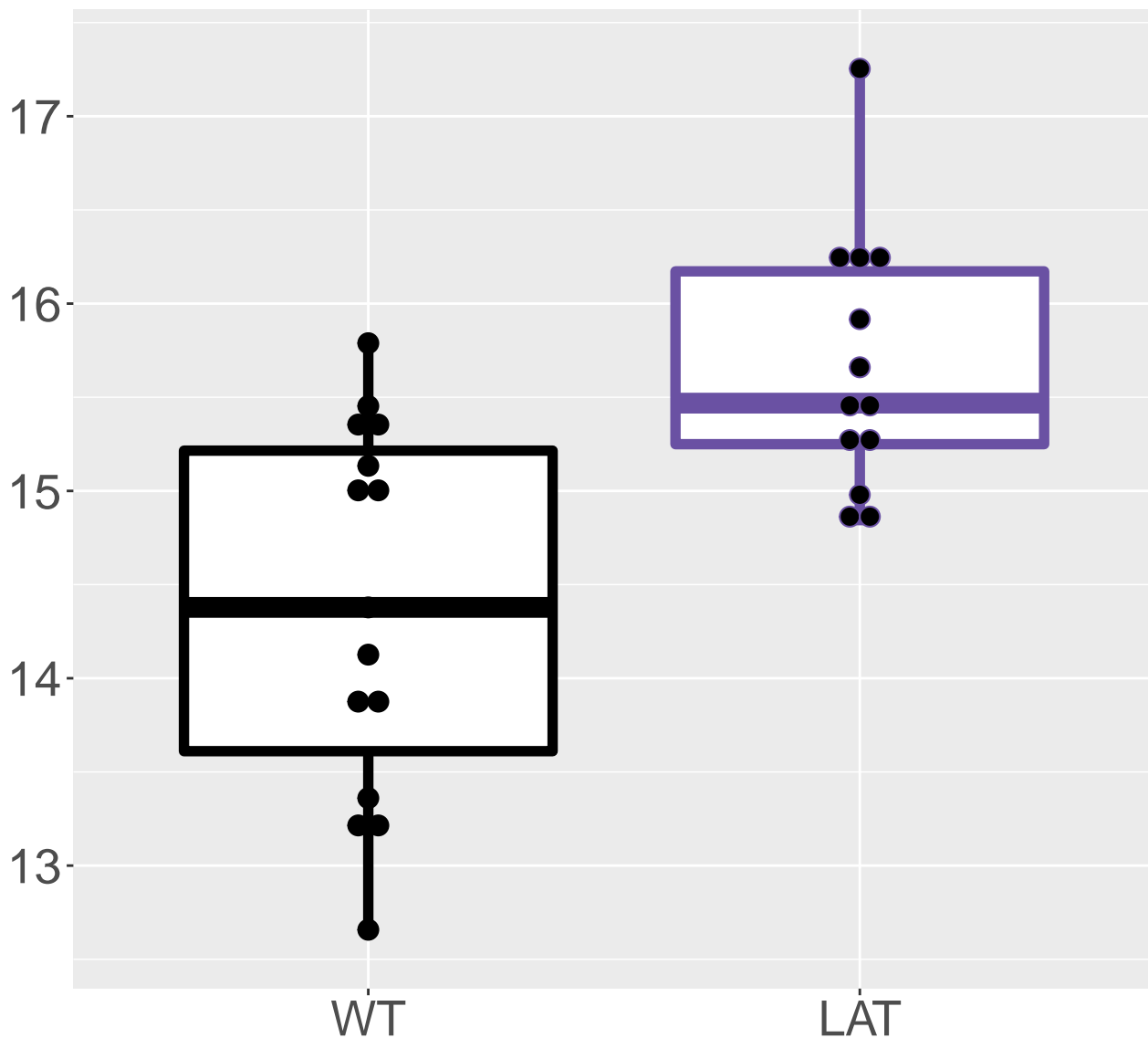
**M129.762T75.34\_13**

**FDR = 0.0035,  $\overline{FC} = -0.82$**



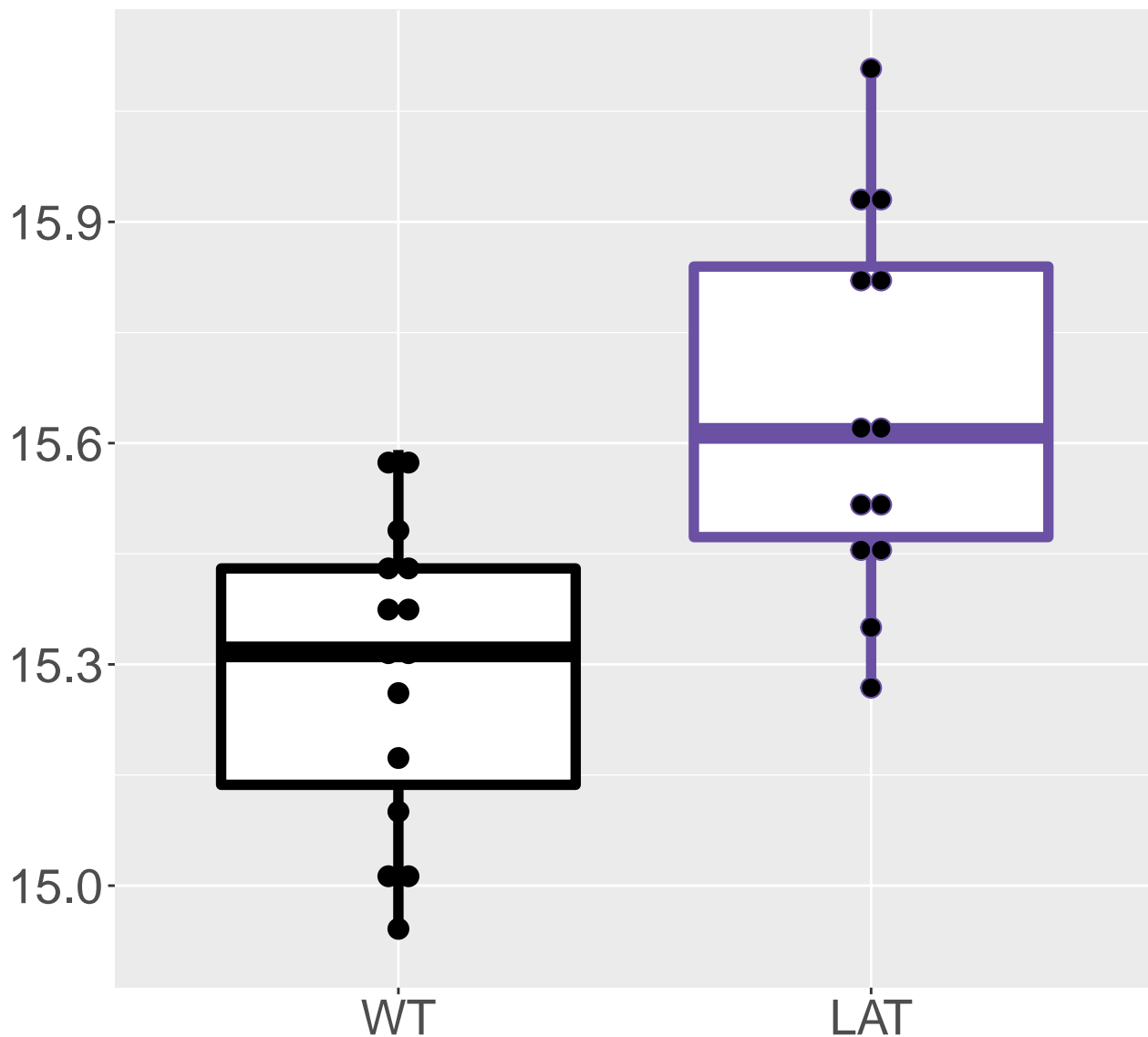
**M378.0965T103.52**

**FDR = 0.0035, FC = 1.3**

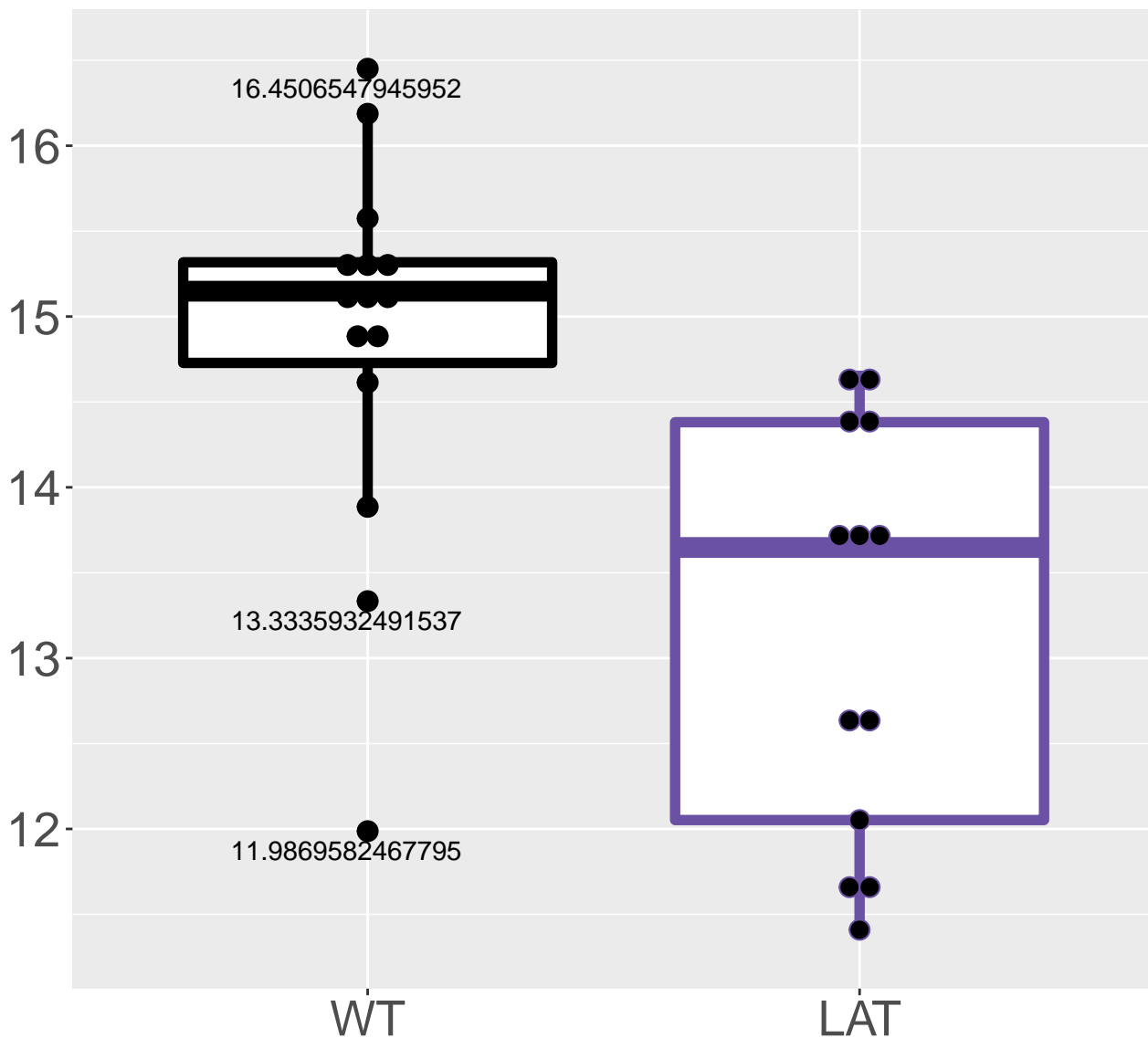


**M456.8434T43.05**

**FDR = 0.0035, FC = 0.36, sex\***

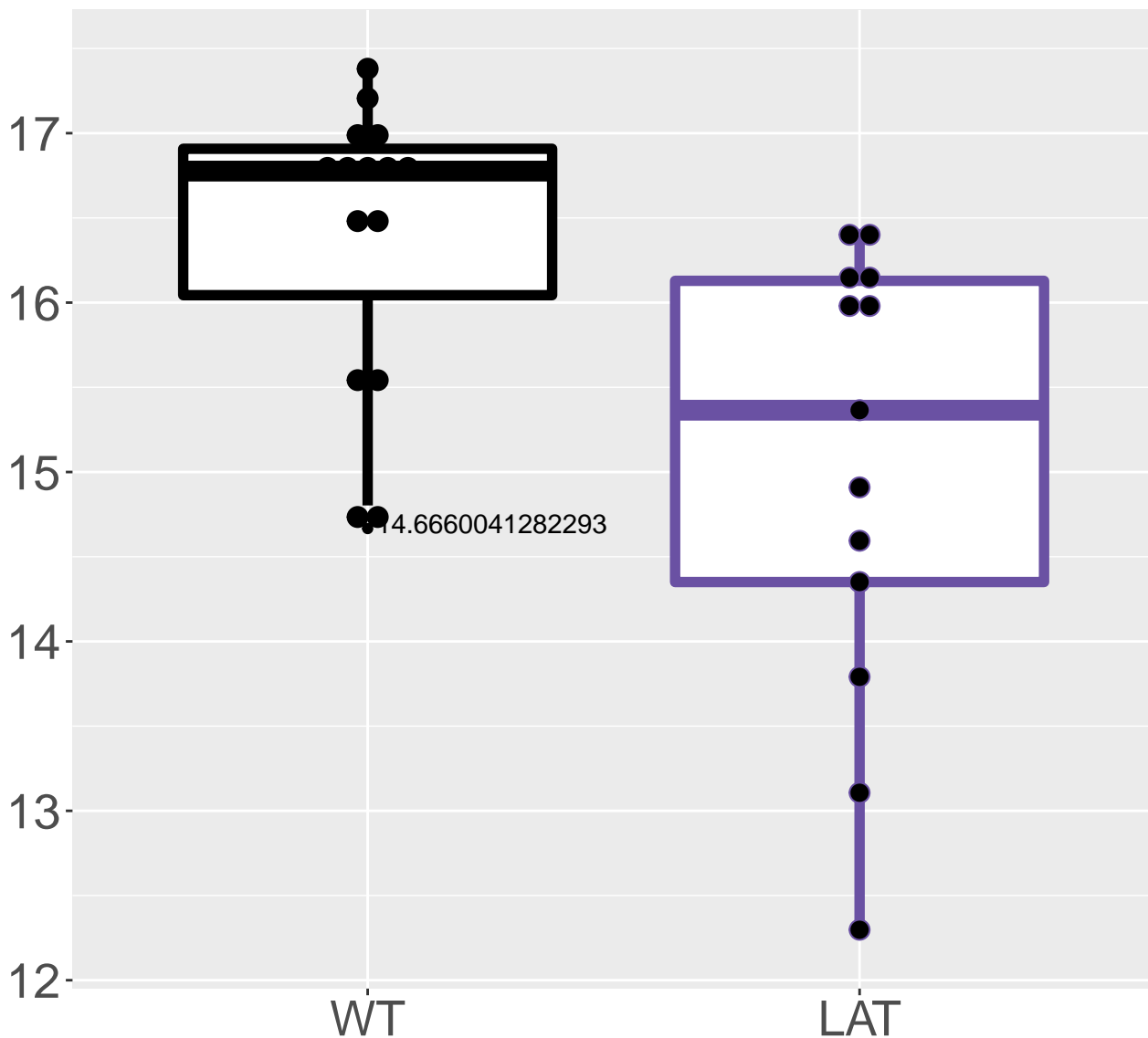


**M407.1312T66.57**  
**FDR = 0.0035, FC = -1.7**



**M127.6434T75.46\_8**

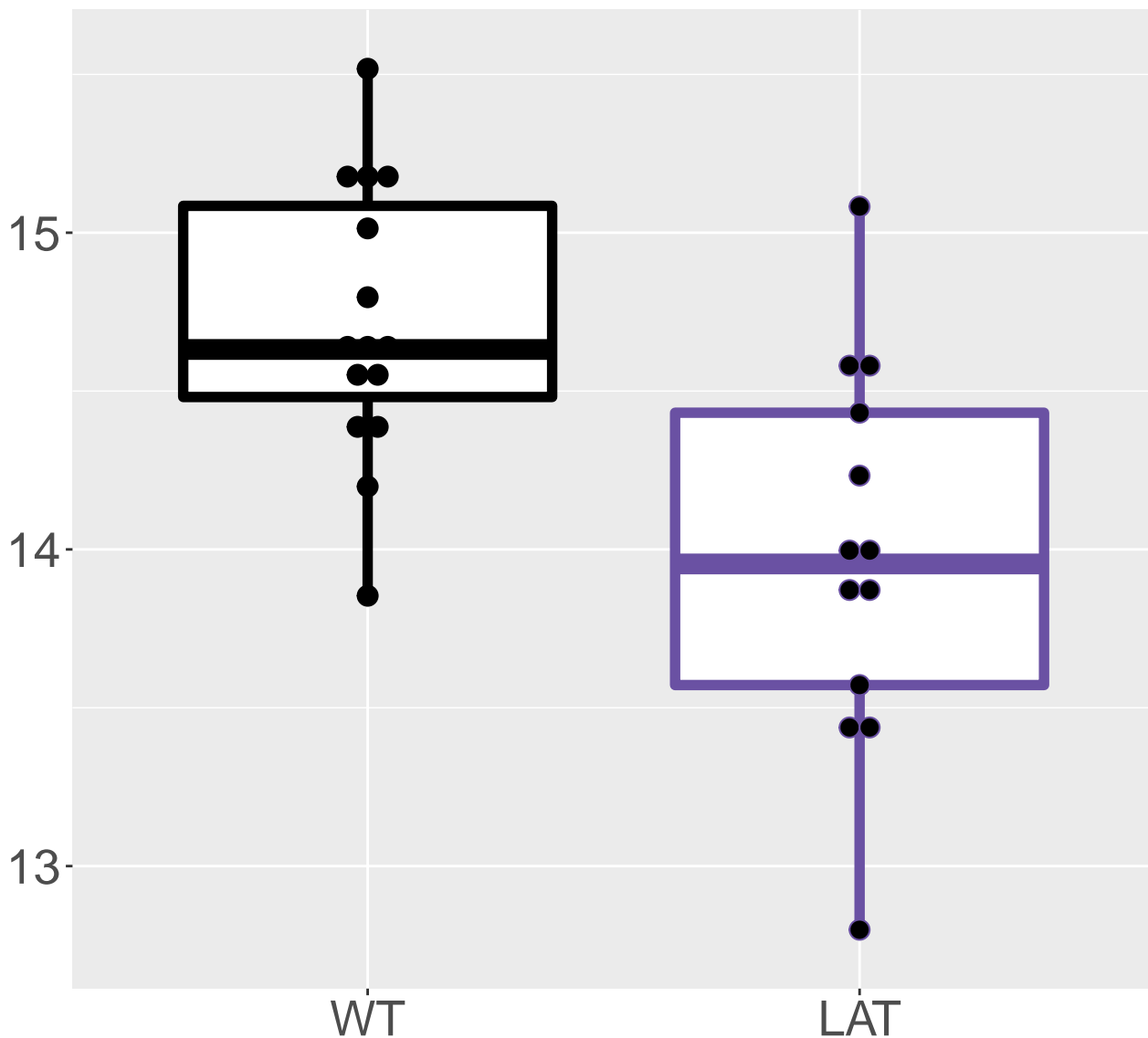
**FDR = 0.0036, FC = -1.4**





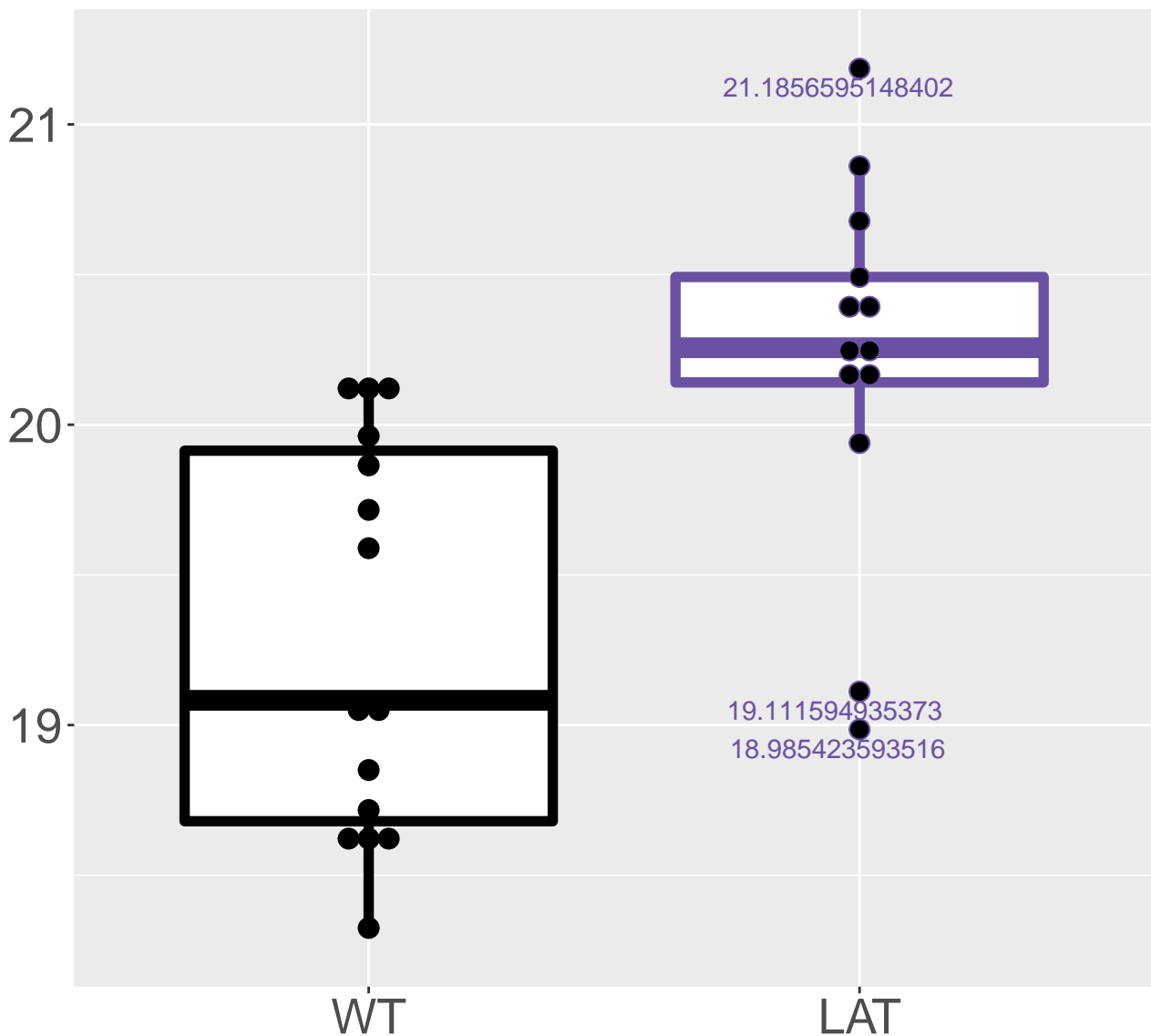
**M147.595T90.92**

**FDR = 0.0036, FC = -0.72**

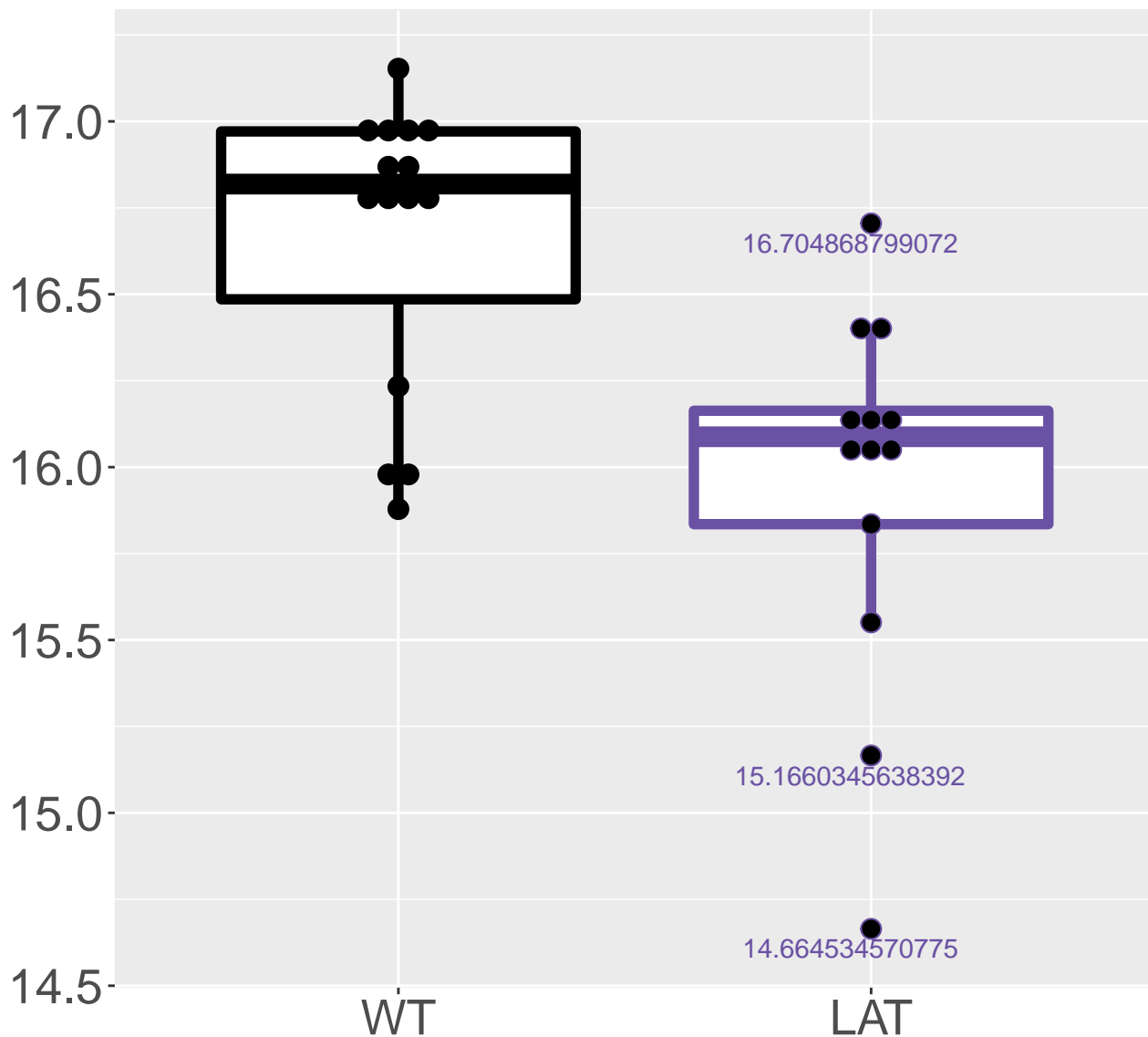


# Aminoadipic acid;alpha-Aminoadipic acid;2-Amino-3-oxopentanoate

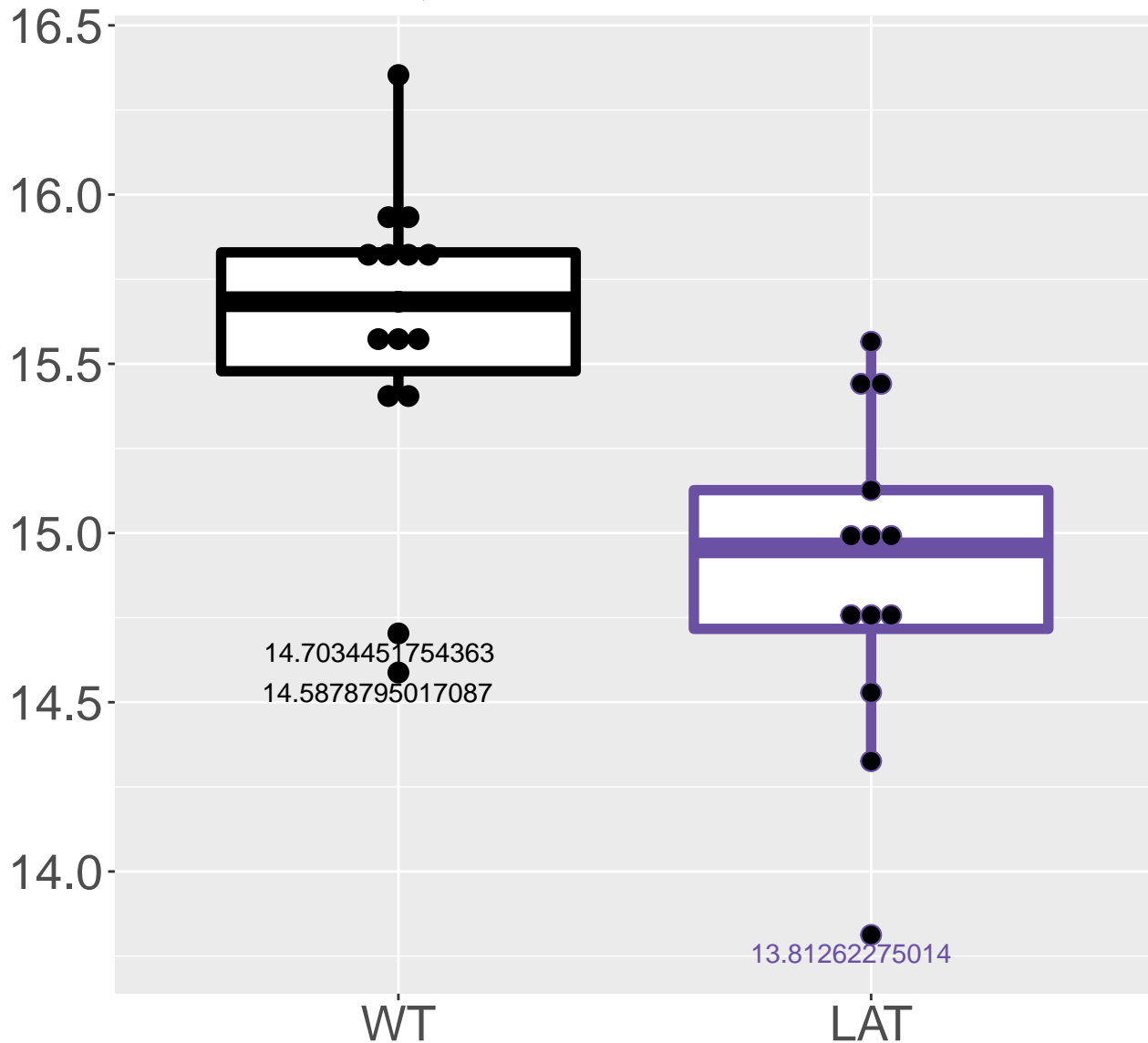
FDR = 0.0036, FC = 0.93



**M127.3234T75.52\_17**  
**FDR = 0.0036, FC = -0.72**

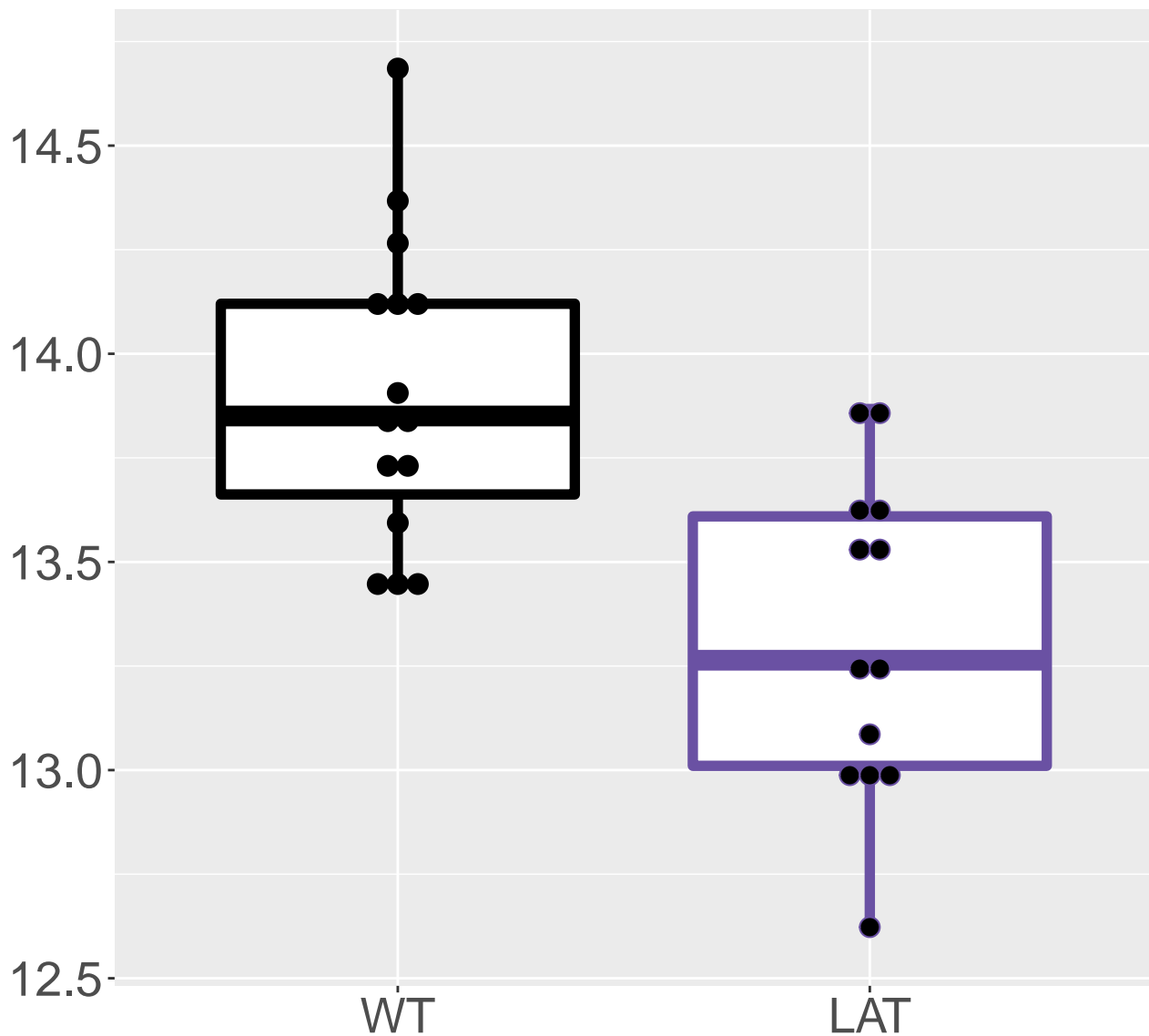


**M172.2773T113.1\_32**  
**FDR = 0.0036, FC = -0.72**

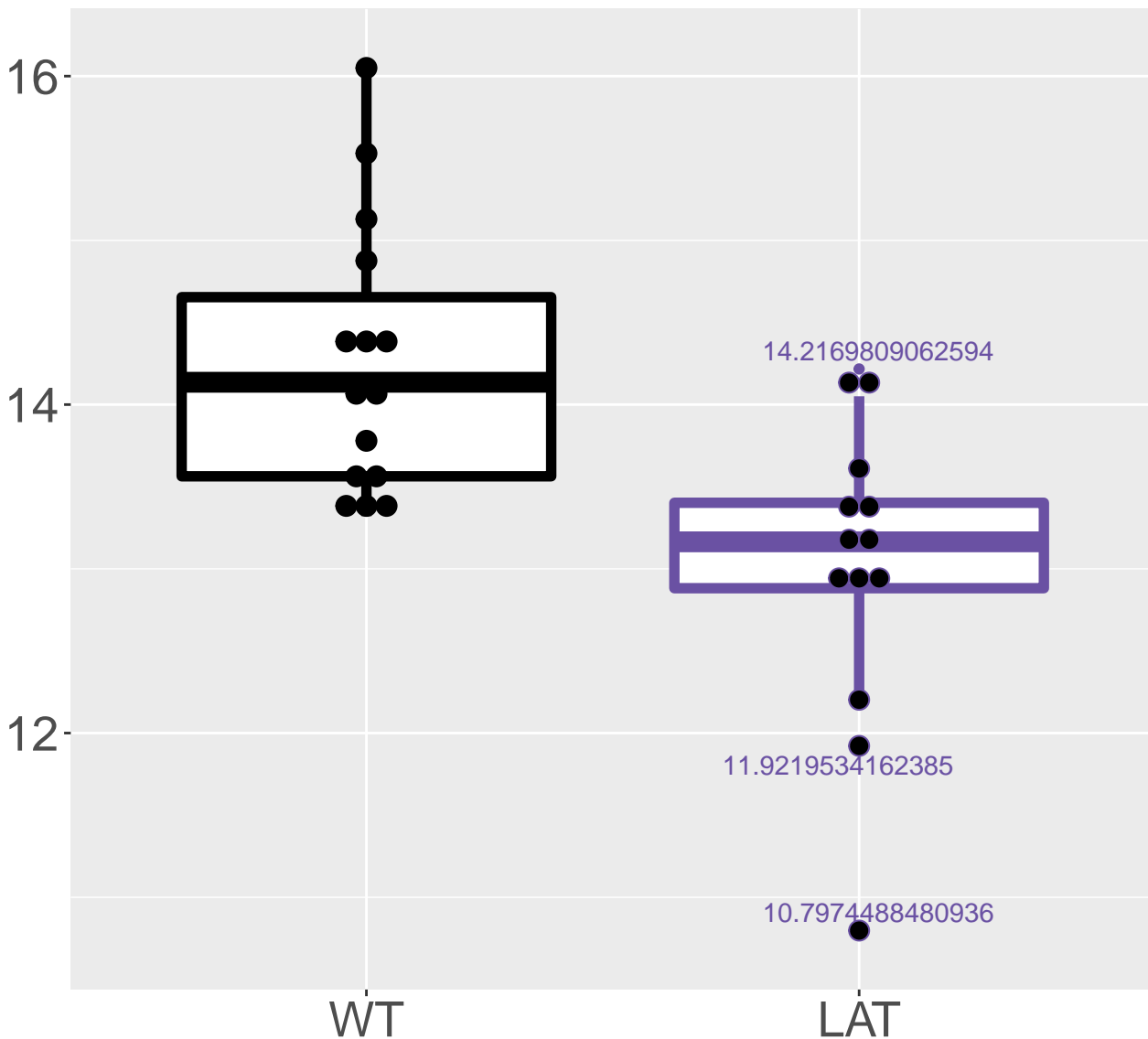


**M730.2781T356.83\_5**

**FDR = 0.0036, FC = -0.59**

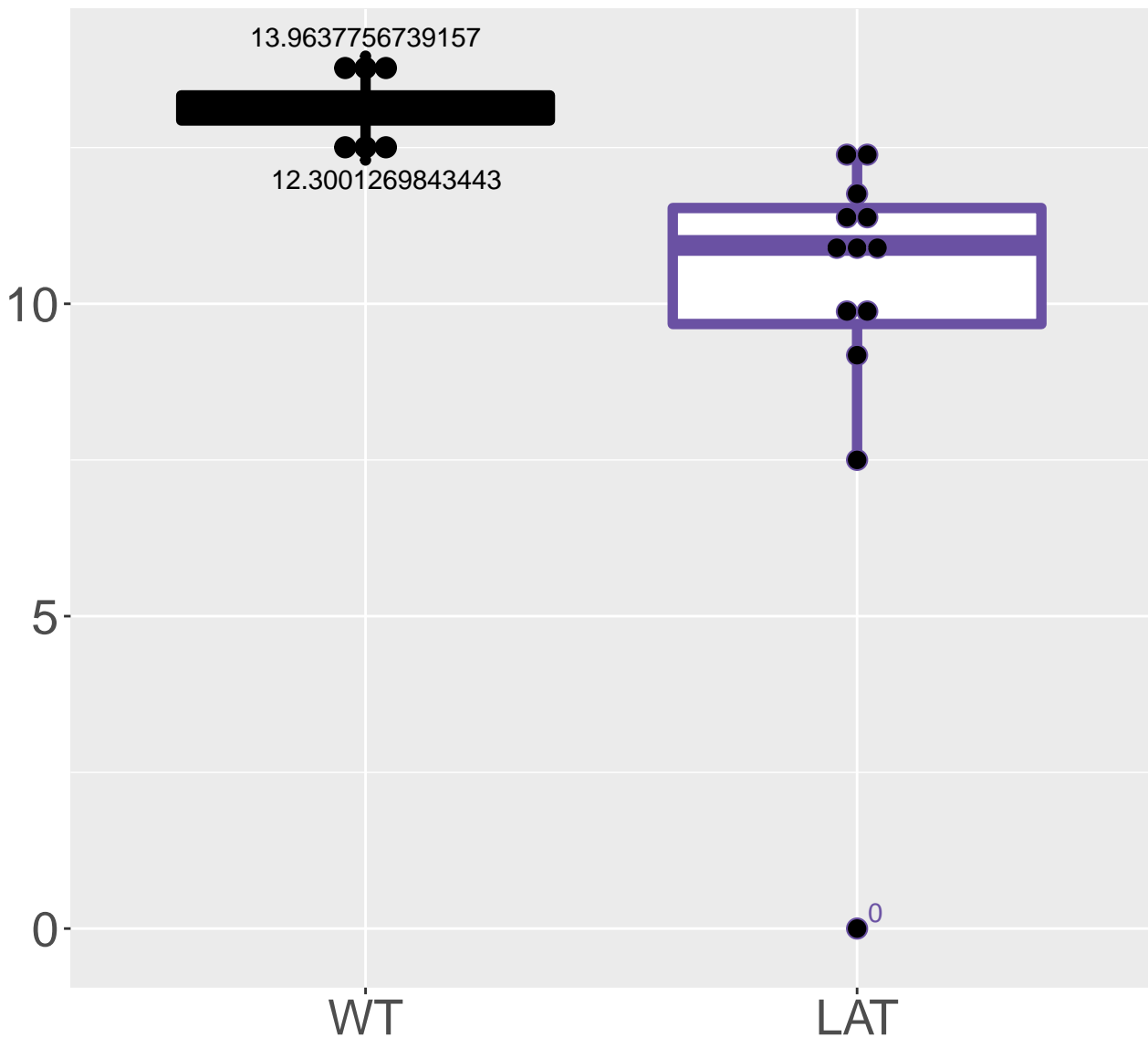


**M259.1453T410.31**  
**FDR = 0.0036, FC = -1.3**



**M448.0282T283.48**

**FDR = 0.0036, FC = -3.3**

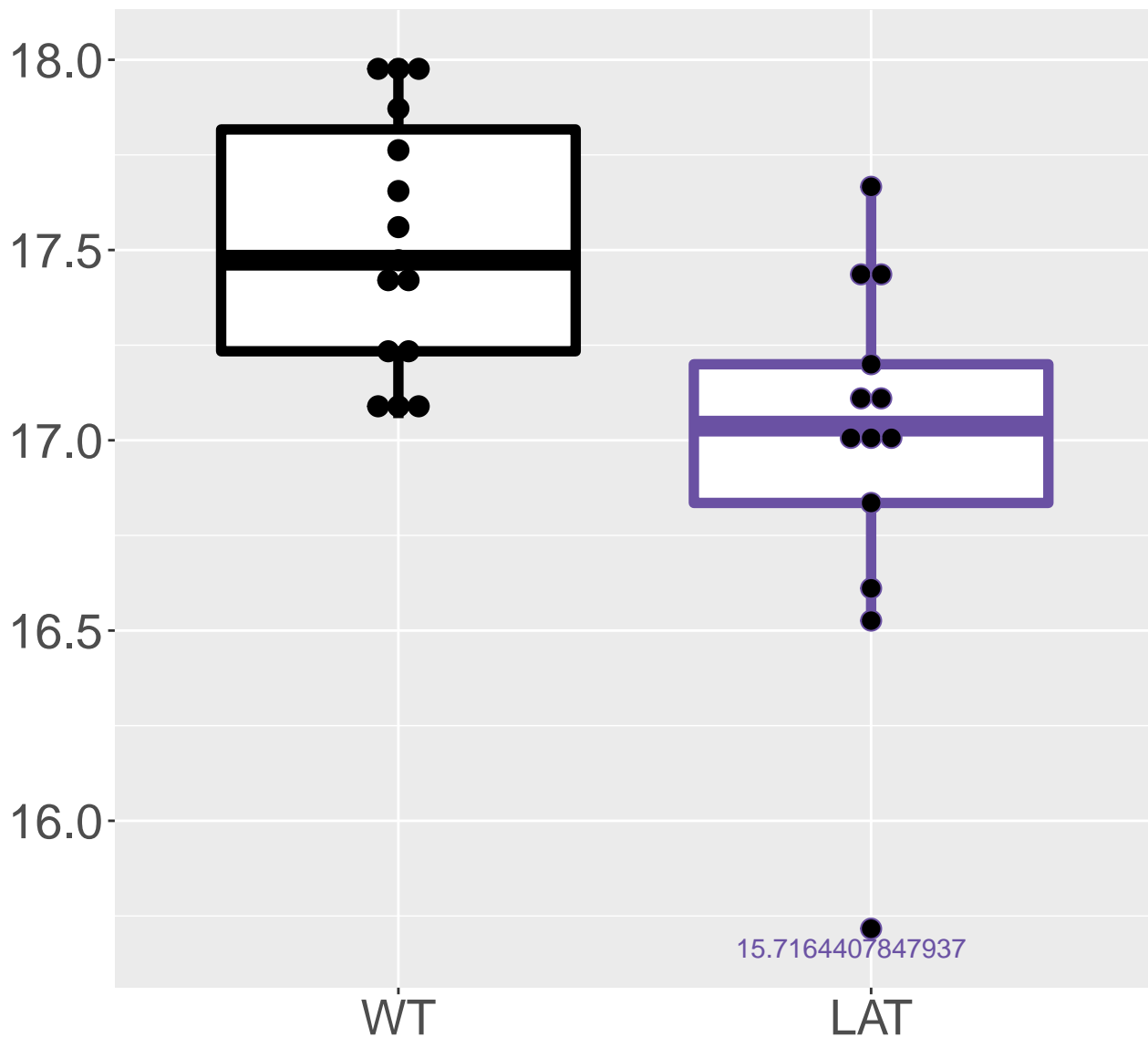






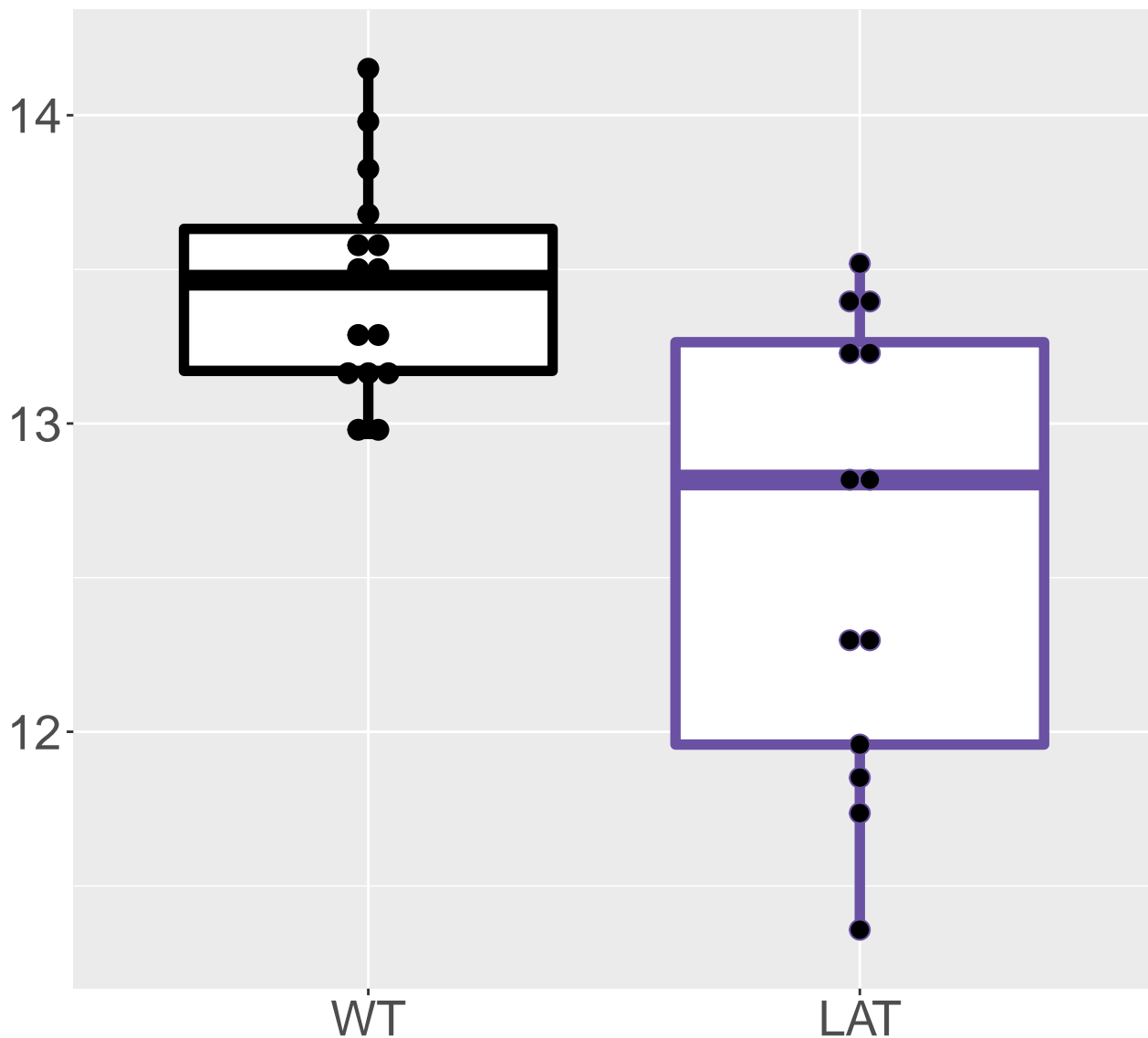
**M661.2054T298.31\_5**

**FDR = 0.0037, FC = -0.55, sex\*\***



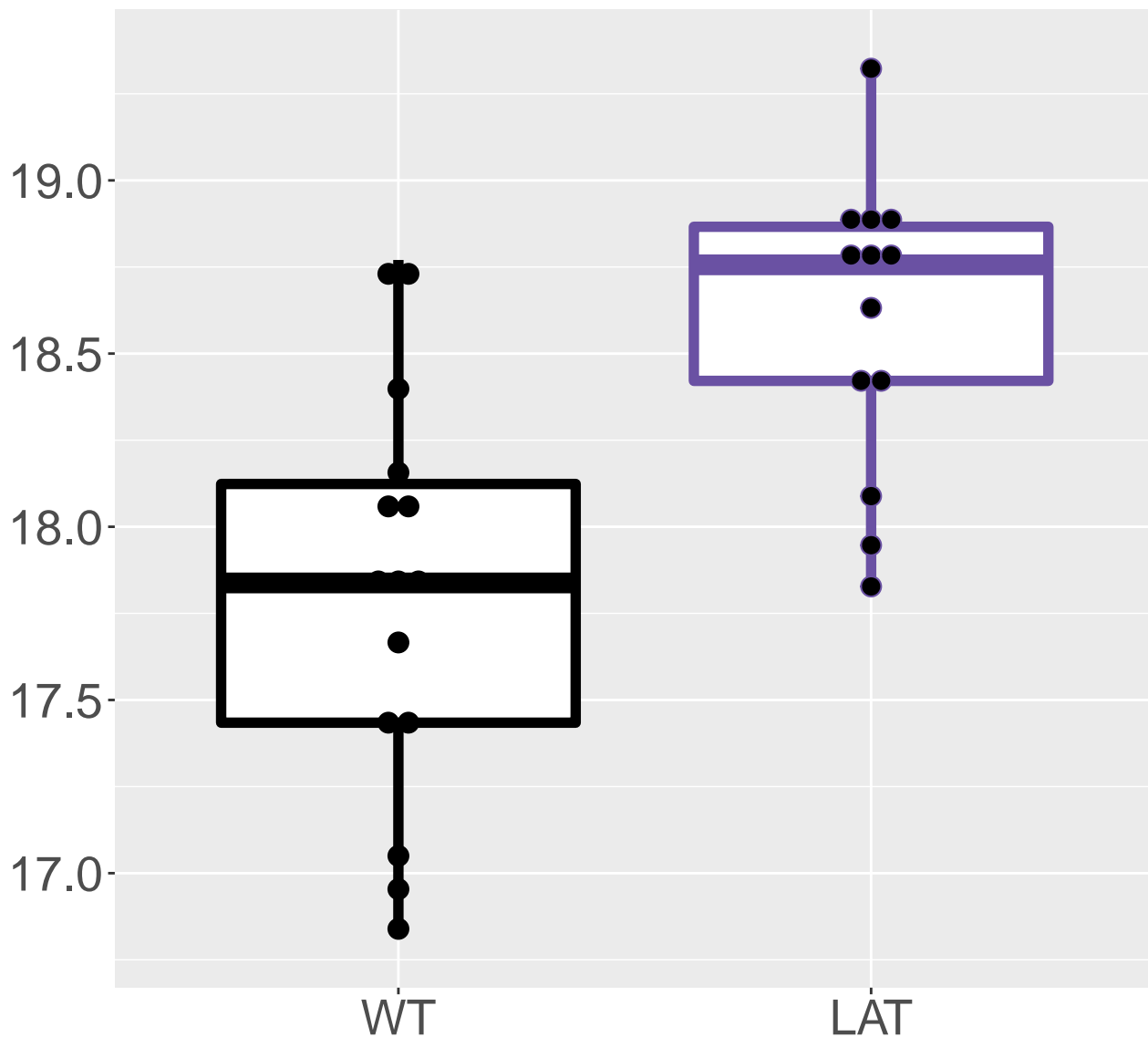
**M374.2445T281.63**

**FDR = 0.0037, FC = -0.85**



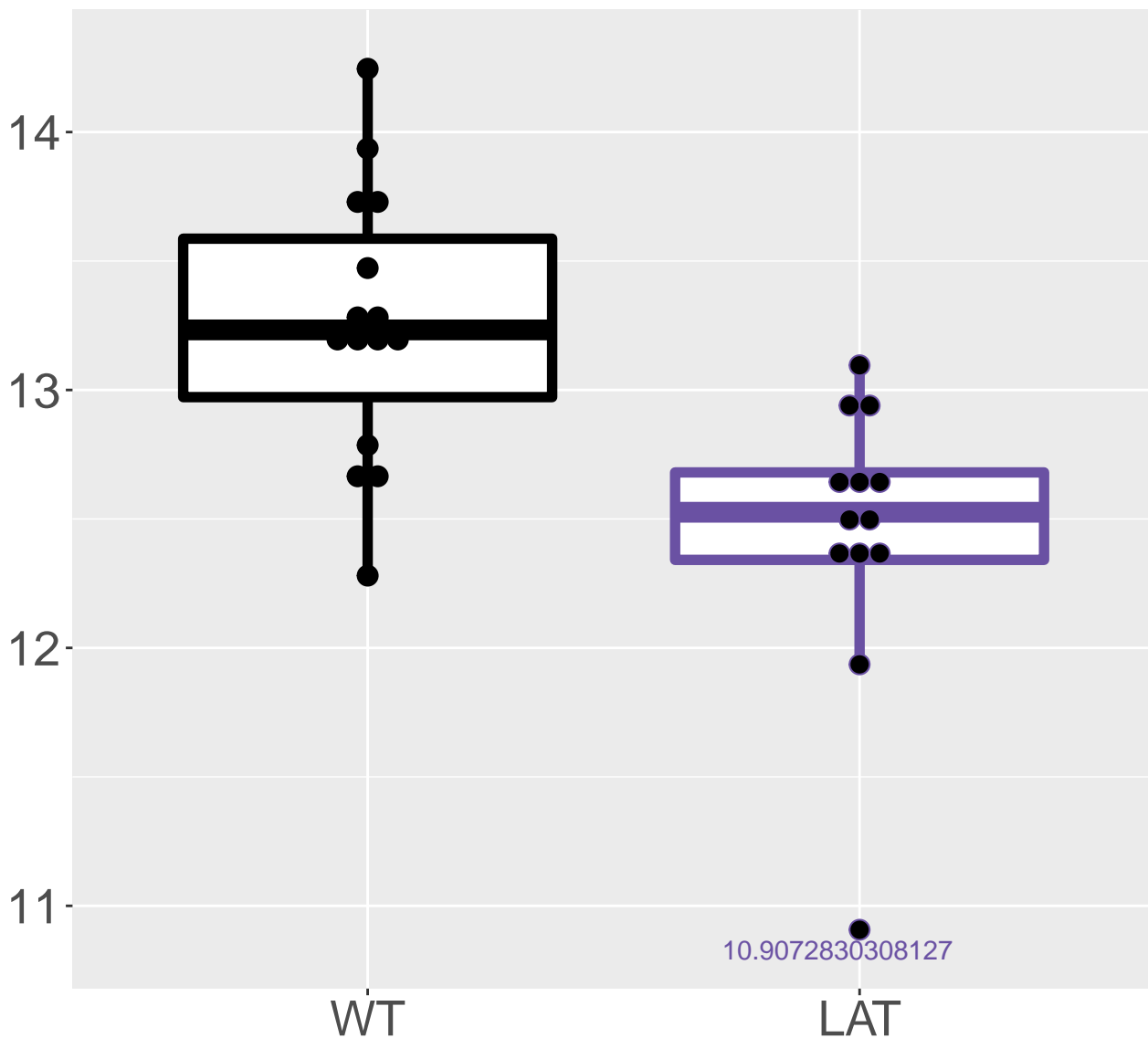
**M196.098T143.83**

**FDR = 0.0037, FC = 0.79**



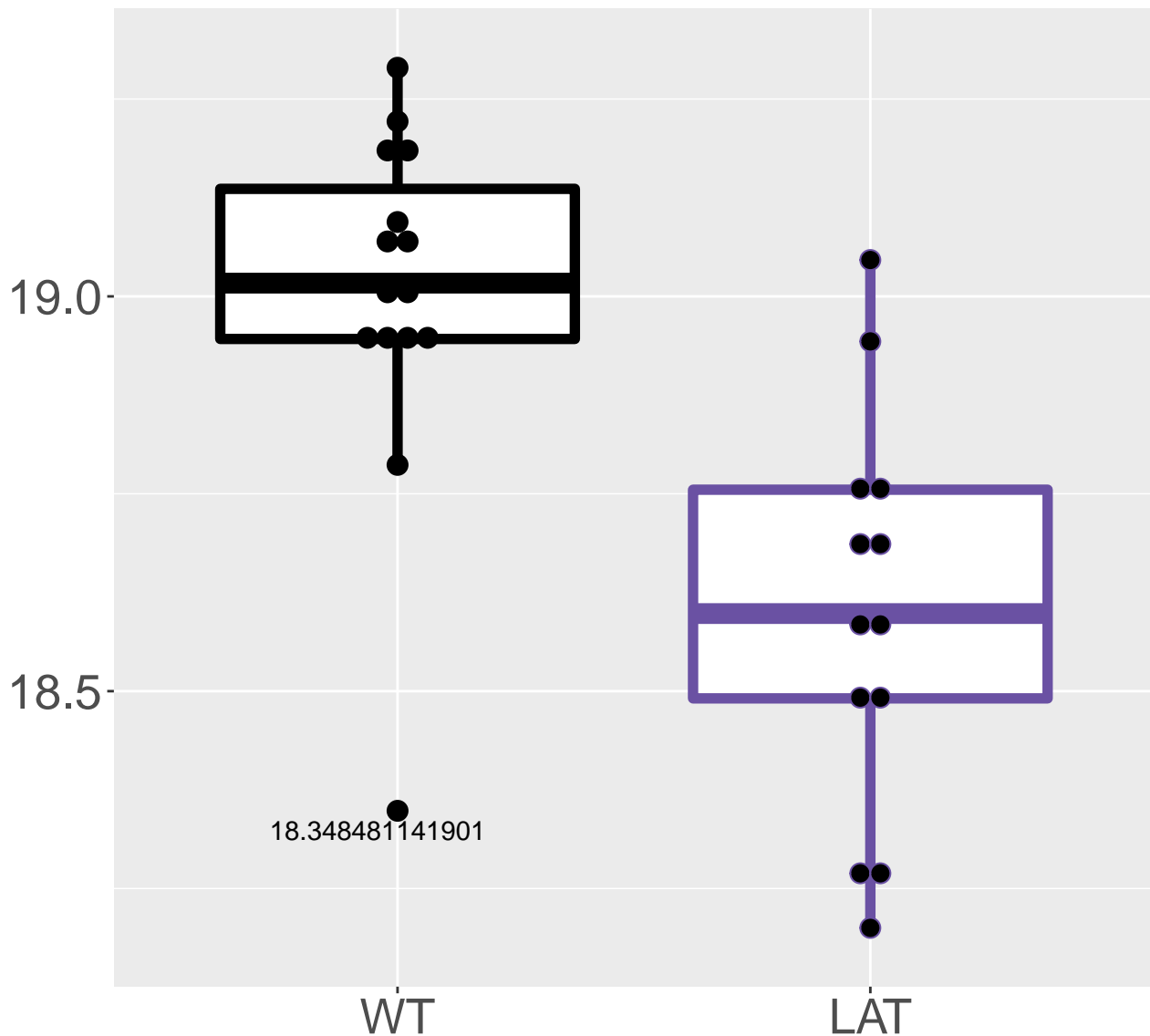
**M202.636T229.07\_1**

**FDR = 0.0037, FC = -0.81**

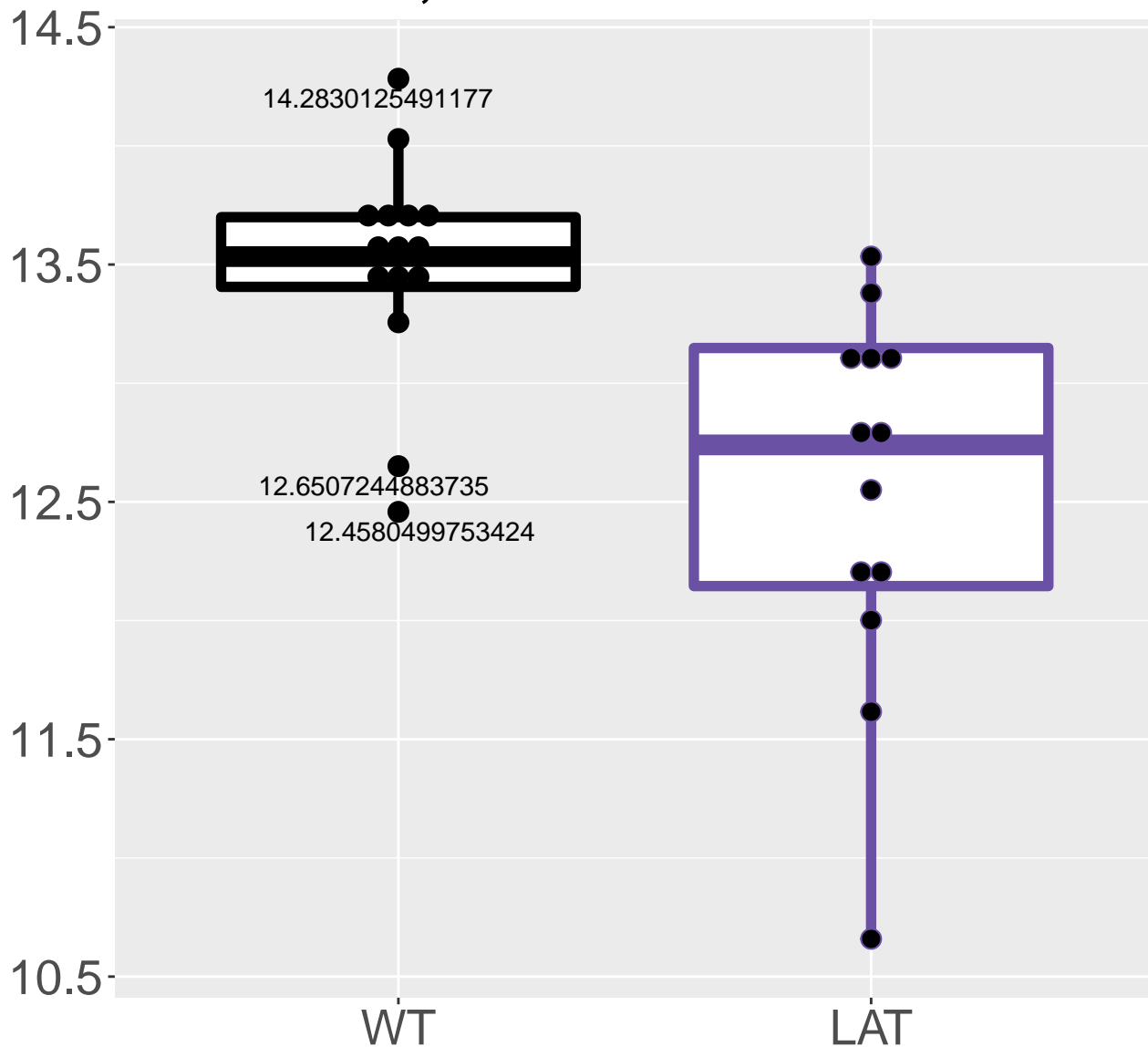


**M166.0586T66.7**

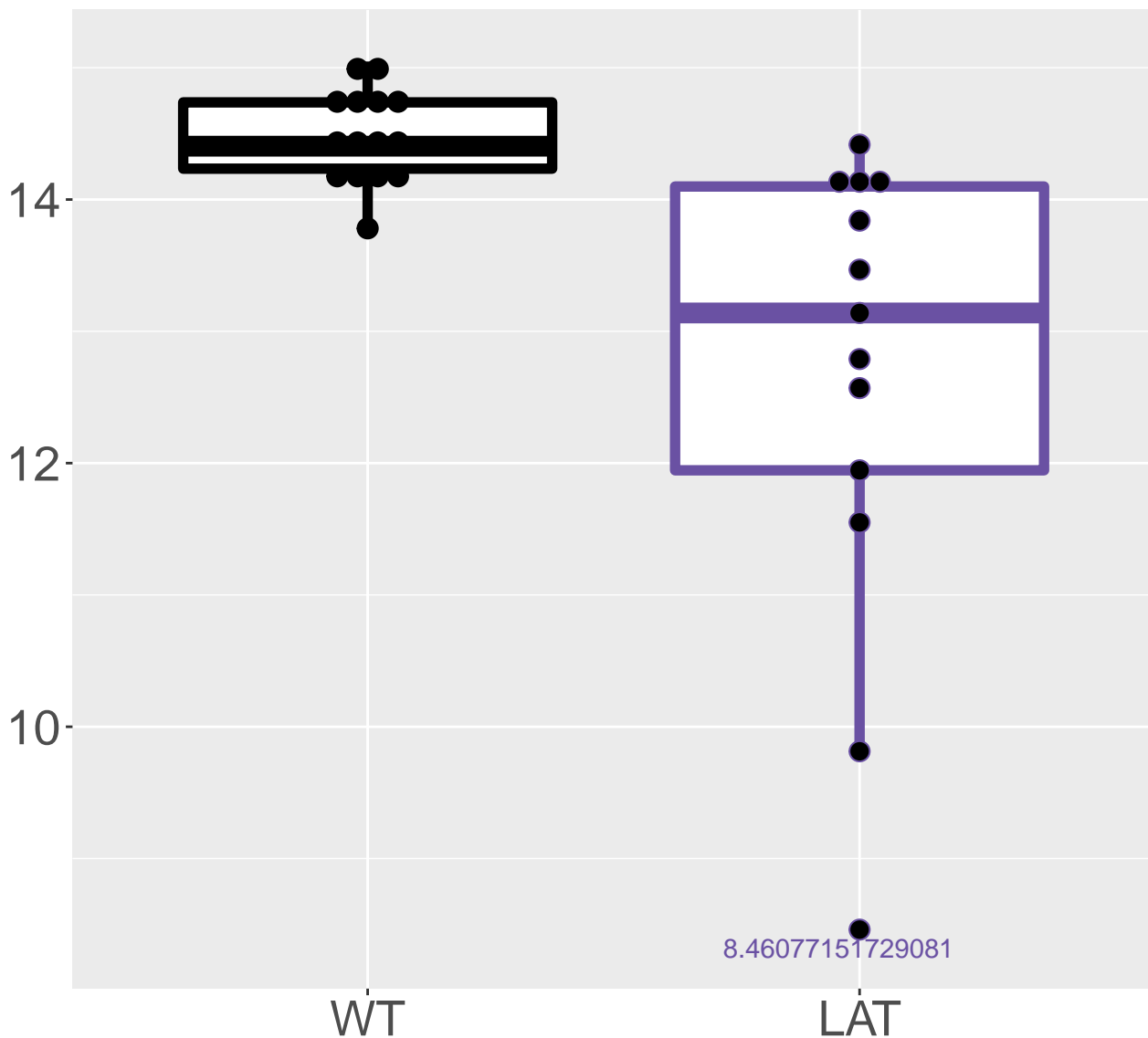
**FDR = 0.0037, FC = -0.41**



**M556.3245T314.01\_2**  
**FDR = 0.0037, FC = -0.95**

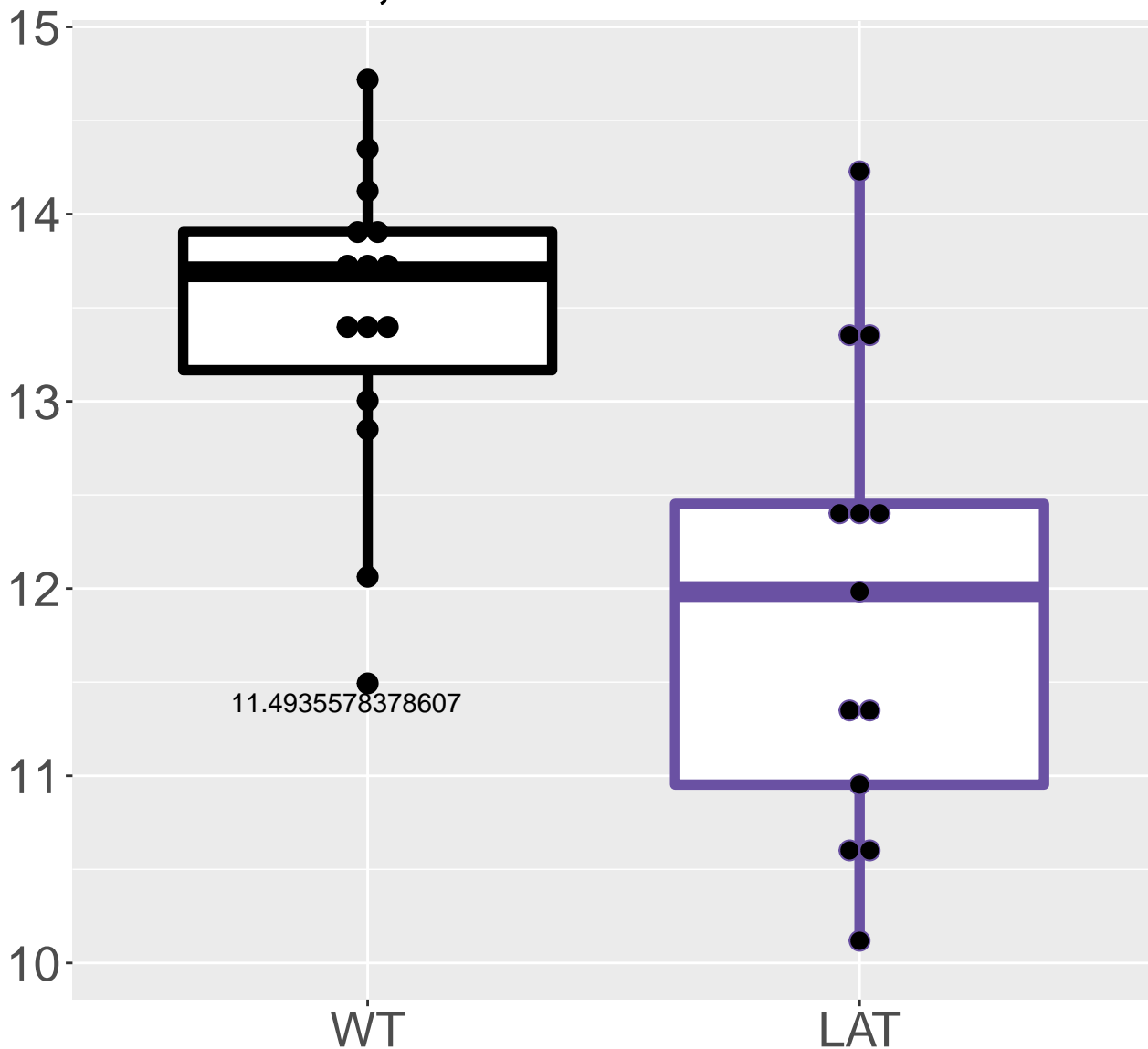


**M435.7483T307.93\_1**  
**FDR = 0.0037, FC = -1.8**



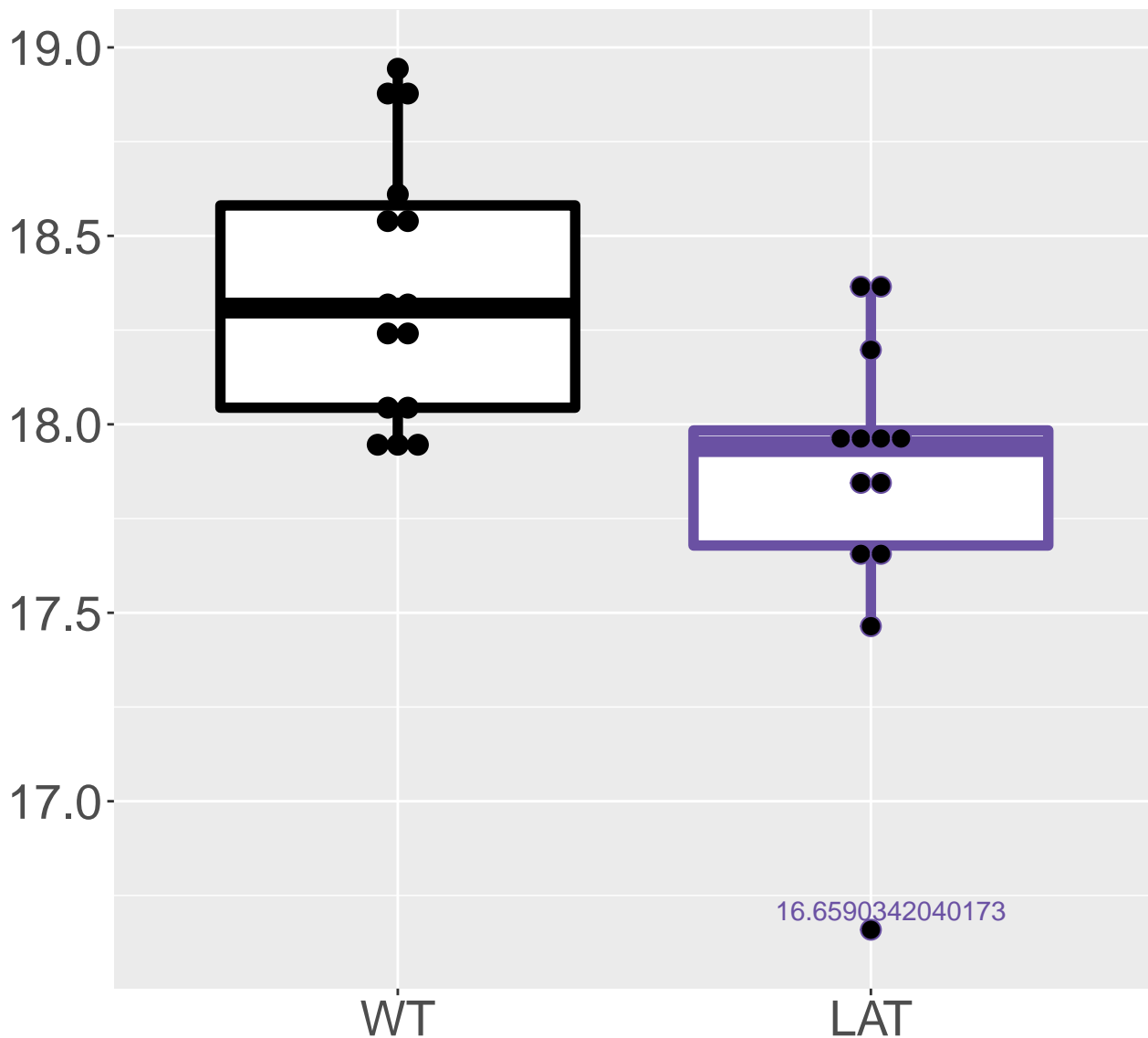
**M320.6755T269.71**

**FDR = 0.0038, FC = -1.5**

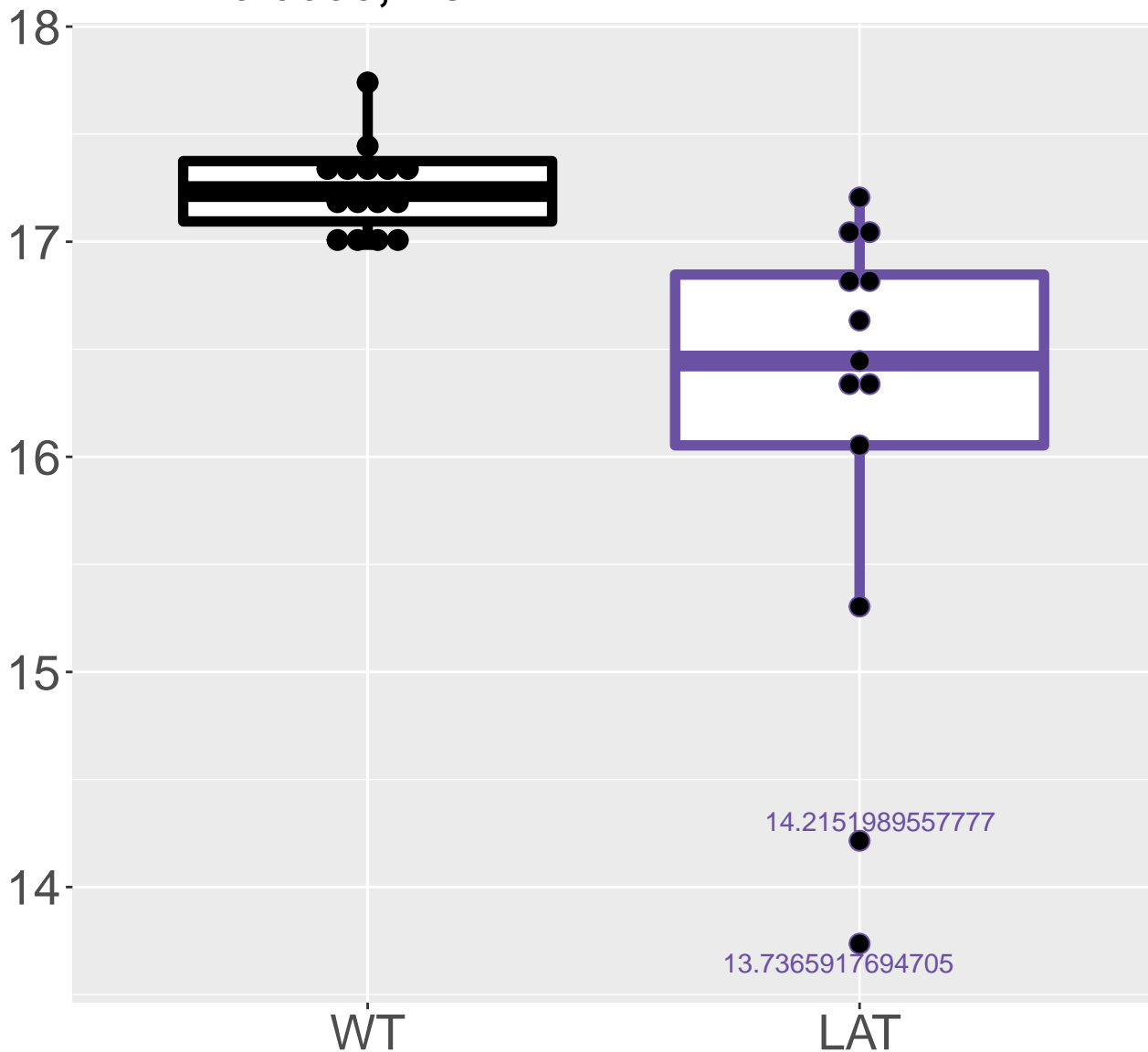




**FDR = 0.0038, FC = -0.52, sex\*\***

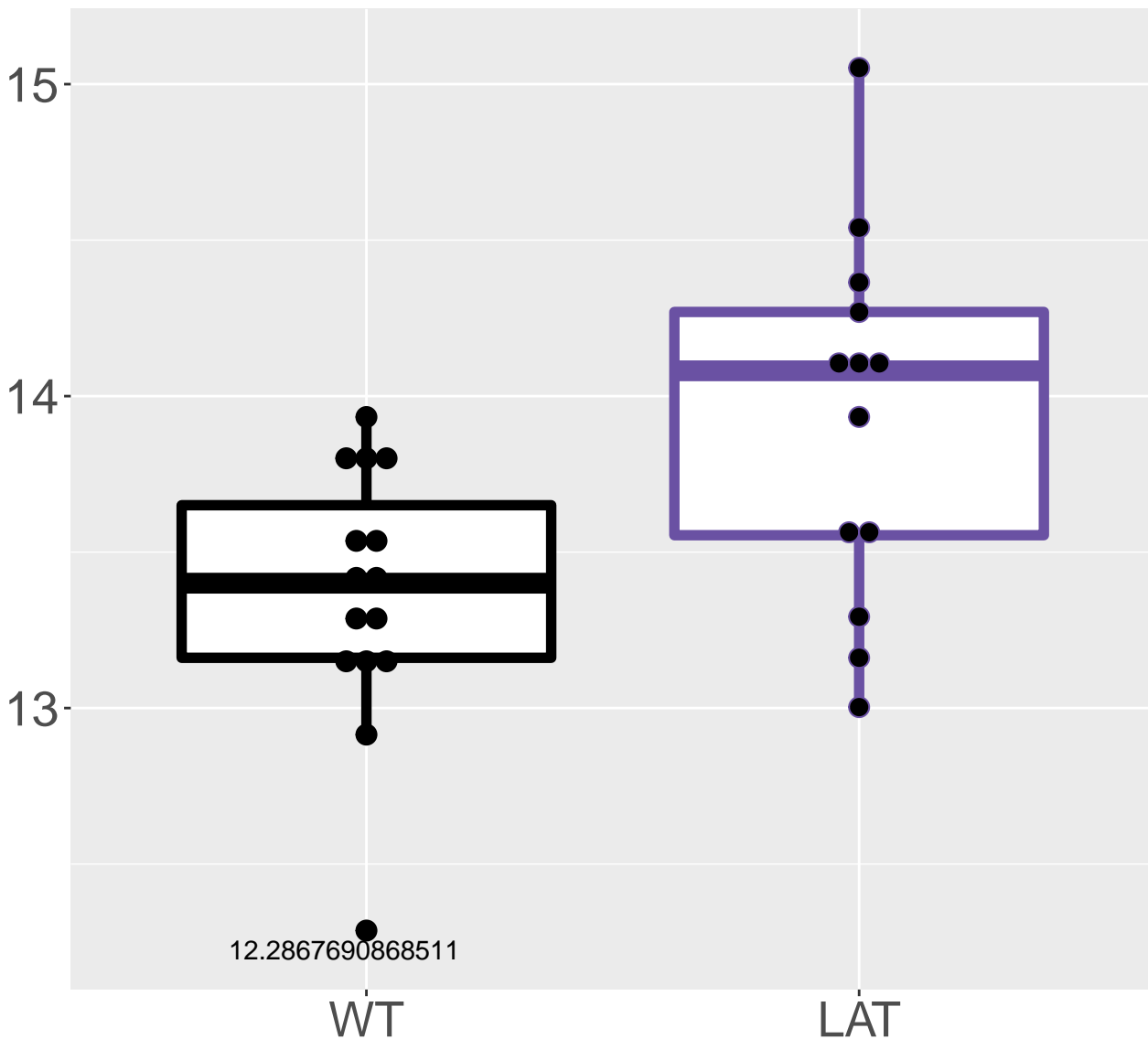


**M164.9715T113.19\_28**  
**FDR = 0.0038, FC = -1.1**



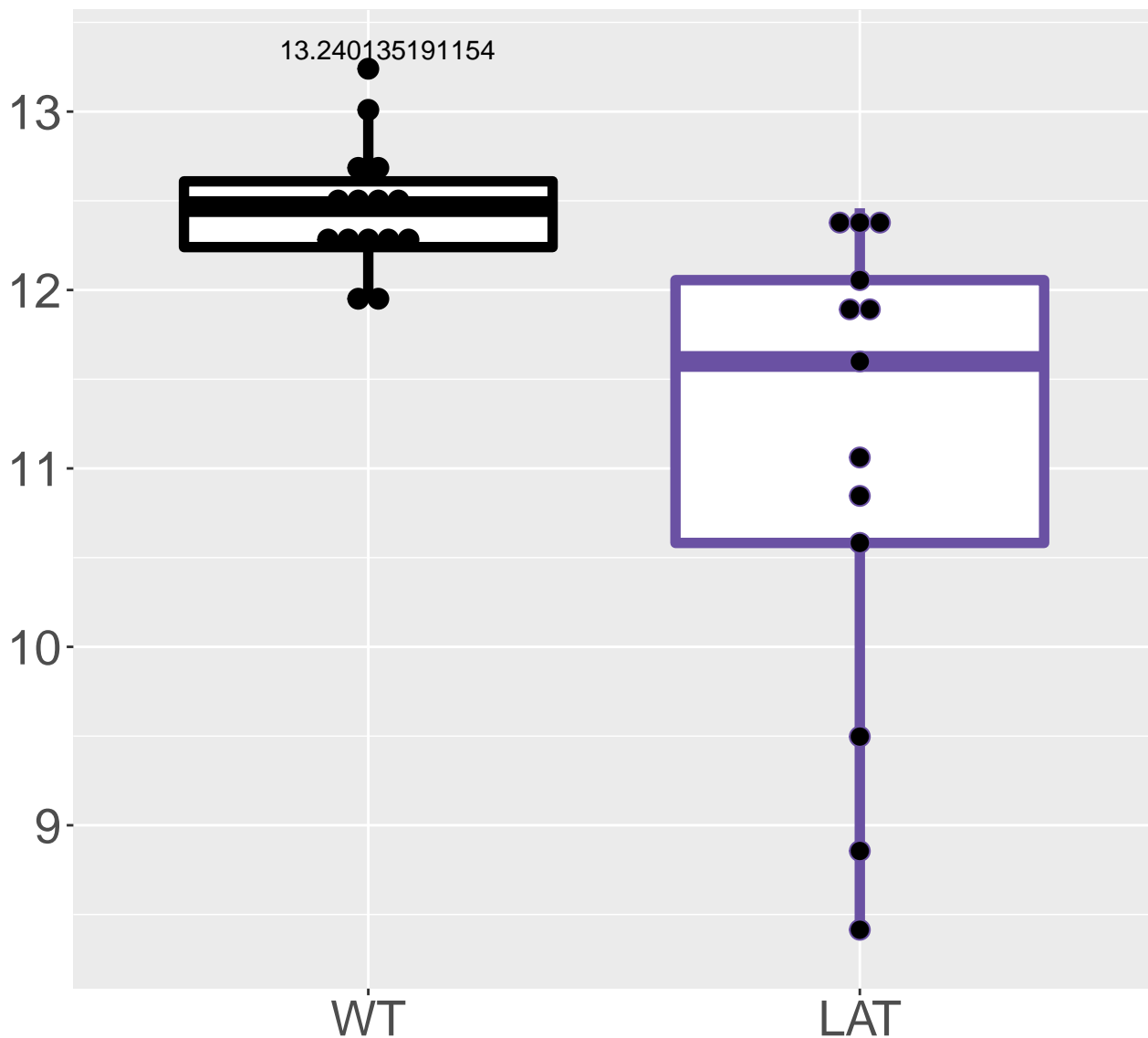
**M476.2698T267.65**

**FDR = 0.0039, FC = 0.56, sex\*\***



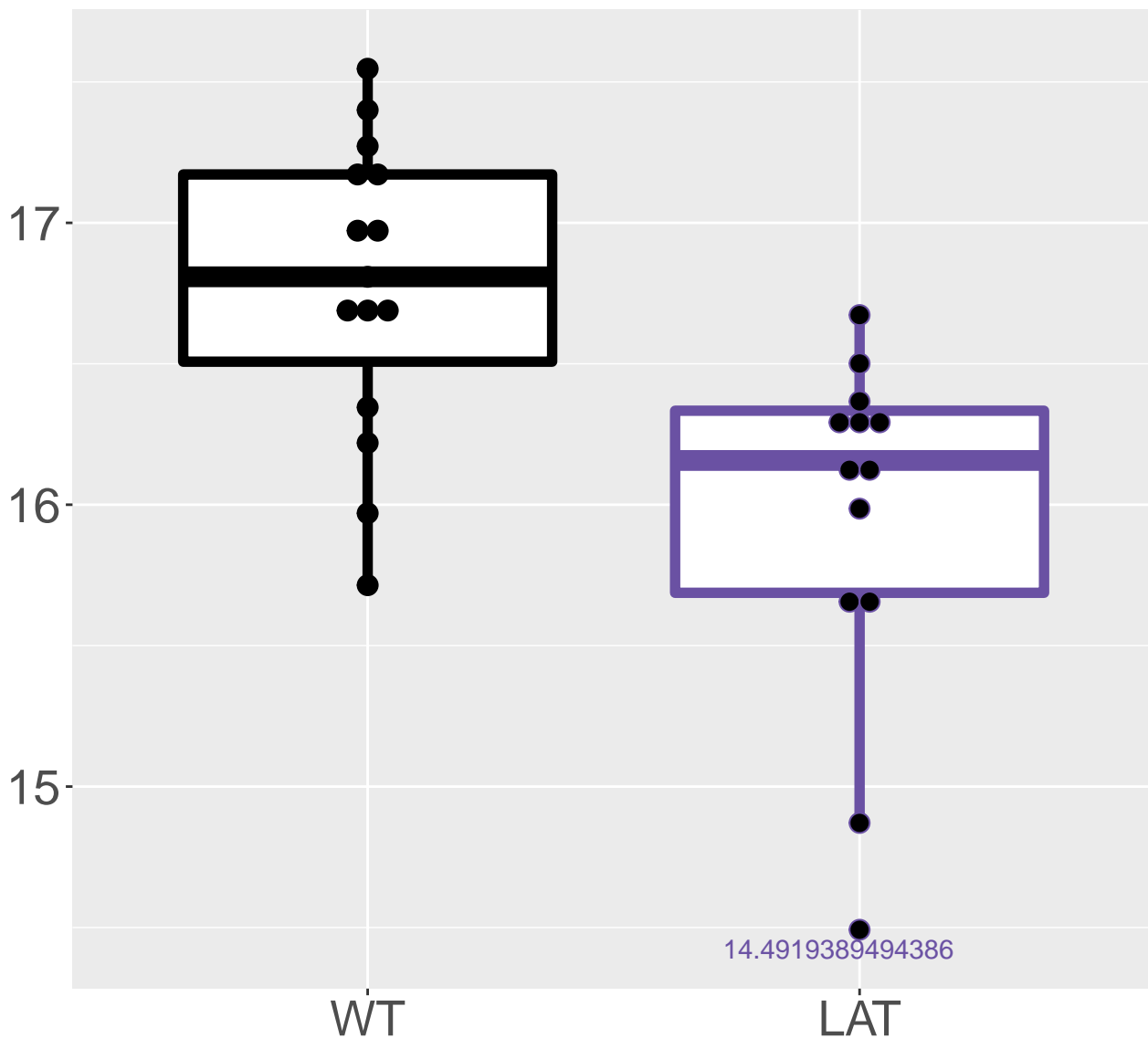
**M331.705T250.63**

**FDR = 0.0039, FC = -1.4**

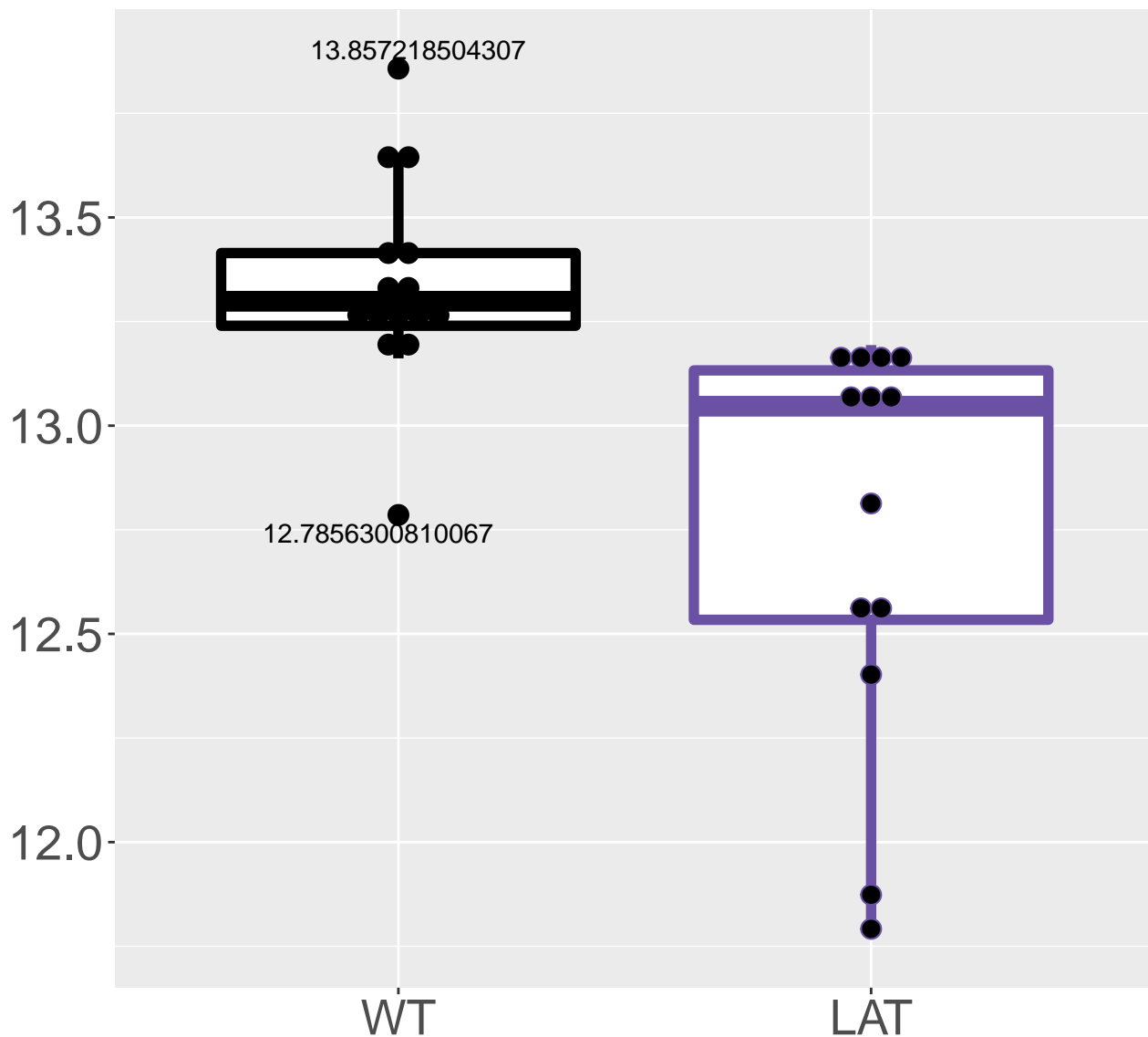


**M134.3577T75.63\_35**

**FDR = 0.0039, FC = -0.83**

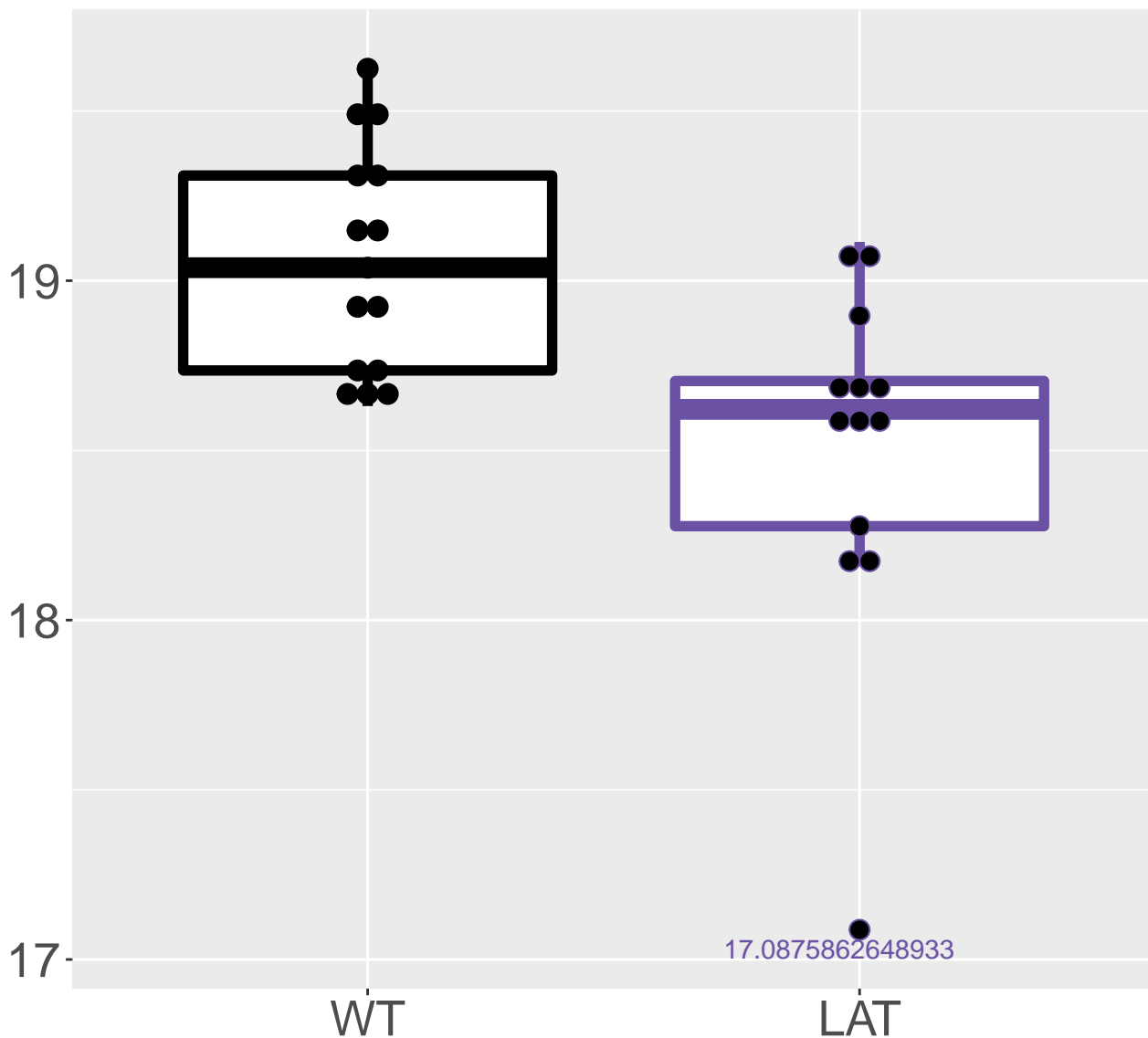


**M548.1013T295.15\_2**  
**FDR = 0.0039, FC = -0.59**



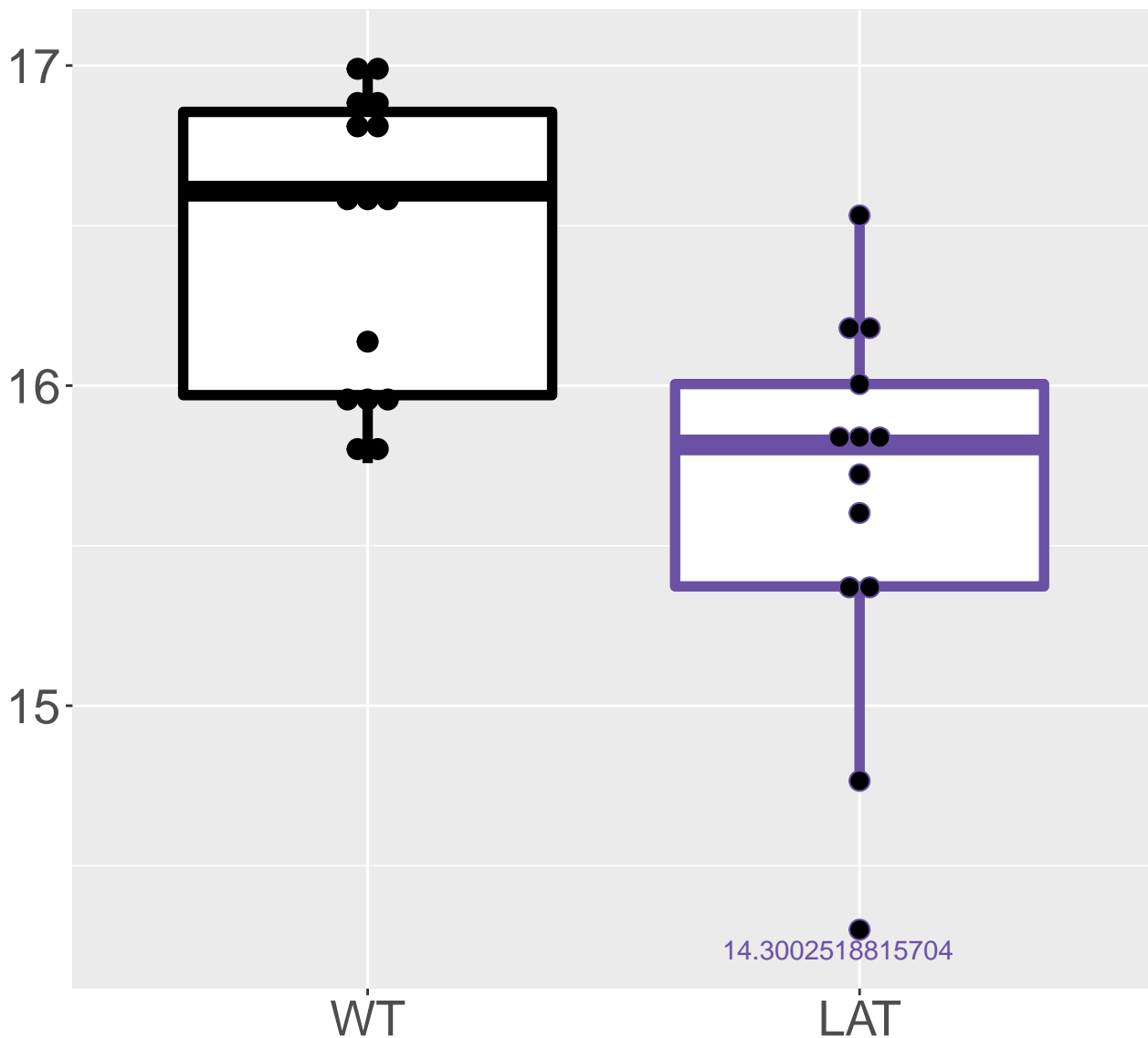
**M660.9192T298.31\_3**

**FDR = 0.0039, FC = -0.55, sex\*\***



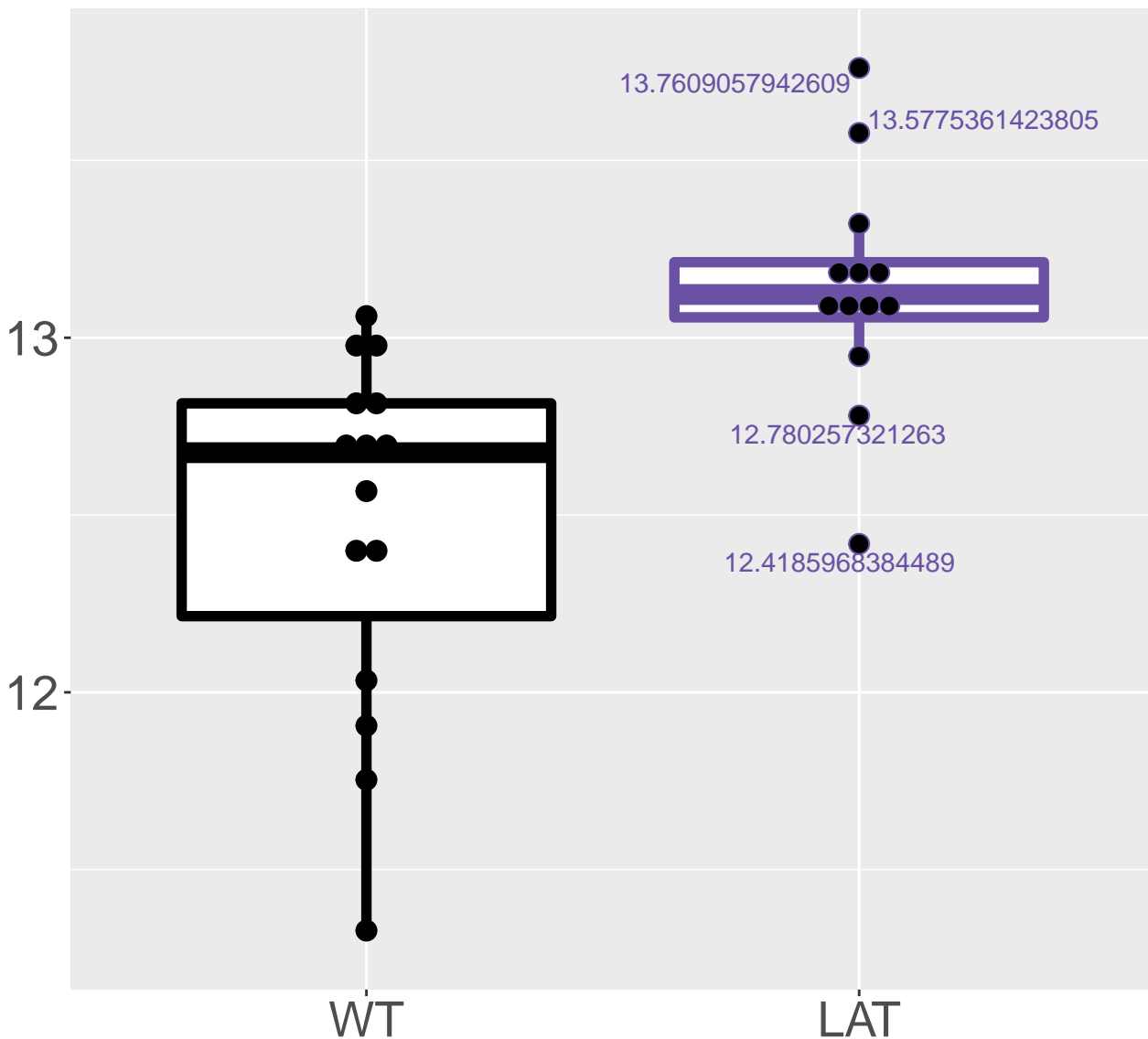
**M127.0235T75.63\_12**

**FDR = 0.0039, FC = -0.79**

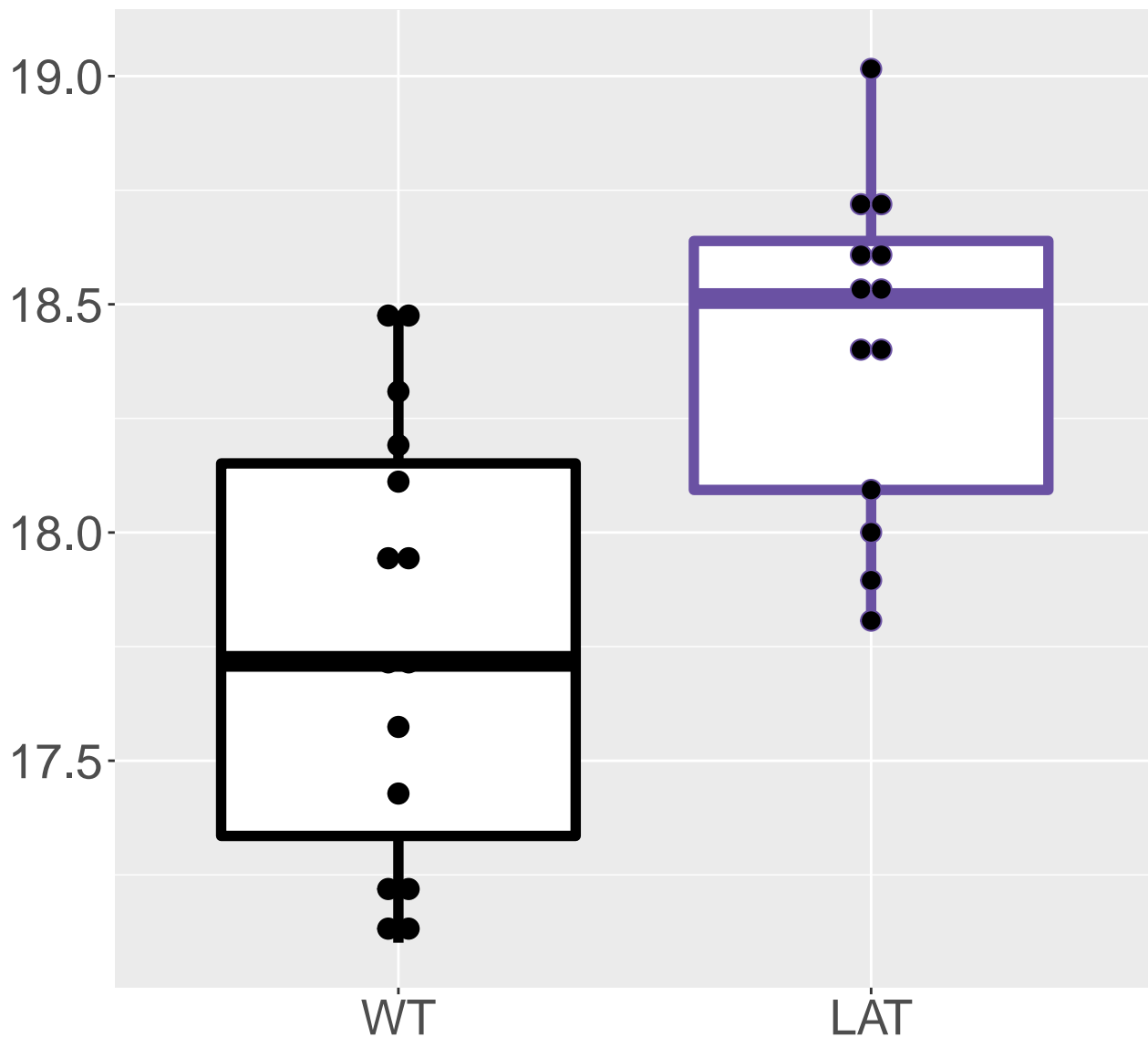




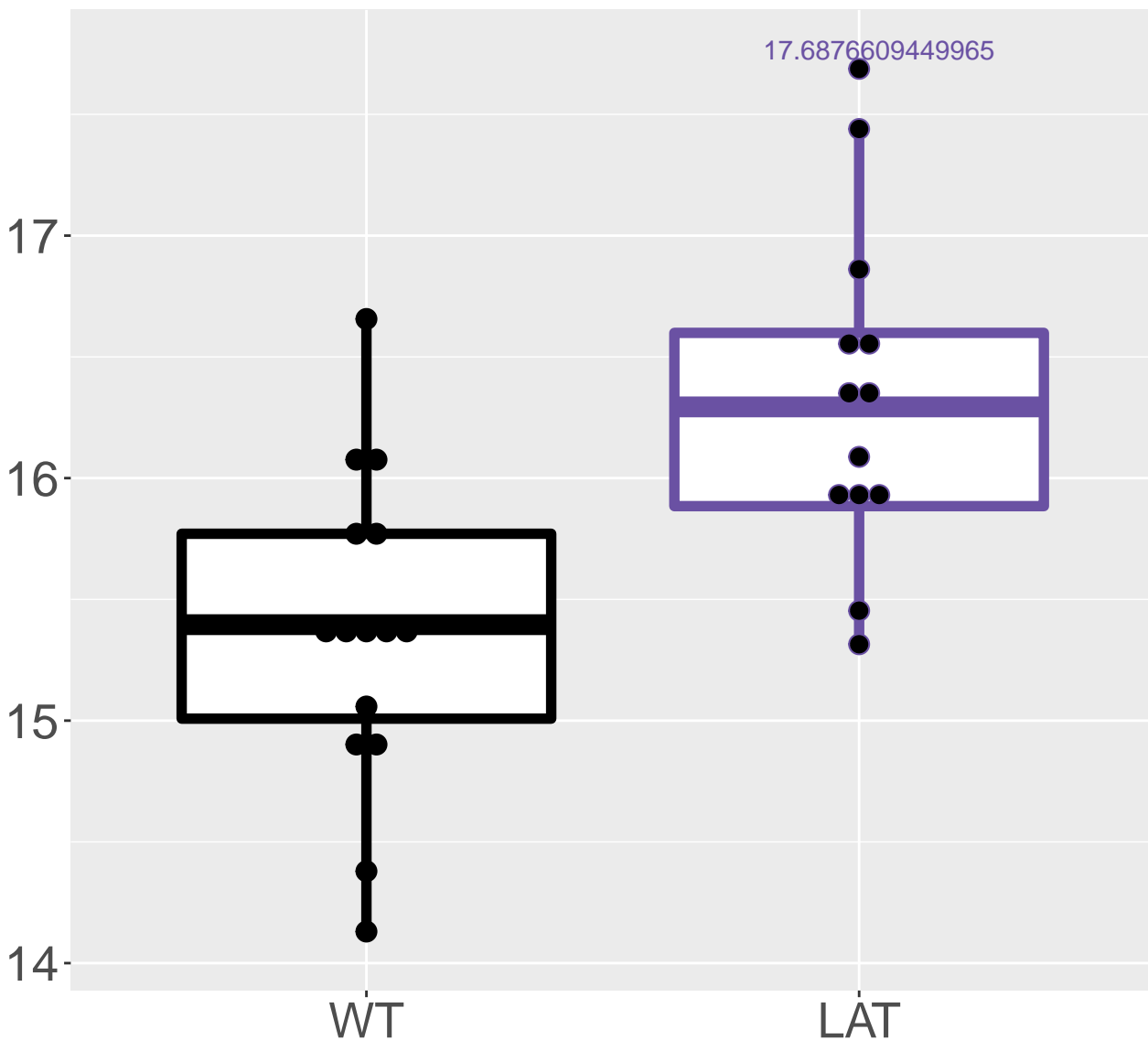
**FDR = 0.004, FC = 0.66**



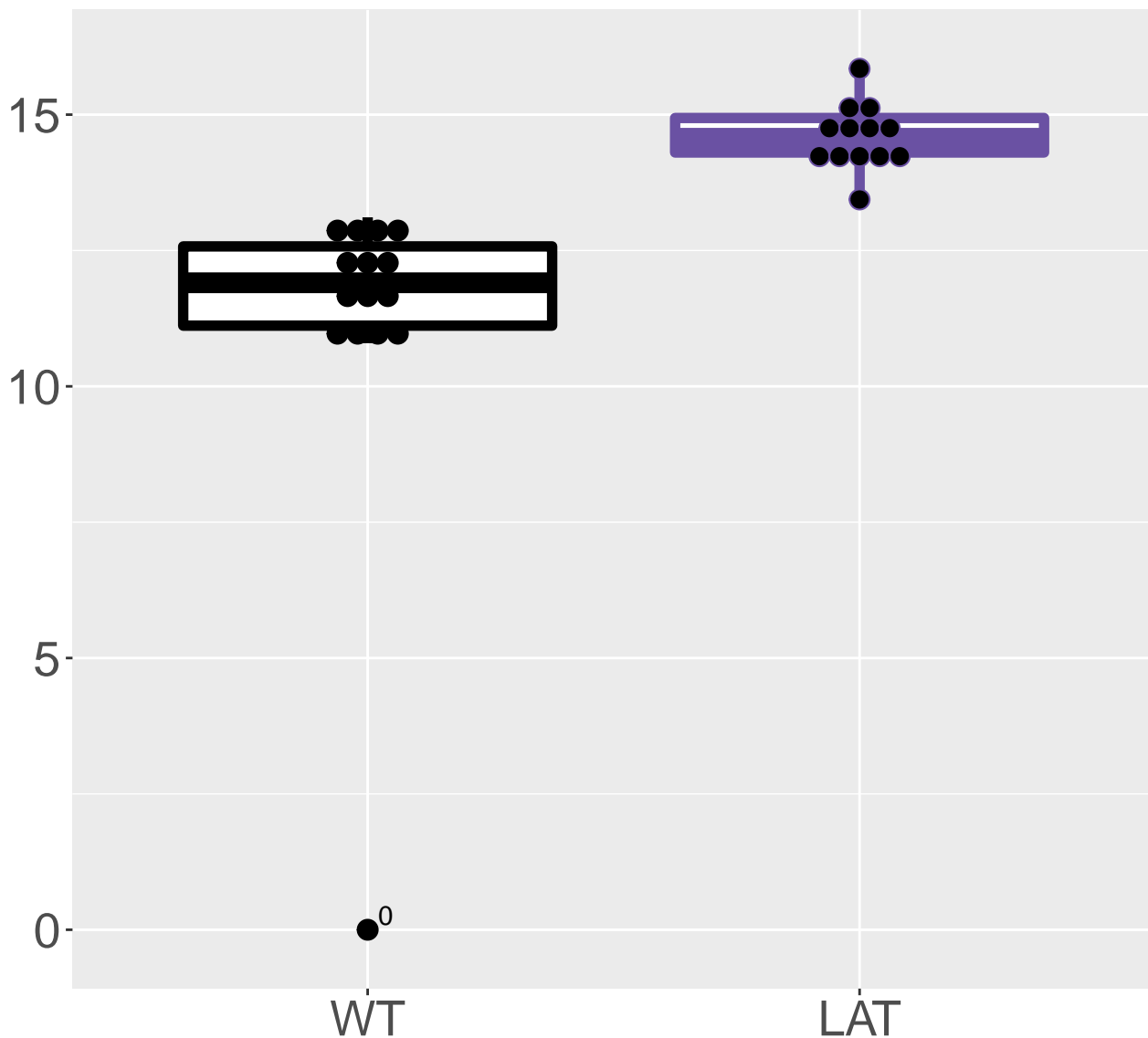
**M205.0691T47.45\_2**  
**FDR = 0.004, FC = 0.64**



**M532.1402T294.4**  
**FDR = 0.004, FC = 0.96**

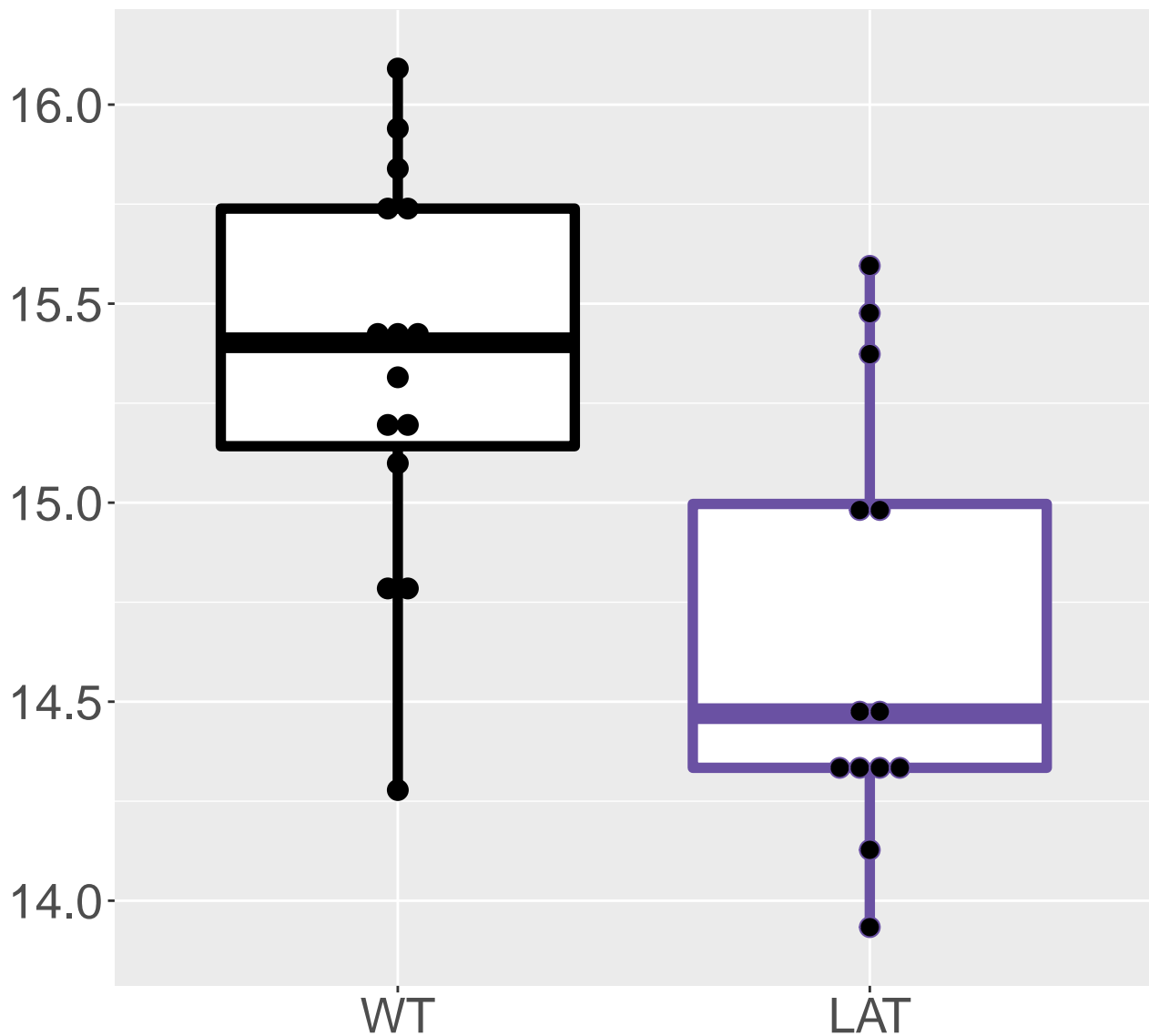


**M388.2469T322.61**  
**FDR = 0.004, FC = 3.4**

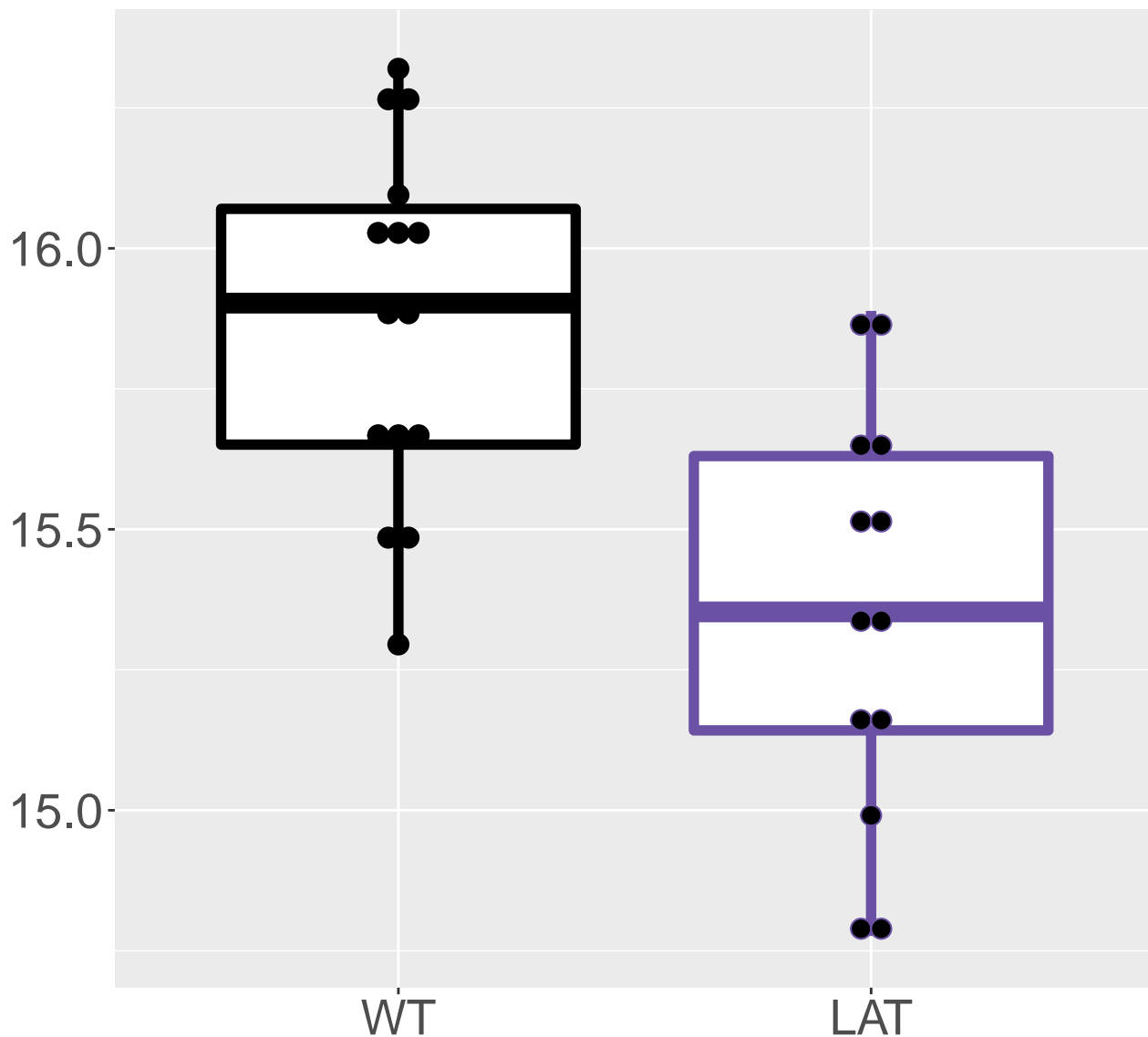


**M346.1999T304.45**

**FDR = 0.004, FC = -0.68**

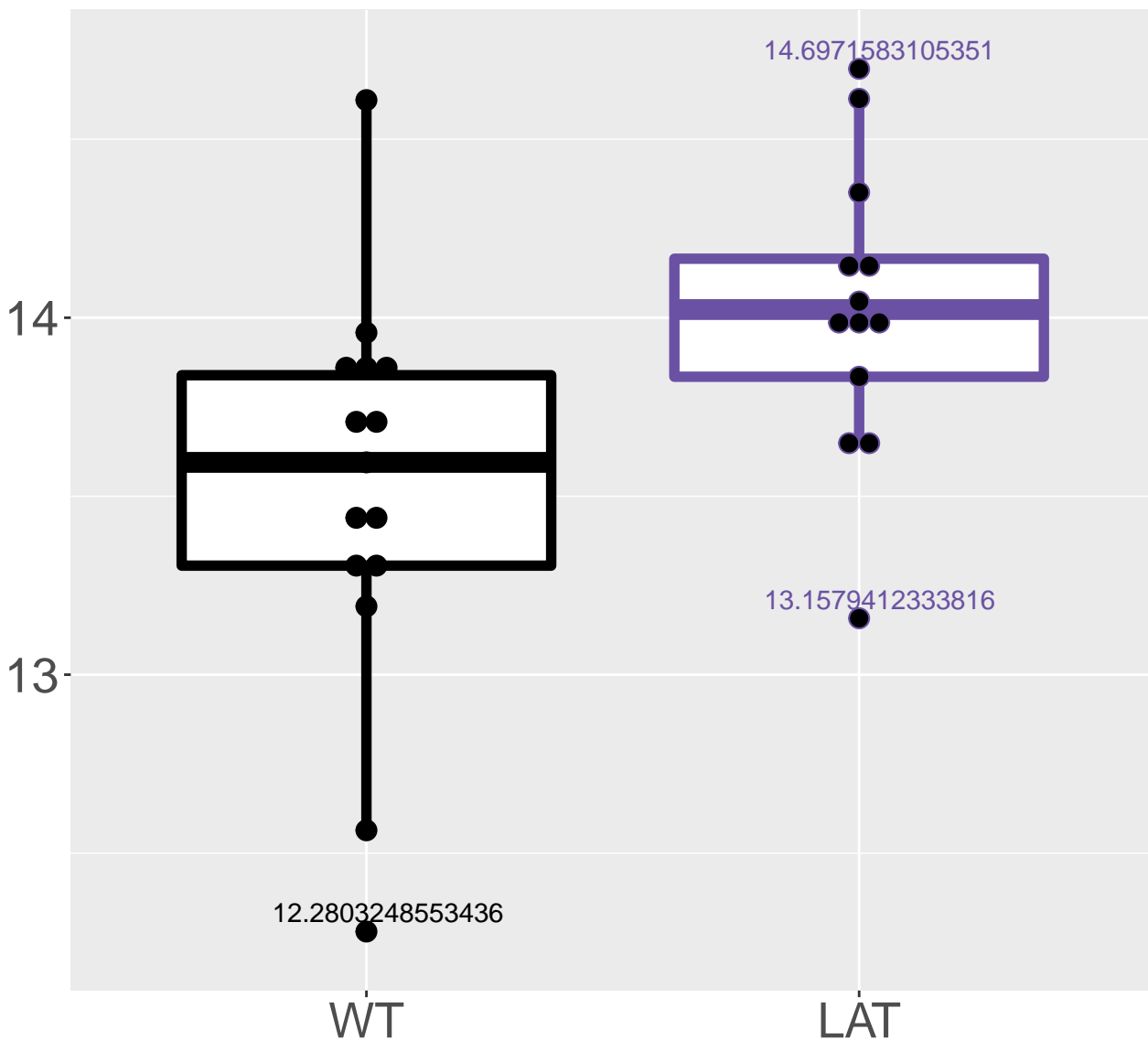


**M172.1983T113.22\_29**  
**FDR = 0.004, FC = -0.52**

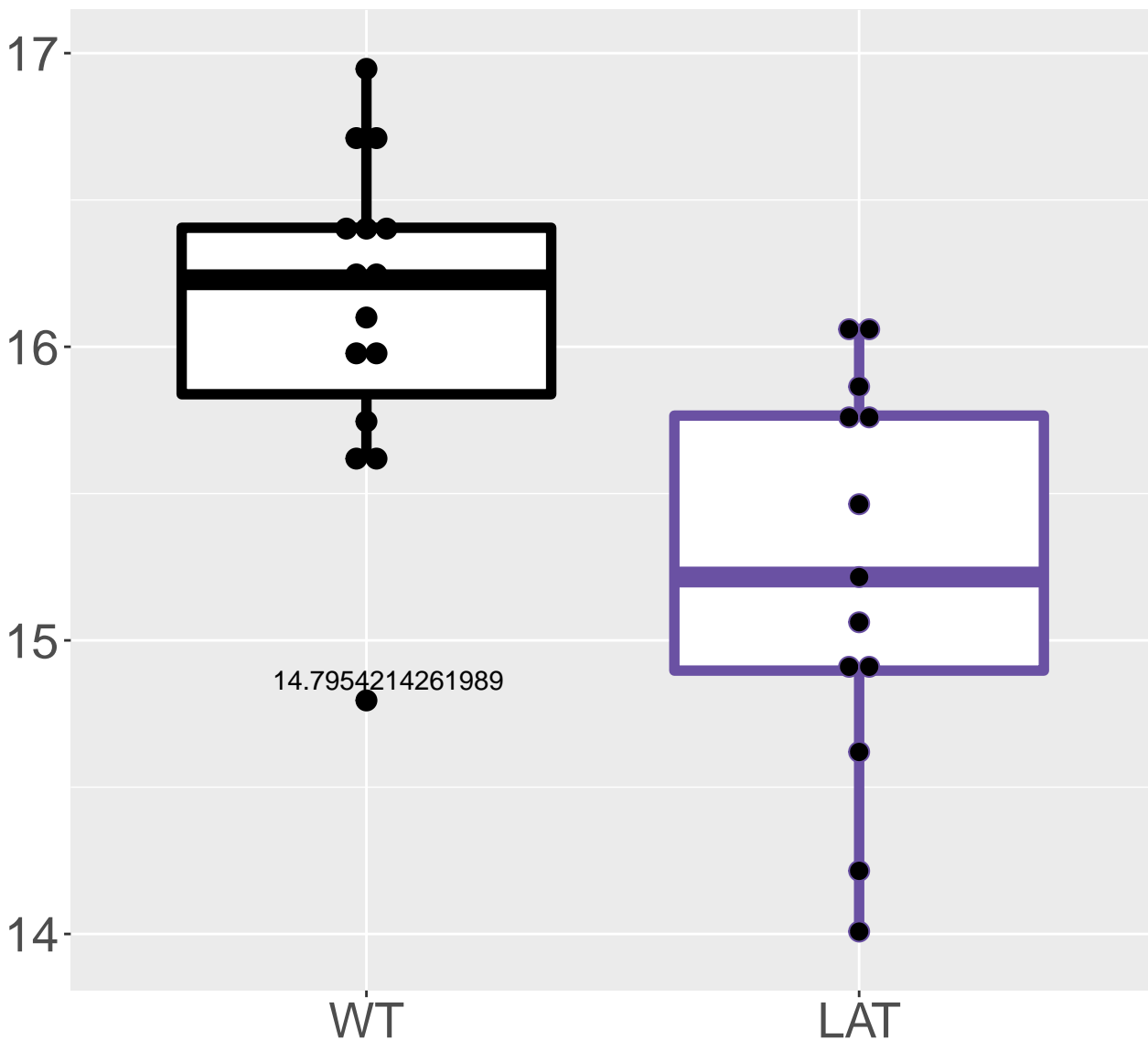


**M708.3781T333.16**

**FDR = 0.004, FC = 0.51, sex\*\***

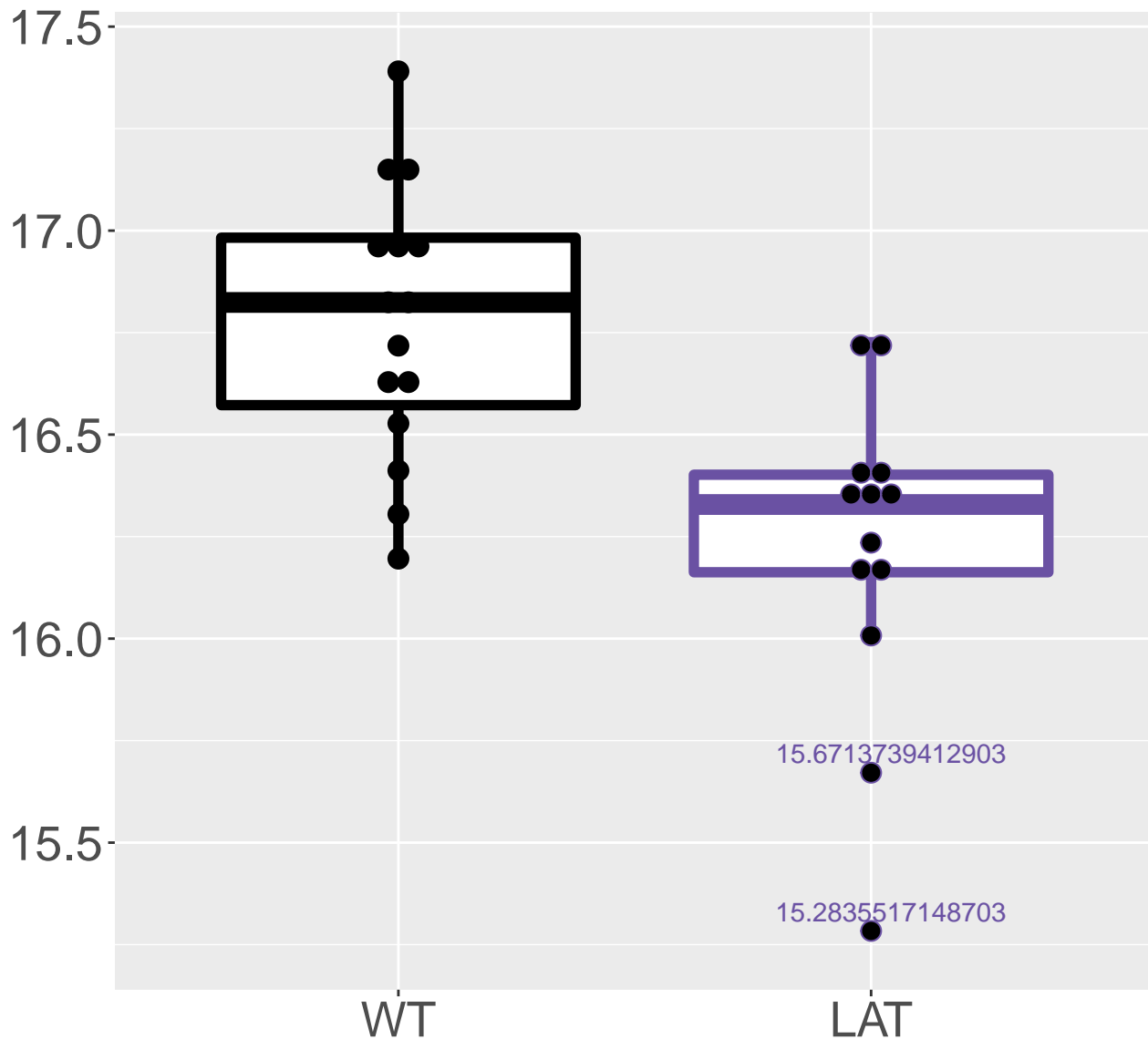


**M169.5485T113.19\_2**  
**FDR = 0.0041, FC = -0.9**



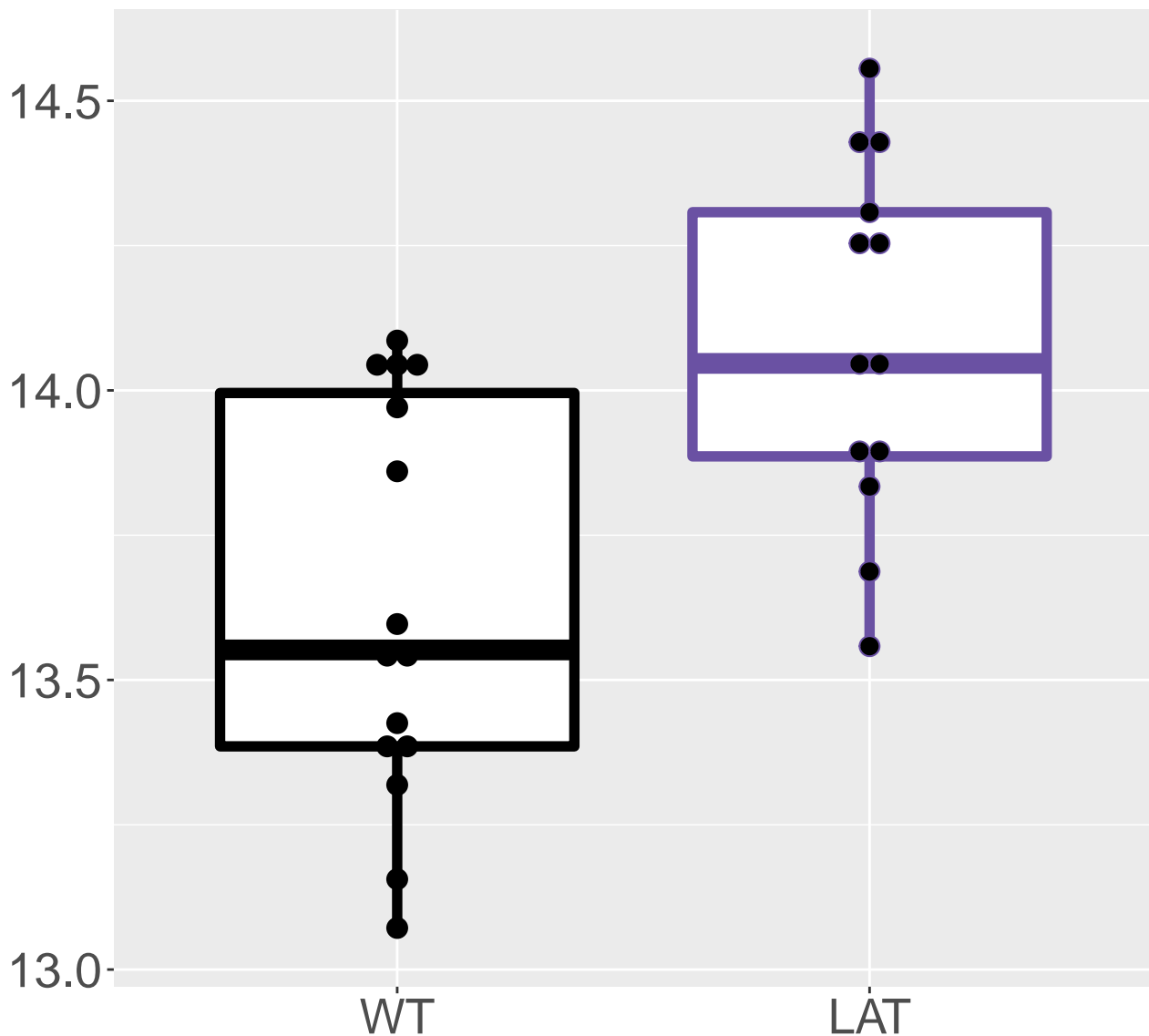


**M128.7274T75.49\_12**  
**FDR = 0.0041, FC = -0.56**



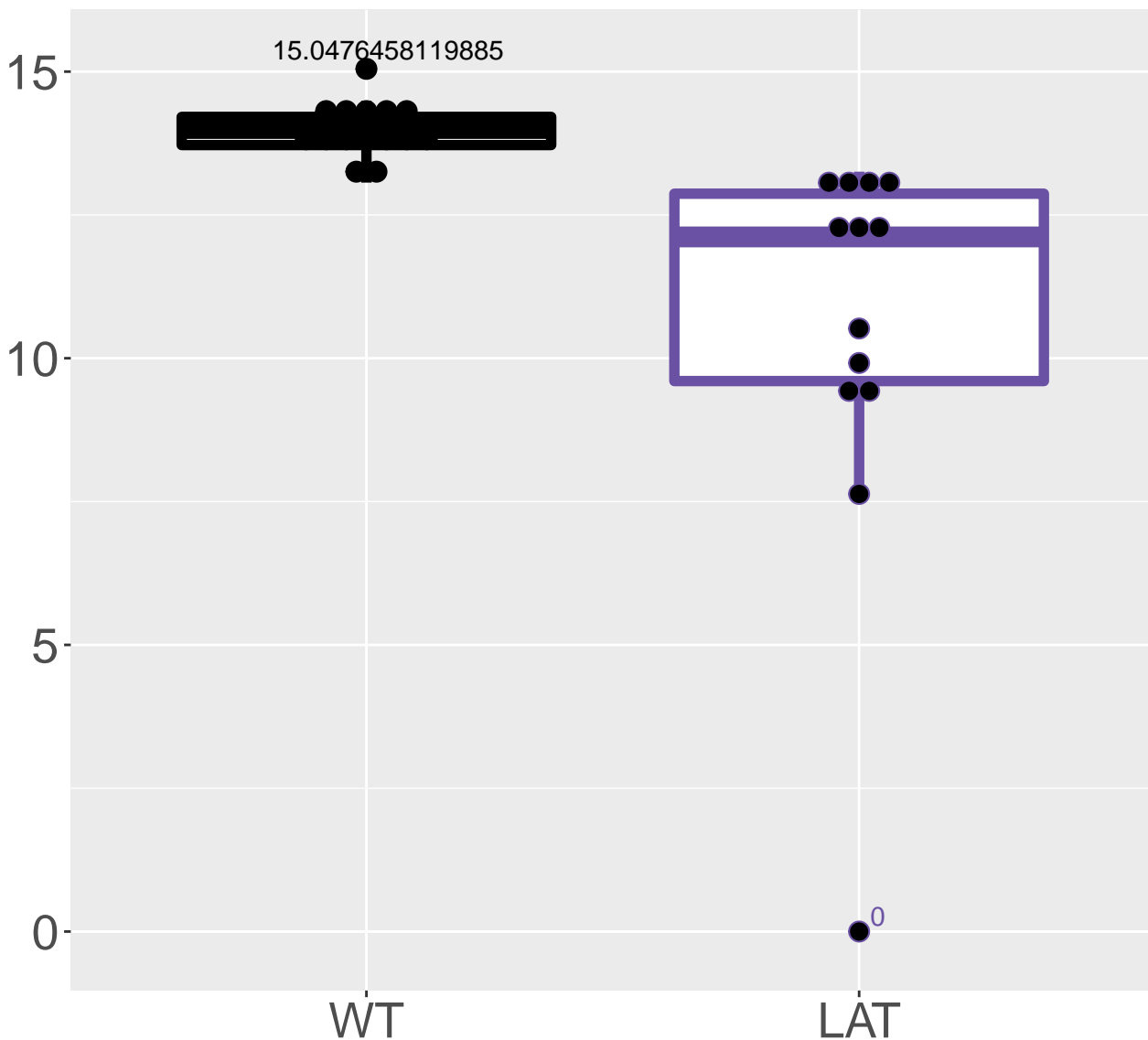
**M525.9448T284.81\_3**

**FDR = 0.0043, FC = 0.46**



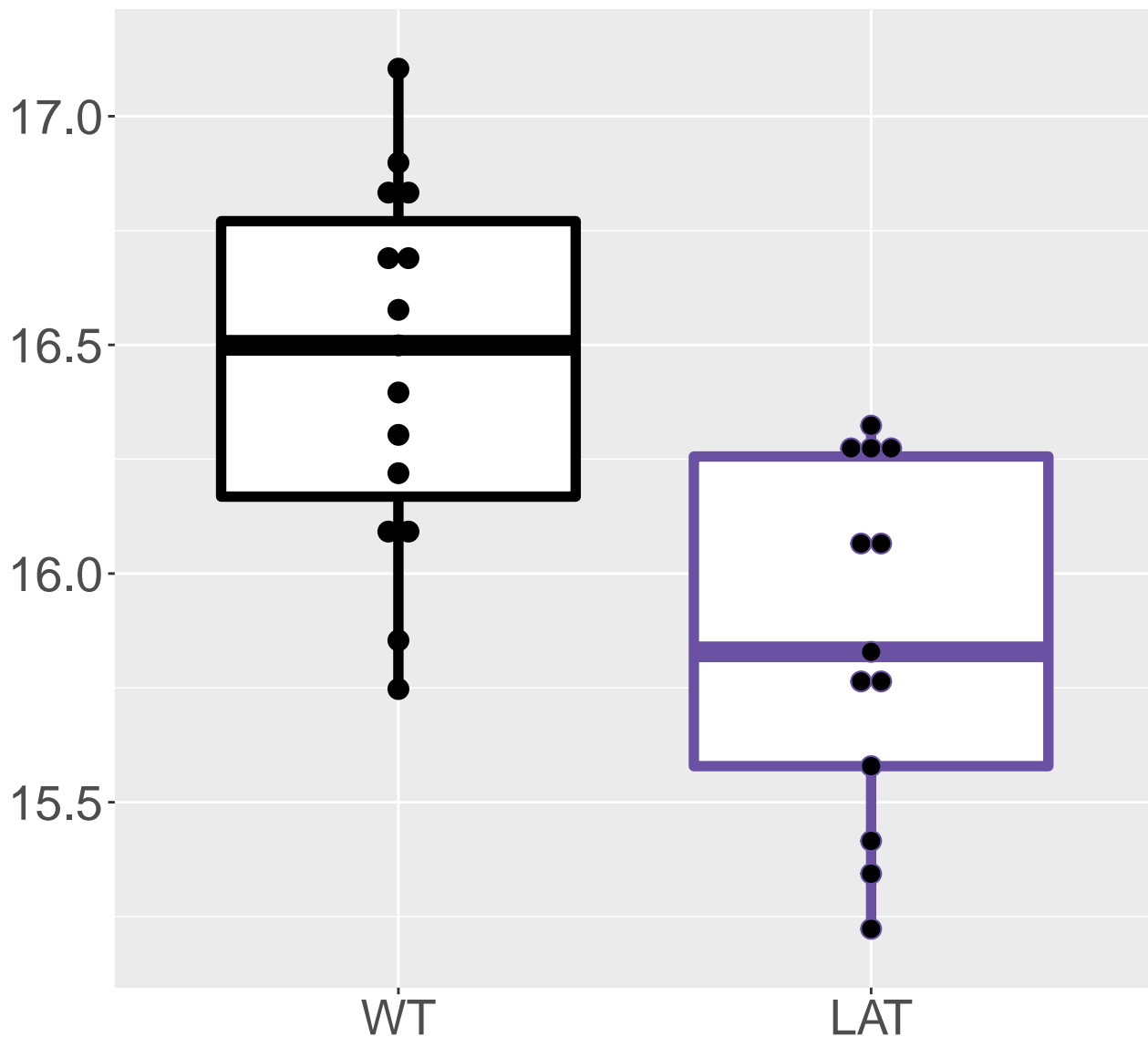
**M509.6523T320.47**

**FDR = 0.0043, FC = -3.5**



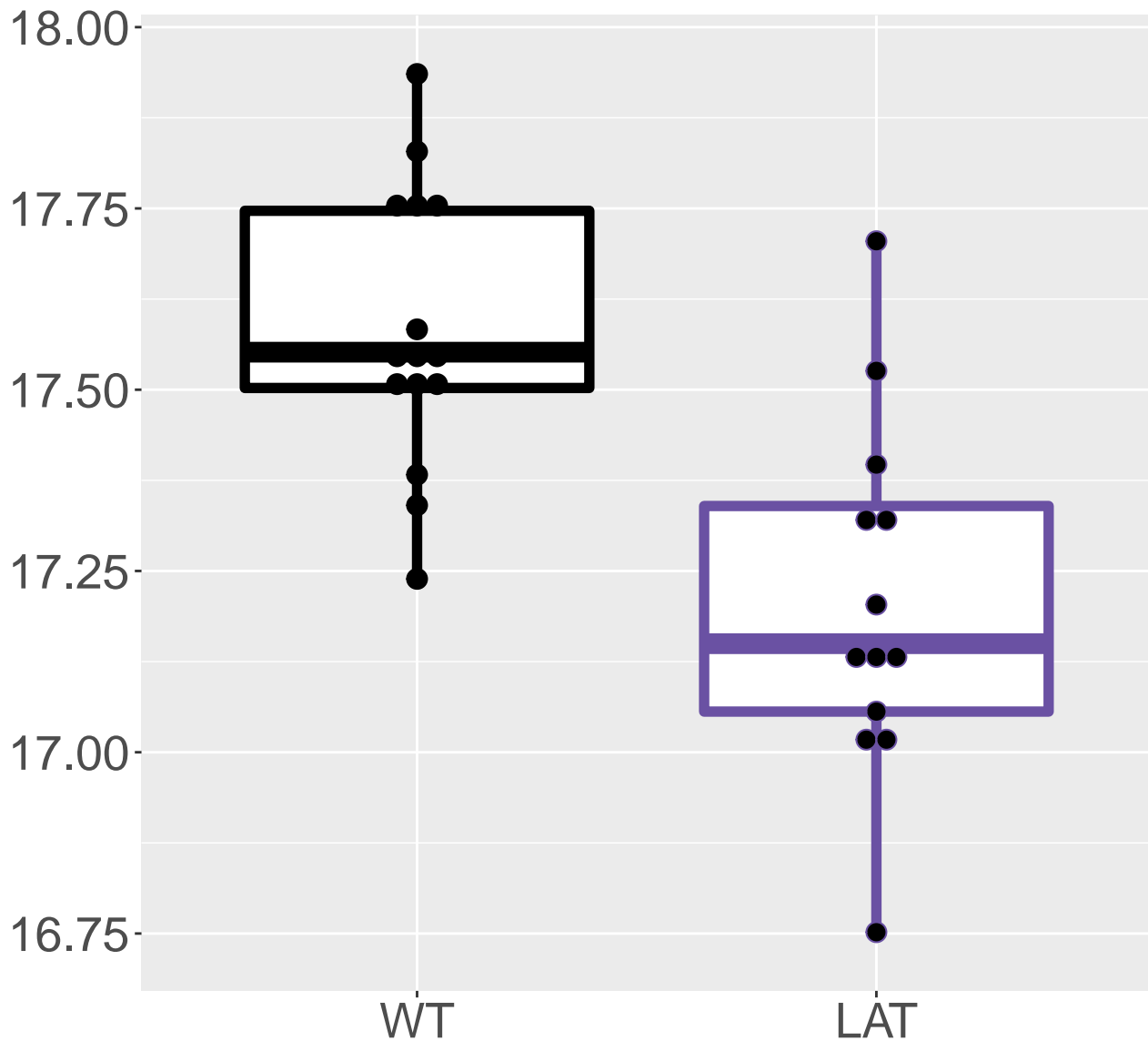
**M127.852T75.44\_19**

**FDR = 0.0043, FC = -0.59**

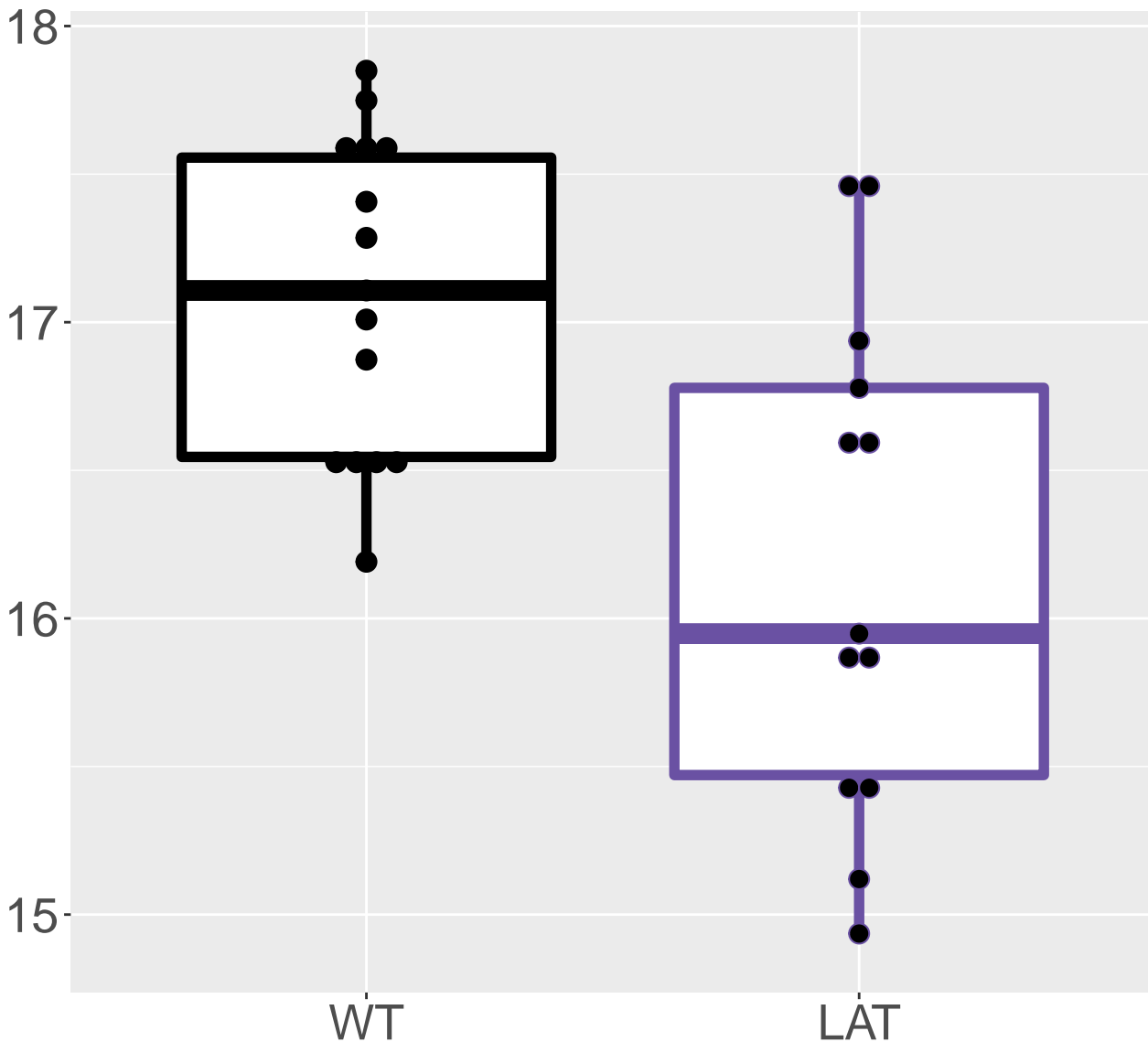


**M168.4452T38.63**

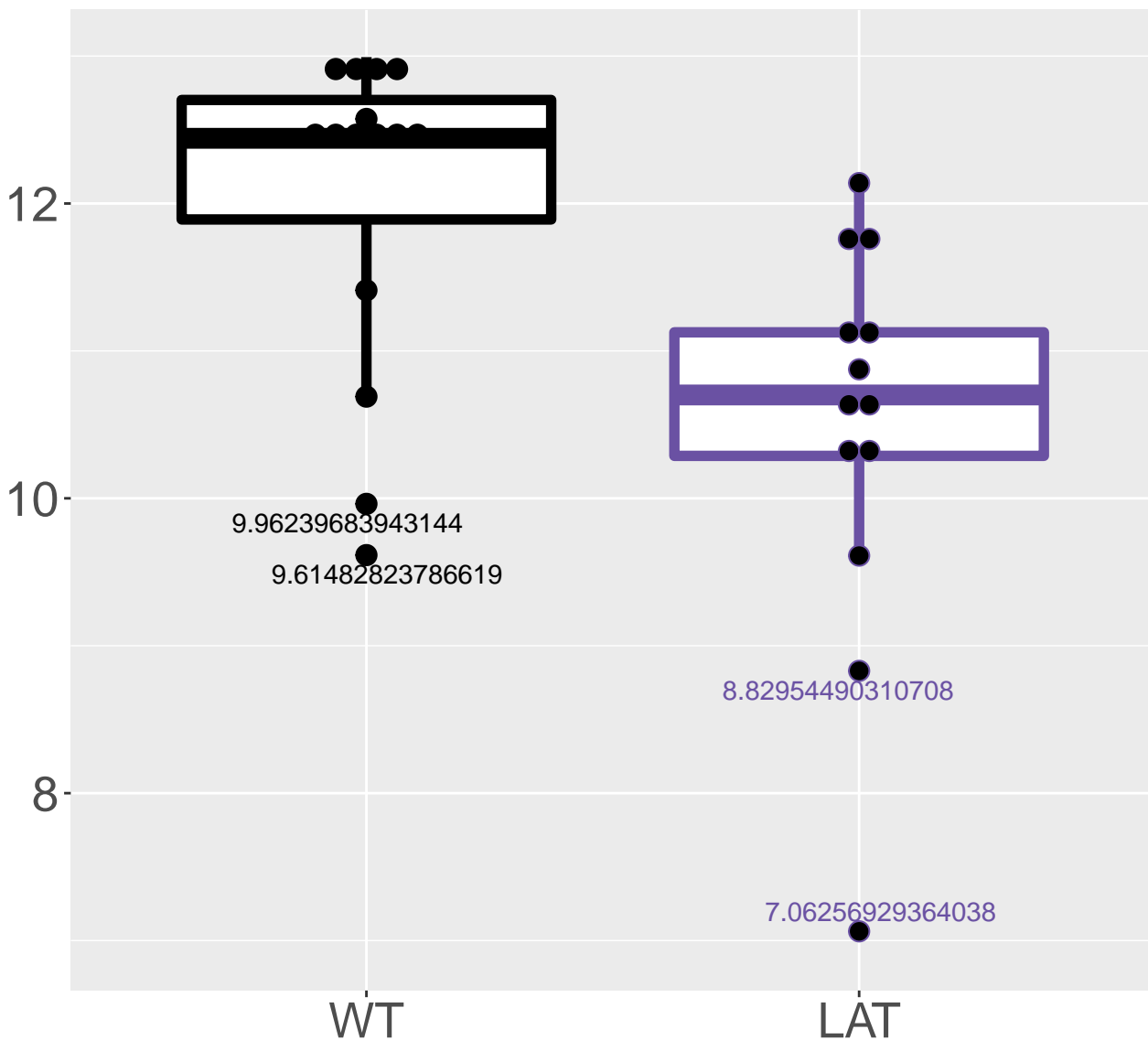
**FDR = 0.0043, FC = -0.38**



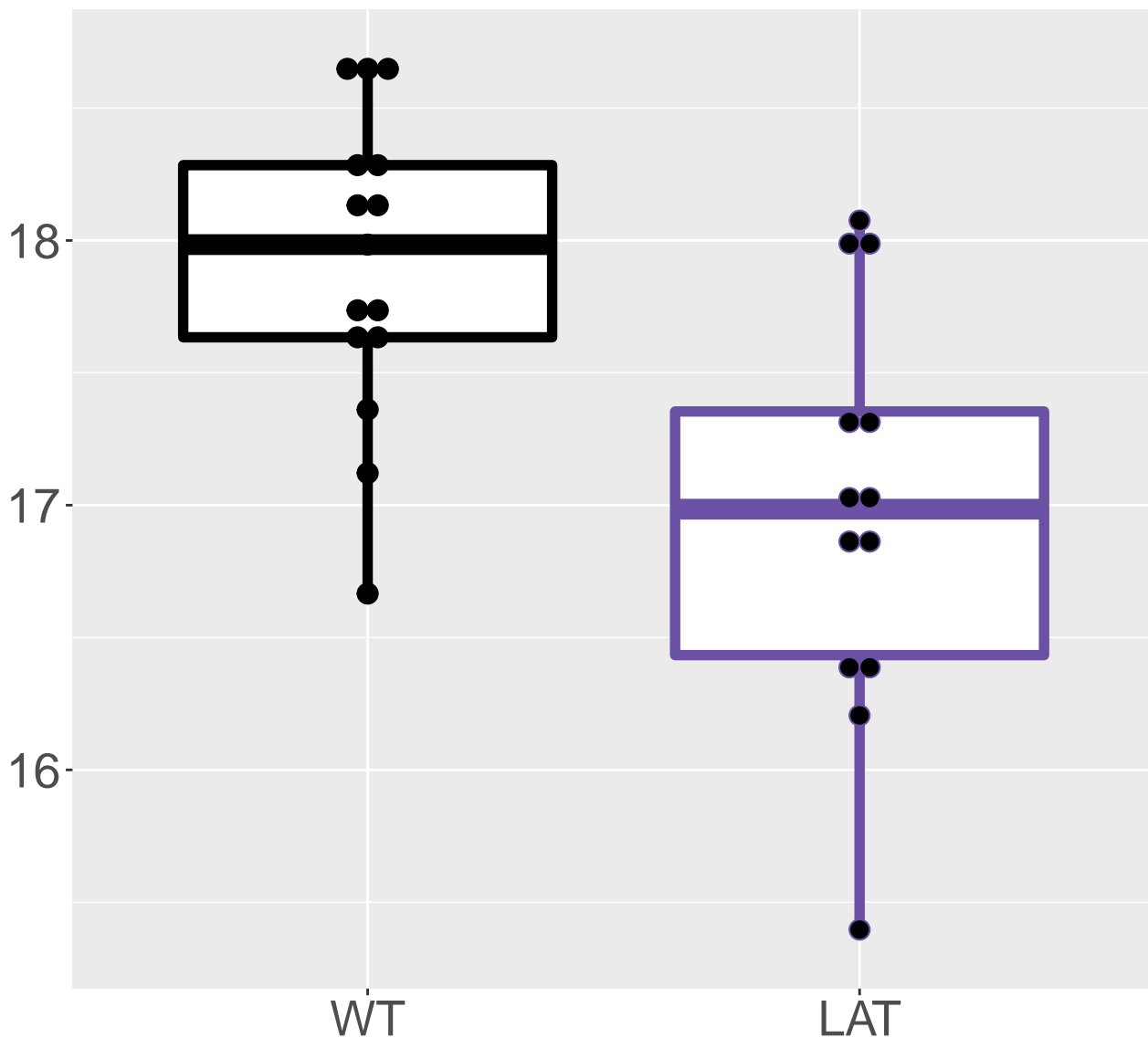
**M130.0884T75.34\_31**  
**FDR = 0.0043, FC = -0.9**



**FDR = 0.0043, FC = -1.6**

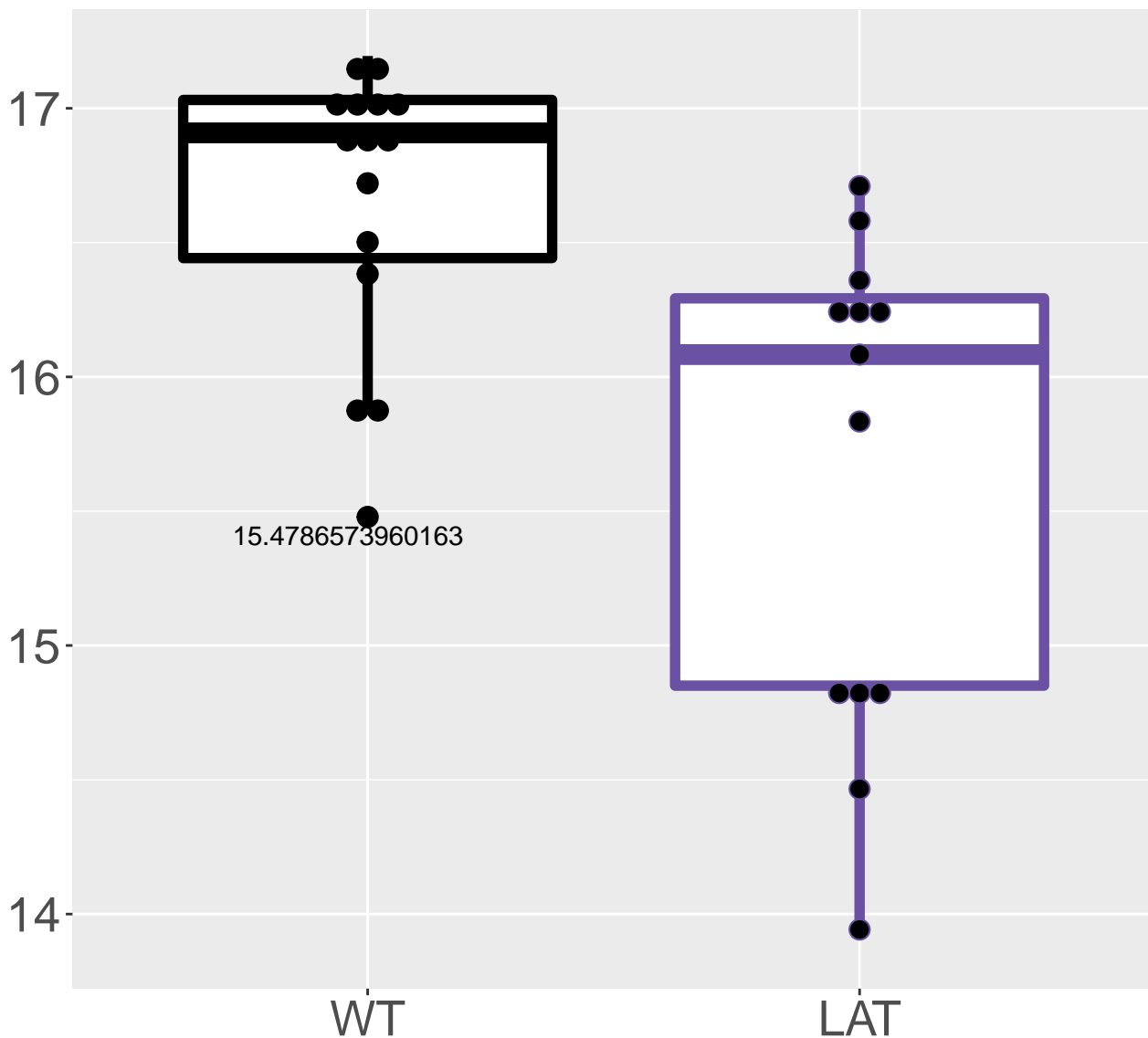


**4-Pyridoxic acid**  
**FDR = 0.0044, FC = -0.92**



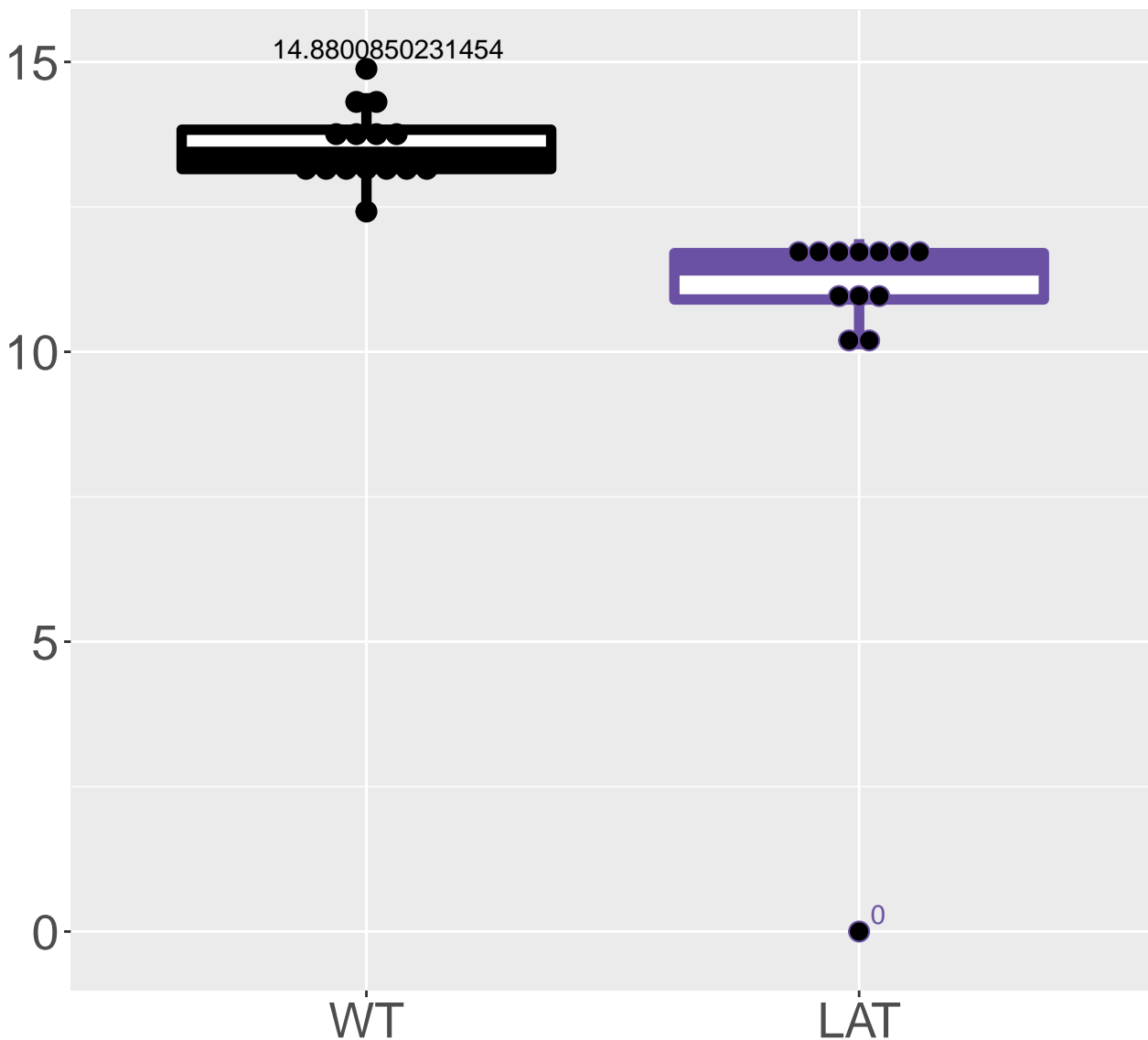


**M134.1218T75.56\_26**  
**FDR = 0.0044, FC = -1**



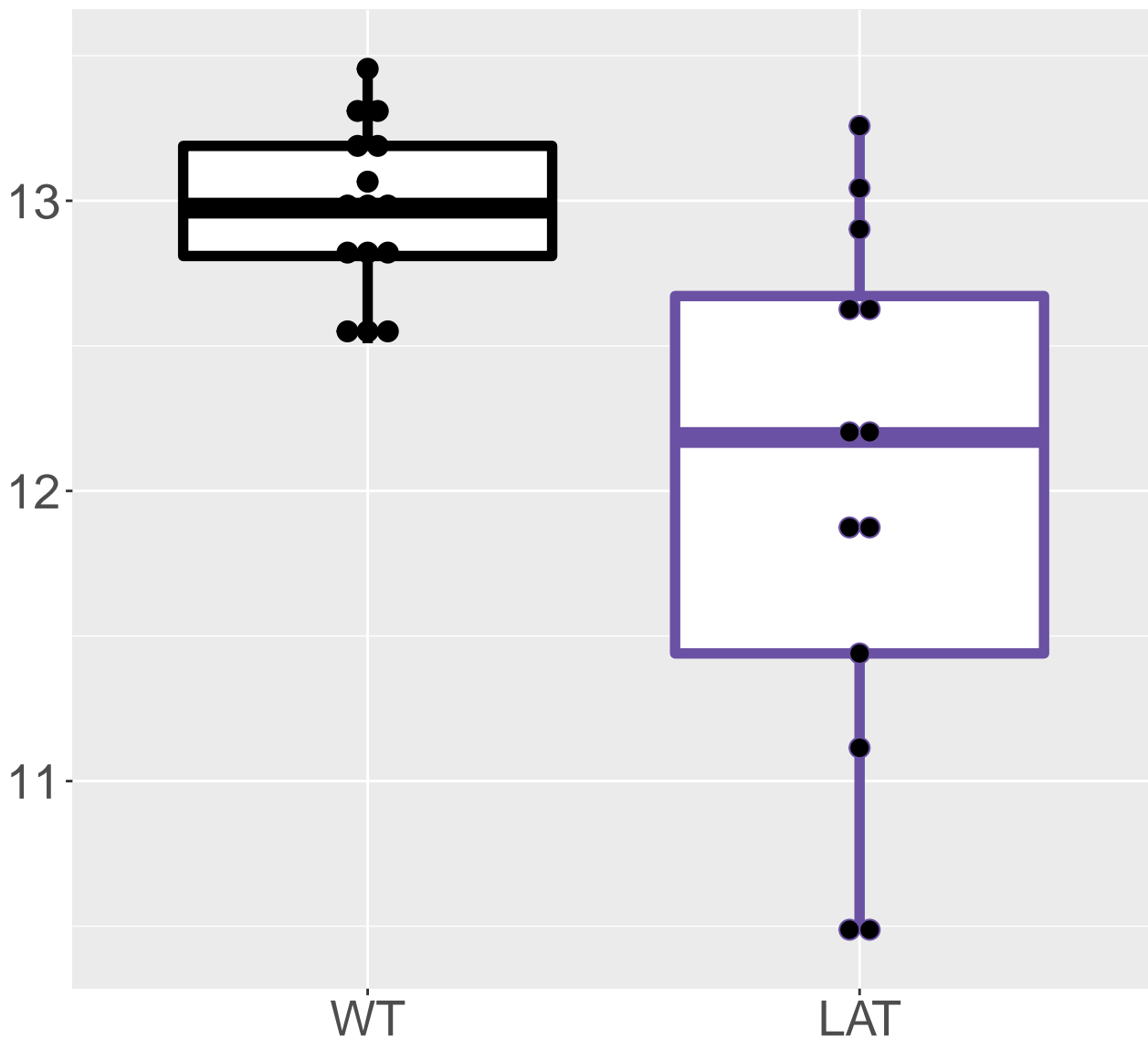
**M680.372T275.72\_3**

**FDR = 0.0044, FC = -3.1**

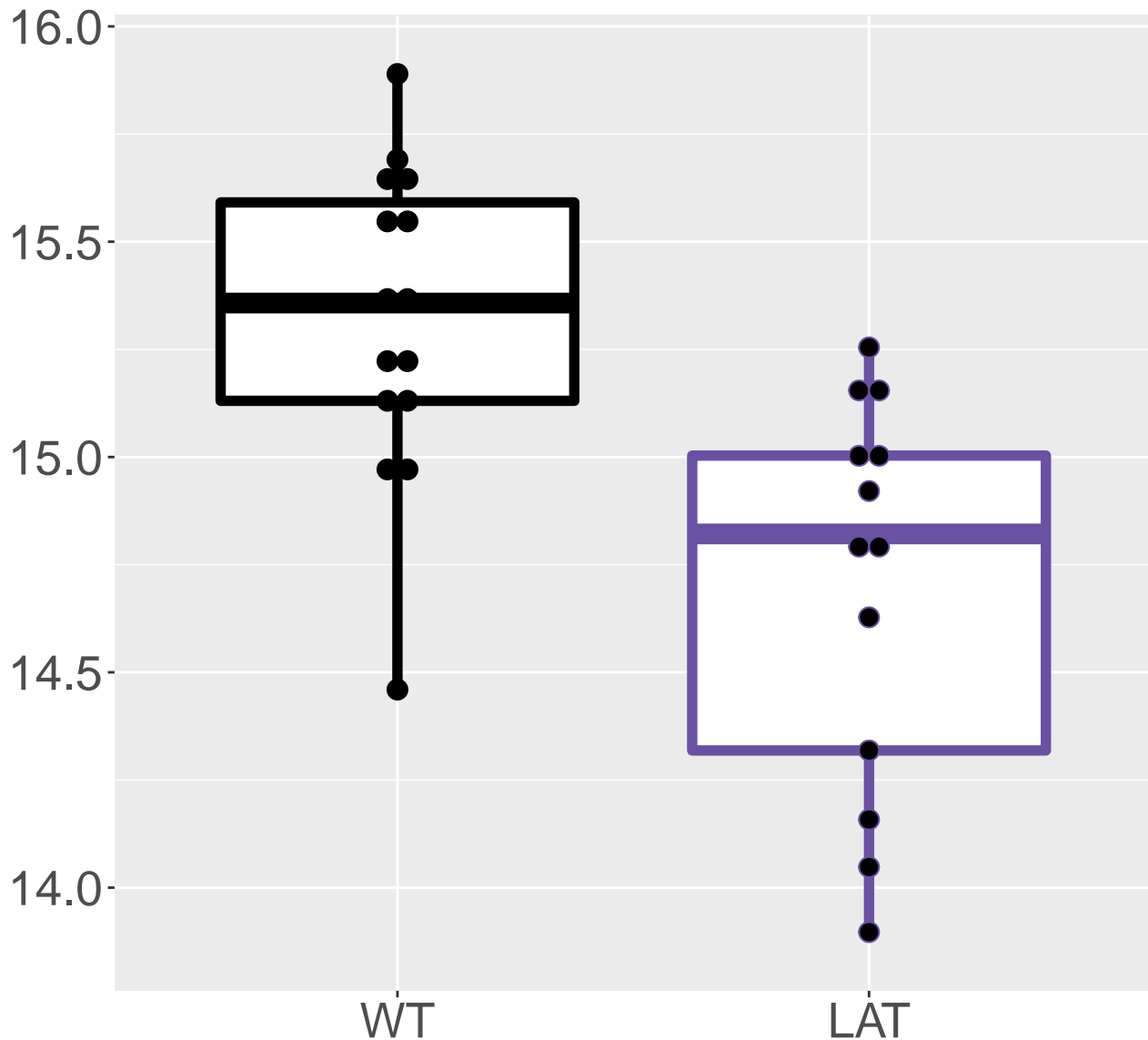


**M244.4826T104.53**

**FDR = 0.0044, FC = -0.96**

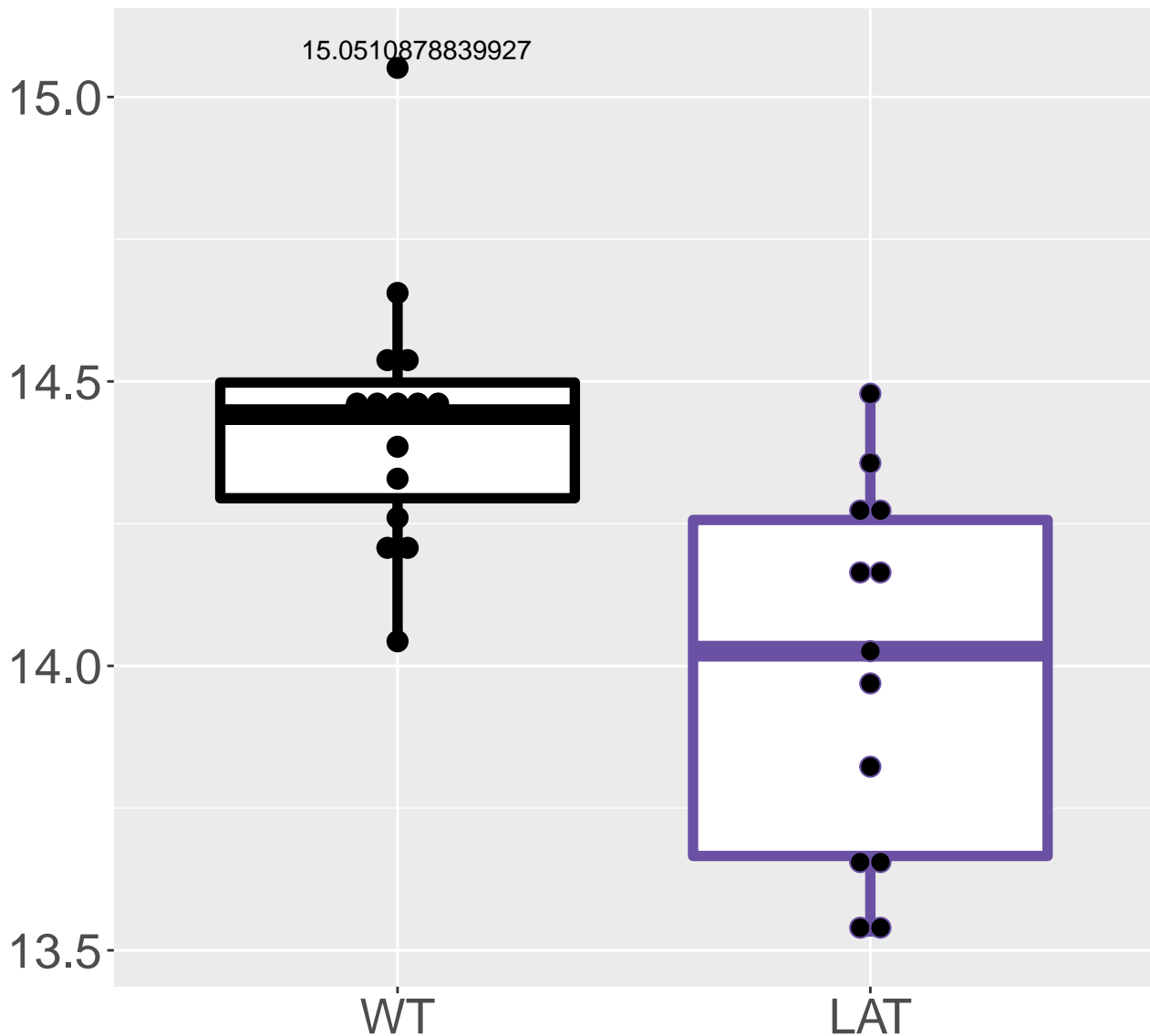


**M155.4332T113.11\_10**  
**FDR = 0.0044, FC = -0.62**



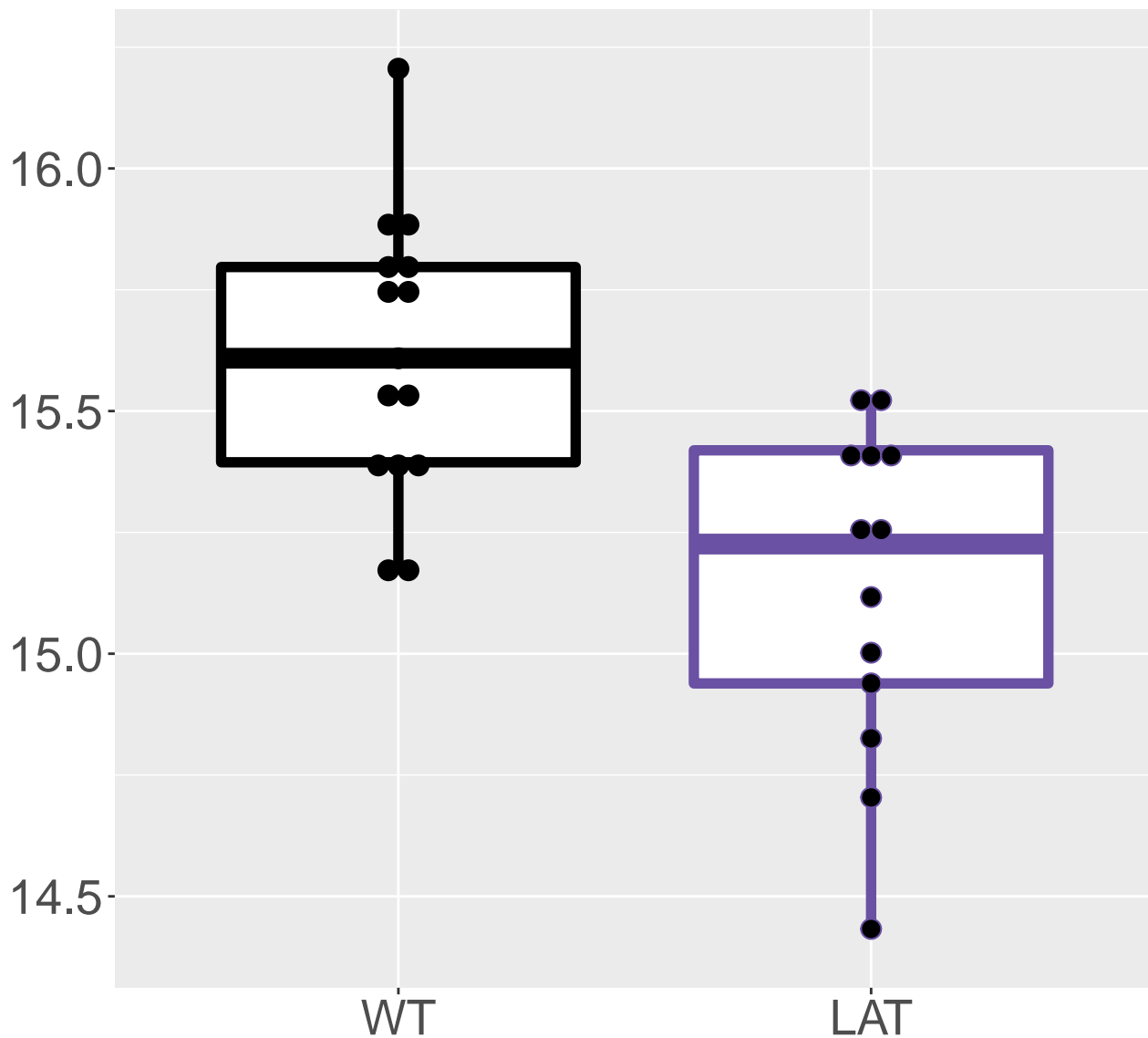
**M216.089T42.11**

**FDR = 0.0044, FC = -0.44**



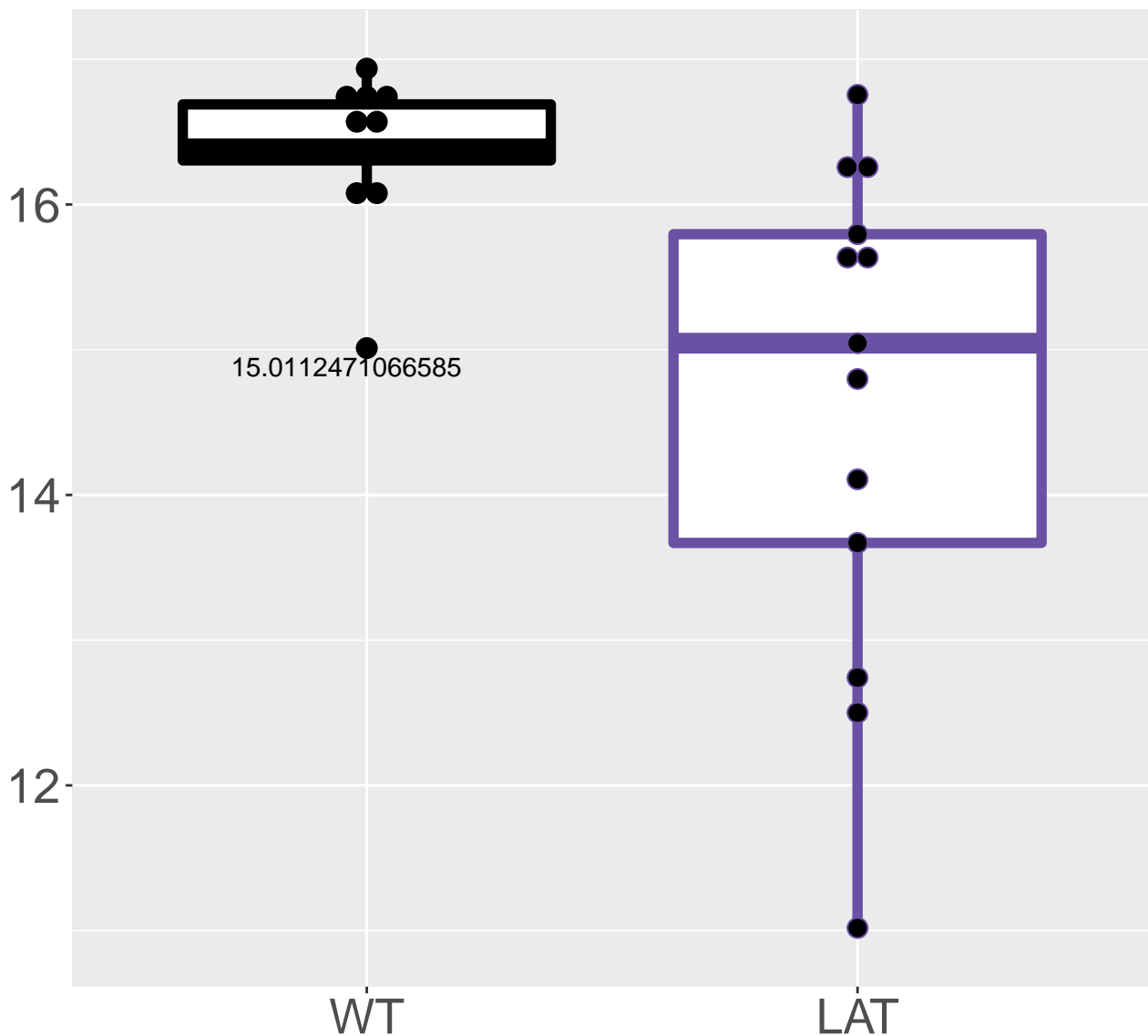
**M187.0677T44.1**

**FDR = 0.0045, FC = -0.48**

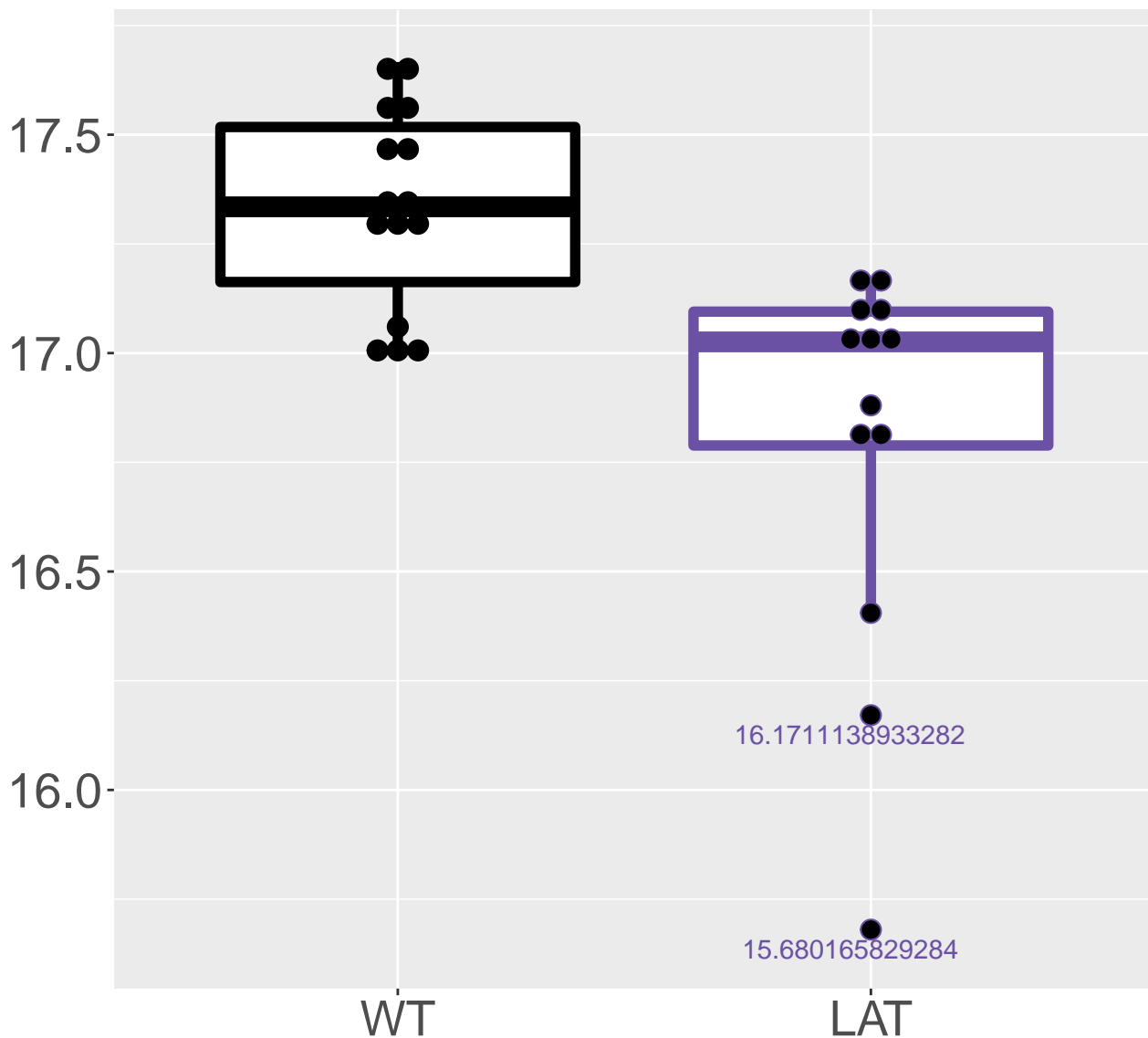


**M886.2558T48.08**

**FDR = 0.0045, FC = -1.7**

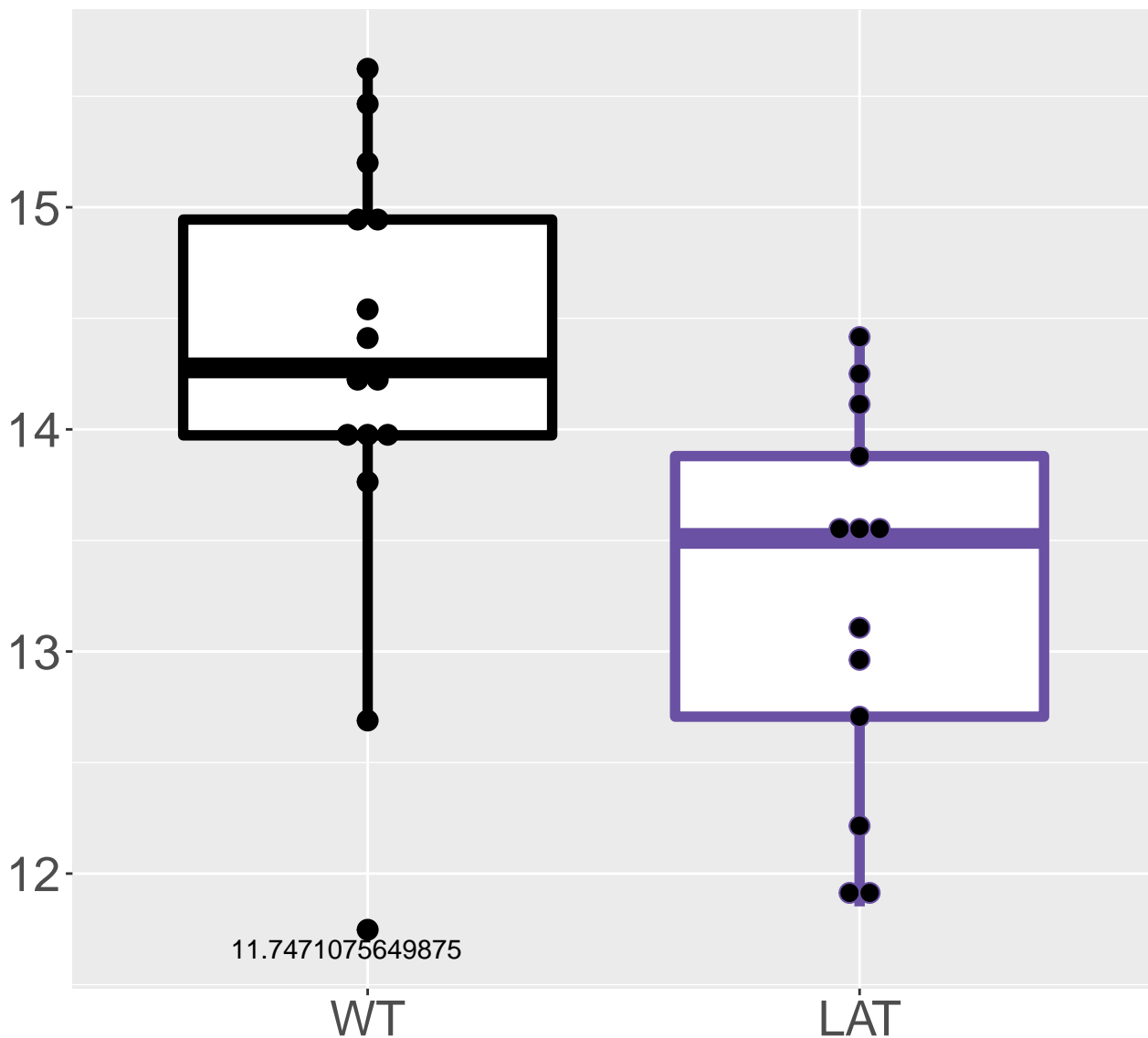


**M169.0936T113.33\_30**  
**FDR = 0.0045, FC = -0.53**



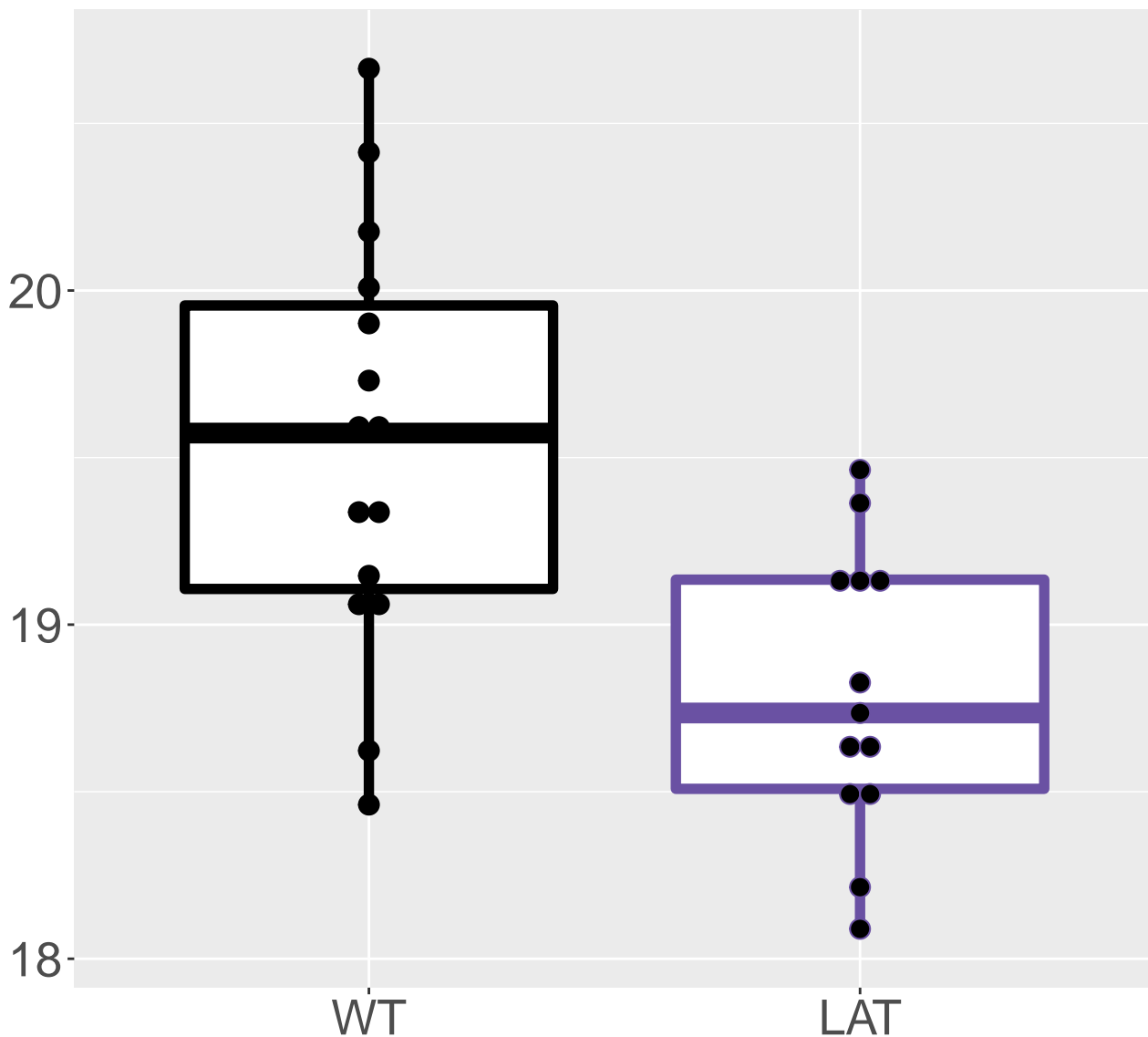


**FDR = 0.0045, FC = -1, sex\***



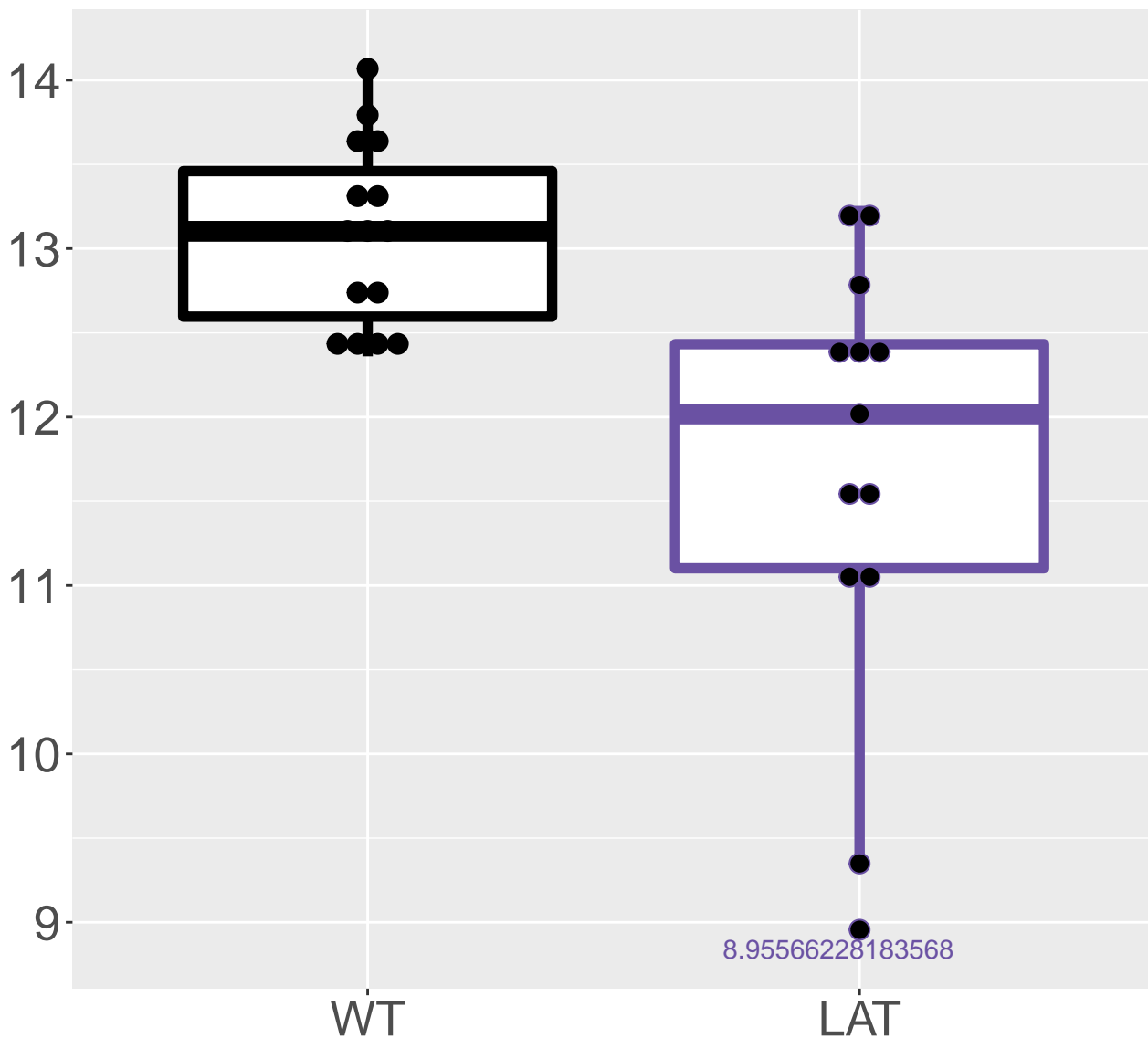
**M310.1771T77.87**

**FDR = 0.0047, FC = -0.74**

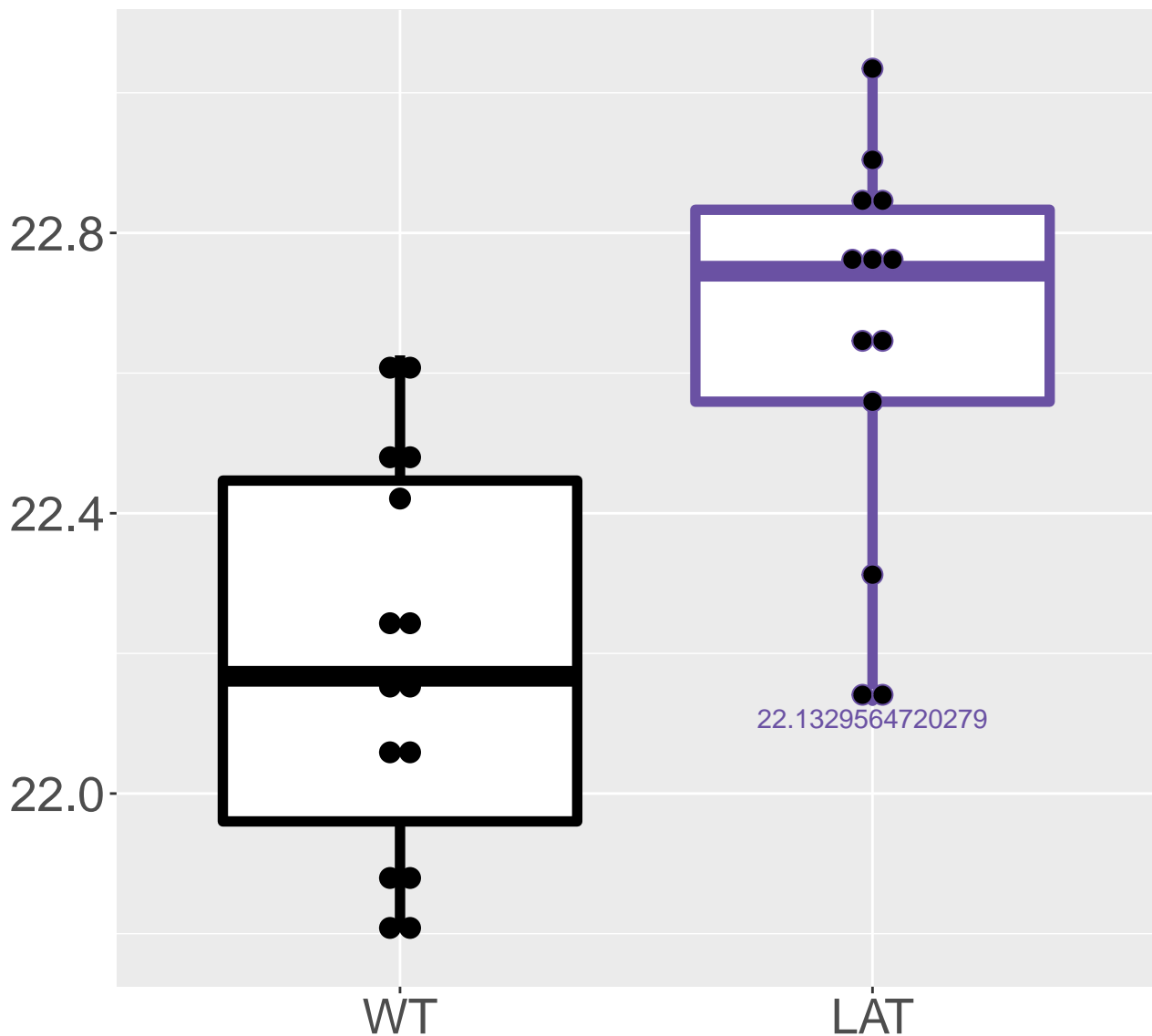


**M333.18T273.98**

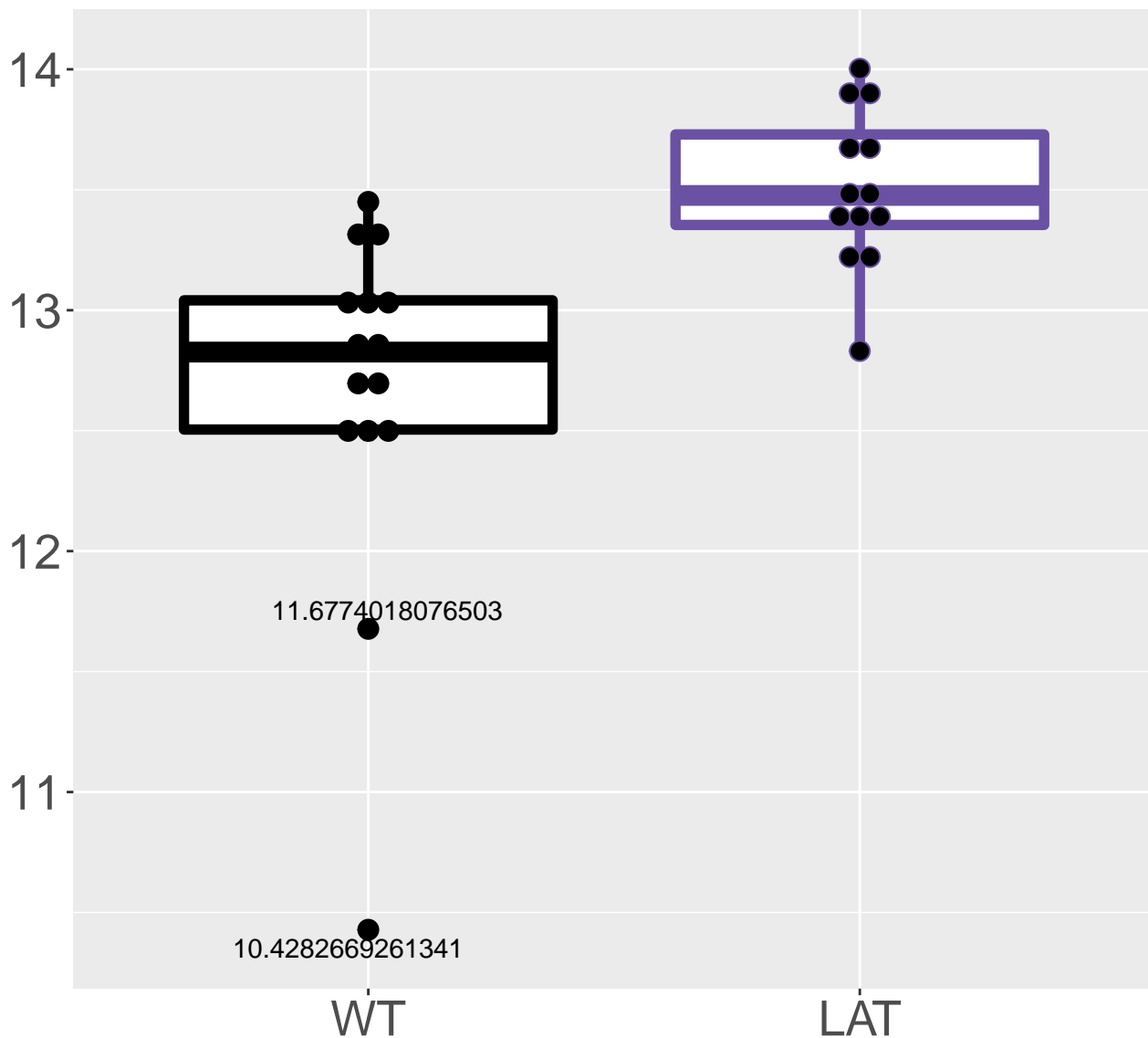
**FDR = 0.0047, FC = -1.4**



**M163.9785T46.73\_1**  
**FDR = 0.0047, FC = 0.45**

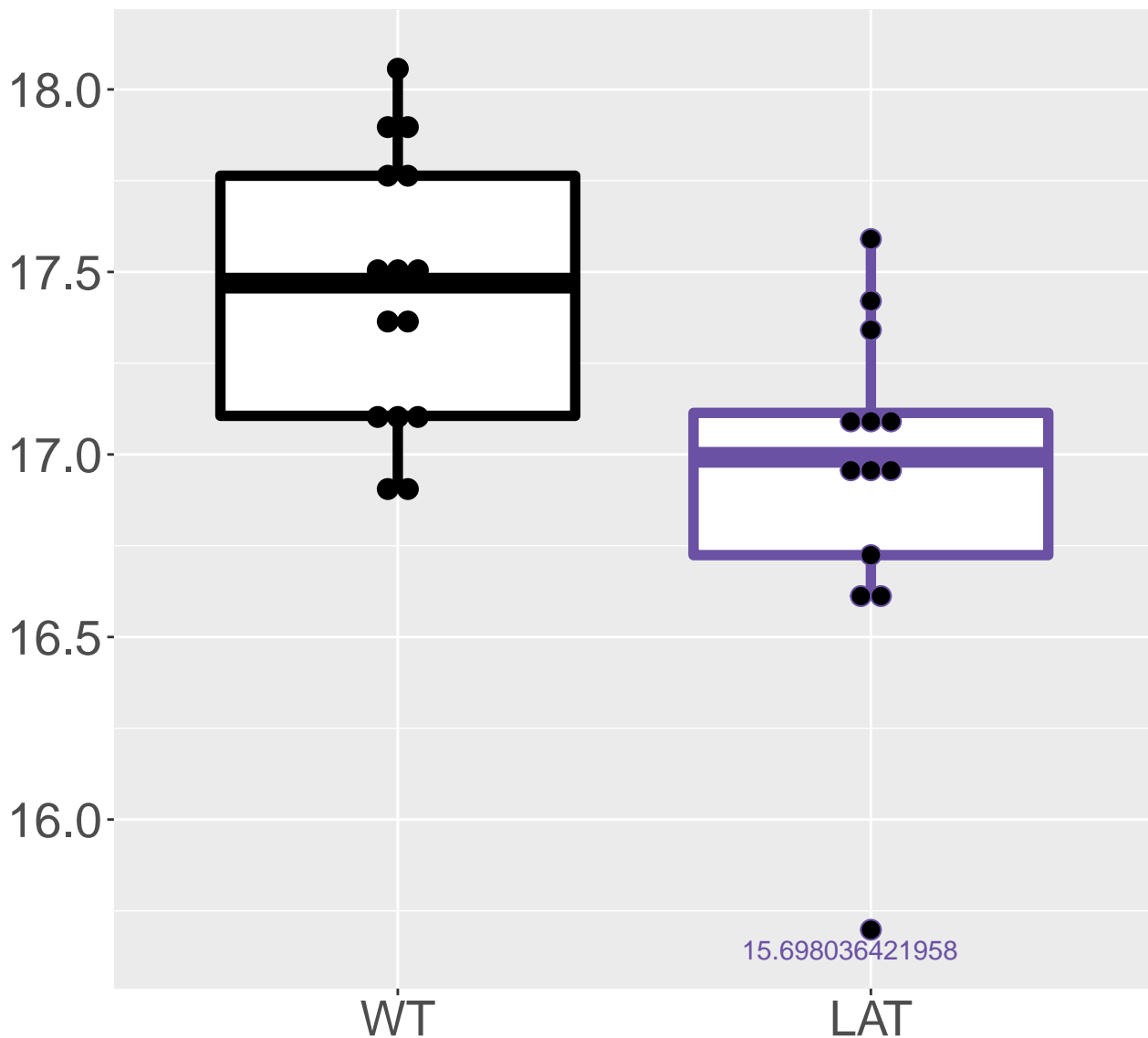


**M460.4141T309.32**  
**FDR = 0.0047, FC = 0.85**



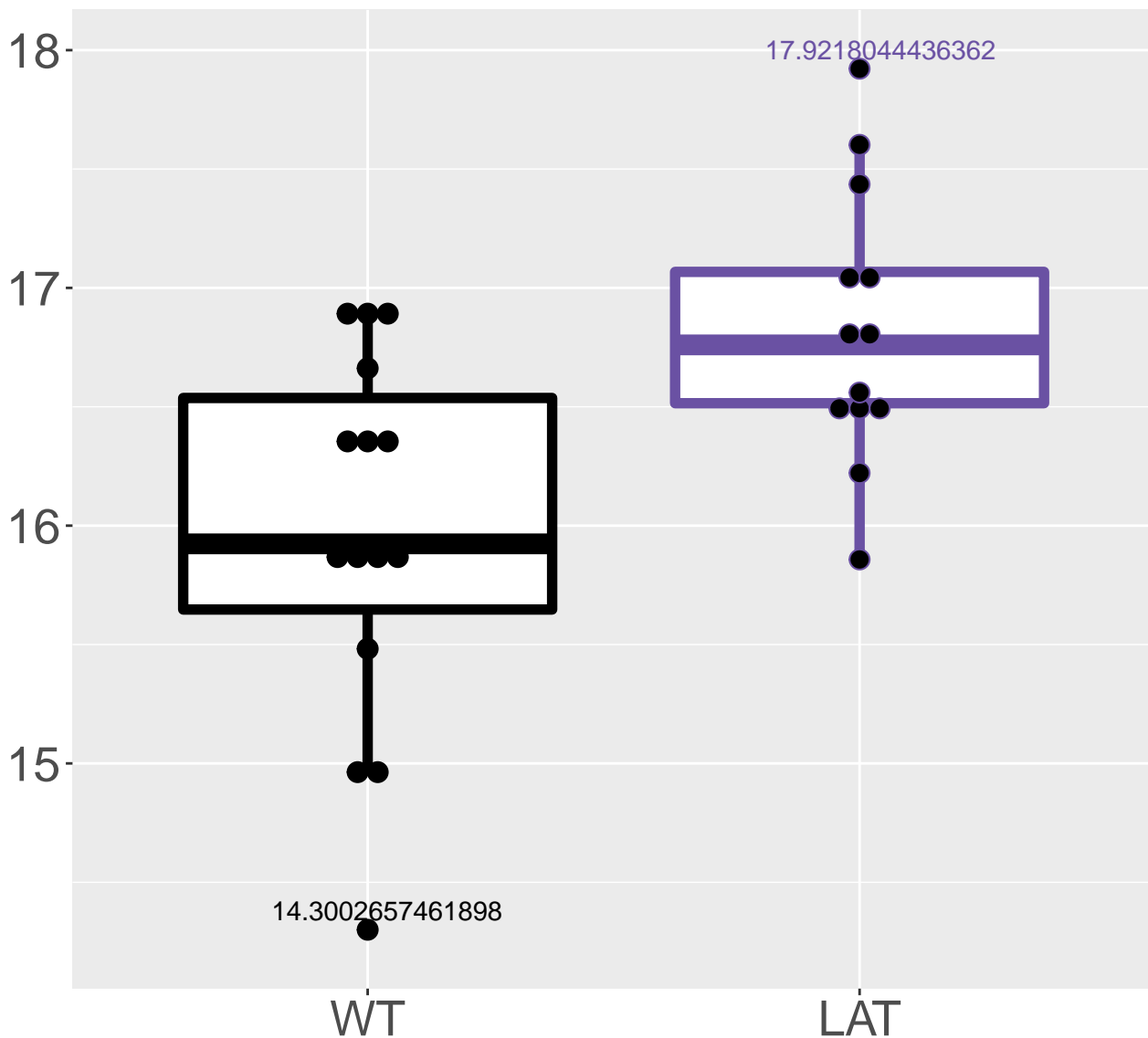
**M578.5557T298.2\_1**

**FDR = 0.0047, FC = -0.51, sex\*\***

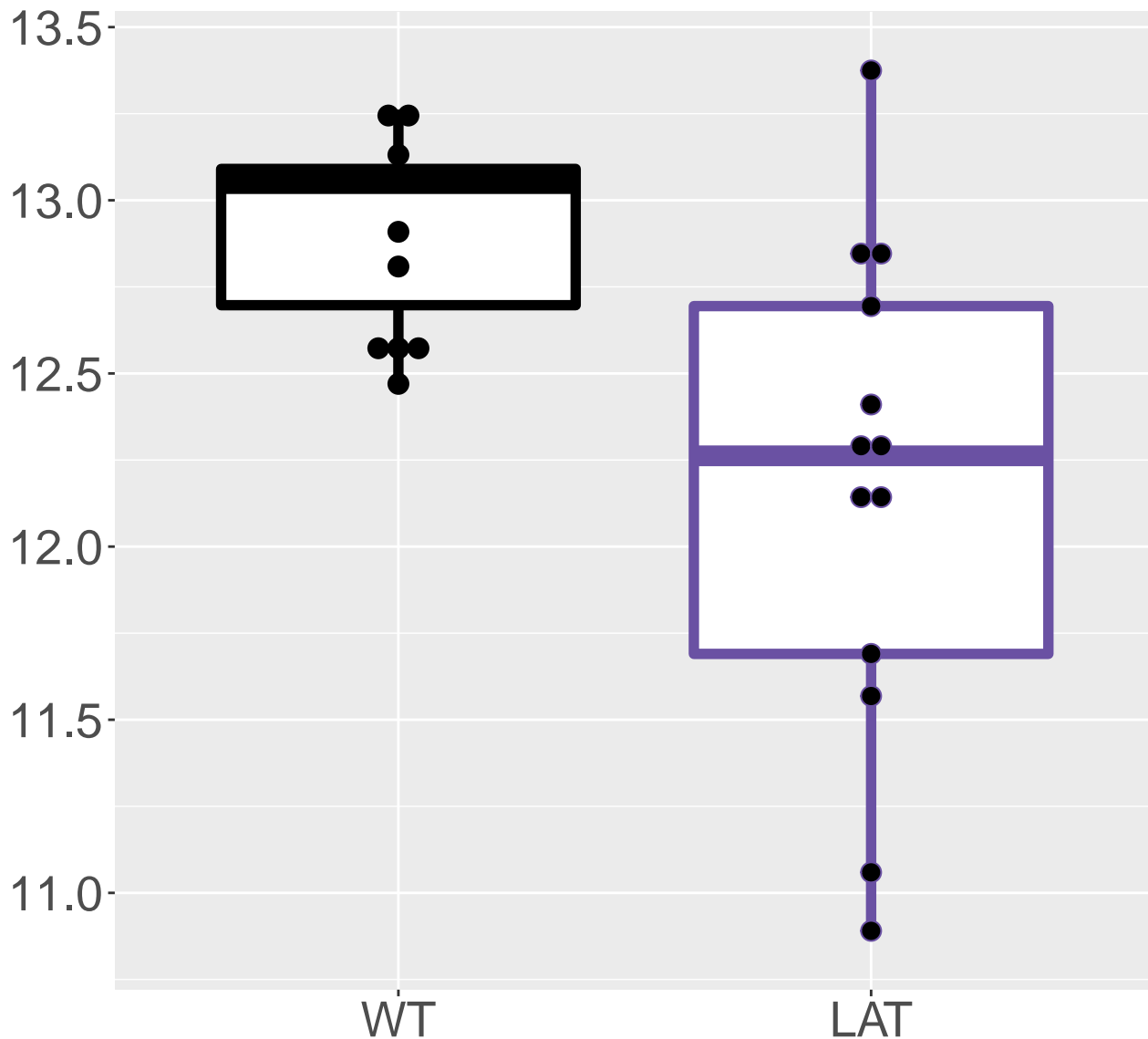


# Riboflavin 5'-monophosphate;Riboflavin 5'-ph

**FDR = 0.0048, FC = 0.86**

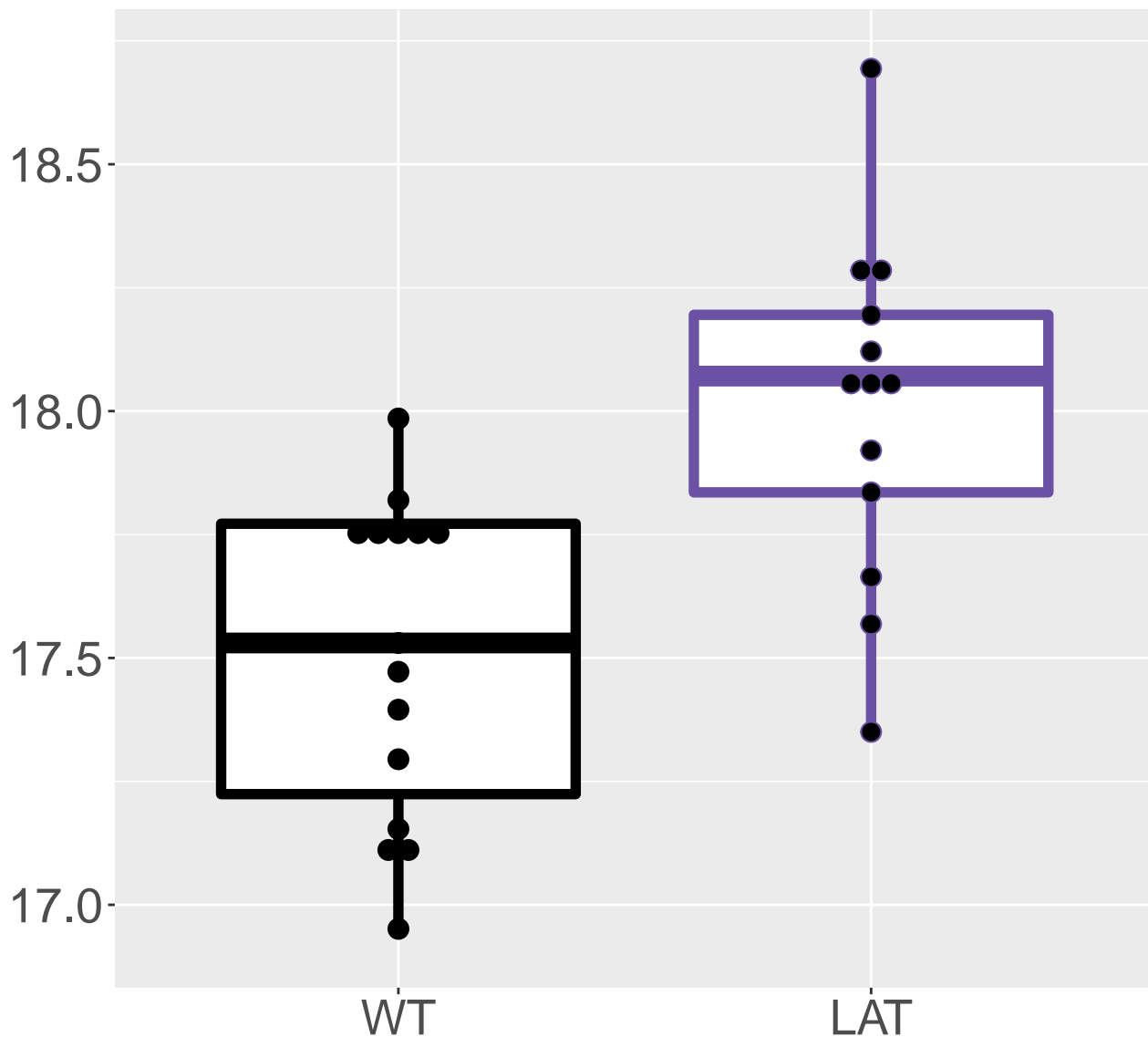


**M453.281T305.78\_2**  
**FDR = 0.0048, FC = -0.76**



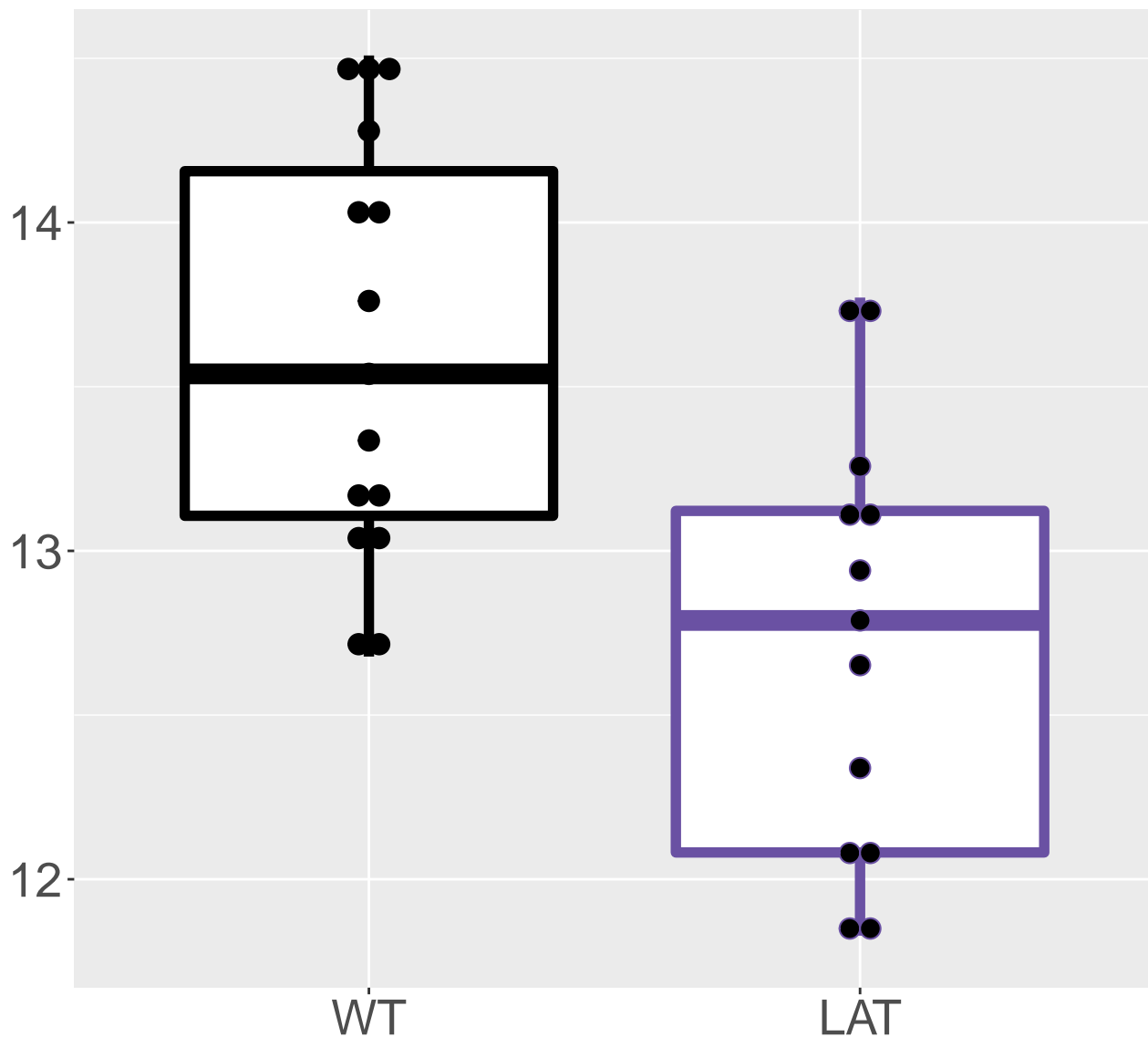


**M243.089T385.69**  
**FDR = 0.0048, FC = 0.5**



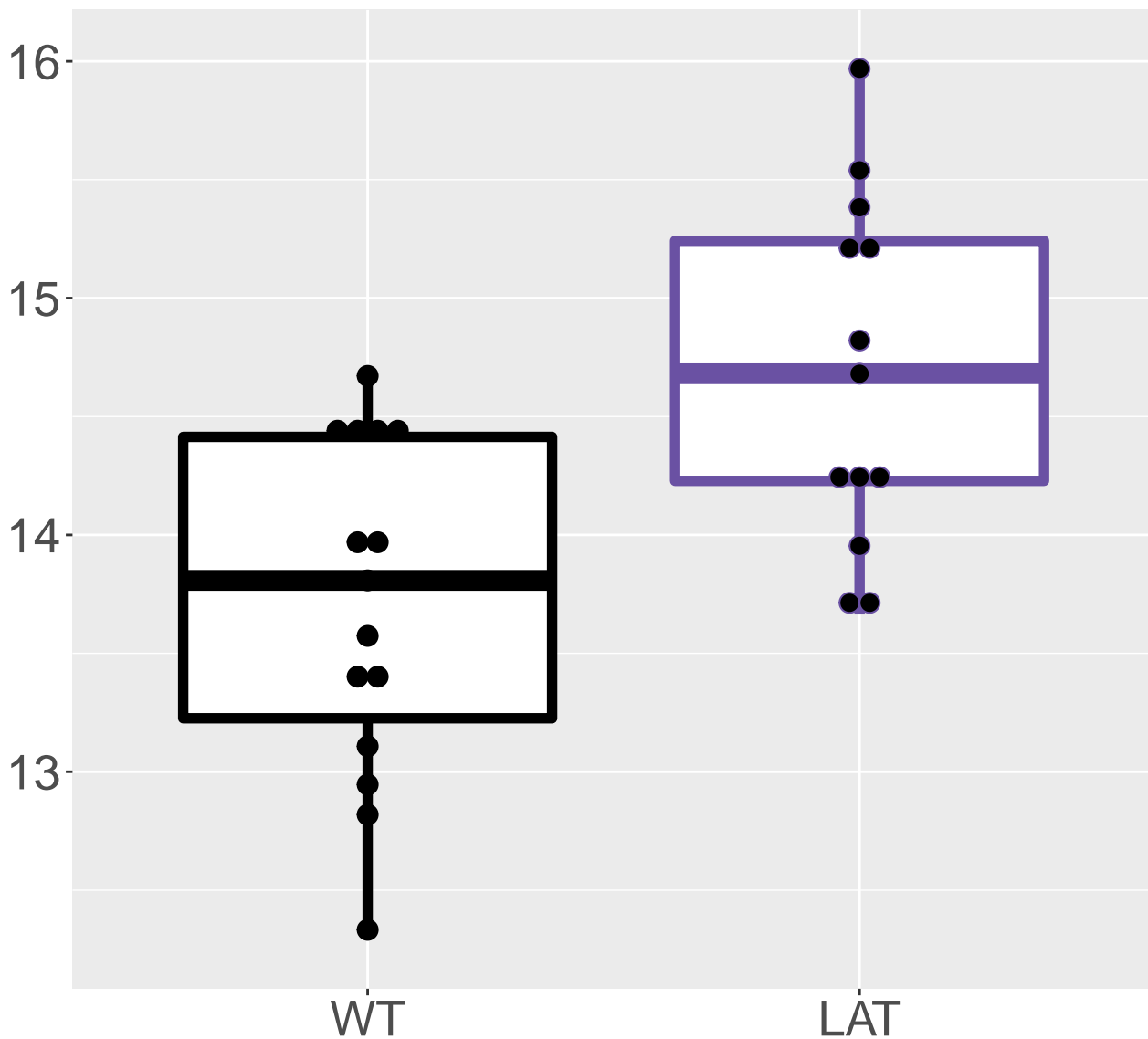
**M342.2102T525.4**

**FDR = 0.0049, FC = -0.89**



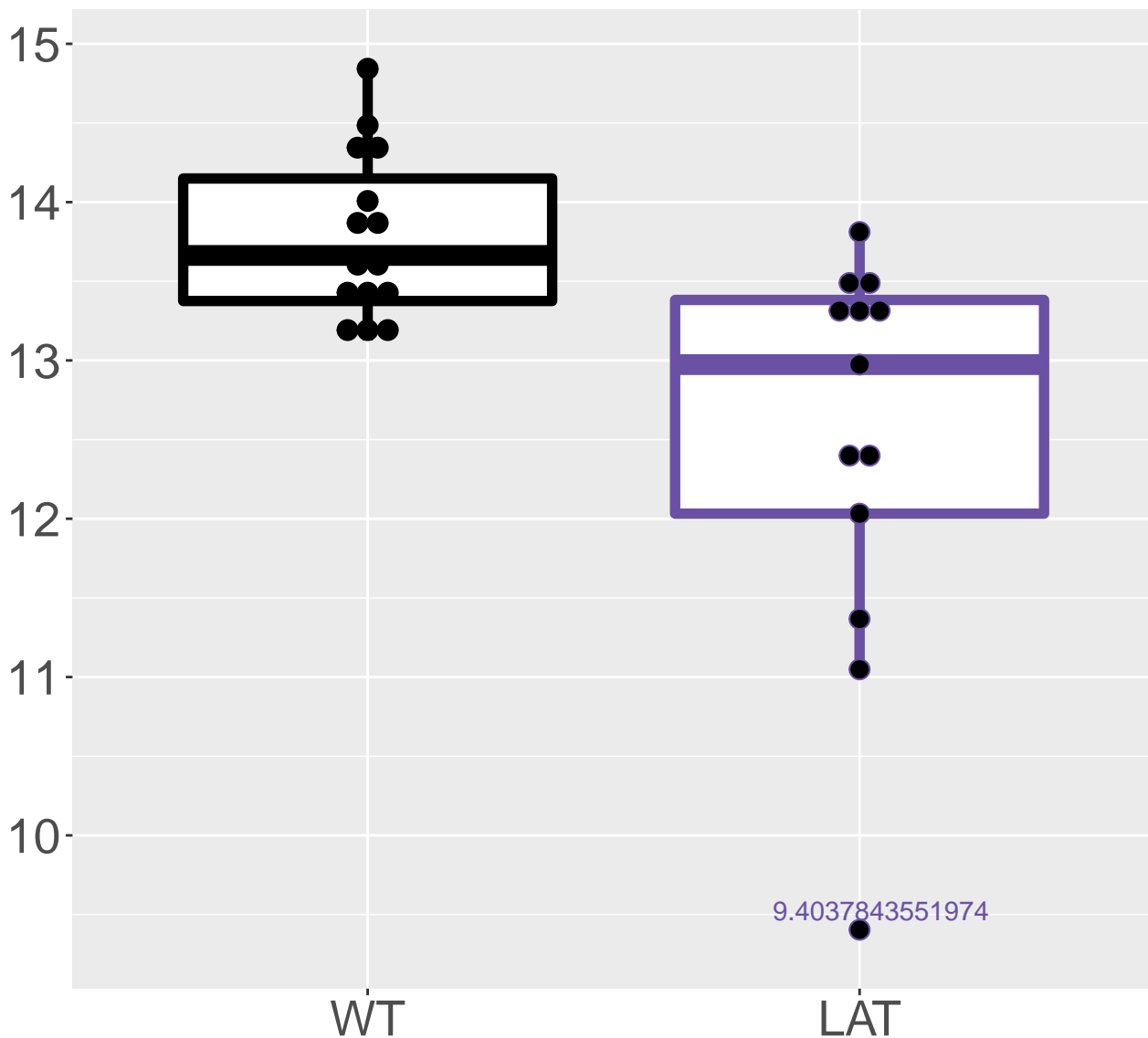
**M514.3254T394.99**

**FDR = 0.0049, FC = 0.97**

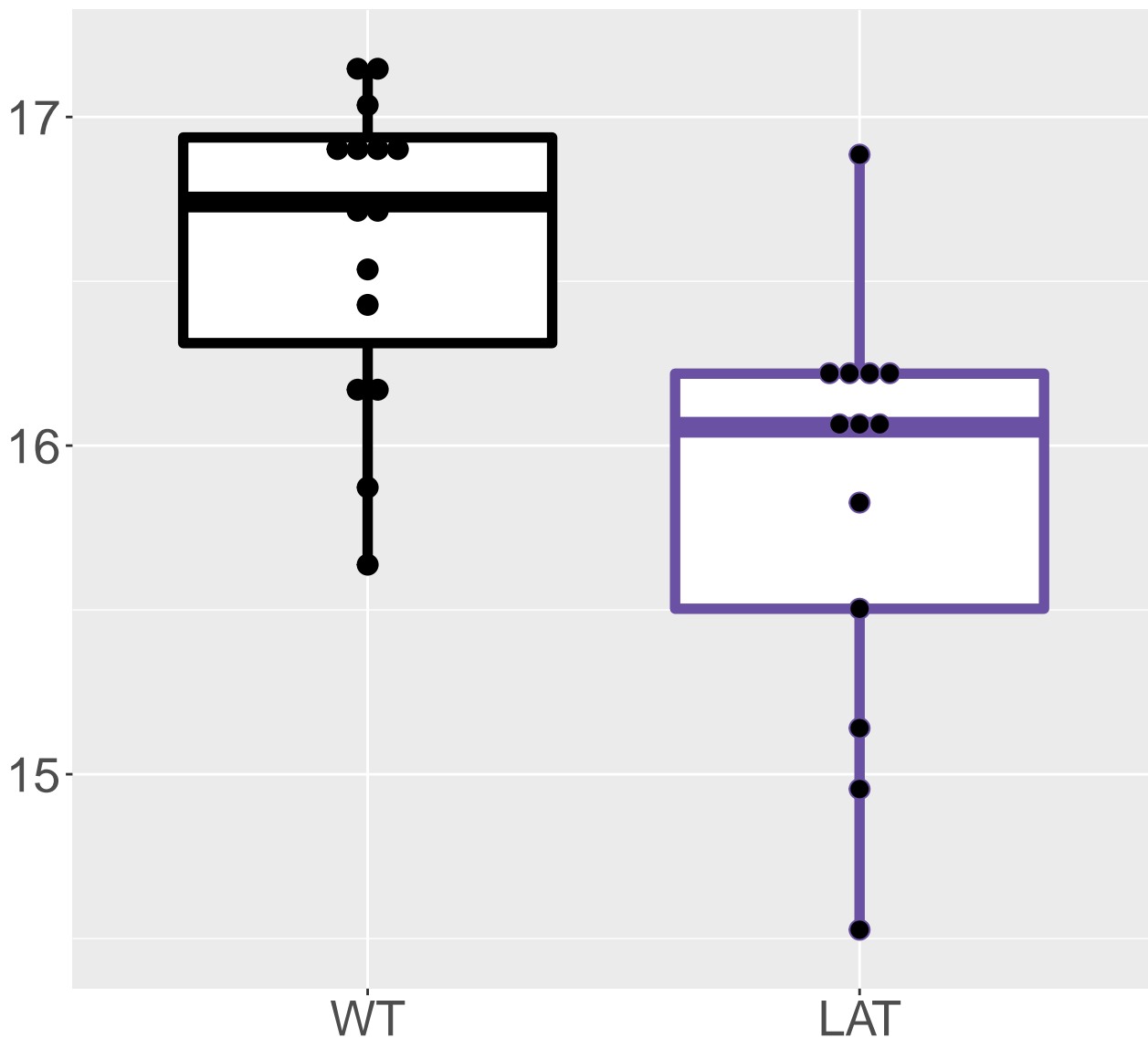


**M421.9133T249.16**

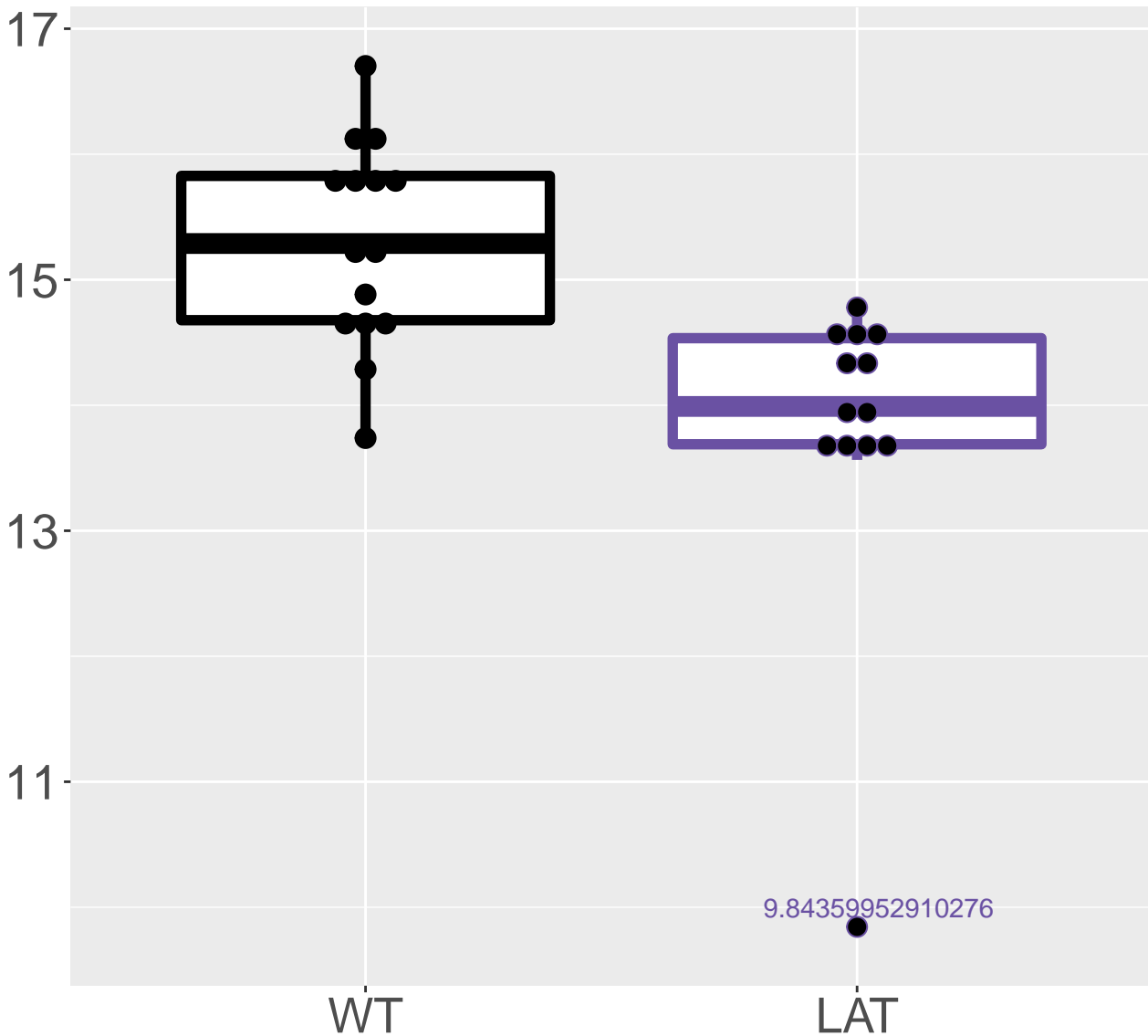
**FDR = 0.0049, FC = -1.3**



**M127.4223T75.44\_31**  
**FDR = 0.0049, FC = -0.77**

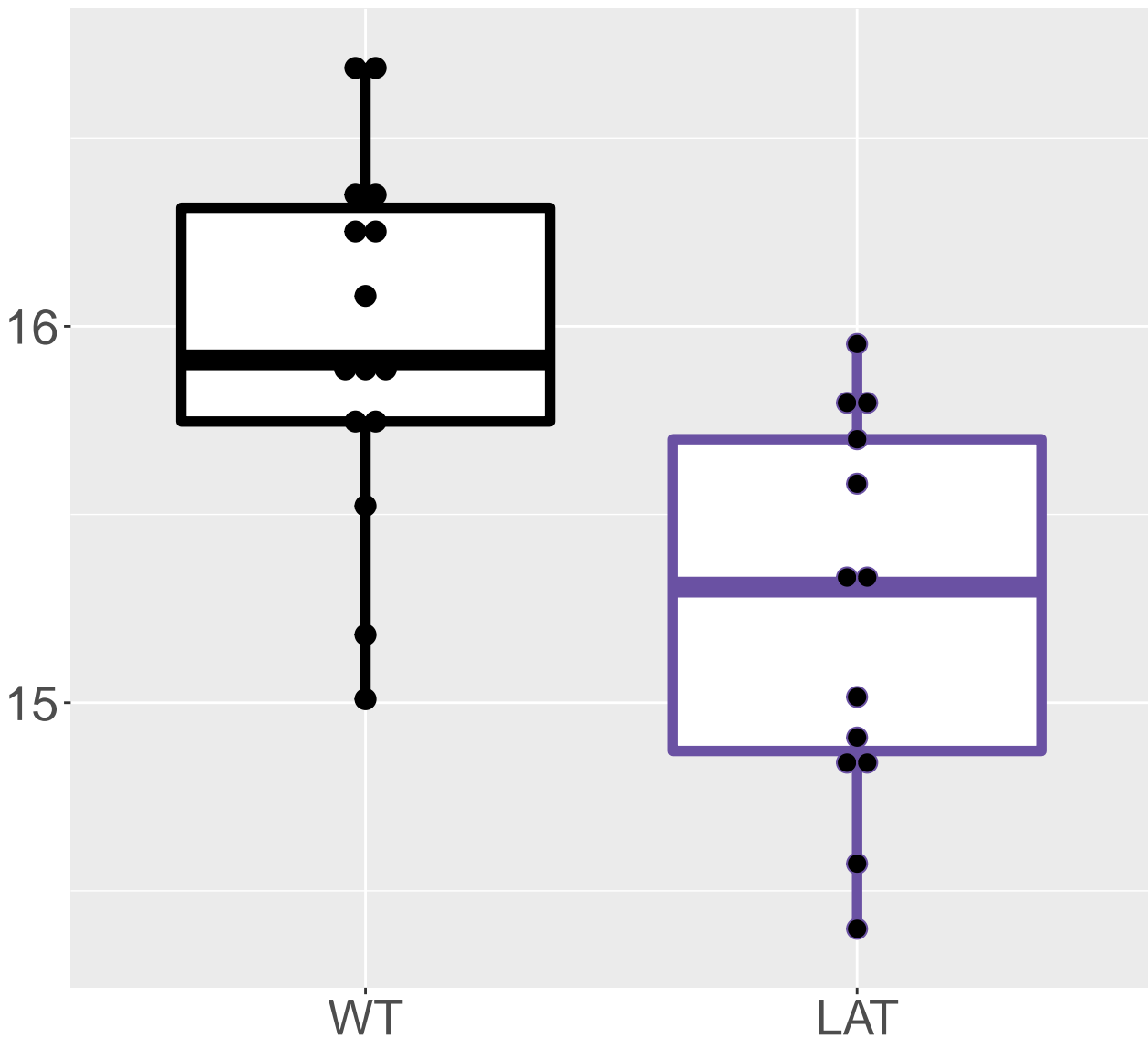


**M558.9596T277.21\_2**  
**FDR = 0.0049, FC = -1.5**

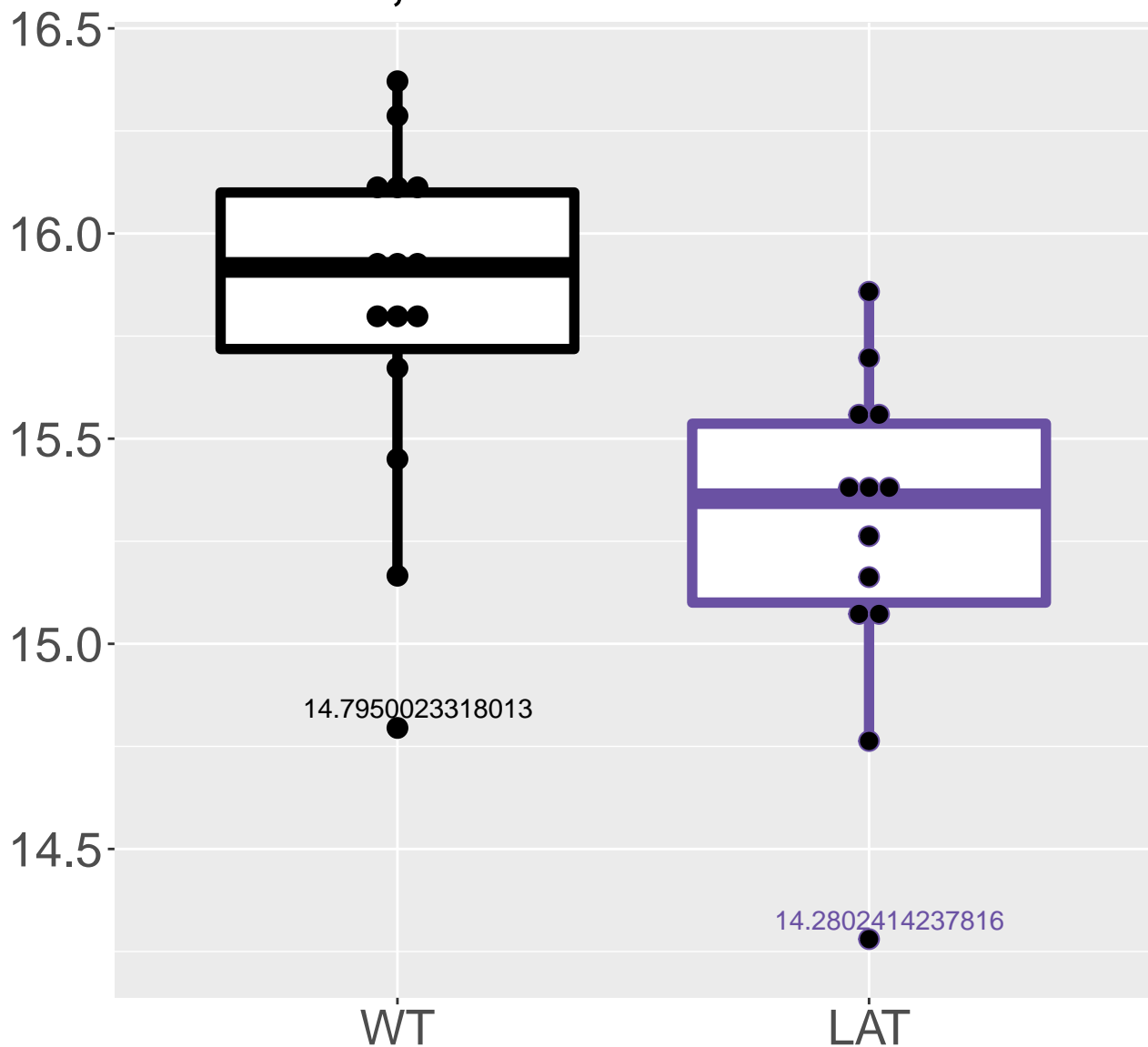


**M171.3274T113.22\_34**

**FDR = 0.005, FC = -0.73**



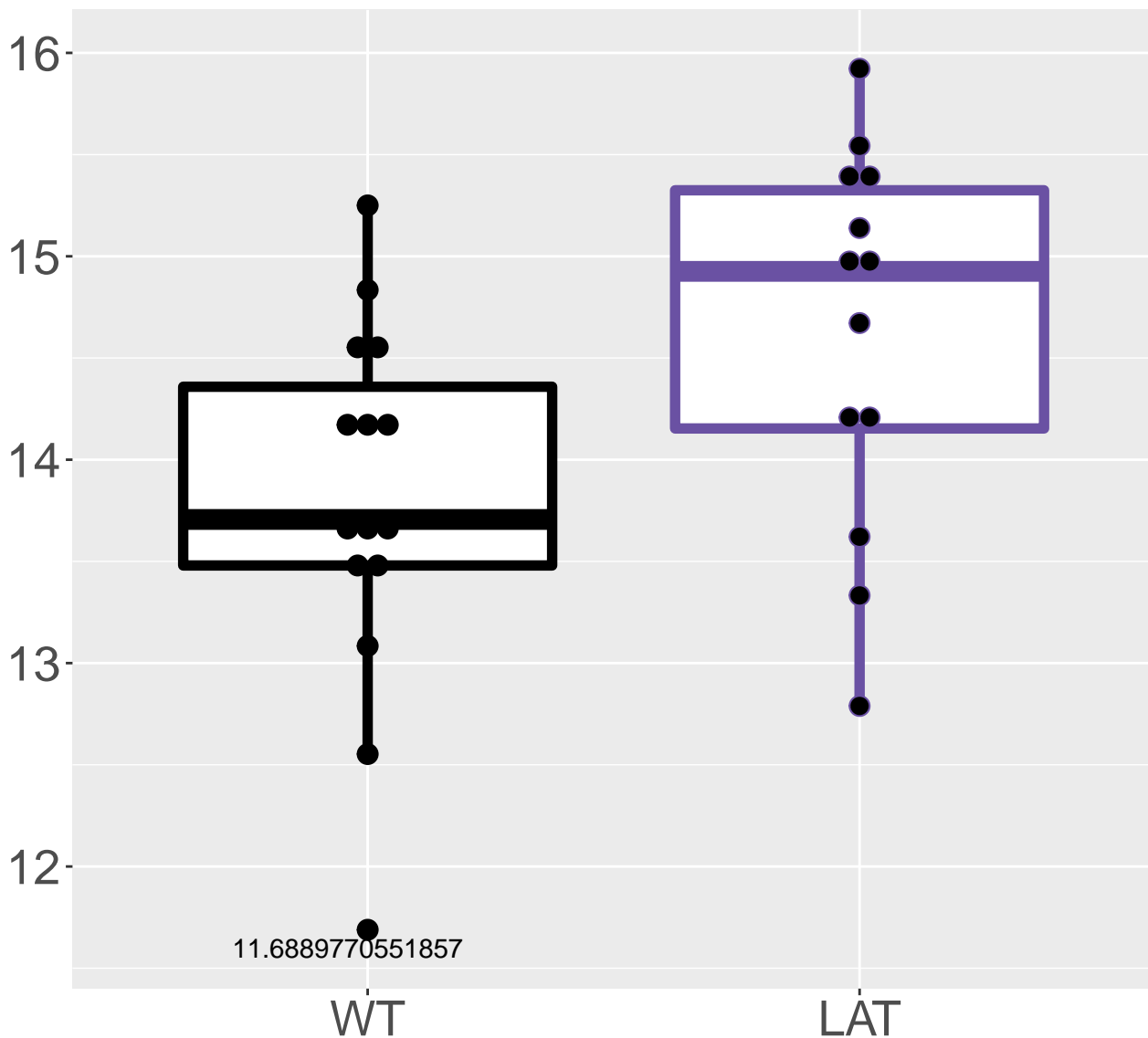
**M159.2521T113.28\_33**  
**FDR = 0.005, FC = -0.55**



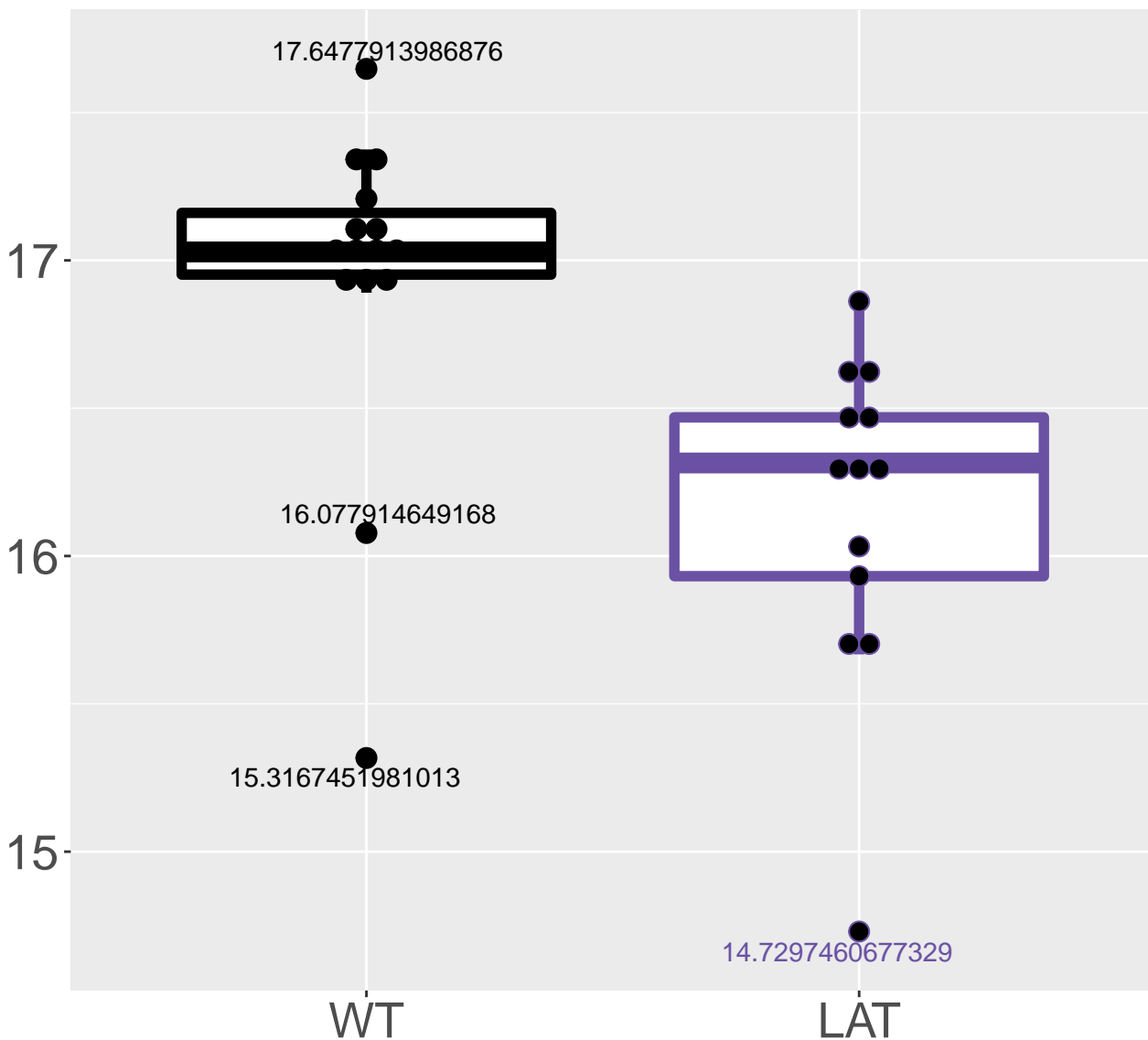


**M566.1109T375.62\_2**

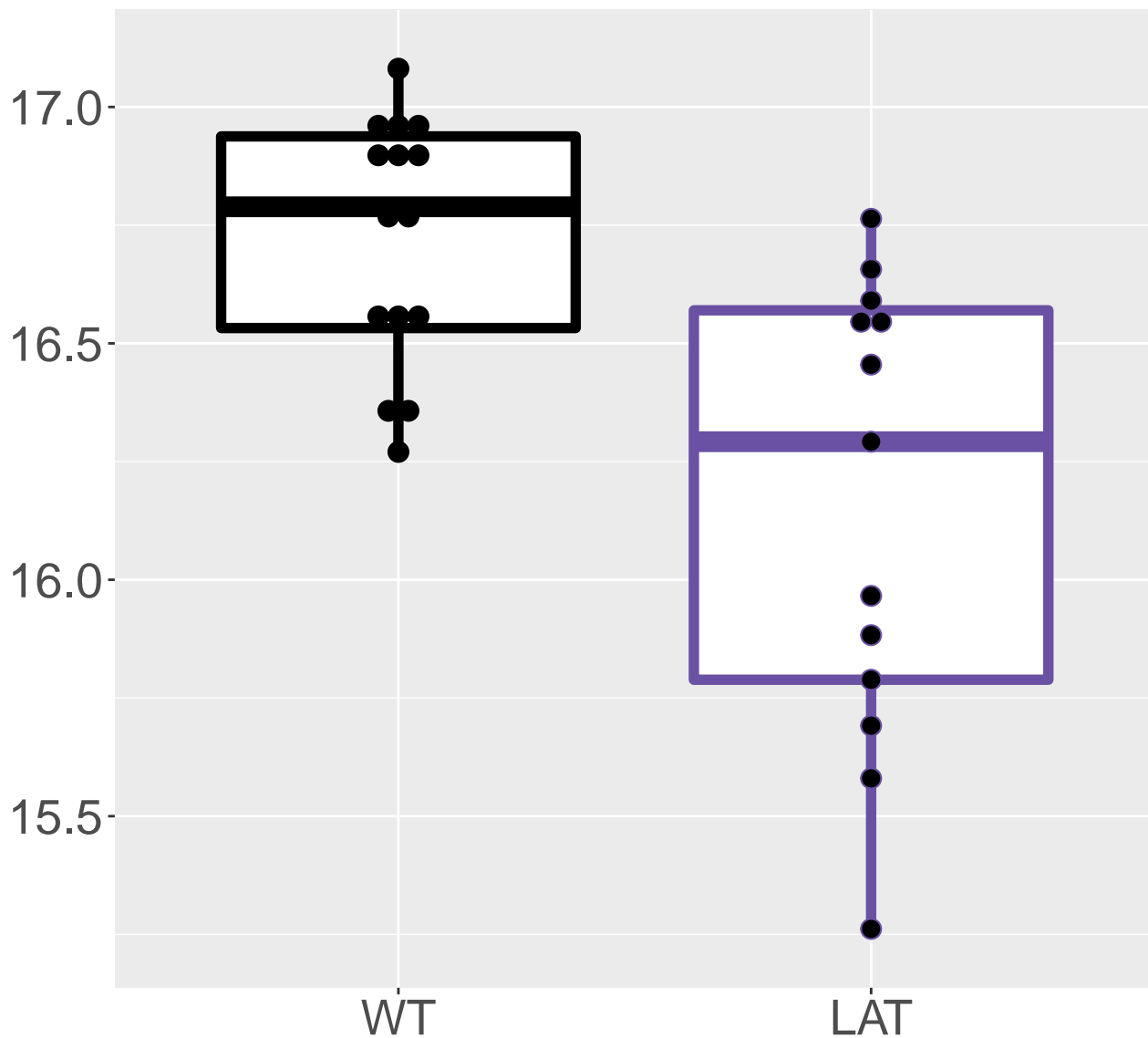
**FDR = 0.005, FC = 0.83, sex\*\*\***



**FDR = 0.005, FC = -0.78**

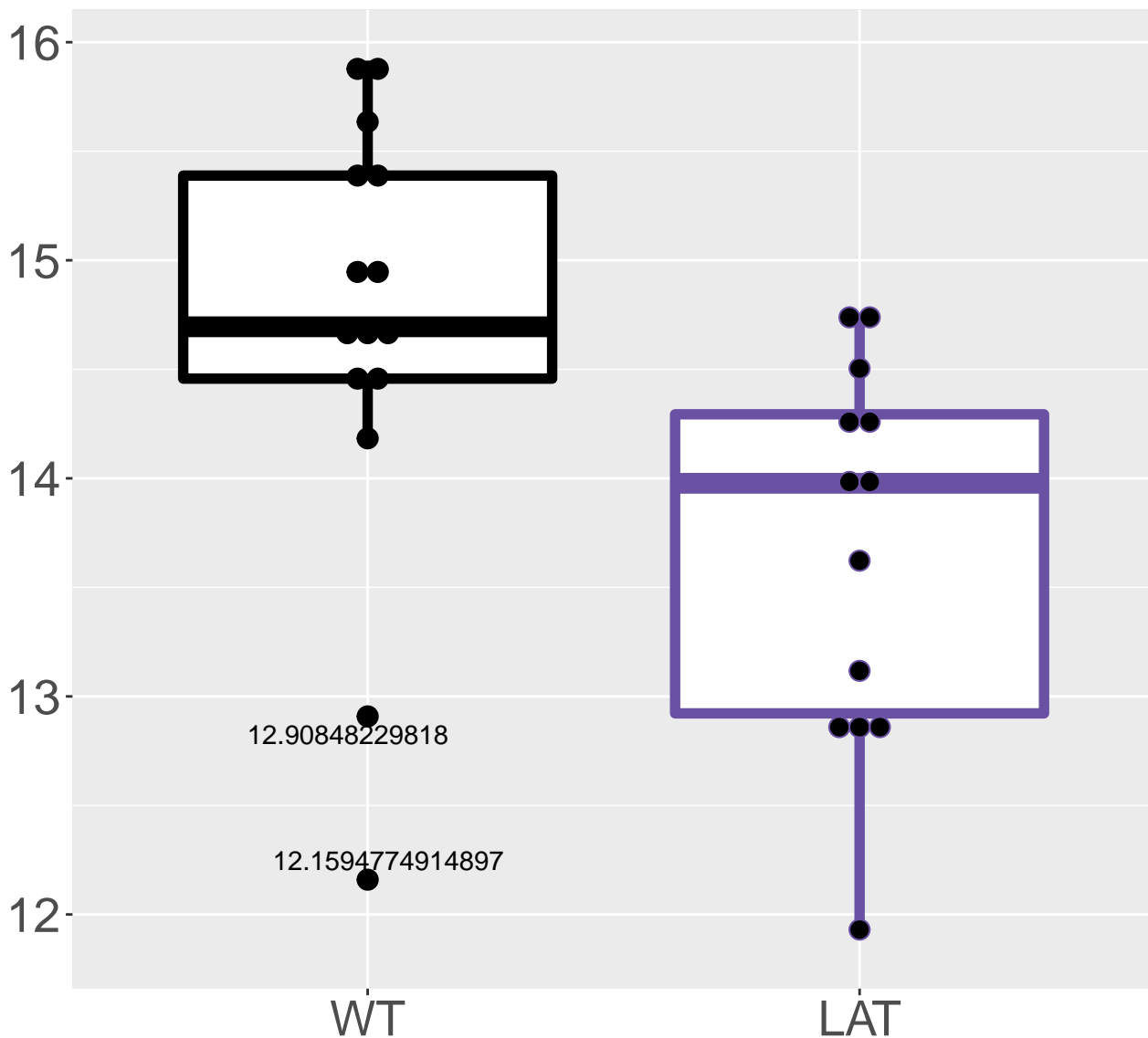


**M162.0766T113.12\_24**  
**FDR = 0.005, FC = -0.57**

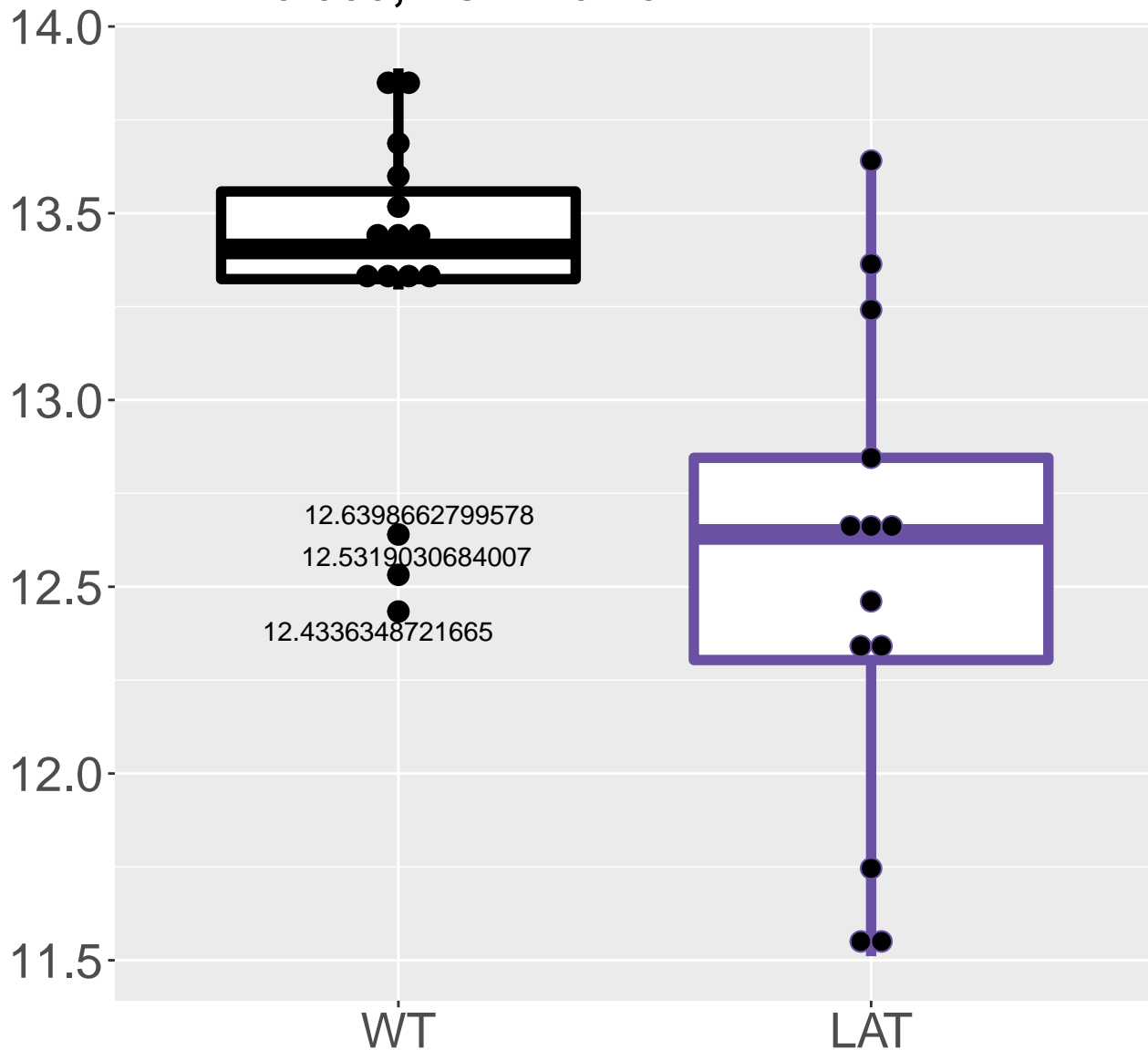


**M455.4187T343.98\_2**

**FDR = 0.005, FC = -1, sex\***

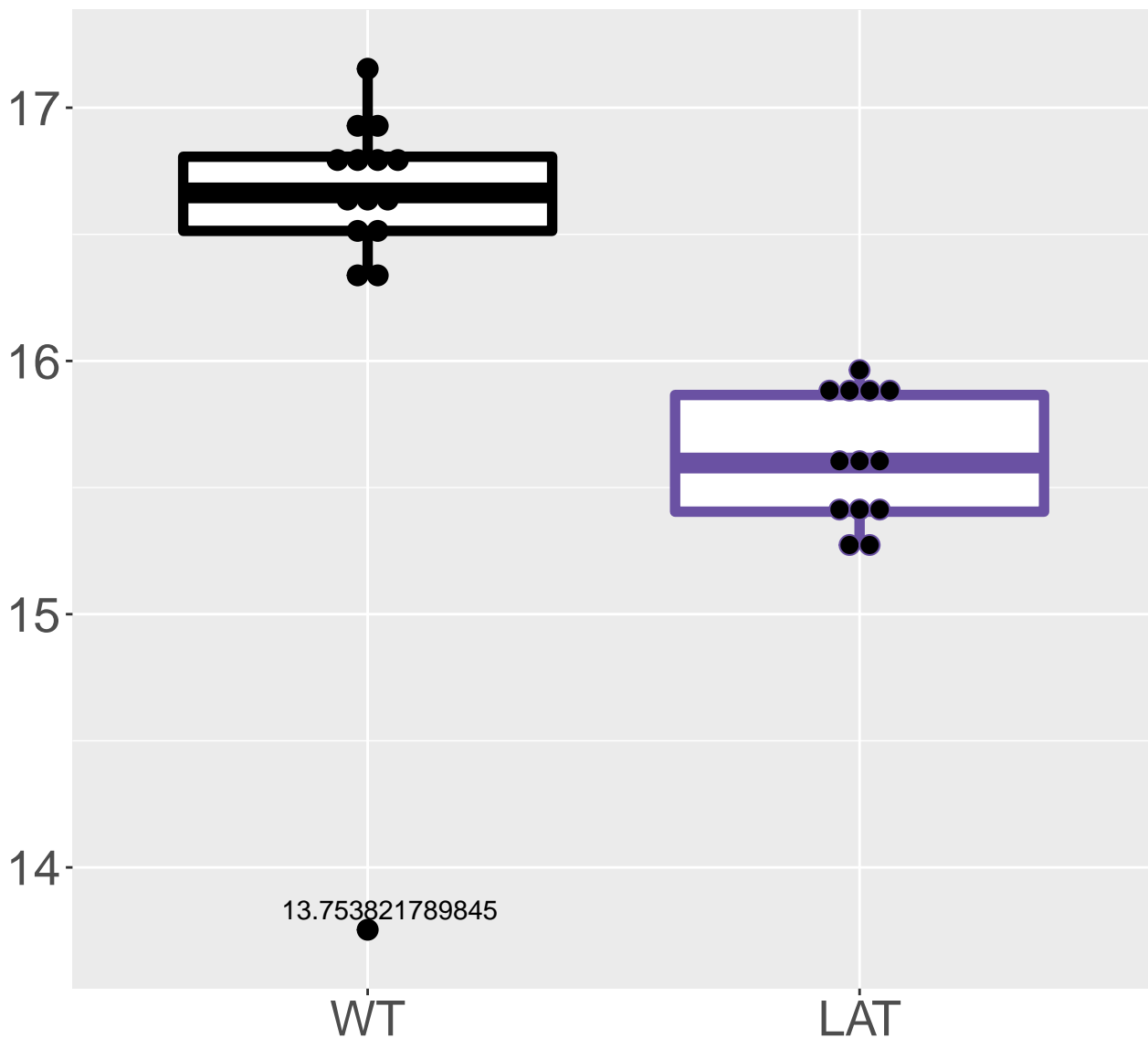


**FDR = 0.005, FC = -0.78**

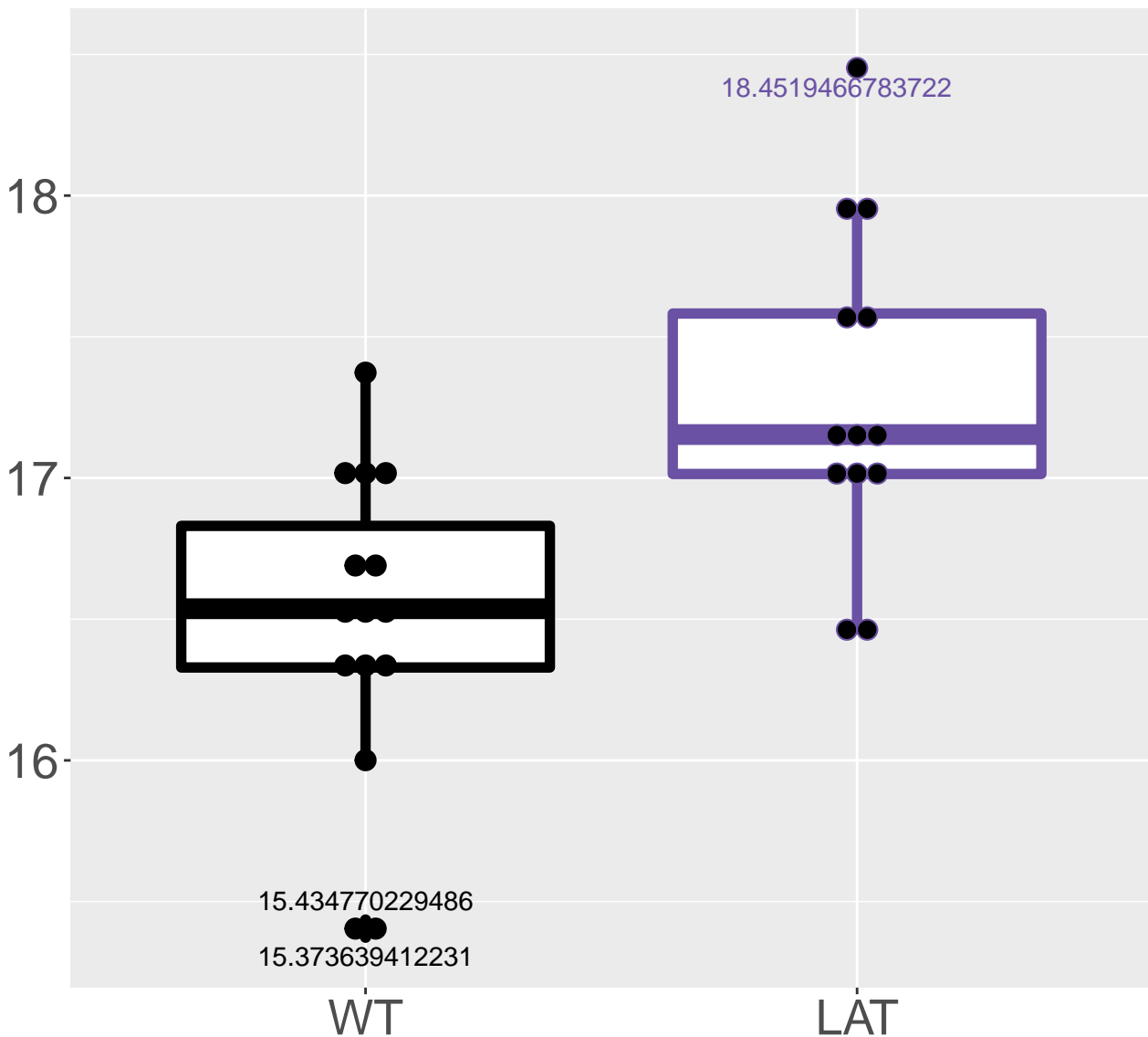


**M922.7283T377.53\_3**

**FDR = 0.005, FC = -0.88**

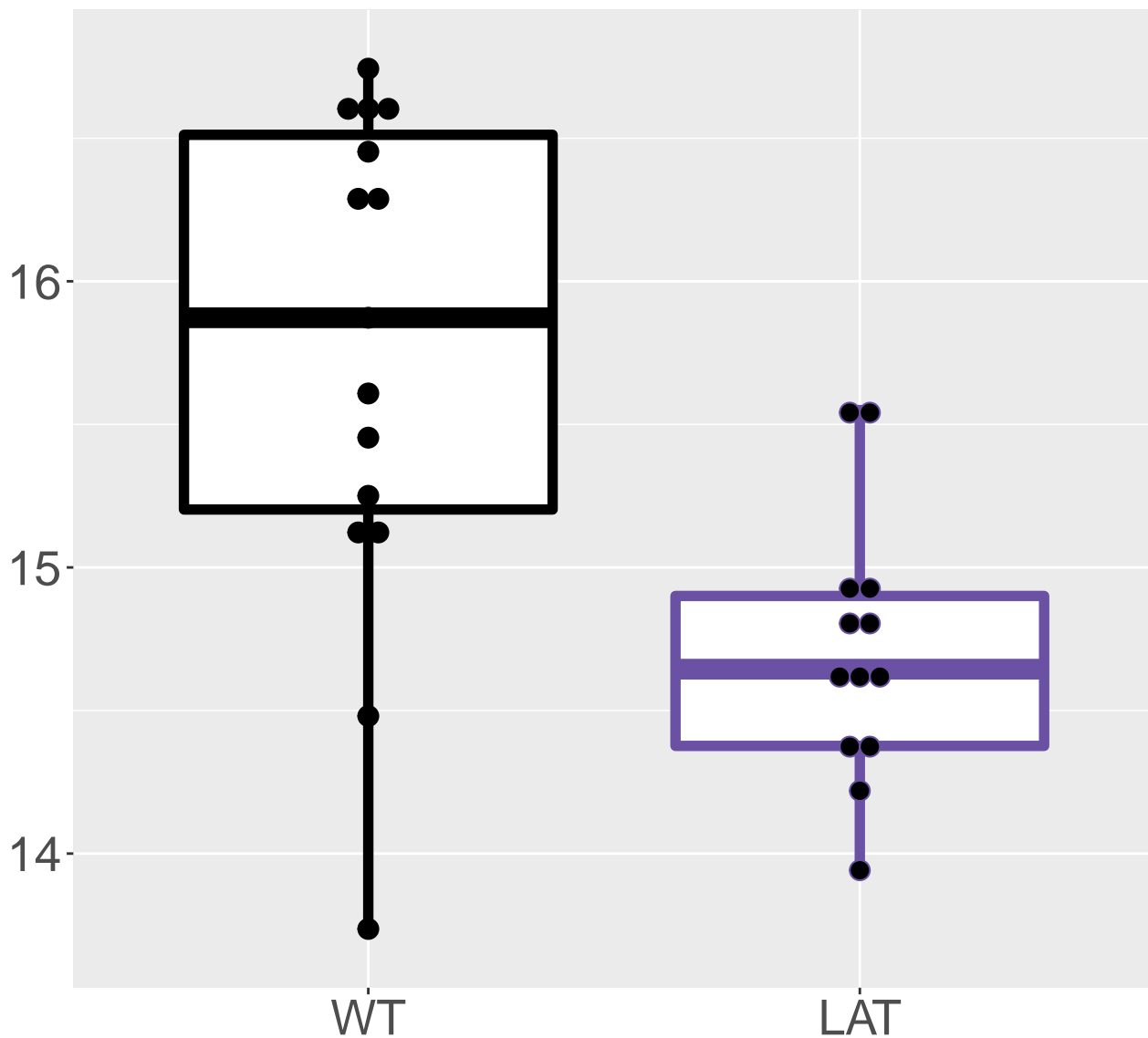


**M405.0114T81.04**  
**FDR = 0.005, FC = 0.82**



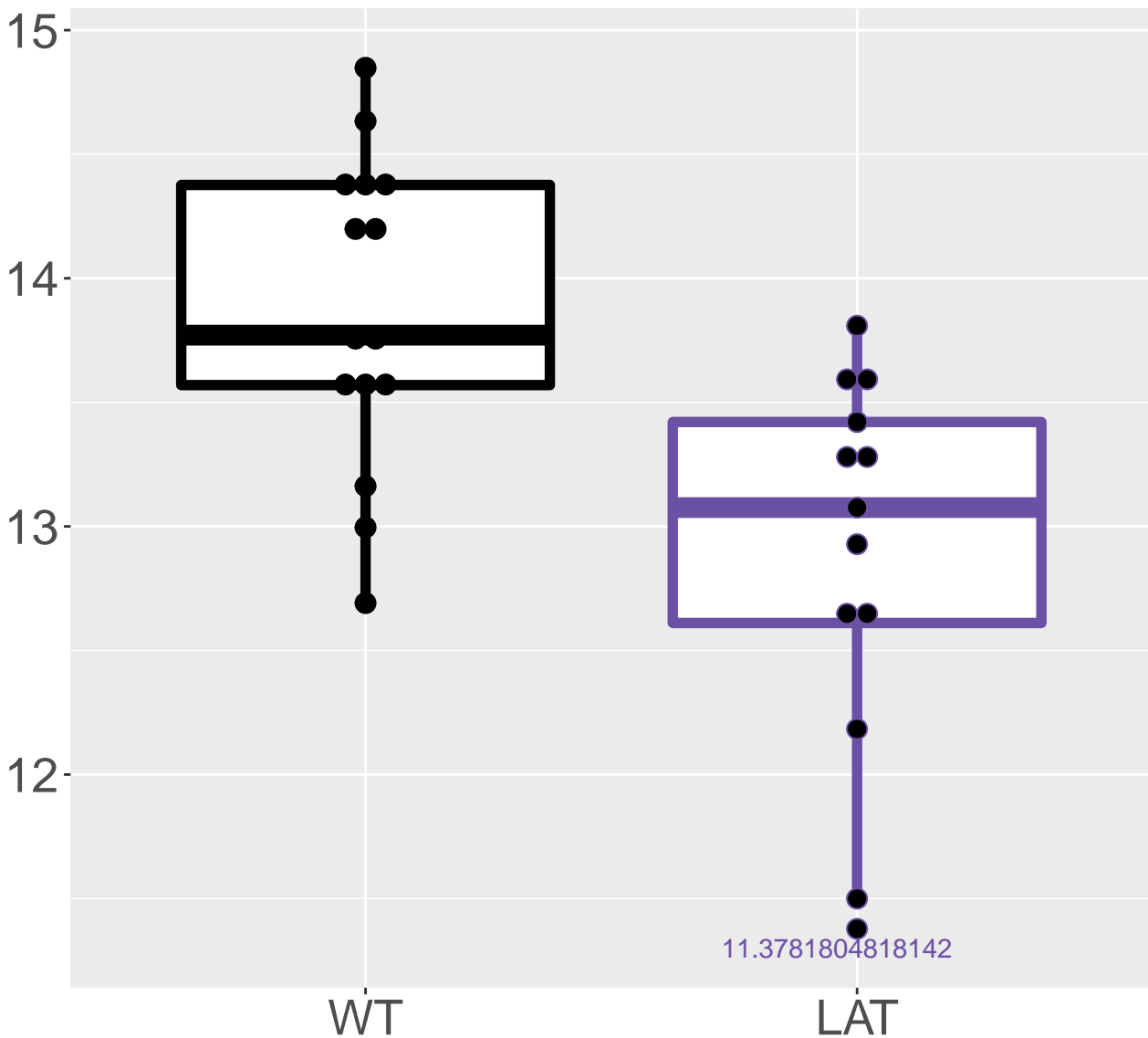
**M302.1979T182.79**

**FDR = 0.0051, FC = -1**



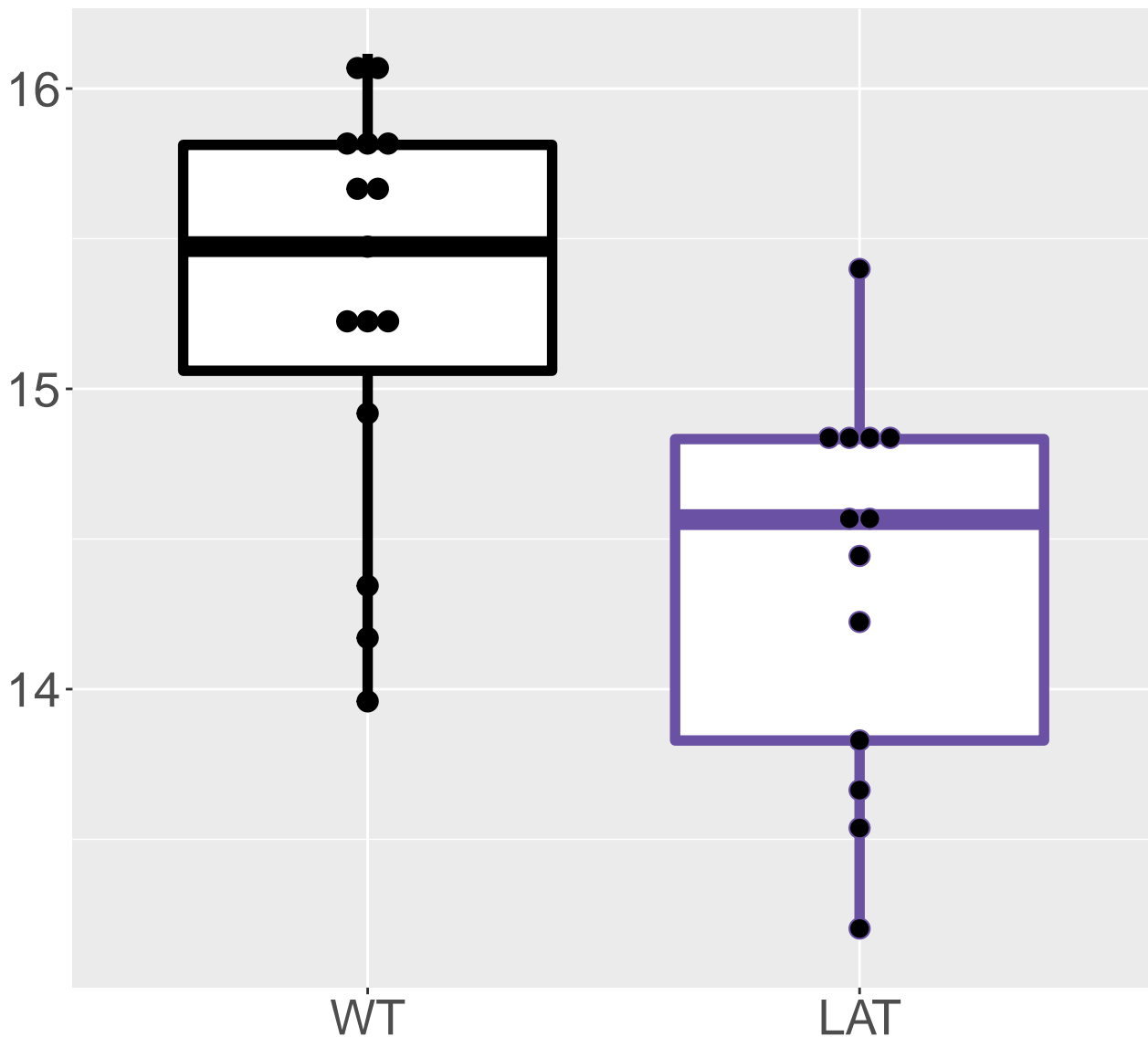


**M483.9229T280.43**  
**FDR = 0.0051, FC = -1**



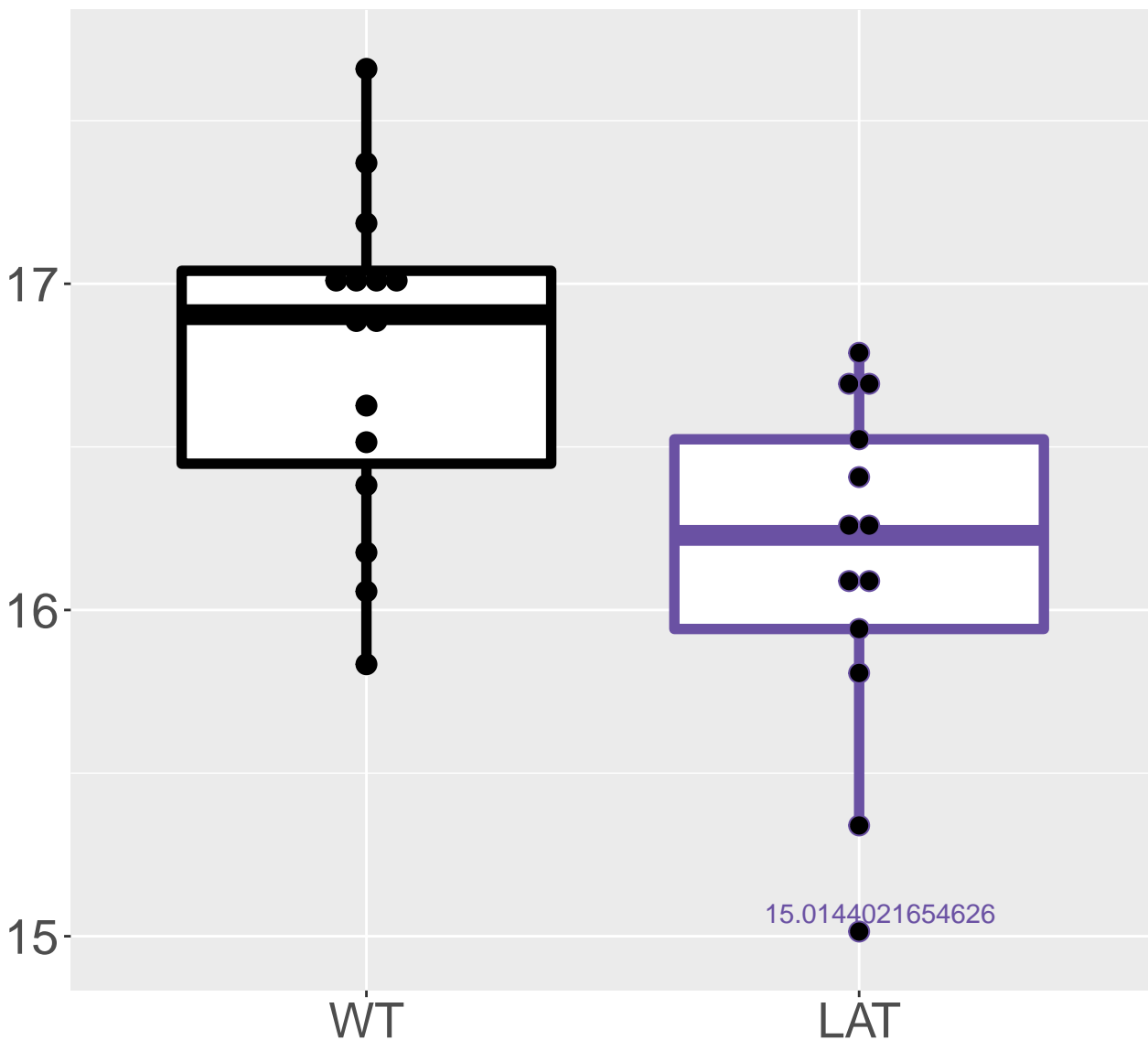
**M157.7026T113.12\_5**

**FDR = 0.0051, FC = -0.93**



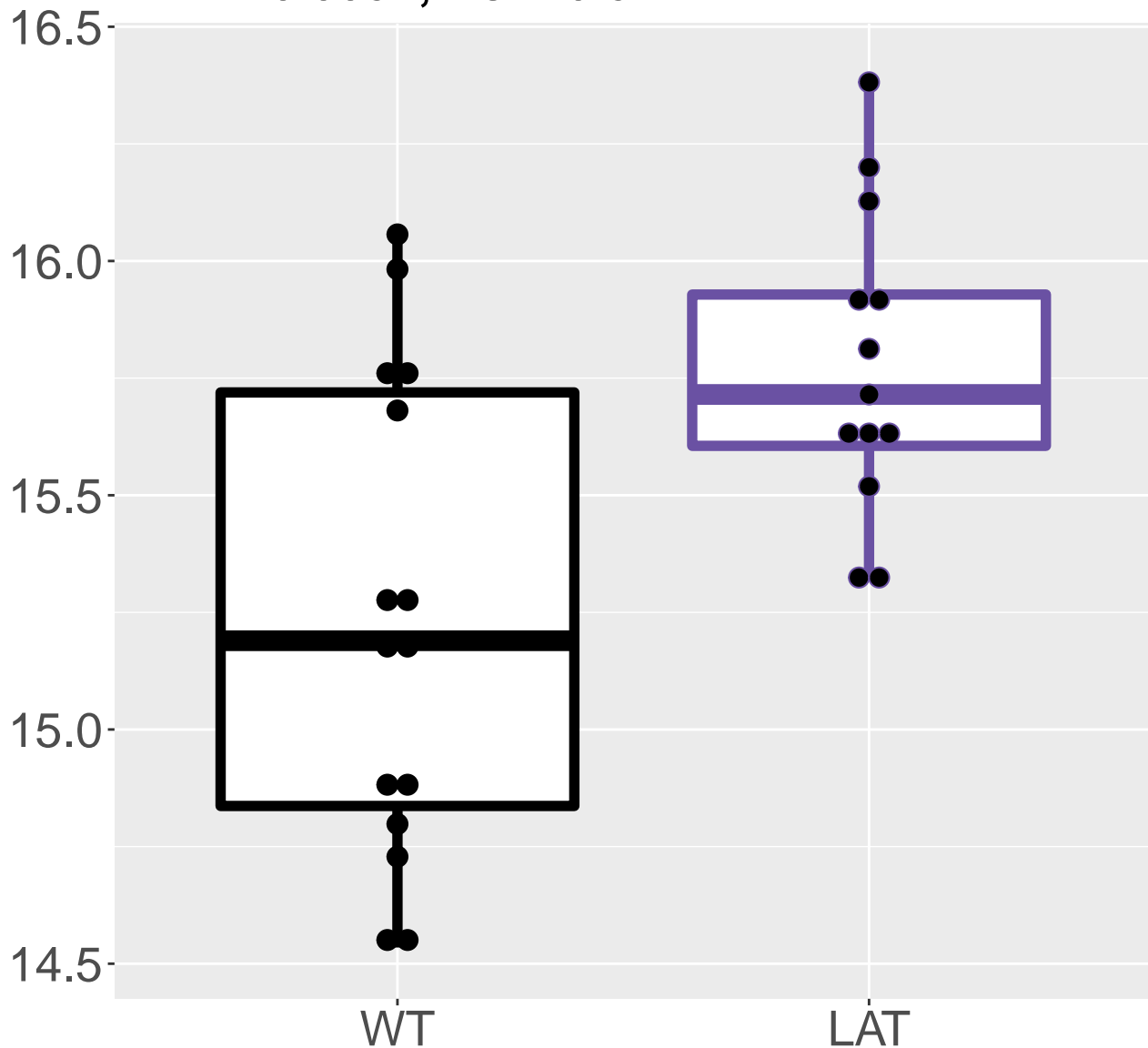
**M129.348T75.47\_46**

**FDR = 0.0051, FC = -0.63**

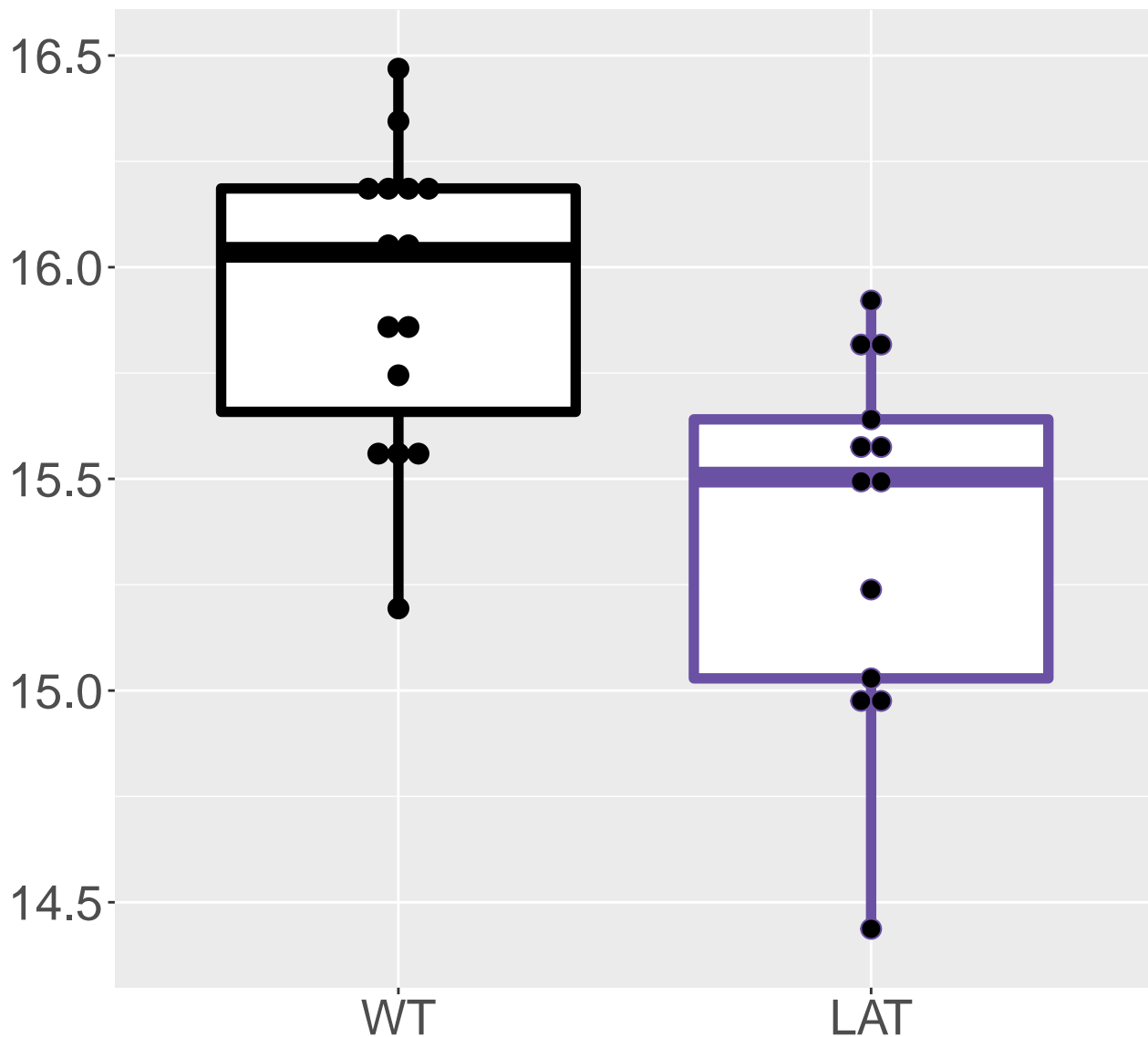


**M351.6857T184.95\_1**

**FDR = 0.0051, FC = 0.54**

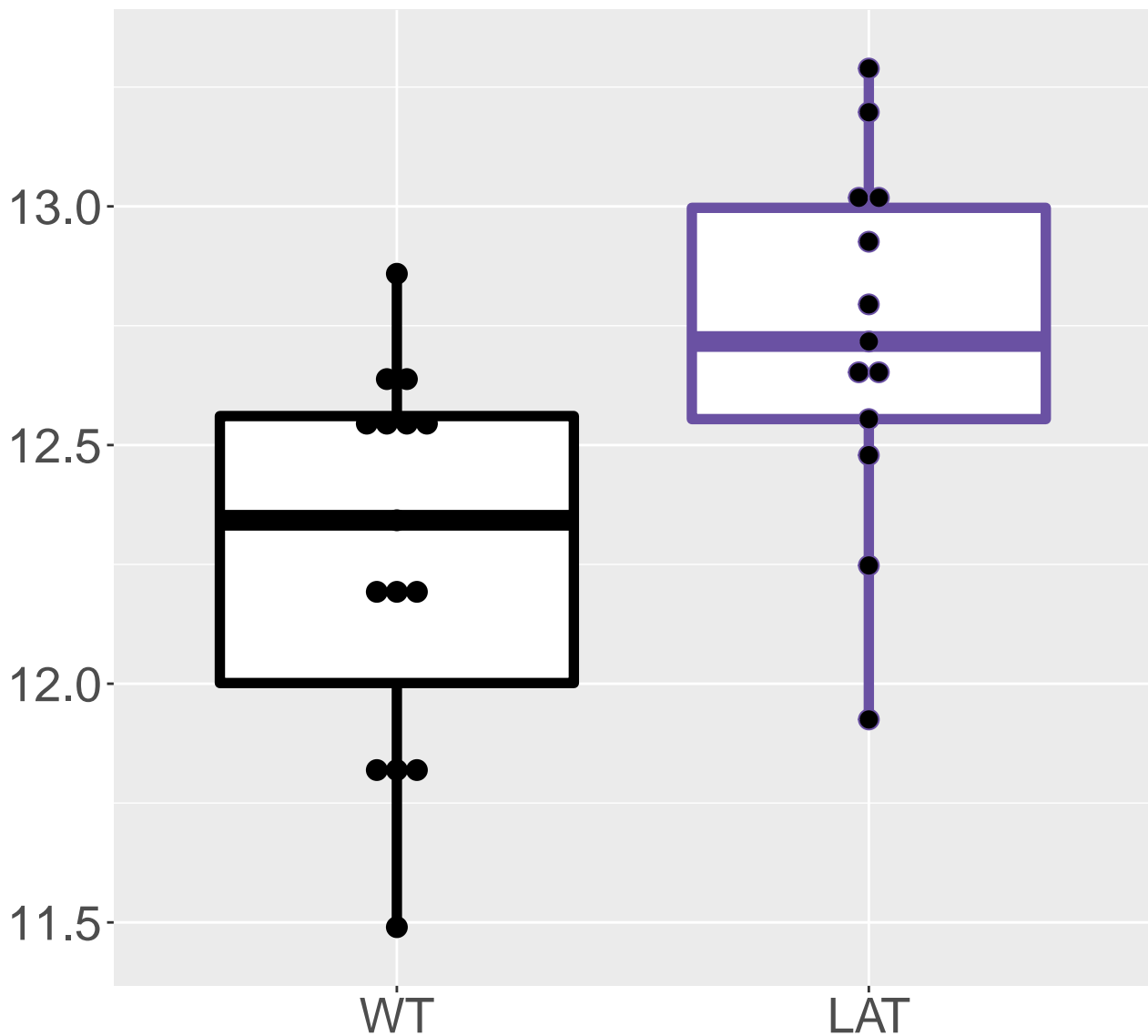


**M159.9131T113.19\_19**  
**FDR = 0.0052, FC = -0.55**



**M460.1724T328.07\_3**

**FDR = 0.0052, FC = 0.45, sex\***

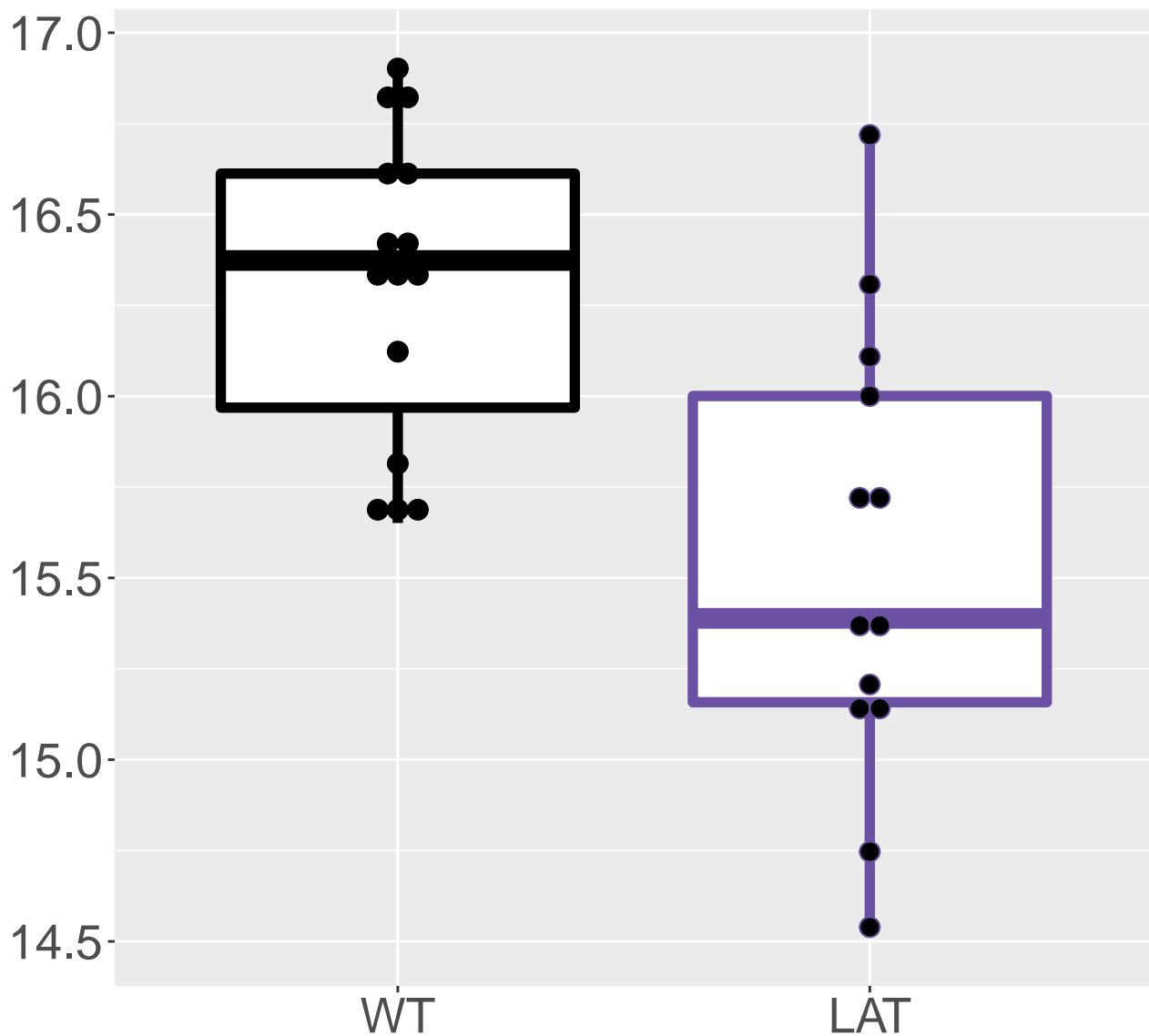


**FDR = 0.0052, FC = -0.45**



**M565.2113T49.98**

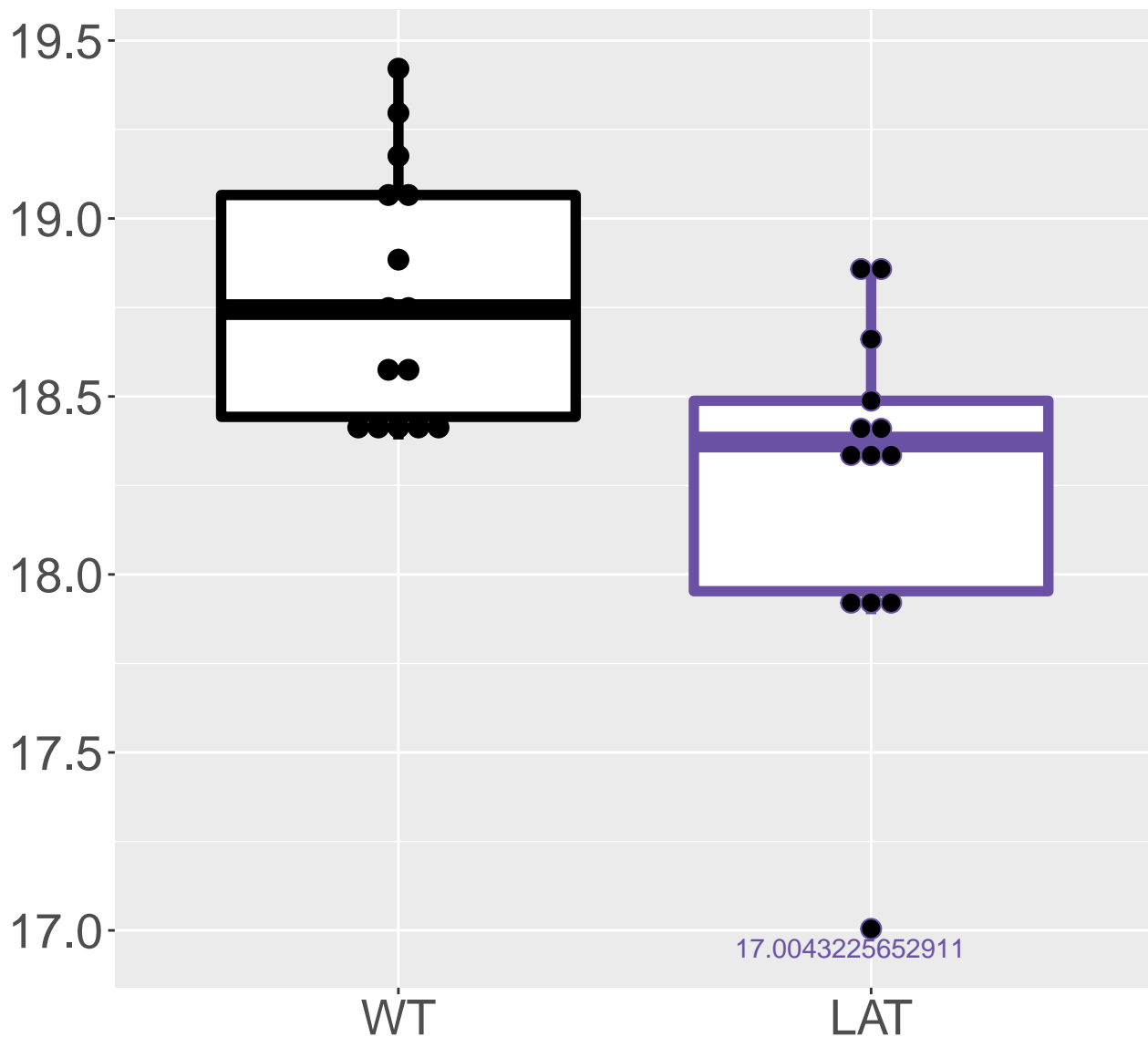
**FDR = 0.0053, FC = -0.76**





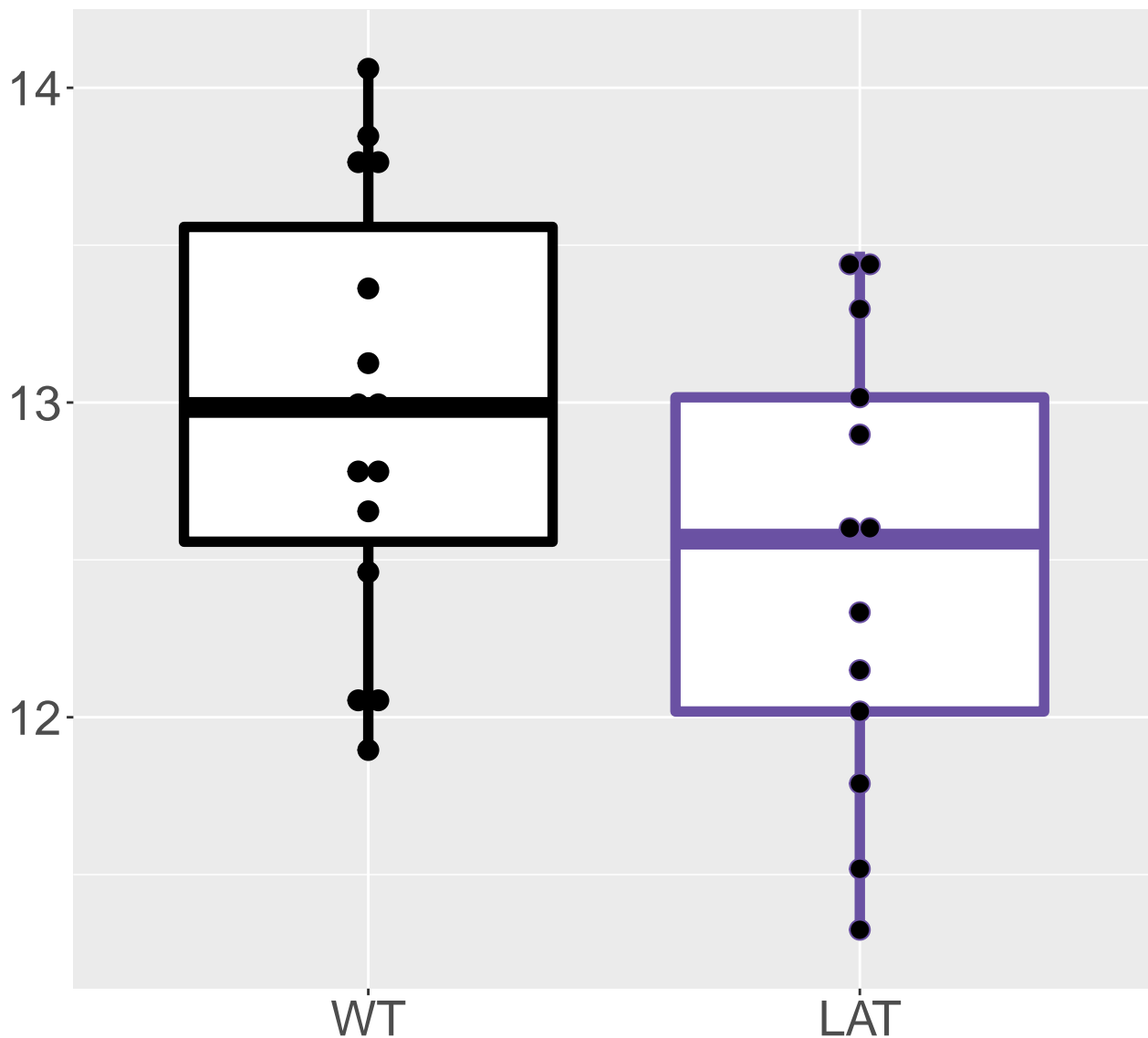
**M660.633T298.31\_1**

**FDR = 0.0053, FC = -0.51, sex\*\***



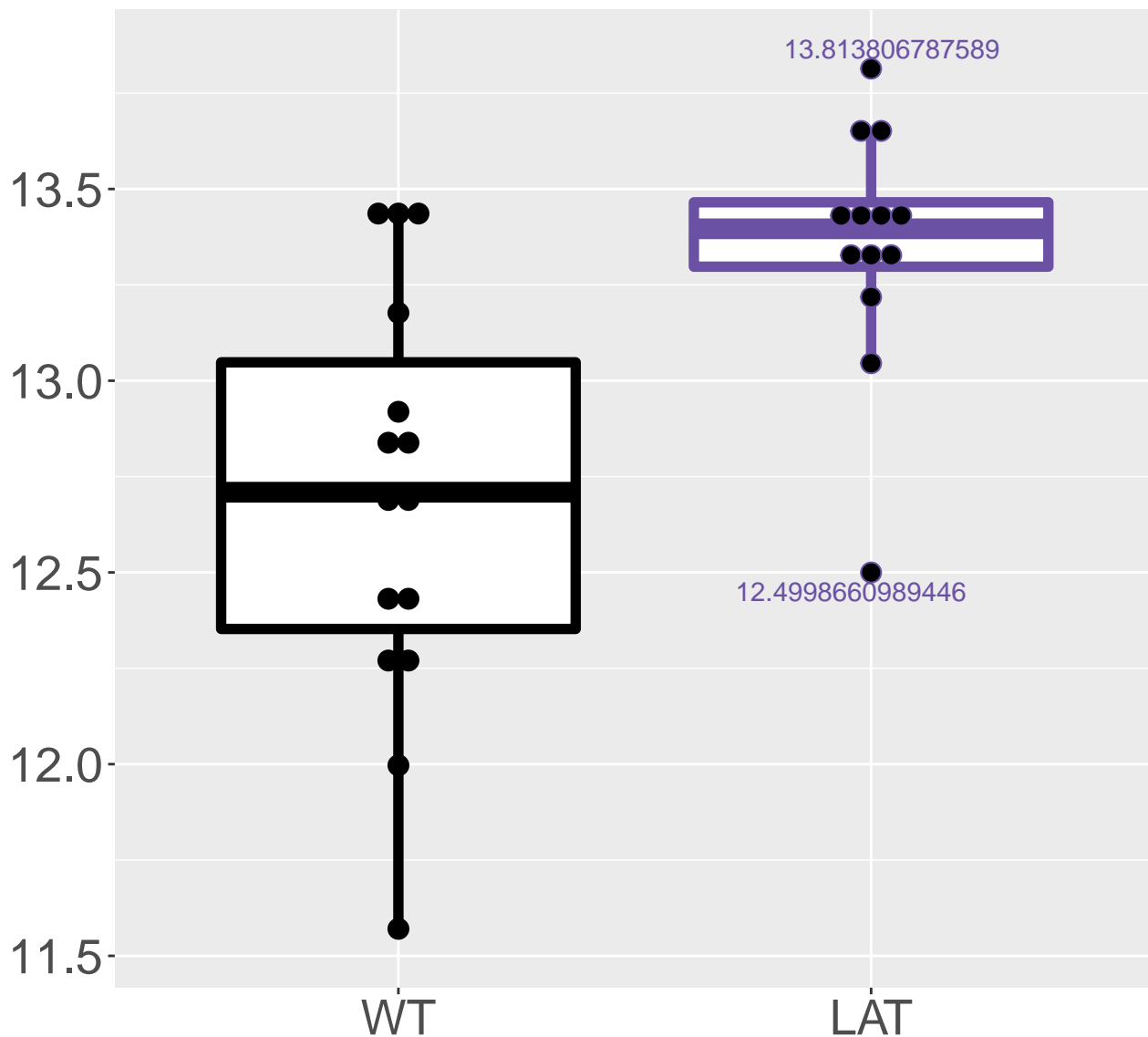
**M259.1093T311.73**

**FDR = 0.0053, FC = -0.48, sex\*\*\***

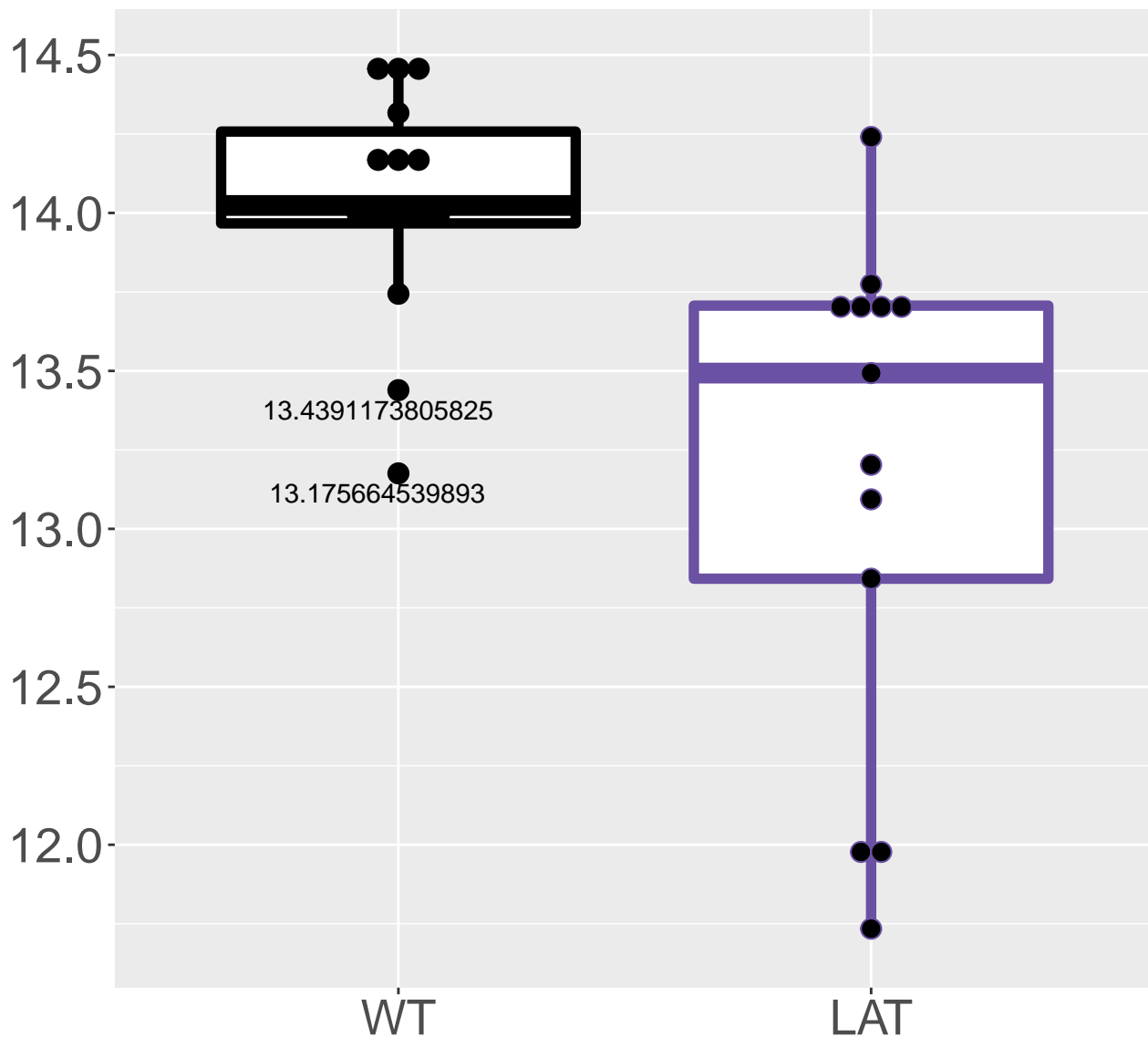


**M555.2803T122.99**

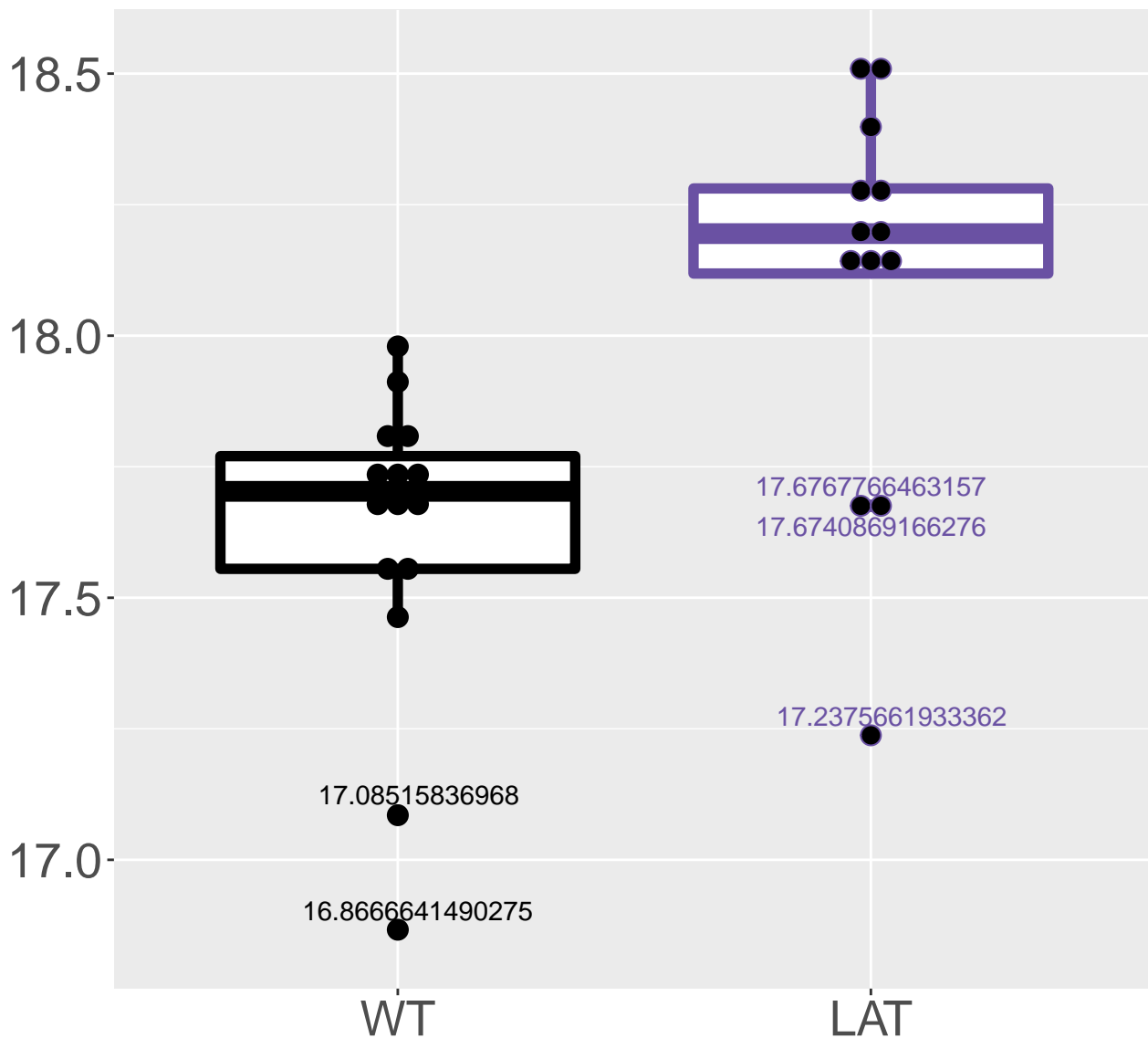
**FDR = 0.0053, FC = 0.65**



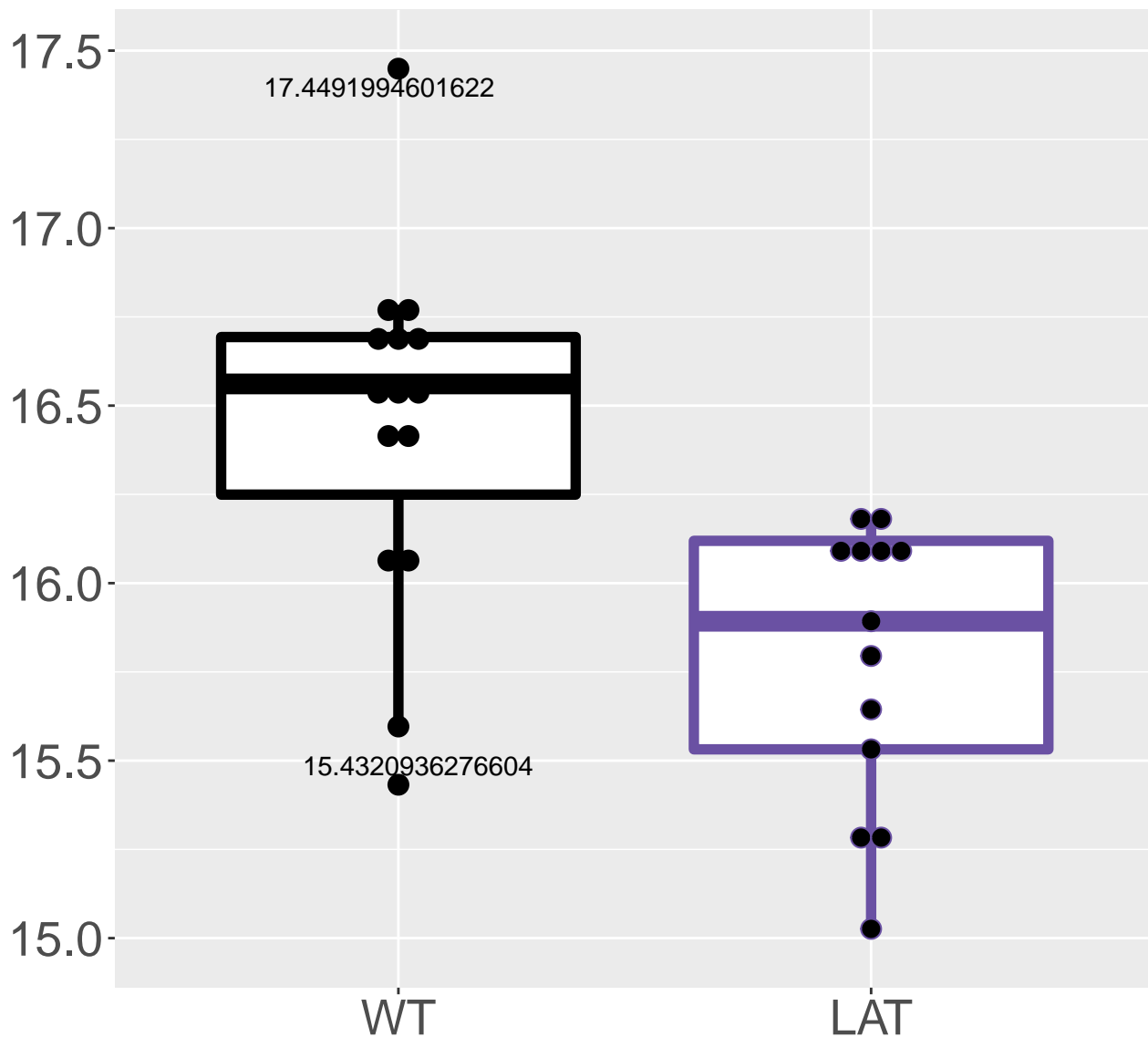
**M207.0095T229\_10**  
**FDR = 0.0054, FC = -0.87**



**M350.1824T62.27**  
**FDR = 0.0054, FC = 0.49**

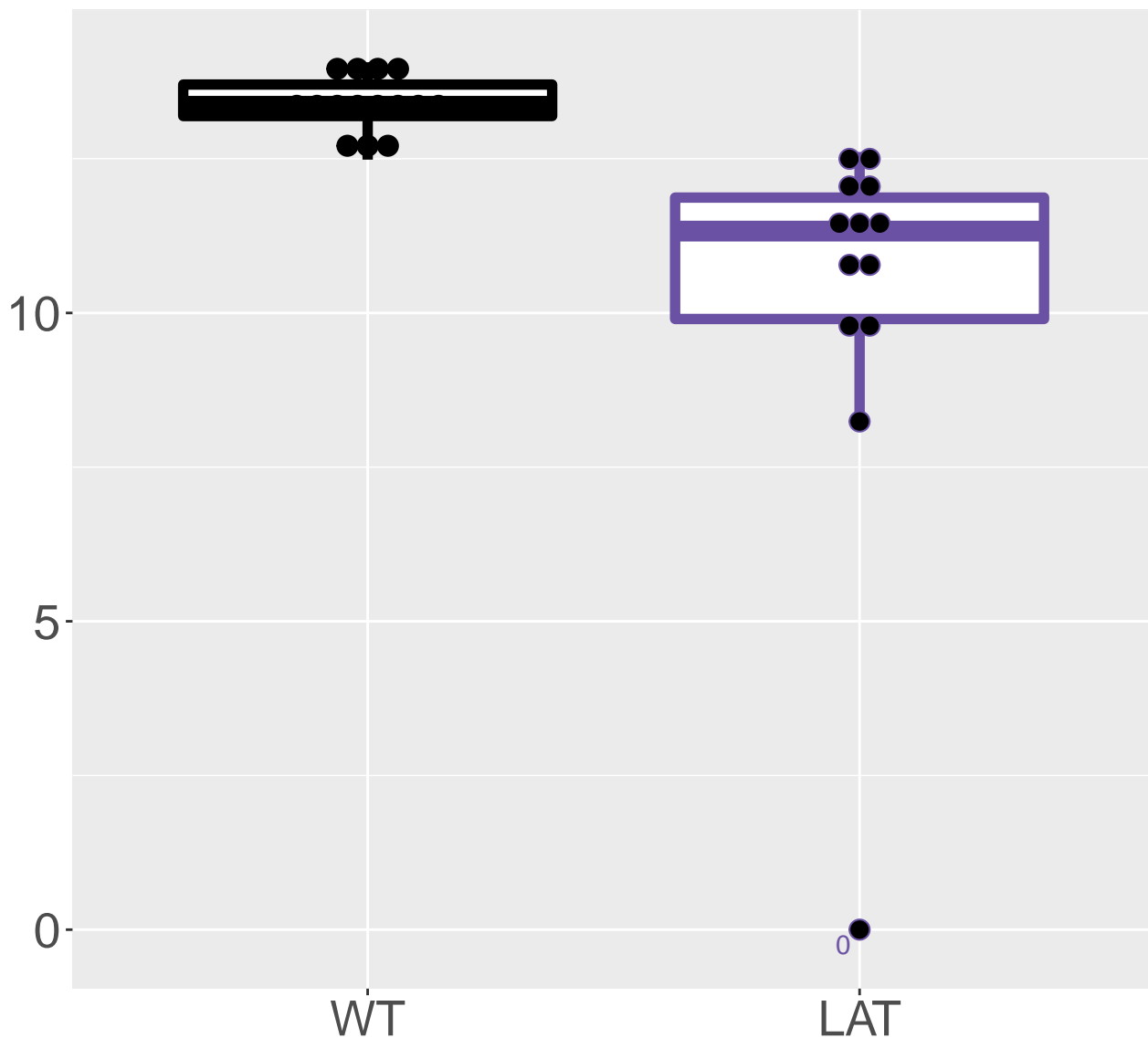


**M126.1037T75.67\_16**  
**FDR = 0.0054, FC = -0.66**



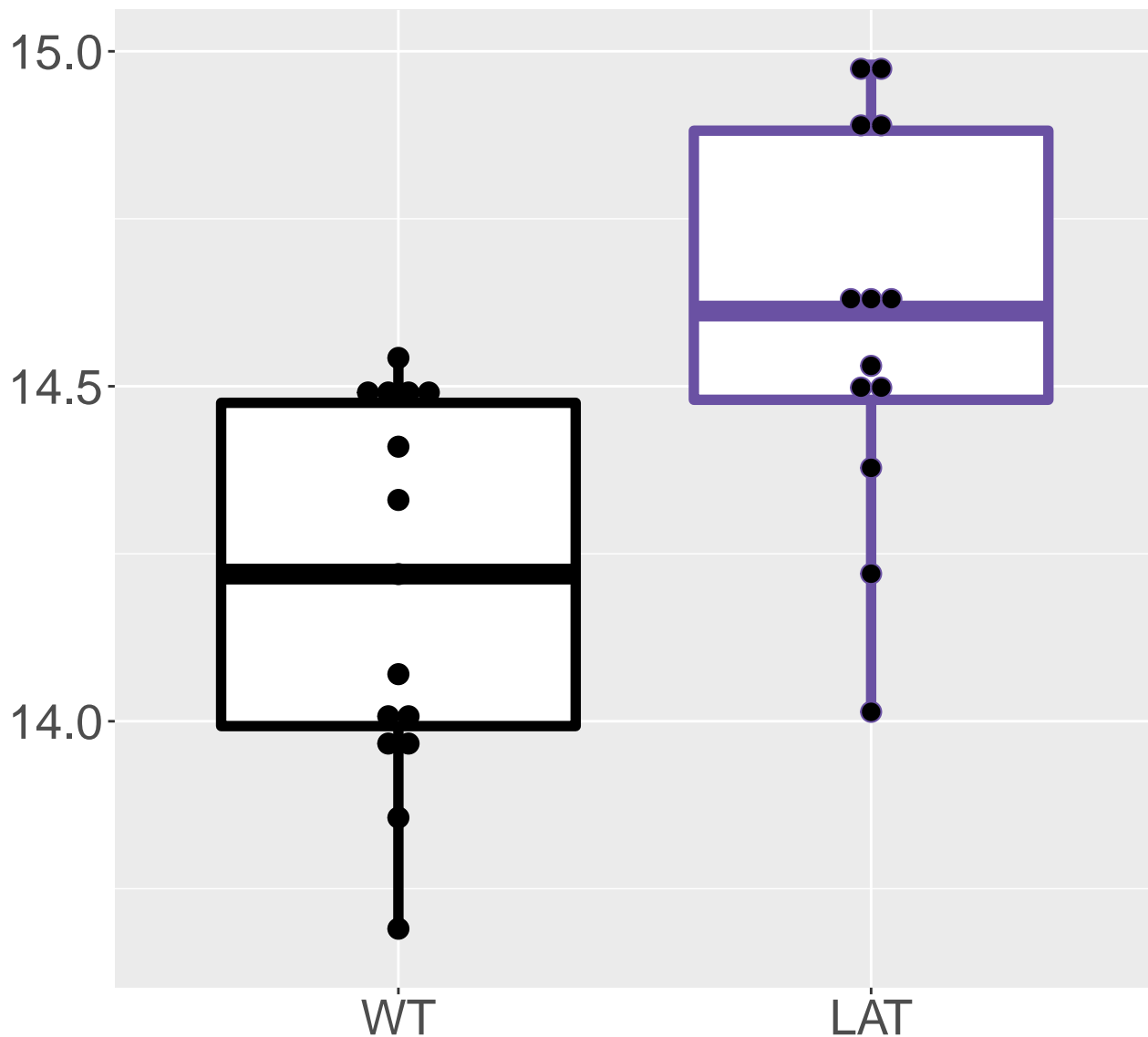
**M588.237T258.43**

**FDR = 0.0055, FC = -3.2**



**M524.8311T43.15**

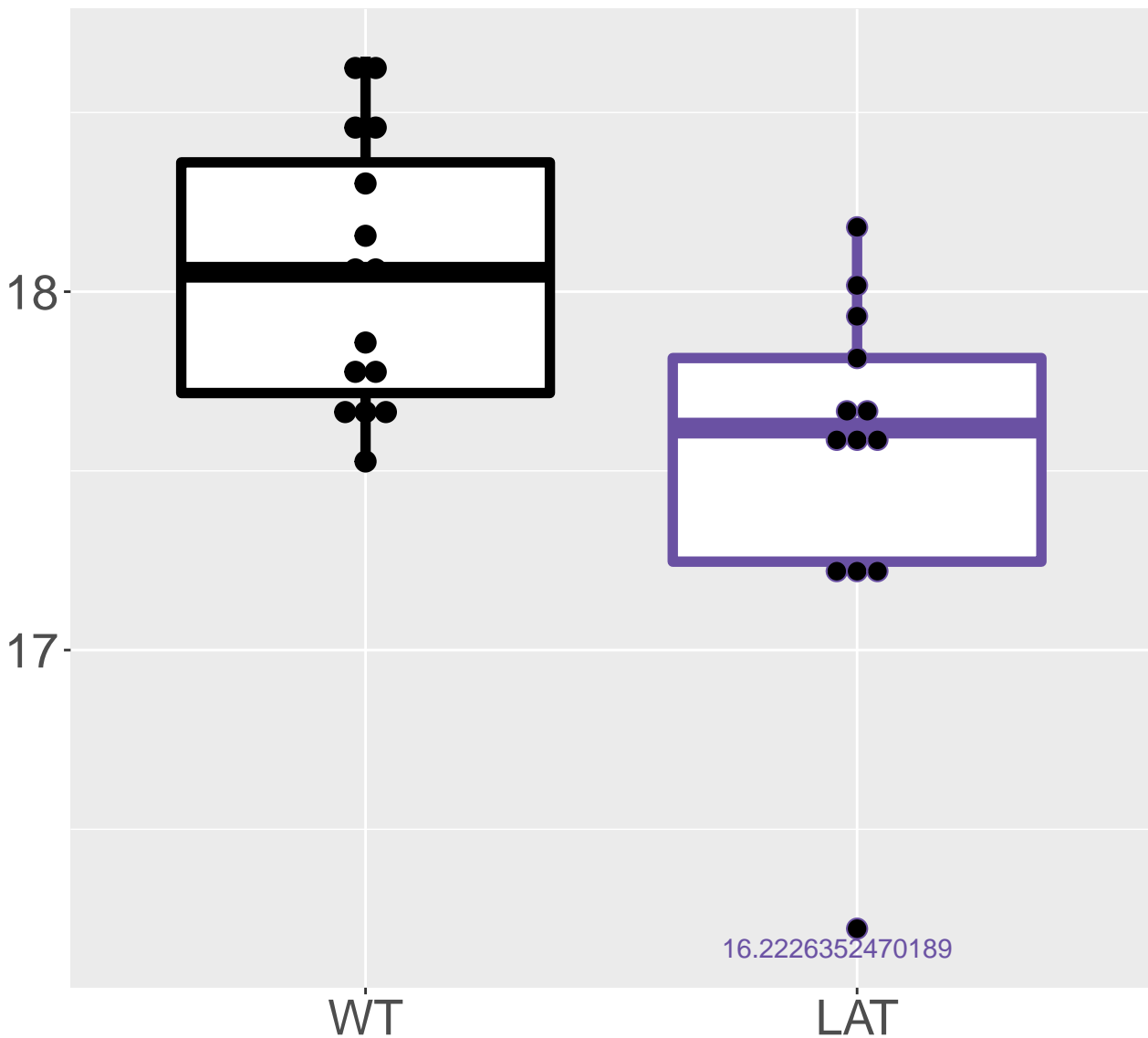
**FDR = 0.0056, FC = 0.39, sex\***





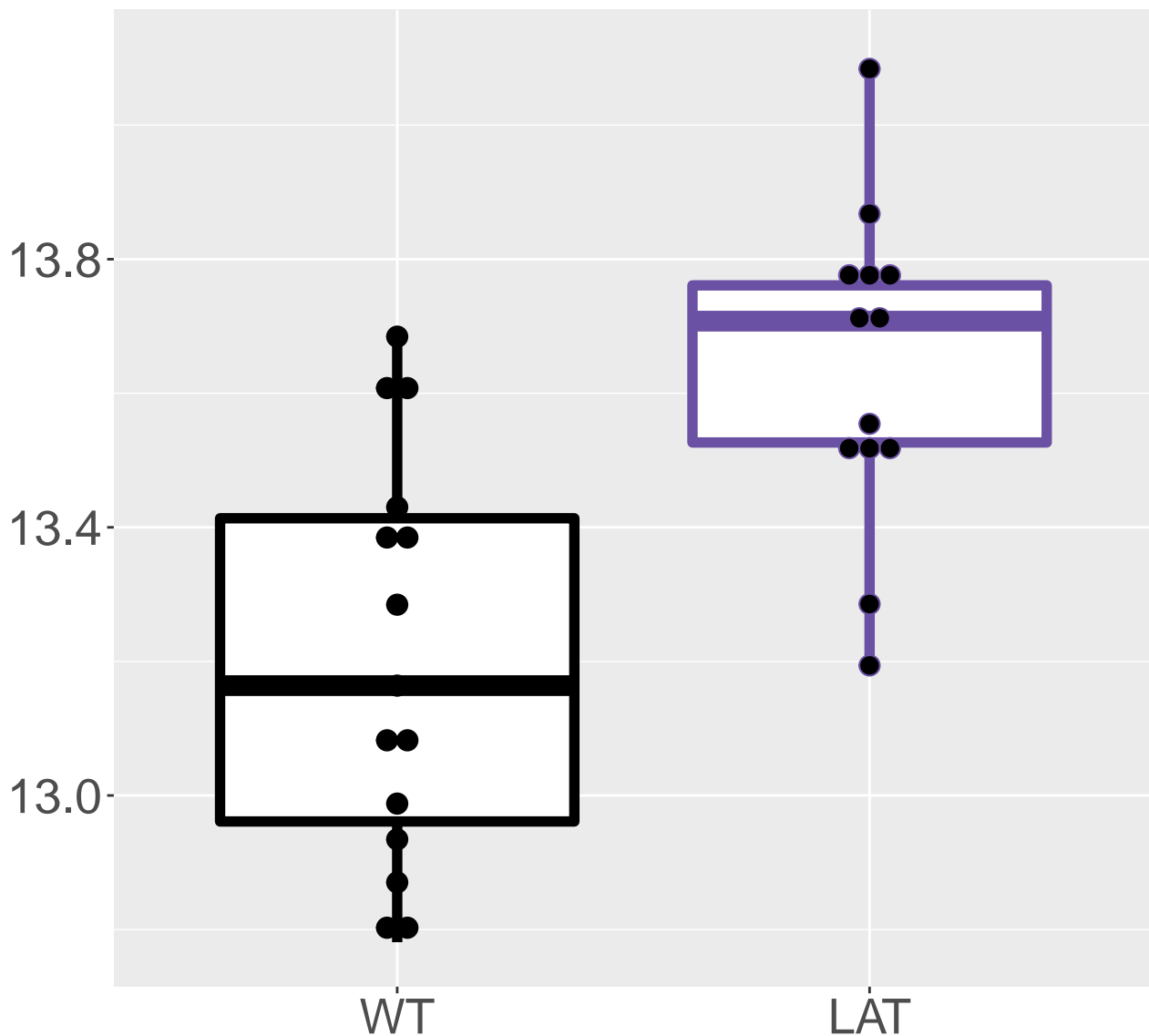
M578.4307T298.19\_4

FDR = 0.0056, FC = -0.51, sex\*\*



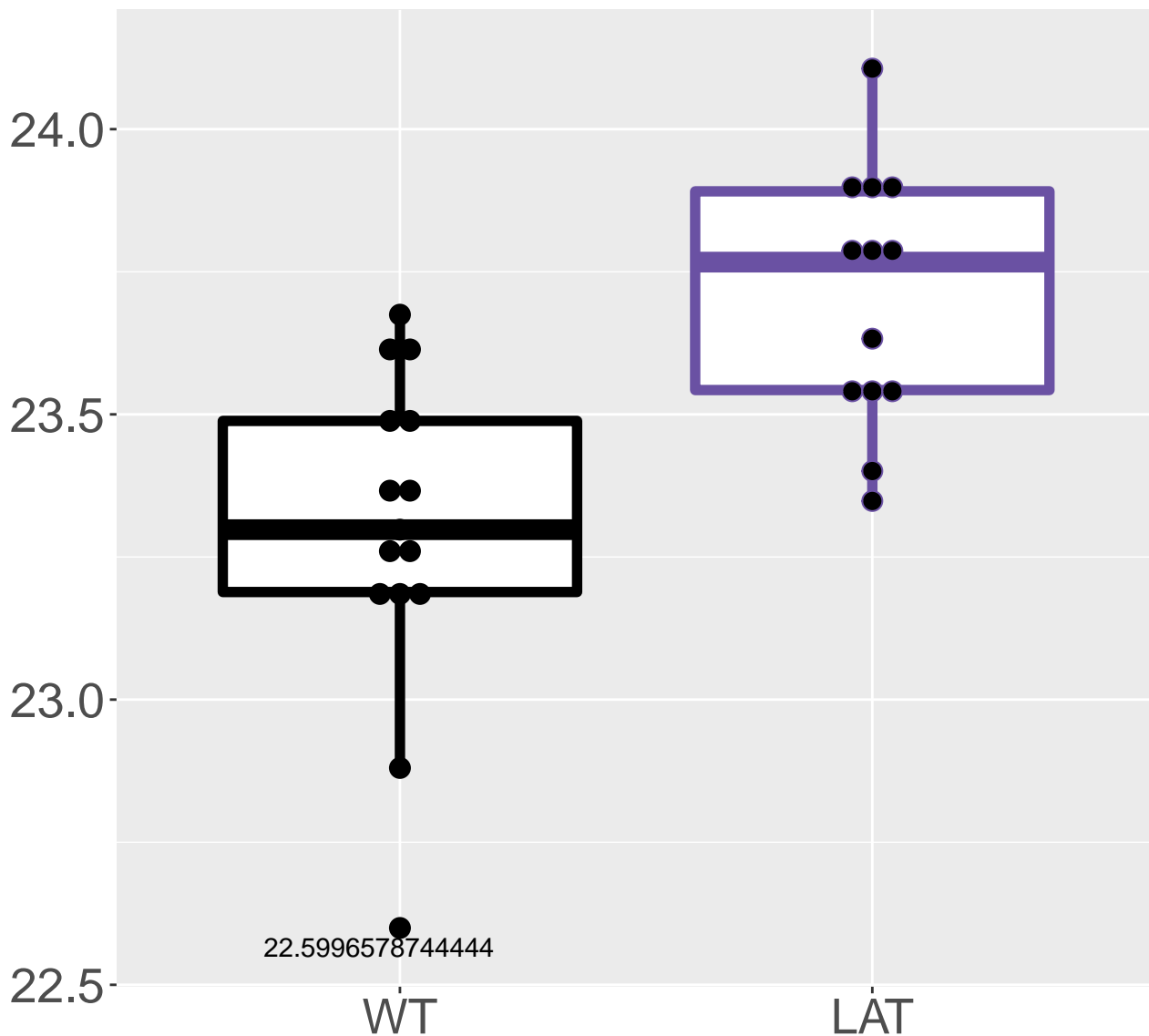
**M737.0907T321.85\_1**

**FDR = 0.0056, FC = 0.43**

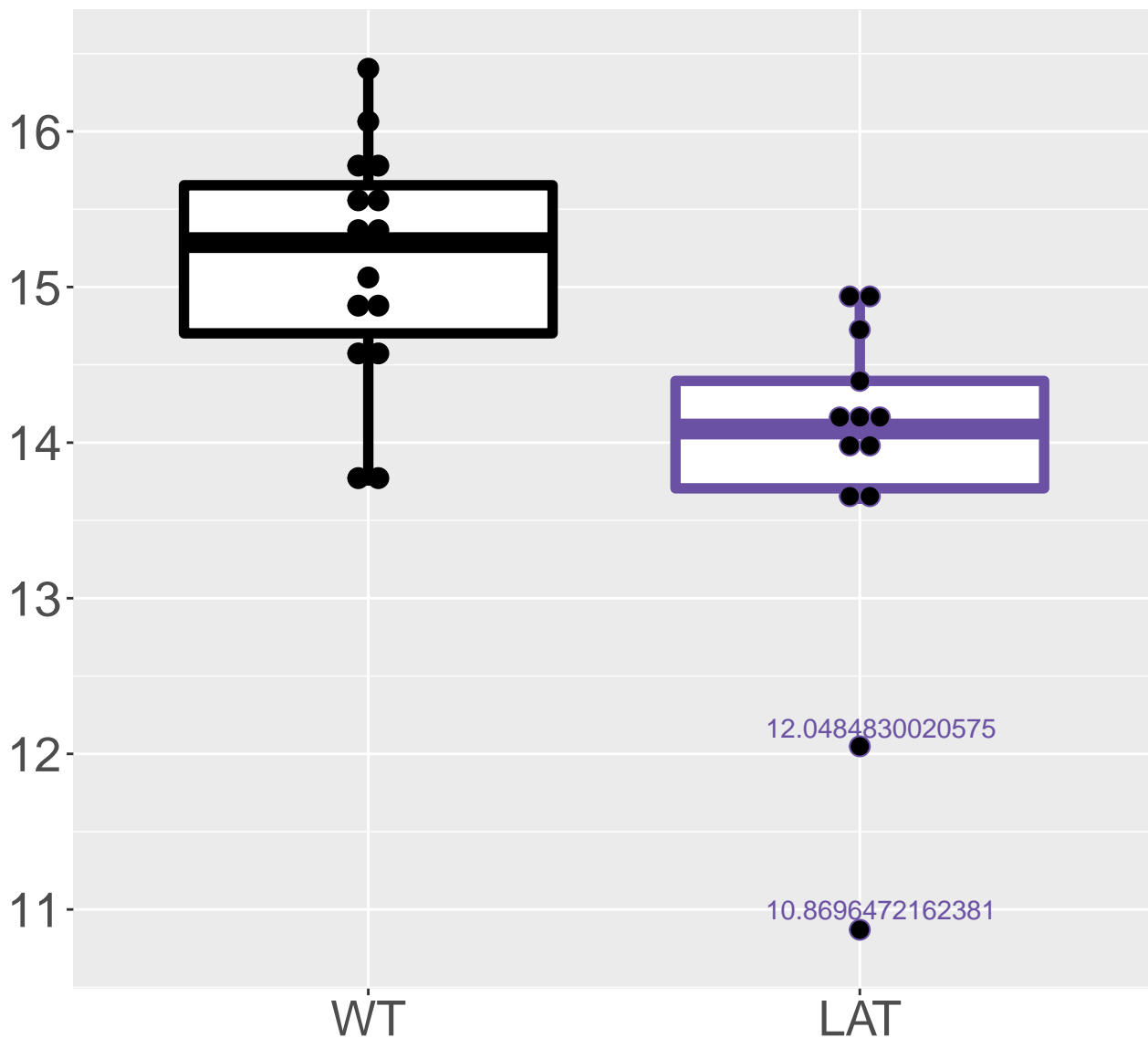


**M132.0775T48.45**

**FDR = 0.0056, FC = 0.41**

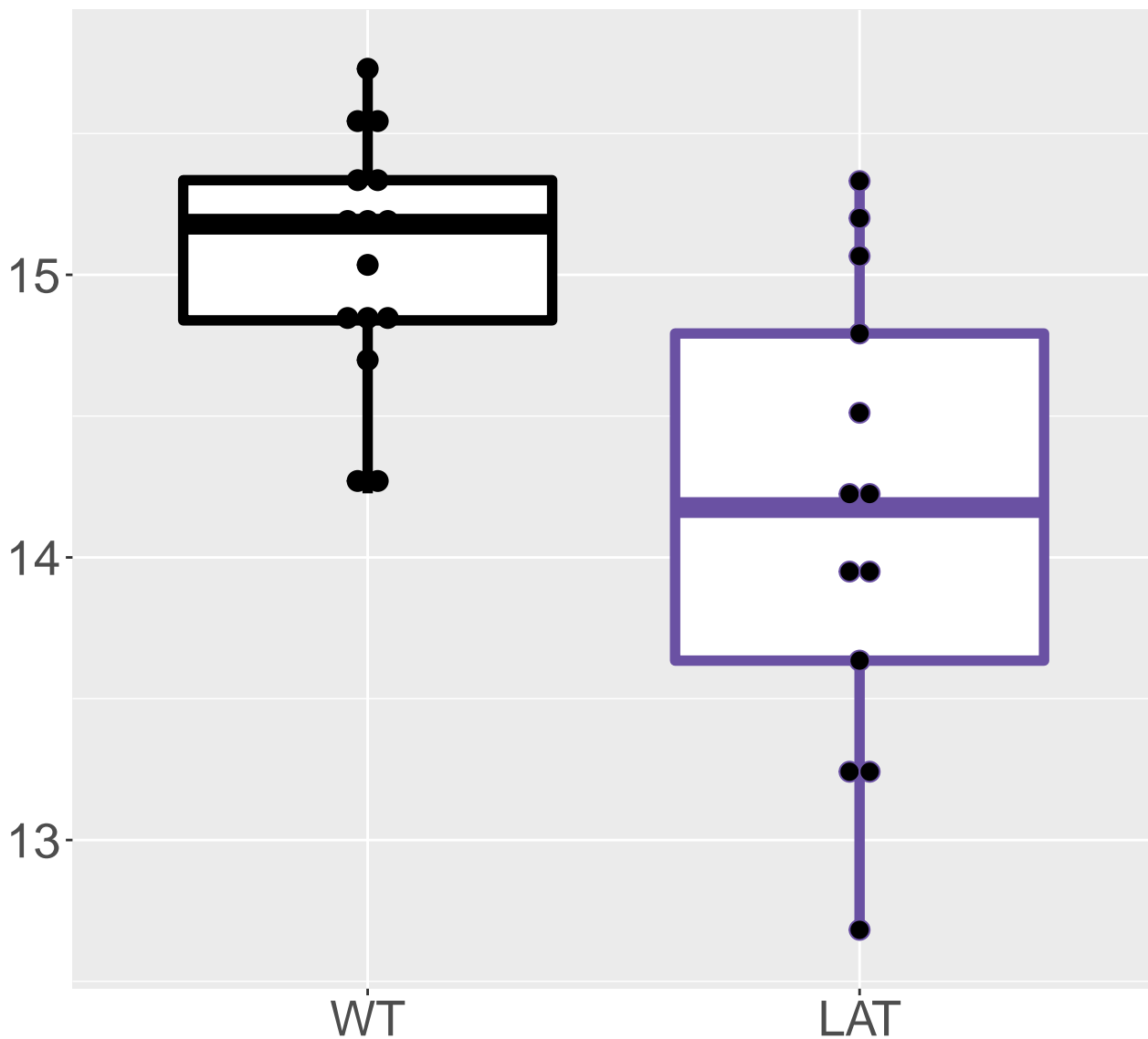


**M535.2978T343.14\_4**  
**FDR = 0.0056, FC = -1.3**



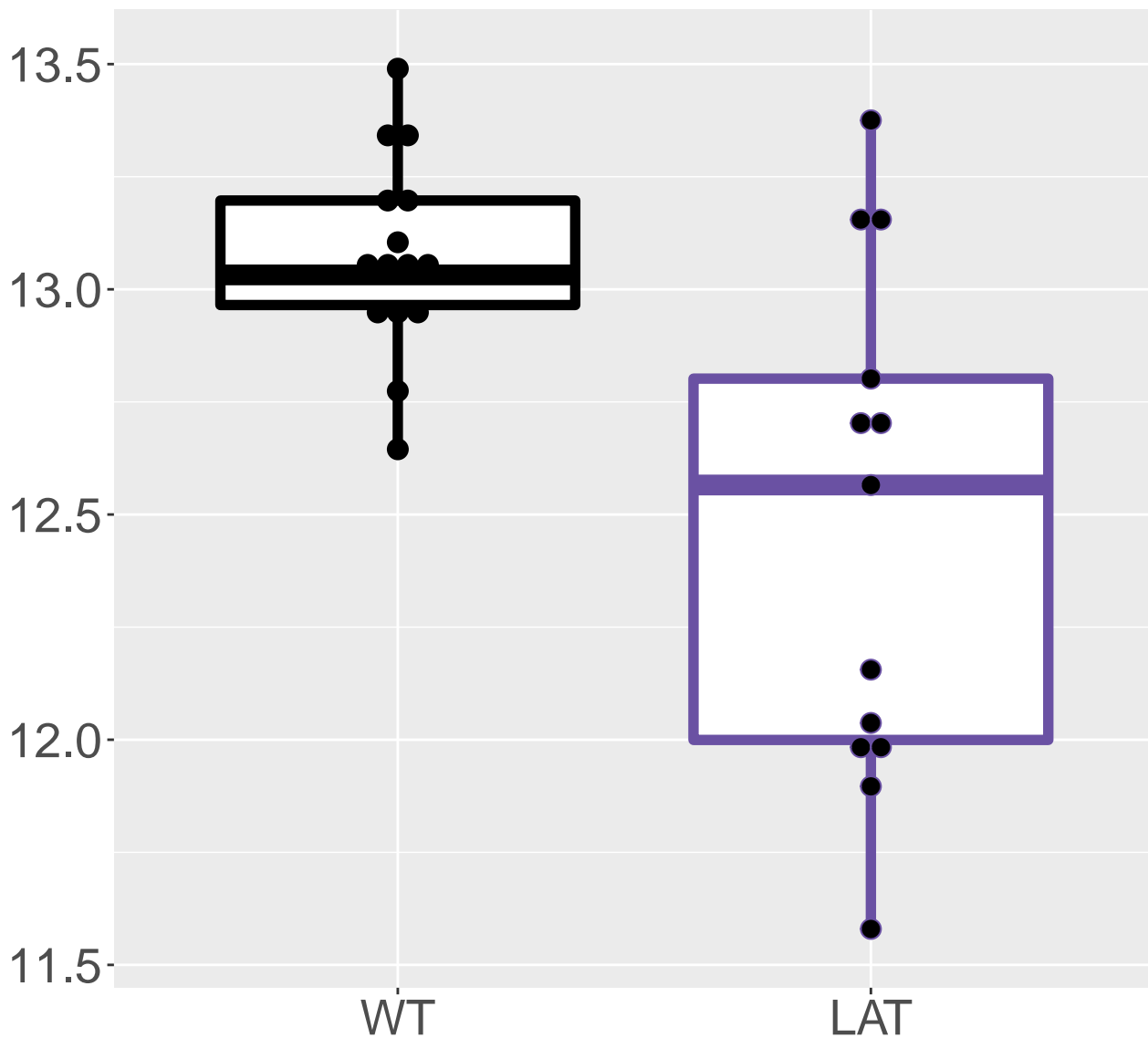
**M459.4484T327.76**

**FDR = 0.0056, FC = -0.9**



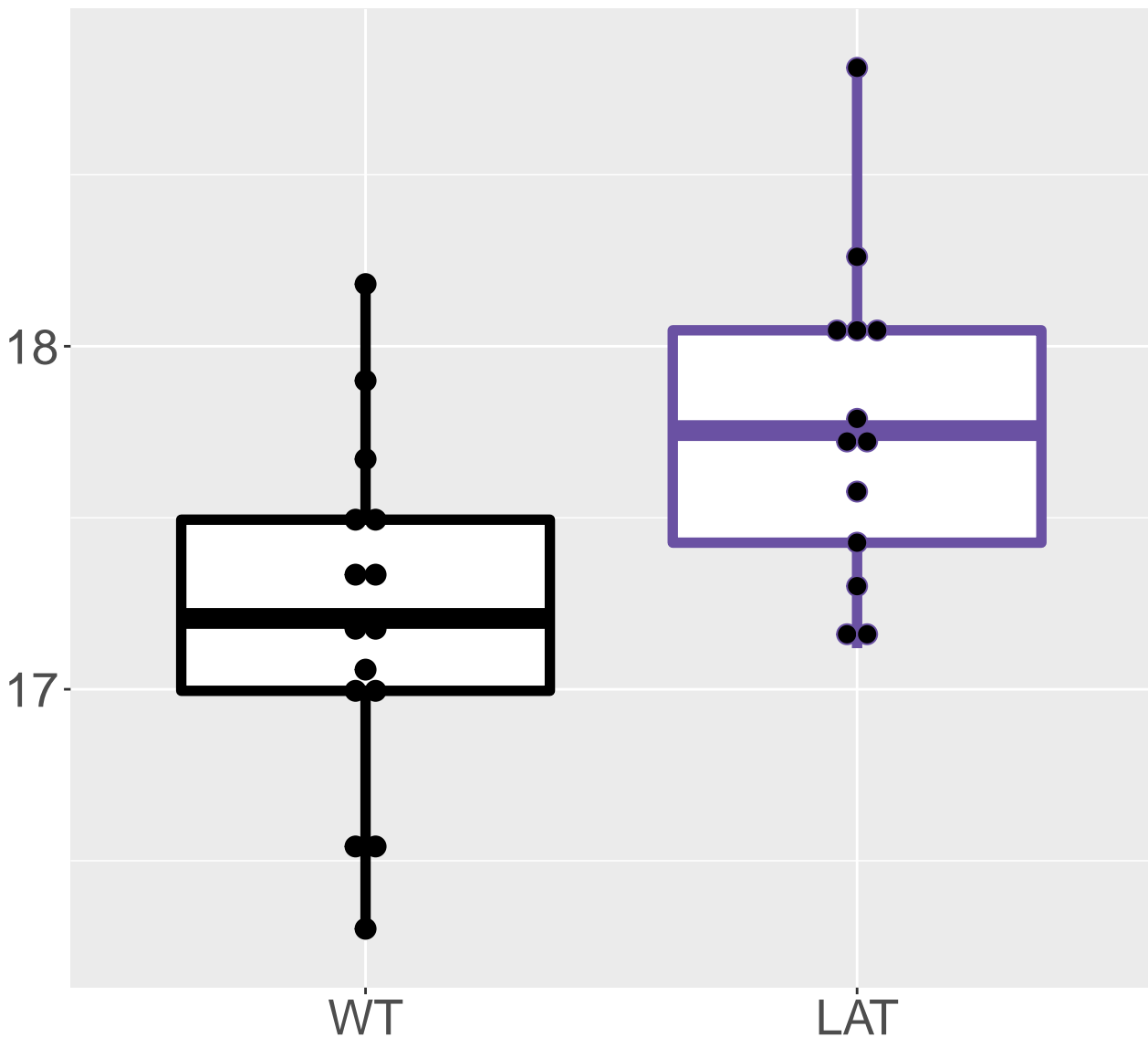
**M414.1979T272.7**

**FDR = 0.0056, FC = -0.61**



**M792.0794T298.68\_2**

**FDR = 0.0056, FC = 0.56, sex\***



**M791.7448T298.37**

**FDR = 0.0056, FC = 0.62**



17.0812743770889

16.2868107249511

16

15

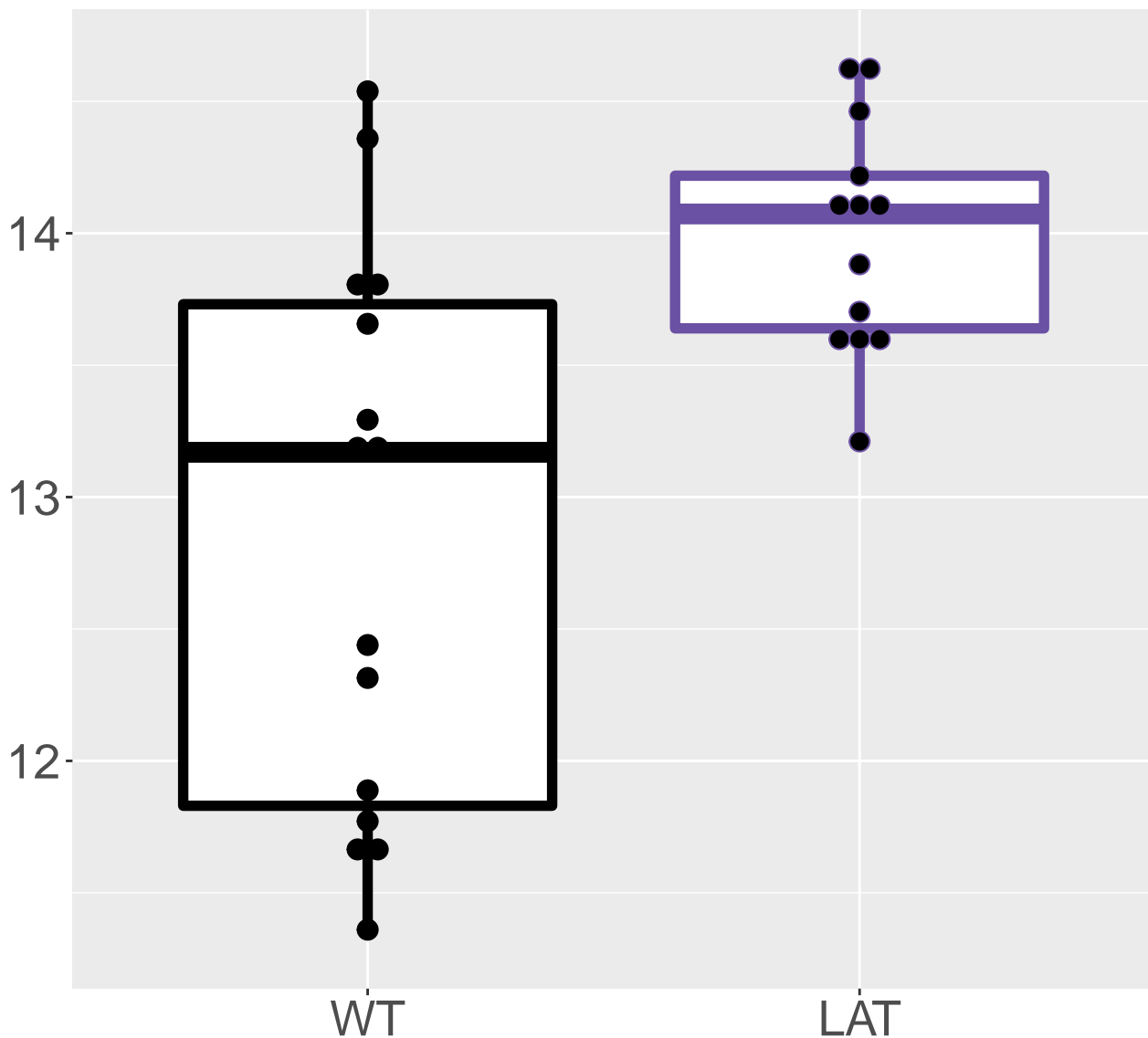
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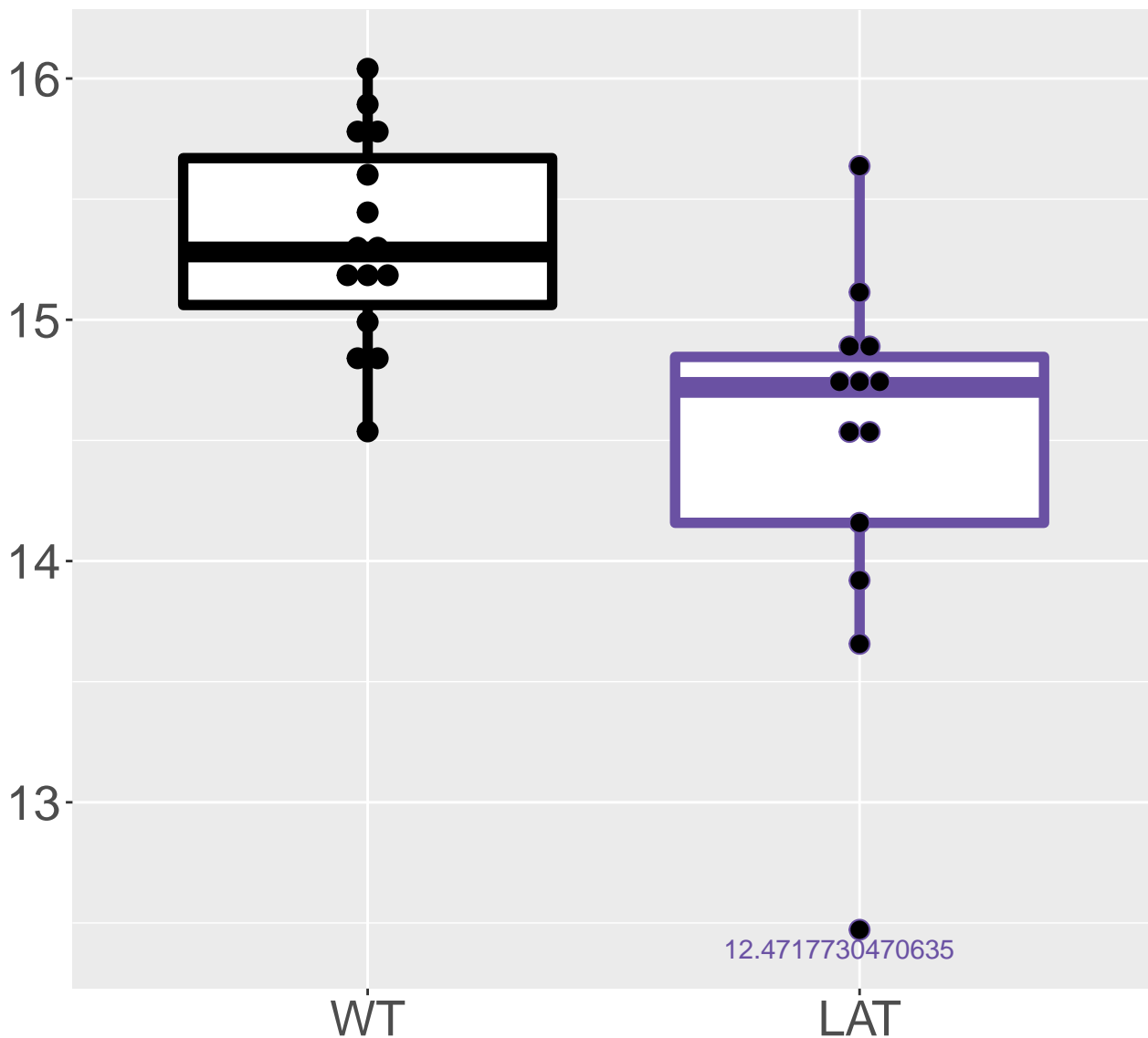


**M274.85T257.24**

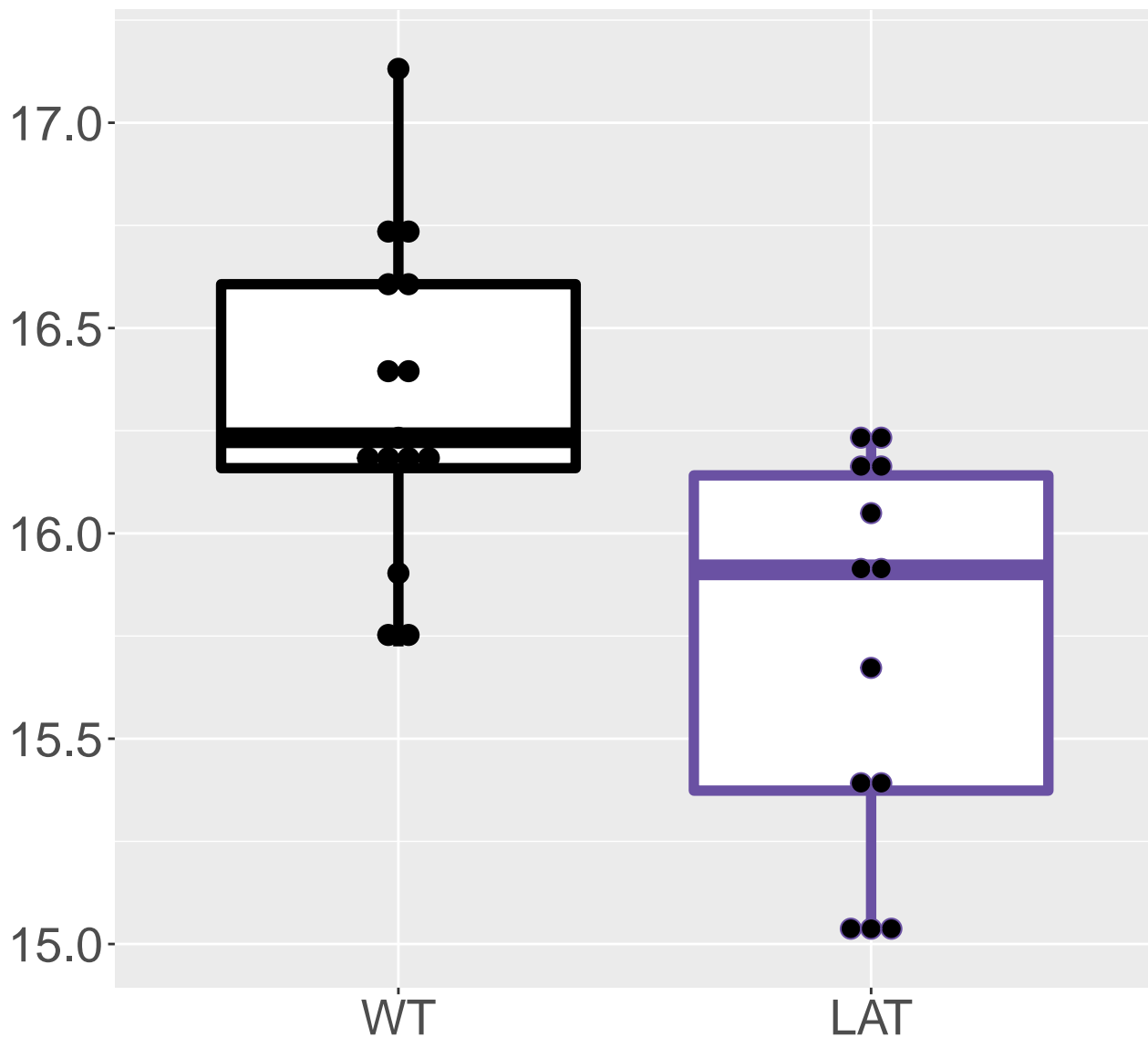
**FDR = 0.0056, FC = 1.1**



**M173.3873T113.11\_11**  
**FDR = 0.0056, FC = -0.87**

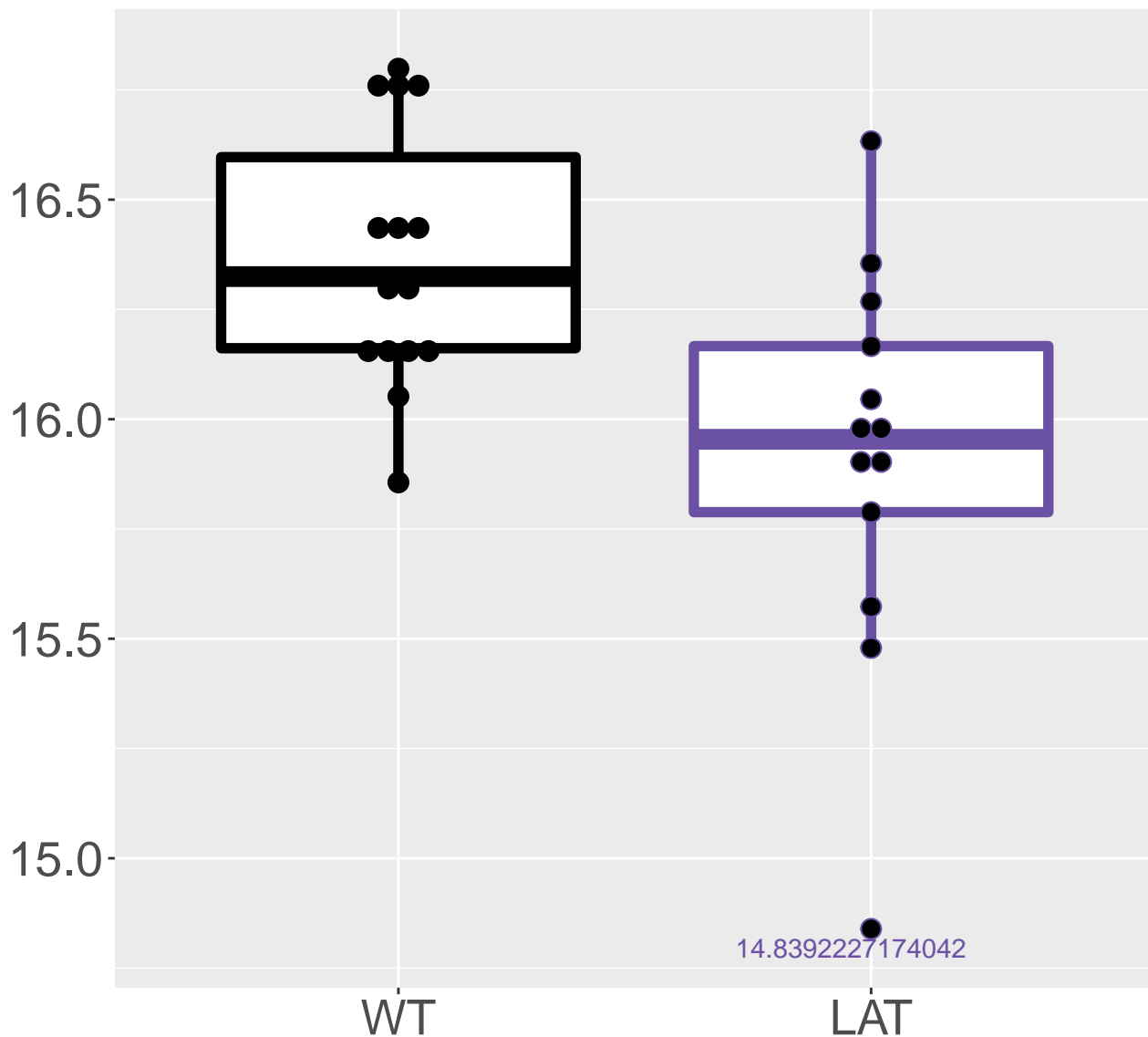


**M168.9895T113.16\_26**  
**FDR = 0.0056, FC = -0.62**



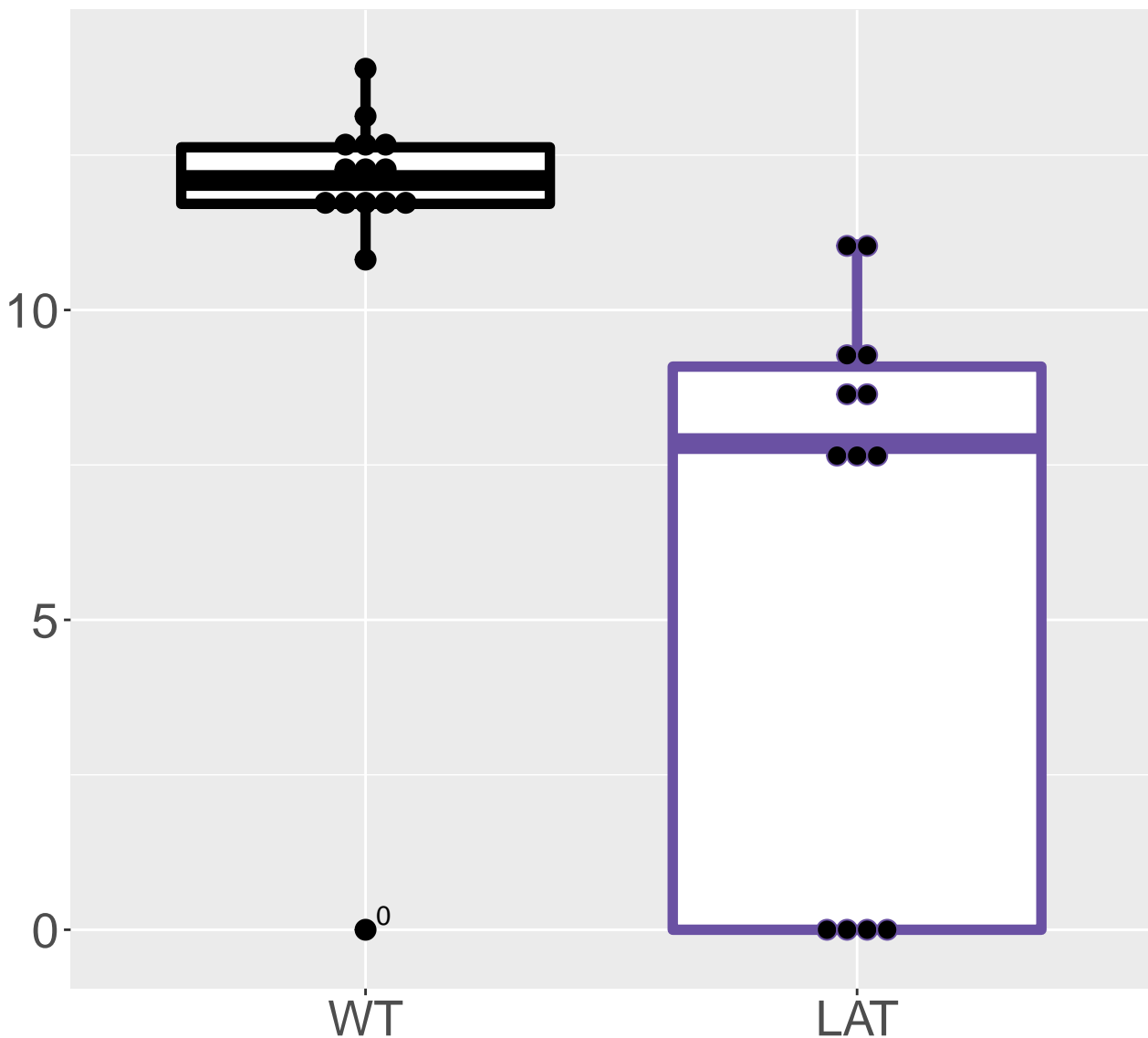
**M661.3483T298.08\_6**

**FDR = 0.0057, FC = -0.45, sex\*\***



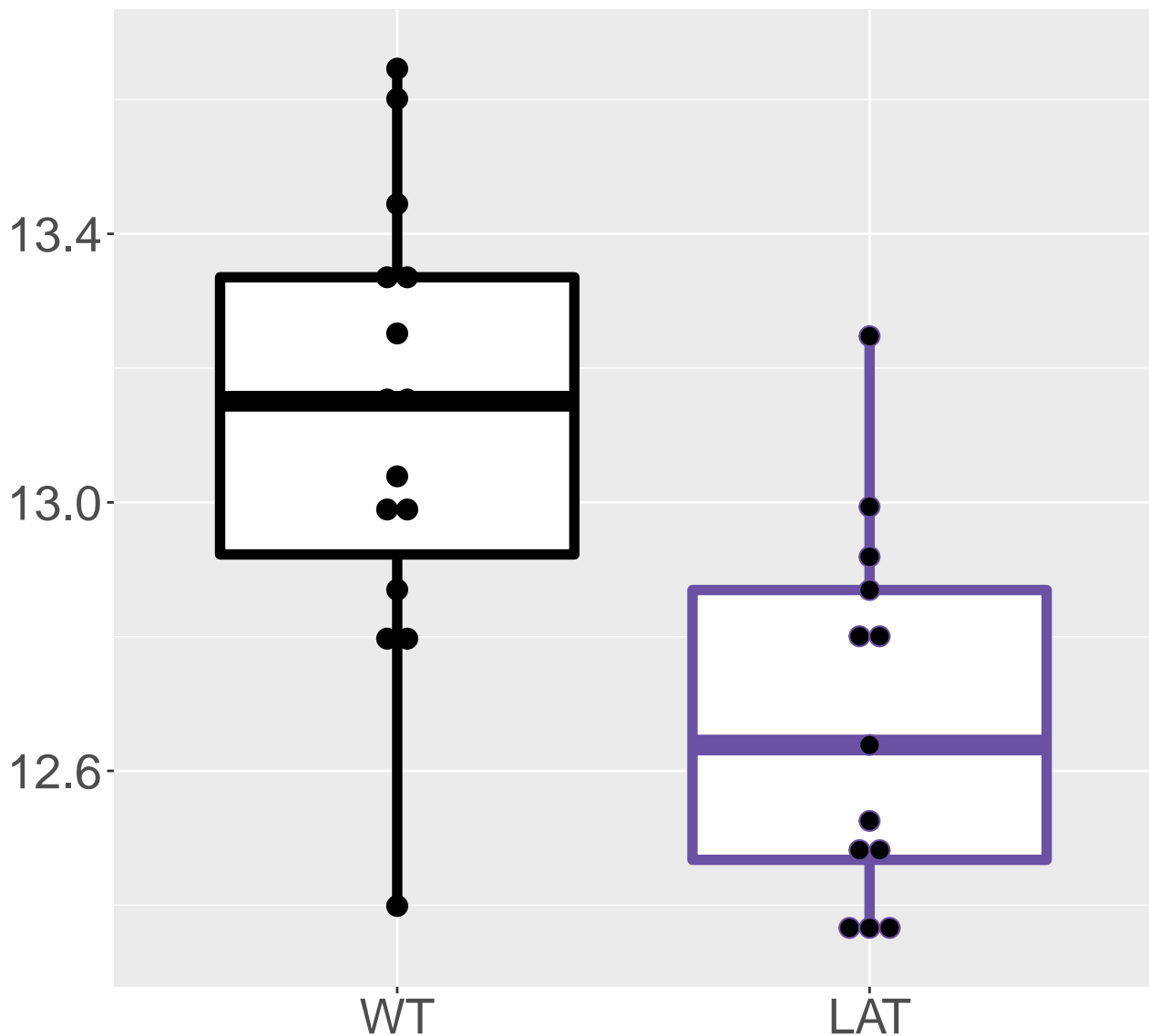
**M403.1731T156.91**

**FDR = 0.0057, FC = -5.2**



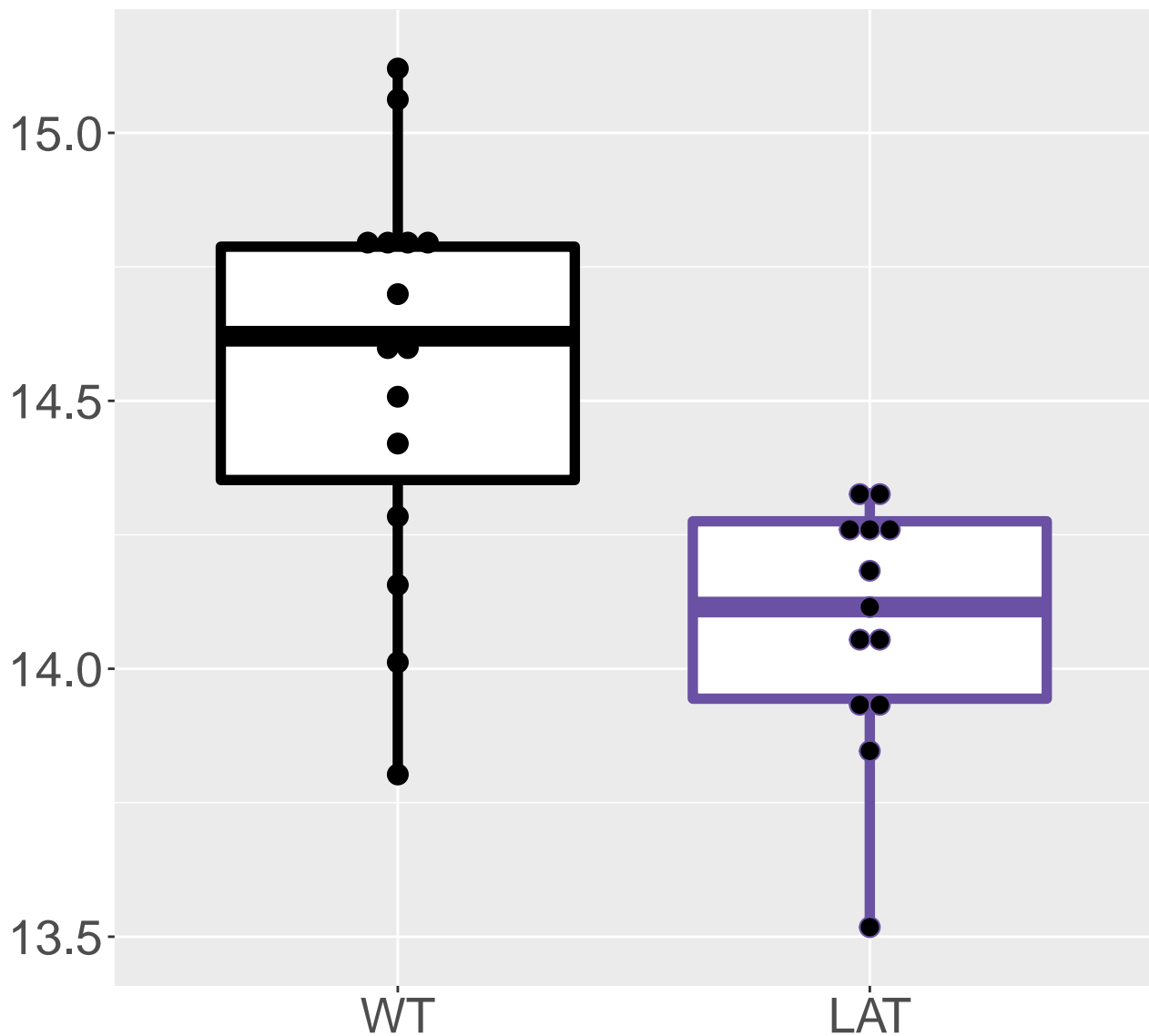
**M736.569T311.17**

**FDR = 0.0057, FC = -0.44**



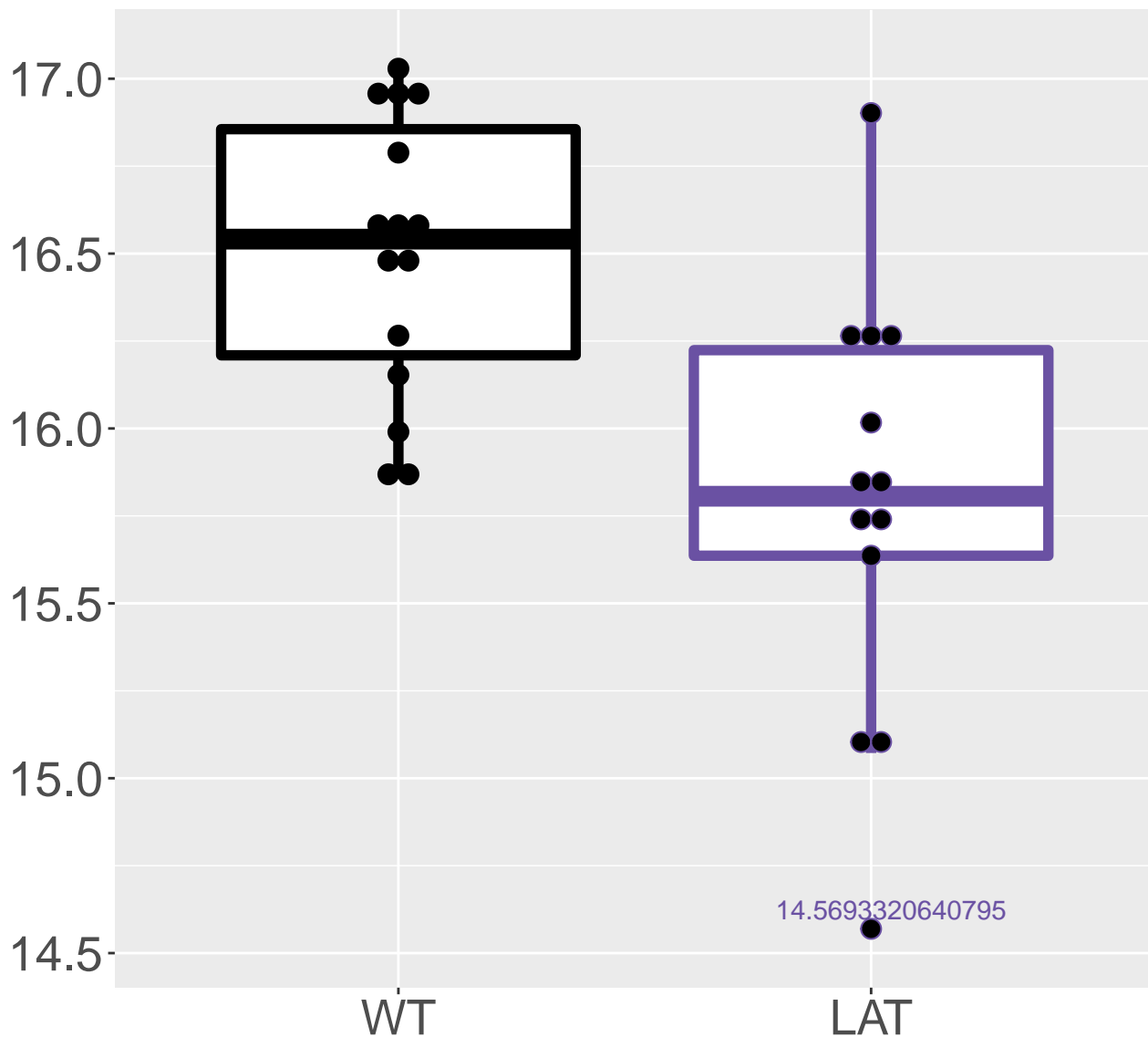
**M729.9023T357.05\_2**

**FDR = 0.0058, FC = -0.48**



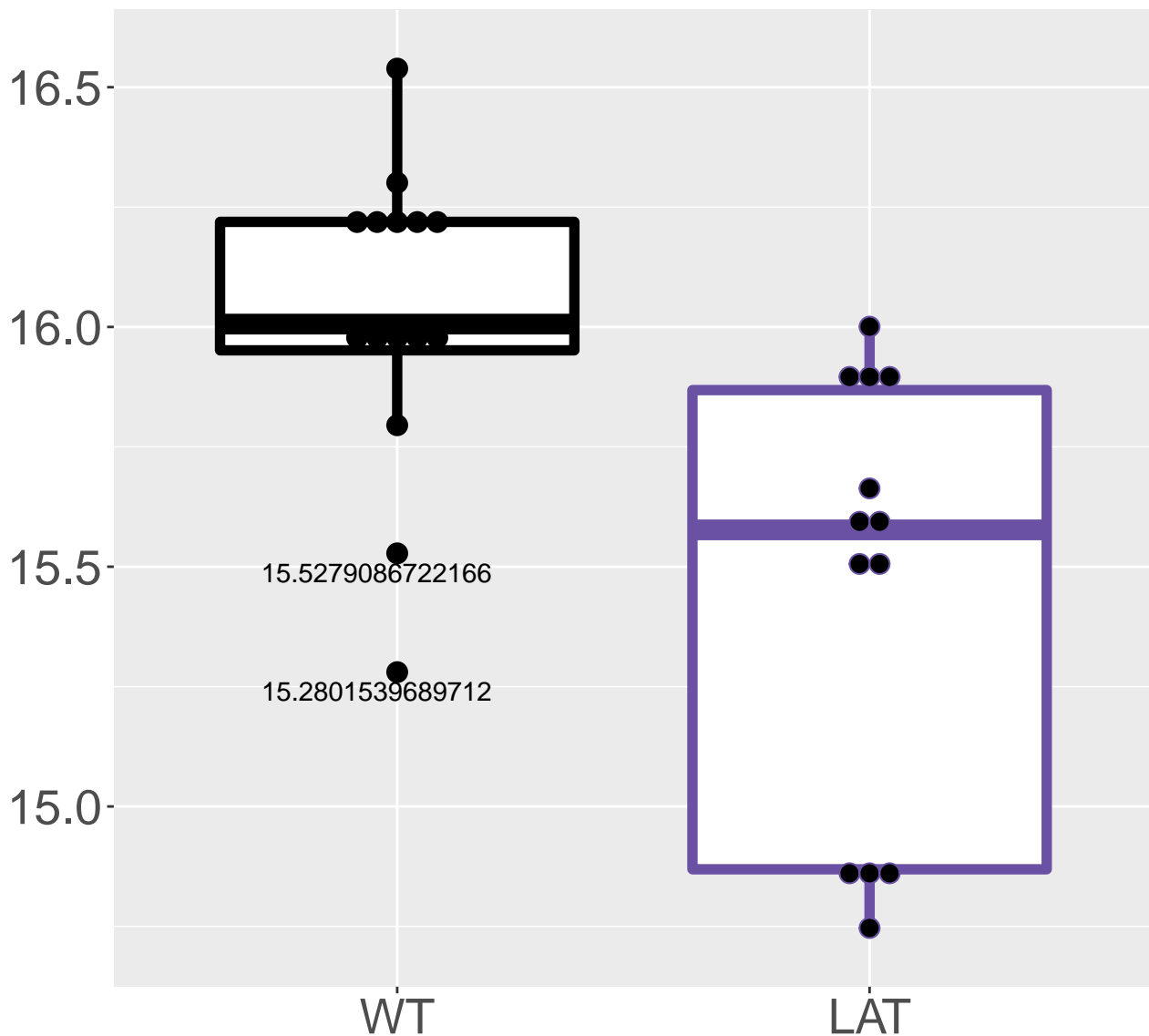
**M127.0748T75.47\_16**

**FDR = 0.0058, FC = -0.71**

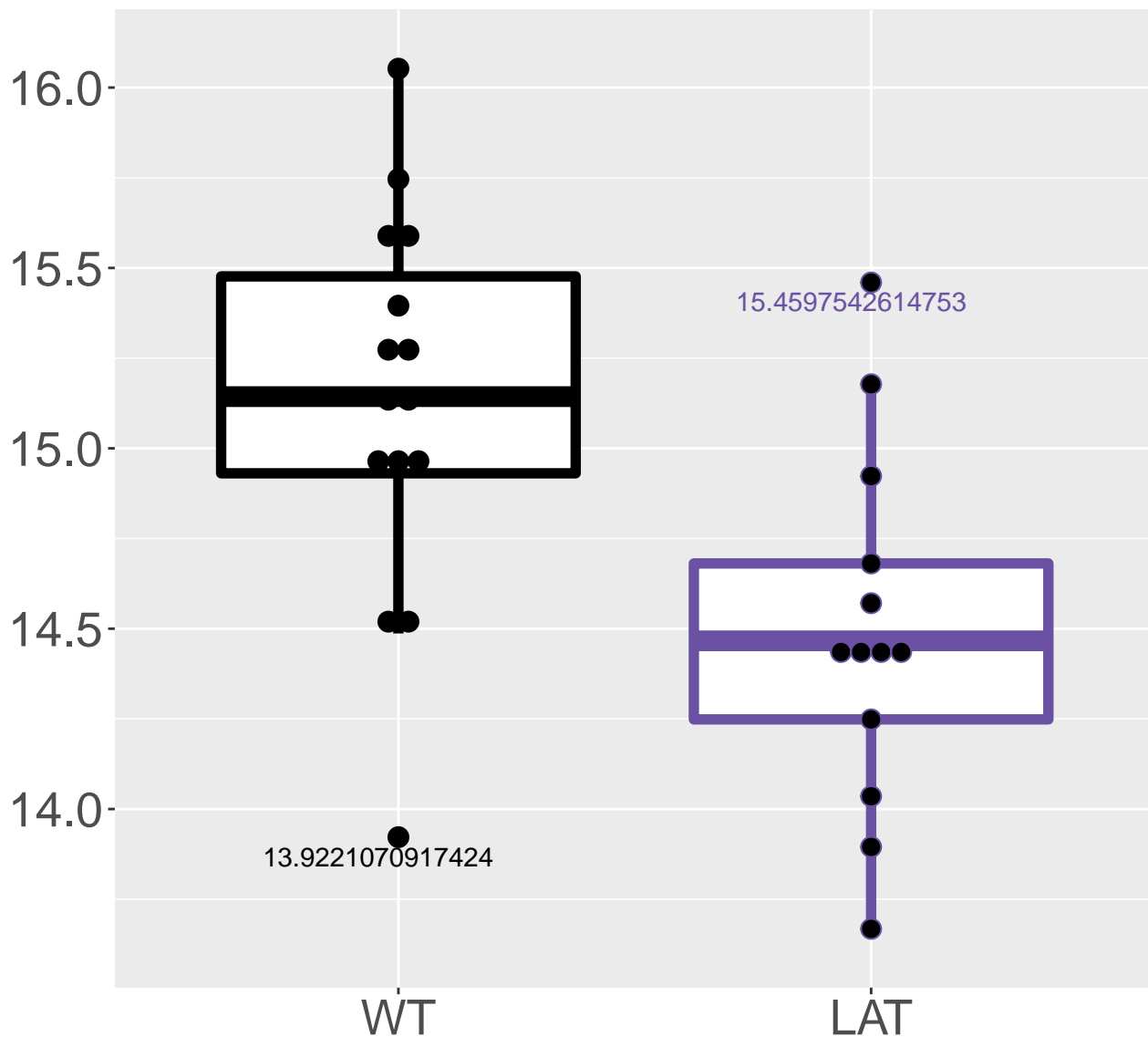




**M160.1344T113.19\_31**  
**FDR = 0.0058, FC = -0.57**

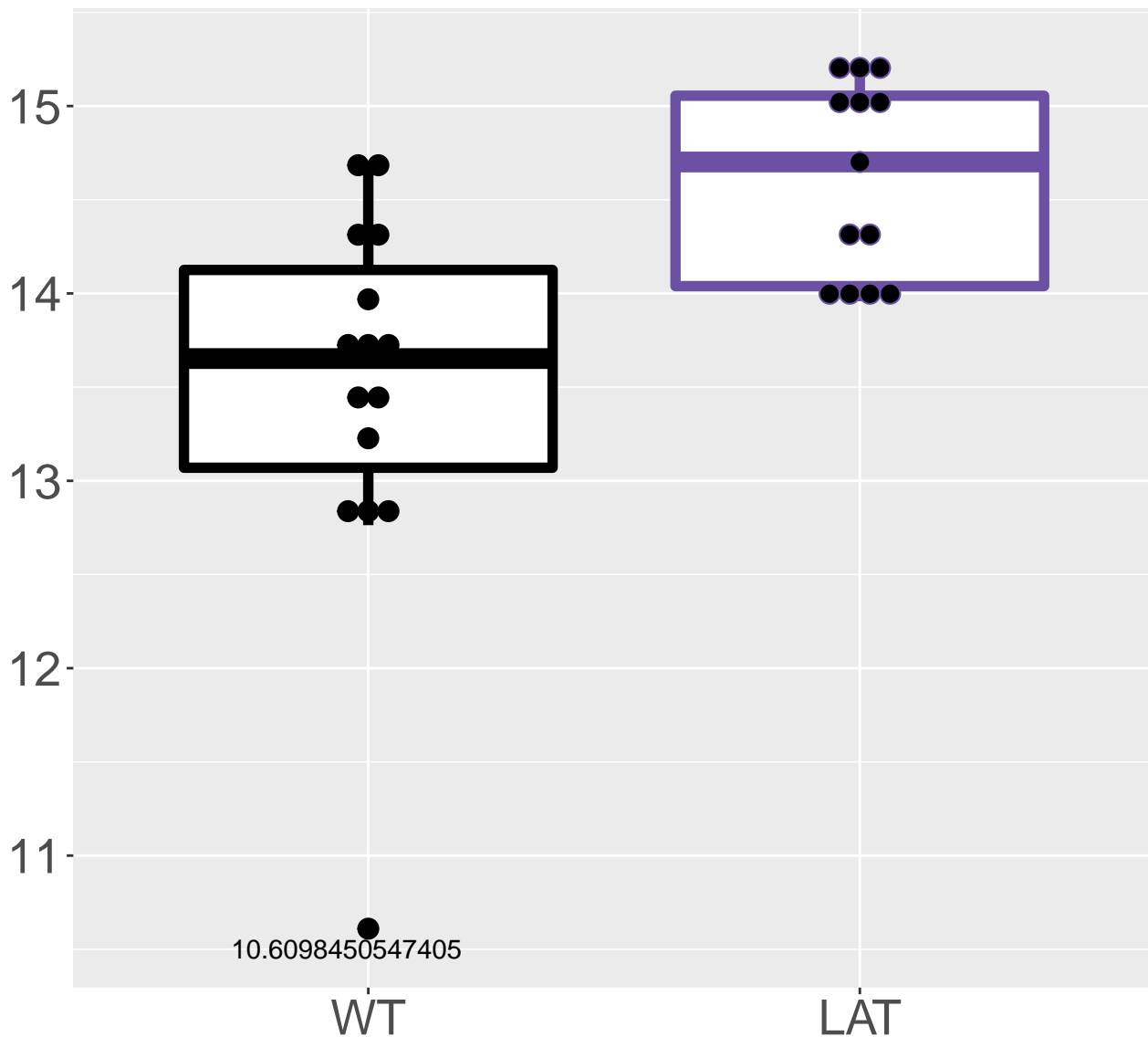


**M533.0501T346.52\_1**  
**FDR = 0.0059, FC = -0.64**

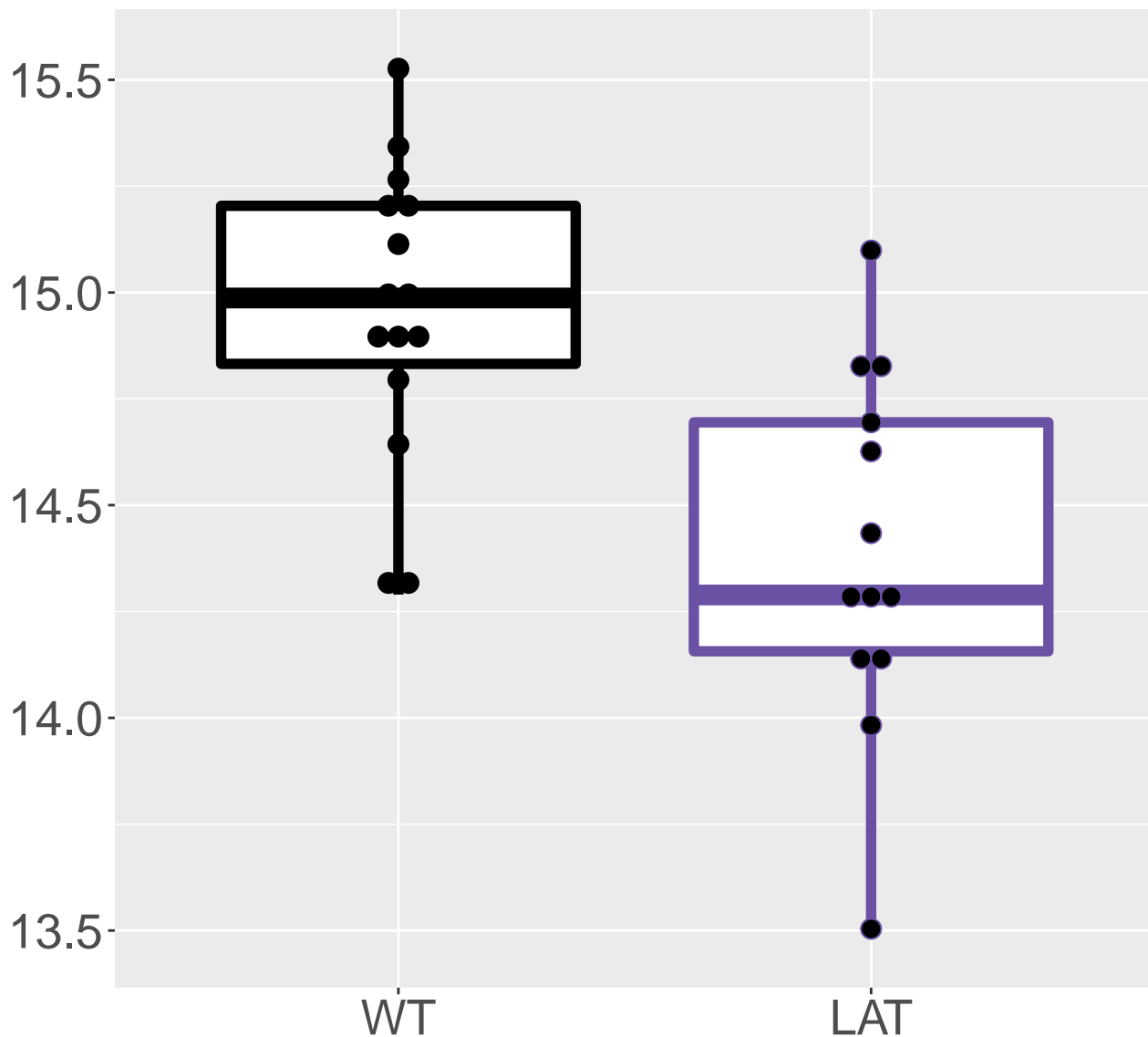


**M489.1905T245.44**

**FDR = 0.0059, FC = 1.1**

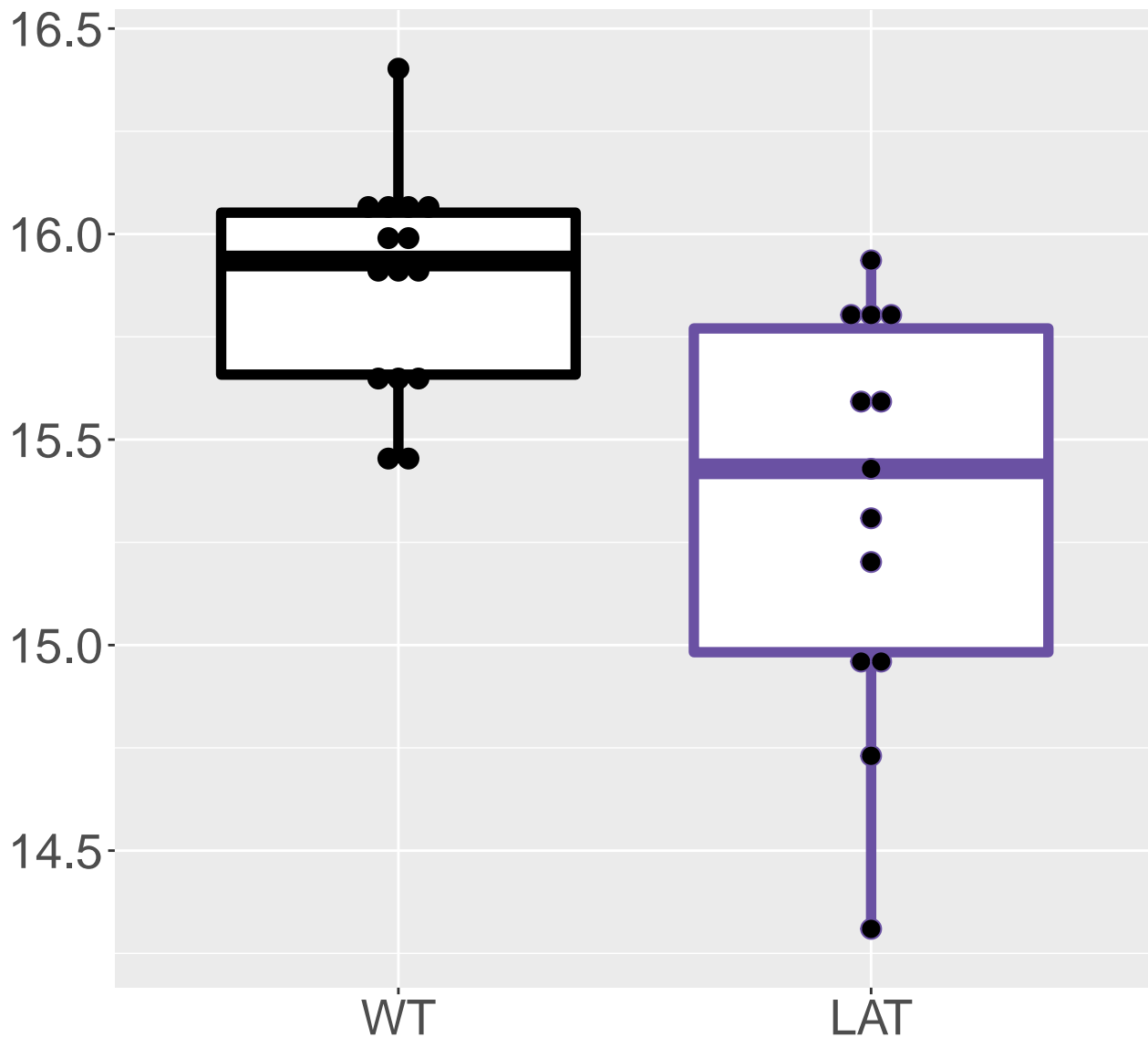


**M649.0261T357.37\_3**  
**FDR = 0.0059, FC = -0.57**

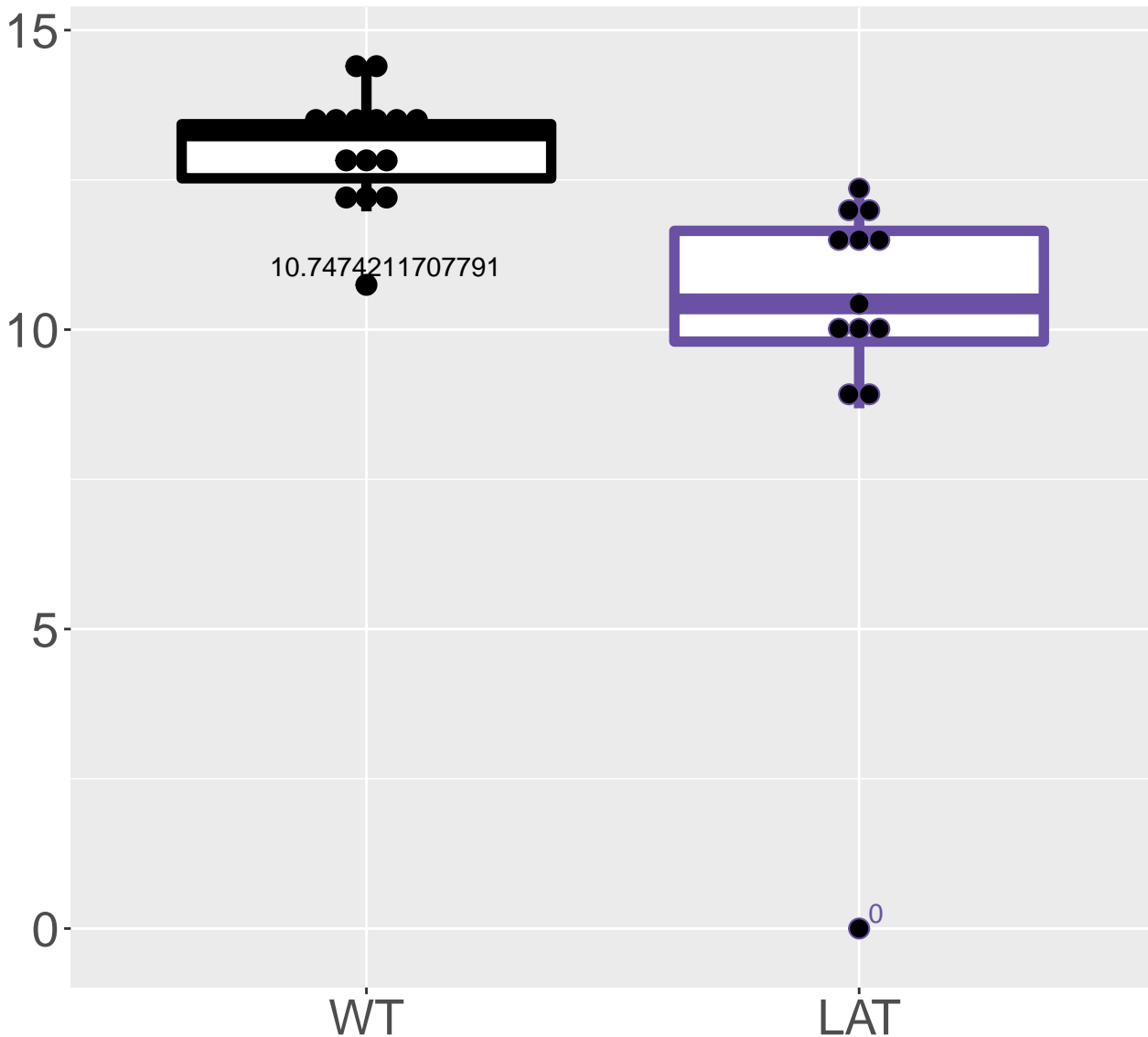


**M171.6026T113.19\_4**

**FDR = 0.0059, FC = -0.54**

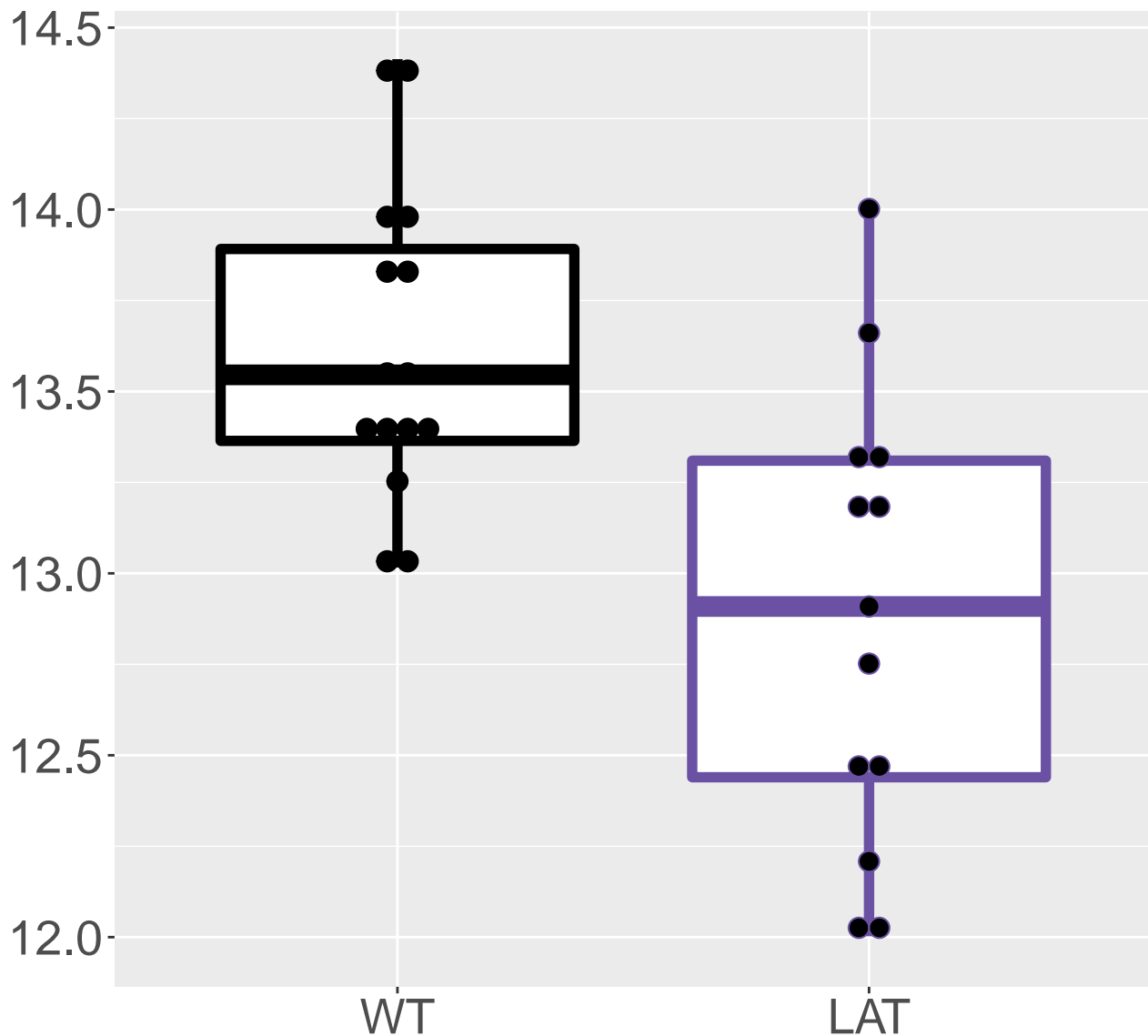


**M467.2622T241.59\_2**  
**FDR = 0.0059, FC = -3.1**

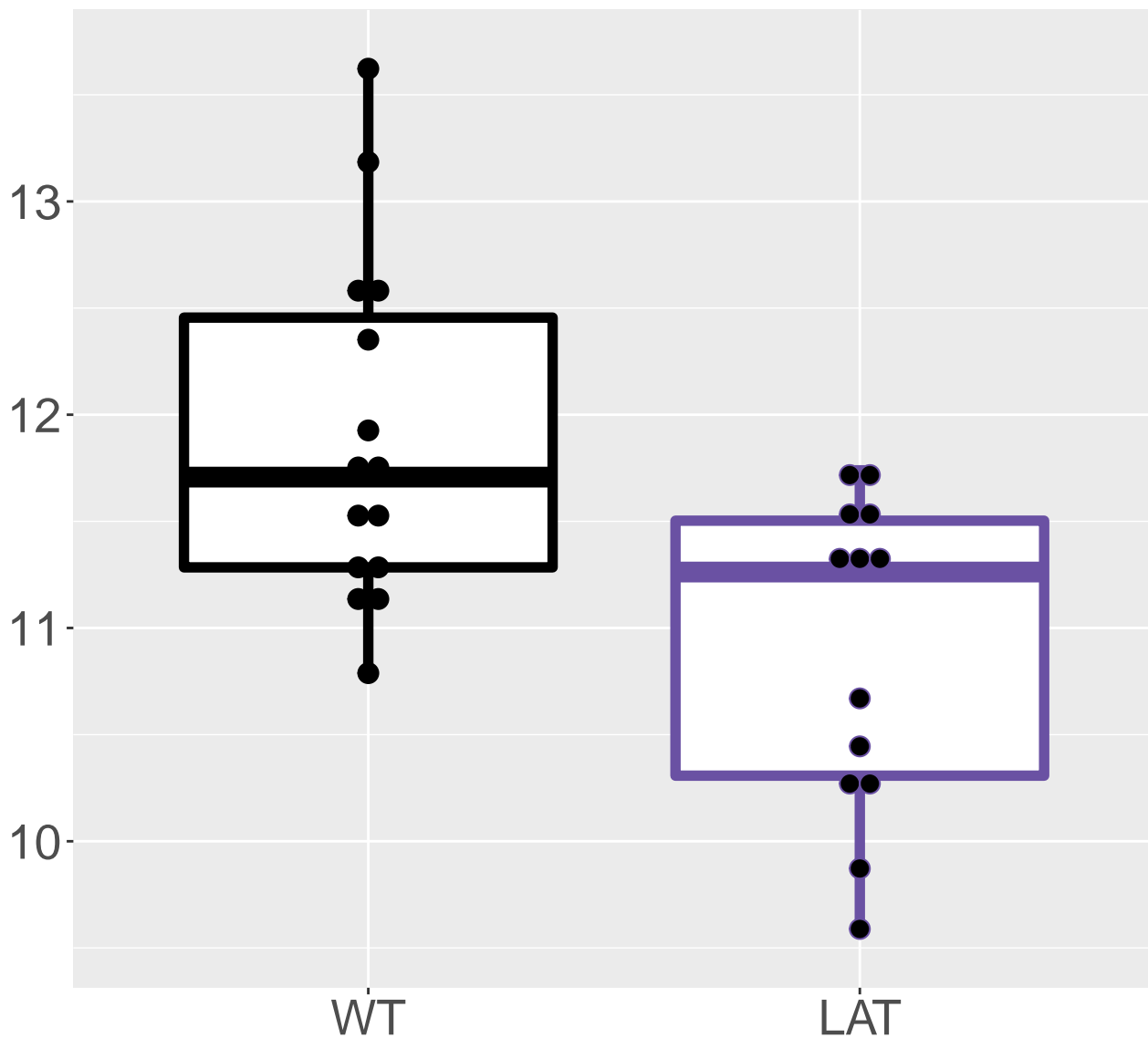


**M363.6279T282.1**

**FDR = 0.0059, FC = -0.74**



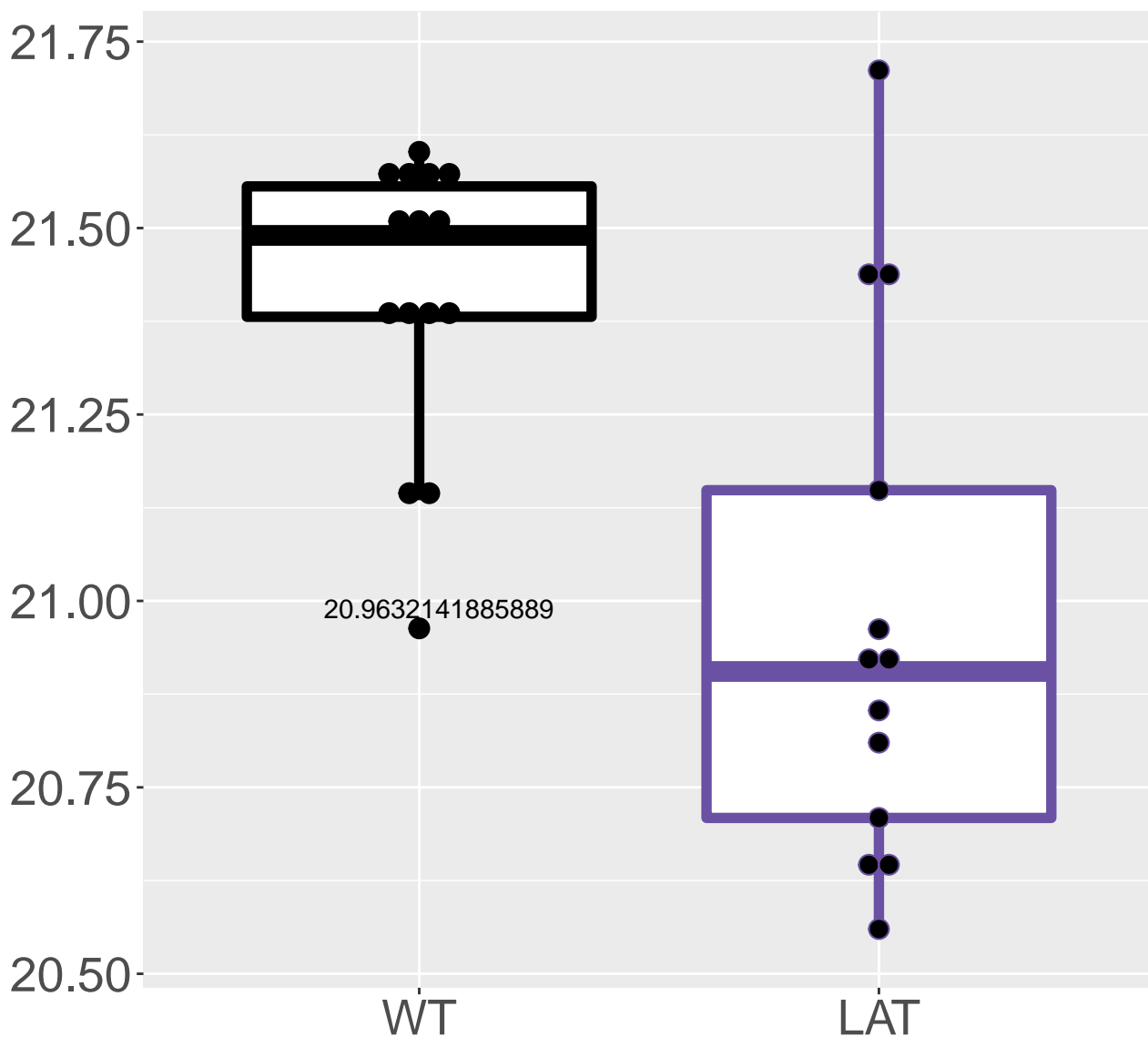
**M324.6838T242.6**  
**FDR = 0.0059, FC = -1**





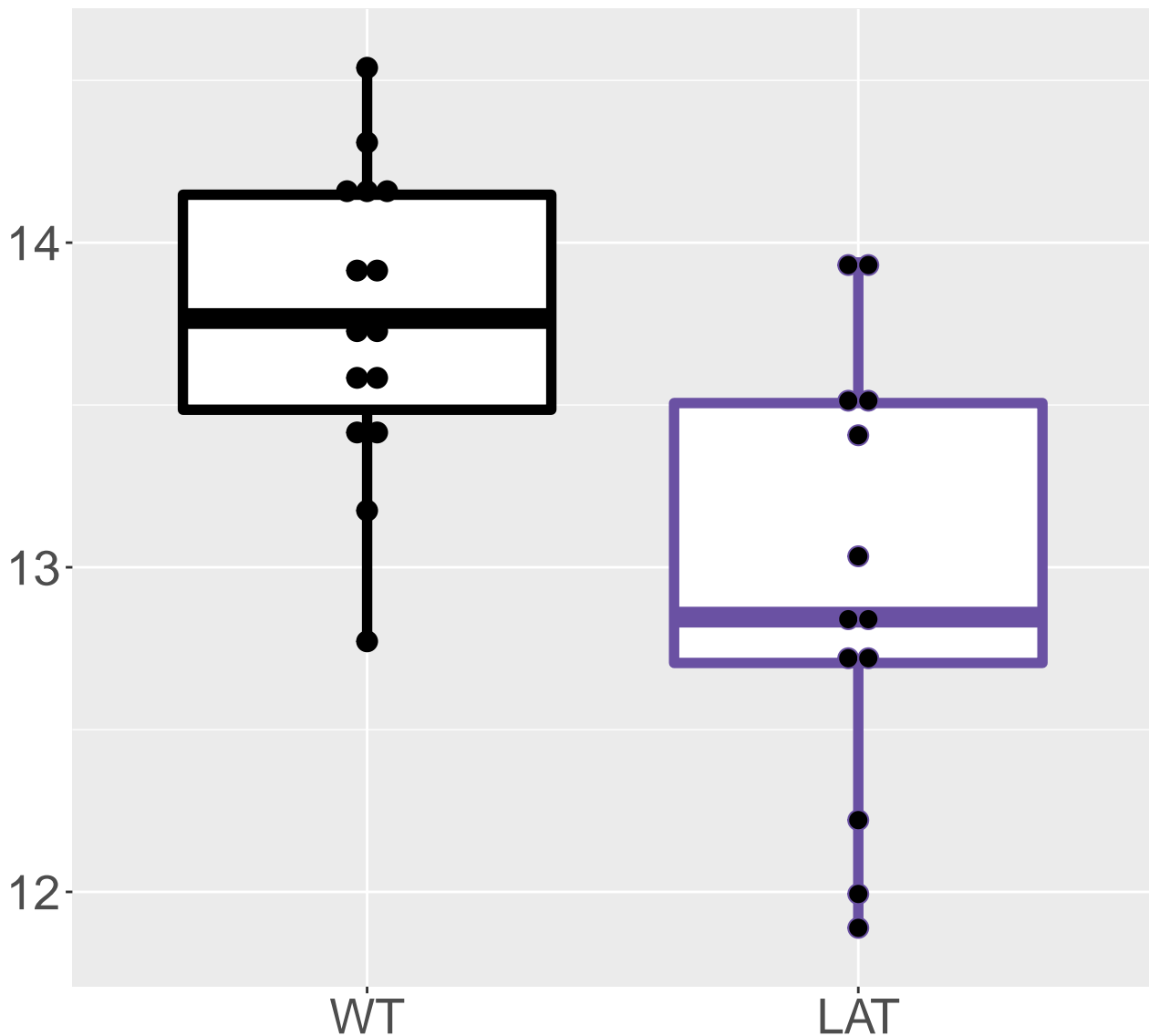
**M432.1733T48.81**

**FDR = 0.0059, FC = -0.43**



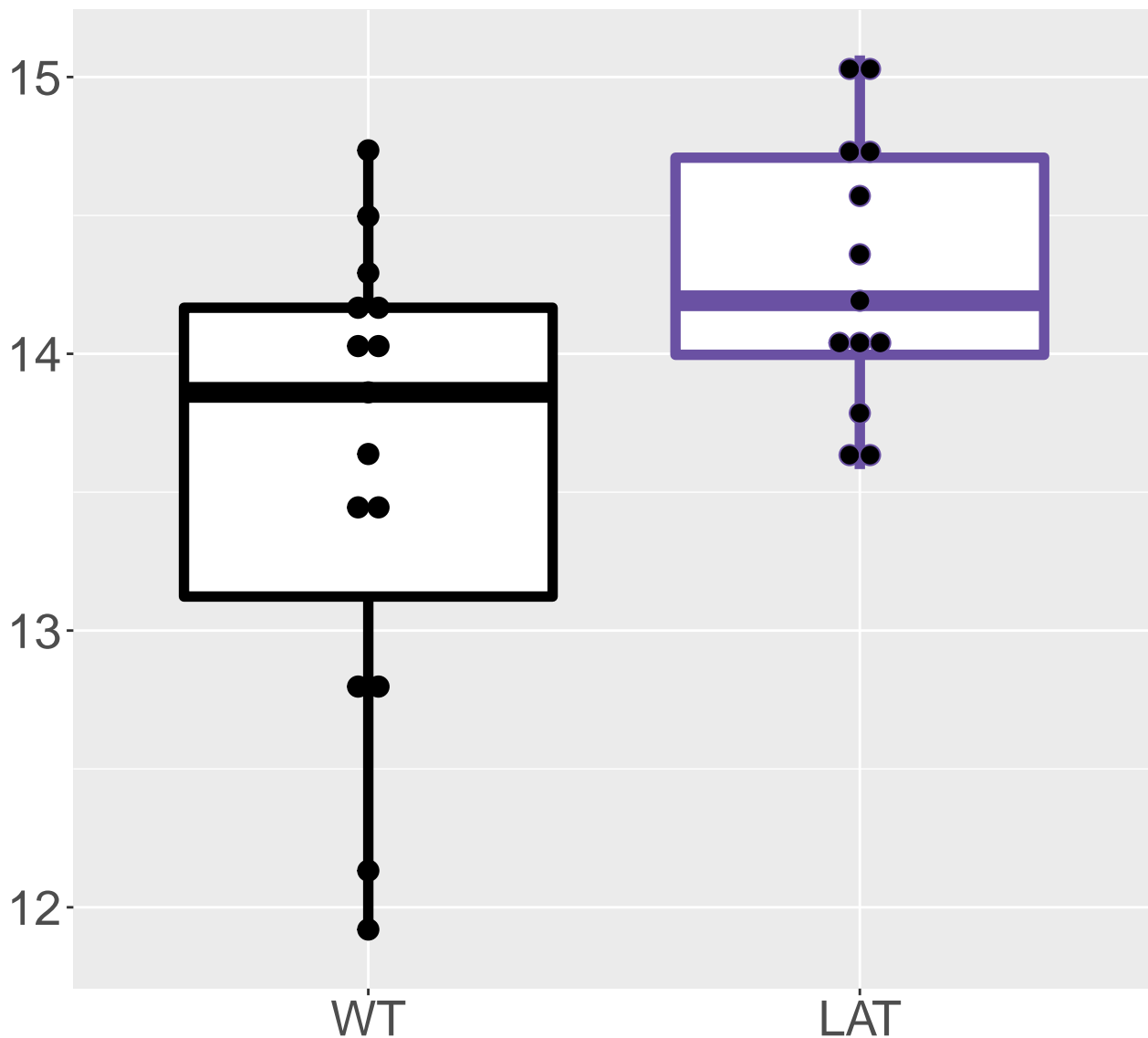
**M206.5835T229.05\_2**

**FDR = 0.0059, FC = -0.8**



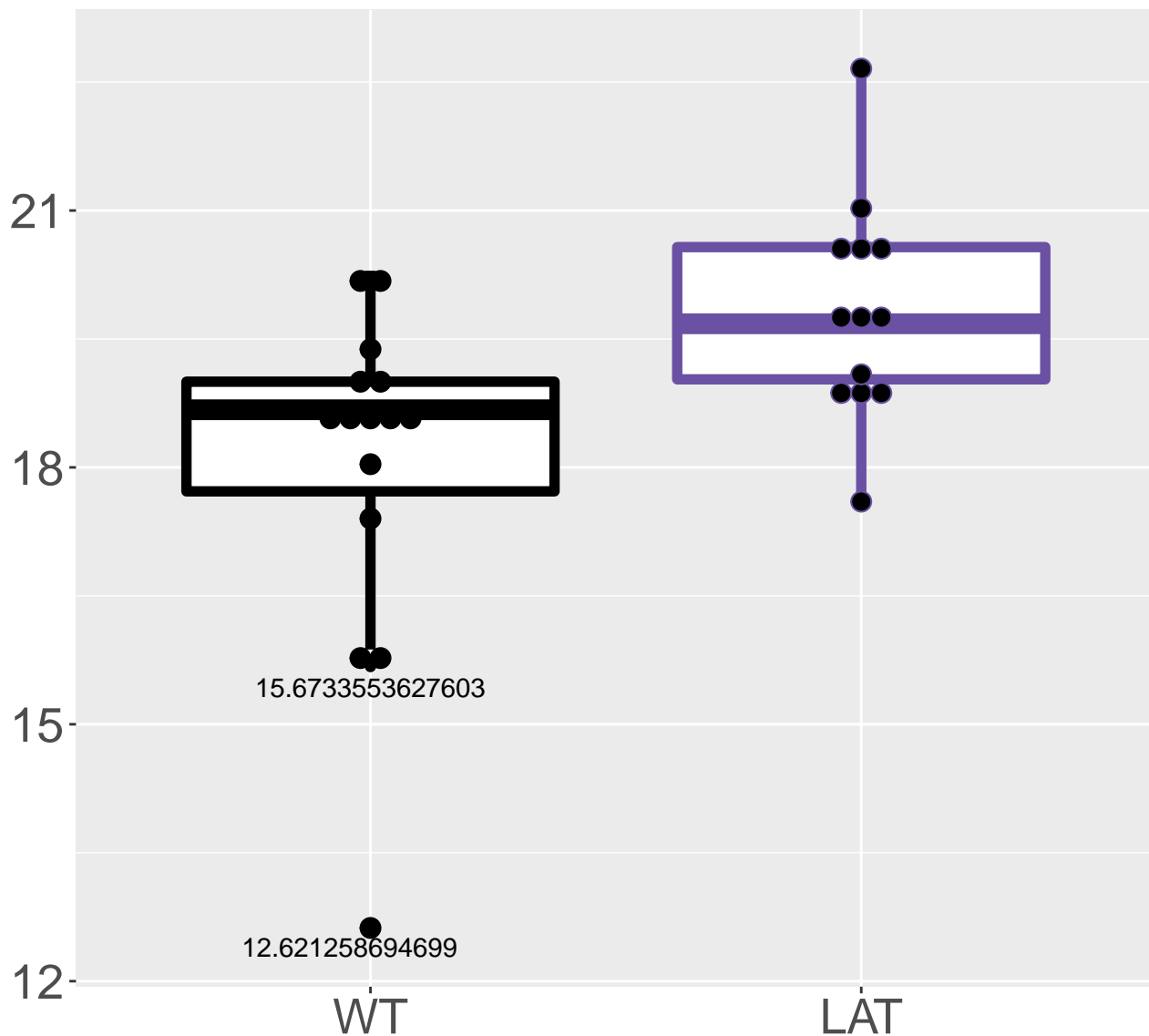
**M614.2501T487.48\_1**

**FDR = 0.0059, FC = 0.7, sex\*\***

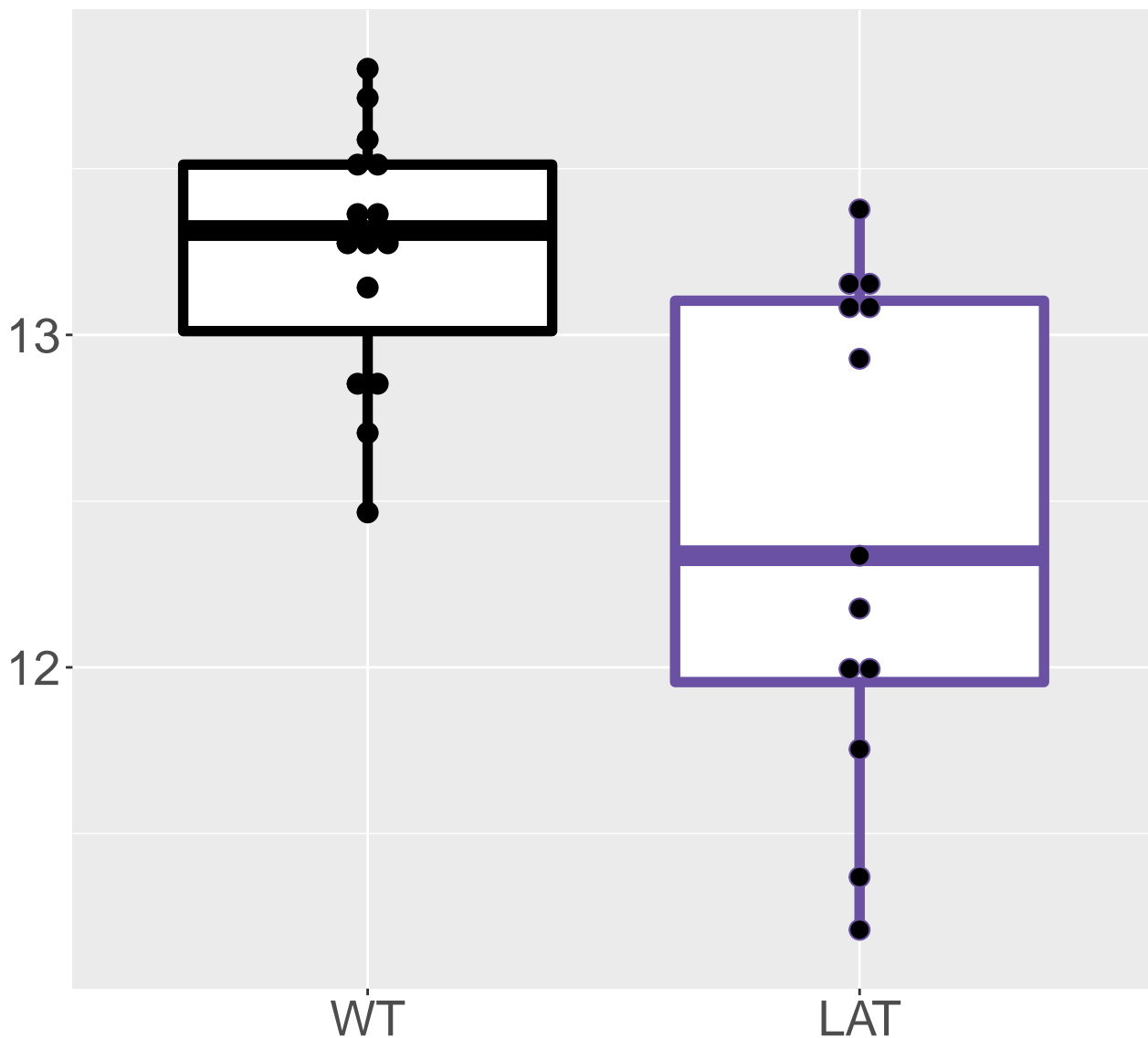


**M514.2848T464.63**

**FDR = 0.0059, FC = 1.8, sex\***

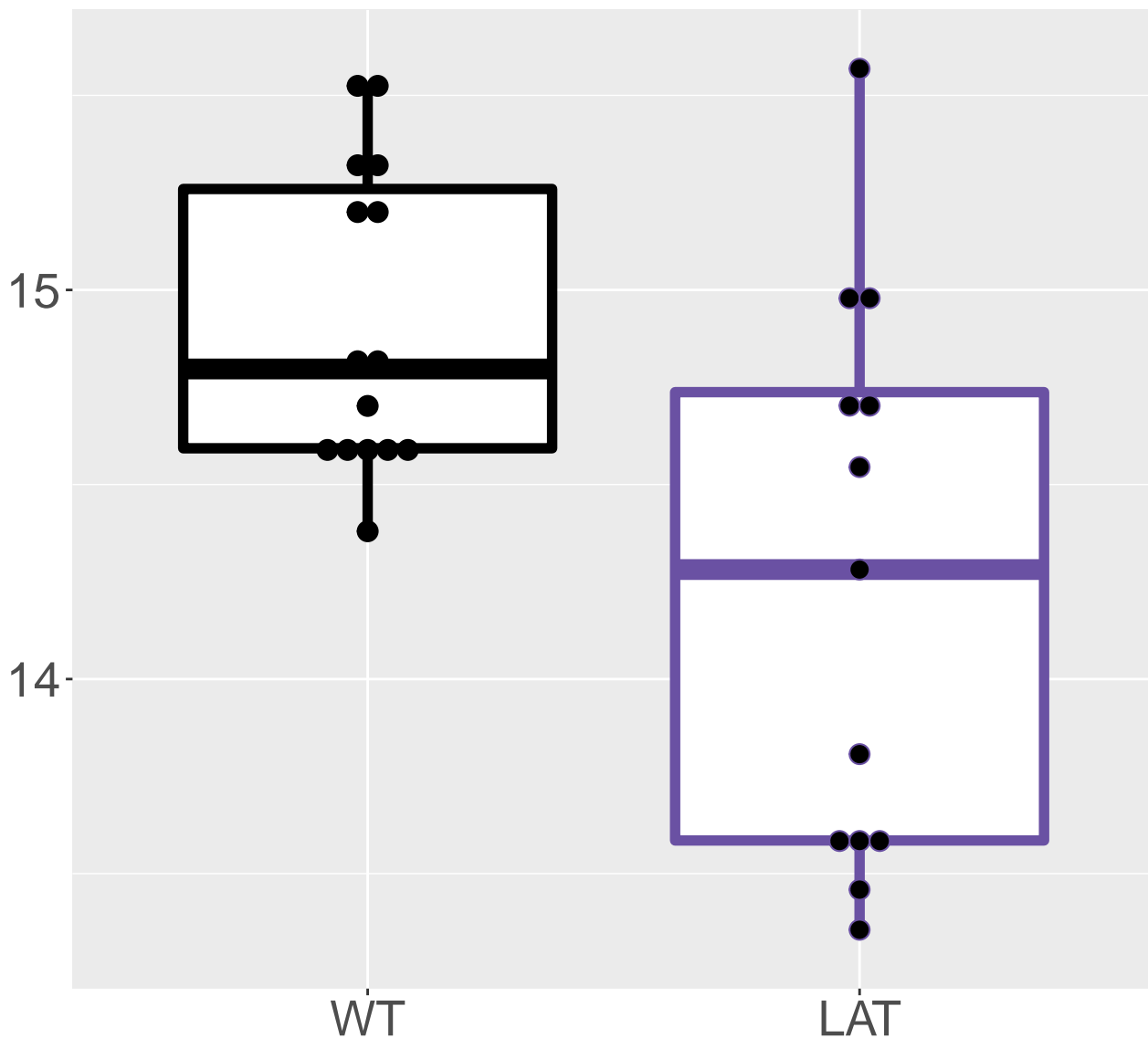


**M209.0534T229.05\_5**  
**FDR = 0.0059, FC = -0.81**



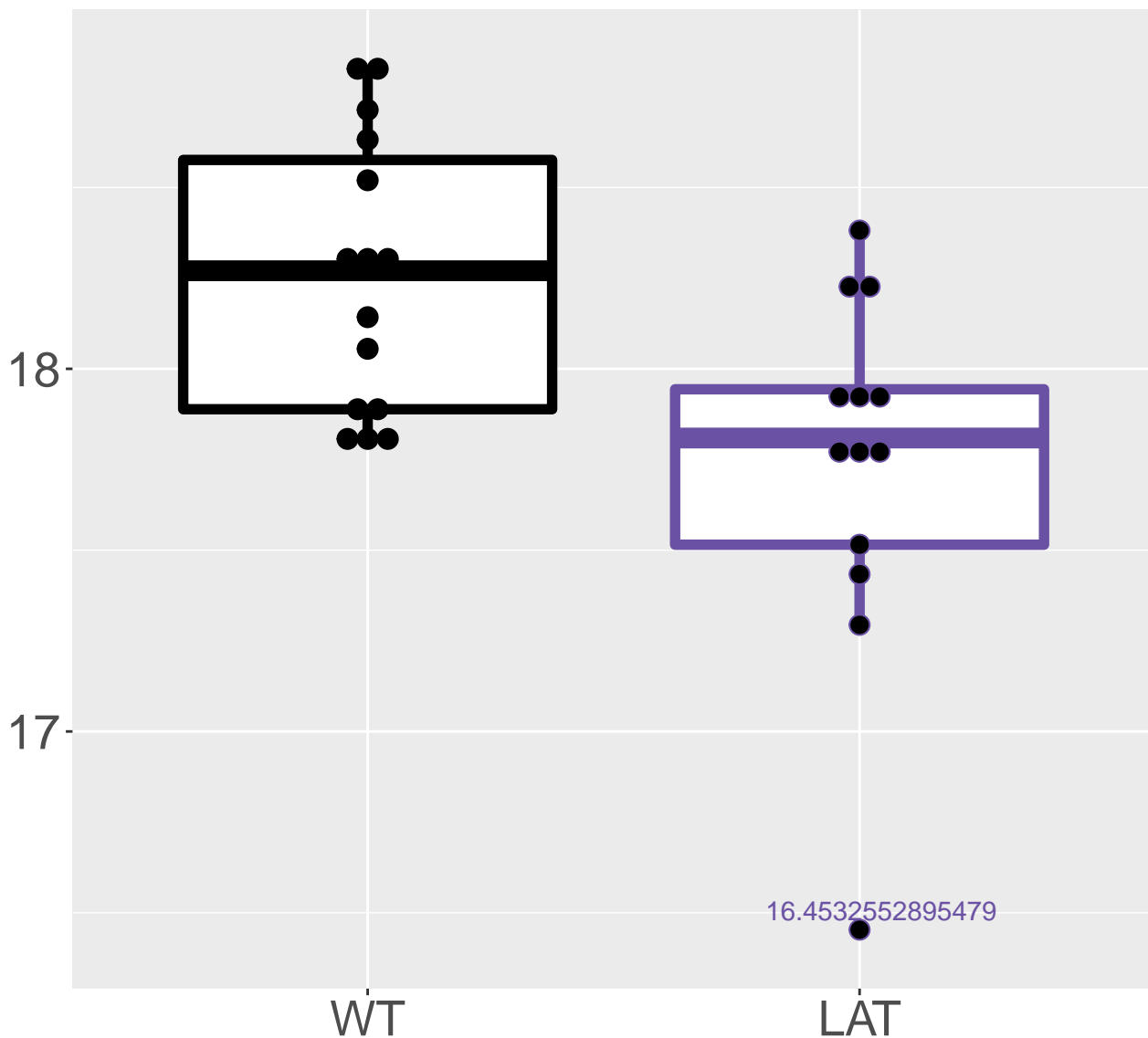
**M519.9966T138.11\_1**

**FDR = 0.0059, FC = -0.68, sex\*\***

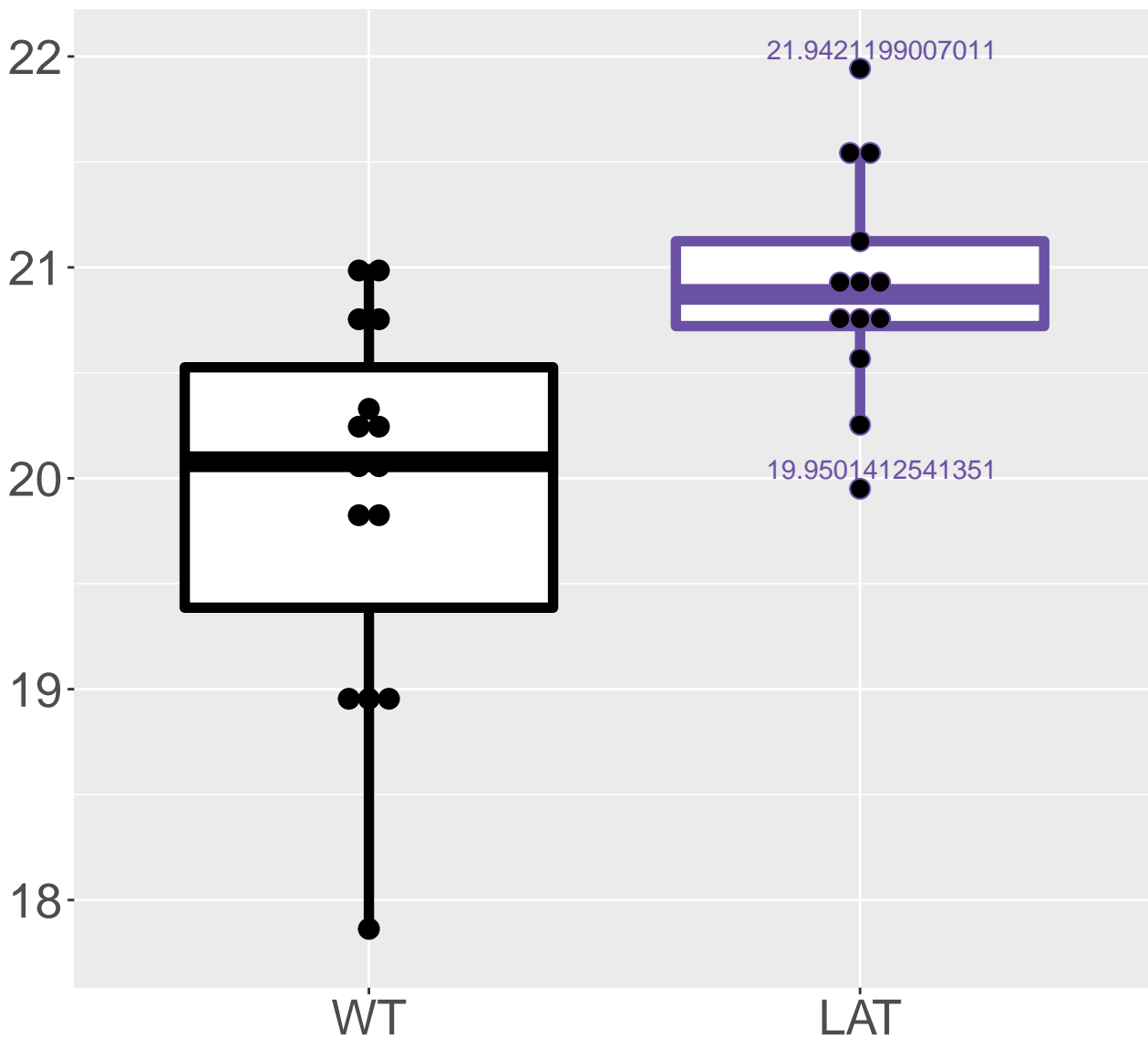


**M578.3055T298.16\_3**

**FDR = 0.0059, FC = -0.51, sex\*\***

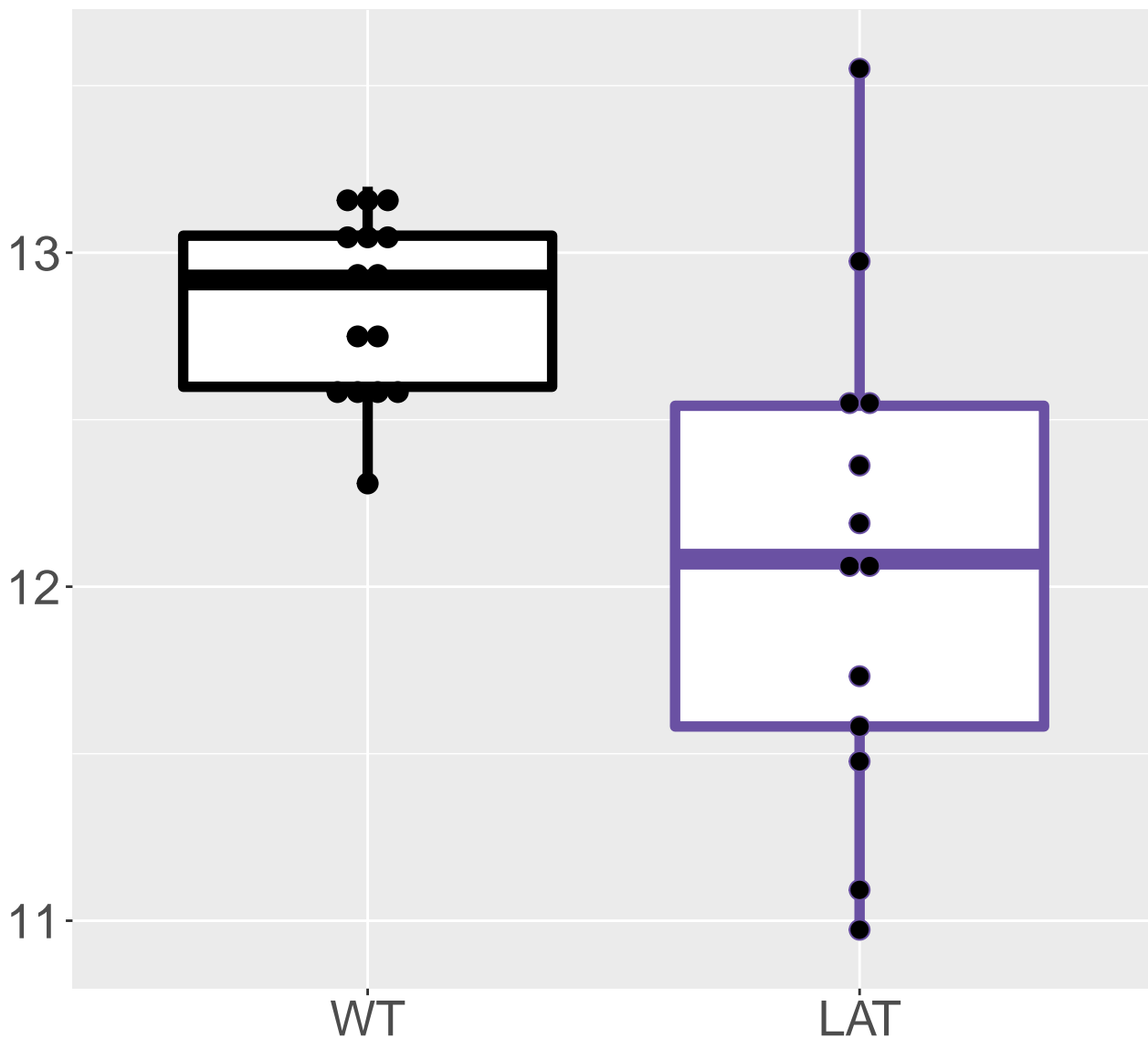


**gamma-Glutamylcysteine;L-gamma-glutamyl-**  
**FDR = 0.0059, FC = 1**



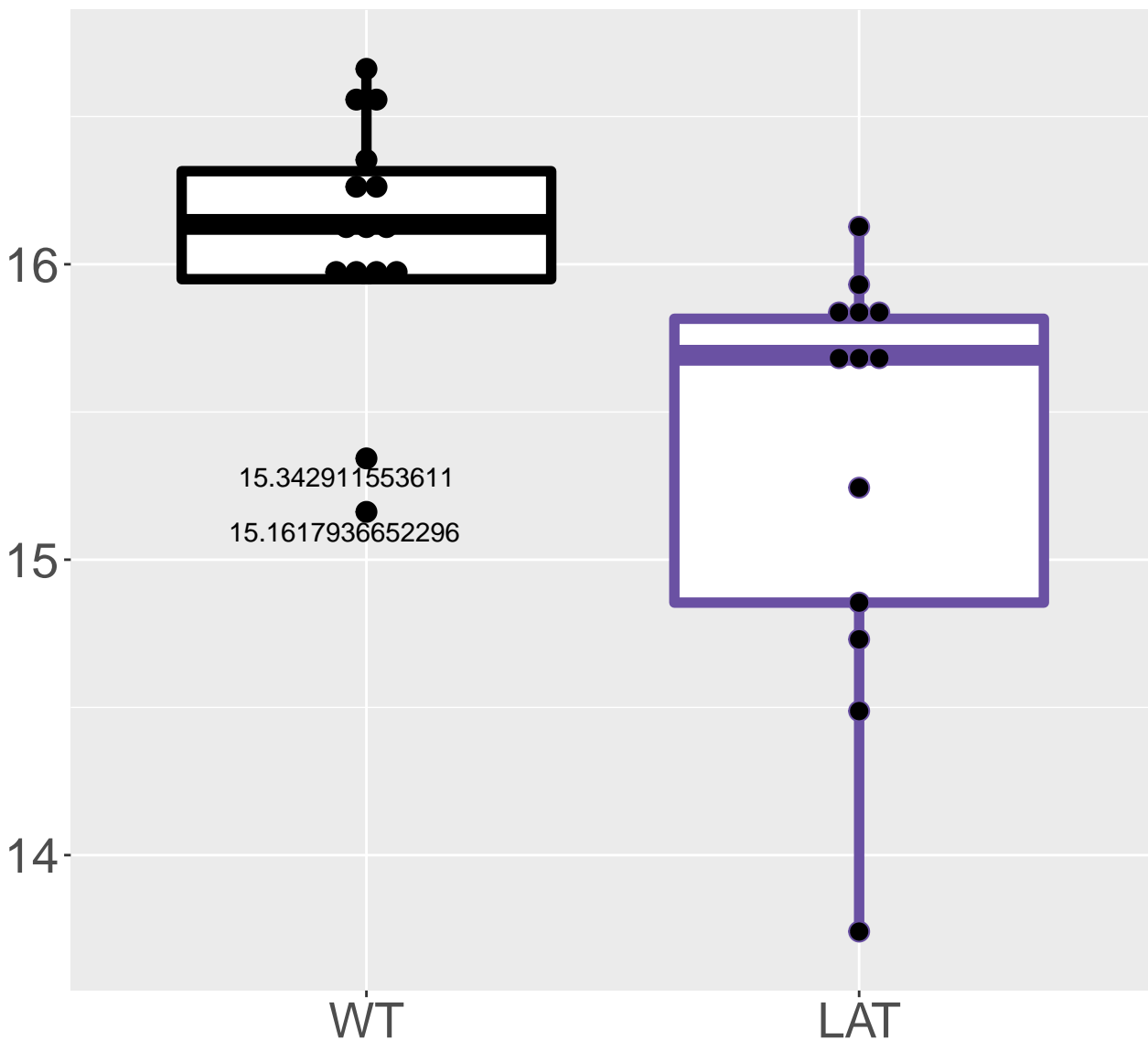


**M453.0301T305.77\_1**  
**FDR = 0.0059, FC = -0.75**

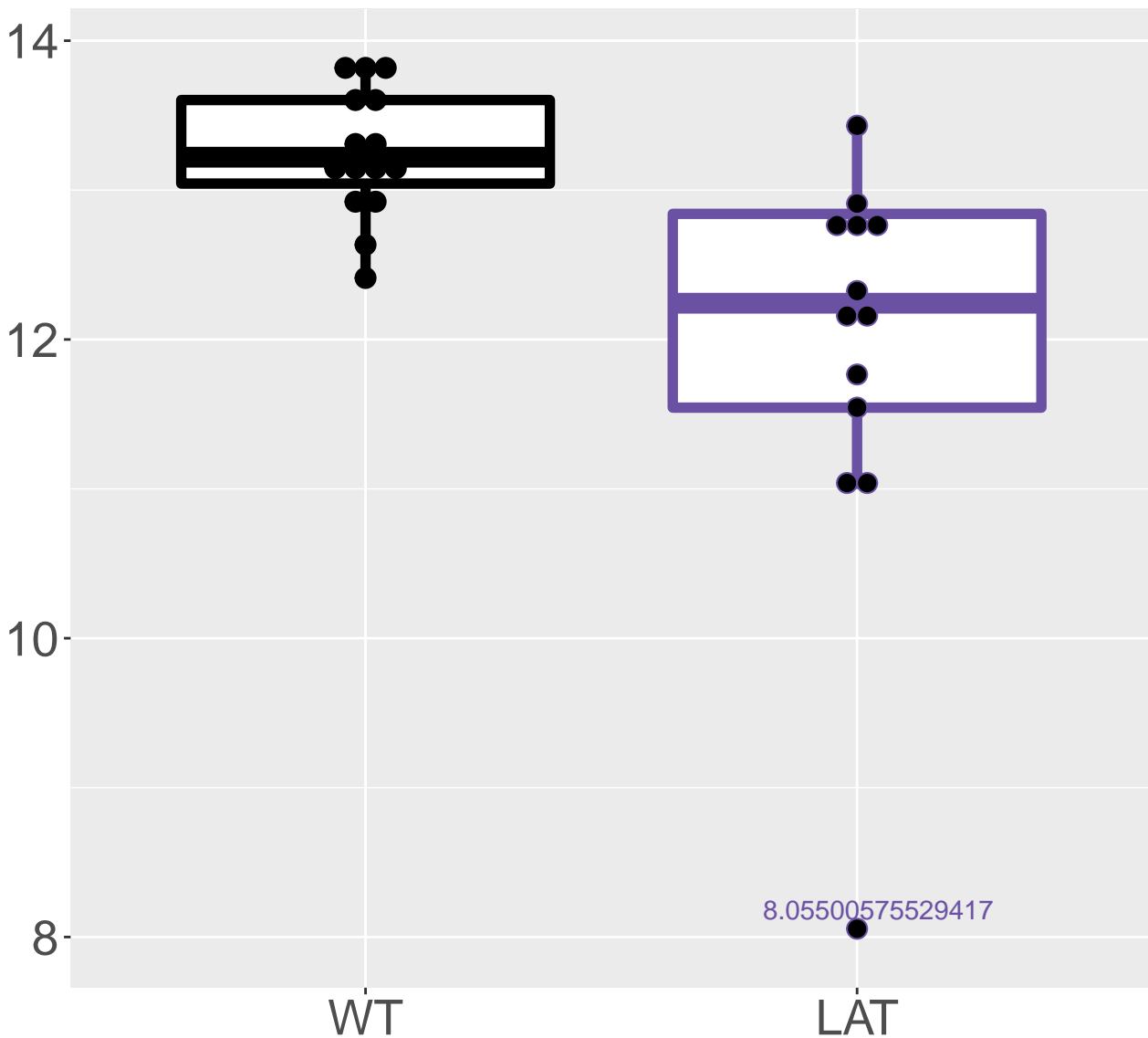


**M170.3674T113.12\_42**

**FDR = 0.0059, FC = -0.73**

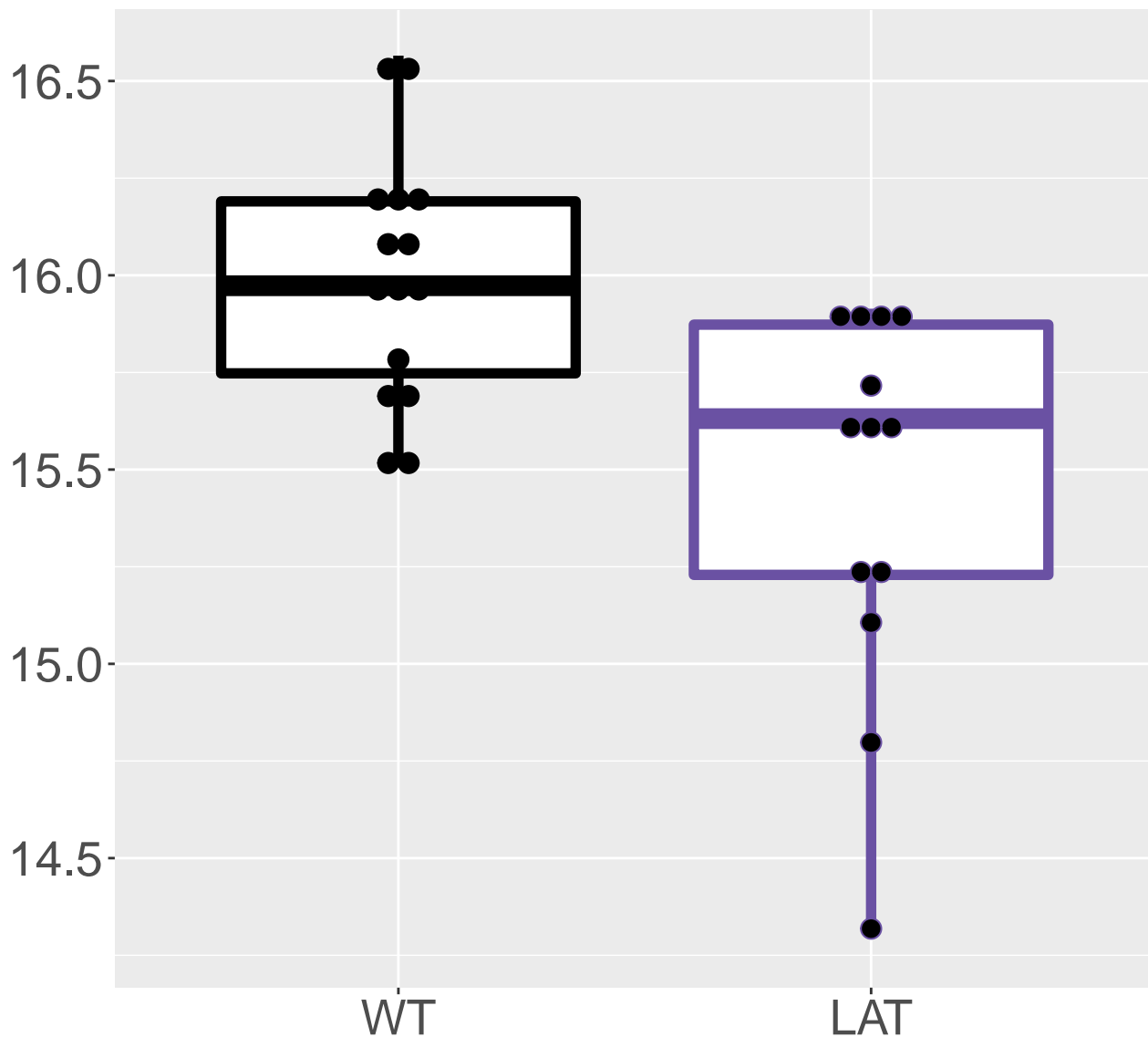


**M487.7676T315.42\_2**  
**FDR = 0.0059, FC = -1.3**

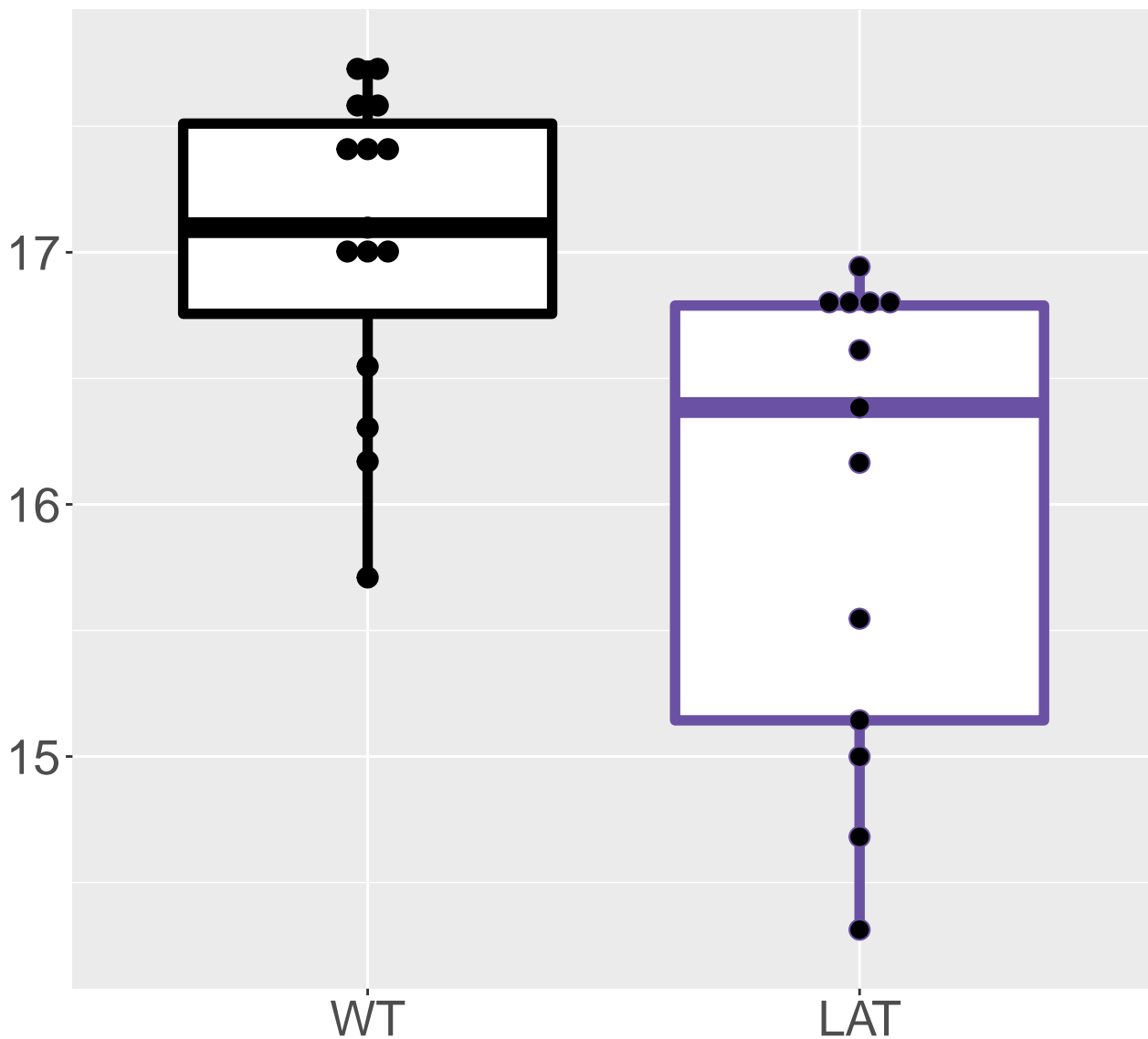


**M160.0779T113.2\_28**

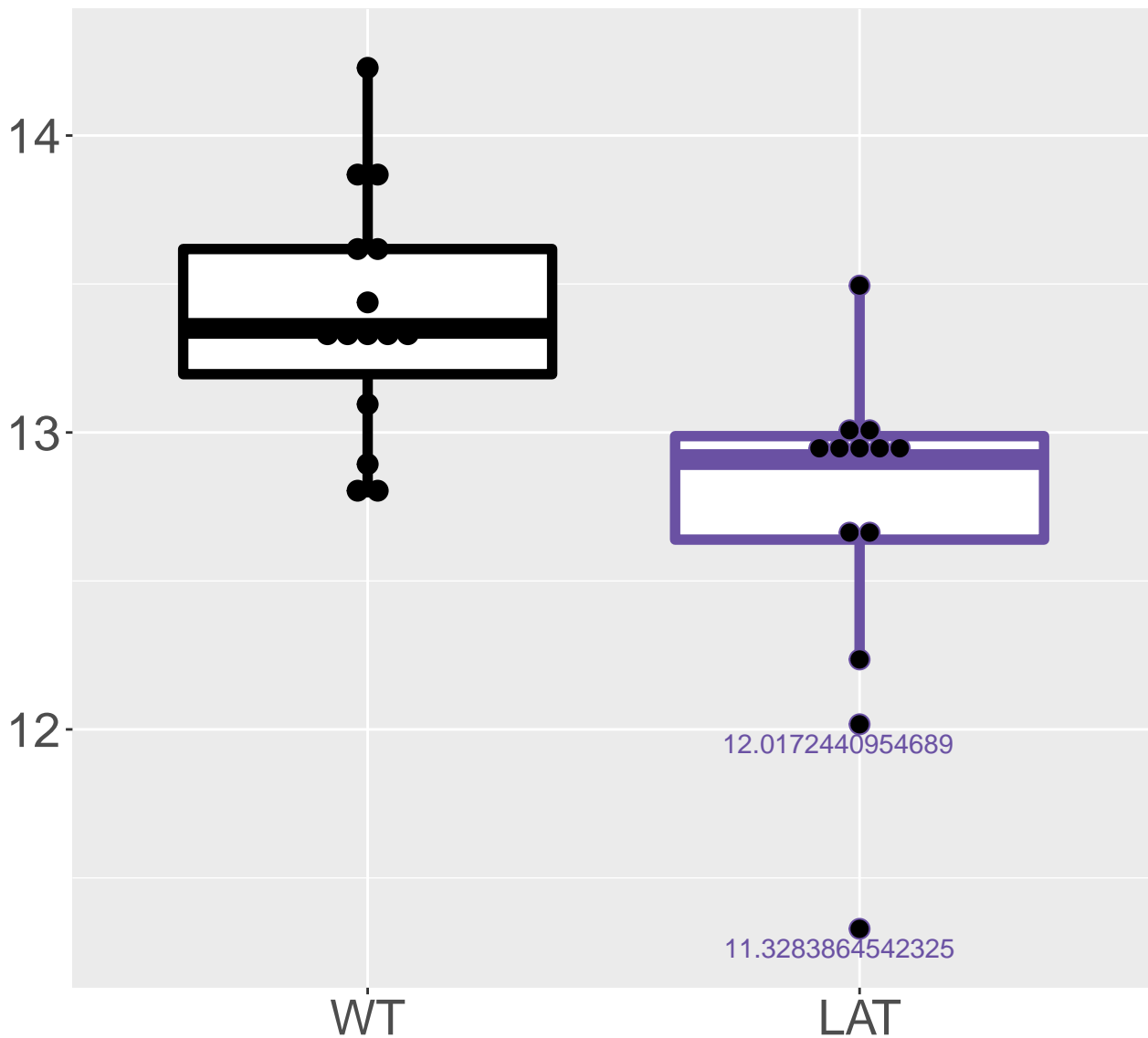
**FDR = 0.0059, FC = -0.54**



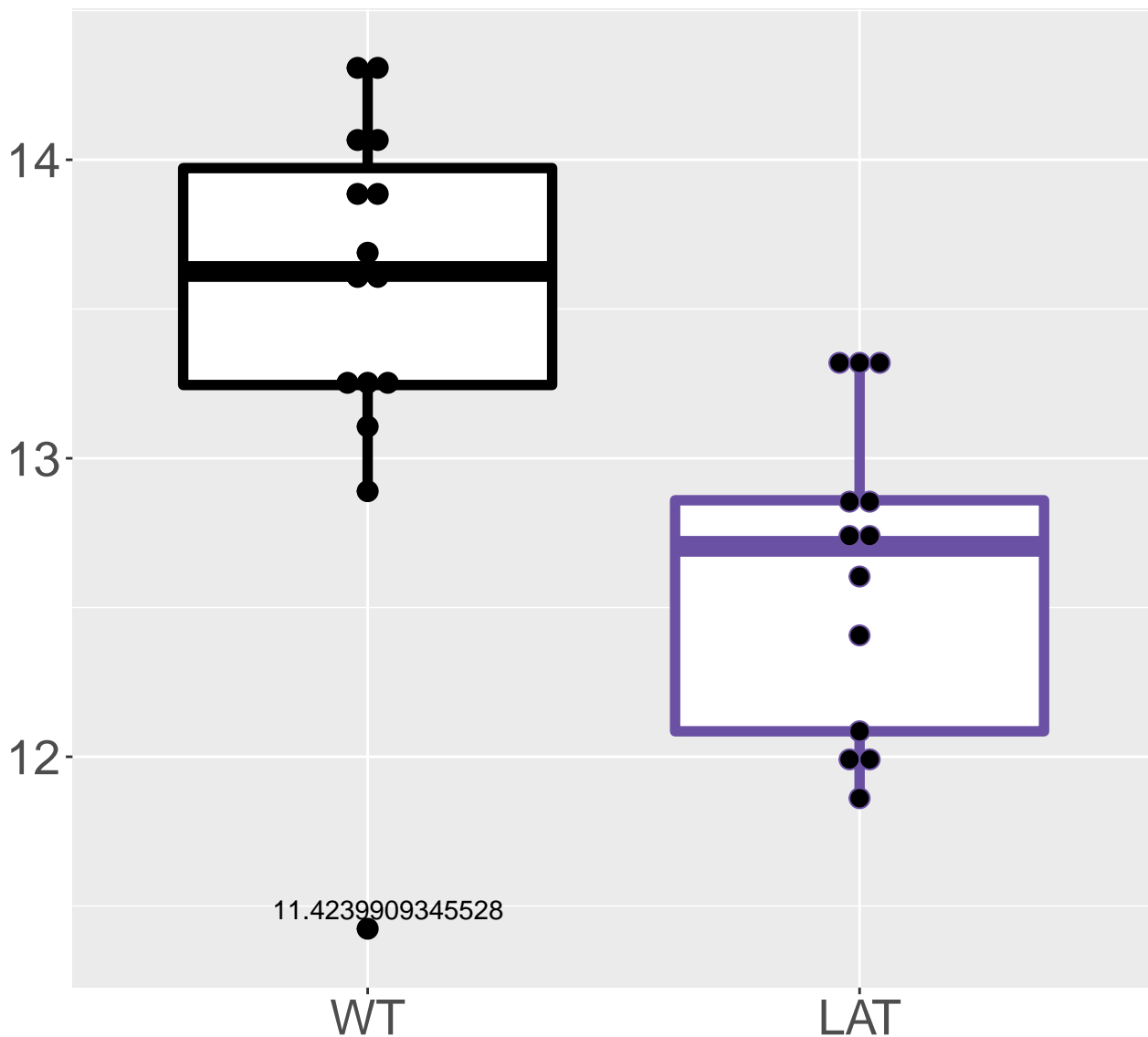
**M133.5629T75.49\_2**  
**FDR = 0.0059, FC = -1**



**M539.0688T296.81\_1**  
**FDR = 0.0059, FC = -0.69**

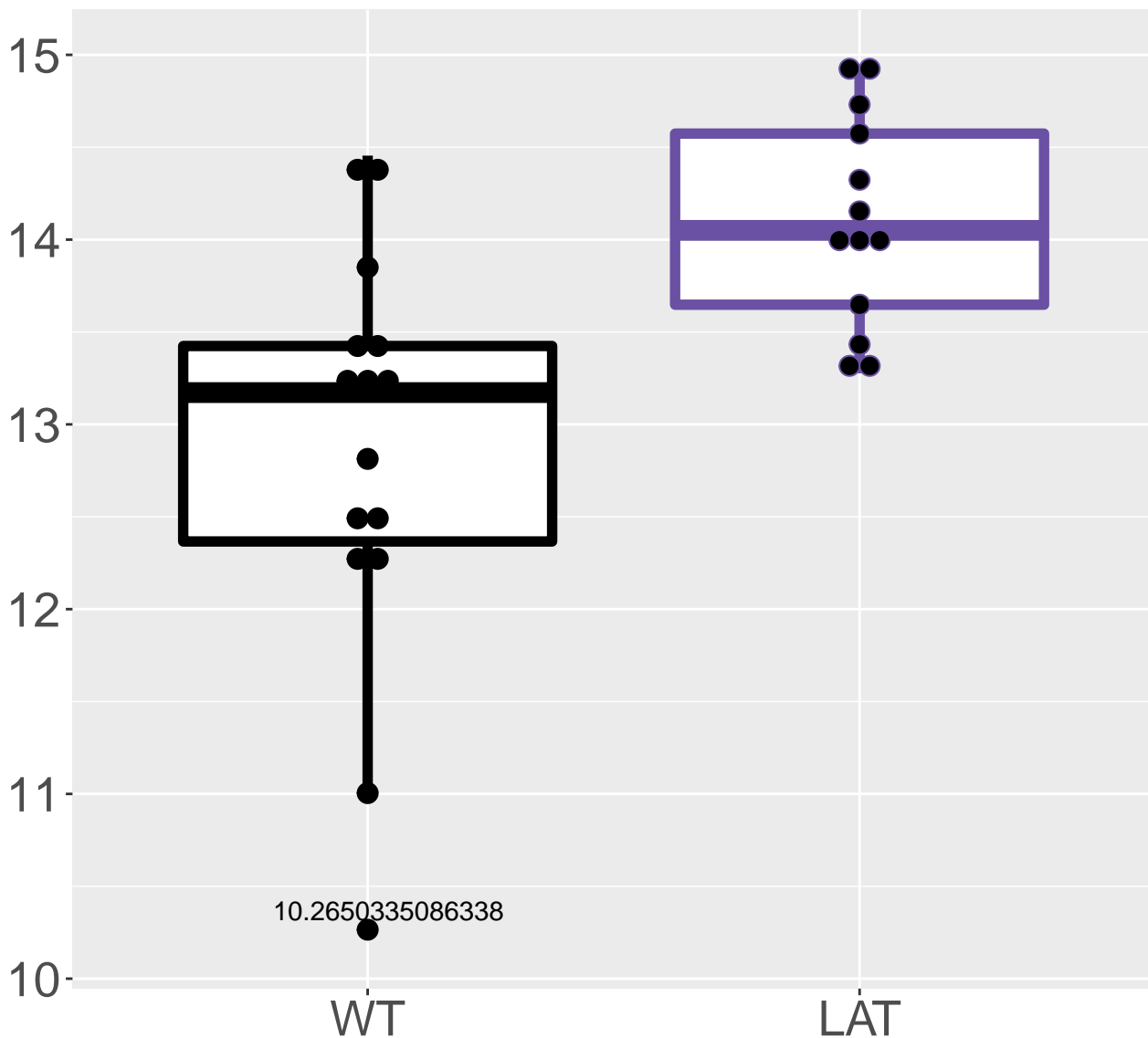


**M583.8265T338.52\_1**  
**FDR = 0.0059, FC = -0.89**



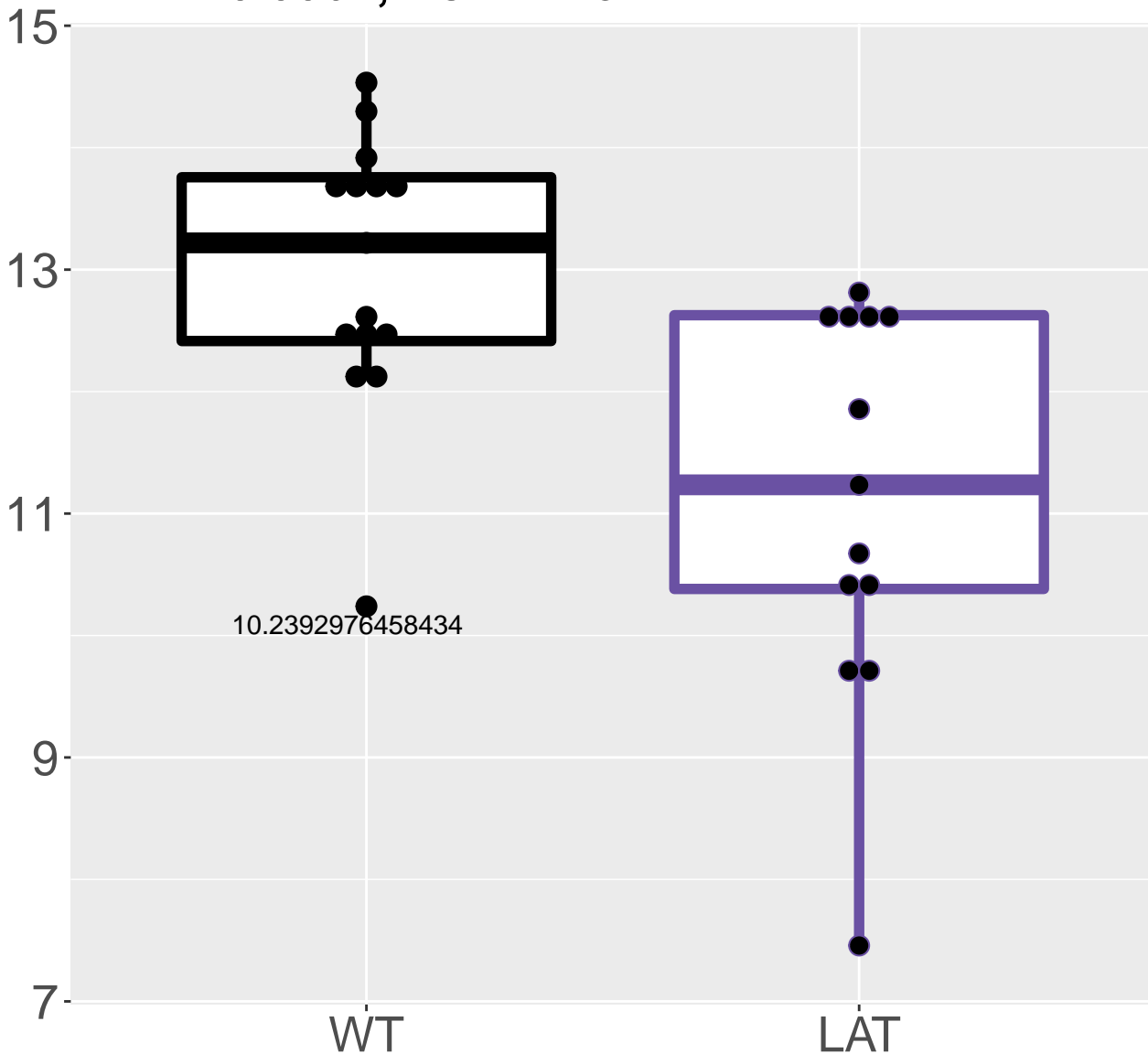
**M381.8985T310.68**

**FDR = 0.006, FC = 1.3**

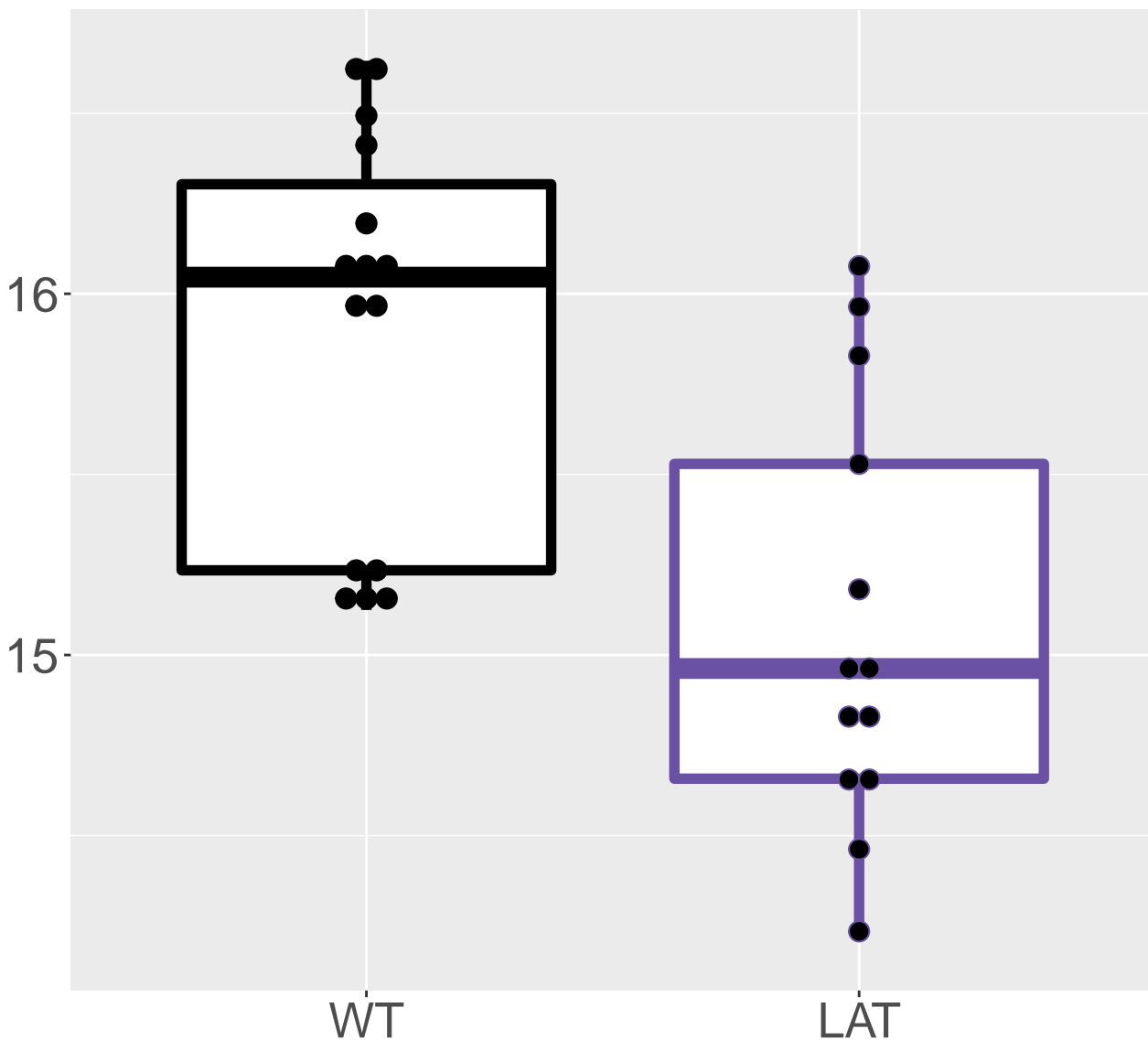




**M471.7631T246.75\_1**  
**FDR = 0.0061, FC = -1.9**

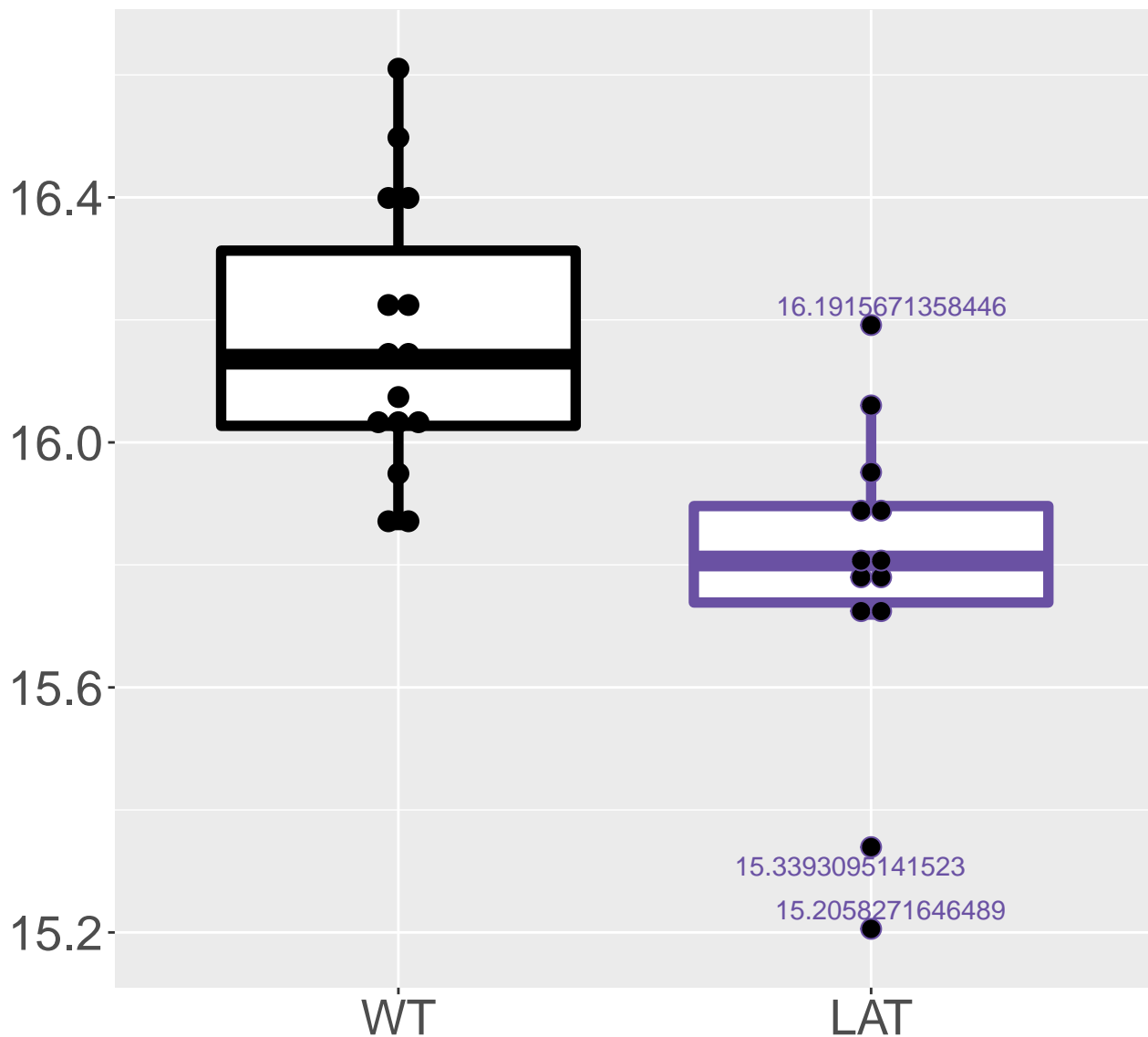


**M169.8423T113.22\_15**  
**FDR = 0.0061, FC = -0.81**



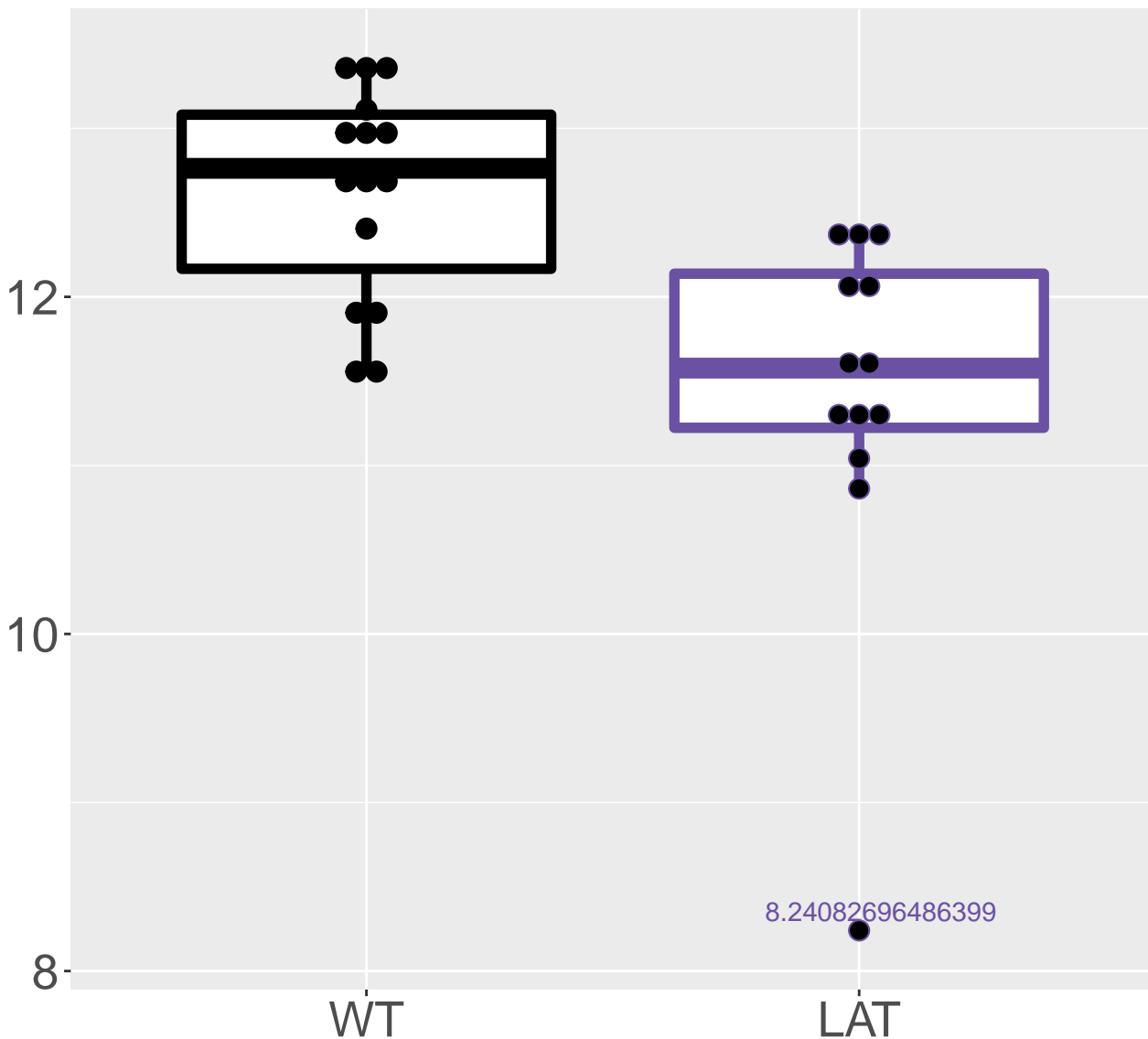
**M373.86T113.19**

**FDR = 0.0061, FC = -0.39**



**M464.2169T306.5**

**FDR = 0.0061, FC = -1.2**



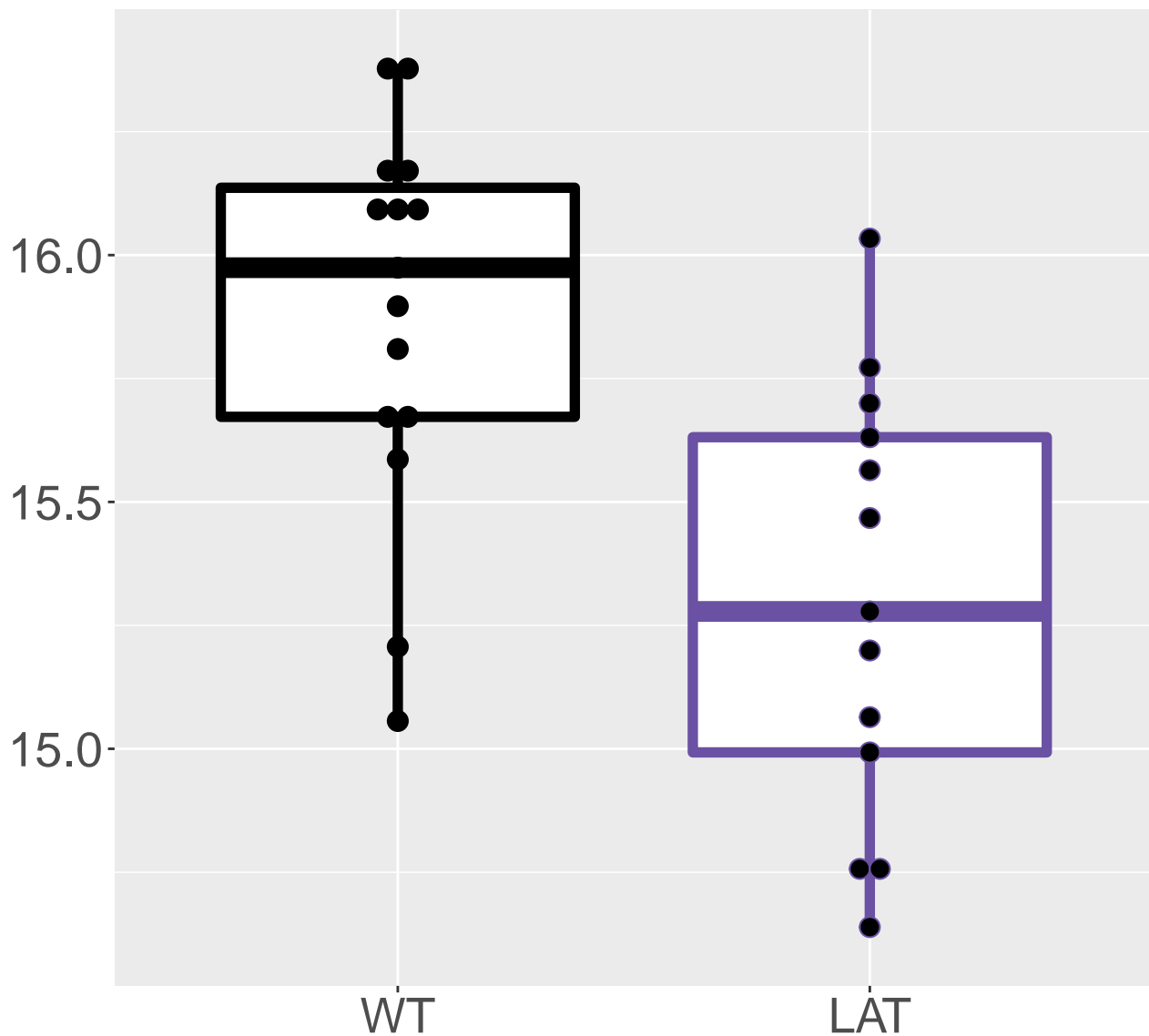


**FDR = 0.0061, FC = 0.99**

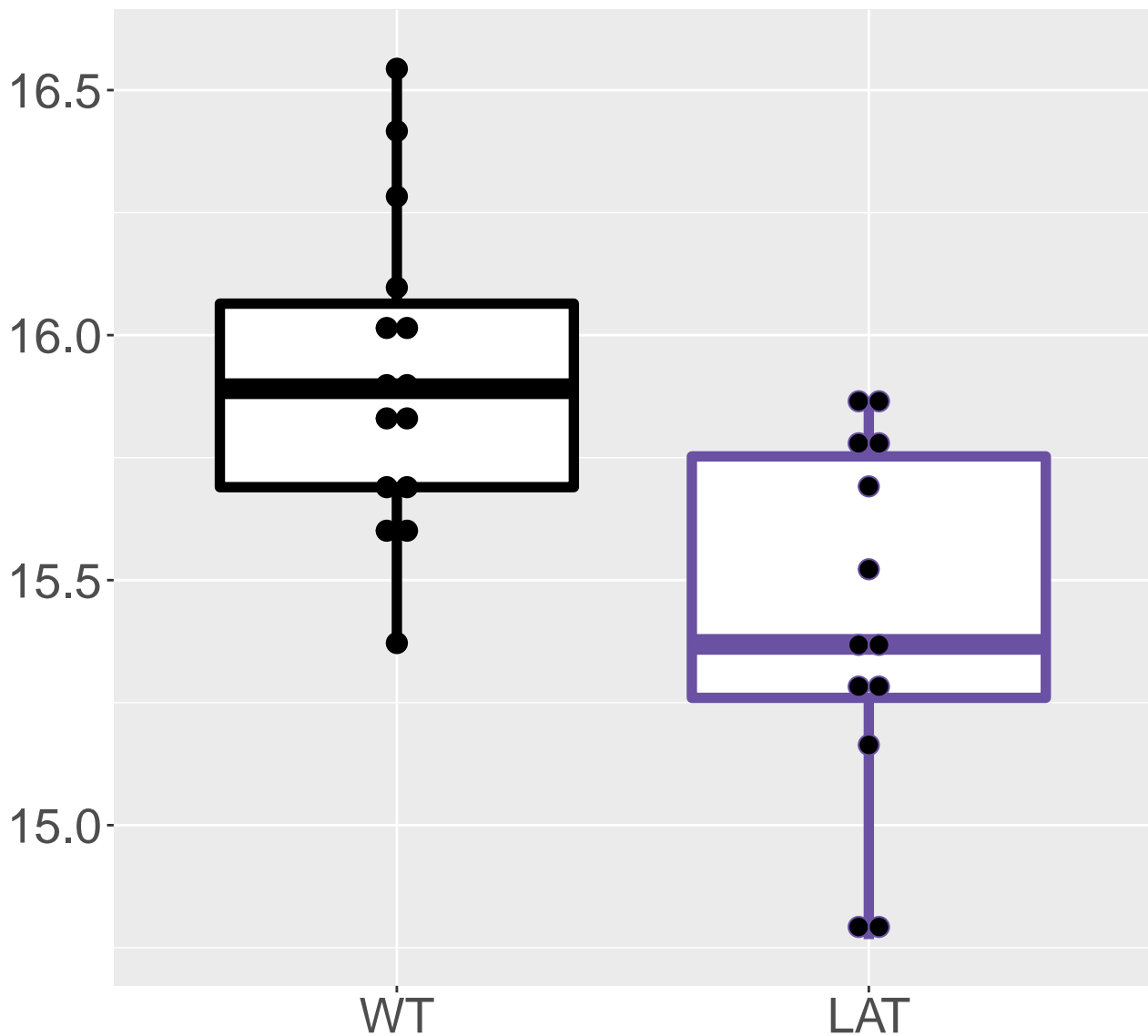


**M172.0832T113.17\_21**

**FDR = 0.0061, FC = -0.59**



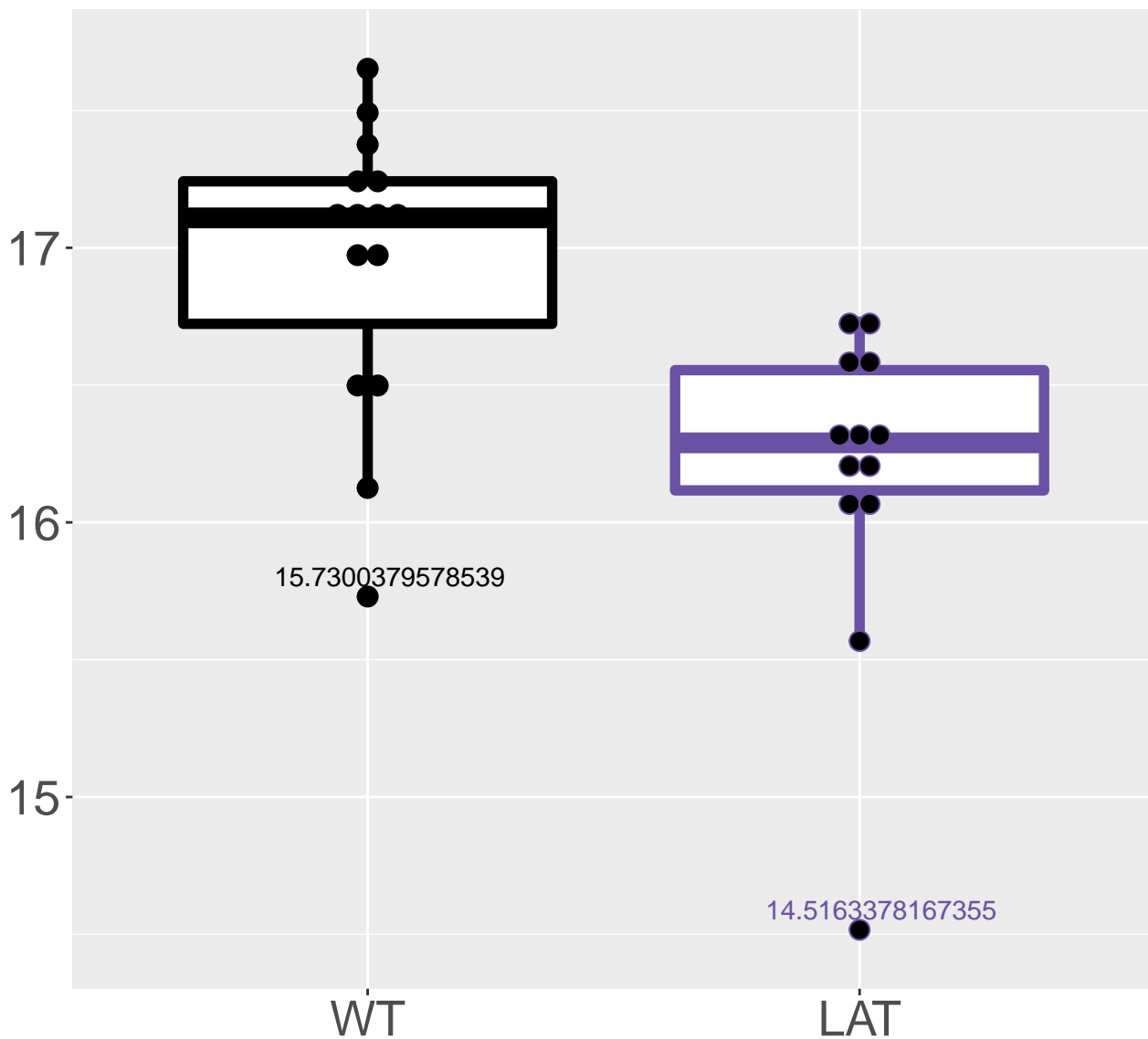
**M160.7278T113.31\_10**  
**FDR = 0.0062, FC = -0.49**





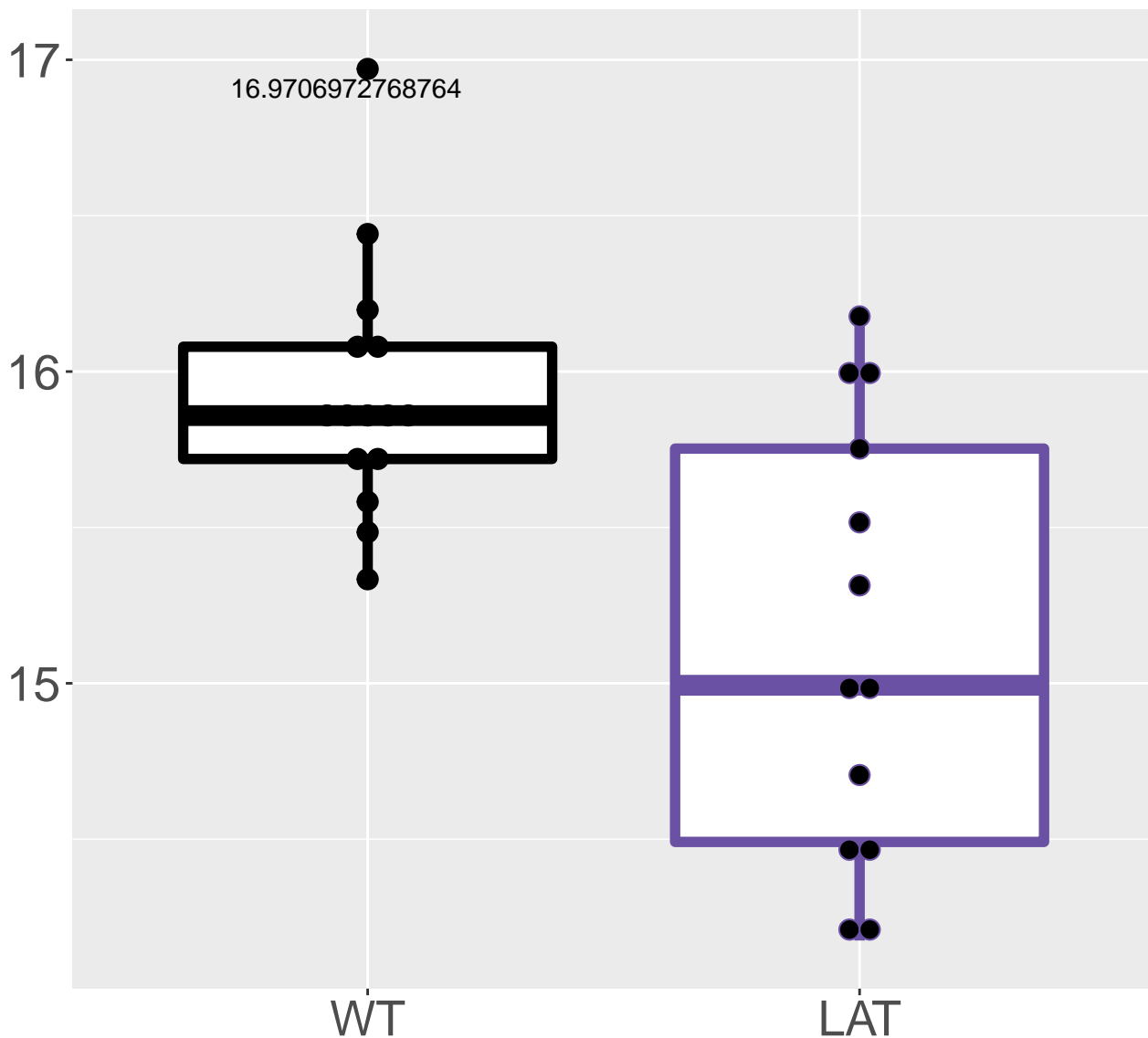
**M129.241T75.42\_41**

**FDR = 0.0062, FC = -0.78**

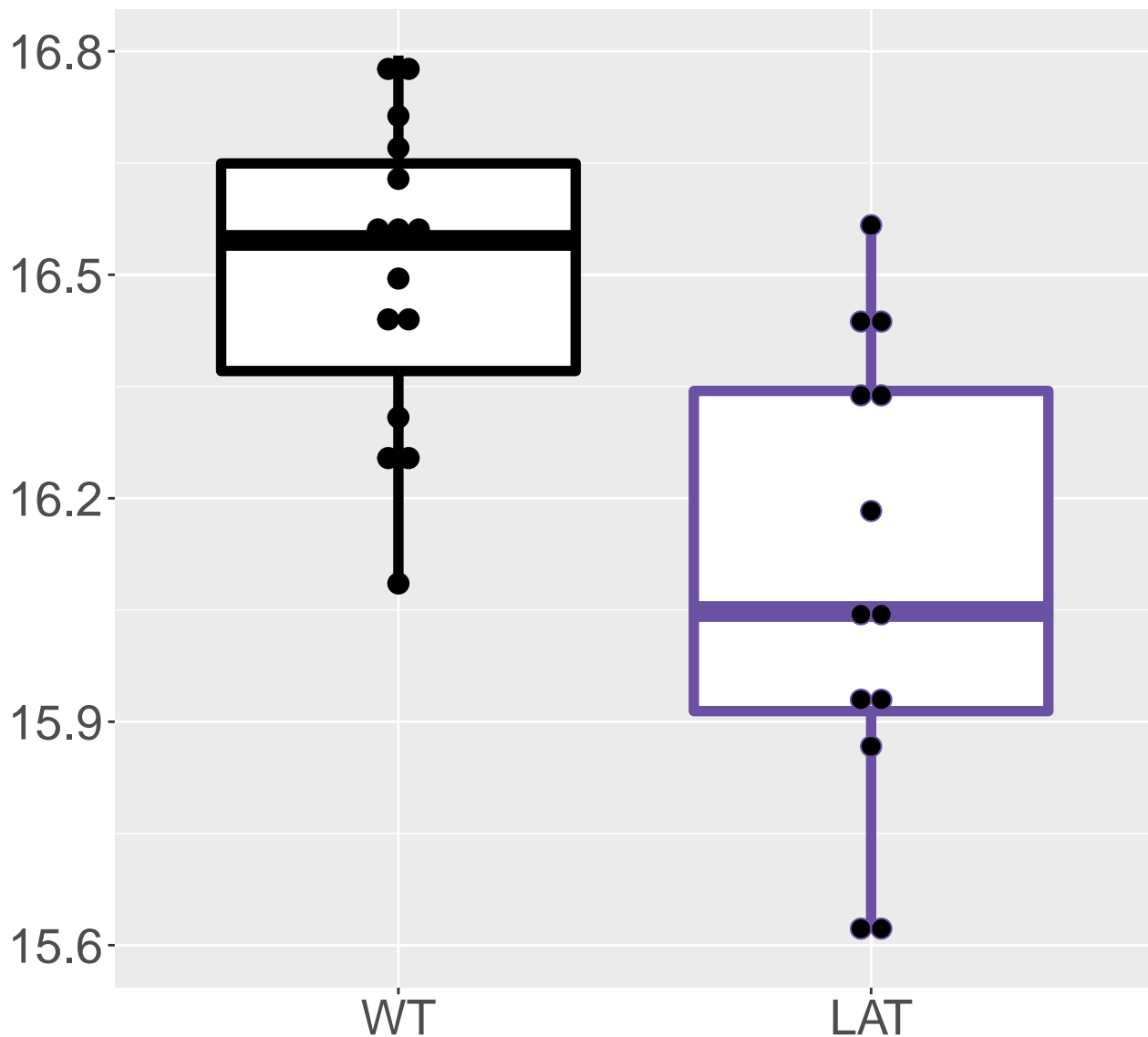


**M382.1546T473.36**

**FDR = 0.0062, FC = -0.79**

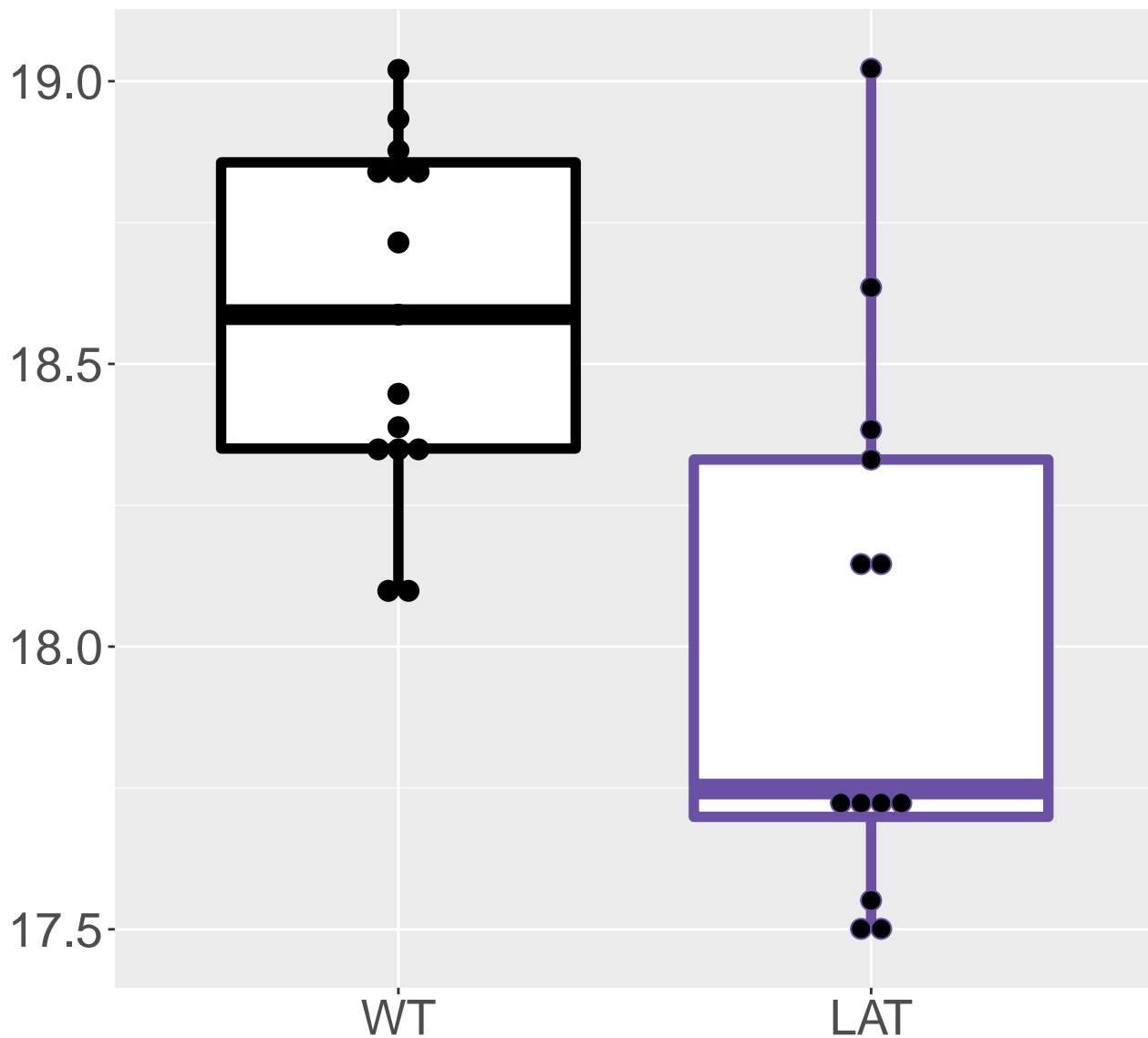


**M148.0758T113.18**  
**FDR = 0.0063, FC = -0.4**



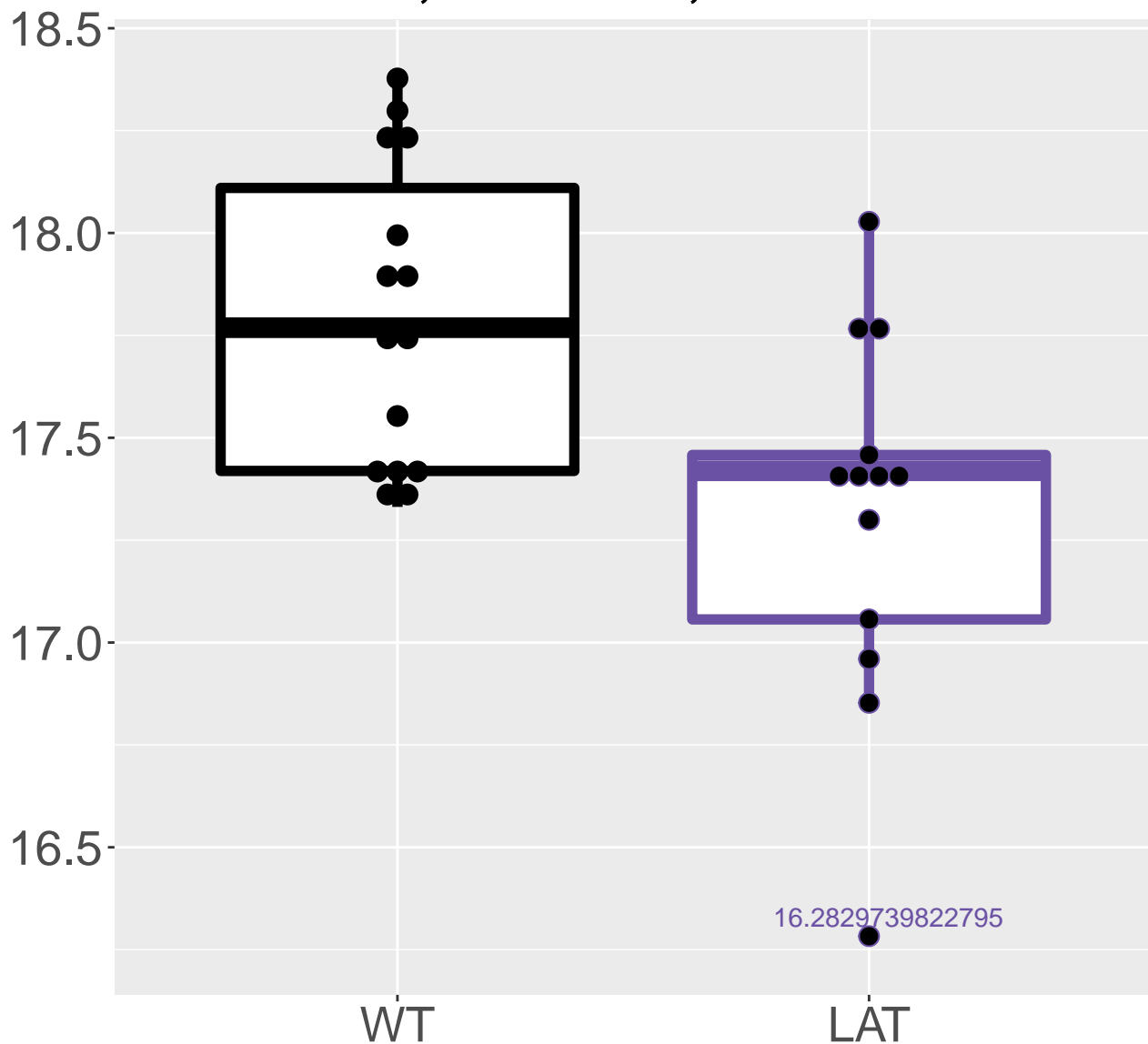
**M706.1916T46.97**

**FDR = 0.0063, FC = -0.57**



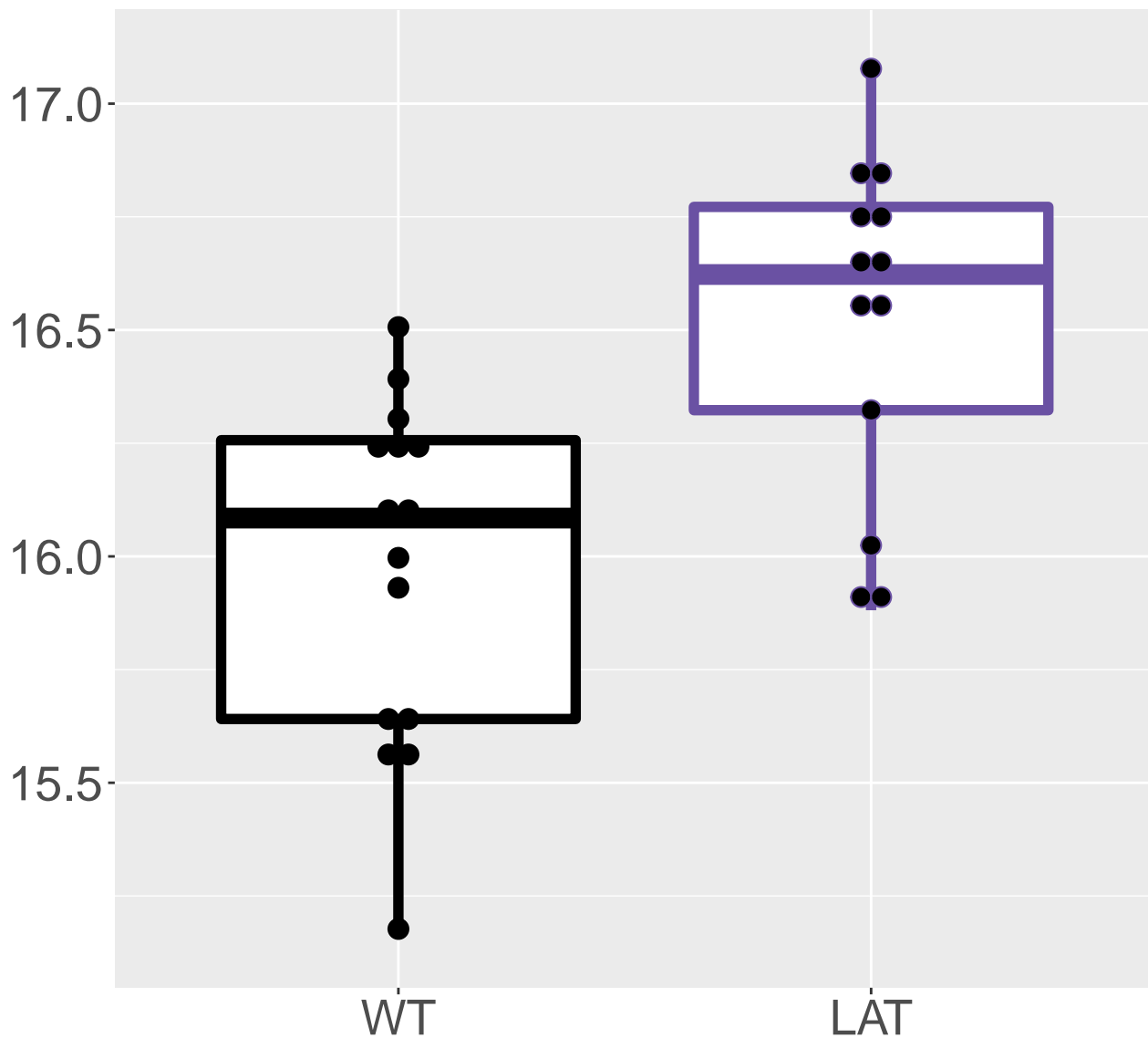
**M578.1802T298.21\_2**

**FDR = 0.0063, FC = -0.48, sex\*\***



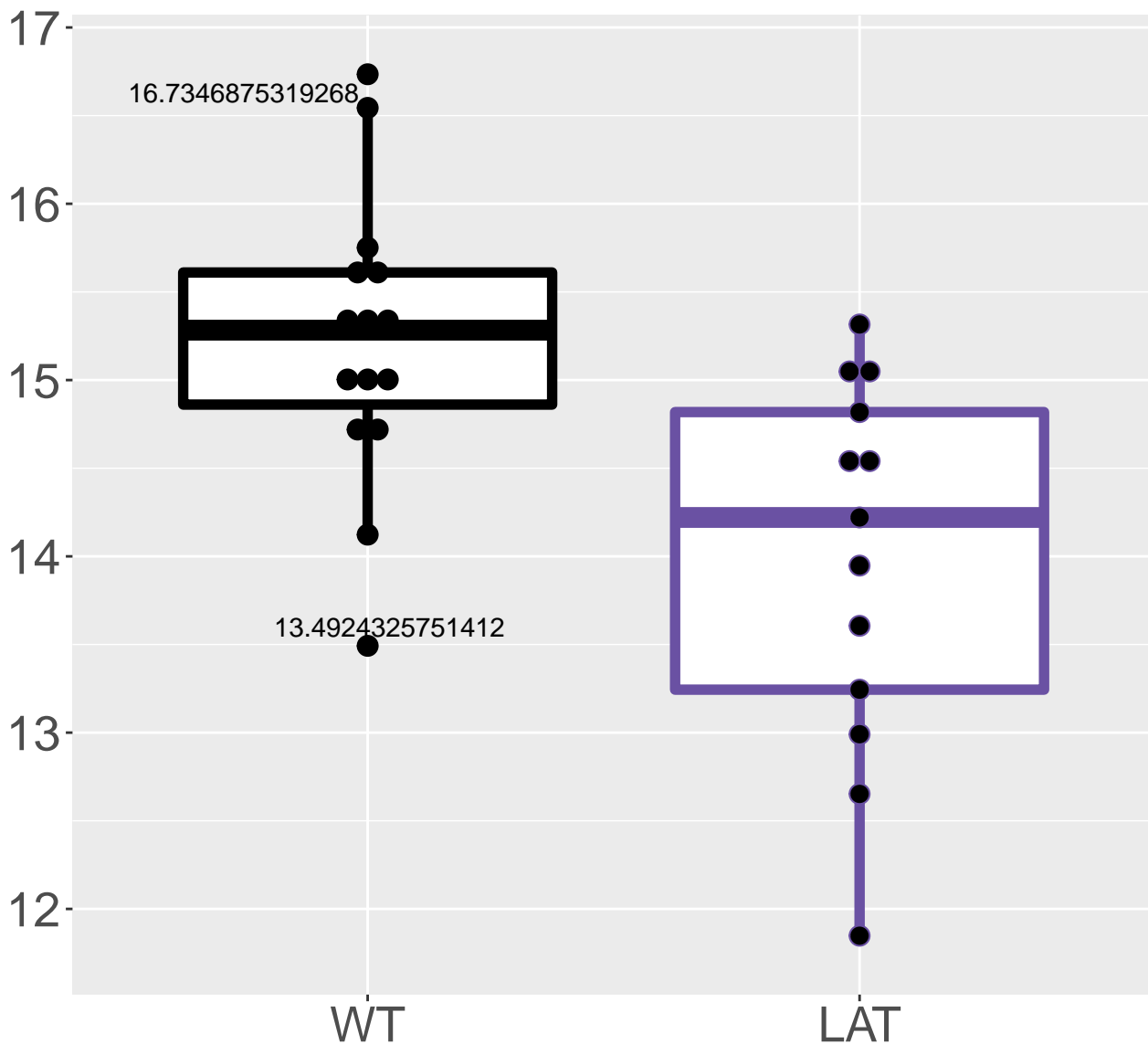
**M203.9329T45.69**

**FDR = 0.0063, FC = 0.55**

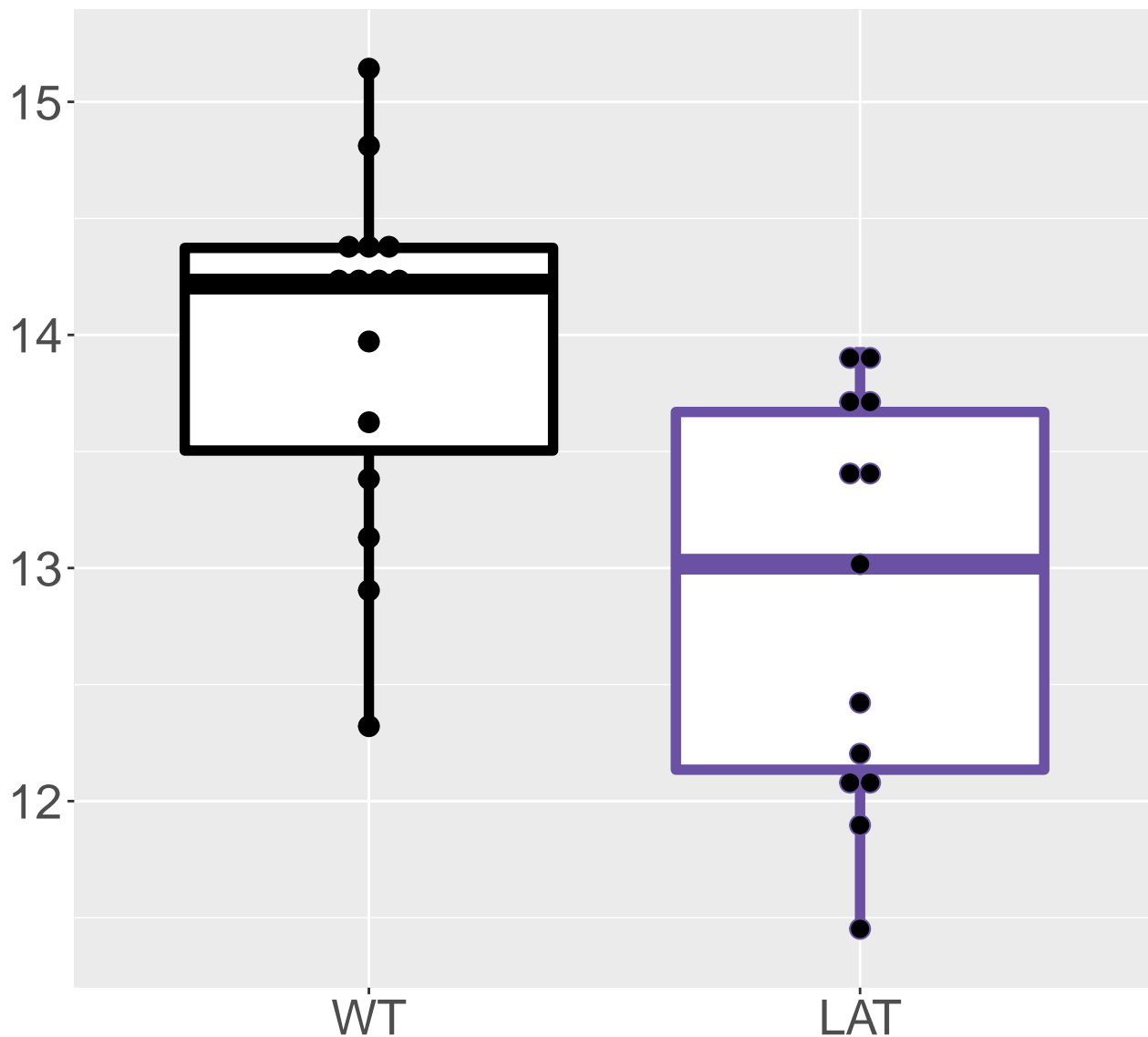


**M340.1942T479.03**

**FDR = 0.0063, FC = -1.2**



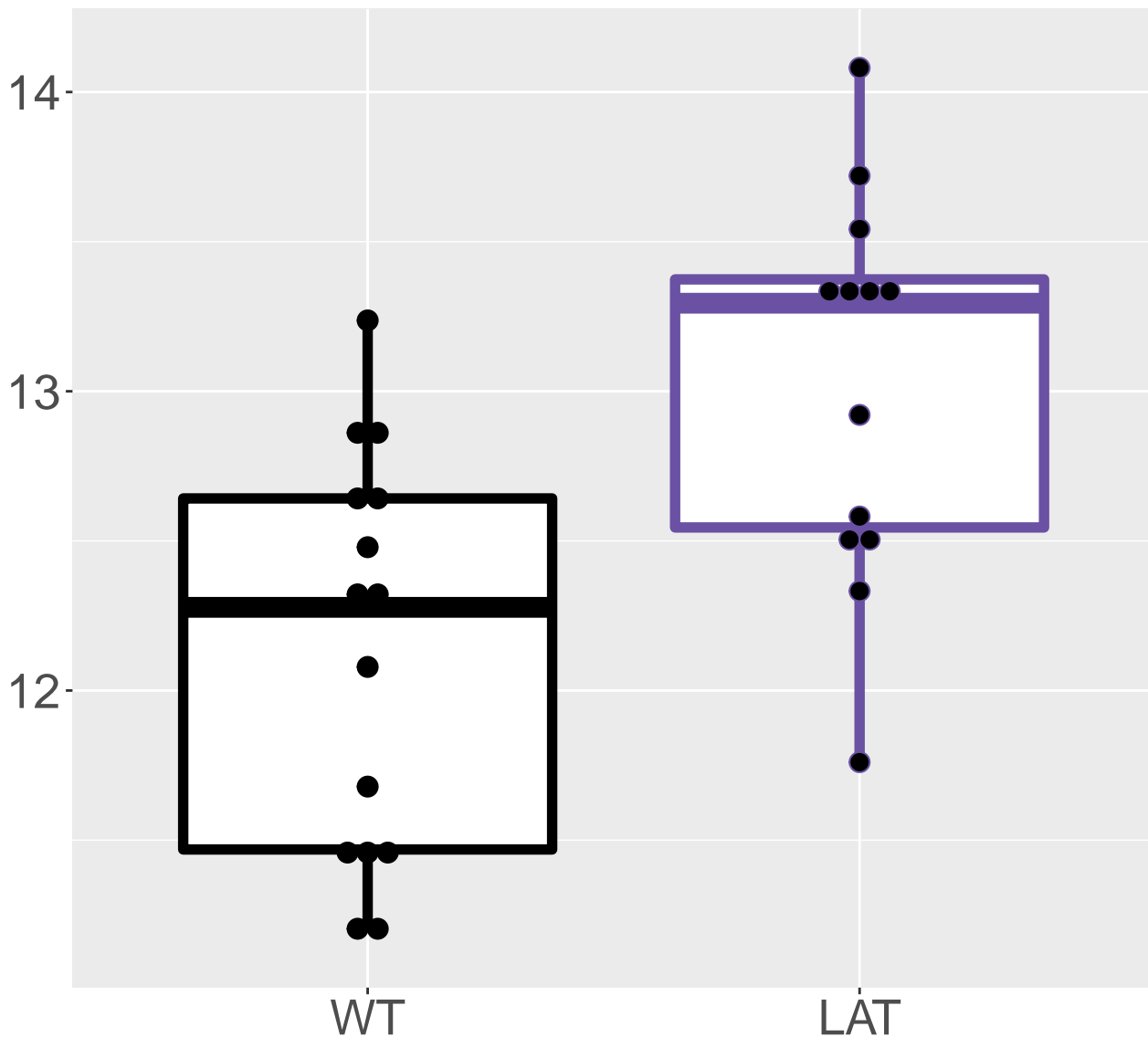
**M517.2473T180.77**  
**FDR = 0.0064, FC = -1.1**





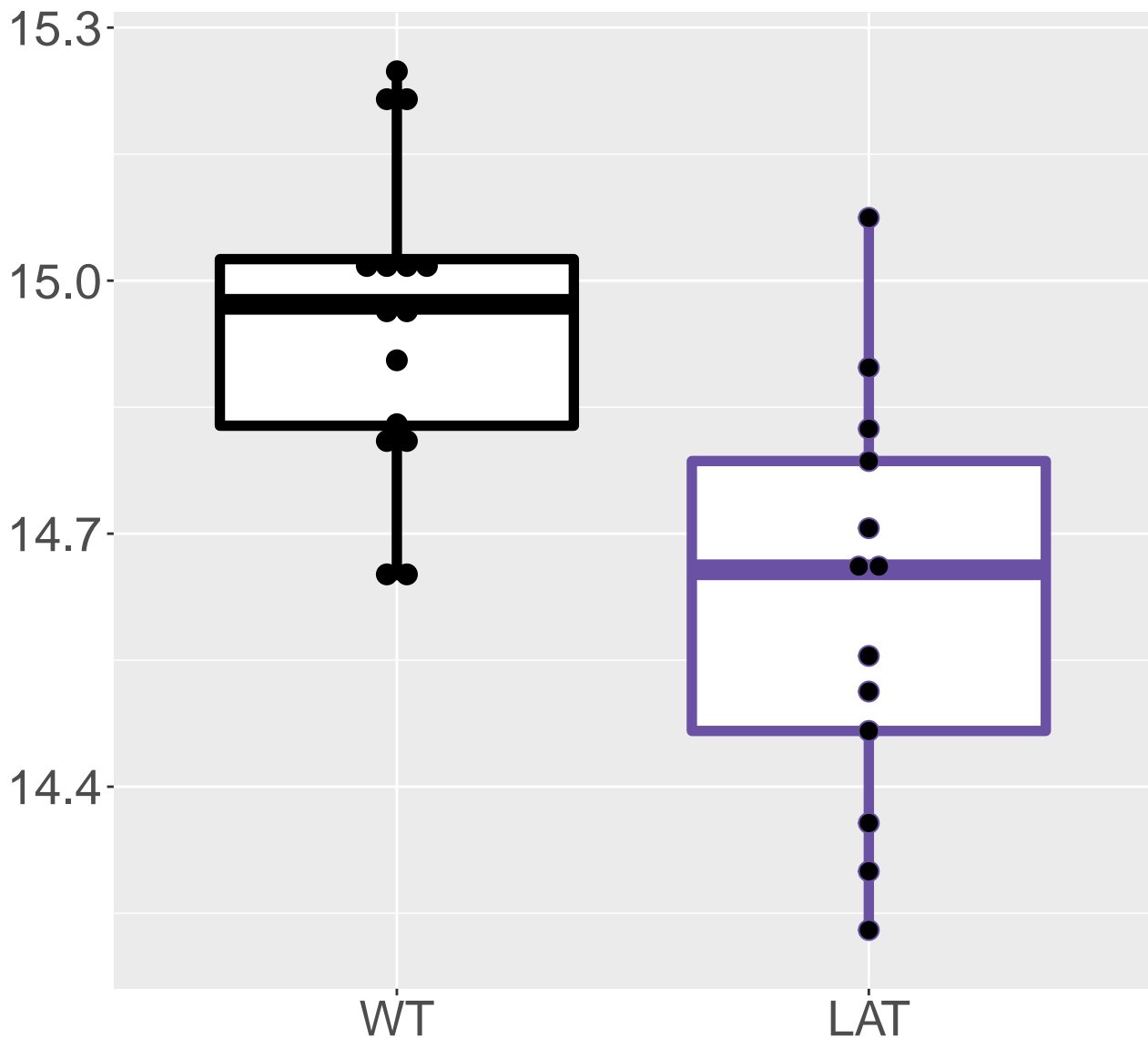
**M365.5507T106.46**

**FDR = 0.0064, FC = 0.89**

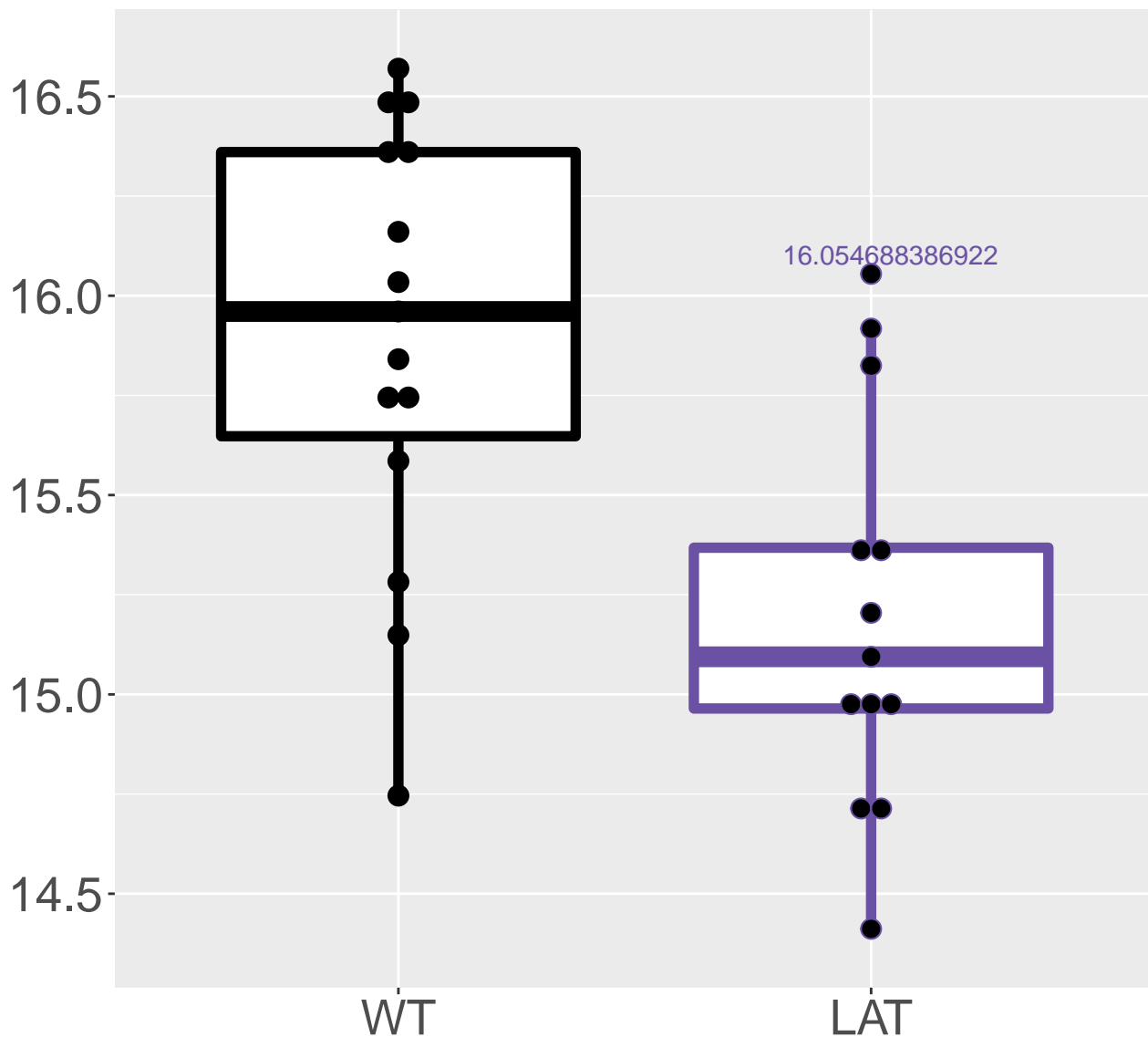


**M239.0289T42.65\_2**

**FDR = 0.0064, FC = -0.34**

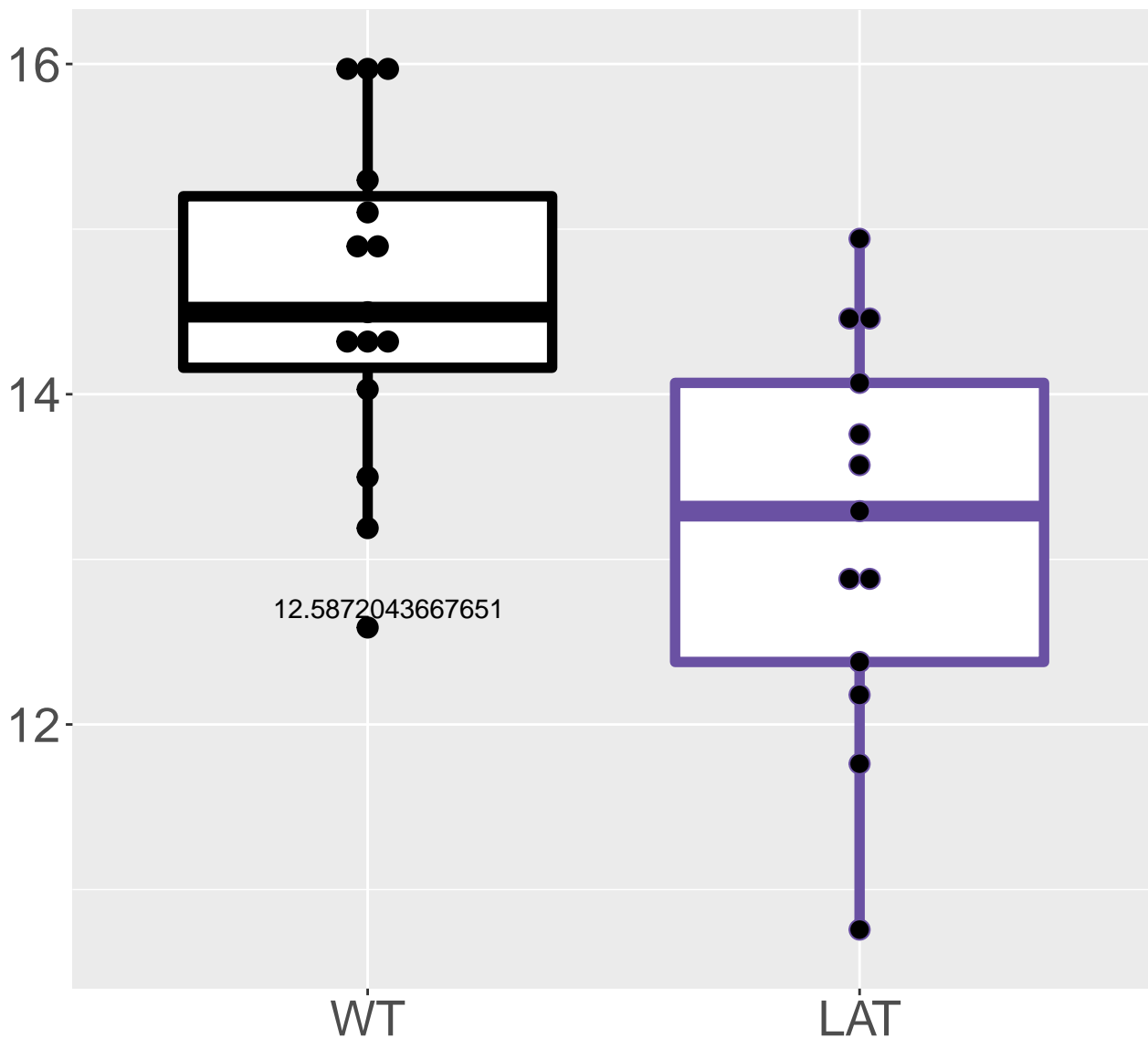


**M170.9626T113.22\_17**  
**FDR = 0.0065, FC = -0.7**

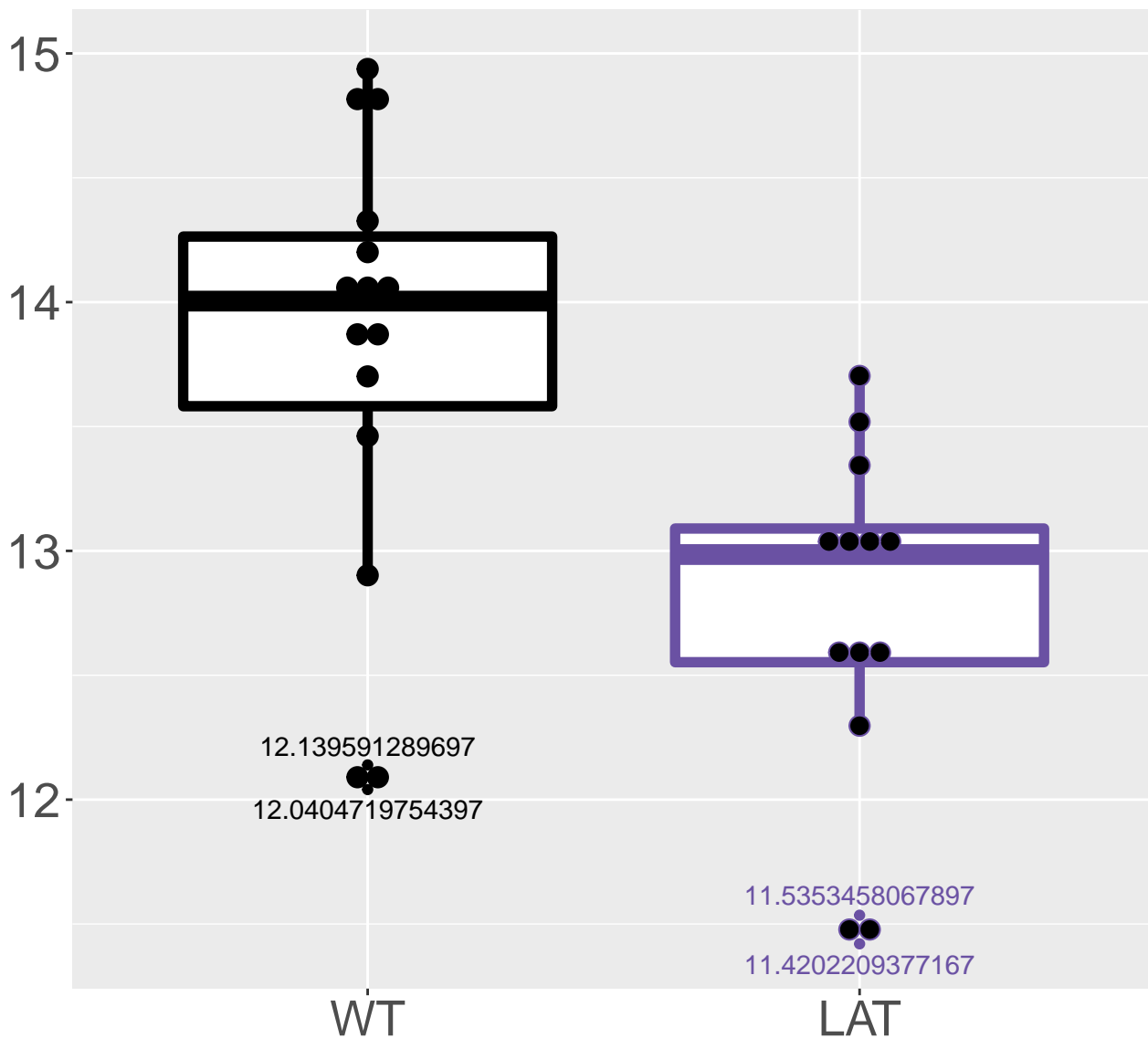


**M423.7627T261.96**

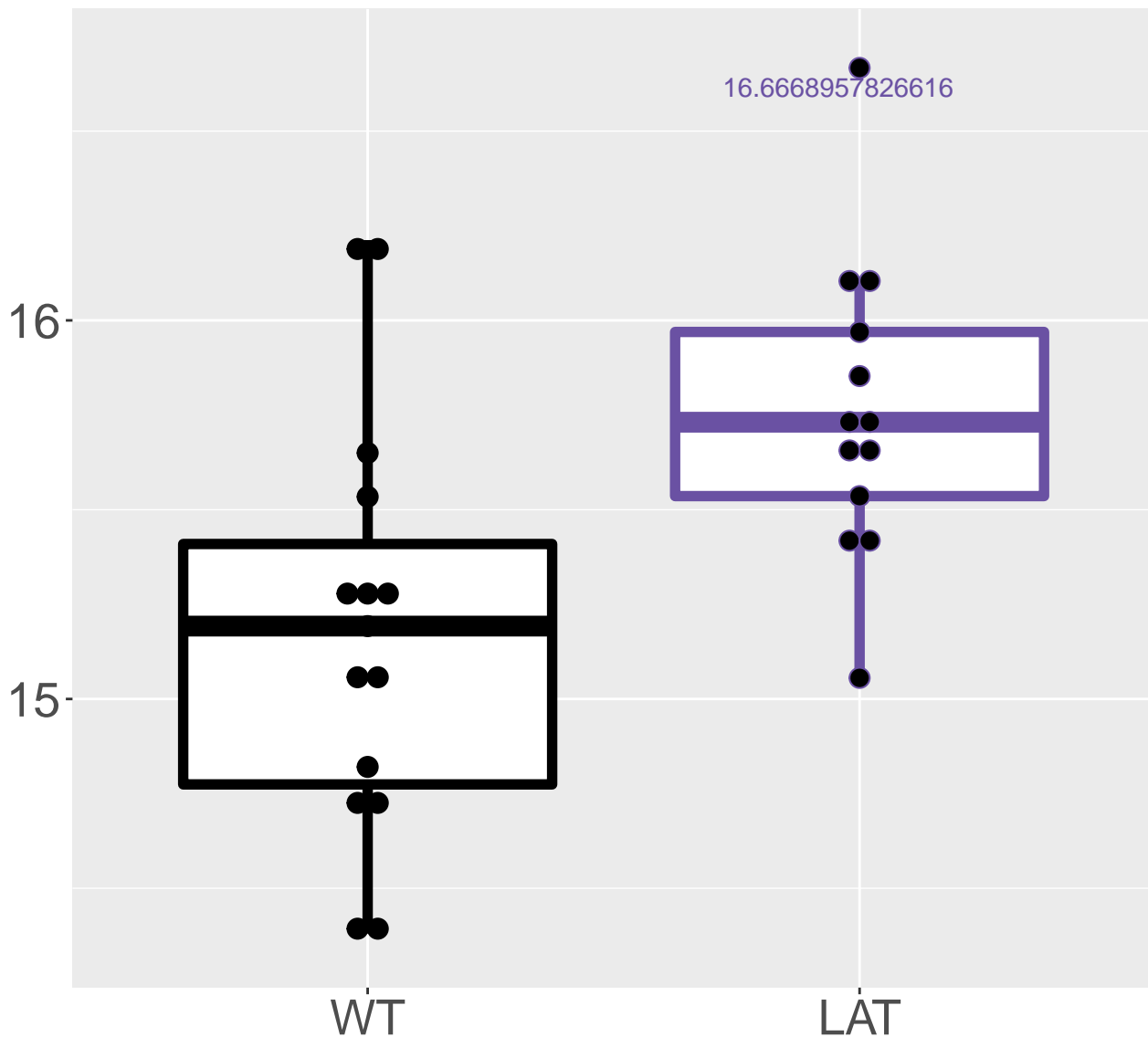
**FDR = 0.0065, FC = -1.4**



**M309.9494T259.72\_1**  
**FDR = 0.0065, FC = -1.1**

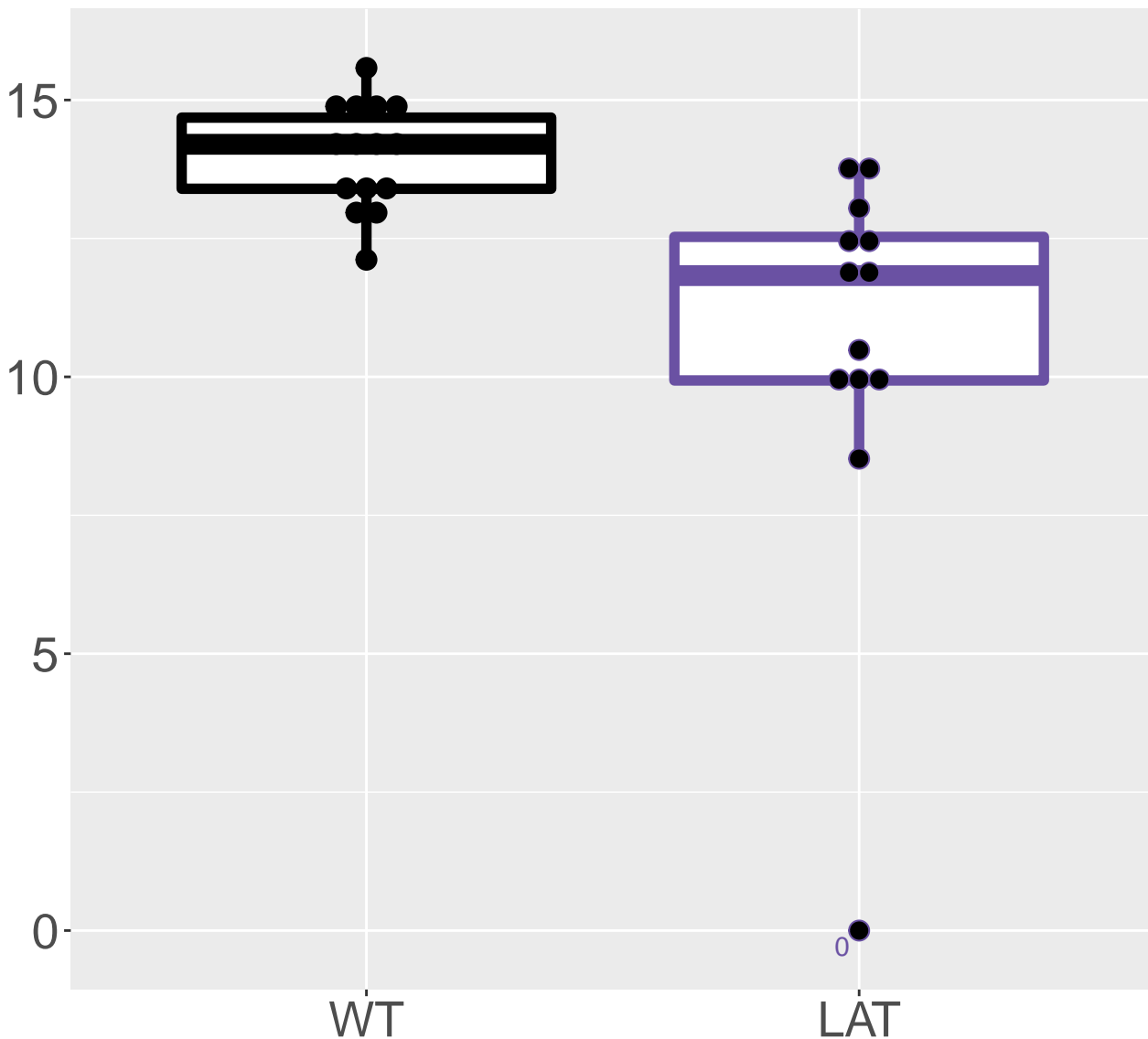


**M679.6417T298.27\_1**  
**FDR = 0.0065, FC = 0.58**



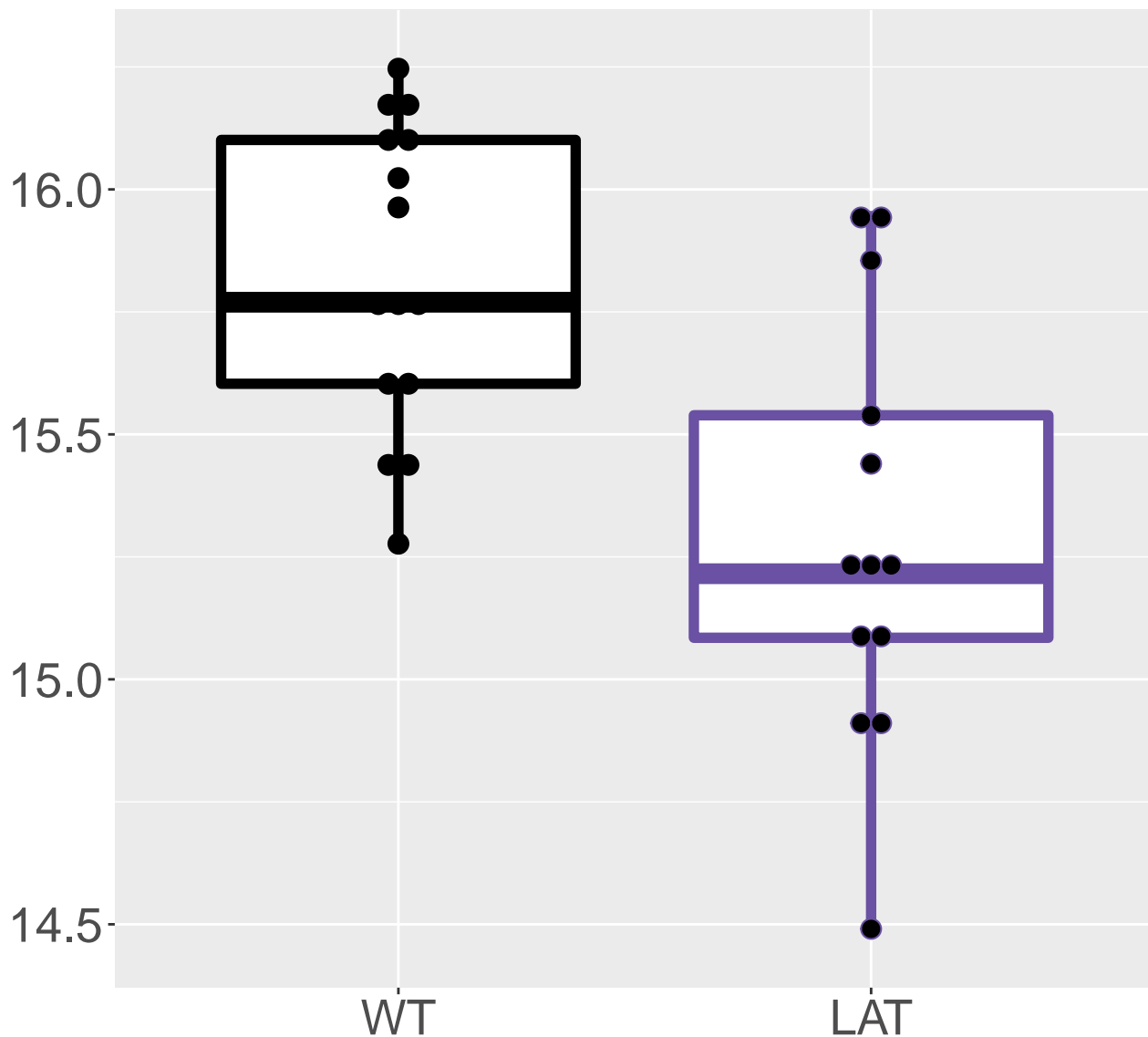
**M436.1247T80.39**

**FDR = 0.0065, FC = -3.4**



**M172.0424T113.08\_18**

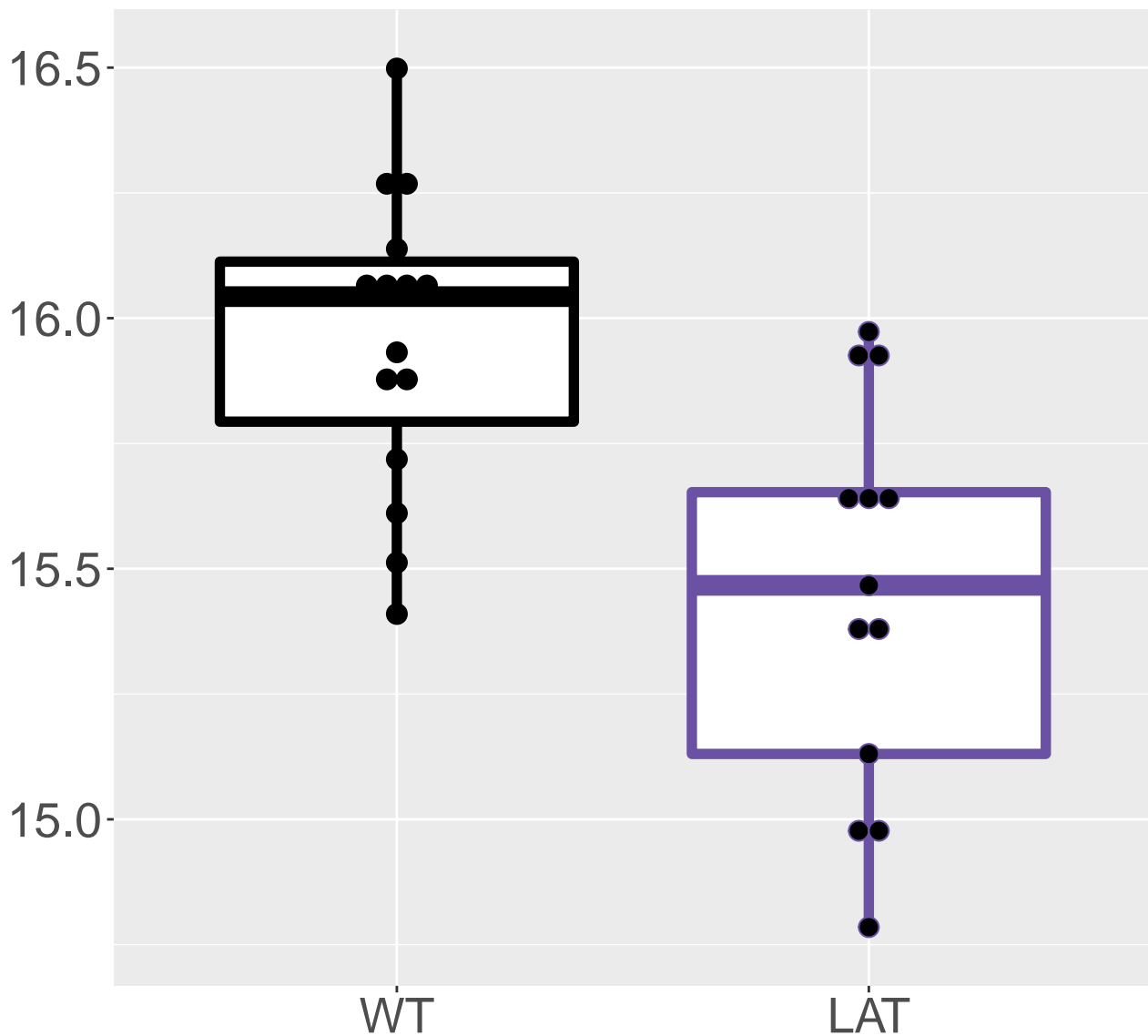
**FDR = 0.0065, FC = -0.53**





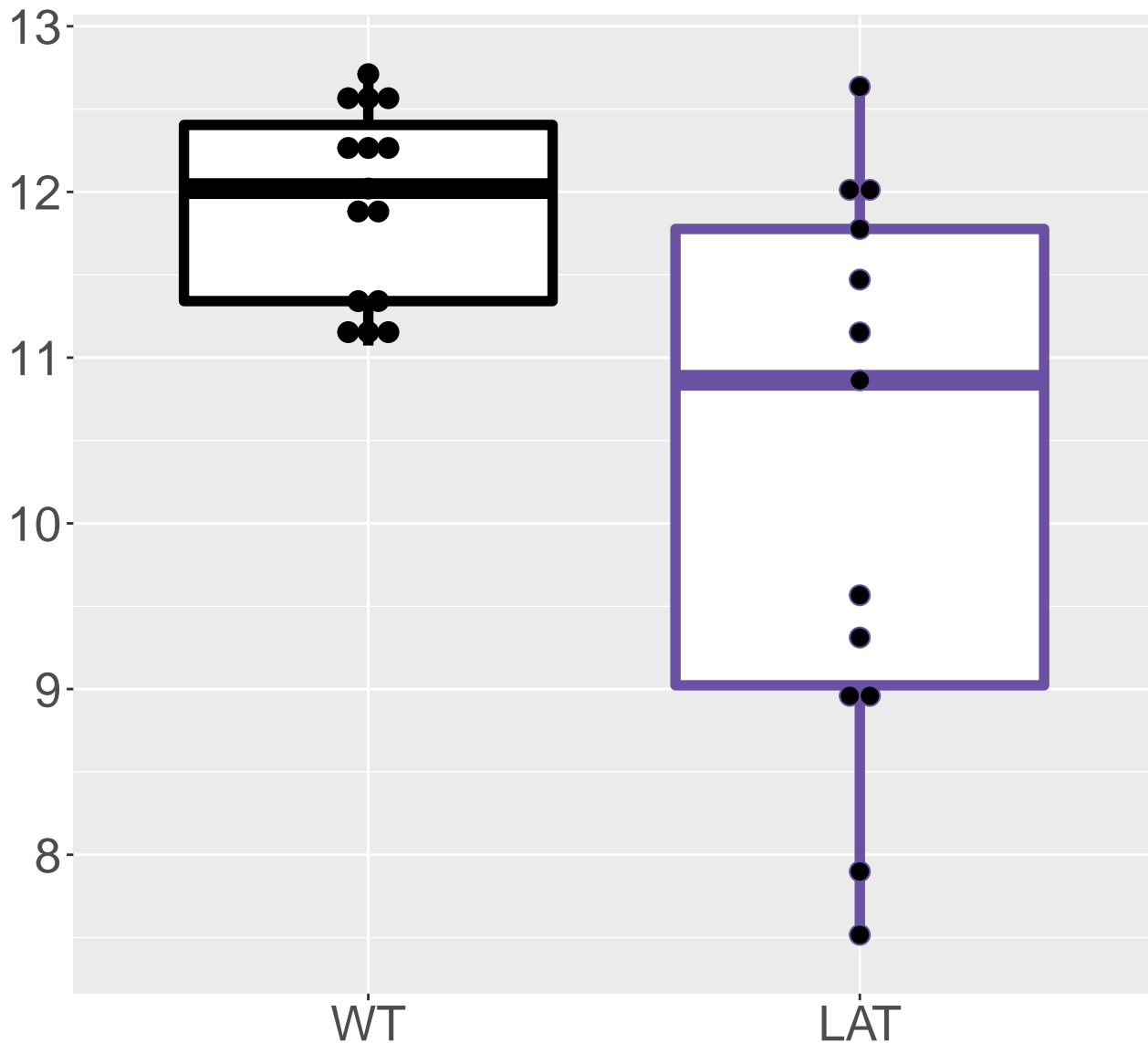
**M171.6874T113.11\_6**

**FDR = 0.0065, FC = -0.51**



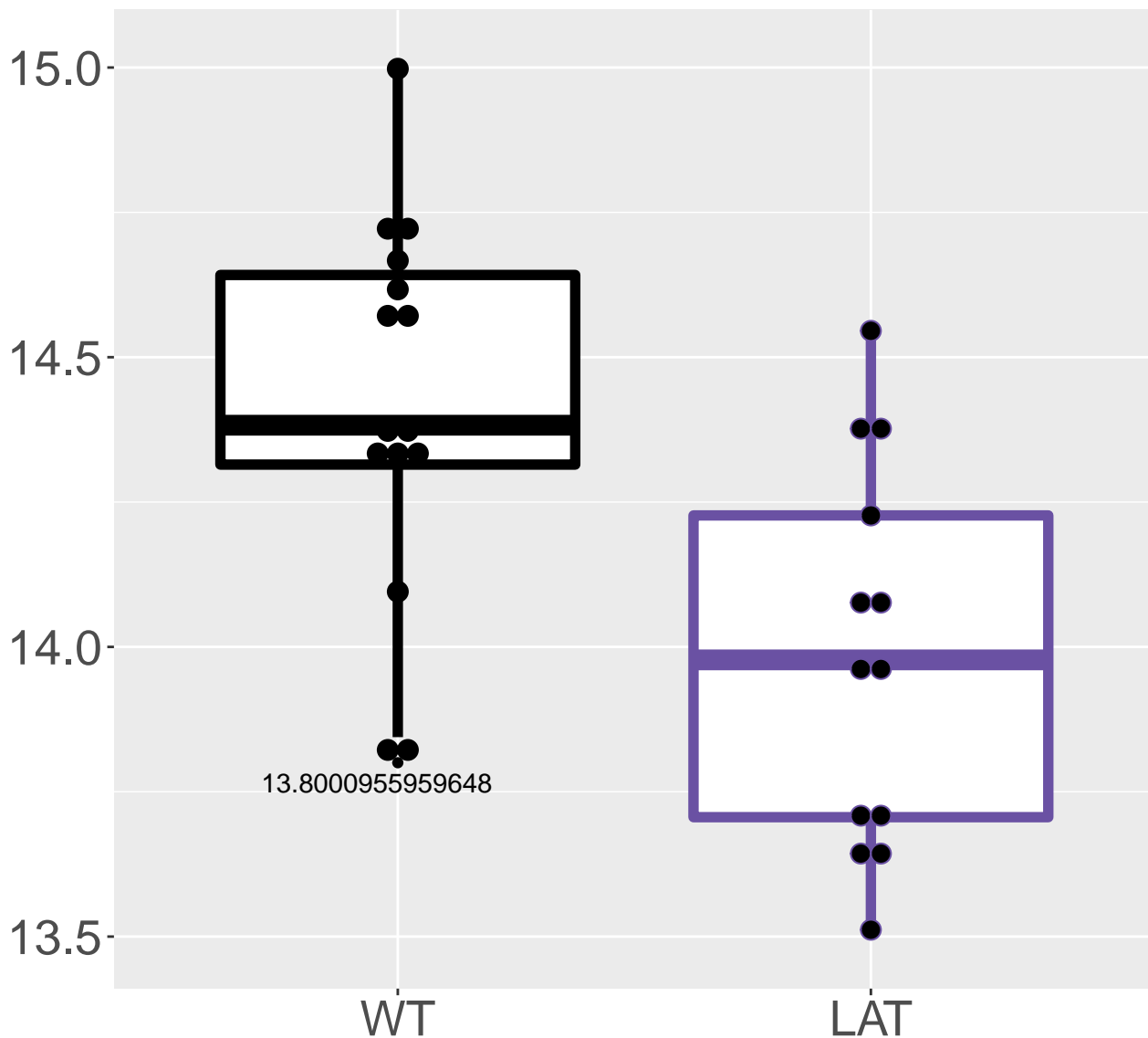
**M260.8174T195.13**

**FDR = 0.0066, FC = -1.6**

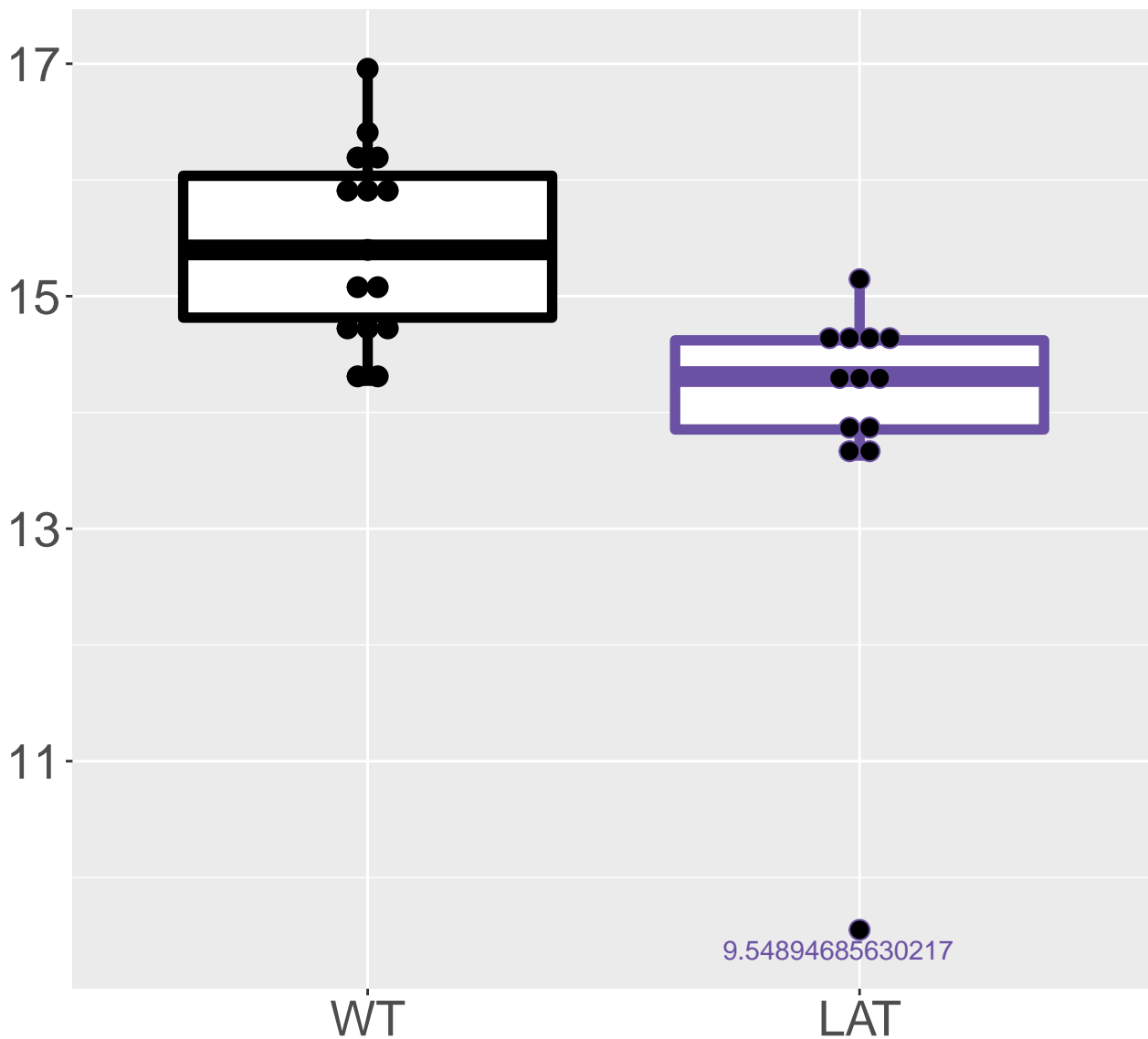


**M287.0586T41.35**

**FDR = 0.0066, FC = -0.44**

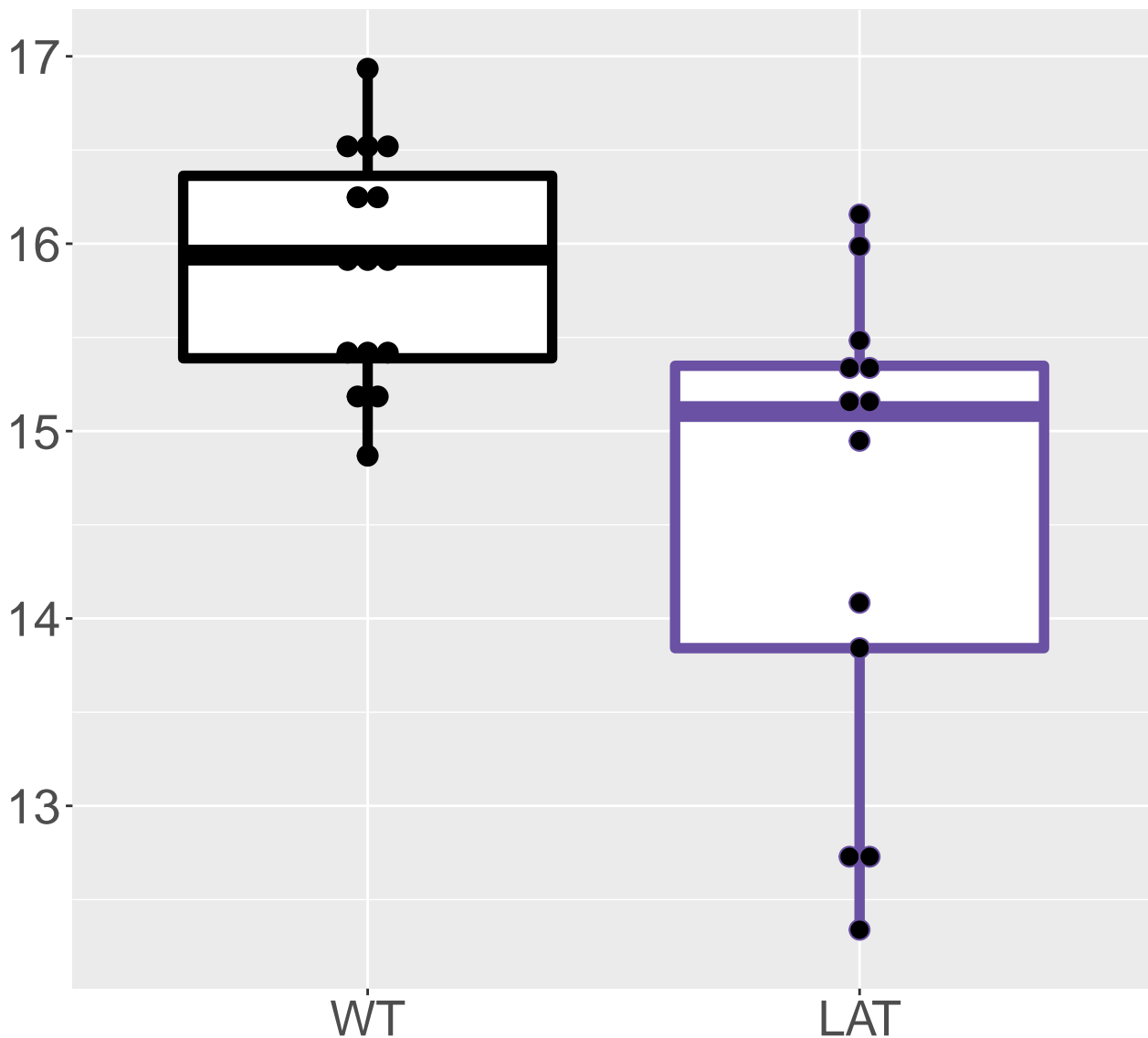


**M558.6253T277.09\_1**  
**FDR = 0.0066, FC = -1.5**



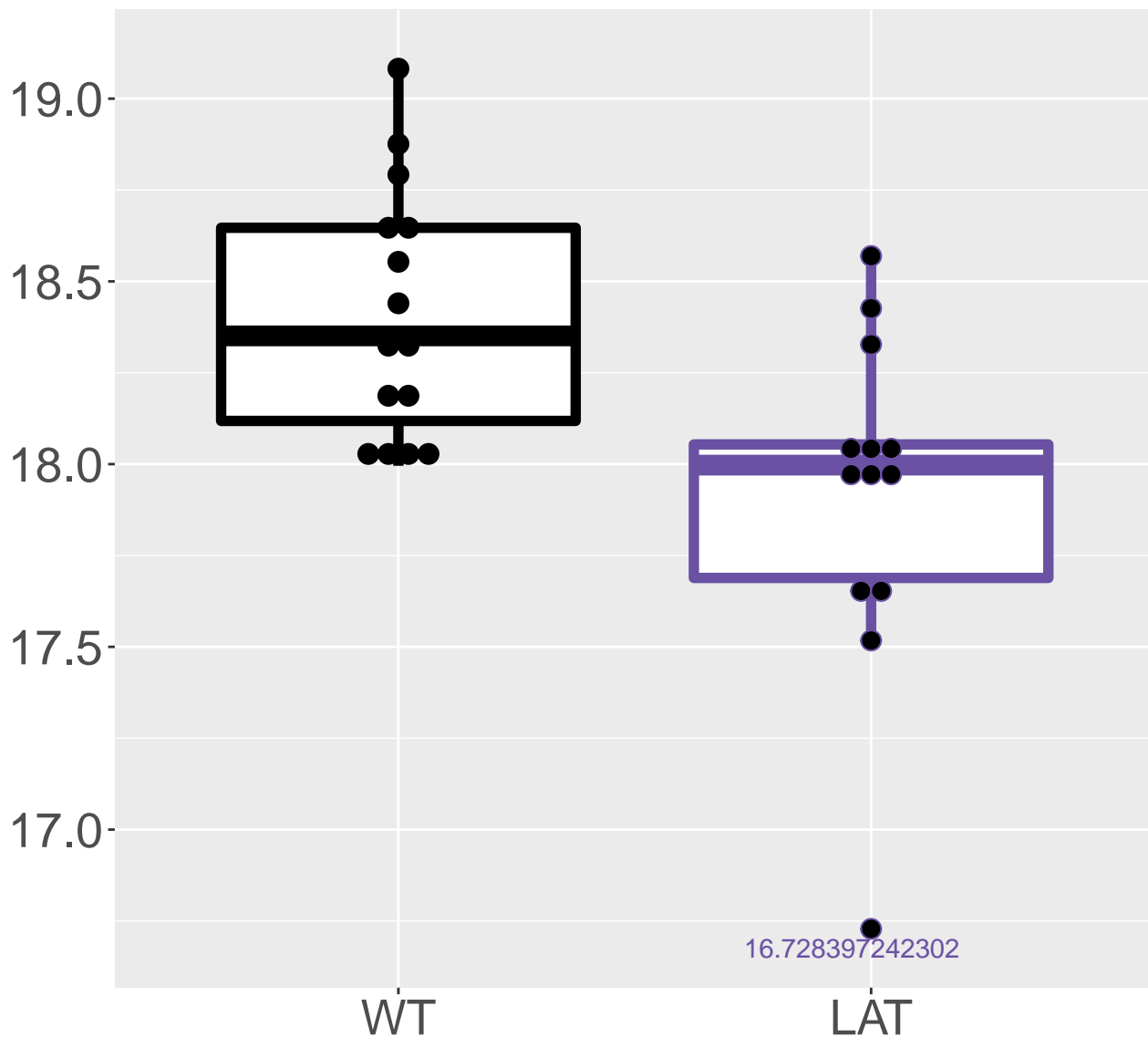
**M405.9086T65.9**

**FDR = 0.0066, FC = -1.3**



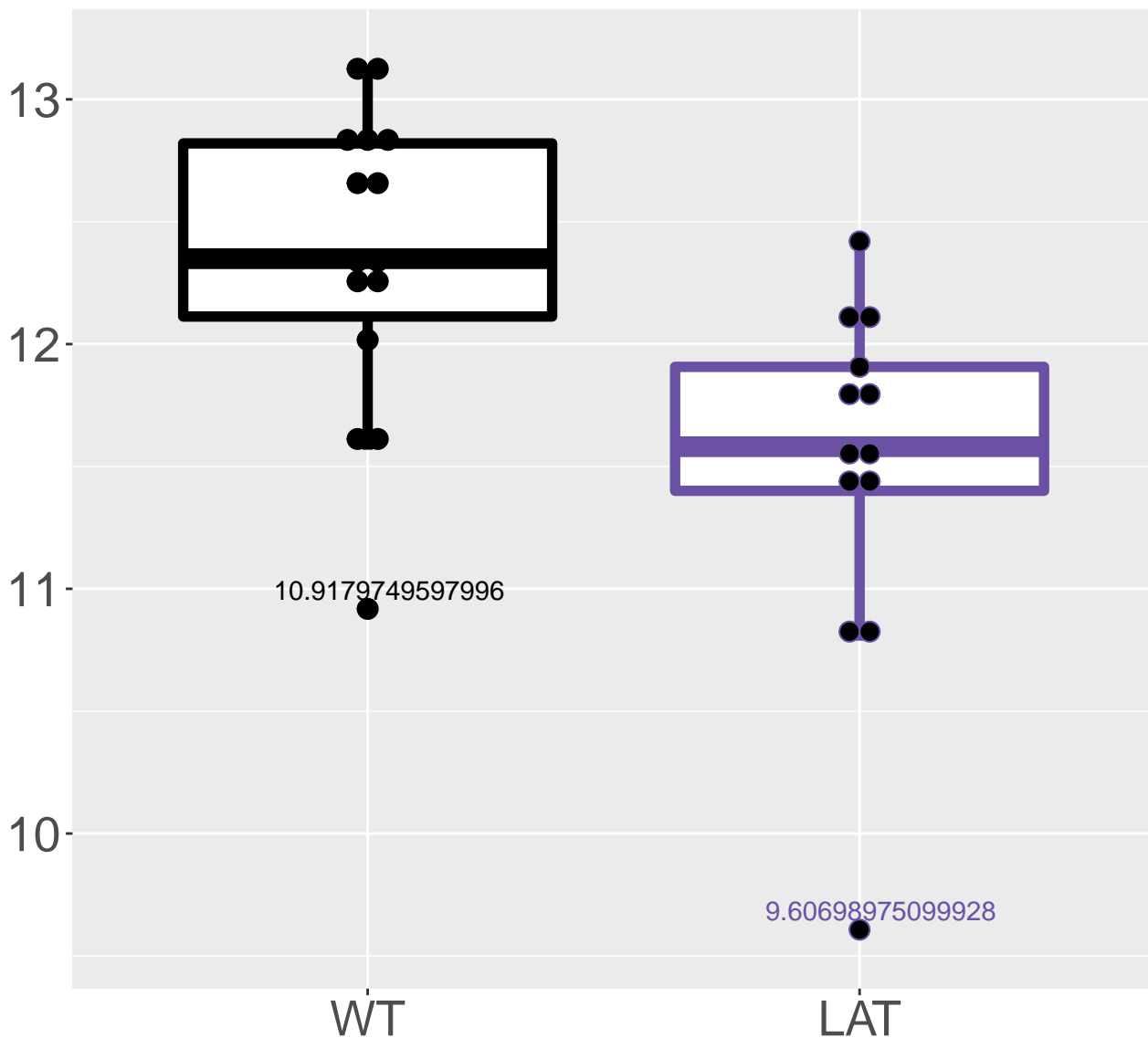
**M661.0623T298.31\_4**

**FDR = 0.0066, FC = -0.49, sex\*\***



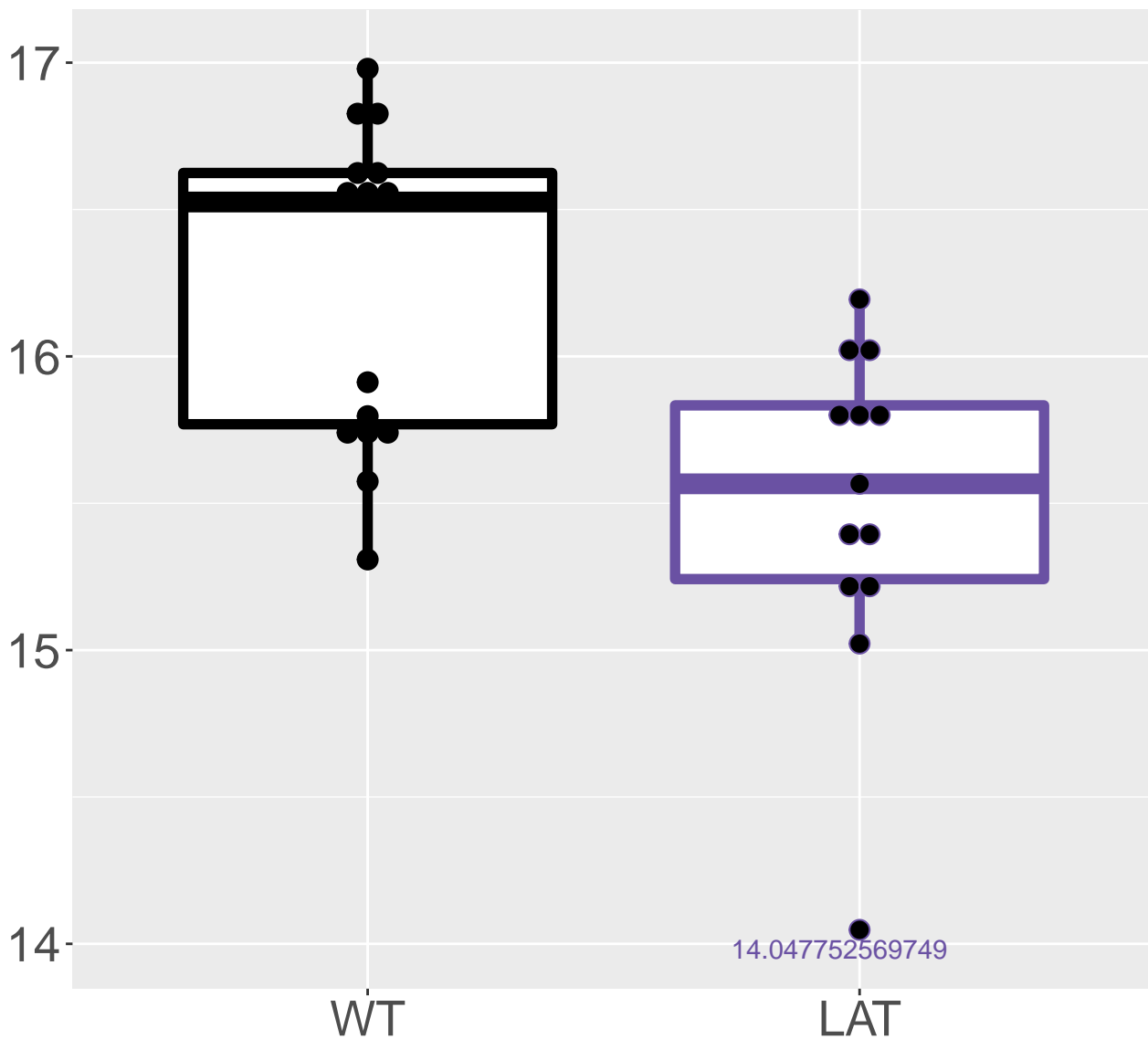
**M352.1987T264.95**

**FDR = 0.0066, FC = -0.87**



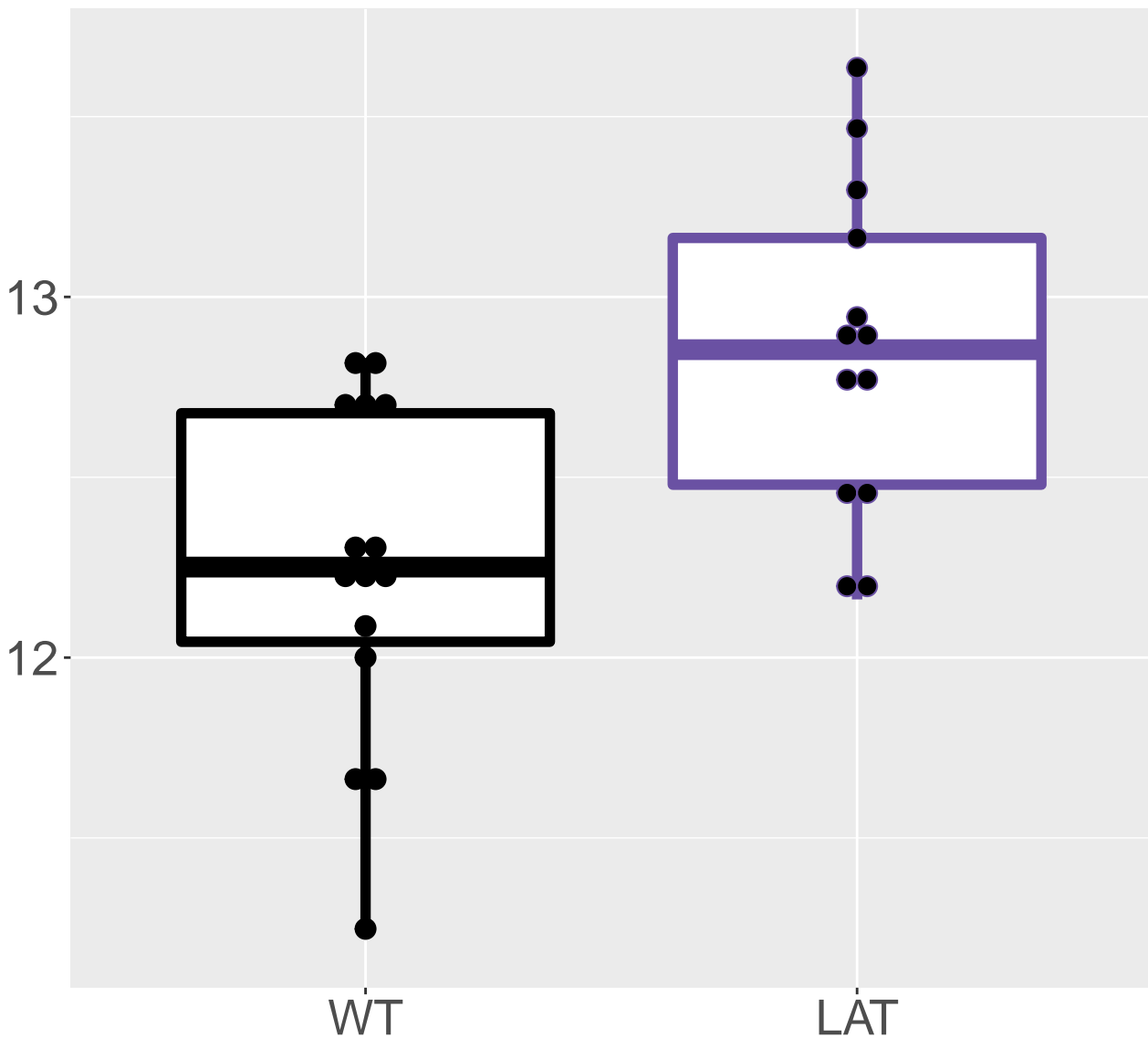
**M126.3977T75.48\_8**

**FDR = 0.0066, FC = -0.72**



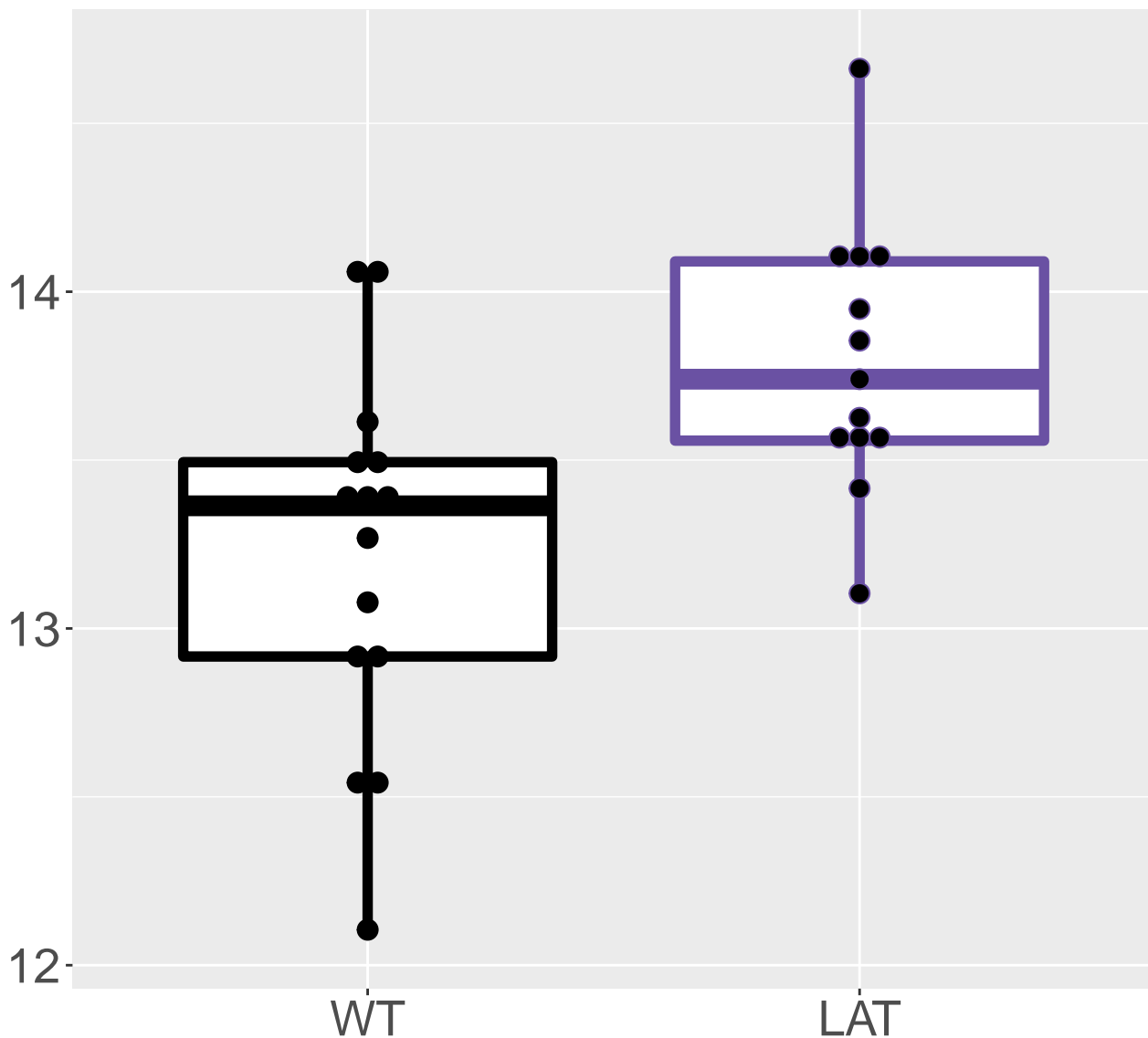


**M460.8661T95.89\_2**  
**FDR = 0.0066, FC = 0.61**



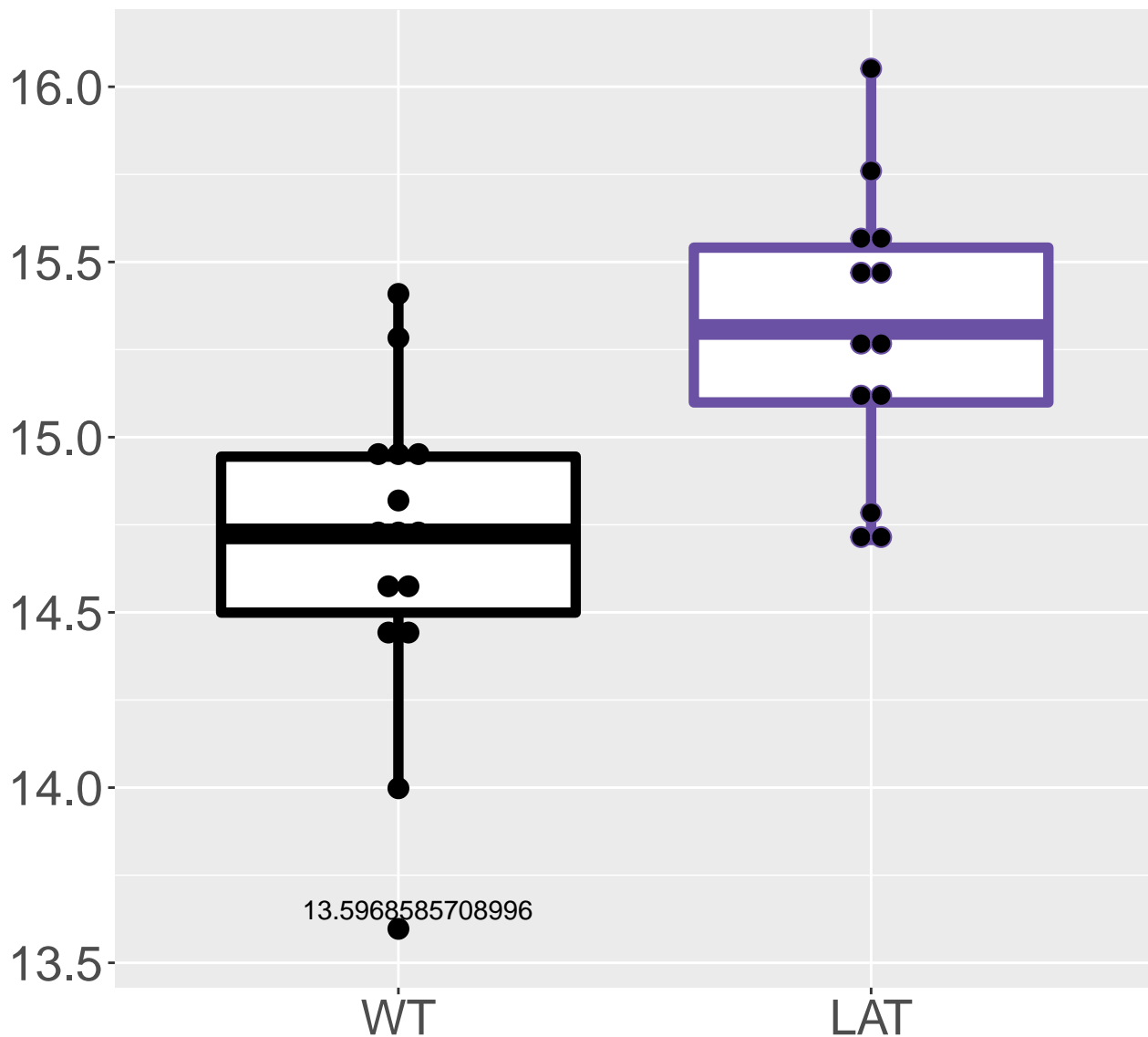
**M526.3061T280.78**

**FDR = 0.0066, FC = 0.58**



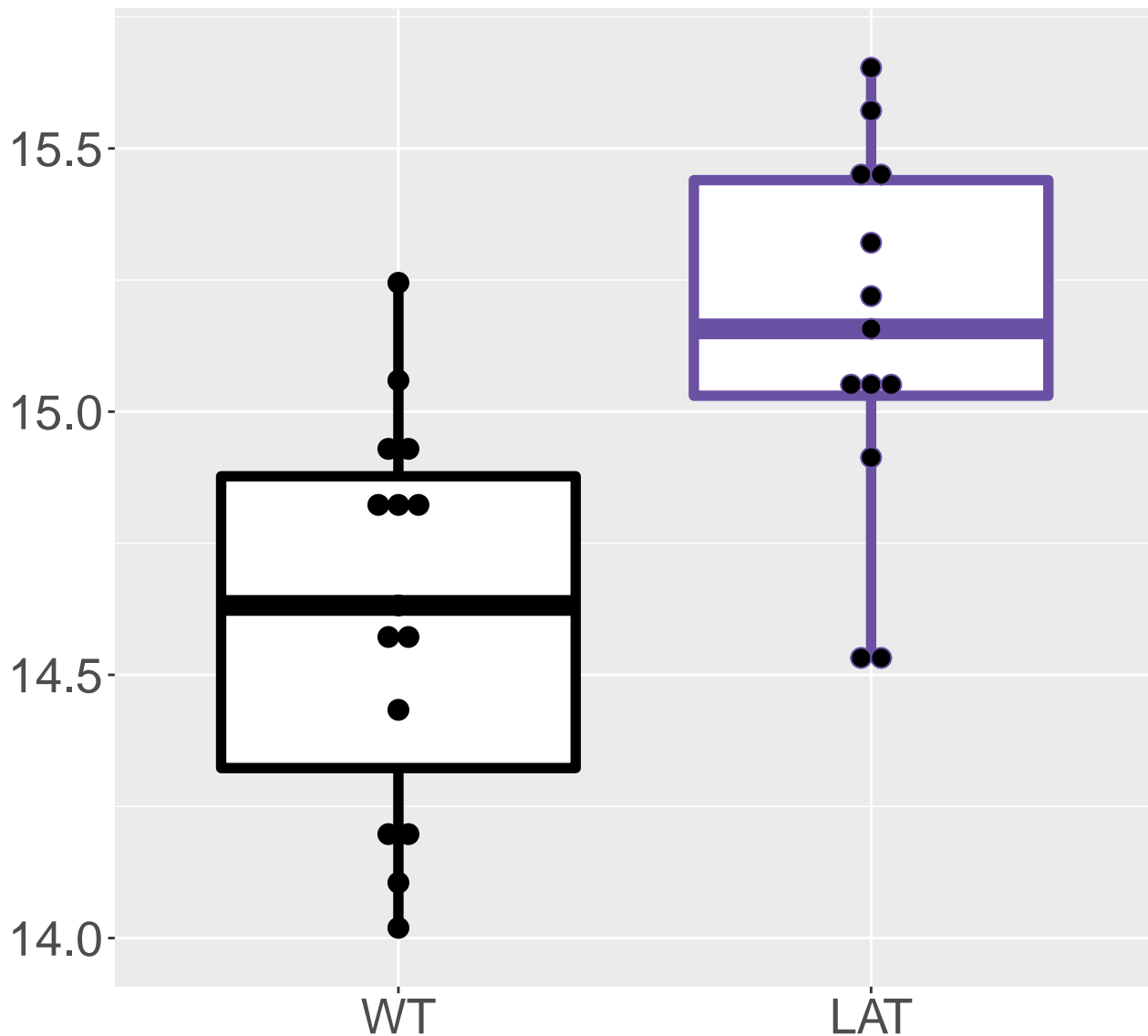
**M373.2466T197.6**

**FDR = 0.0067, FC = 0.62**

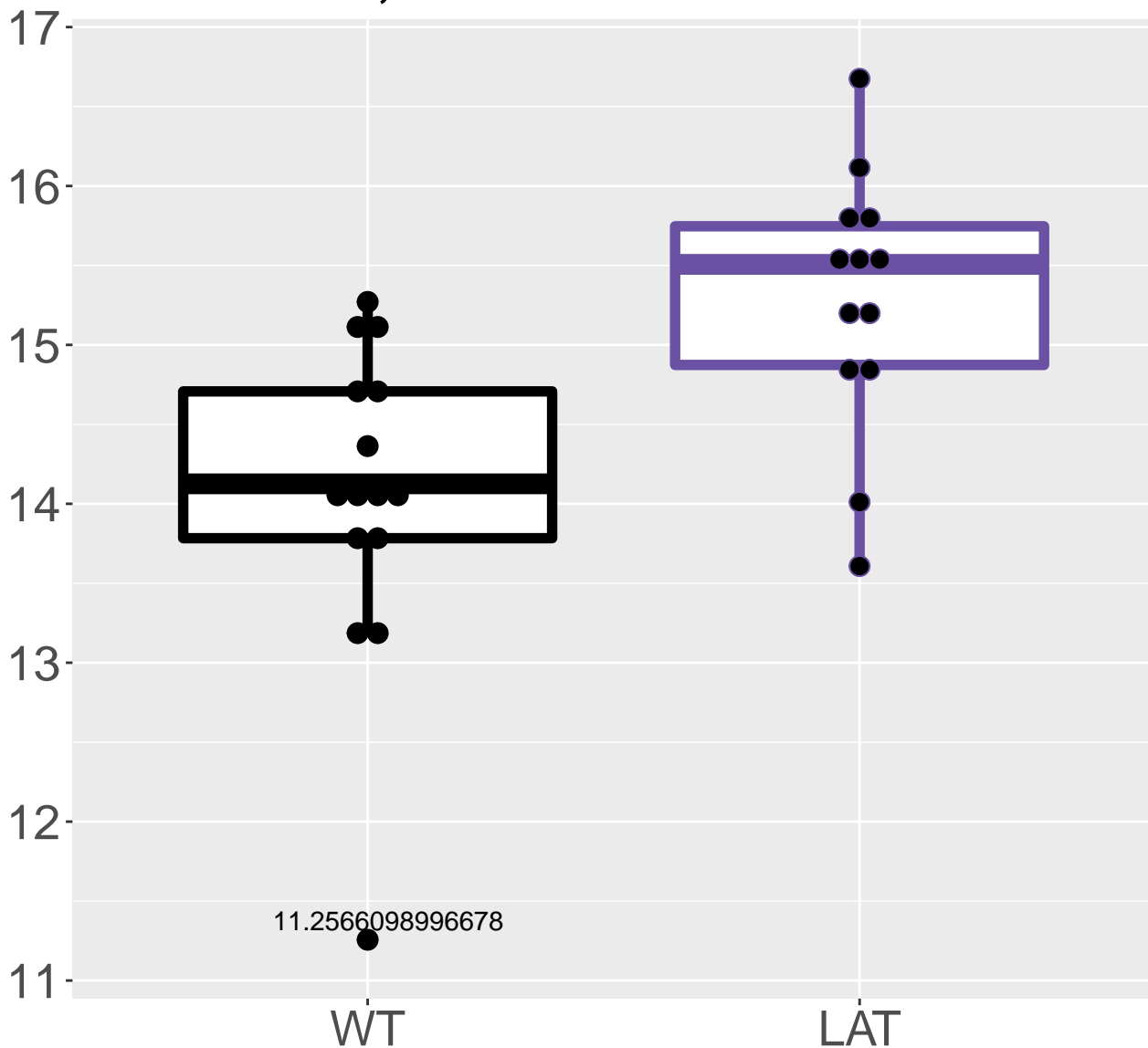


**M166.9515T45.23**

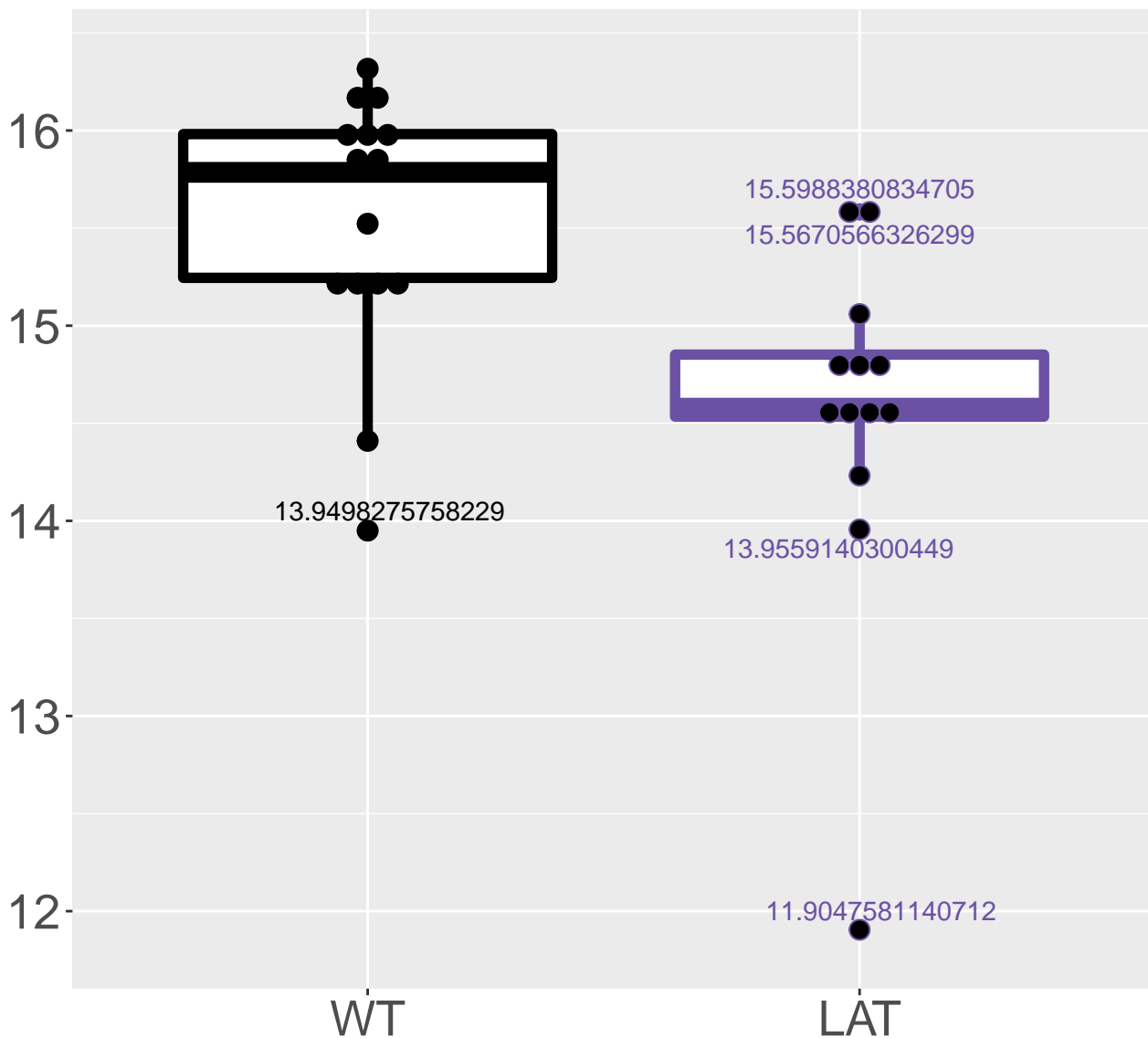
**FDR = 0.0067, FC = 0.53**



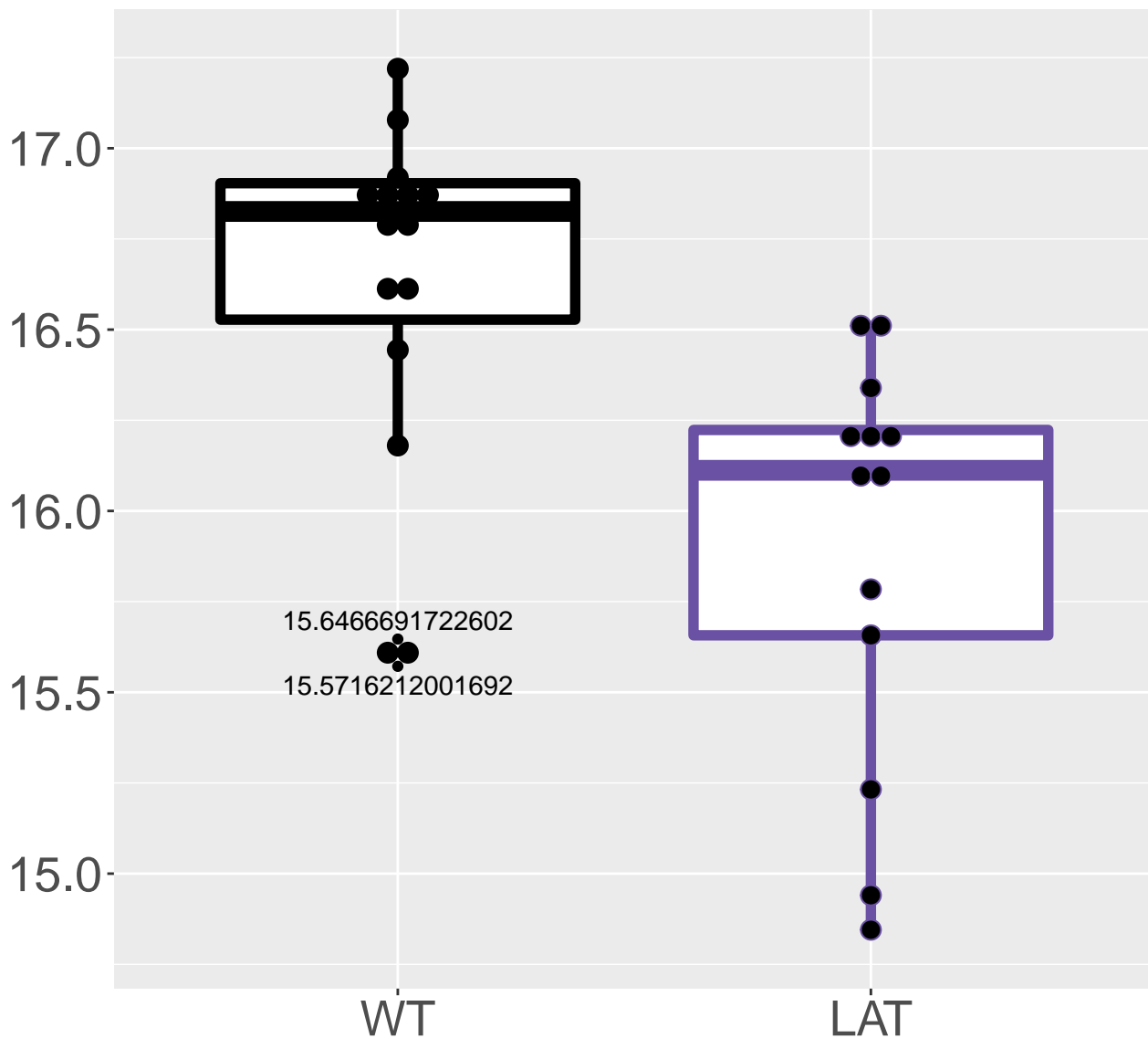
**M384.5669T90.17**  
**FDR = 0.0067, FC = 1.2**



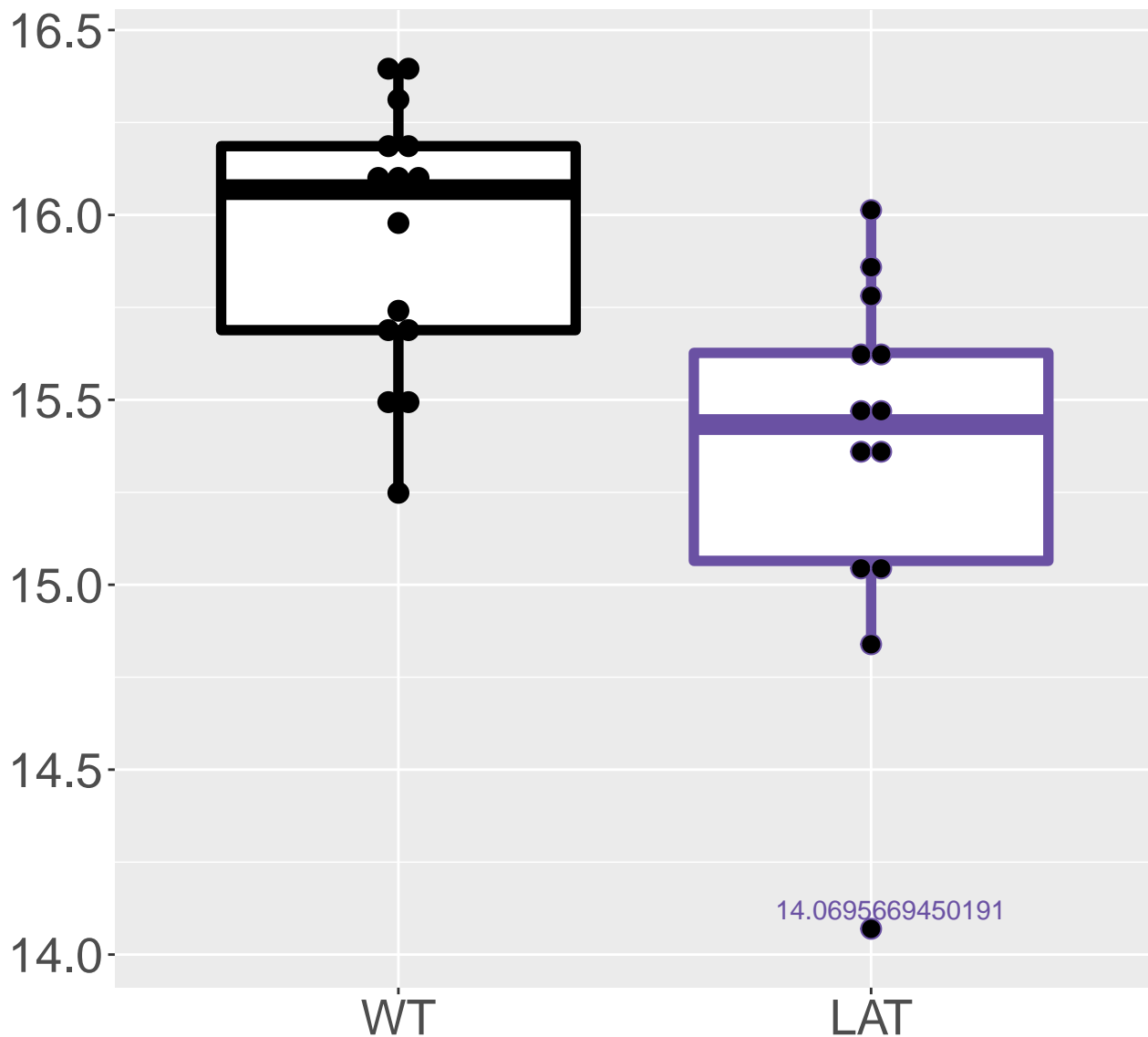
**FDR = 0.0068, FC = -1**



**FDR = 0.0068,  $\overline{FC} = -0.73$**

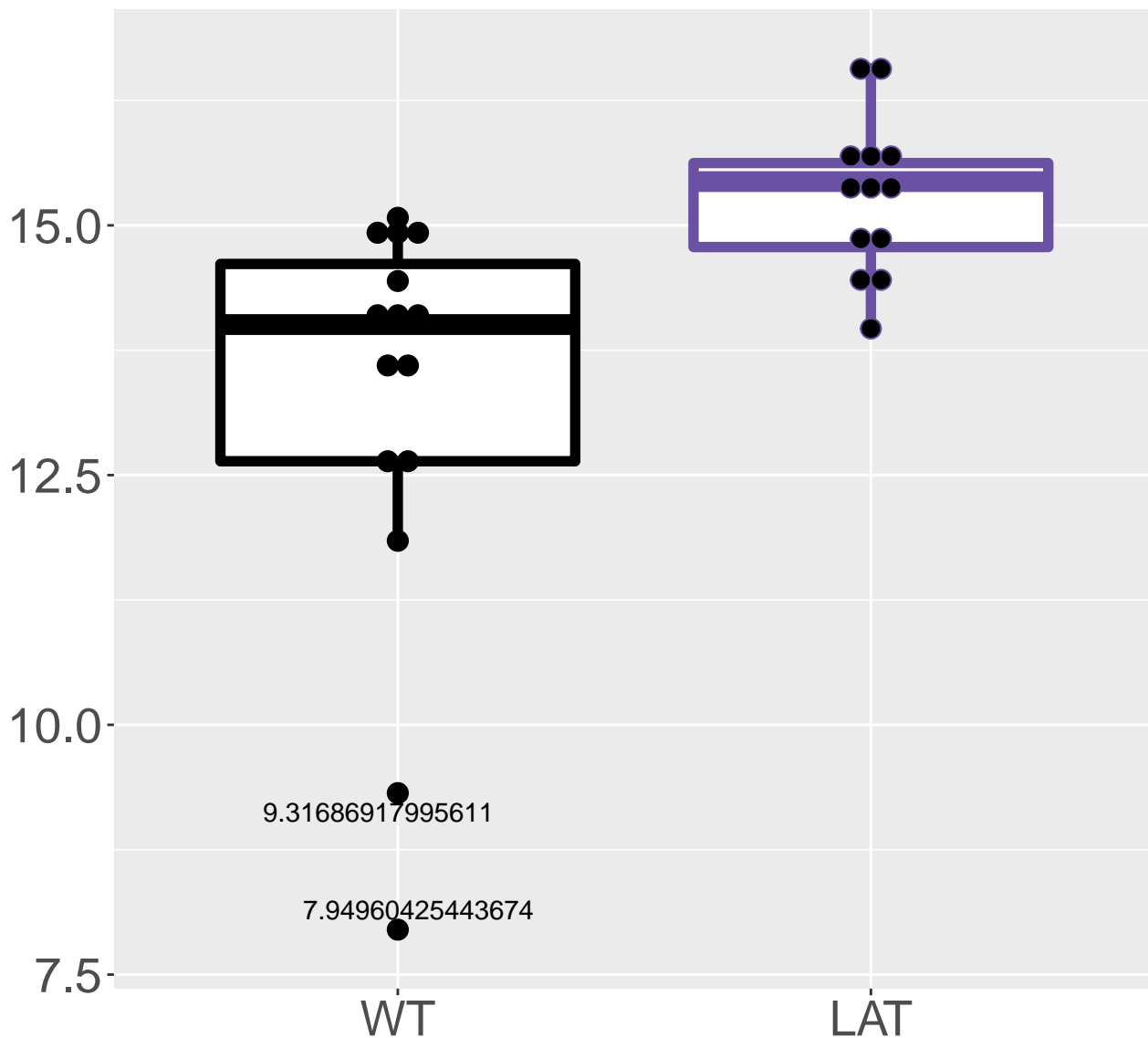


**M160.8026T113.21\_15**  
**FDR = 0.0068, FC = -0.59**



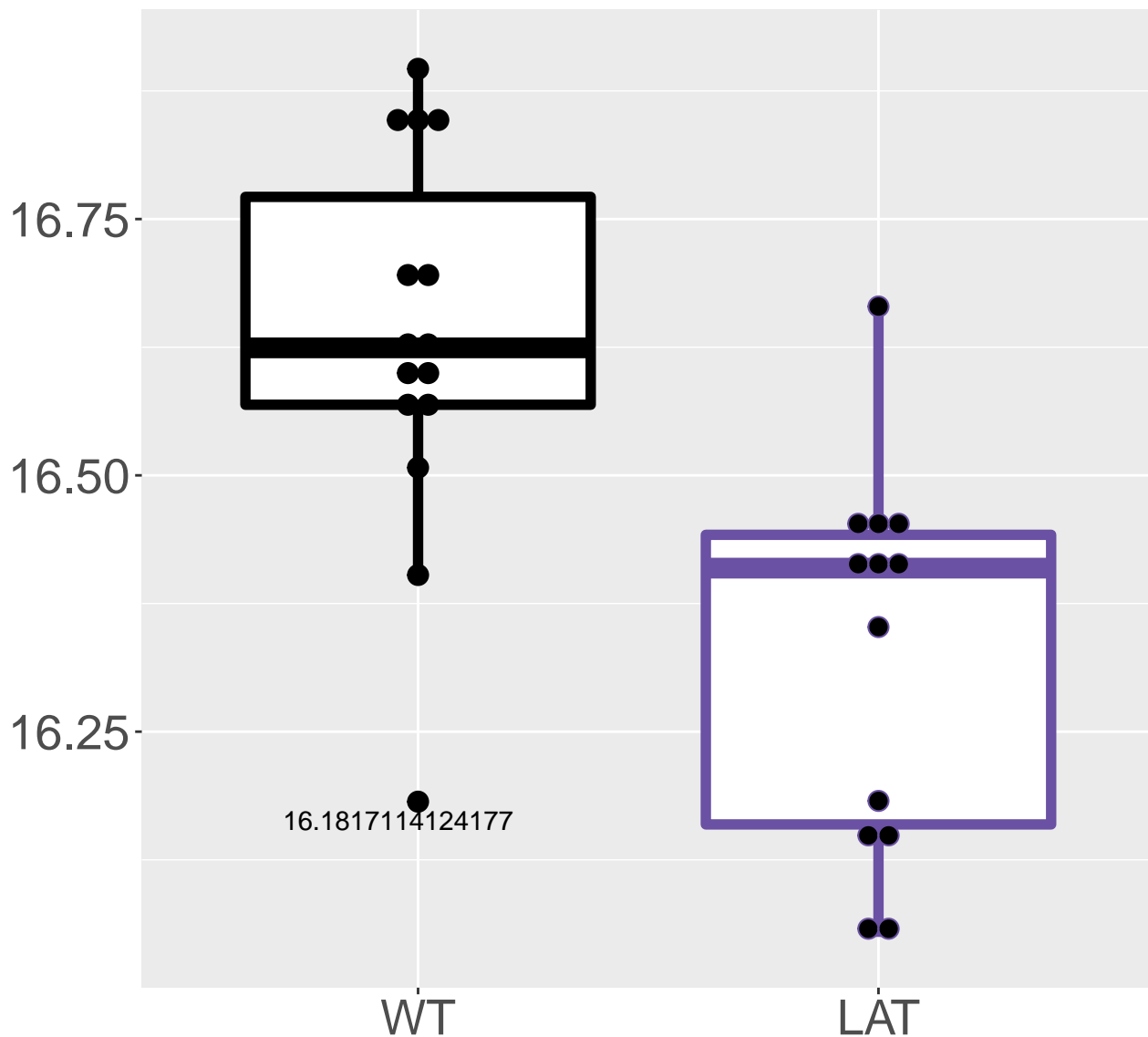


**M473.3267T452.76**  
**FDR = 0.0069, FC = 2.1**

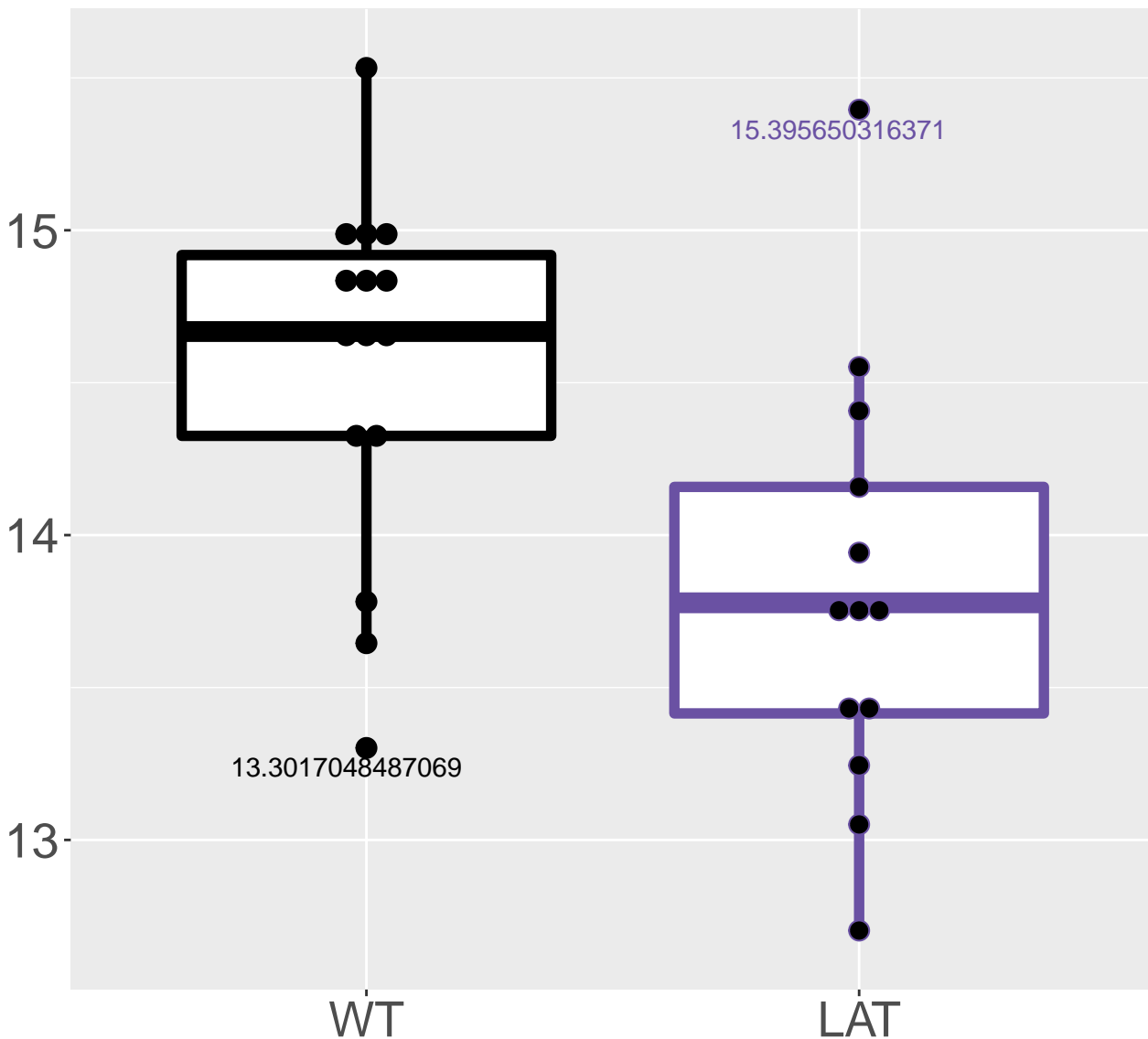


**M224.0526T42.12**

**FDR = 0.0069, FC = -0.31**

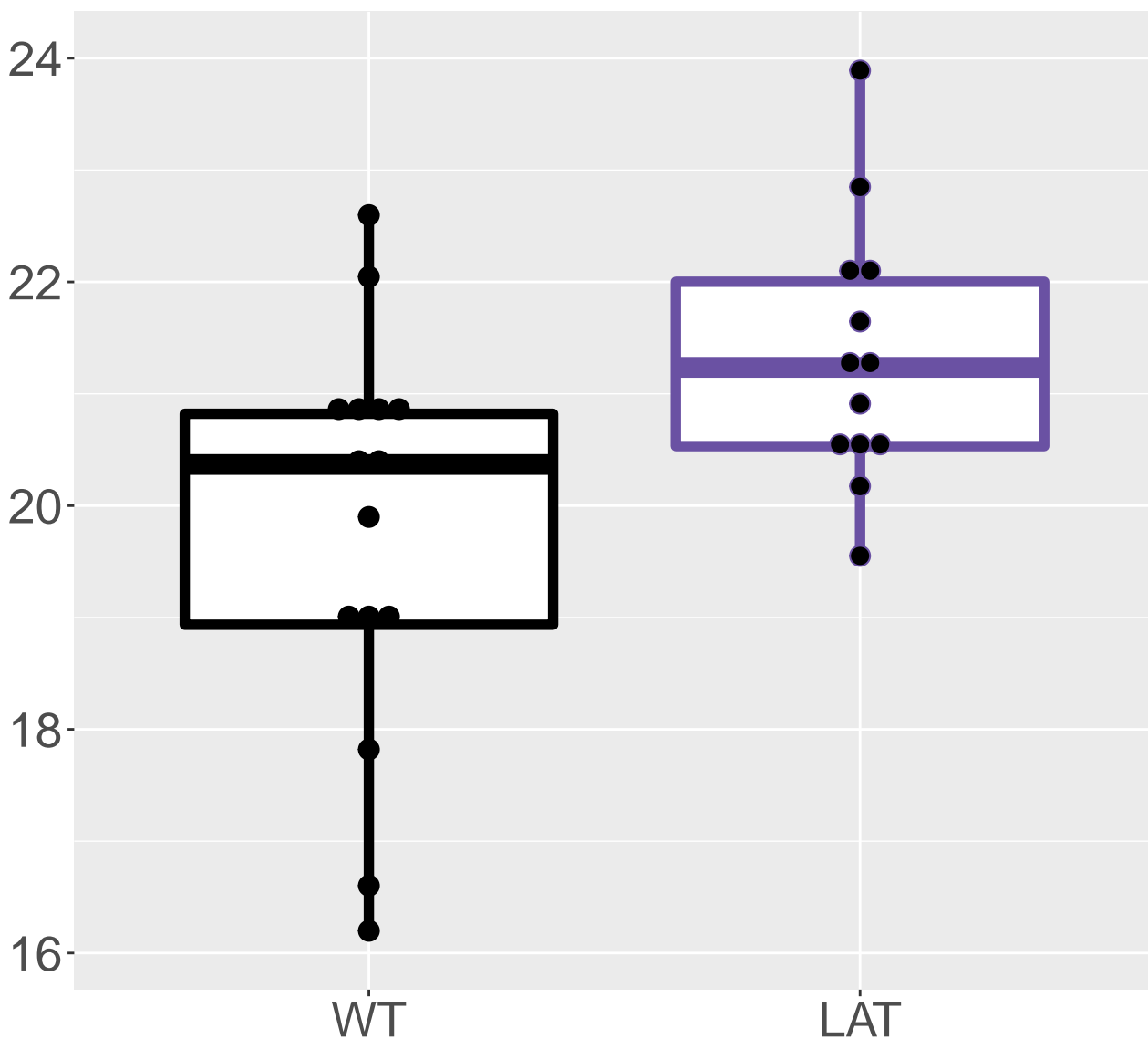


**FDR = 0.0069, FC = -0.74**



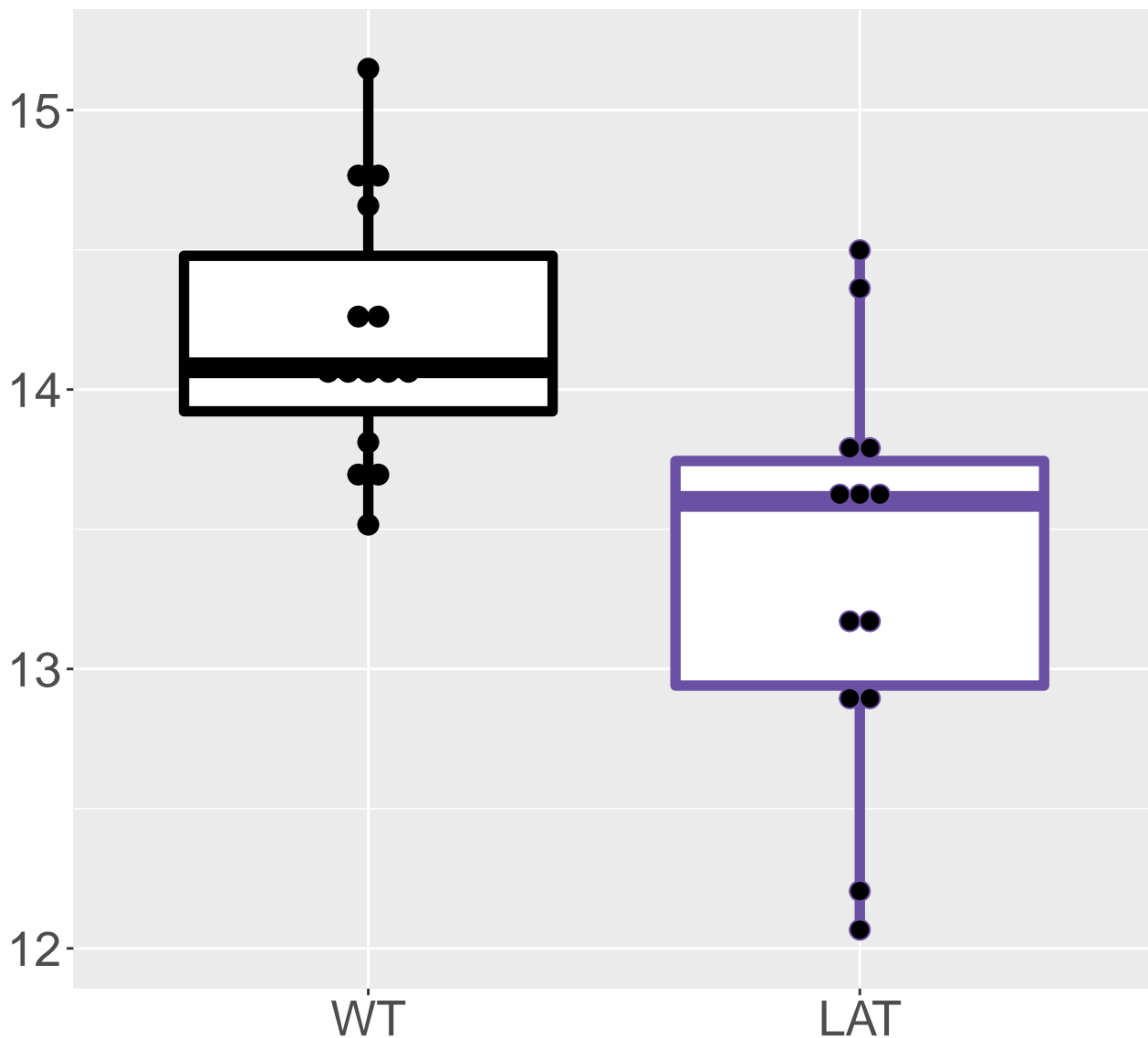
**M480.2786T442.19**

**FDR = 0.0069, FC = 1.6, sex\***



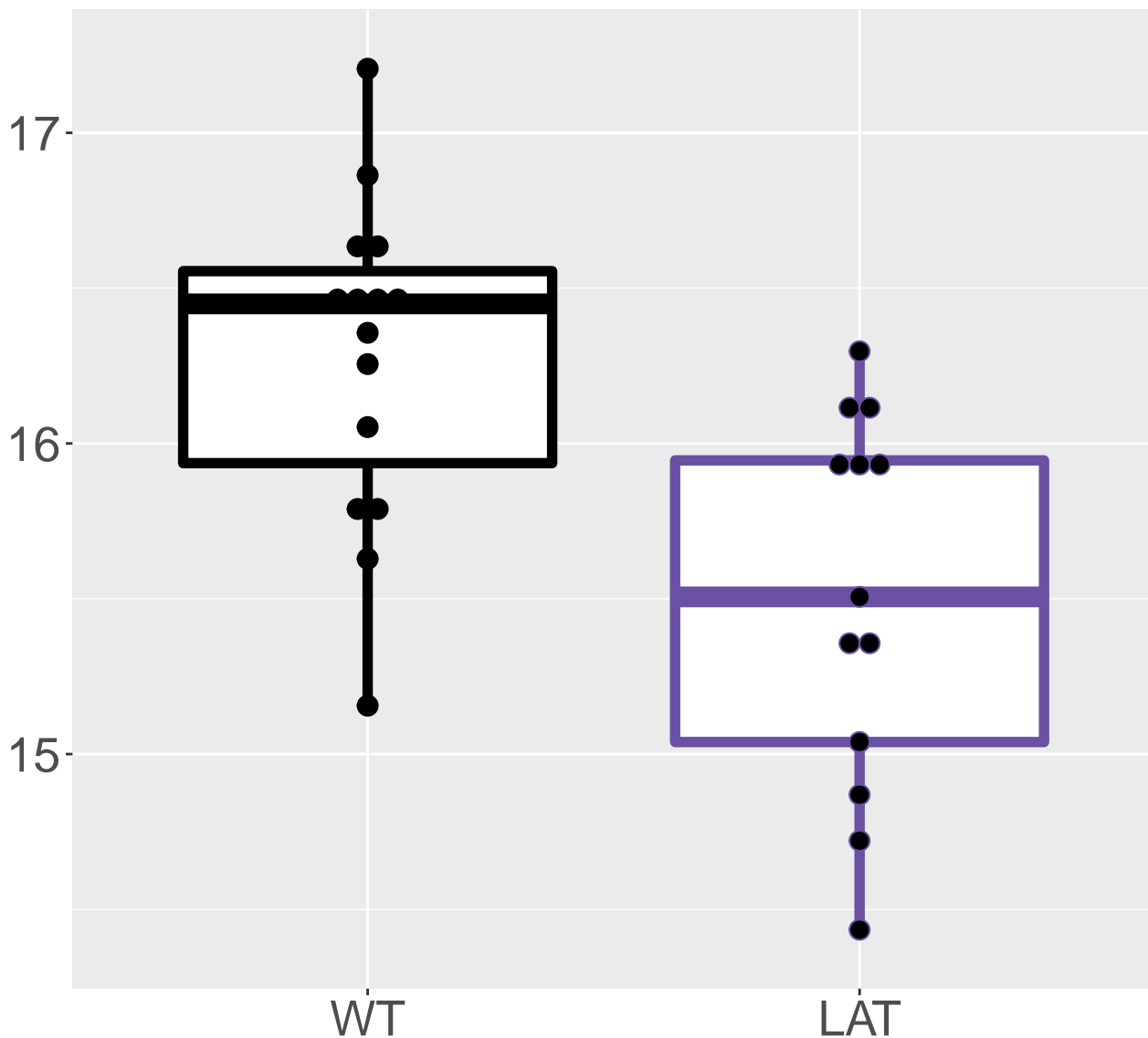
**M207.0461T228.89\_11**

**FDR = 0.0069, FC = -0.83**

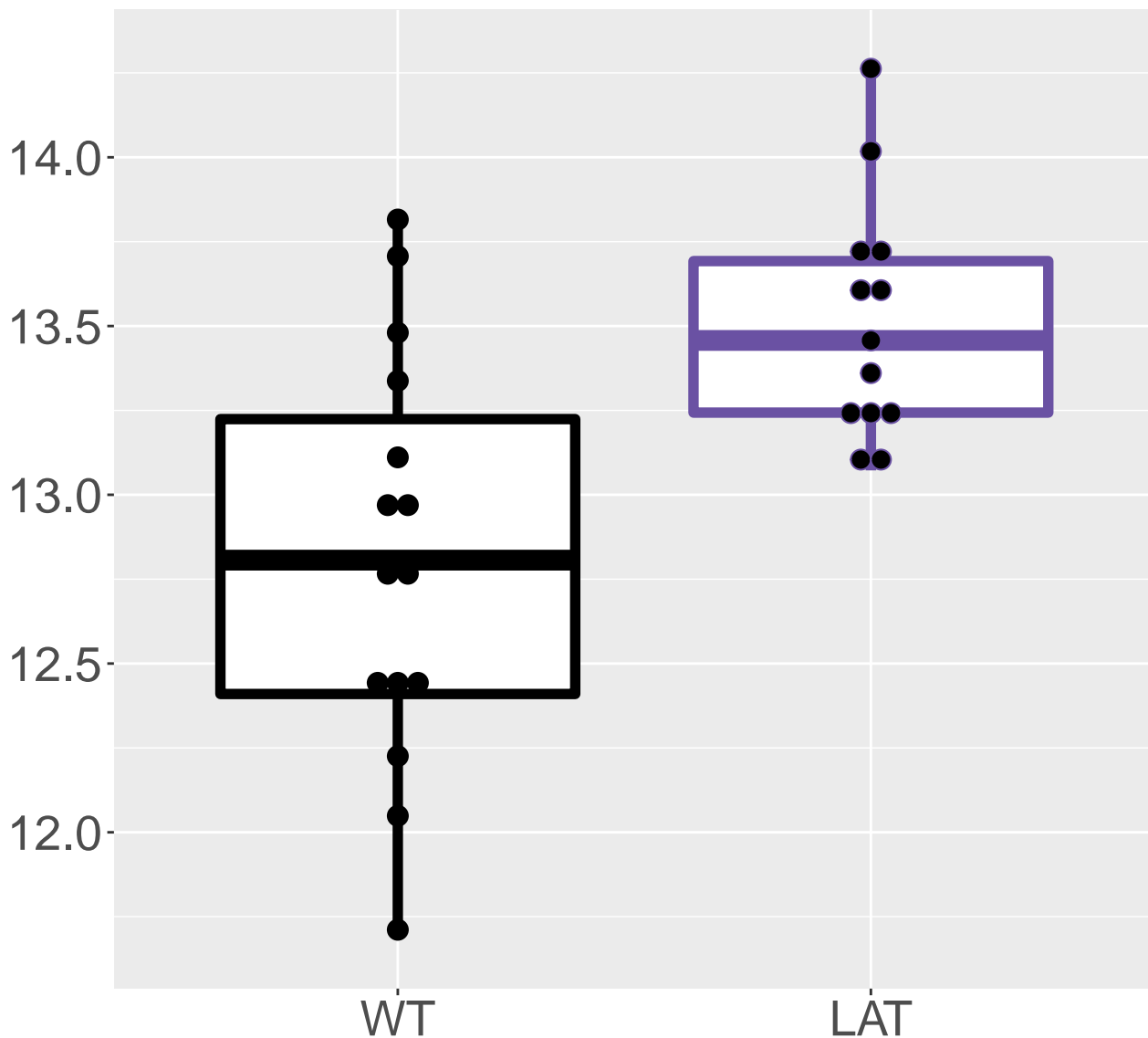


**M163.8618T113.19\_18**

**FDR = 0.007, FC = -0.77**

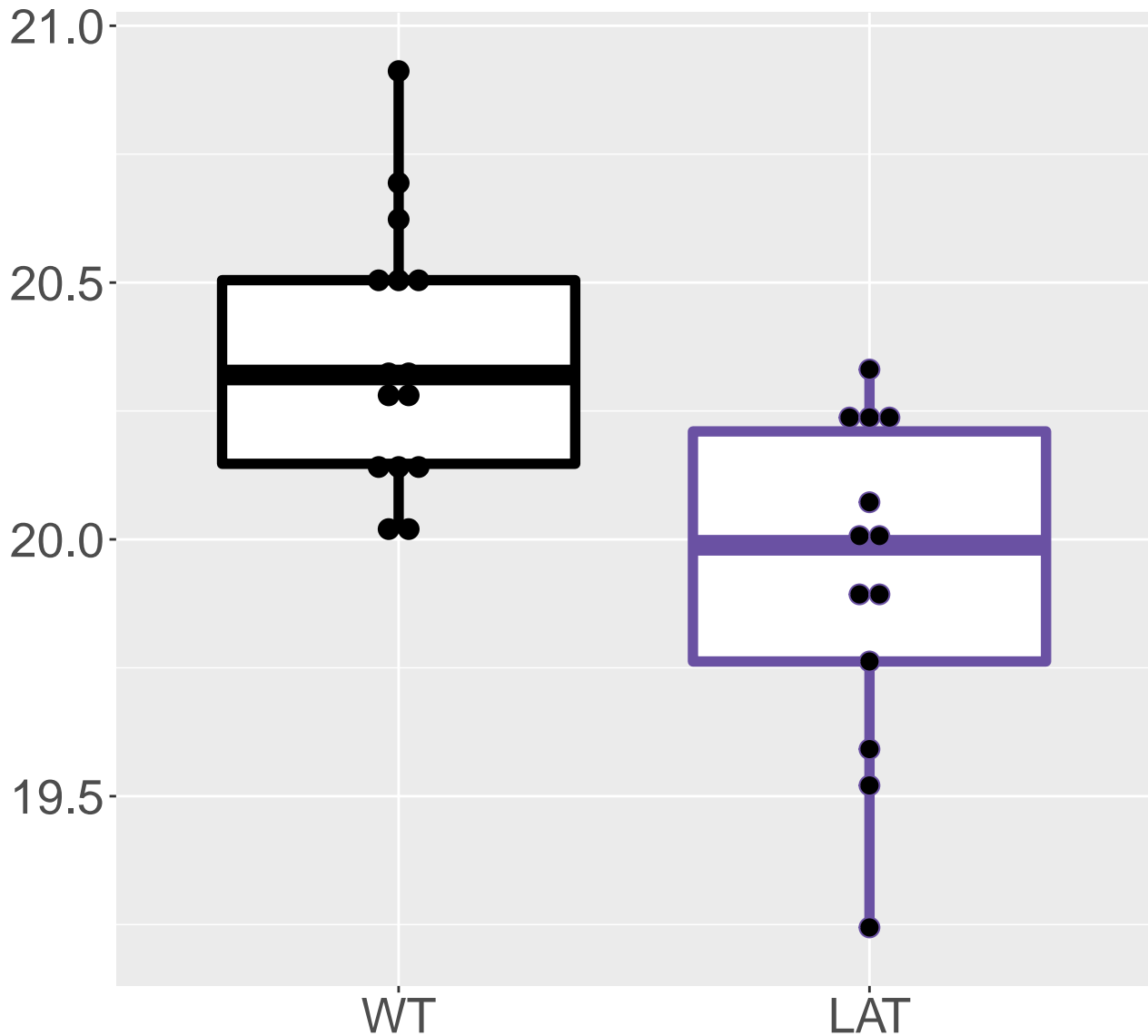


**M344.1891T87.71**  
**FDR = 0.007, FC = 0.7**



**M204.0876T50.64**

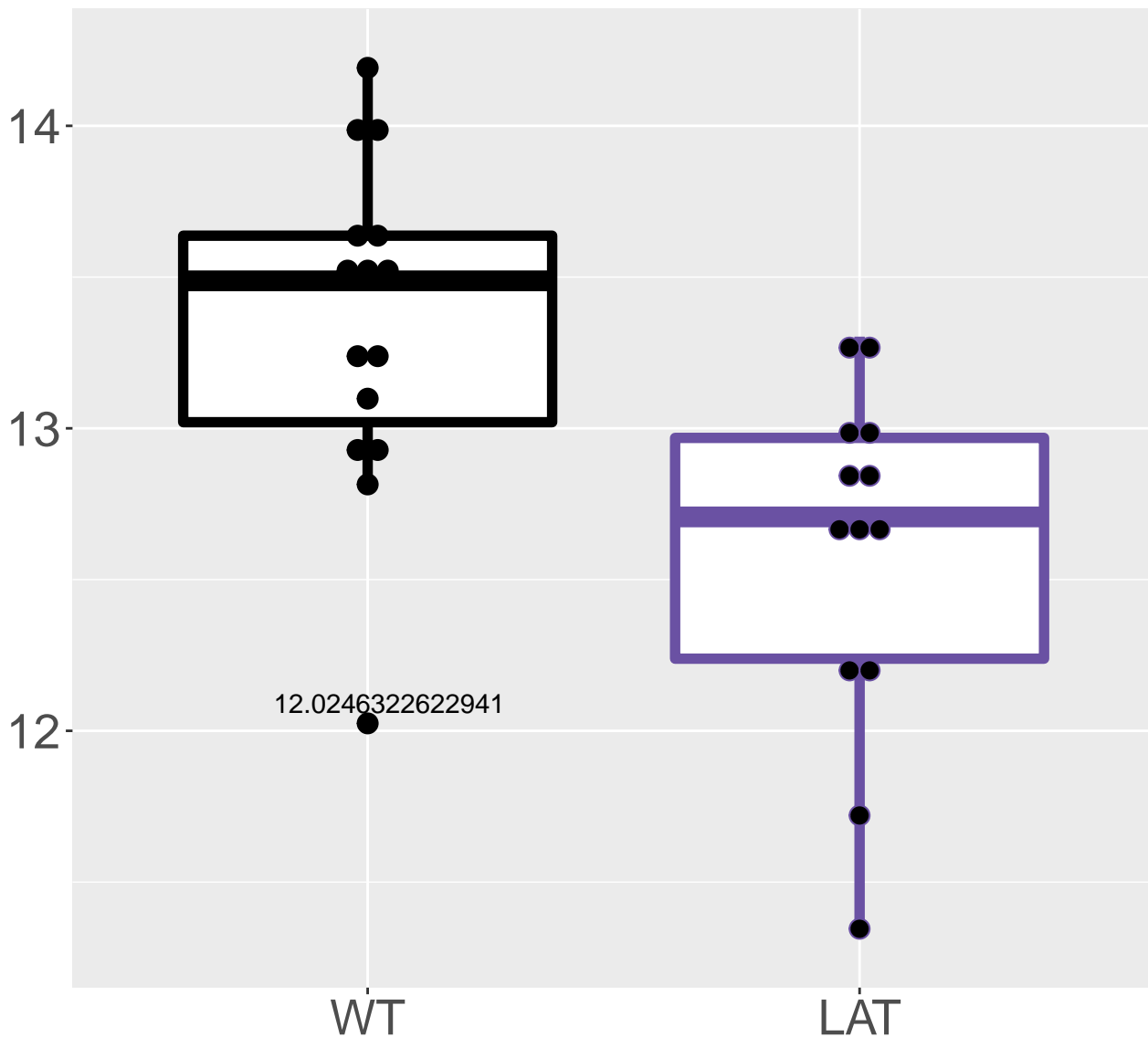
**FDR = 0.007, FC = -0.44**



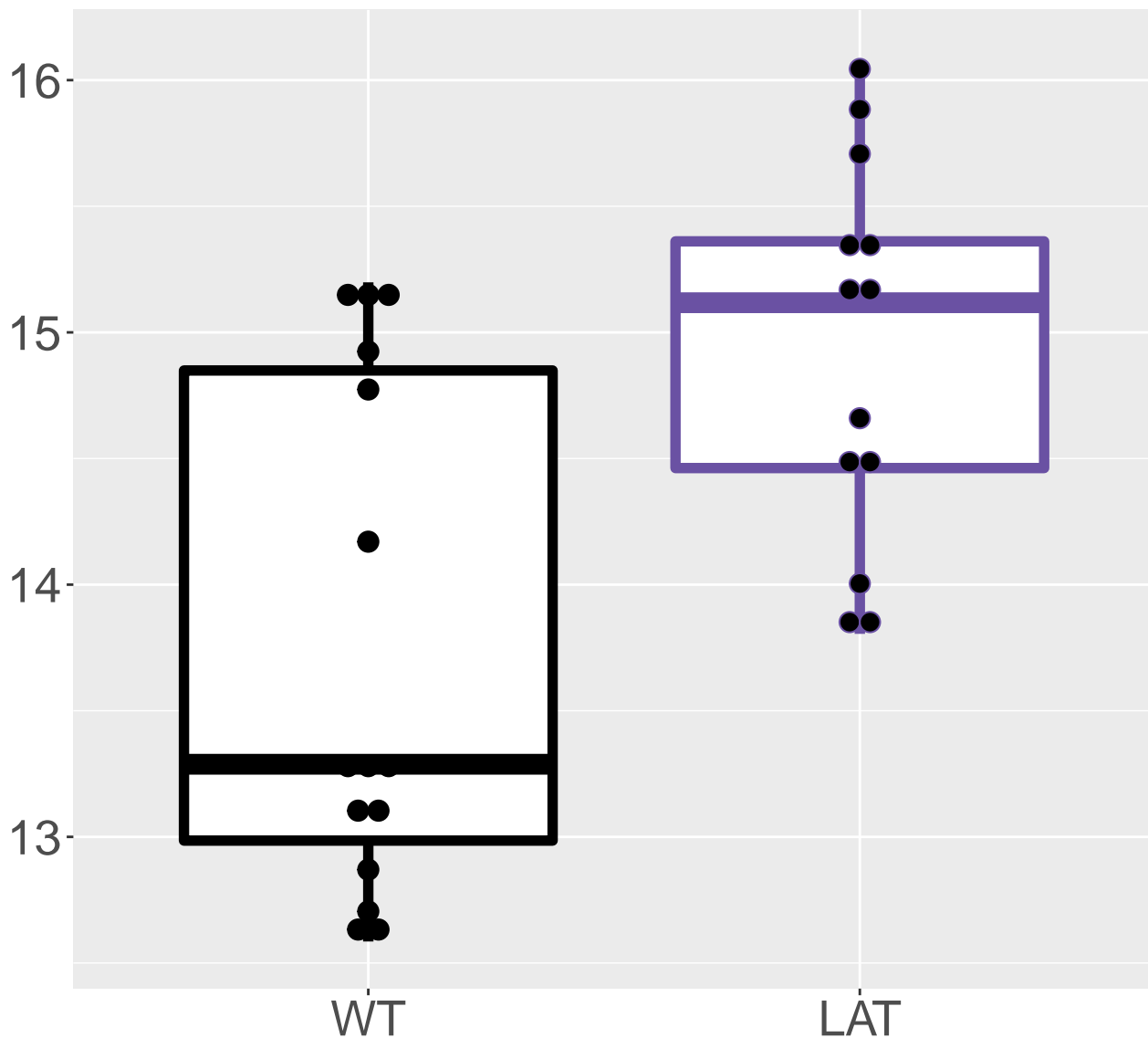


**M363.1972T293.4\_1**

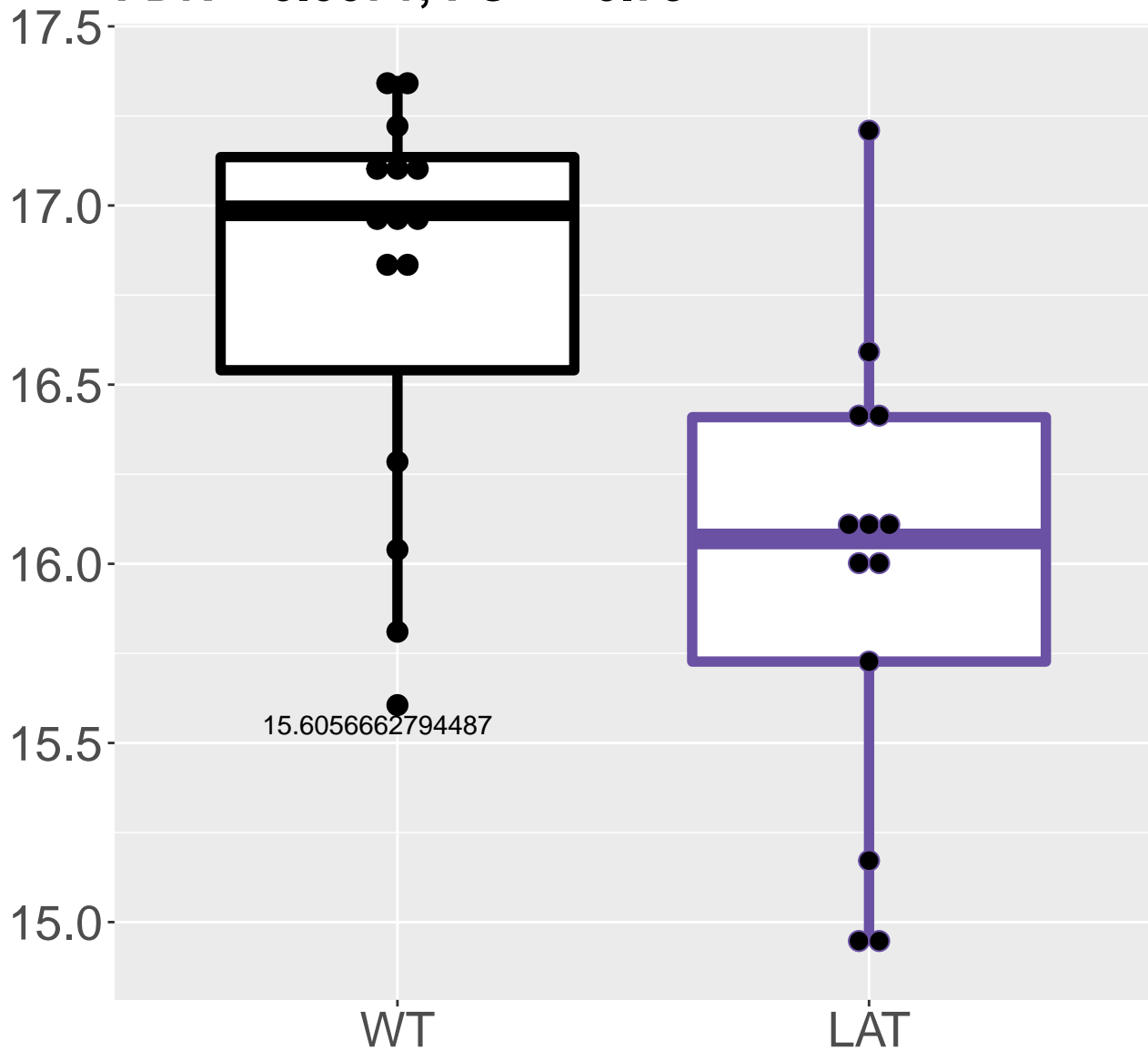
**FDR = 0.007, FC = -0.76**



**M375.1395T246.52**  
**FDR = 0.007, FC = 1.2**

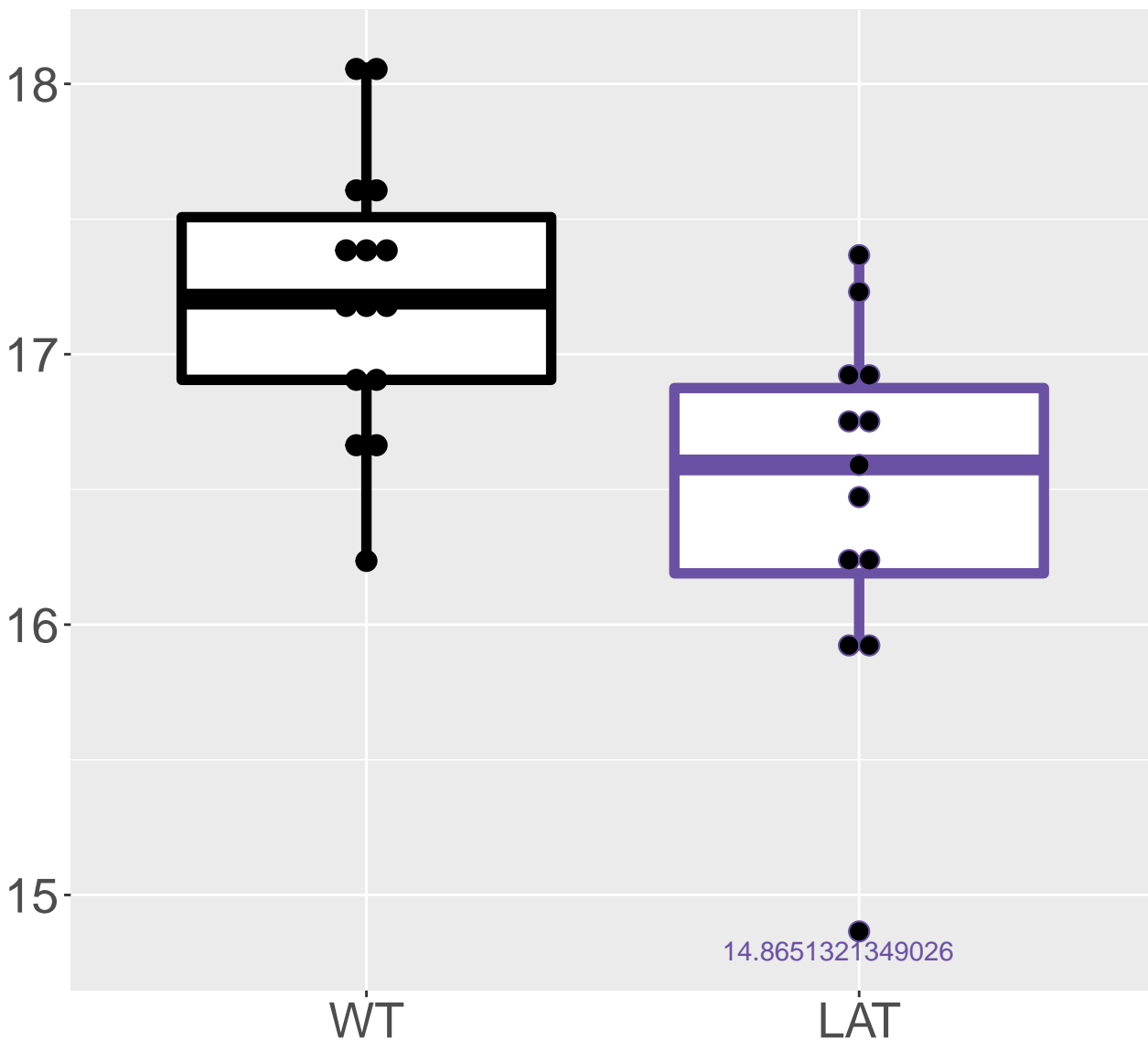


**M128.5829T75.45\_4**  
**FDR = 0.0071, FC = -0.79**

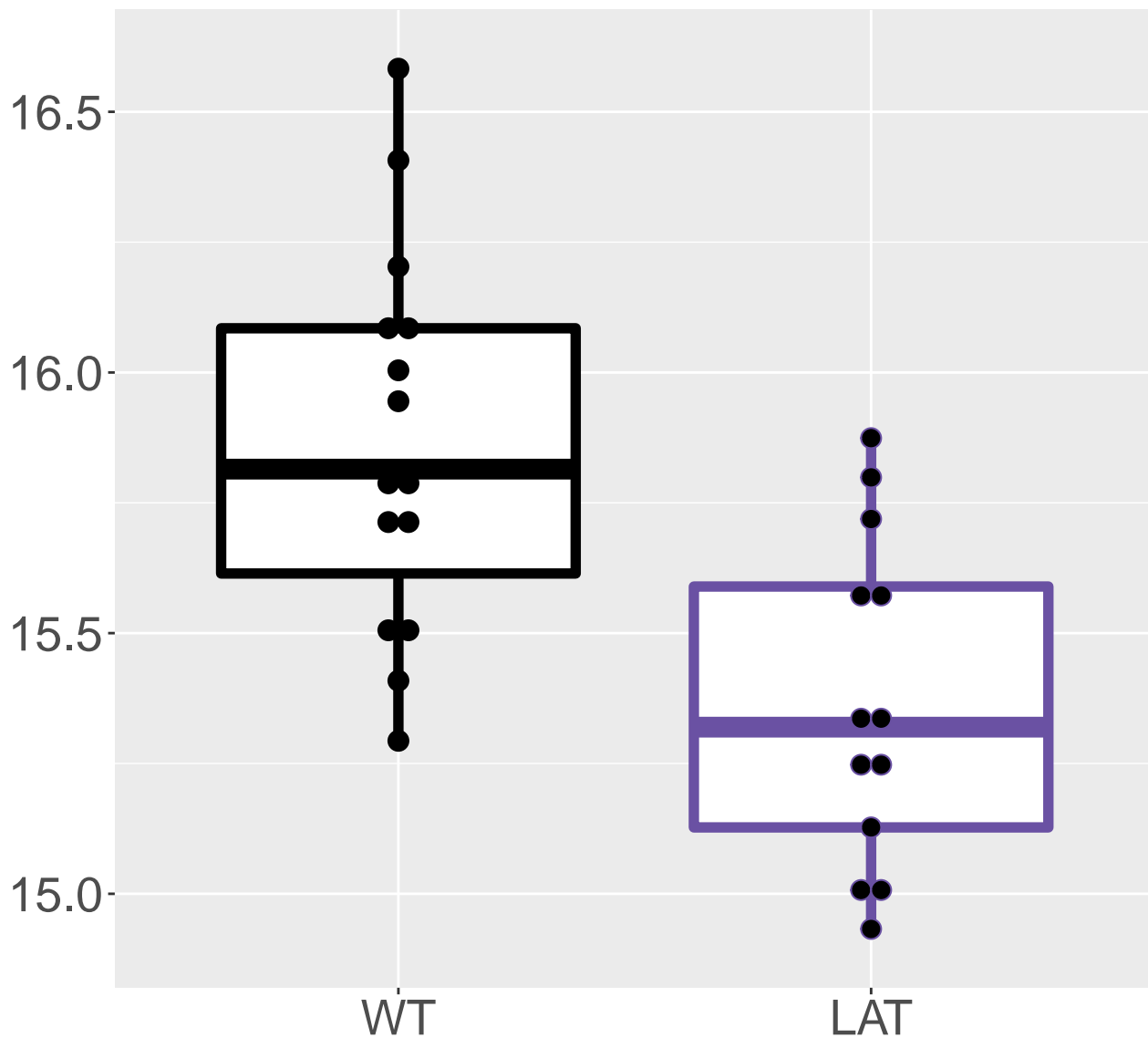


**M131.1528T75.46\_33**

**FDR = 0.0071, FC = -0.75**

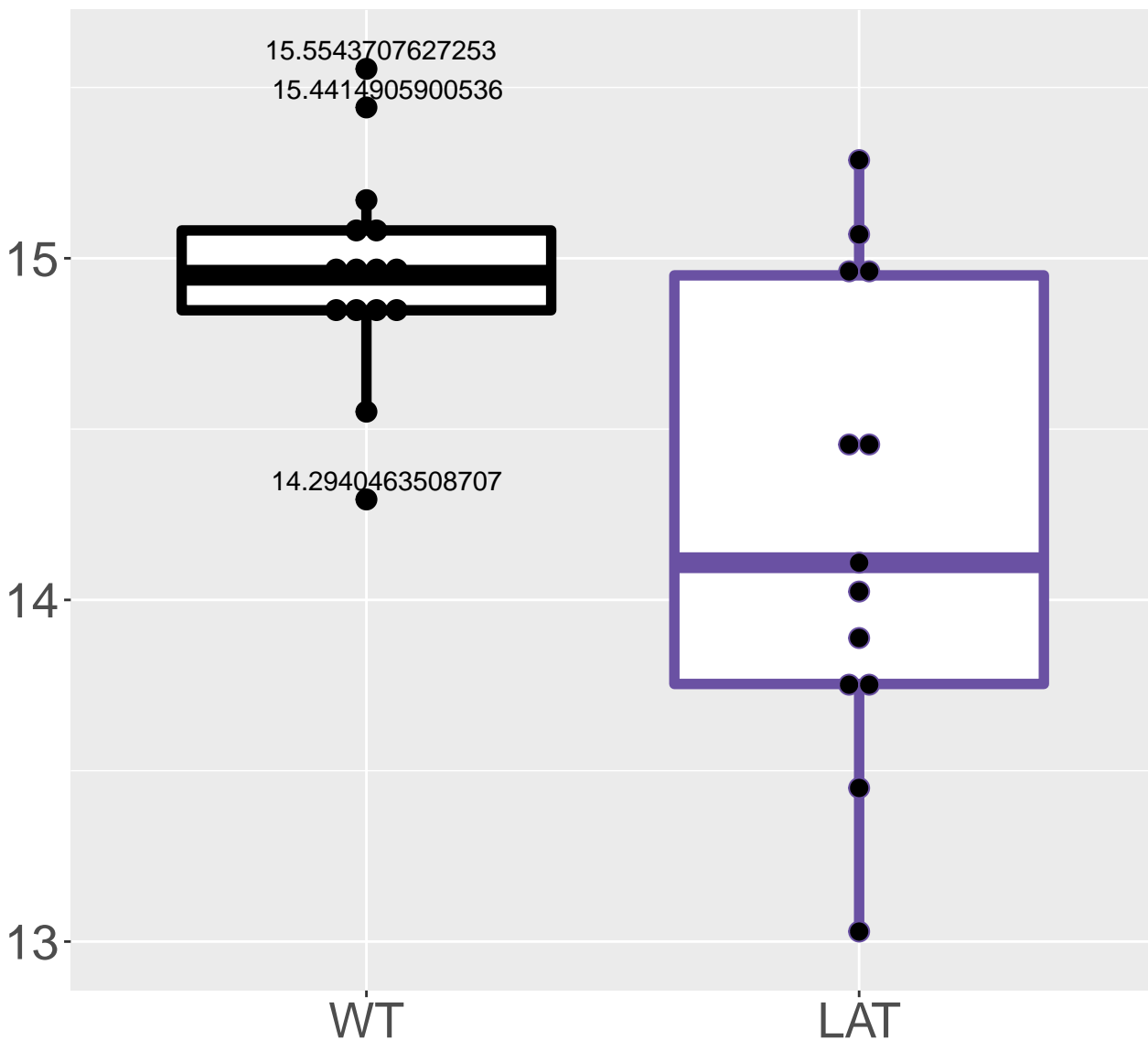


**M159.7678T113.19\_13**  
**FDR = 0.0071, FC = -0.5**



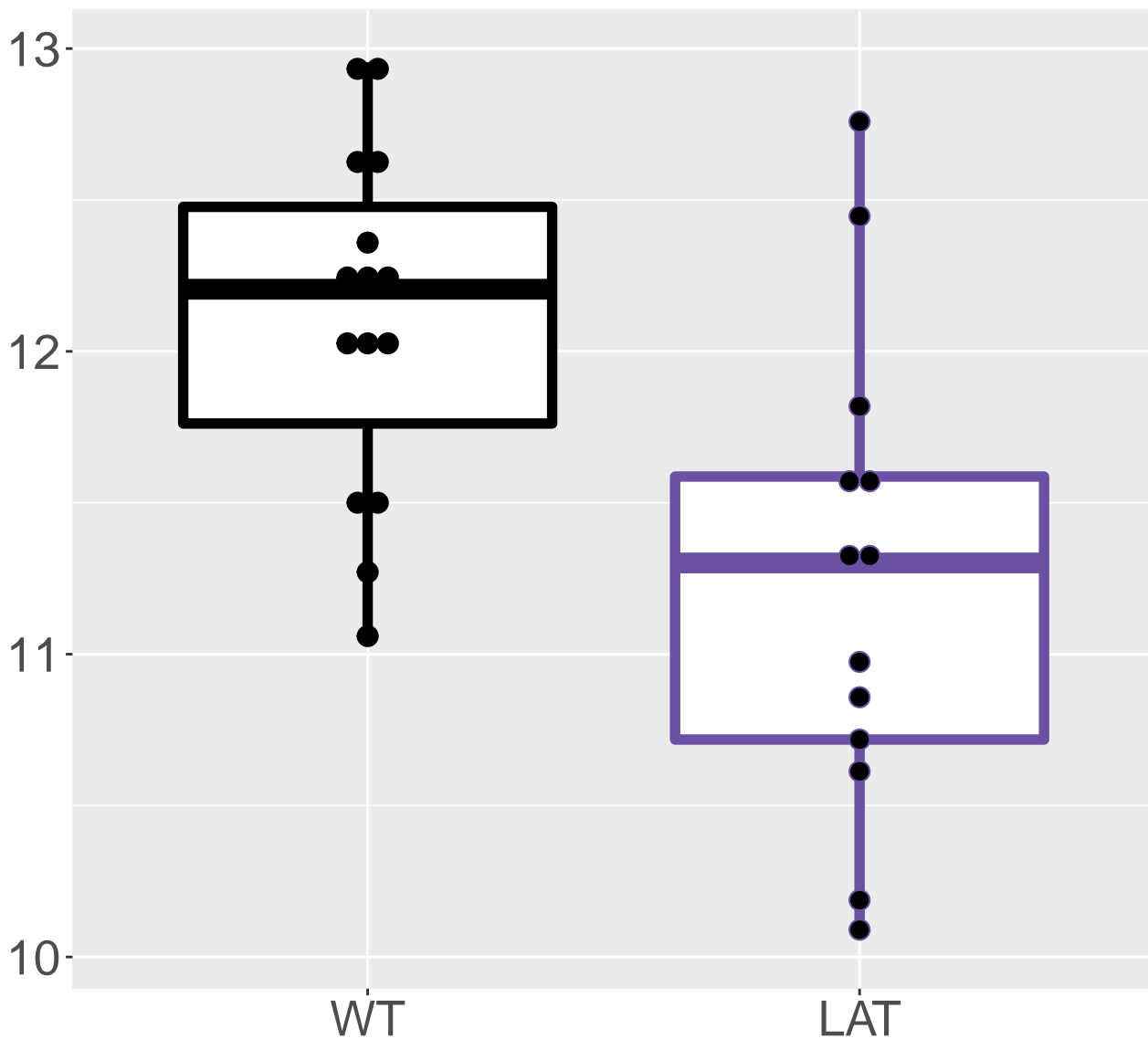


**FDR = 0.0071, FC = -0.72**



**M299.5254T242.3**

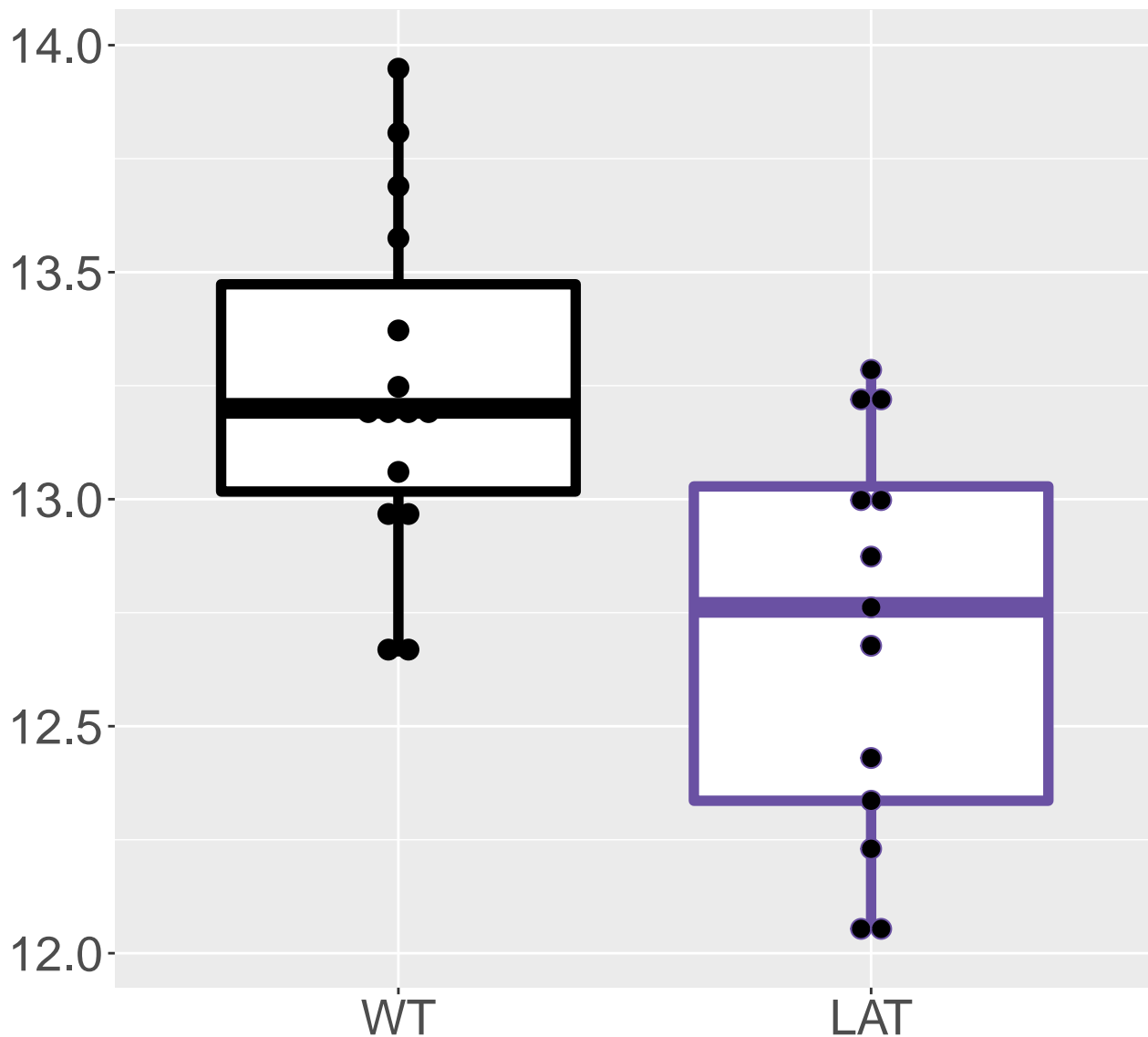
**FDR = 0.0071, FC = -0.85**



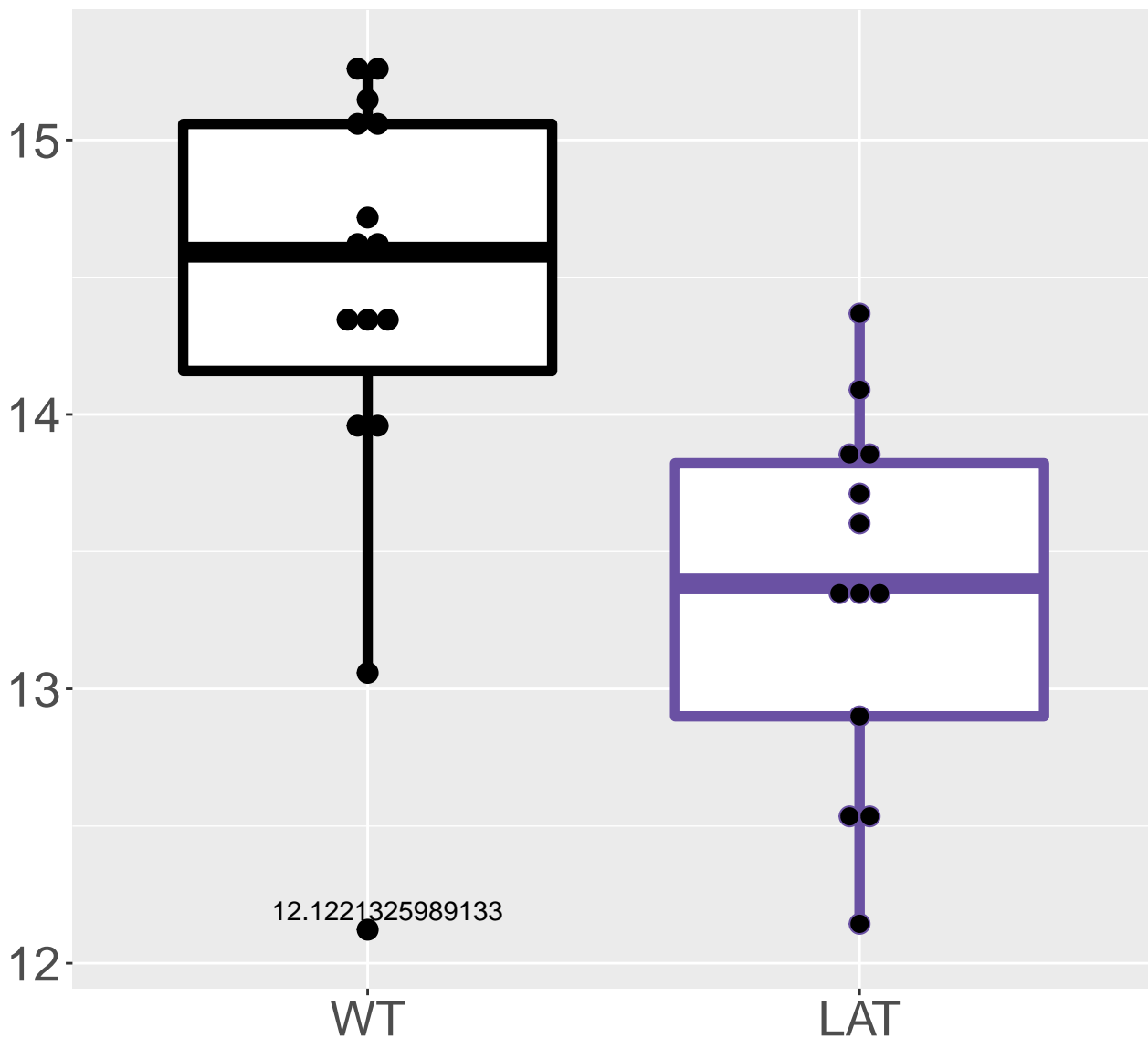


**M600.2605T504.38**

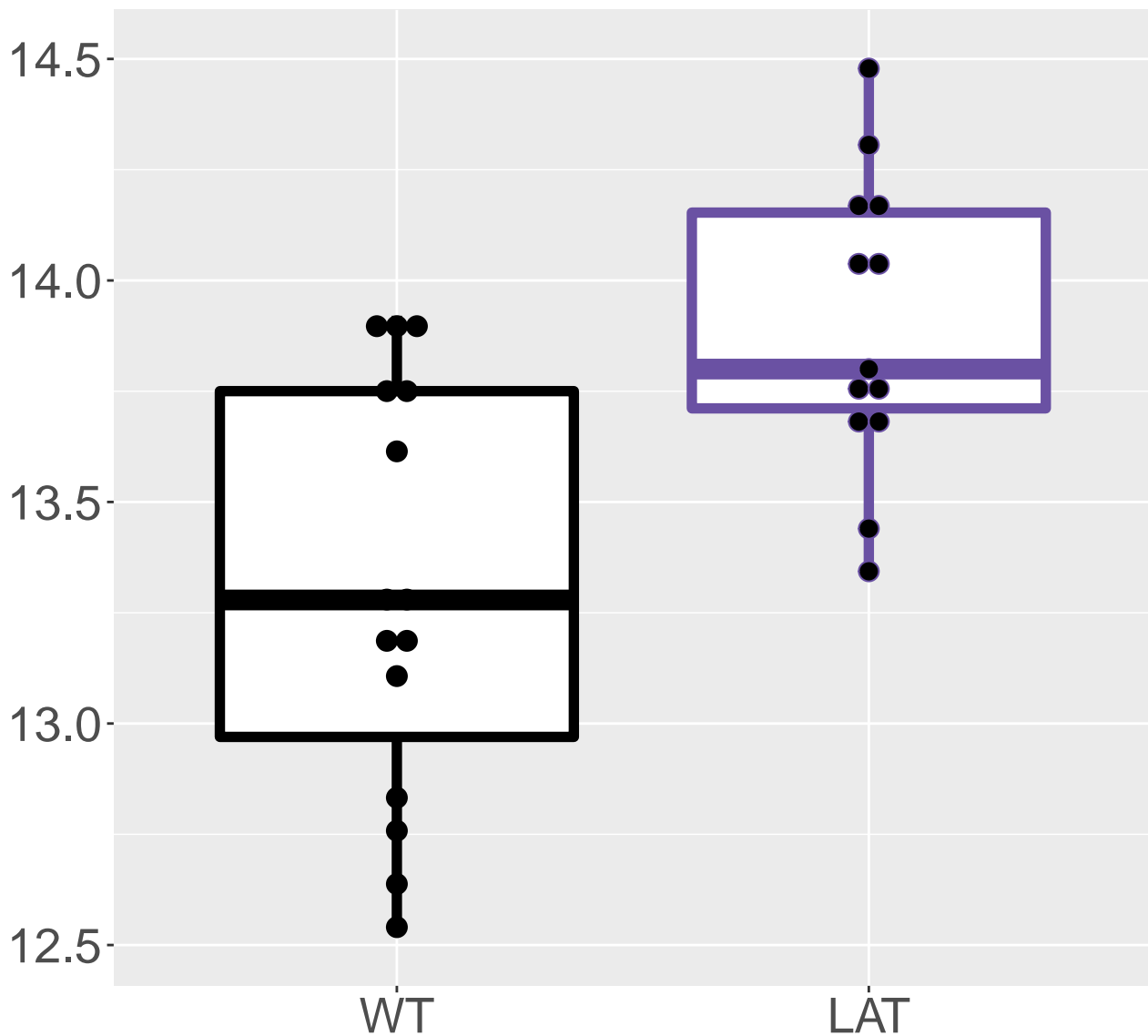
**FDR = 0.0072, FC = -0.55**



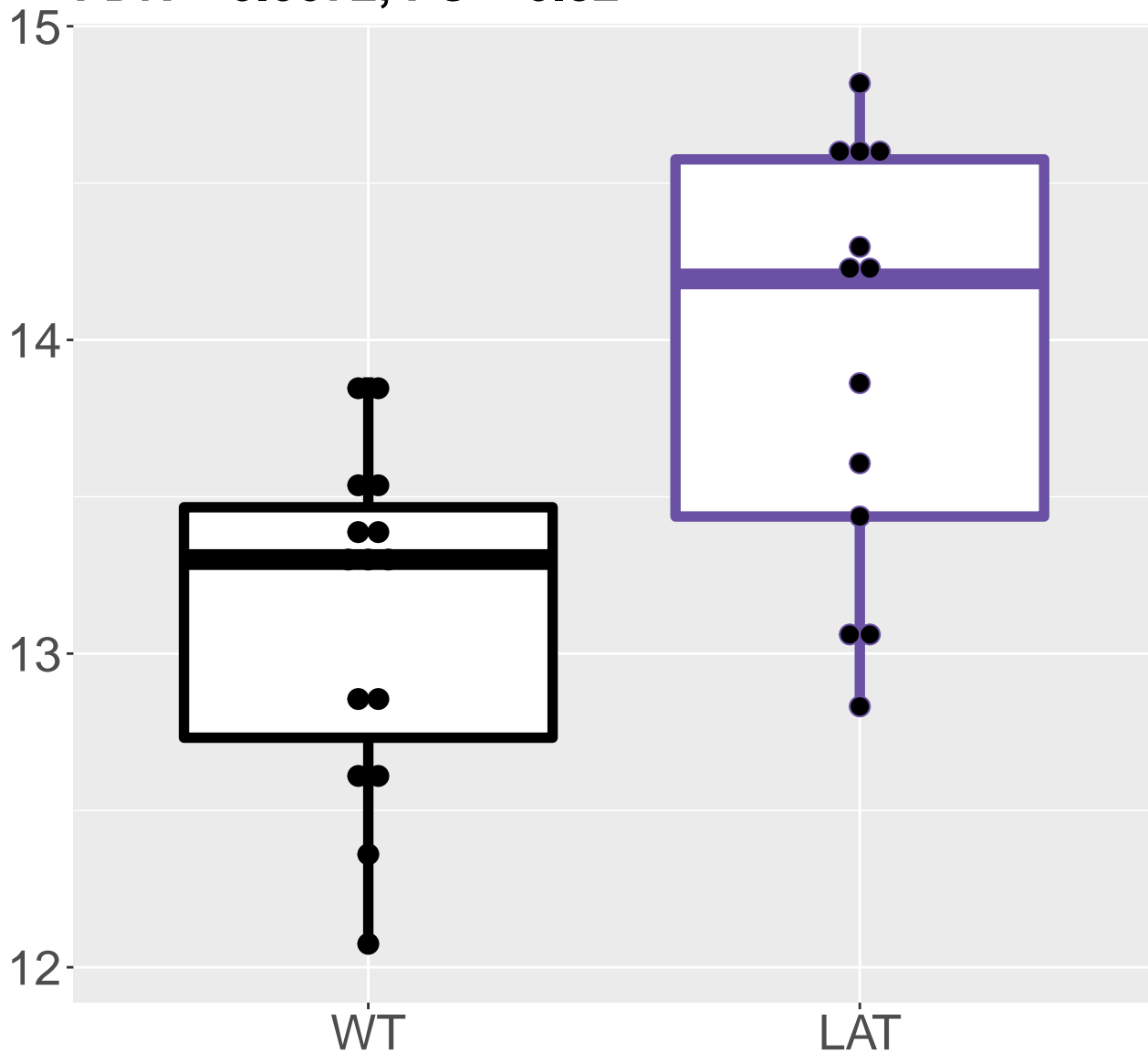
**M702.6341T330.61\_1**  
**FDR = 0.0072, FC = -1**



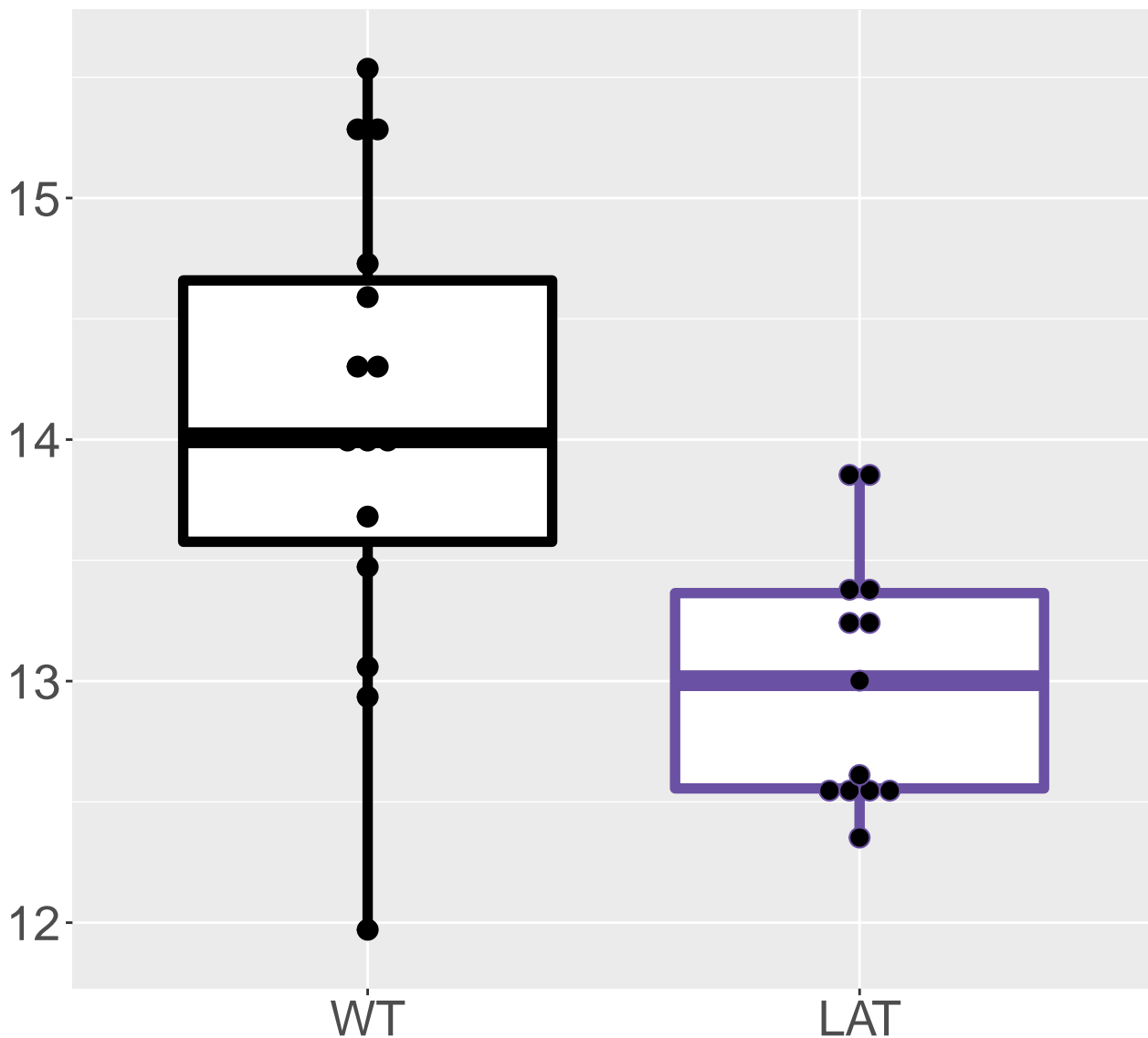
**M471.6508T321.07\_1**  
**FDR = 0.0072, FC = 0.59**



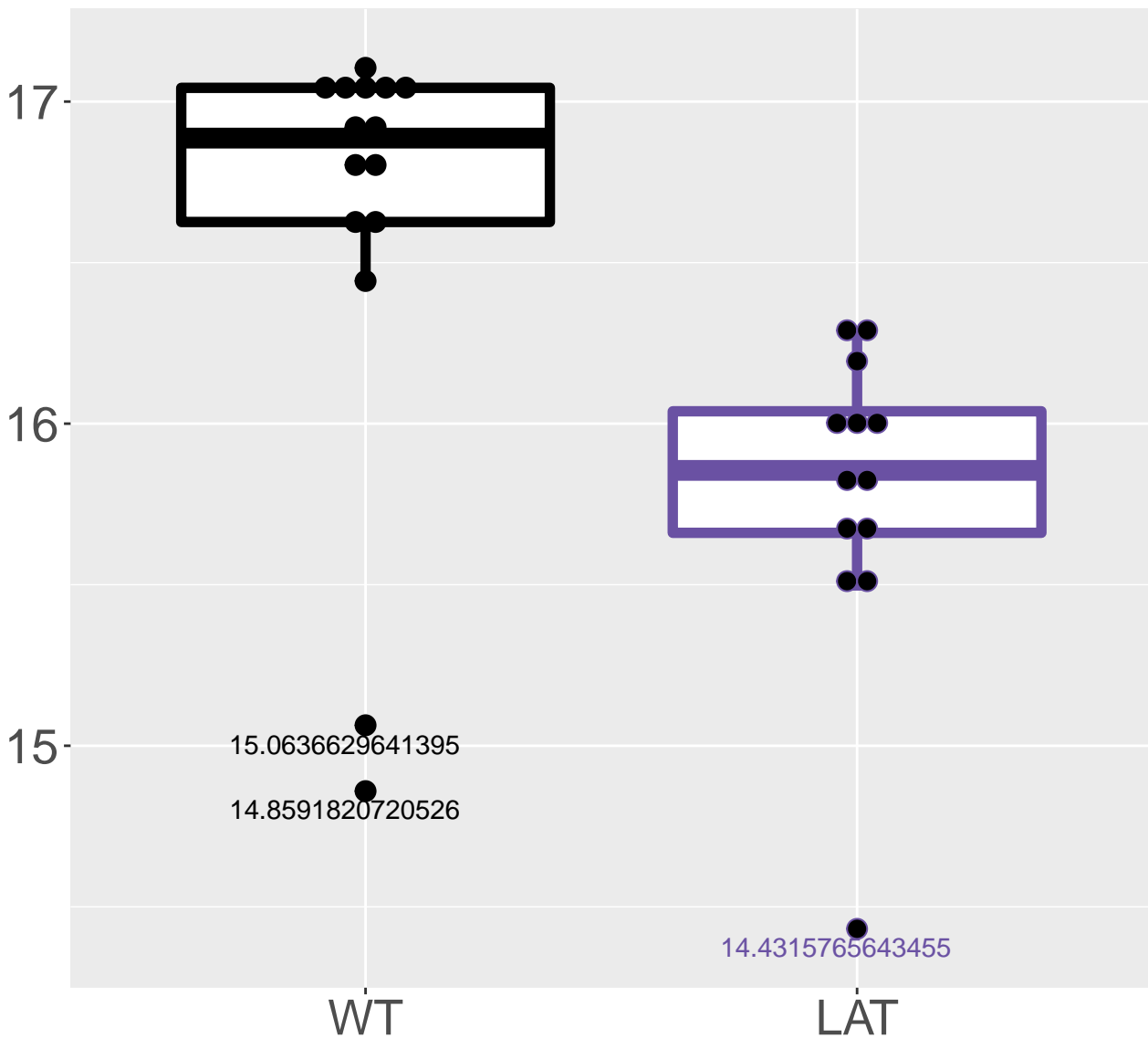
**Sebacic acid**  
**FDR = 0.0072, FC = 0.82**



**M461.9876T278.38\_1**  
**FDR = 0.0073, FC = -1.1**

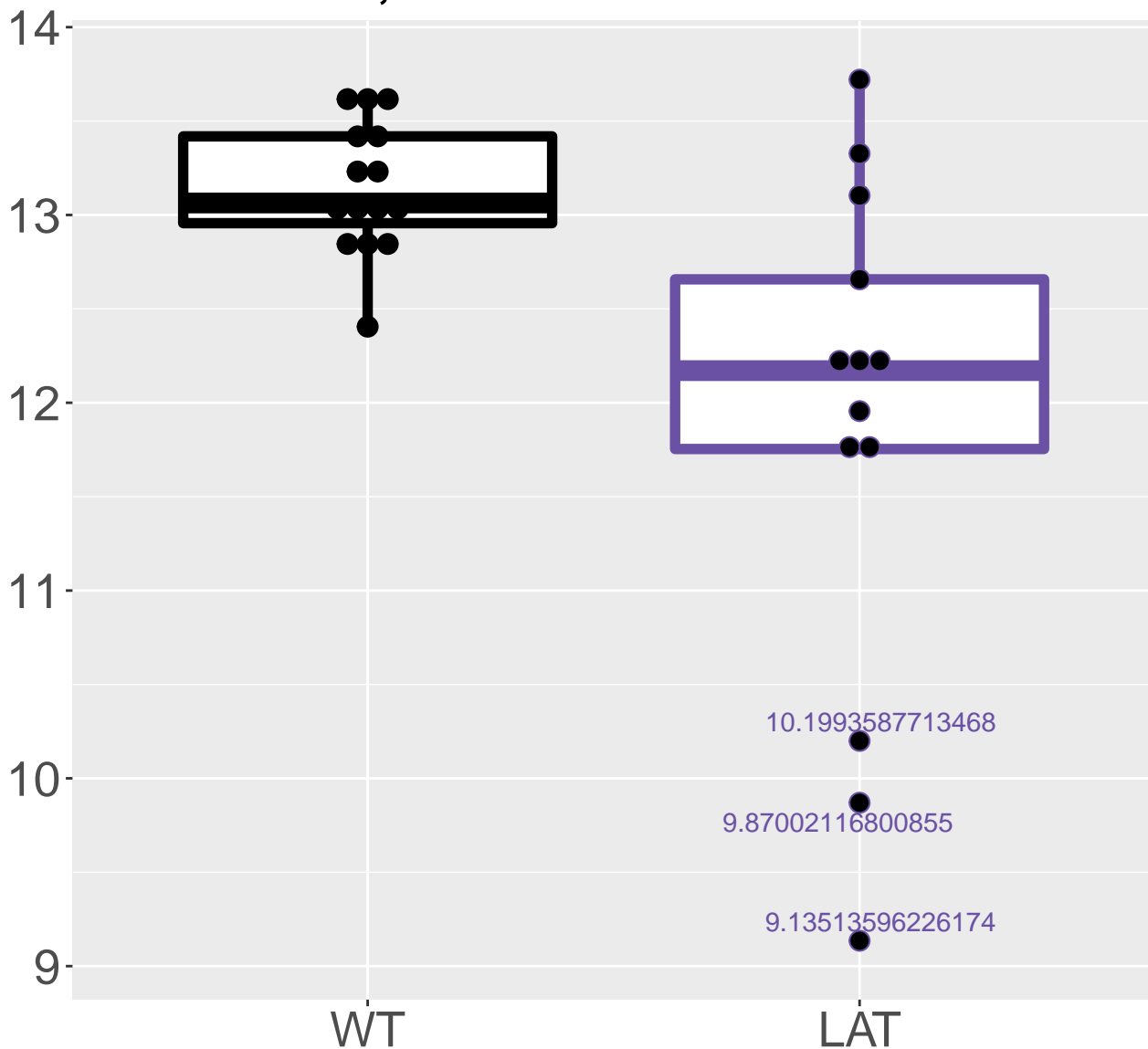


**M922.5061T377.53\_1**  
**FDR = 0.0073, FC = -0.84**



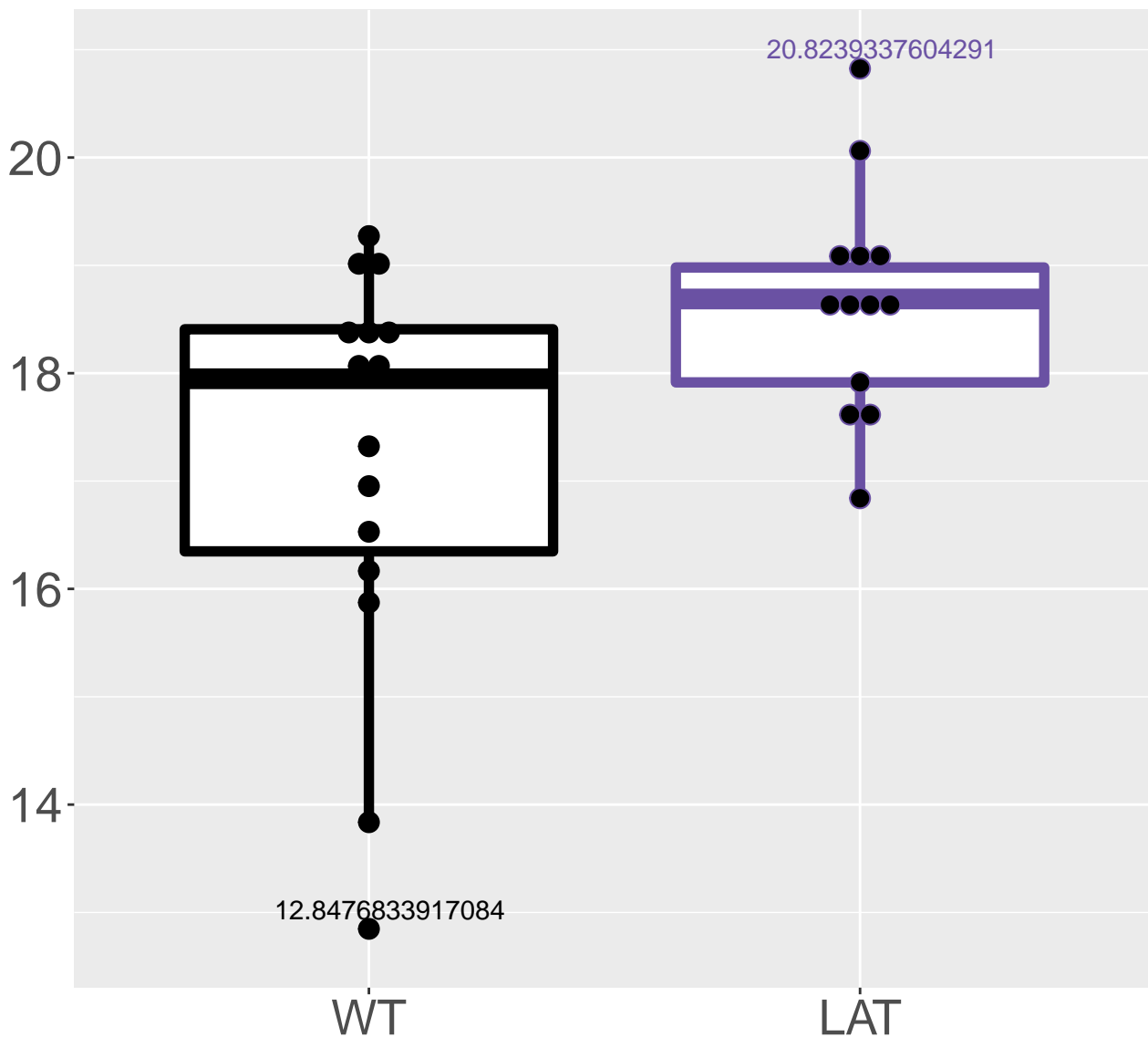
**M354.8732T178.66**

**FDR = 0.0073, FC = -1.3**



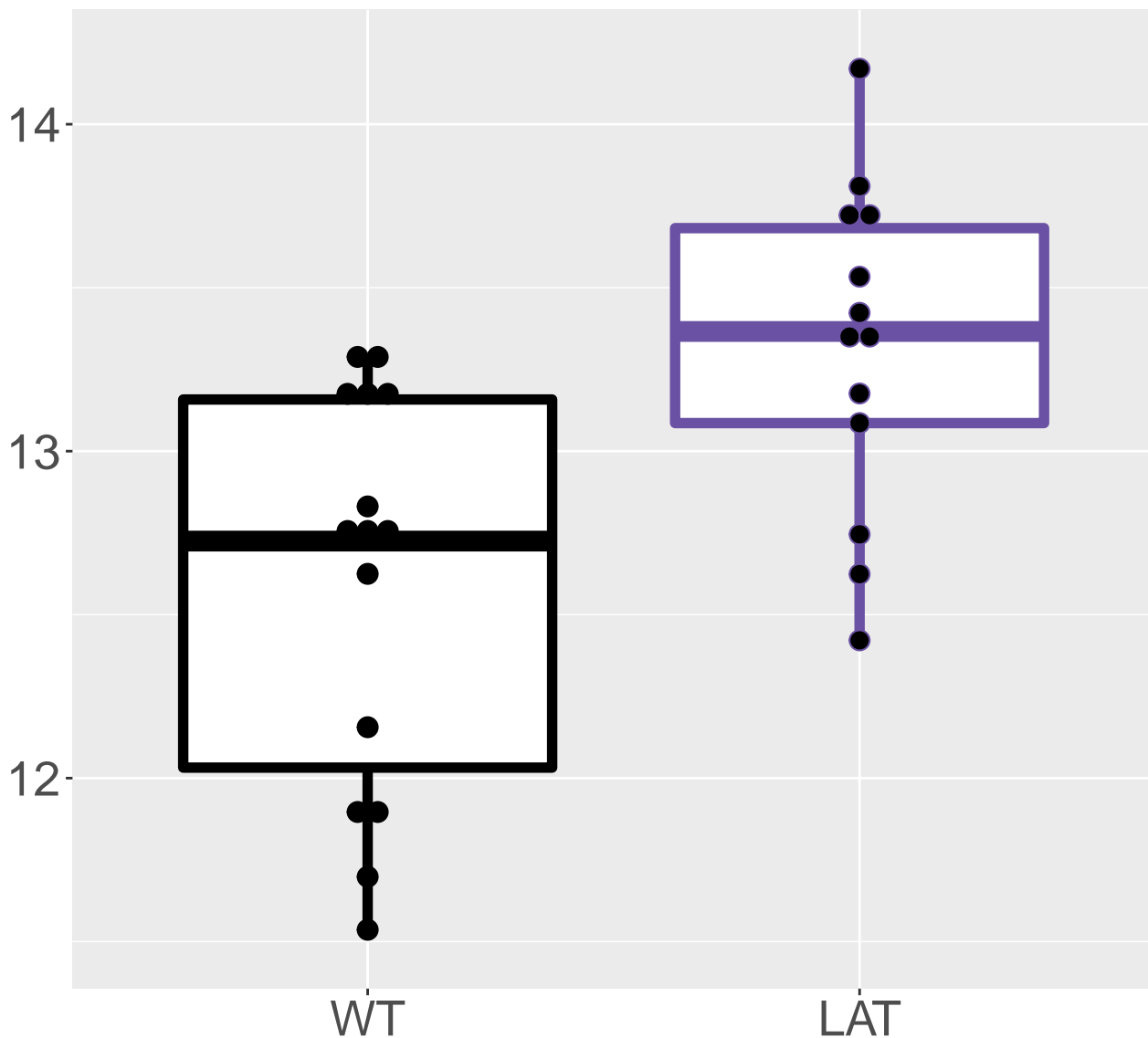
**M538.2816T443.1**

**FDR = 0.0073, FC = 1.5, sex\*\***

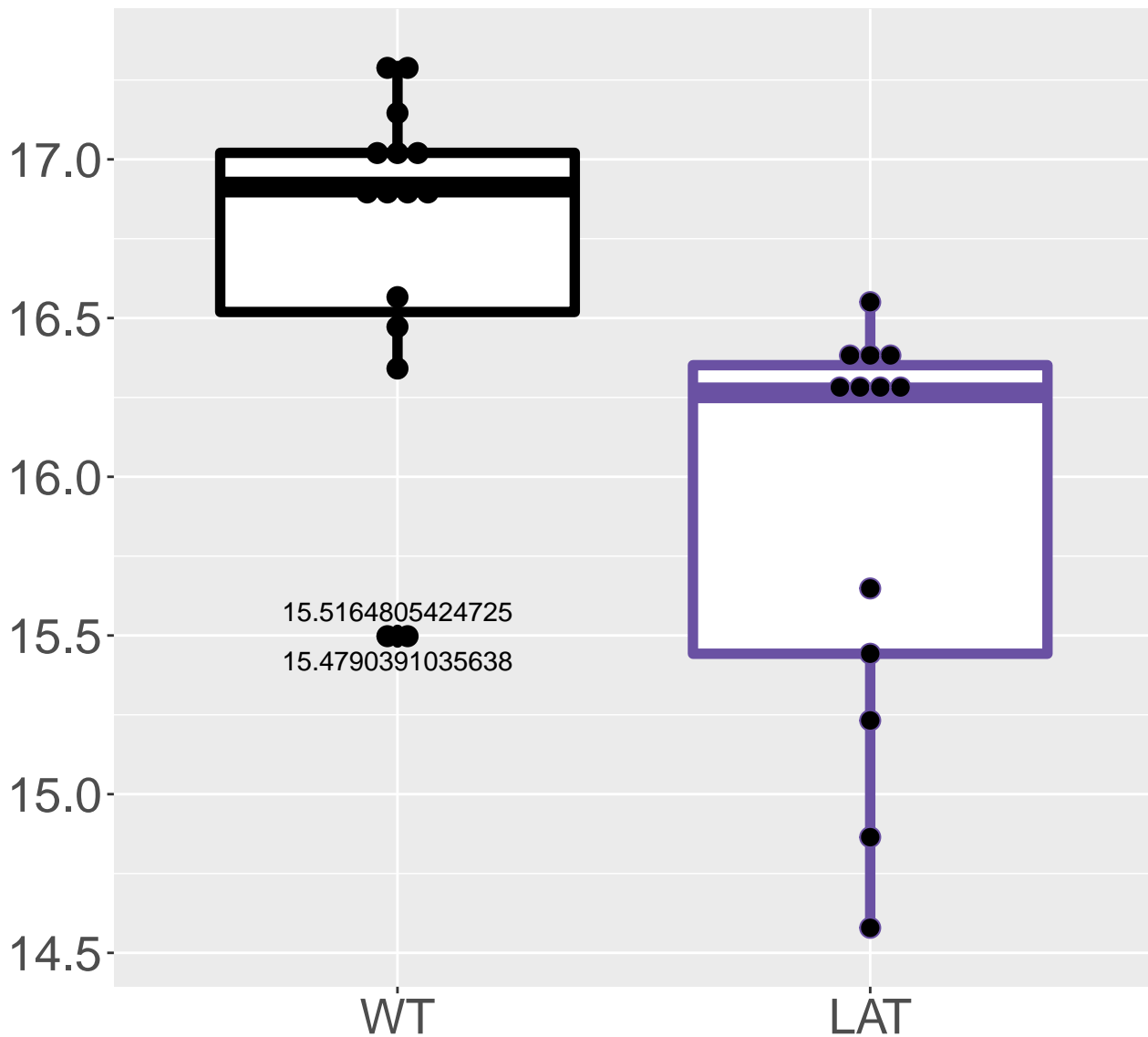




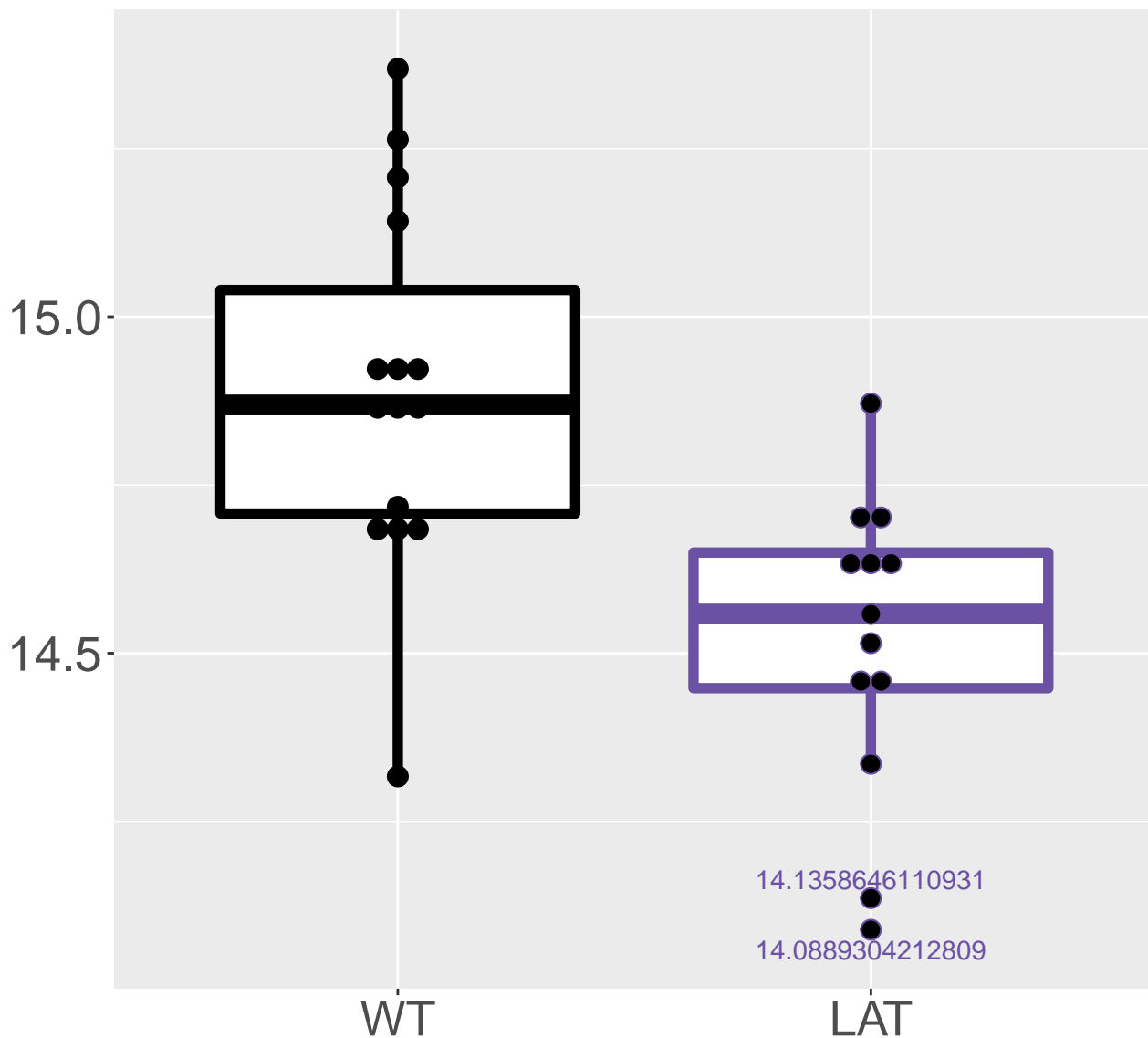
**M467.1077T279.49\_2**  
**FDR = 0.0074, FC = 0.72**



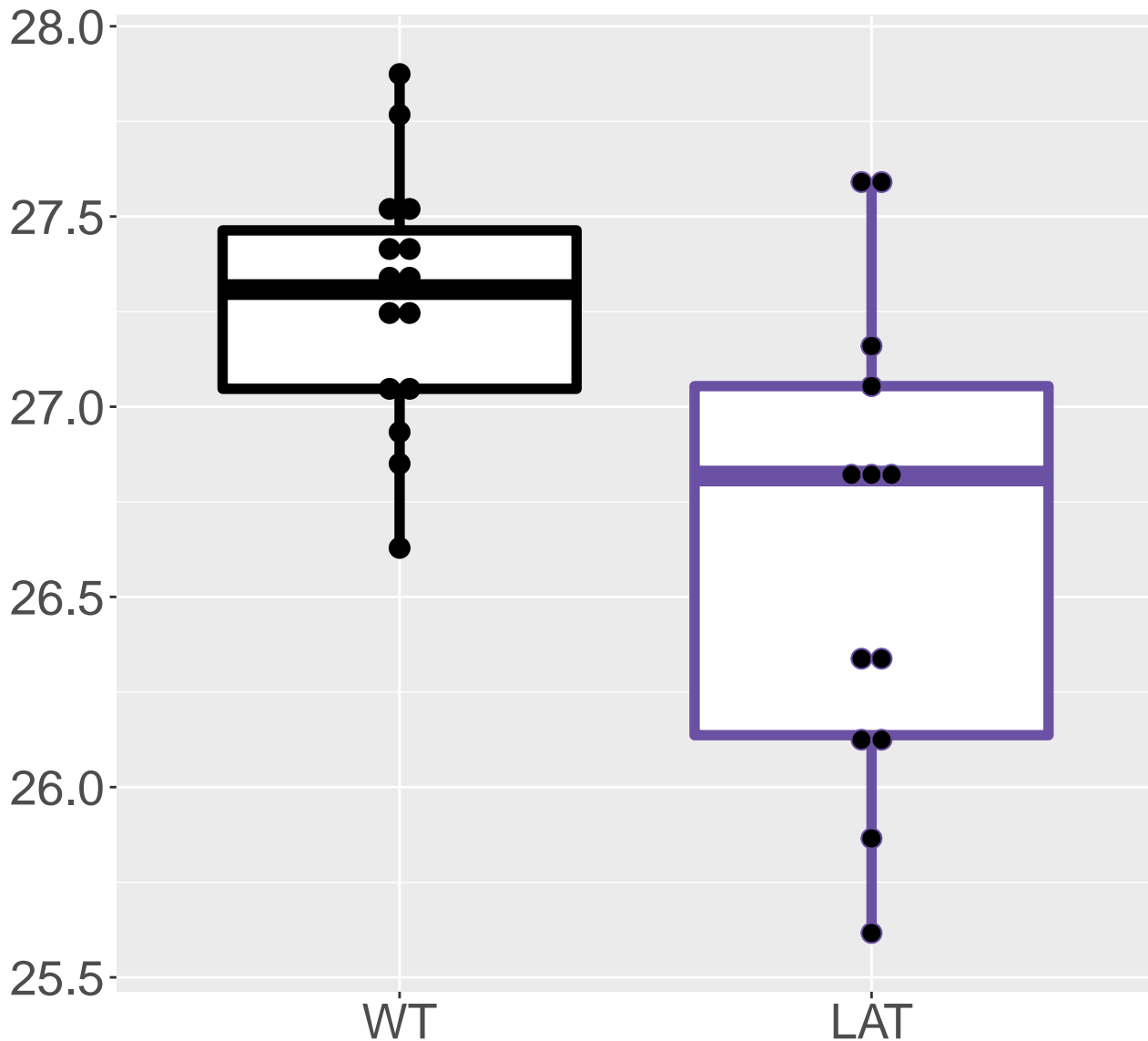
**M128.2338T75.44\_41**  
**FDR = 0.0075, FC = -0.82**



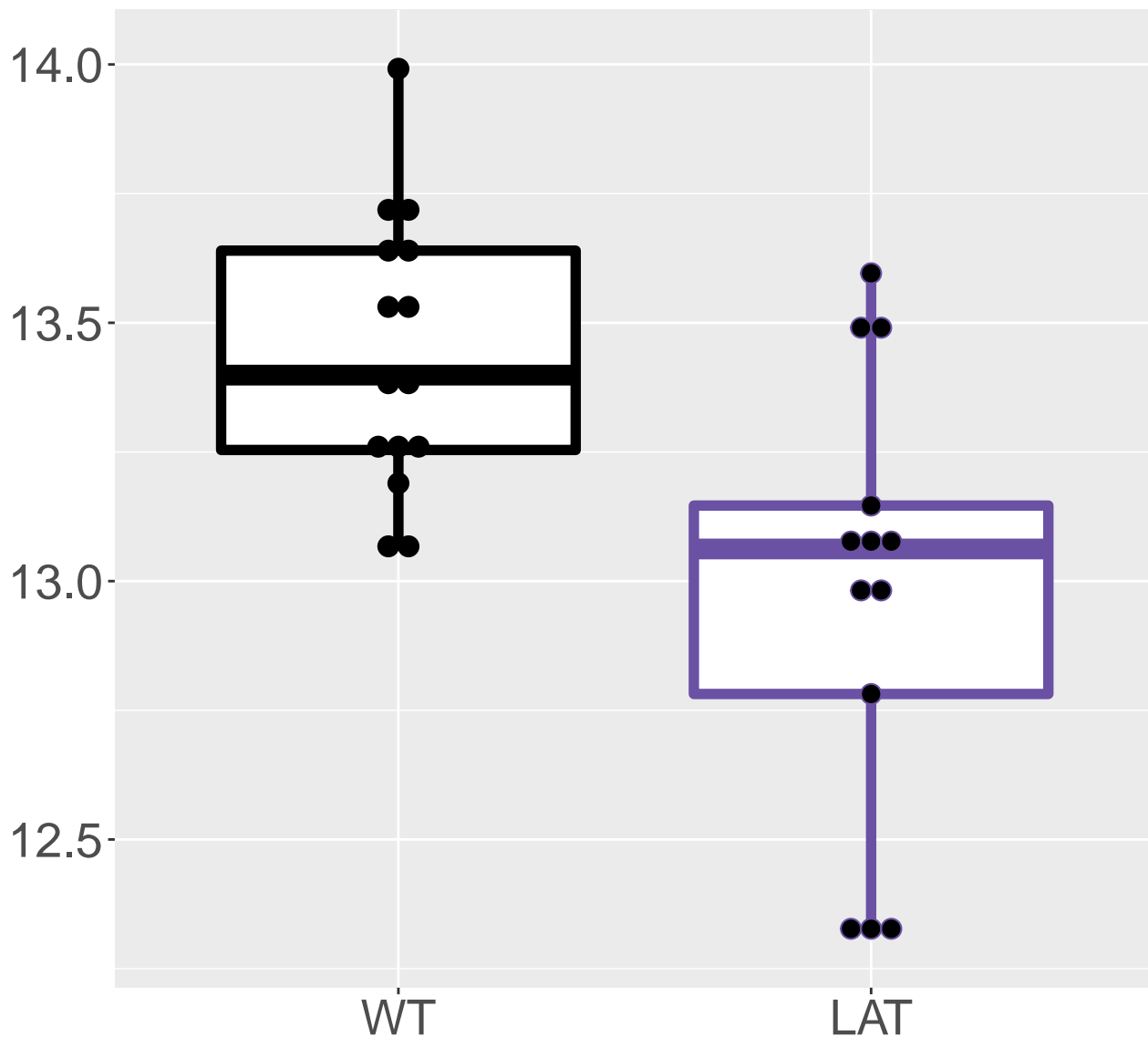
**M223.0547T42.64\_2**  
**FDR = 0.0075, FC = -0.38**



**Hypoxanthine;6-Oxopurine**  
**FDR = 0.0076, FC = -0.64**

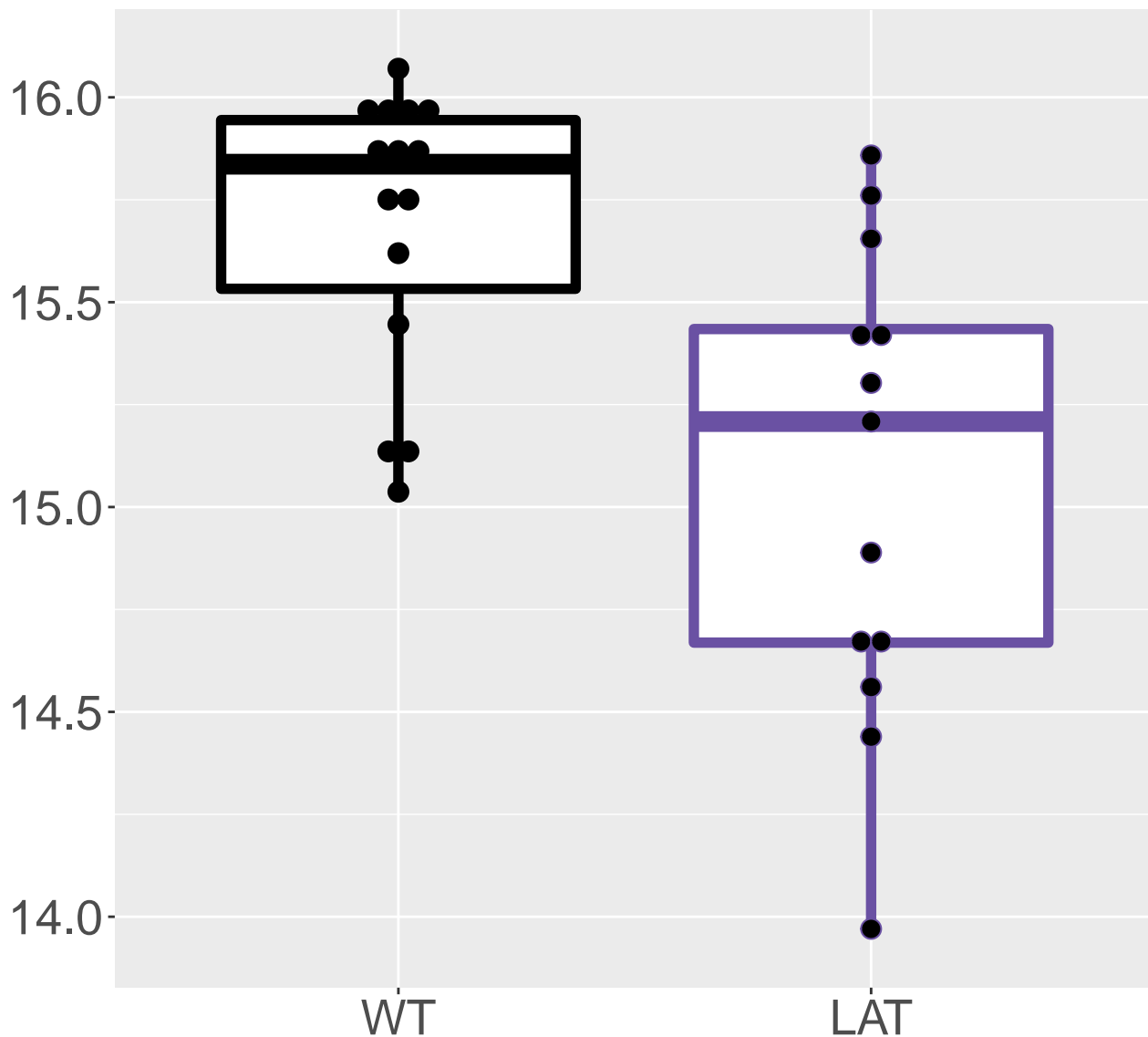


**M735.7675T311.29\_1**  
**FDR = 0.0077, FC = -0.47**



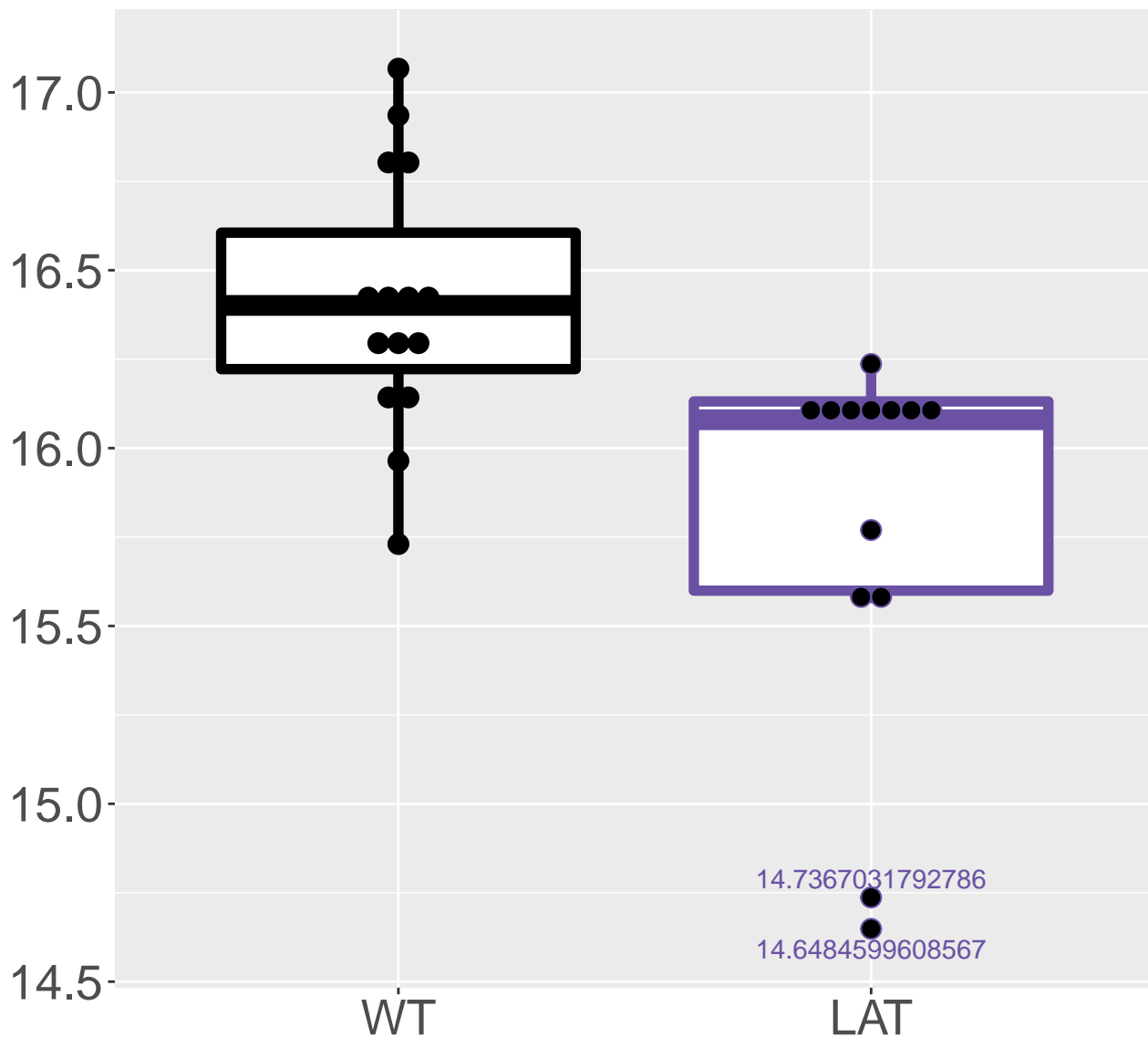
**M158.117T113.11\_22**

**FDR = 0.0077, FC = -0.63**



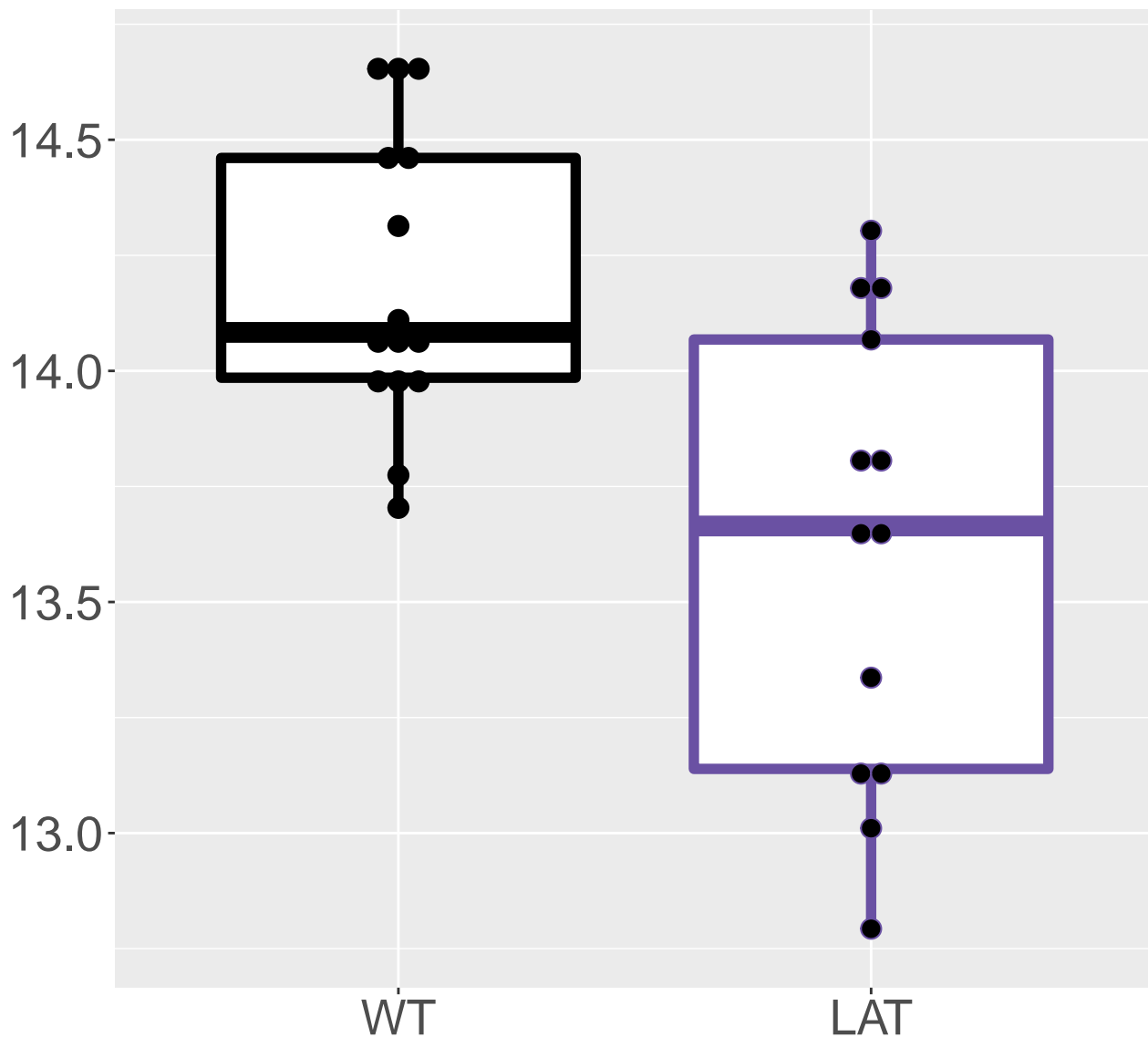
**M426.1523T65.79**

**FDR = 0.0078, FC = -0.62**



**M416.4322T272.78**

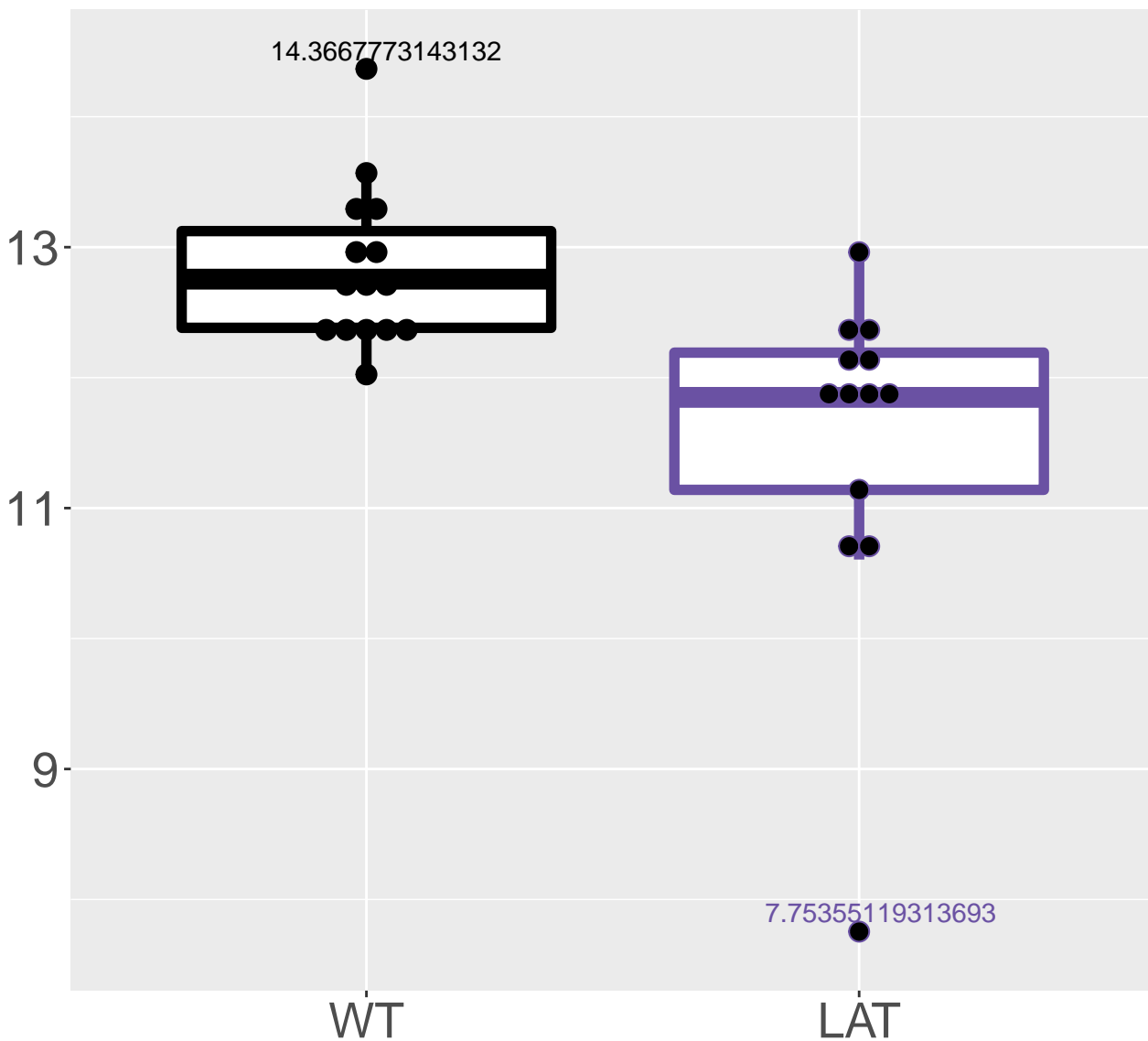
**FDR = 0.0078, FC = -0.58**





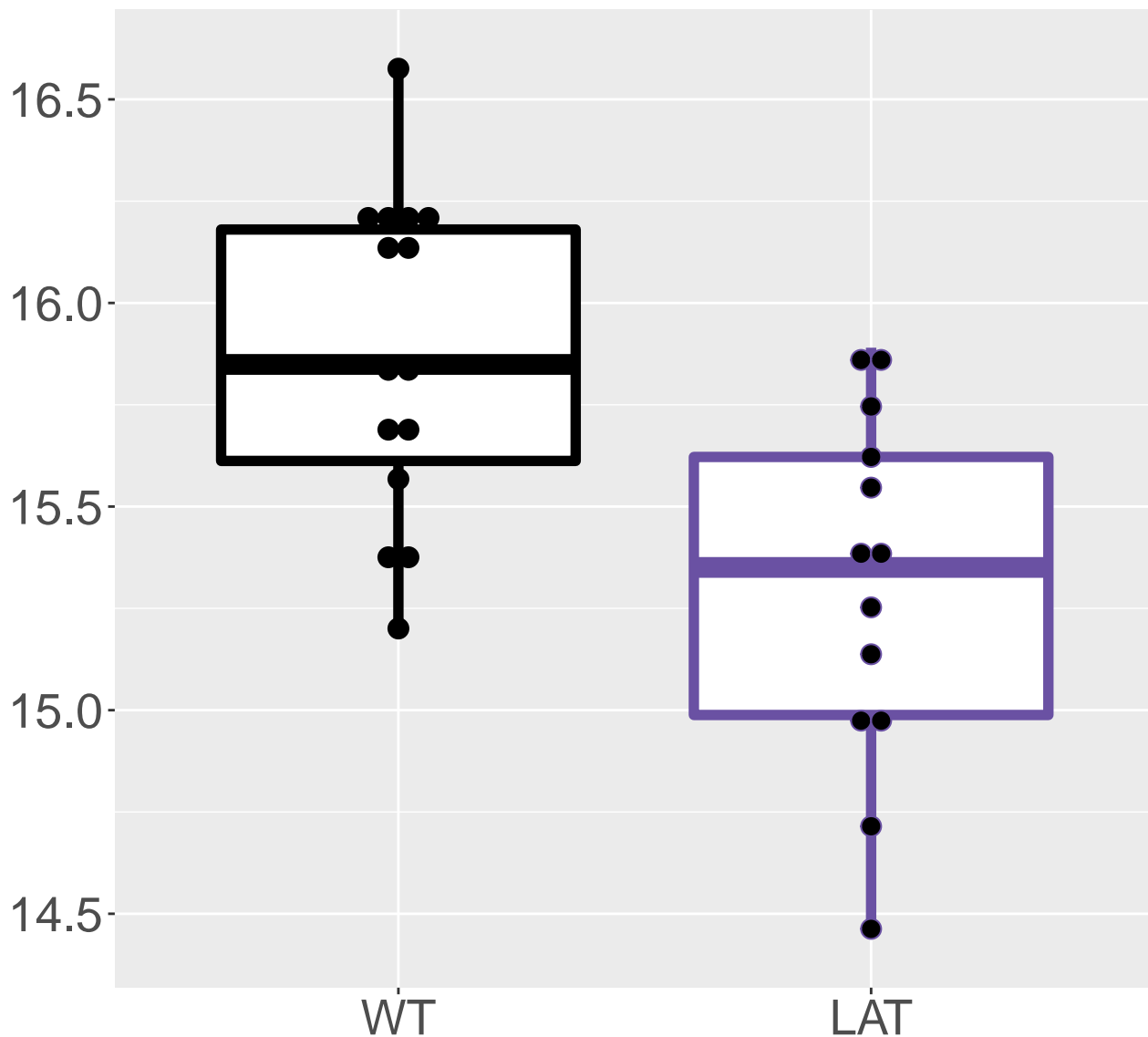
**M216.5986T128.85**

**FDR = 0.0078, FC = -1.3**



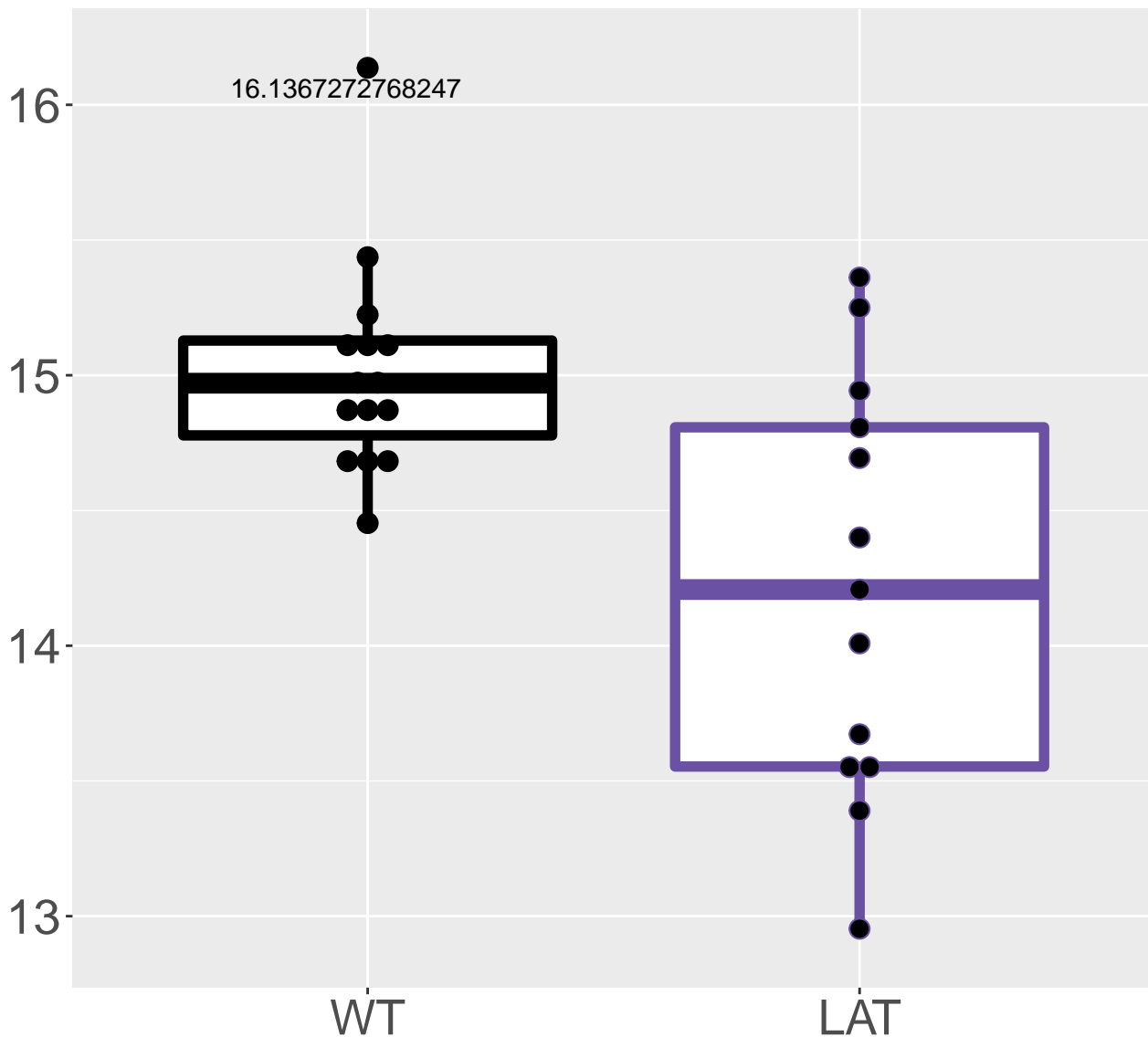
**M160.5226T113.22\_2**

**FDR = 0.0079, FC = -0.58**



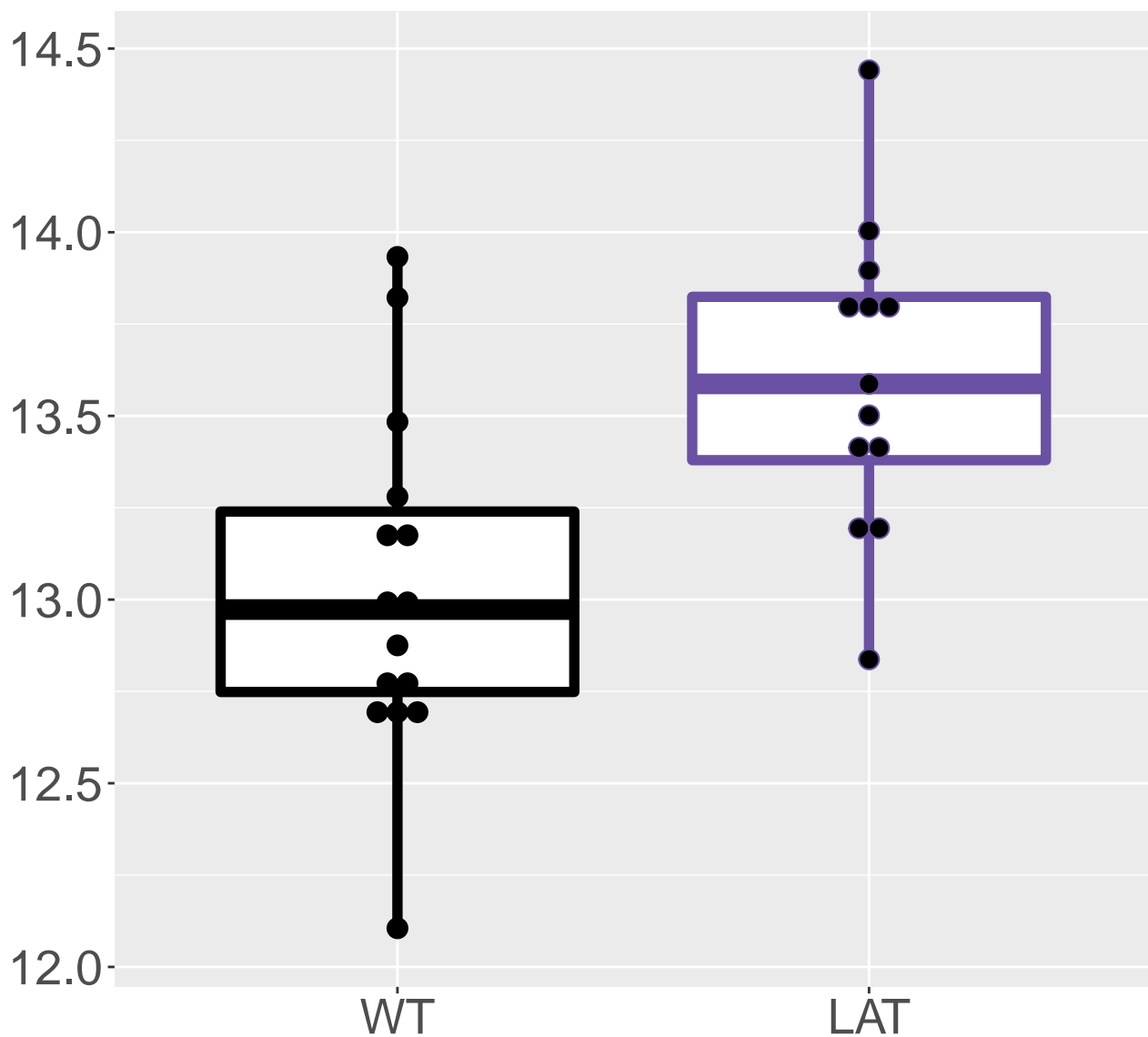
**M417.748T291.17\_1**

**FDR = 0.0079, FC = -0.8**



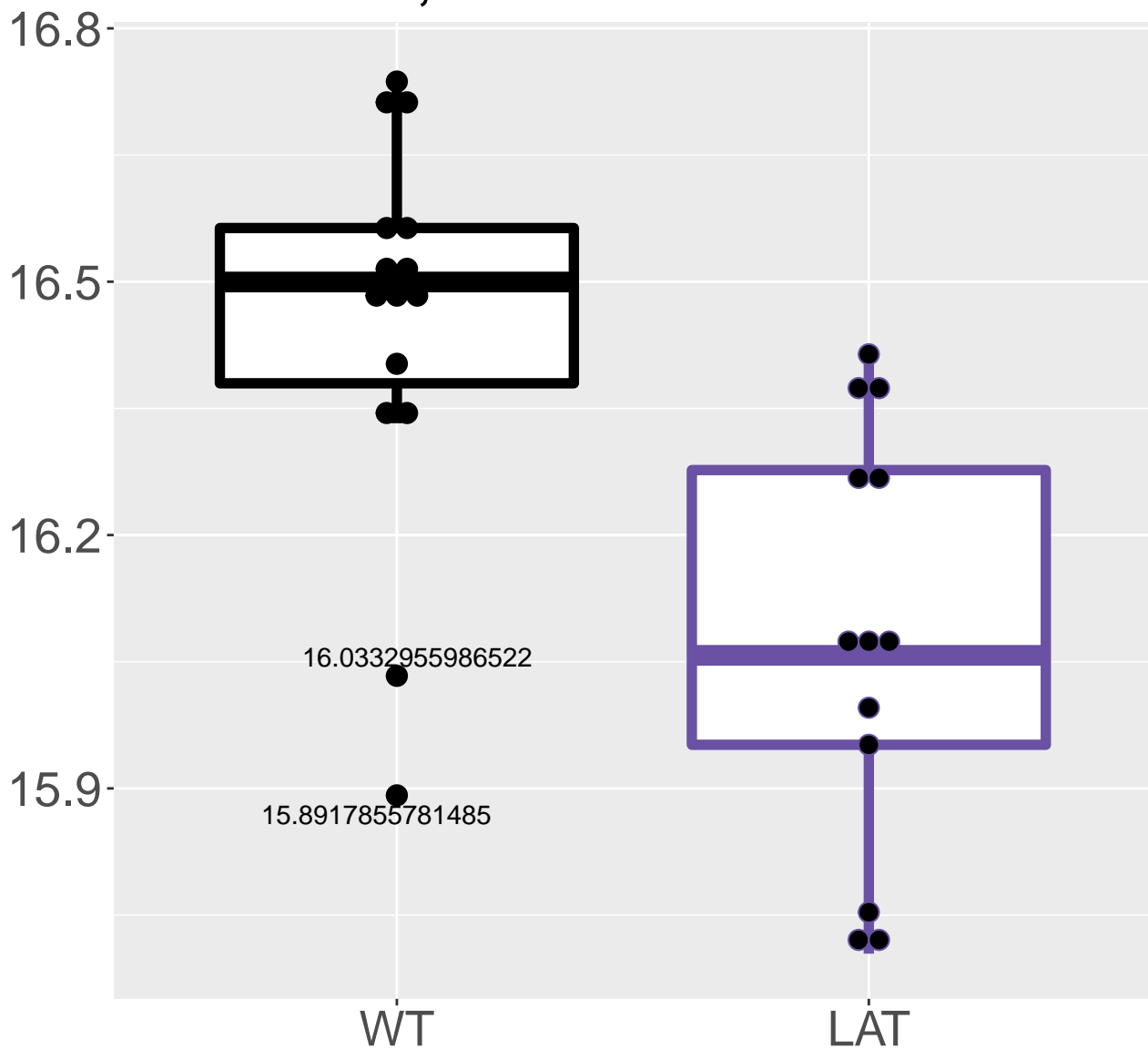
**M526.6405T280.63**

**FDR = 0.0079, FC = 0.57**

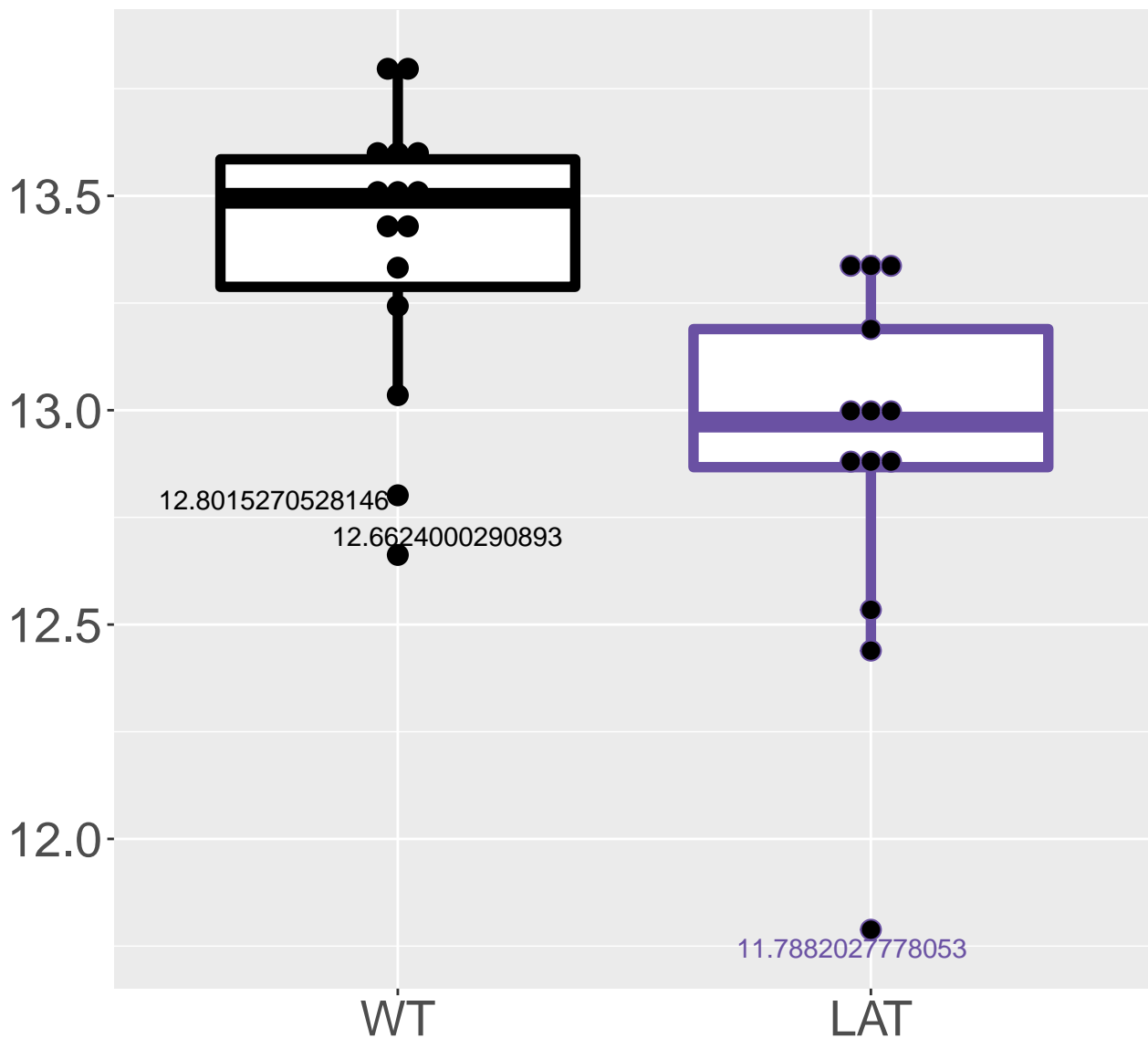


**M181.9625T45.2**

**FDR = 0.0079, FC = -0.37**

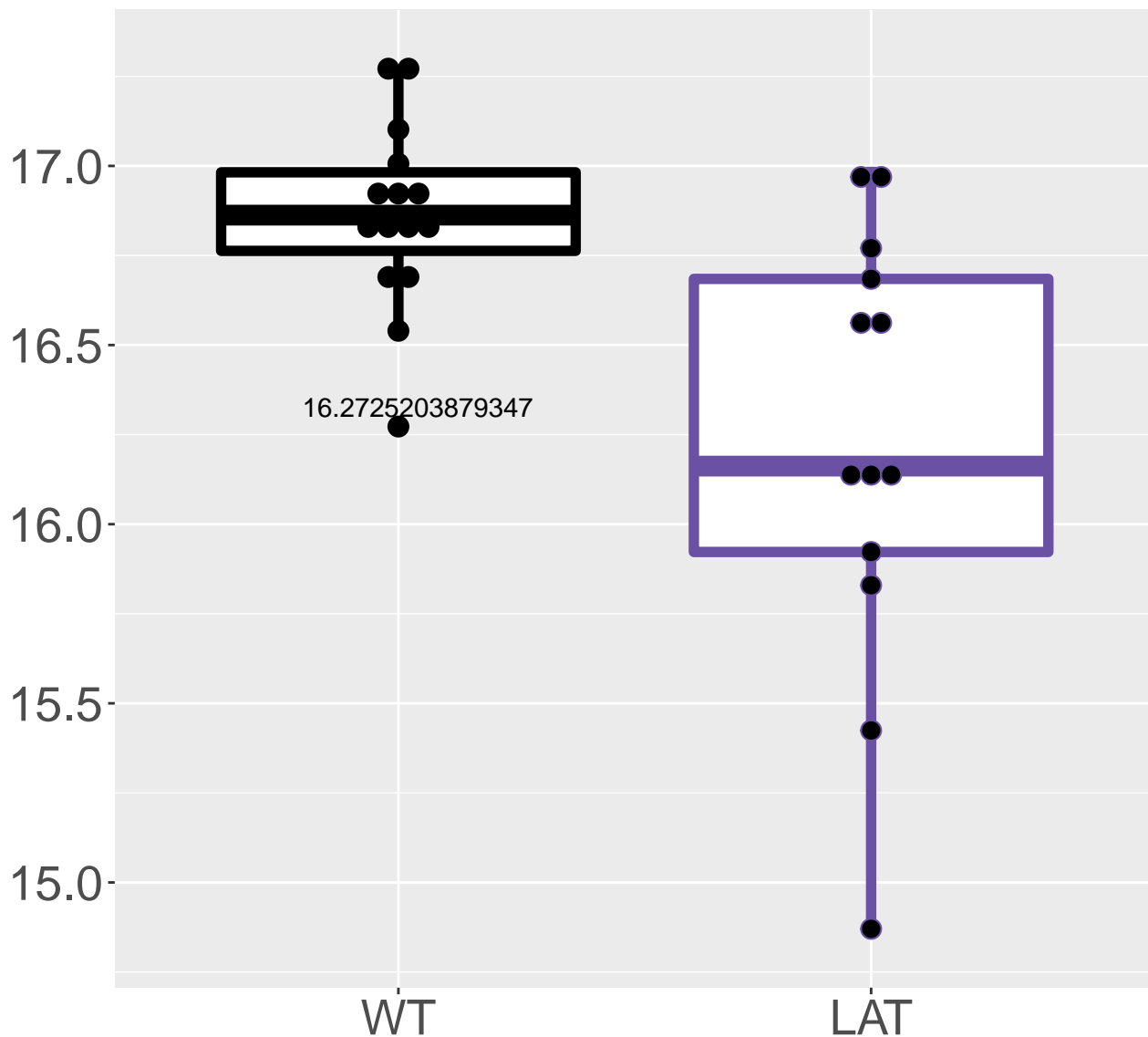


**FDR = 0.008, FC = -0.5**



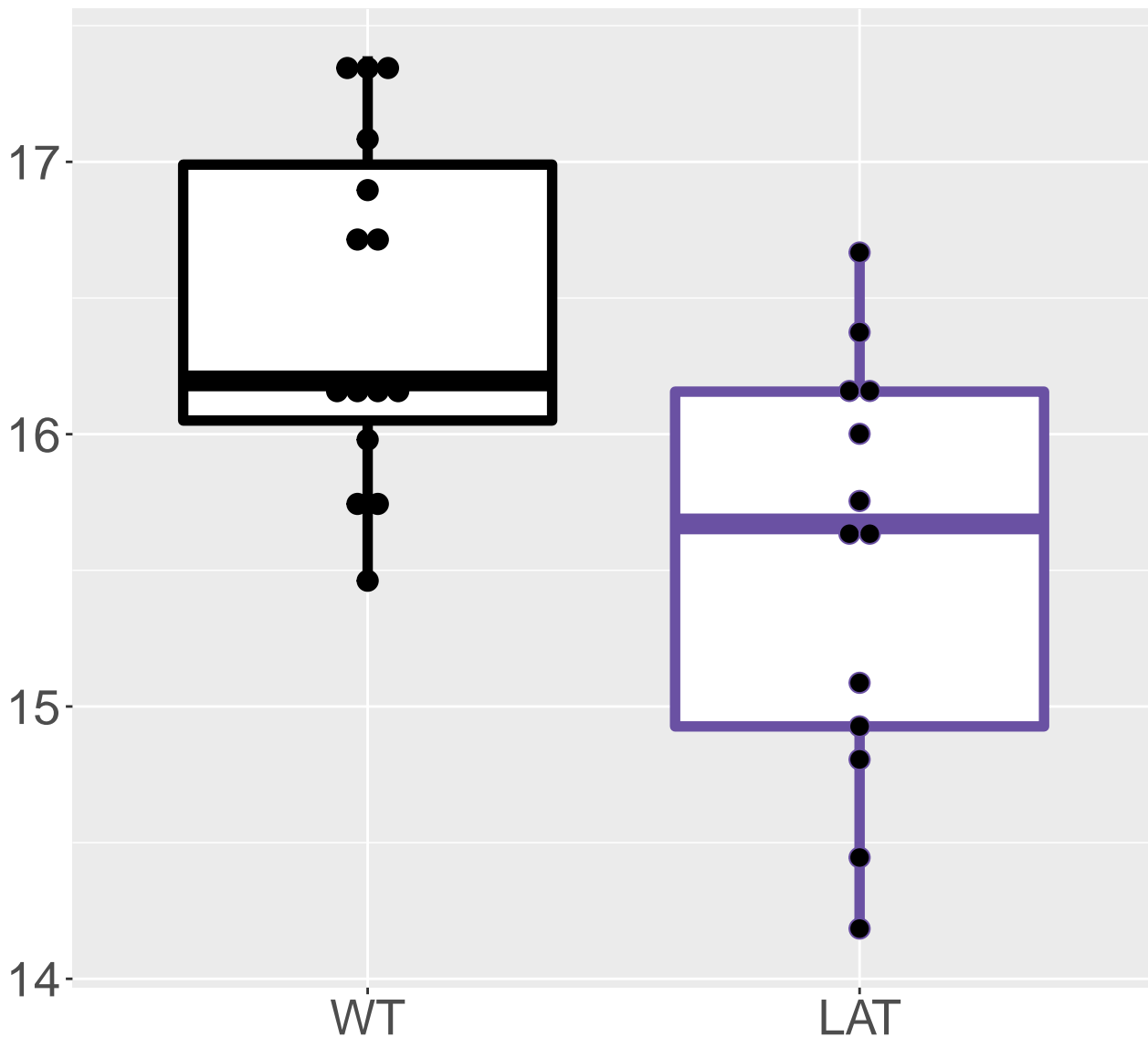
**M166.6232T113.15\_6**

**FDR = 0.008, FC = -0.64**



**M128.1047T75.44\_33**

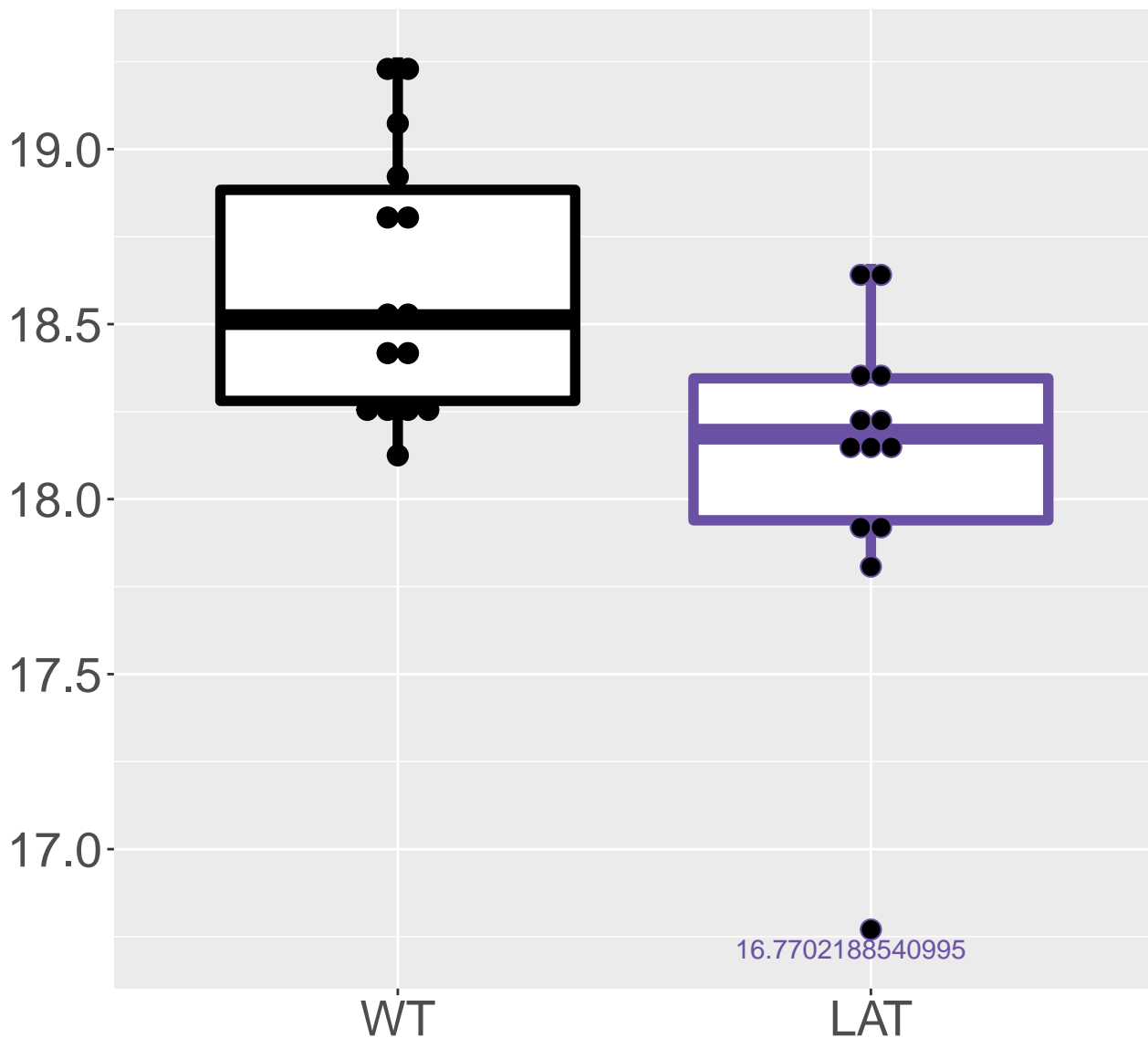
**FDR = 0.0081, FC = -0.94**



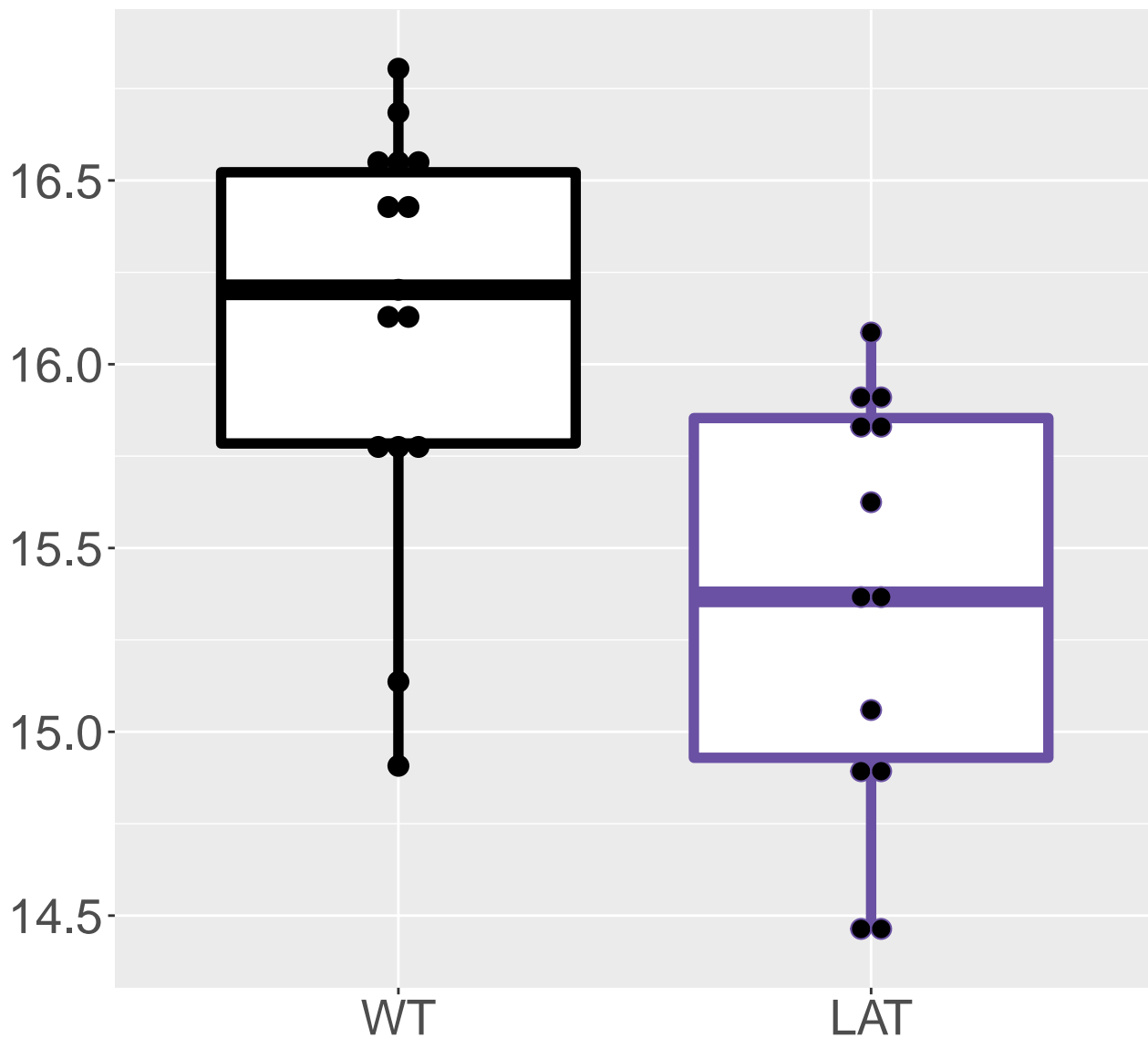


**M770.9039T298.37\_3**

**FDR = 0.0081, FC = -0.51, sex\***

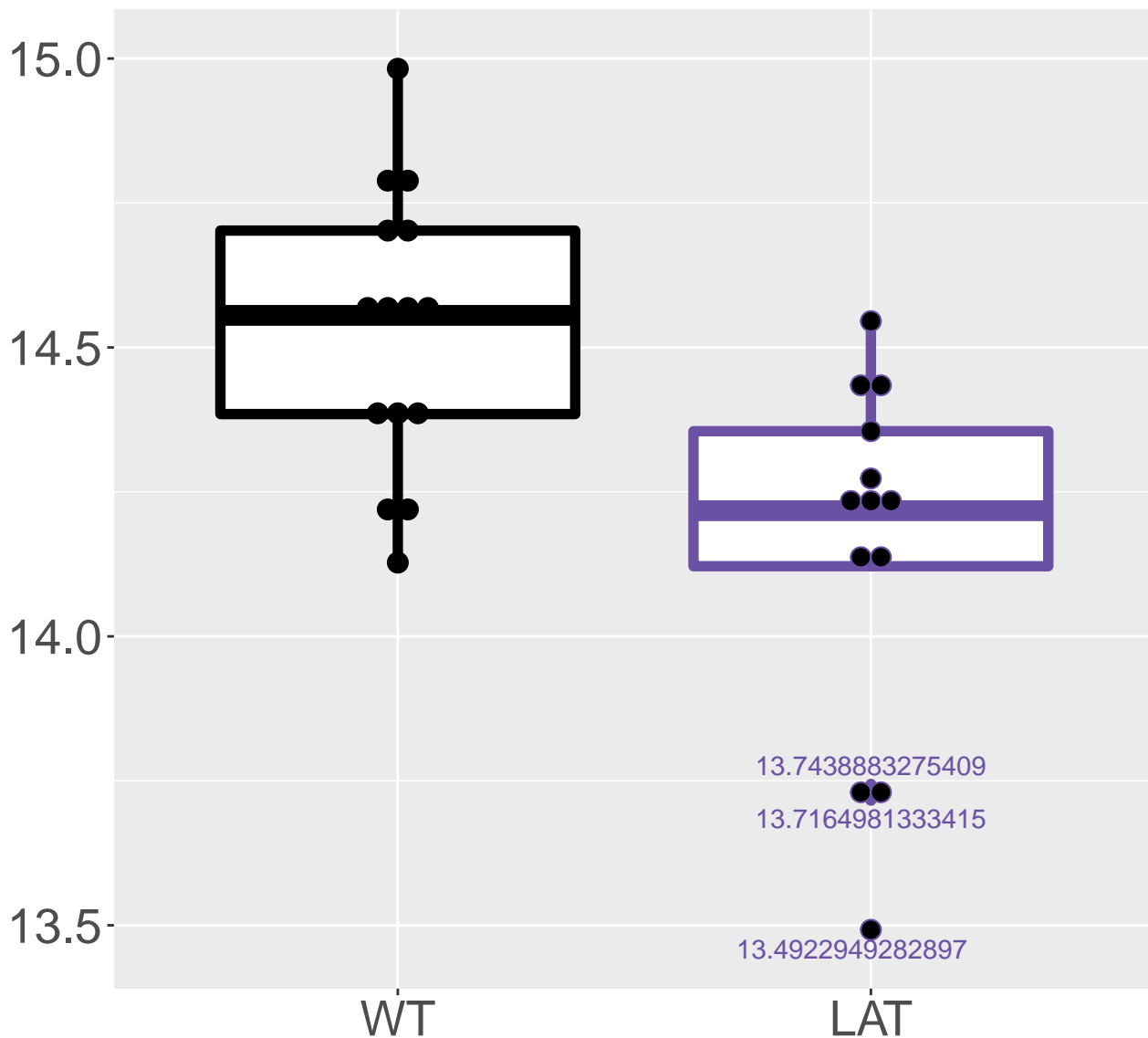


**M169.518T113.19\_1**  
**FDR = 0.0082, FC = -0.76**



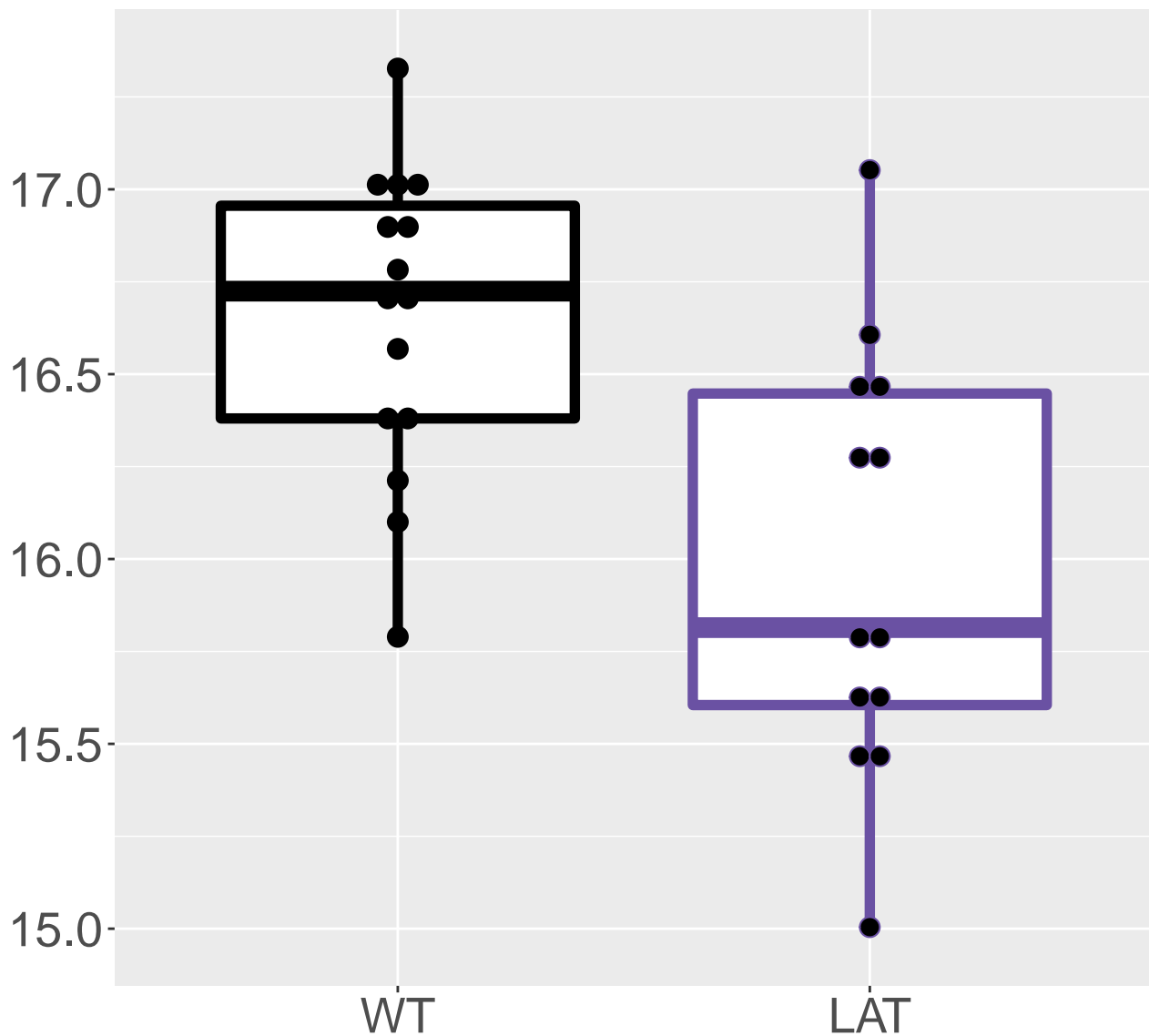
**M736.1683T311.23\_3**

**FDR = 0.0082, FC = -0.38**

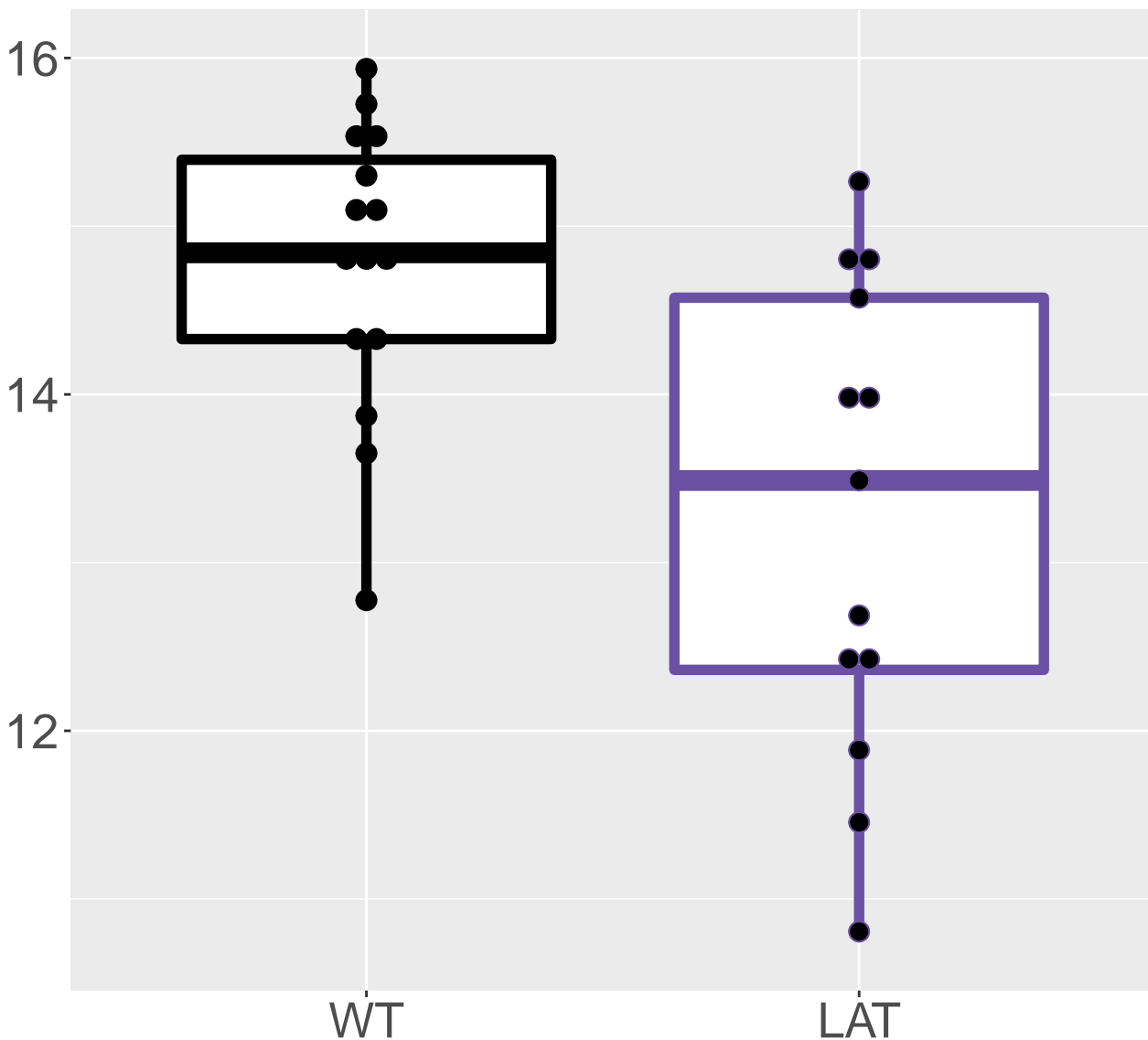


**M129.003T75.46\_27**

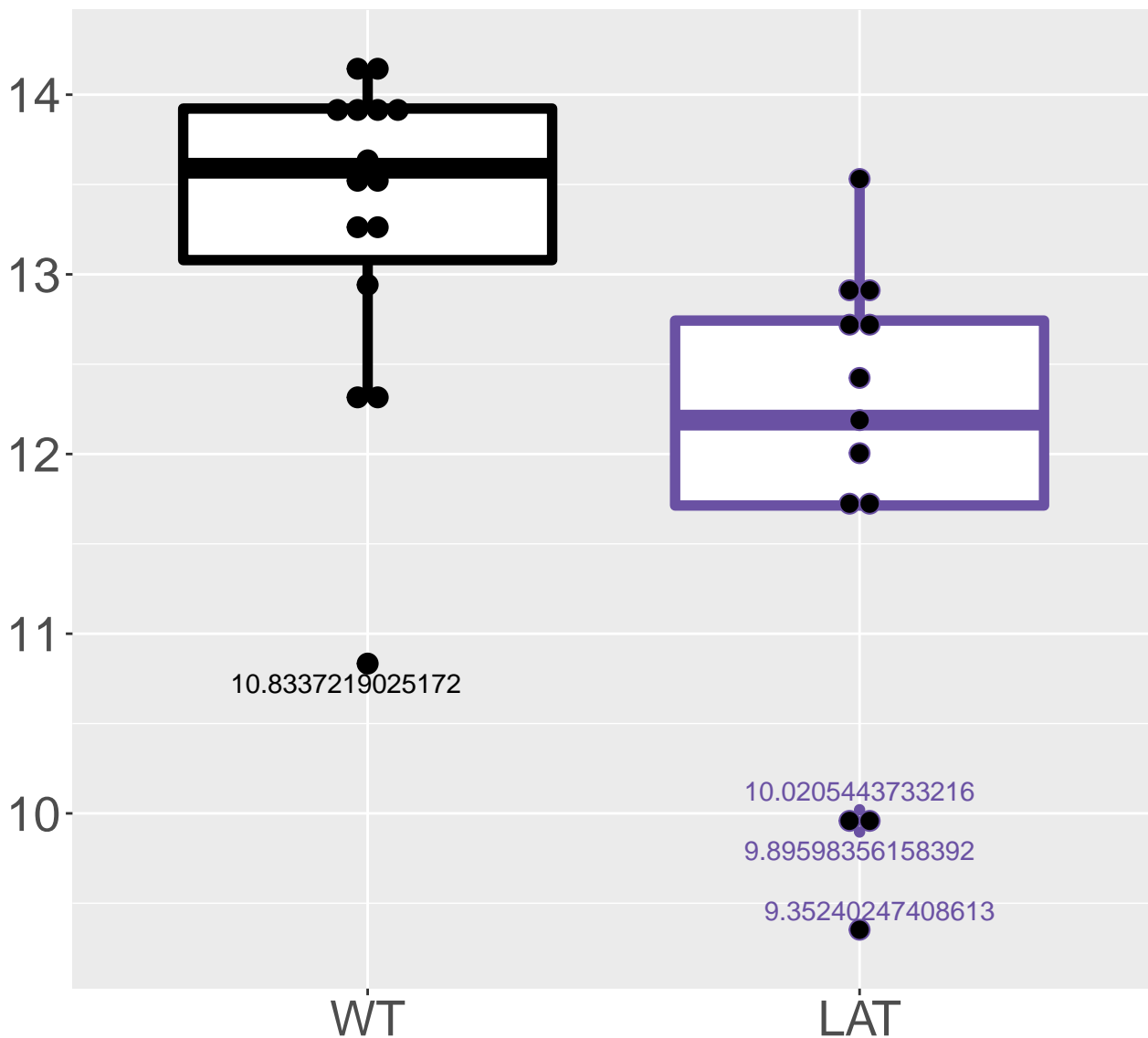
**FDR = 0.0082, FC = -0.66**



**M411.7481T266.65**  
**FDR = 0.0082, FC = -1.5**

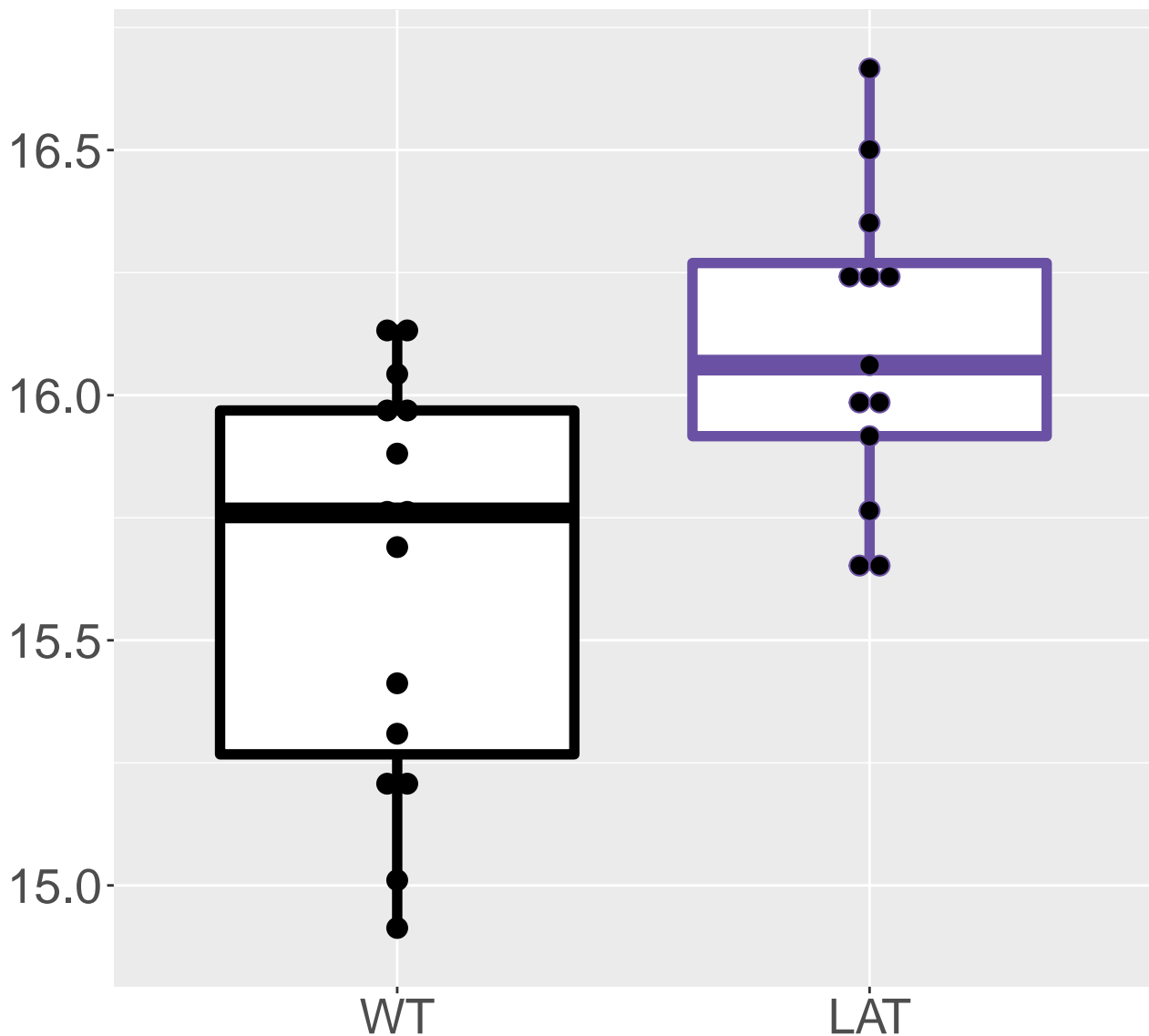


**M728.9912T362.31\_1**  
**FDR = 0.0082, FC = -1.4**



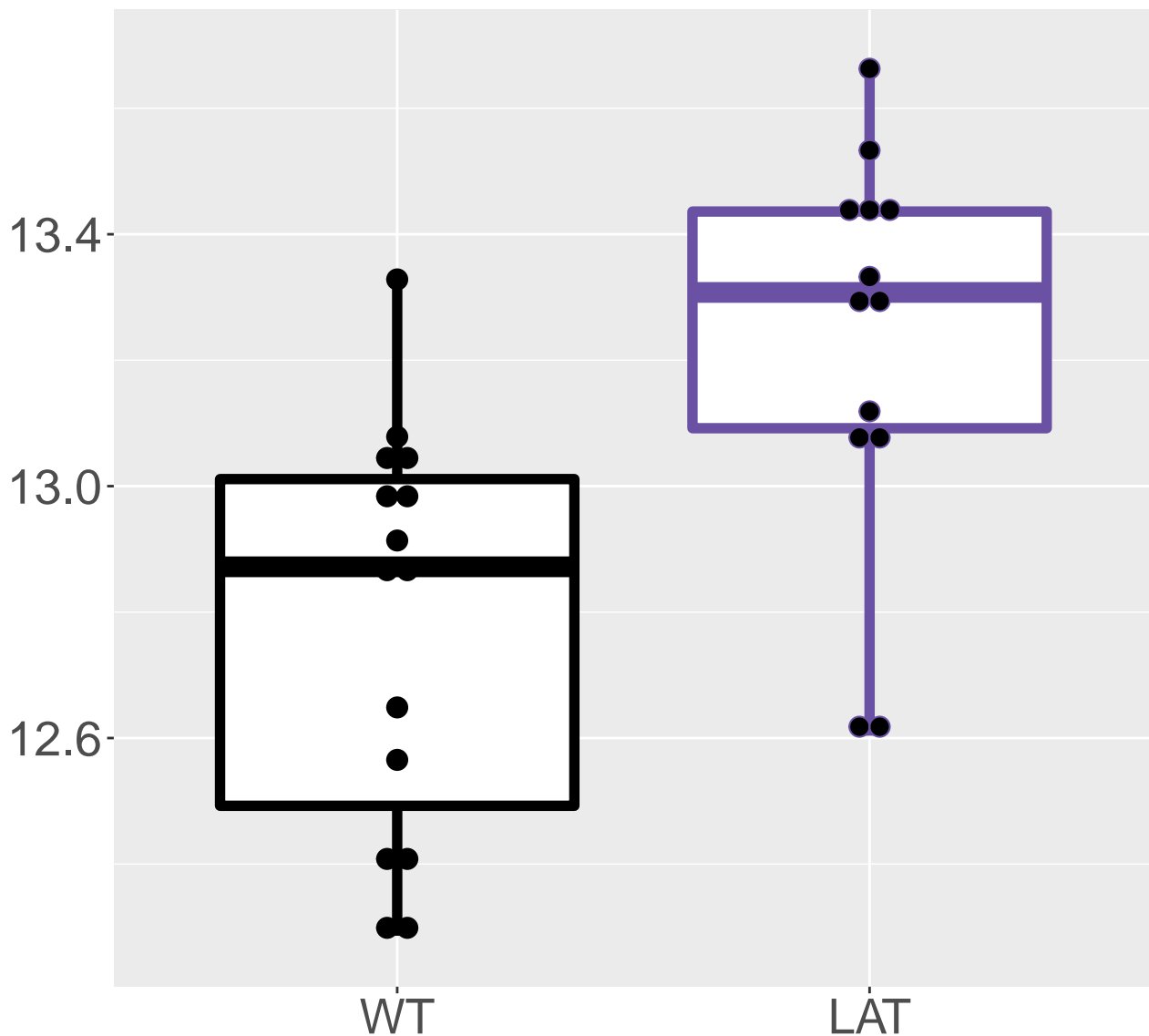
**M438.1905T328.33**

**FDR = 0.0082, FC = 0.47**



**M361.1415T345.63**

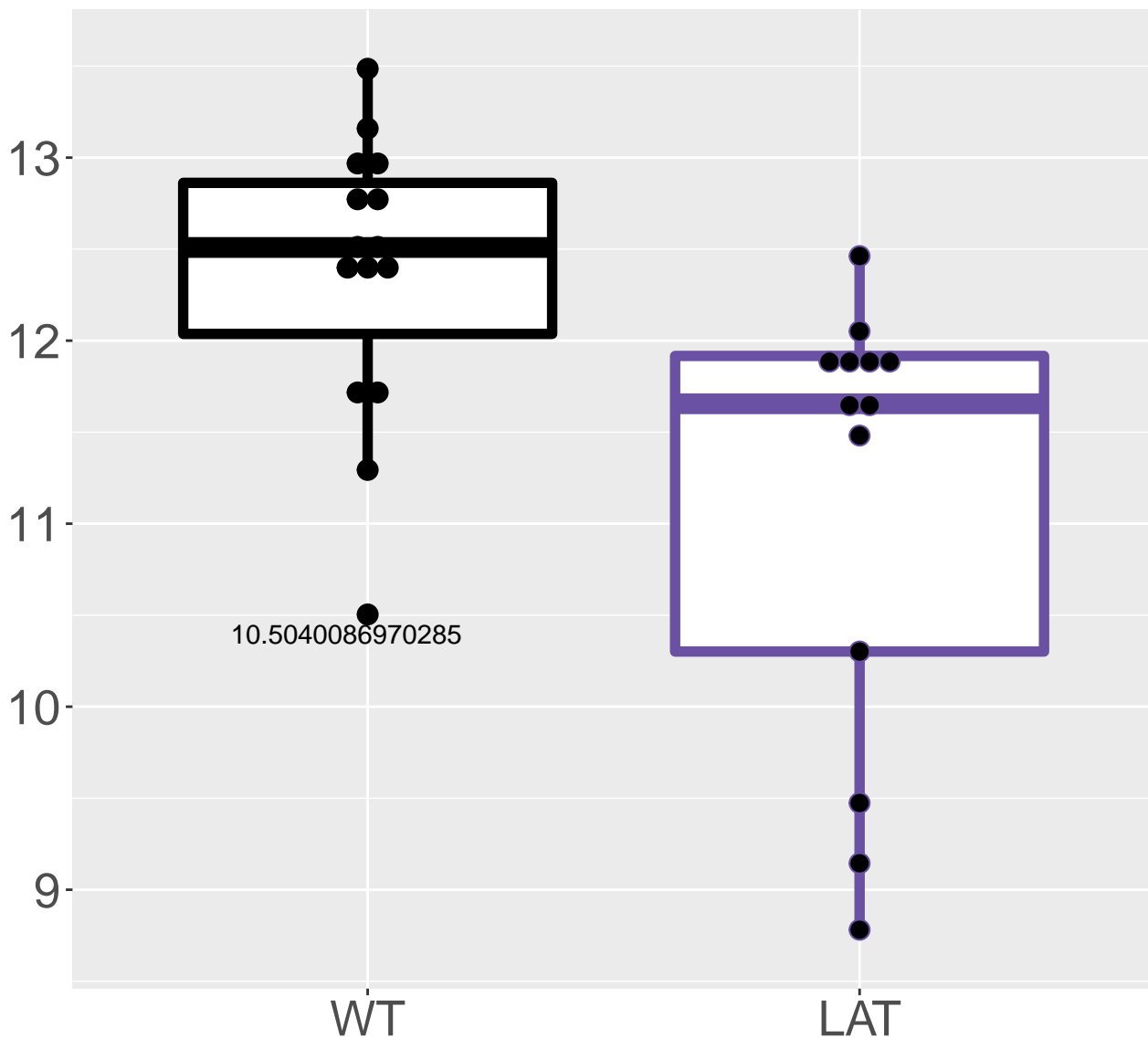
**FDR = 0.0082, FC = 0.44**





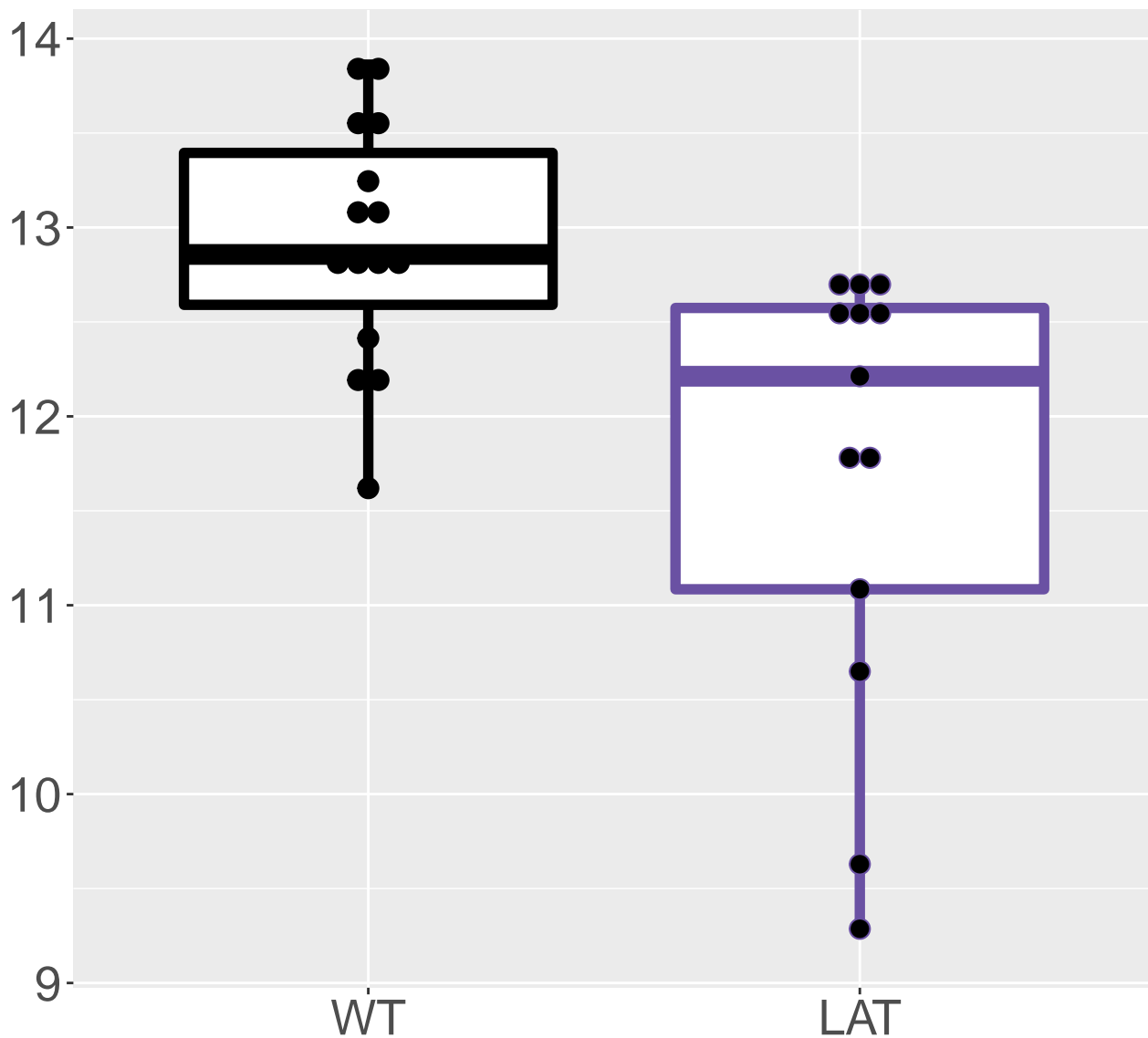
**M343.6794T270.64**

**FDR = 0.0082, FC = -1.3**

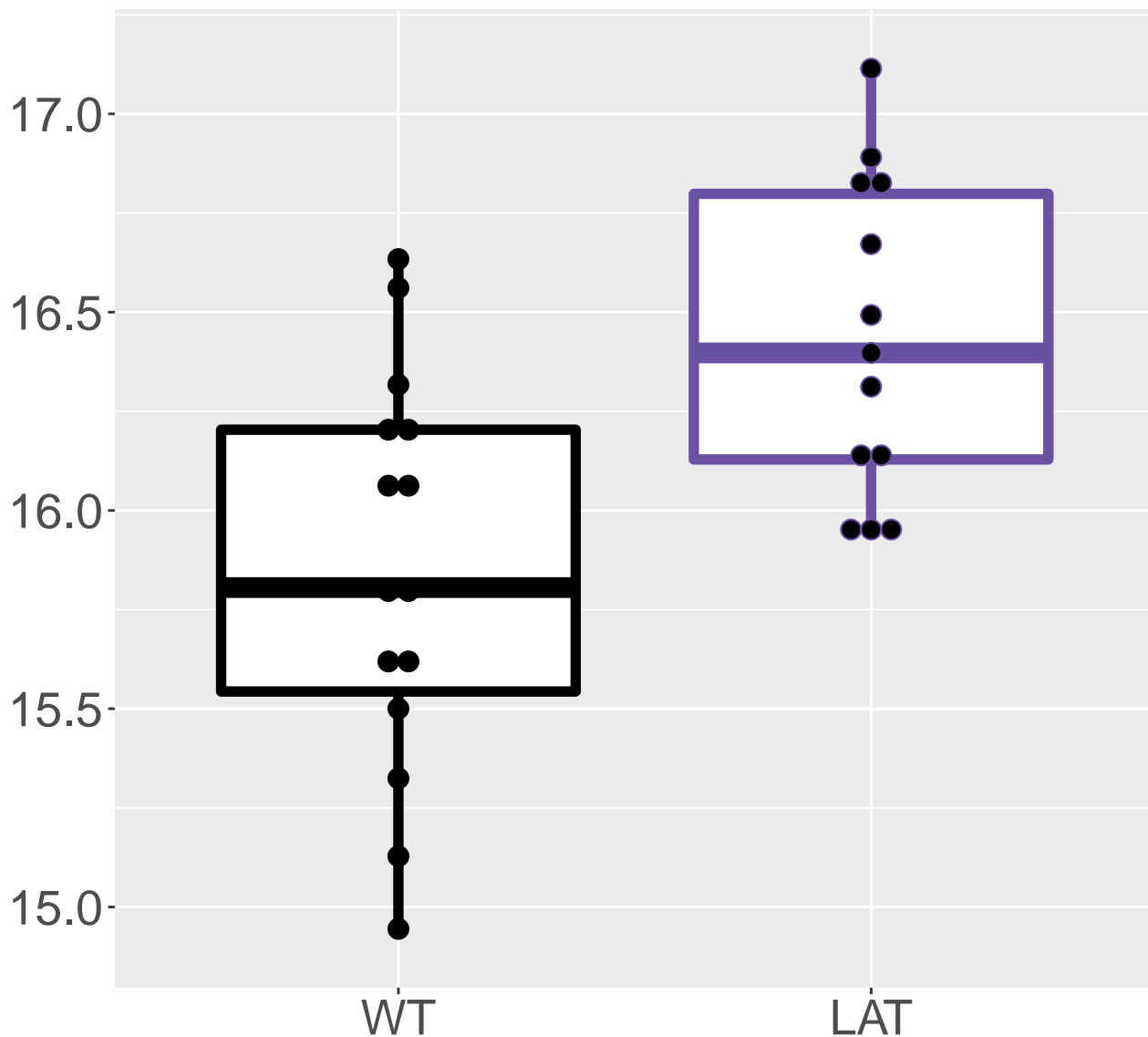


**M374.7055T295.49**

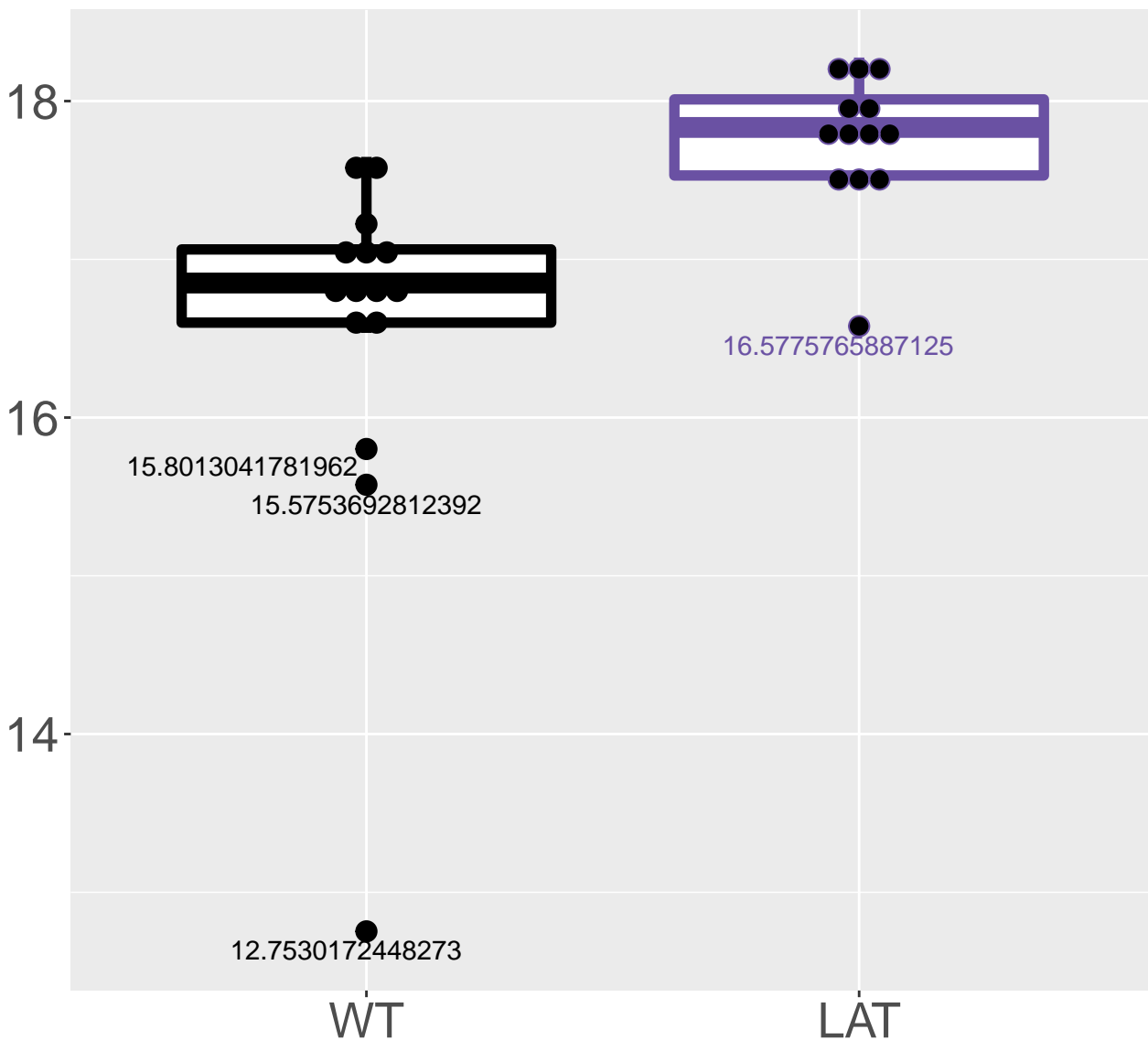
**FDR = 0.0082, FC = -1.2**



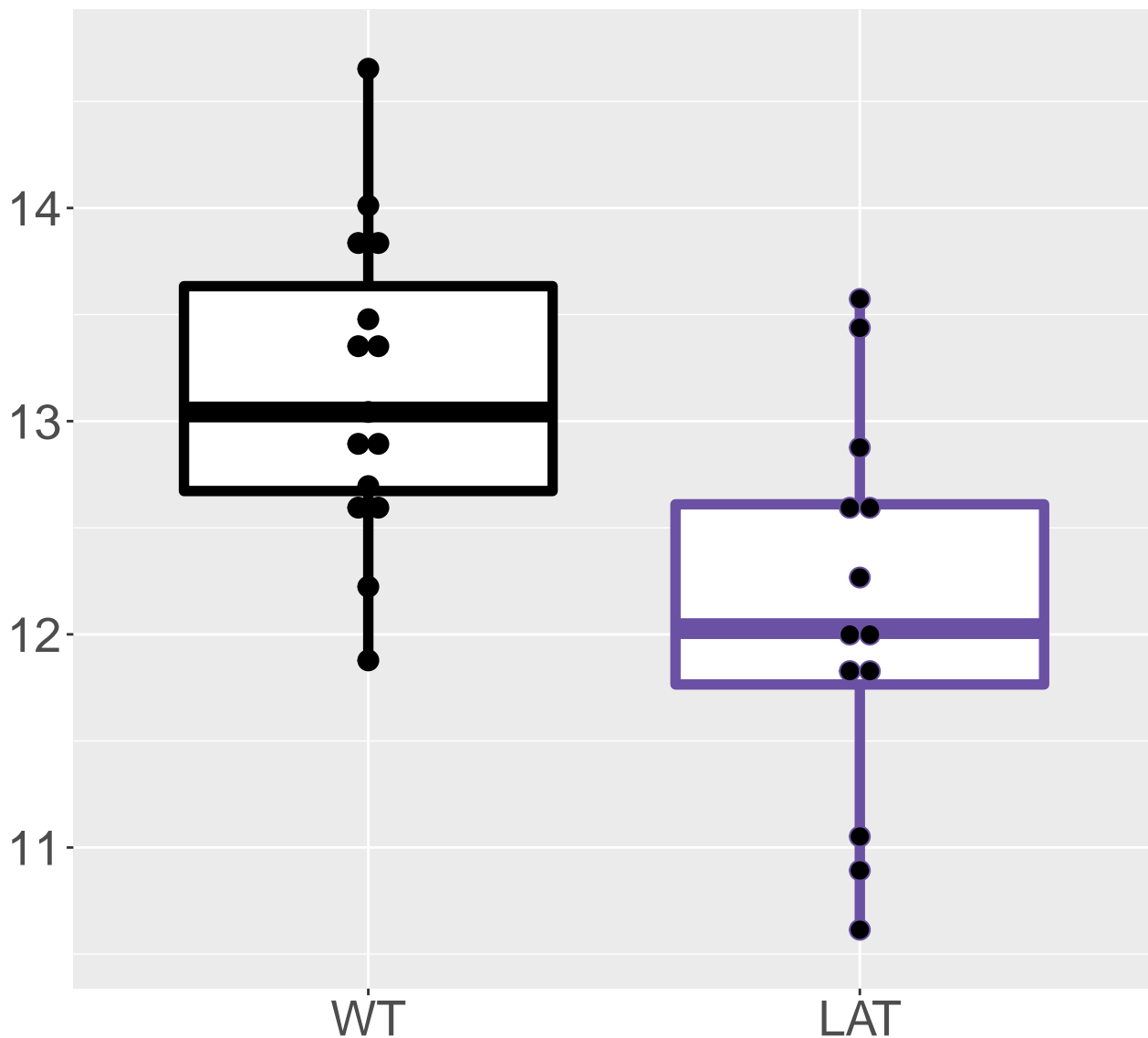
**M202.5151T99.66\_1**  
**FDR = 0.0082, FC = 0.59**



**FDR = 0.0083, FC = 1.2**

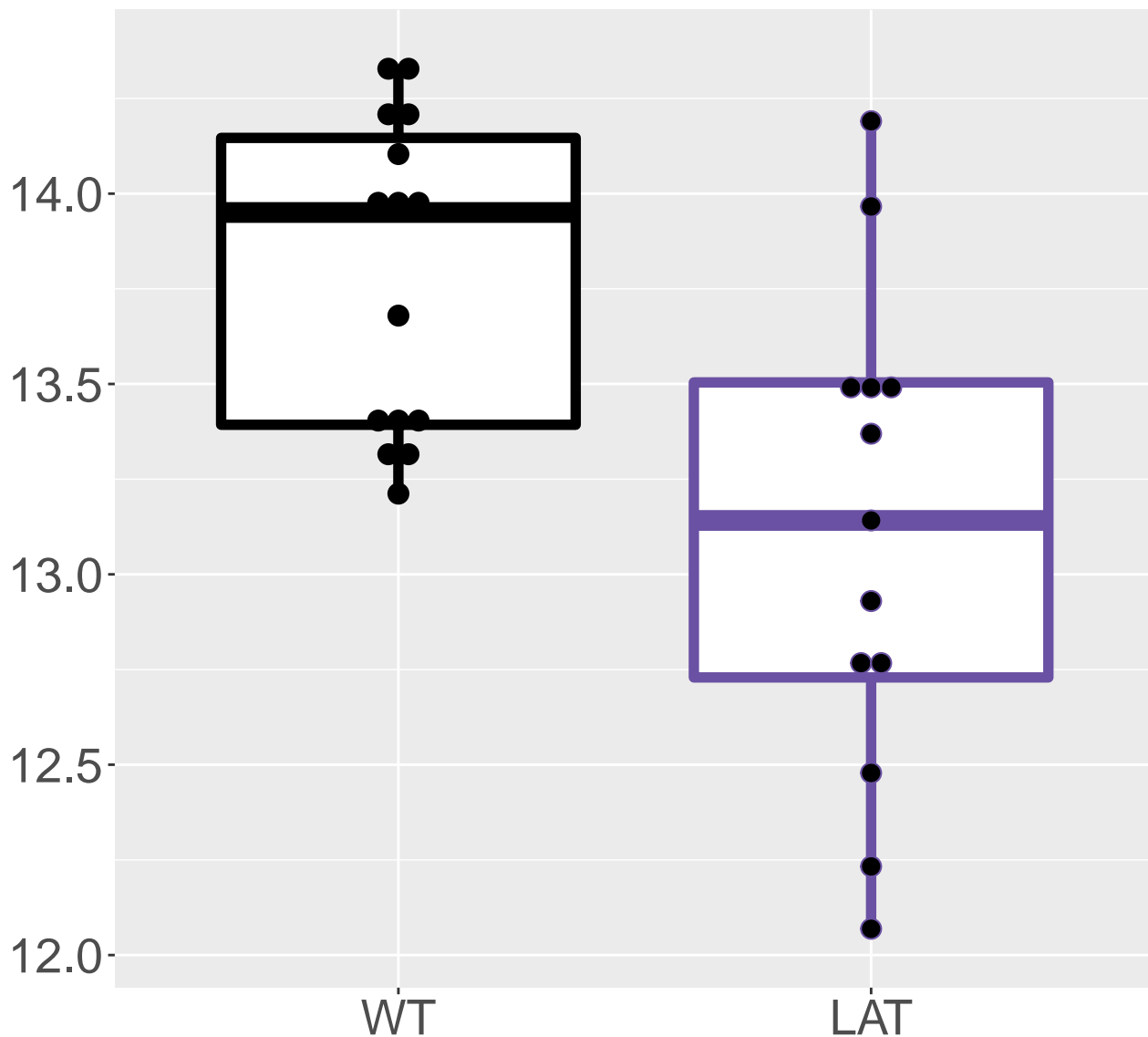


**M284.1132T331.61**  
**FDR = 0.0084, FC = -1**

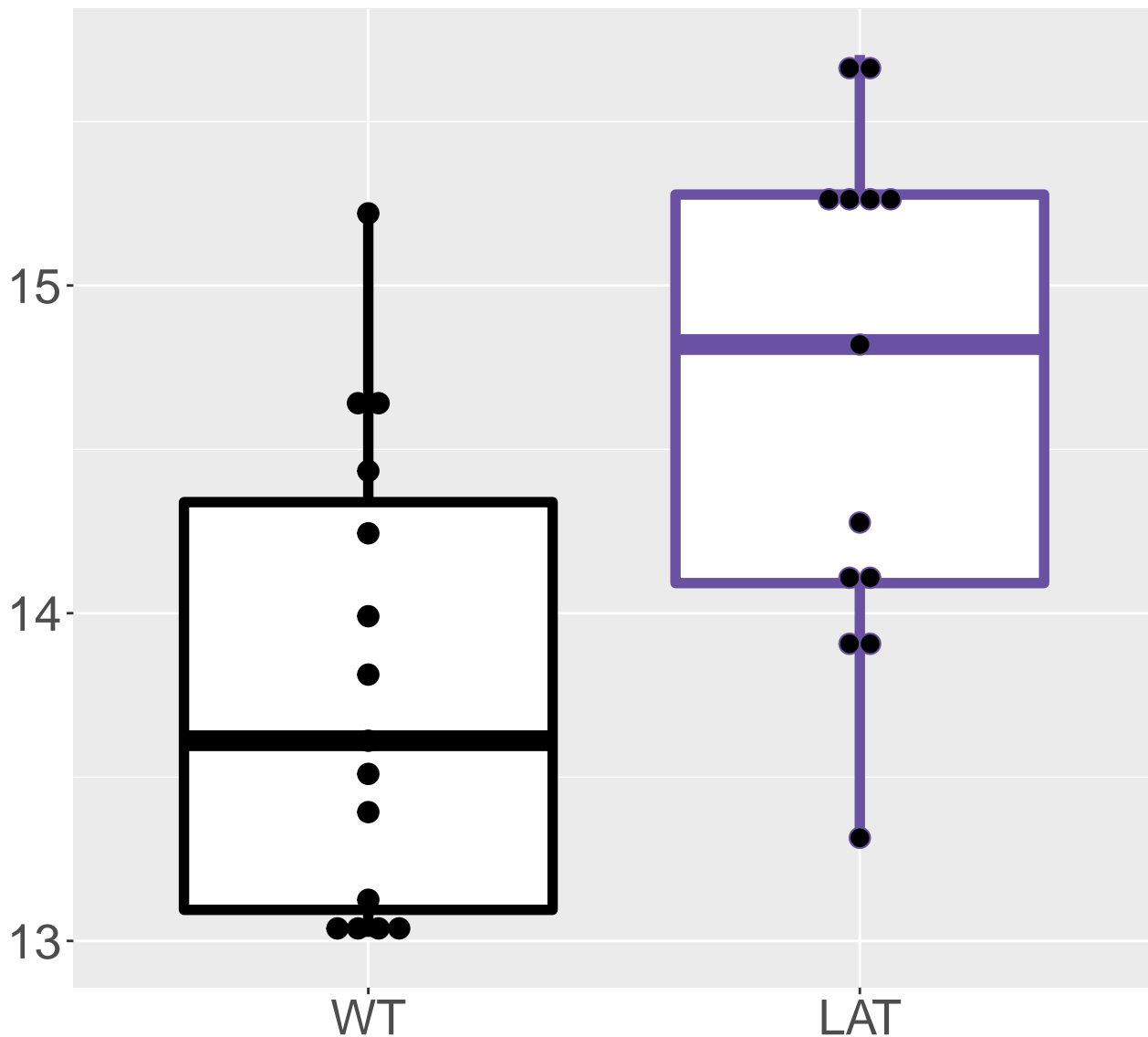


**M509.0409T370.91\_1**

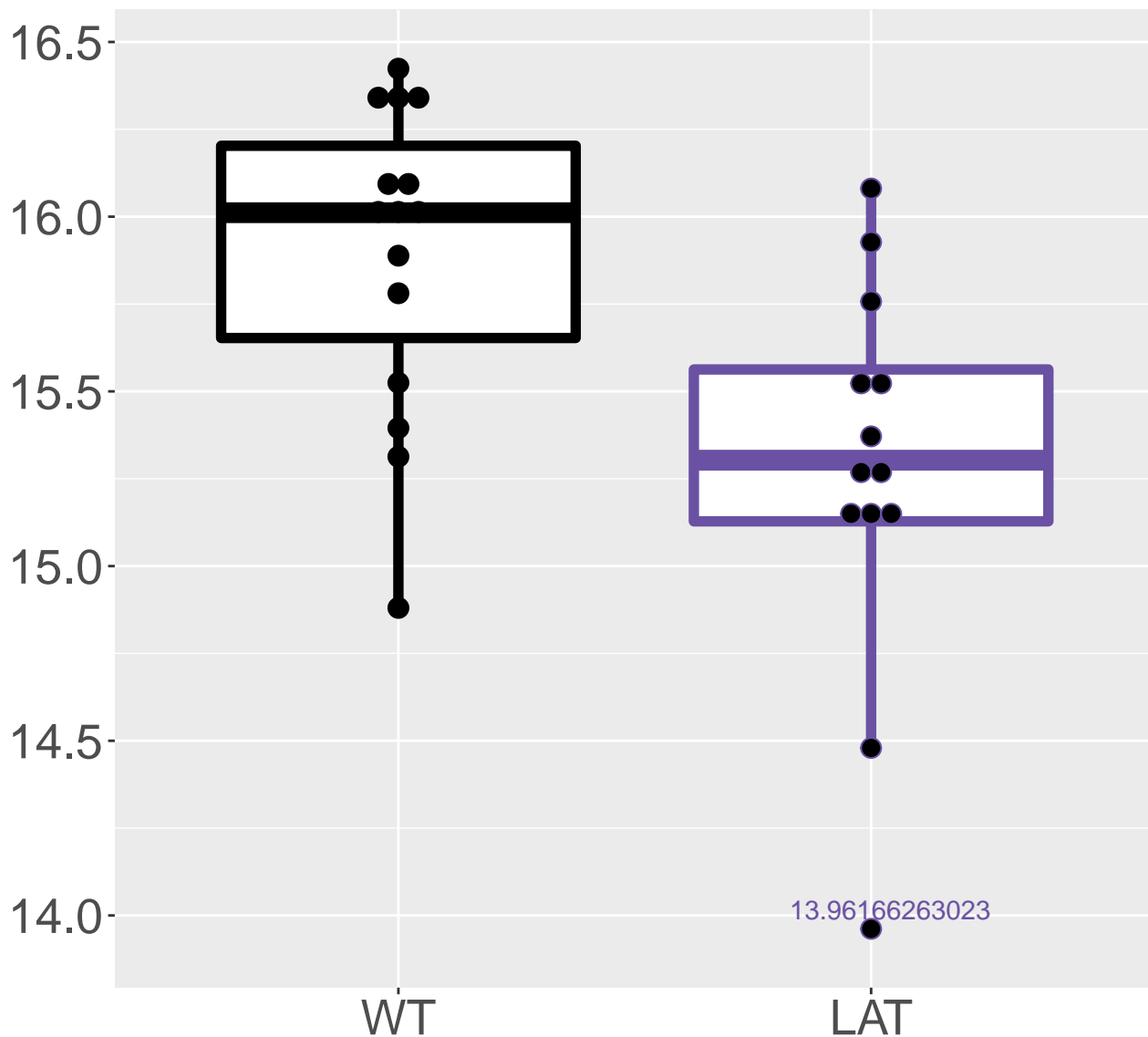
**FDR = 0.0084, FC = -0.68**



**M322.6862T134.12\_1**  
**FDR = 0.0085, FC = 0.89**



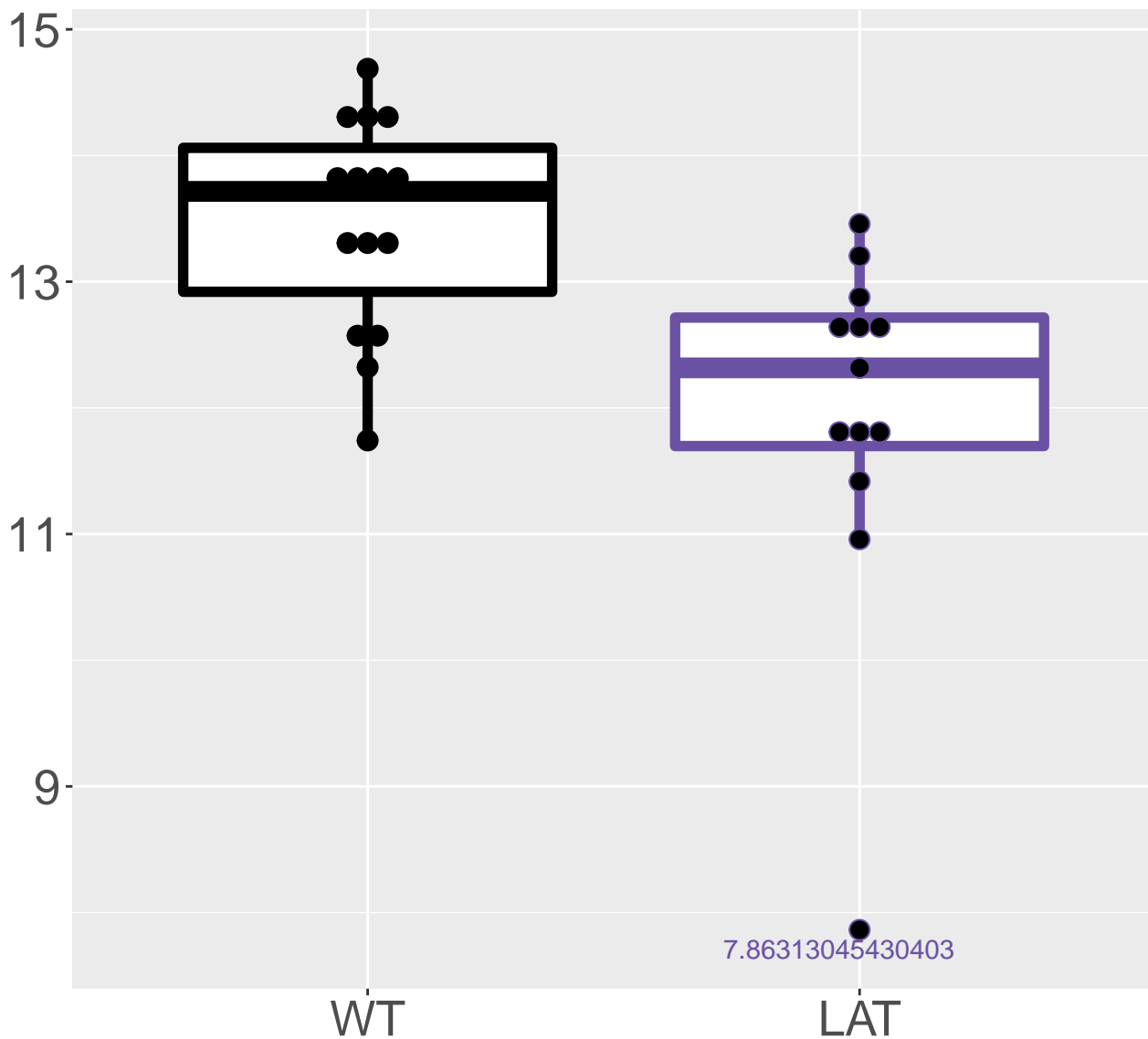
**M171.3821T113.16\_36**  
**FDR = 0.0085, FC = -0.62**





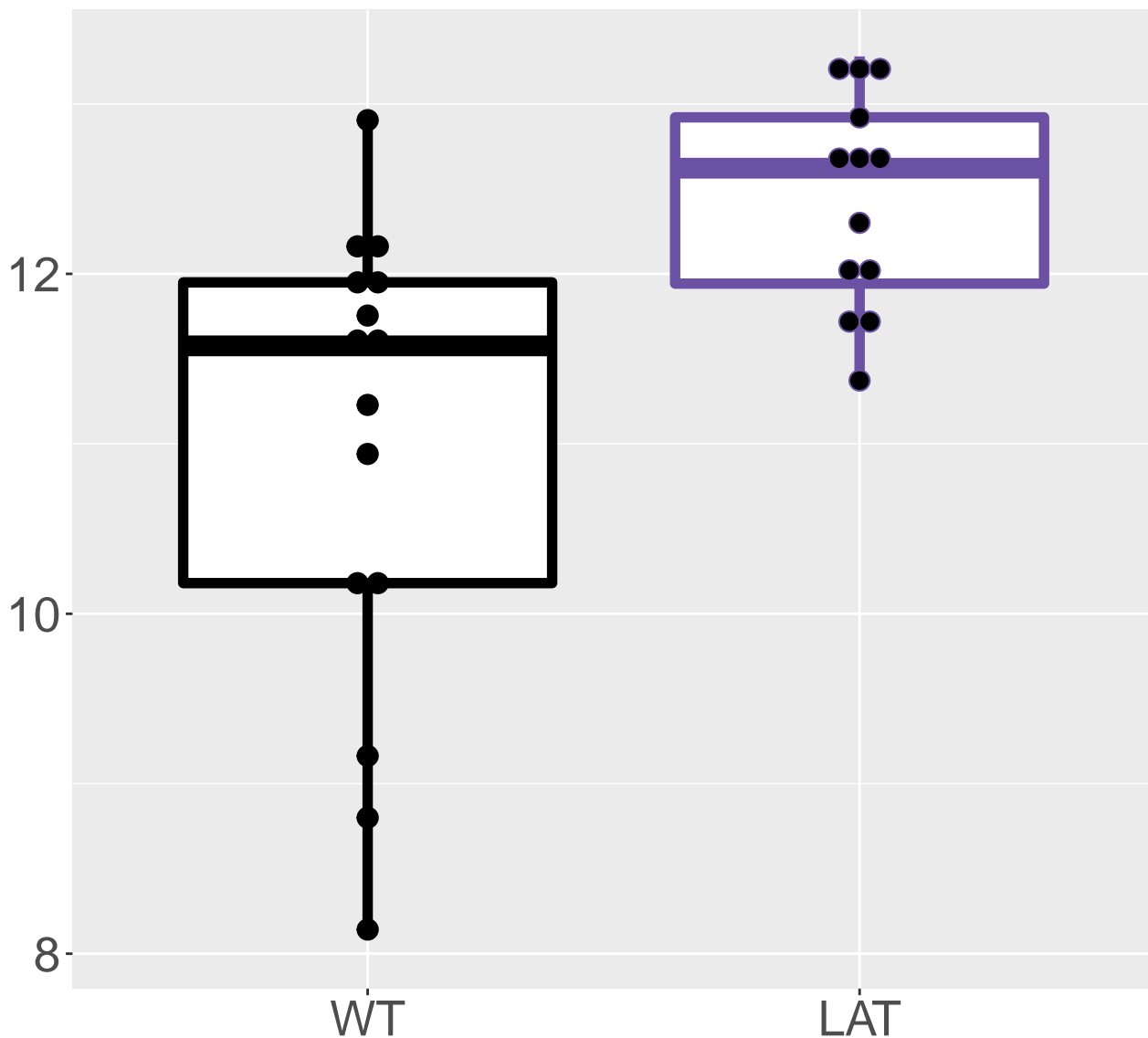
**M431.5844T311.45**

**FDR = 0.0085, FC = -1.5**



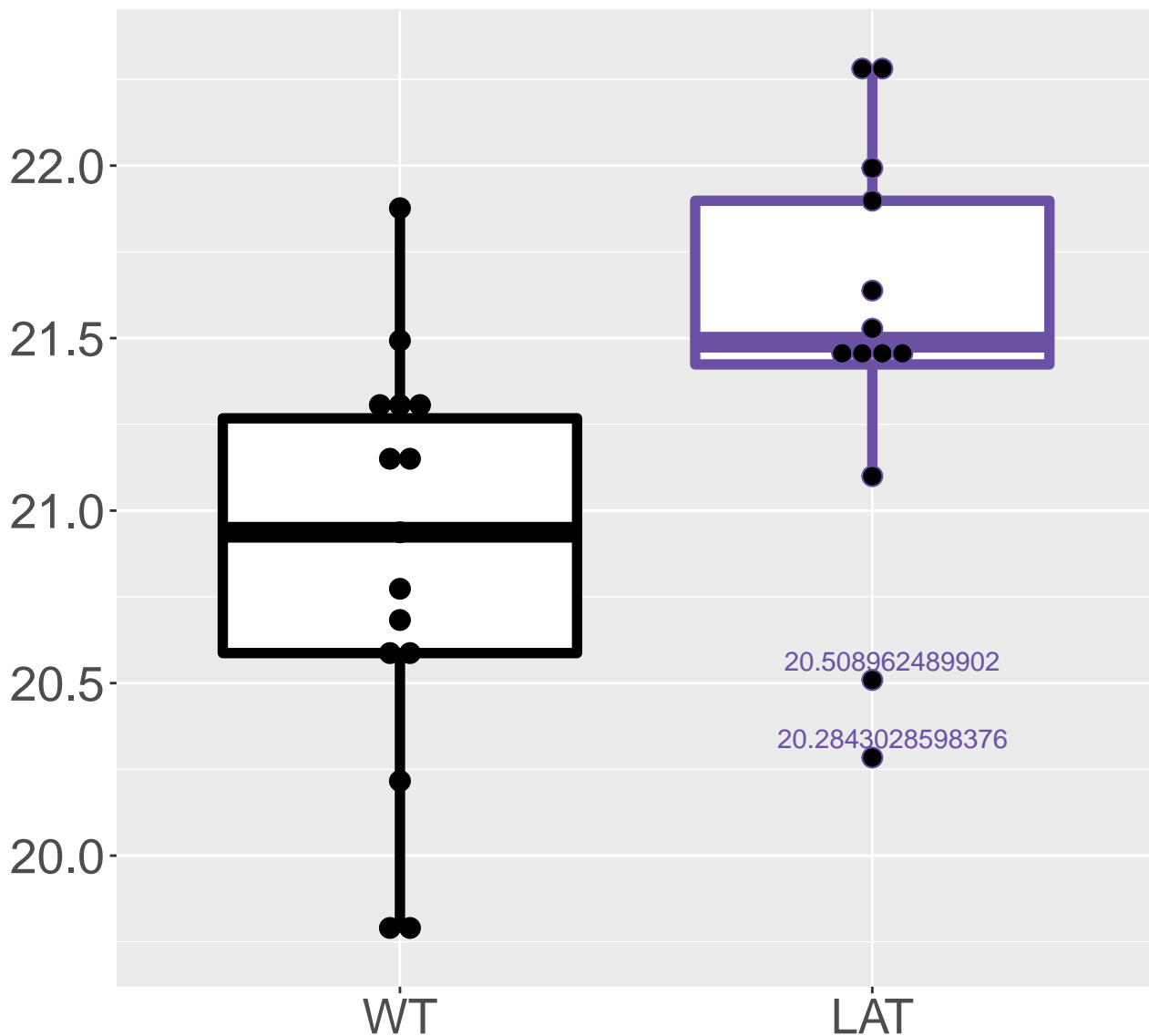
**M314.439T180.28**

**FDR = 0.0085, FC = 1.5**



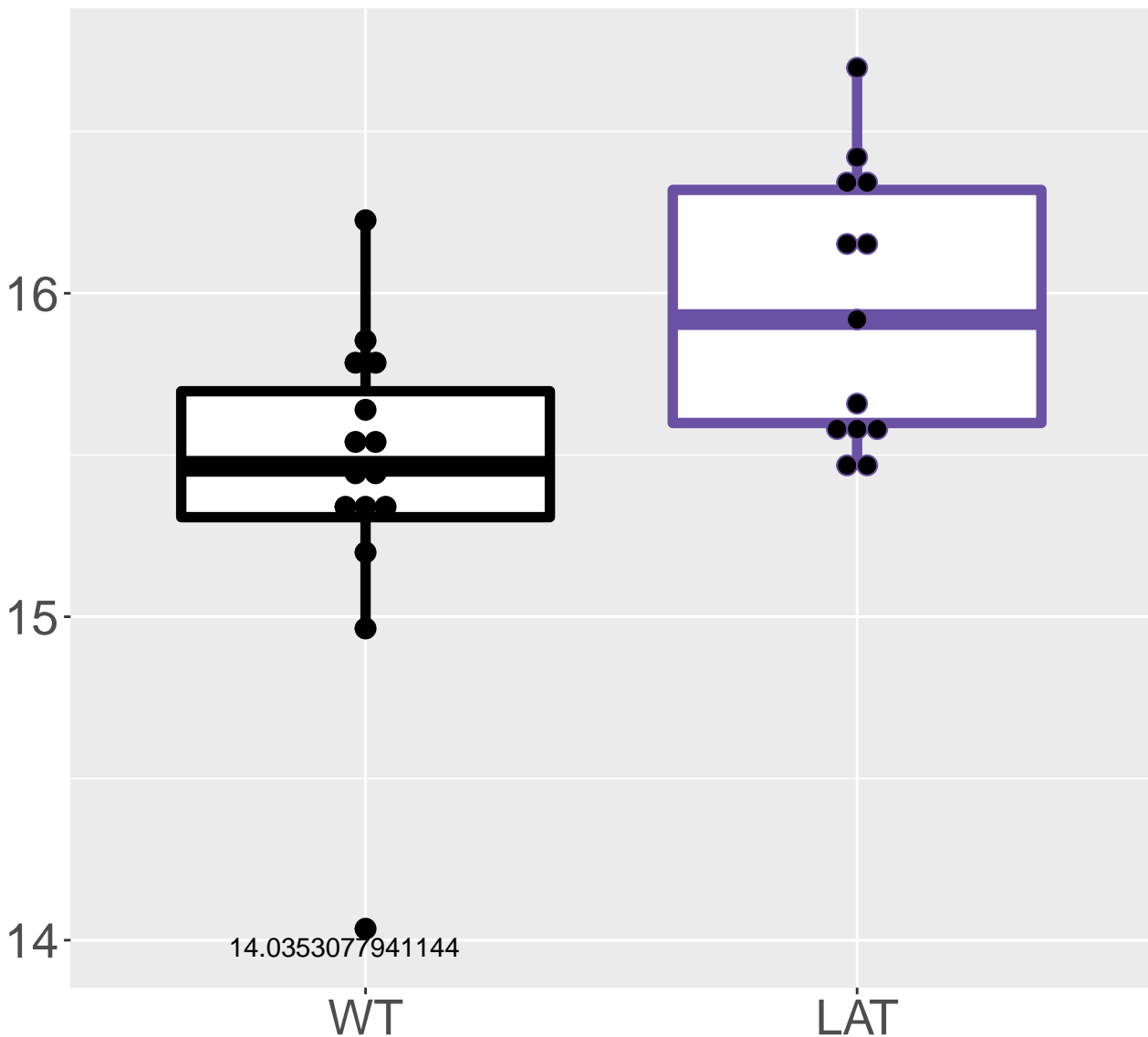
**M248.1503T63.11\_2**

**FDR = 0.0085, FC = 0.63, sex\***

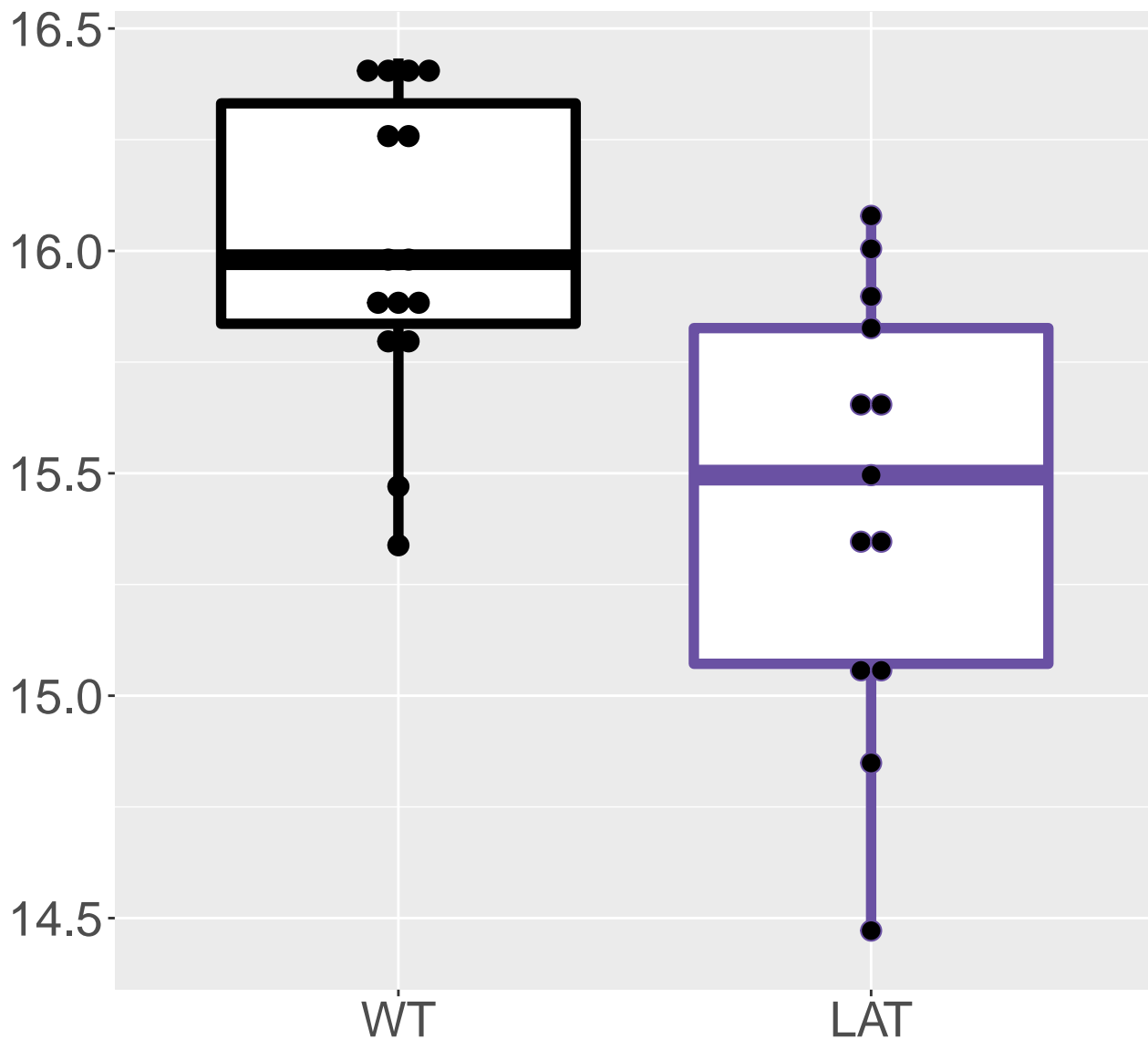


**M270.0653T51.14**

**FDR = 0.0085, FC = 0.52**

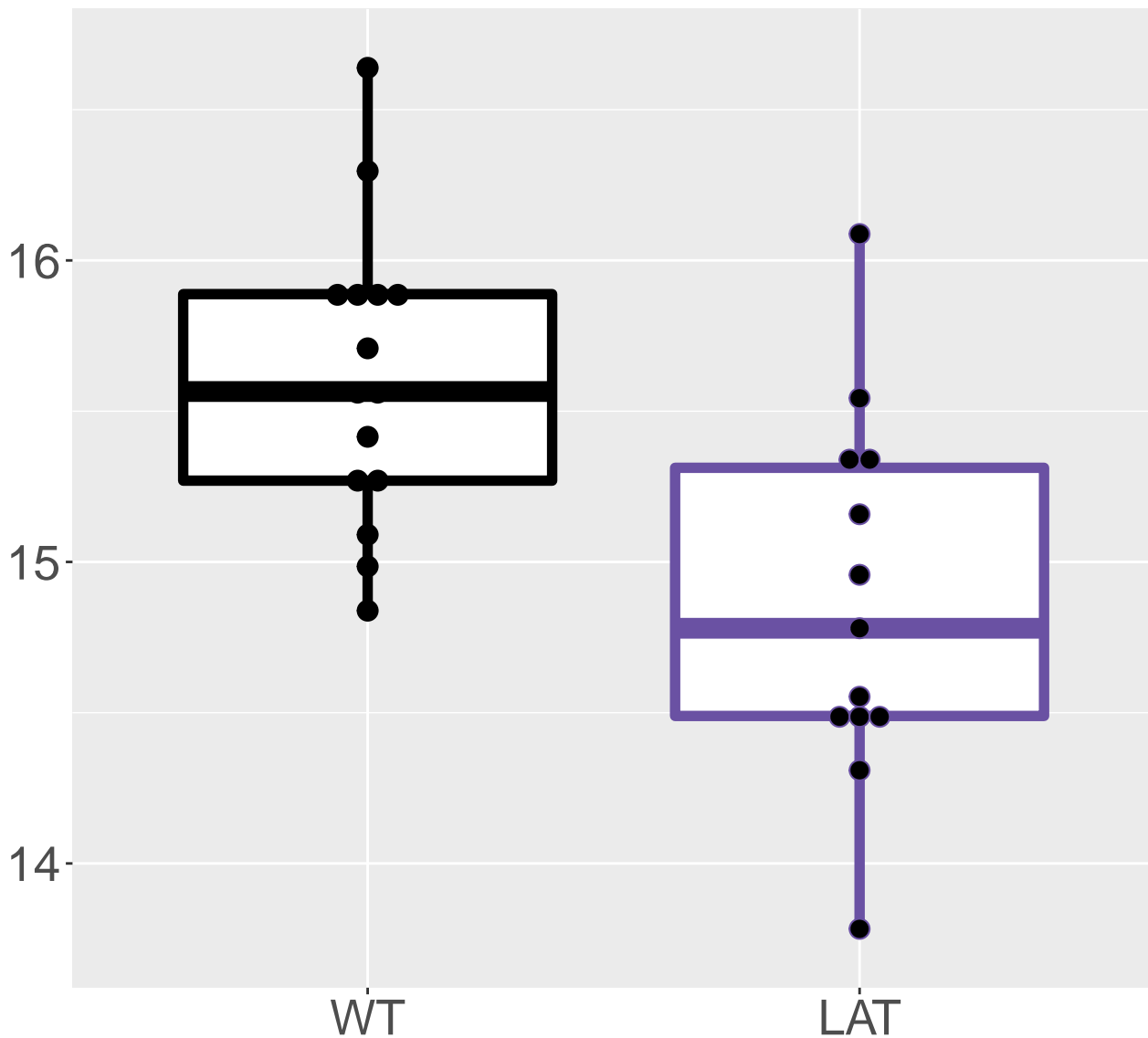


**M170.1474T113.16\_30**  
**FDR = 0.0086, FC = -0.57**



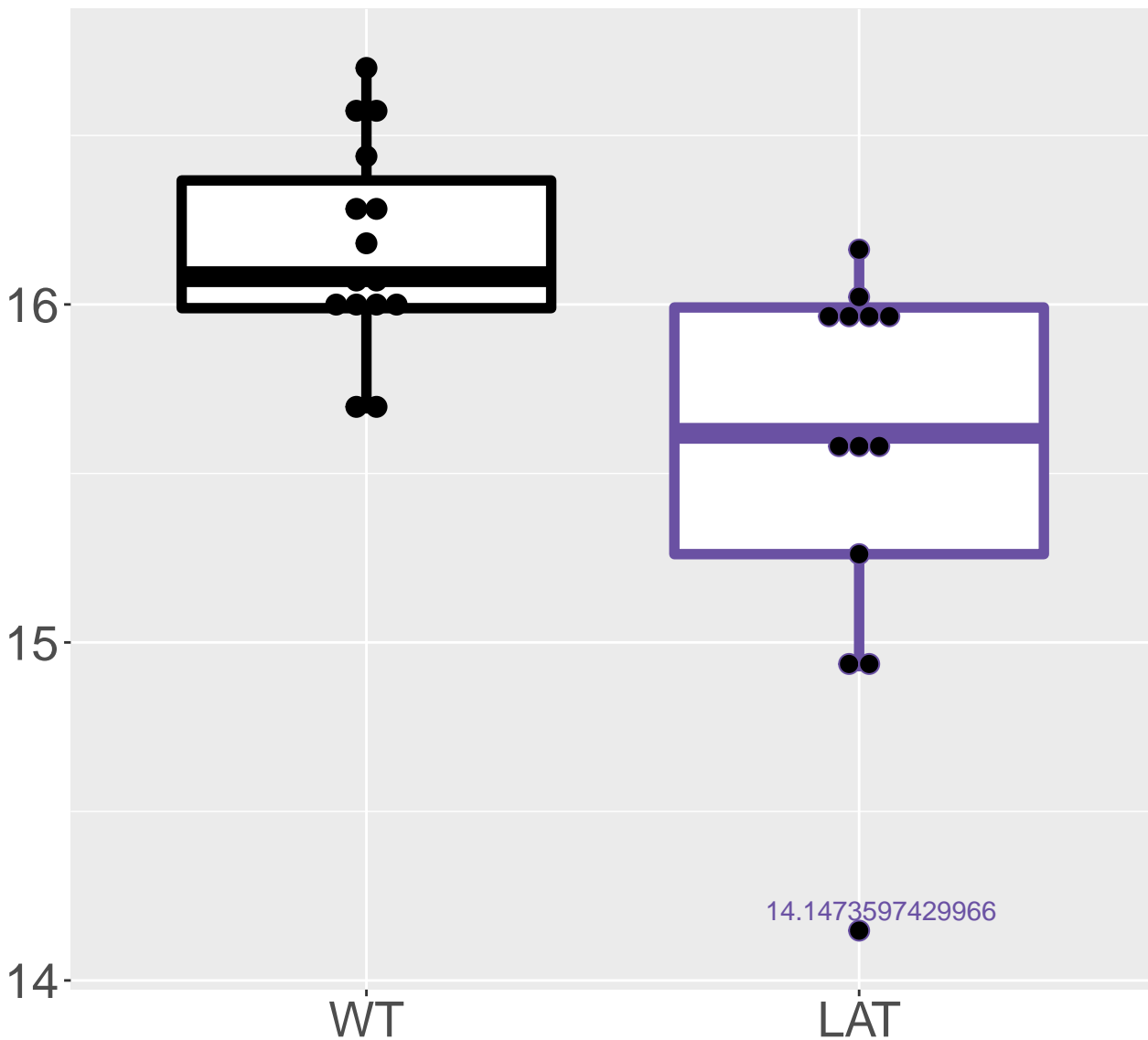
**M328.1618T52.59**

**FDR = 0.0086, FC = -0.74**

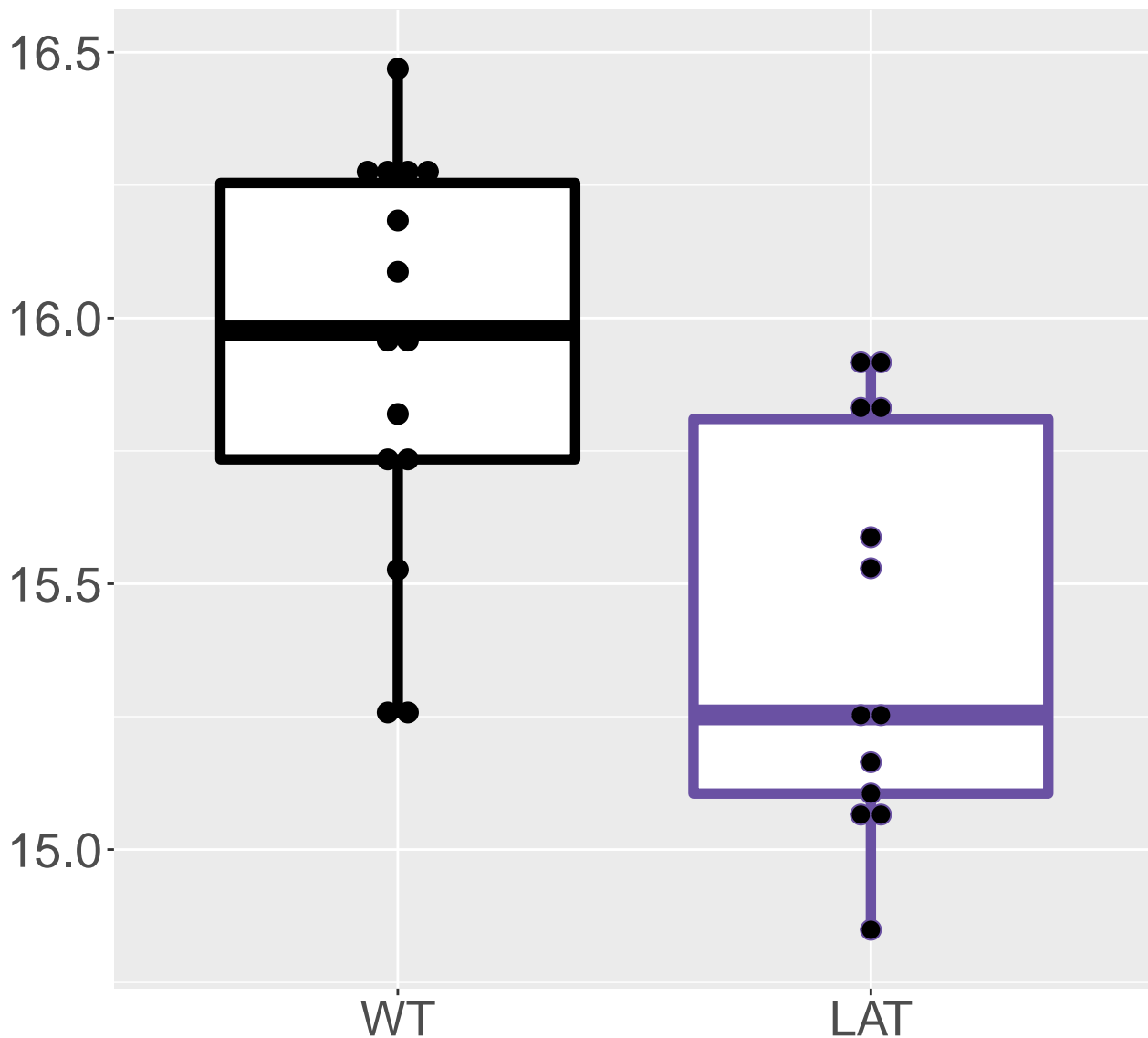


**M169.0781T113.2\_29**

**FDR = 0.0086, FC = -0.62**



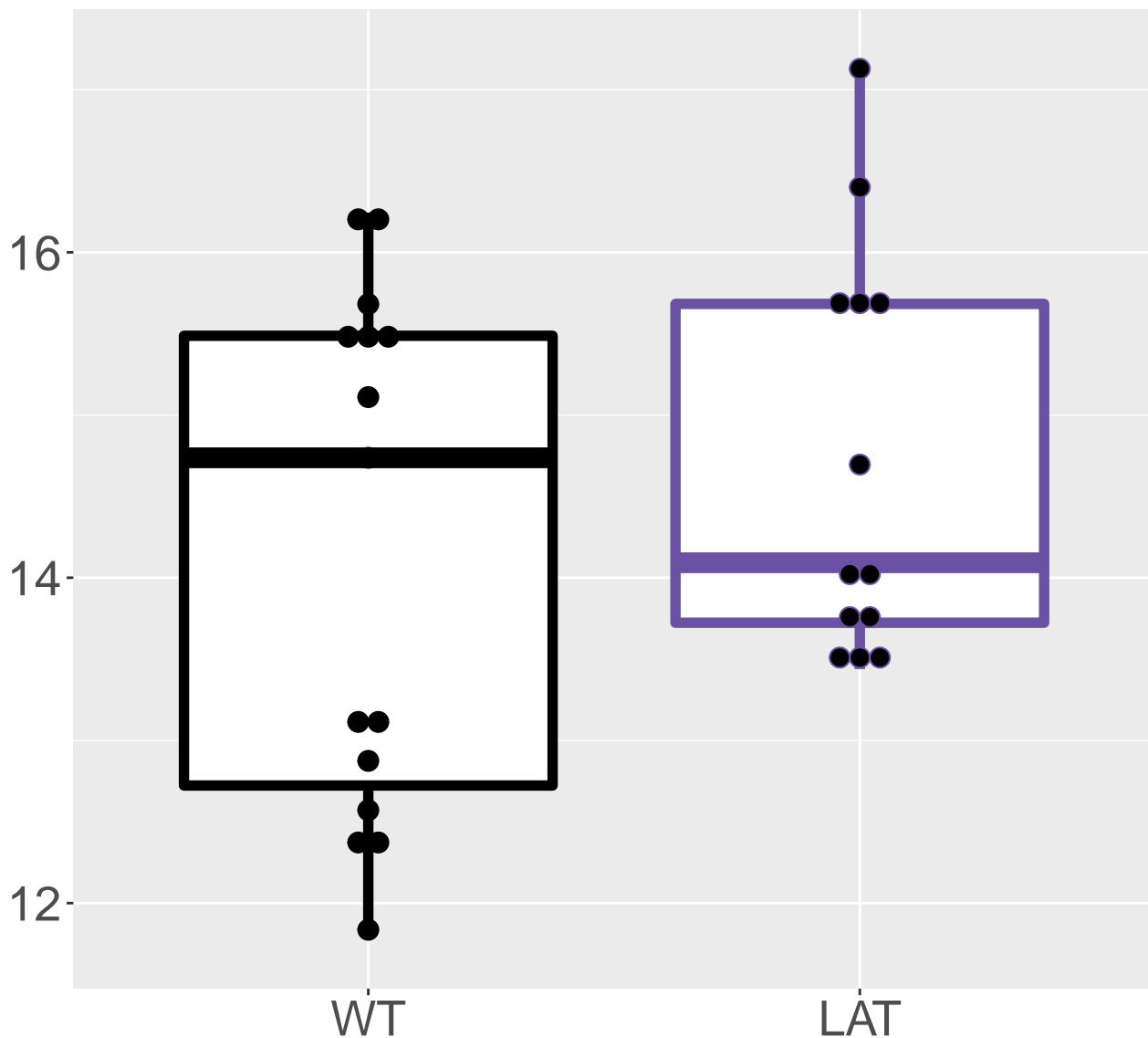
**M160.0599T113.22\_27**  
**FDR = 0.0086, FC = -0.53**





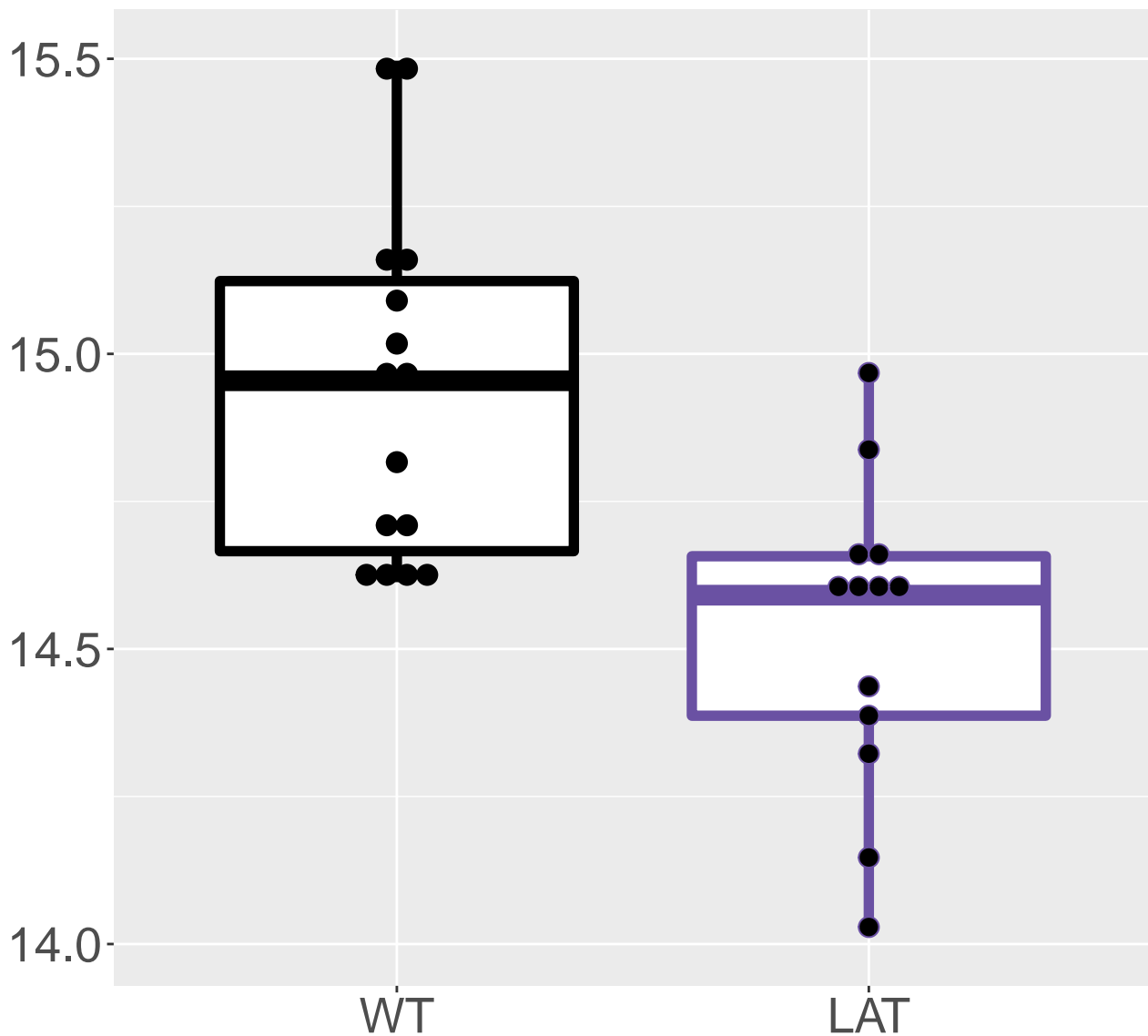
**M302.1615T151.91**

**FDR = 0.0087, FC = 0.55, sex\*\*\***

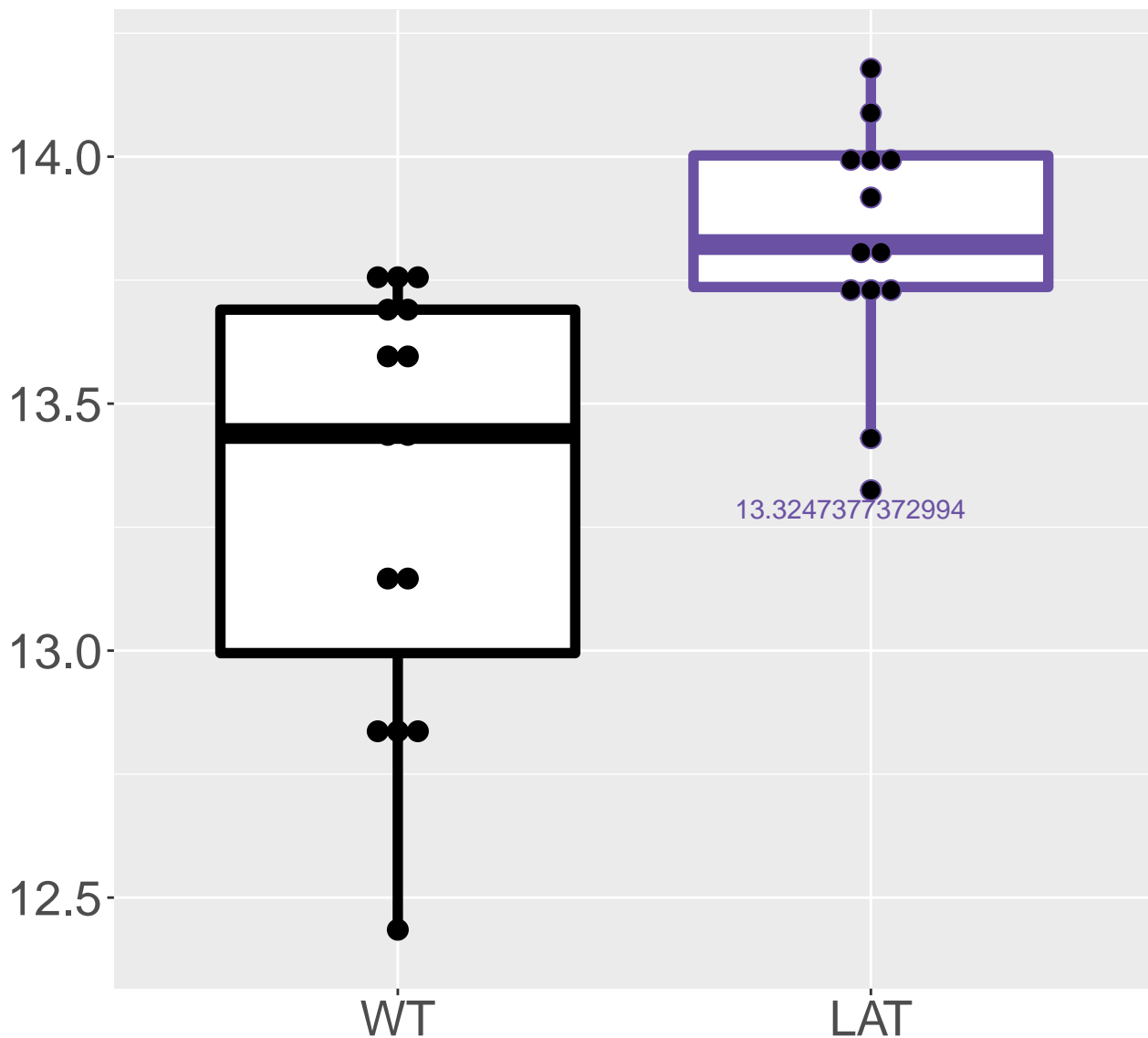


**M301.0744T41.47**

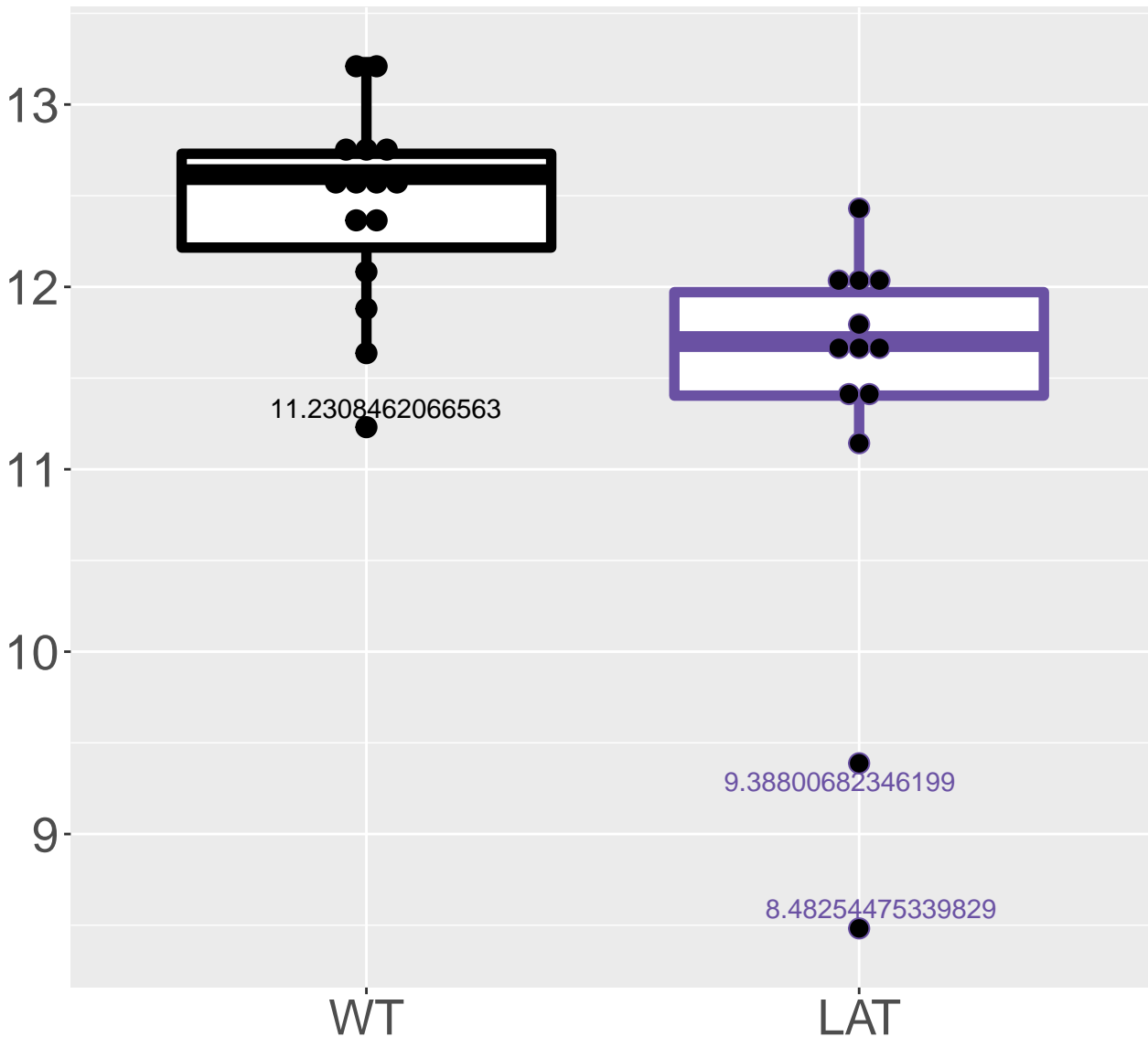
**FDR = 0.0088, FC = -0.41**



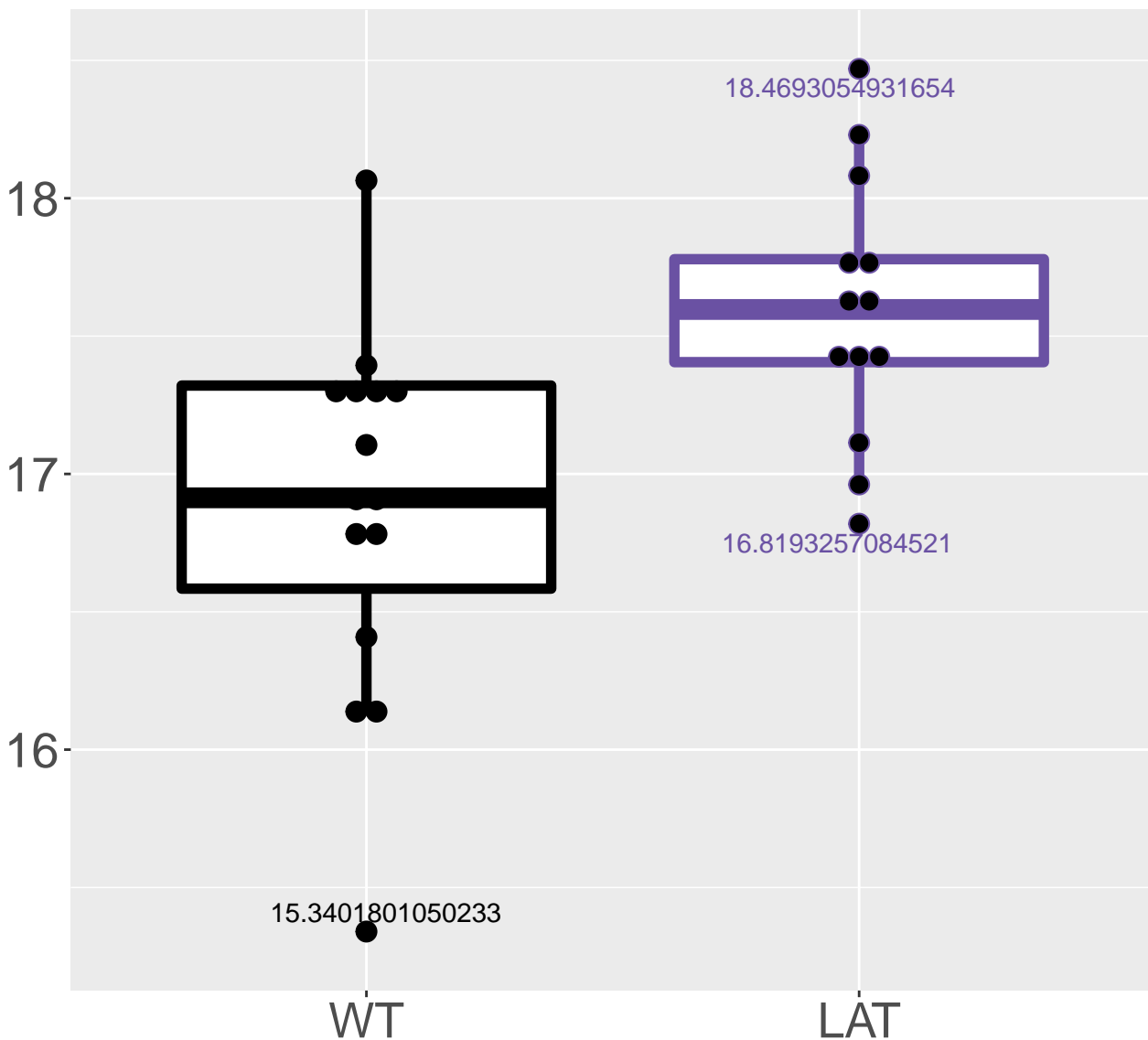
**M615.3534T246.75**  
**FDR = 0.0088, FC = 0.5**



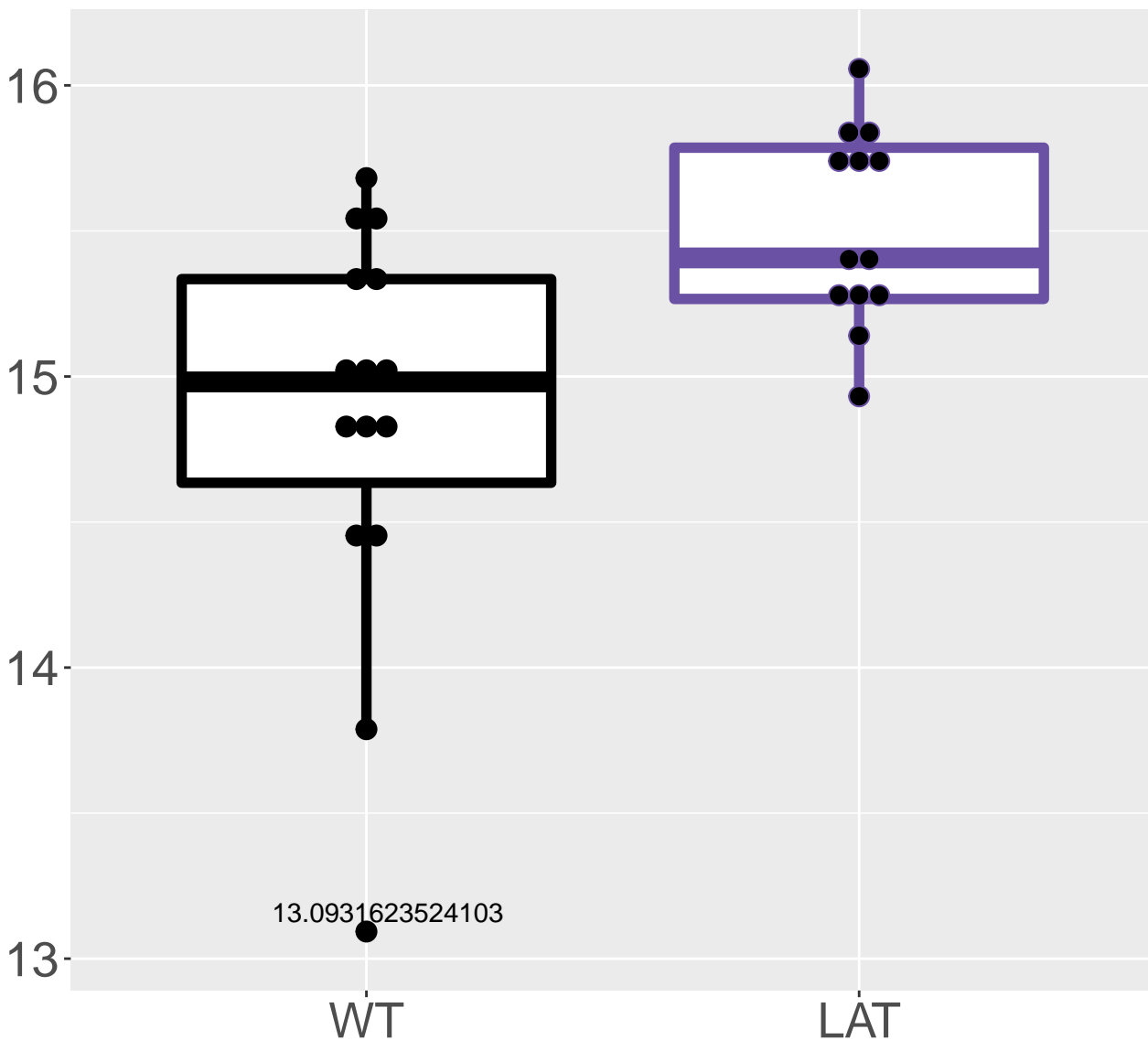
**M323.8596T139.55**  
**FDR = 0.0088, FC = -1.1**



**M792.2463T298.67\_3**  
**FDR = 0.0088, FC = 0.71**

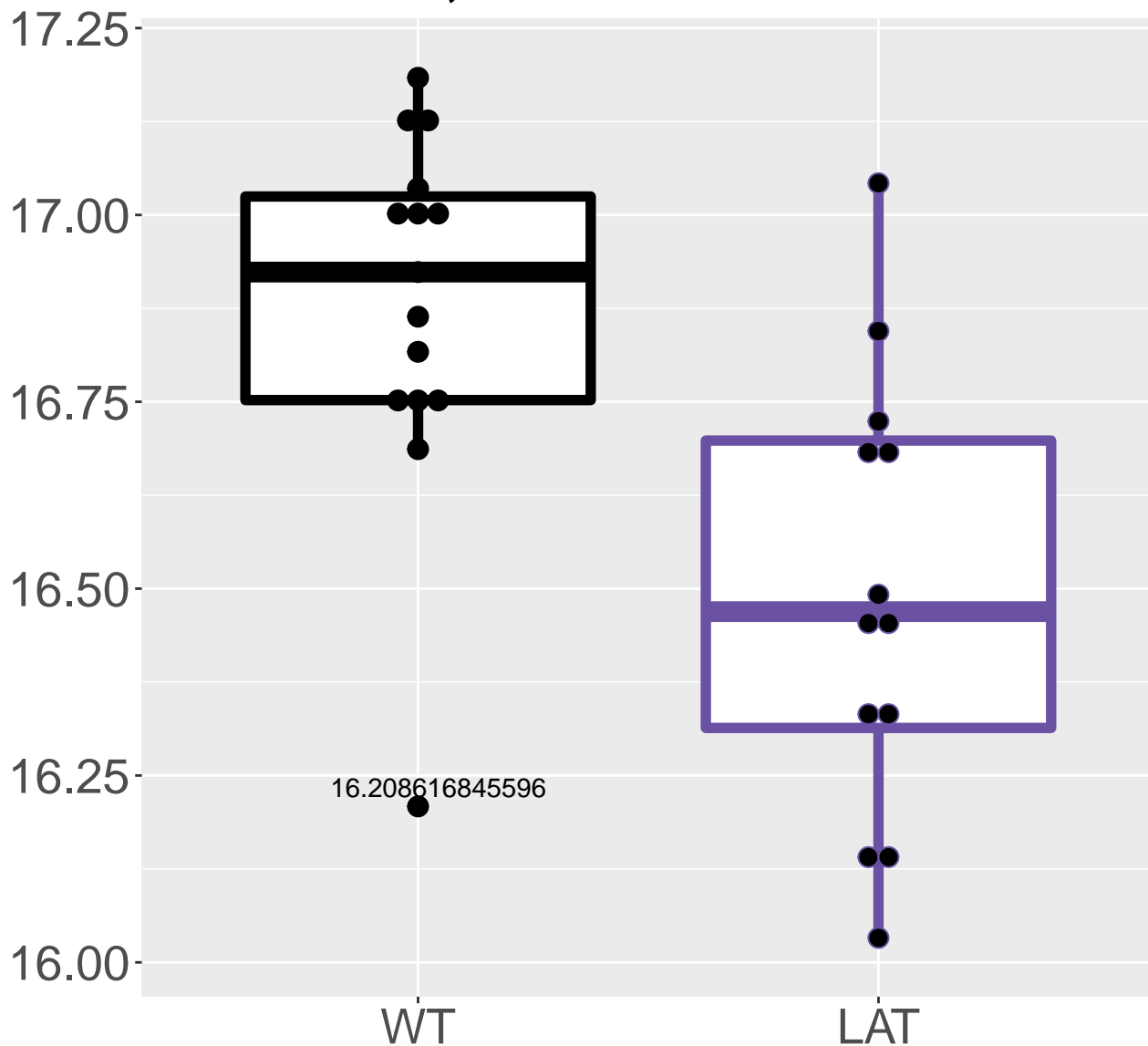


**FDR = 0.0088, FC = 0.66**

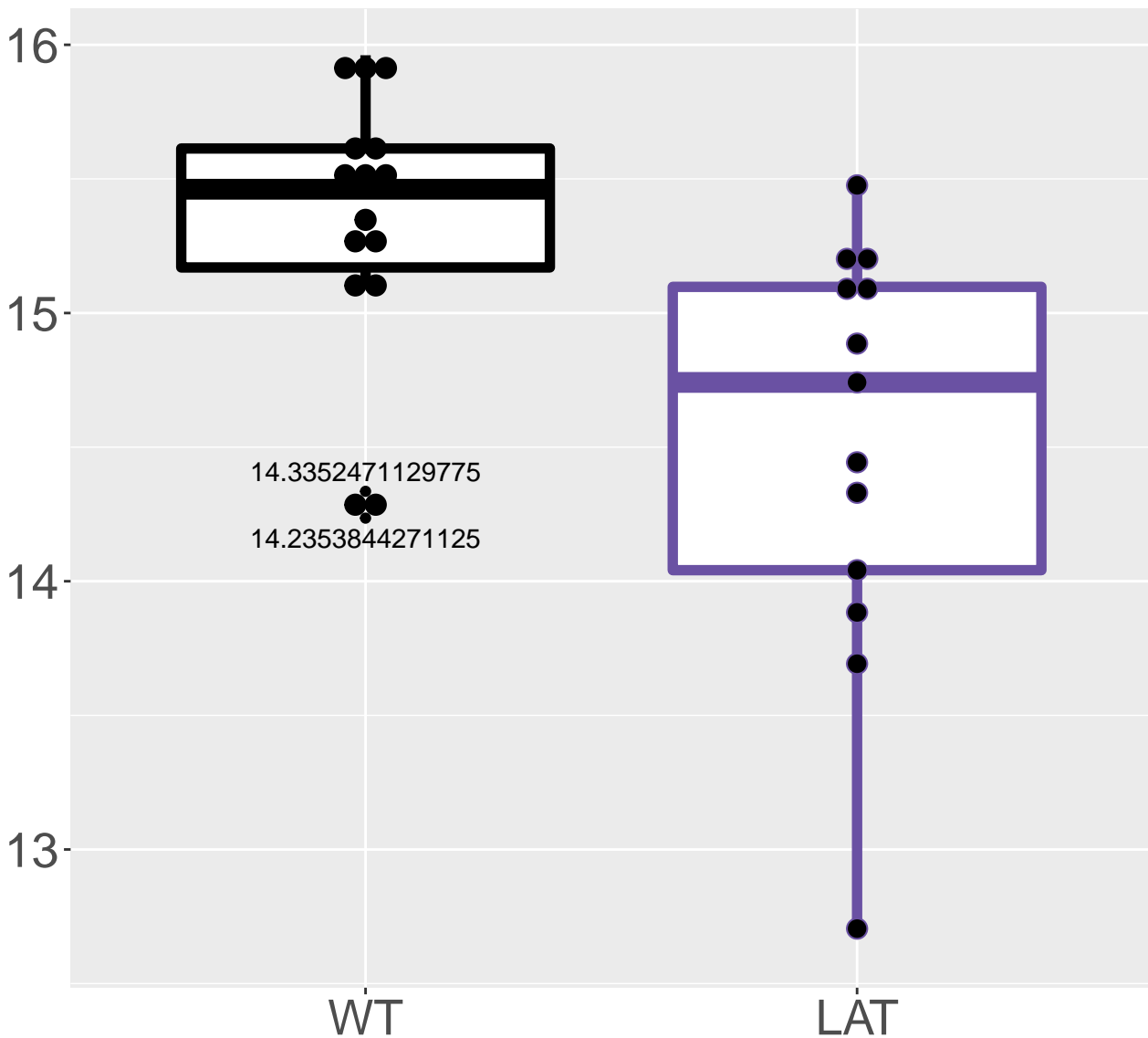


**M137.0796T66.83**

**FDR = 0.0088, FC = -0.39**

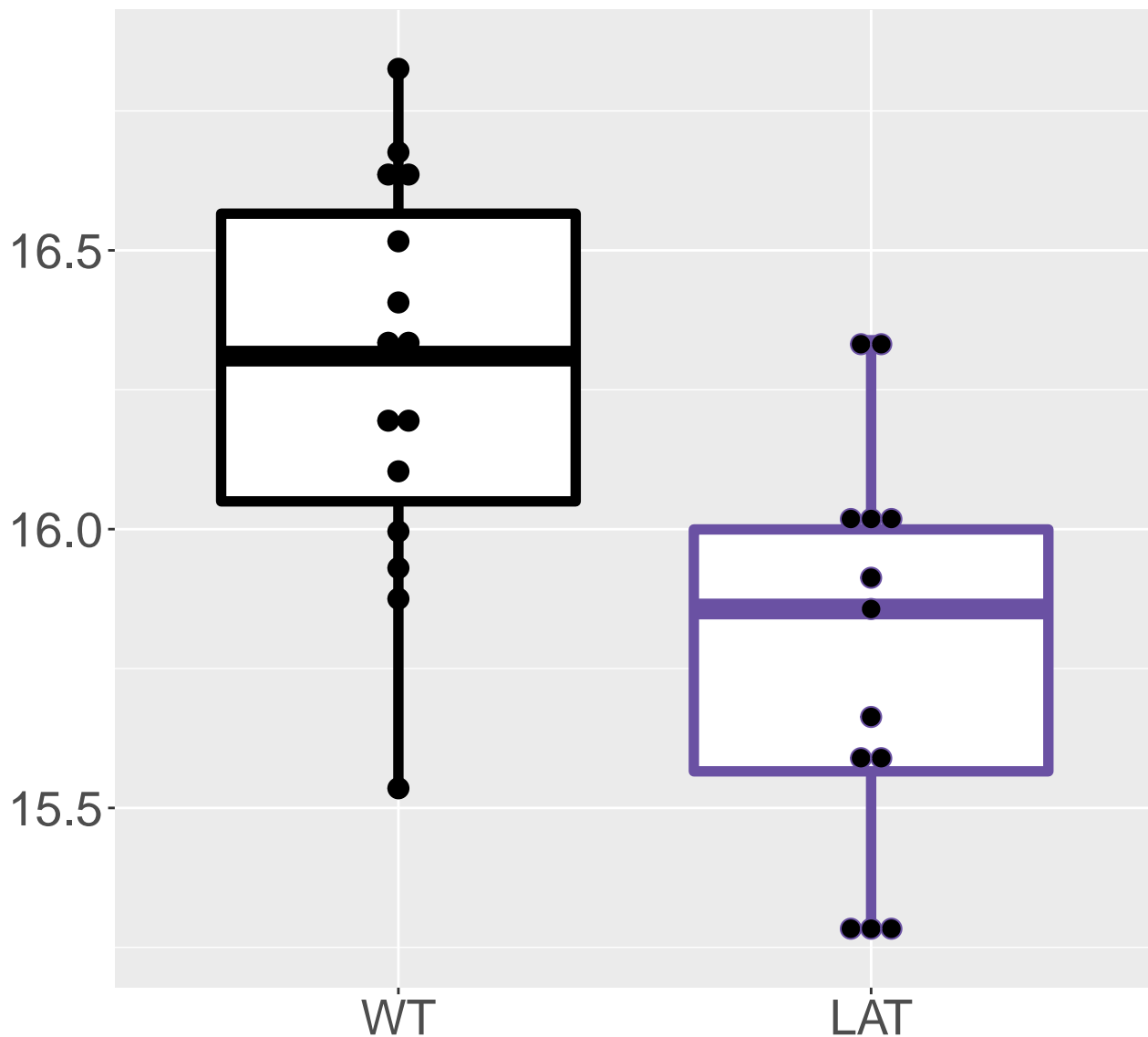


**M155.8121T113.08\_13**  
**FDR = 0.0089, FC = -0.82**

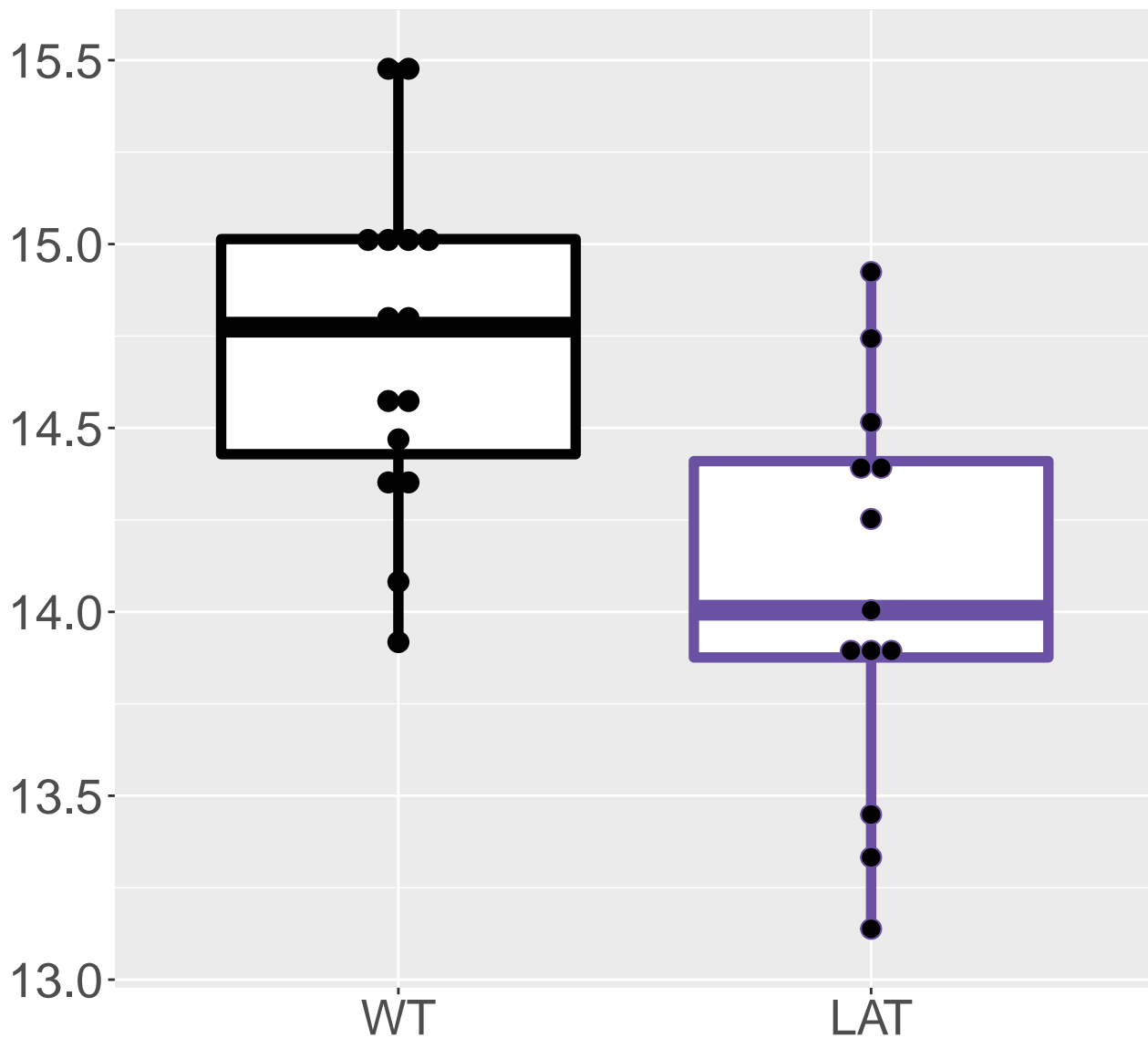




**M170.0961T113.13\_28**  
**FDR = 0.009, FC = -0.5**

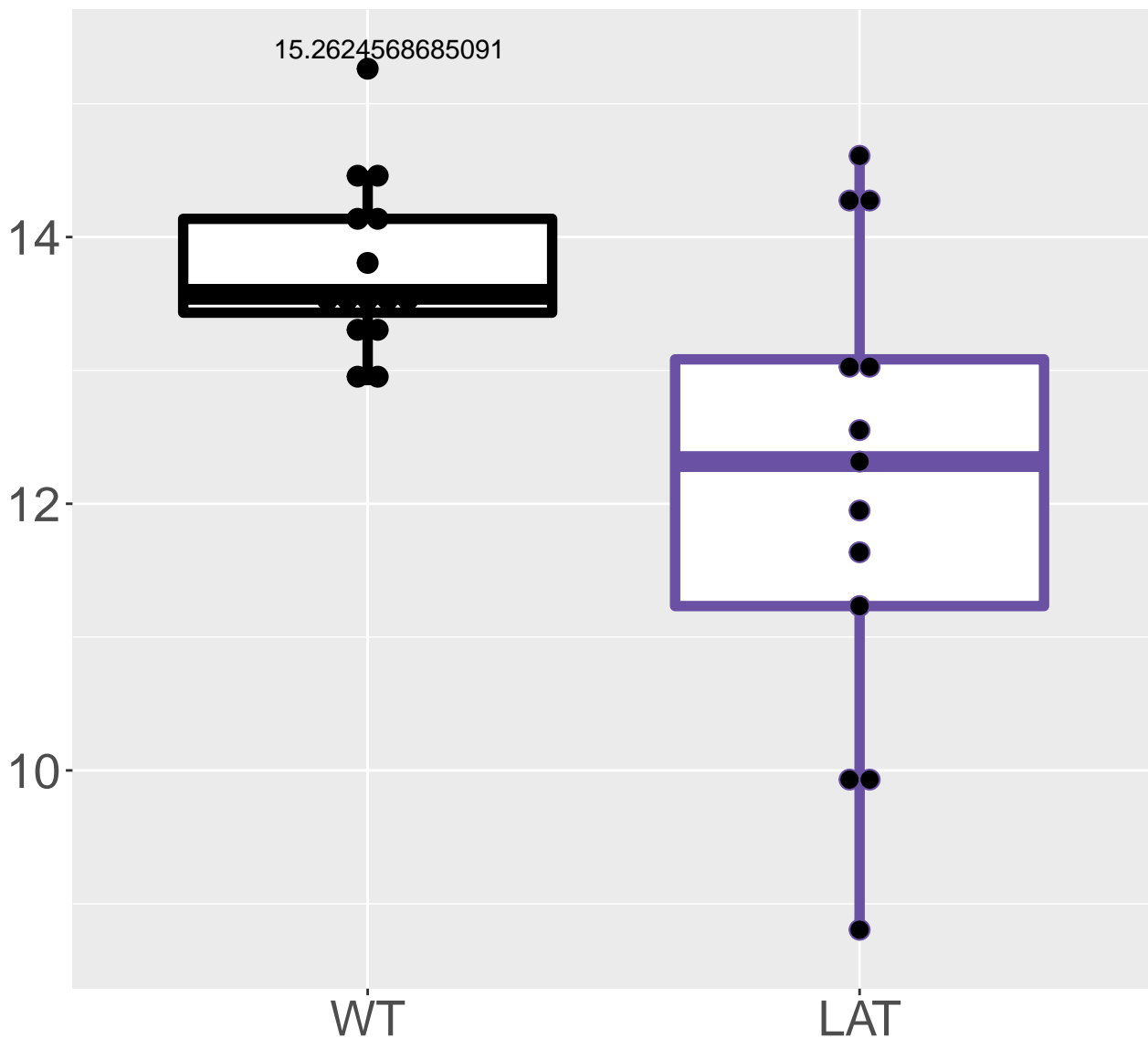


**M308.1851T275.45\_1**  
**FDR = 0.009, FC = -0.67**



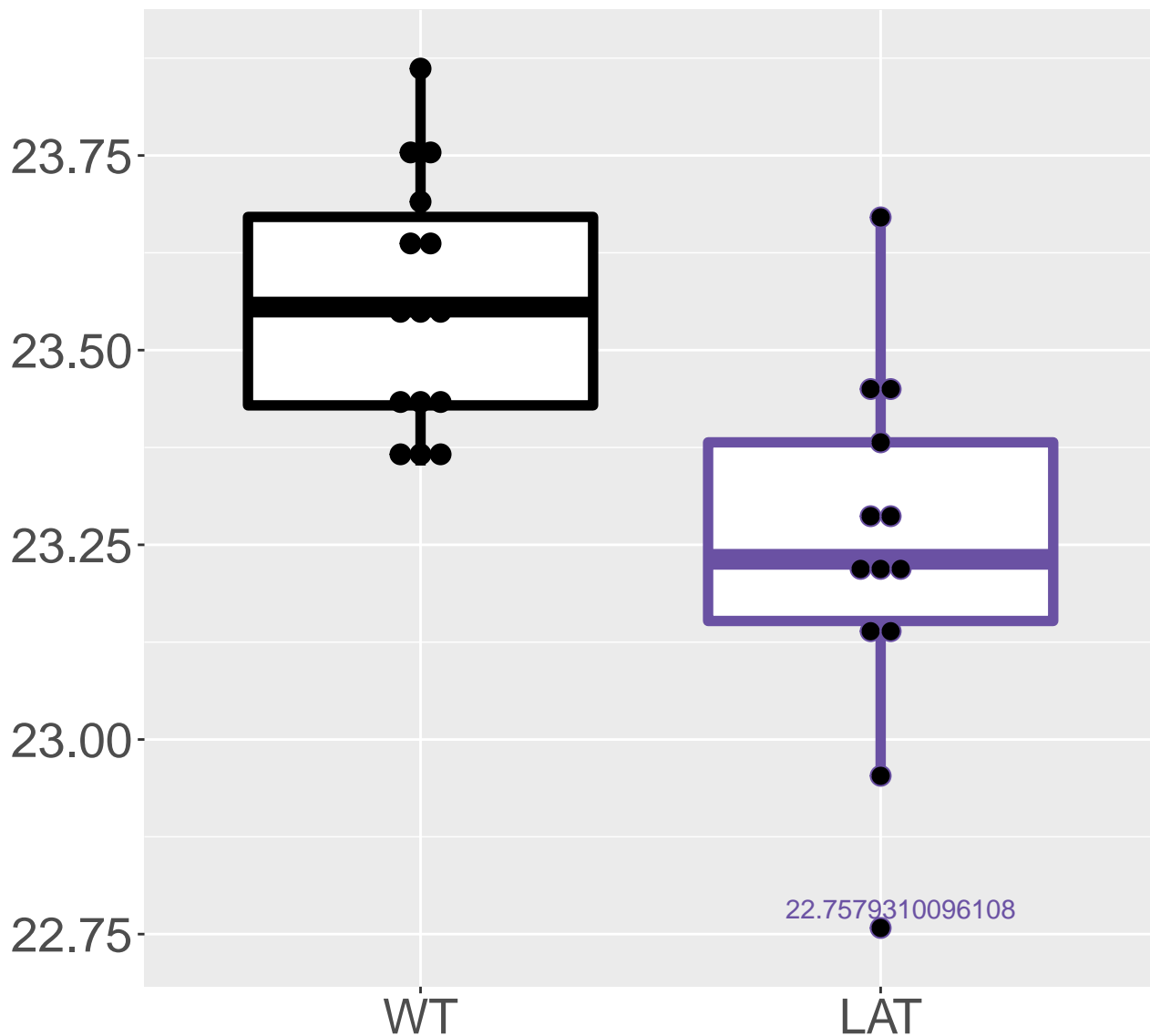
**M536.127T384.69**

**FDR = 0.009, FC = -1.6**



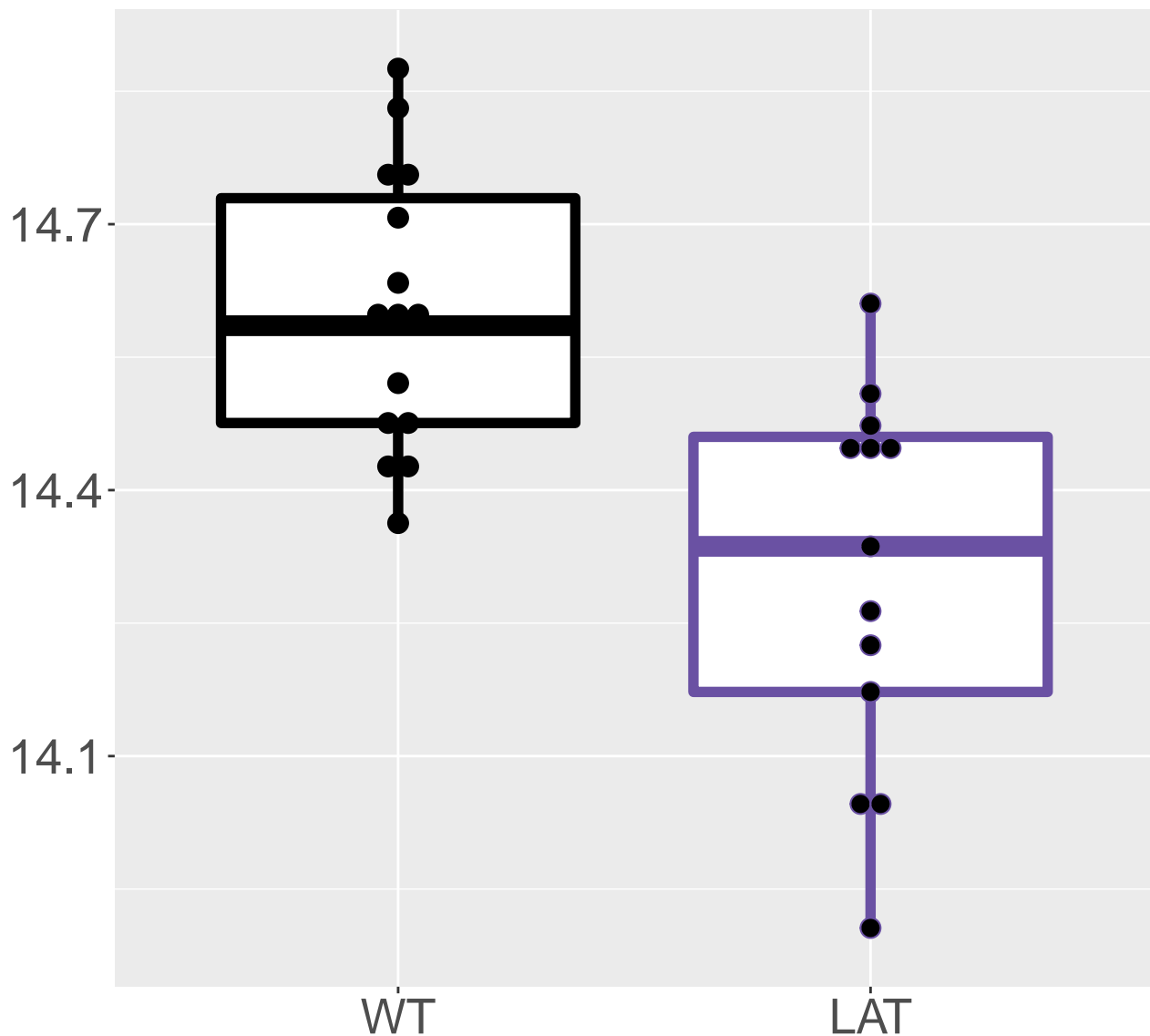
**L-Histidine**

**FDR = 0.009, FC = -0.32**

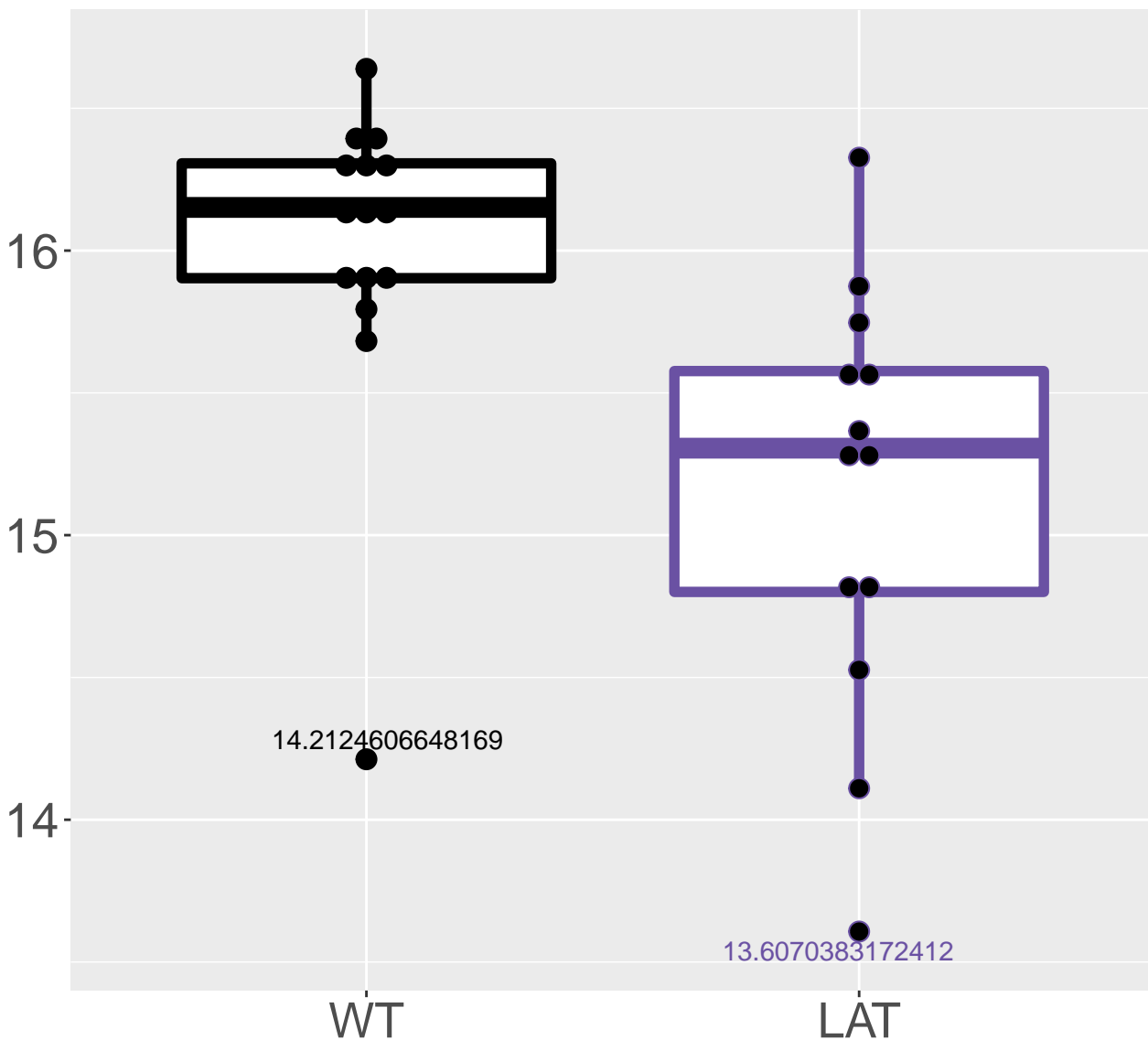


**M232.6695T229.23**

**FDR = 0.0091, FC = -0.3**

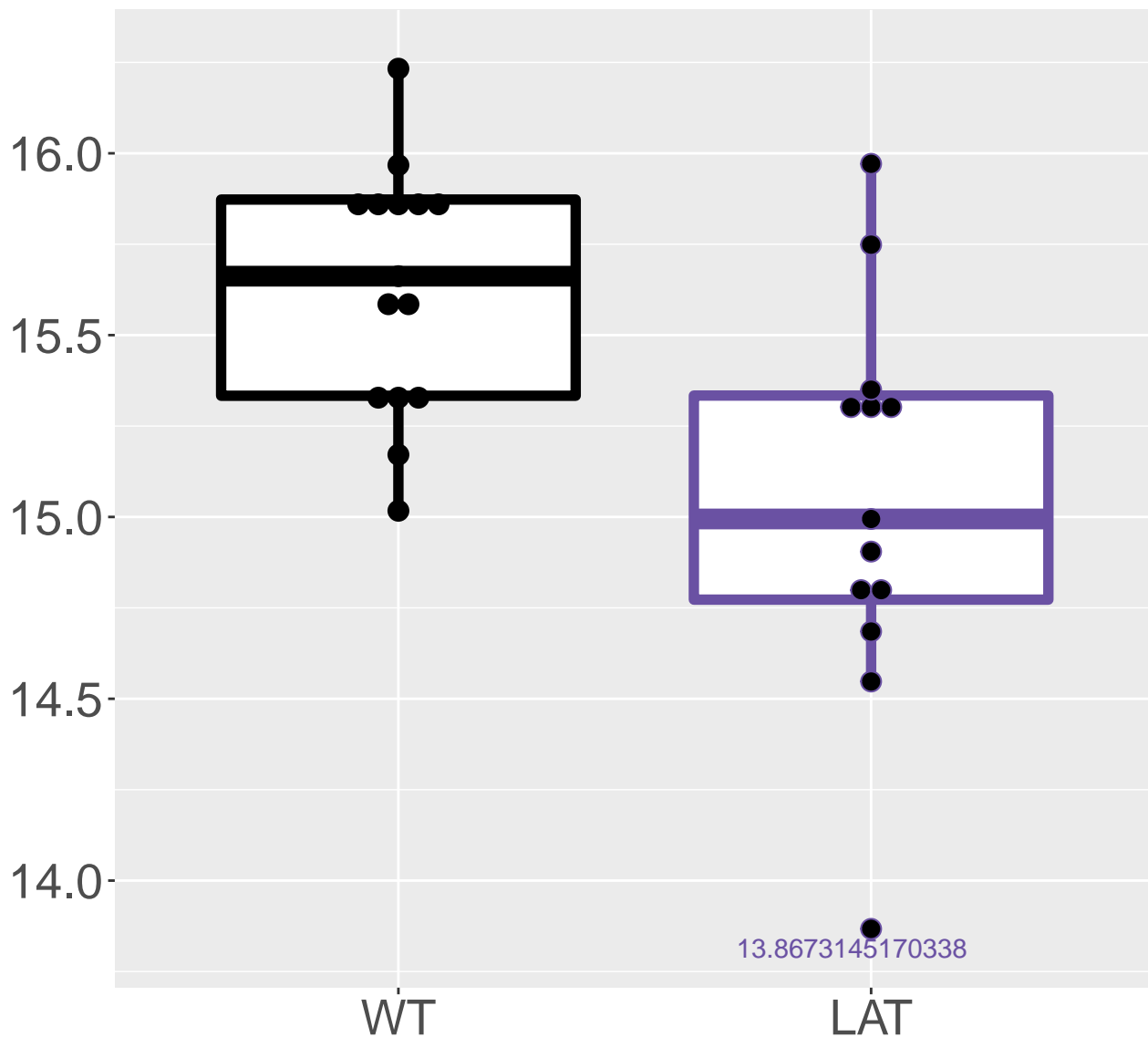


**M170.0129T113.22\_24**  
**FDR = 0.0092, FC = -0.86**



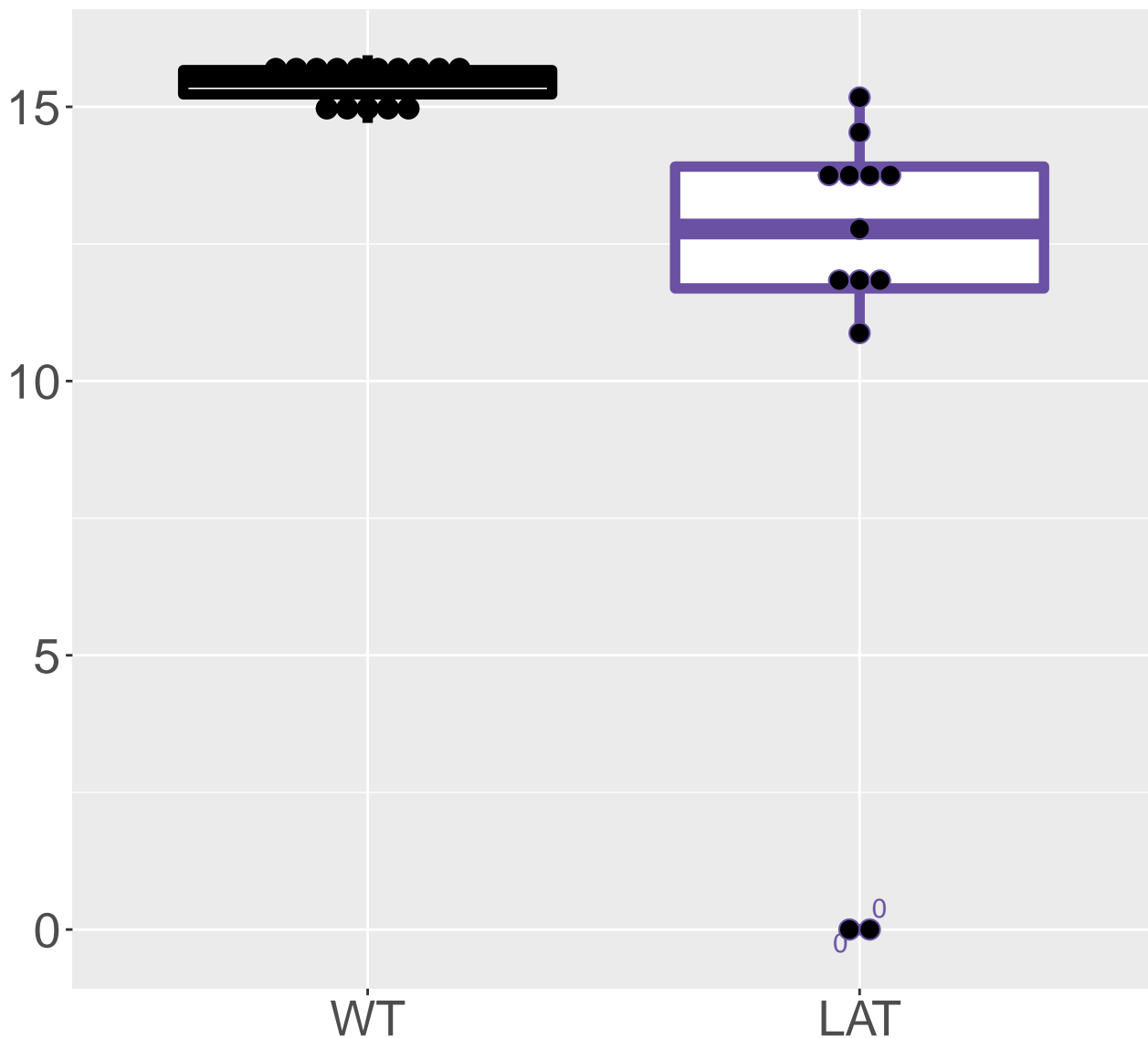
**M337.1414T243.41**

**FDR = 0.0092, FC = -0.59**



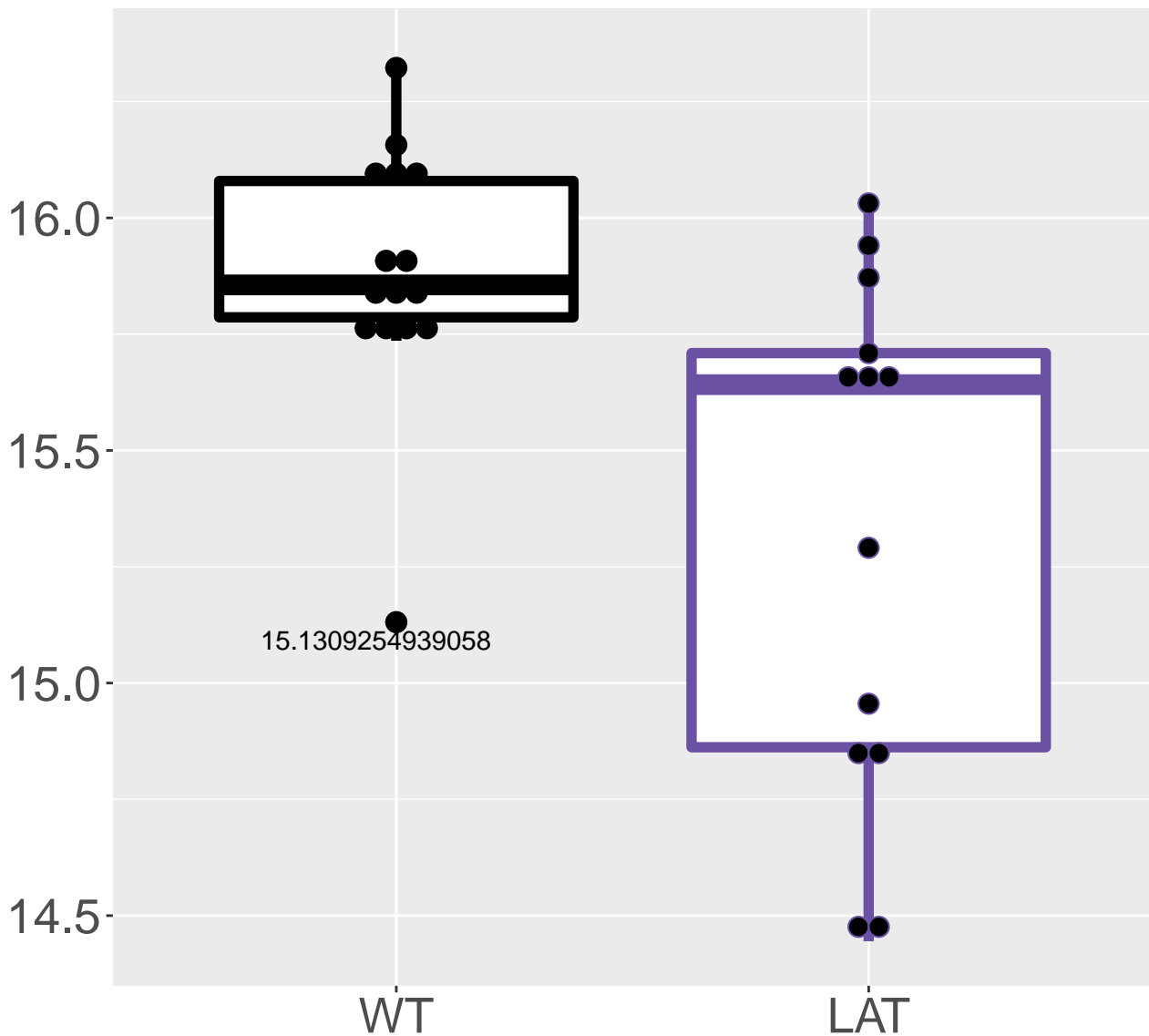
**M651.2845T46.63**

**FDR = 0.0093, FC = -4.4**



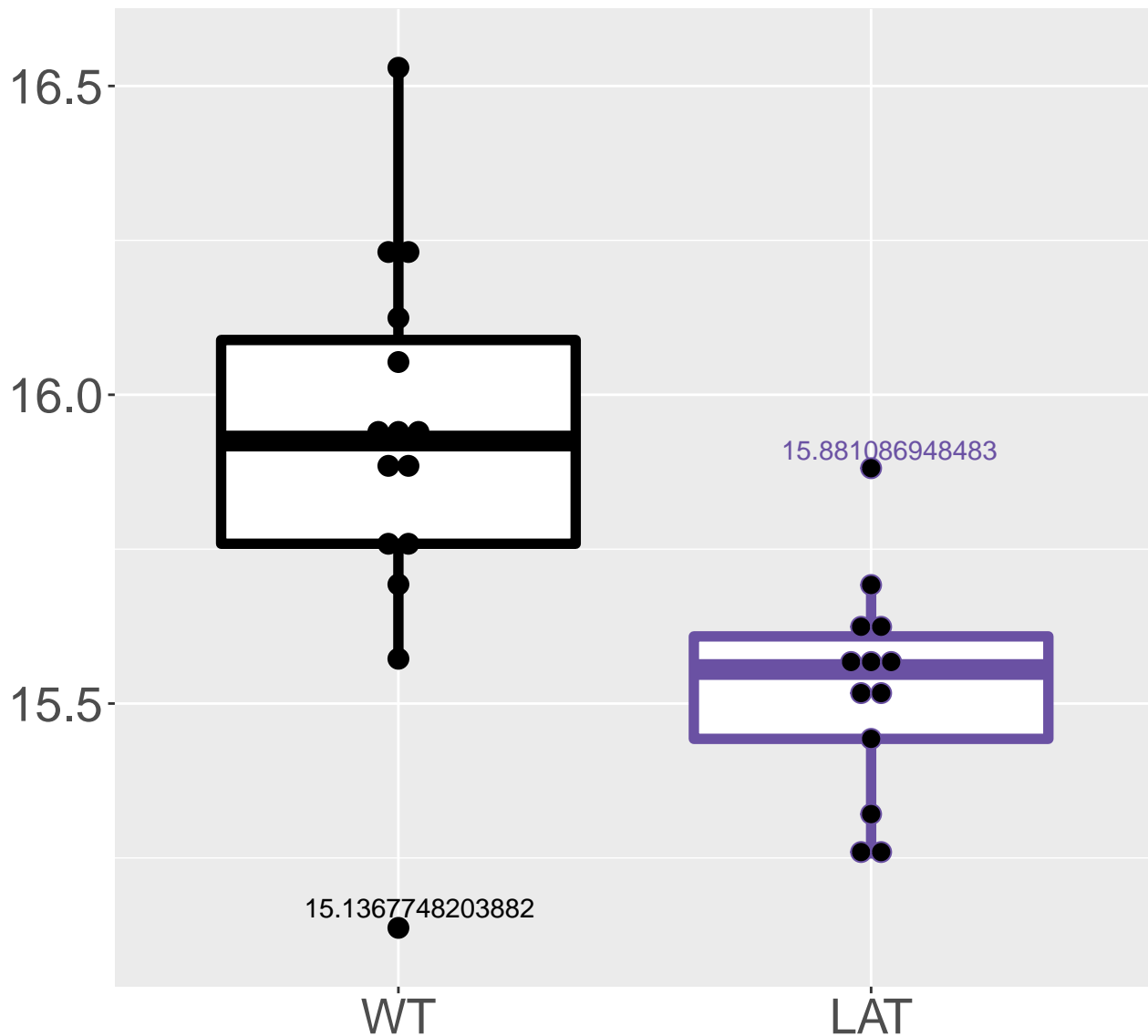


**M160.6369T113.22\_7**  
**FDR = 0.0093, FC = -0.55**

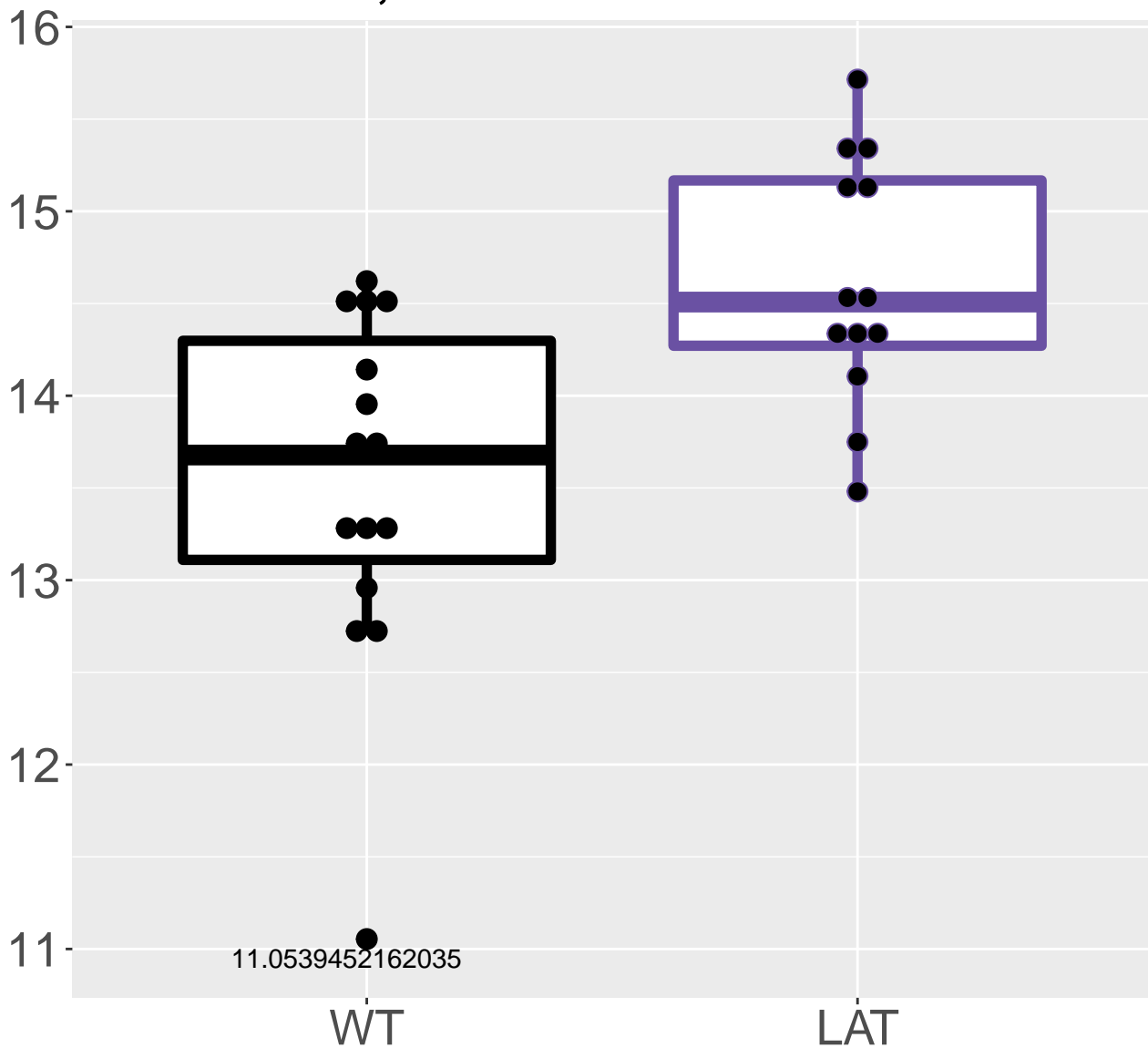


**M165.9884T45.23**

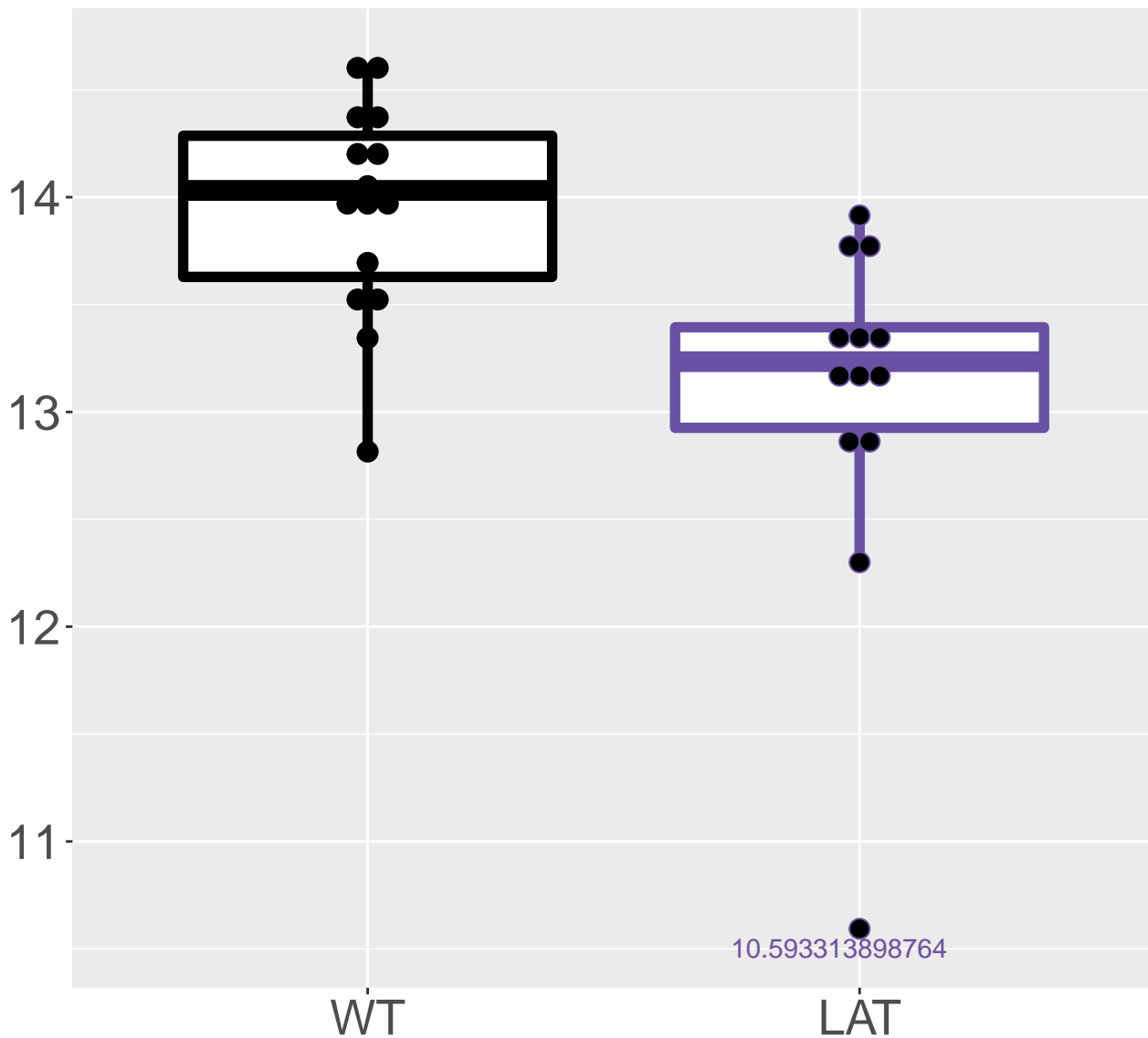
**FDR = 0.0093, FC = -0.39**



**M650.7611T320.65\_1**  
**FDR = 0.0093, FC = 1.1**

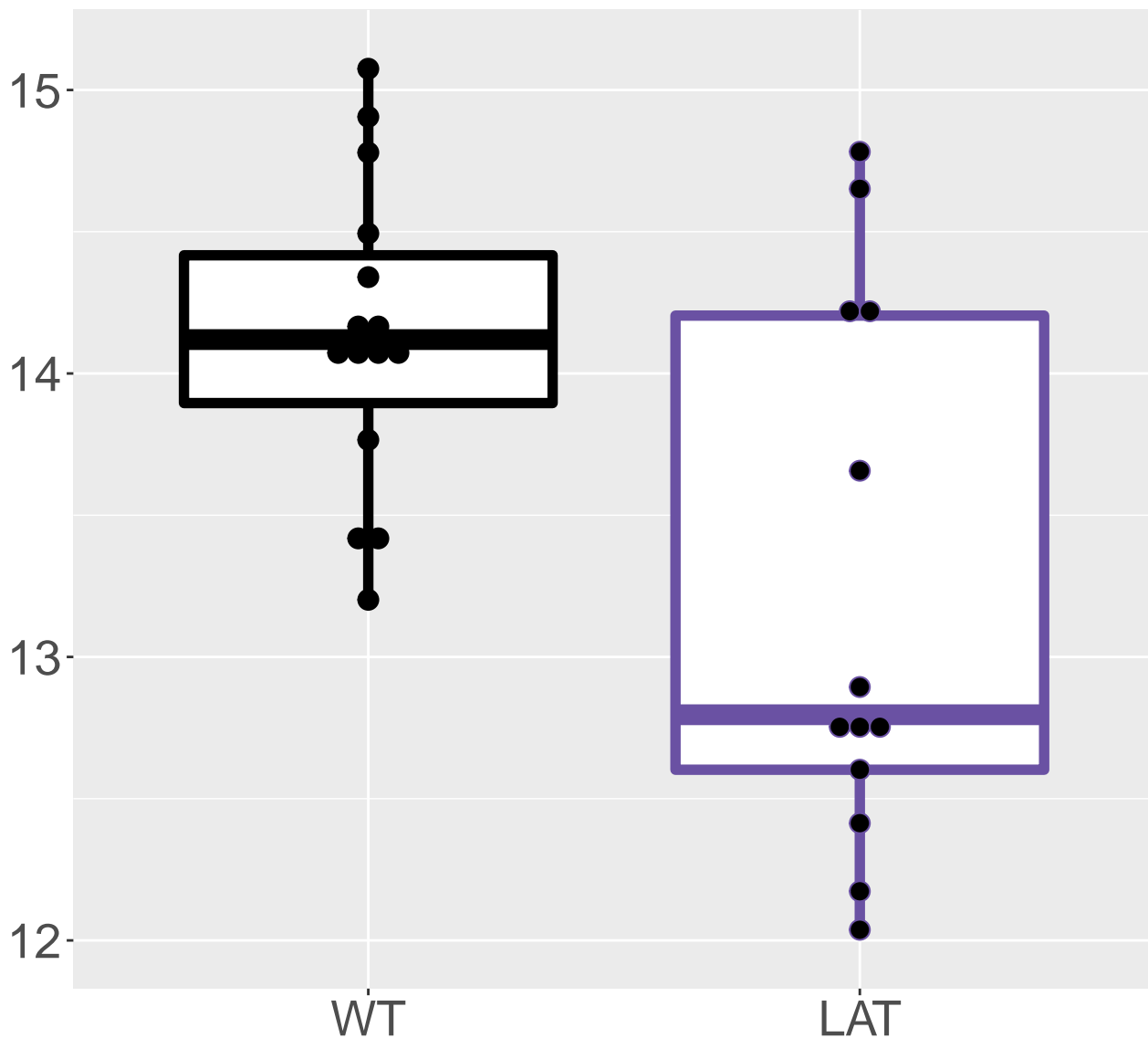


**M606.8276T296.62\_3**  
**FDR = 0.0095, FC = -0.9**

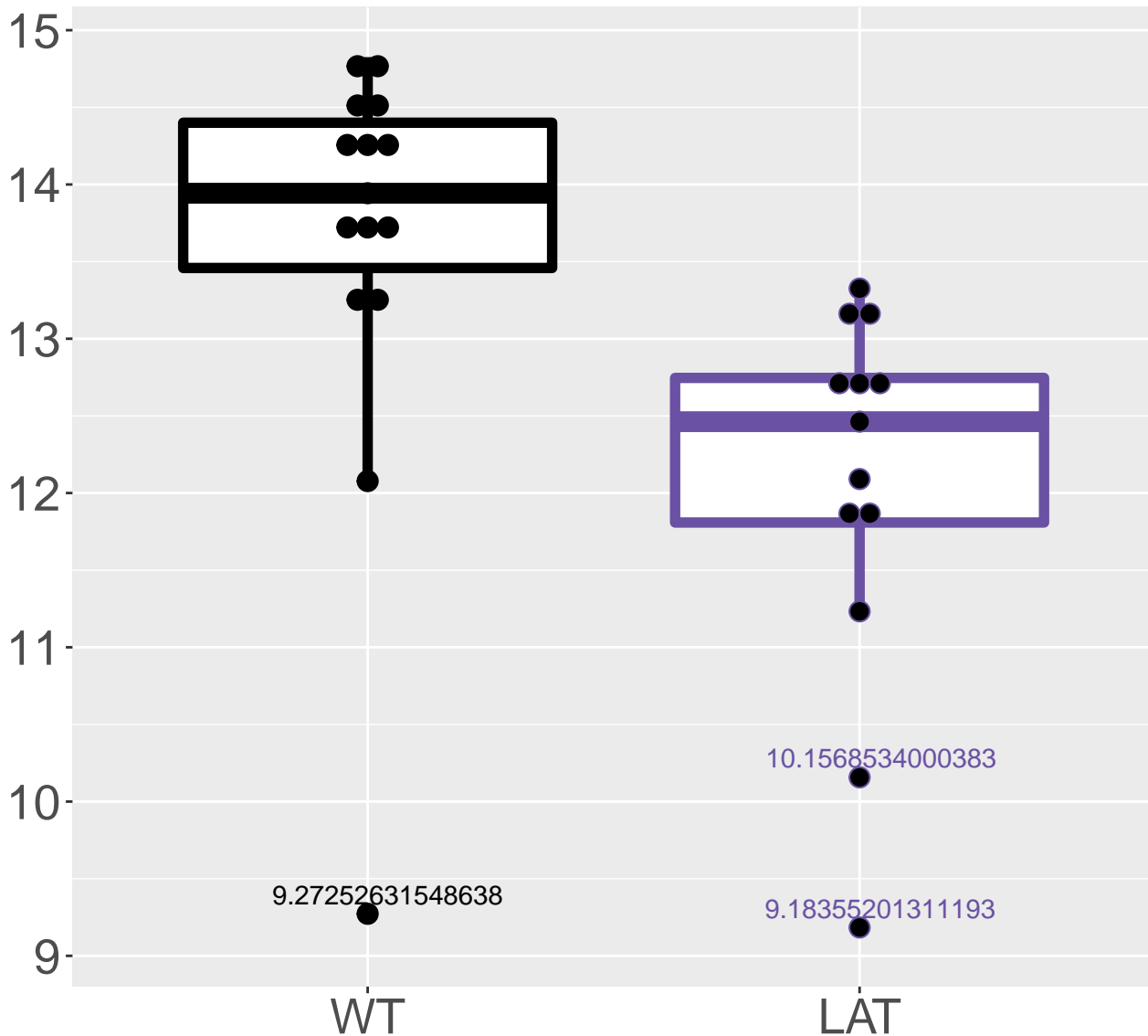


**M605.5266T307.05**

**FDR = 0.0095, FC = -0.9**

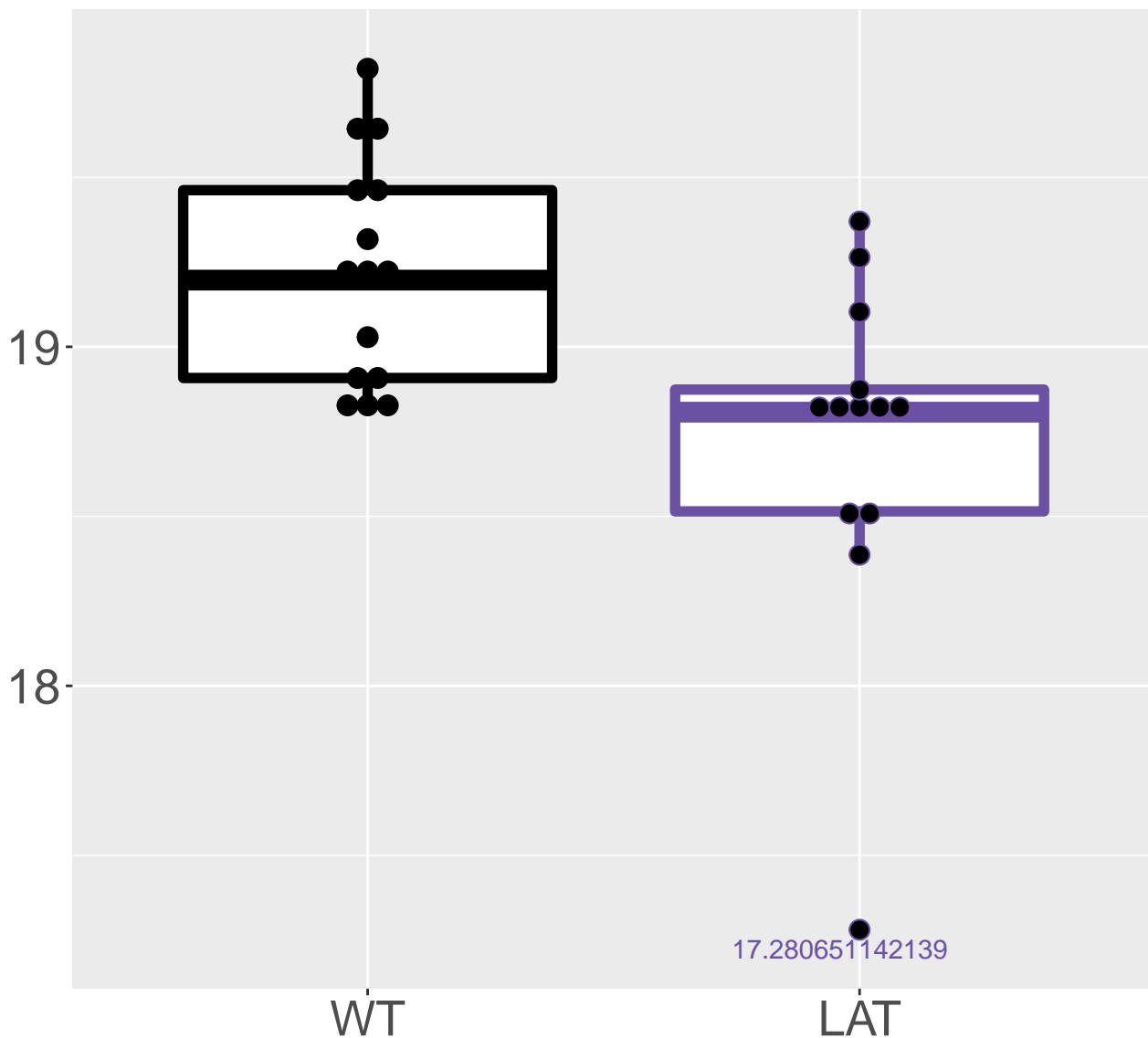


**M267.5062T253.61**  
**FDR = 0.0095, FC = -1.6**

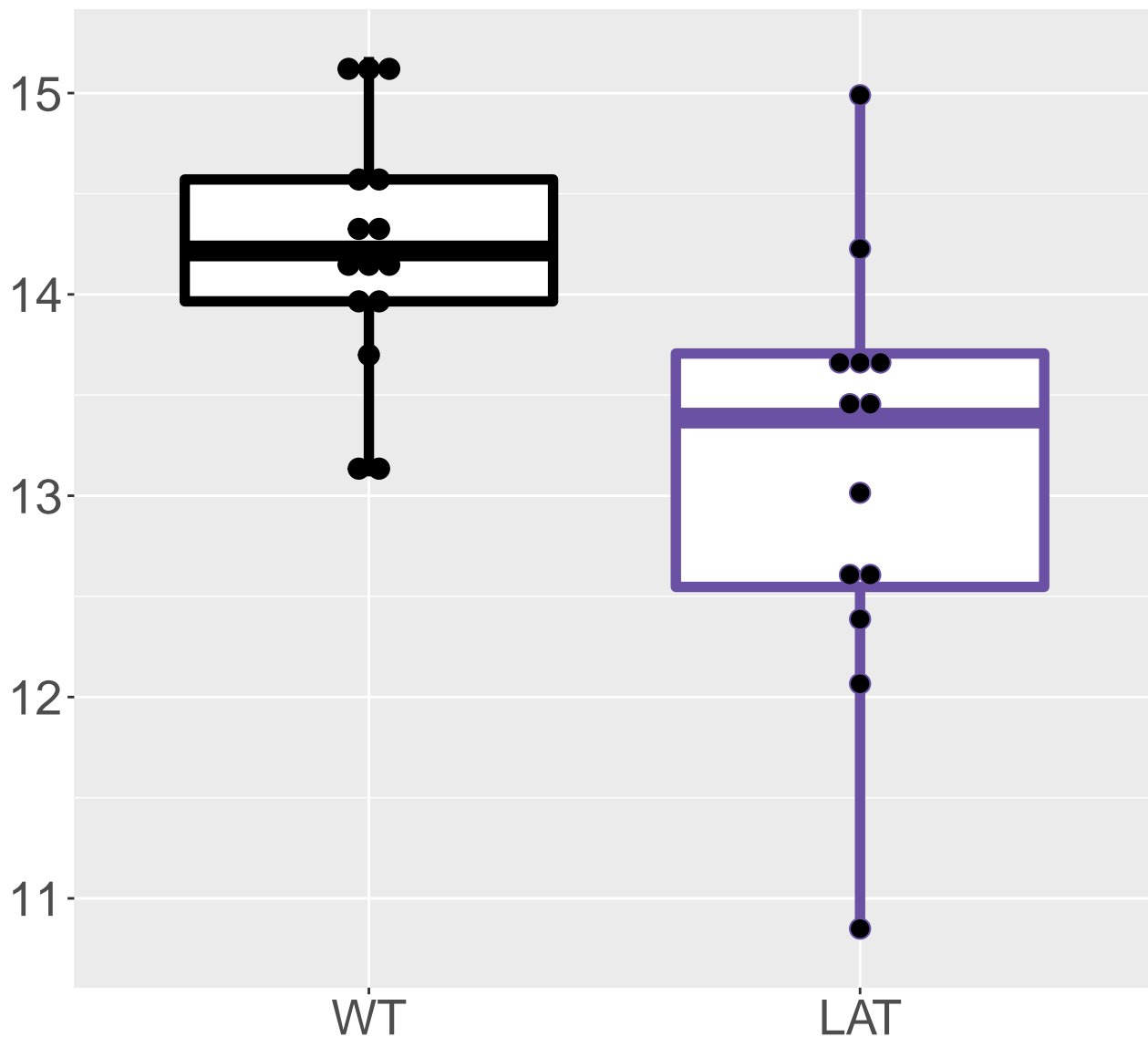


**M660.7762T298.32\_2**

**FDR = 0.0096, FC = -0.5, sex\*\***

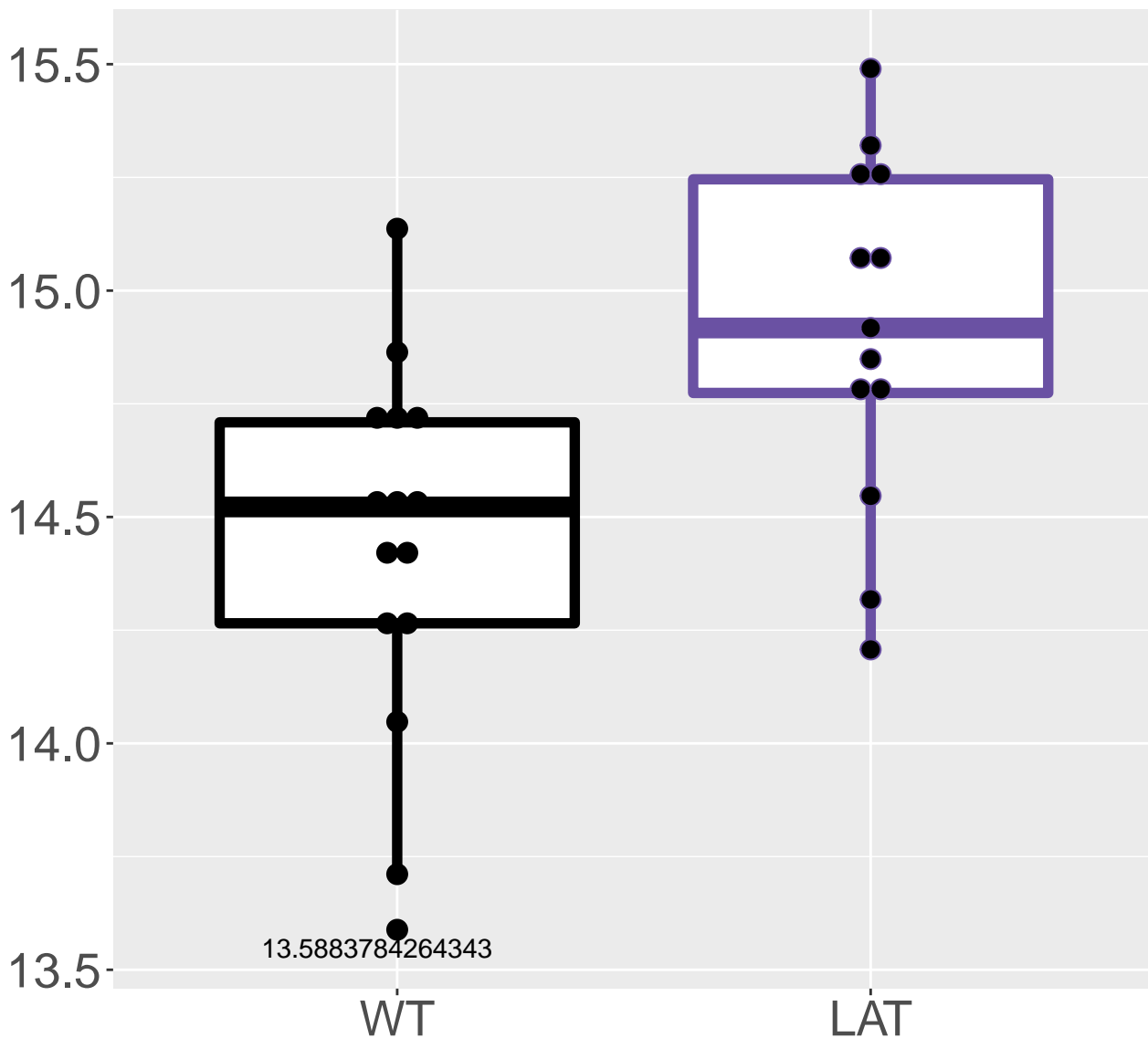


**M585.6148T289.13\_1**  
**FDR = 0.0096, FC = -1.1**



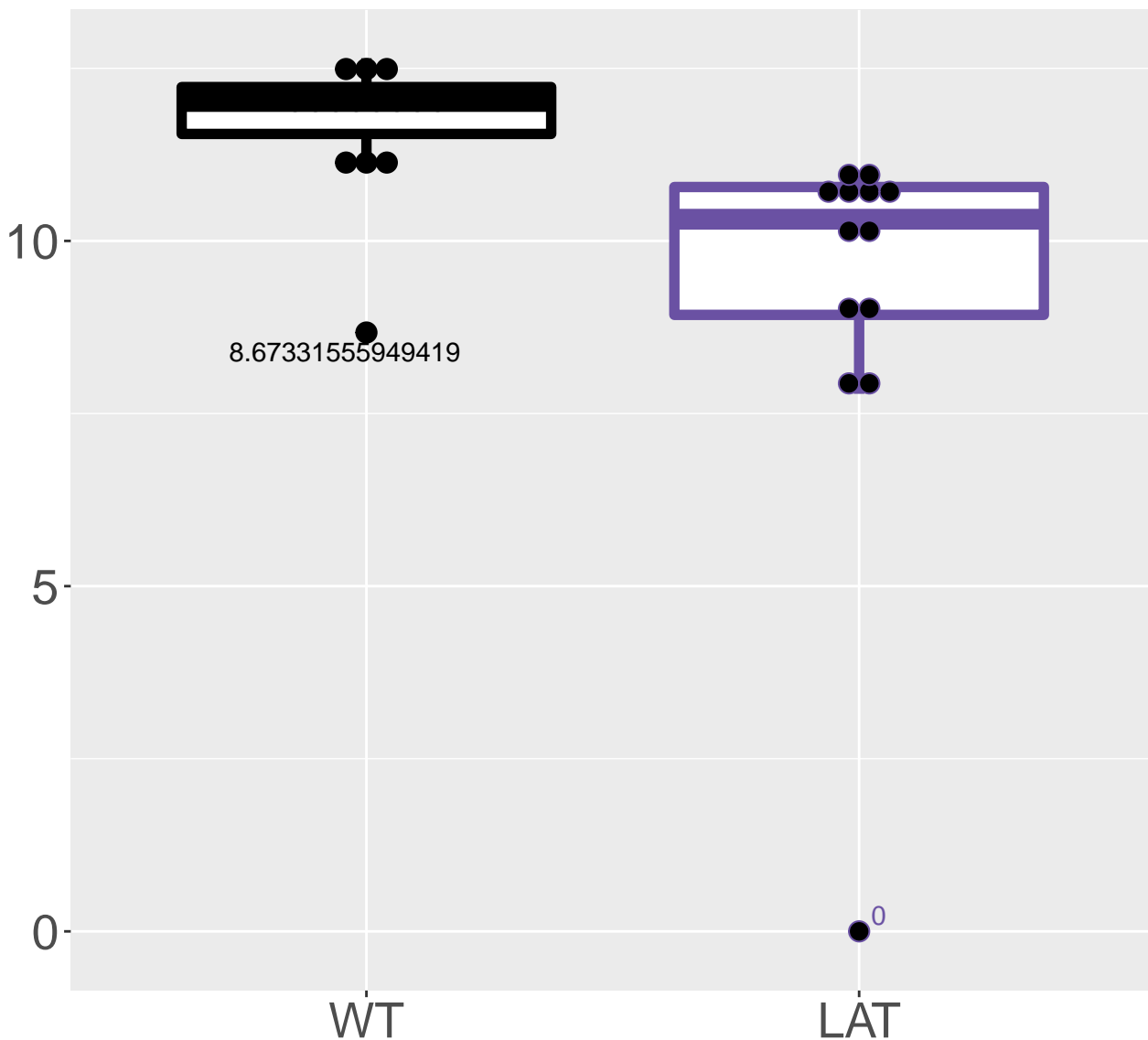


**M619.3439T319.57**  
**FDR = 0.0096, FC = 0.48**



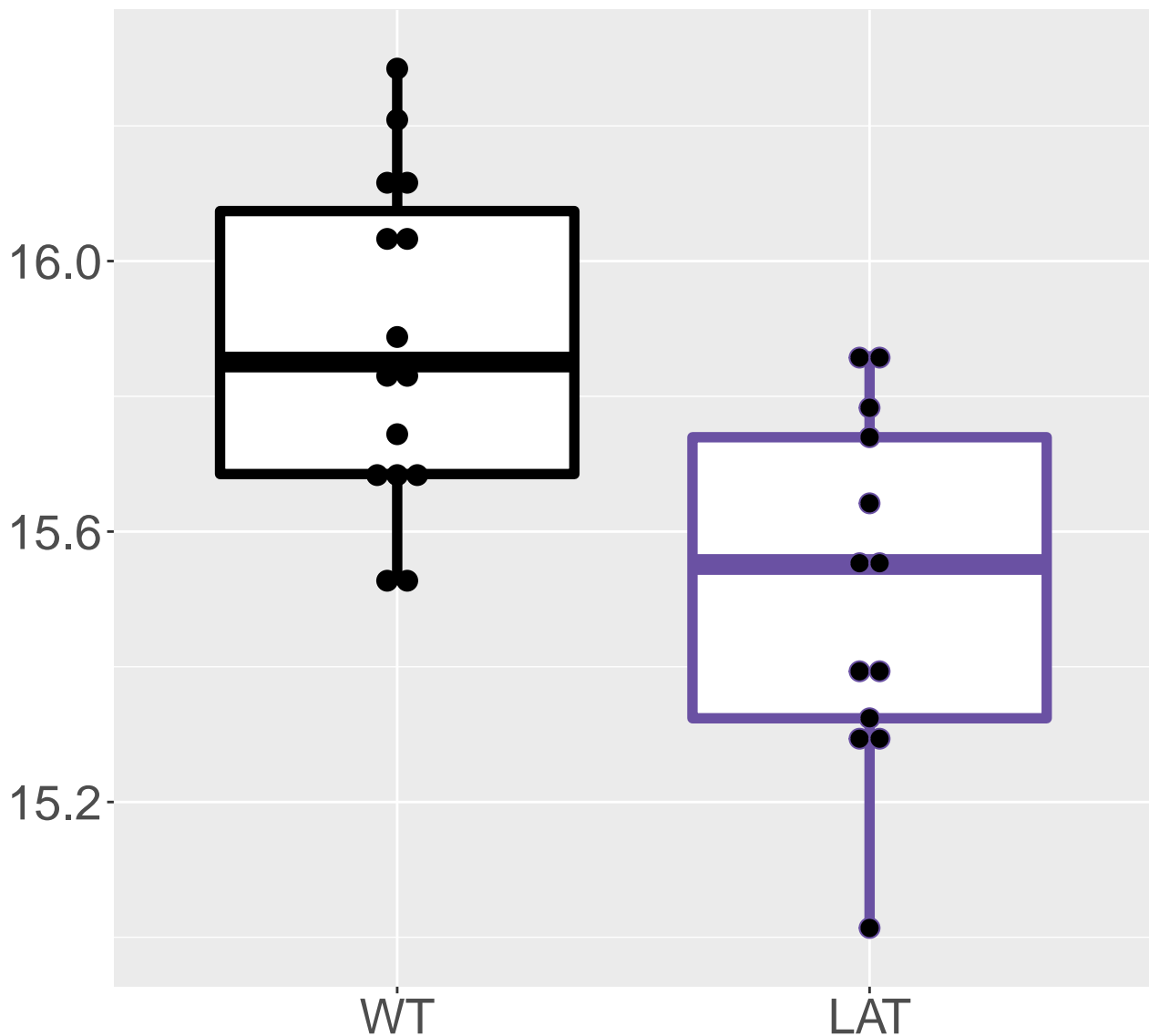
**M675.3089T129.69**

**FDR = 0.0096, FC = -2.6**

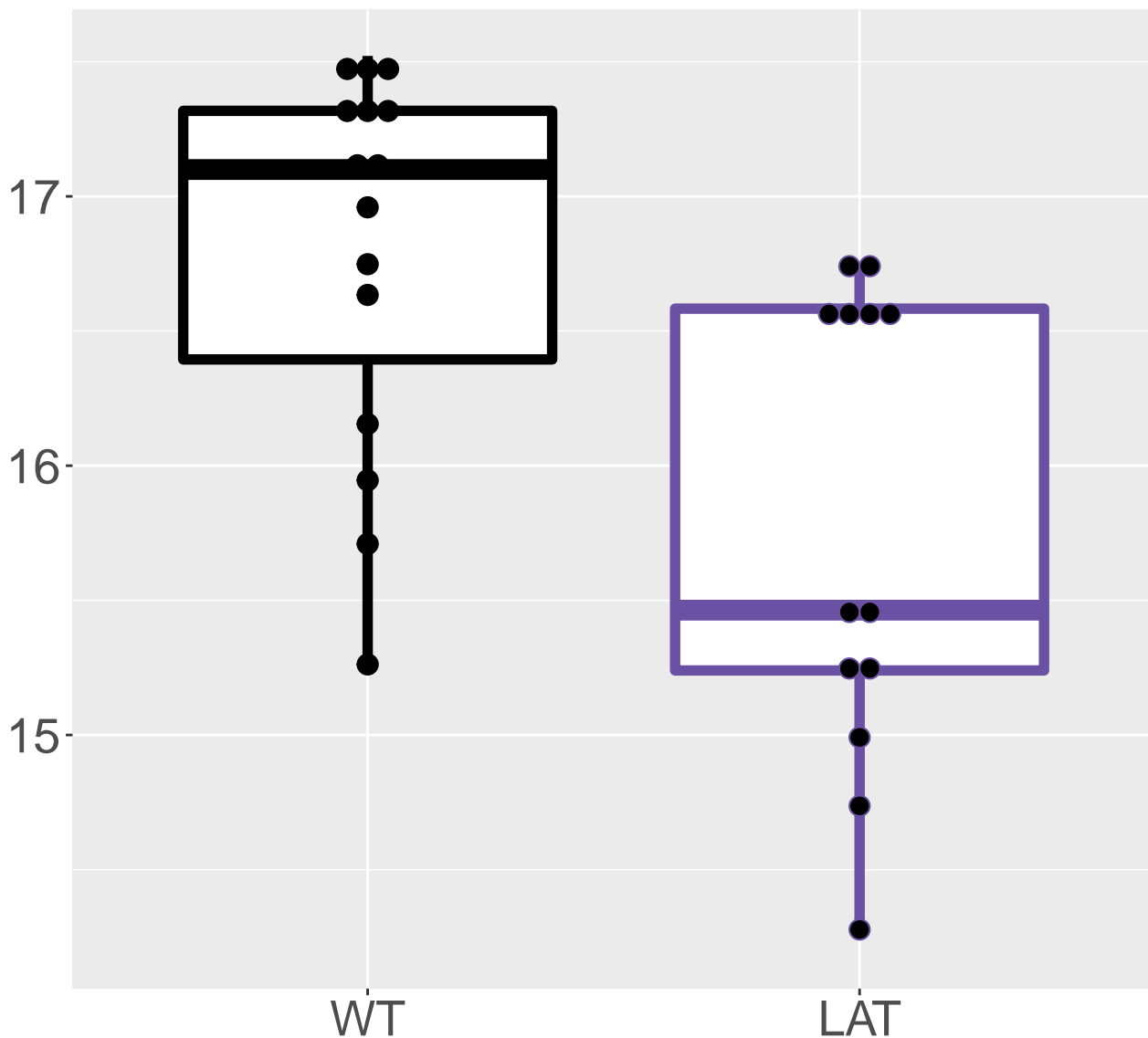


**M261.0236T43.49**

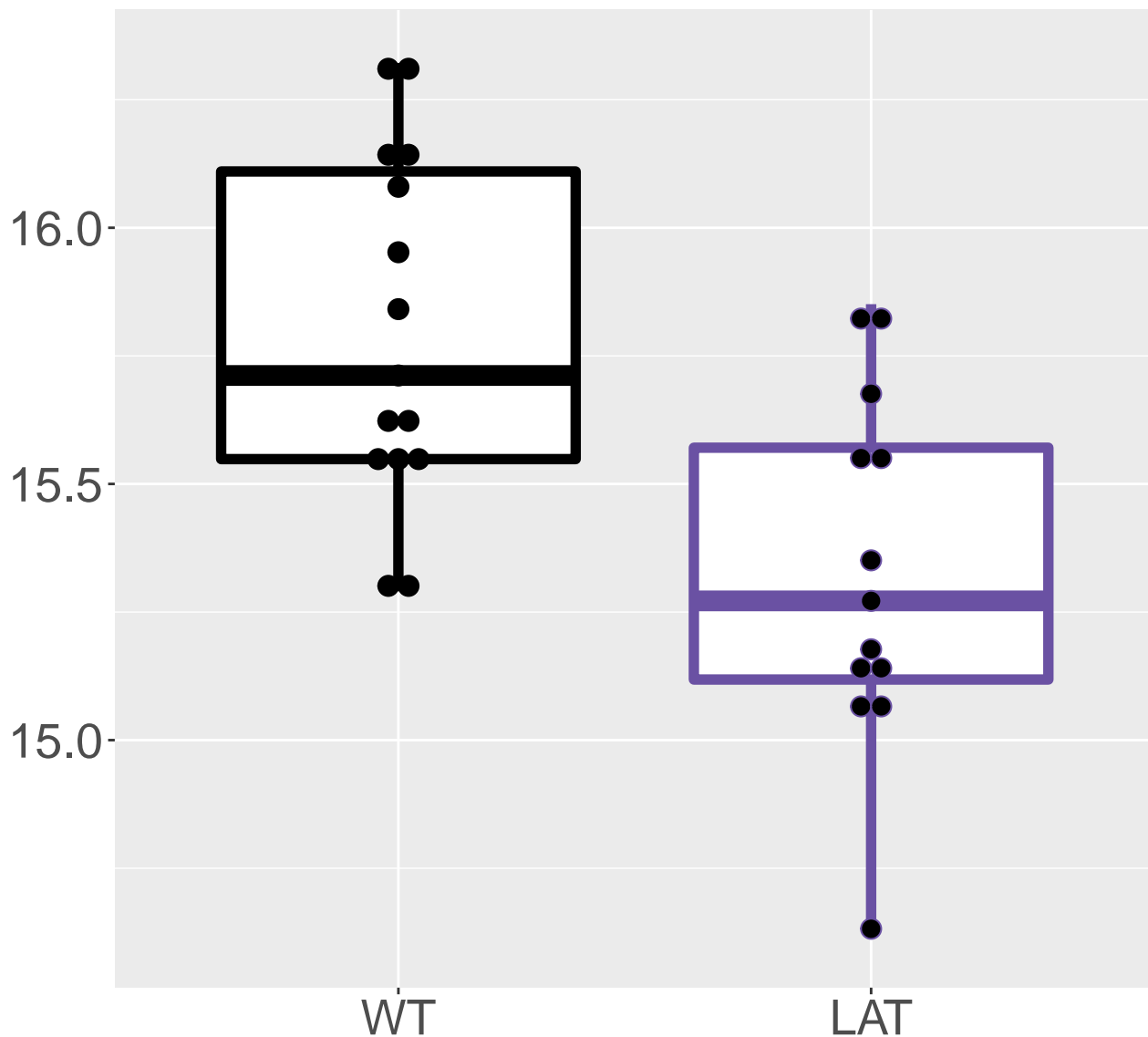
**FDR = 0.0096, FC = -0.36**



**M129.9573T75.48\_25**  
**FDR = 0.0097, FC = -1**

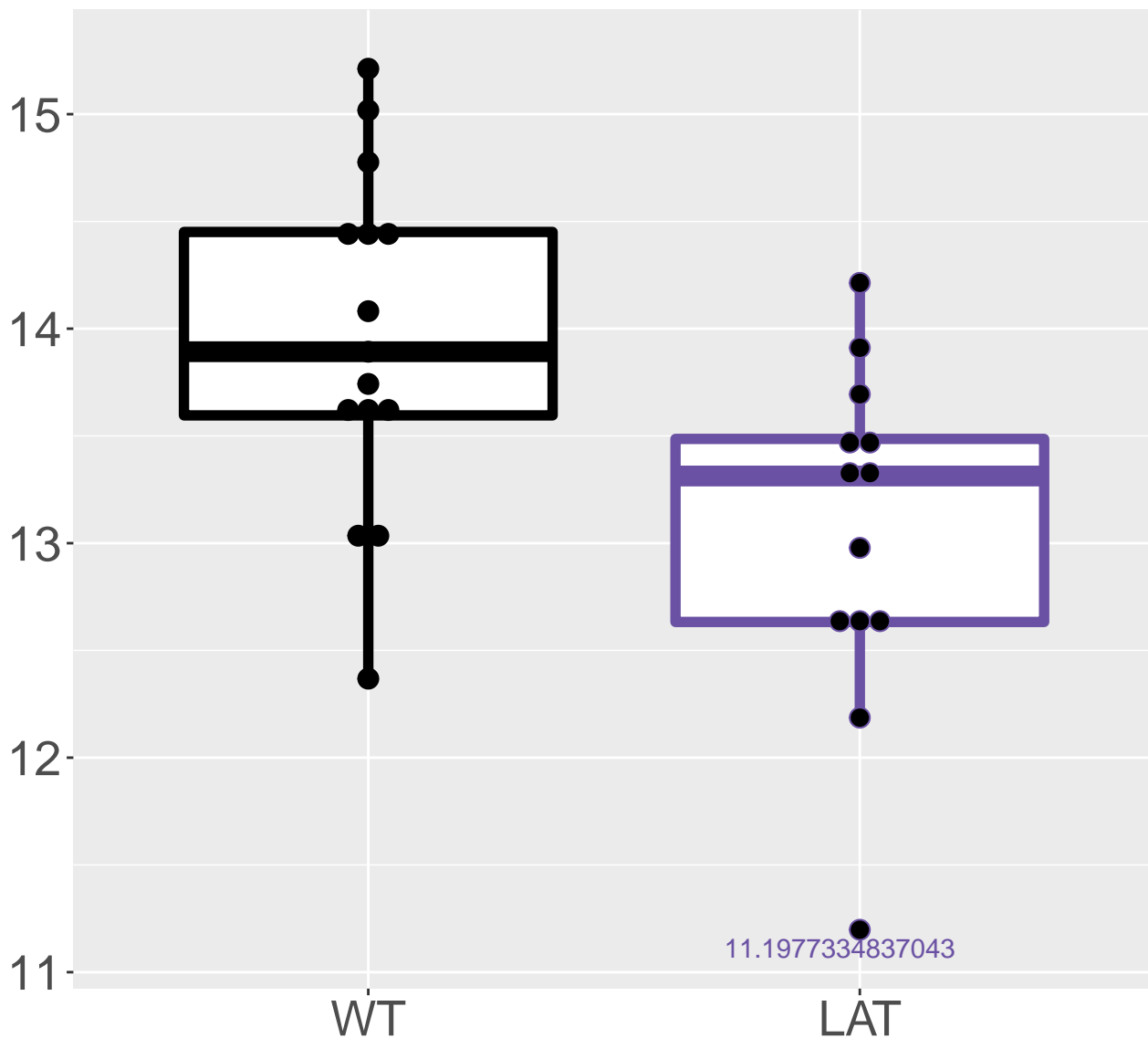


**Allantoic acid**  
**FDR = 0.0097, FC = -0.47**

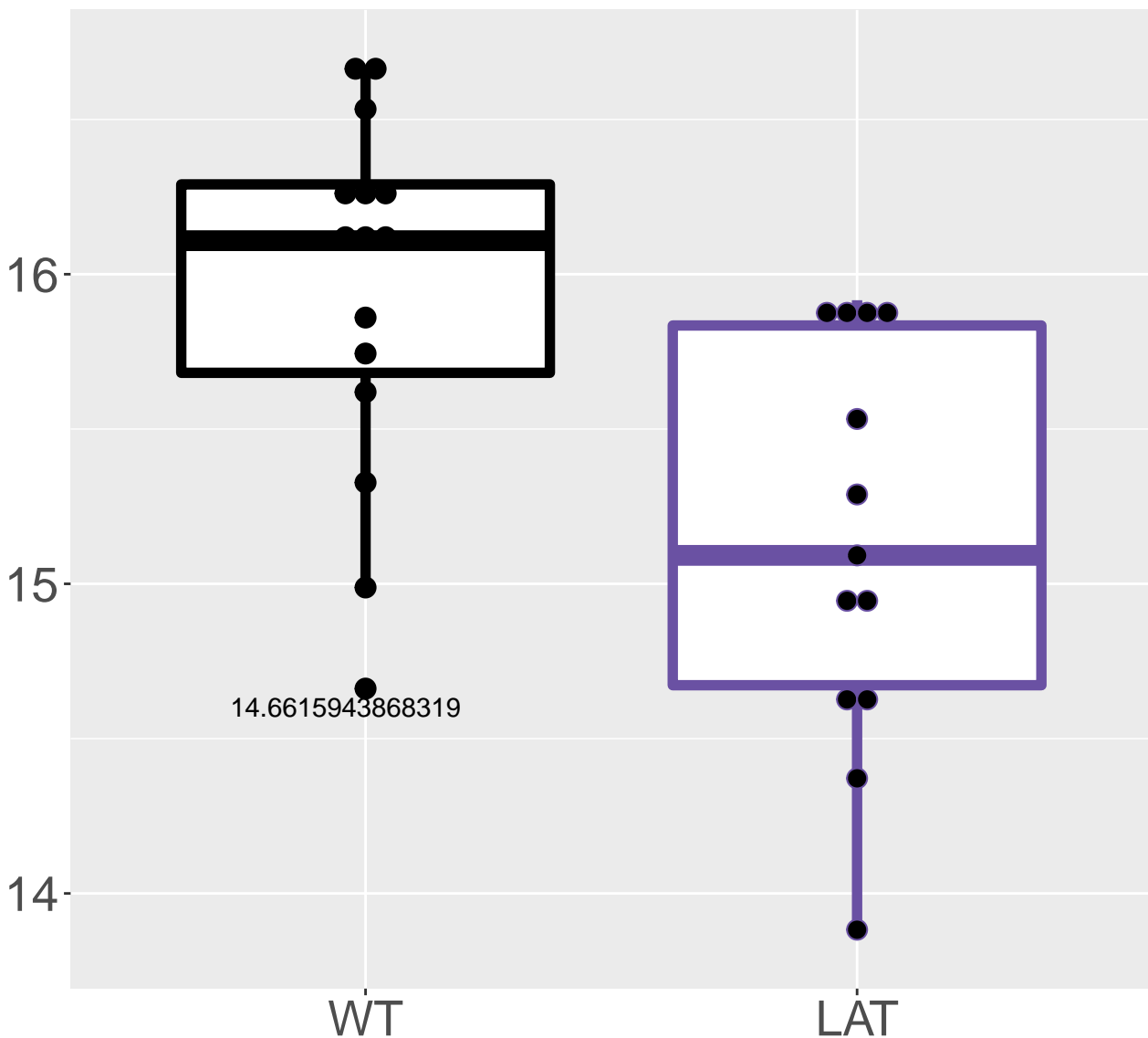


**M482.7614T258.8\_2**

**FDR = 0.0097, FC = -0.9, sex\***

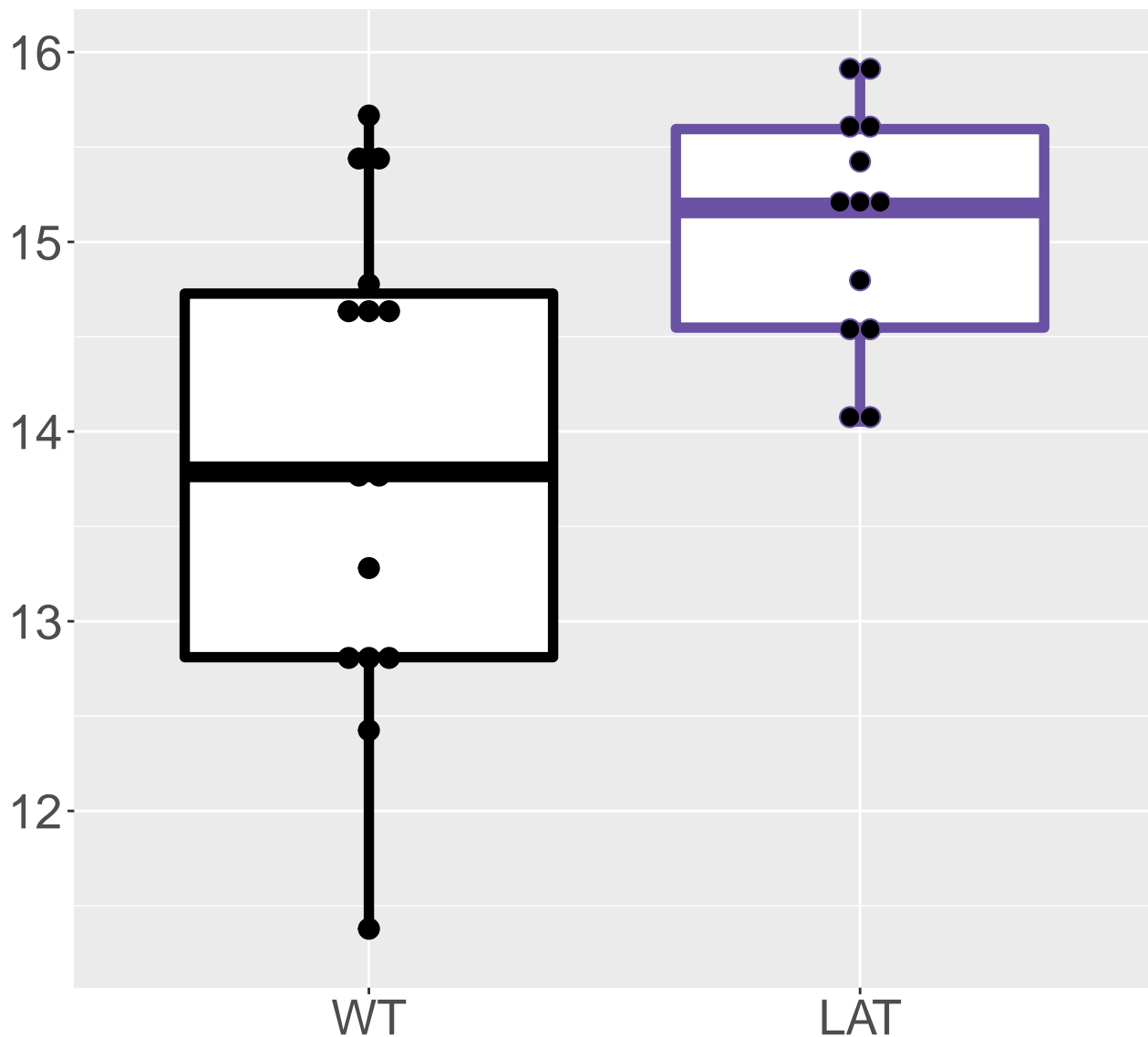


**M161.6183T113.13\_6**  
**FDR = 0.0097, FC = -0.81**



**M593.0653T236.54**

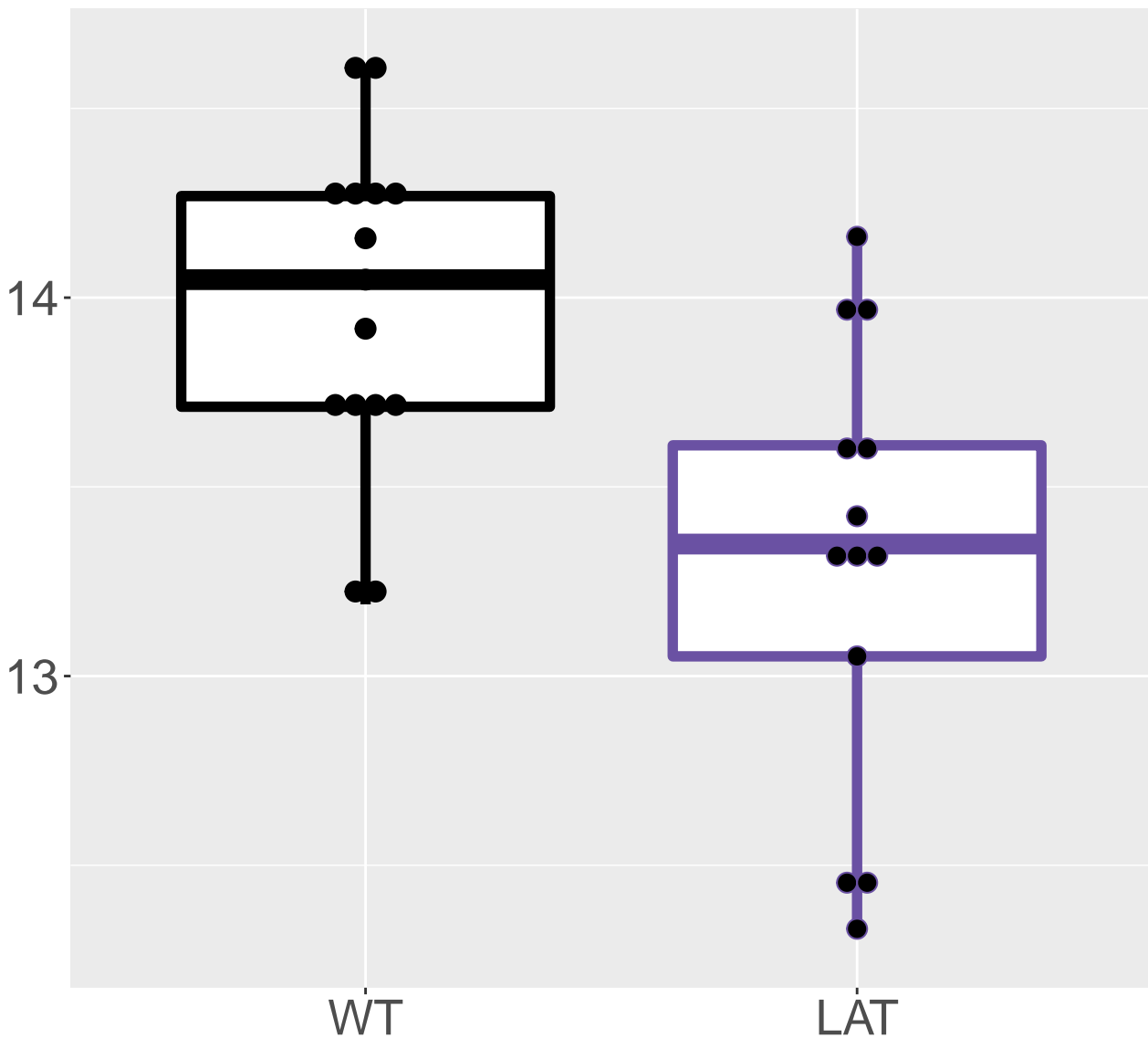
**FDR = 0.0097, FC = 1.2**





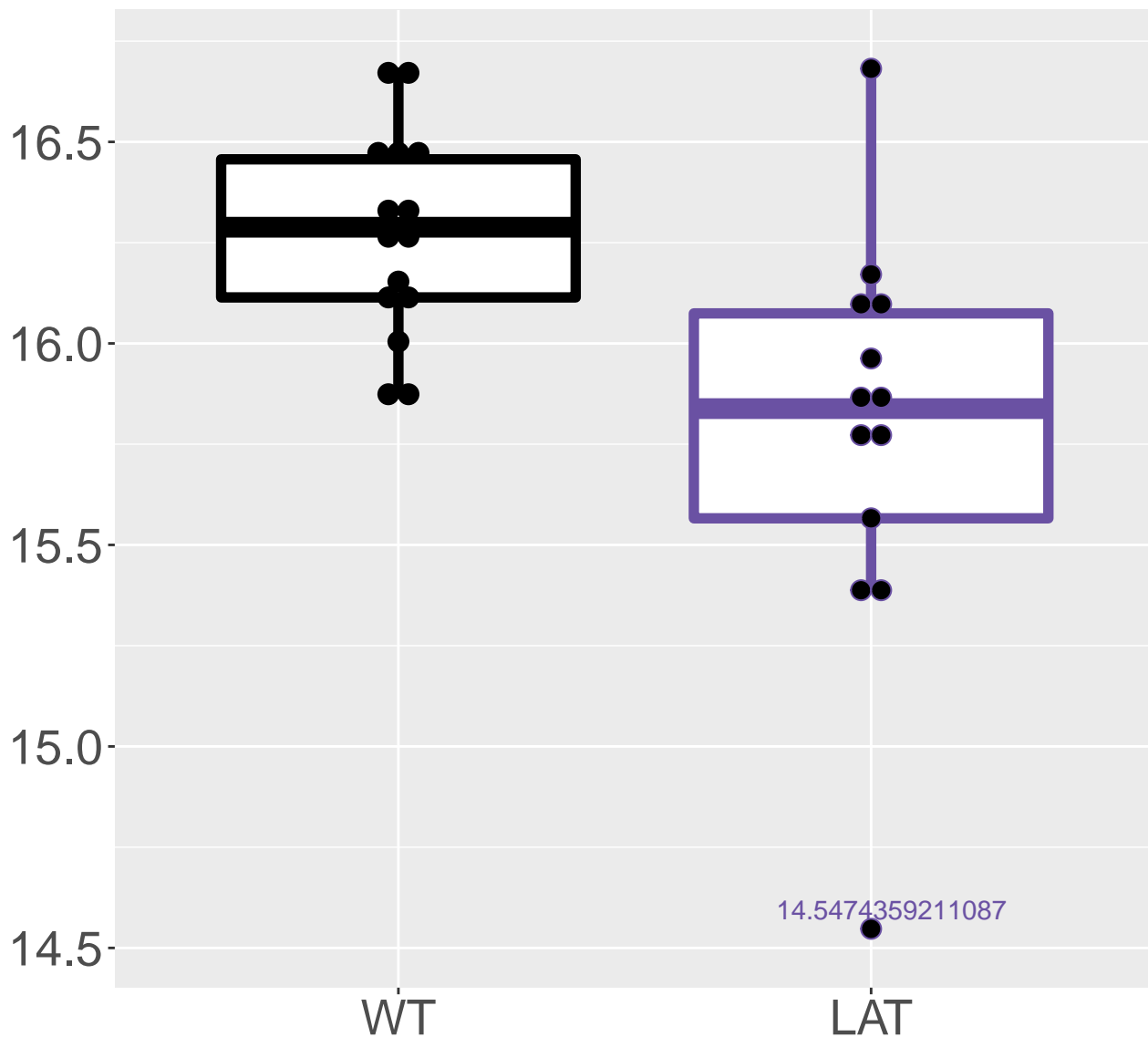
**M308.4359T275.38\_2**

**FDR = 0.0098, FC = -0.67**



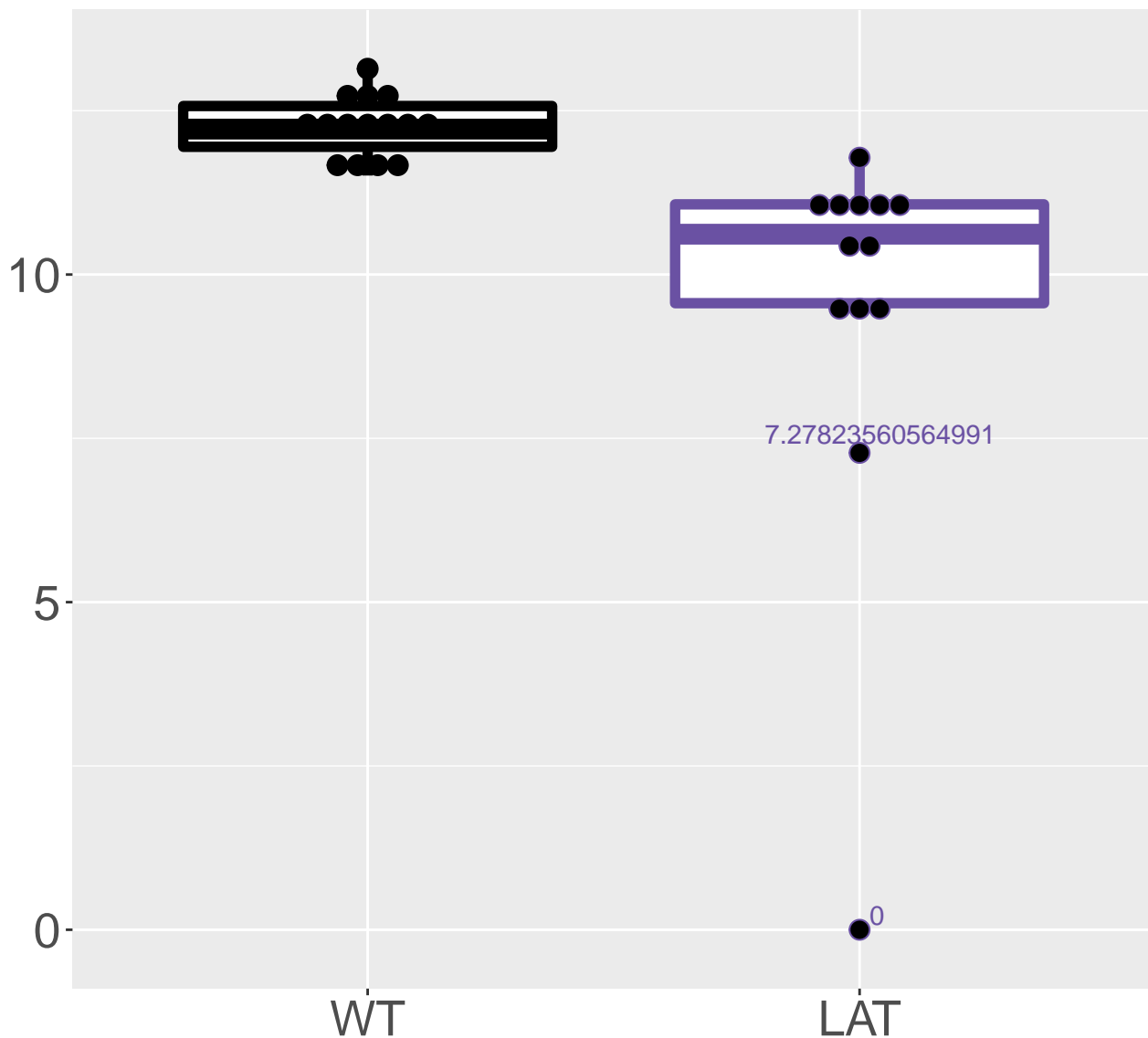
**M449.0689T45.69**

**FDR = 0.0098, FC = -0.49**



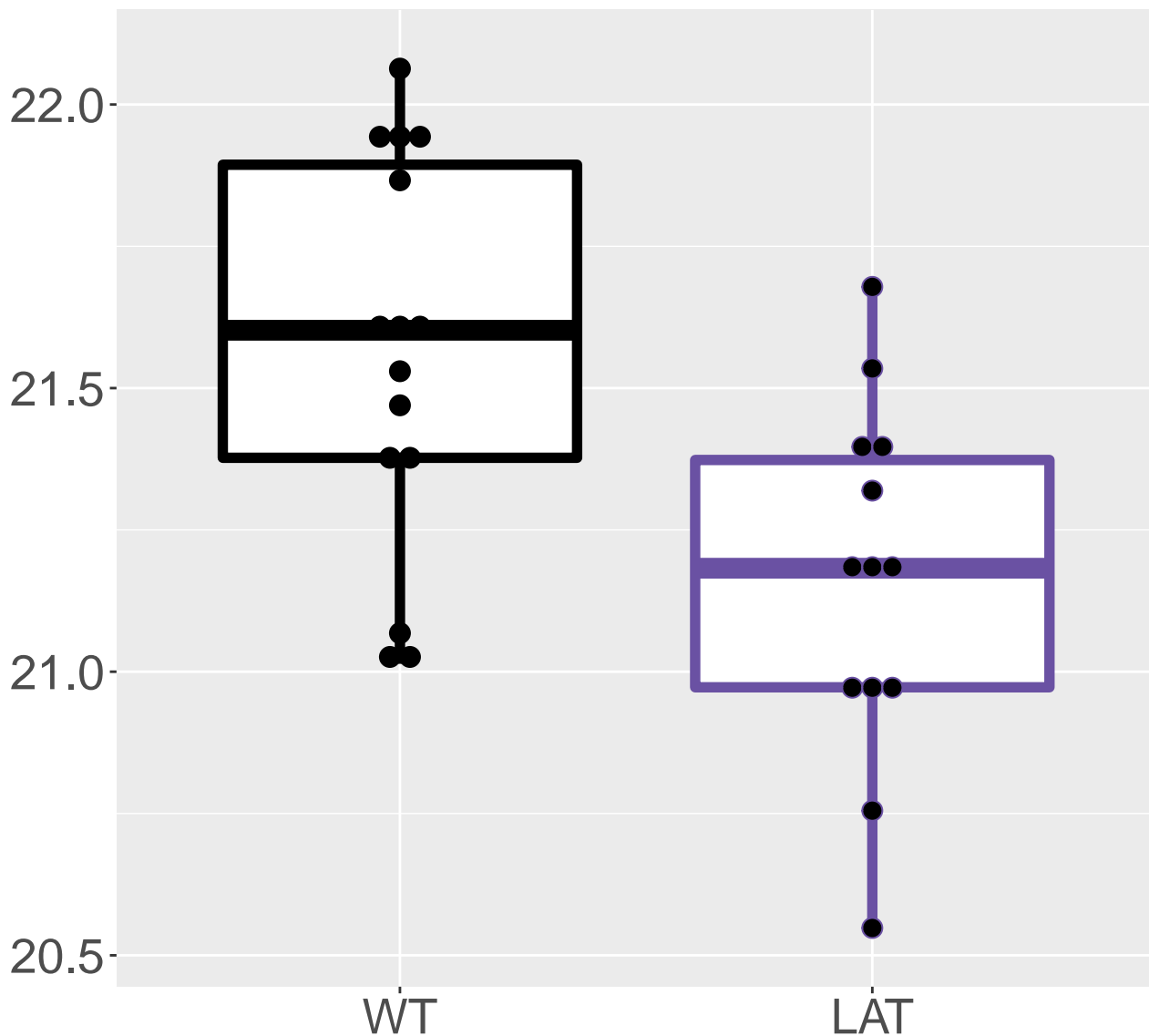
**M314.8331T192.98**

**FDR = 0.0098, FC = -2.7**



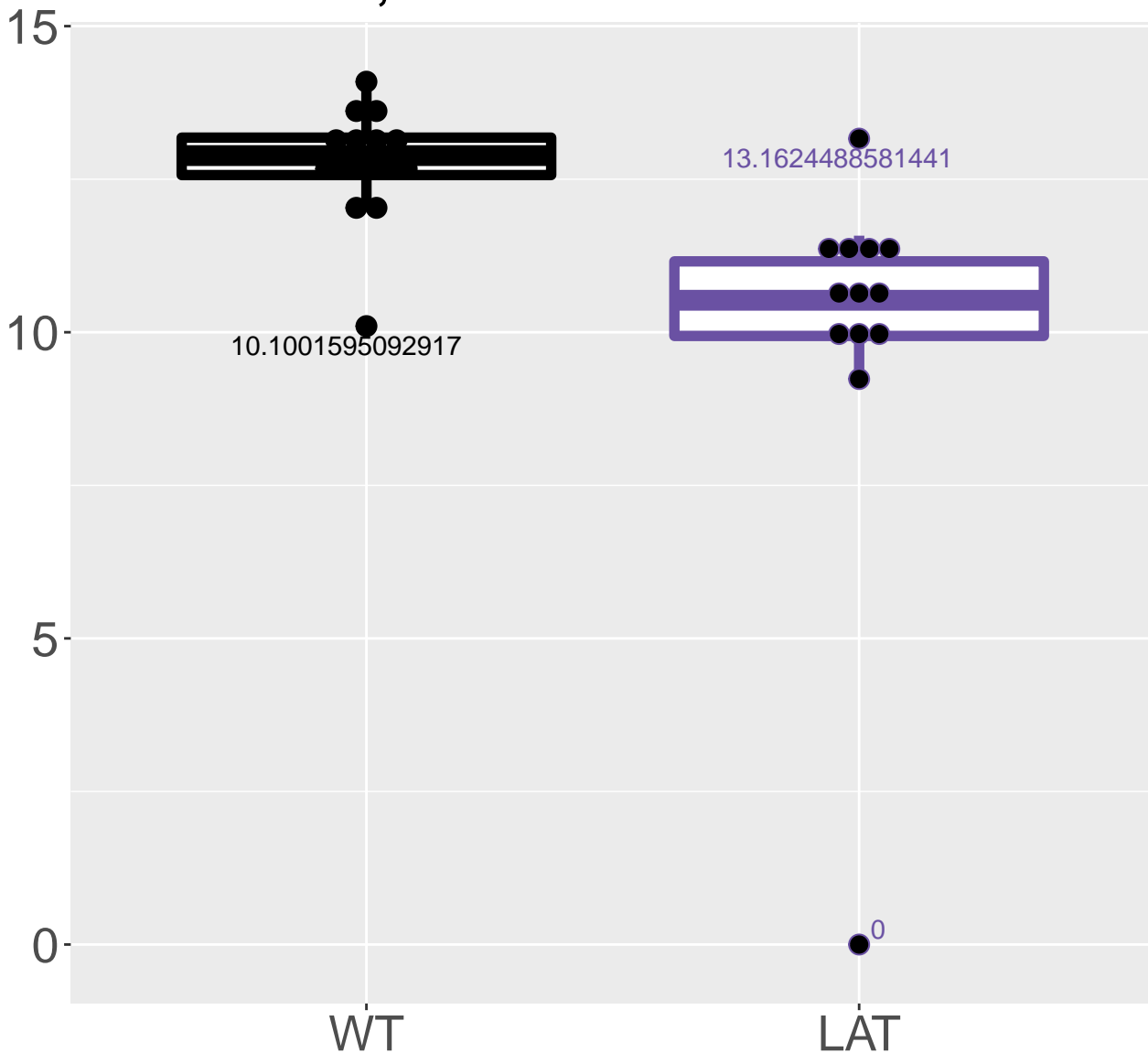
**M365.1071T47.49**

**FDR = 0.0098, FC = -0.4**



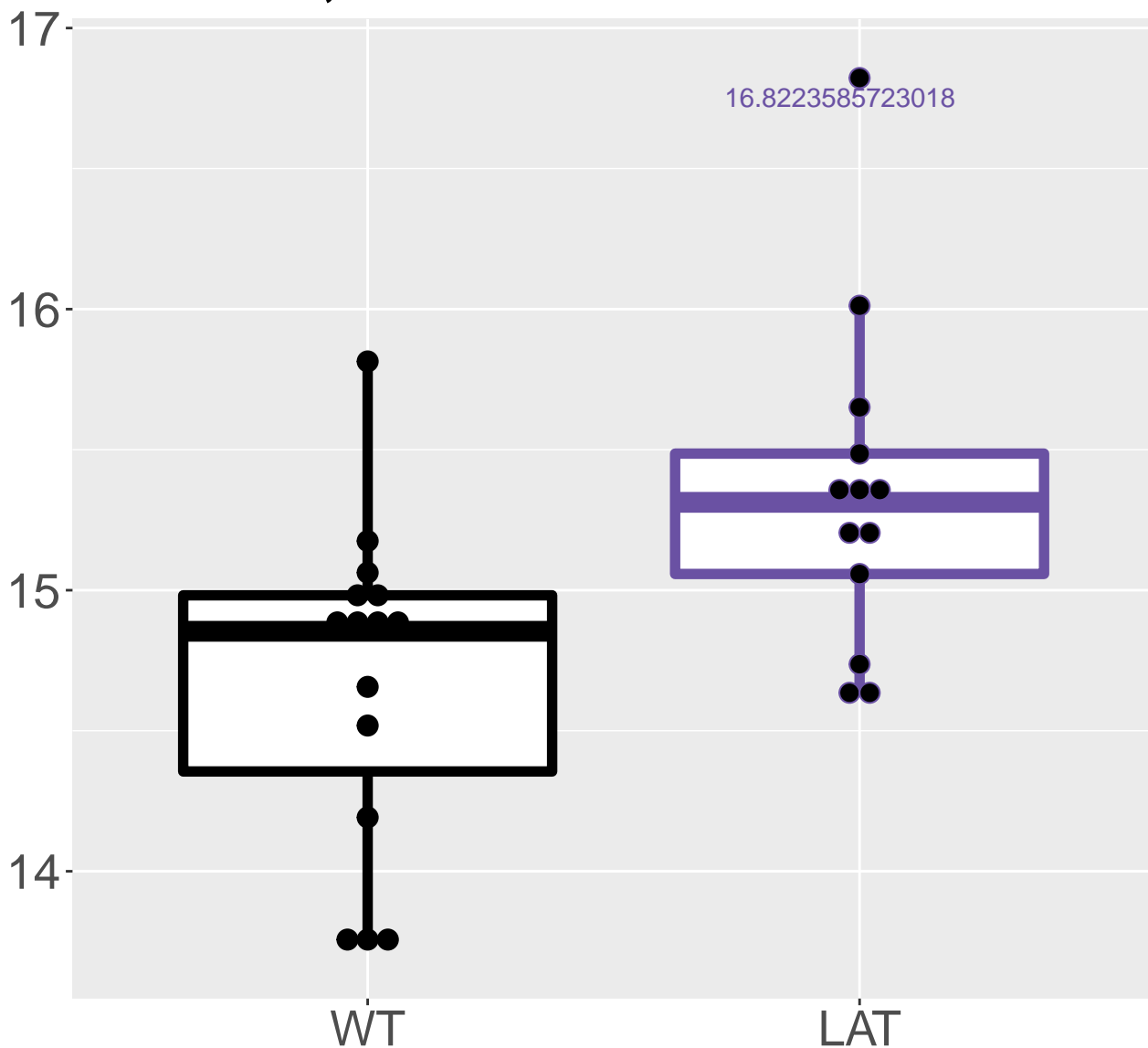
**M749.7938T360.83**

**FDR = 0.0098, FC = -2.8**



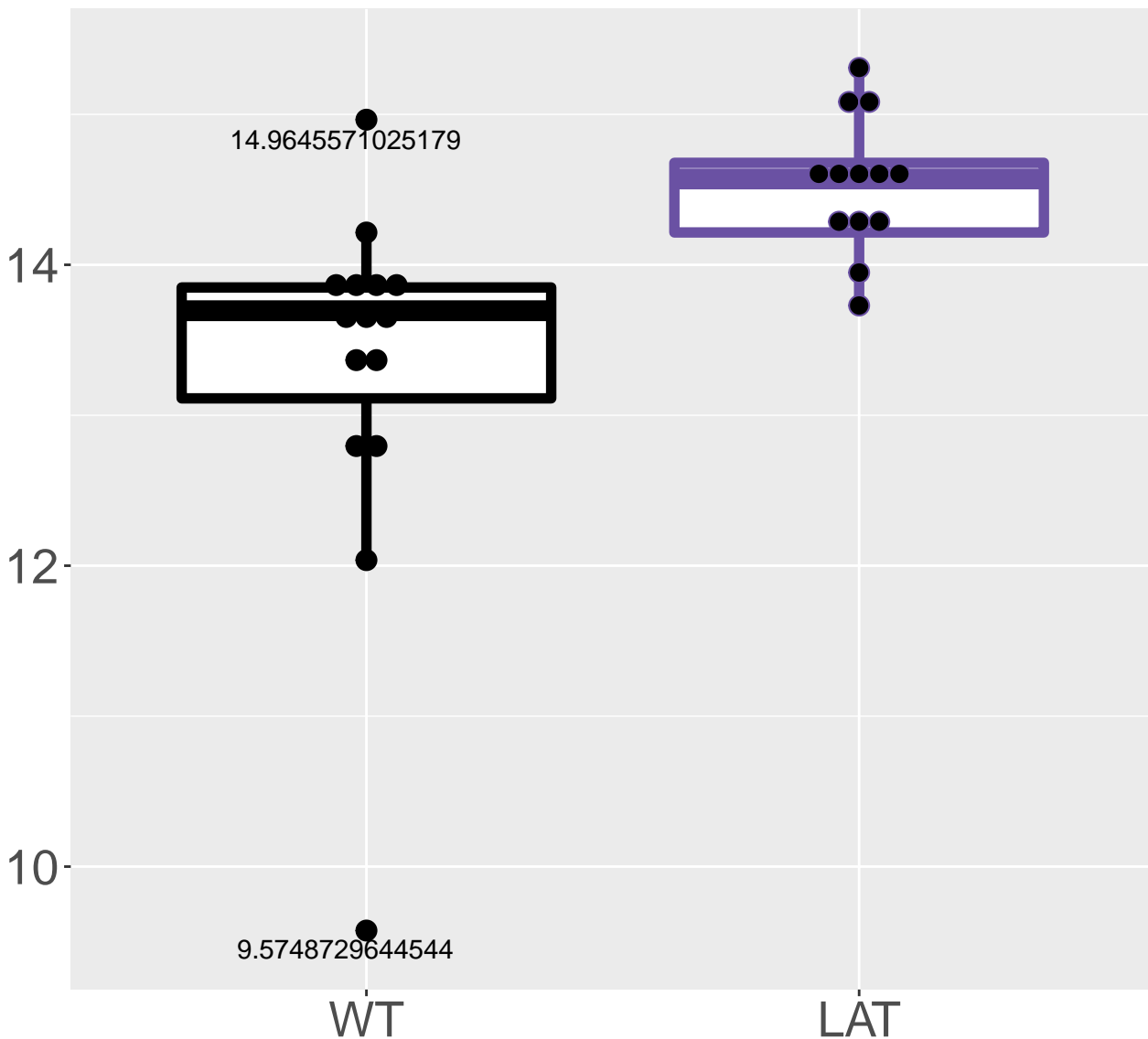
**M558.2478T452.56**

**FDR = 0.01, FC = 0.67**



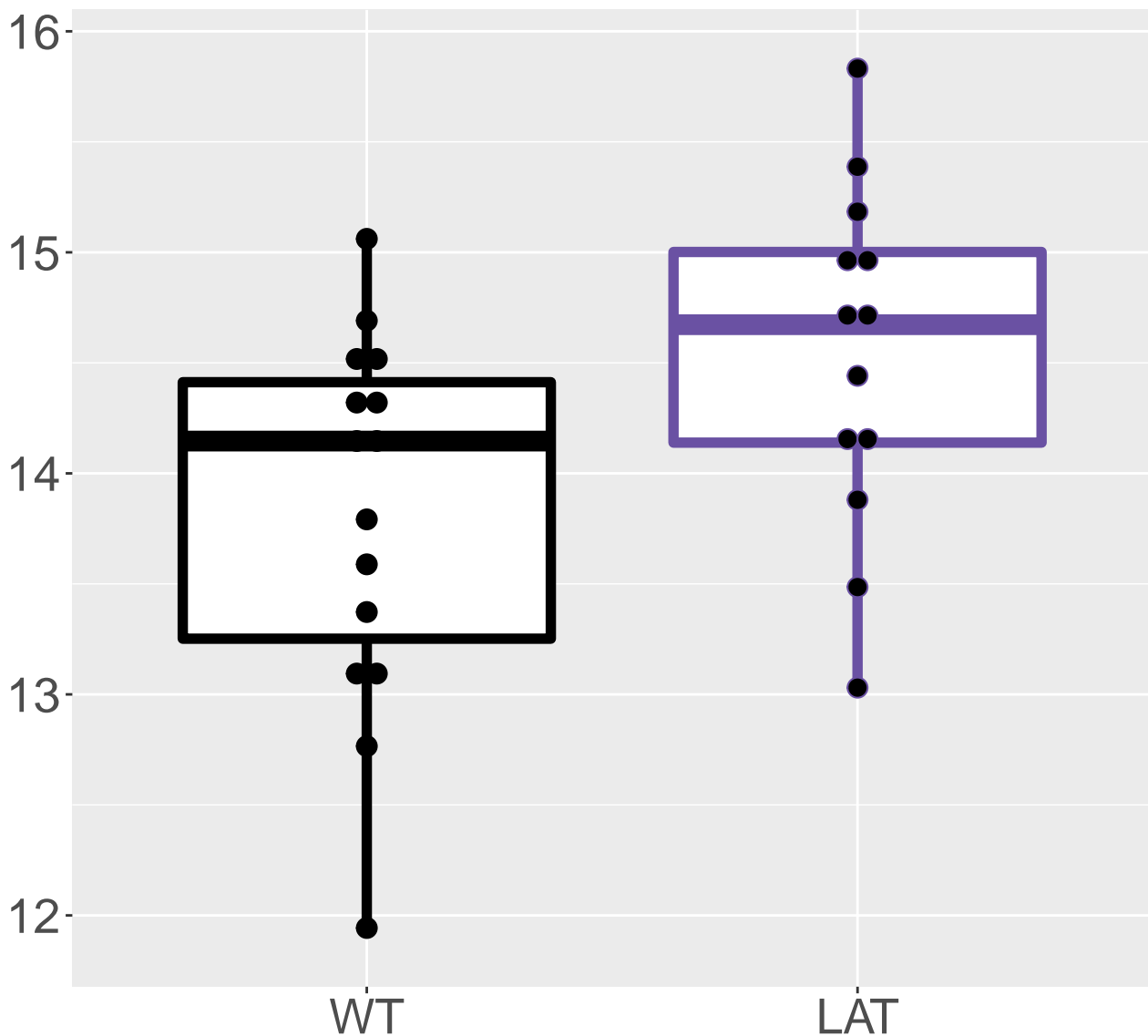
**M543.2892T127.02**

**FDR = 0.01, FC = 1.2**



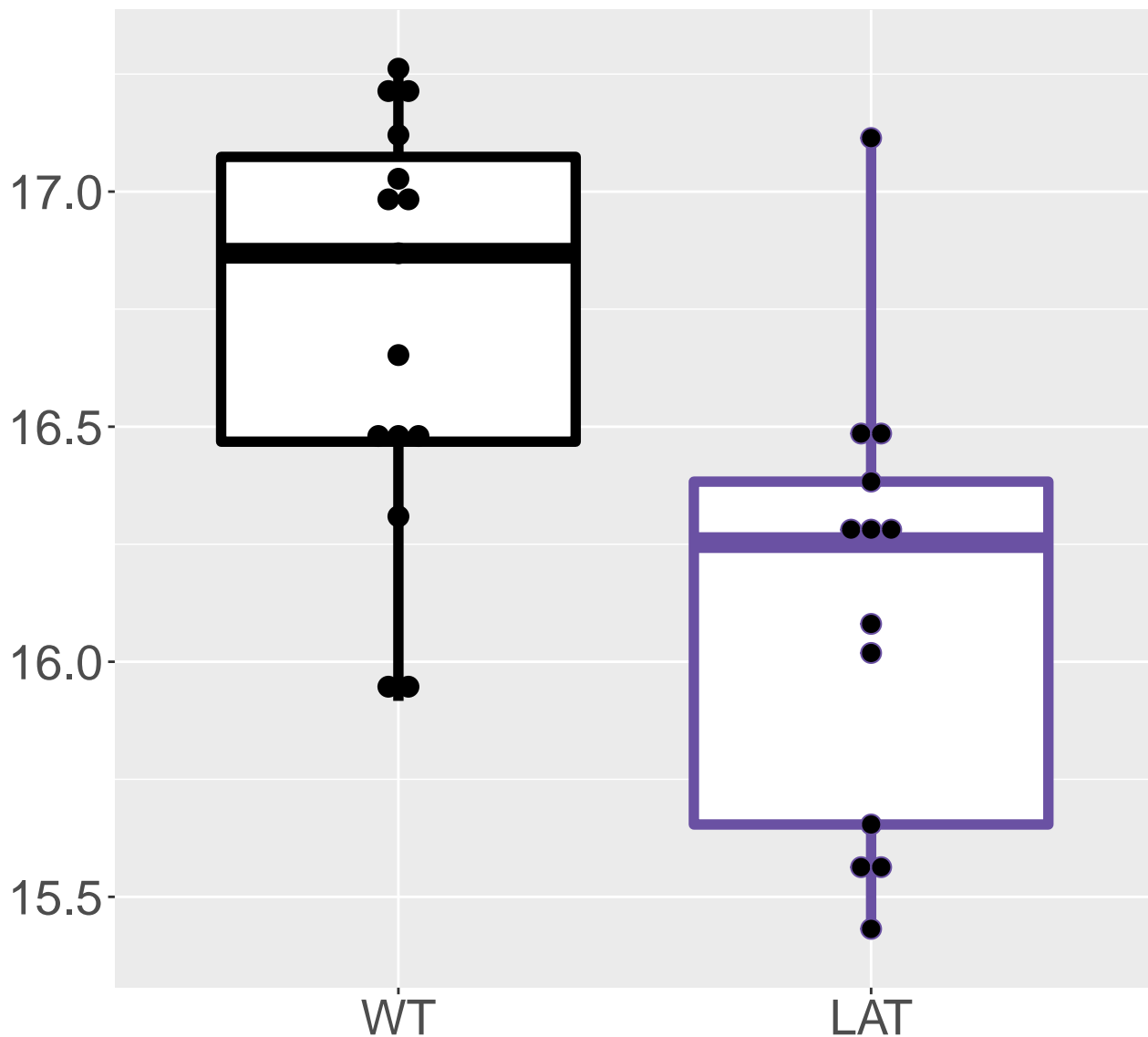
**M566.3118T375.74\_3**

**FDR = 0.01, FC = 0.71, sex\*\***

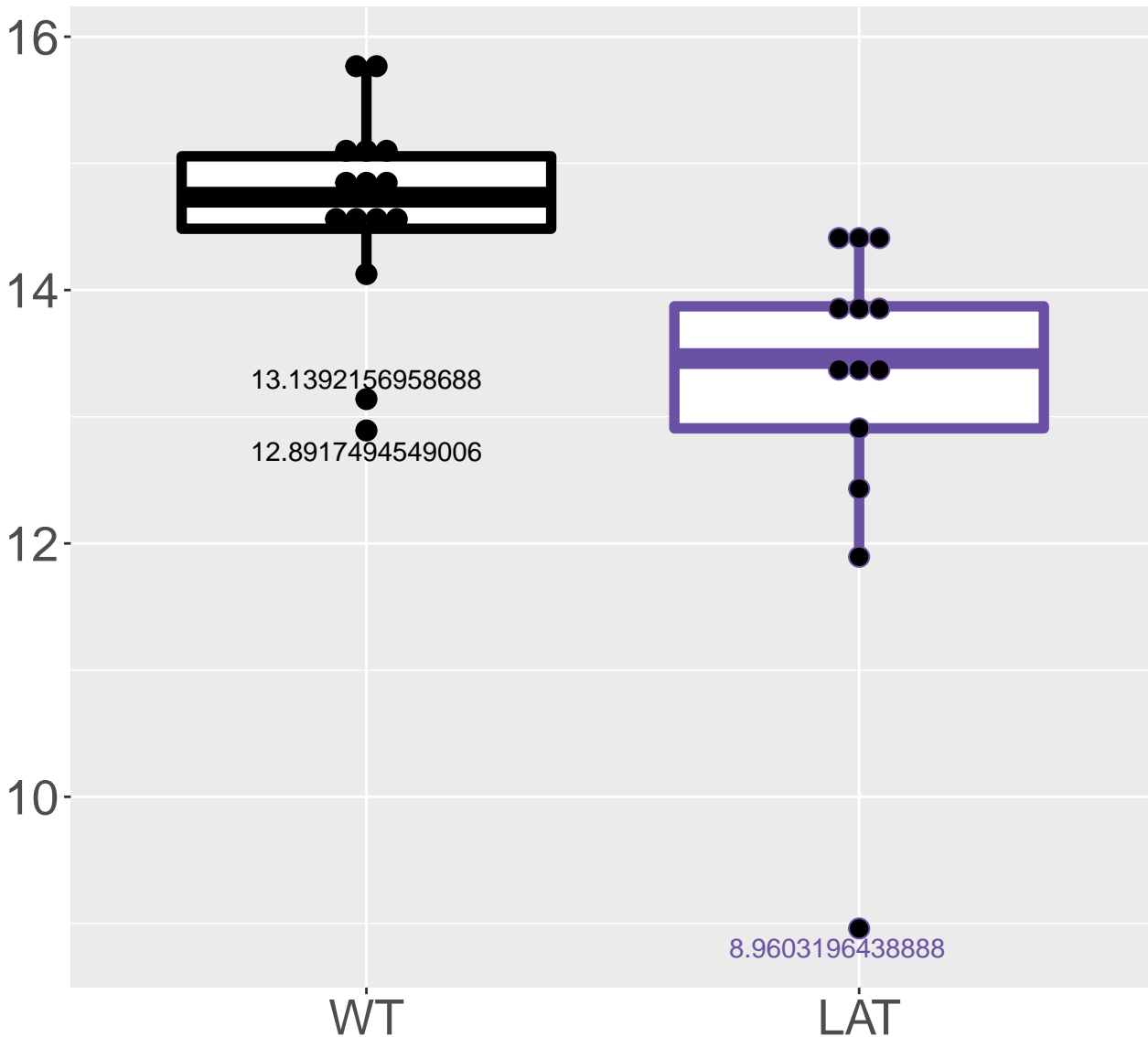




**M86.0606T47.85**  
**FDR = 0.01, FC = -0.61**

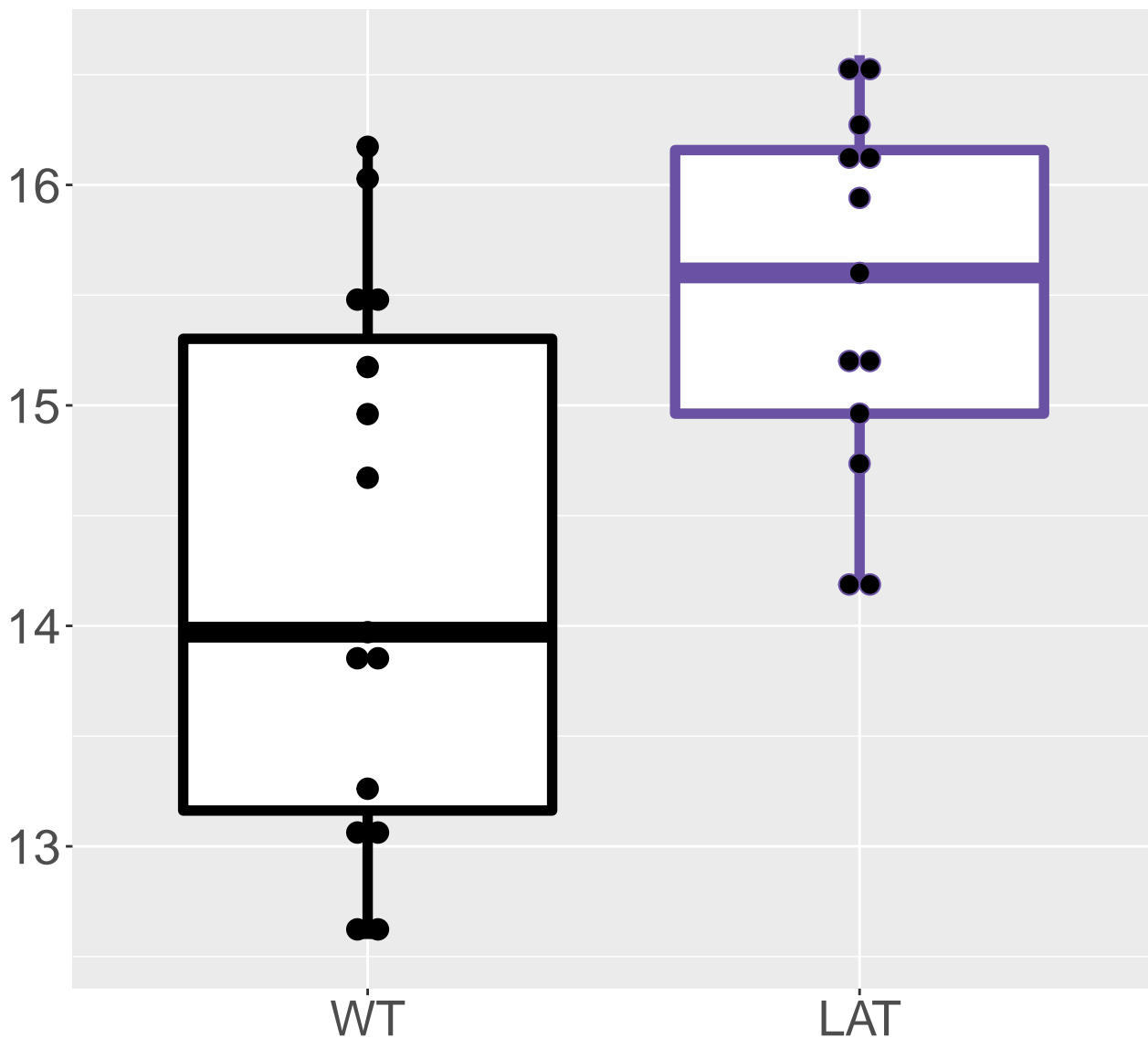


**M279.4244T243.19**  
**FDR = 0.01, FC = -1.5**



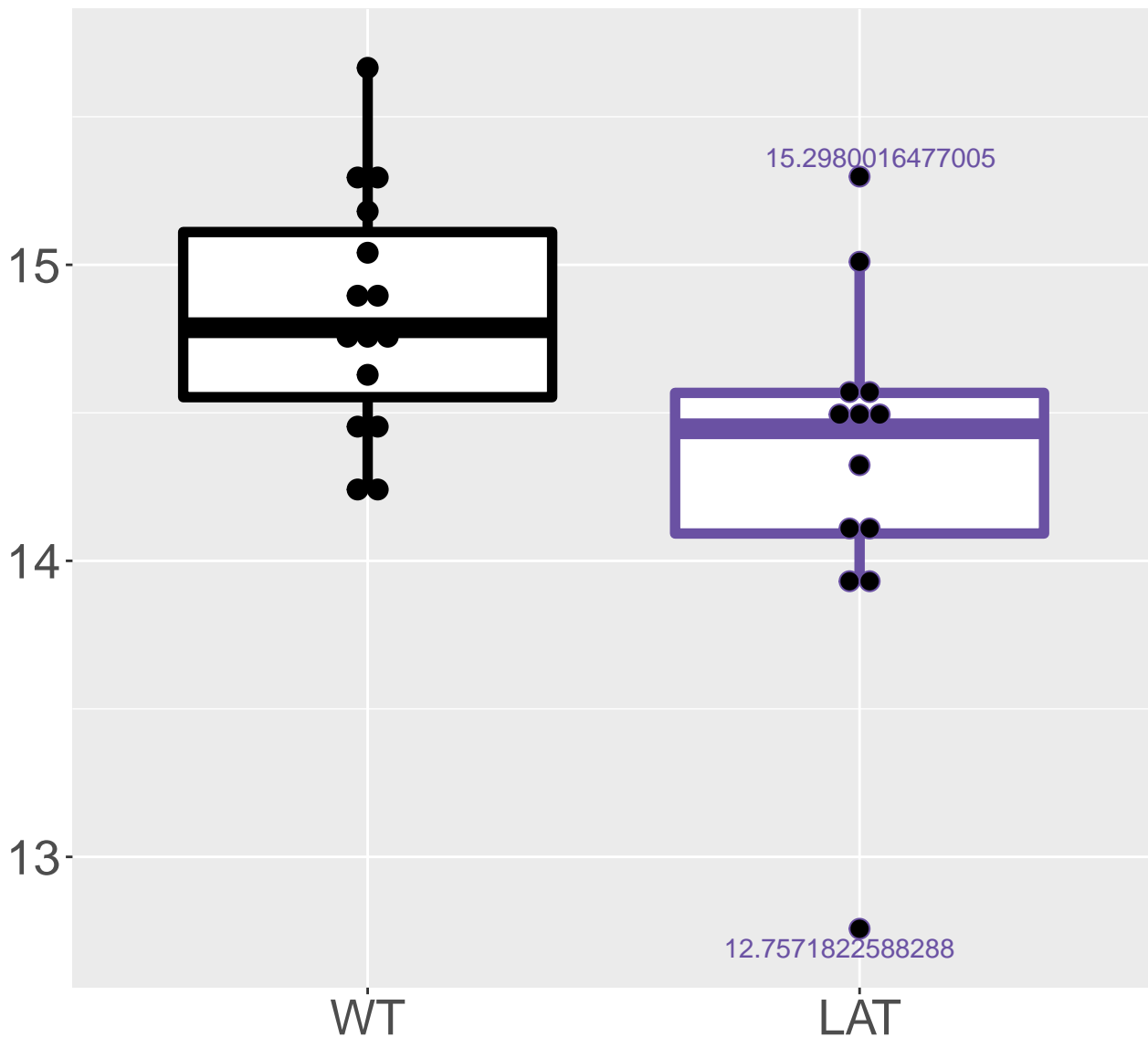
**M262.0697T50.33**

**FDR = 0.01, FC = 1.2**



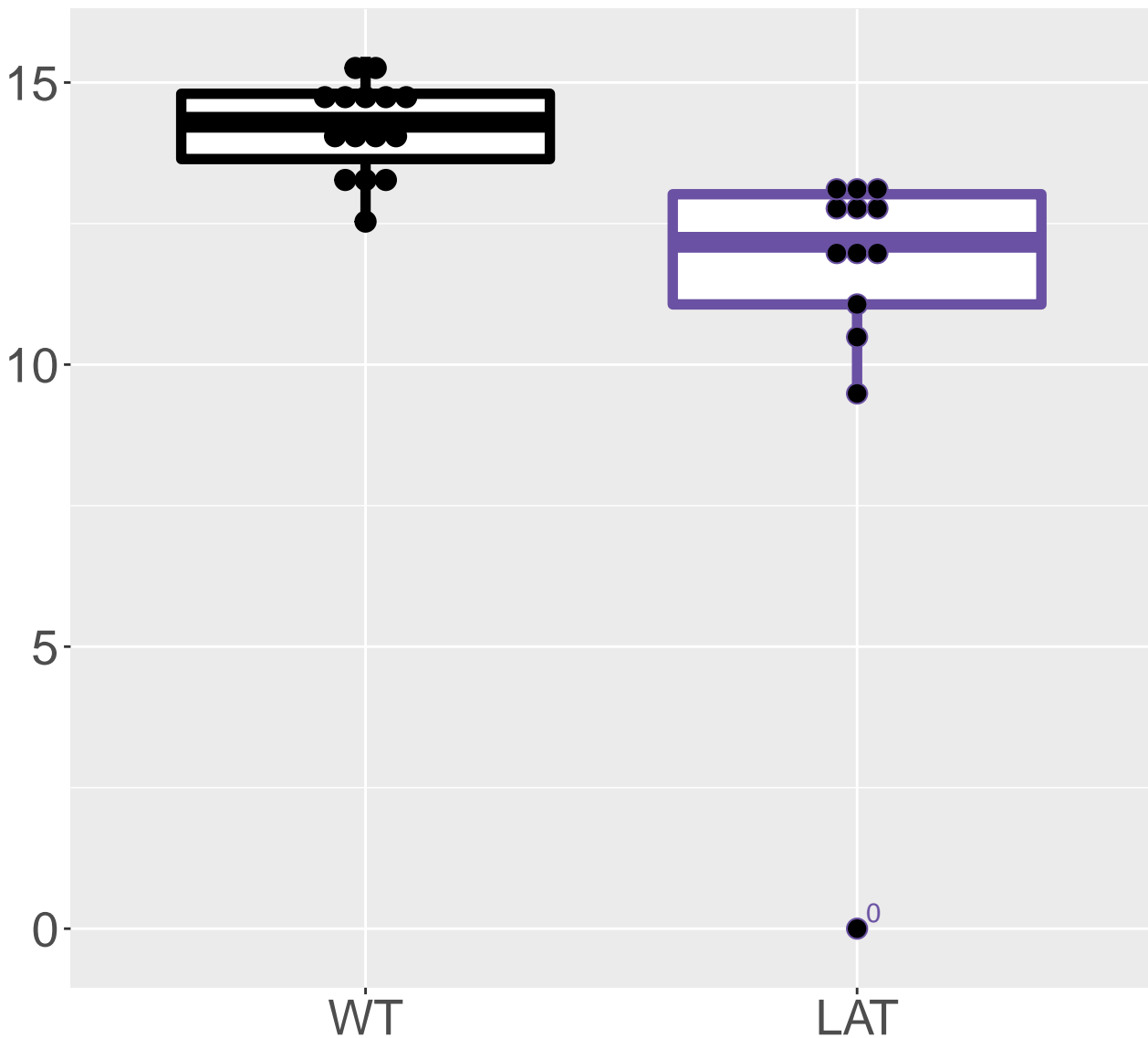
**M346.6923T258.41\_1**

**FDR = 0.01, FC = -0.53, sex\***

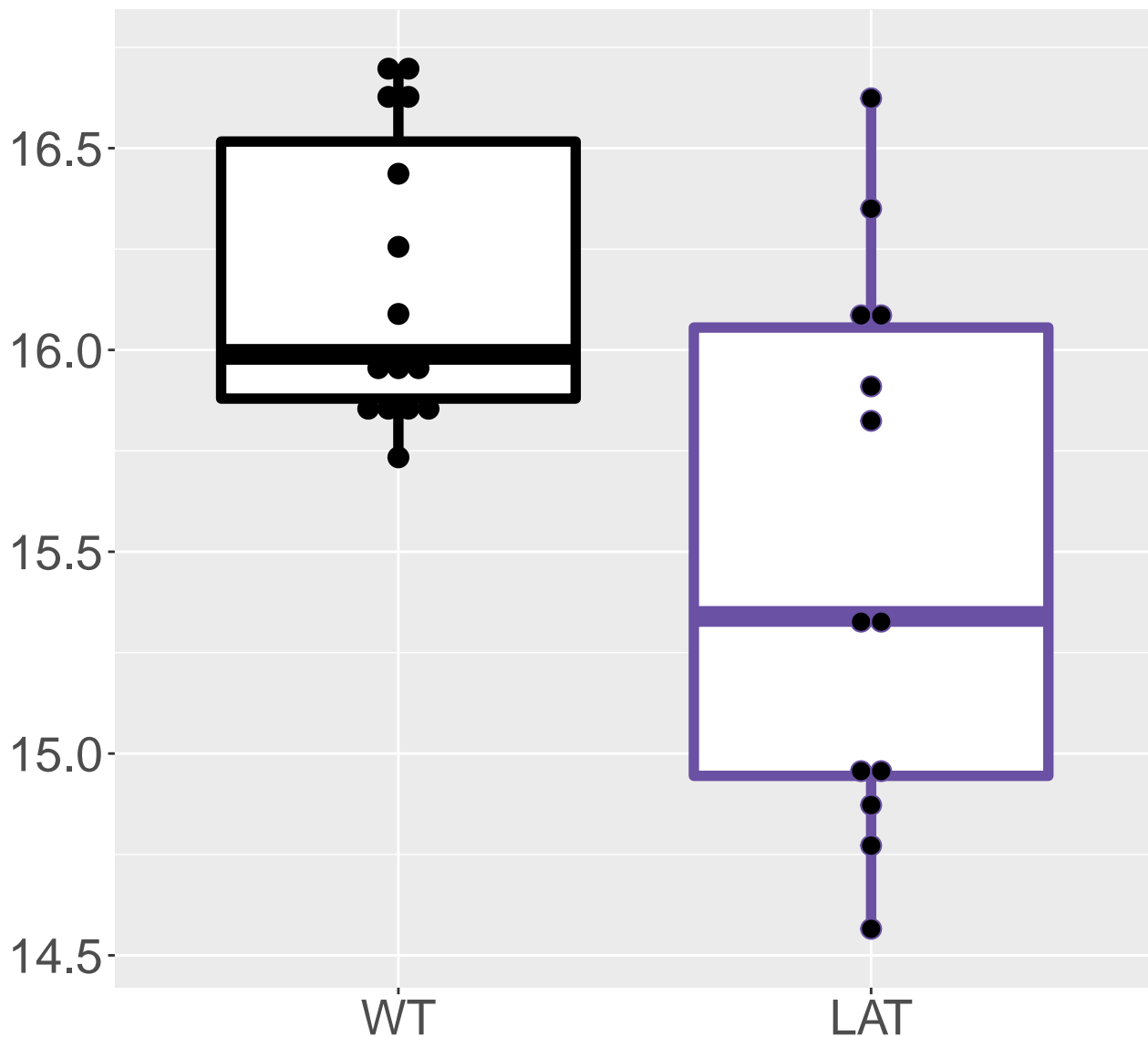


**M607.1707T80.07**

**FDR = 0.01, FC = -3.1**

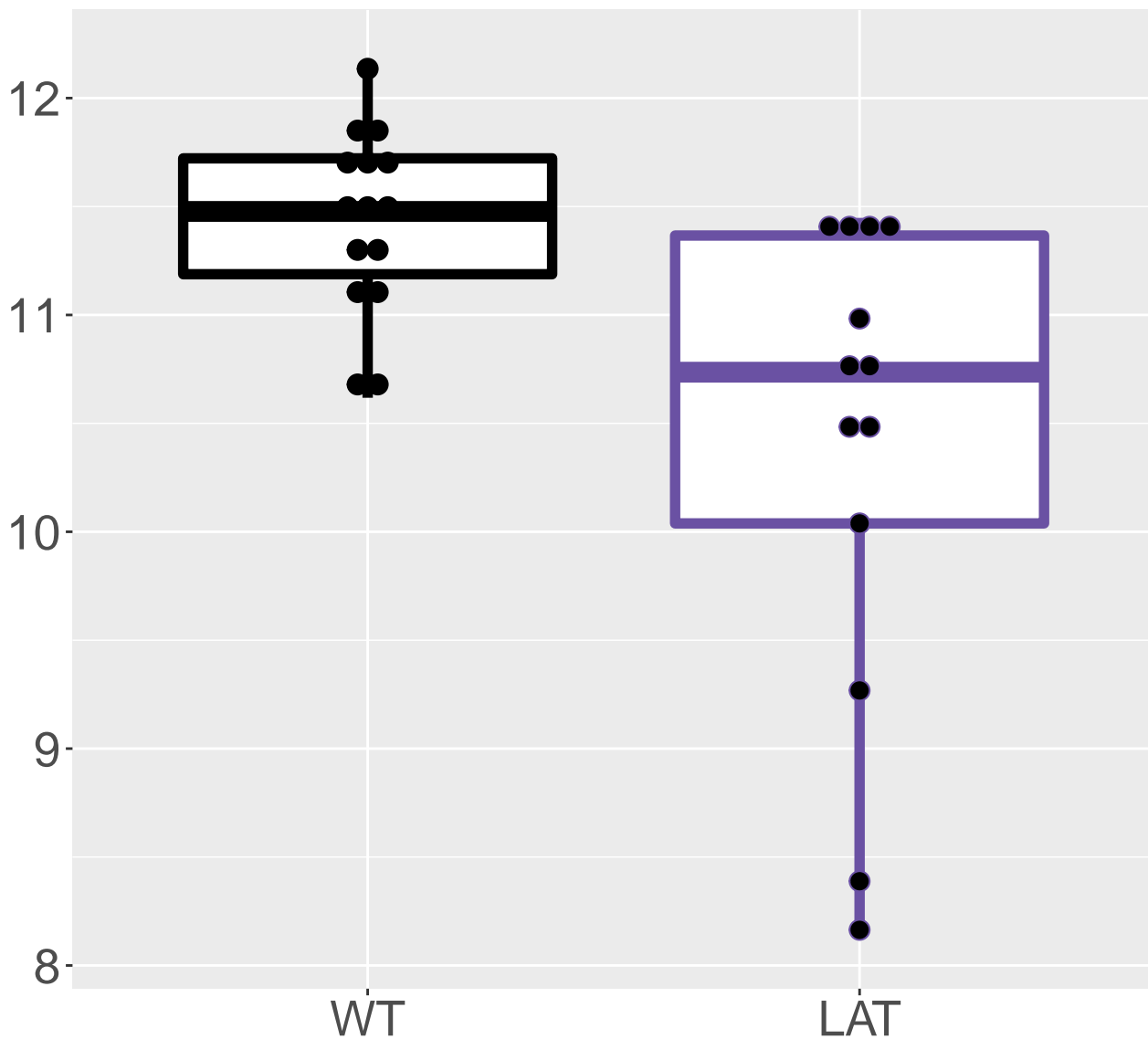


**M168.9728T113.2\_25**  
**FDR = 0.01, FC = -0.65**



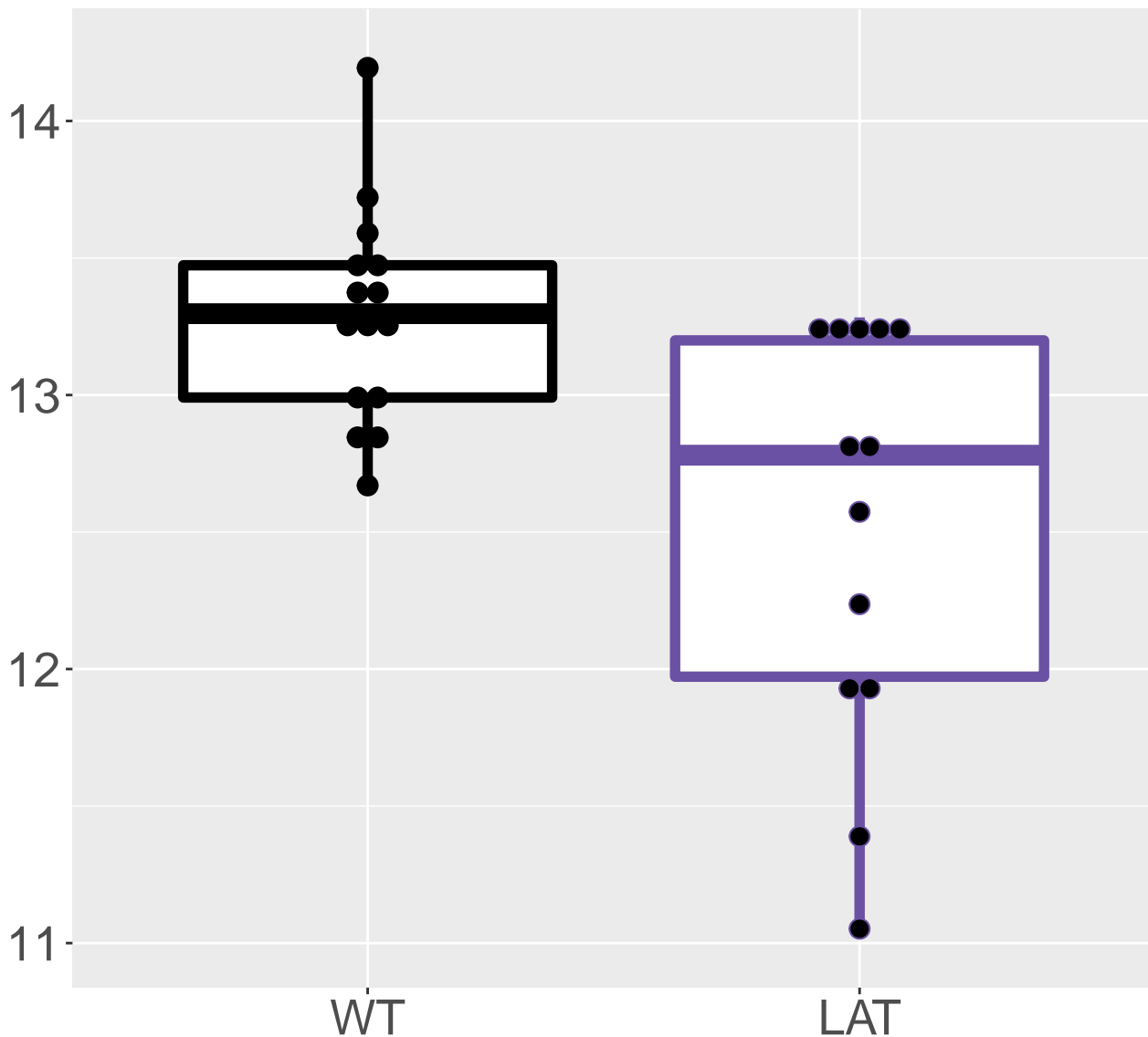
**M256.6164T133.56**

**FDR = 0.01, FC = -1.1**



**M202.6669T229.12\_2**

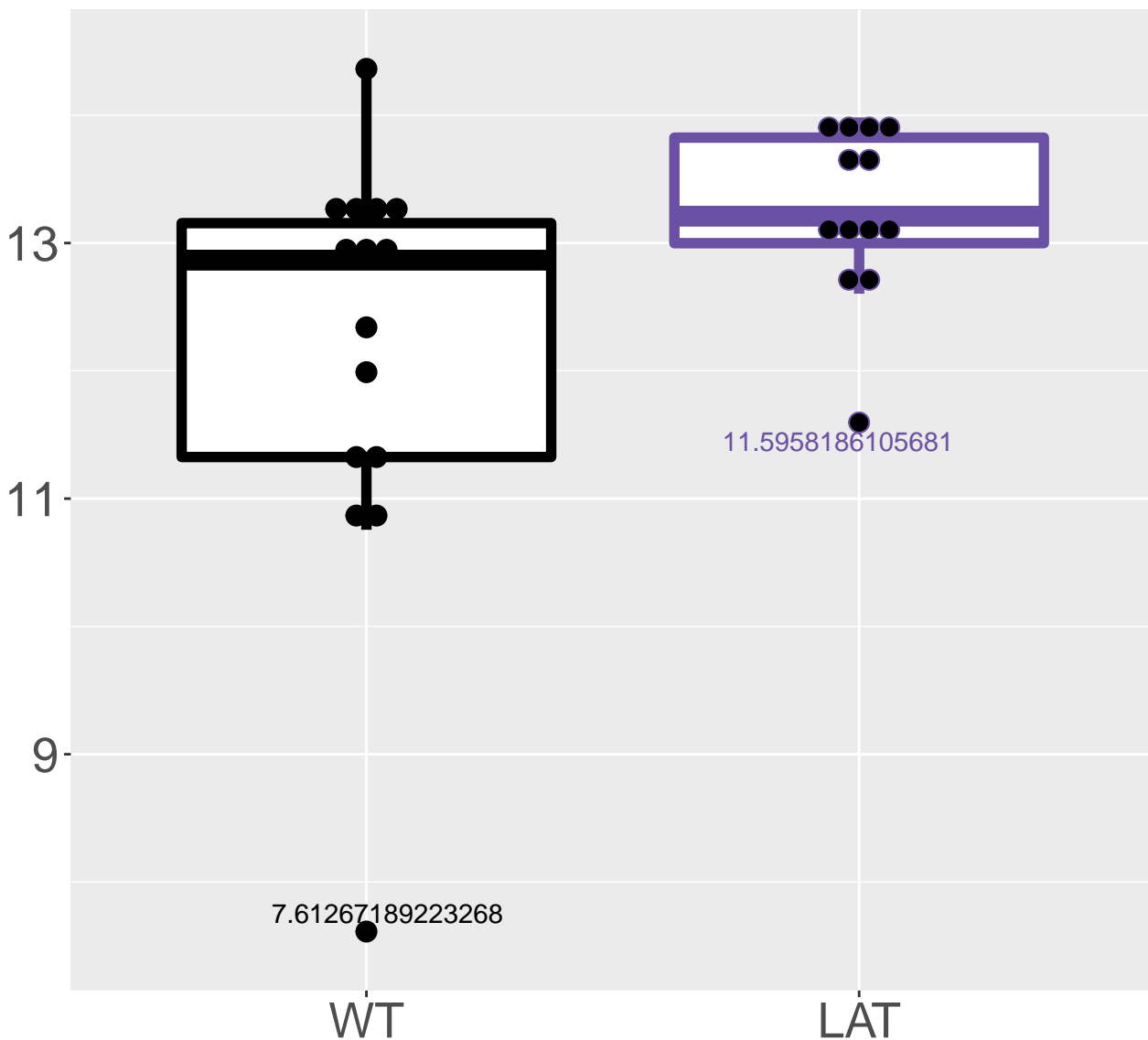
**FDR = 0.01, FC = -0.76**





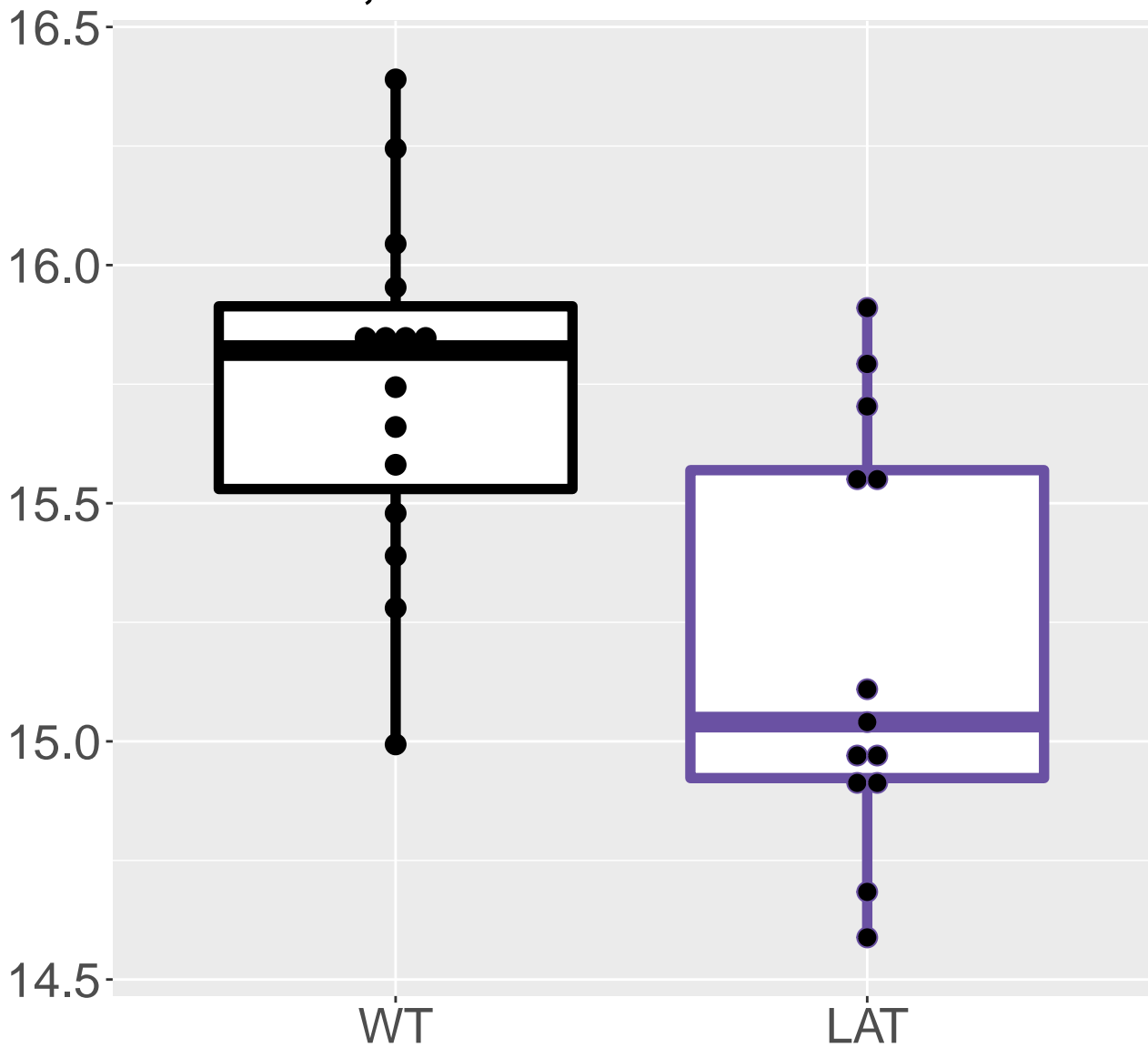
**M336.6525T86.93**

**FDR = 0.01, FC = 1.1, sex\*\***



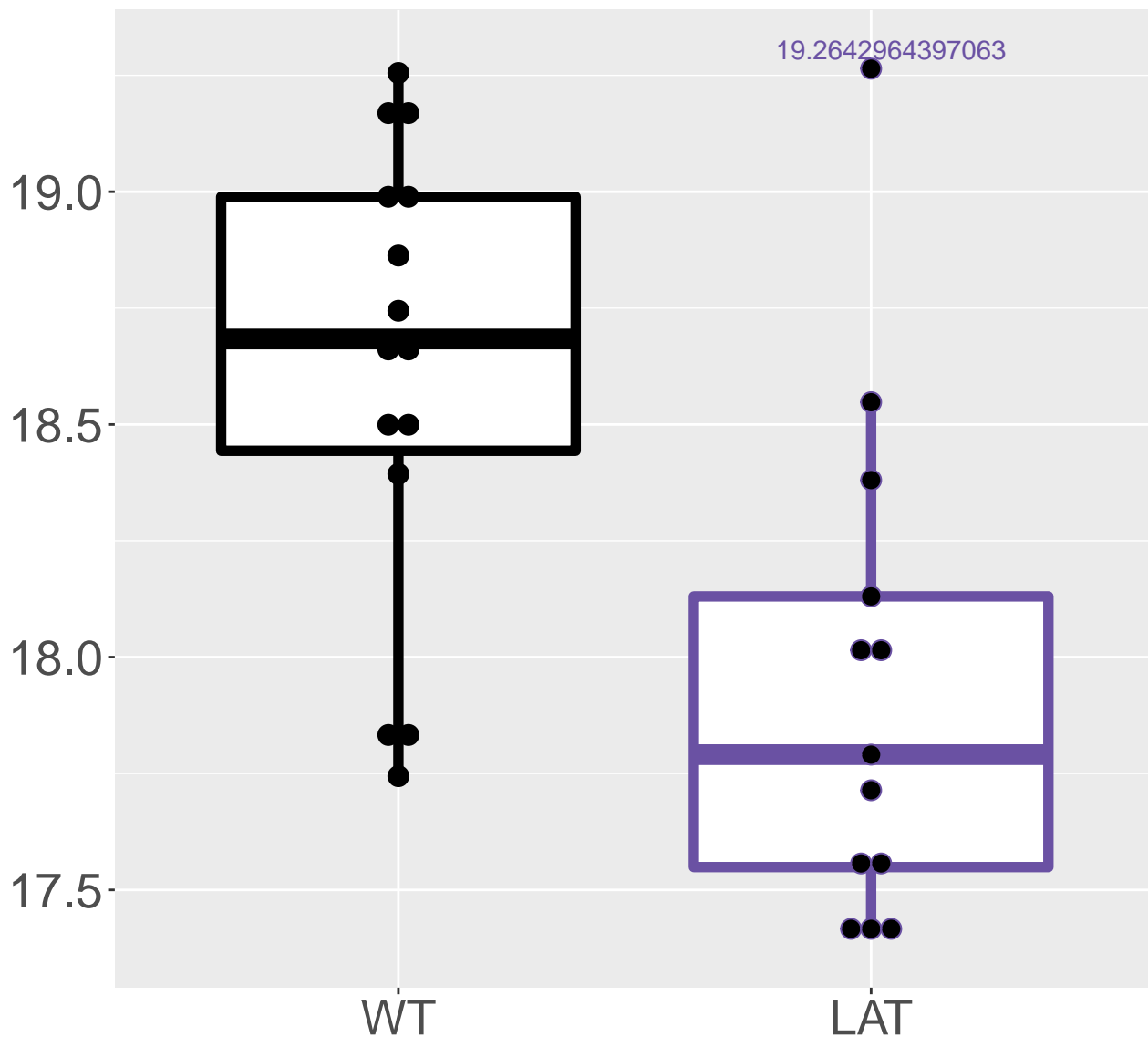
**M159.7977T113.19 14**

**FDR = 0.01, FC =  $\bar{-0.54}$**

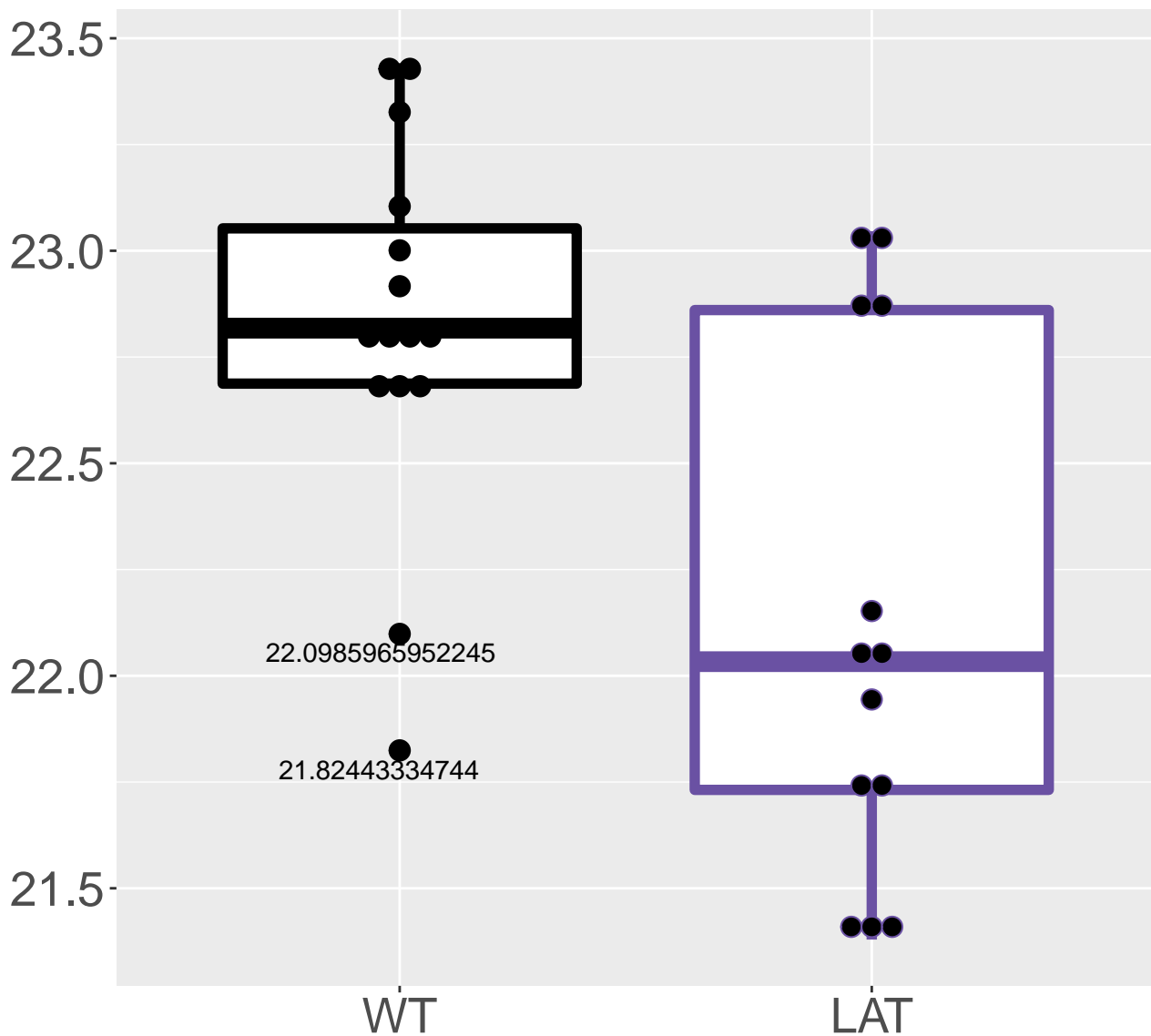


**M505.1788T50.38**

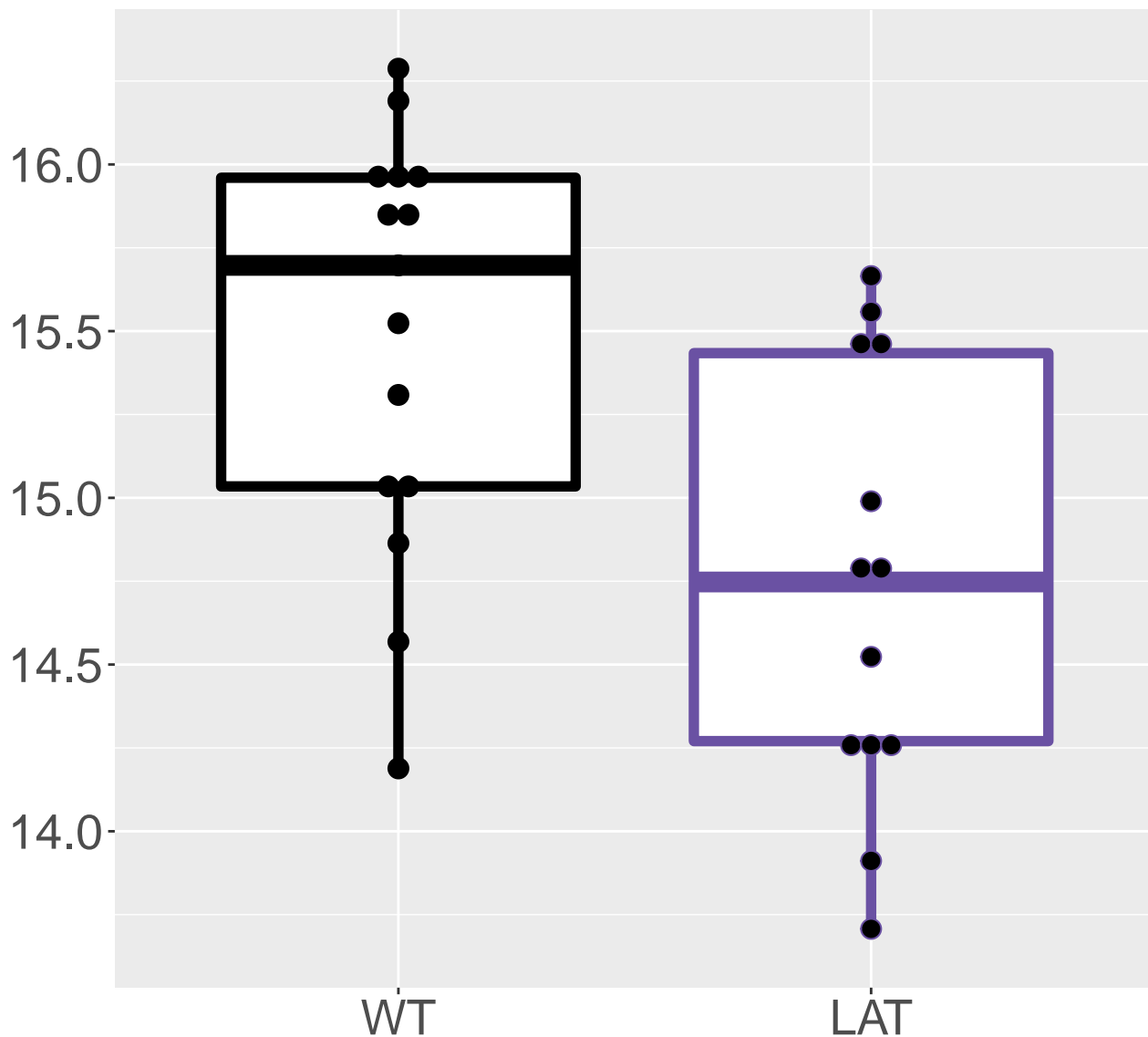
**FDR = 0.01, FC = -0.68**



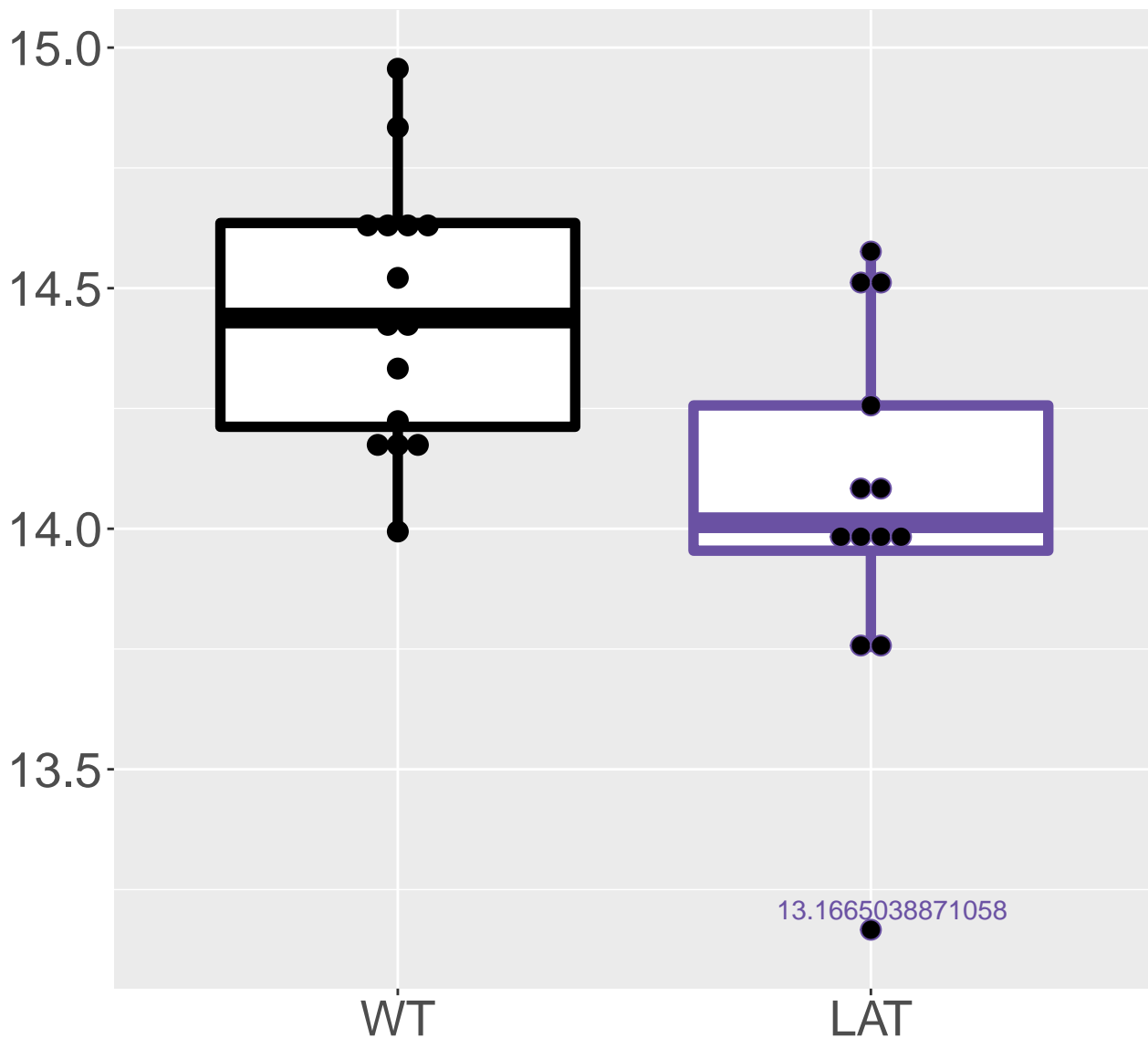
**M431.1429T69.34**  
**FDR = 0.01, FC = -0.69**



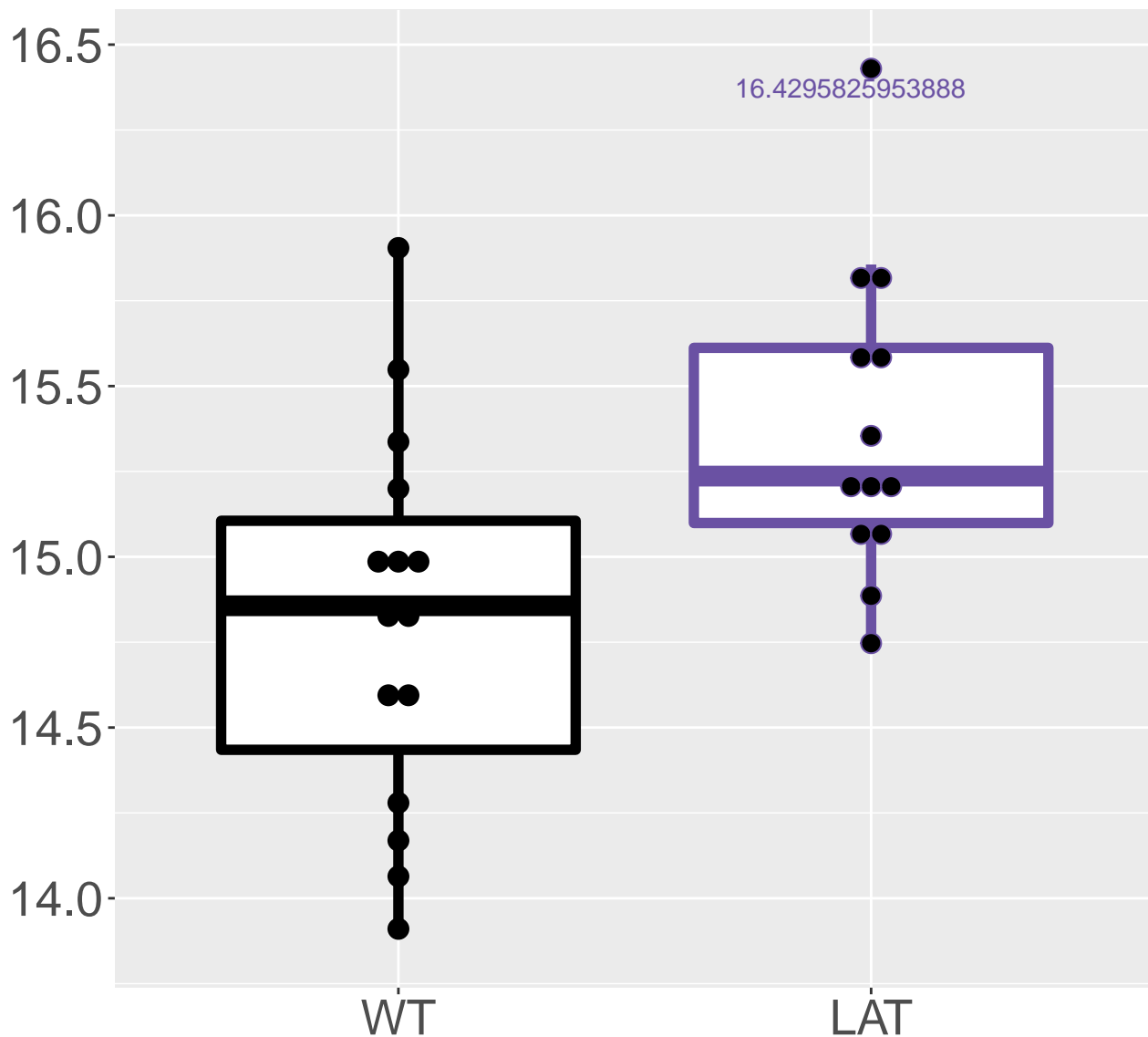
**M159.1399T113.15\_27**  
**FDR = 0.011, FC = -0.75**



**M735.9681T311.26\_2**  
**FDR = 0.011, FC = -0.4**

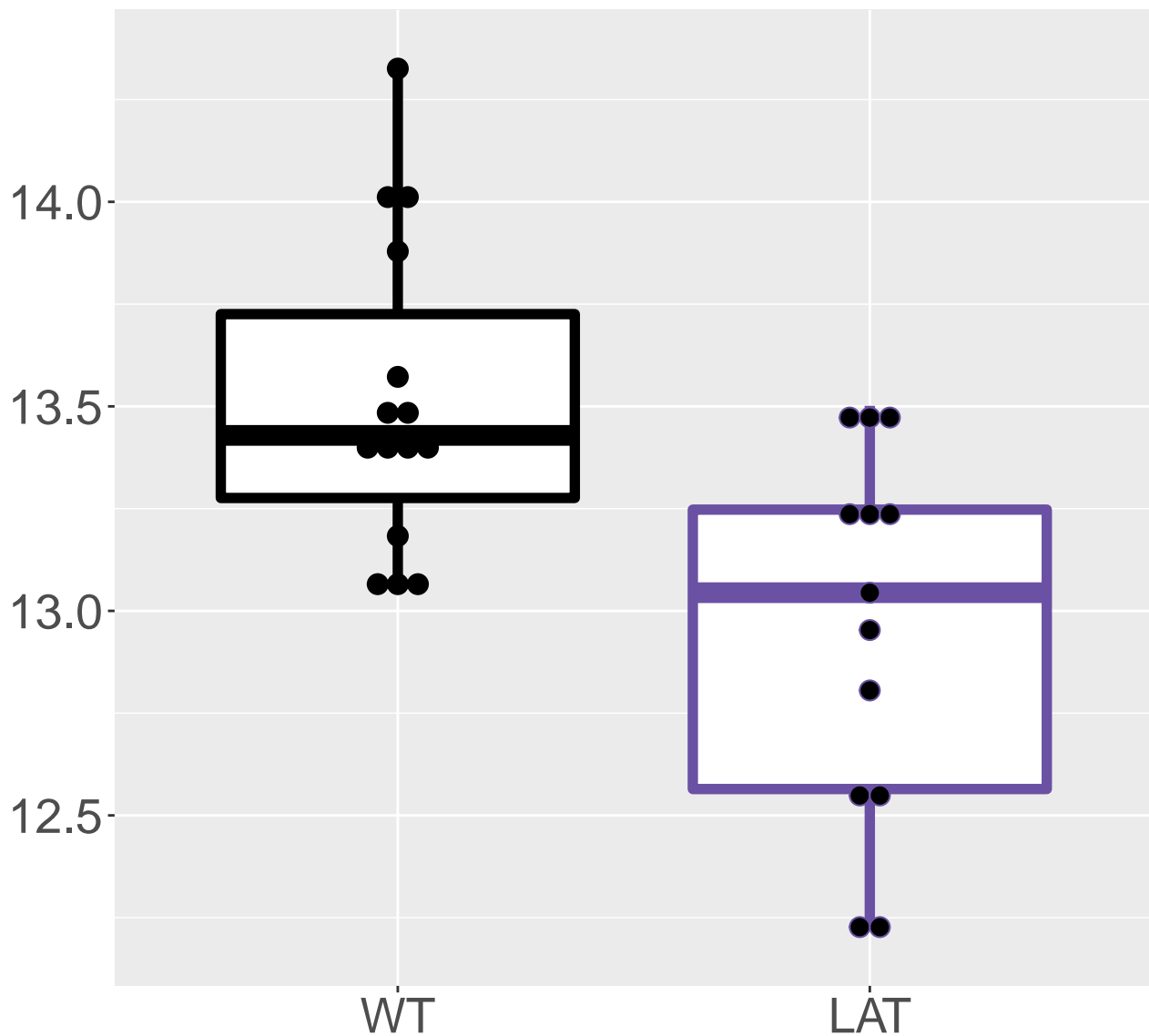


**M594.0616T298.2\_1**  
**FDR = 0.011, FC = 0.57**



**M570.3079T277.78\_2**

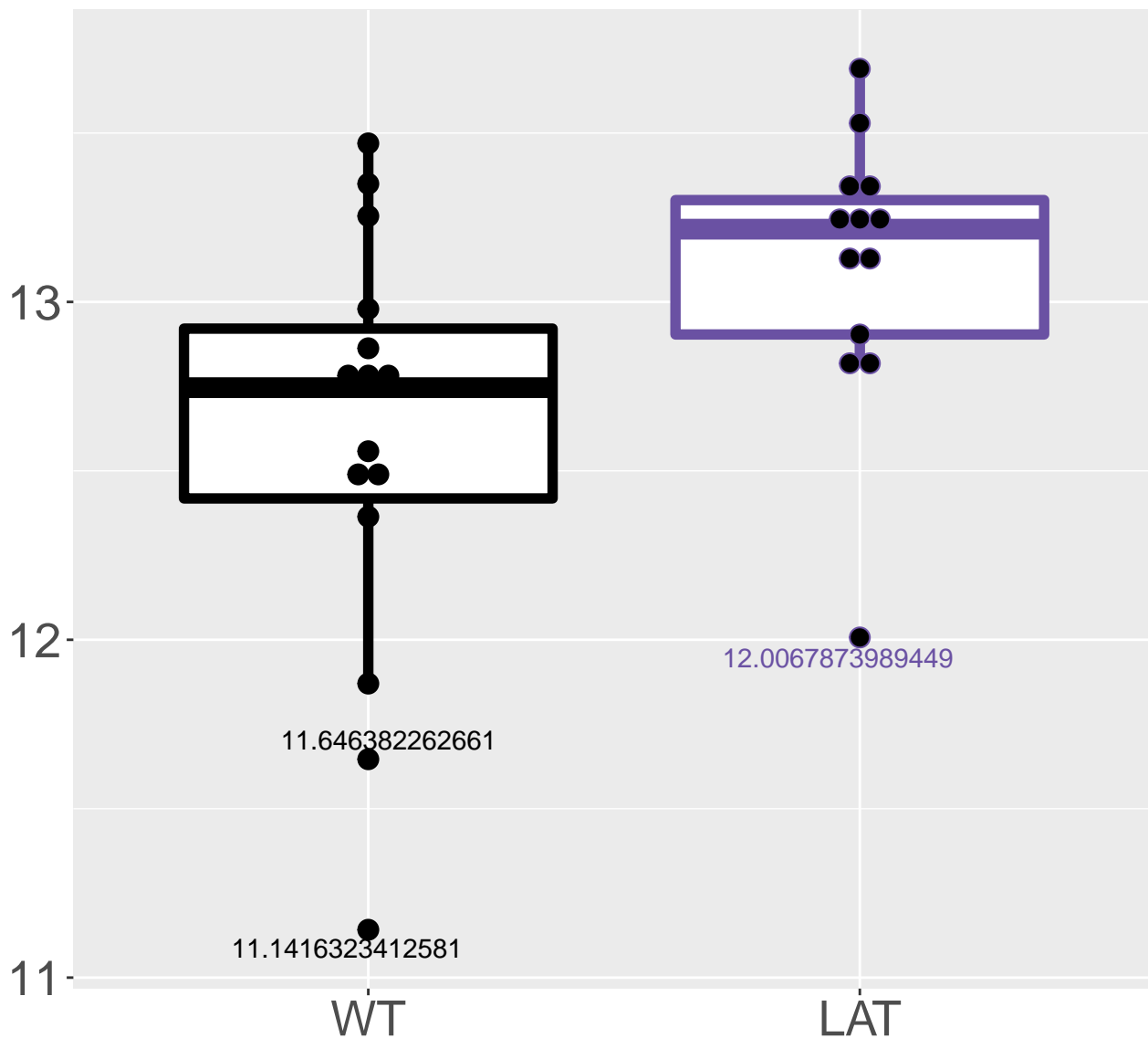
**FDR = 0.011, FC = -0.56**





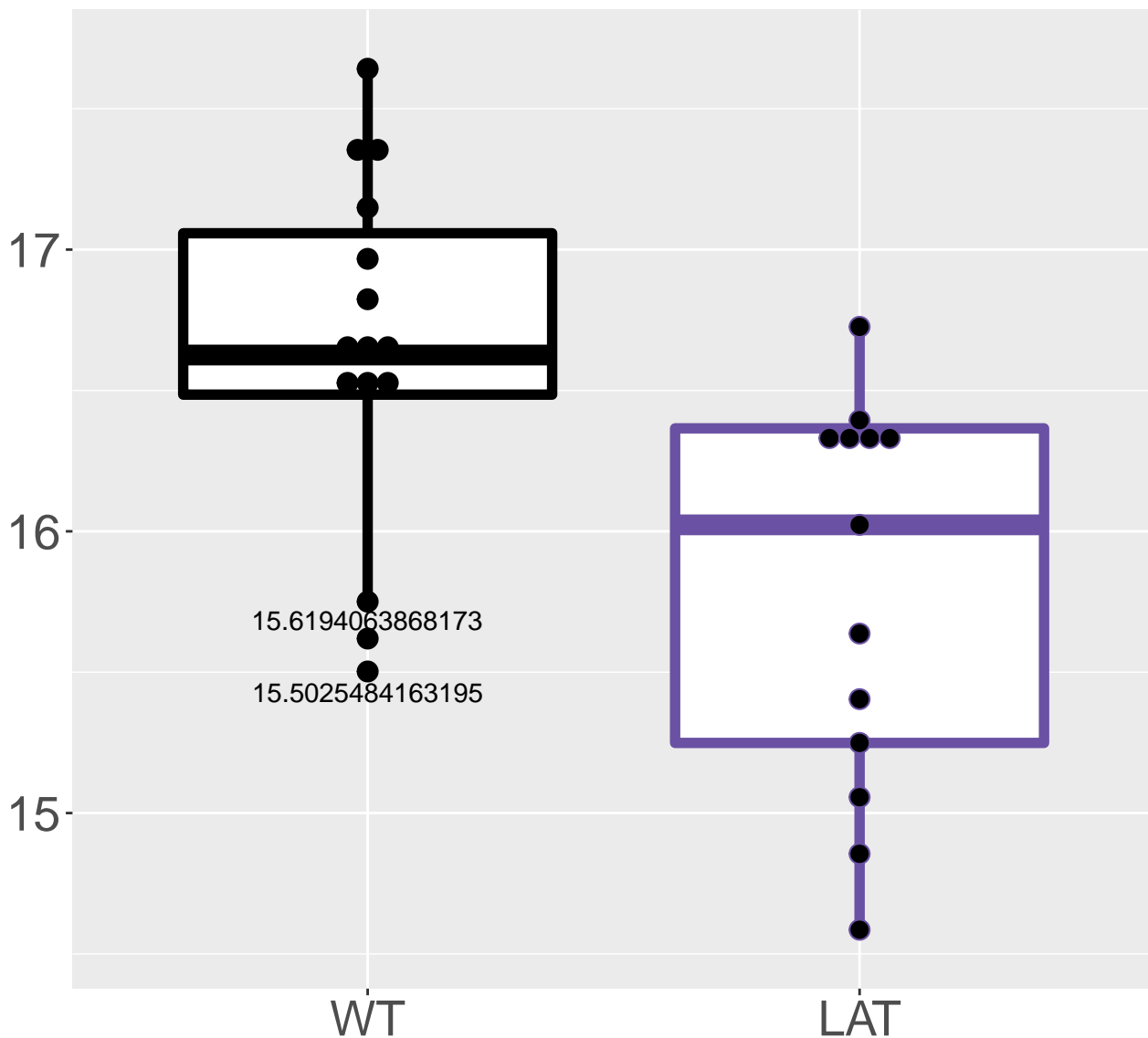
**M589.0313T334.25\_1**

**FDR = 0.011, FC = 0.52, sex\*\***



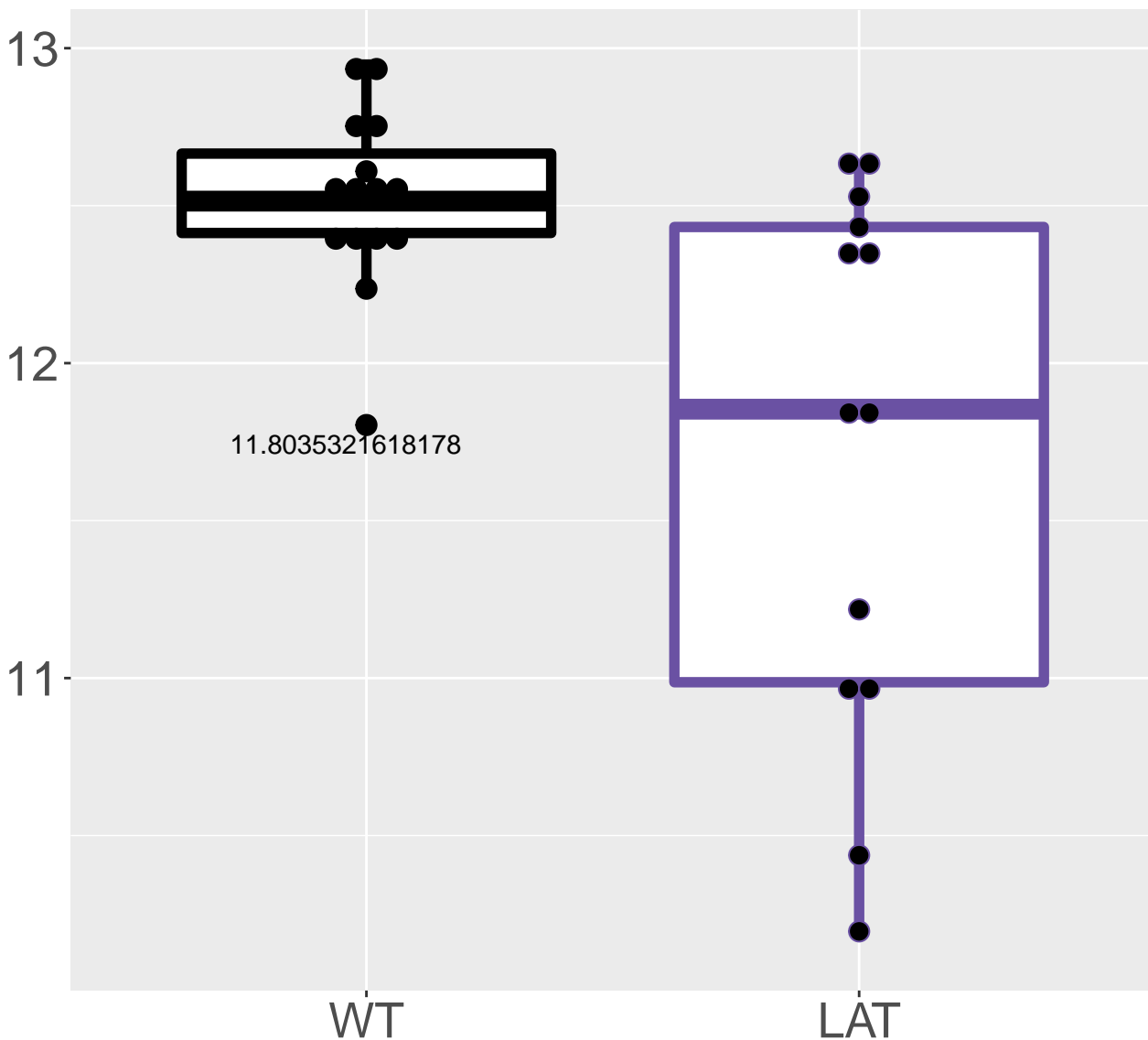
**M134.6437T75.63\_4**

**FDR = 0.011, FC = -0.85**



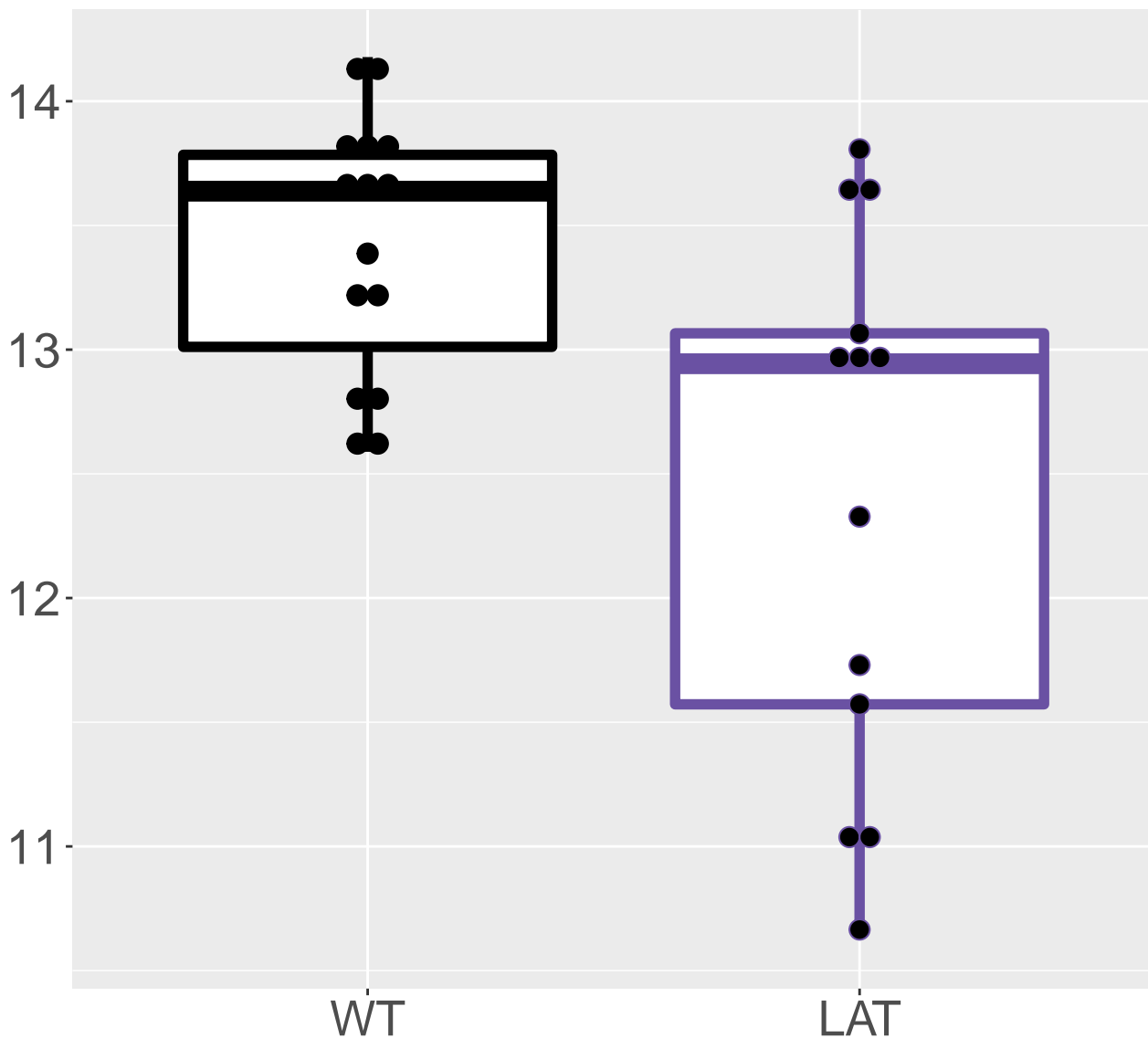
**M416.5633T271.33**

**FDR = 0.011, FC = -0.8**

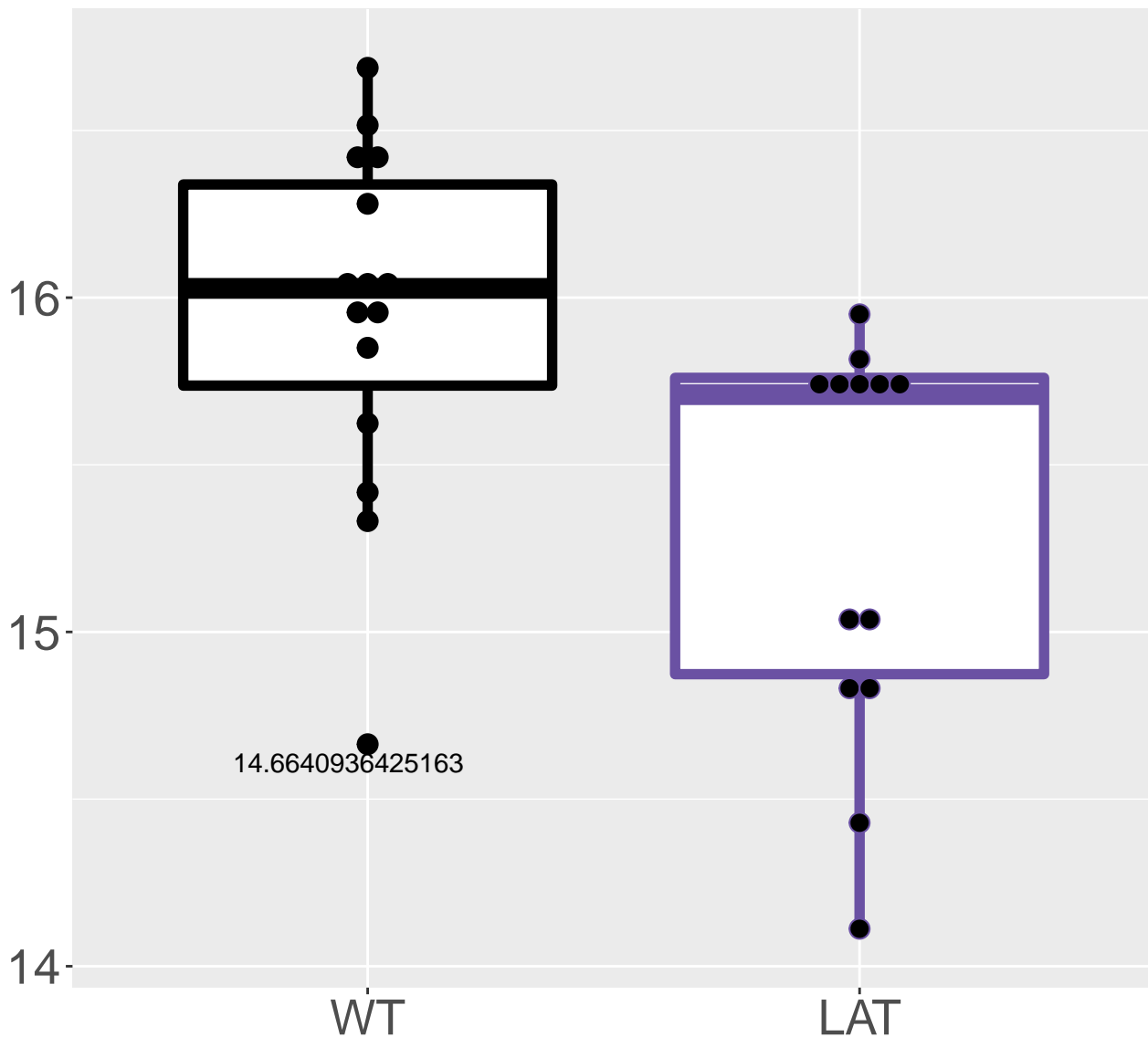


**M260.4829T195.4**

**FDR = 0.011, FC = -1**

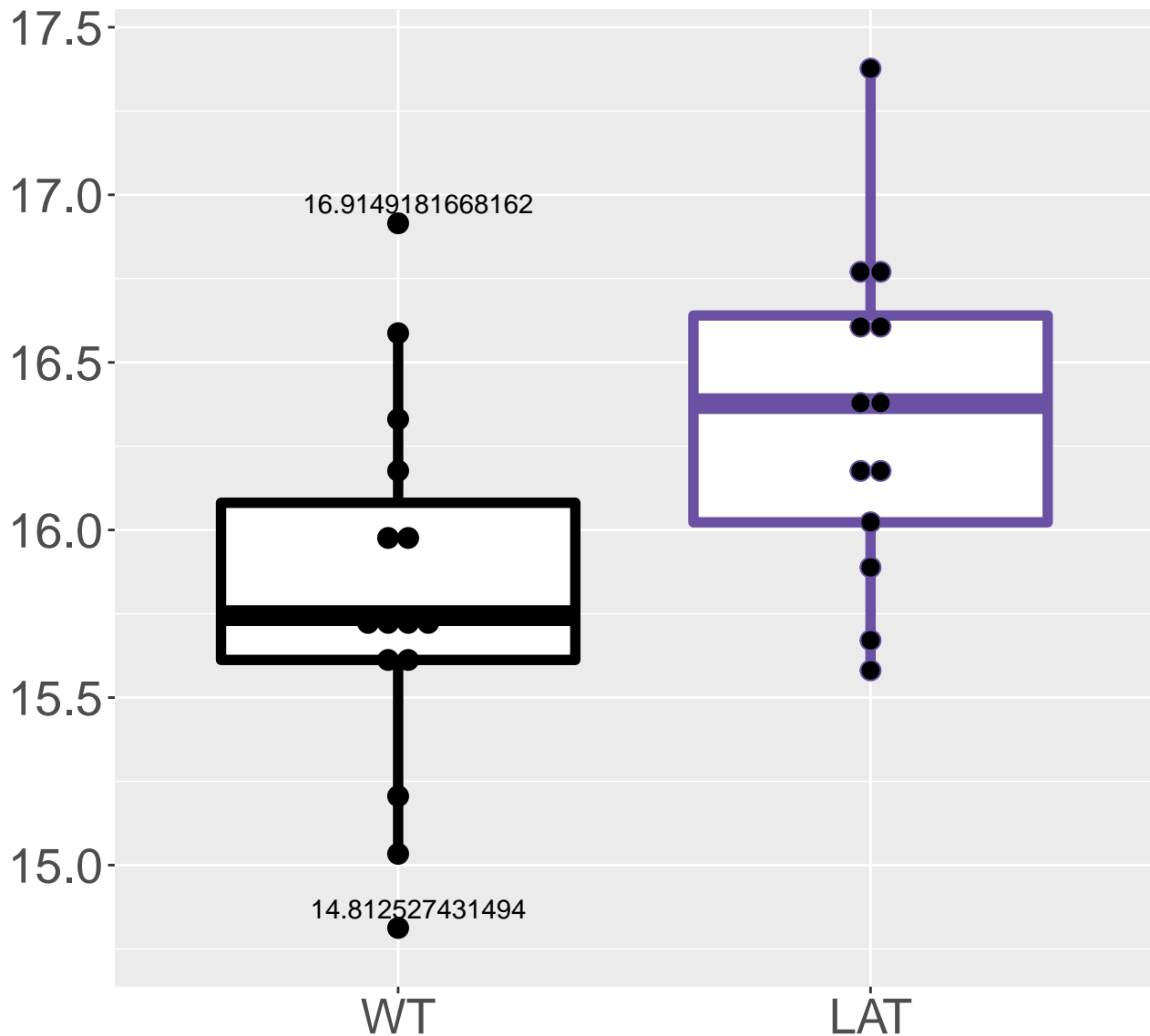


**M170.6378T113.19\_5**  
**FDR = 0.011, FC = -0.66**

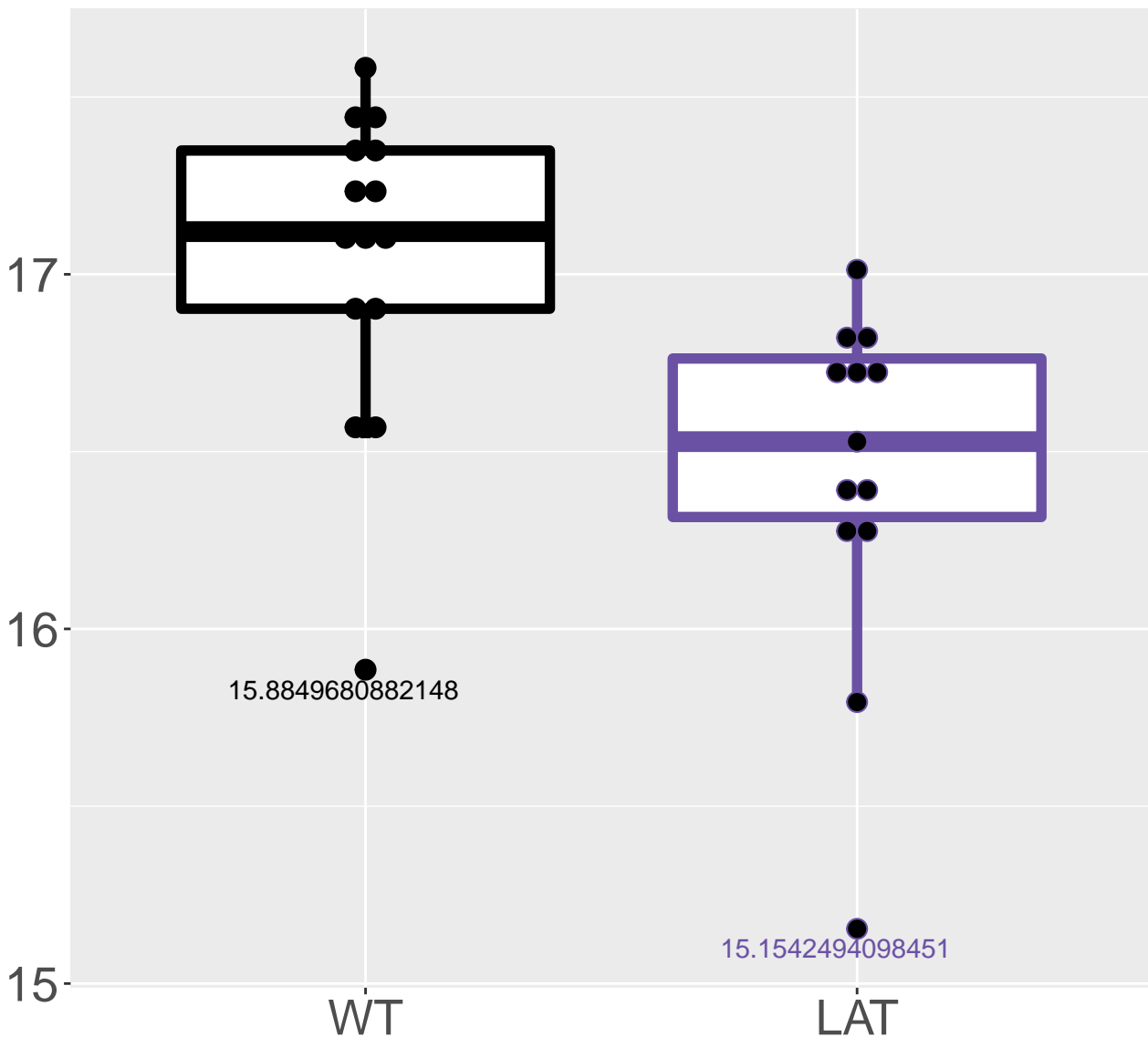


**M678.7833T298.31\_1**

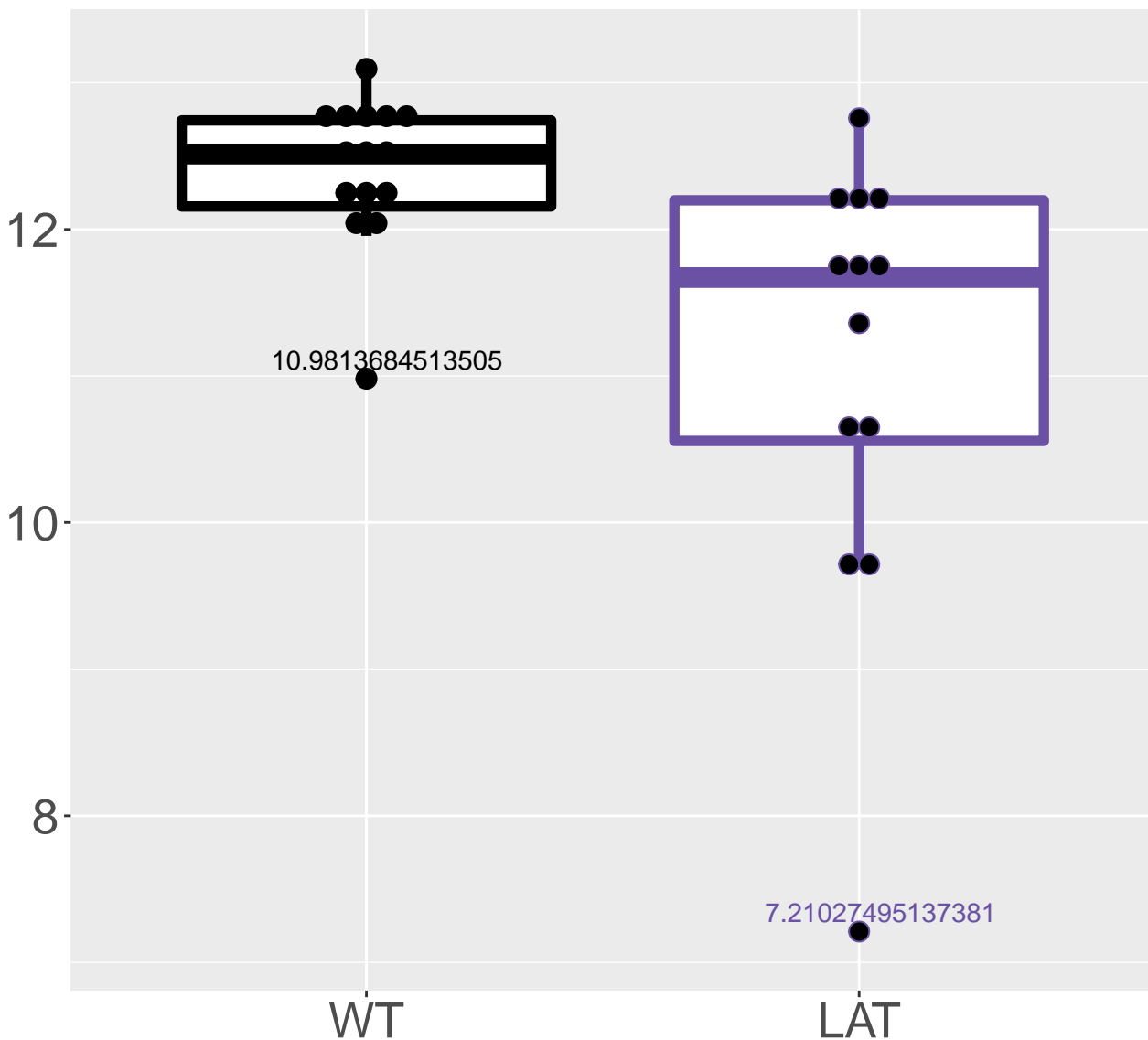
**FDR = 0.011, FC = 0.53, sex\***



**M130.0678T75.45\_30**  
**FDR = 0.011, FC = -0.62**



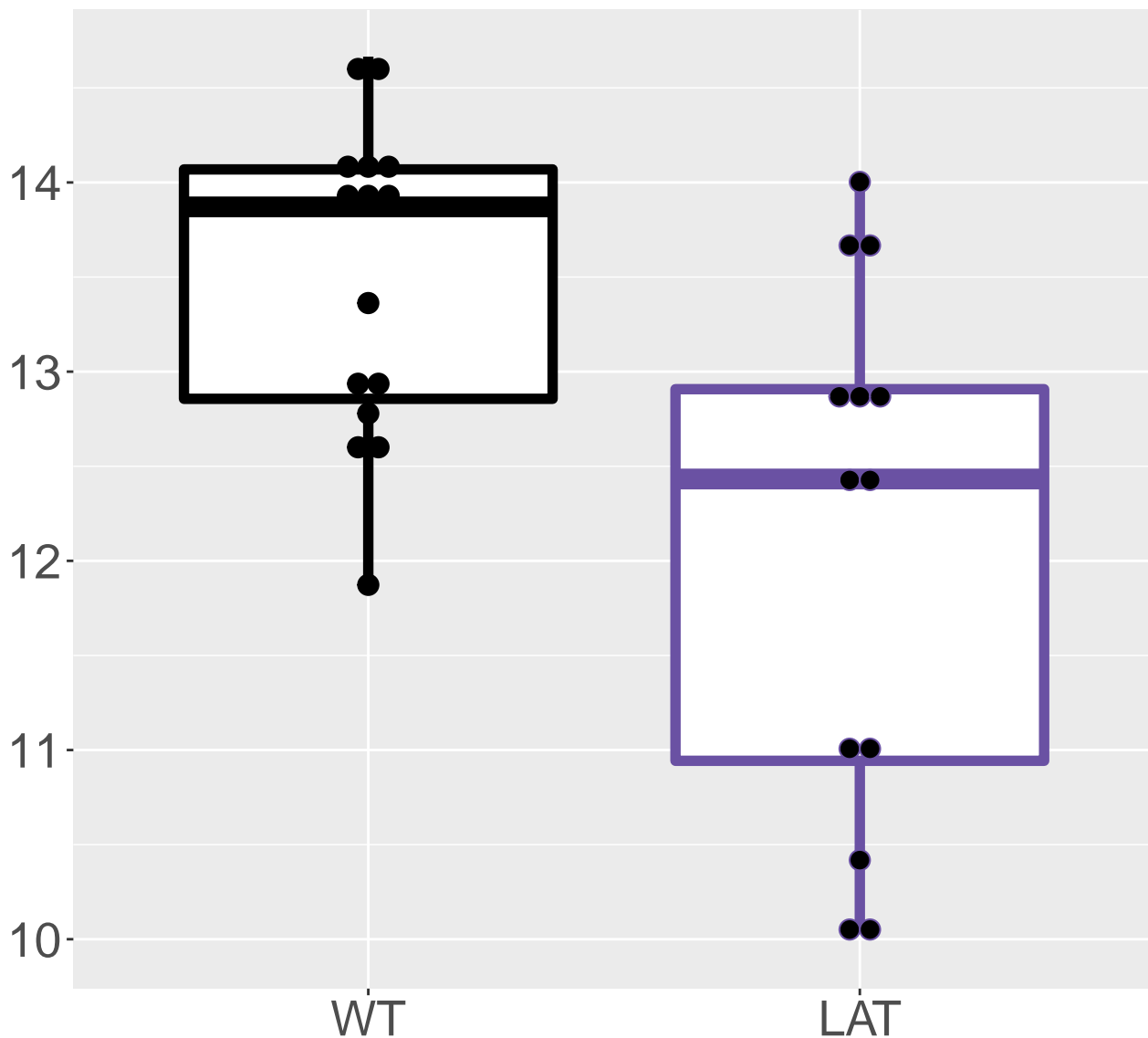
**FDR = 0.011, FC = -1.3**



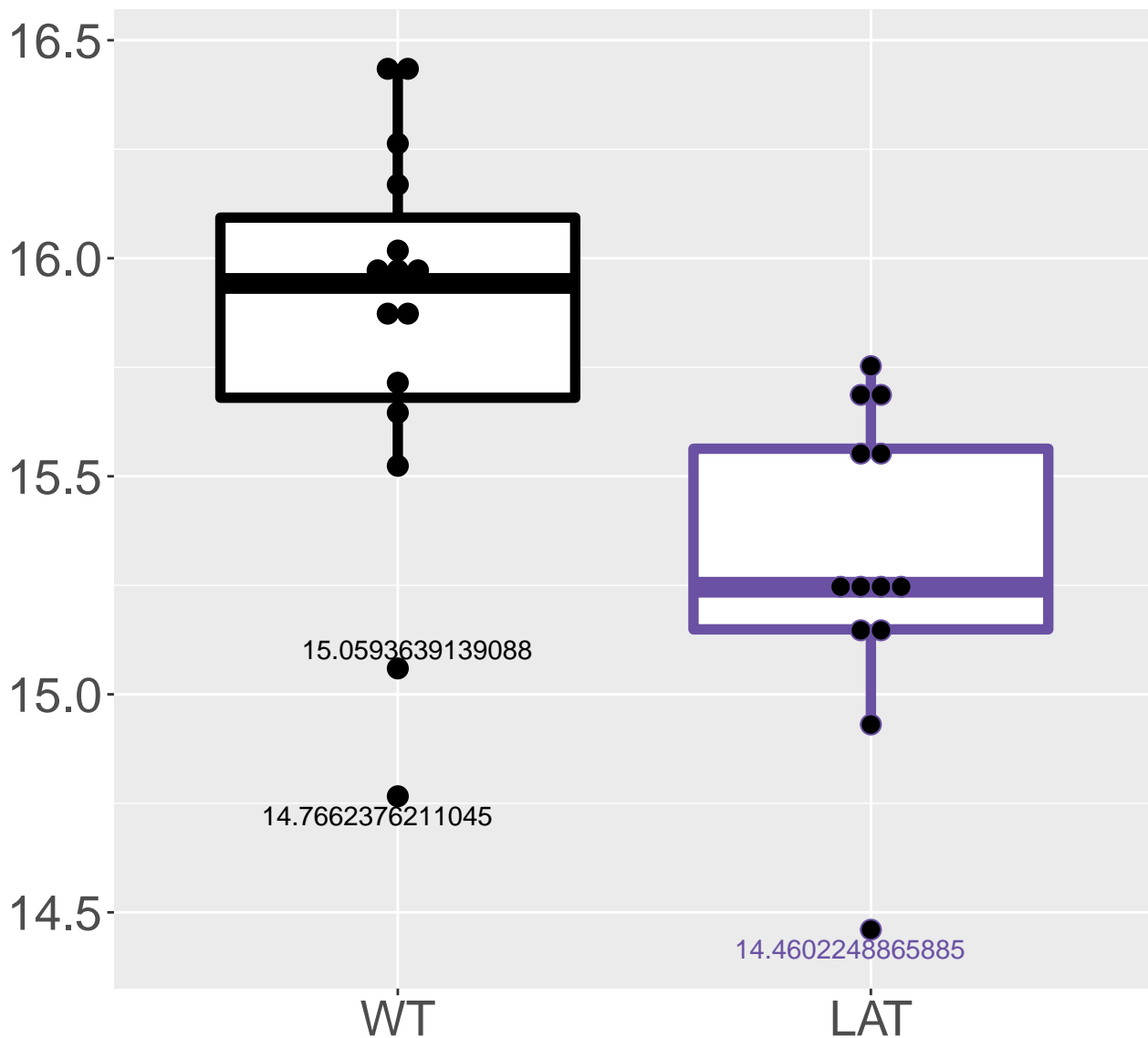


**M517.8739T303.52**

**FDR = 0.011, FC = -1.4**

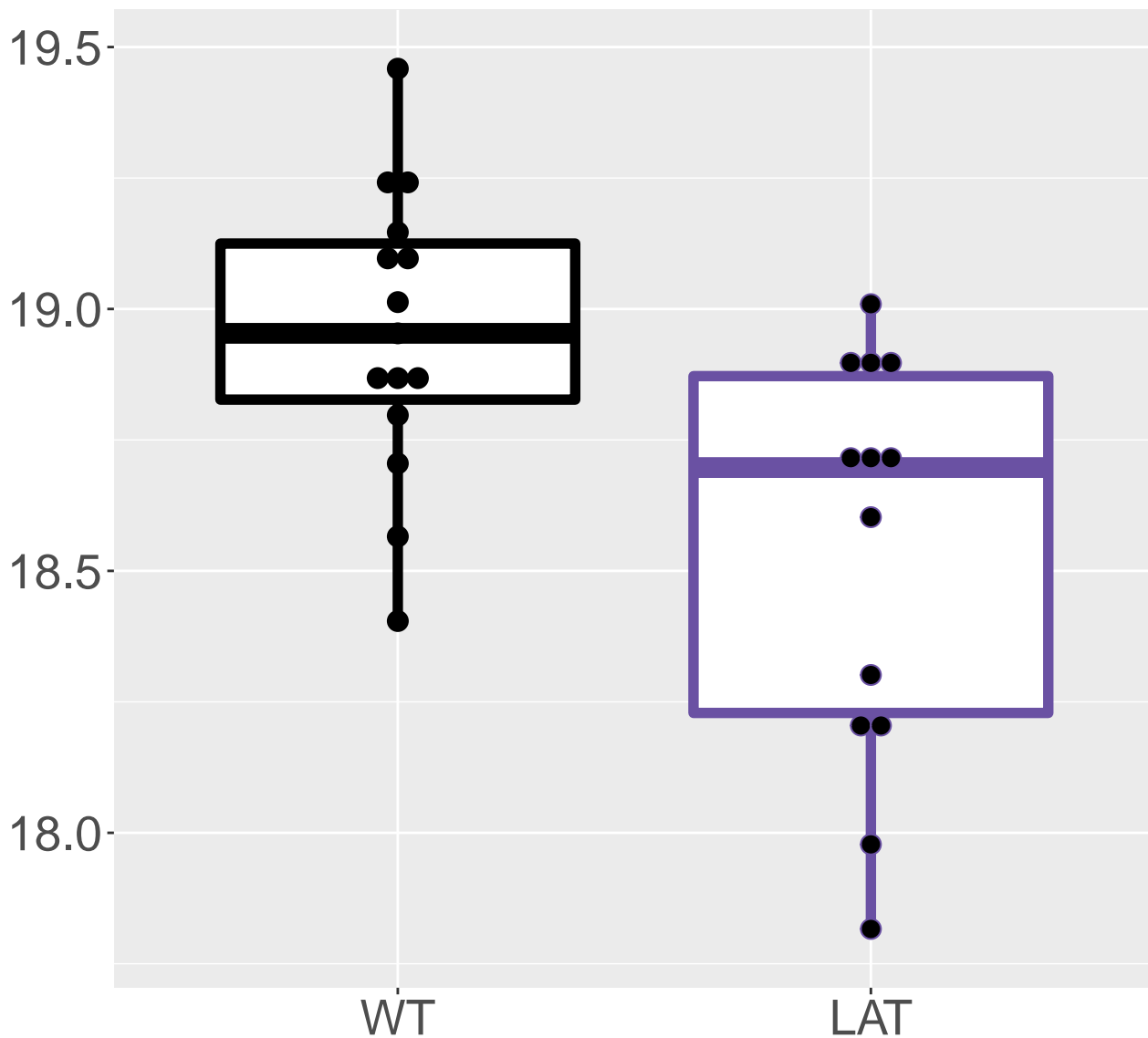


**M159.6625T113.29\_6**  
**FDR = 0.011, FC = -0.54**

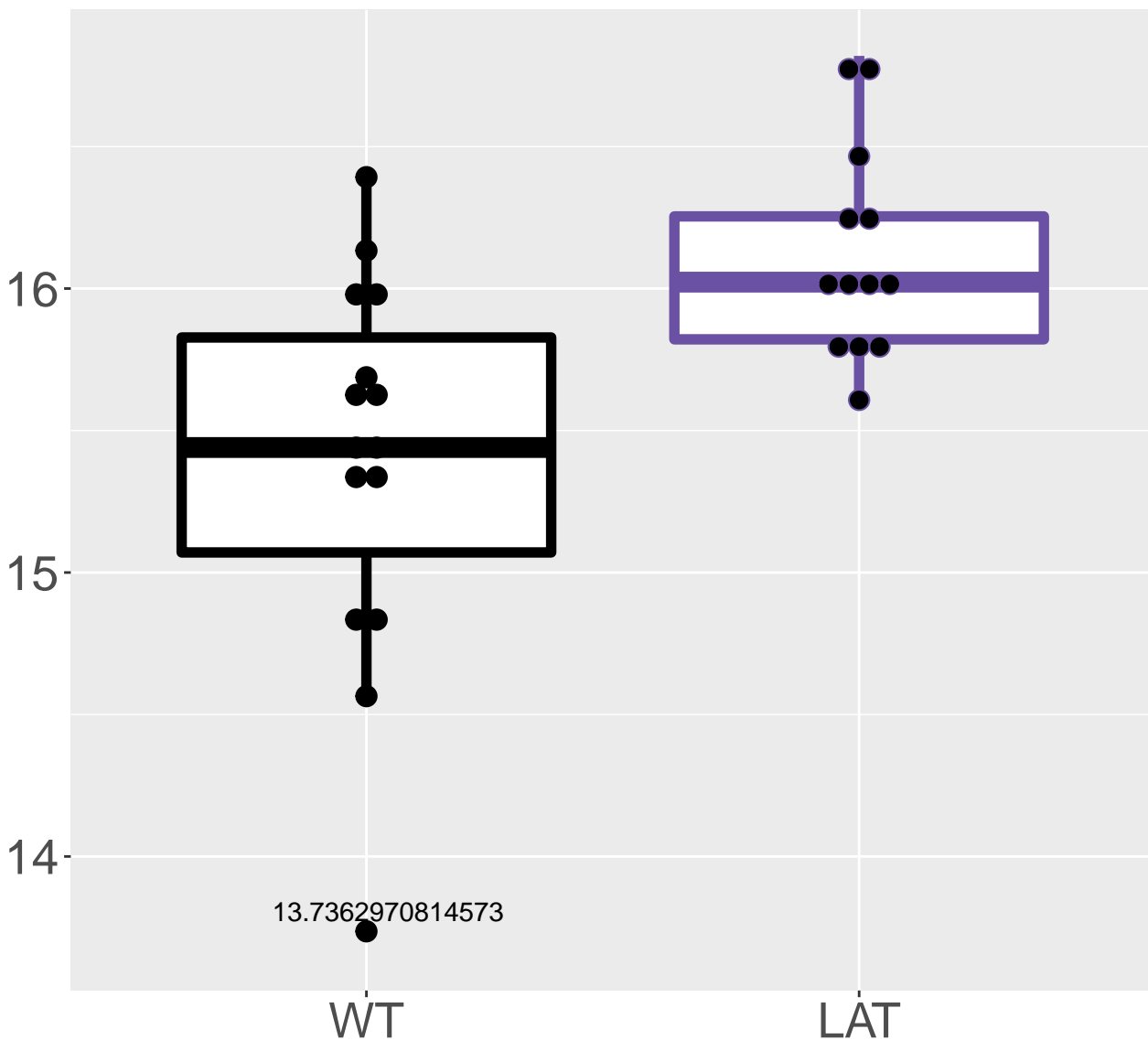


**M223.0256T43.69**

**FDR = 0.011, FC = -0.42, sex\***

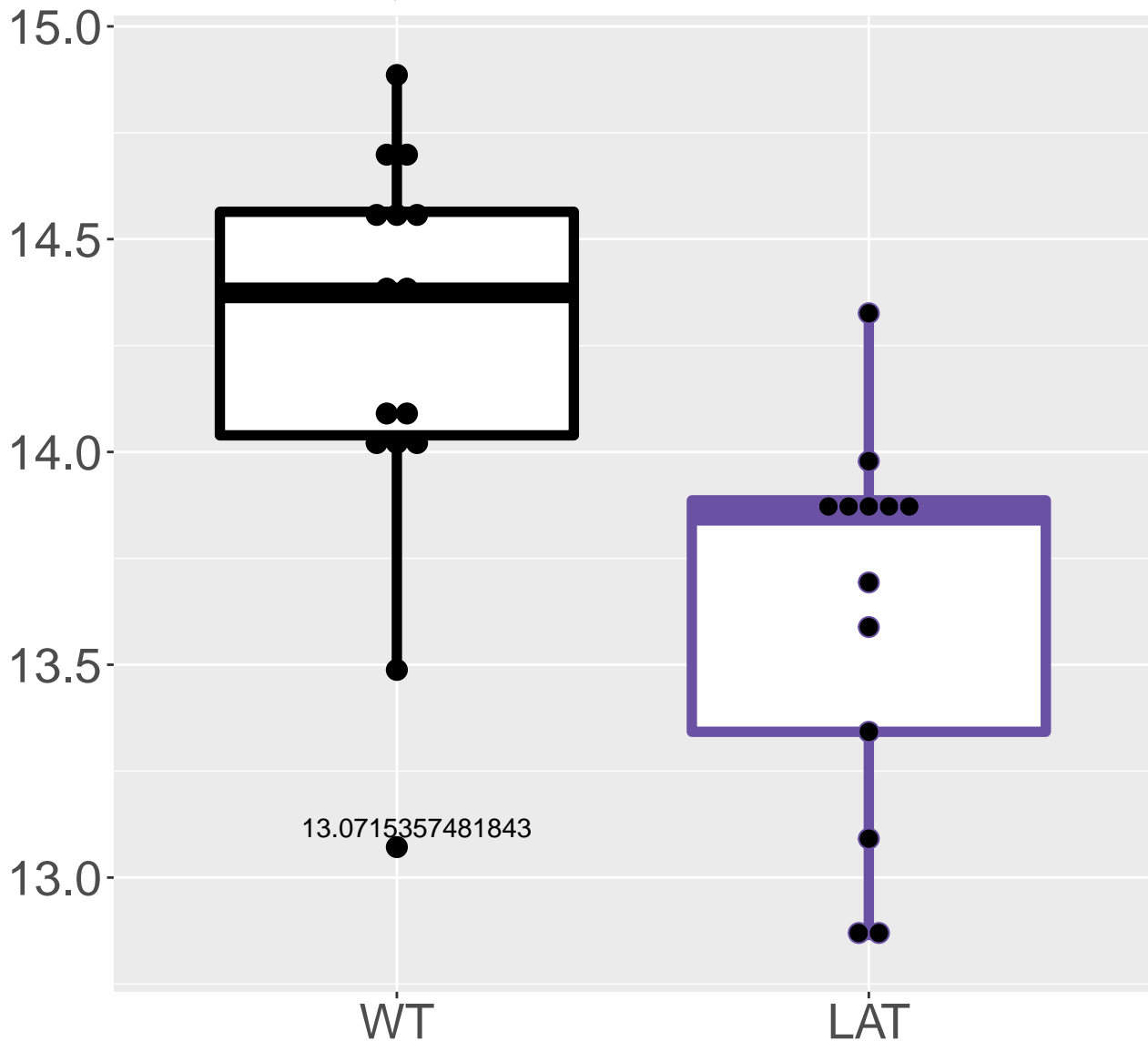


**FDR = 0.011, FC = 0.73**



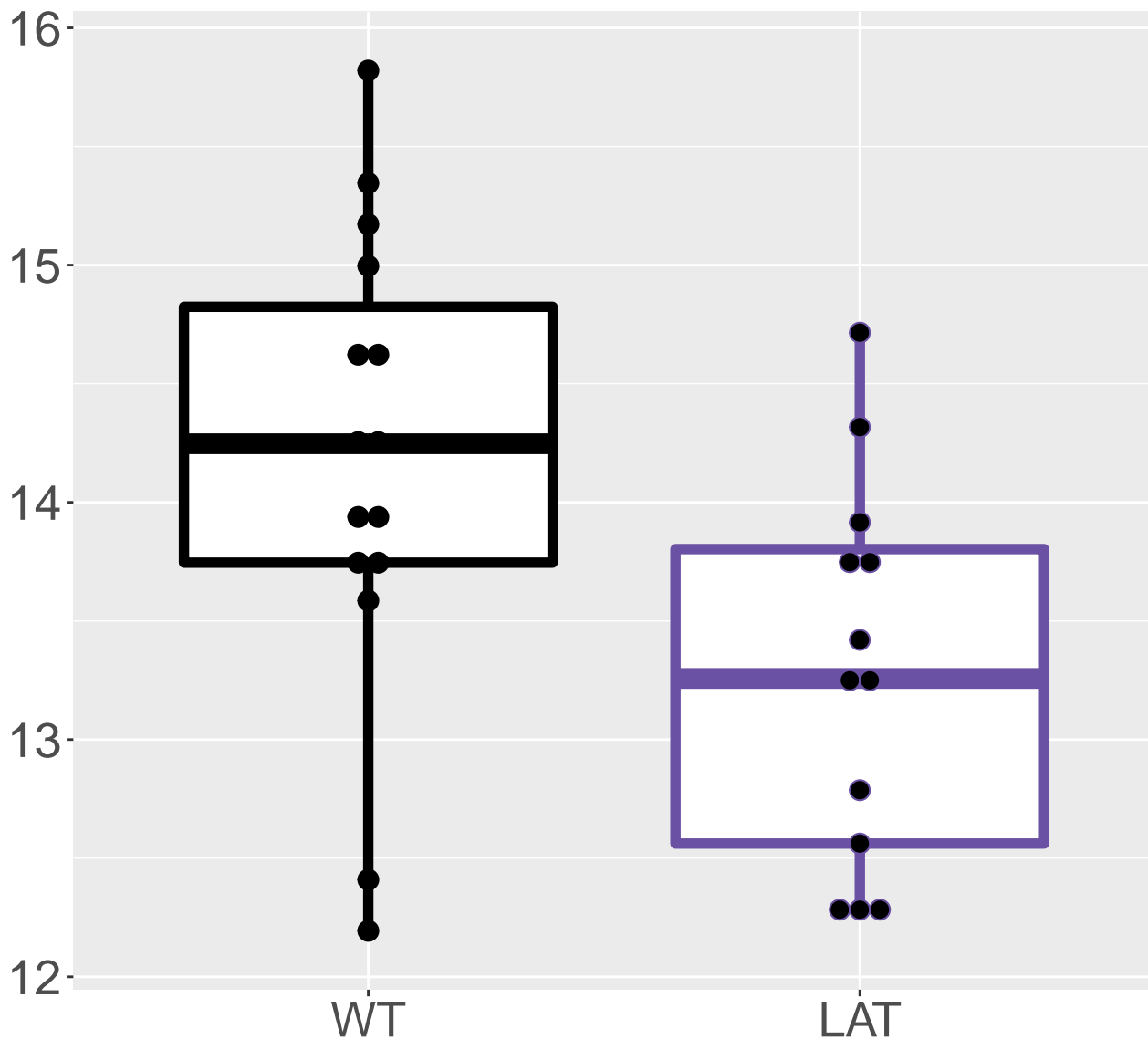
**M350.7057T257.38**

**FDR = 0.011, FC = -0.61**



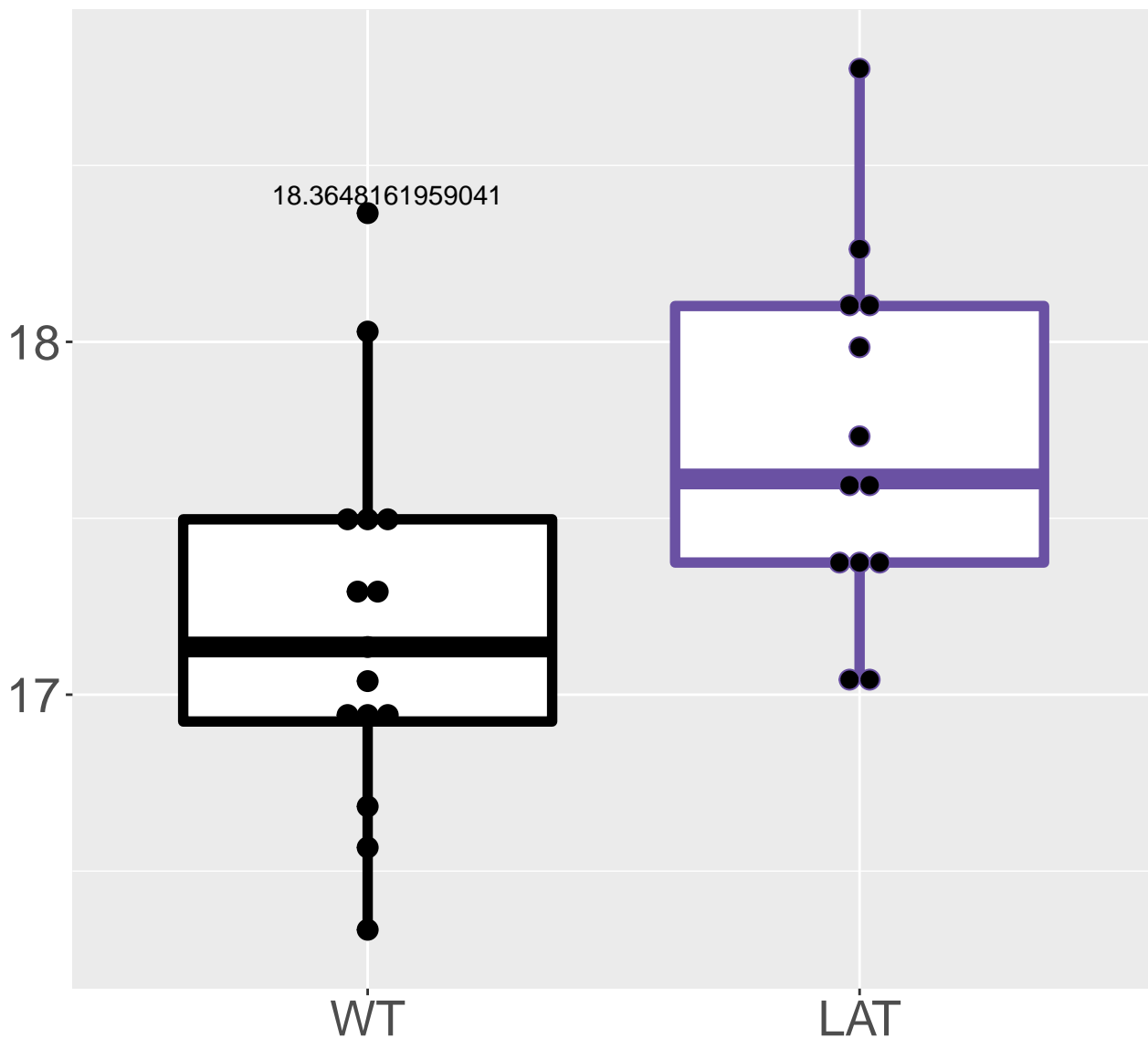
**M195.6115T107.39\_1**

**FDR = 0.011, FC = -0.9, sex\***



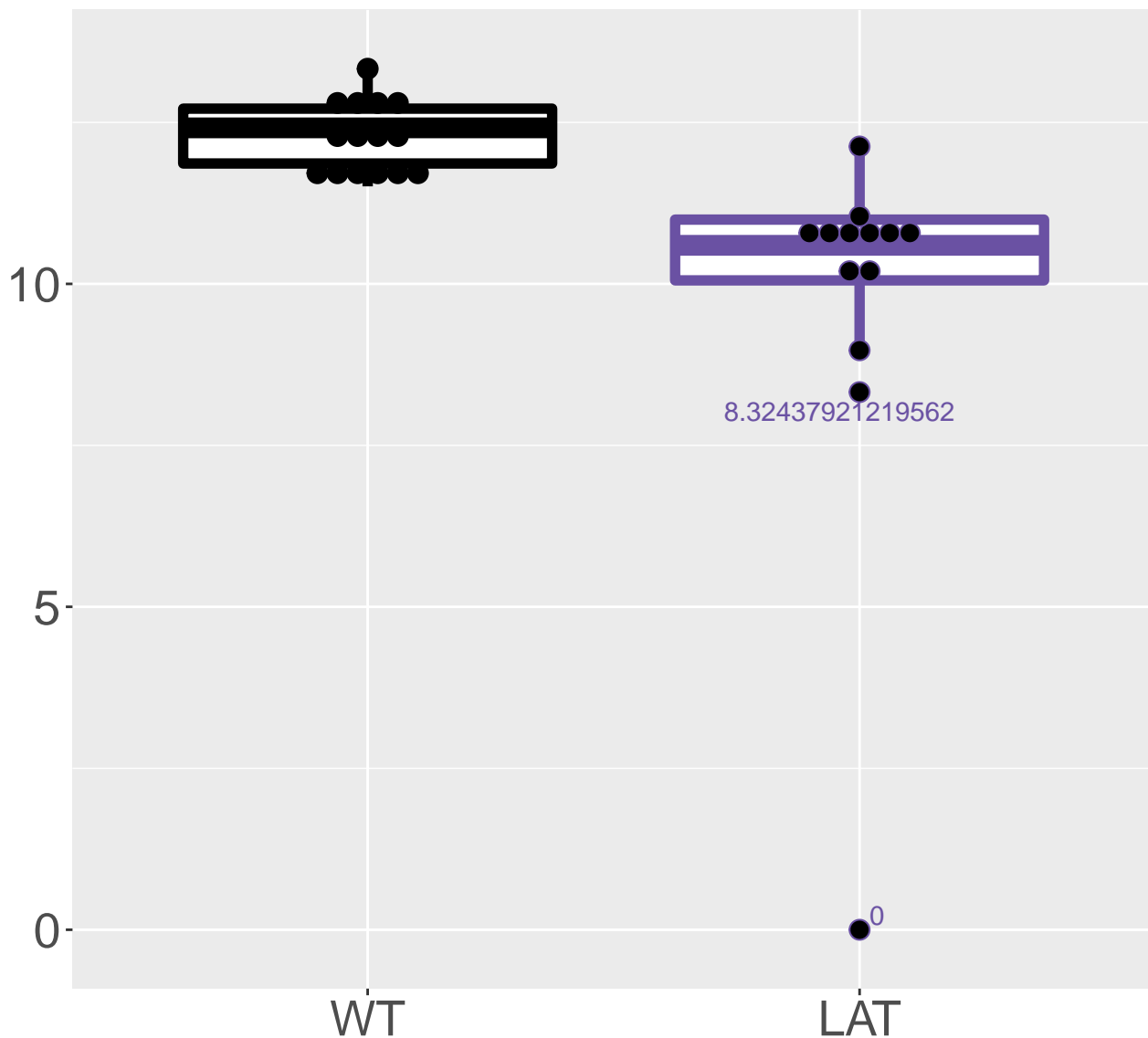
**M679.3565T298.79\_2**

**FDR = 0.011, FC = 0.52, sex\***



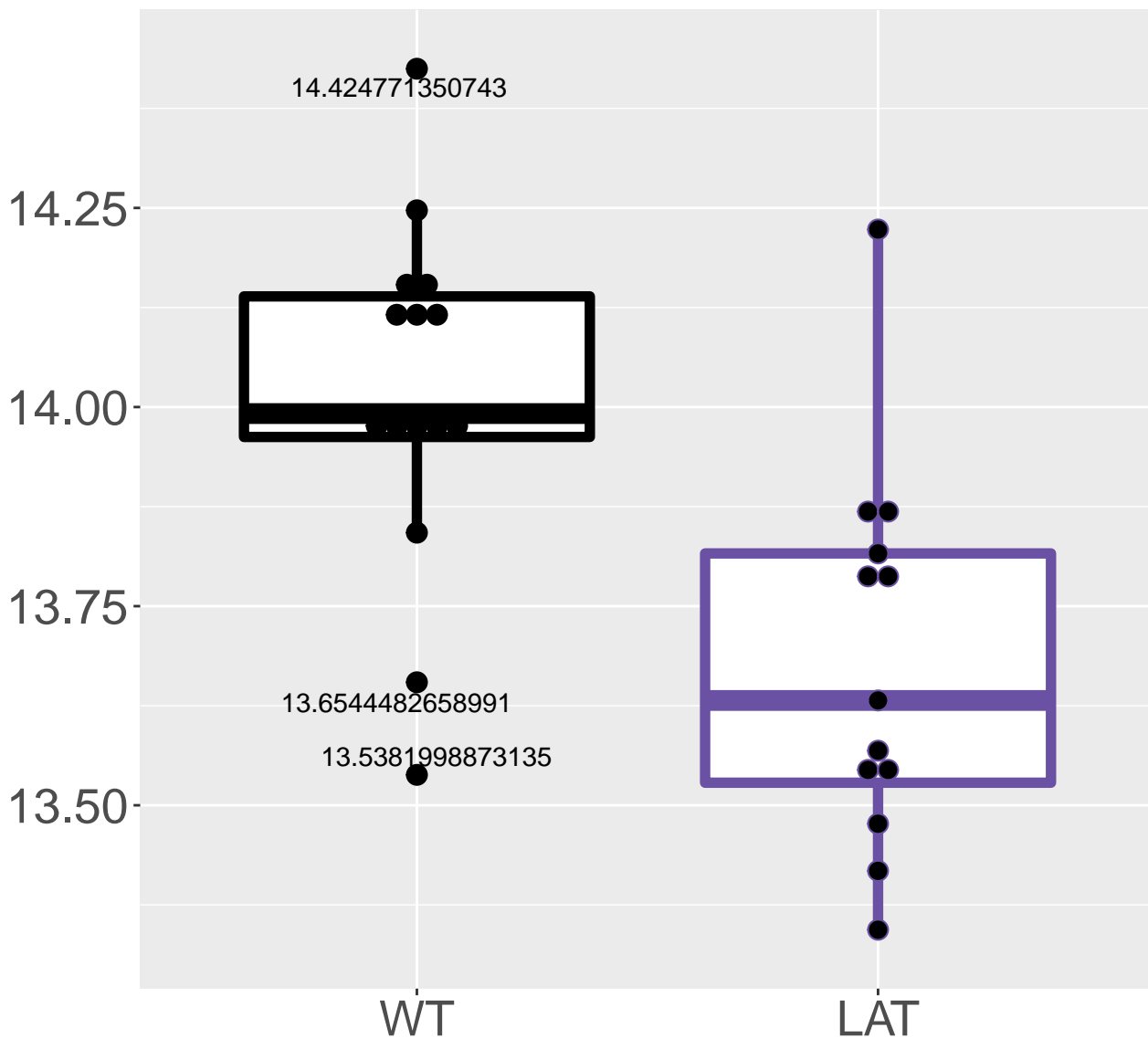
**M382.57T213.11**

**FDR = 0.011, FC = -2.7**





**FDR = 0.011, FC = -0.33**

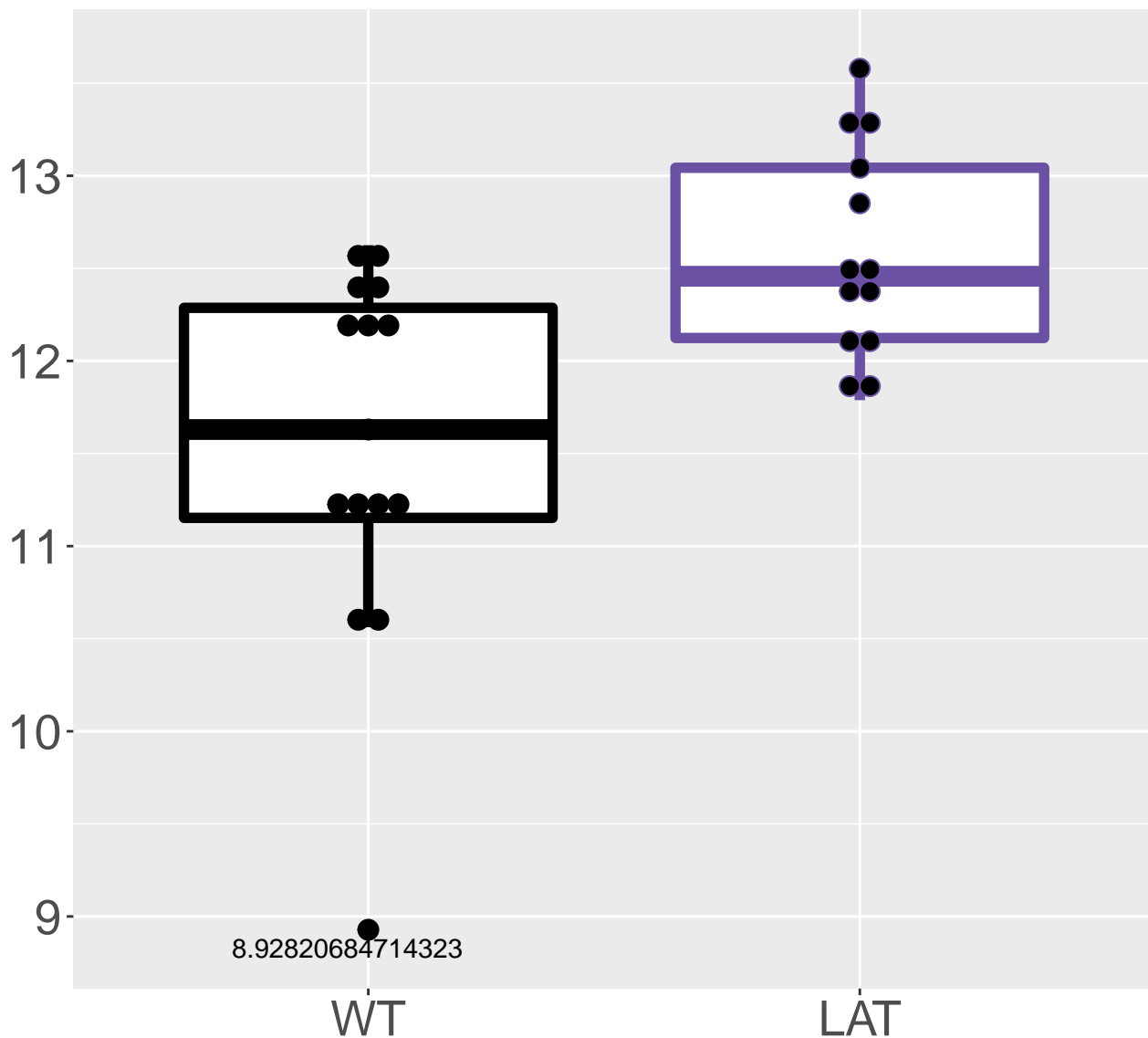


Box plot showing the distribution of the number of cells per field for WT (black box) and LAT (purple box) genotypes. The y-axis represents the number of cells per field, ranging from 10.29 to 14.27. Individual data points are overlaid on the box plots.

Genotype	Median	Q1	Q3	Min	Max	Outliers
WT	14.05	13.85	14.27	13.40	14.27	14.27, 14.17, 14.05, 14.04, 13.85, 13.76, 13.75, 13.74, 13.73, 13.72, 13.71, 13.70, 13.69, 13.68, 13.67, 13.66, 13.65, 13.64, 13.63, 13.62, 13.61, 13.60, 13.59, 13.58, 13.57, 13.56, 13.55, 13.54, 13.53, 13.52, 13.51, 13.50, 13.49, 13.48, 13.47, 13.46, 13.45, 13.44, 13.43, 13.42, 13.41, 13.40
LAT	13.84	13.60	14.00	13.40	14.00	14.27, 14.17, 14.05, 14.04, 13.85, 13.76, 13.75, 13.74, 13.73, 13.72, 13.71, 13.70, 13.69, 13.68, 13.67, 13.66, 13.65, 13.64, 13.63, 13.62, 13.61, 13.60, 13.59, 13.58, 13.57, 13.56, 13.55, 13.54, 13.53, 13.52, 13.51, 13.50, 13.49, 13.48, 13.47, 13.46, 13.45, 13.44, 13.43, 13.42, 13.41, 13.40

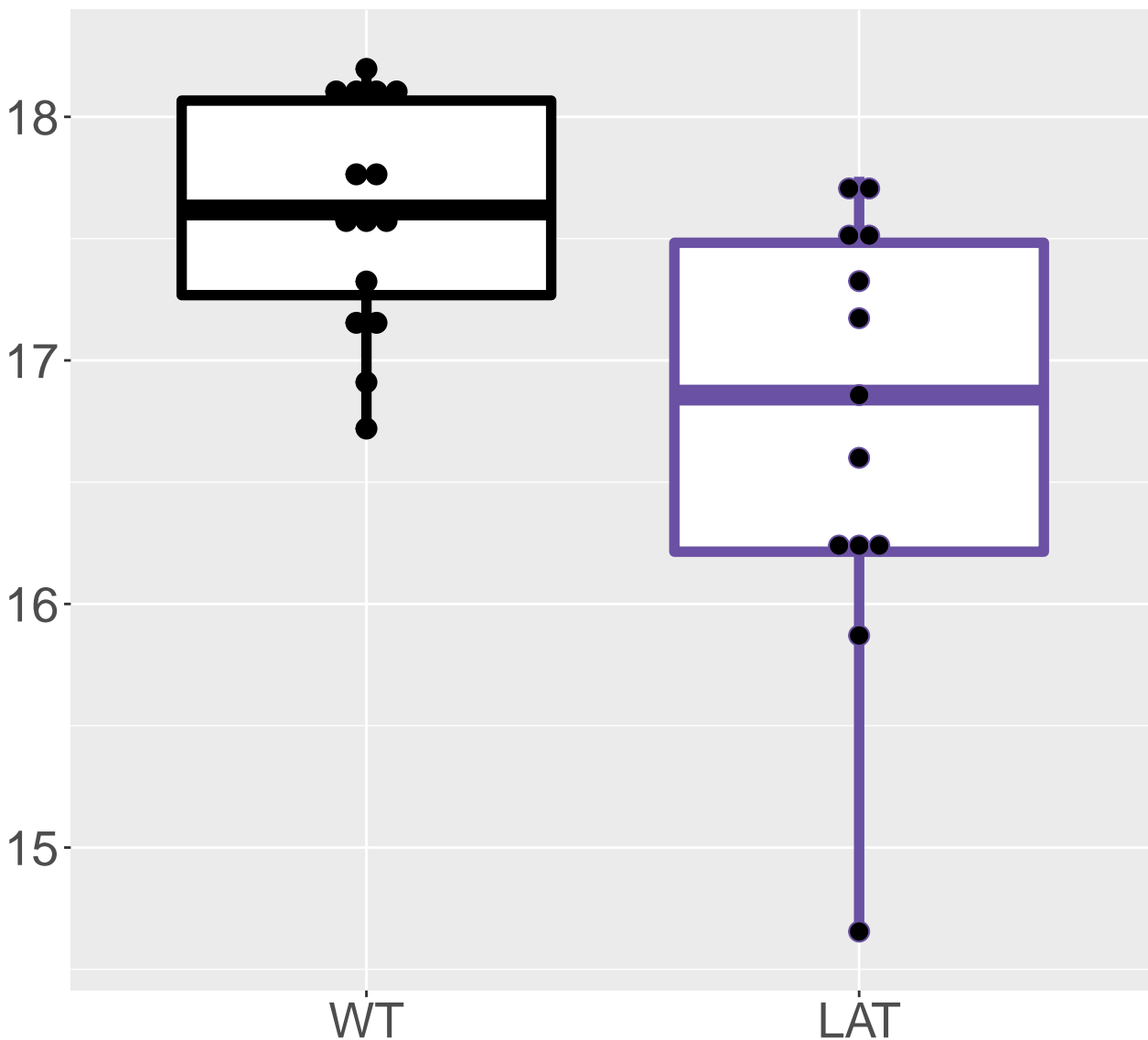
**M399.2136T192.26**

**FDR = 0.011, FC = 1.1**

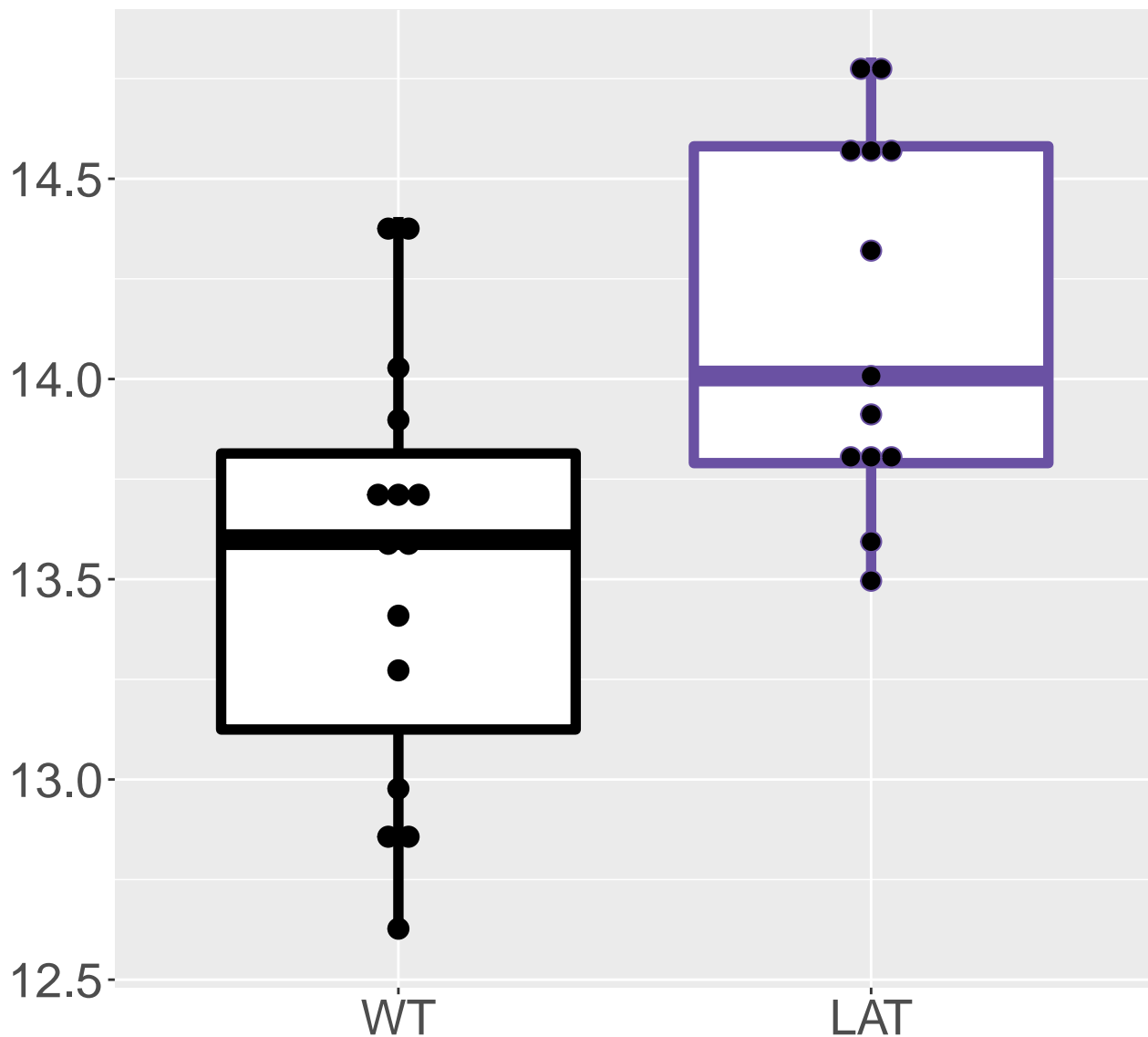


**M175.0024T60.5**

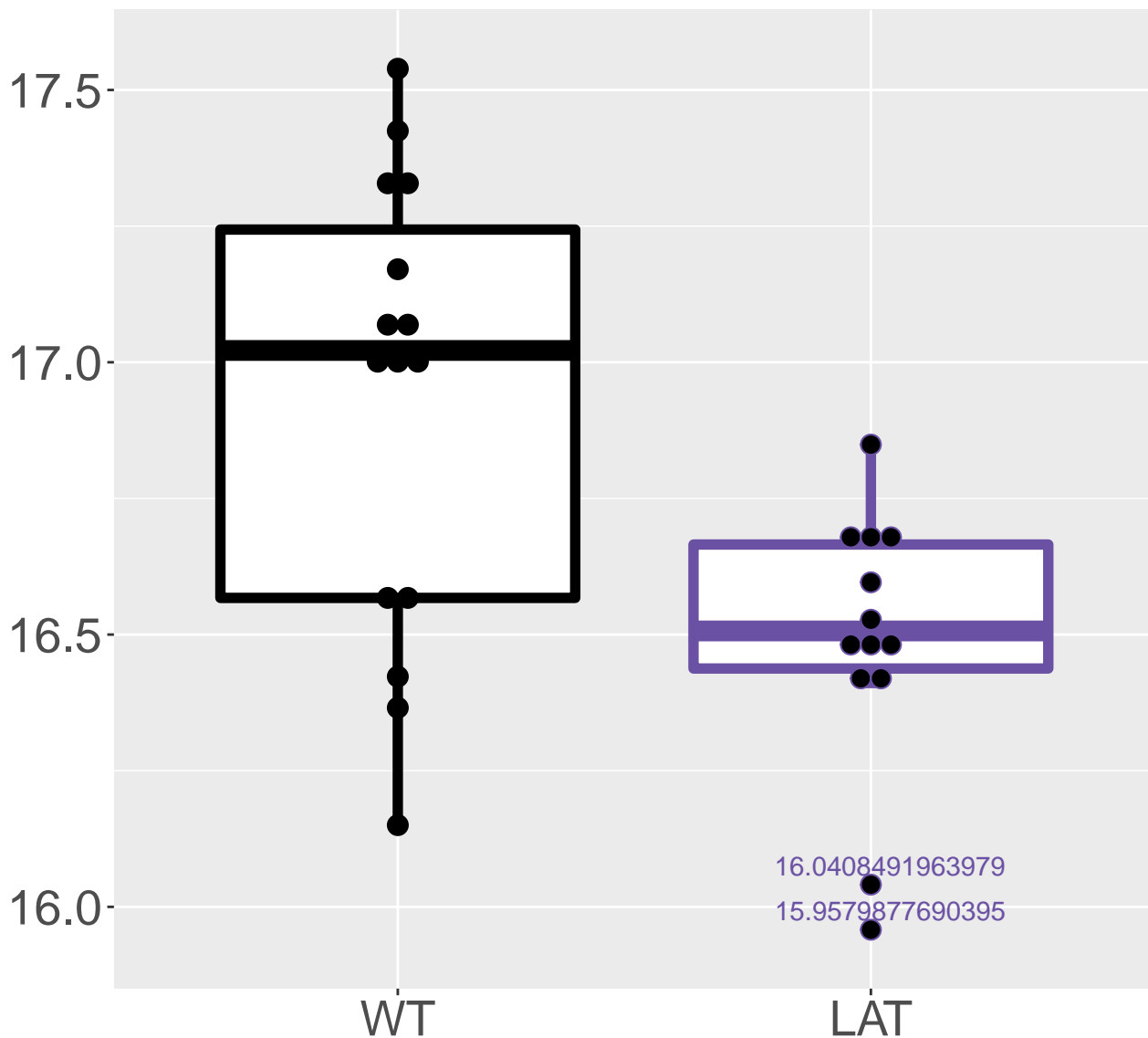
**FDR = 0.011, FC = -0.87**



**M374.0613T99.63\_1**  
**FDR = 0.011, FC = 0.62**

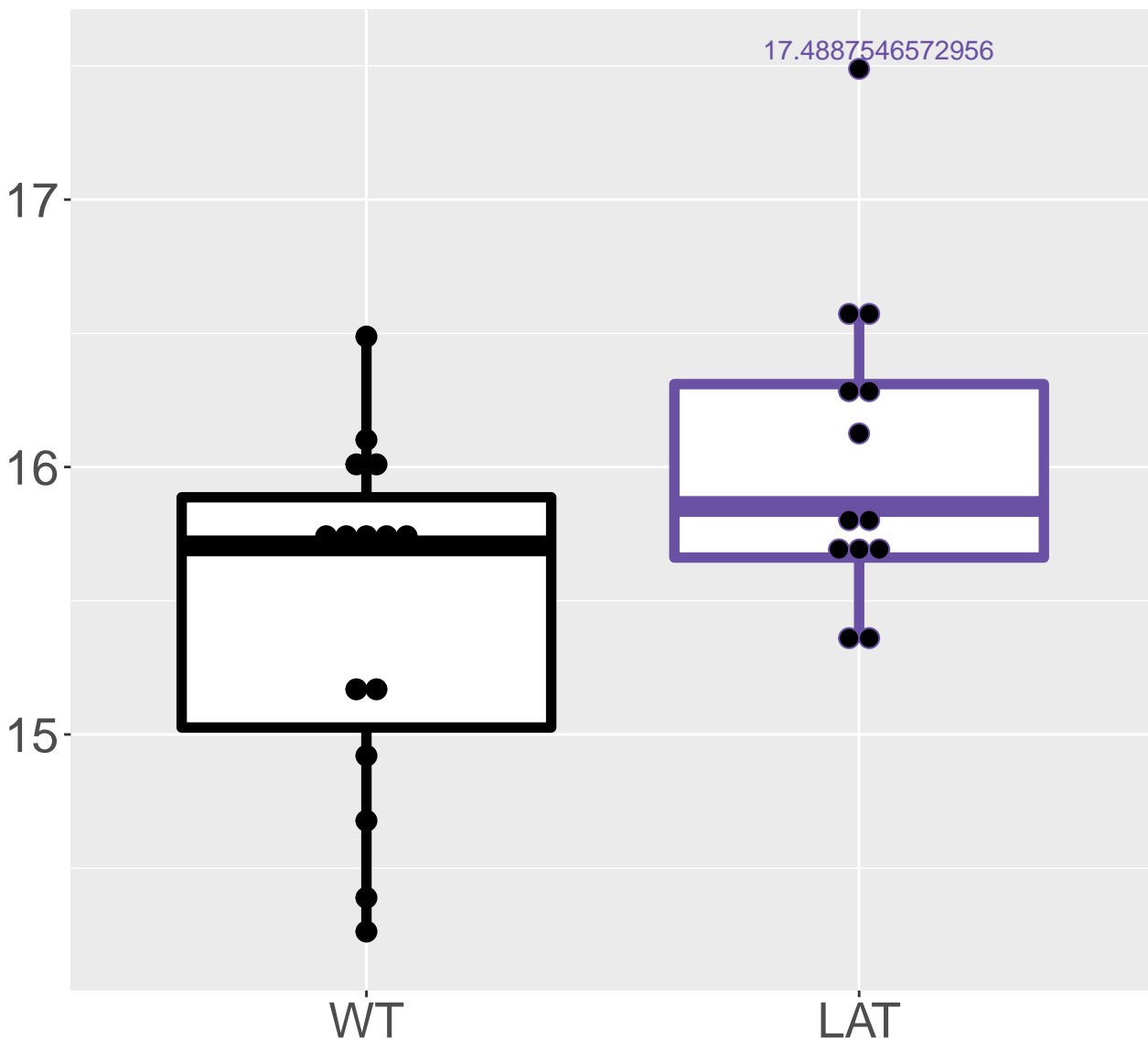


**FDR = 0.011, FC = -0.45**

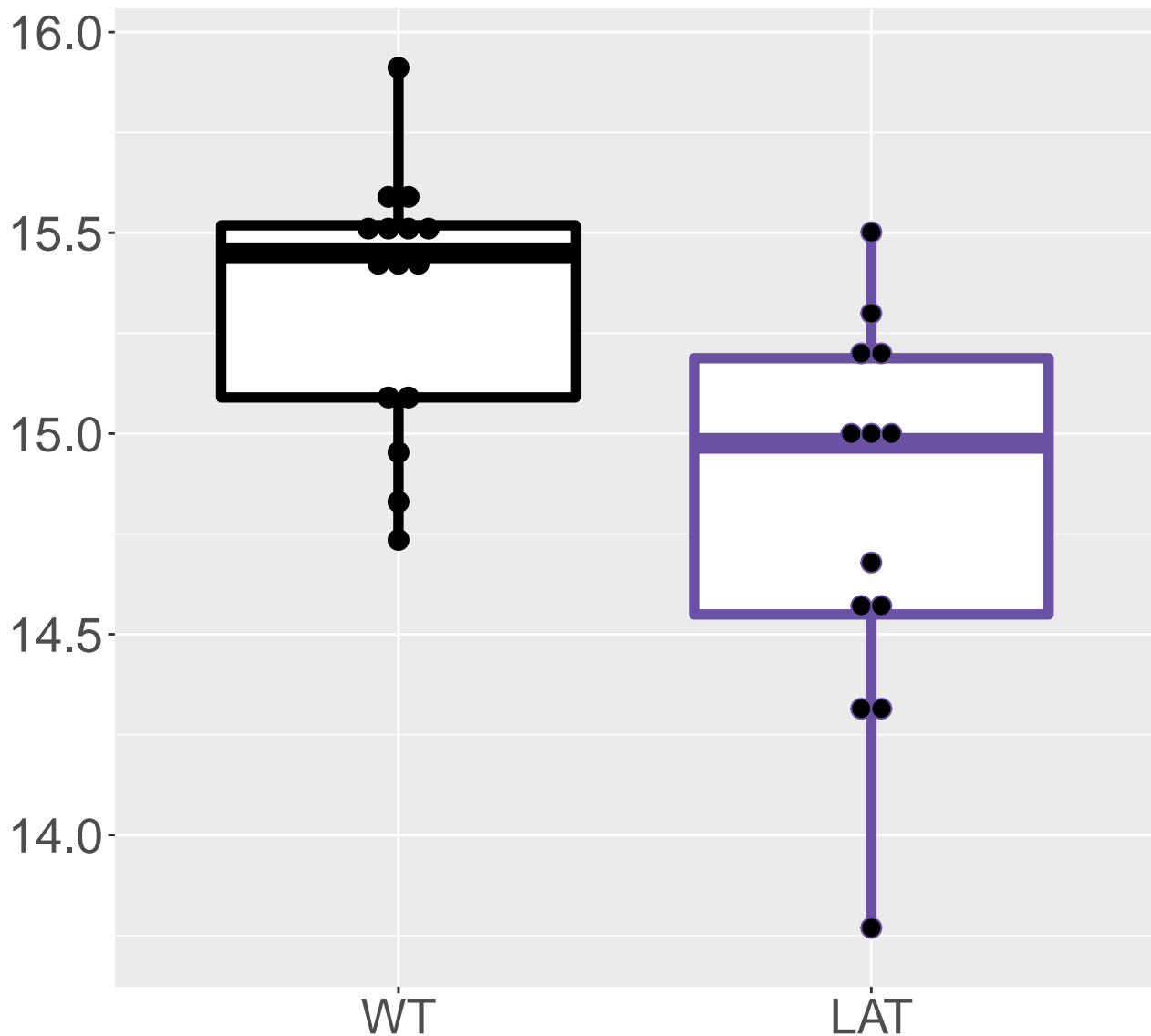


**M327.6402T487.76**

**FDR = 0.011, FC = 0.59, sex\***



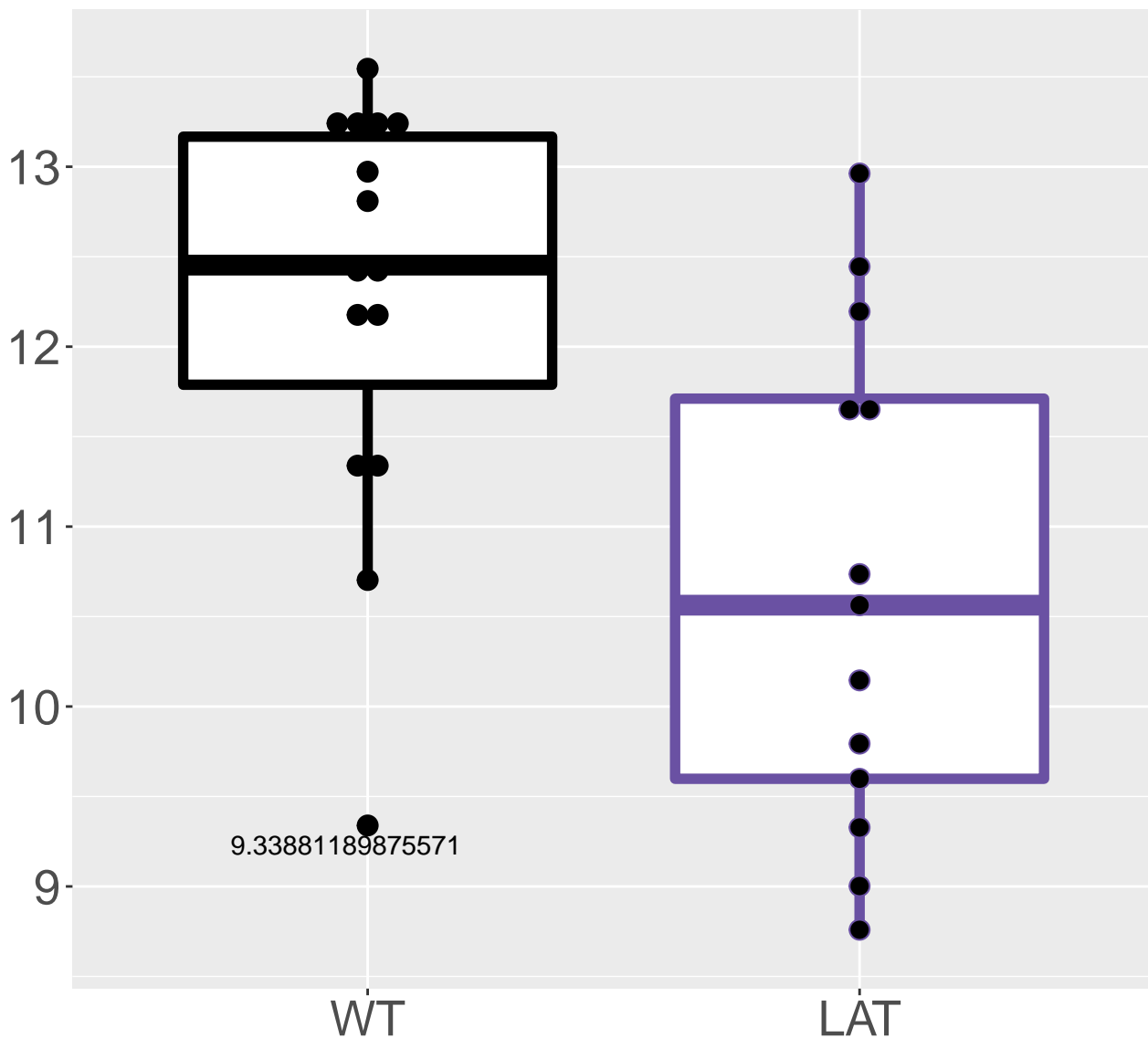
**M155.8262T113.2\_14**  
**FDR = 0.011, FC = -0.54**



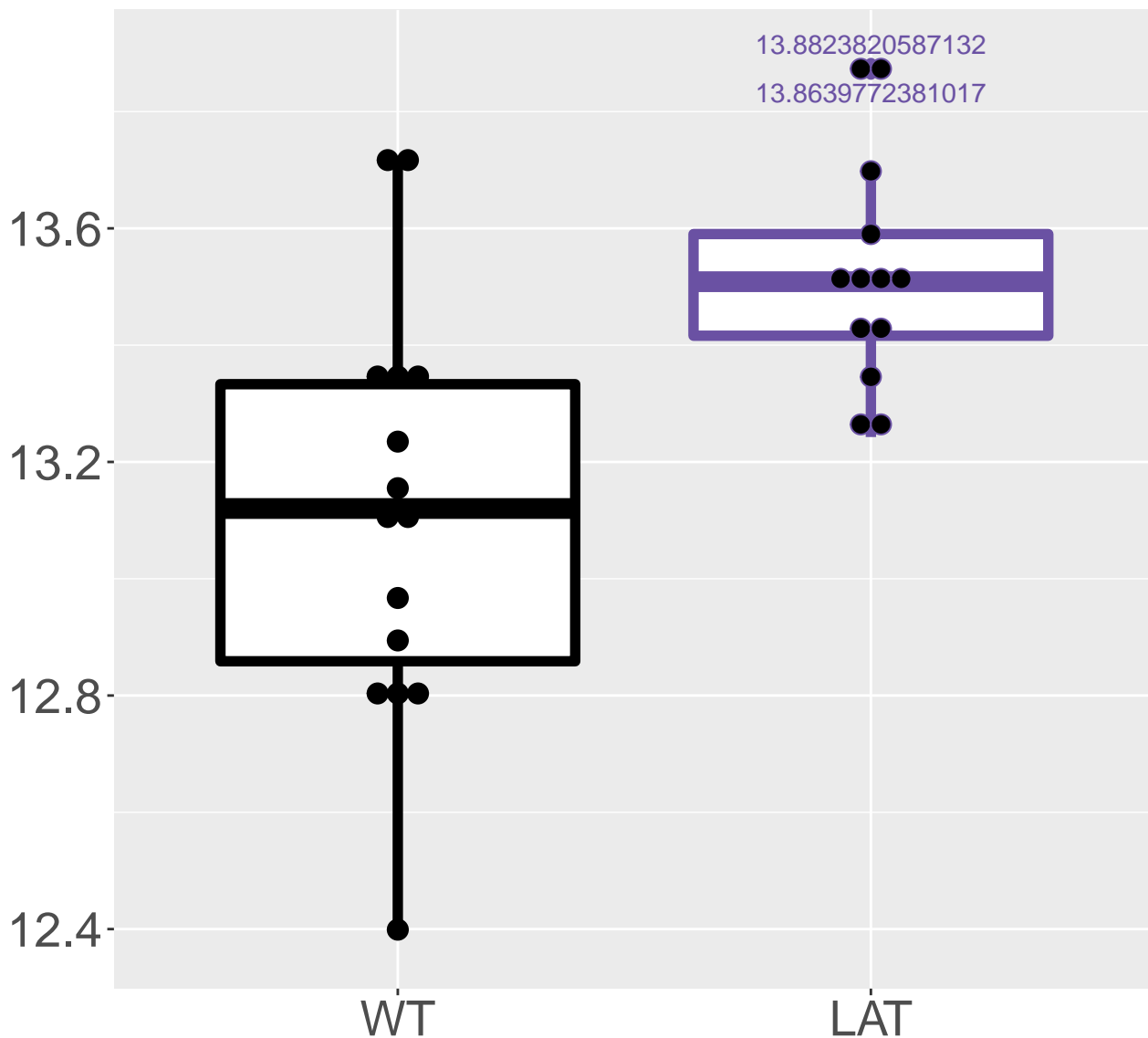


**M552.6164T238.56**

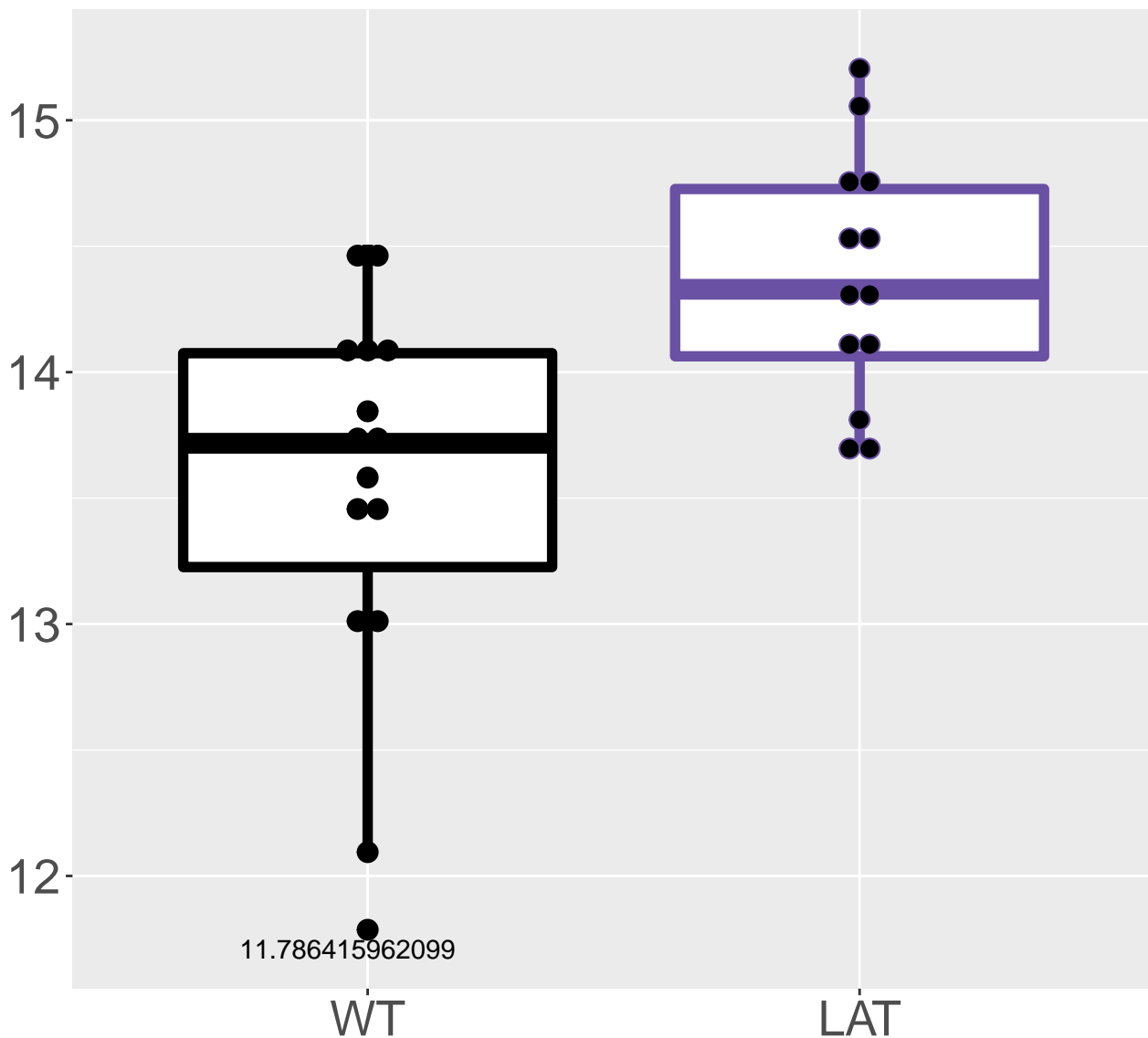
**FDR = 0.011, FC = -1.6**



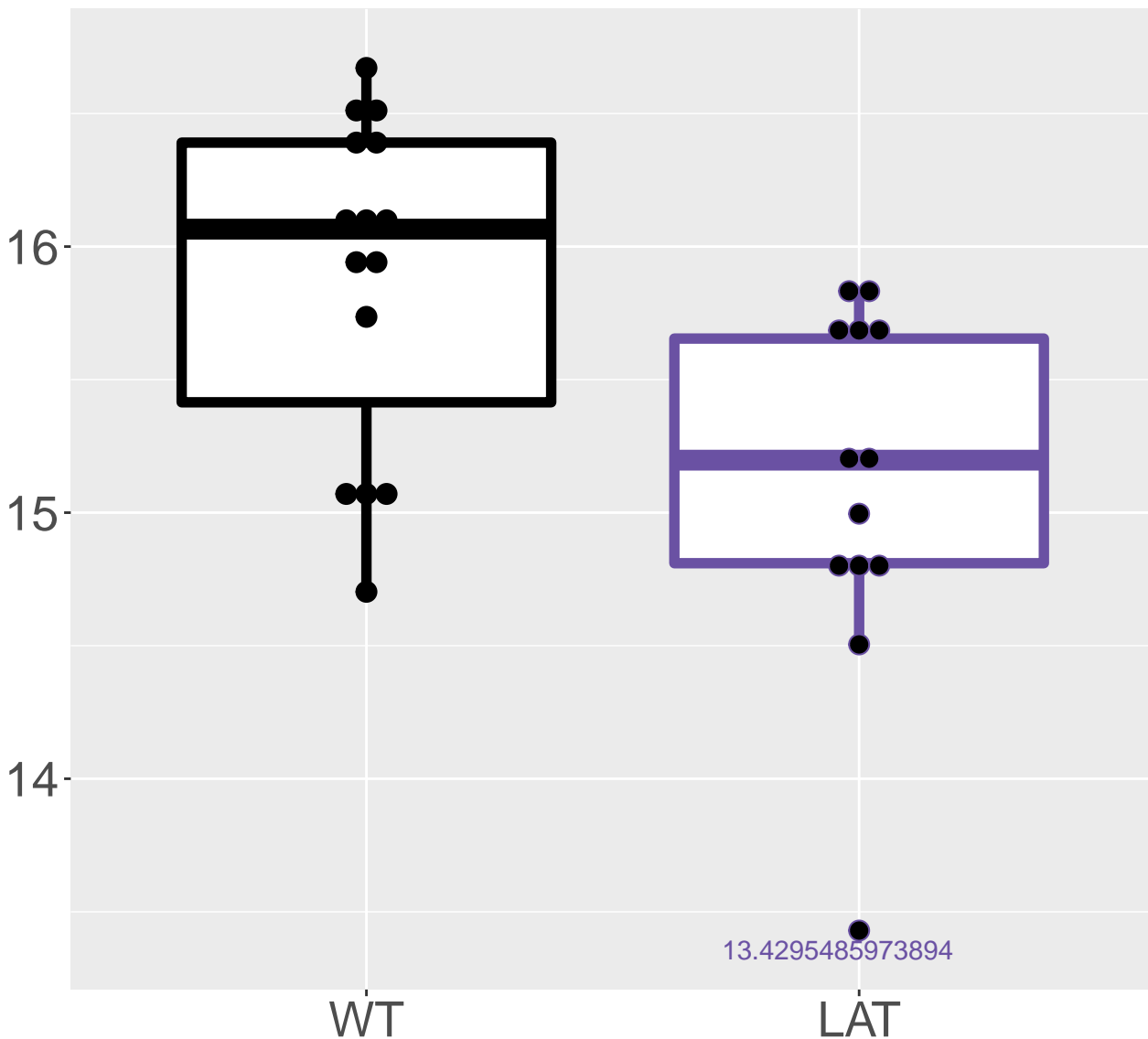
**M437.1508T351.41**  
**FDR = 0.011, FC = 0.41**



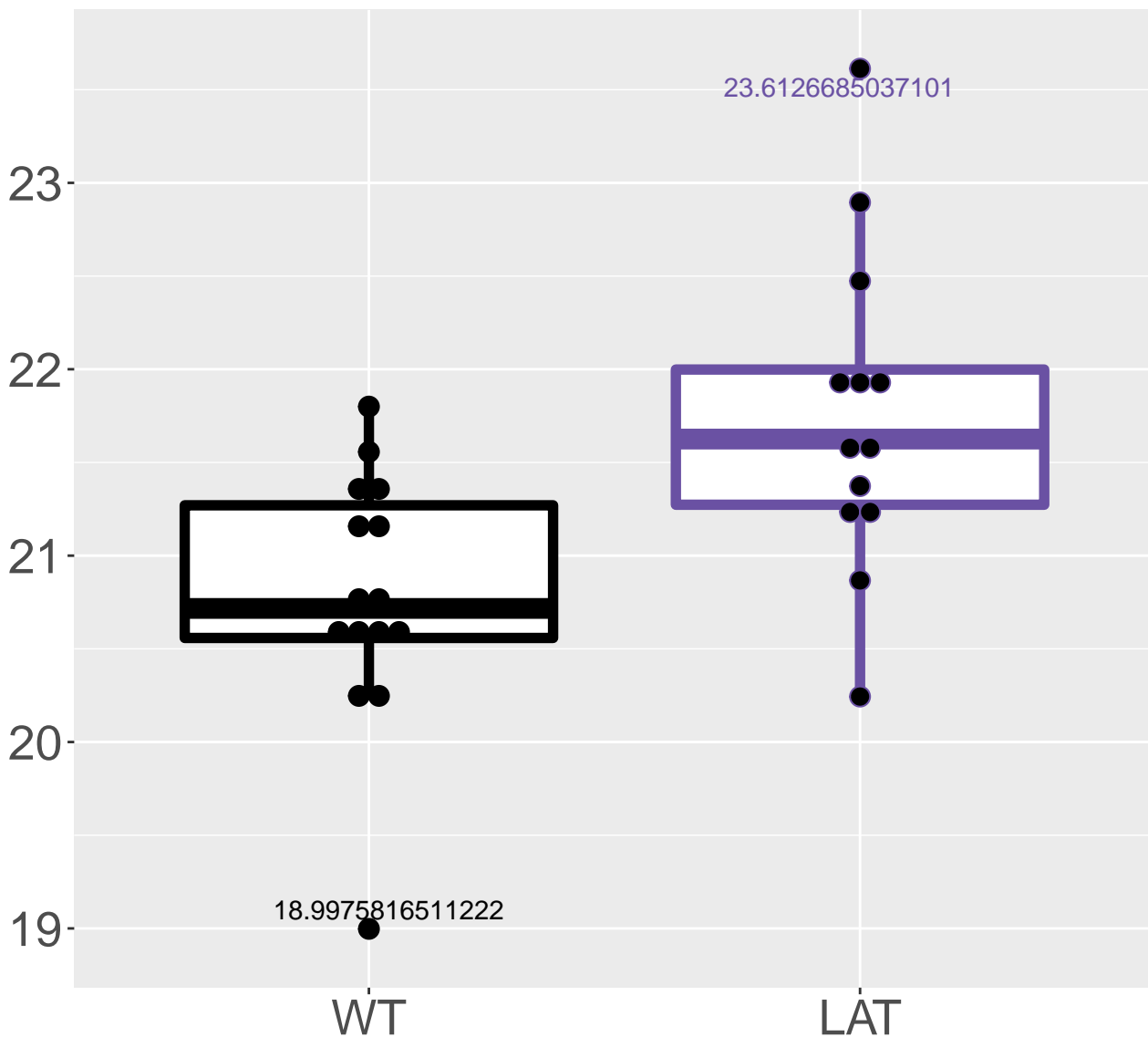
**M543.2986T315.74**  
**FDR = 0.011, FC = 0.85**



**M161.1681T113.23\_36**  
**FDR = 0.011, FC = -0.77**

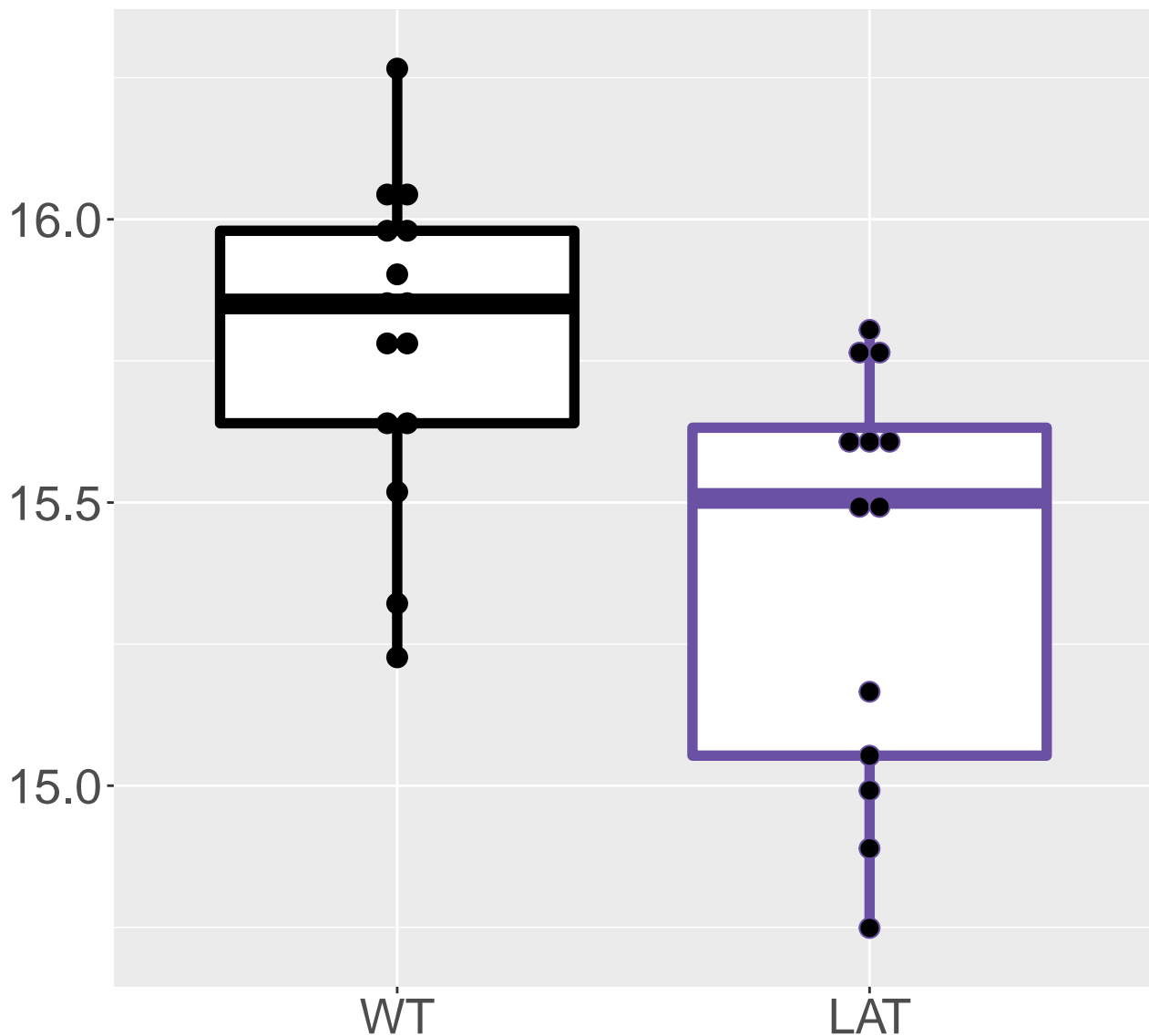


**M514.2841T451.98**  
**FDR = 0.011, FC = 0.98**

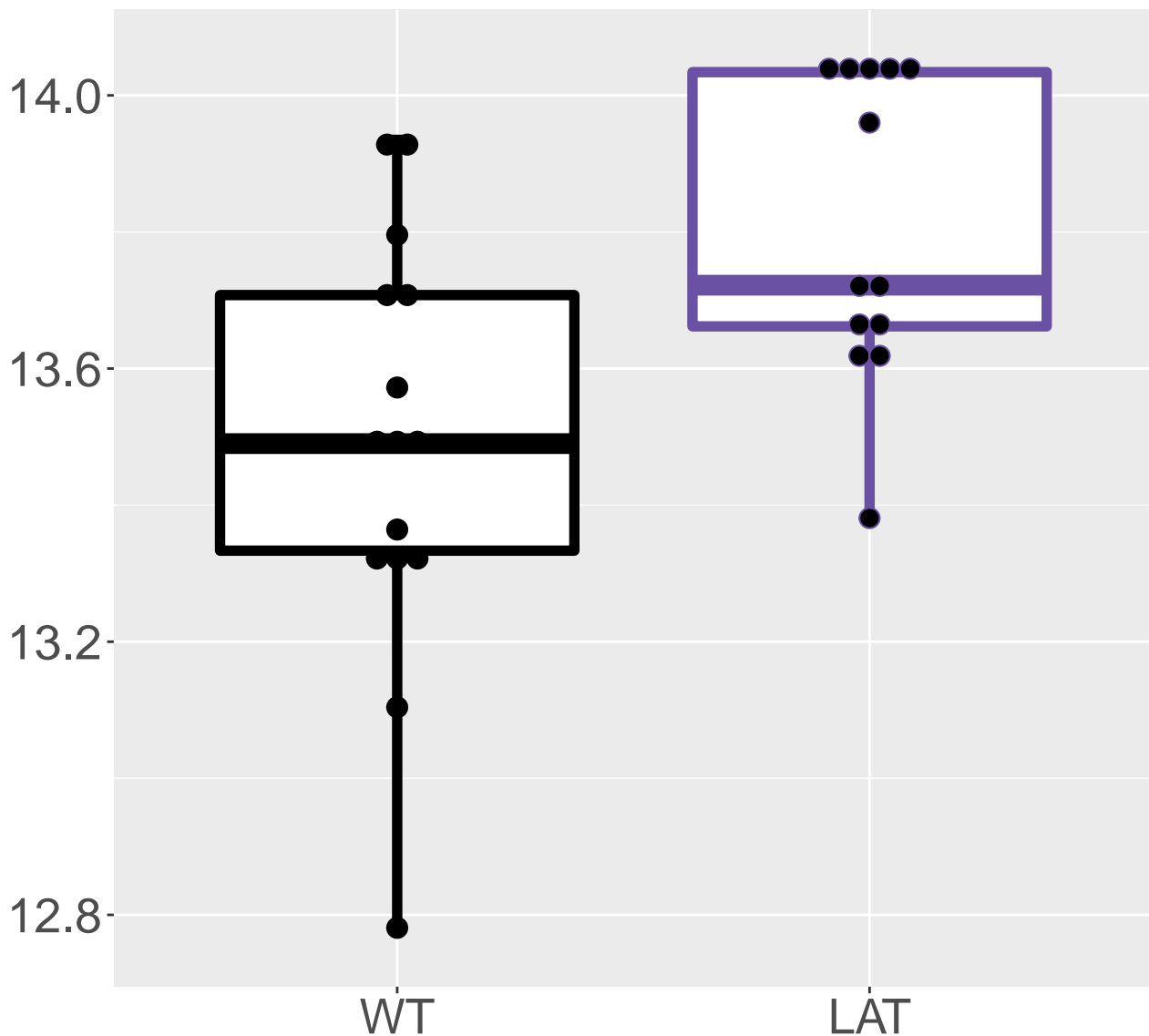


**M225.0237T43.65**

**FDR = 0.011, FC = -0.4, sex\***

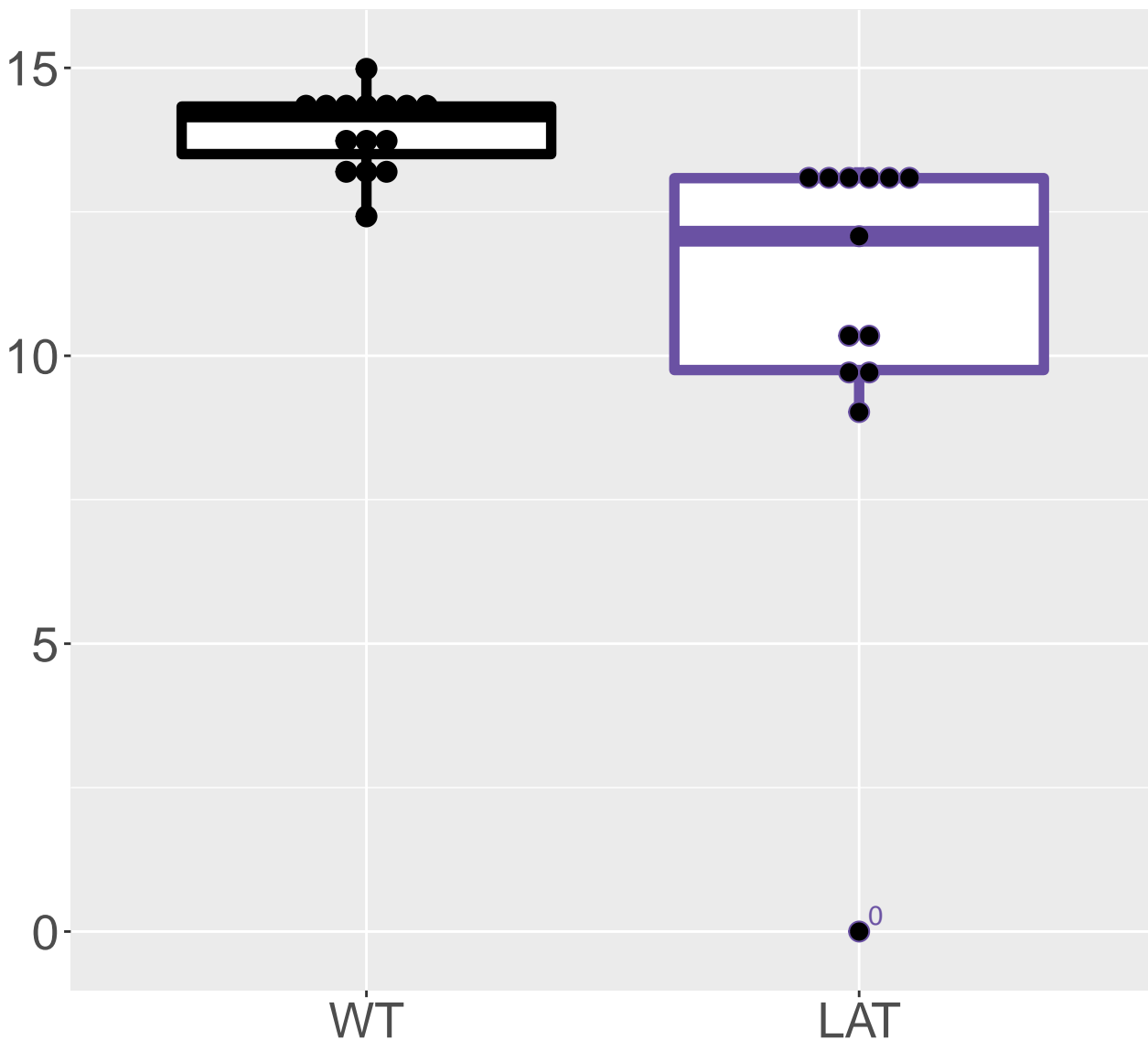


**M350.0771T295.64**  
**FDR = 0.011, FC = 0.32**



**M395.0318T80.32**

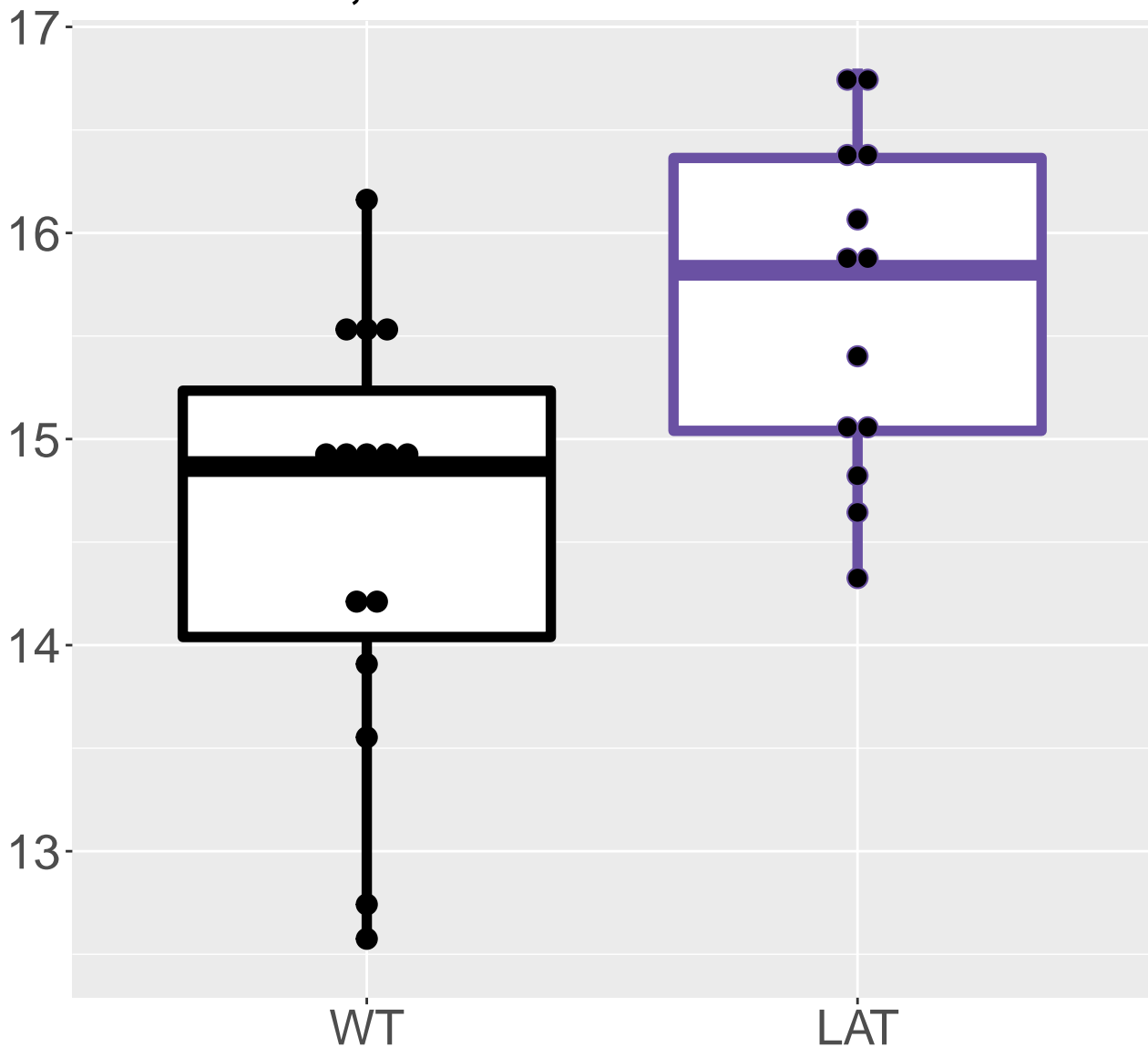
**FDR = 0.011, FC = -3.1**



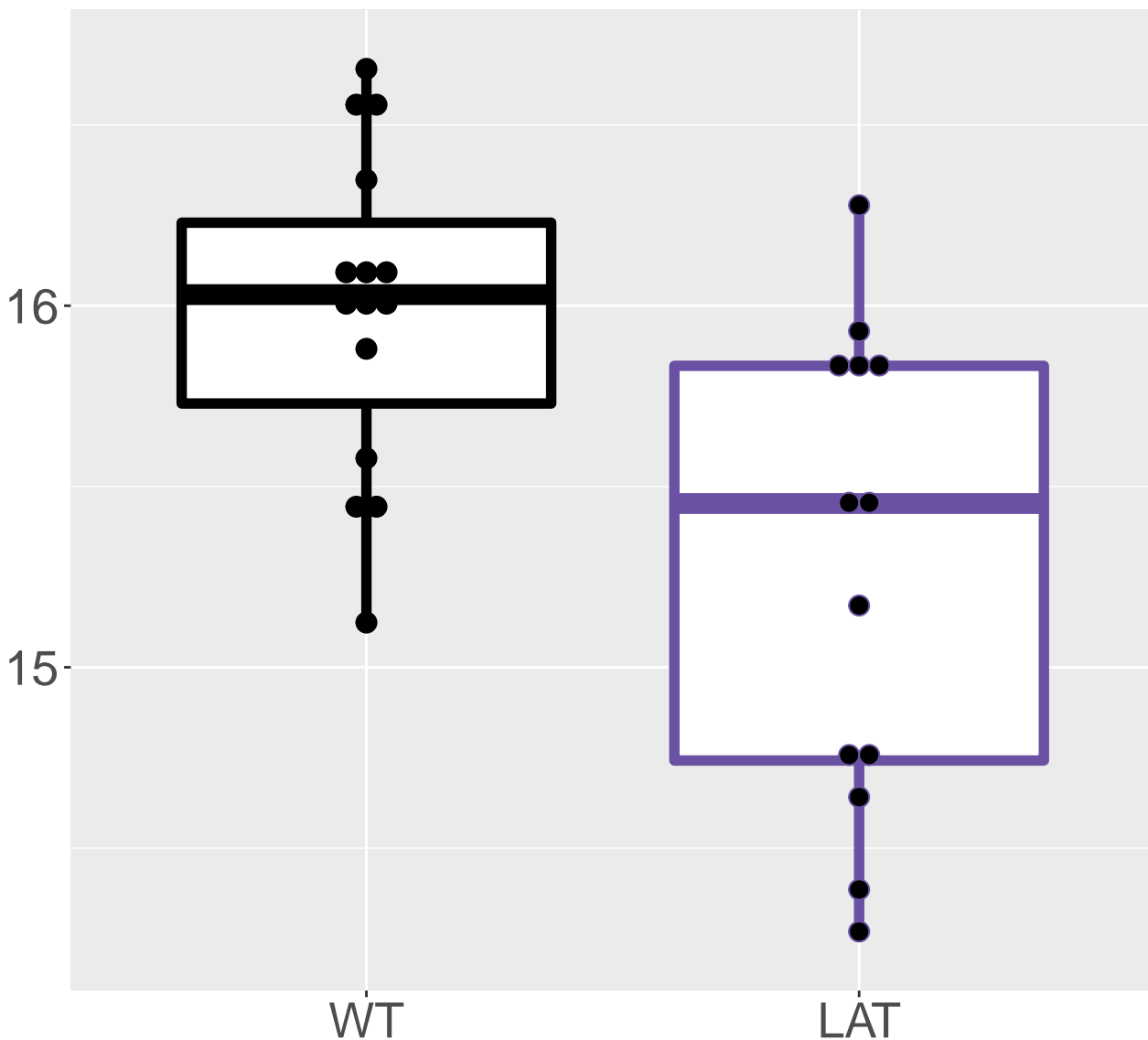


**M374.231T264.76**

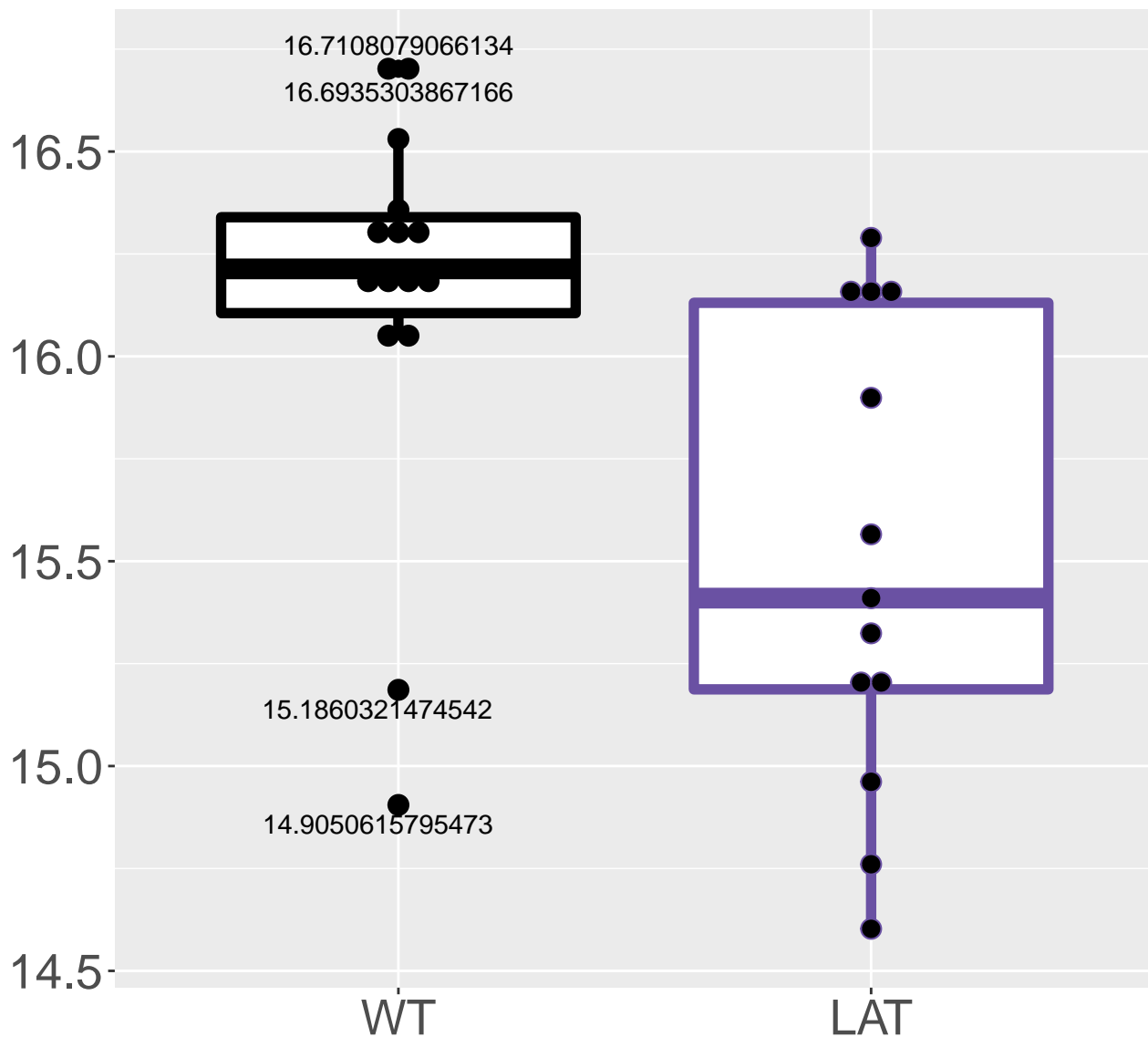
**FDR = 0.011, FC = 1.1**



**M125.9283T75.5\_1**  
**FDR = 0.011, FC = -0.71**

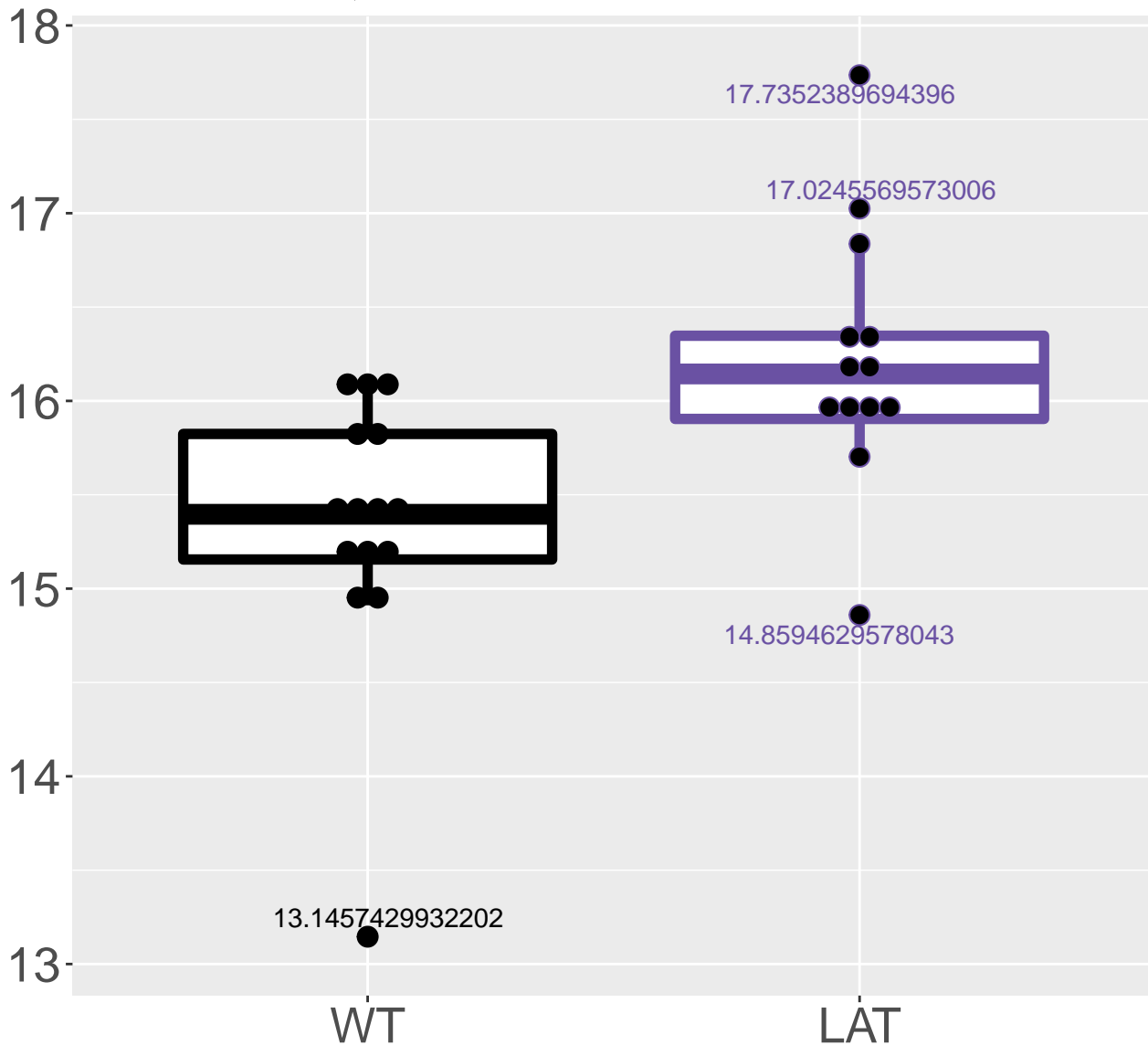


**M163.4625T113.15\_45**  
**FDR = 0.011, FC = -0.63**

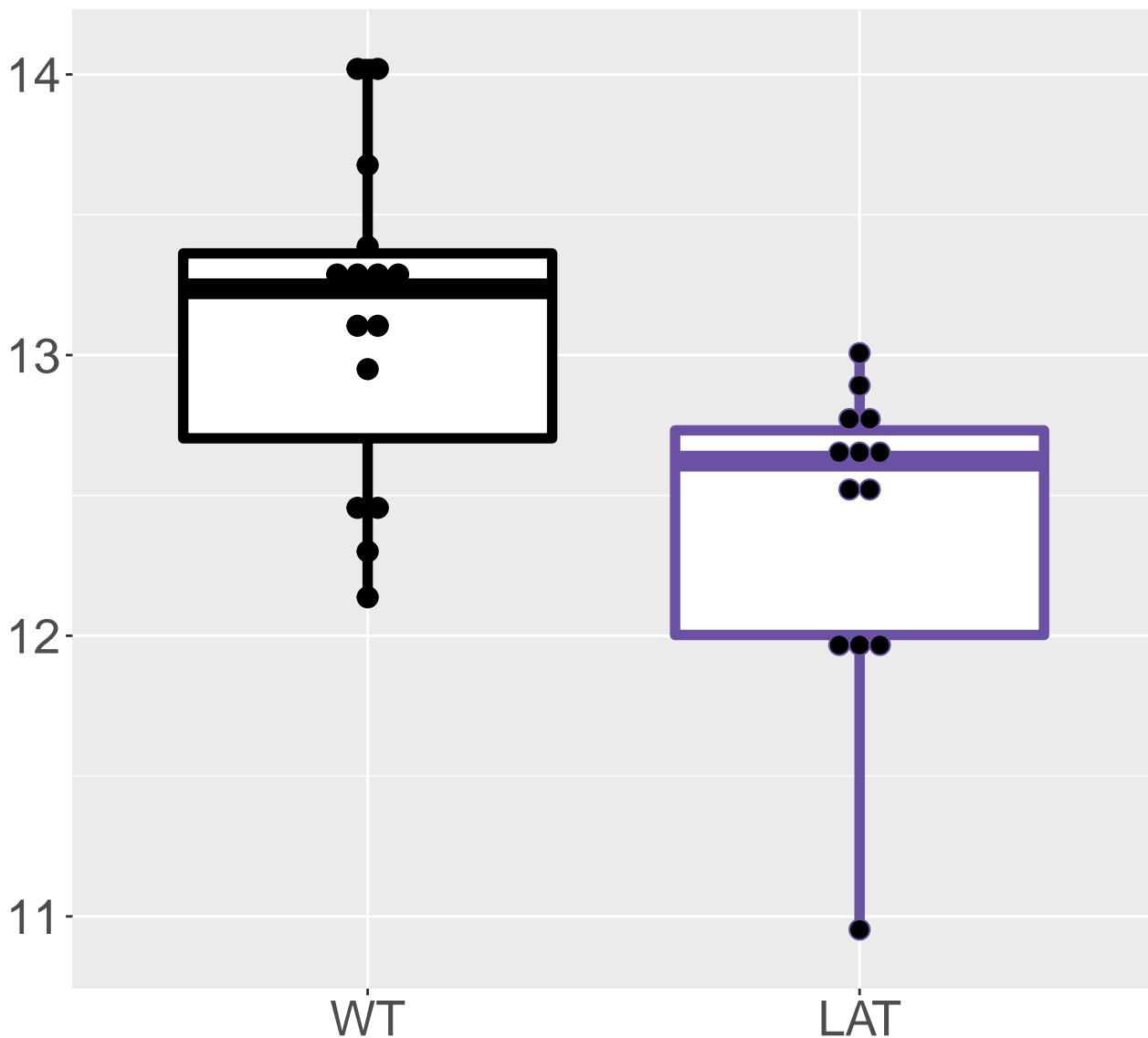


**M537.2692T452.32**

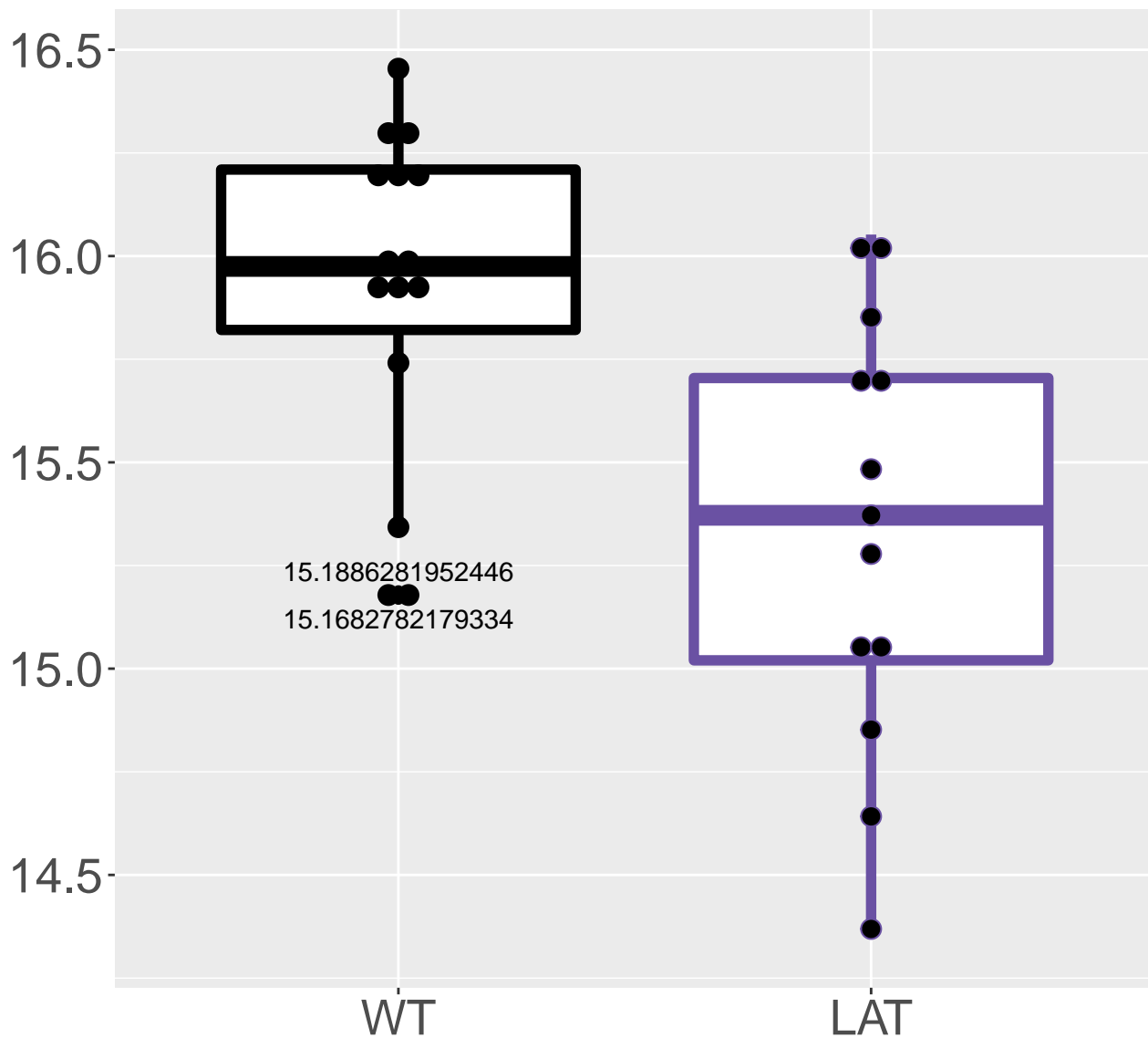
**FDR = 0.012, FC = 0.88**



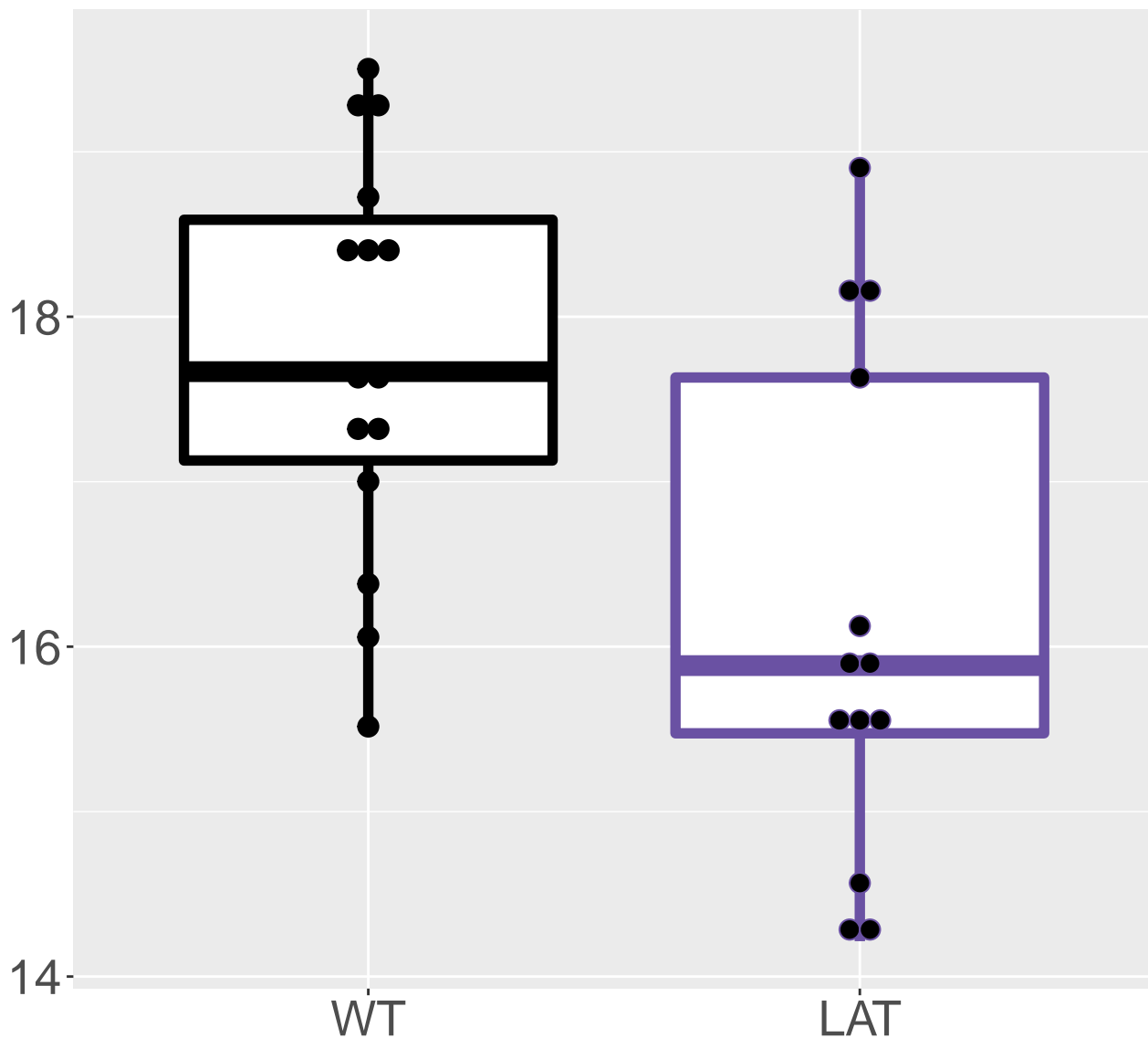
**M388.8925T256.27\_2**  
**FDR = 0.012, FC = -0.71**



**M172.0233T113.22\_17**  
**FDR = 0.012, FC = -0.58**

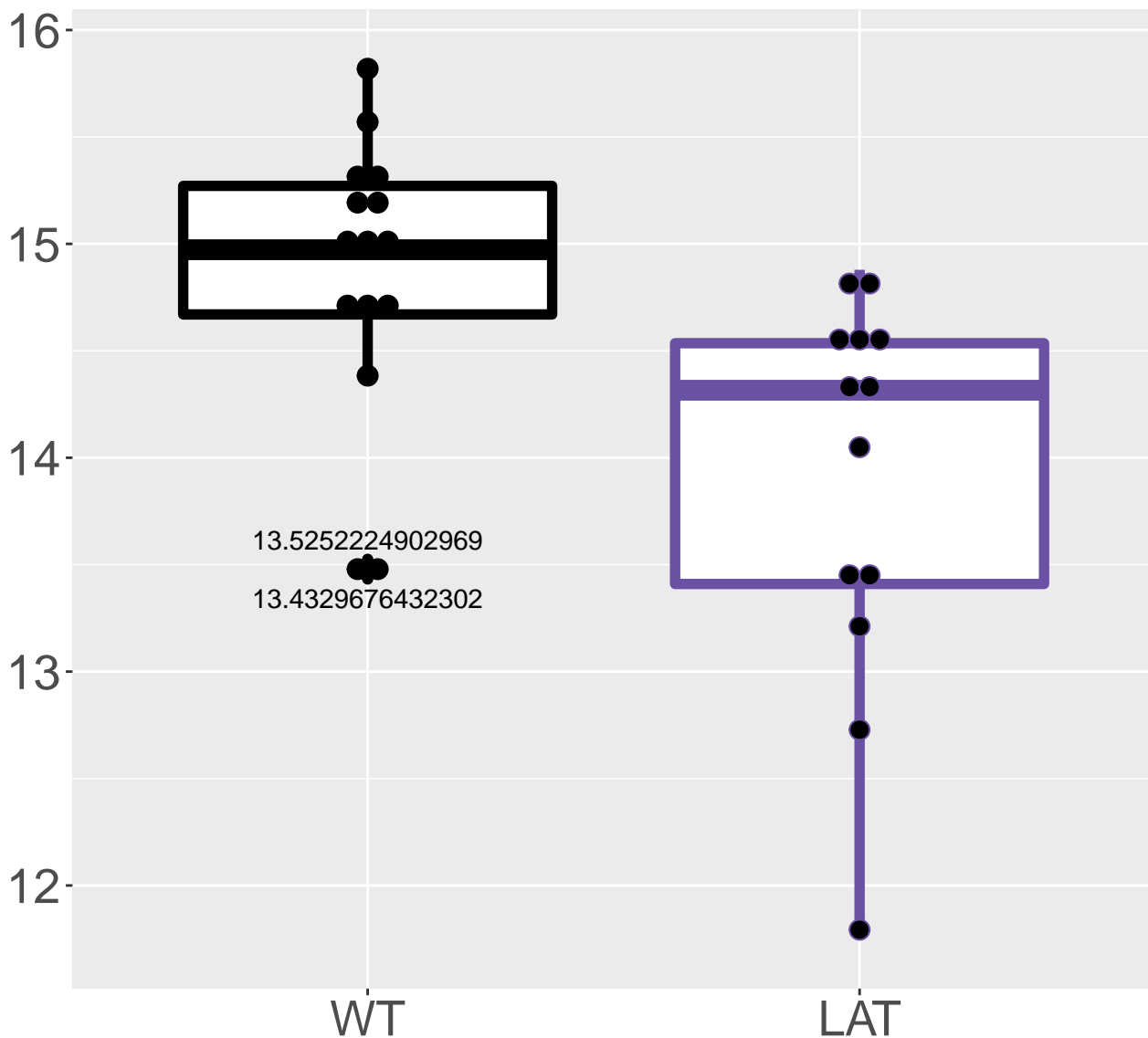


**M267.1349T230.1**  
**FDR = 0.012, FC = -1.6**



**M497.9511T306.59**

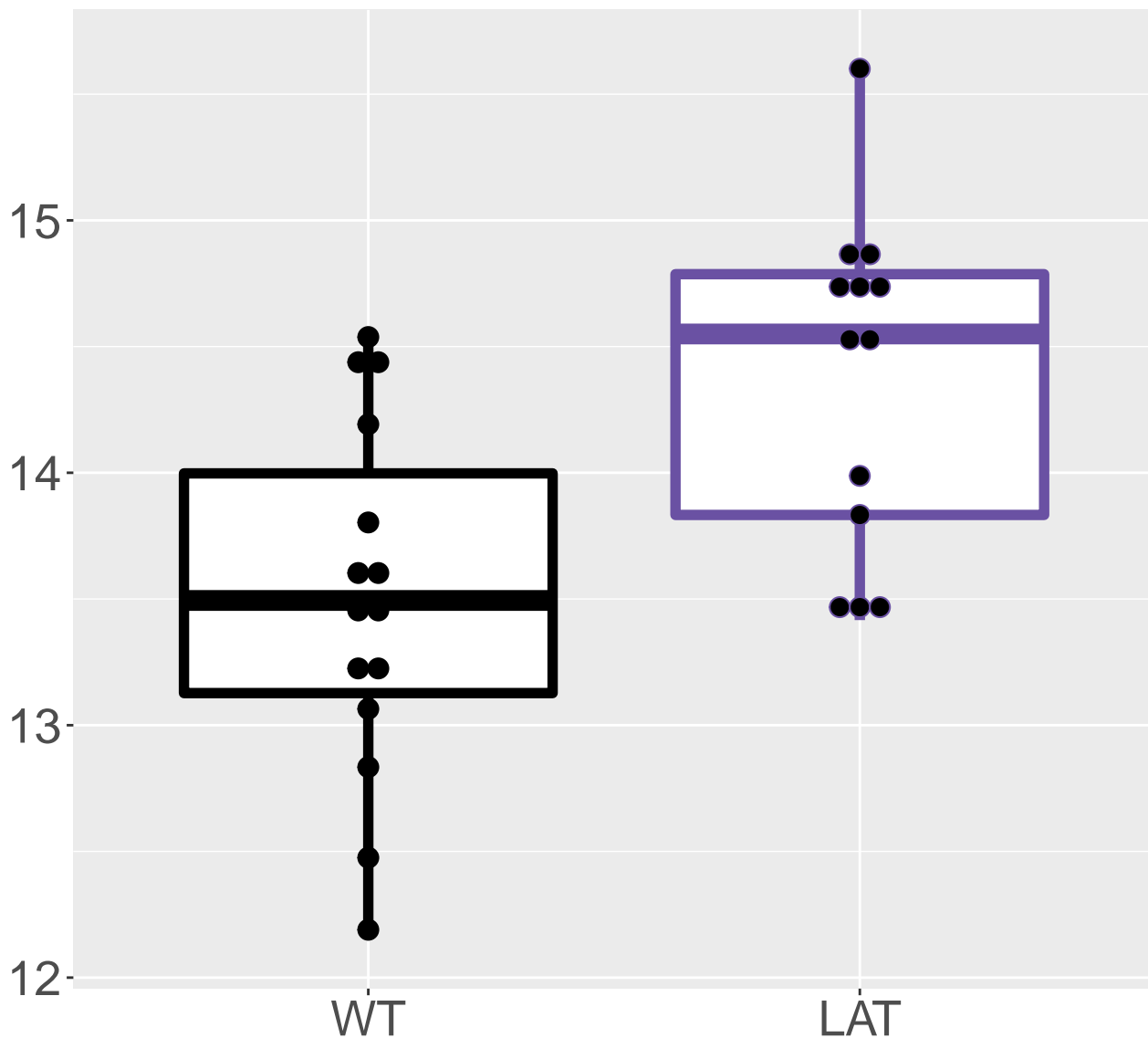
**FDR = 0.012, FC = -0.96**



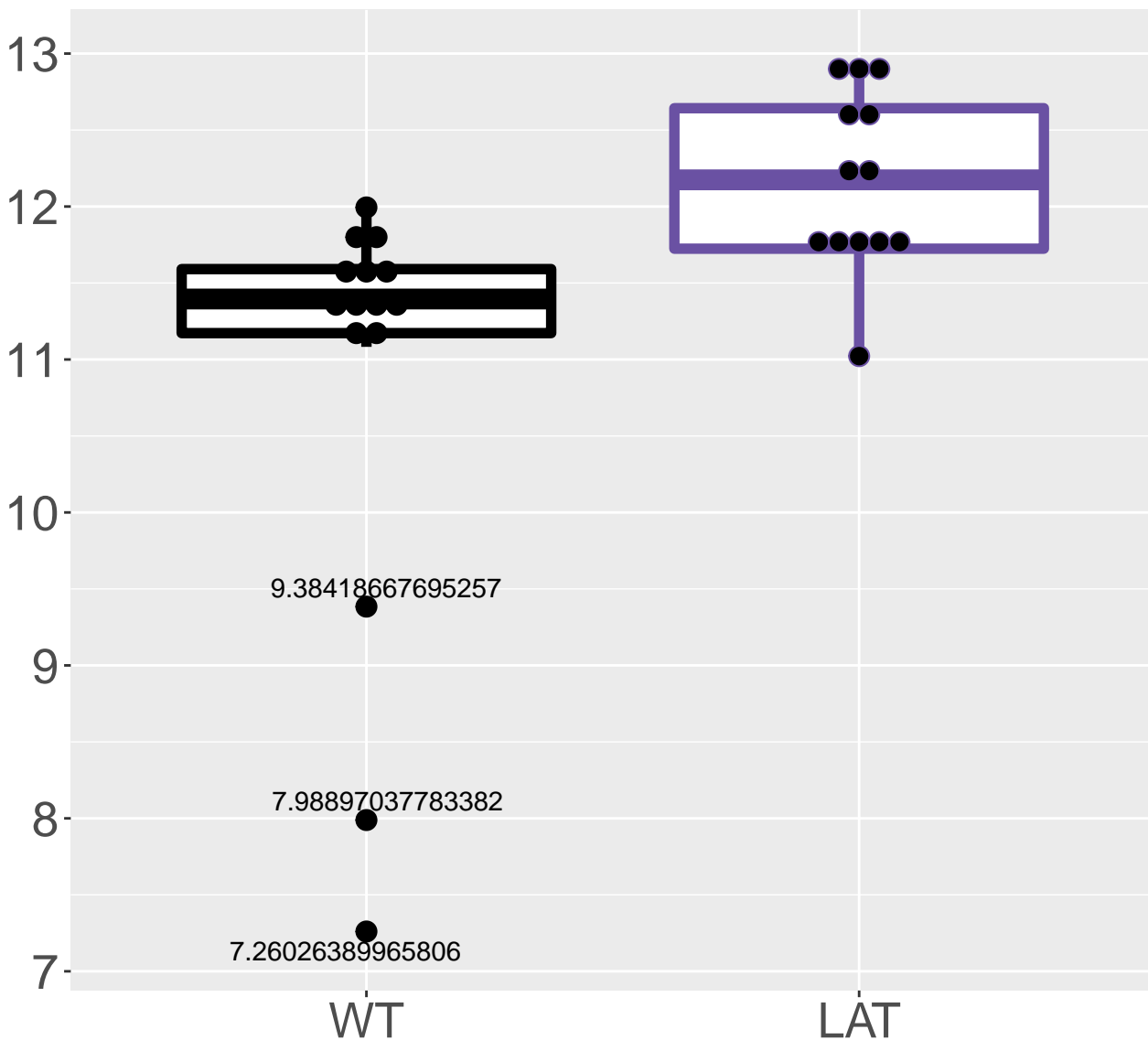


**M434.089T150.9**

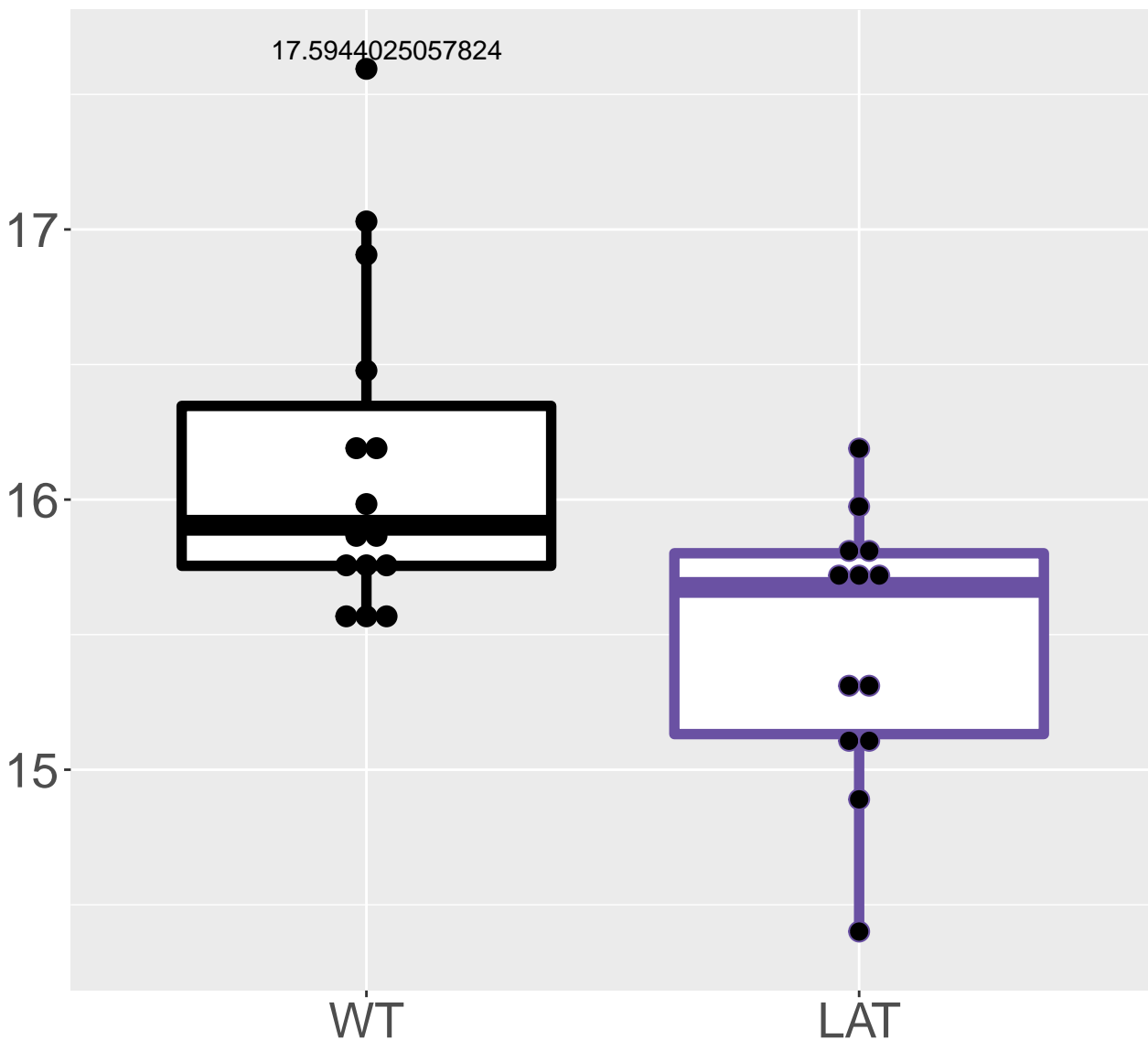
**FDR = 0.012, FC = 0.87**



**FDR = 0.012, FC = 1.3**

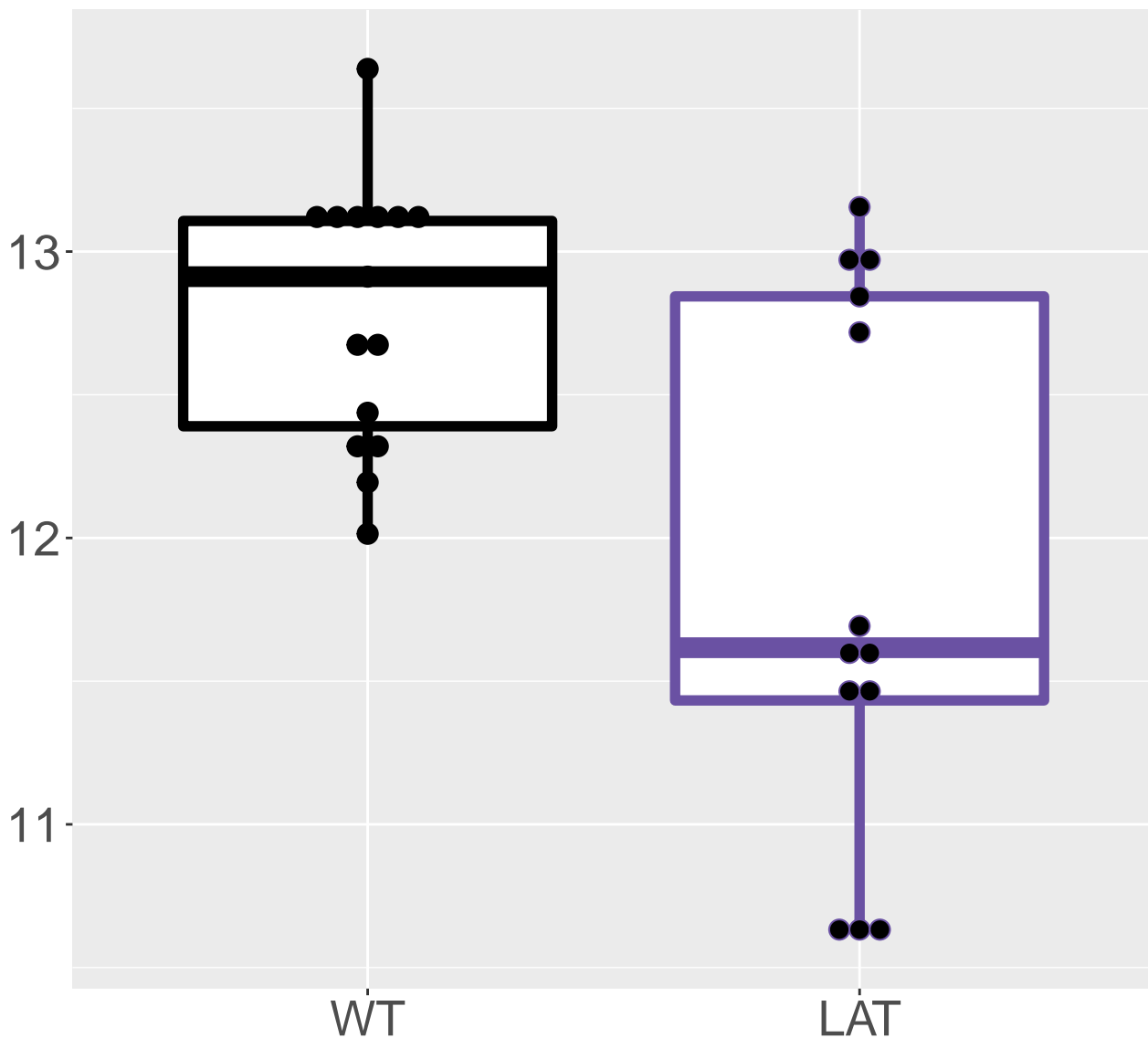


**M170.0821T152.81**  
**FDR = 0.012, FC = -0.67**



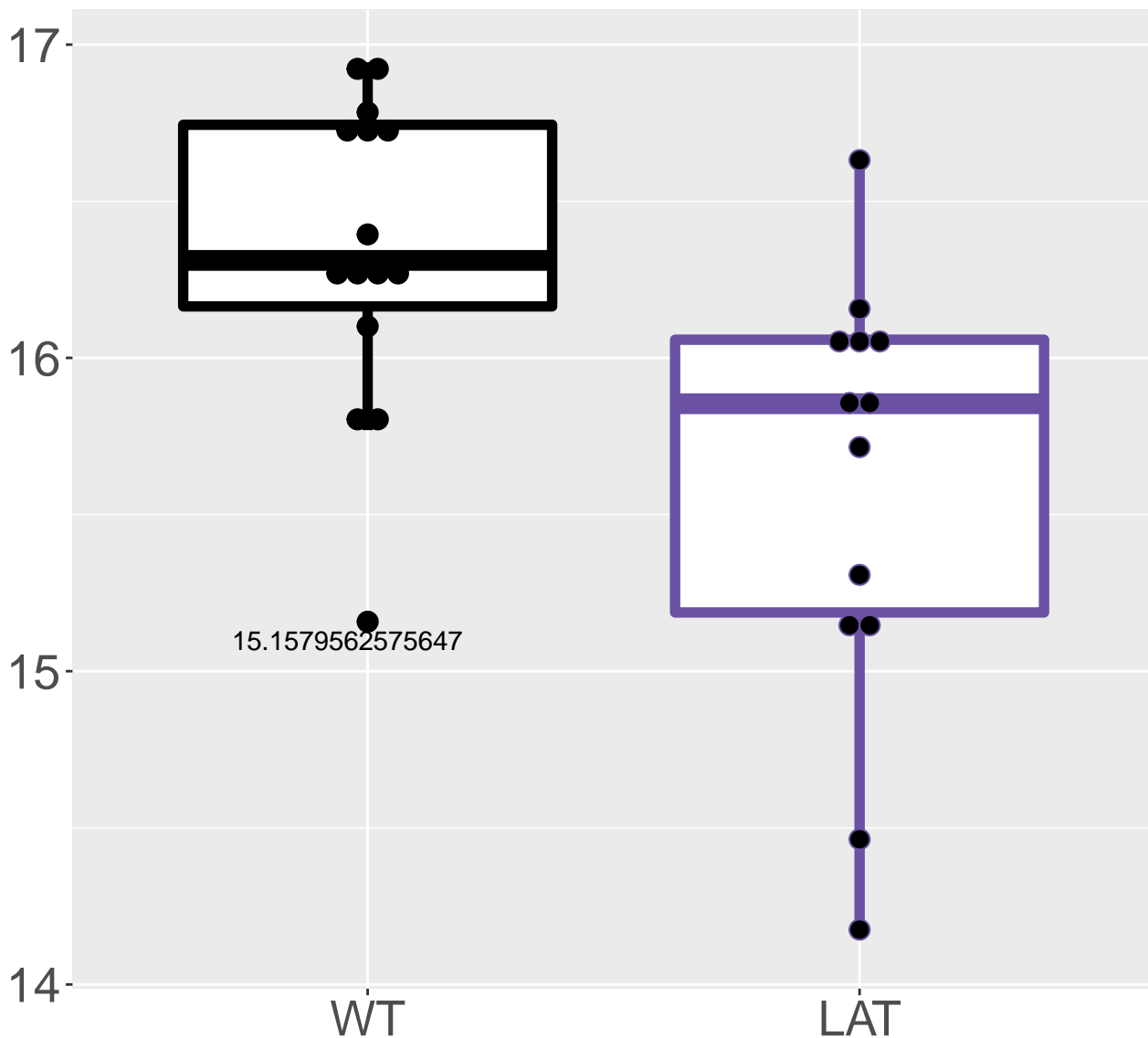
**M281.1227T129.81**

**FDR = 0.012, FC = -0.92**



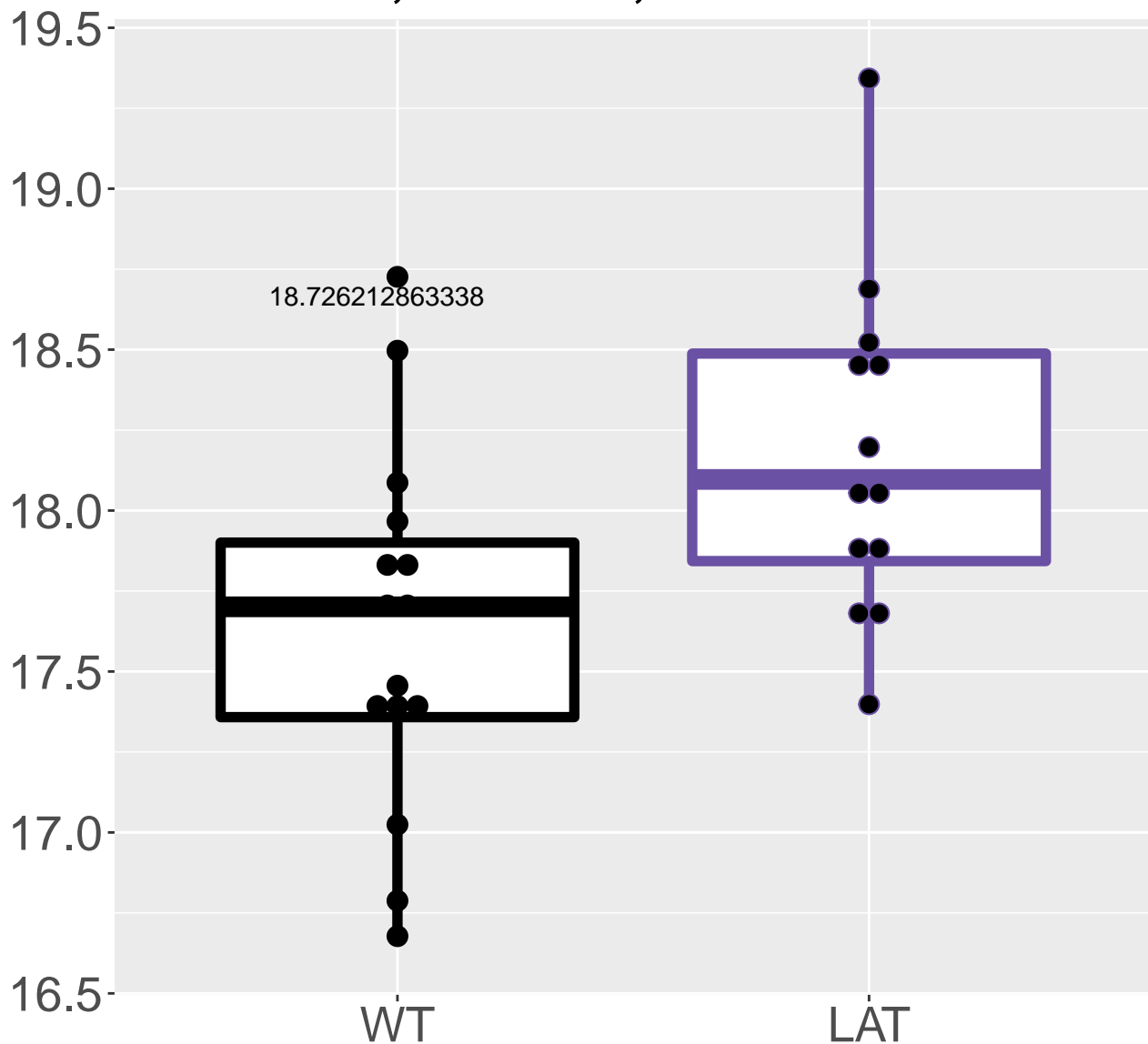
**M126.4677T75.44\_9**

**FDR = 0.012, FC = -0.75**



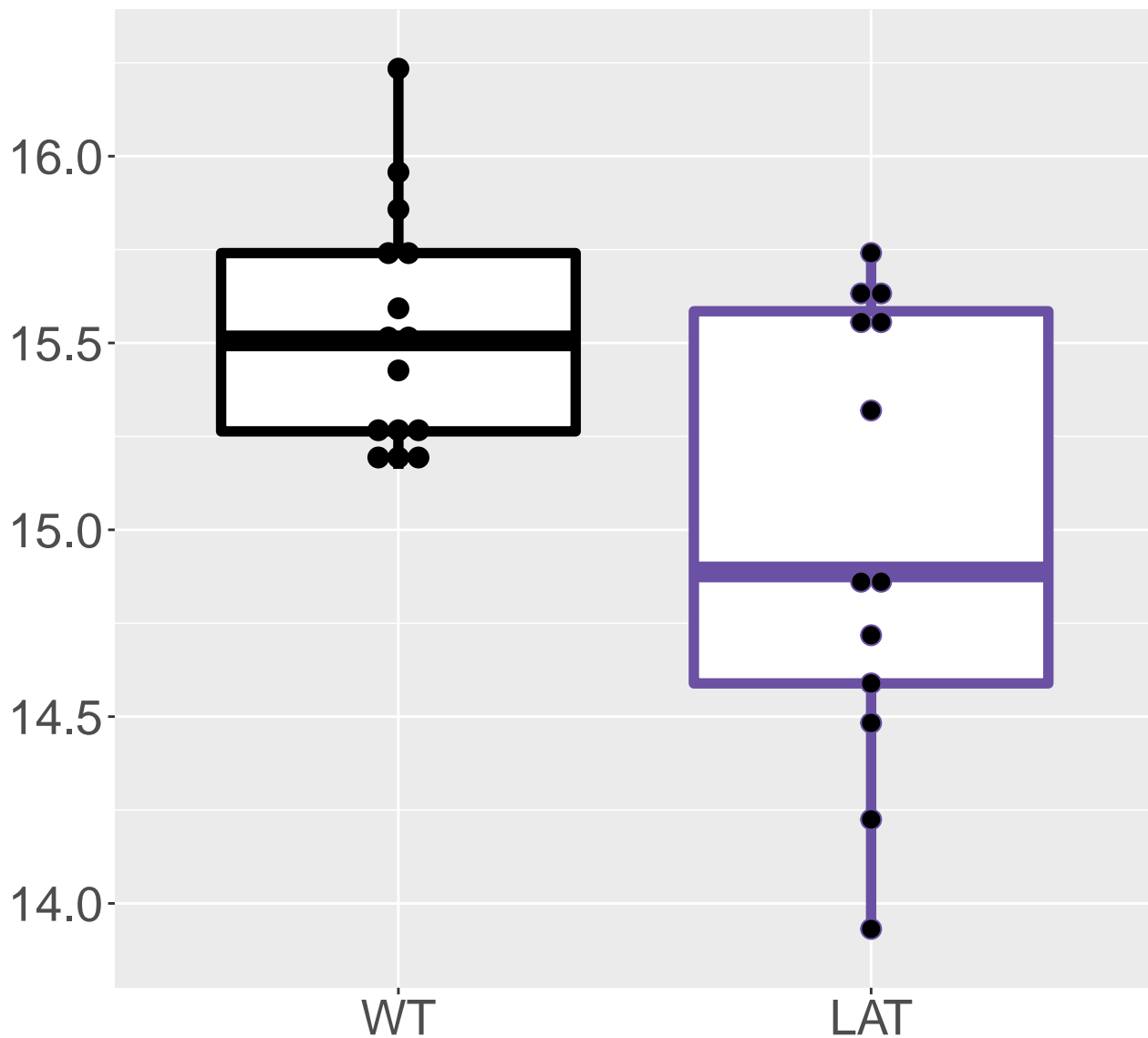
**M679.2129T298.44\_3**

**FDR = 0.012, FC = 0.55, sex\***

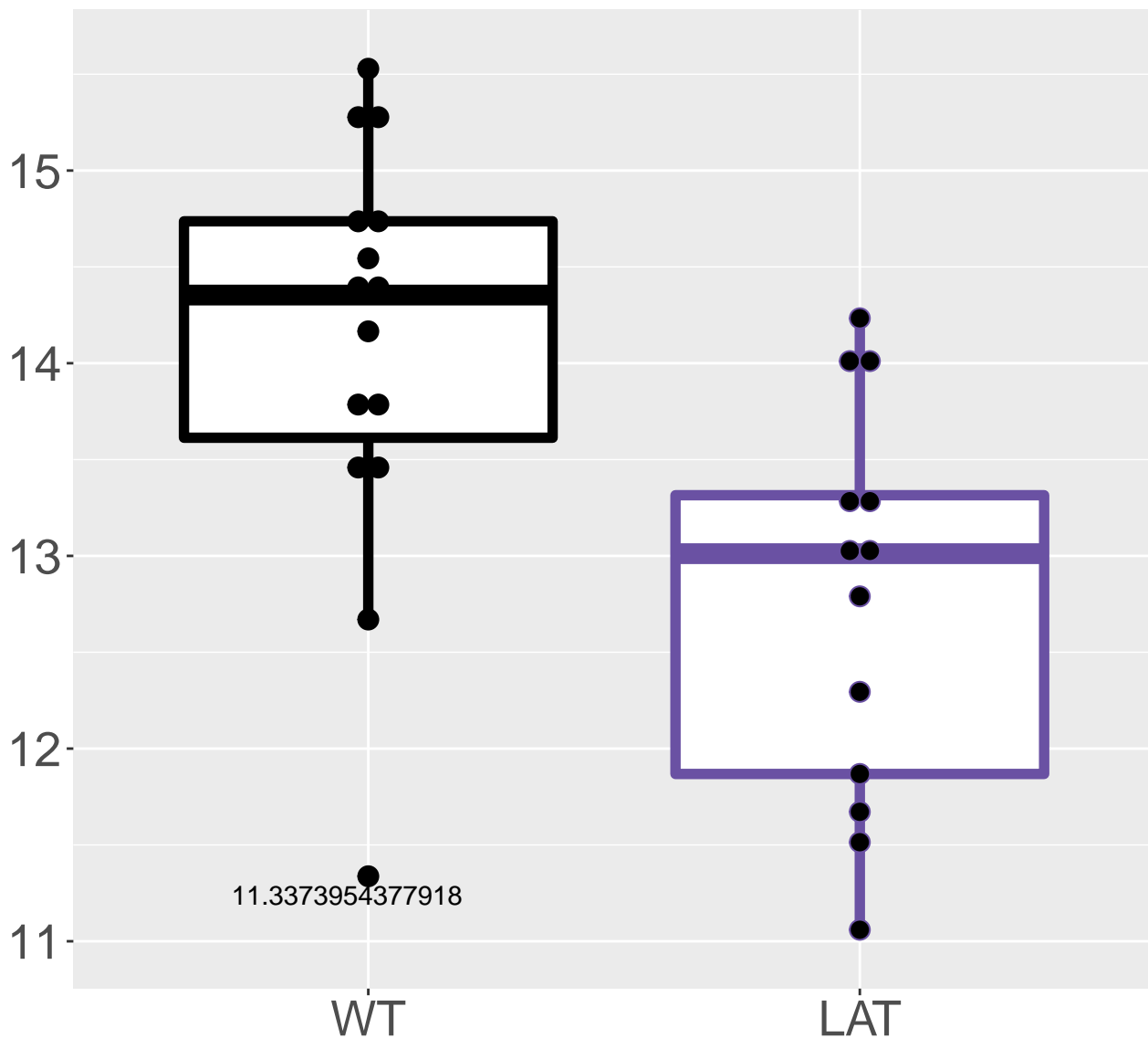


**M384.0817T46.98**

**FDR = 0.012, FC = -0.52**

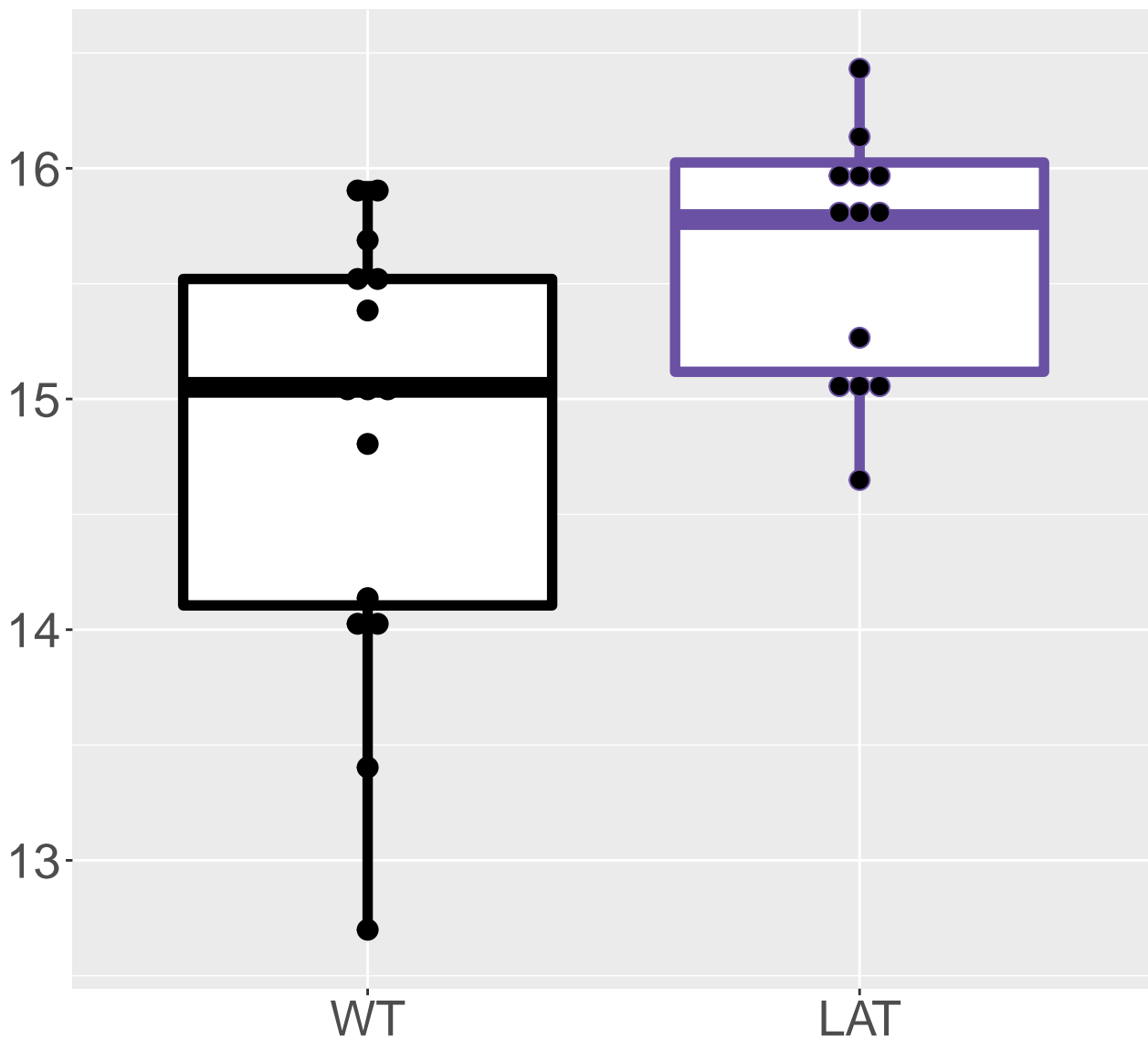


**M268.6595T281.3**  
**FDR = 0.012, FC = -1.3**



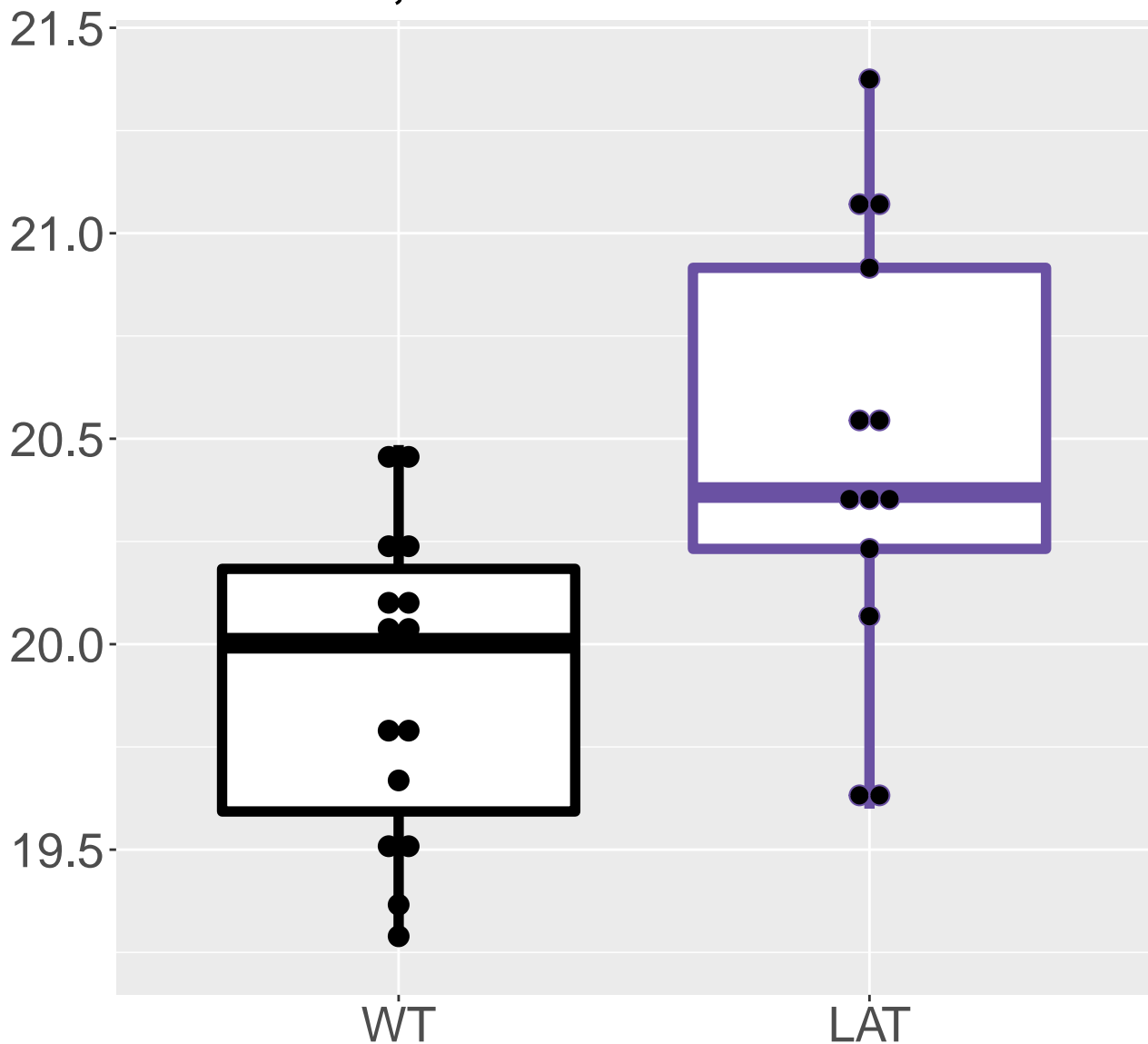


**M629.828T301.51**  
**FDR = 0.012, FC = 0.8**

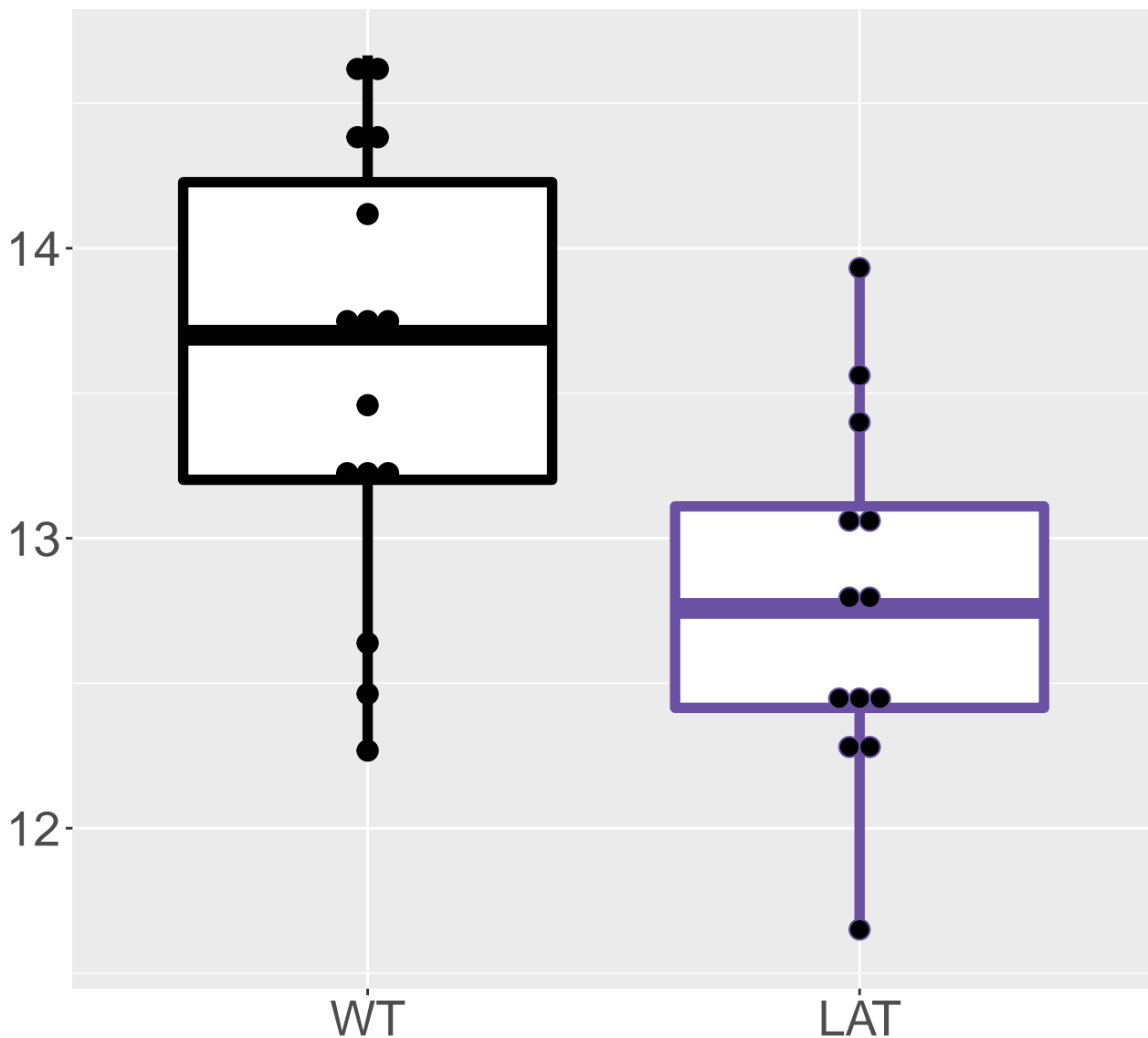


**M215.0706T48.23**

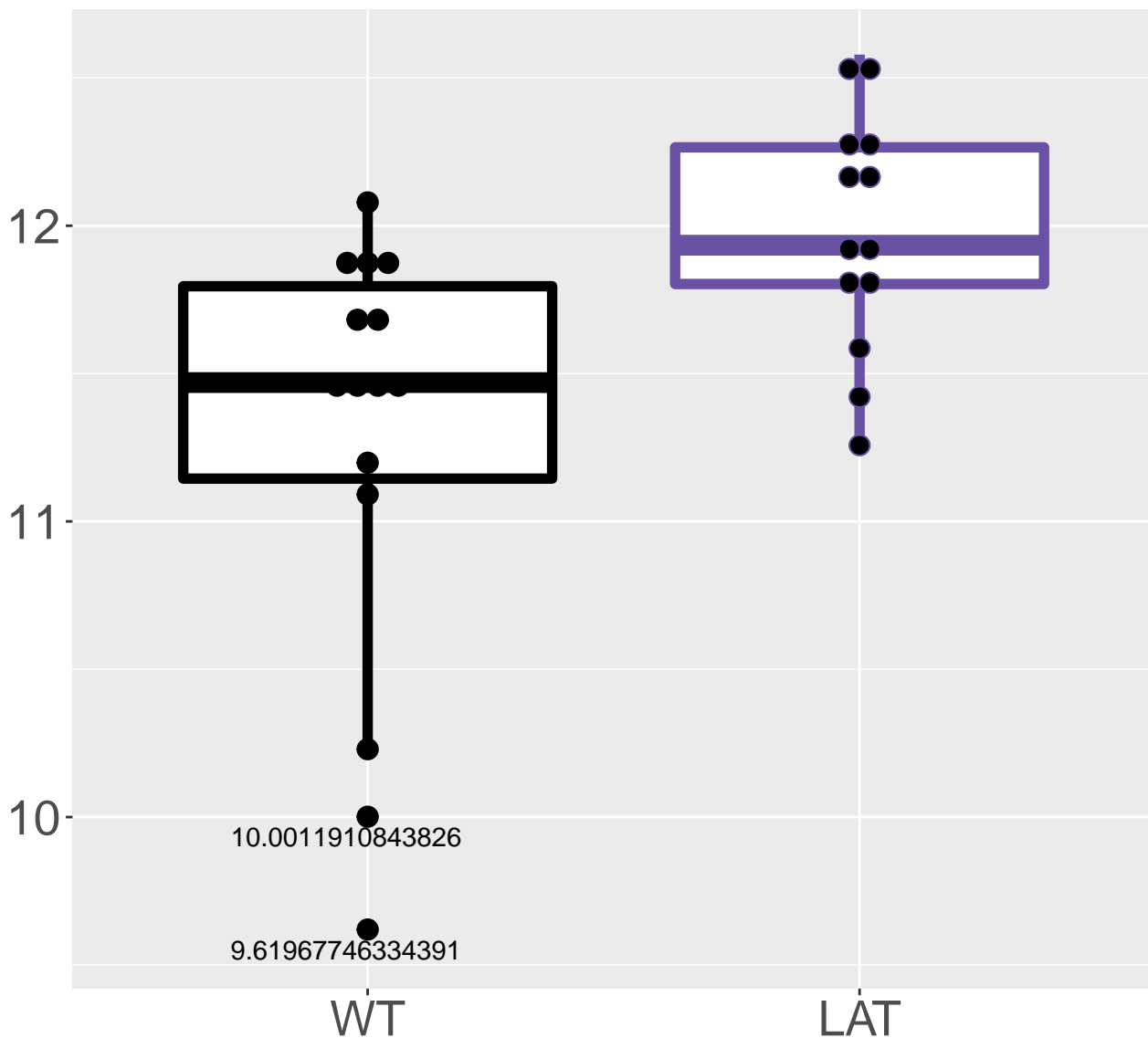
**FDR = 0.012, FC = 0.57**



**M303.168T173.87**  
**FDR = 0.012, FC = -0.81**

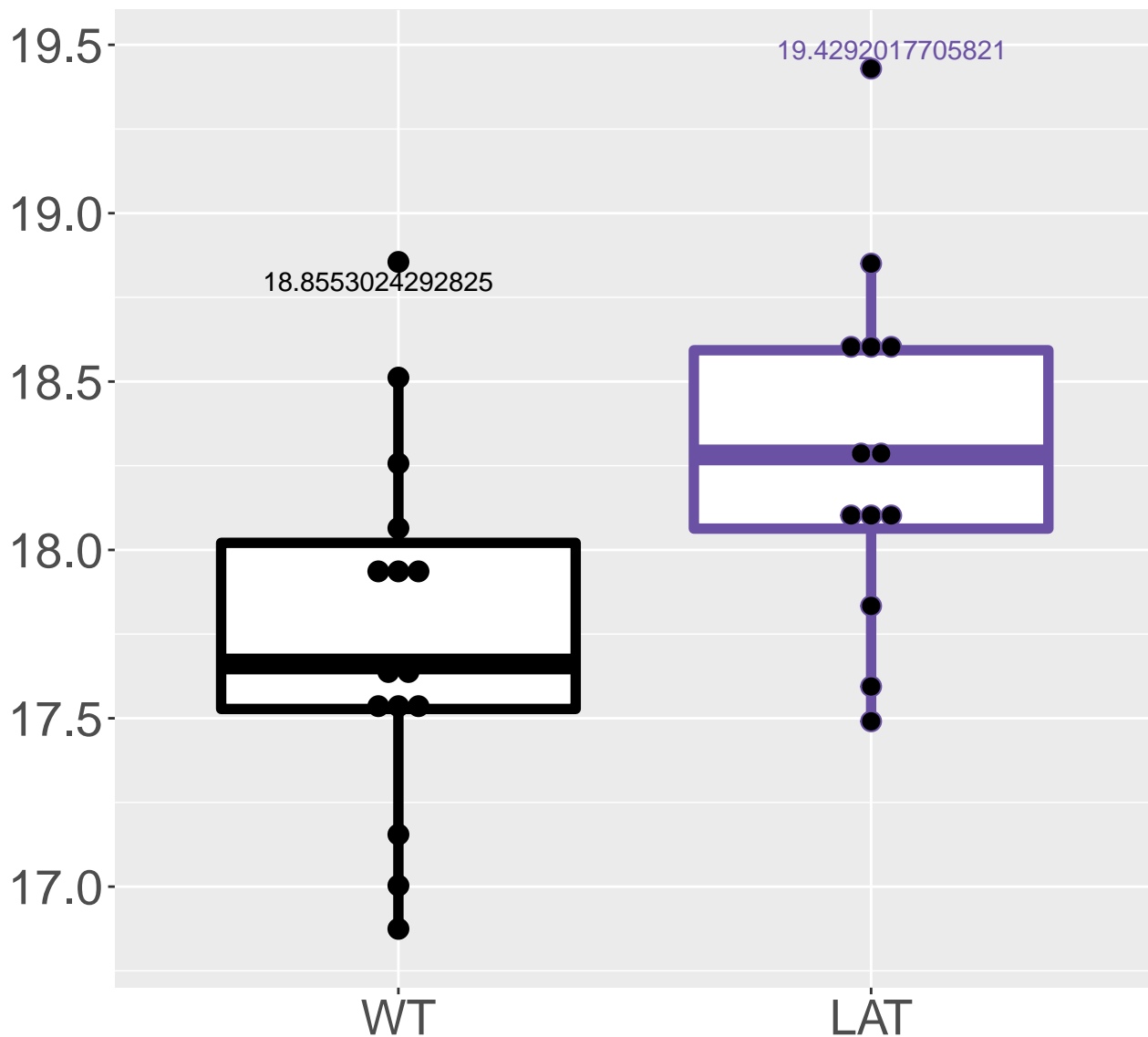


**M371.8741T251.58**  
**FDR = 0.012, FC = 0.71**

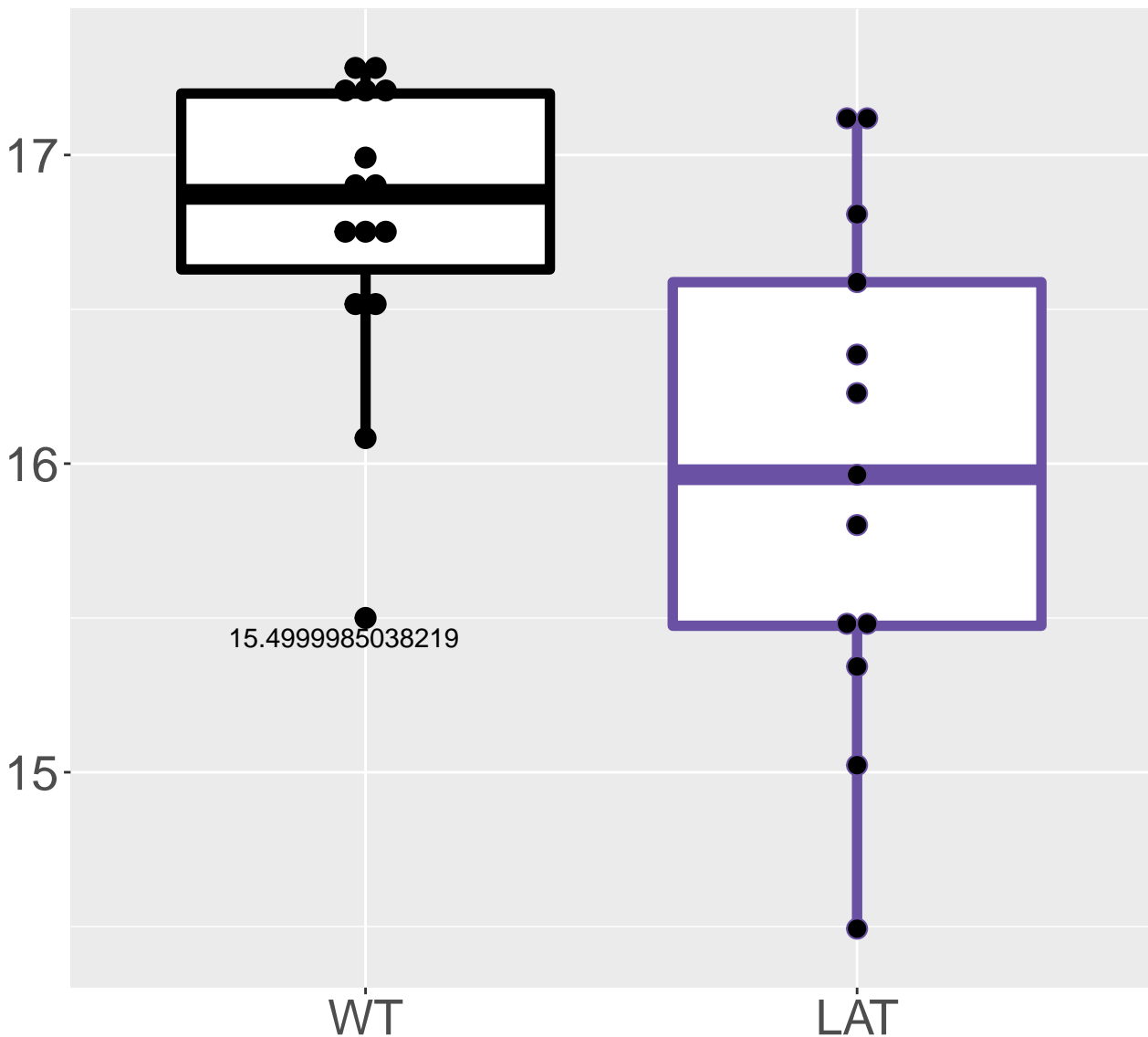


**M679.0699T298.52\_1**

**FDR = 0.012, FC = 0.54, sex\***

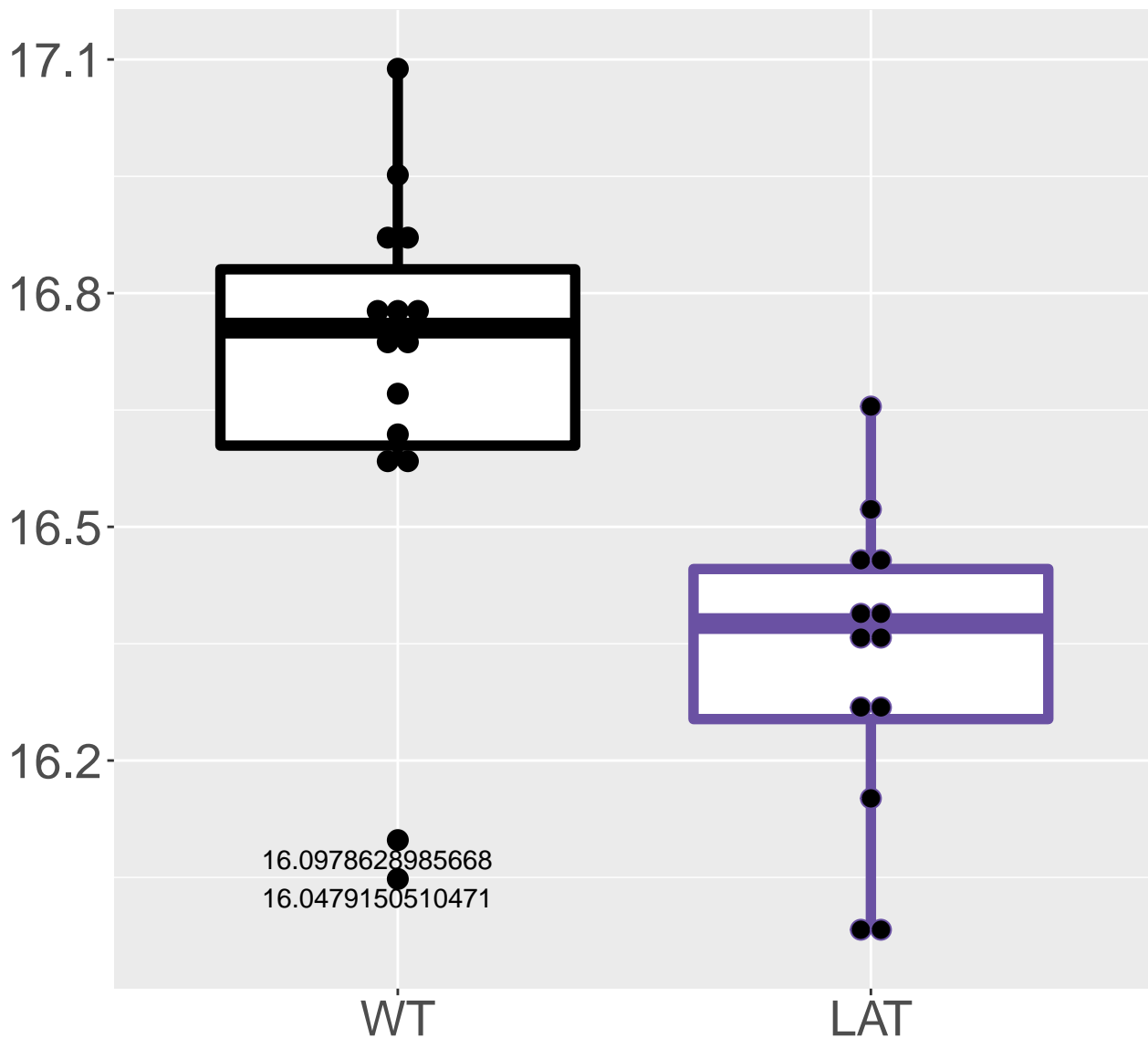


**M707.1893T46.81**  
**FDR = 0.012, FC = -0.81**

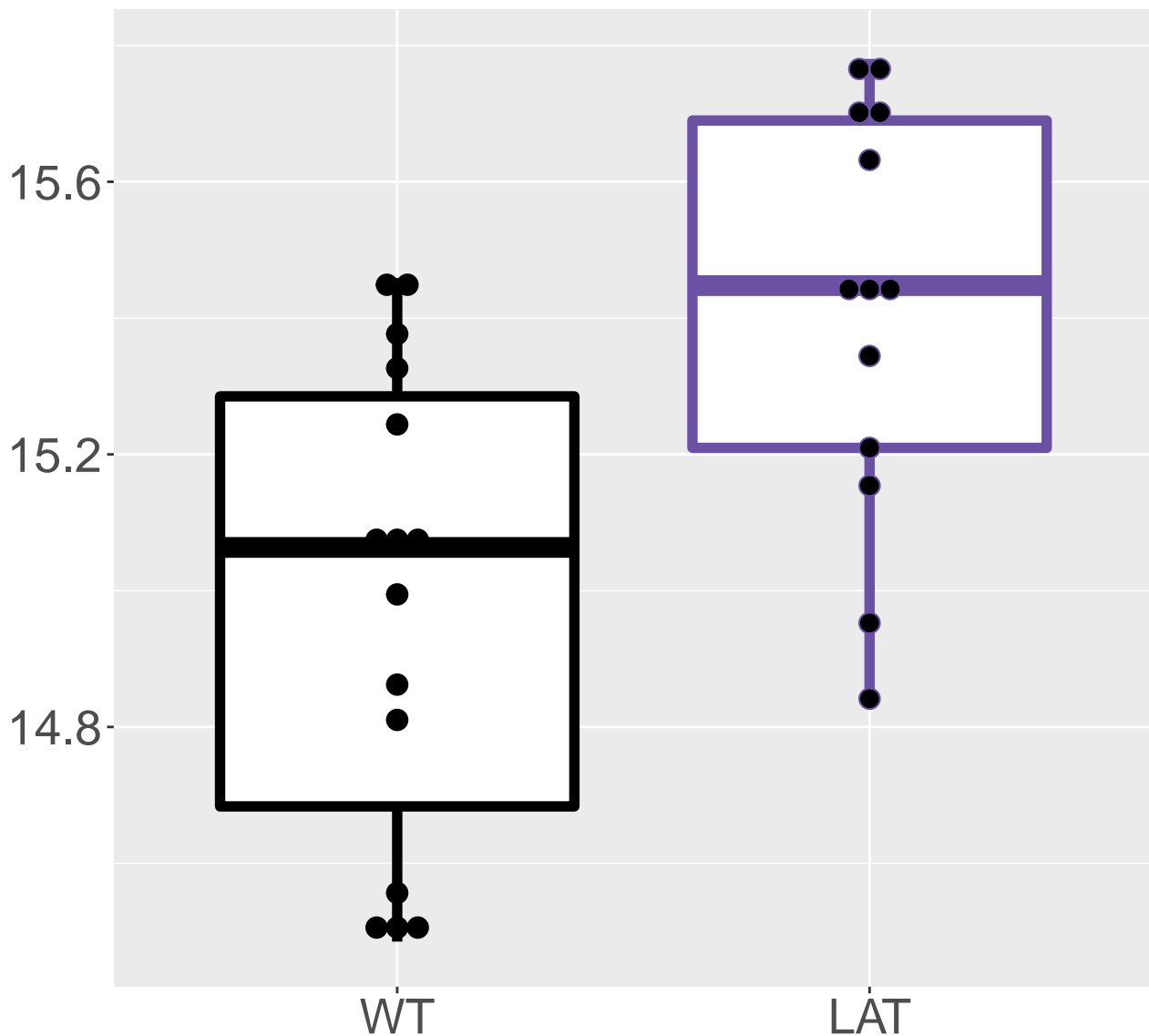


**M227.0798T229.48**

**FDR = 0.012, FC = -0.35**



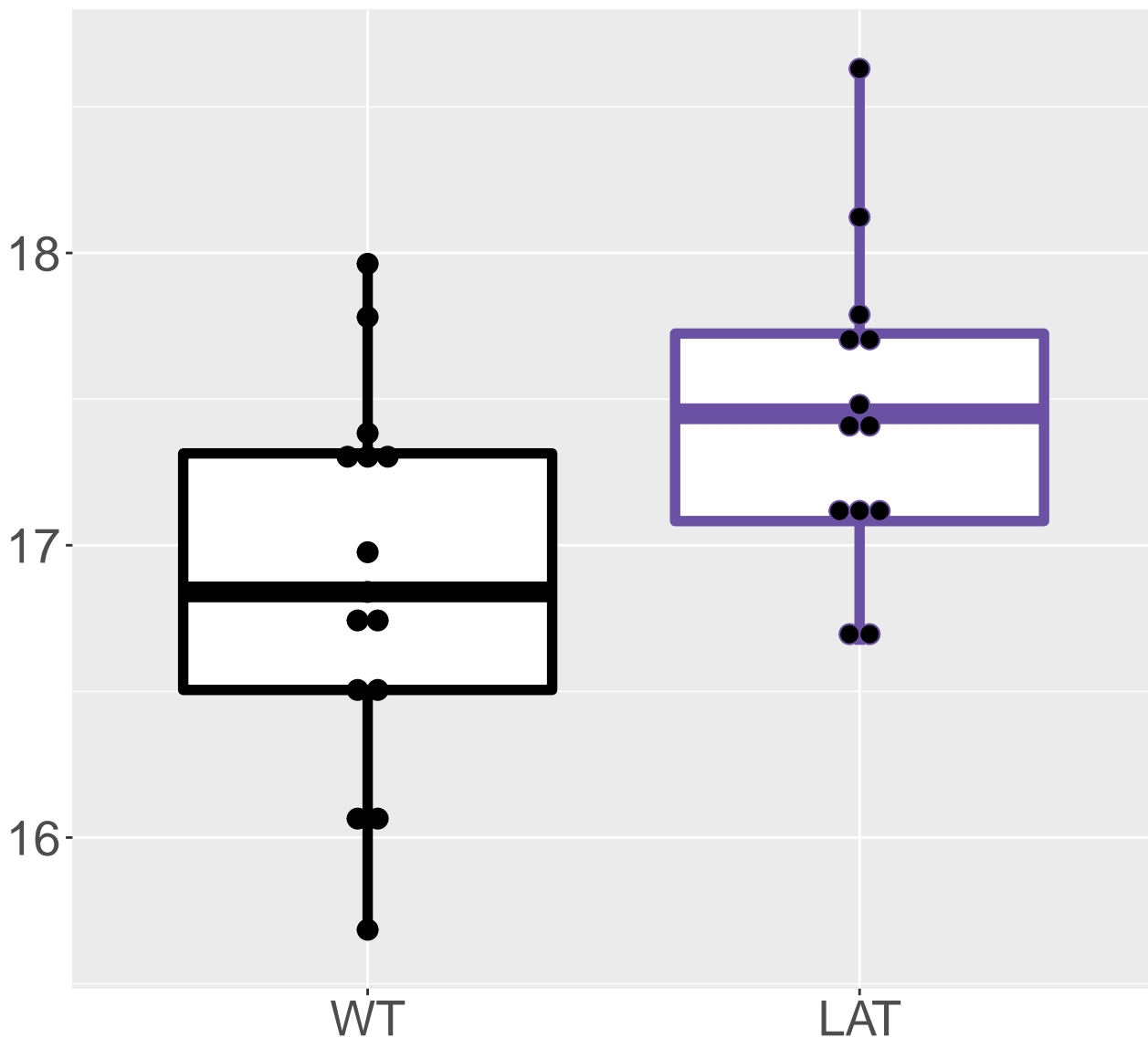
**M472.8174T43.12\_1**  
**FDR = 0.012, FC = 0.43**



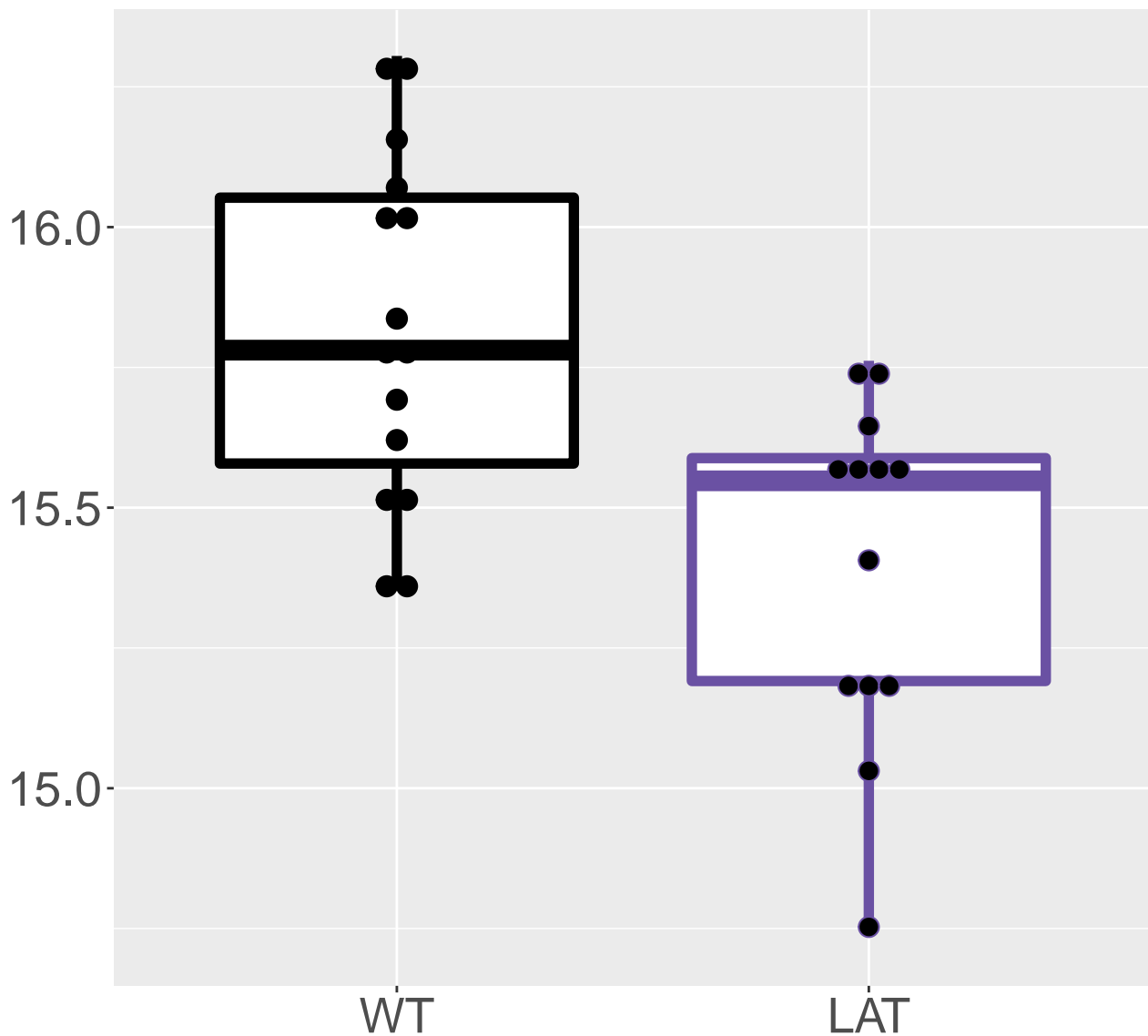


**M594.3124T298.67**

**FDR = 0.012, FC = 0.58, sex\***

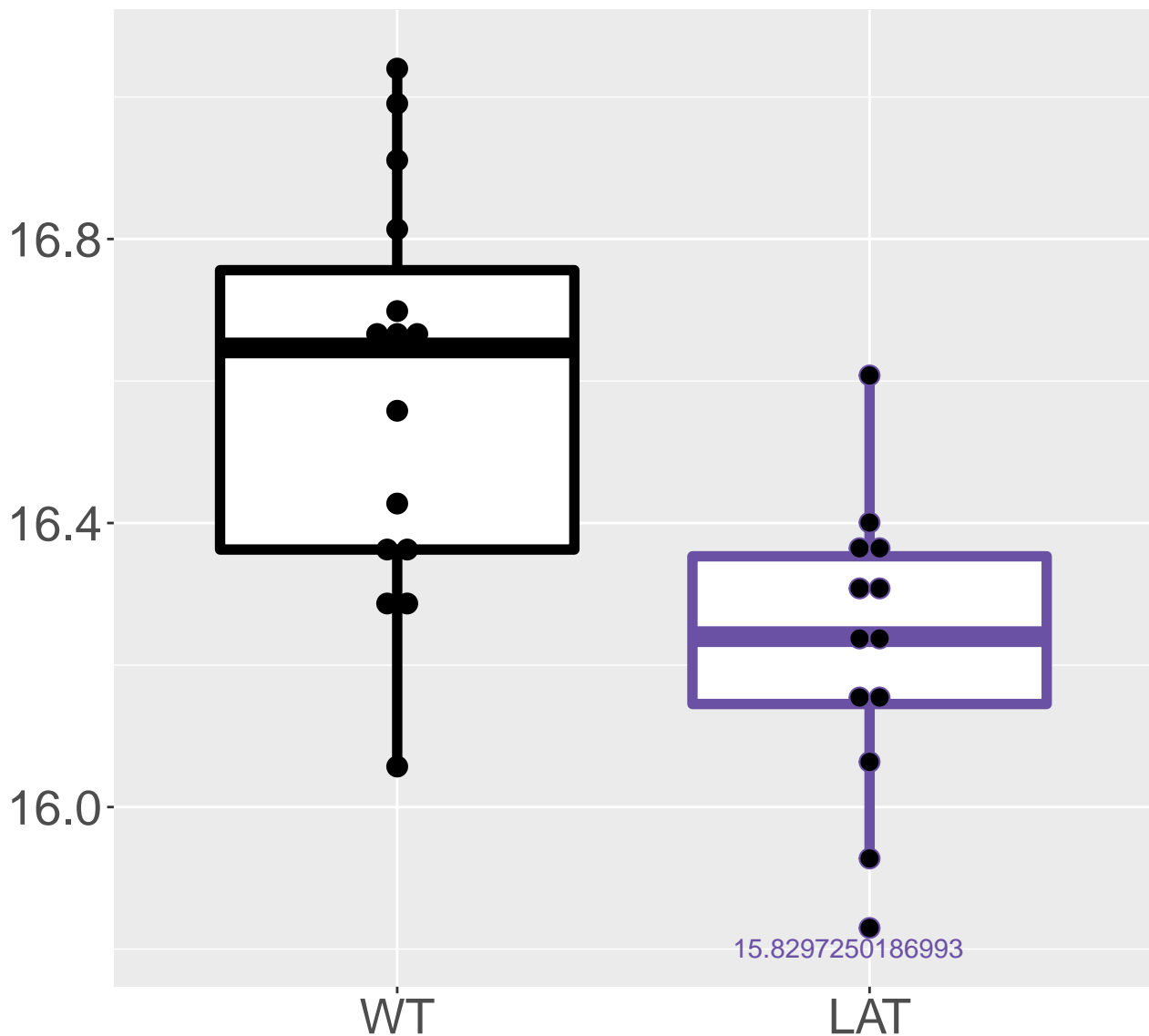


**FDR = 0.012, FC =  $\bar{-0.42}$**



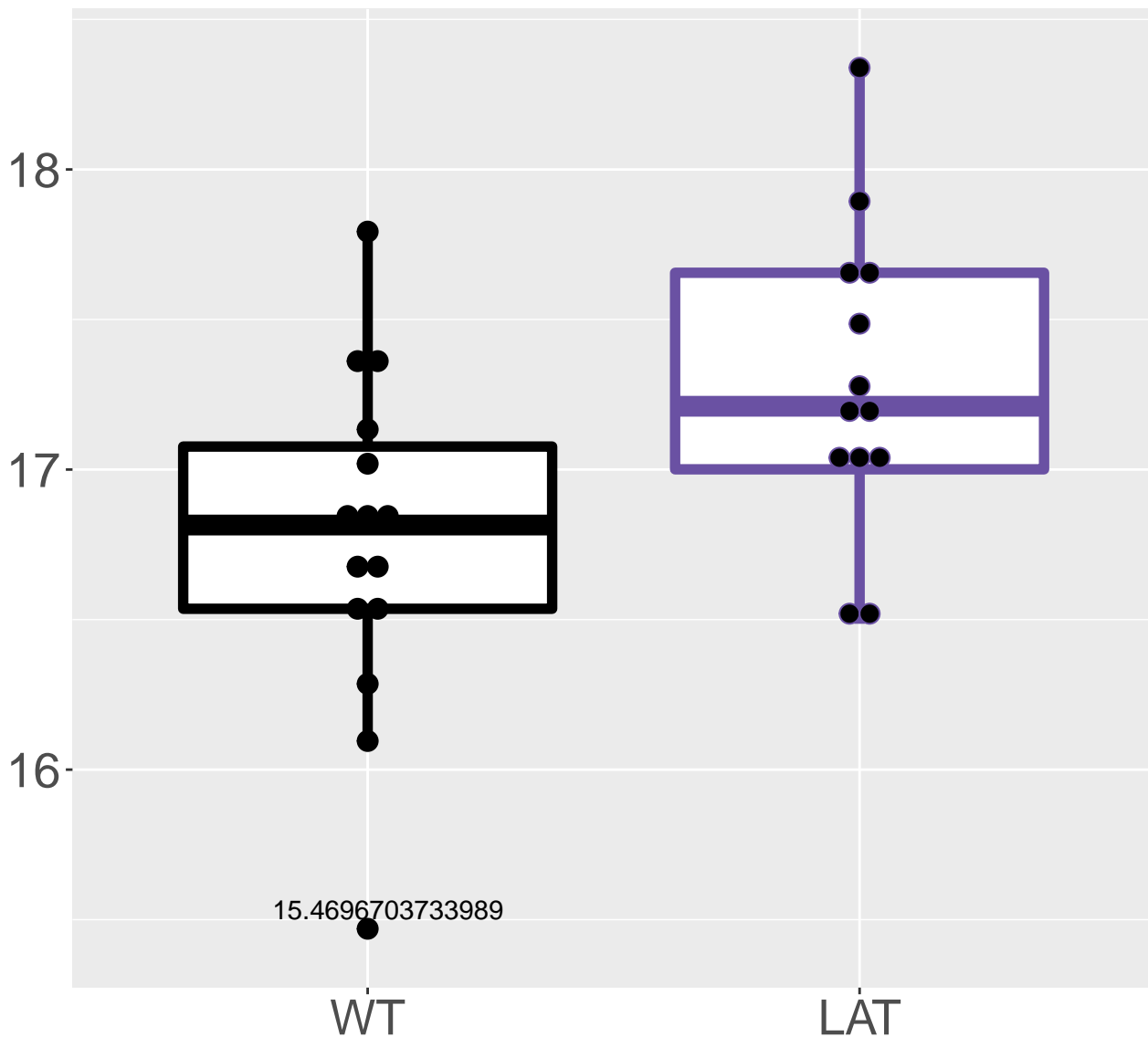
**M162.0021T113.1\_20**

**FDR = 0.012, FC = -0.36**



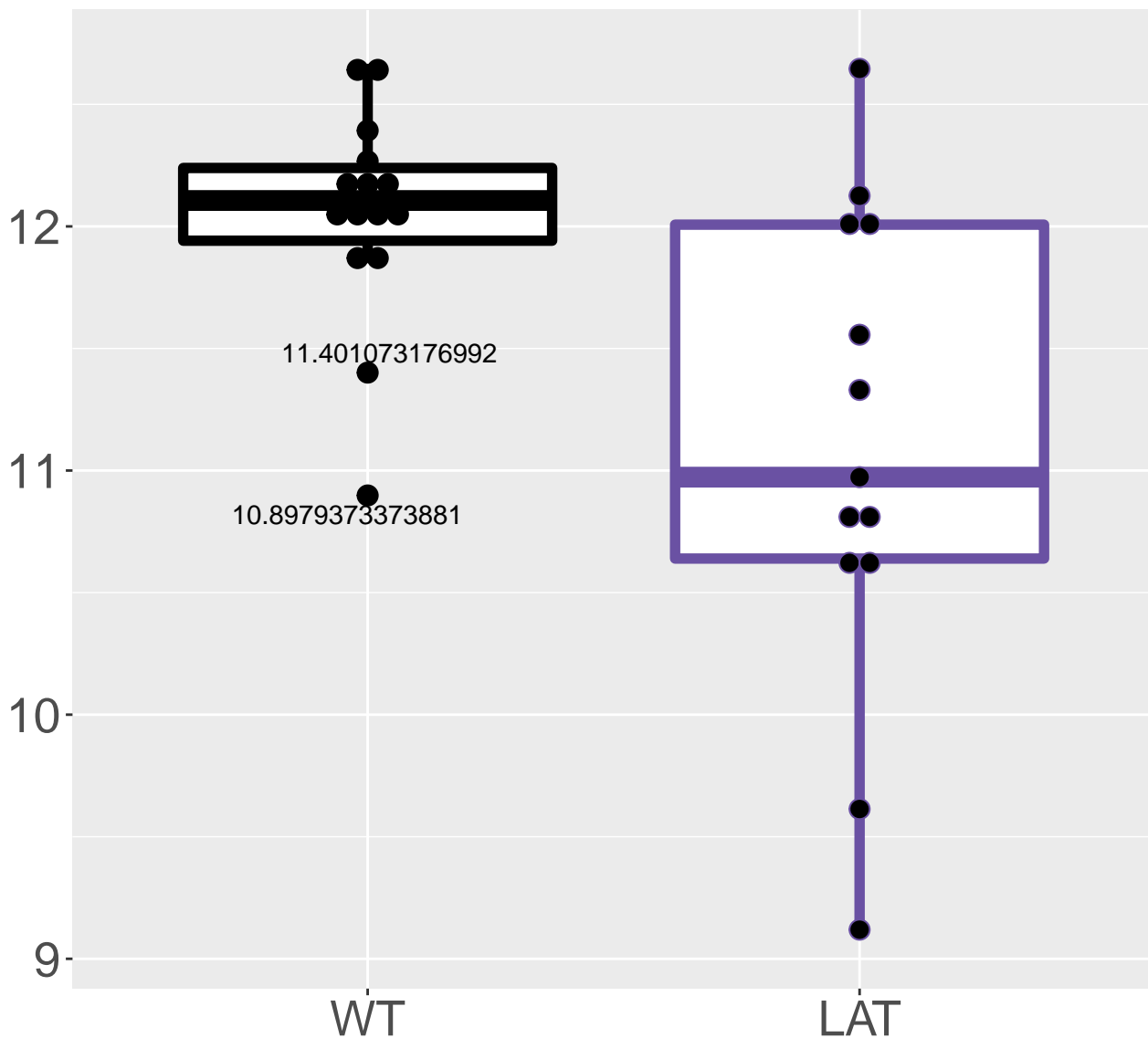
**M791.9124T298.67\_1**

**FDR = 0.012, FC = 0.53, sex\***



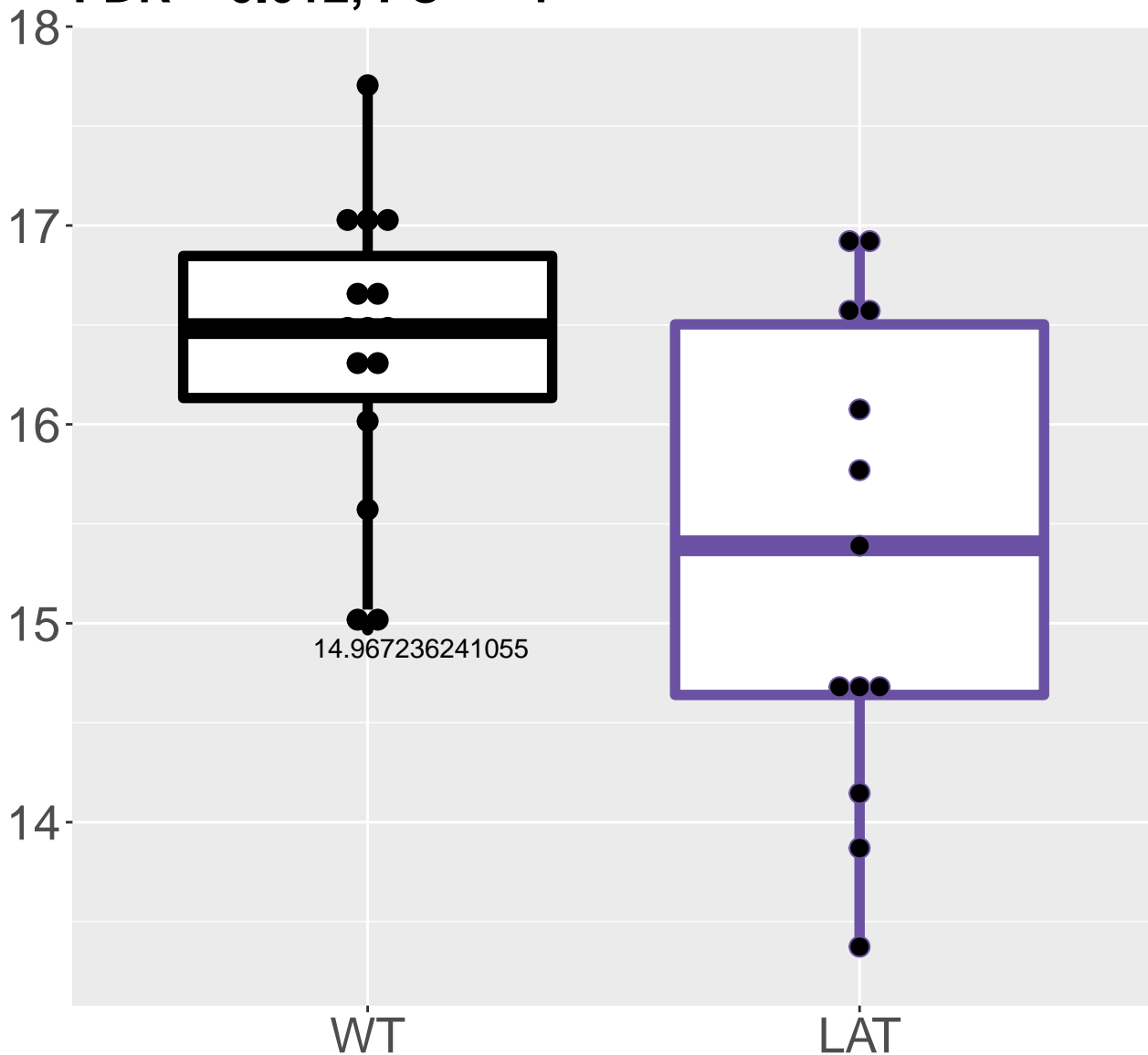
**M236.0871T177.93**

**FDR = 0.012, FC = -0.94**

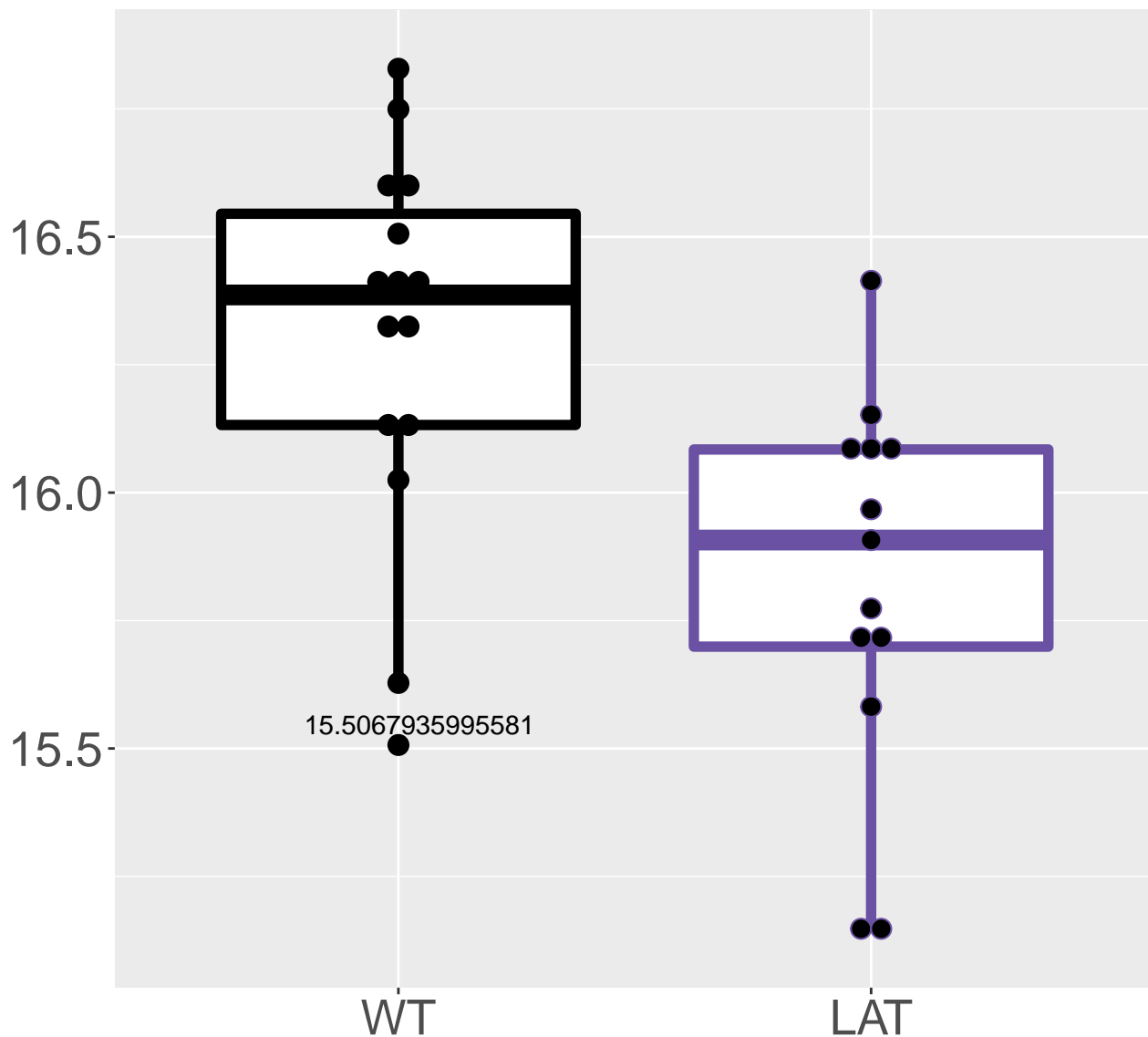


**M180.137T63.3**

**FDR = 0.012, FC = -1**

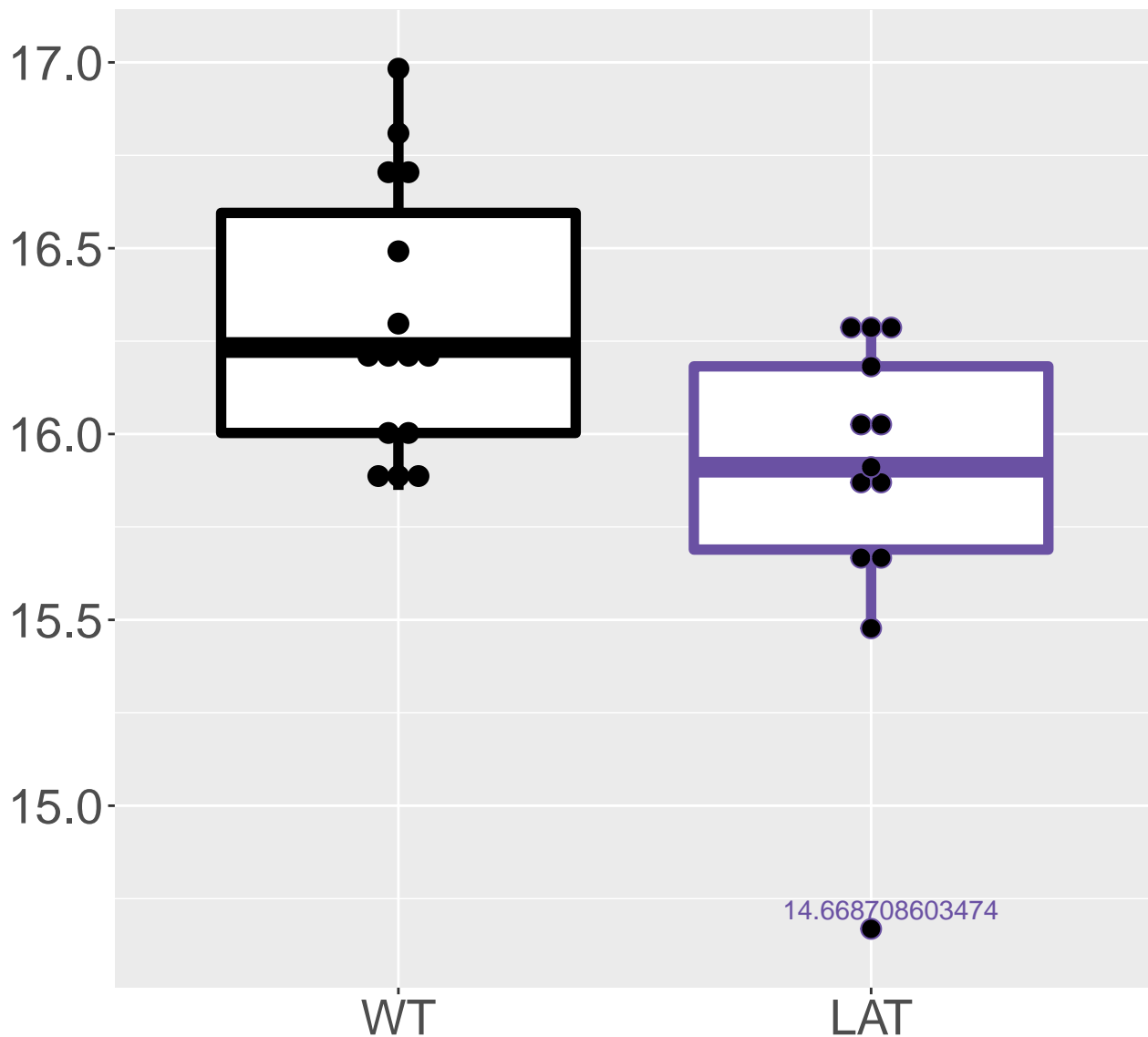


**M168.8396T113.19\_17**  
**FDR = 0.012, FC = -0.48**



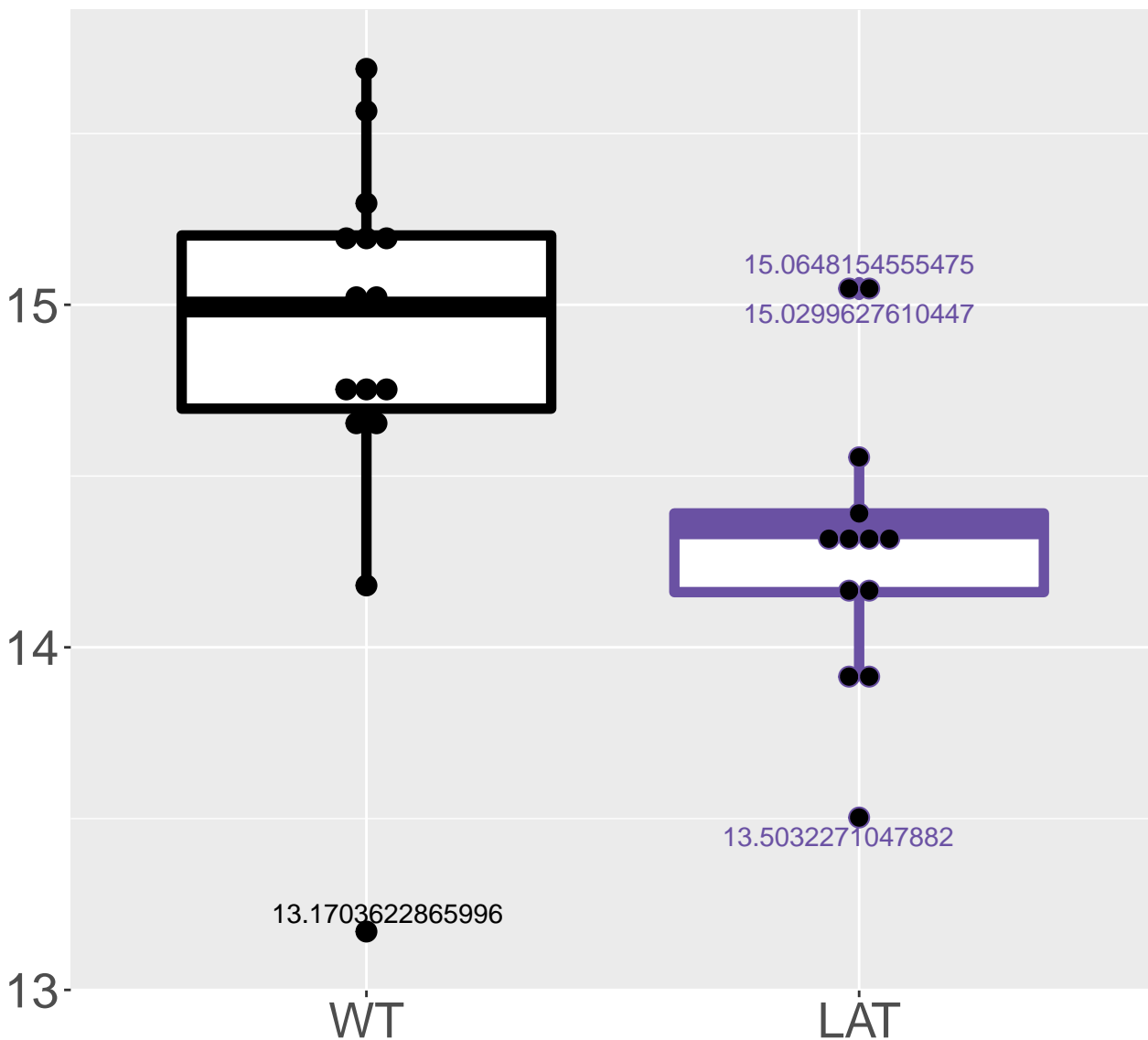
**M578.0548T298.14\_1**

**FDR = 0.012, FC = -0.44, sex\*\***

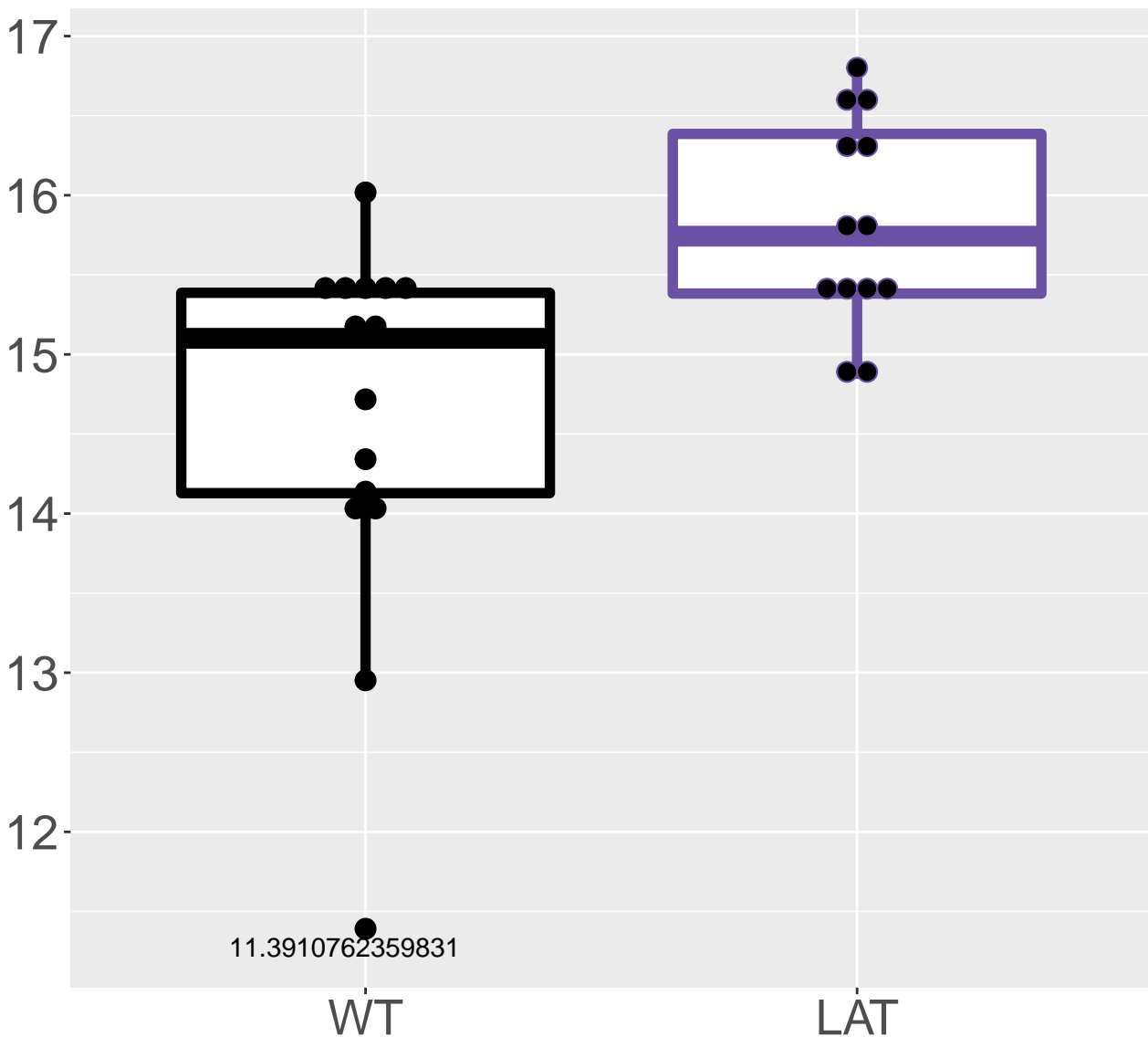




**FDR = 0.012, FC = -0.56**

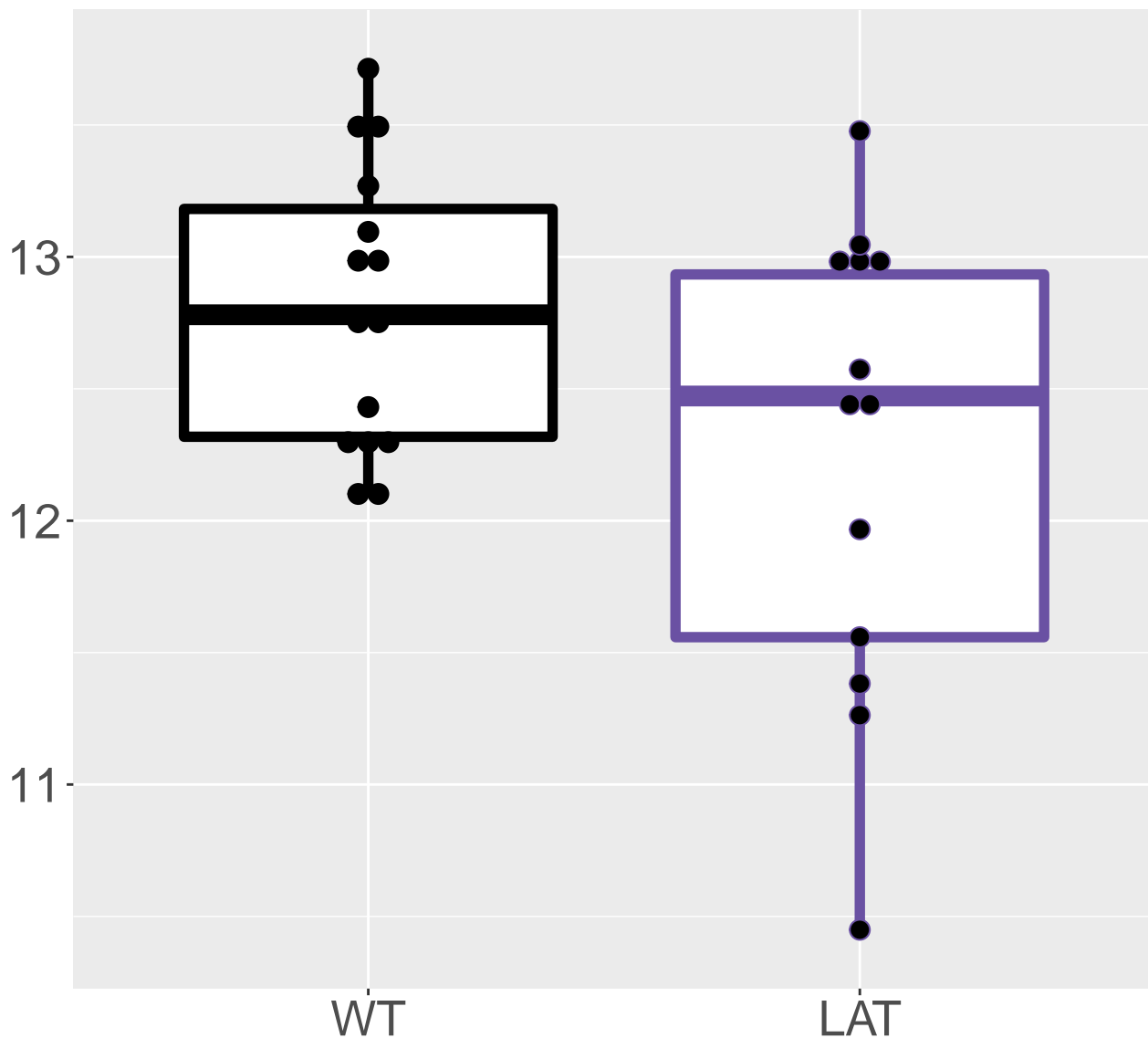


**M515.1815T112.5**  
**FDR = 0.013, FC = 1.2**

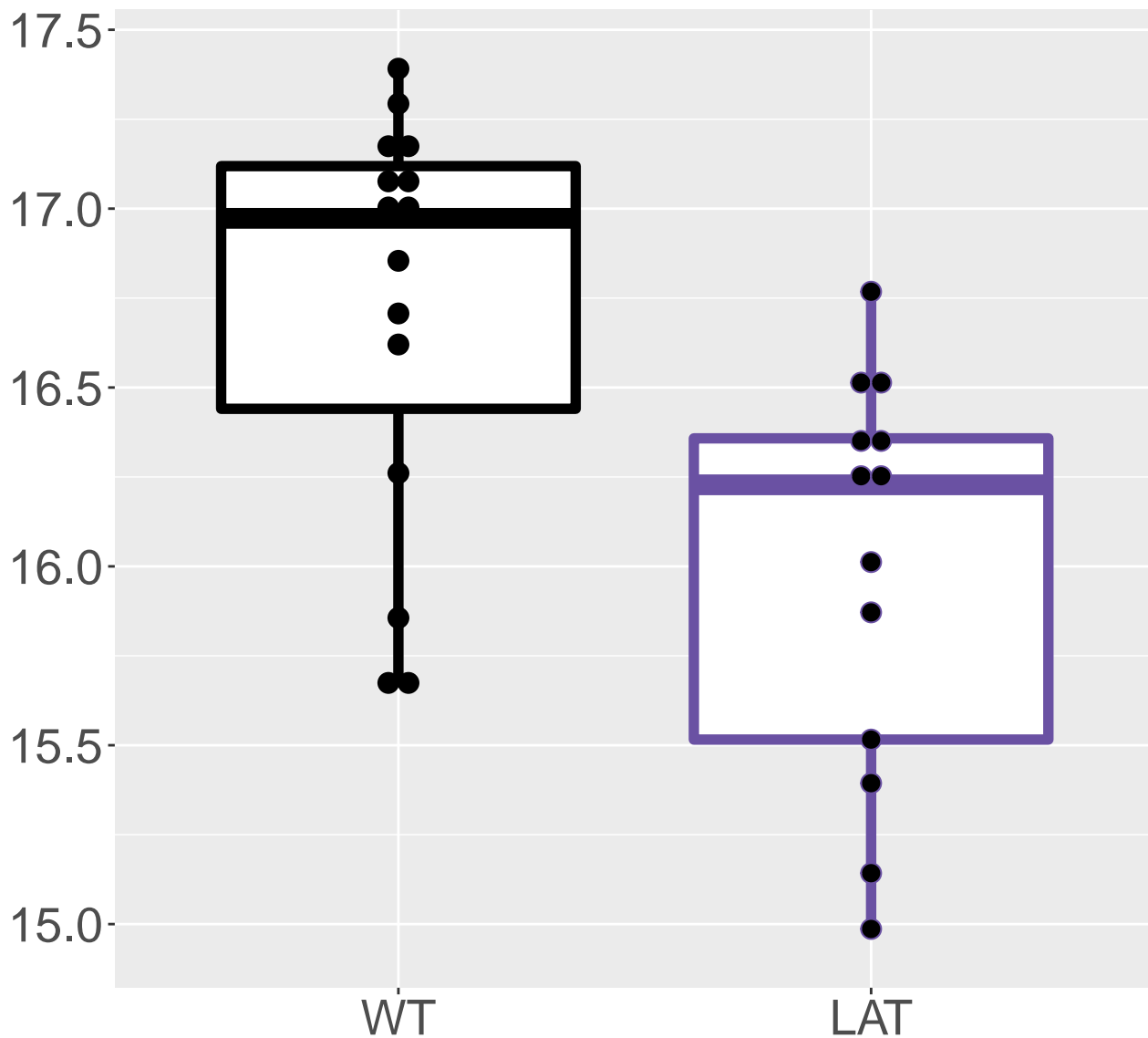


**M275.5282T332.24\_1**

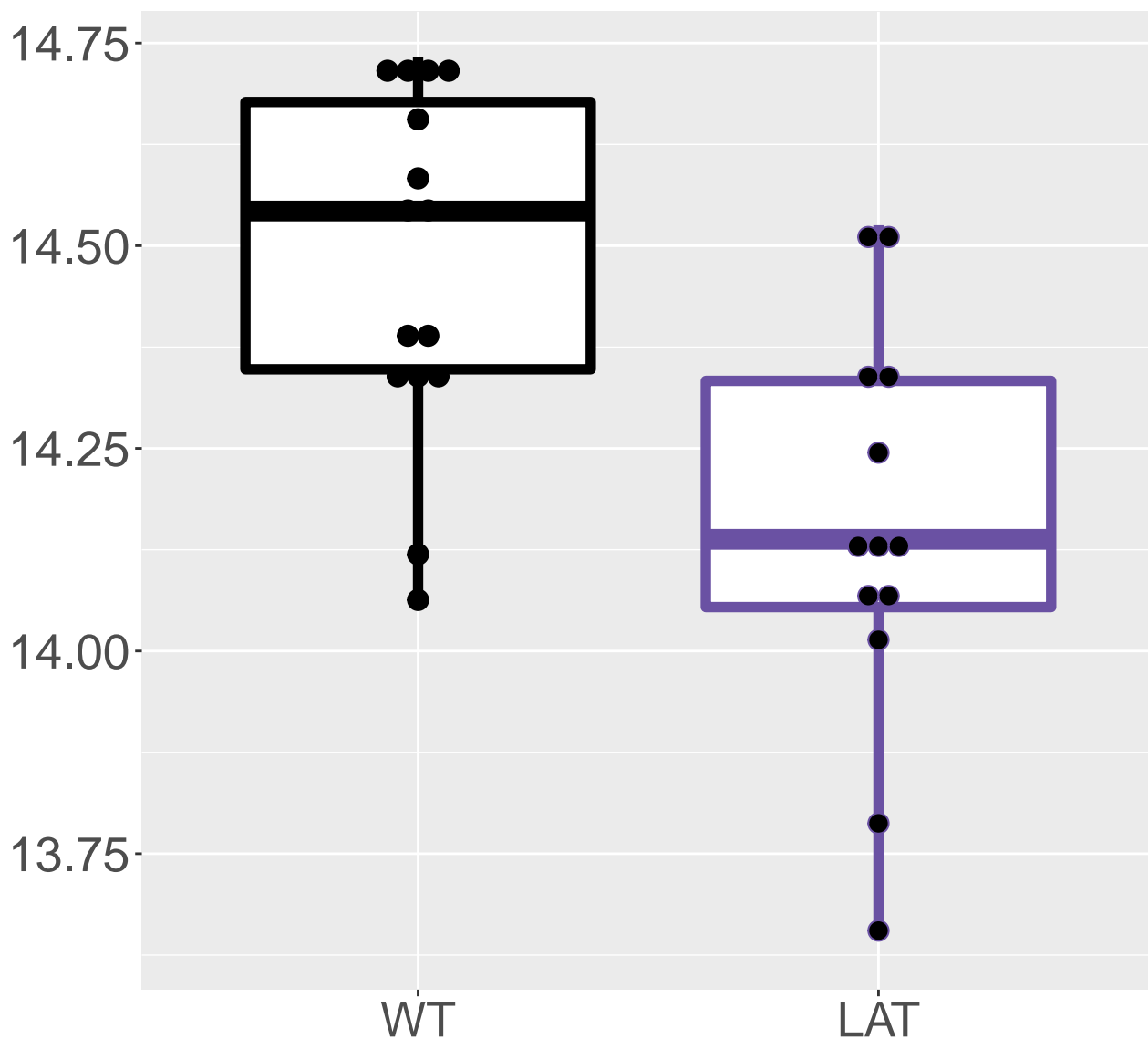
**FDR = 0.013, FC = -0.54, sex\*\*\***



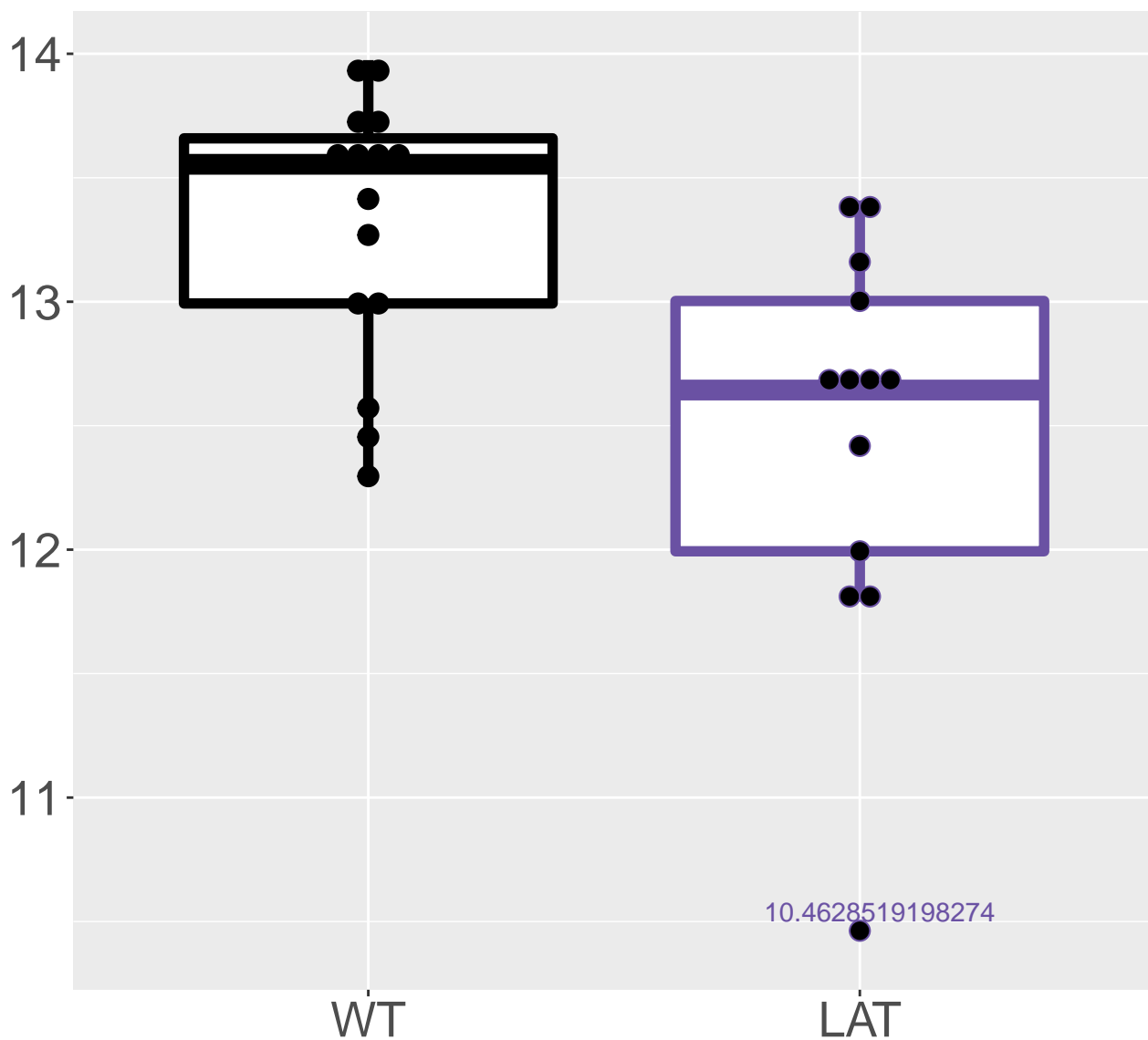
**M128.5422T75.51\_1**  
**FDR = 0.013, FC = -0.73**



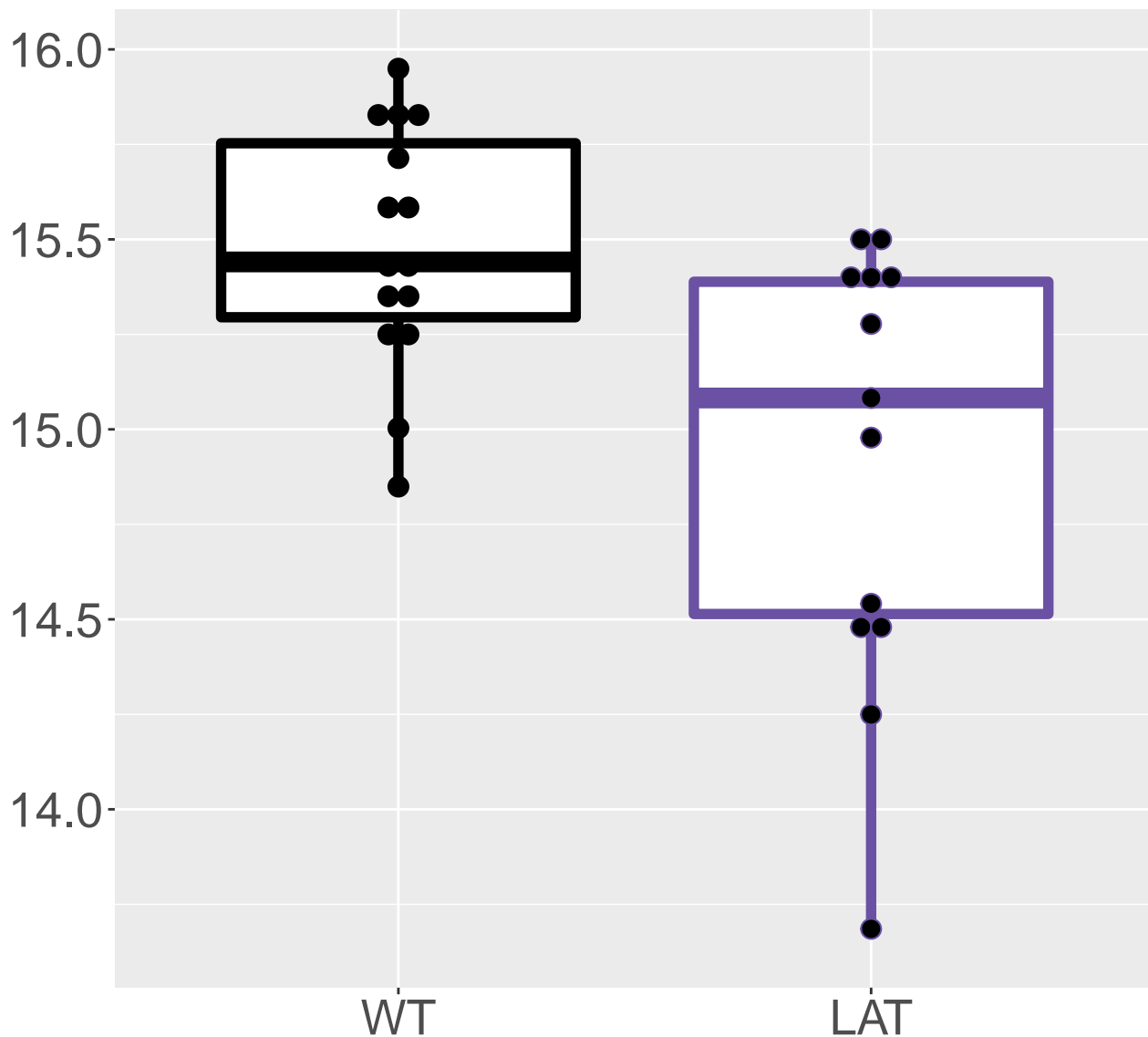
**M641.7307T251.11\_2**  
**FDR = 0.013, FC = -0.33**



**M454.9294T315.15\_2**  
**FDR = 0.013, FC = -0.84**

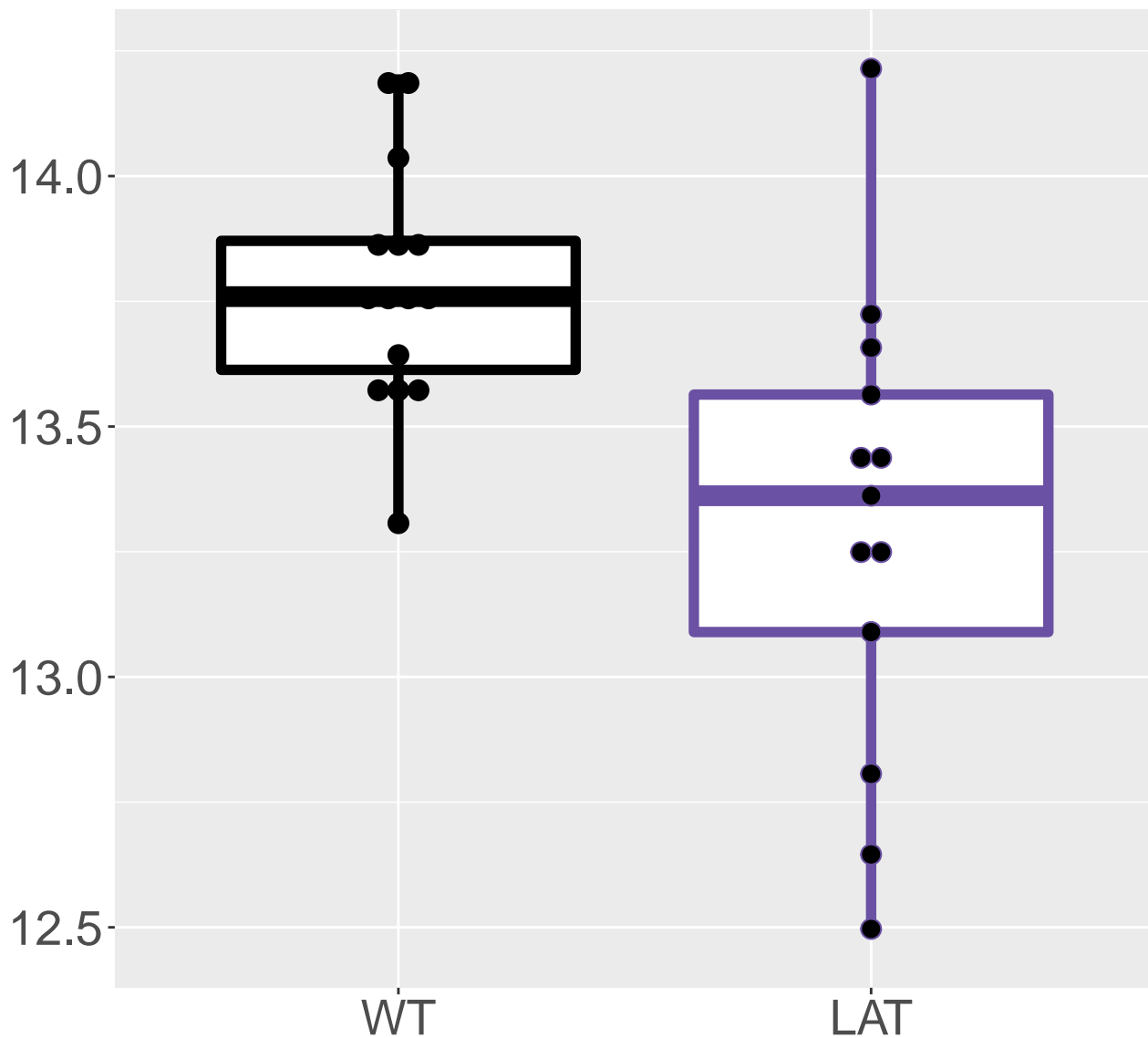


**M157.8338T113.1\_10**  
**FDR = 0.013, FC = -0.56**



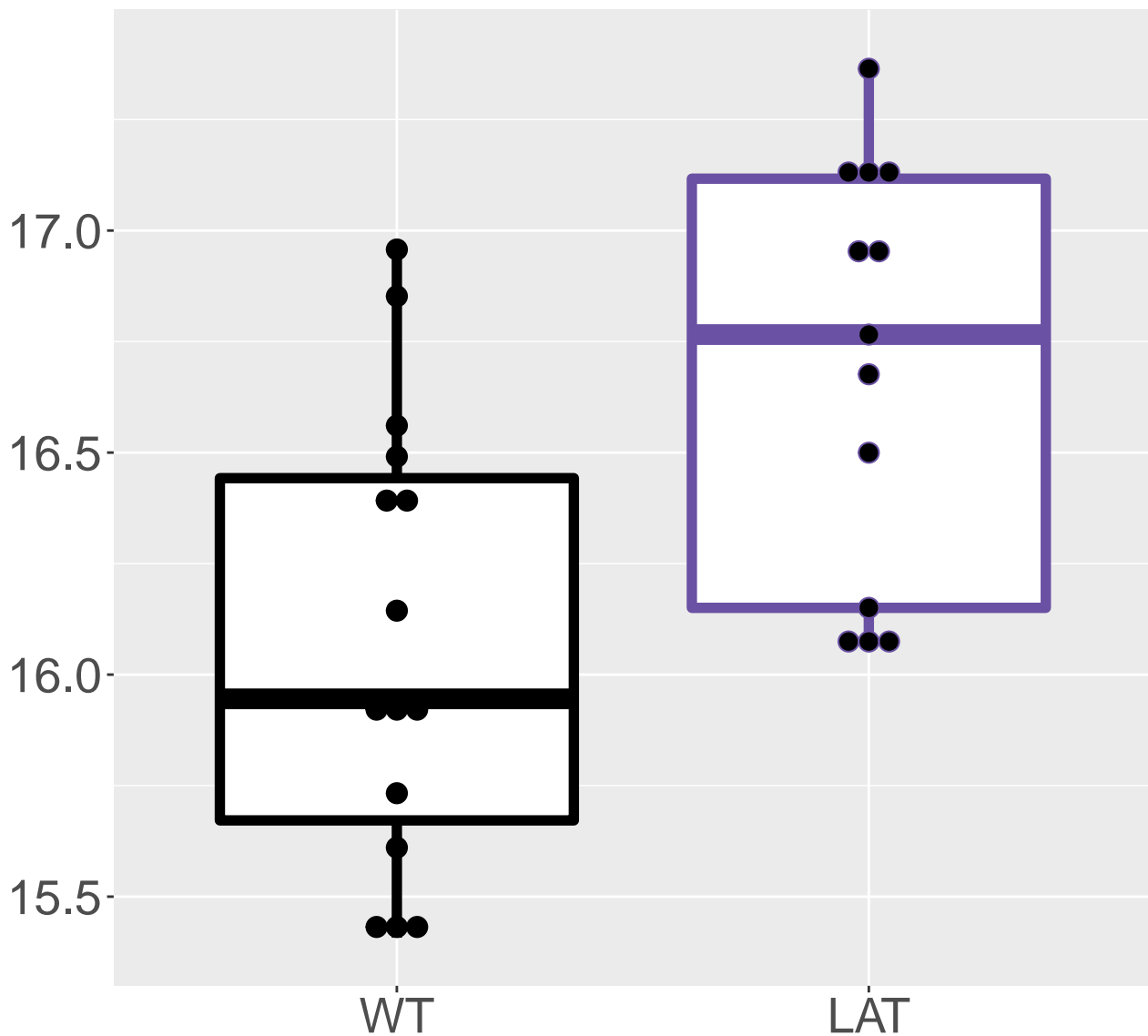
**M518.765T242.1\_1**

**FDR = 0.013, FC = -0.48**



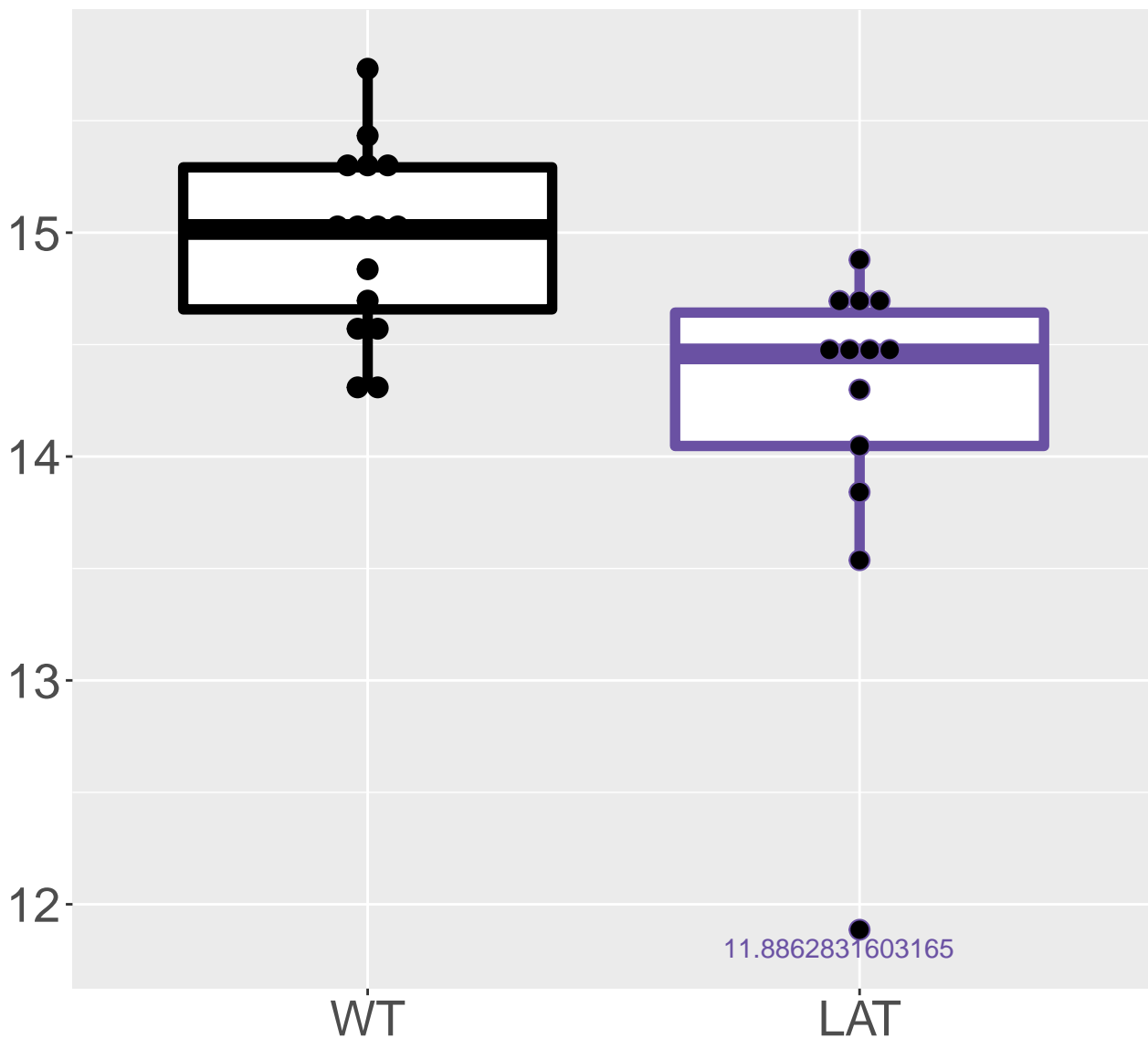


**M284.1988T286.78**  
**FDR = 0.013, FC = 0.61**

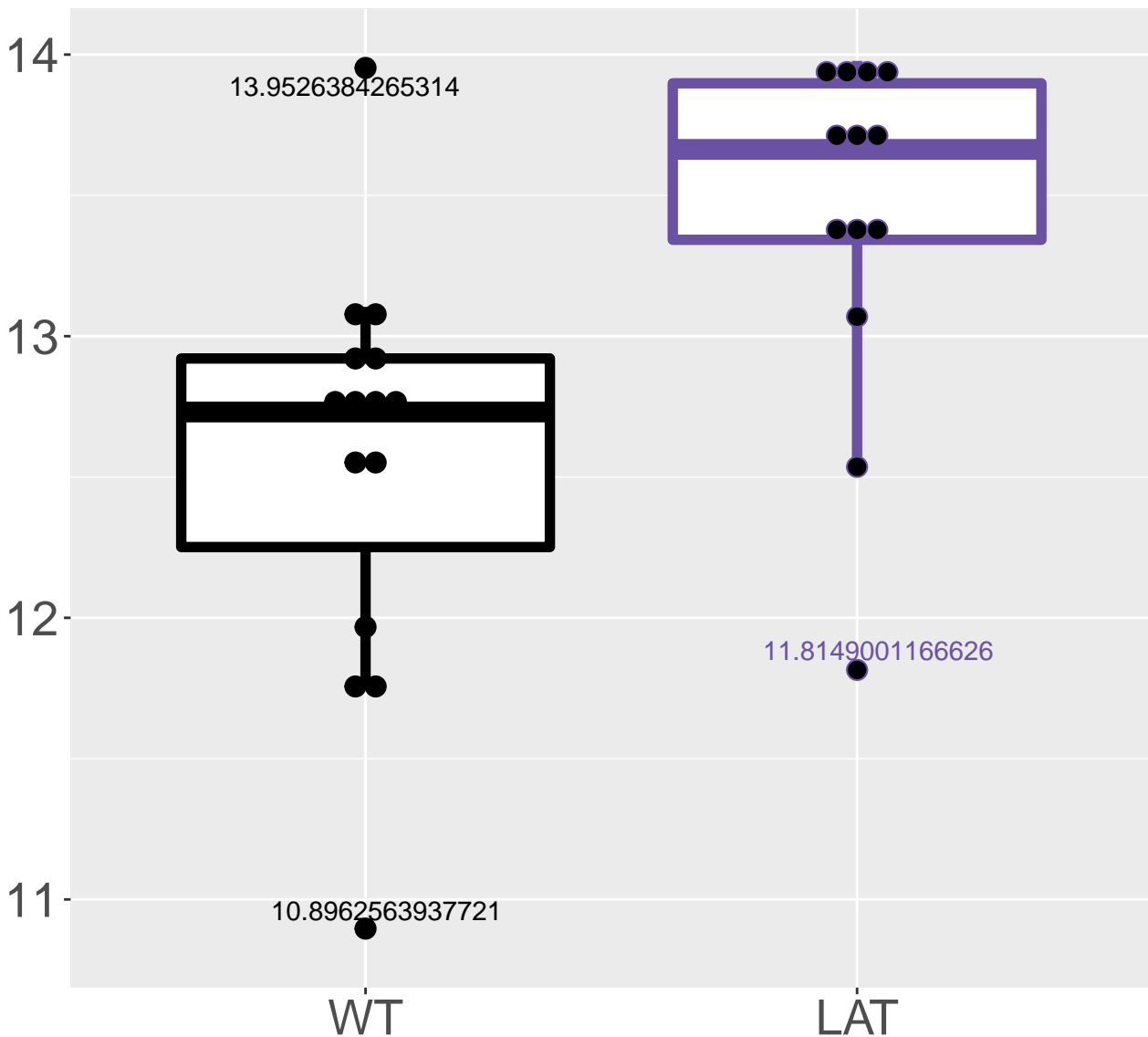


**M924.484T298.33**

**FDR = 0.013, FC = -0.78**

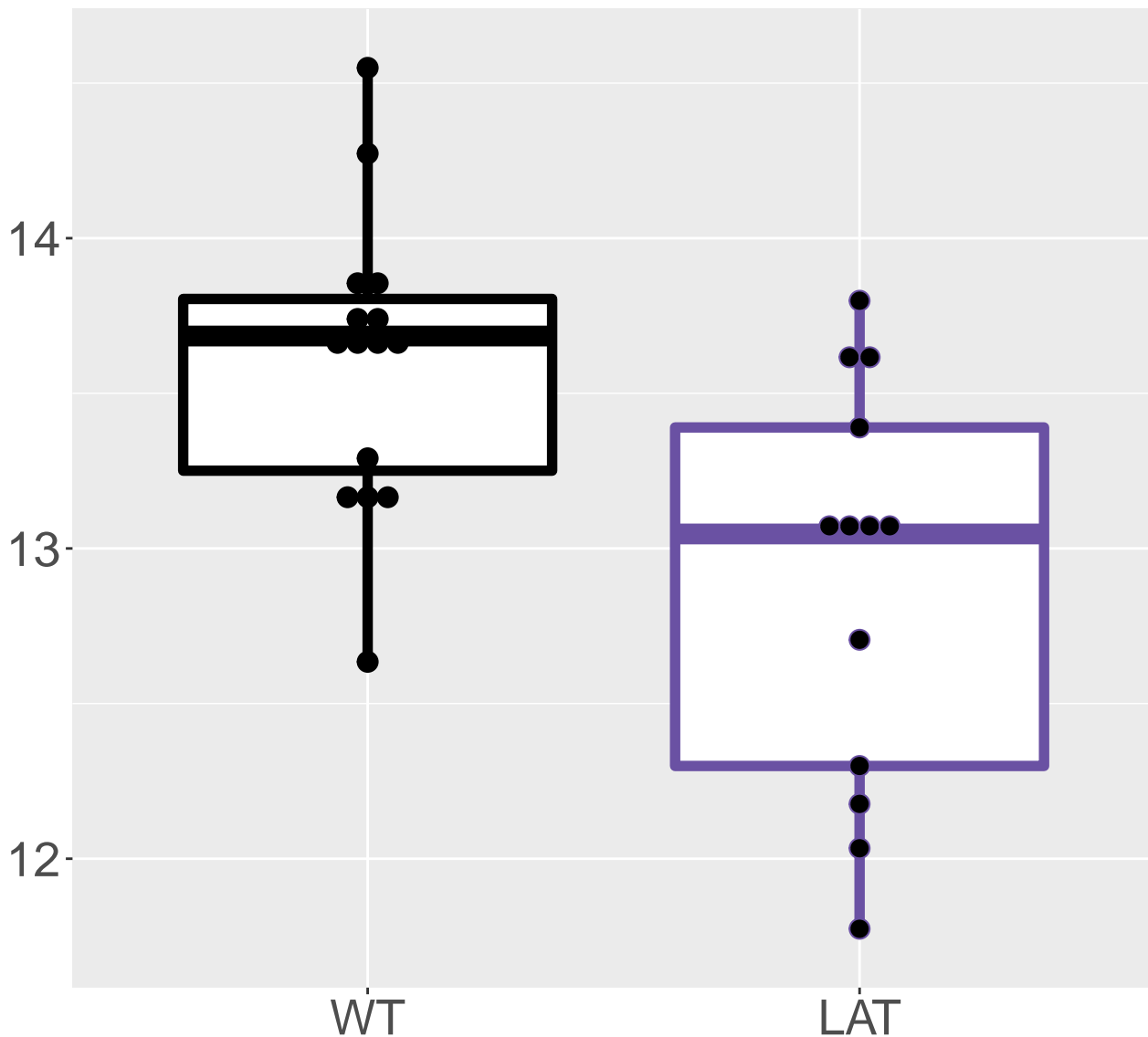


**M460.7229T193.83**  
**FDR = 0.013, FC = 0.85**



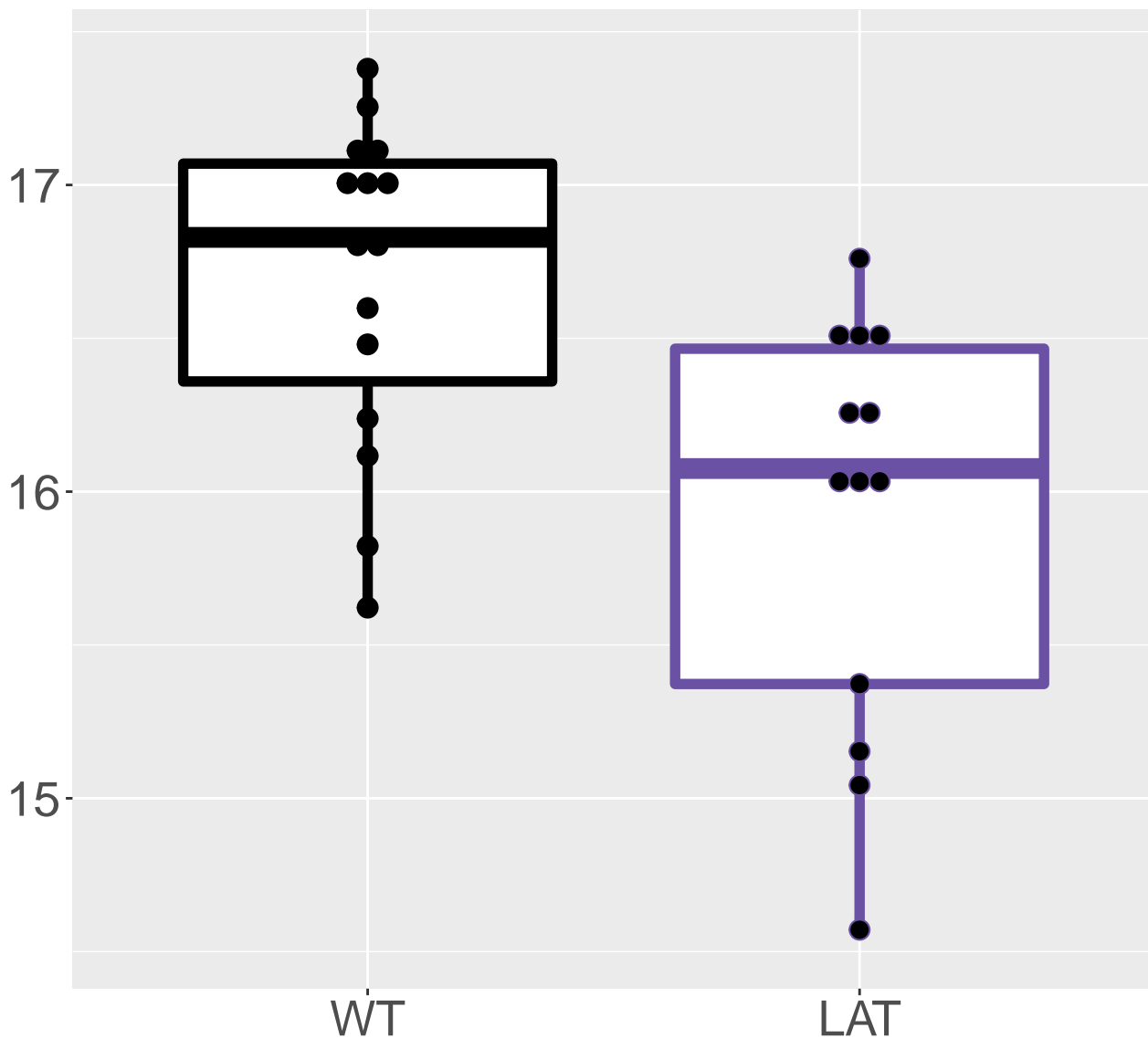
**M209.1278T178.33**

**FDR = 0.013, FC = -0.71**

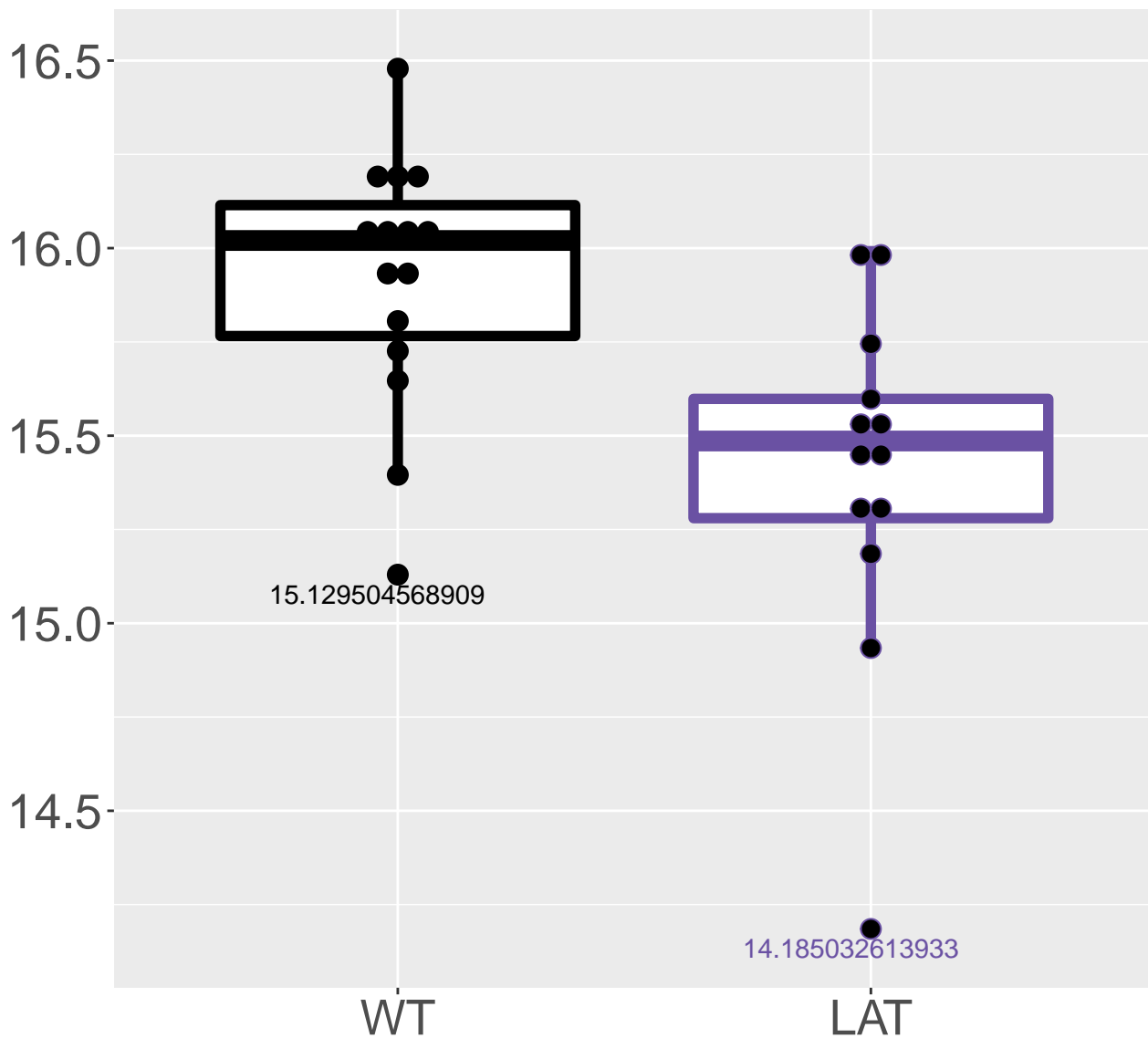


**M128.6533T75.48\_8**

**FDR = 0.013, FC = -0.76**

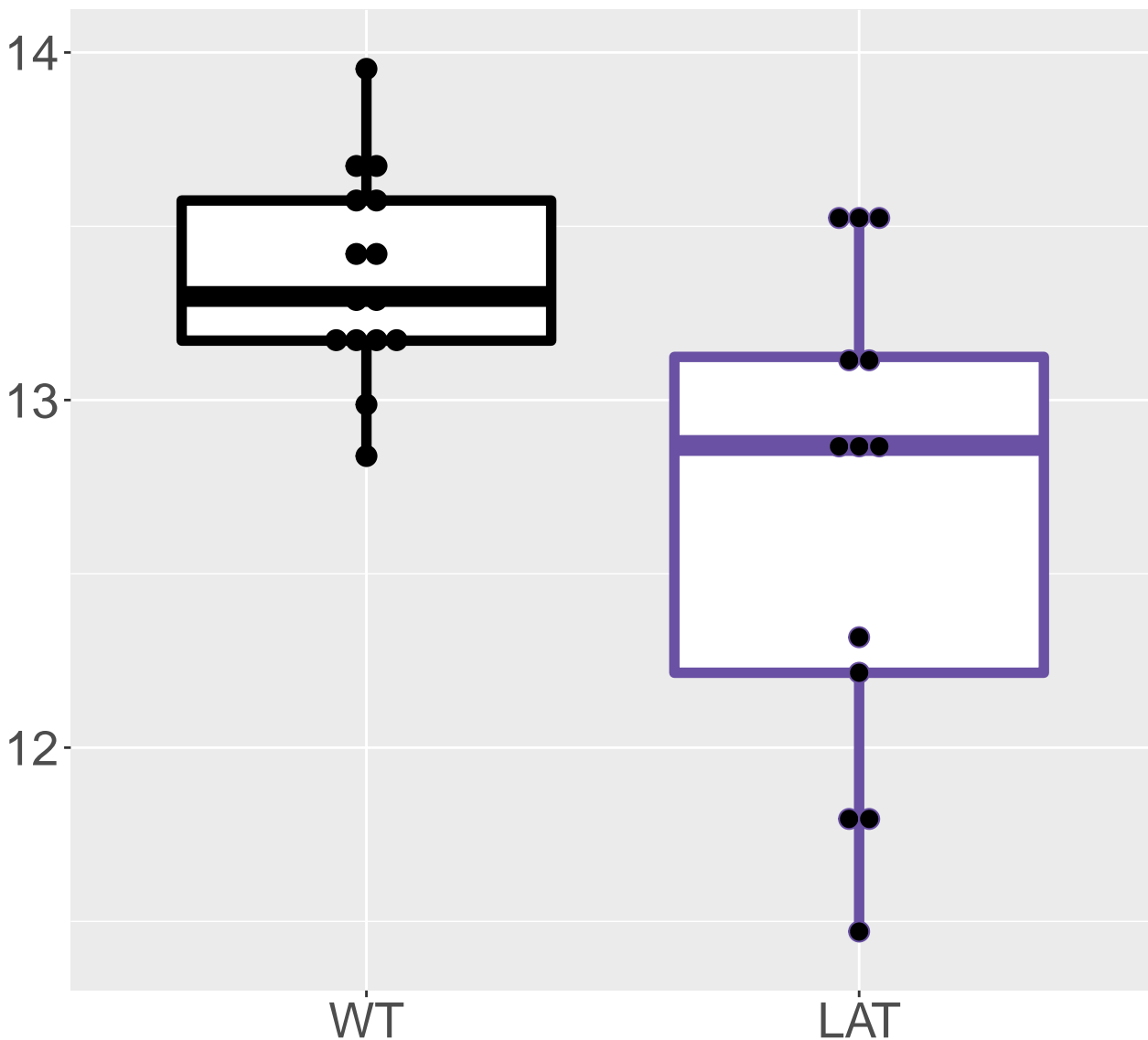


**M282.0844T64.34\_1**  
**FDR = 0.013, FC = -0.52**



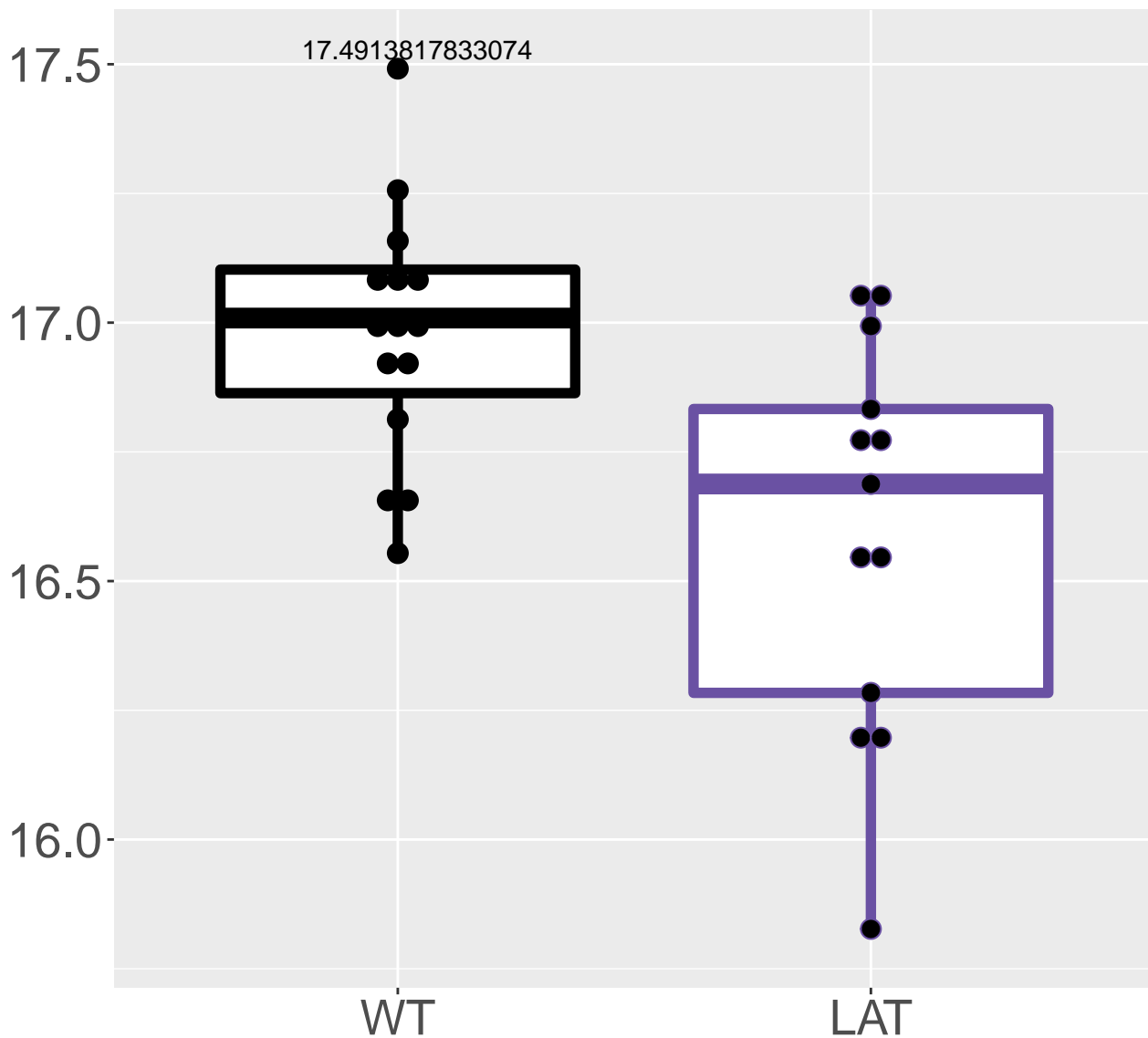
**M416.6328T272.79**

**FDR = 0.013, FC = -0.67**



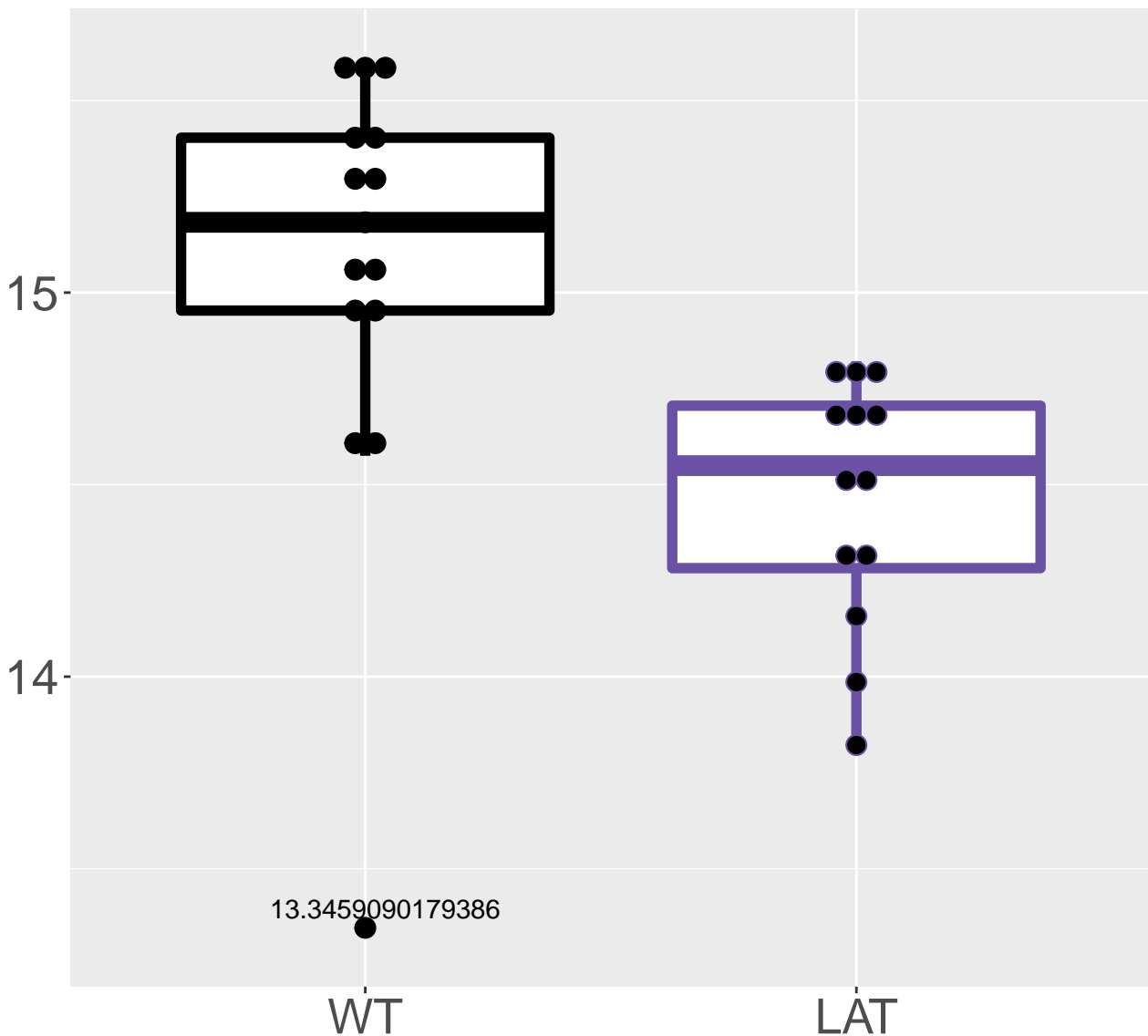
**M359.0012T43.4**

**FDR = 0.013, FC = -0.38, sex\***



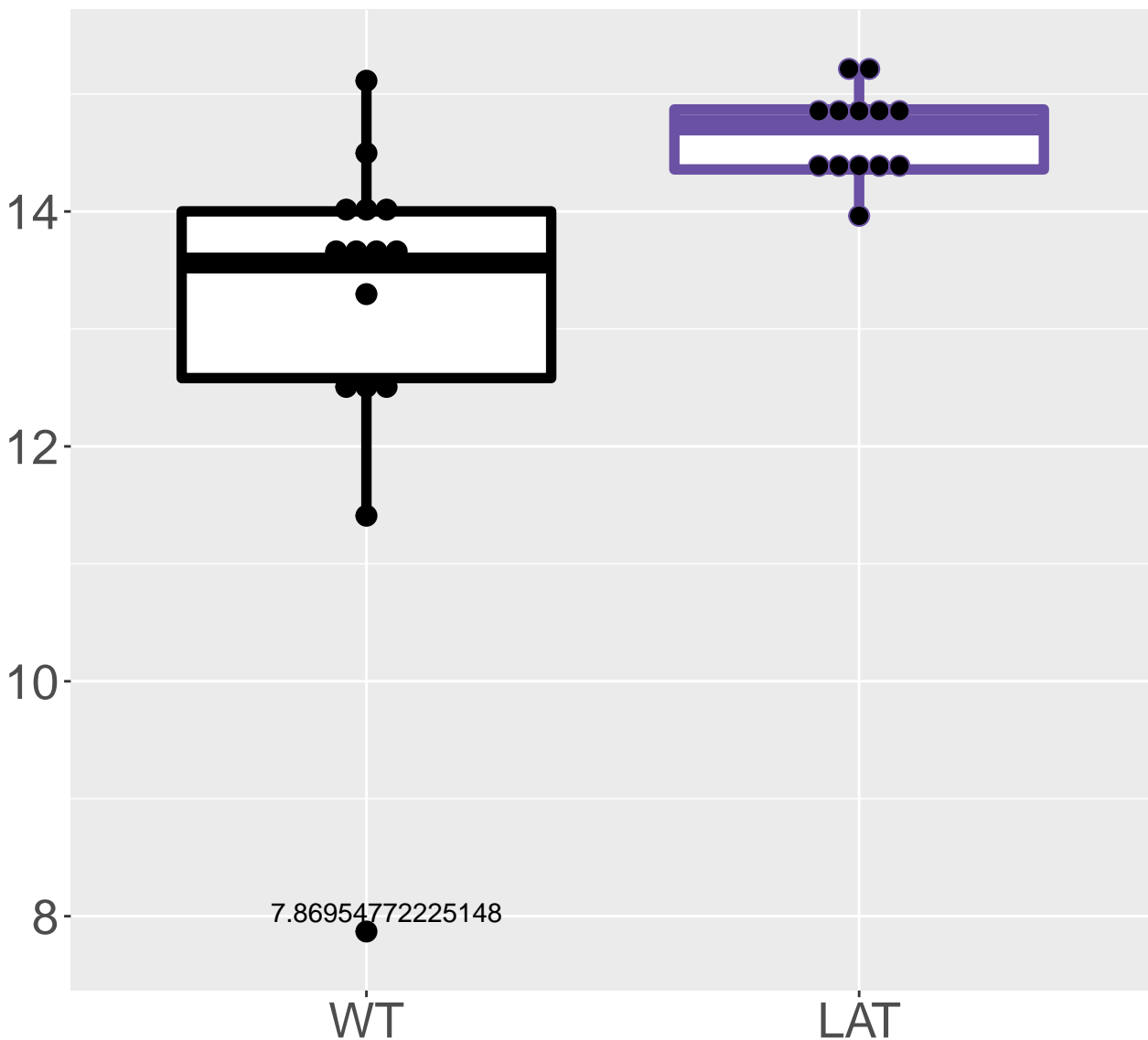


**M606.3265T296.73\_2**  
**FDR = 0.013, FC = -0.6**

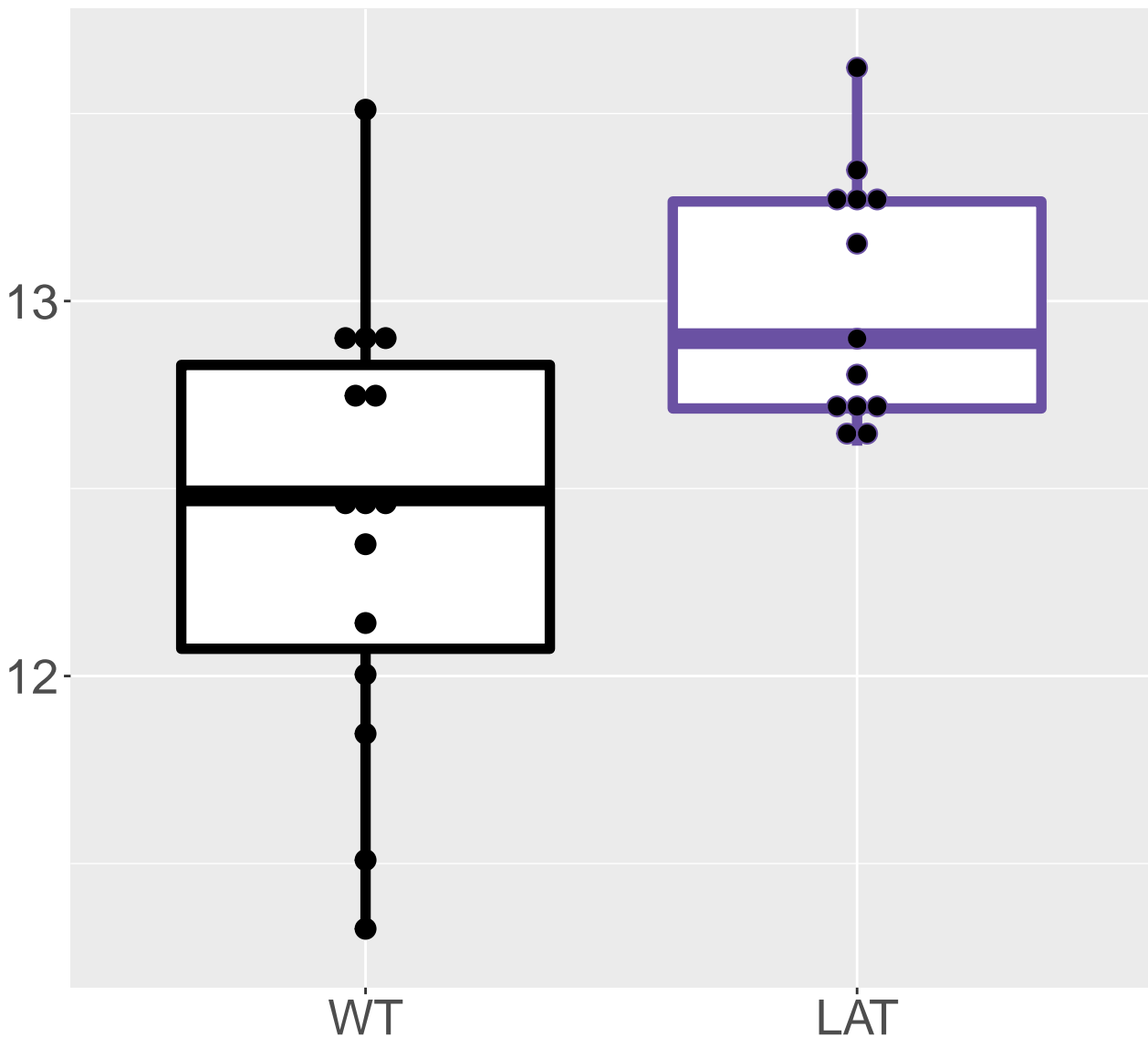


**M543.5397T127.1\_1**

**FDR = 0.013, FC = 1.6**

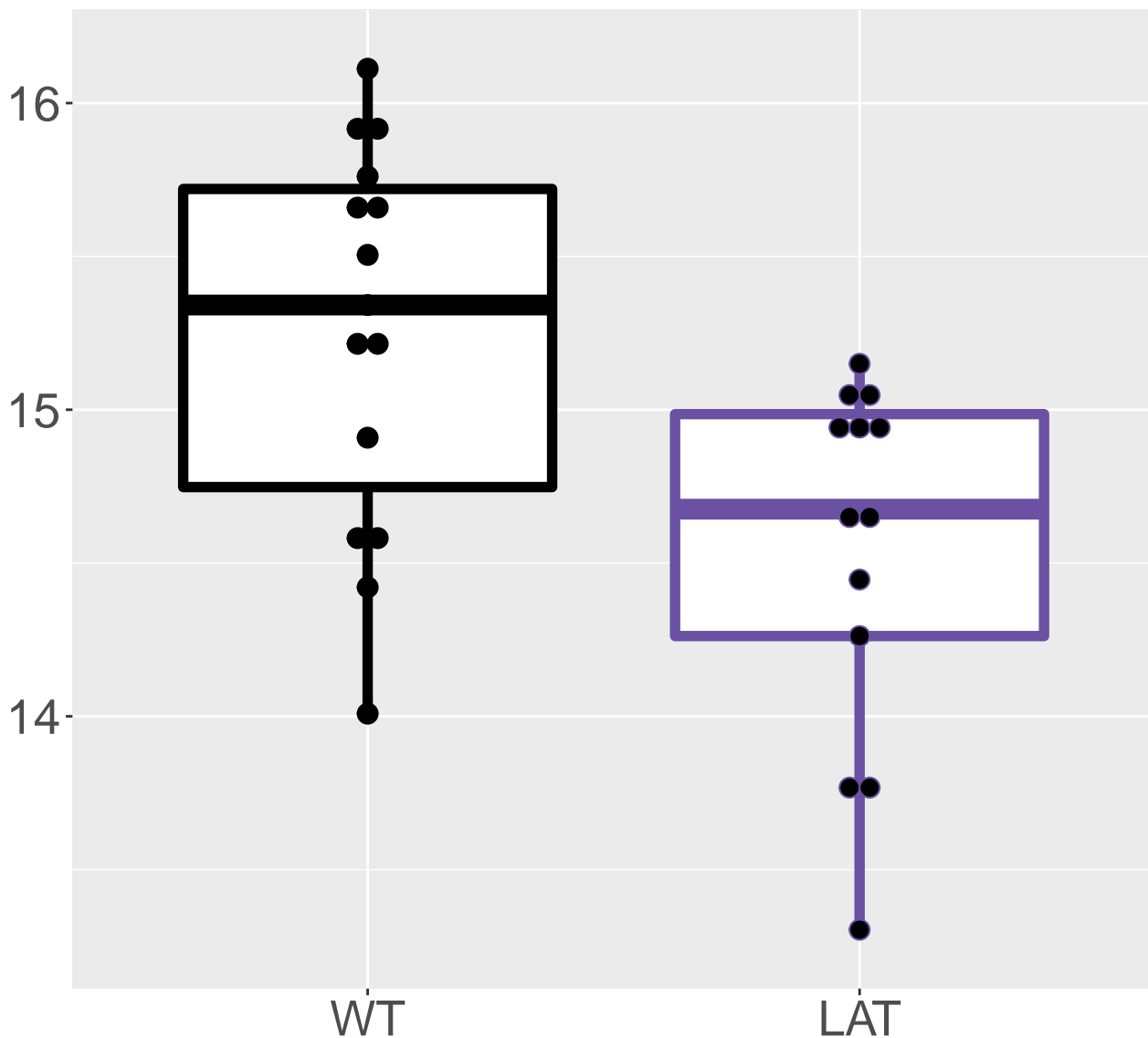


**M647.3032T195.01**  
**FDR = 0.013, FC = 0.59**

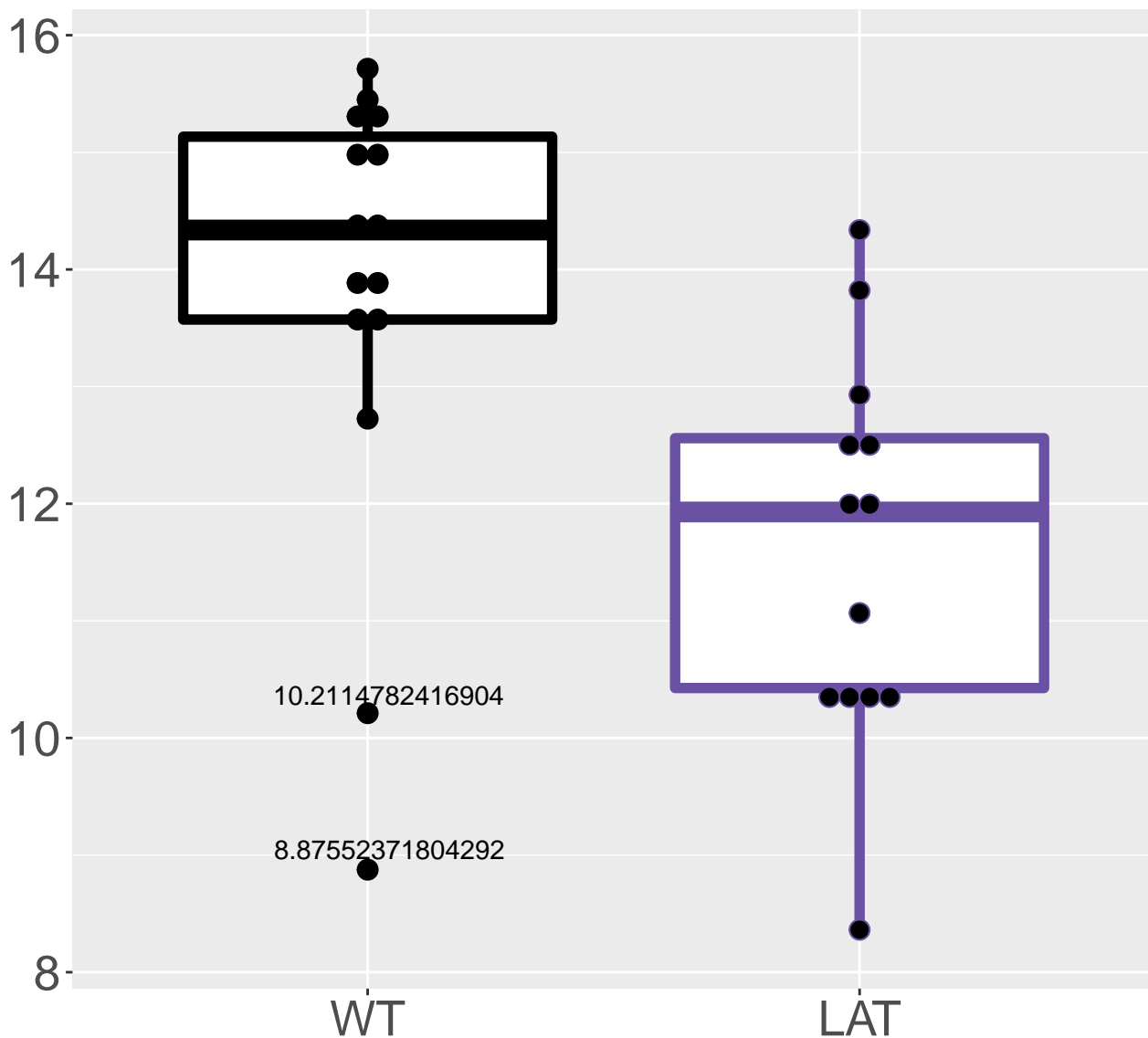


**M173.0631T113.2\_6**

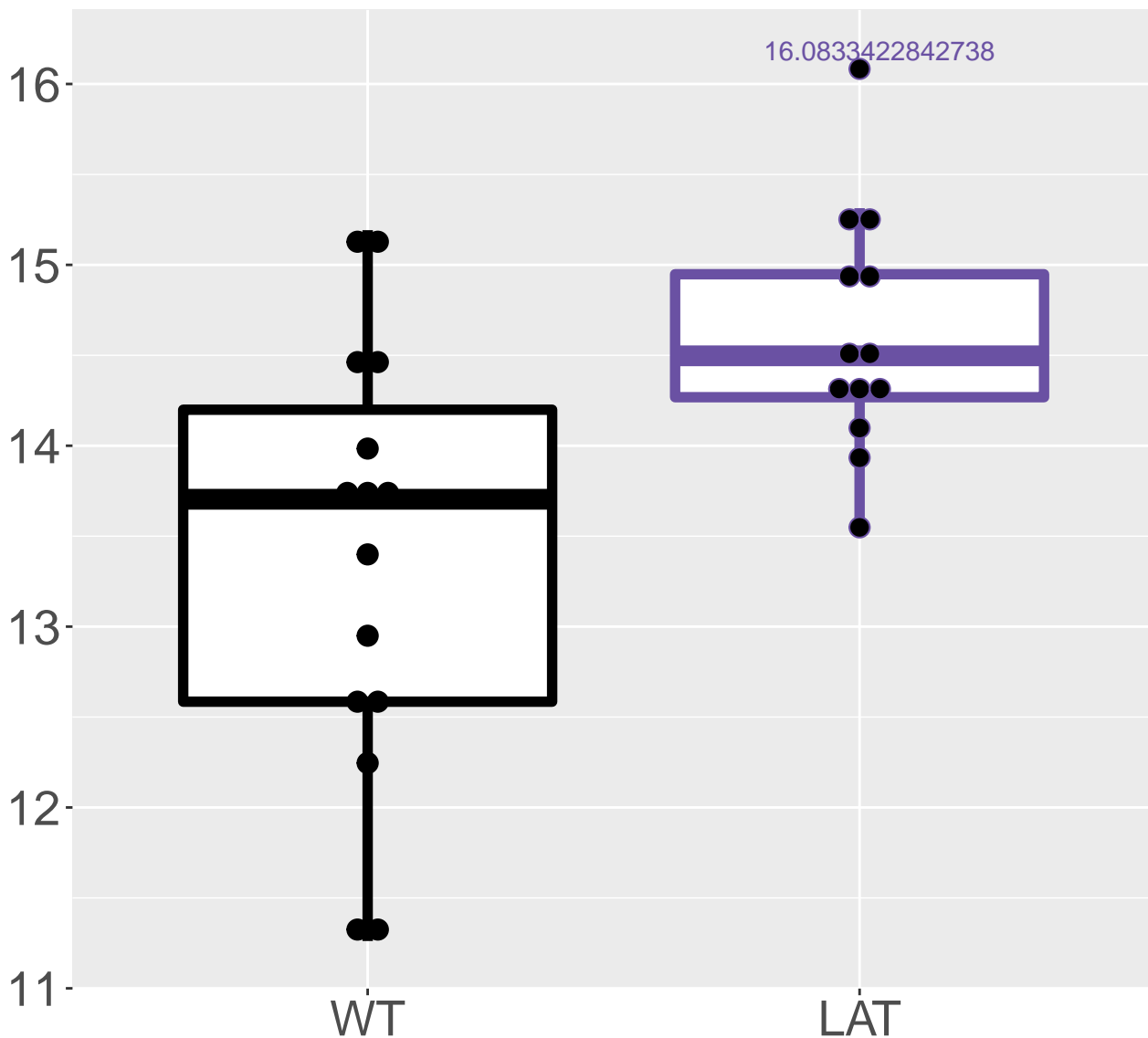
**FDR = 0.013, FC = -0.72**



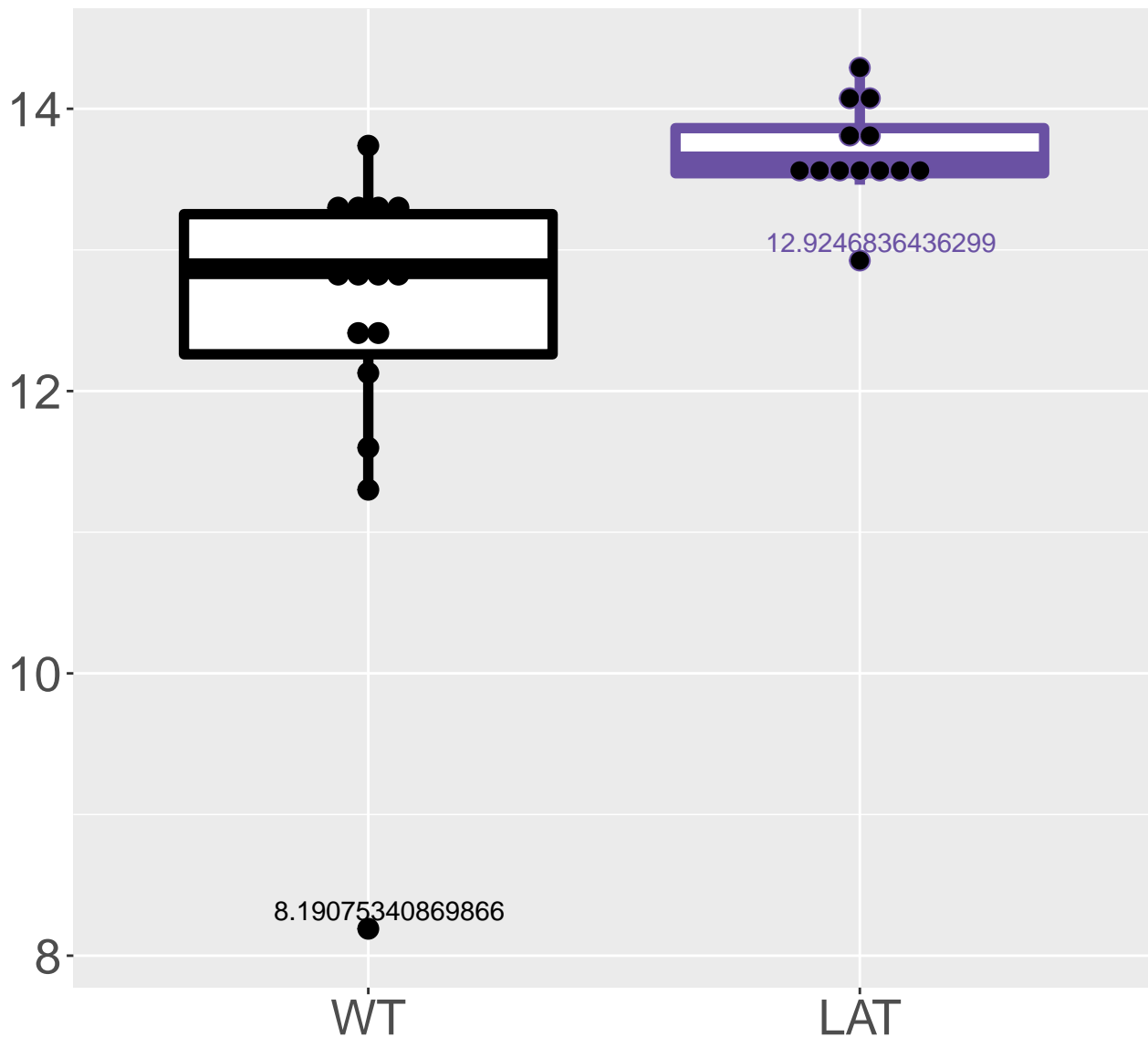
**M610.7211T360.85\_1**  
**FDR = 0.013, FC = -2.2**



**M345.7151T321.03**  
**FDR = 0.013, FC = 1.2**

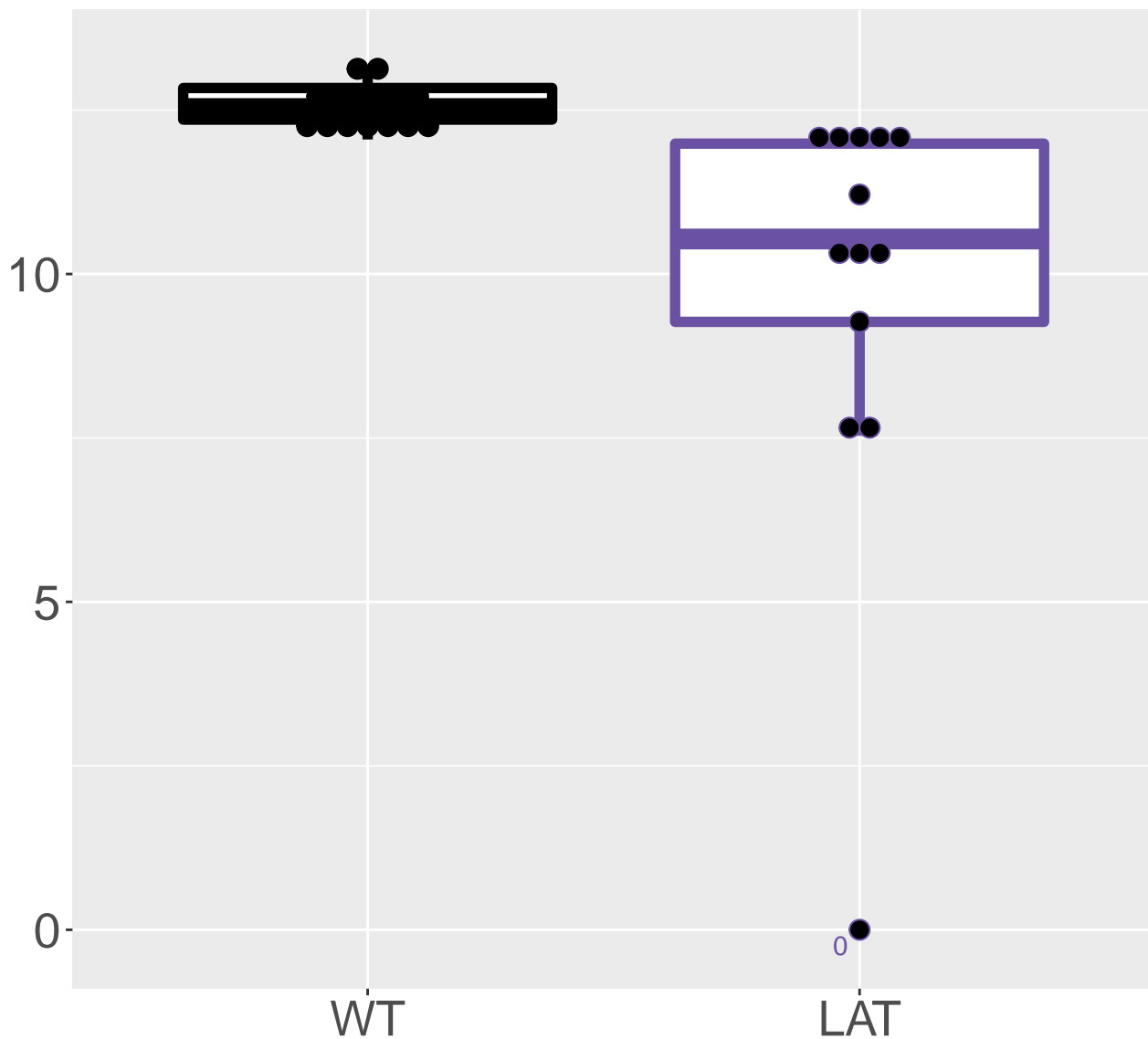


**M563.6177T203.29\_1**  
**FDR = 0.013, FC = 1.3**



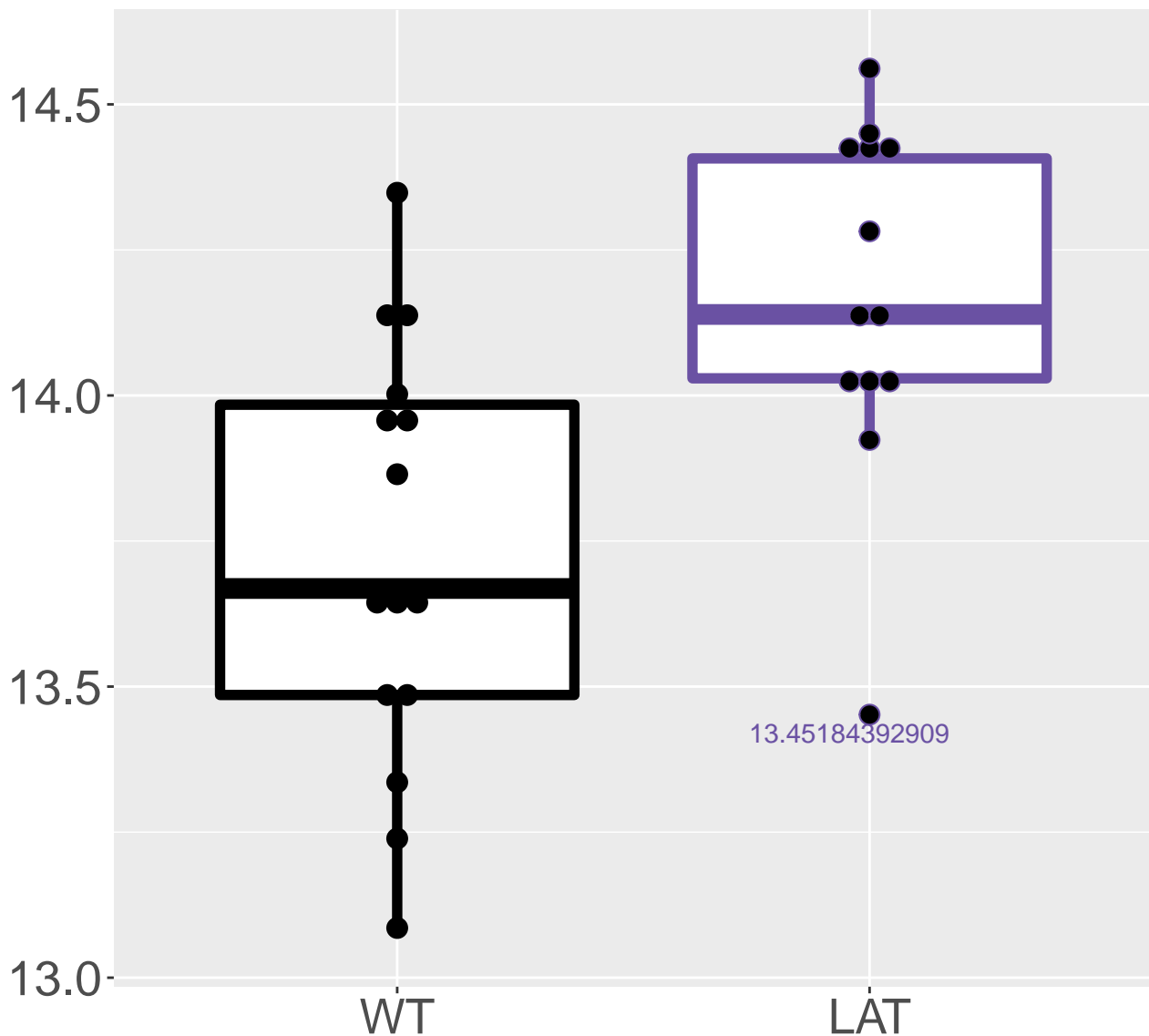
**M535.7157T266.84**

**FDR = 0.013, FC = -2.8**

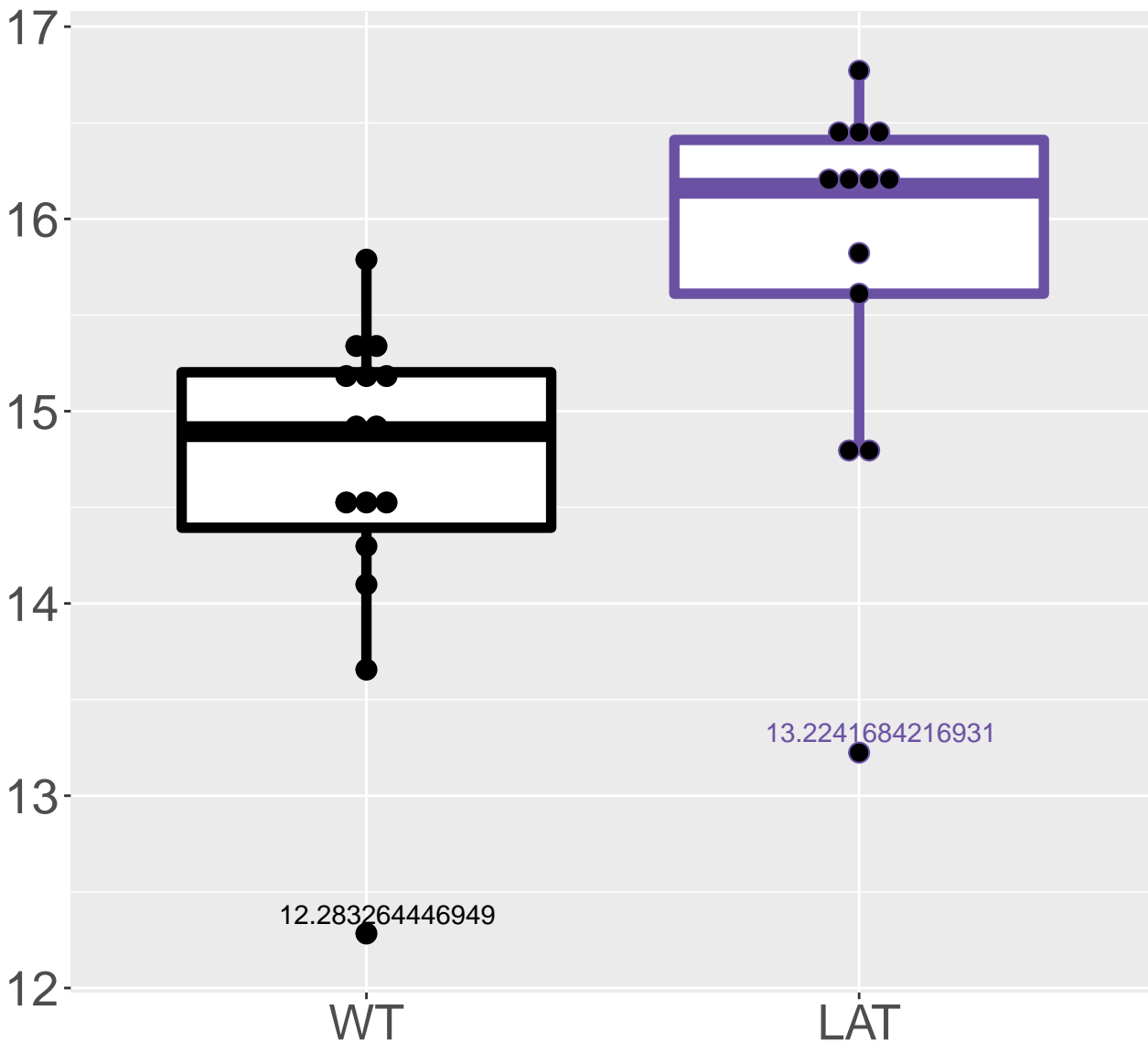




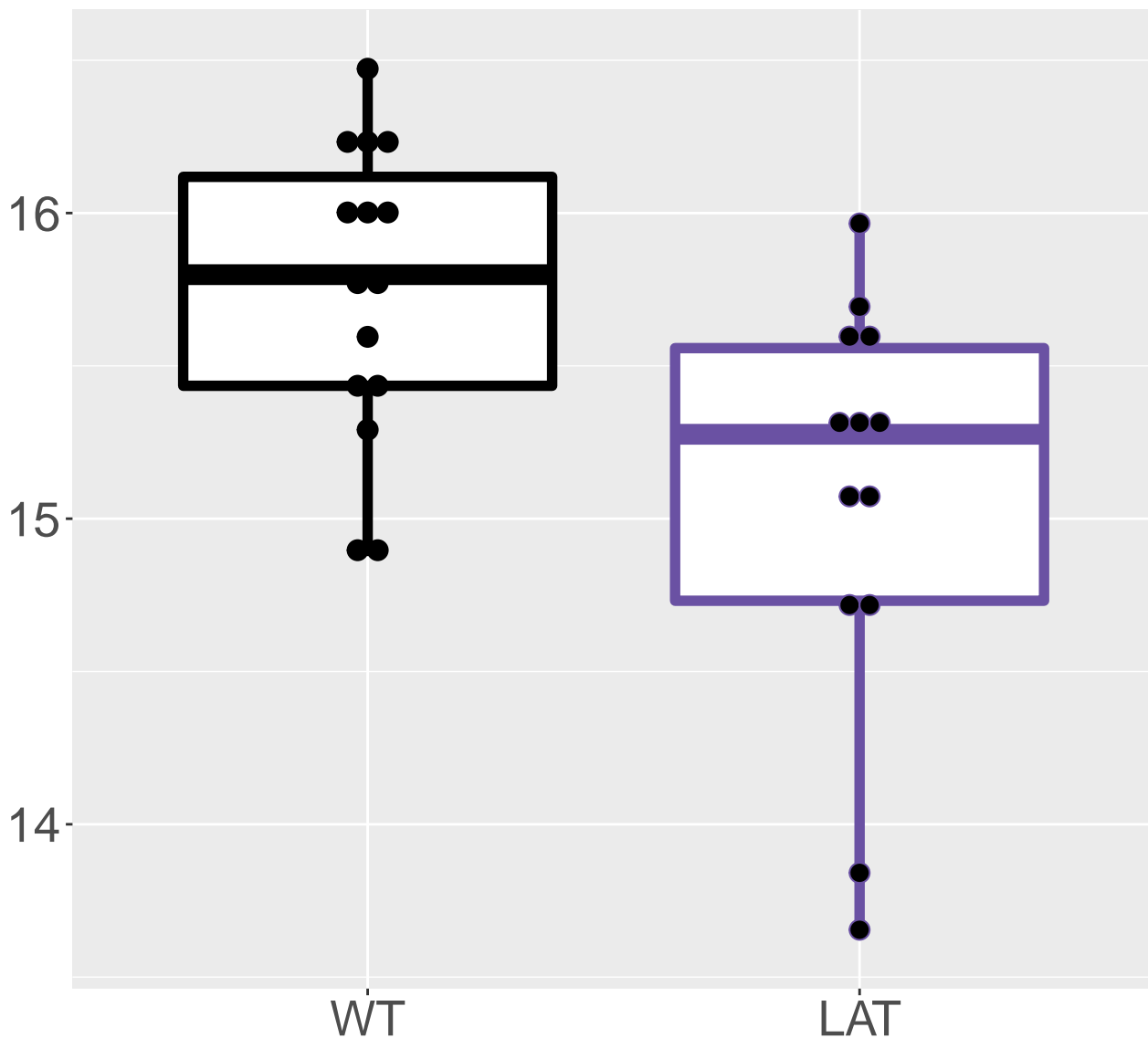
**M556.7792T43.22\_1**  
**FDR = 0.013, FC = 0.44**



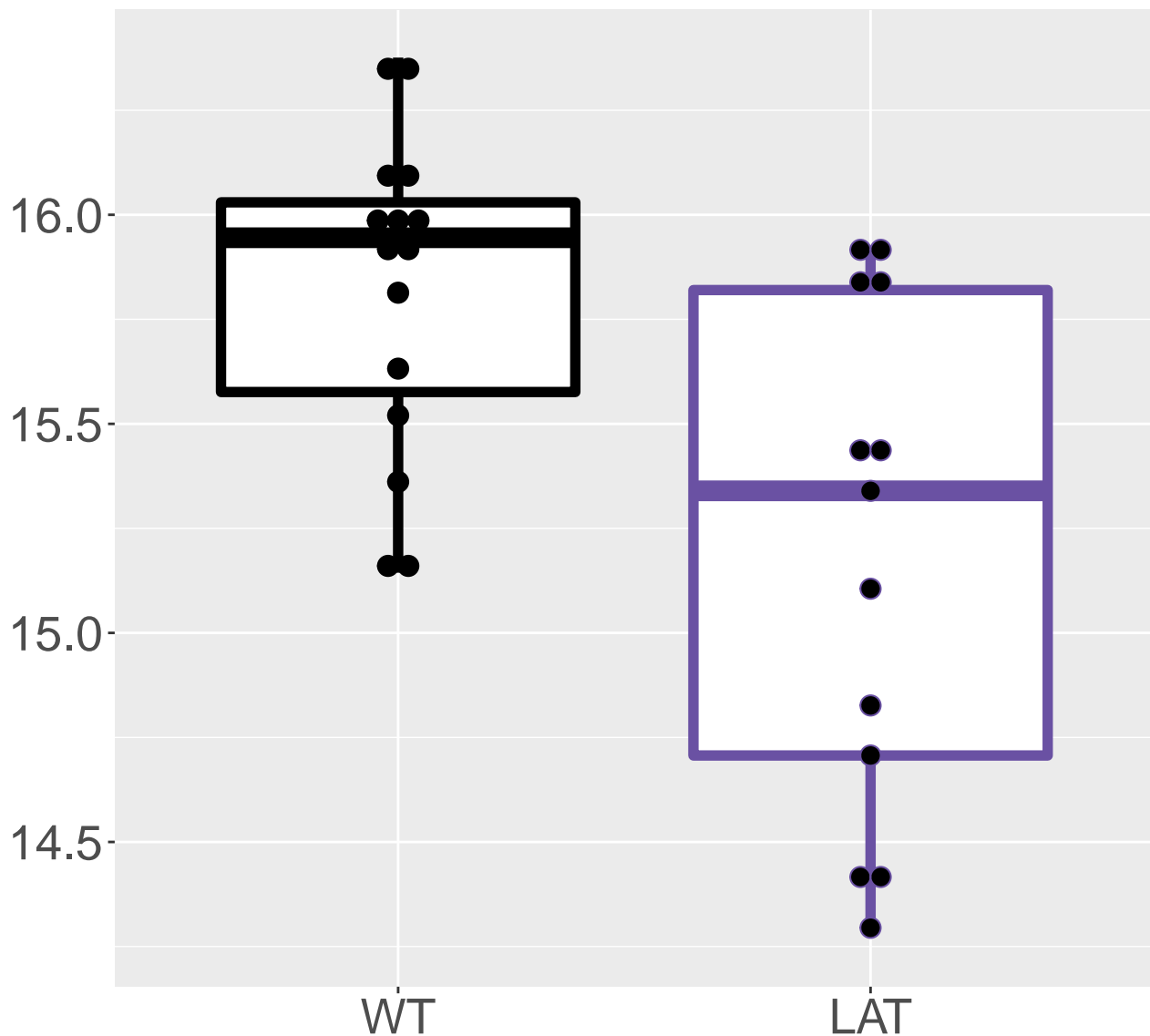
**FDR = 0.013, FC = 1.1**



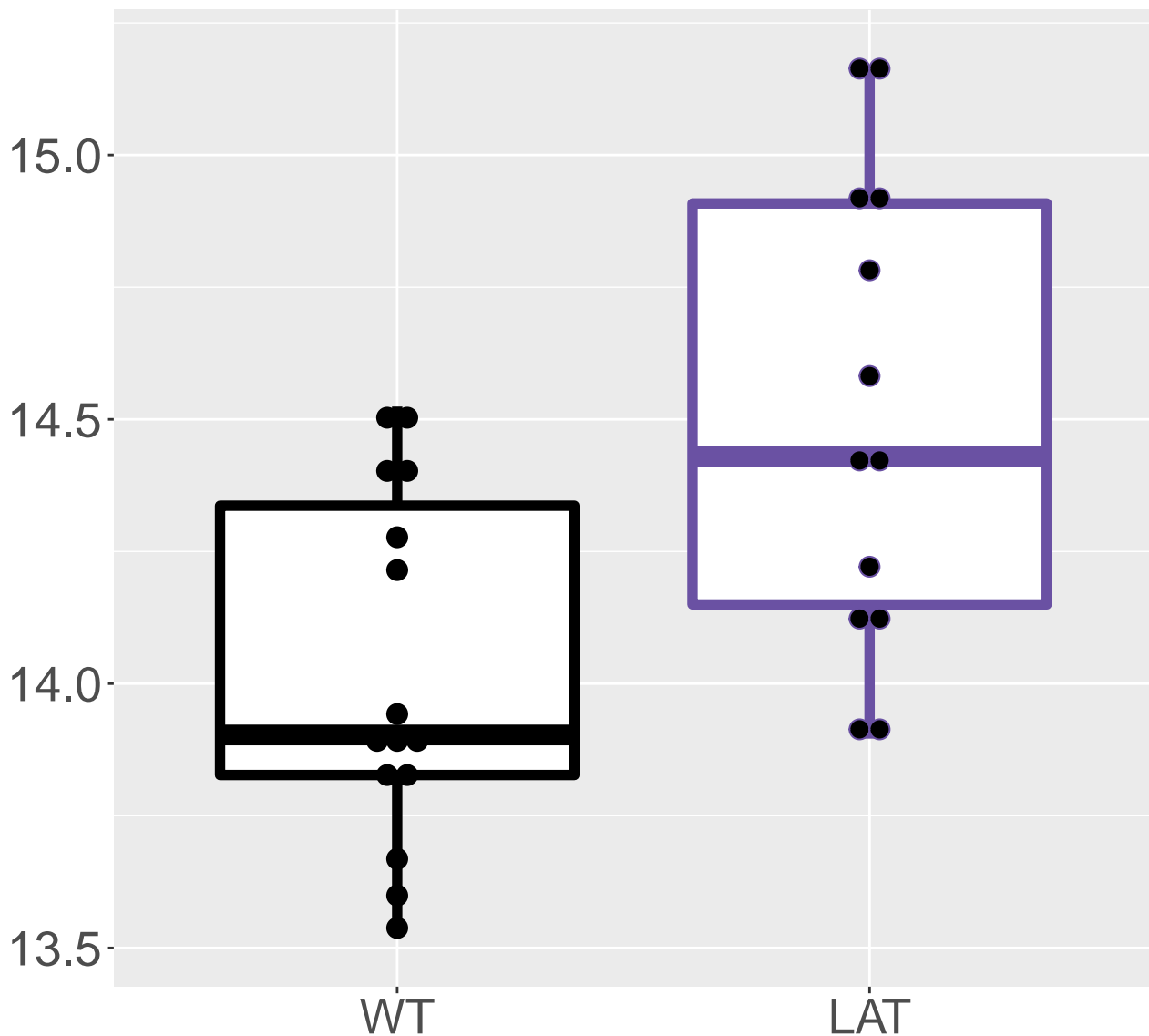
**M160.7091T113.18\_9**  
**FDR = 0.013, FC = -0.68**



**M159.5327T113.11\_1**  
**FDR = 0.013, FC = -0.63**

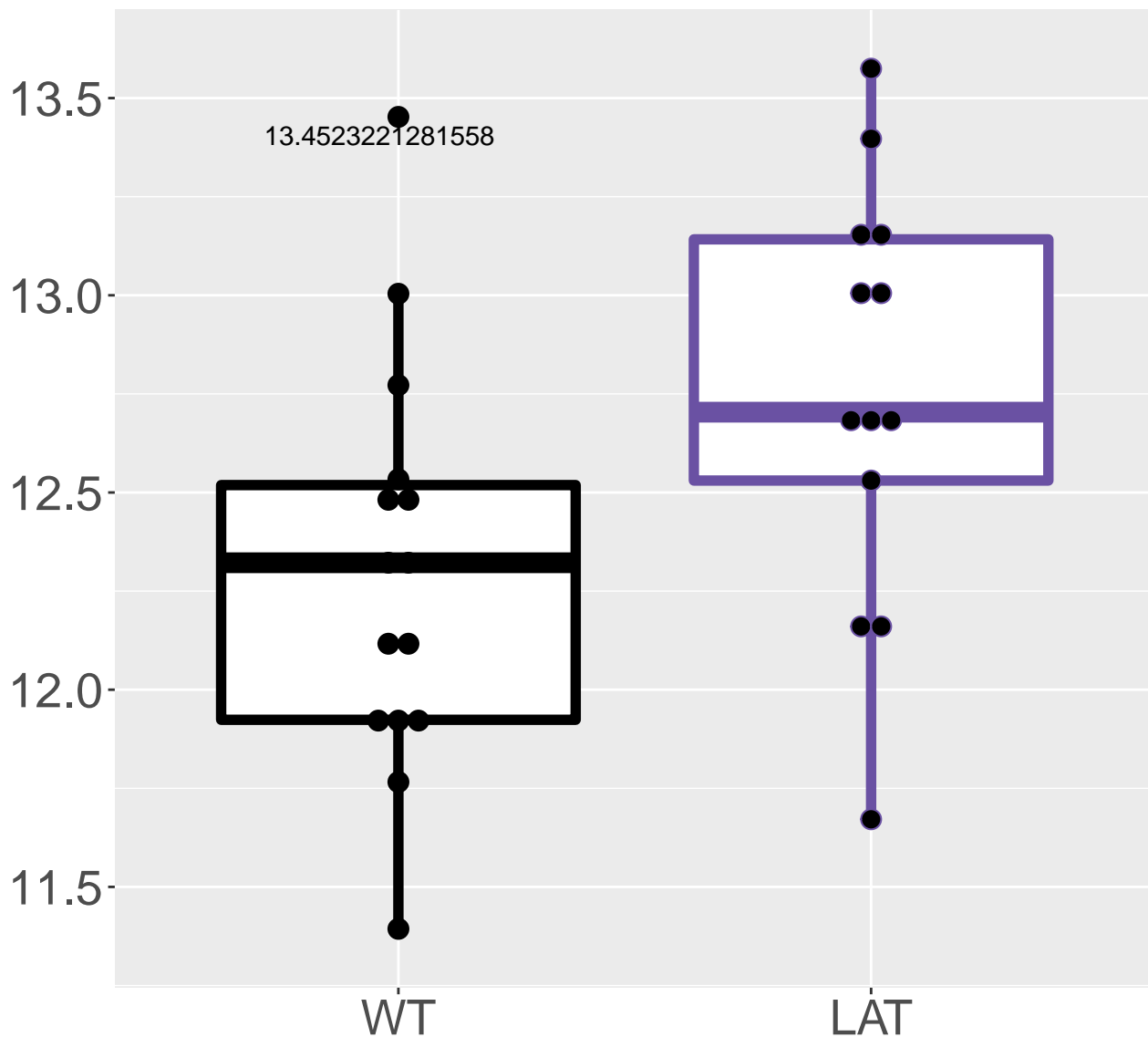


**M157.0865T349.52**  
**FDR = 0.013, FC = 0.49**



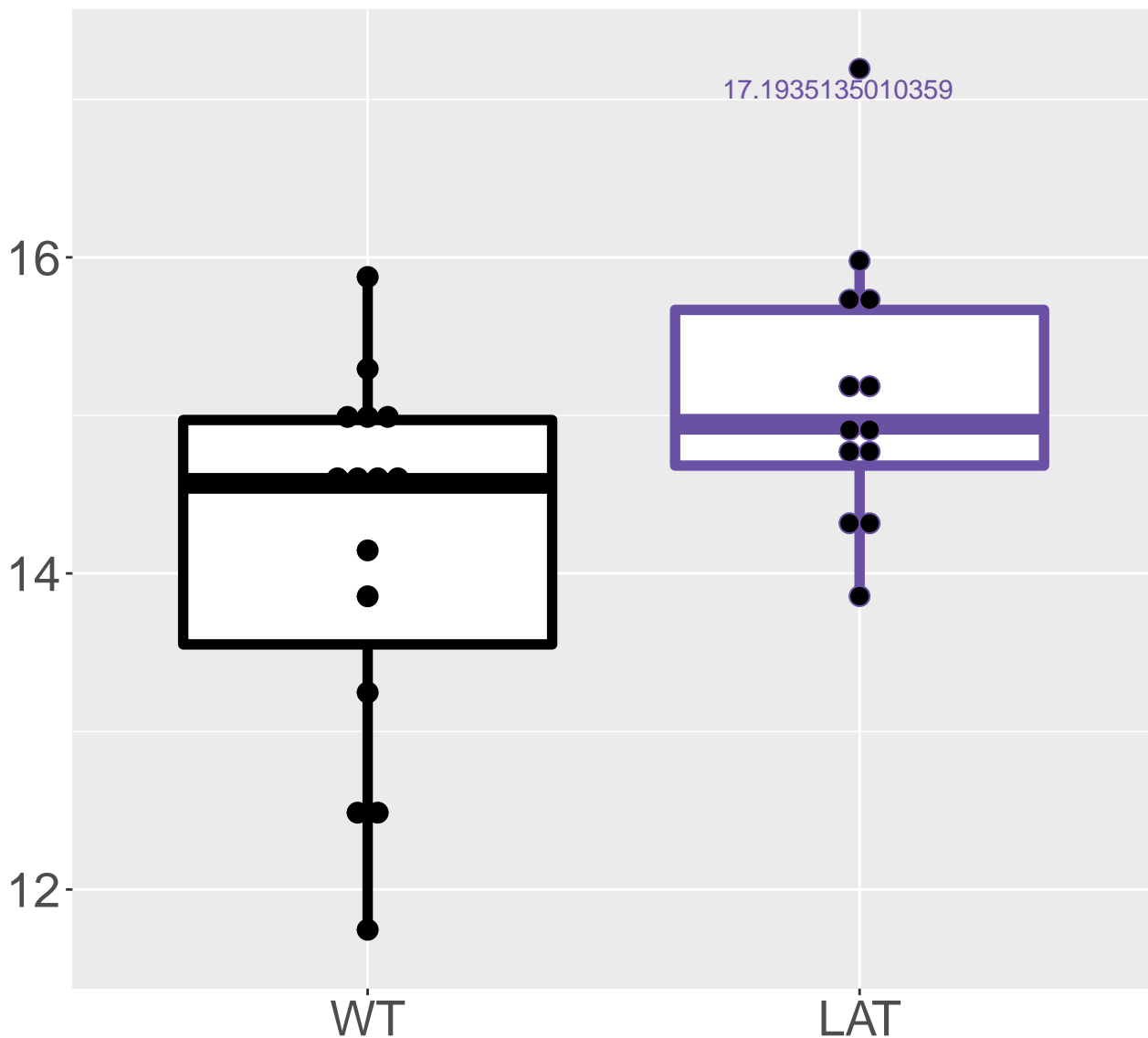
**M569.8278T325.34\_1**

**FDR = 0.013, FC = 0.46, sex\*\***

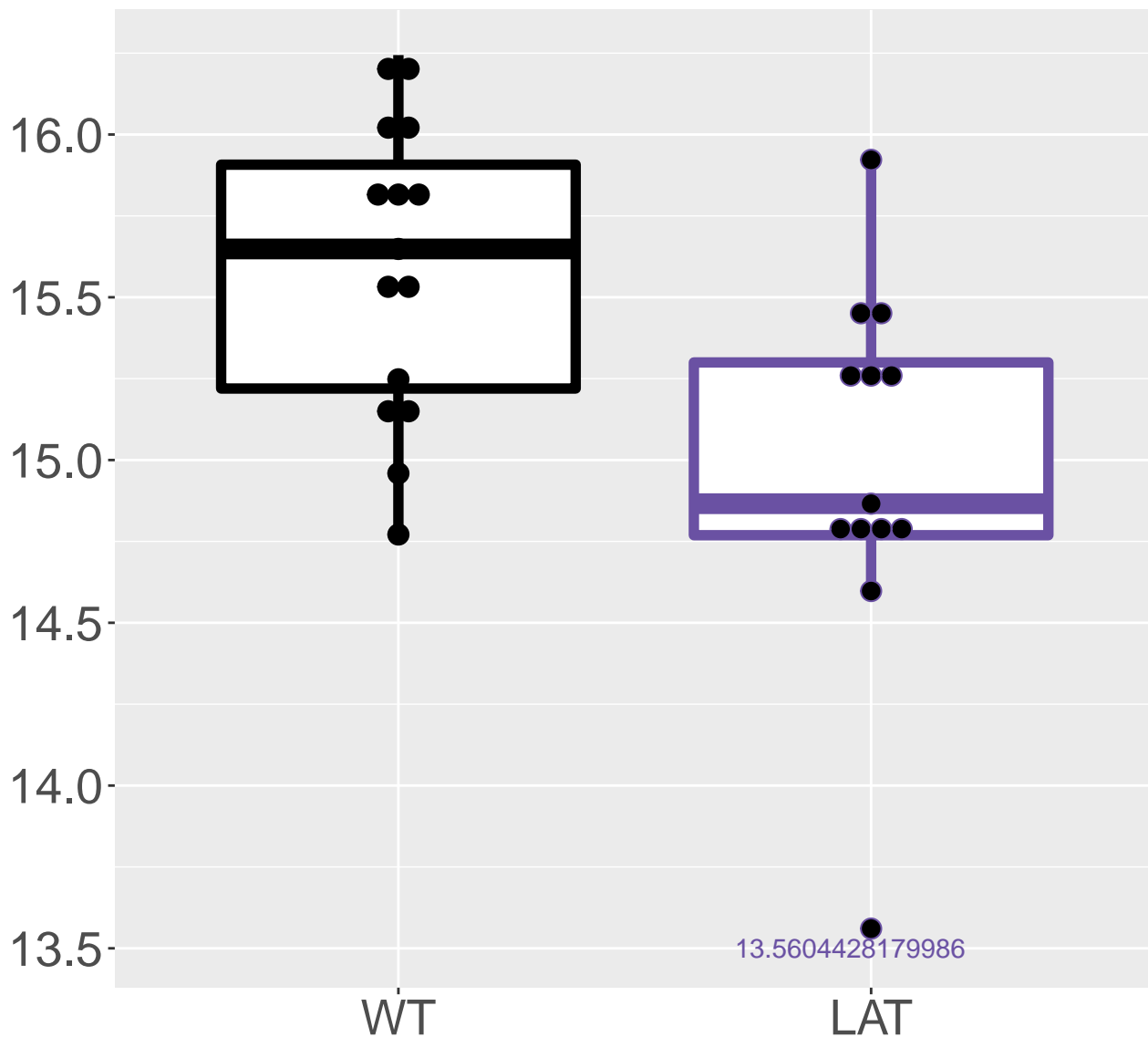


**M528.7814T487.49**

**FDR = 0.013, FC = 0.97, sex\***

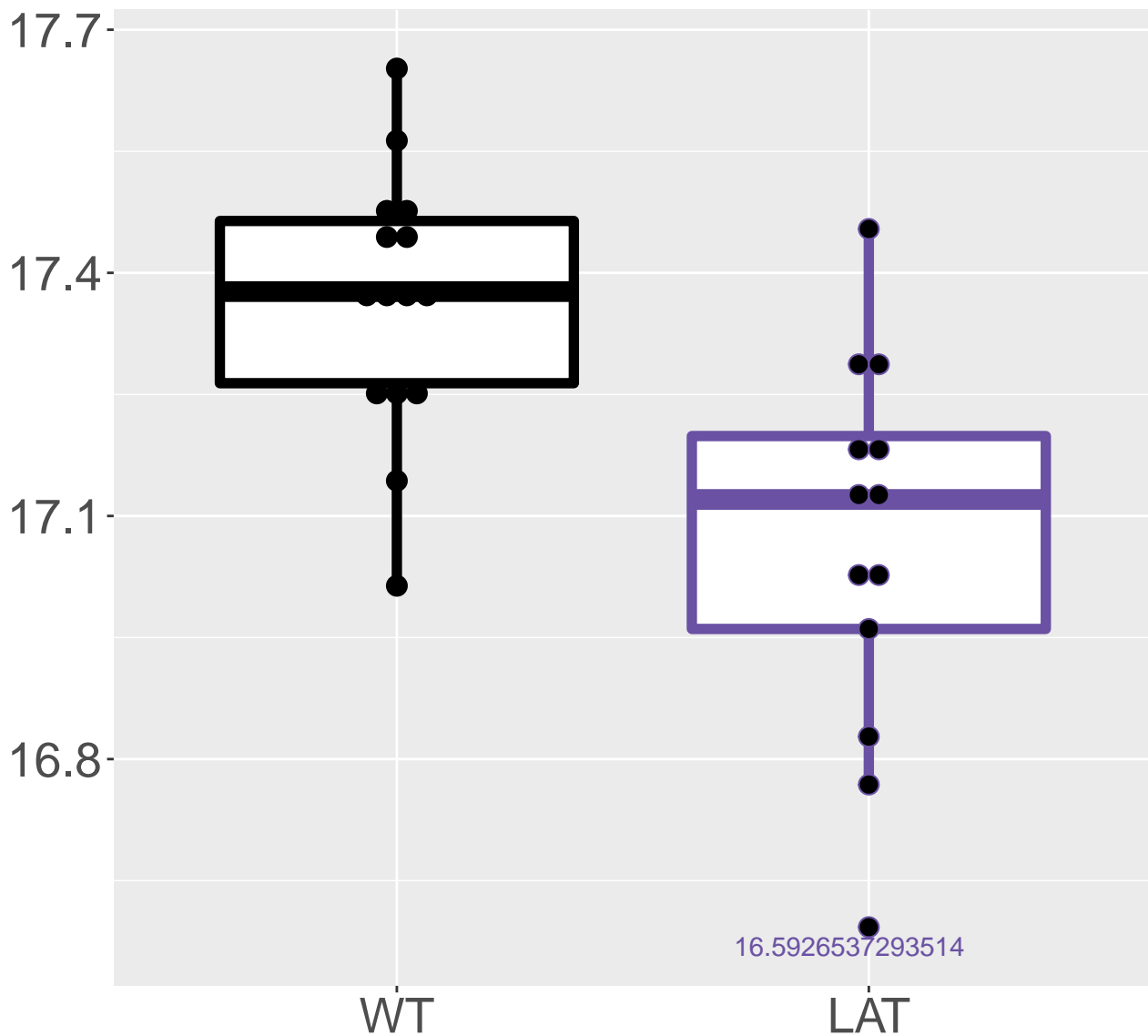


**M159.3827T113.21\_42**  
**FDR = 0.013, FC = -0.61**

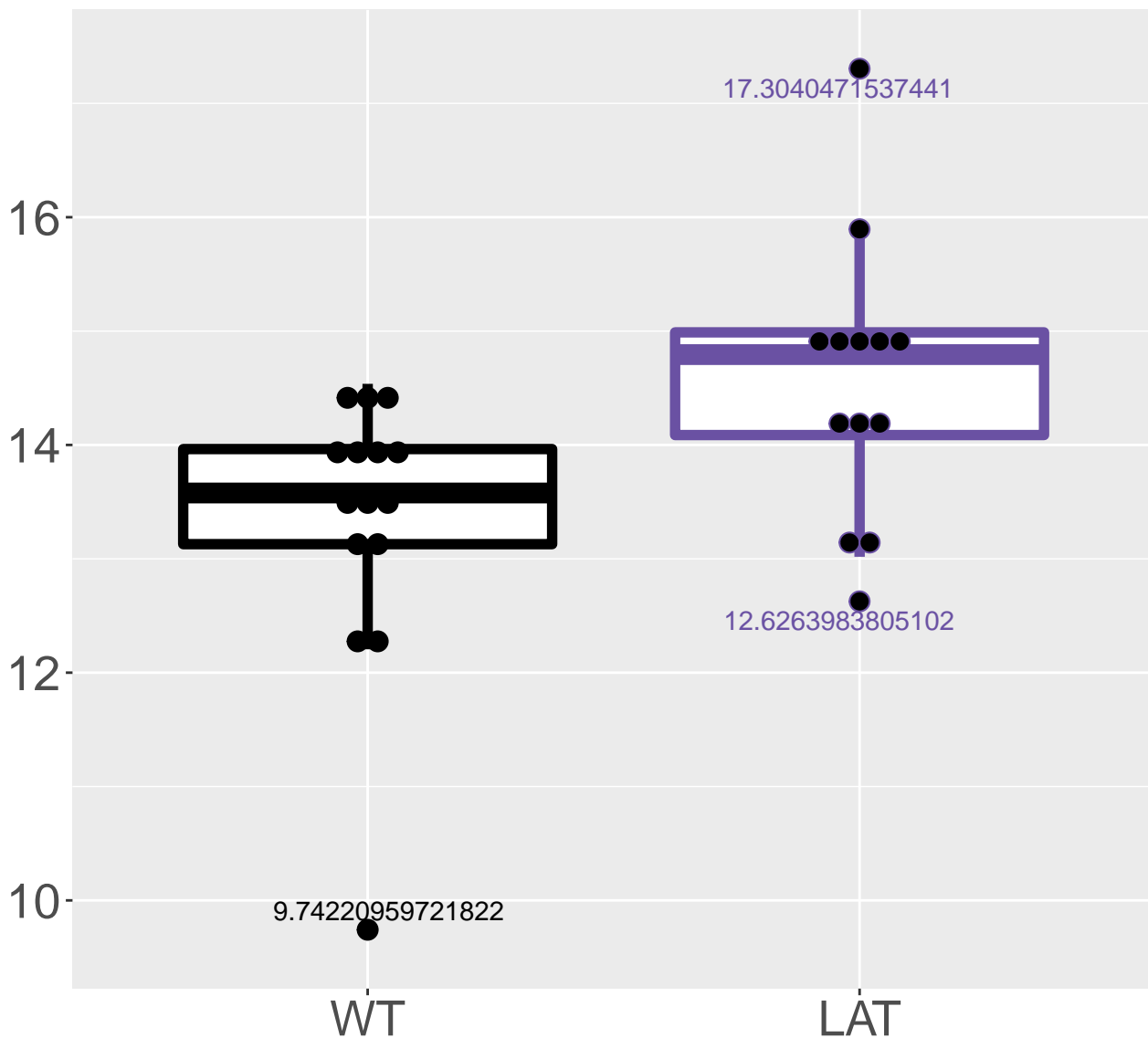




**M298.1887T42.41**  
**FDR = 0.014, FC = -0.3**

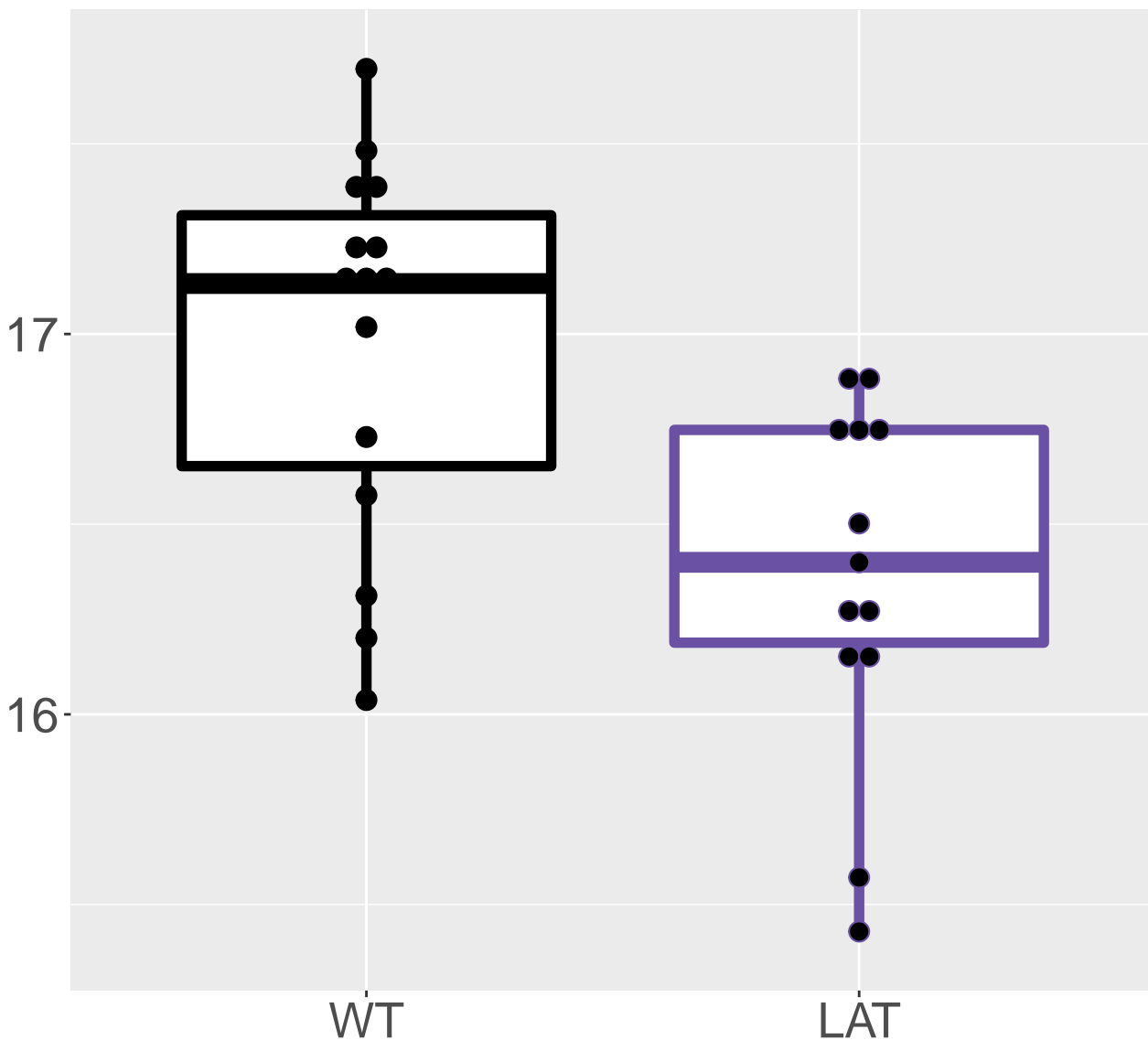


**M512.2689T439.91**  
**FDR = 0.014, FC = 1.2**



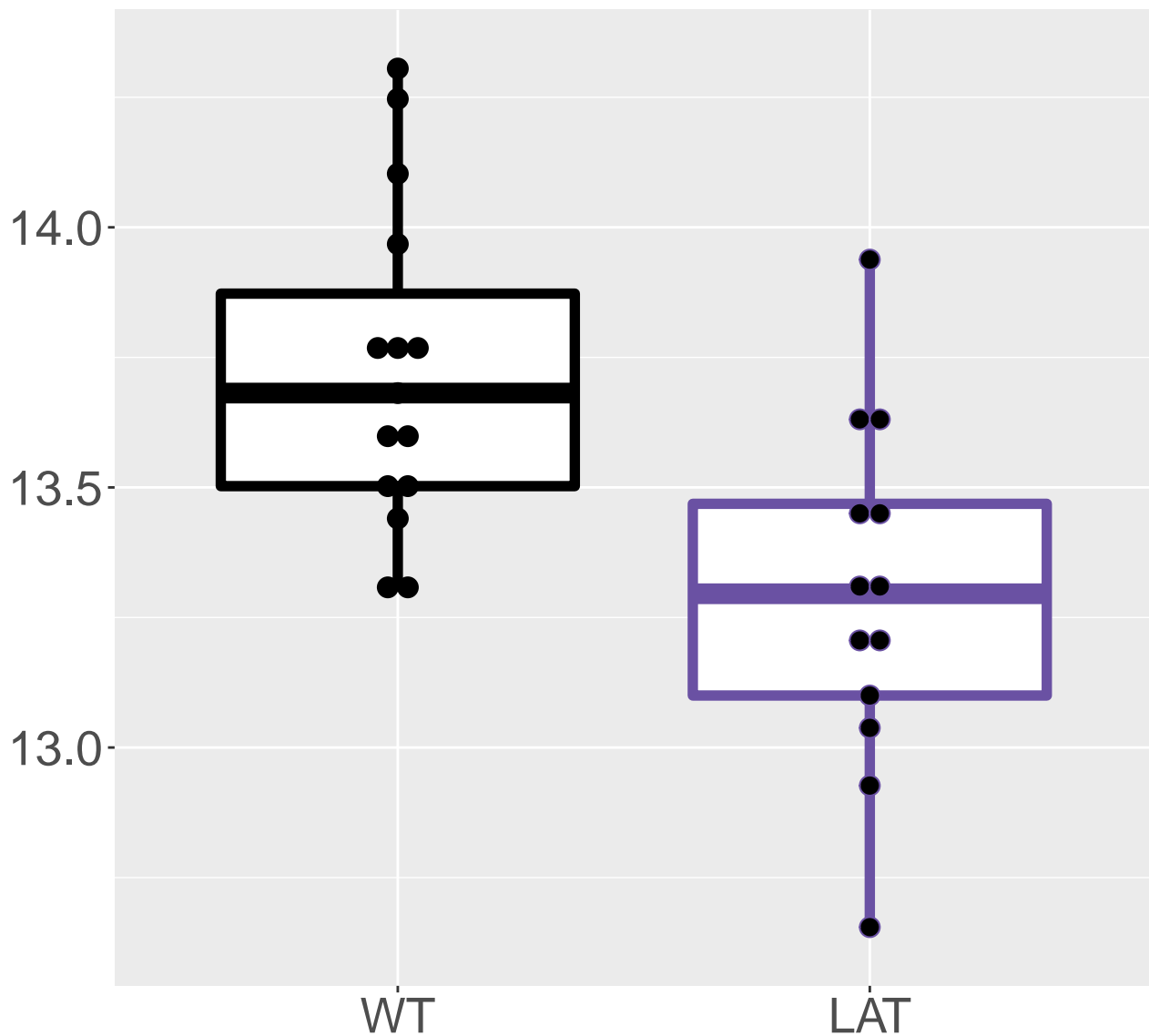
**M260.1727T46.75**

**FDR = 0.014, FC = -0.61**

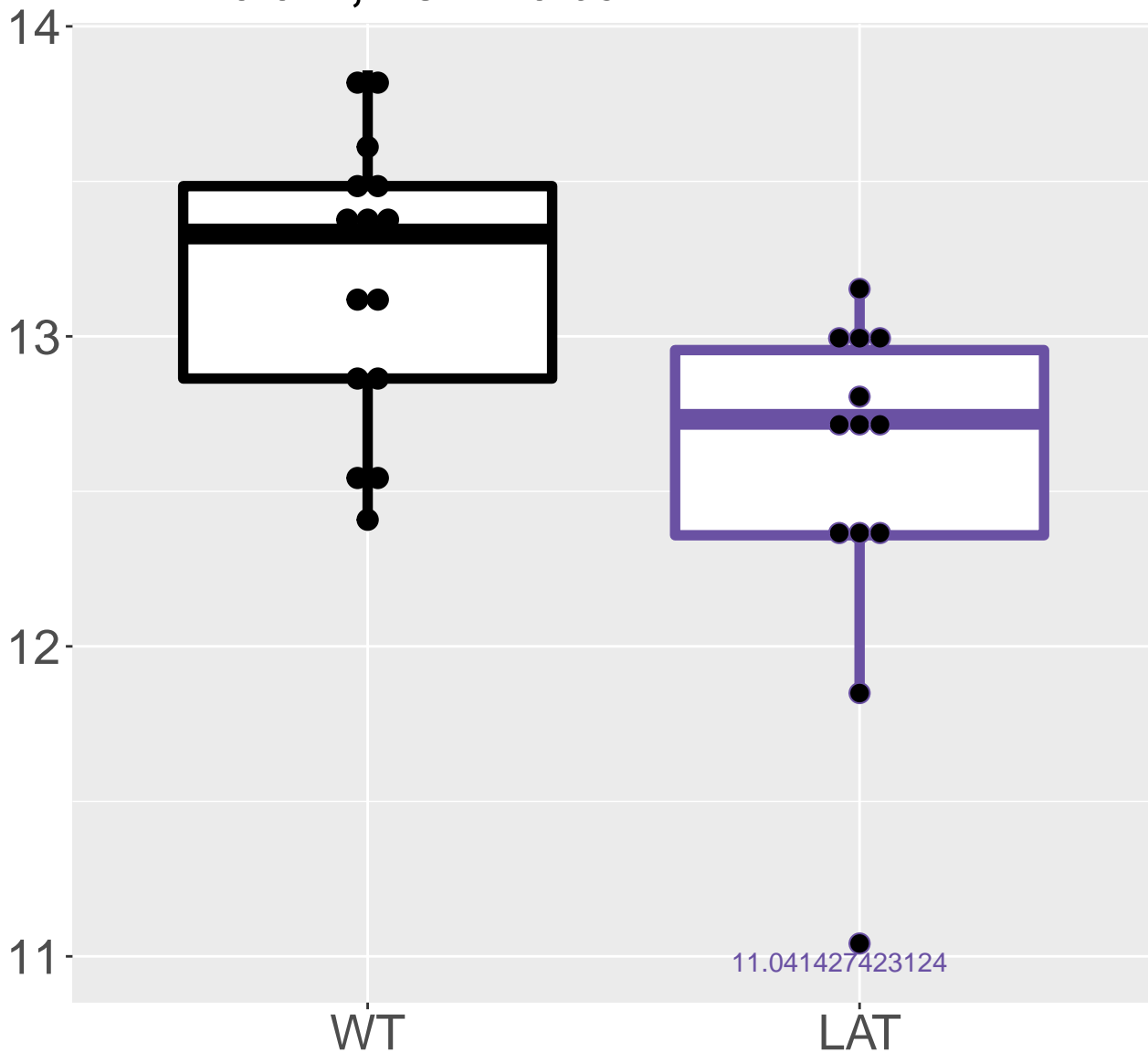


**M550.9456T320.29**

**FDR = 0.014, FC = -0.43**

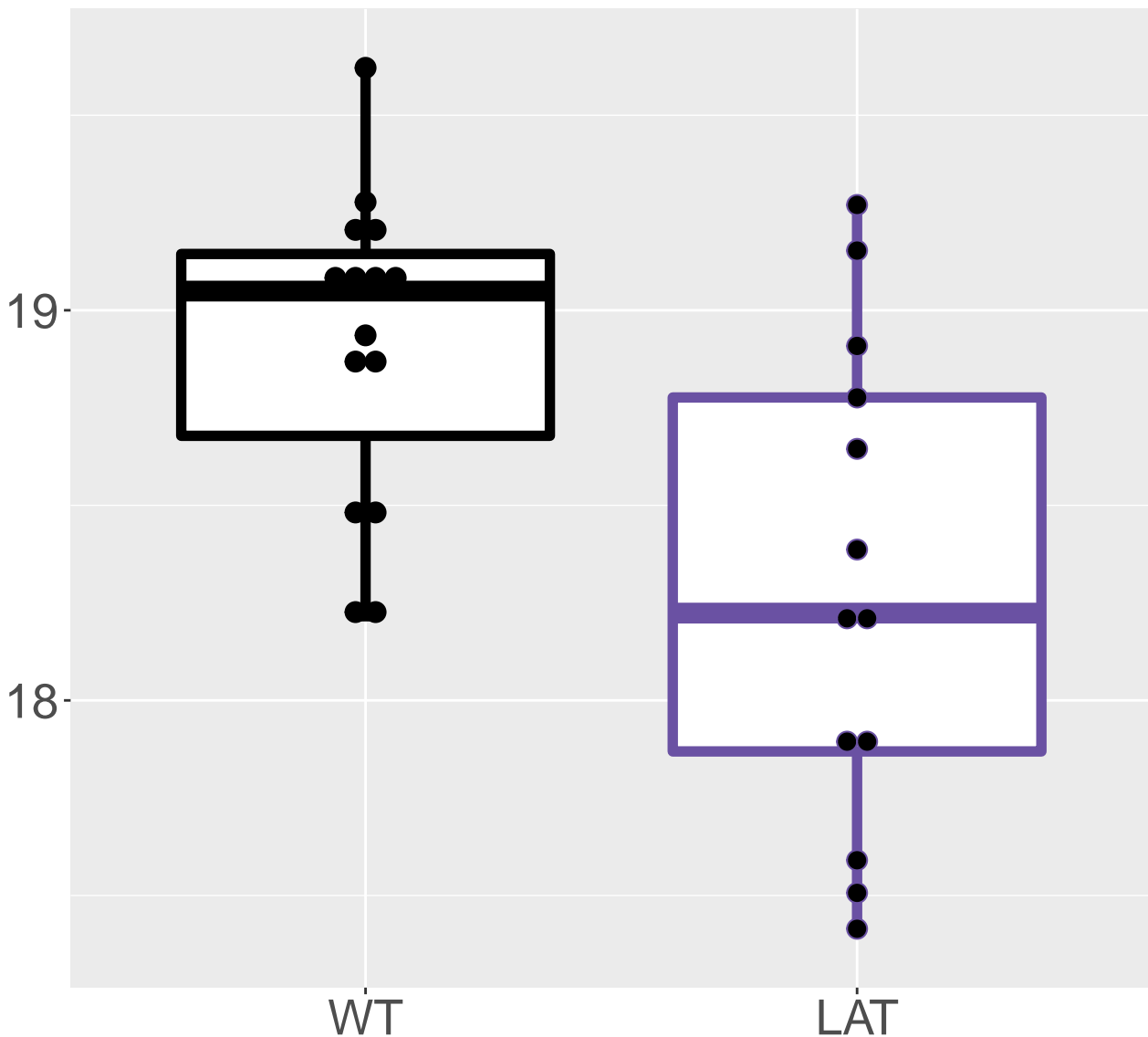


**M210.0831T229.09\_2**  
**FDR = 0.014, FC = -0.65**



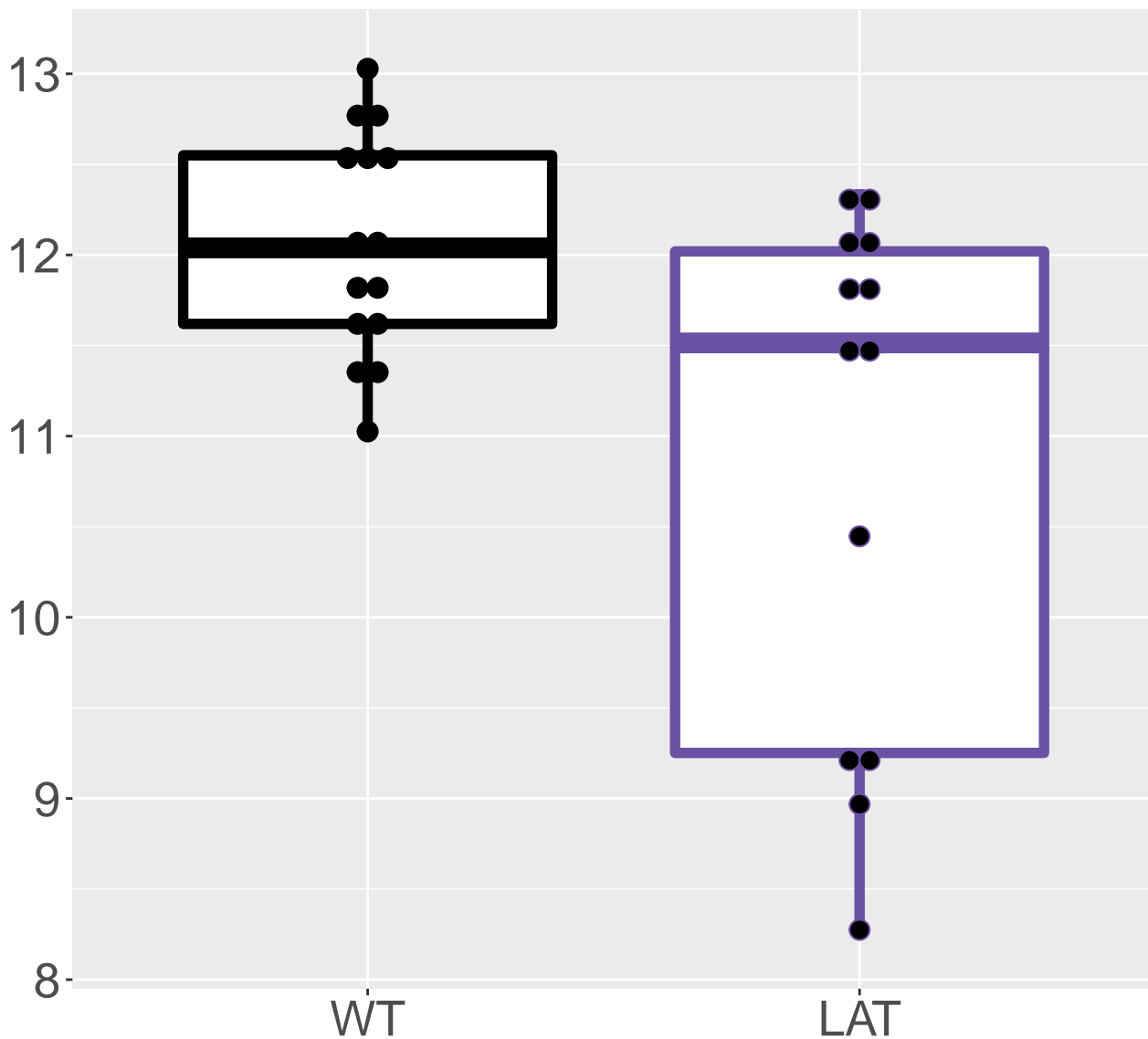
**M282.1017T64.44\_2**

**FDR = 0.014, FC = -0.62**

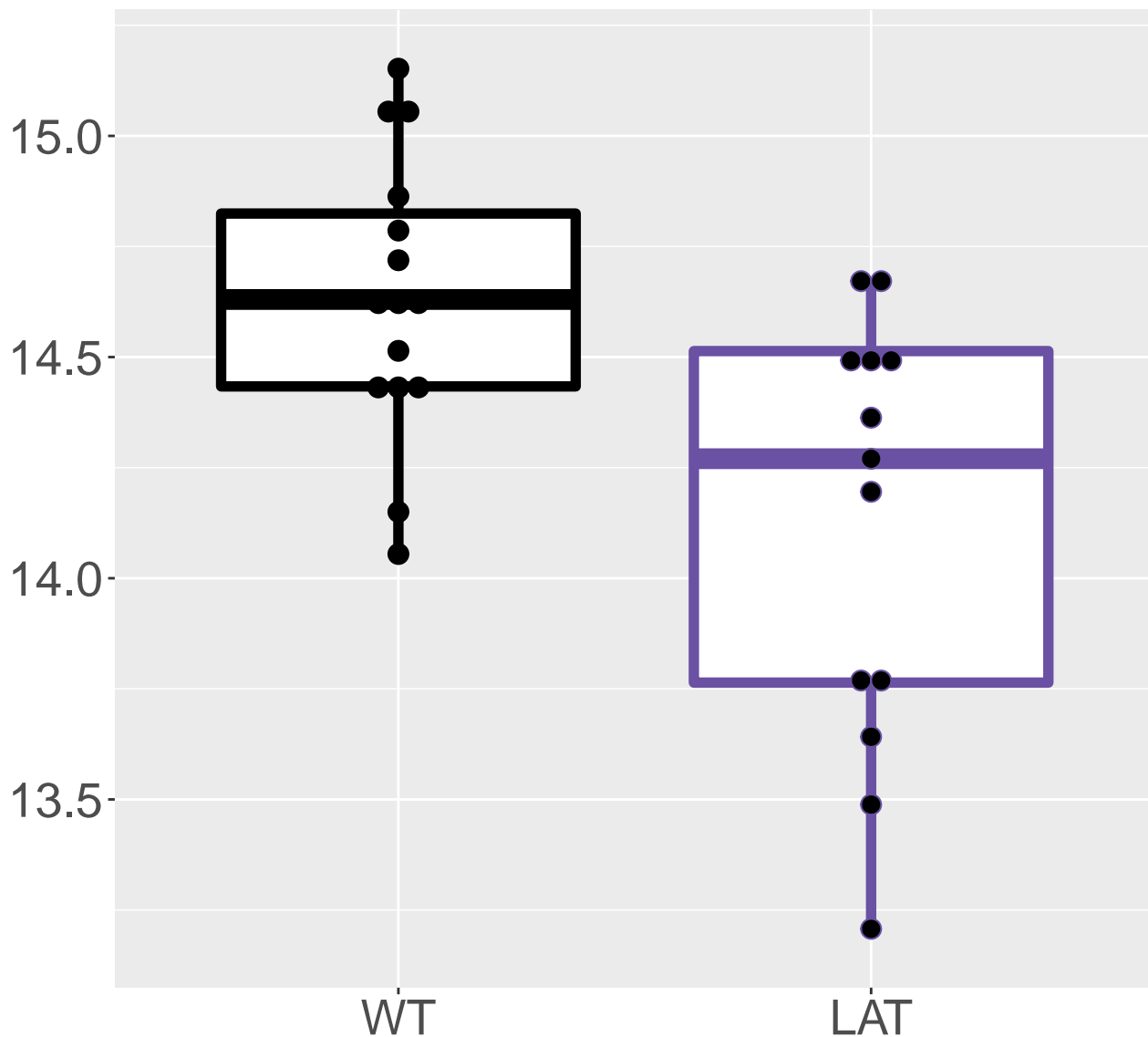


**M282.0984T89.87**

**FDR = 0.014, FC = -1.2**

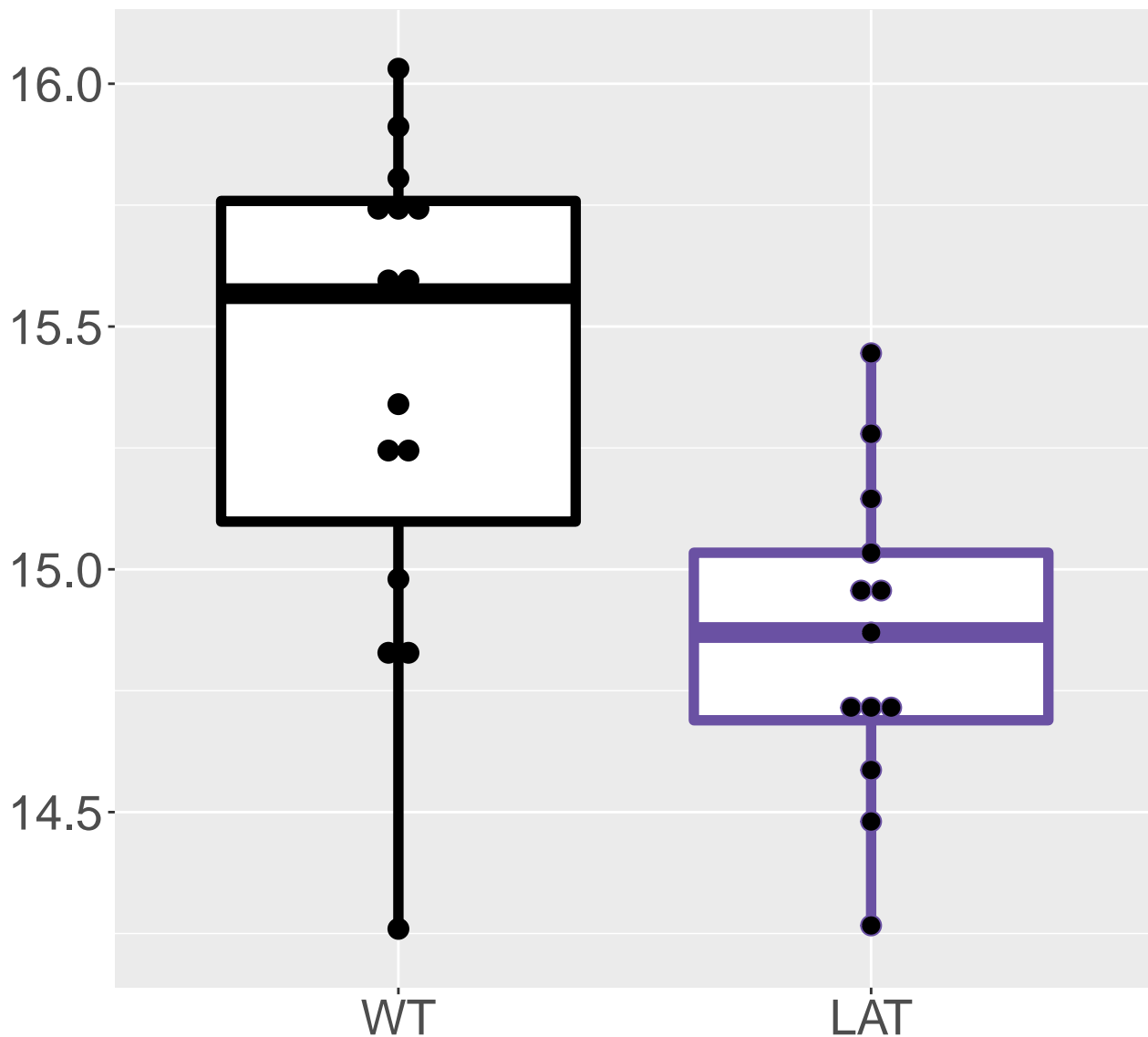


**M730.1529T356.82\_4**  
**FDR = 0.014, FC = -0.51**



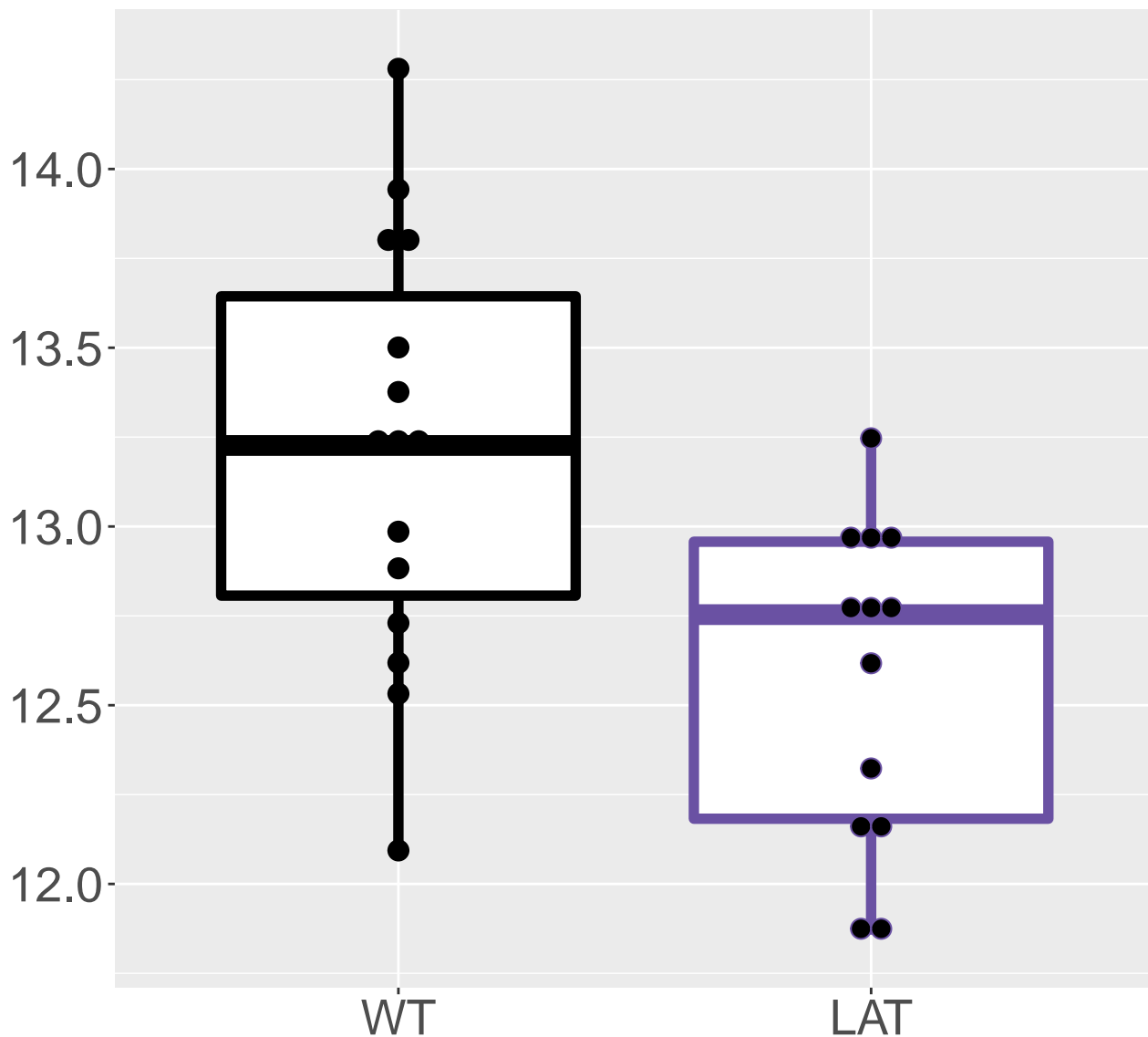


**M156.4383T113.16\_35**  
**FDR = 0.014, FC = -0.53**



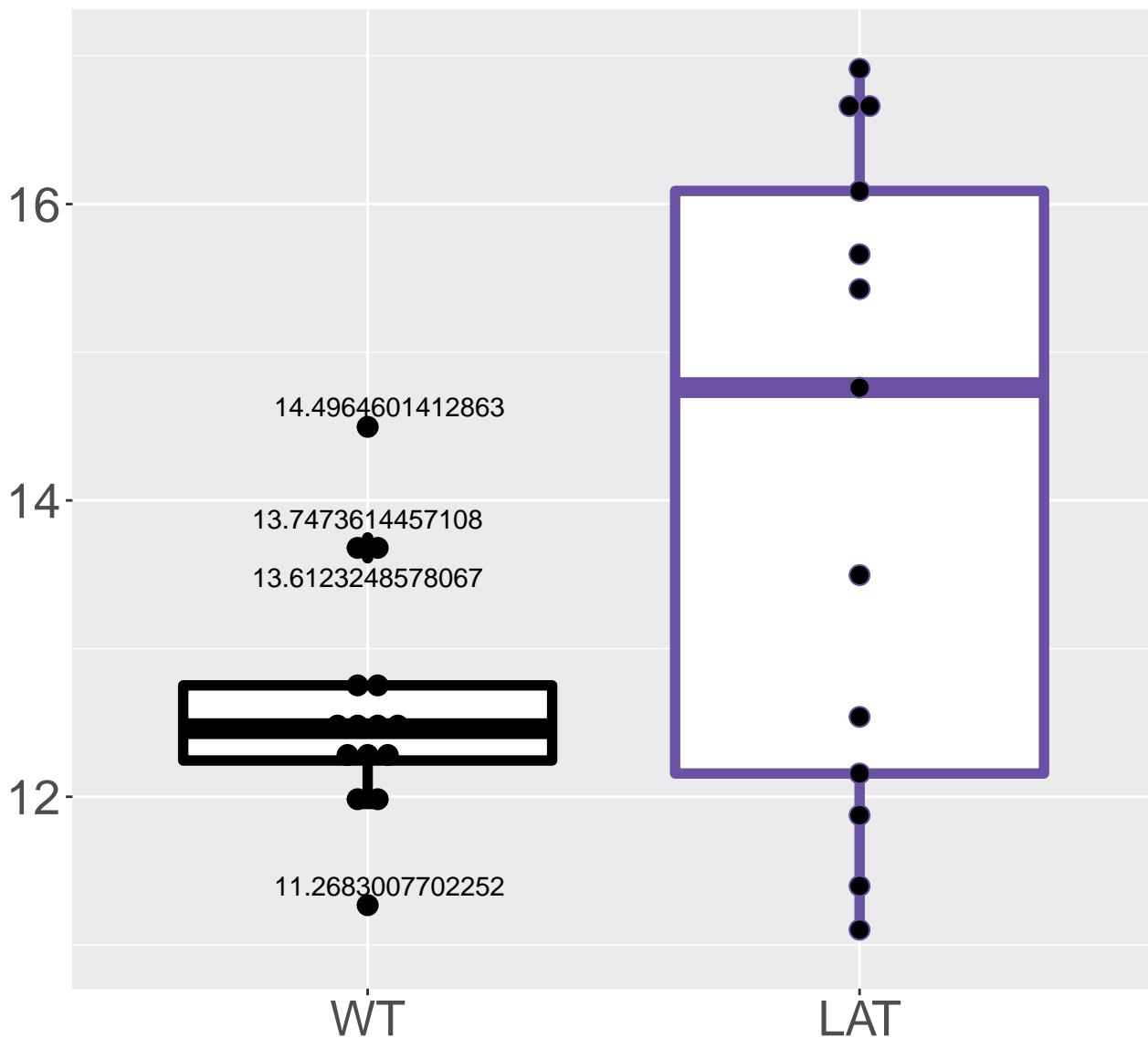
**M430.2245T107.38**

**FDR = 0.014, FC = -0.64**

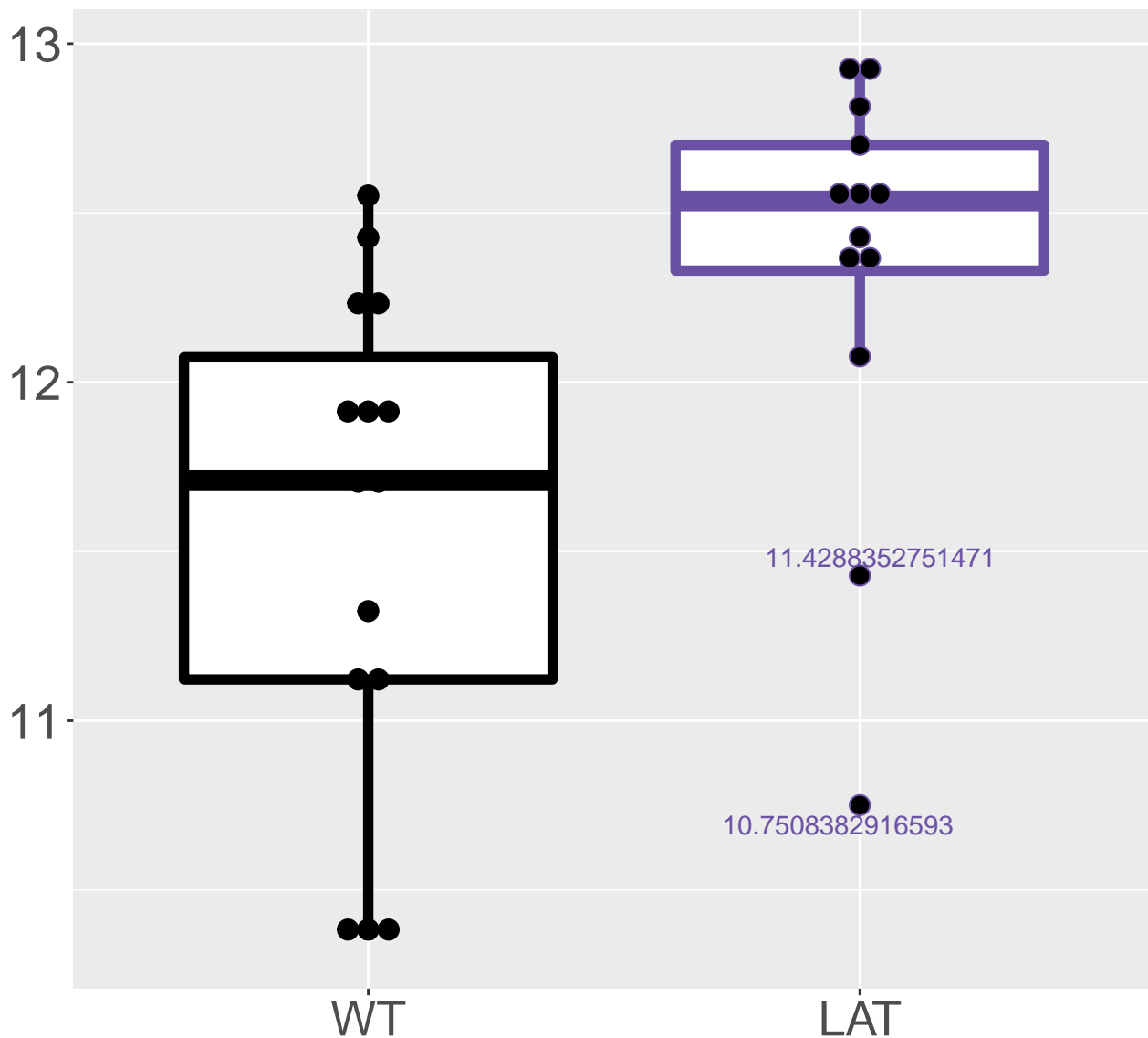


**M264.0957T263.02**

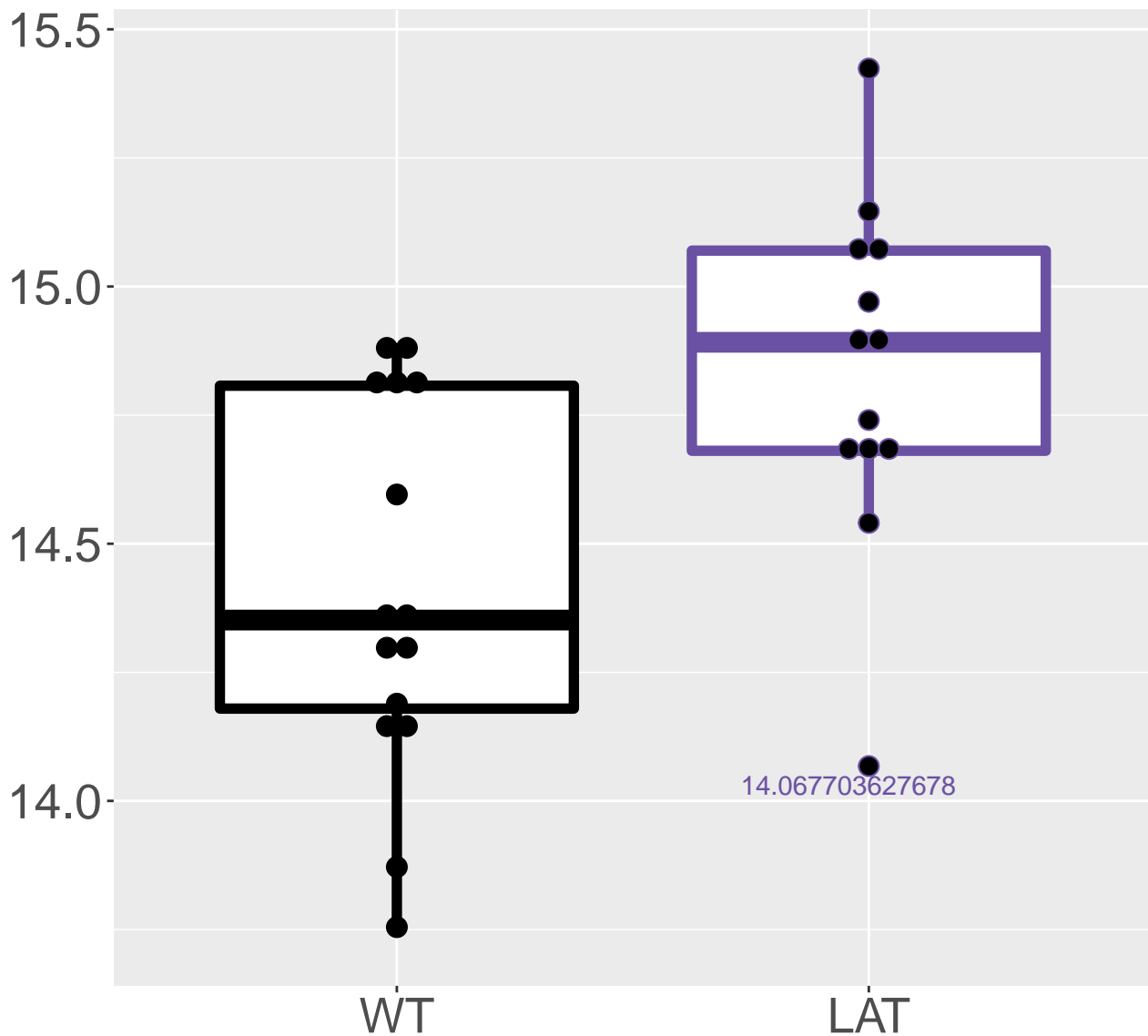
**FDR = 0.014, FC = 1.6, sex\*\***



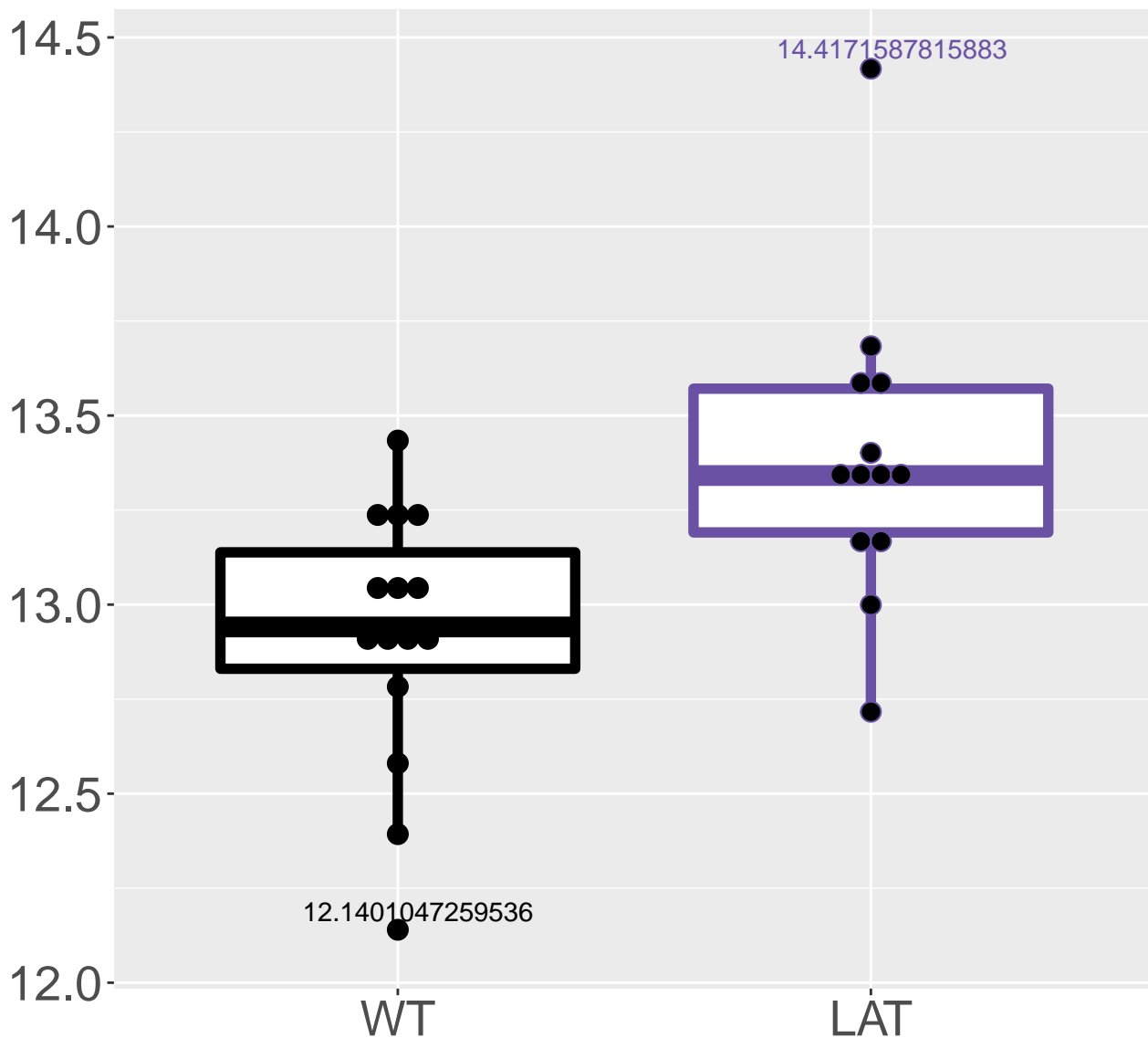
**M425.2419T130.82**  
**FDR = 0.014, FC = 0.78**



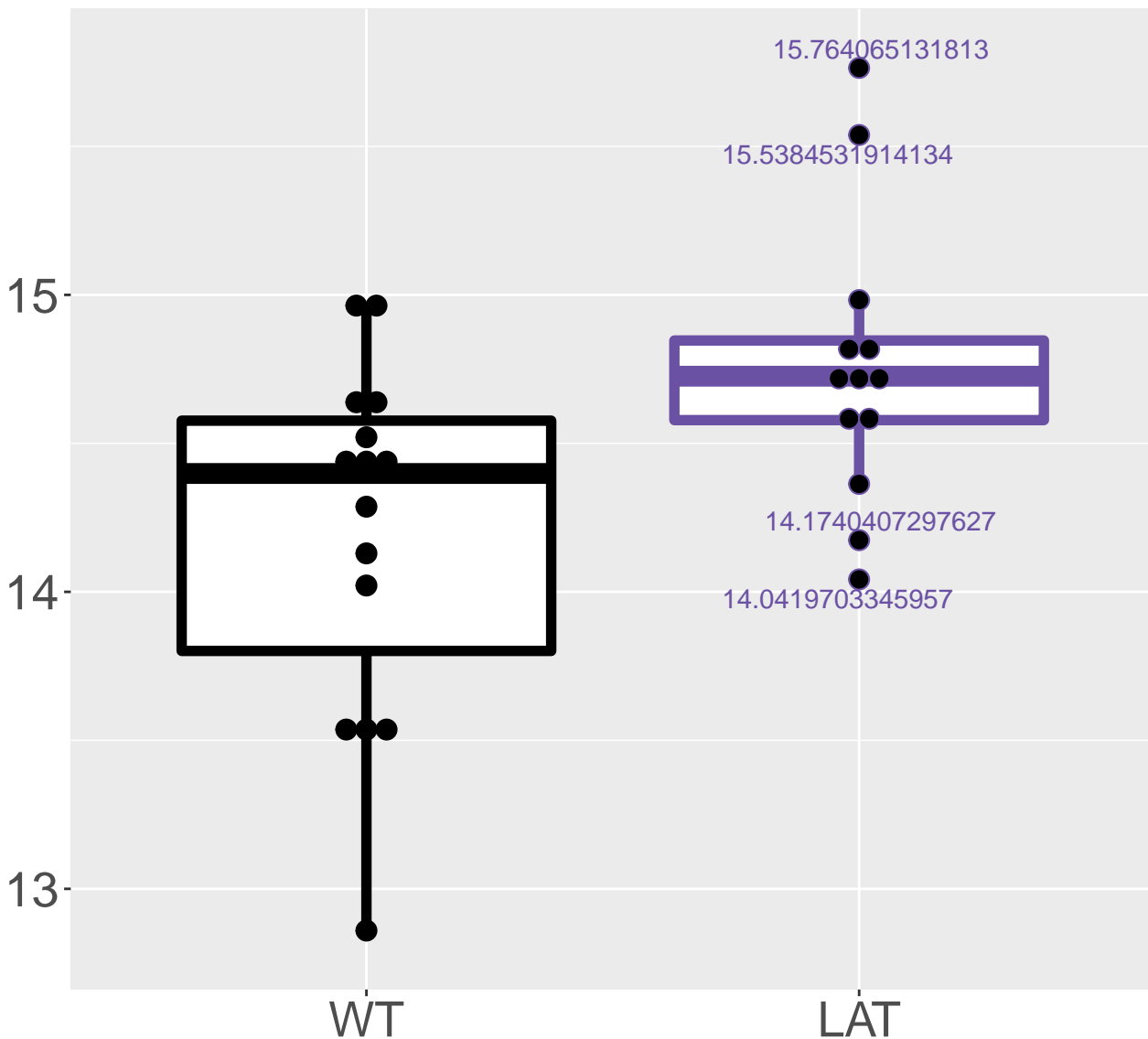
**M619.0094T319.48**  
**FDR = 0.014, FC = 0.42**



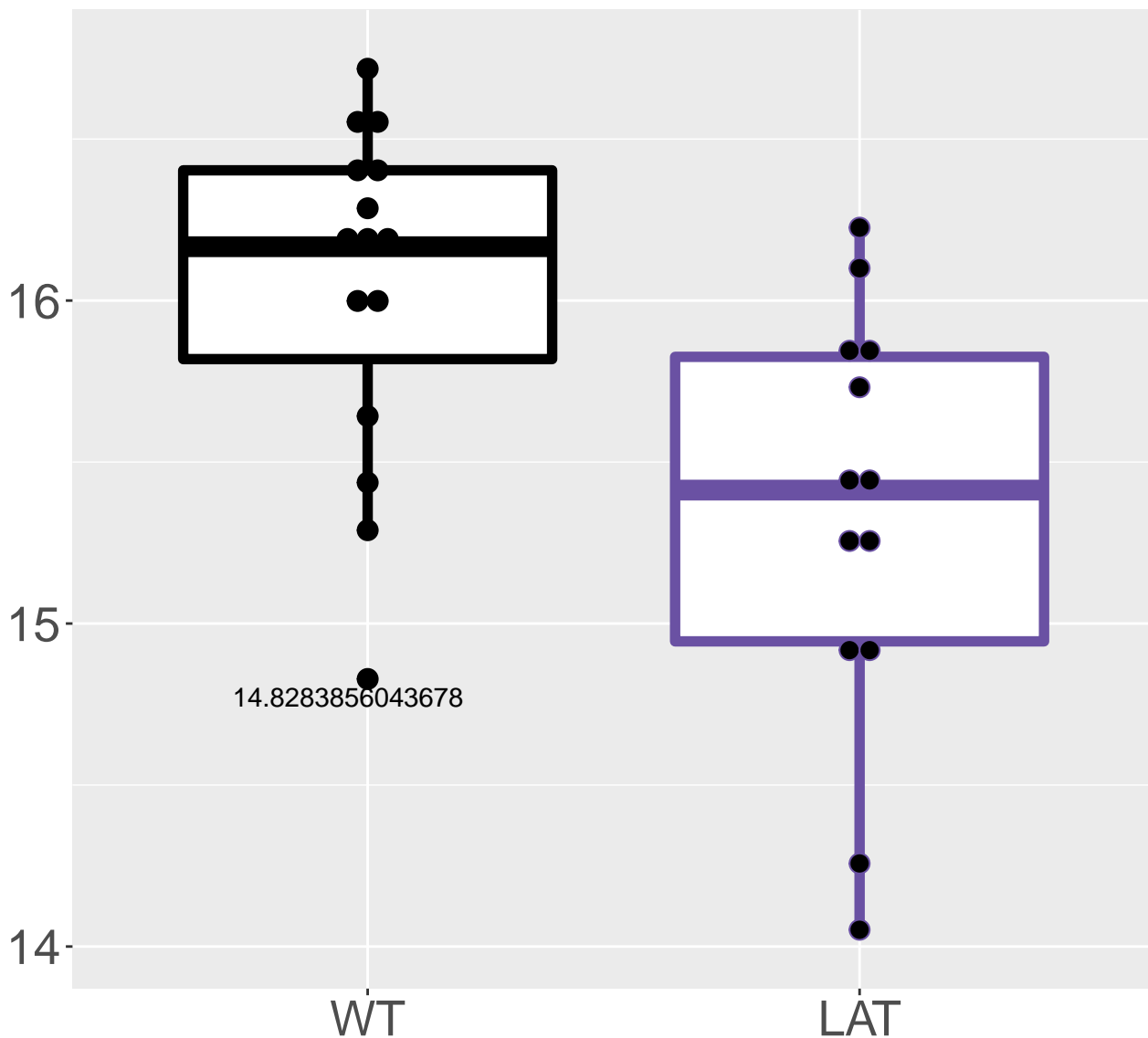
**M217.1801T514.25**  
**FDR = 0.014, FC = 0.47**



**FDR = 0.014, FC = 0.56**

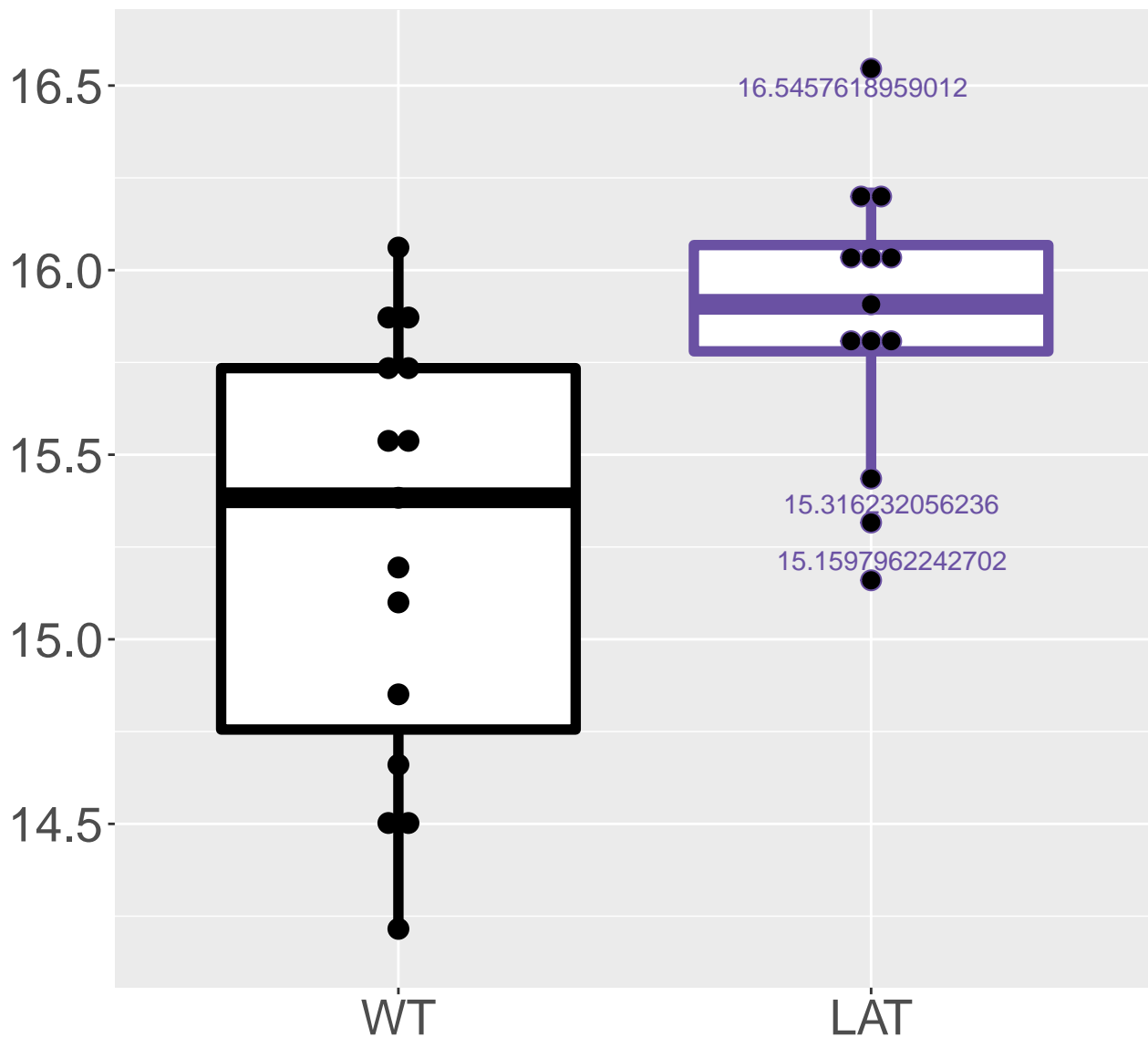


**M169.683T113.15\_10**  
**FDR = 0.014, FC = -0.71**



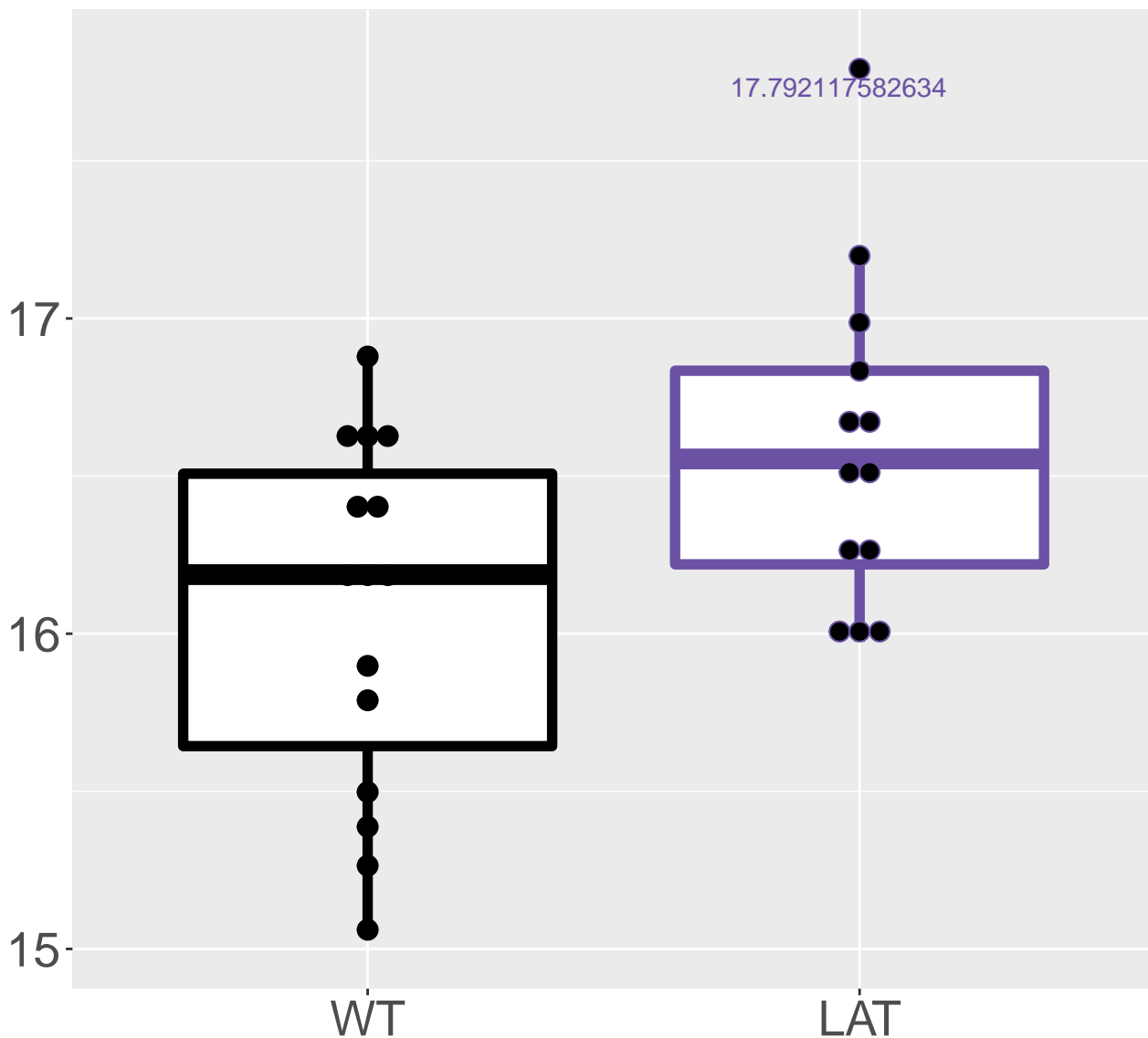


**M793.1649T47.68**  
**FDR = 0.014, FC = 0.62**

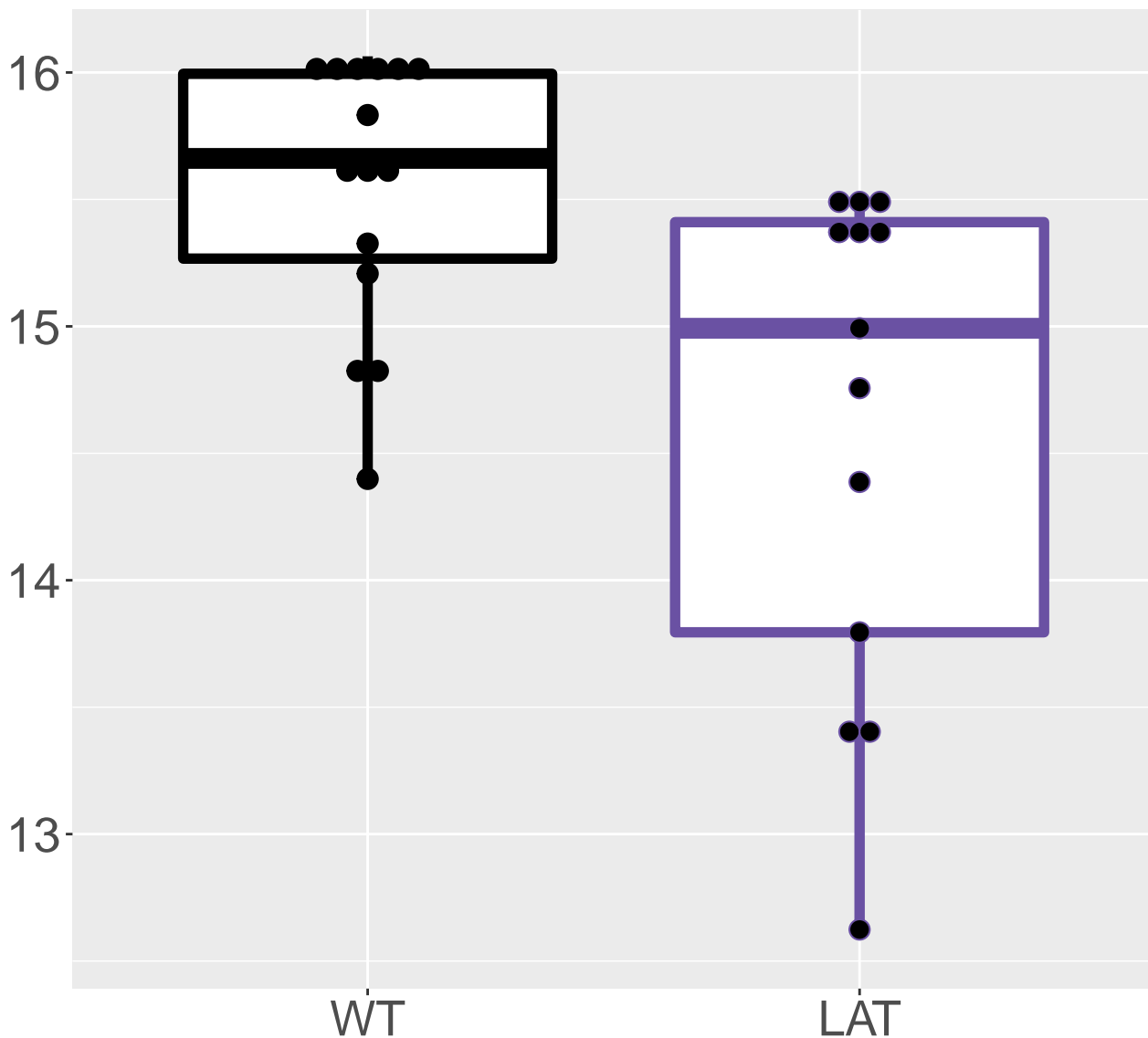


**M586.2637T487.52**

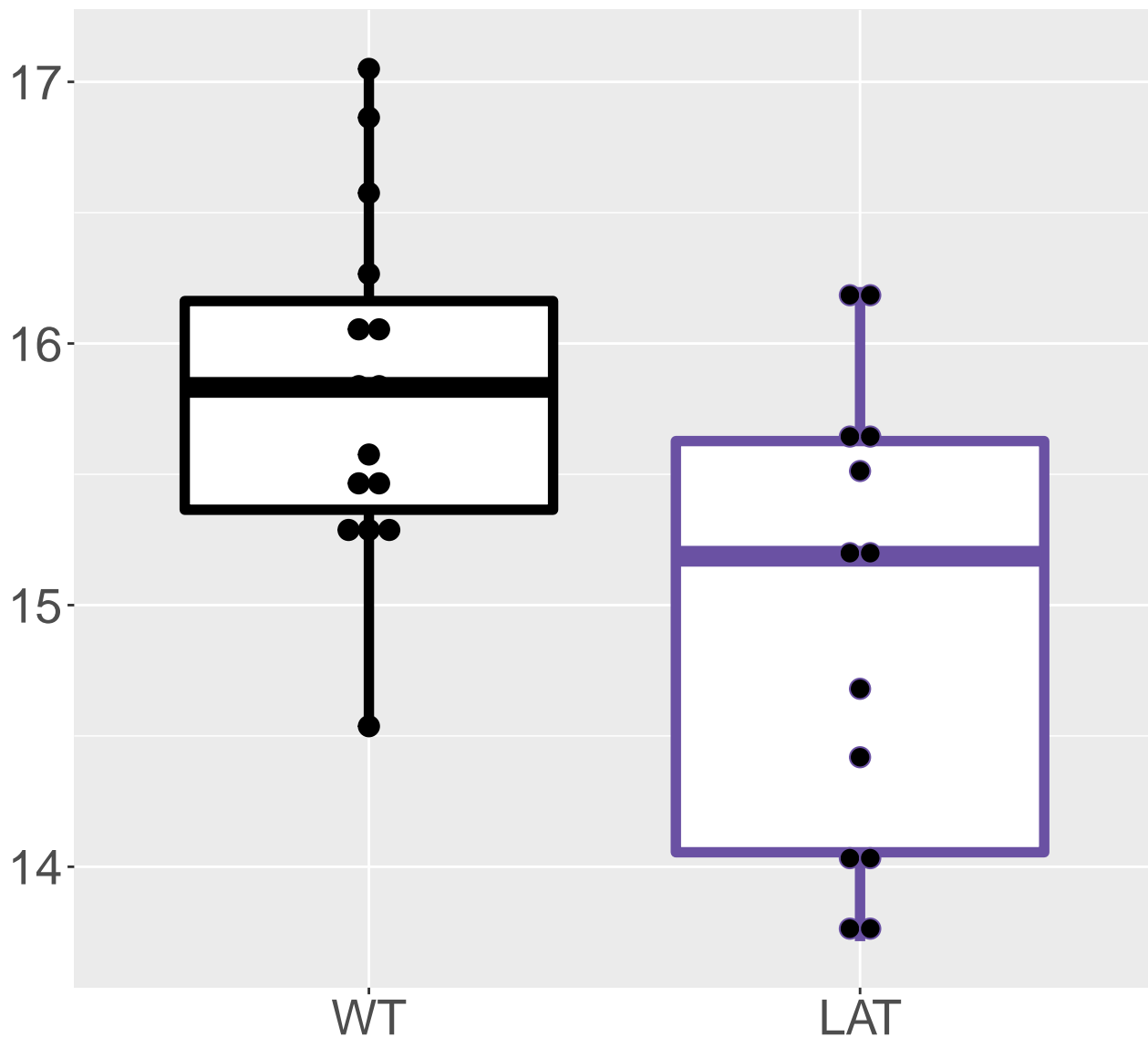
**FDR = 0.014, FC = 0.53, sex\***



**M172.2586T113.11\_31**  
**FDR = 0.014, FC = -0.94**

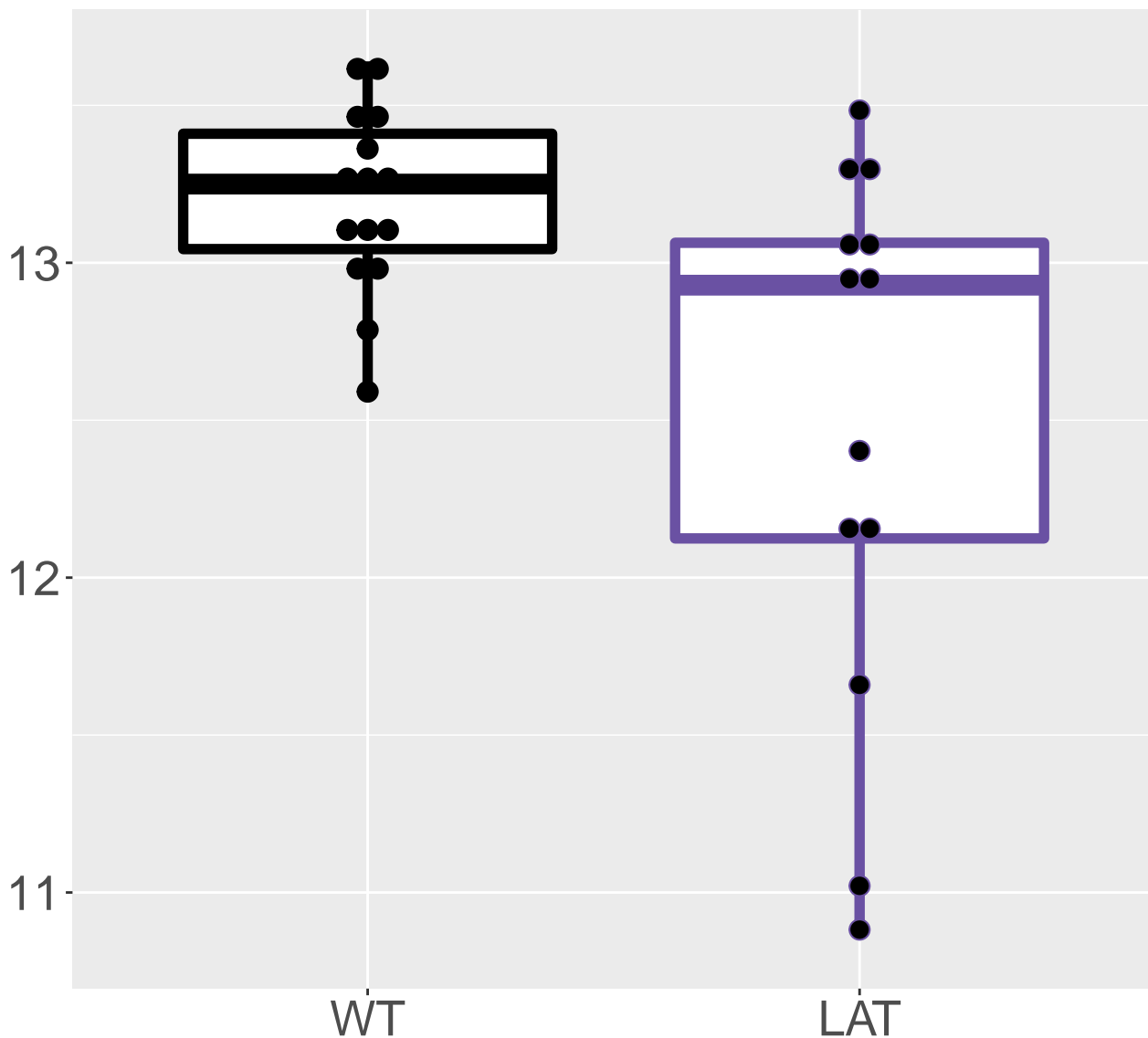


**M512.4949T378.44\_2**  
**FDR = 0.014, FC = -0.89**



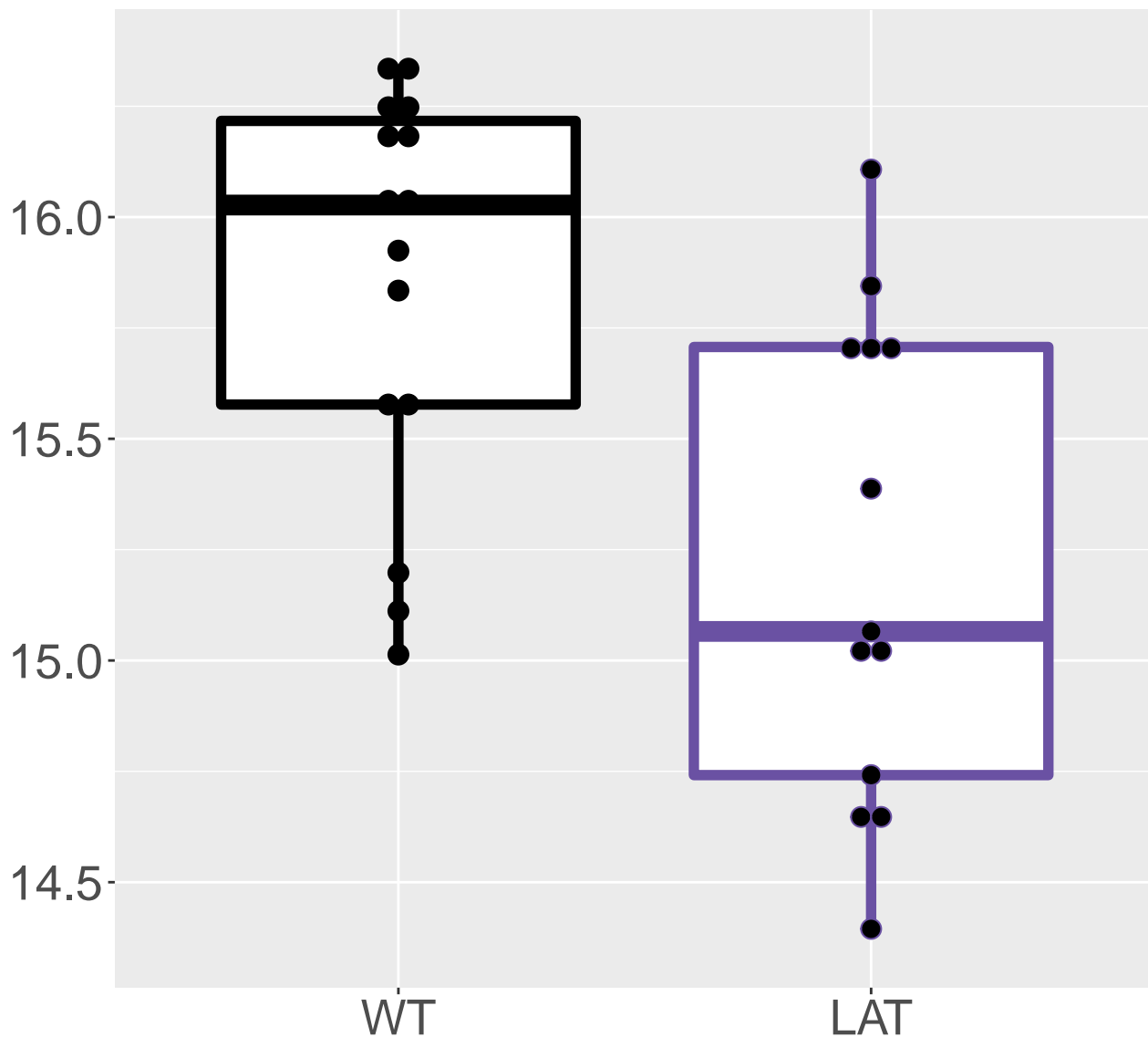
**M695.6852T260.46**

**FDR = 0.014, FC = -0.71, sex\***



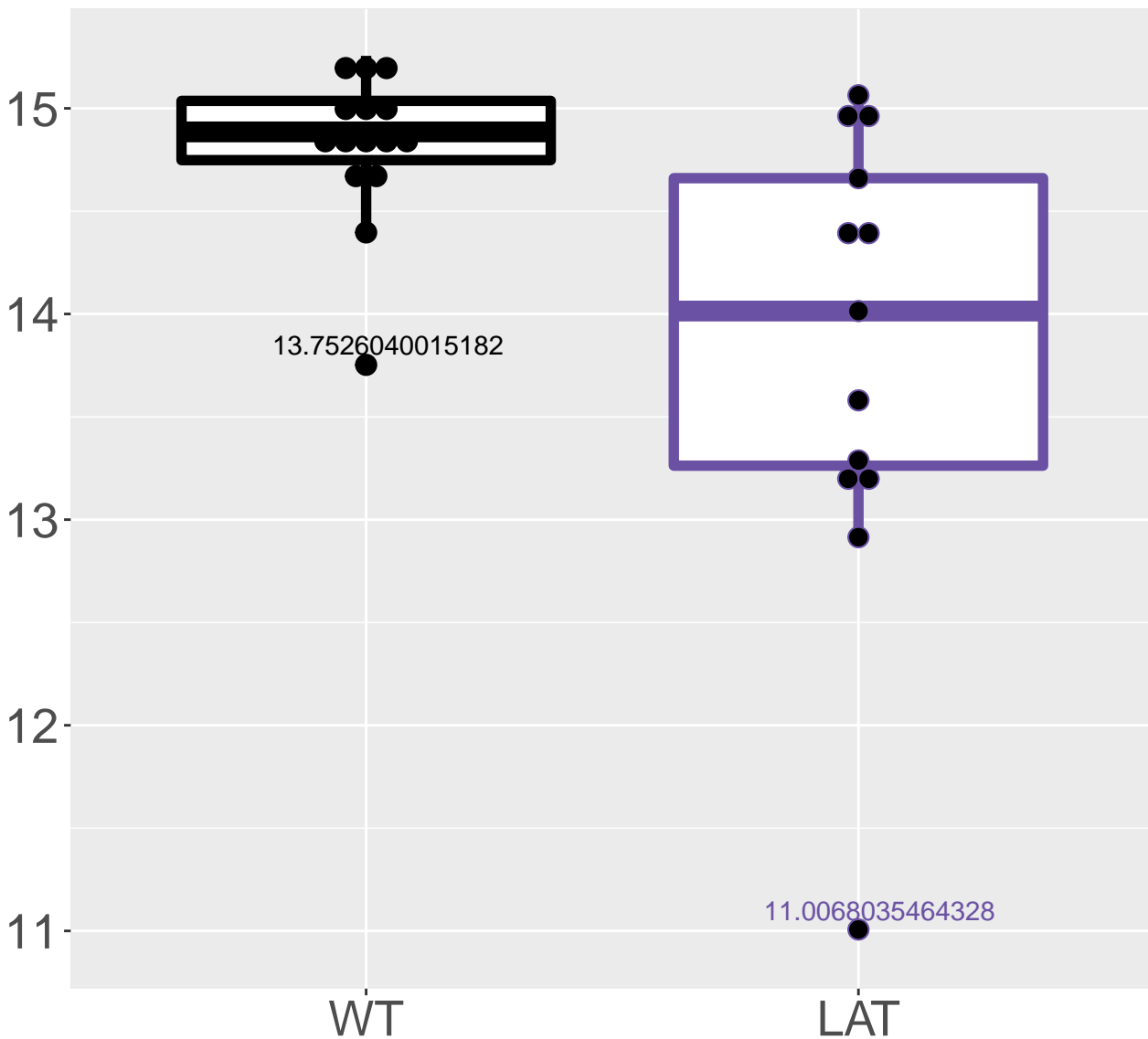
**M170.853T113.12\_12**

**FDR = 0.014, FC = -0.63**

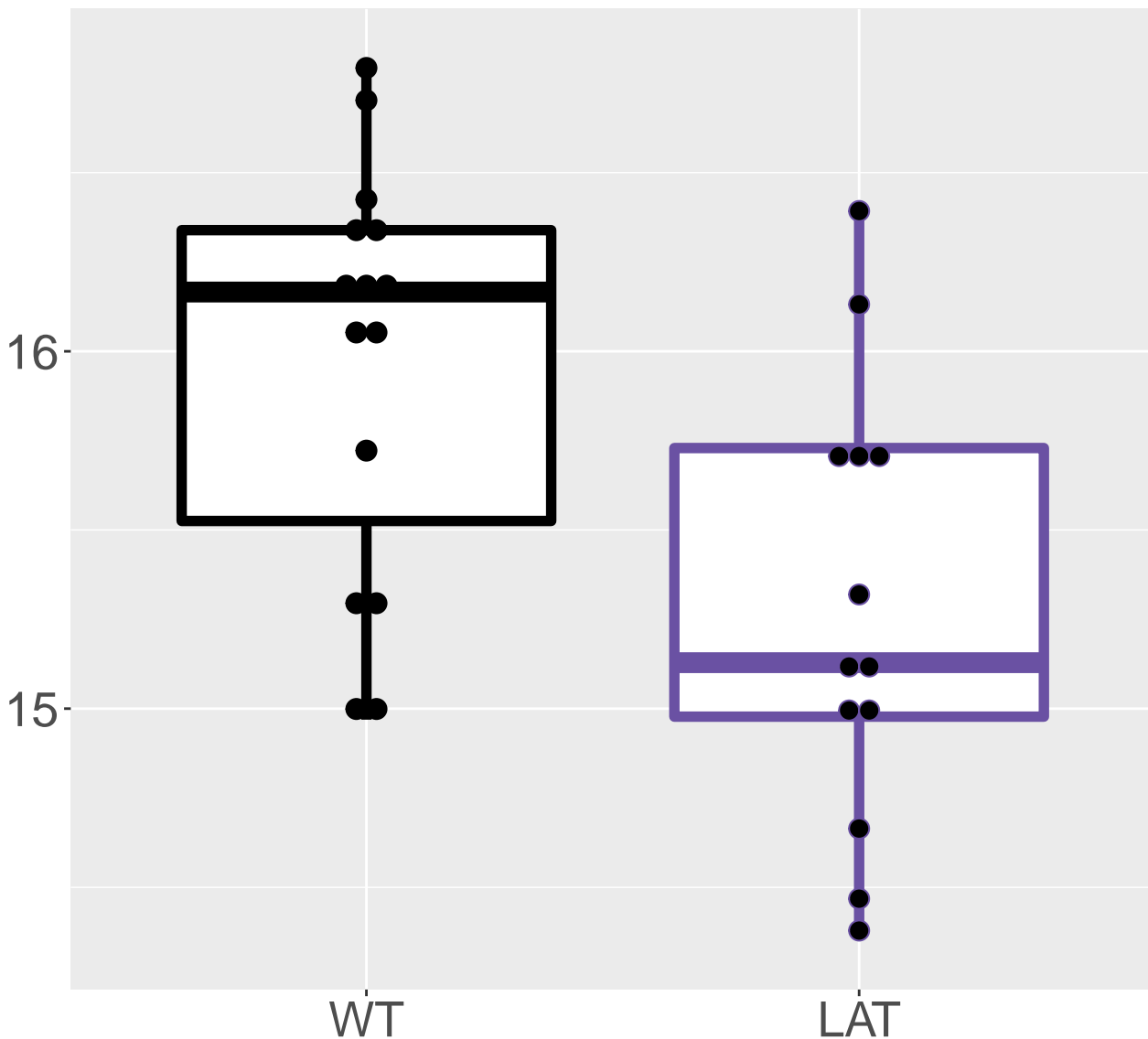


**M459.8495T327.64\_2**

**FDR = 0.015, FC = -0.99**



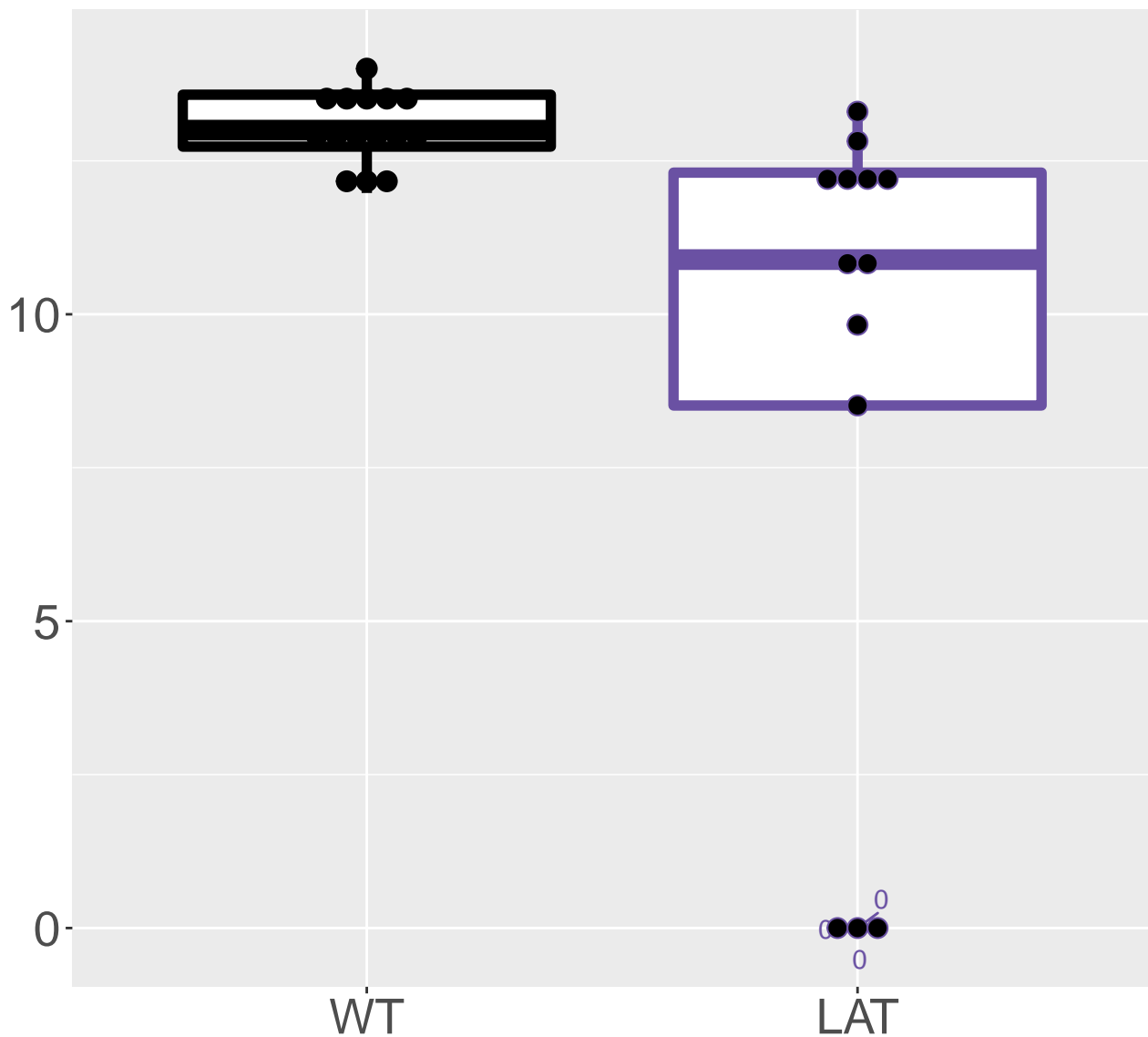
**M169.8923T113.16\_17**  
**FDR = 0.015, FC = -0.68**



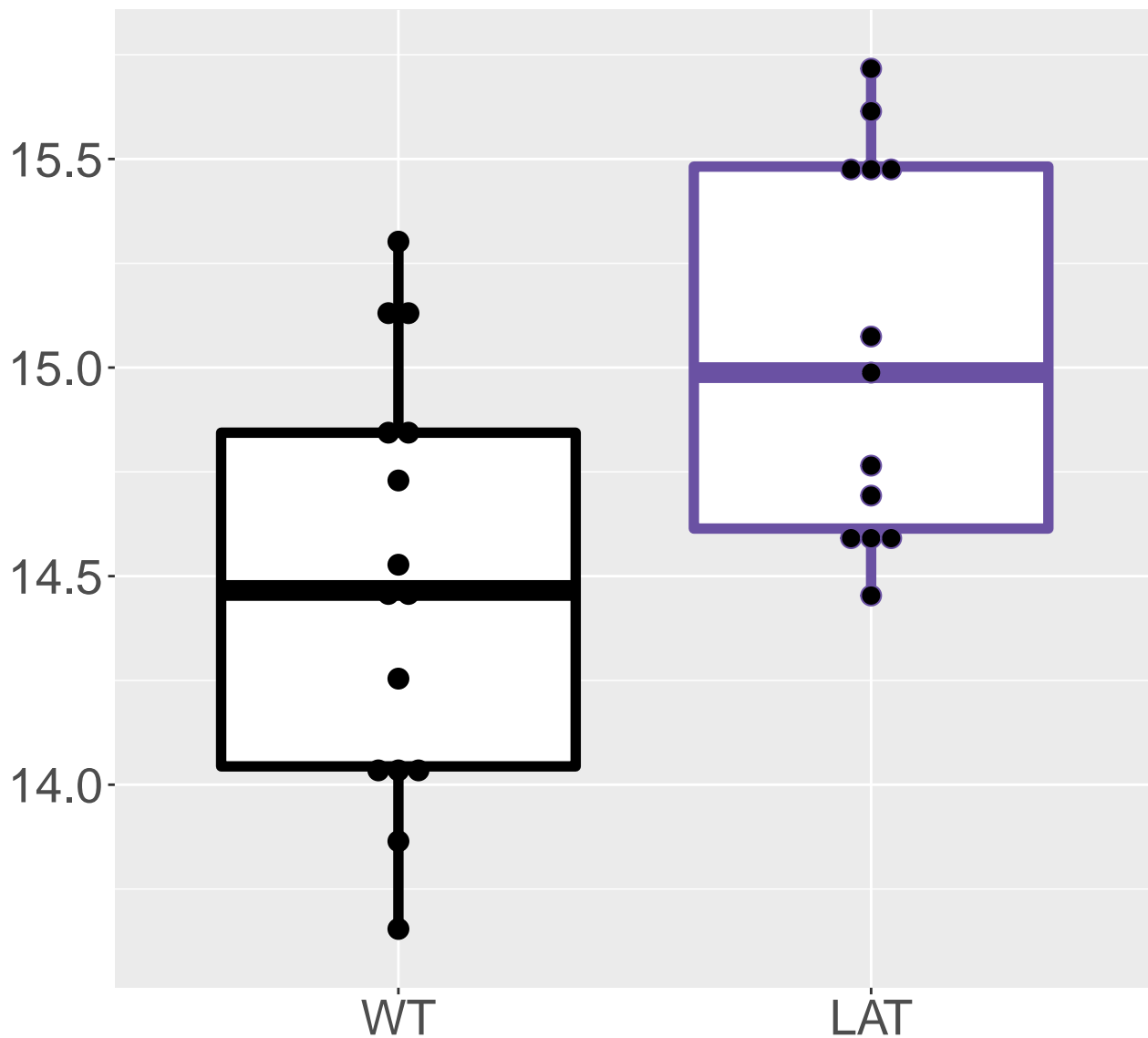


**M646.1653T260.44**

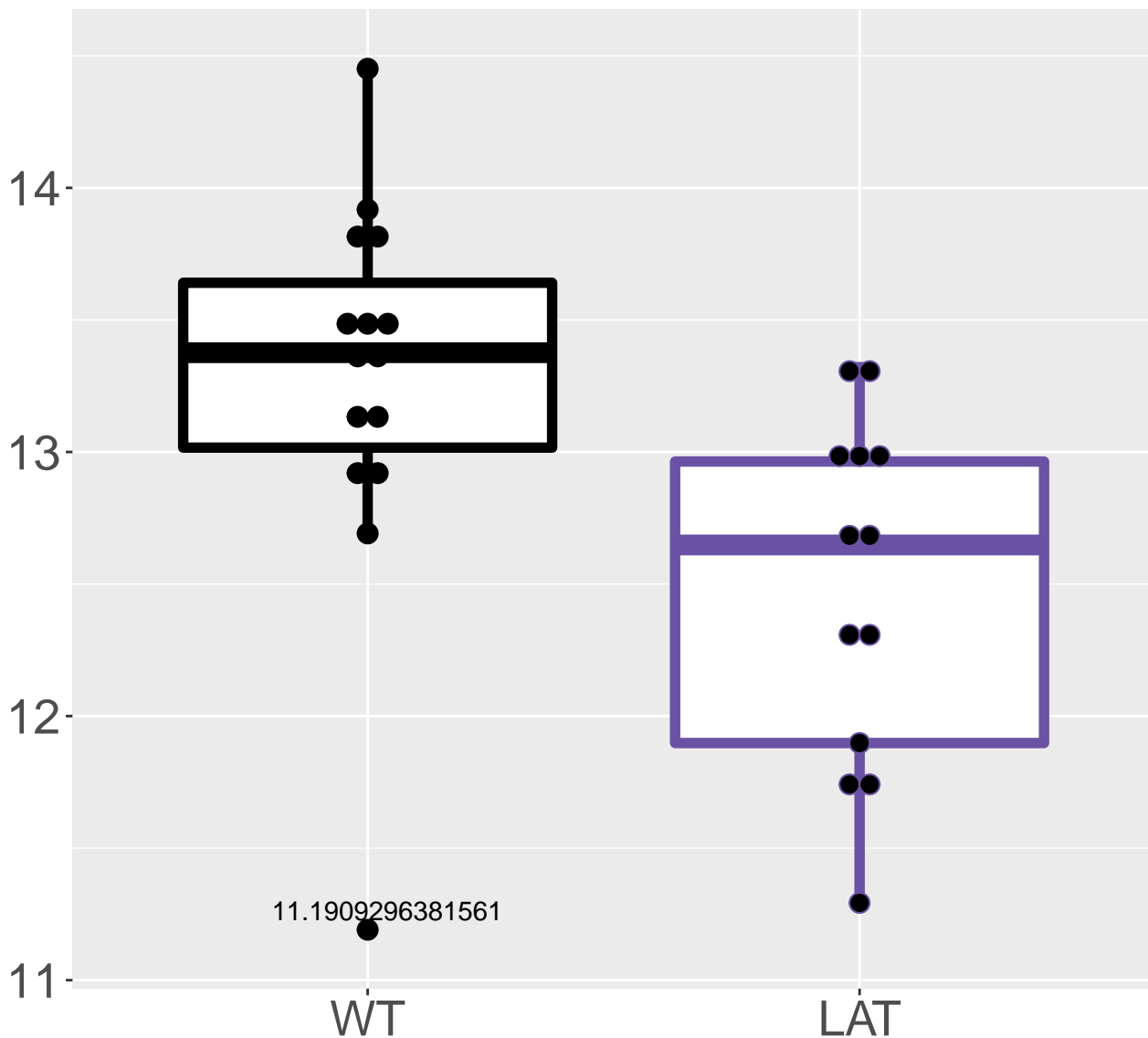
**FDR = 0.015, FC = -4.2**



**M403.0151T99.66**  
**FDR = 0.015, FC = 0.55**

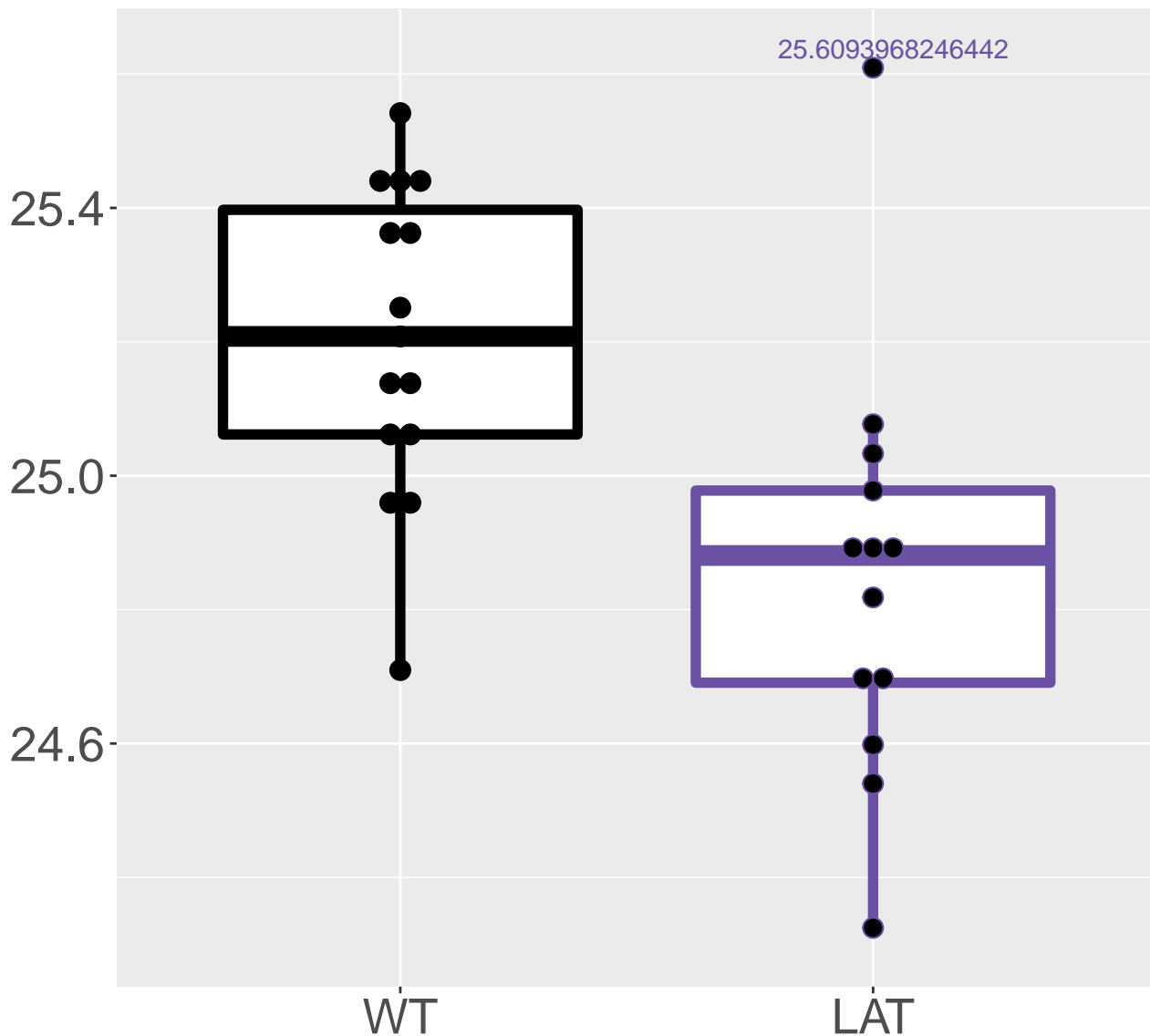


**M409.2602T345.29\_2**  
**FDR = 0.015, FC = -0.8**

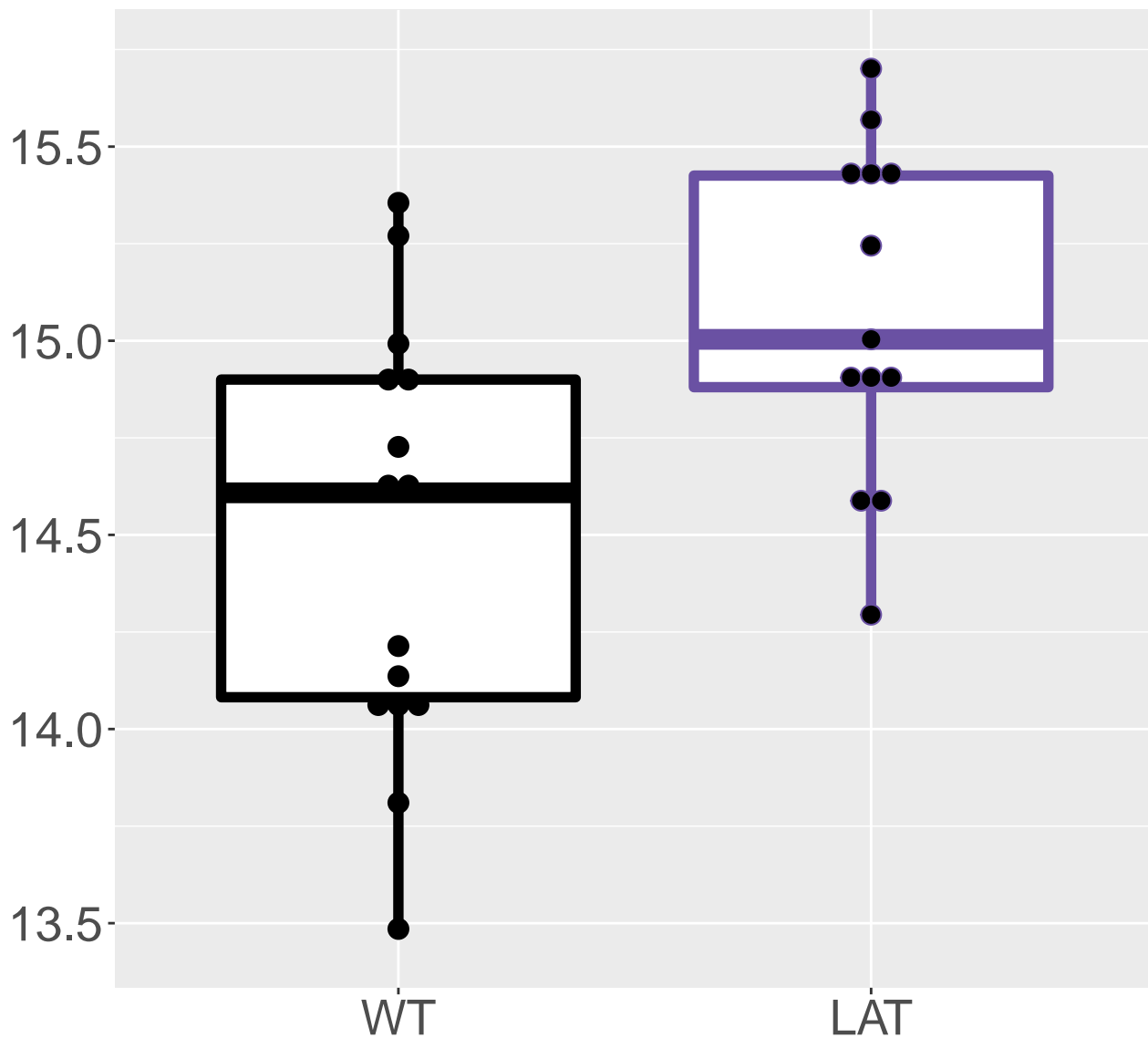


**M104.1076T46.63**

**FDR = 0.015, FC = -0.36**

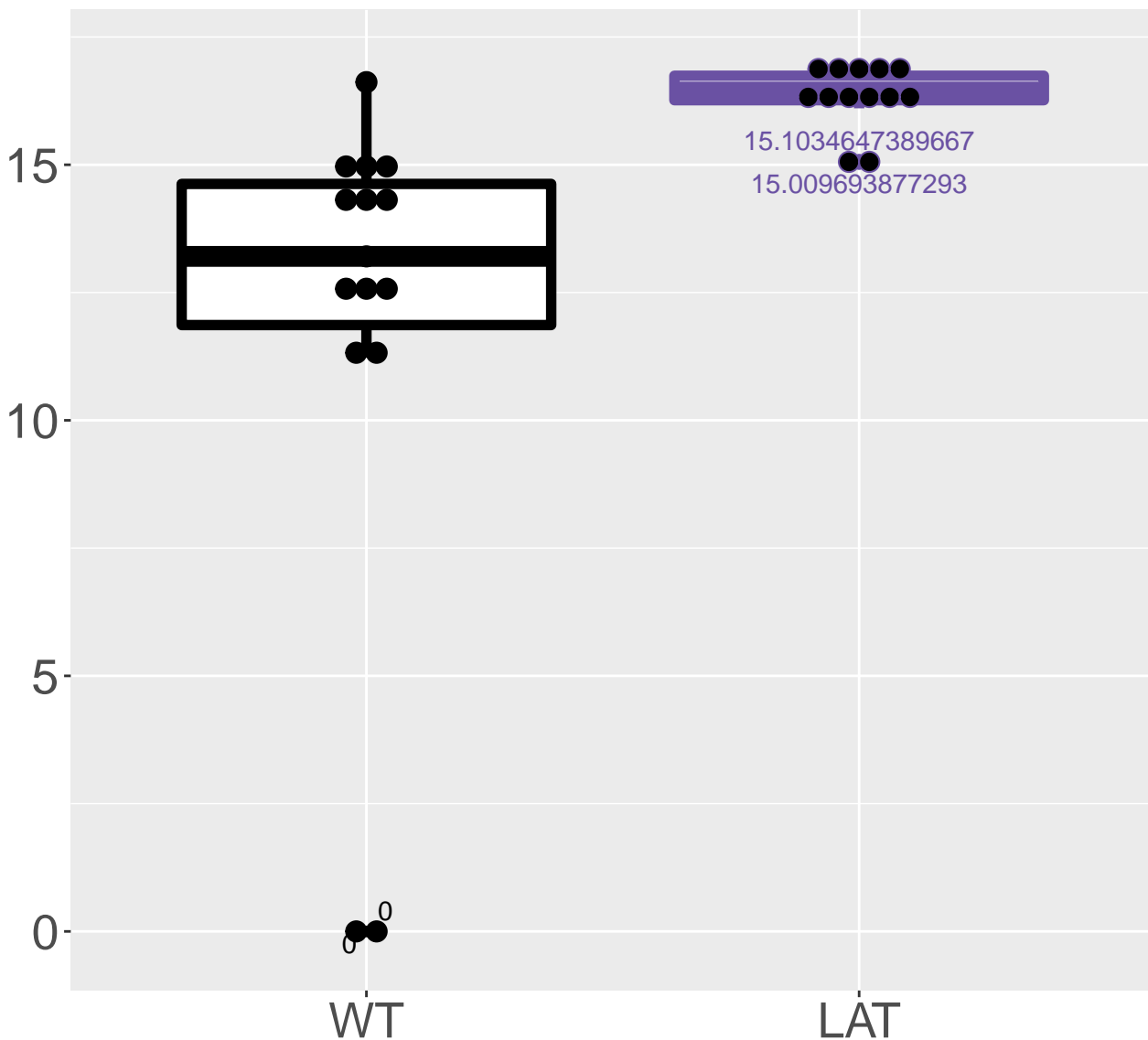


**M223.0285T99.66\_2**  
**FDR = 0.015, FC = 0.59**



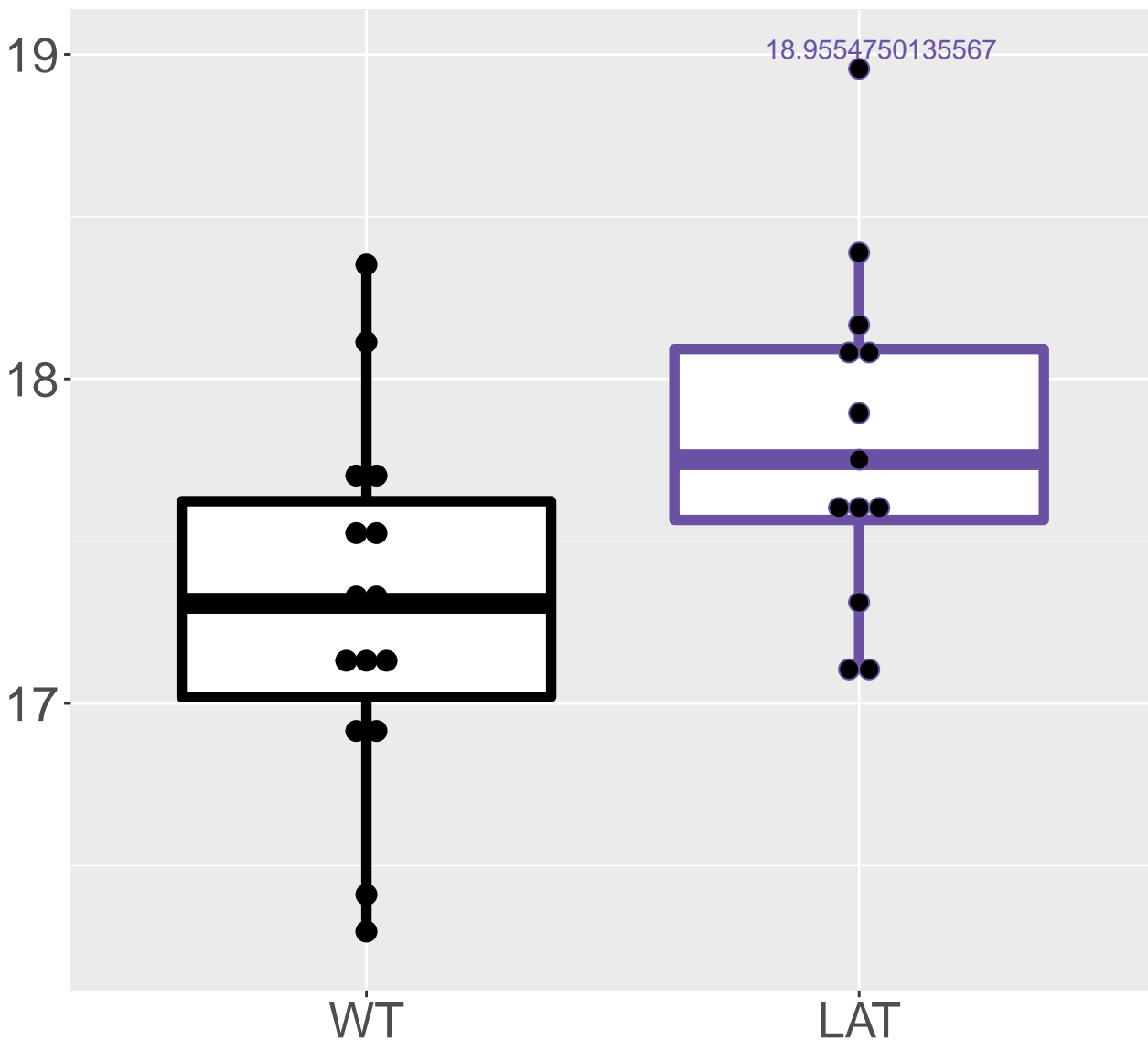
**M412.1478T117.35**

**FDR = 0.015, FC = 4.5**

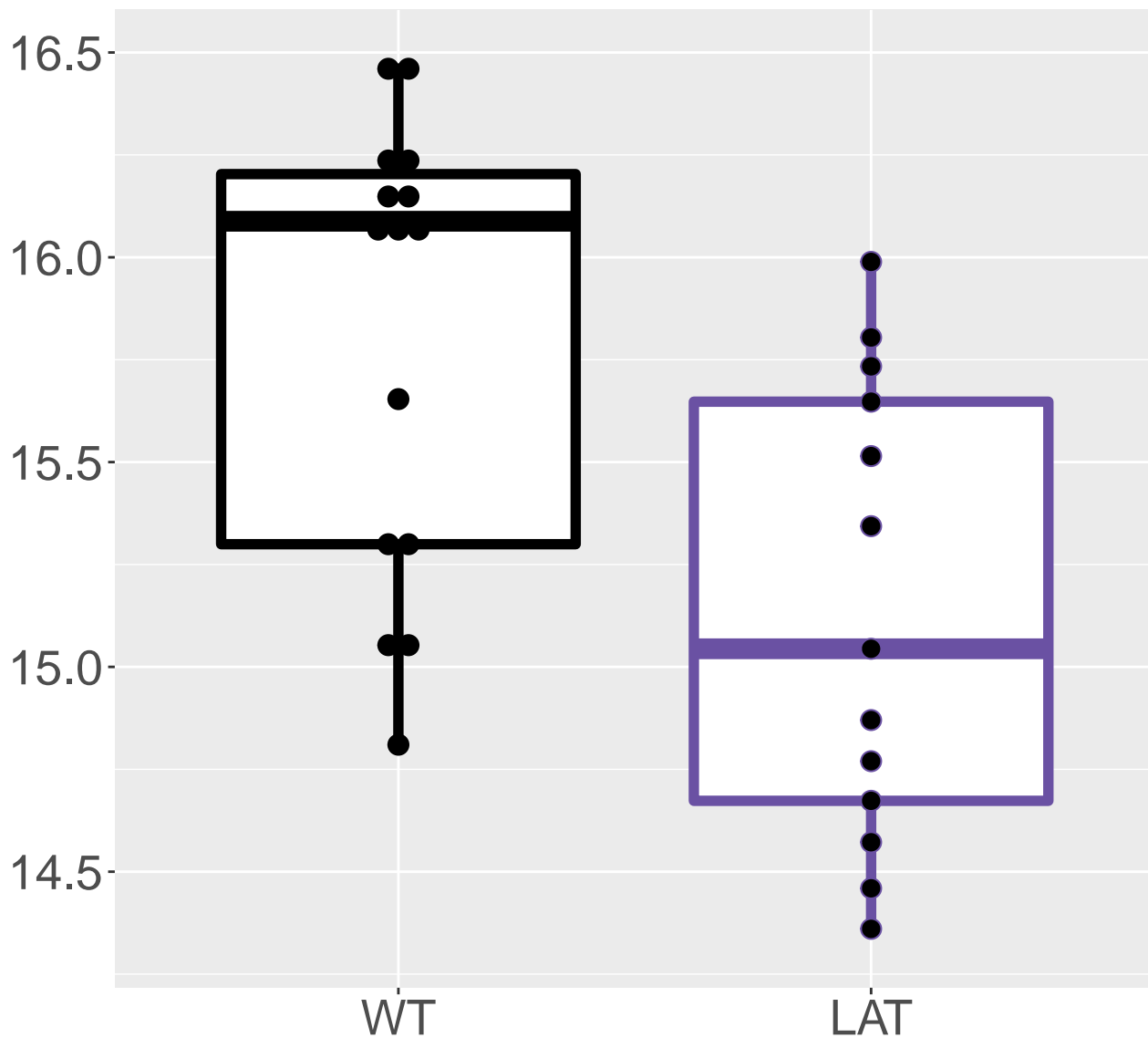


M678.9266T298.44\_2

FDR = 0.015, FC = 0.52, sex\*

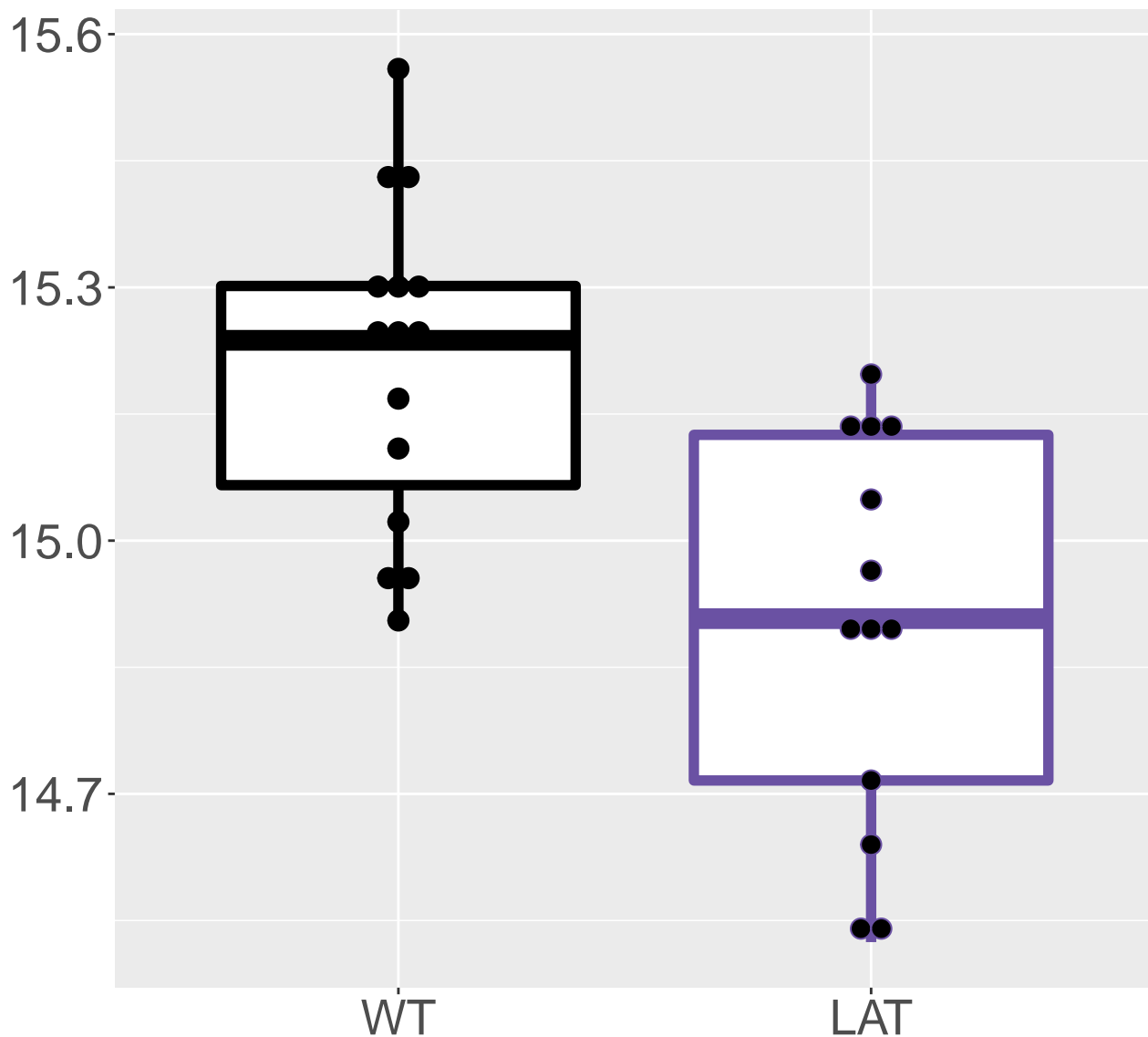


**M160.5346T113.21\_3**  
**FDR = 0.015, FC = -0.67**

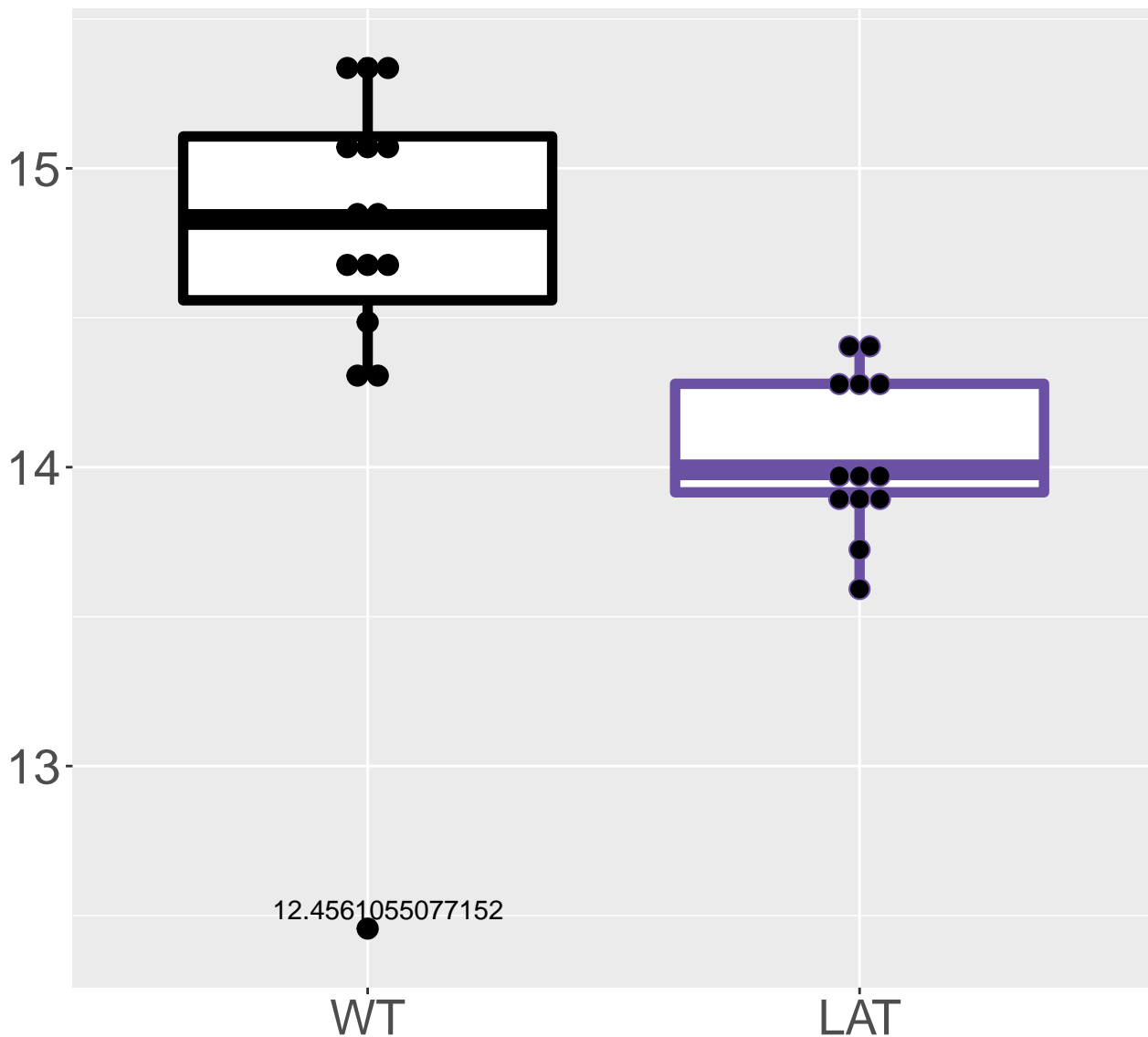




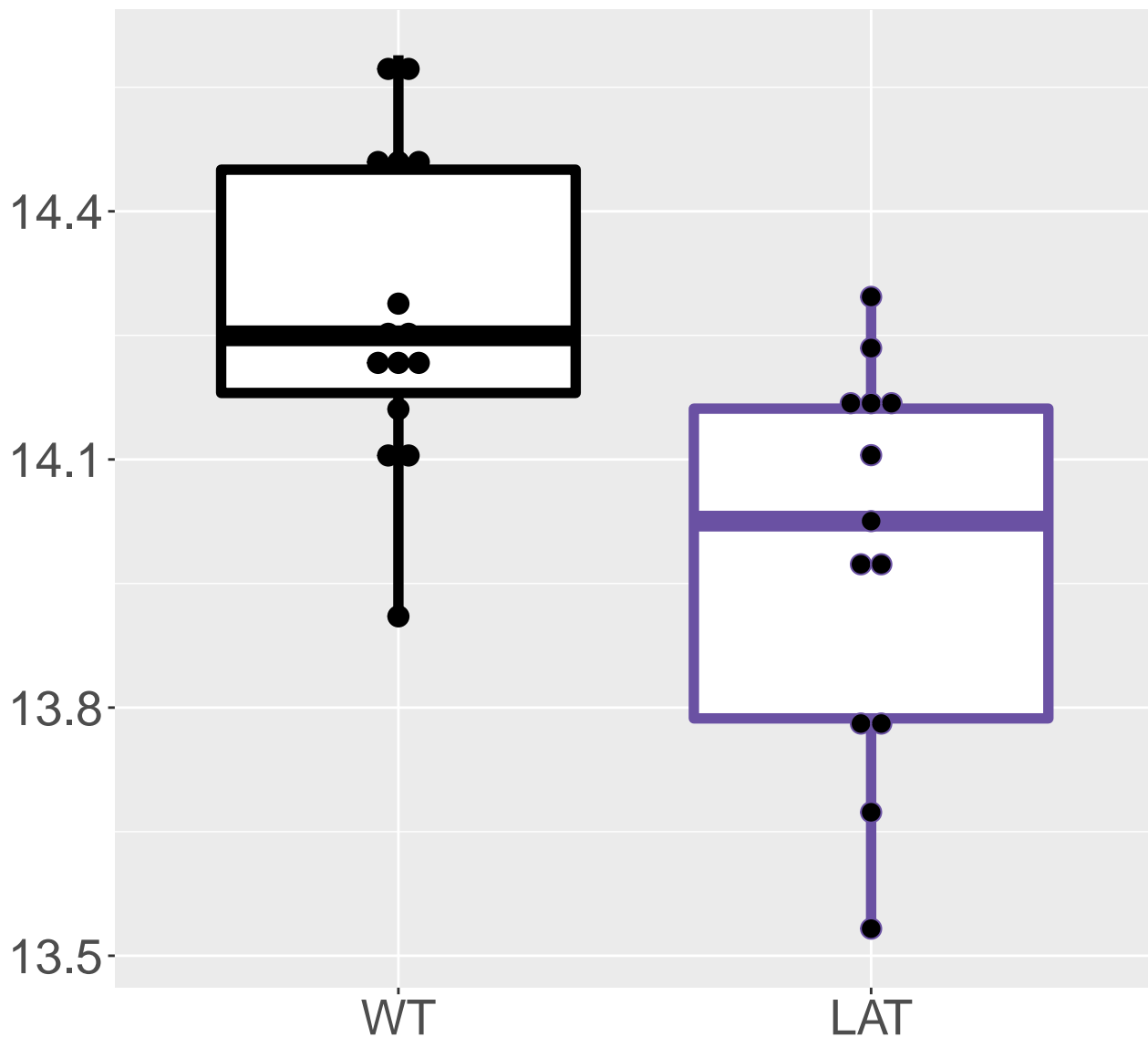
**M321.0324T42.74\_2**  
**FDR = 0.015, FC = -0.31**



**M606.7025T296.75\_2**  
**FDR = 0.015, FC = -0.66**

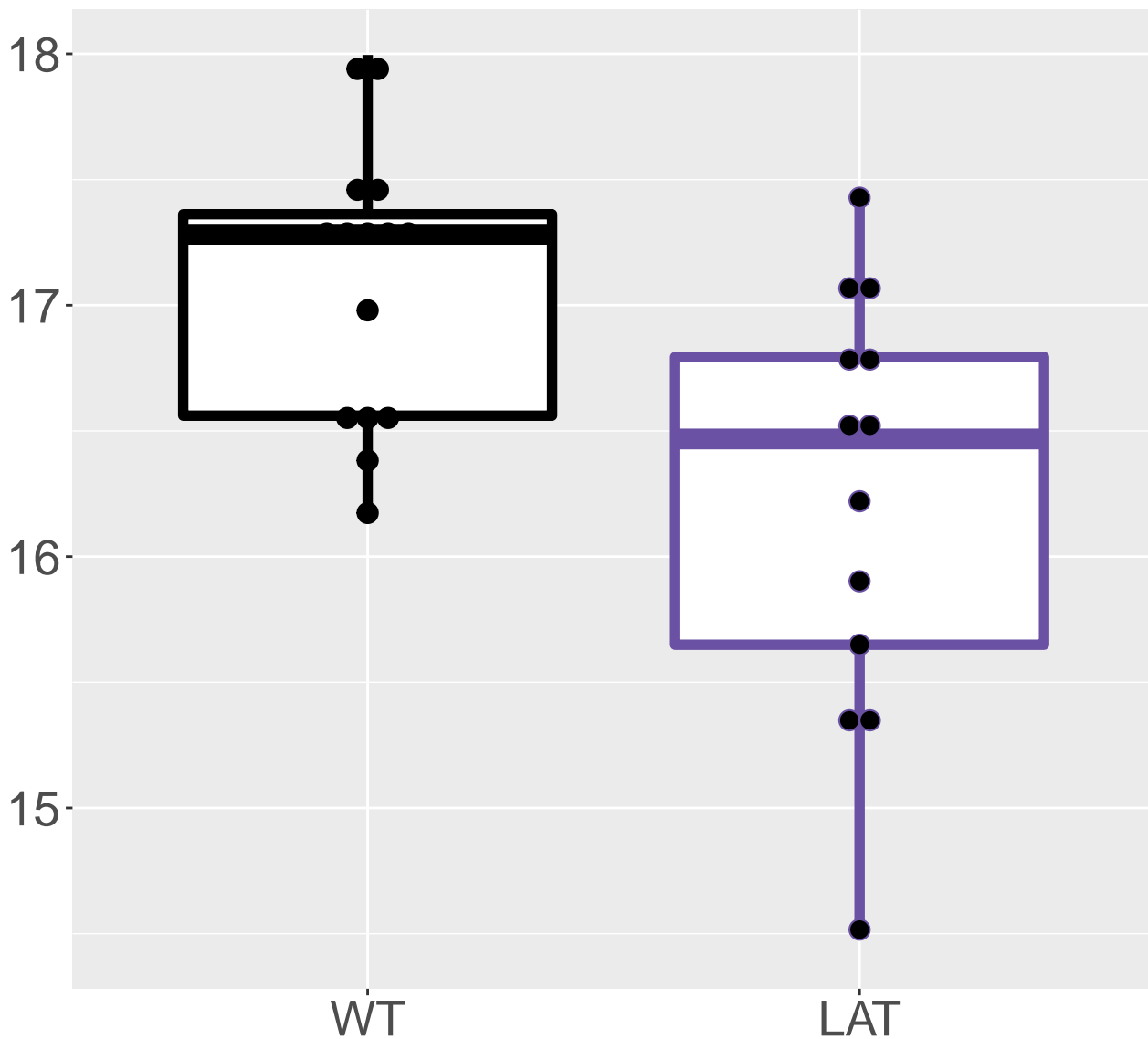


**M390.9783T42.75\_2**  
**FDR = 0.015, FC = -0.29**

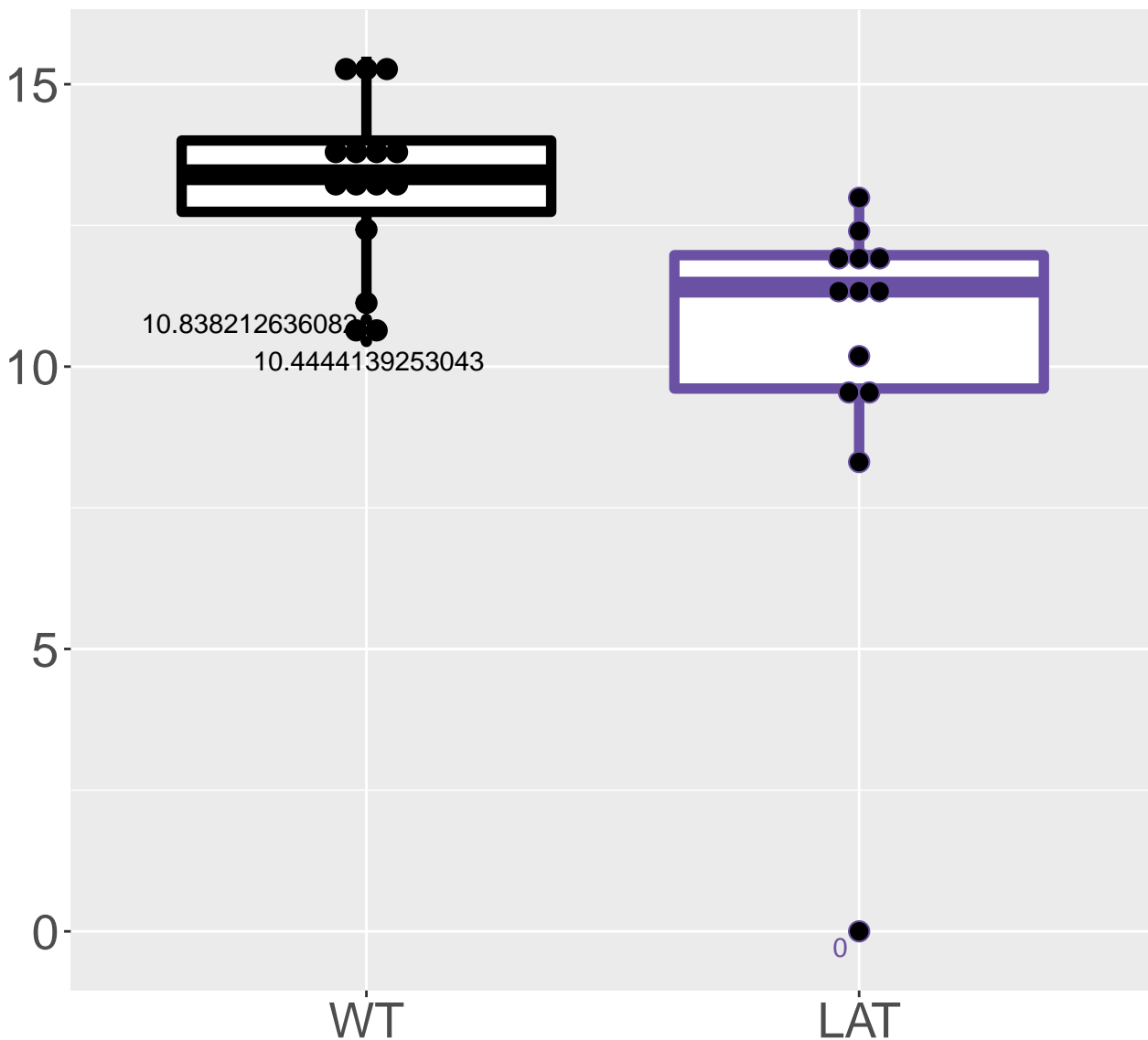


**M266.0895T64.43**

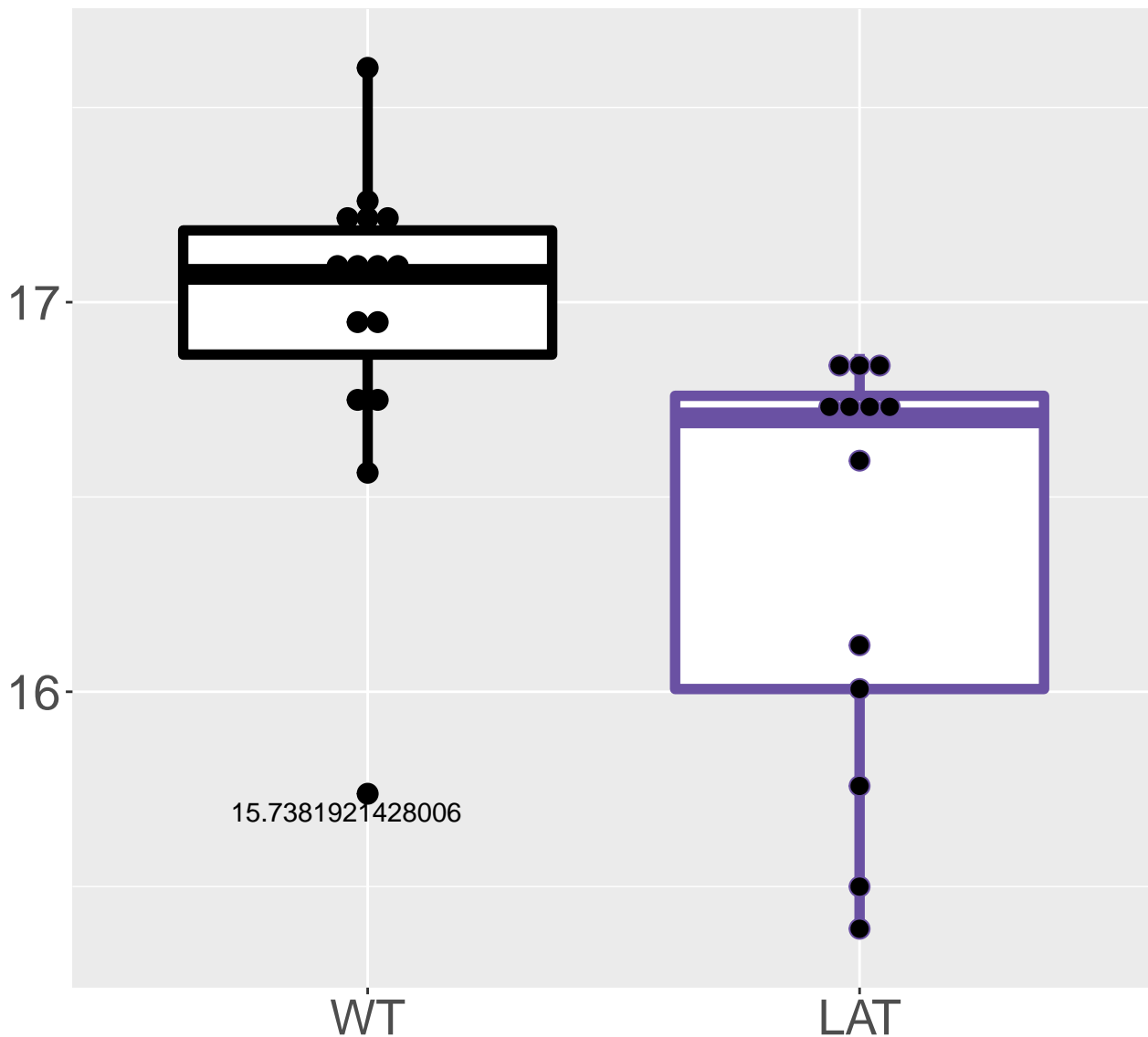
**FDR = 0.015, FC = -0.85**



**FDR = 0.015, FC = -3**

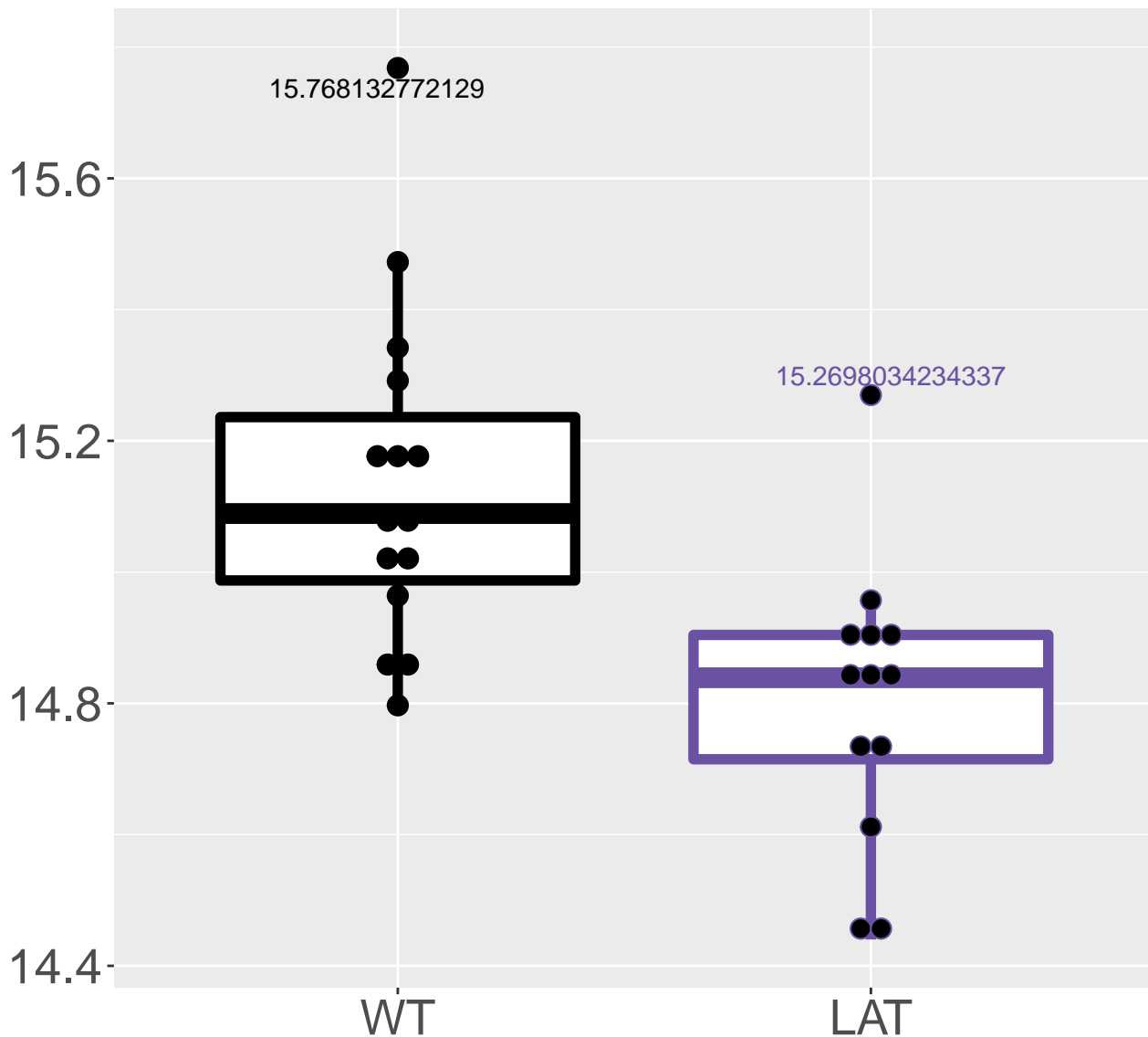


**M153.0414T116.9**  
**FDR = 0.015, FC = -0.6**



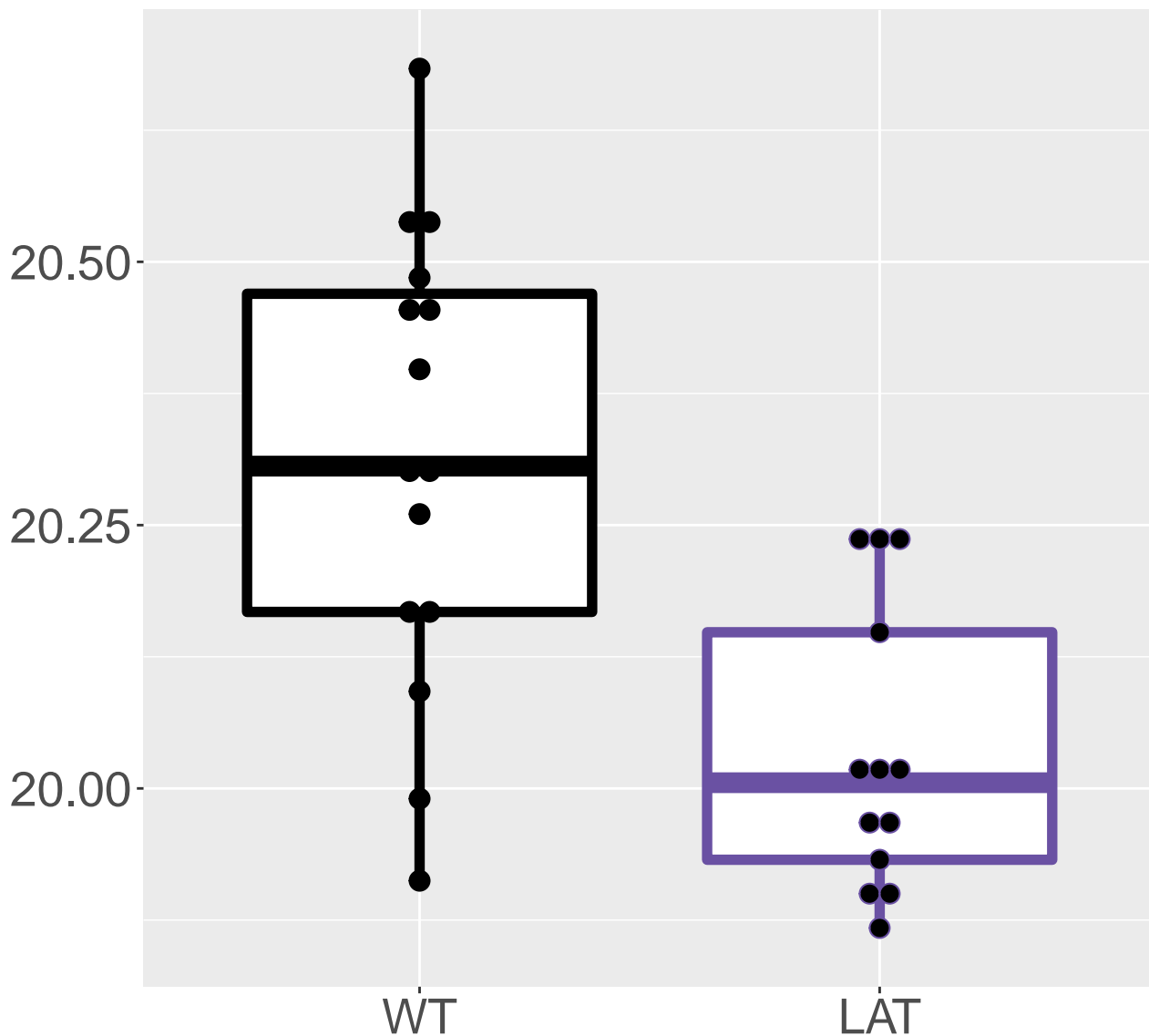
**M324.0906T41.48**

**FDR = 0.015, FC = -0.33**



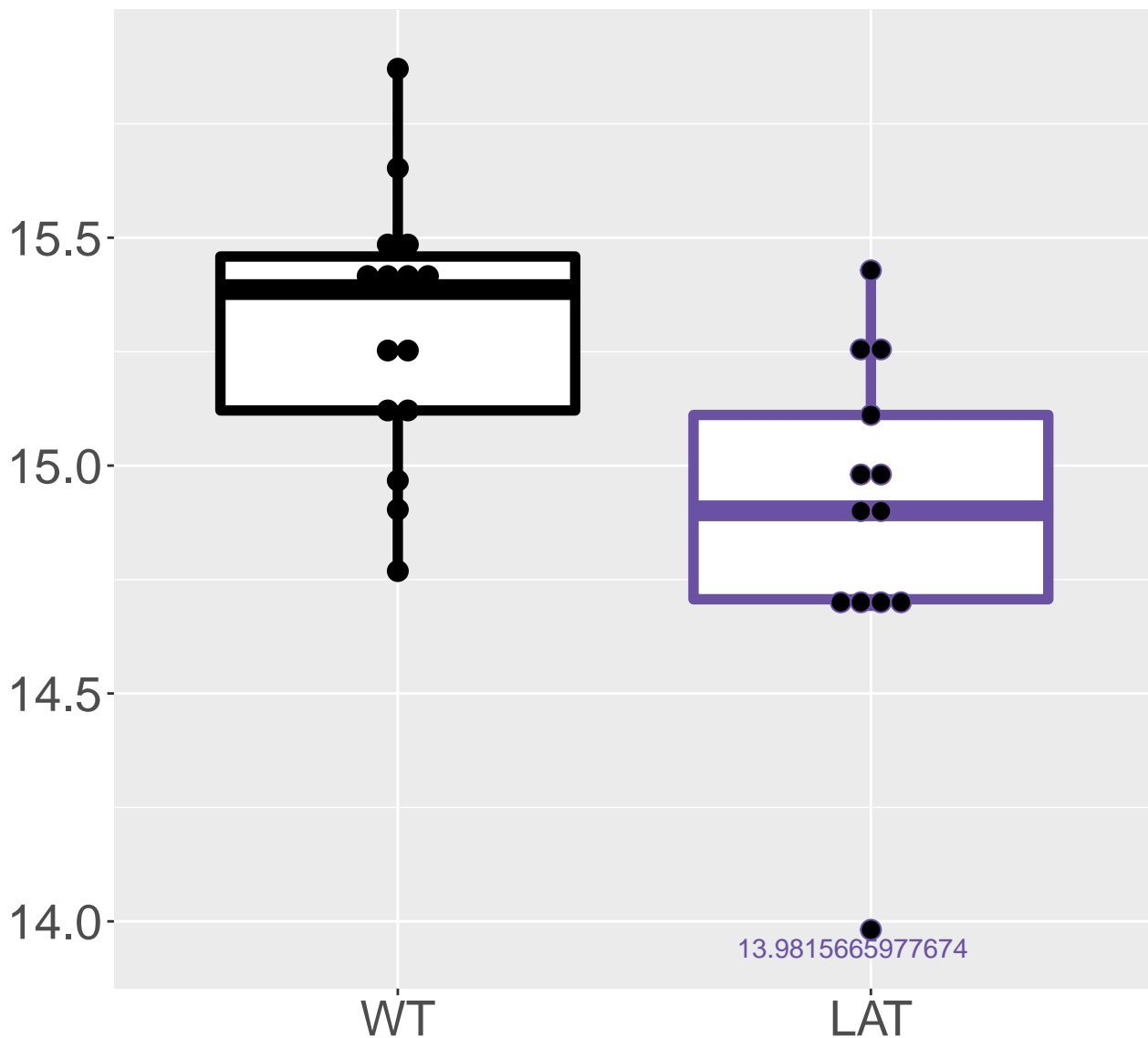
**M704.9754T371.48\_2**

**FDR = 0.015, FC = -0.28**

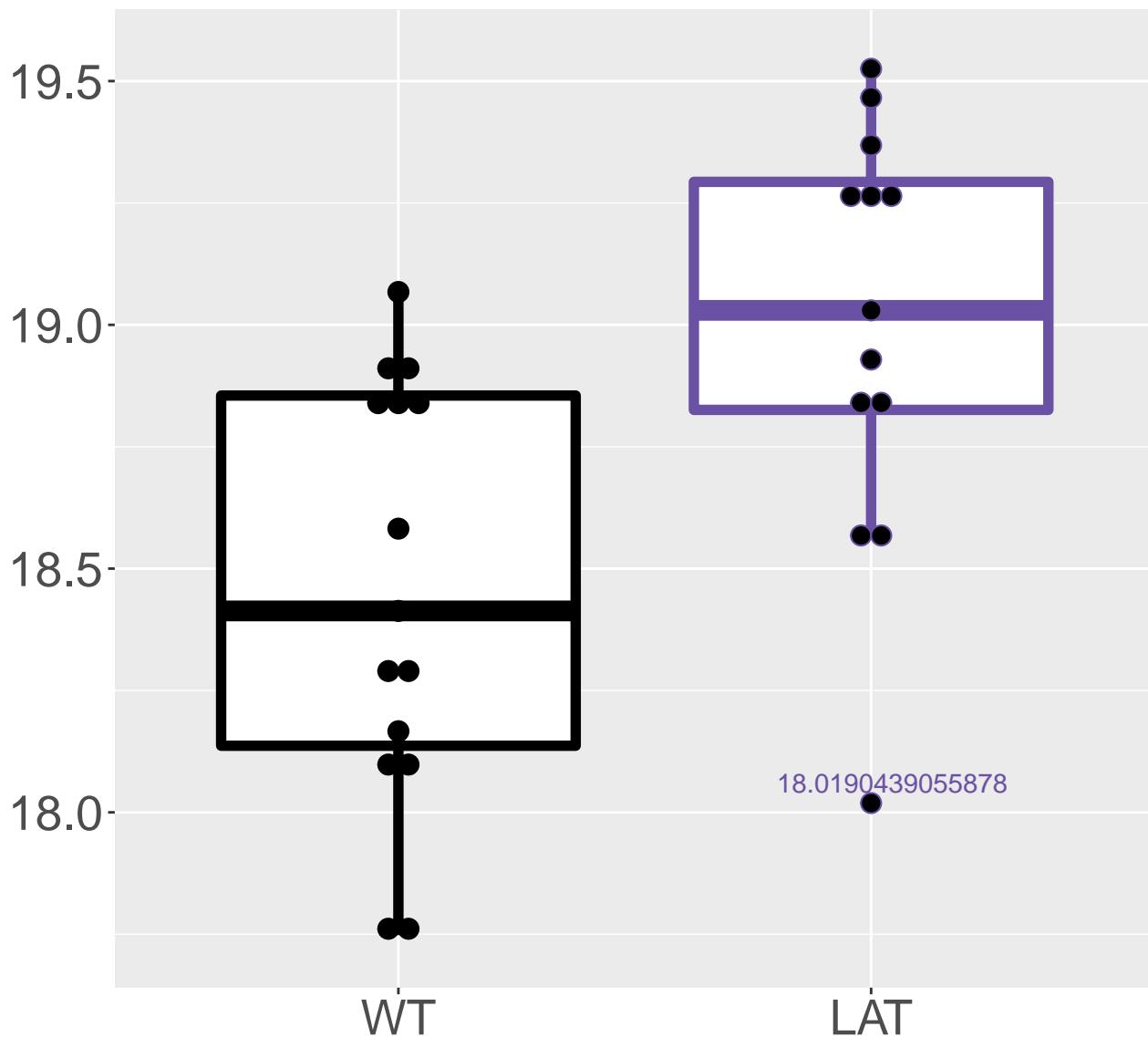




**FDR = 0.015, FC = -0.41**

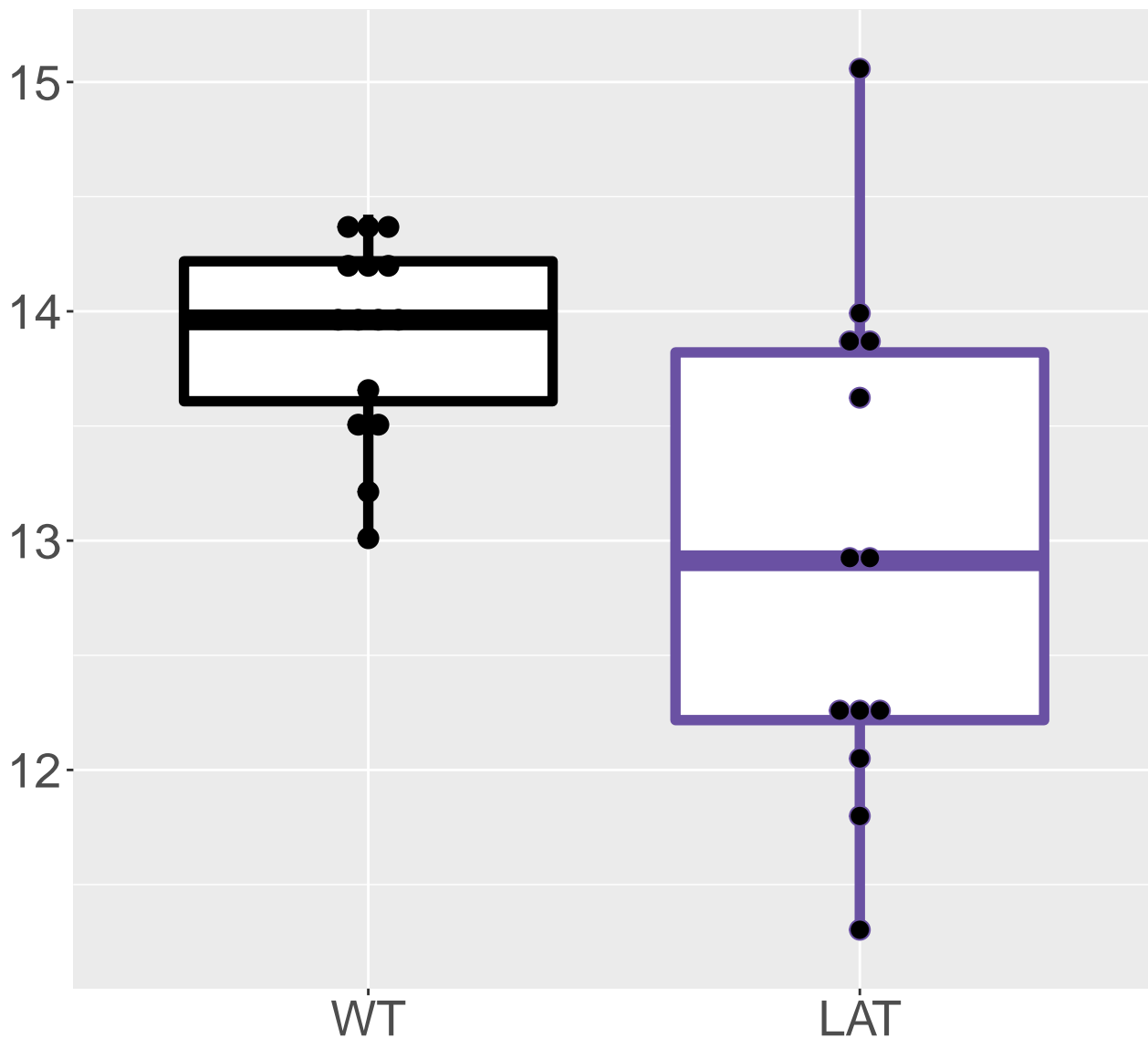


**M221.0431T47.03\_2**  
**FDR = 0.015, FC = 0.54**



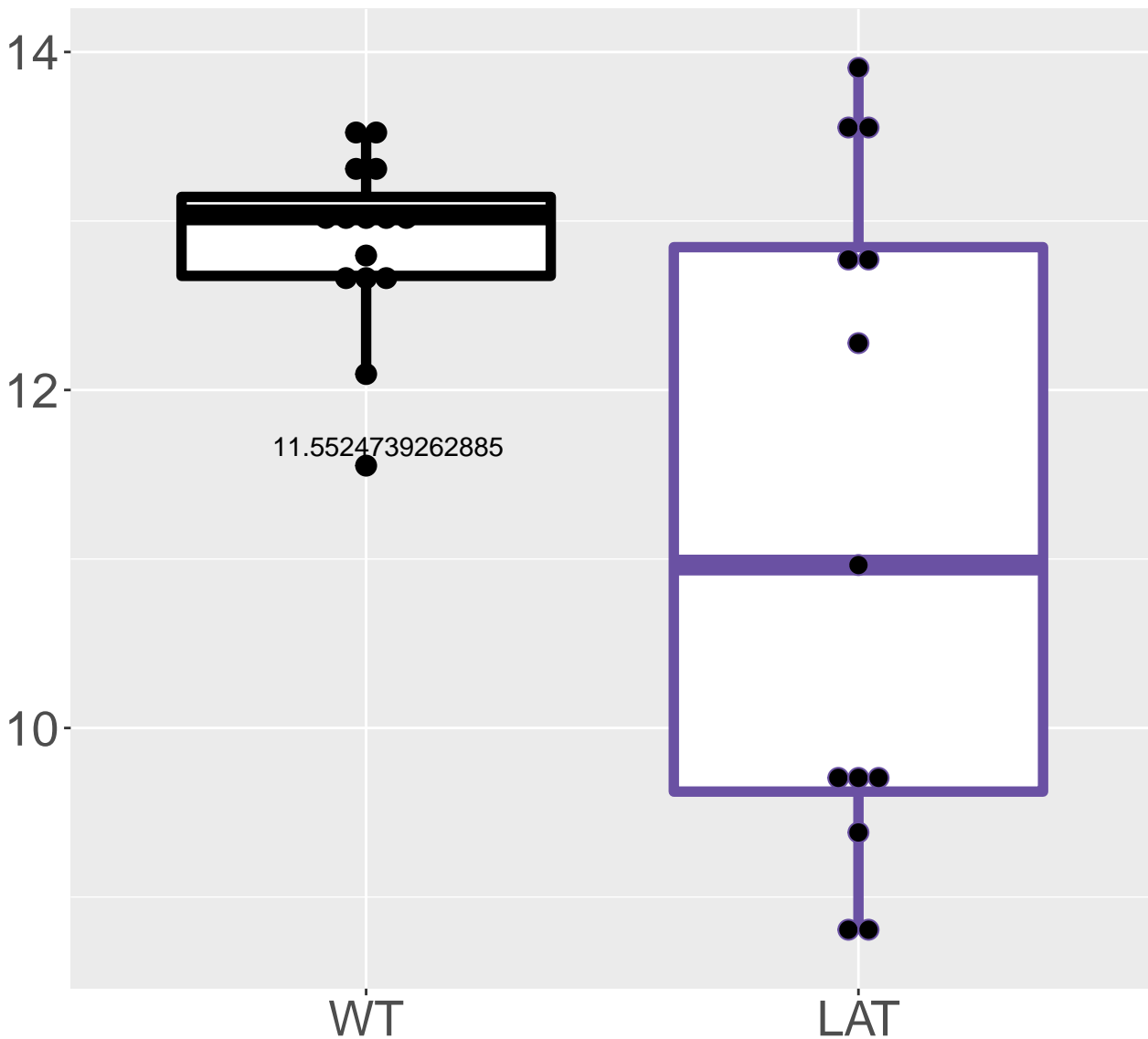
**M274.6482T186.38**

**FDR = 0.015, FC = -0.96**



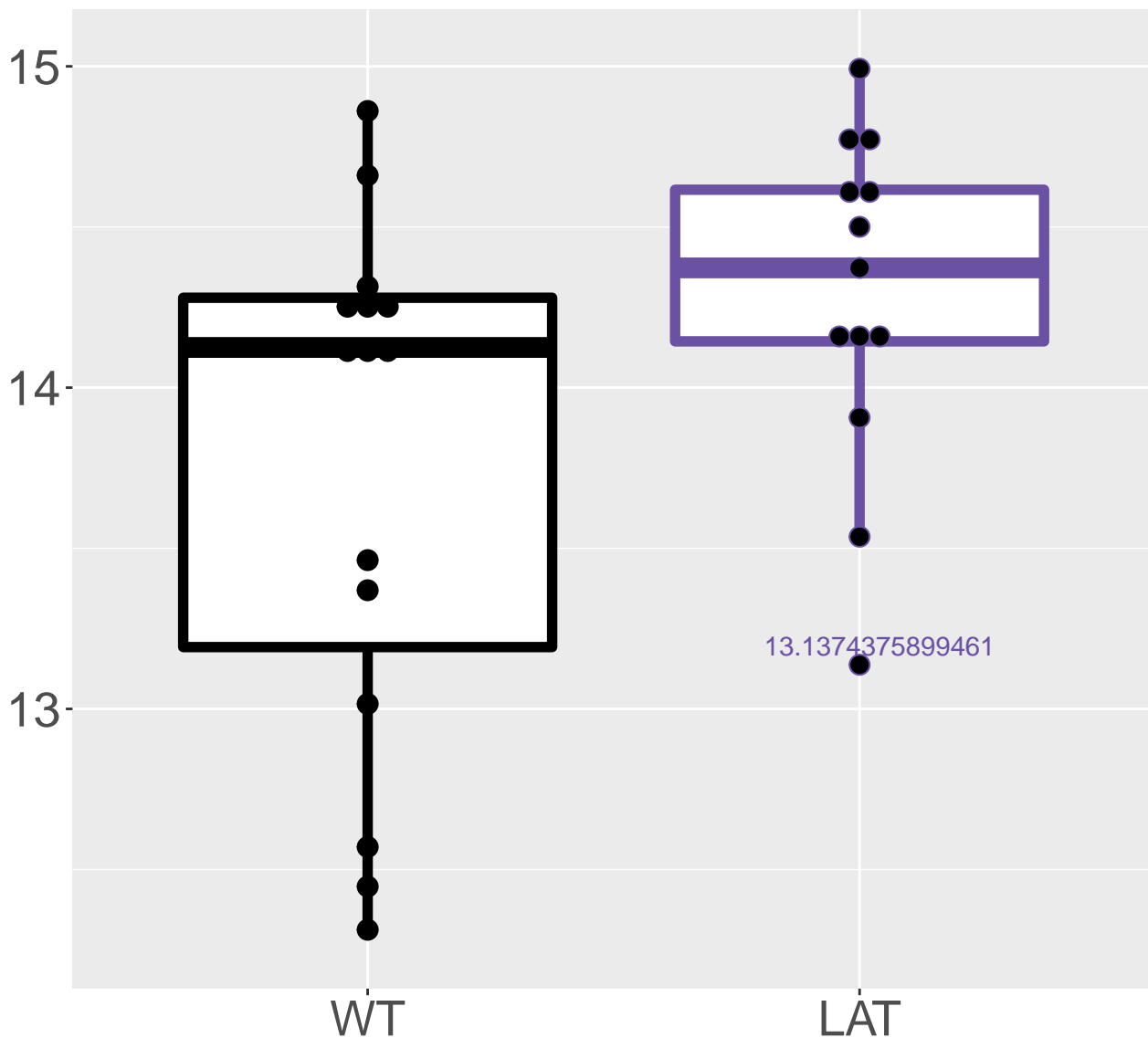
# M508.2472T106.73

**FDR = 0.016, FC = -1.7**

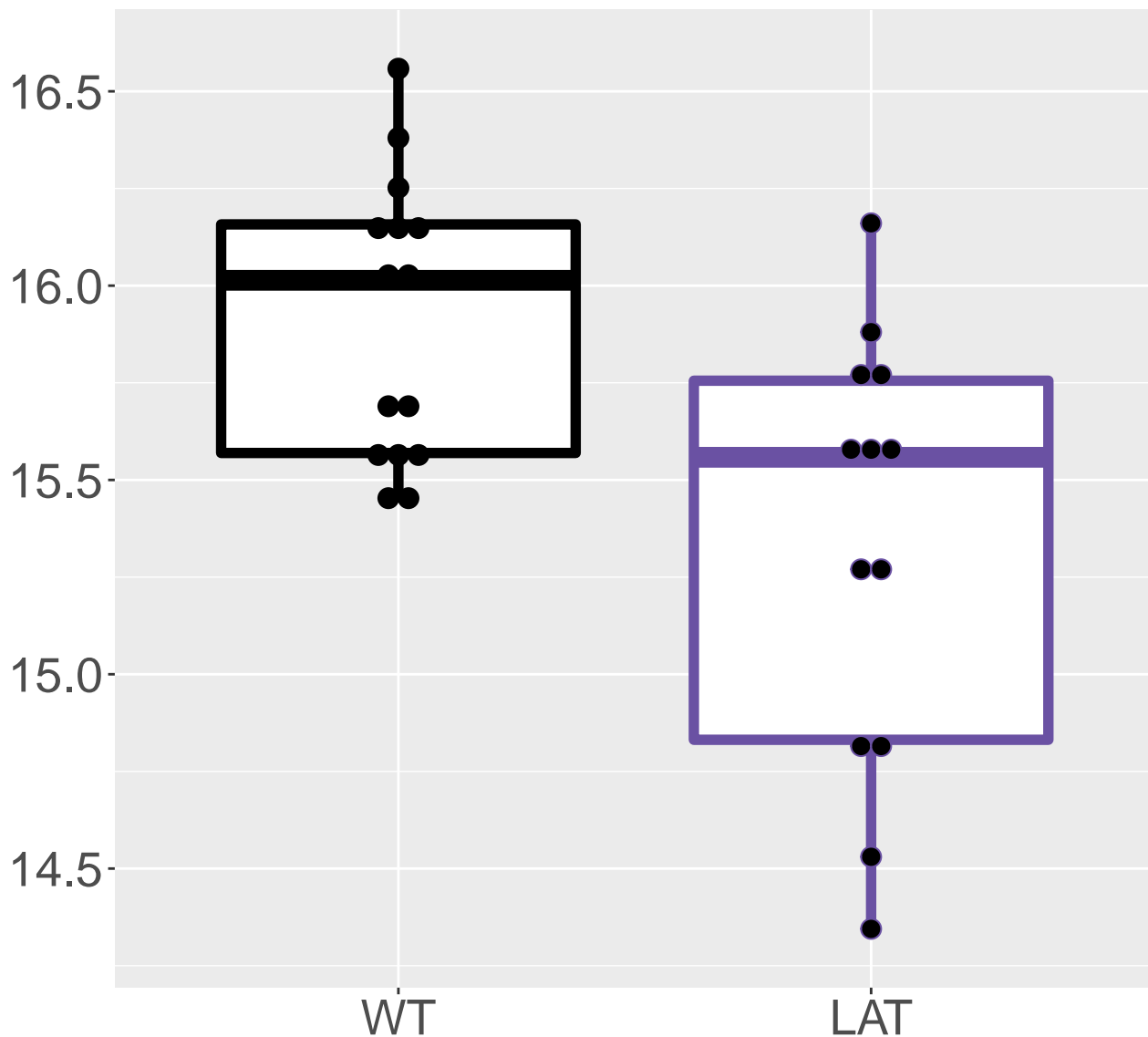


**M306.1244T487.52**

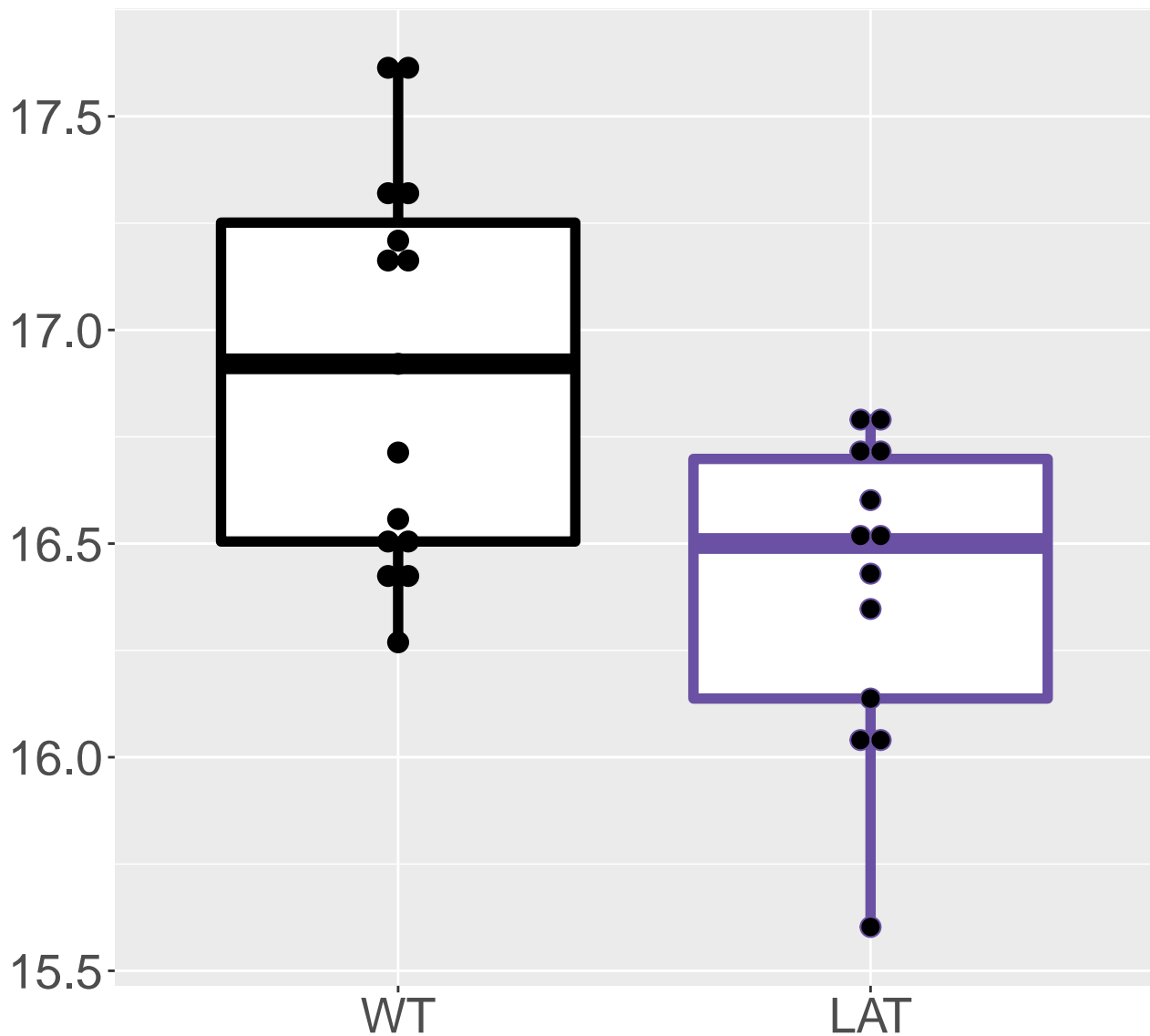
**FDR = 0.016, FC = 0.54, sex\*\***



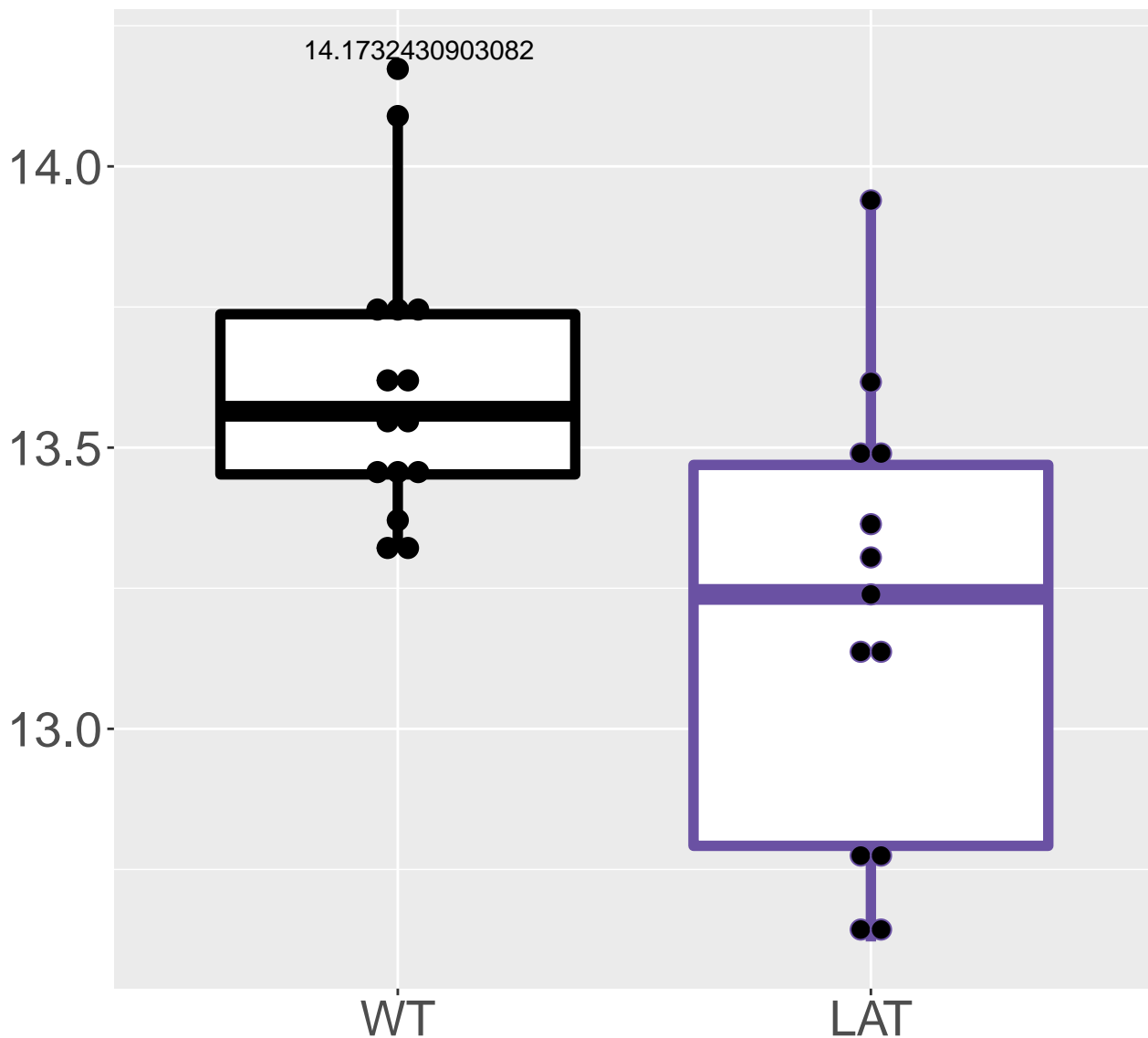
**M160.7675T113.11\_13**  
**FDR = 0.016, FC = -0.58**



**M129.8924T75.44\_21**  
**FDR = 0.016, FC = -0.51**



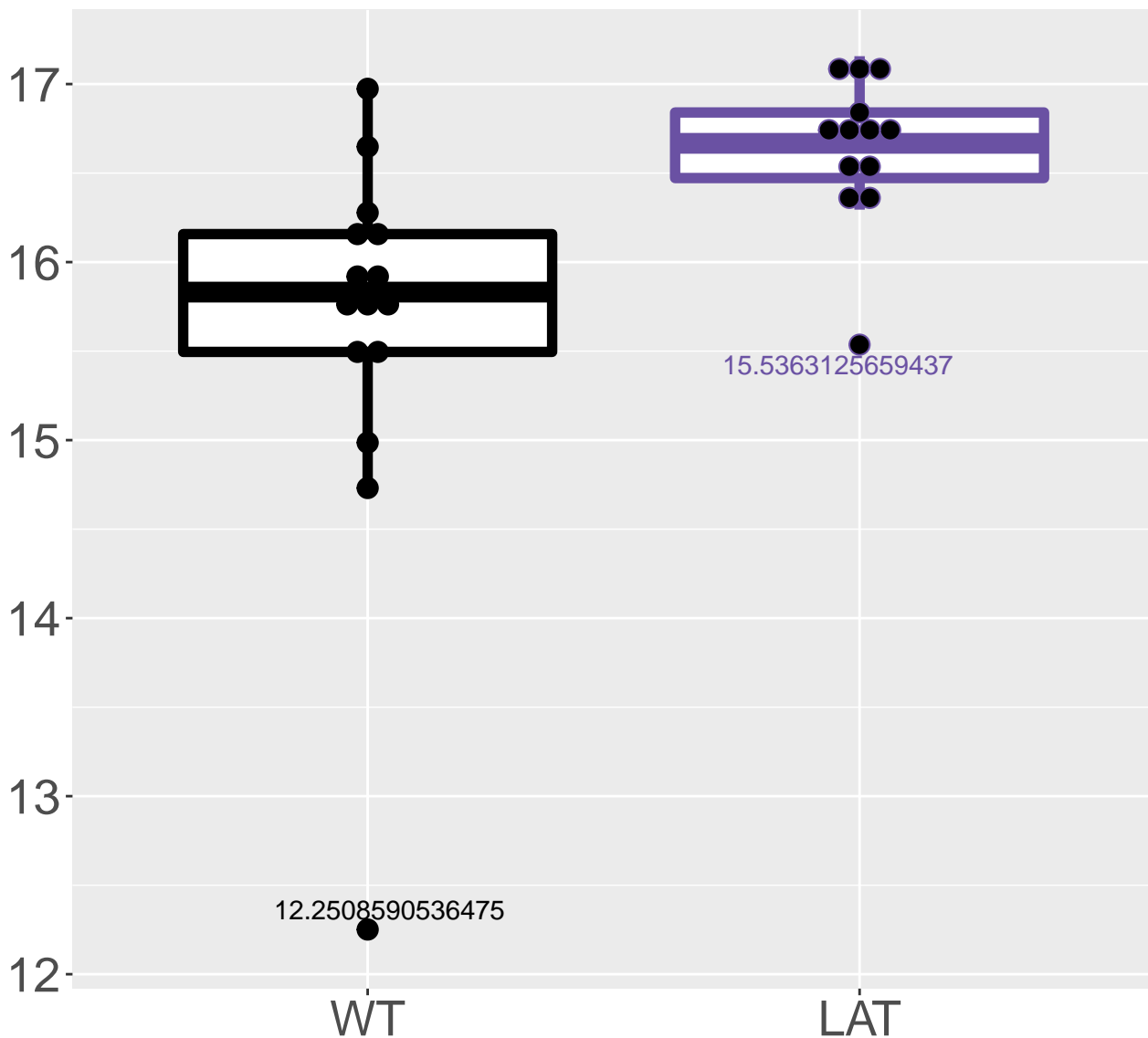
**M825.9138T320.41\_1**  
**FDR = 0.016, FC = -0.42**



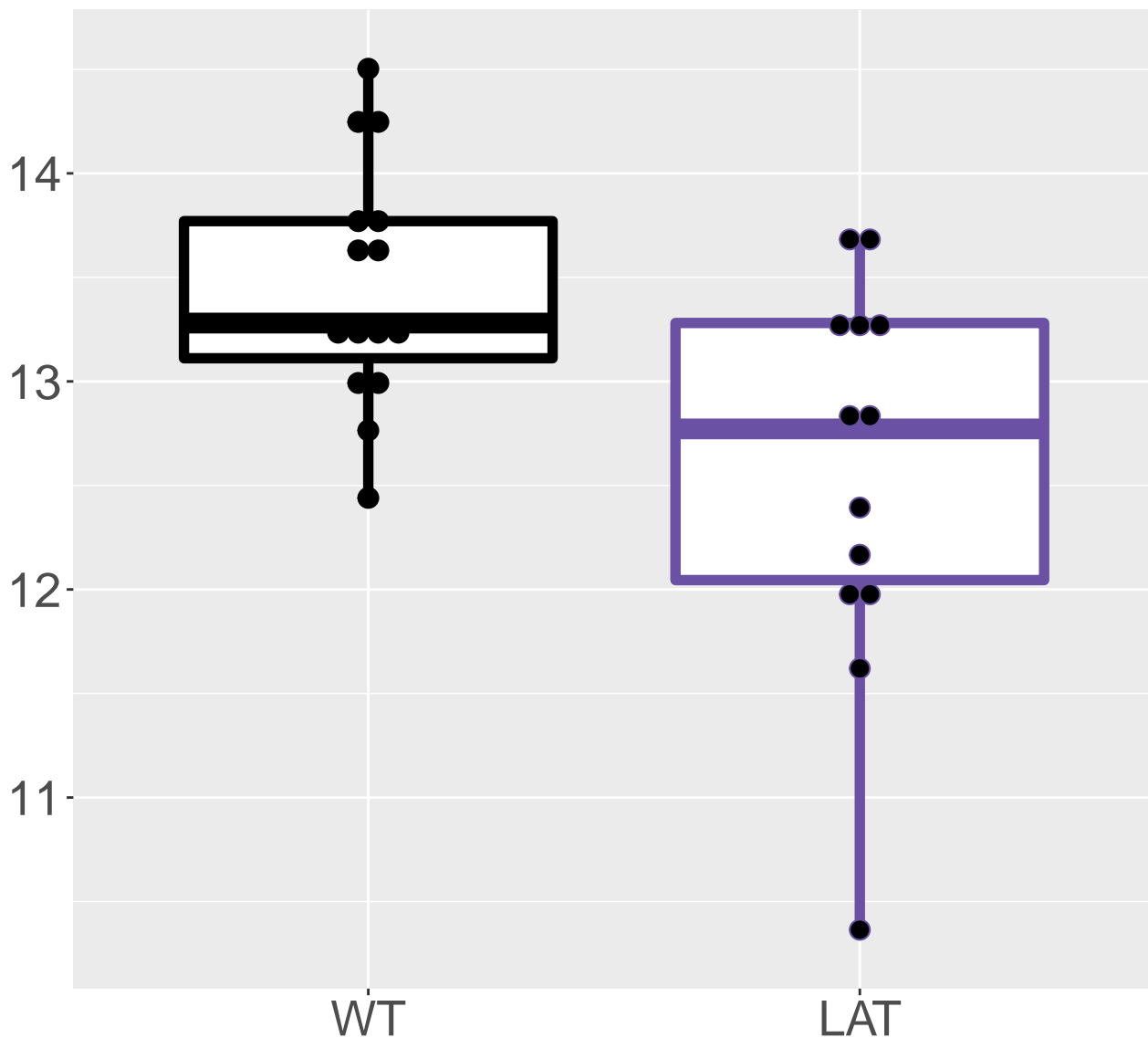


**M387.2171T66.38**

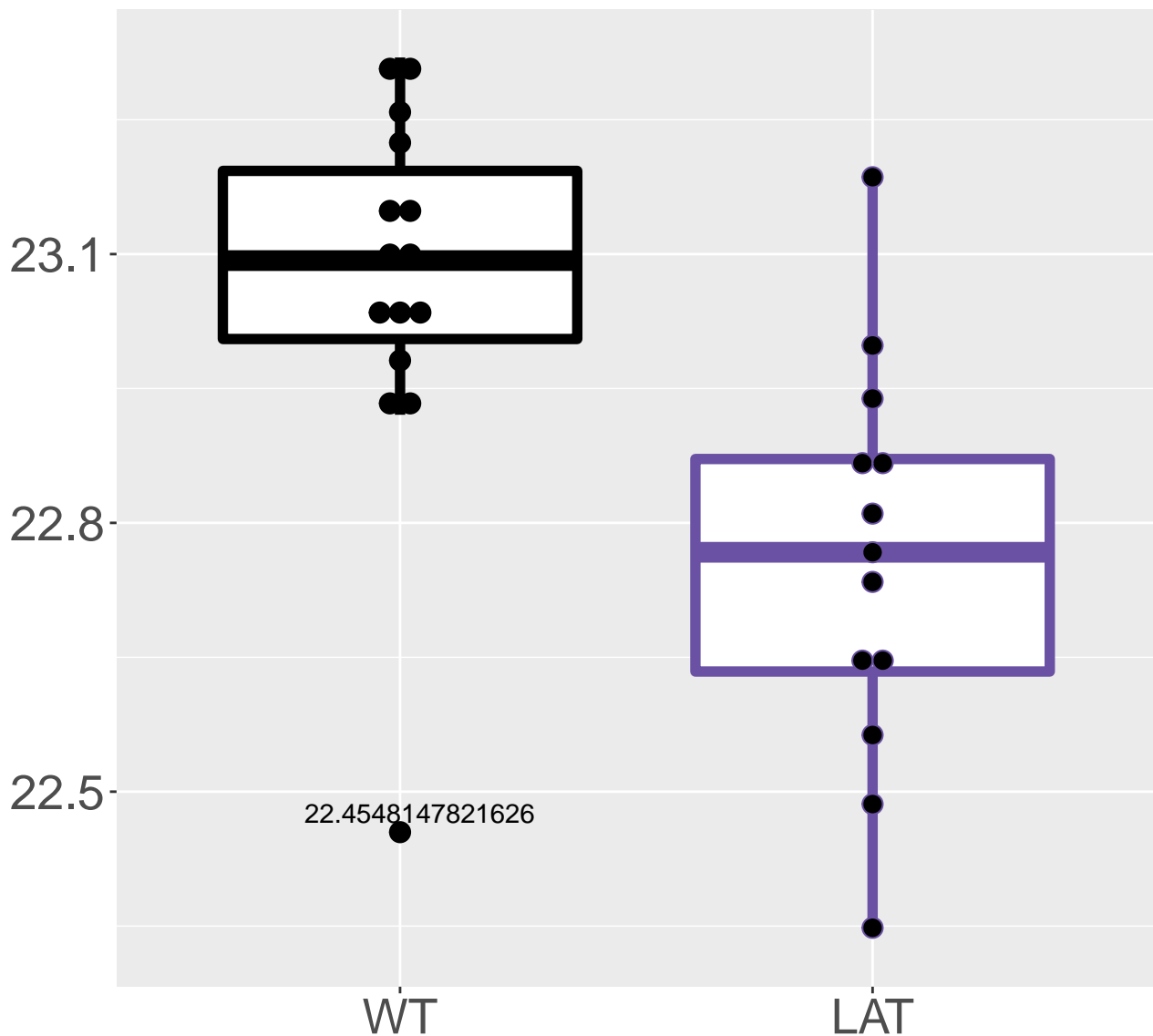
**FDR = 0.016, FC = 1**



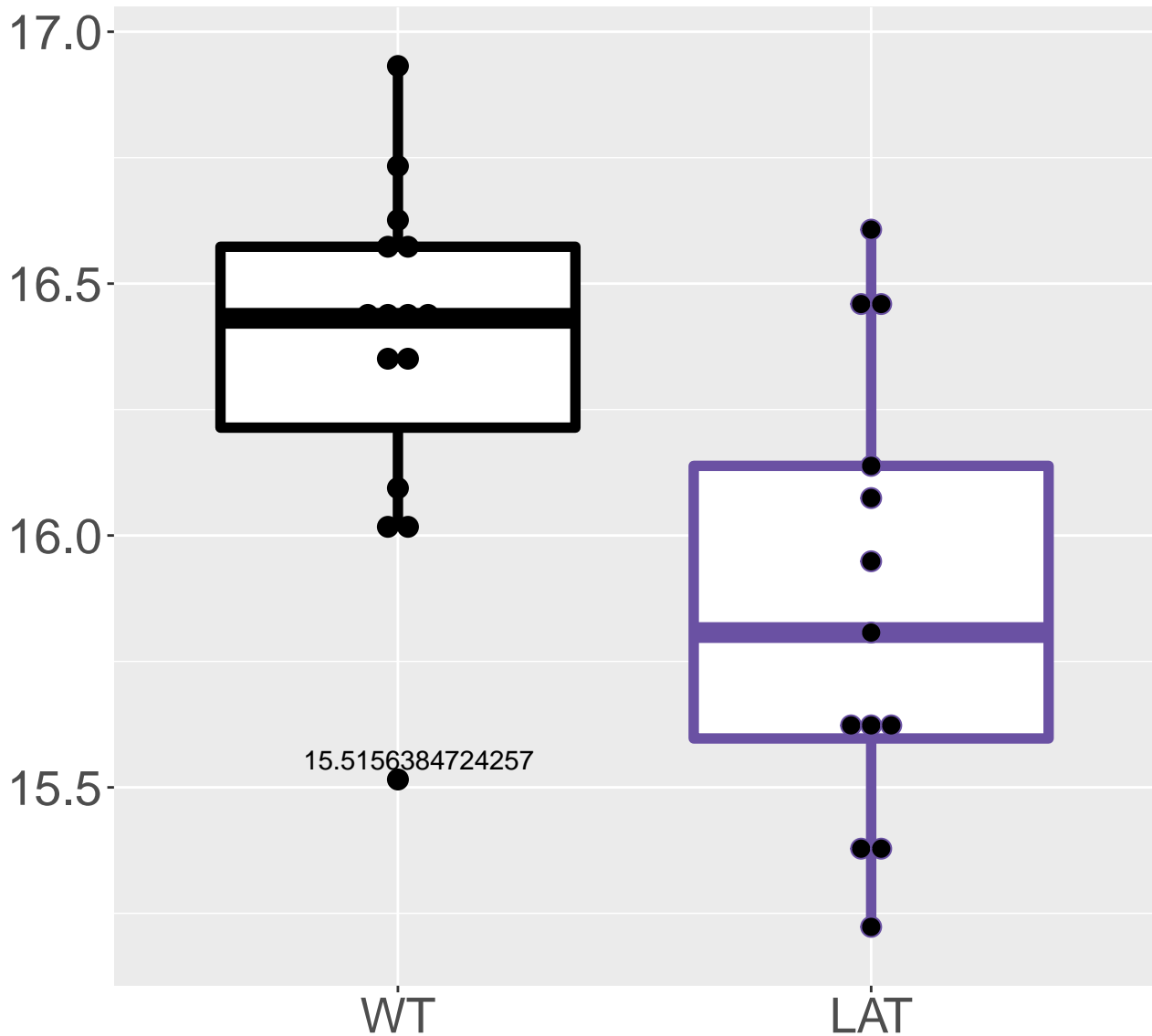
**M512.8955T378.23\_2**  
**FDR = 0.016, FC = -0.9**



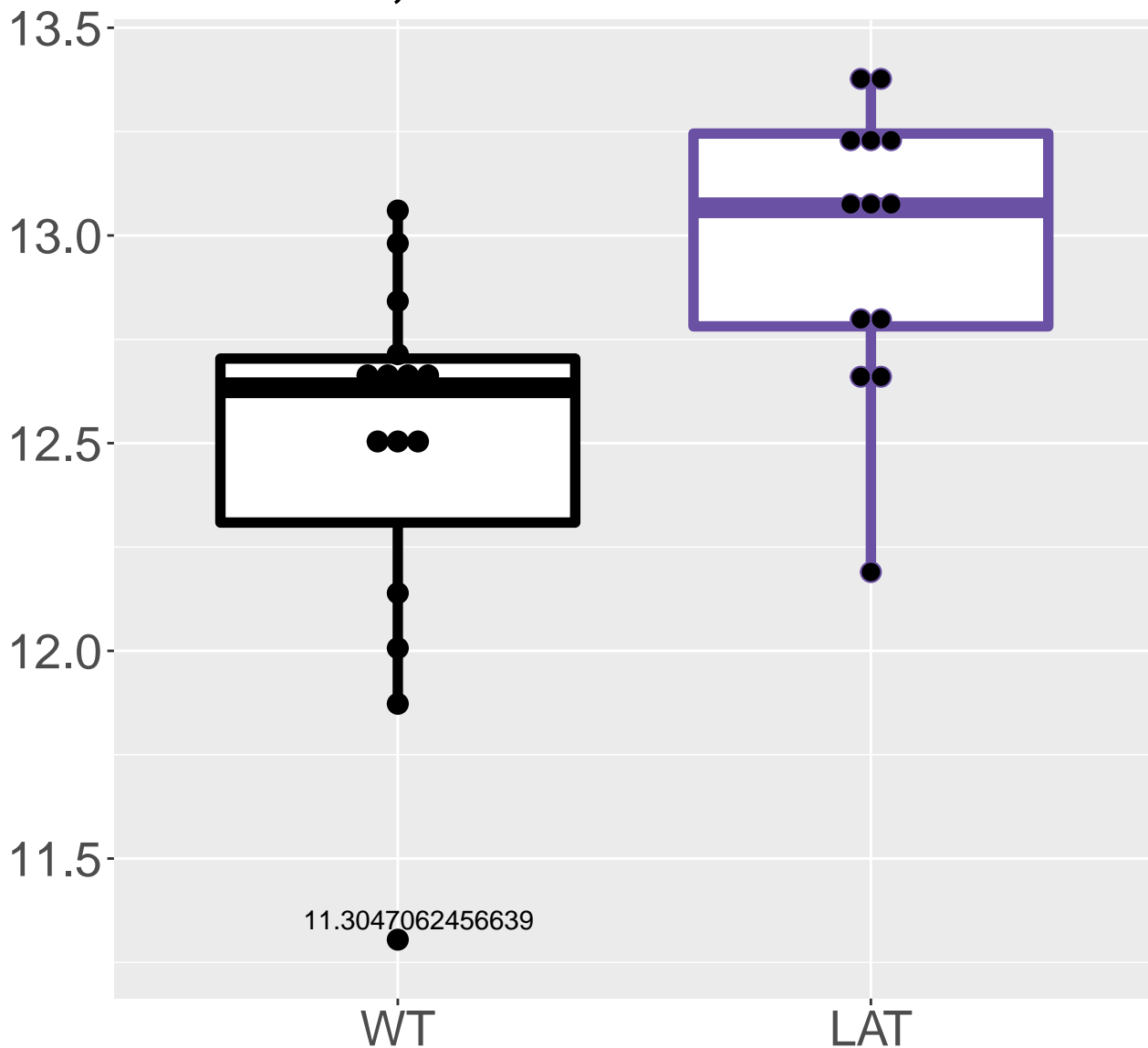
**D-allo-Threonine|L-Threonine;Threonine|L-Threonine**  
**FDR = 0.016, FC = -0.31**



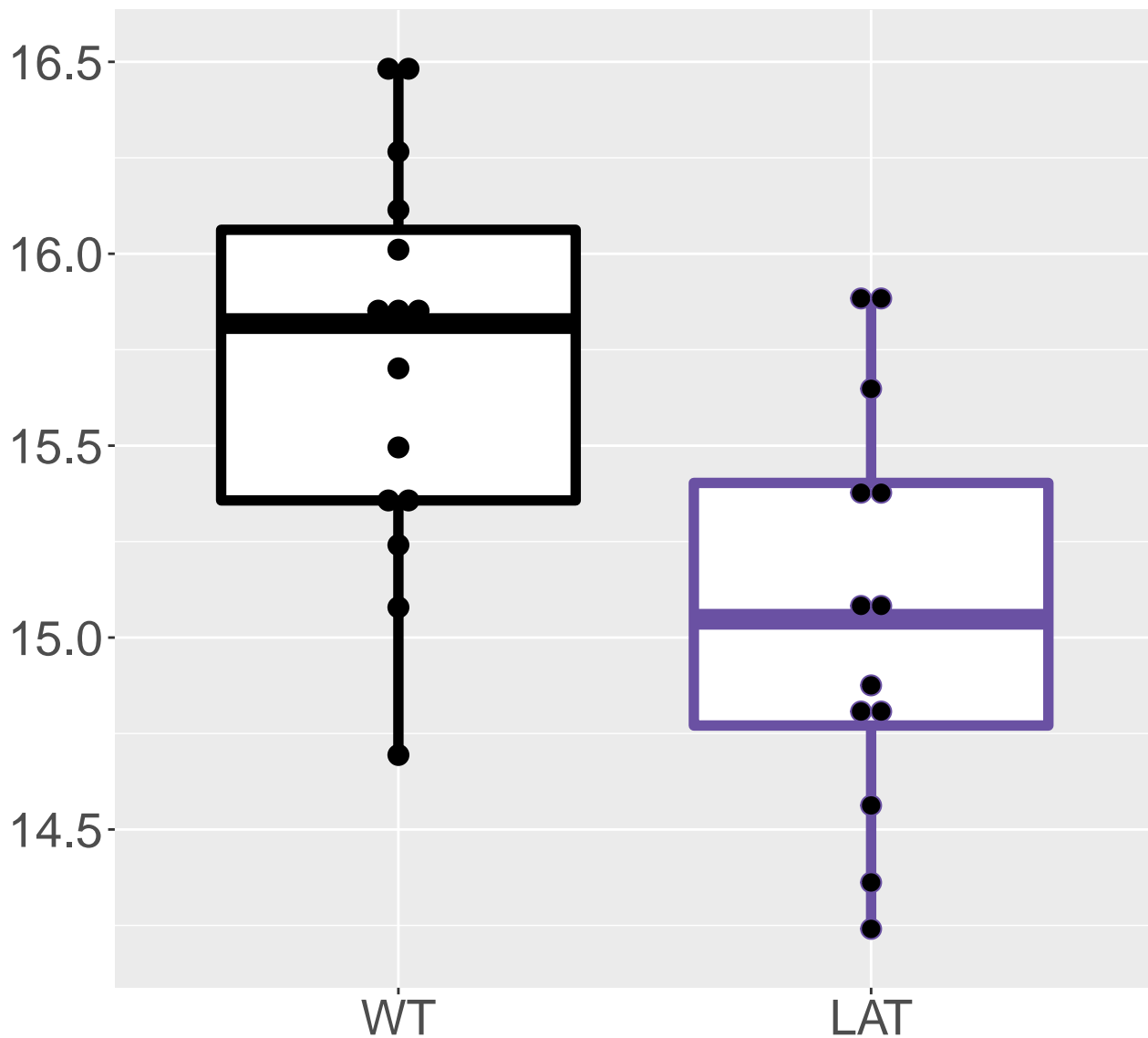
**M185.0896T66.73\_3**  
**FDR = 0.016, FC = -0.5**



**M361.1414T384.31**  
**FDR = 0.016, FC = 0.51**

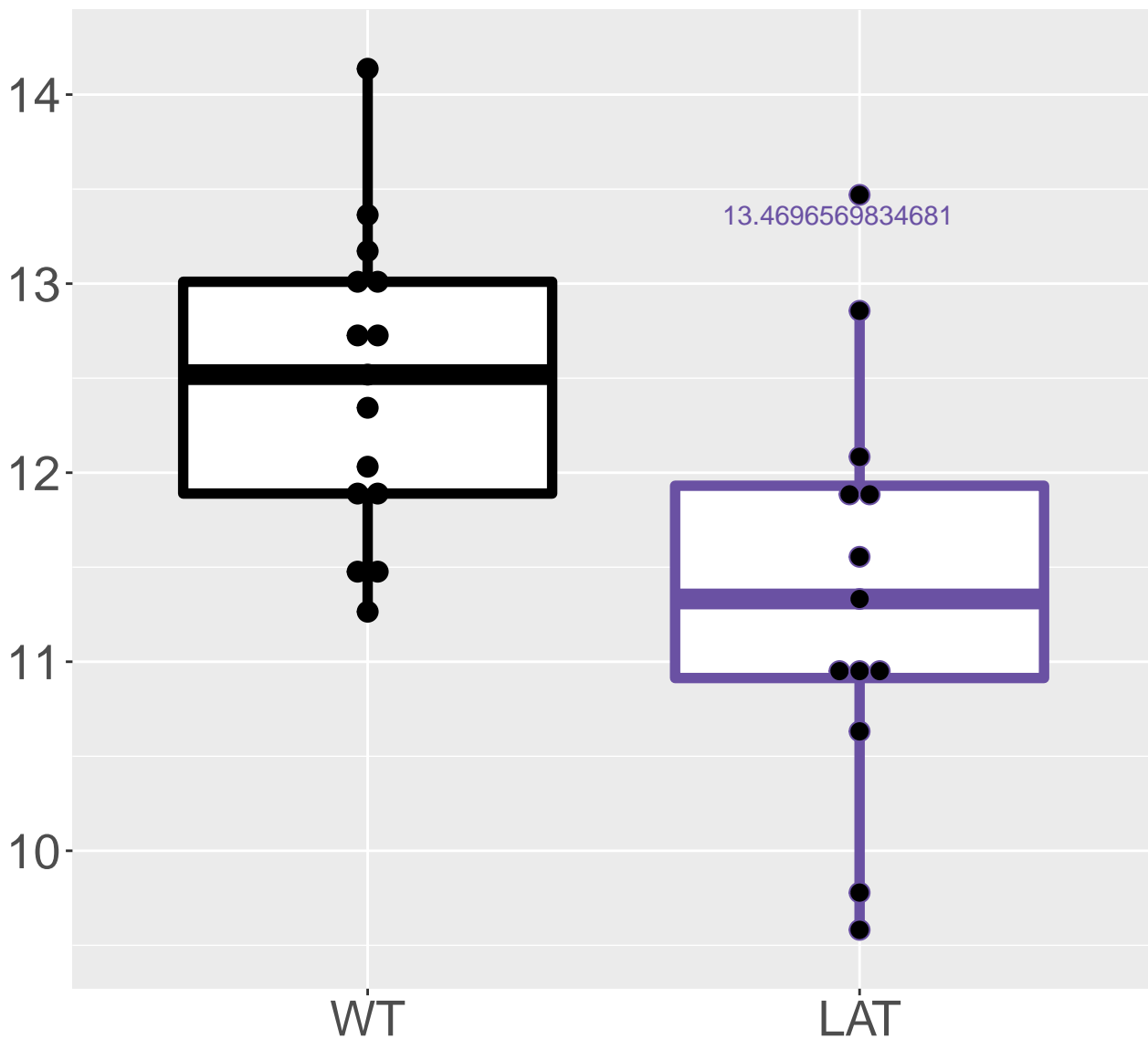


**M170.9887T113.18\_19**  
**FDR = 0.016, FC = -0.65**

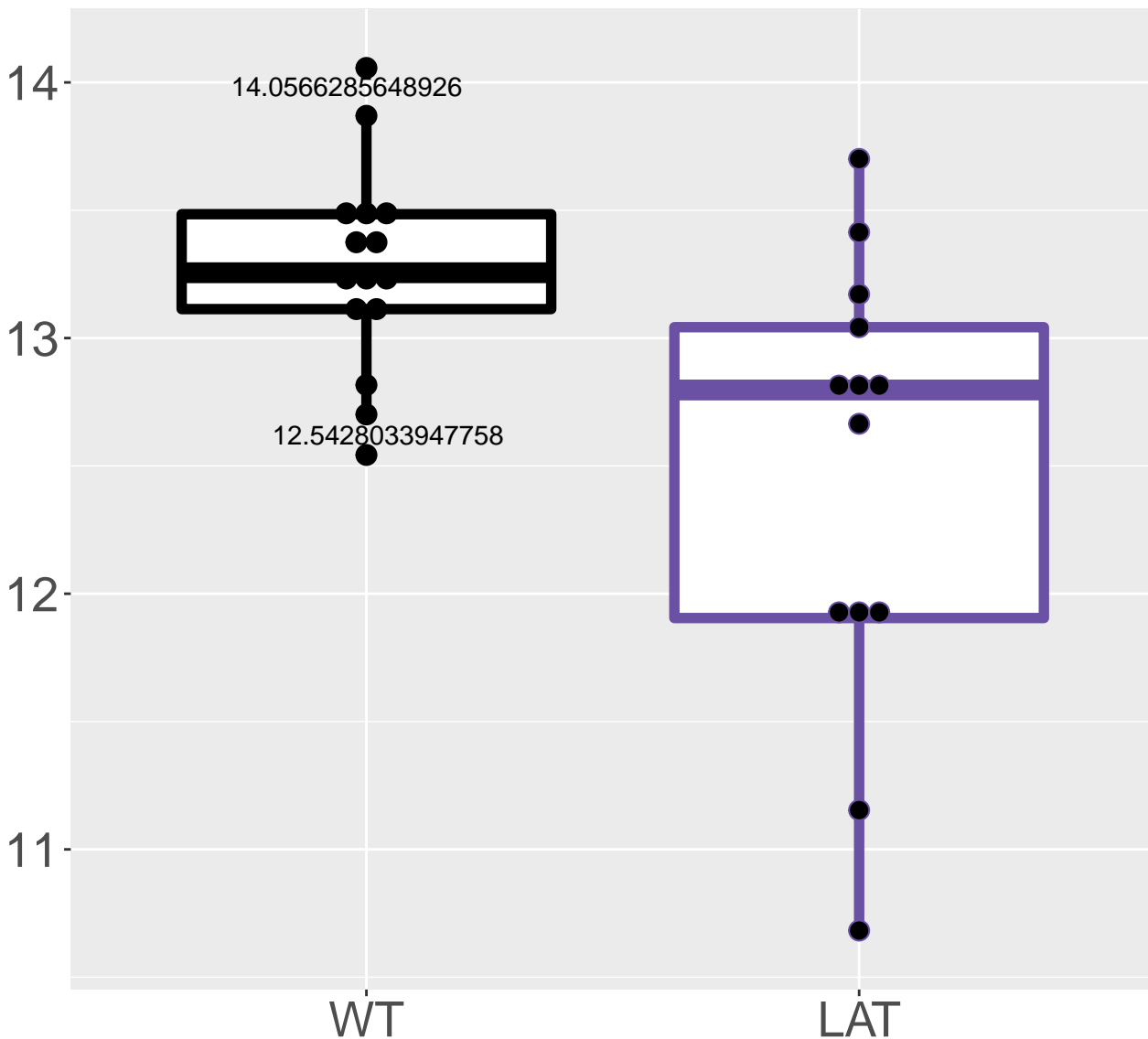


**M299.0828T266.5**

**FDR = 0.016, FC = -1.1**



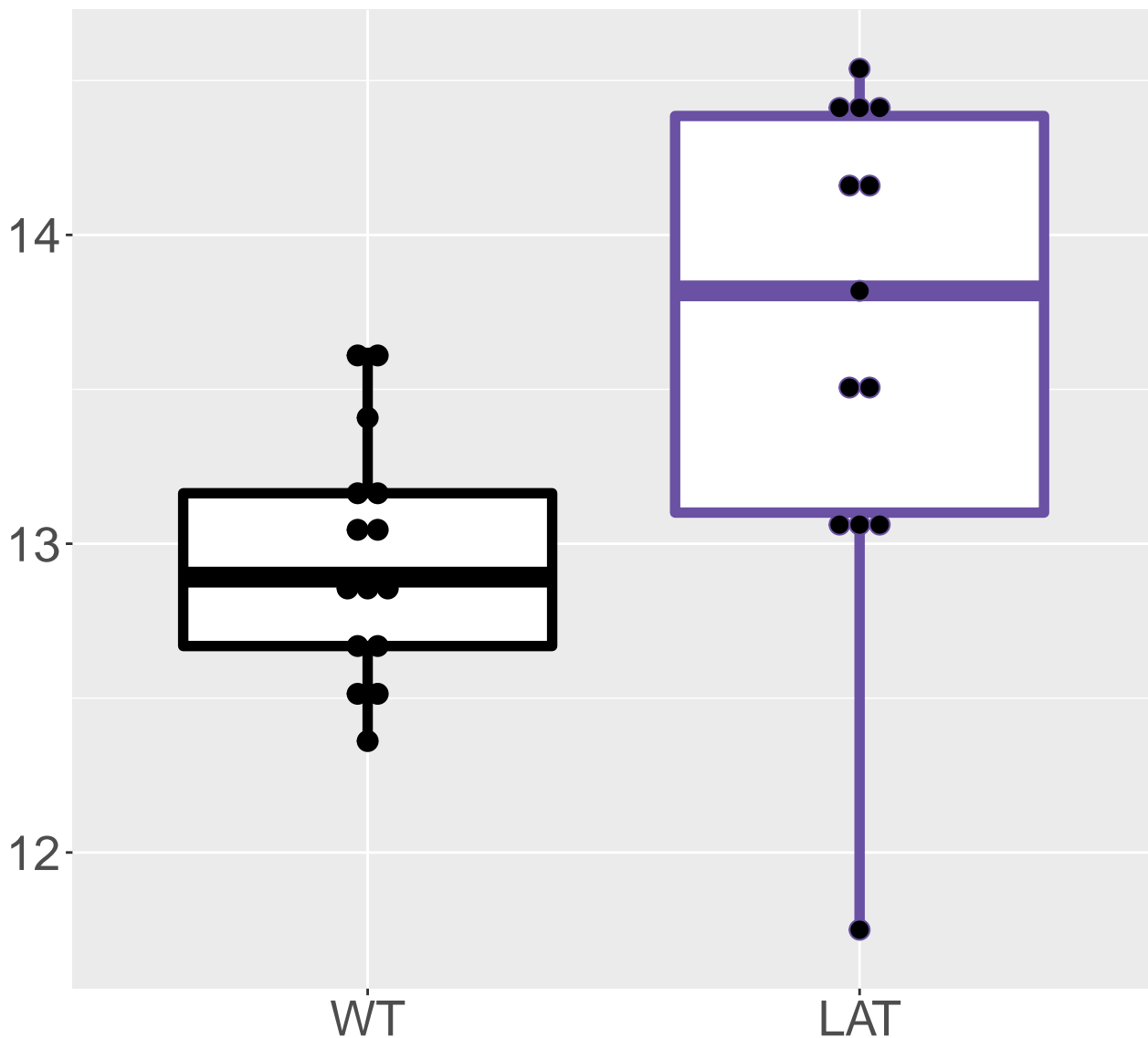
**M521.1305T392.65\_1**  
**FDR = 0.016, FC = -0.81**





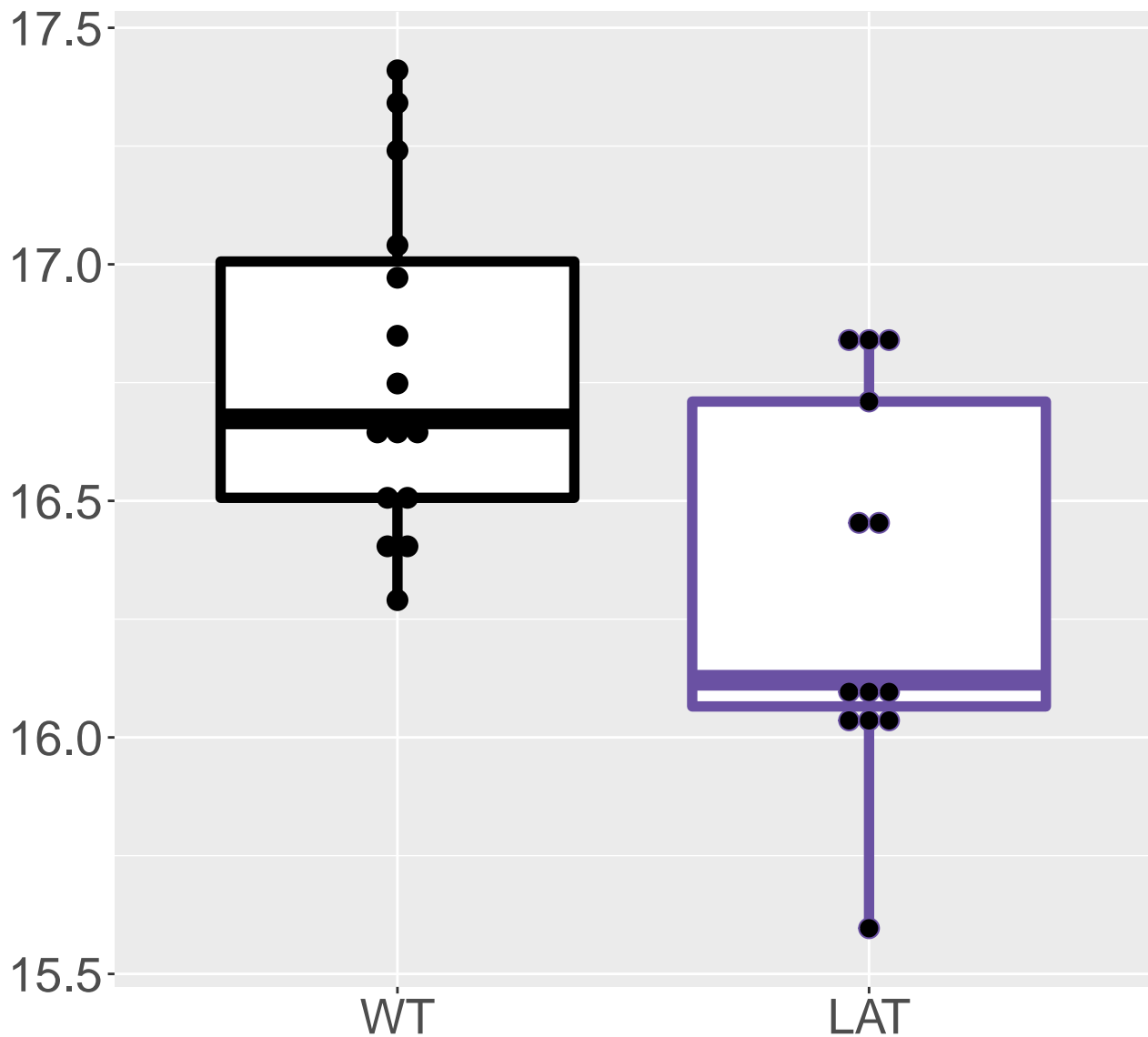
**M331.1907T504.75**

**FDR = 0.016, FC = 0.72**

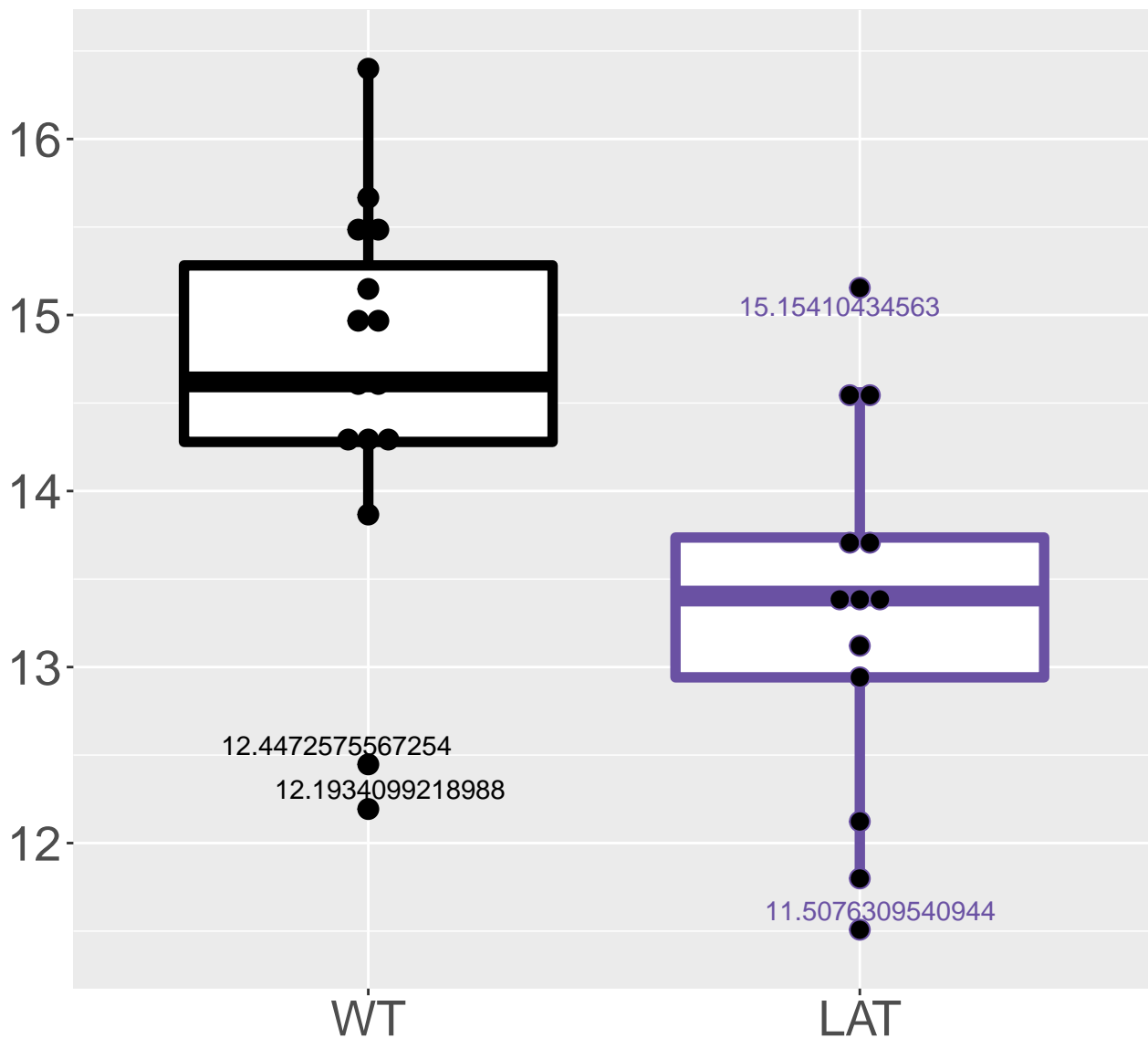


**M191.0776T43.42**

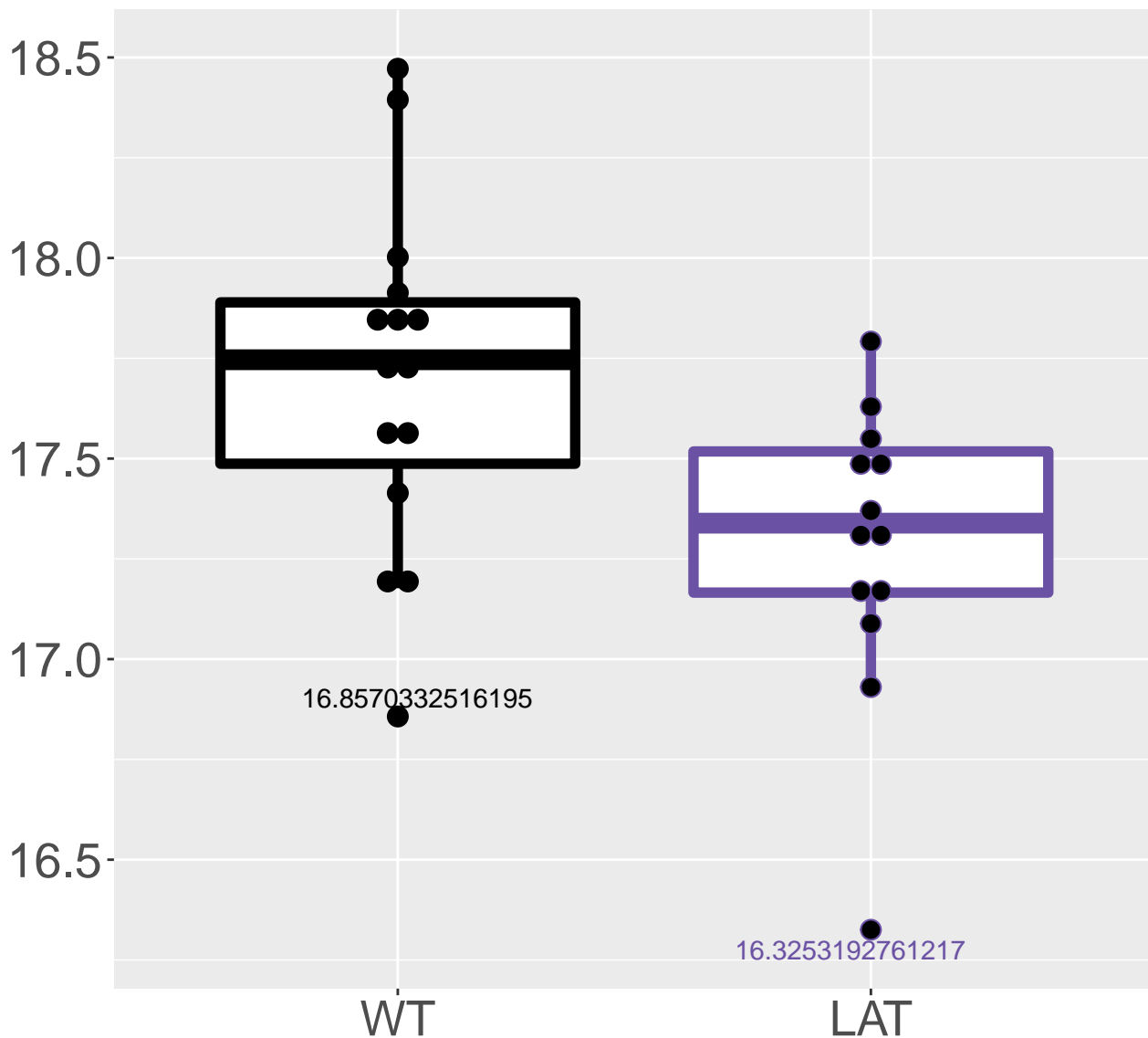
**FDR = 0.016, FC = -0.46**



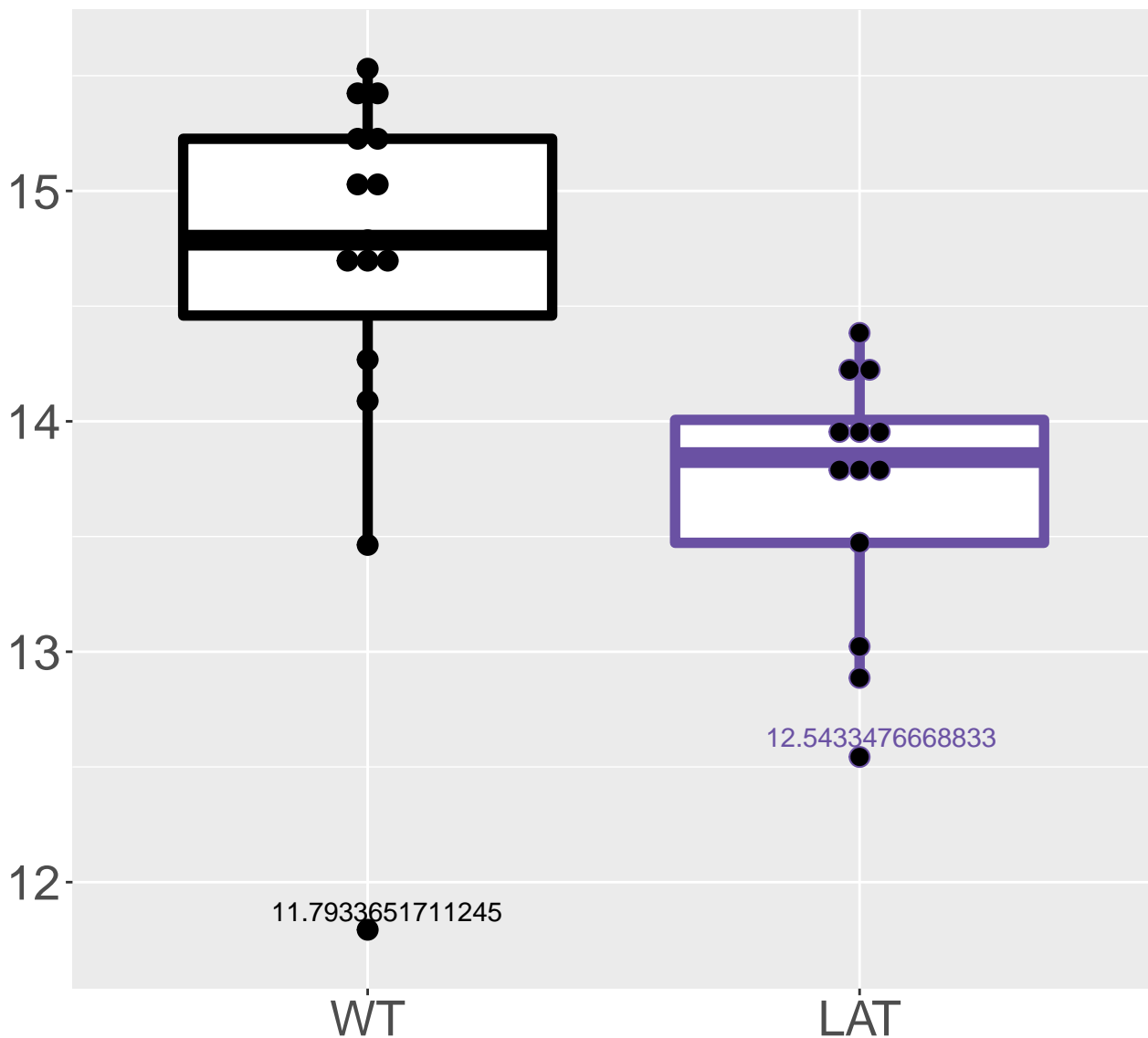
**M373.1943T257.81\_3**  
**FDR = 0.016, FC = -1.3**



**M468.2483T213.13**  
**FDR = 0.016, FC = -0.43**

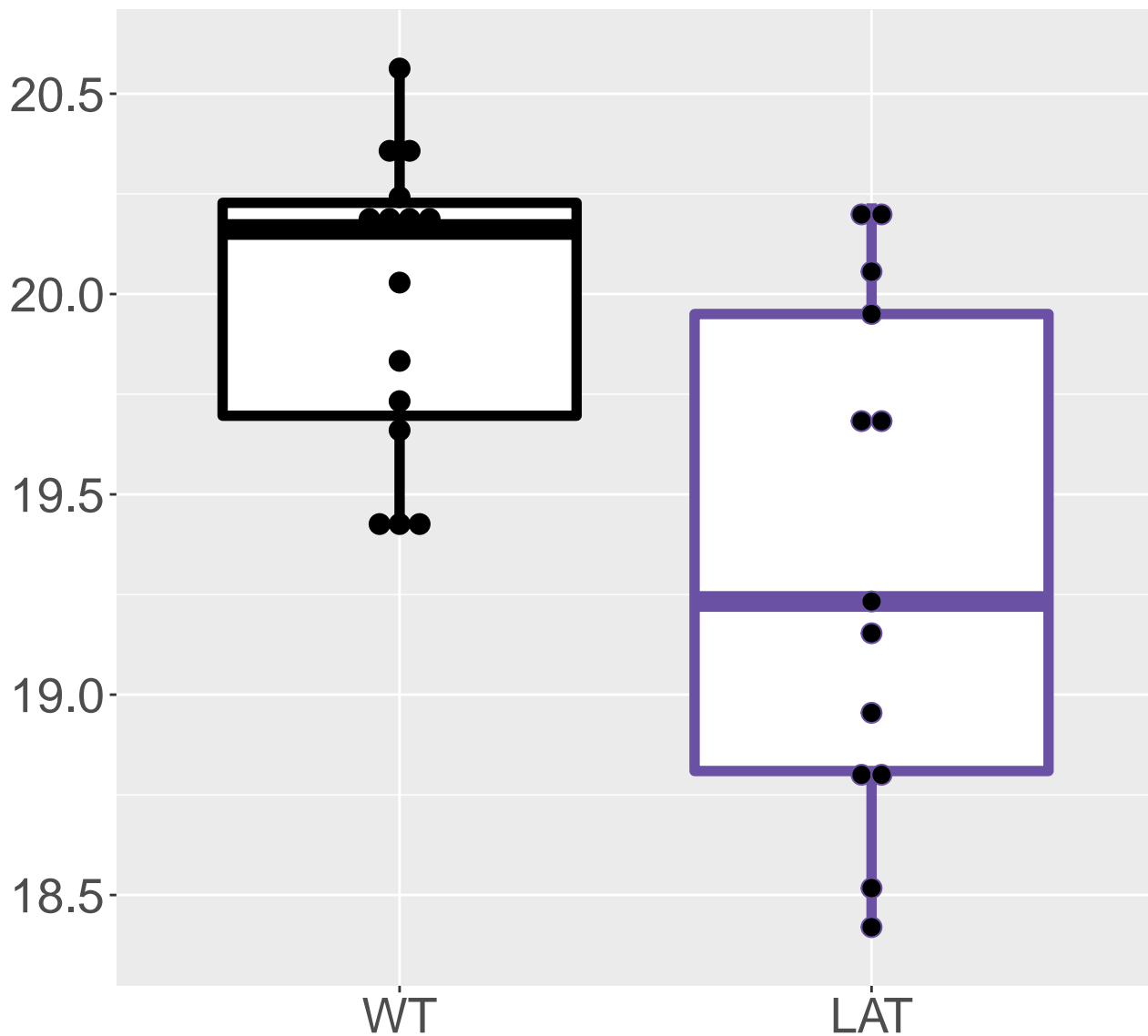


**M562.7105T330.59\_2**  
**FDR = 0.016, FC = -0.94**



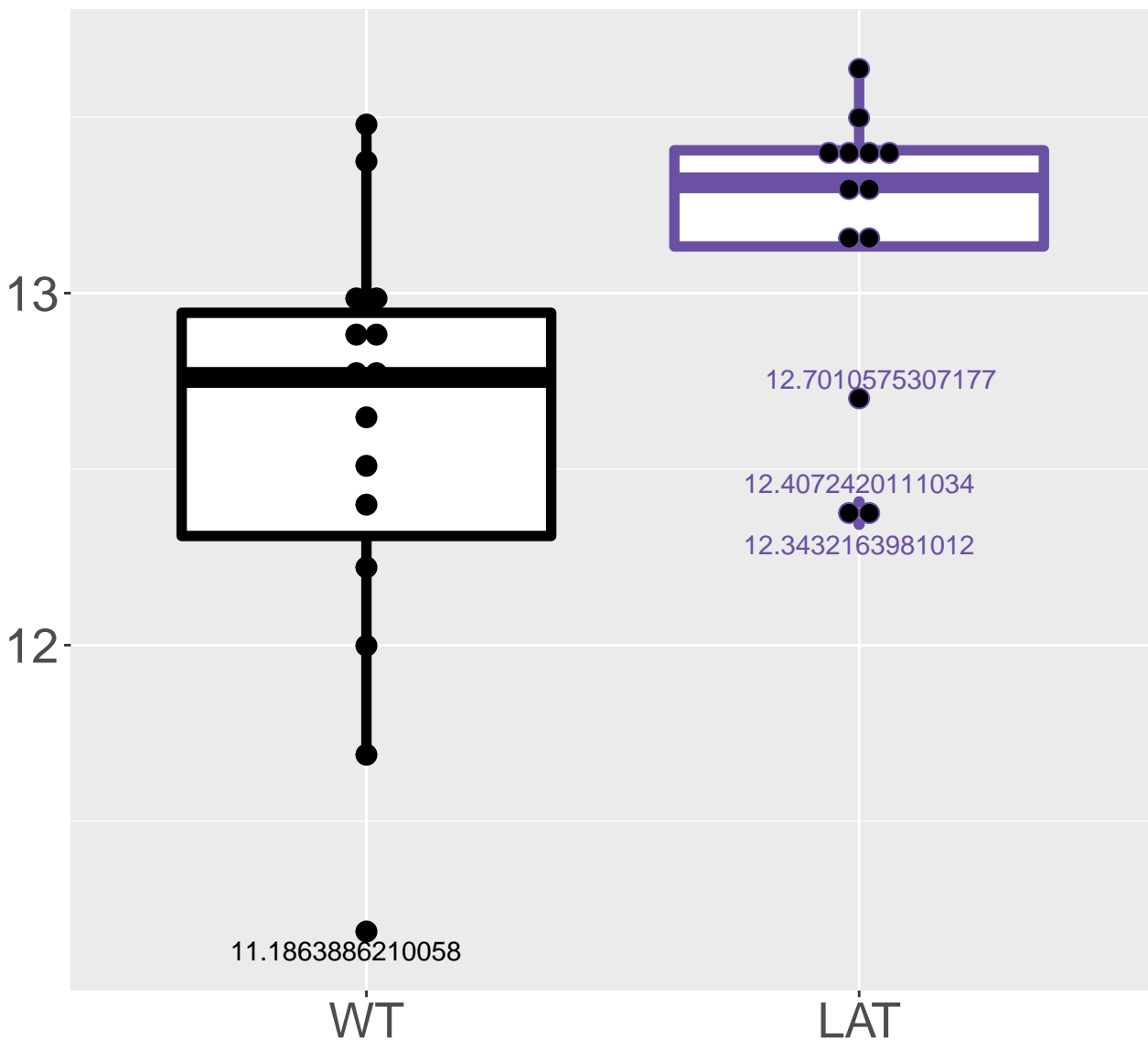
**M298.1301T129.38**

**FDR = 0.016, FC = -0.63**

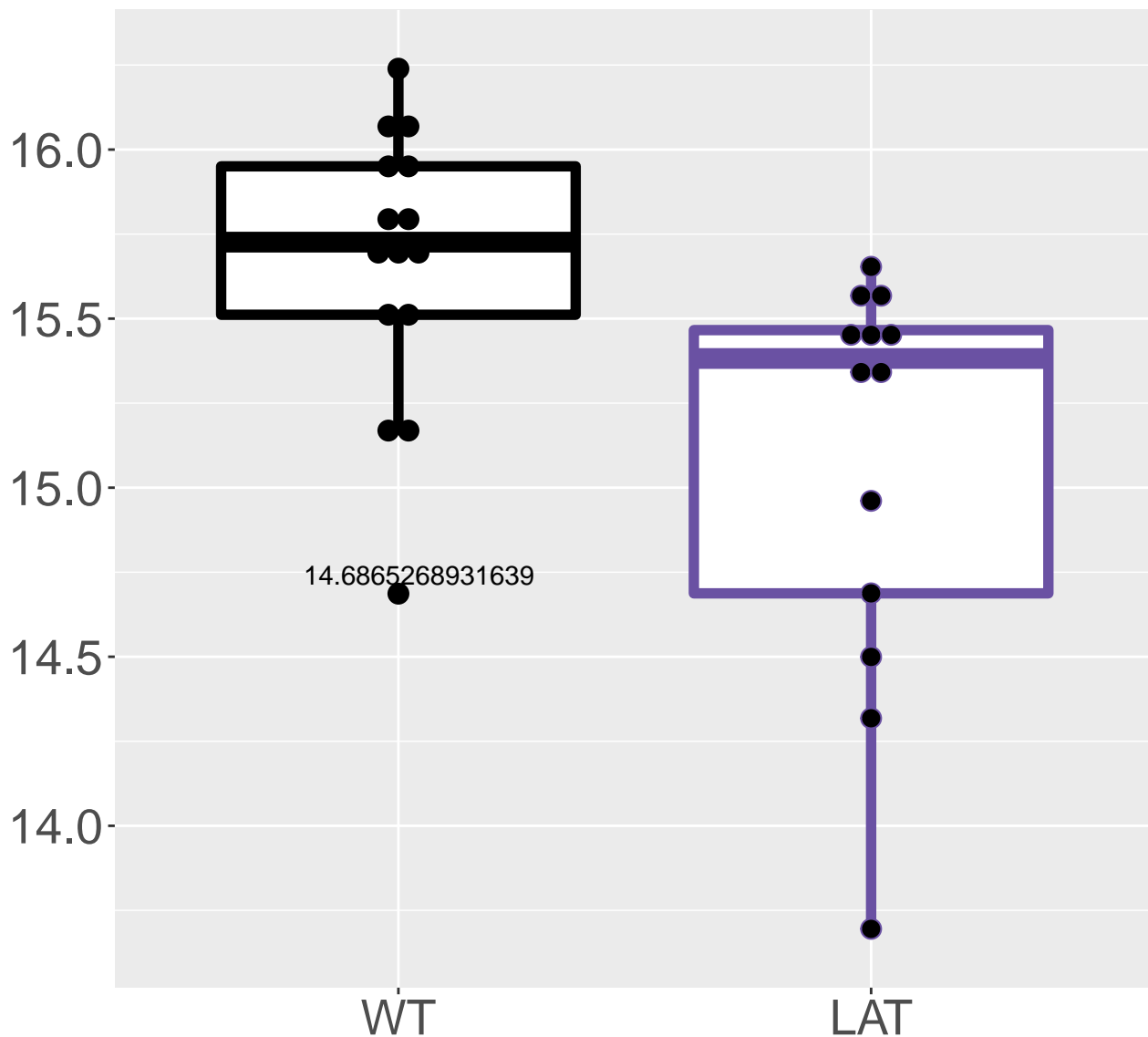


**M511.7814T278.19\_2**

**FDR = 0.016, FC = 0.58**

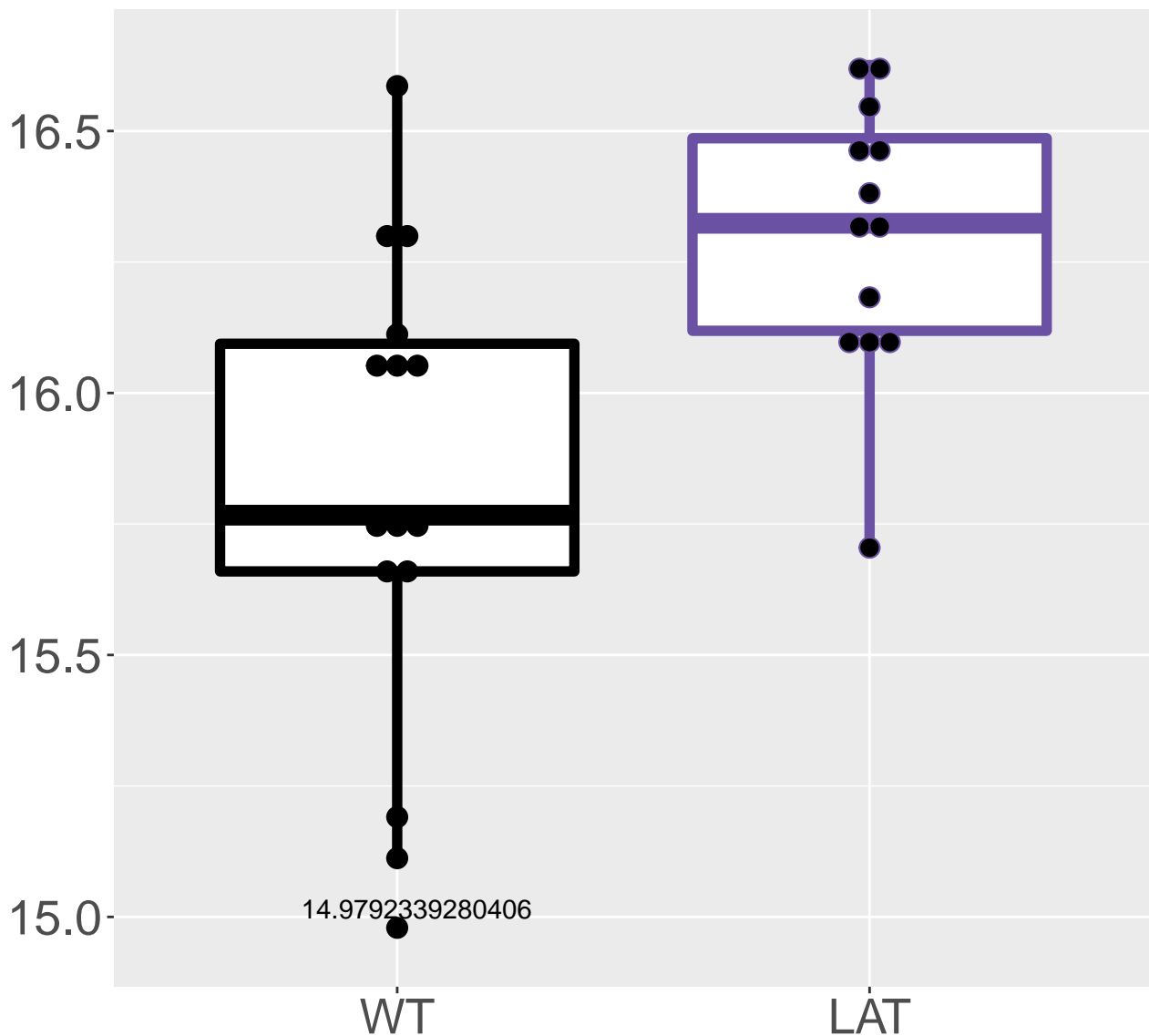


**M158.5944T113.2\_5**  
**FDR = 0.016, FC = -0.59**

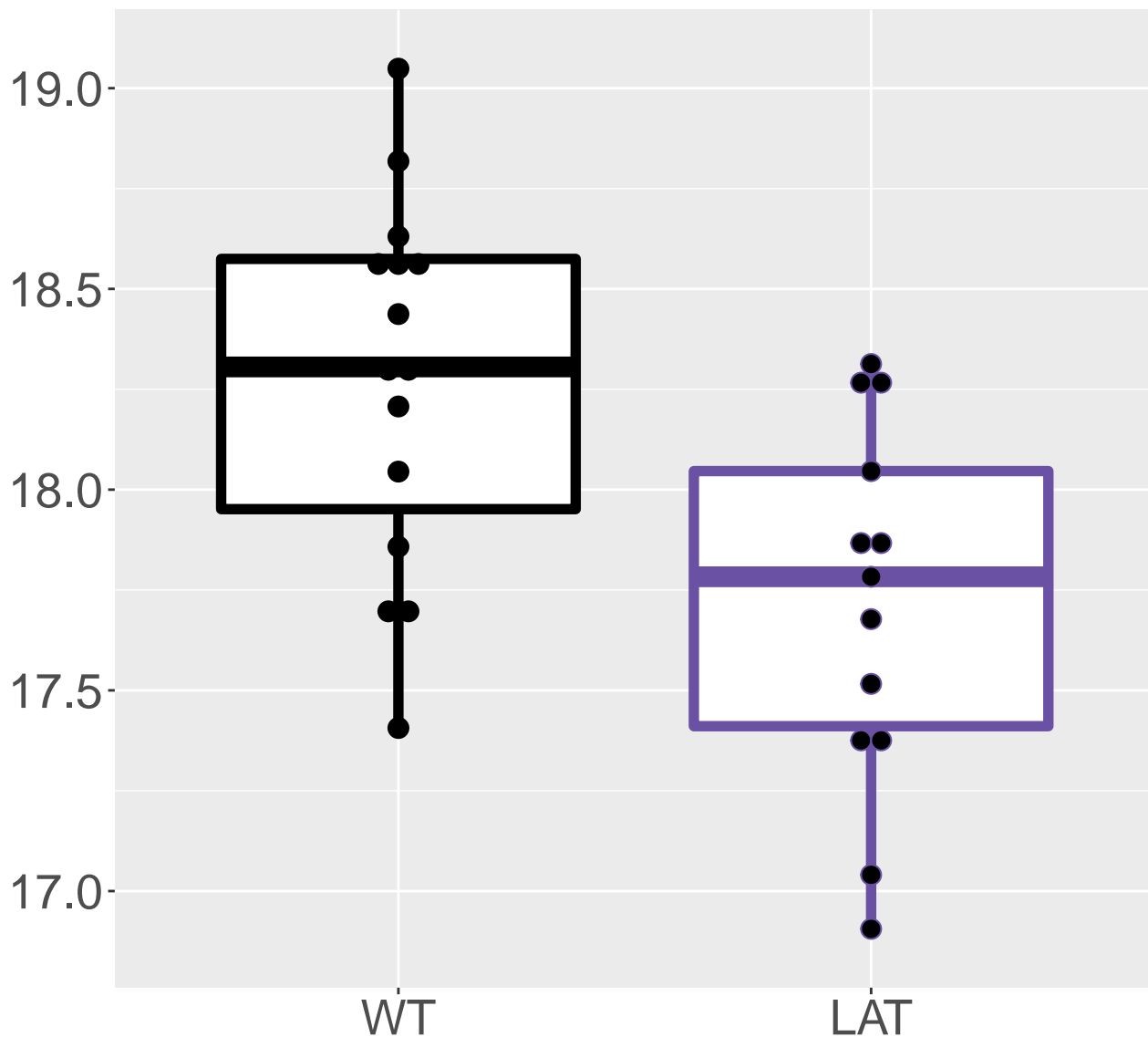




**N-Acetyl-serotonine;N-Acetyl-5-hydroxytryptophan**  
**FDR = 0.016, FC = 0.48**

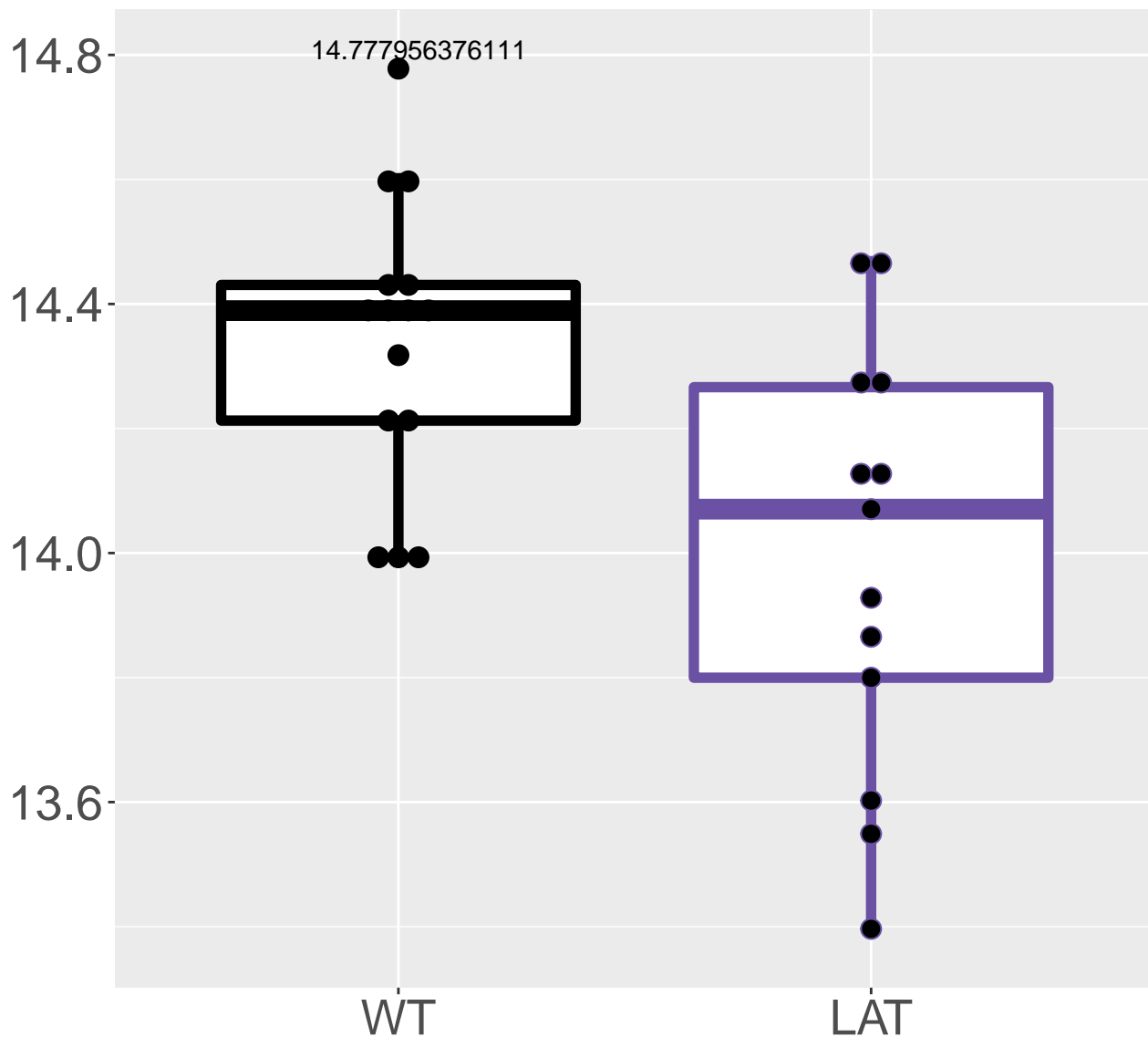


**M132.4719T75.19\_13**  
**FDR = 0.016, FC = -0.56**

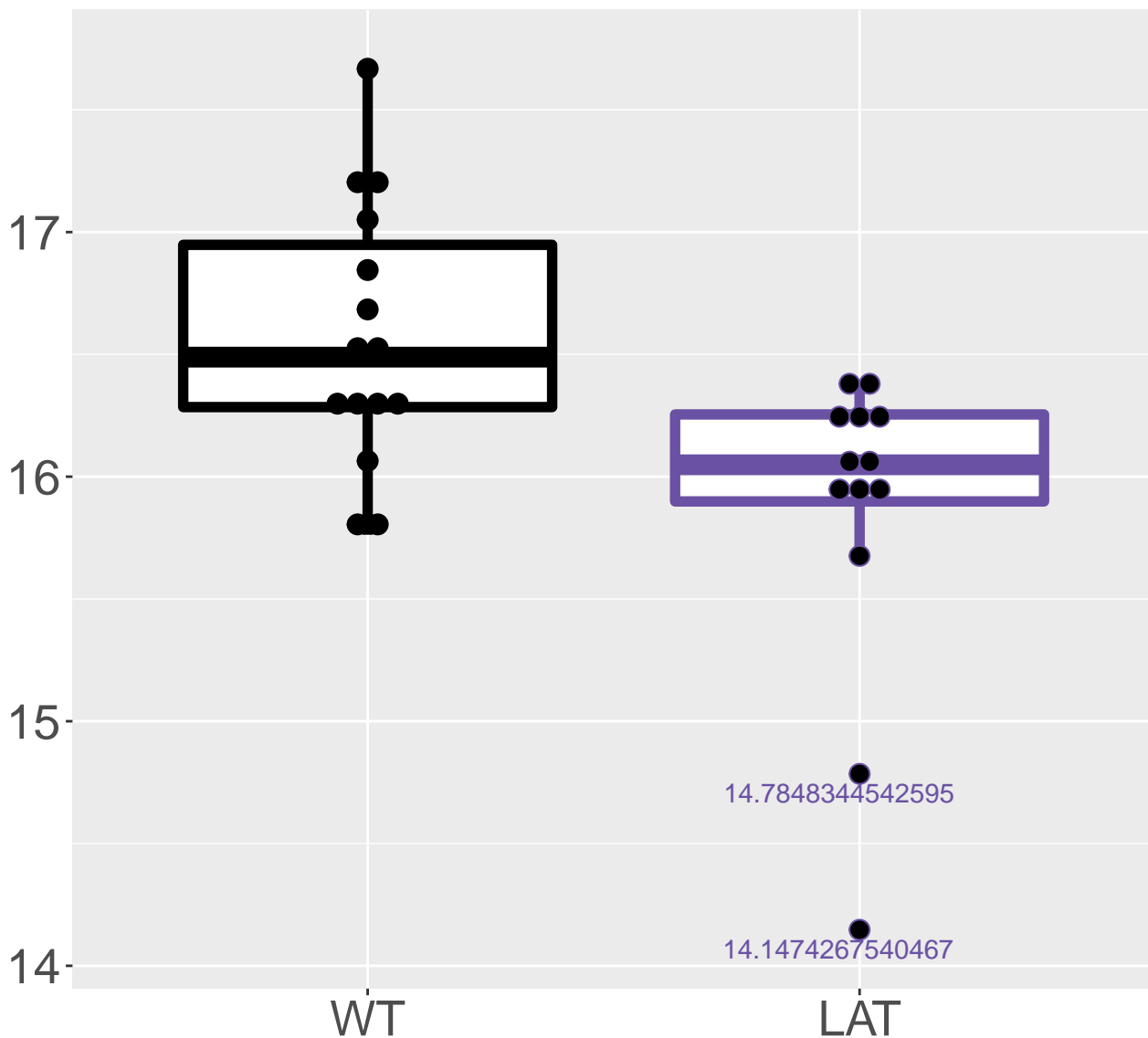


**M293.0114T43.54\_3**

**FDR = 0.016, FC = -0.35, sex\***

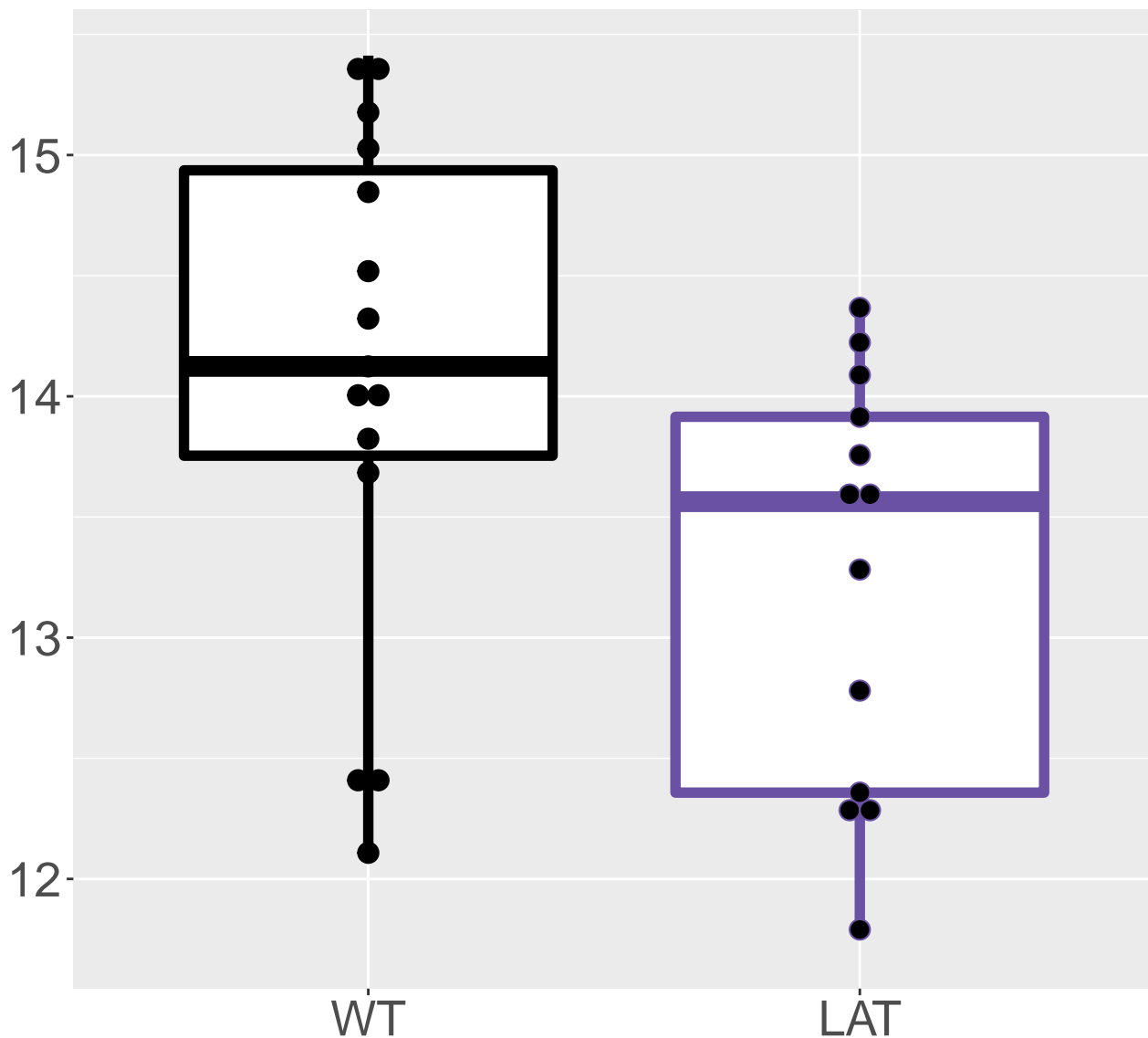


**M134.8317T75.51\_11**  
**FDR = 0.016, FC = -0.72**

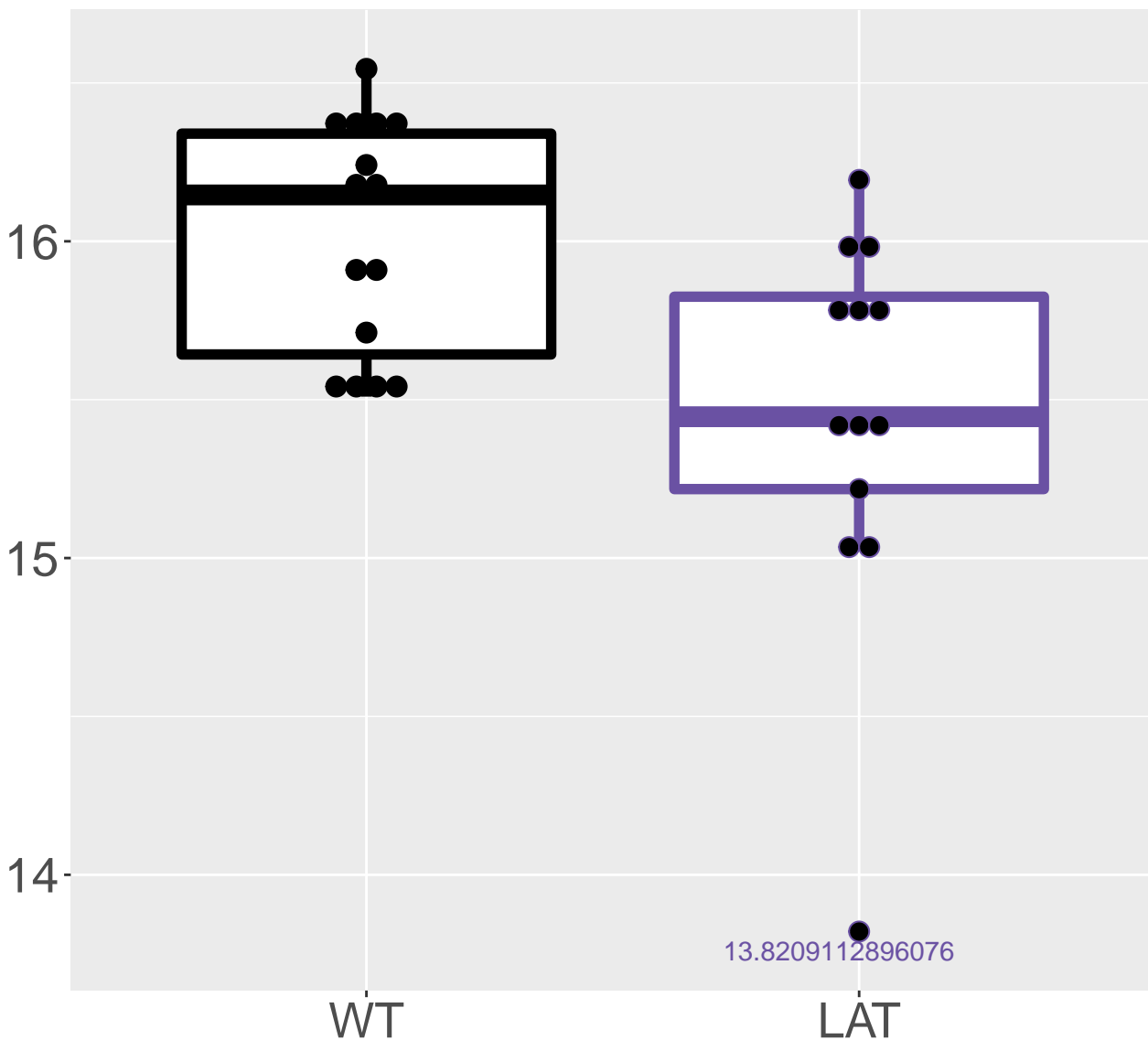


**M455.2515T344.24\_1**

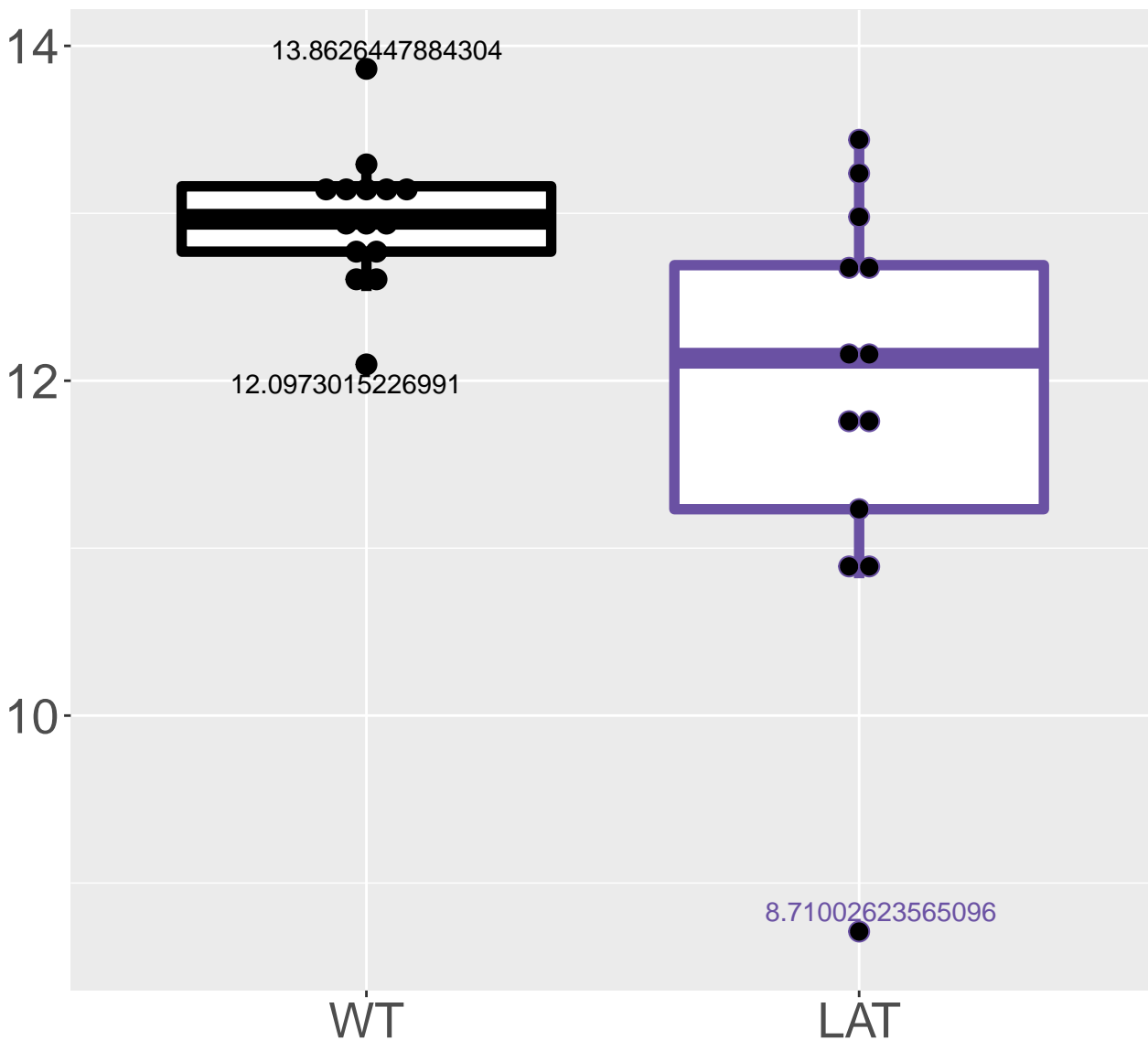
**FDR = 0.016, FC = -0.82, sex\*\***



**M170.3128T113.19\_39**  
**FDR = 0.016, FC = -0.57**

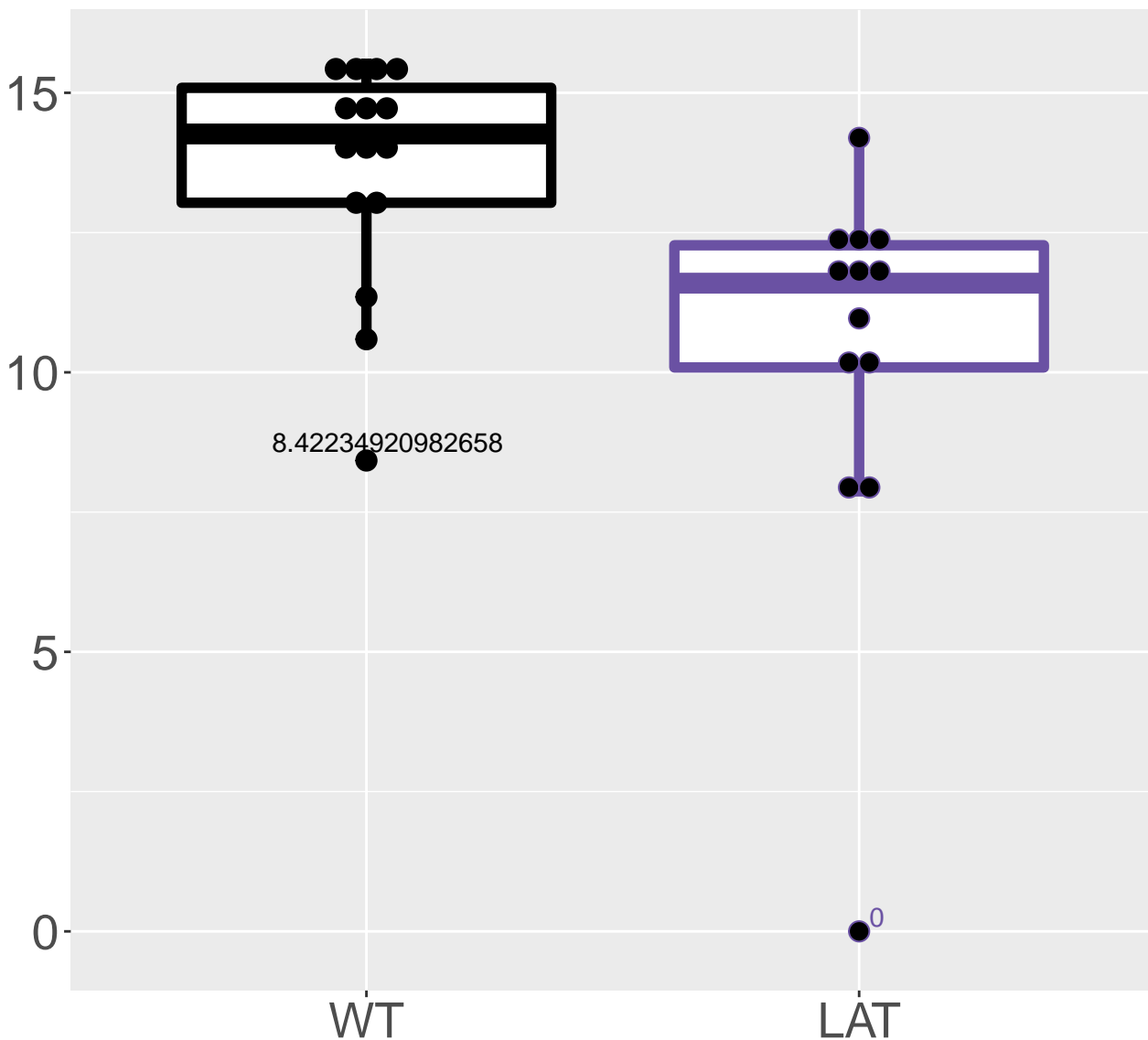


**M363.1893T92.75**  
**FDR = 0.016, FC = -1.1**



**M439.7186T233.09**

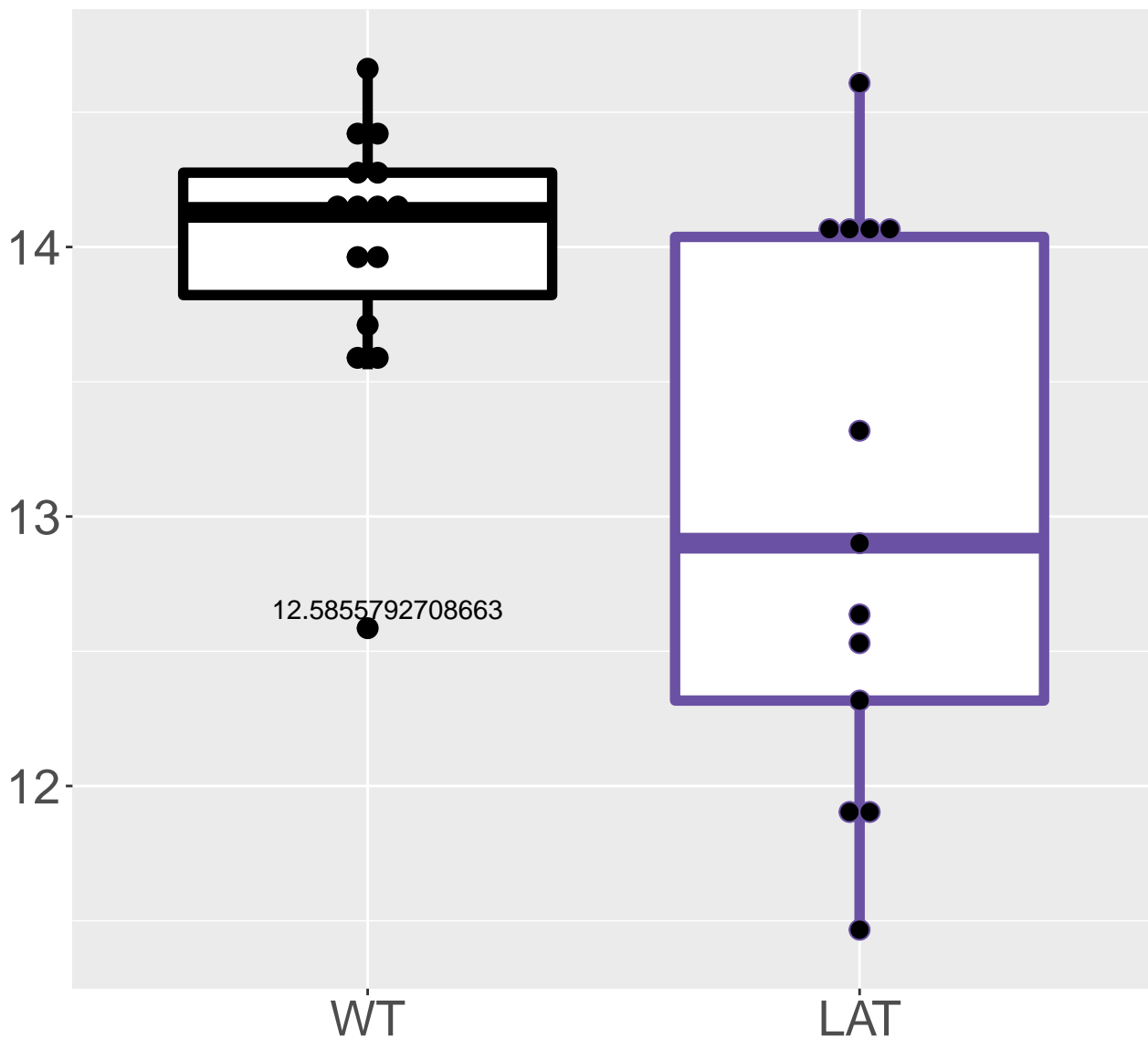
**FDR = 0.017, FC = -3.3**





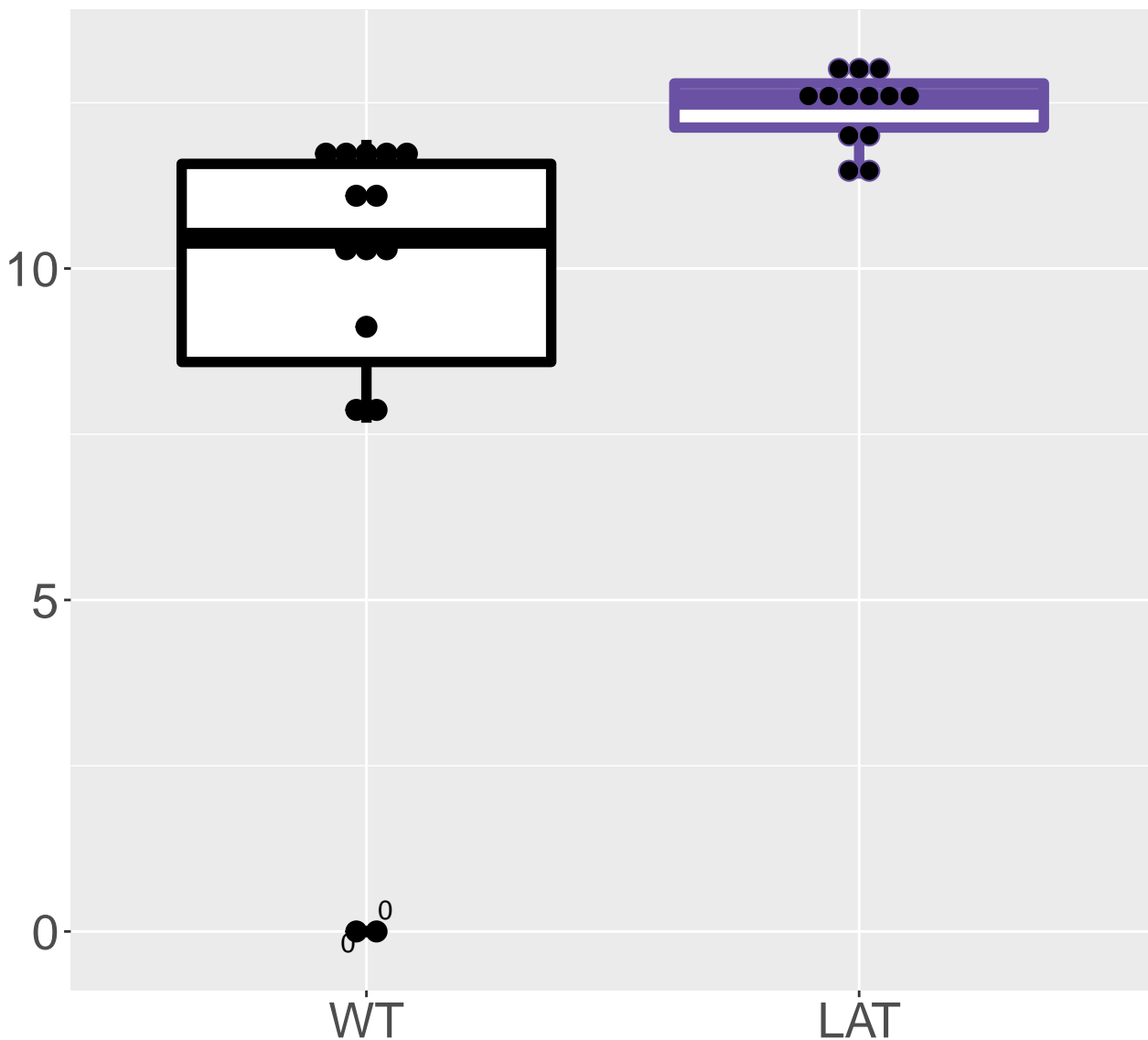
**M483.2672T285.94**

**FDR = 0.017, FC = -0.94**

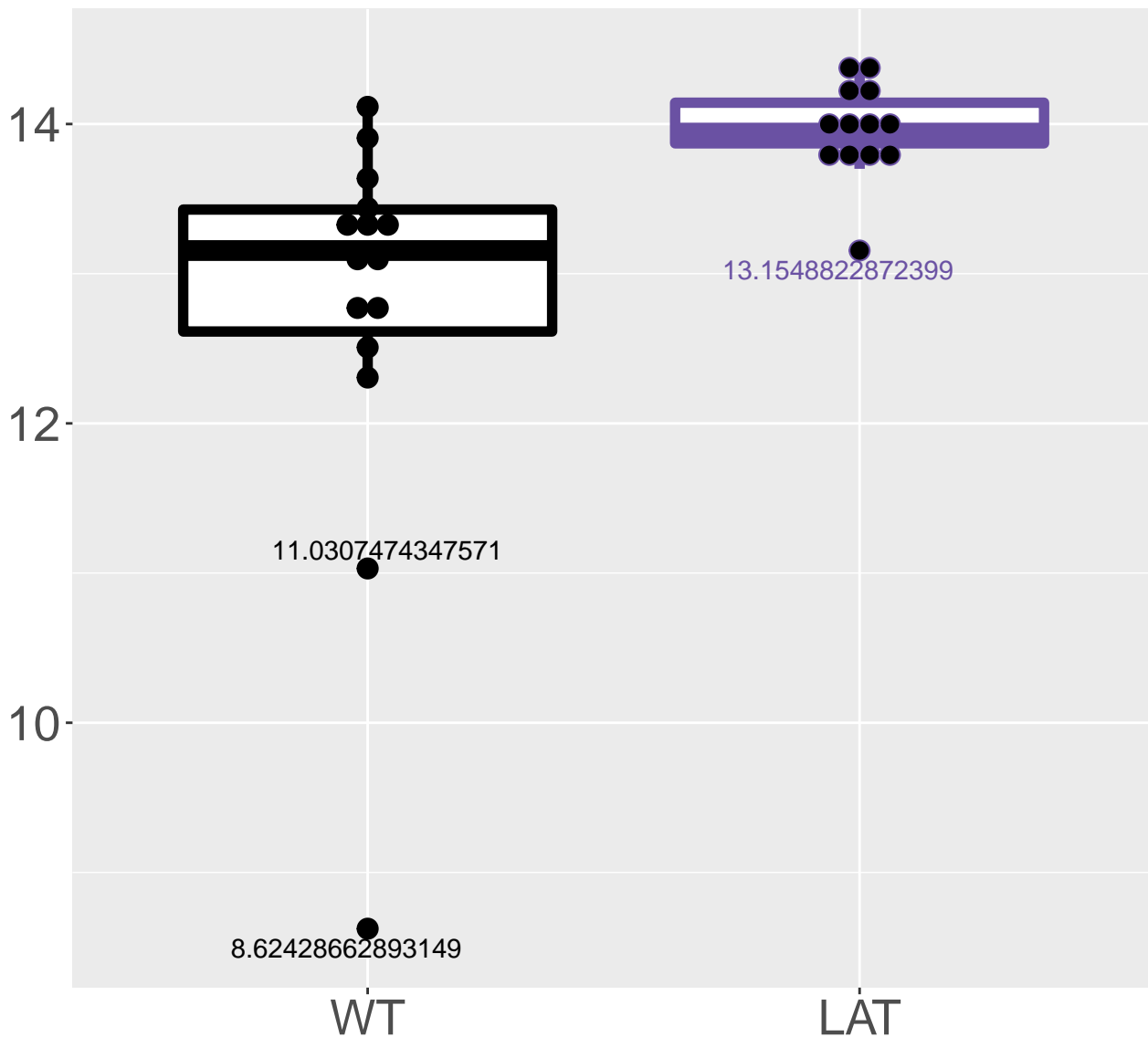


**M654.2288T155.64**

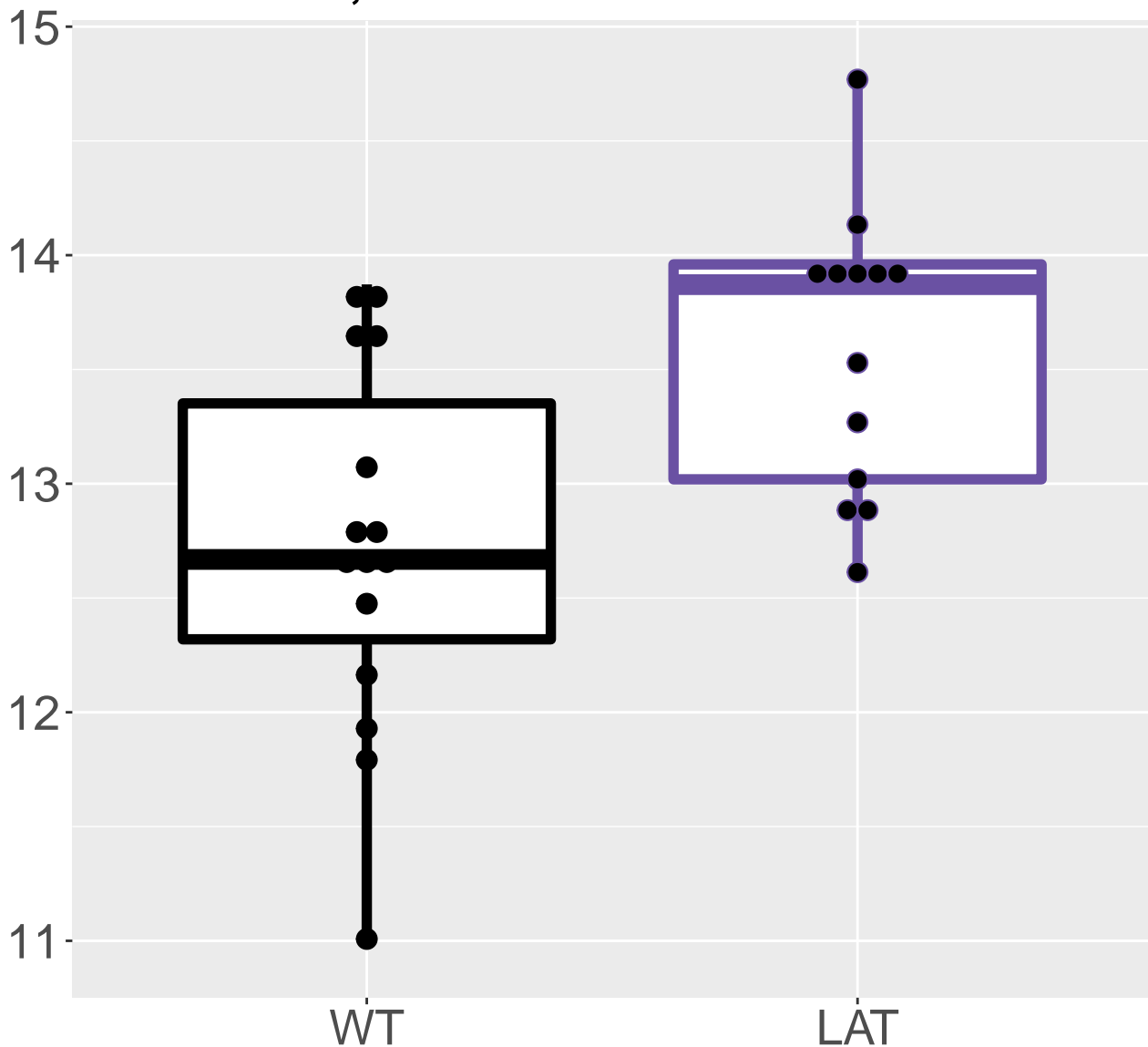
**FDR = 0.017, FC = 3.3**



**M563.2833T203.25**  
**FDR = 0.017, FC = 1.2**

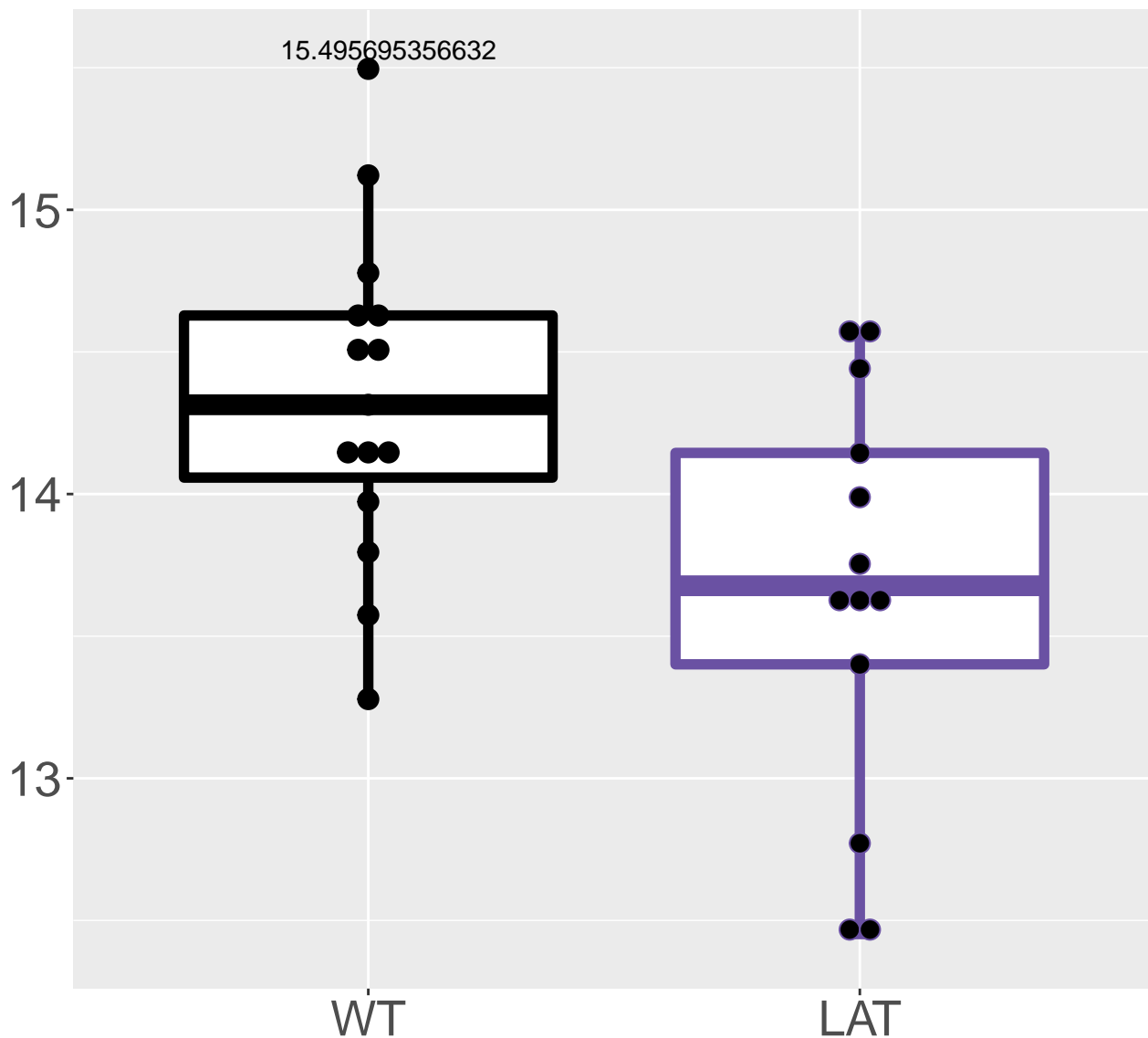


**M450.0841T151.02\_1**  
**FDR = 0.017, FC = 0.87**



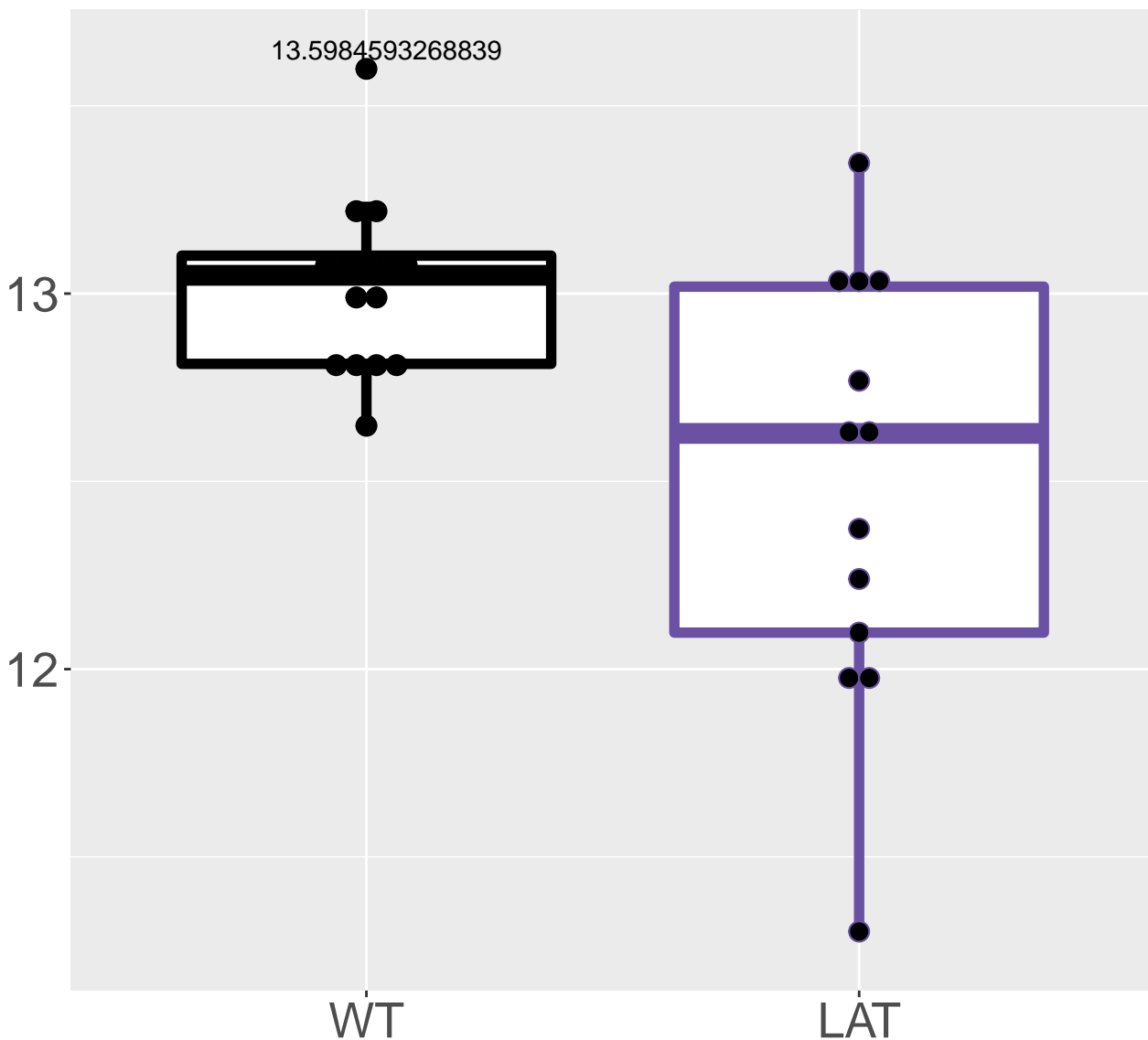
**M359.4551T302.76**

**FDR = 0.017, FC = -0.68**



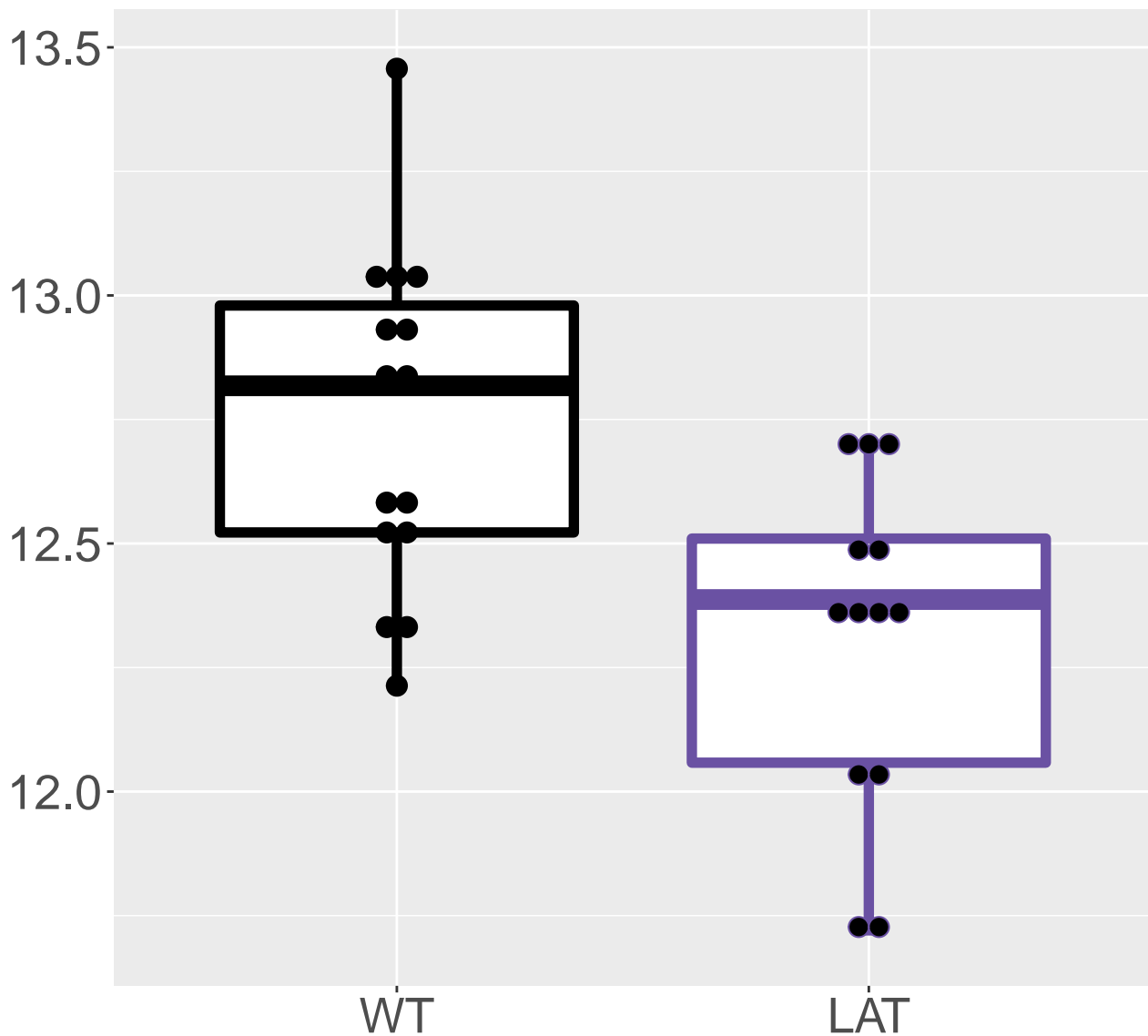
# M342.8635T252.45

**FDR = 0.017, FC = -0.52**



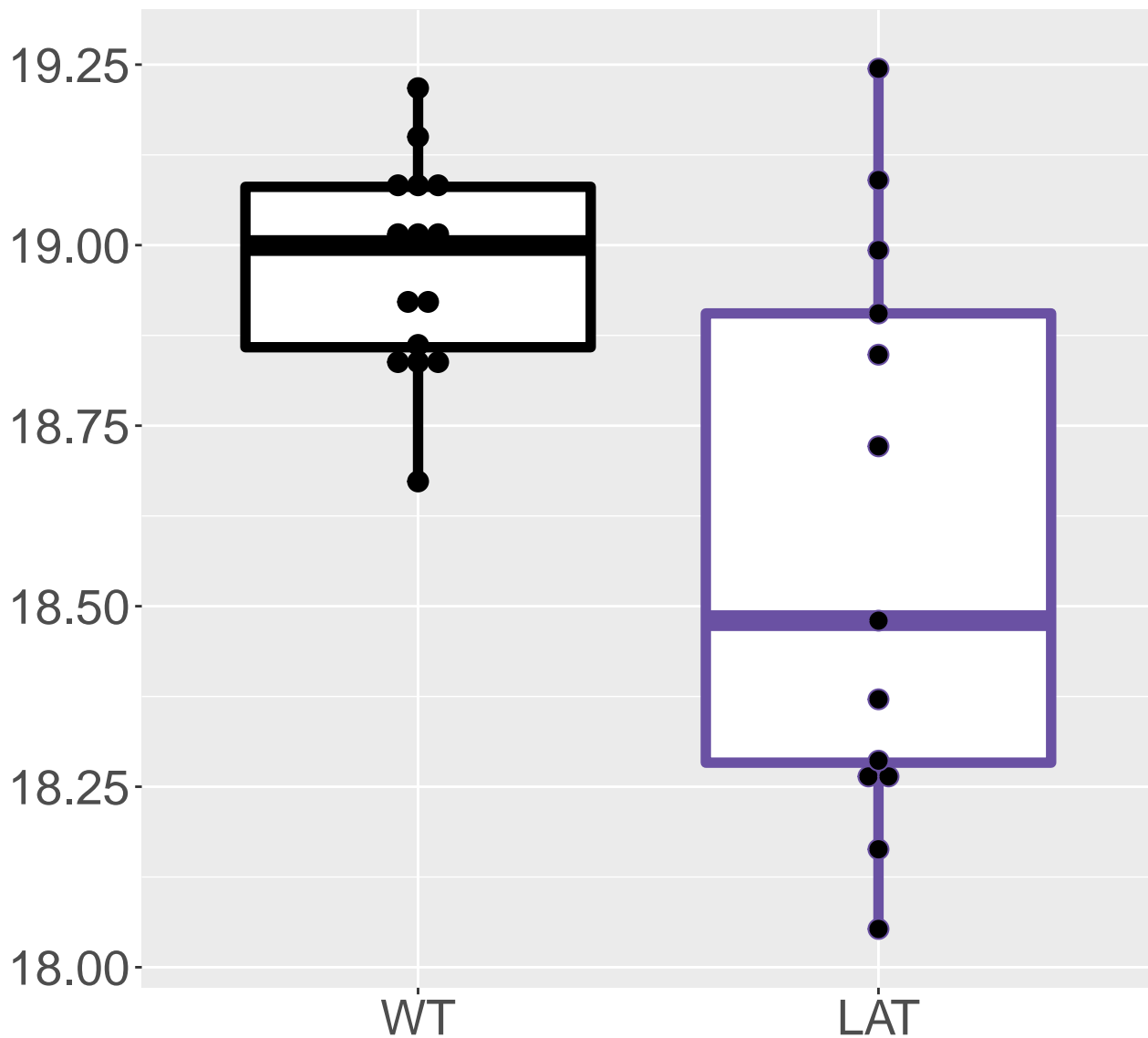
**M439.1343T243.14**

**FDR = 0.017, FC = -0.43**



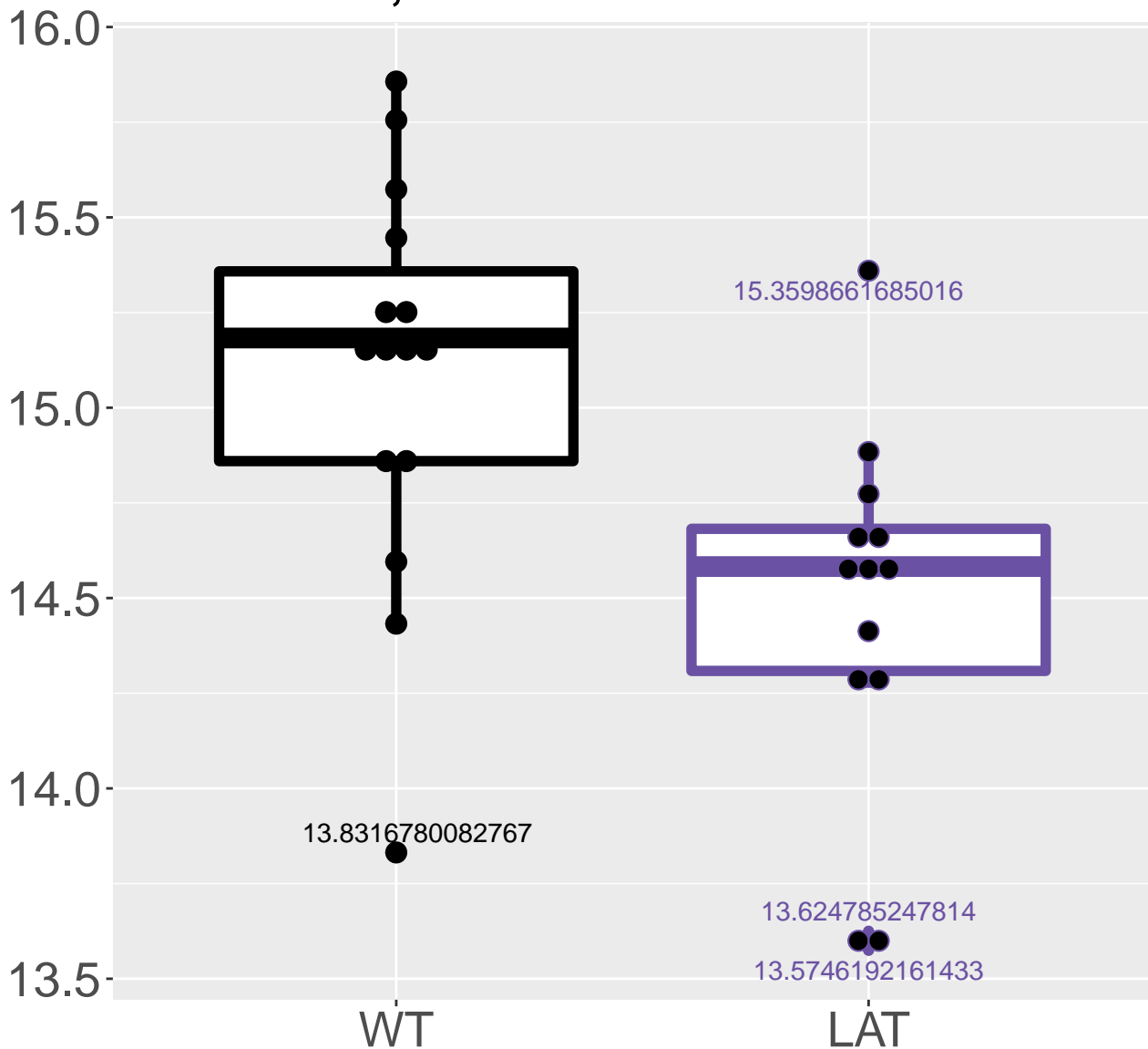
**M164.0573T65.74**

**FDR = 0.017, FC = -0.38**

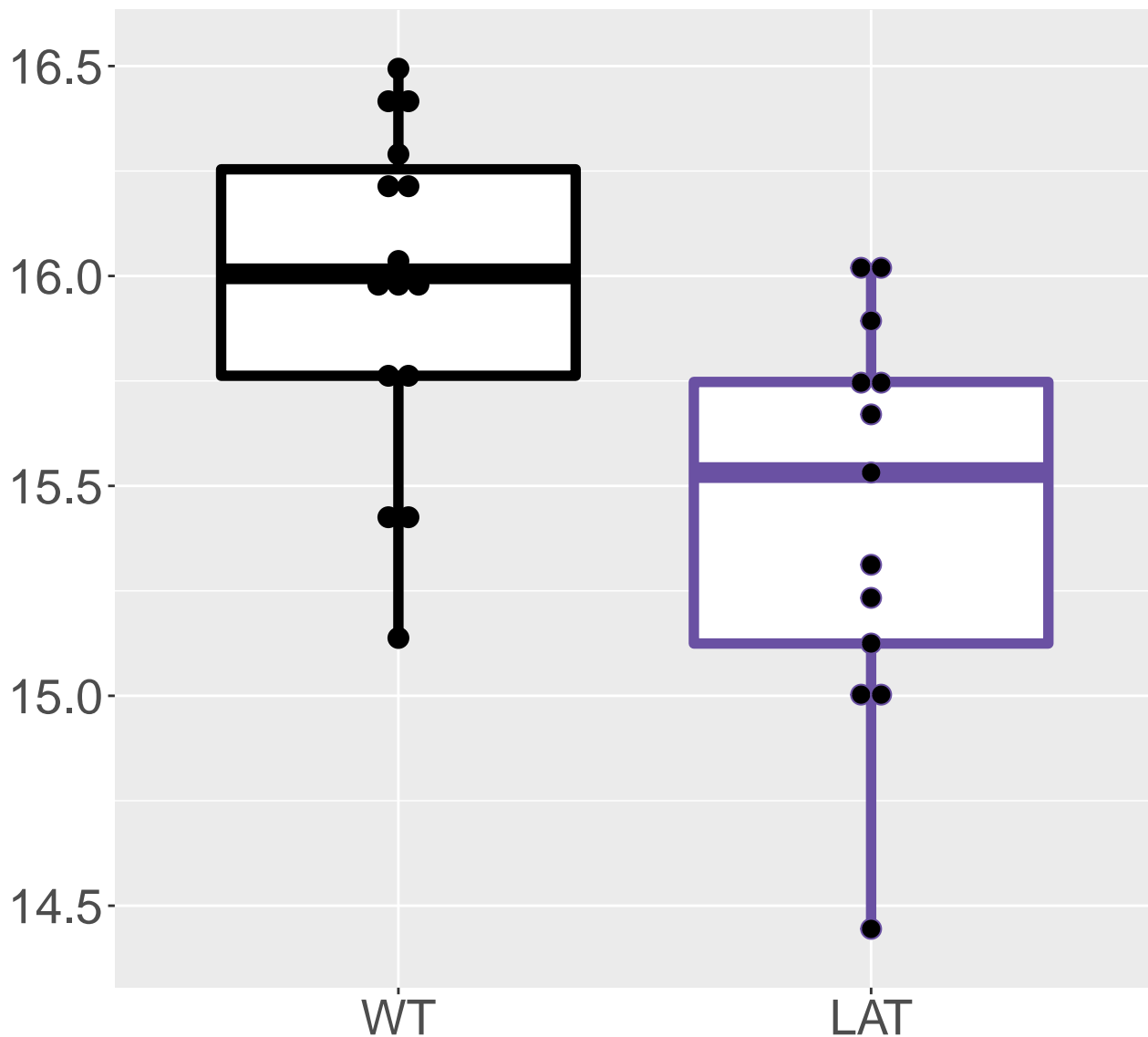




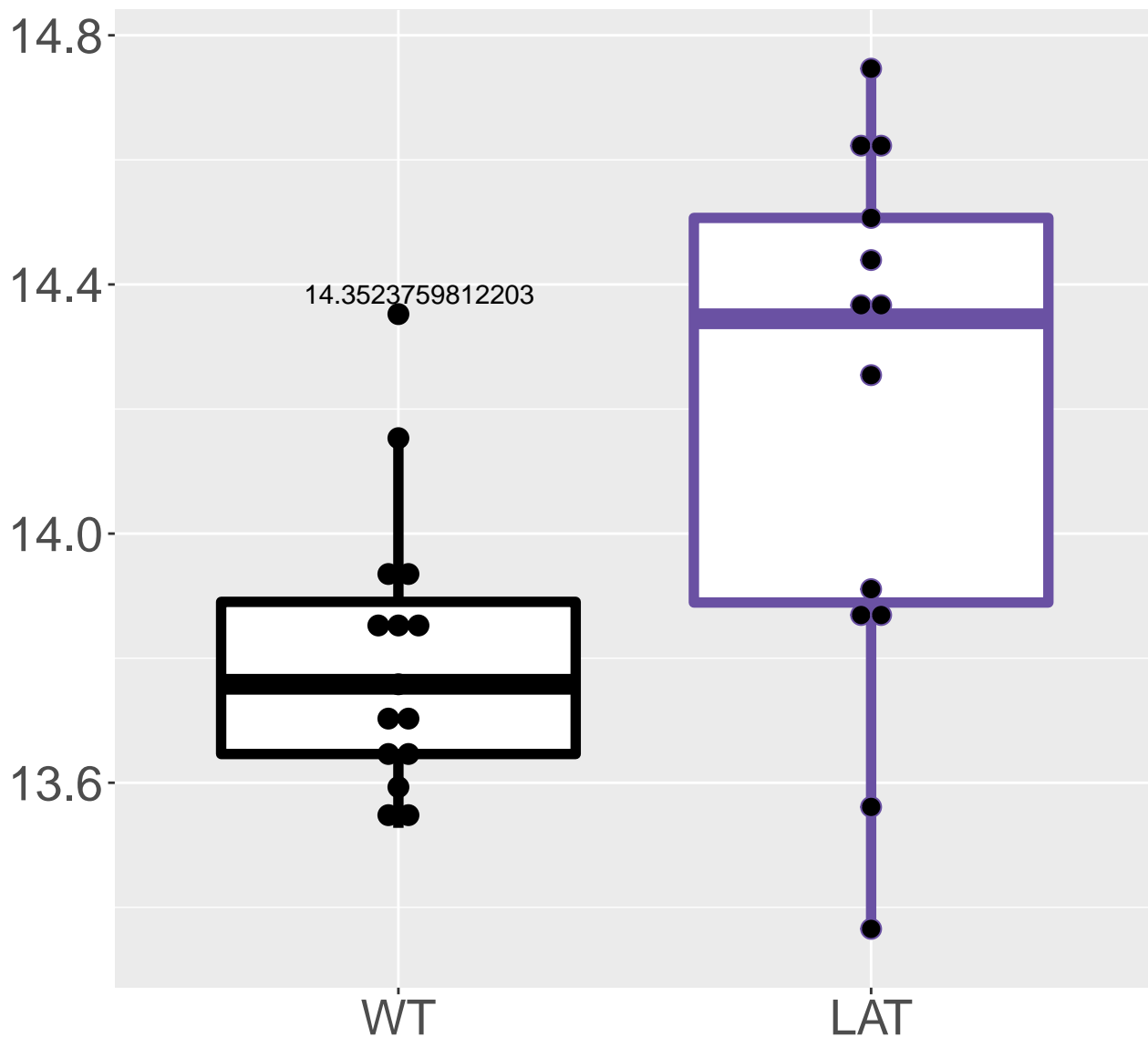
**M157.1676T113.12\_21**  
**FDR = 0.017, FC = -0.61**



**M162.7977T113.23\_14**  
**FDR = 0.017, FC = -0.53**

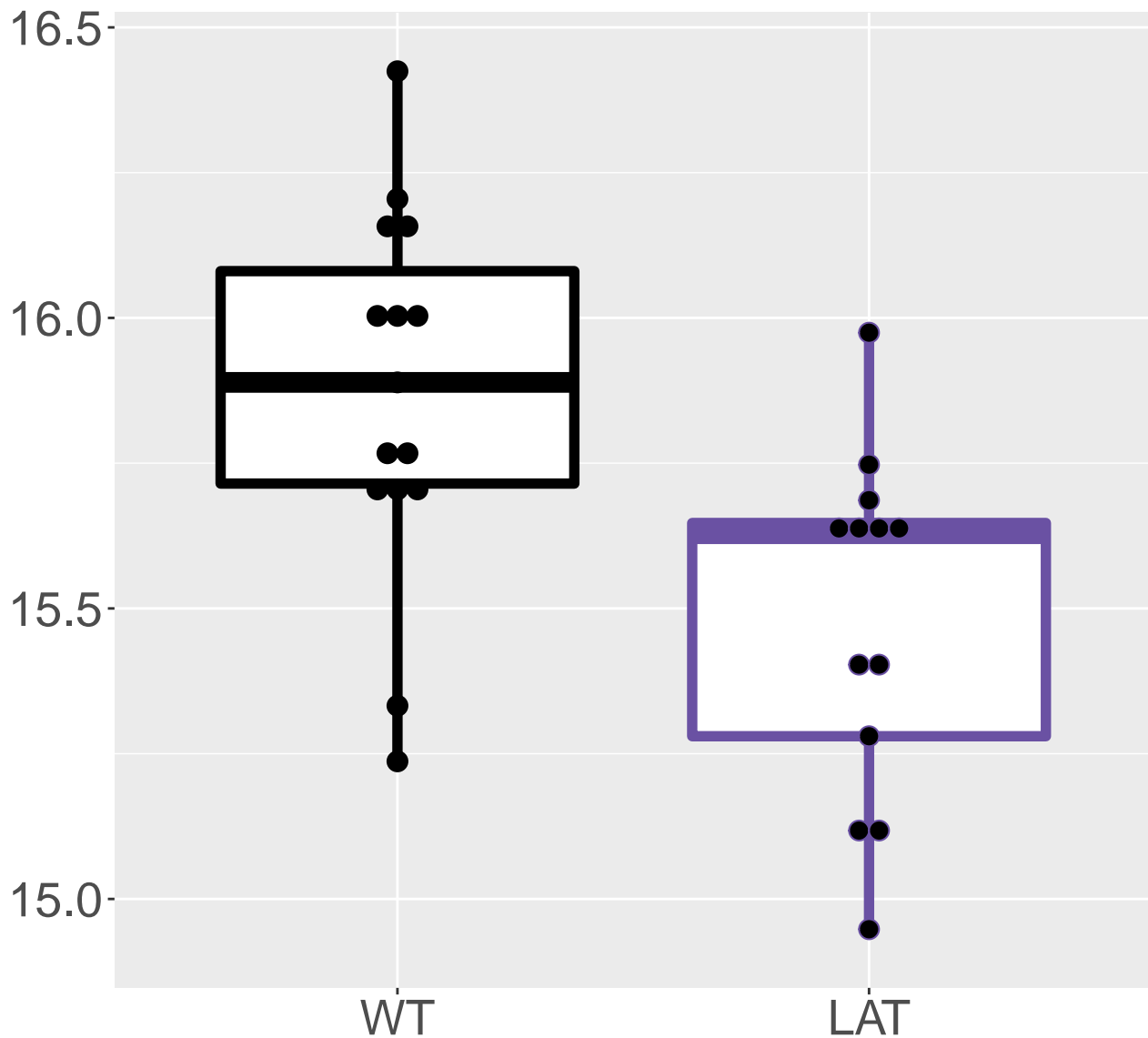


**M557.314T414.33**  
**FDR = 0.017, FC = 0.39**



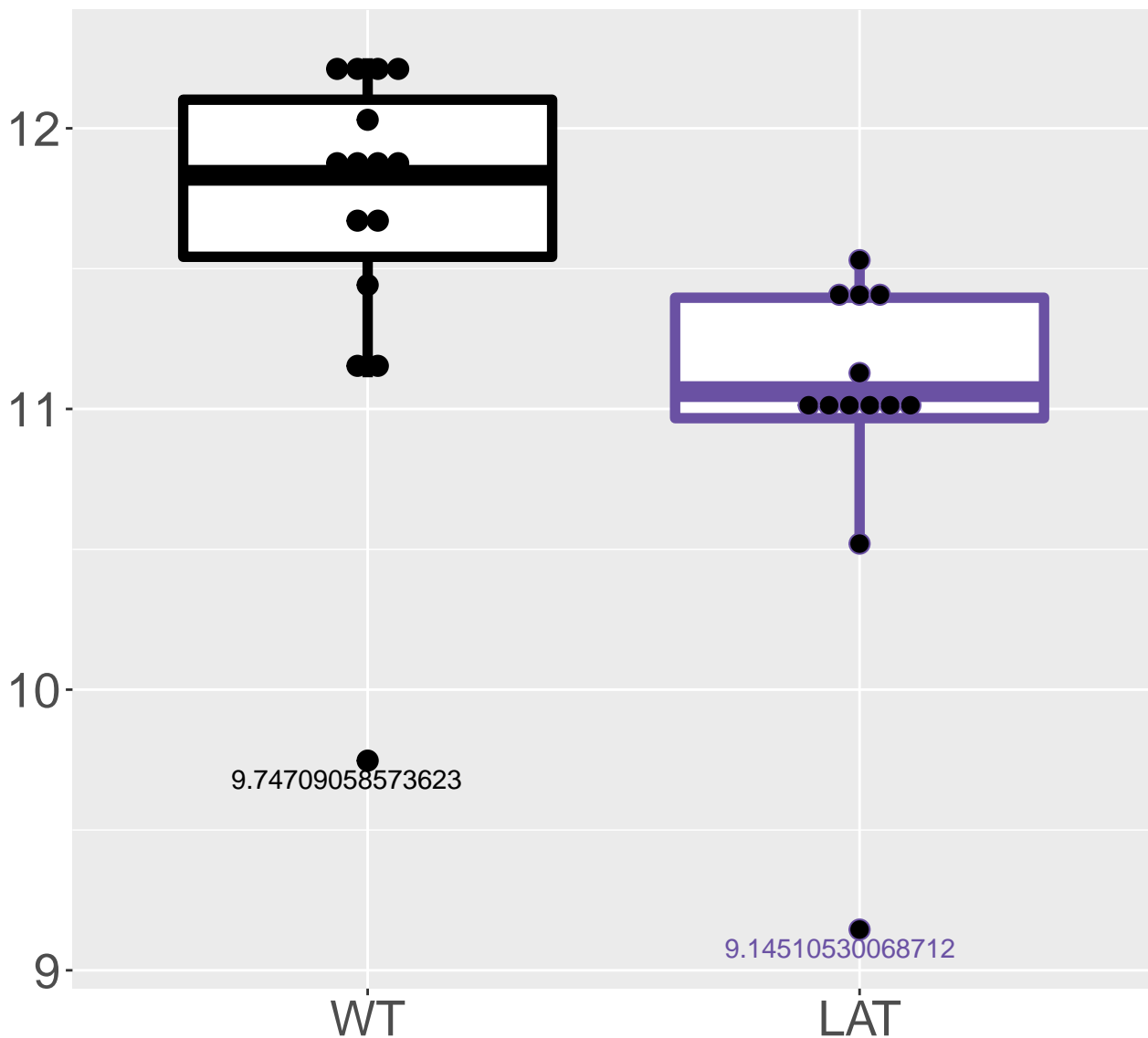
**M159.6132T113.22\_3**

**FDR = 0.017, FC = -0.39**



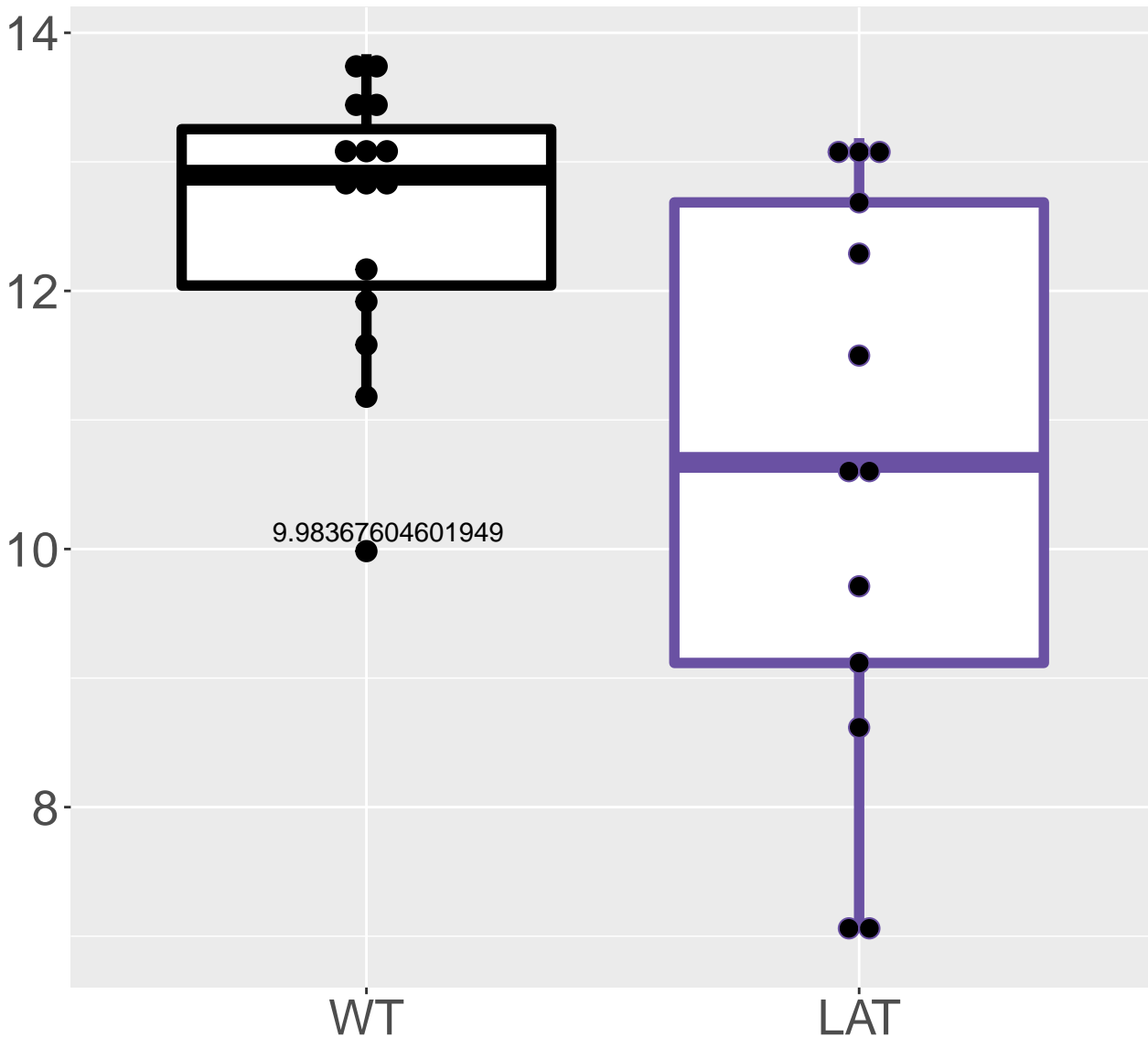
**M343.1626T103.76**

**FDR = 0.017, FC = -0.71**



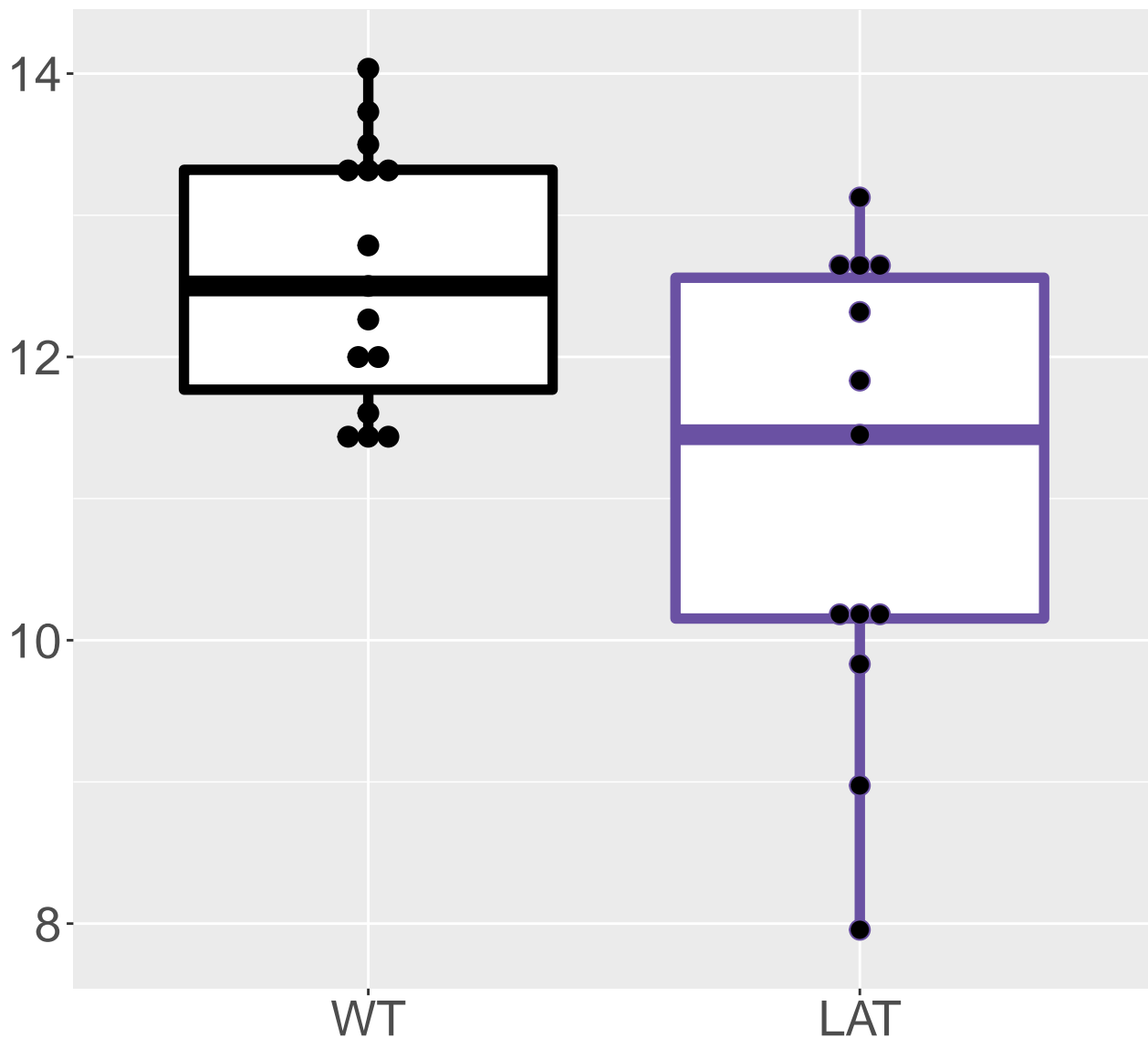
**M284.1859T240.59**

**FDR = 0.017, FC = -1.9**



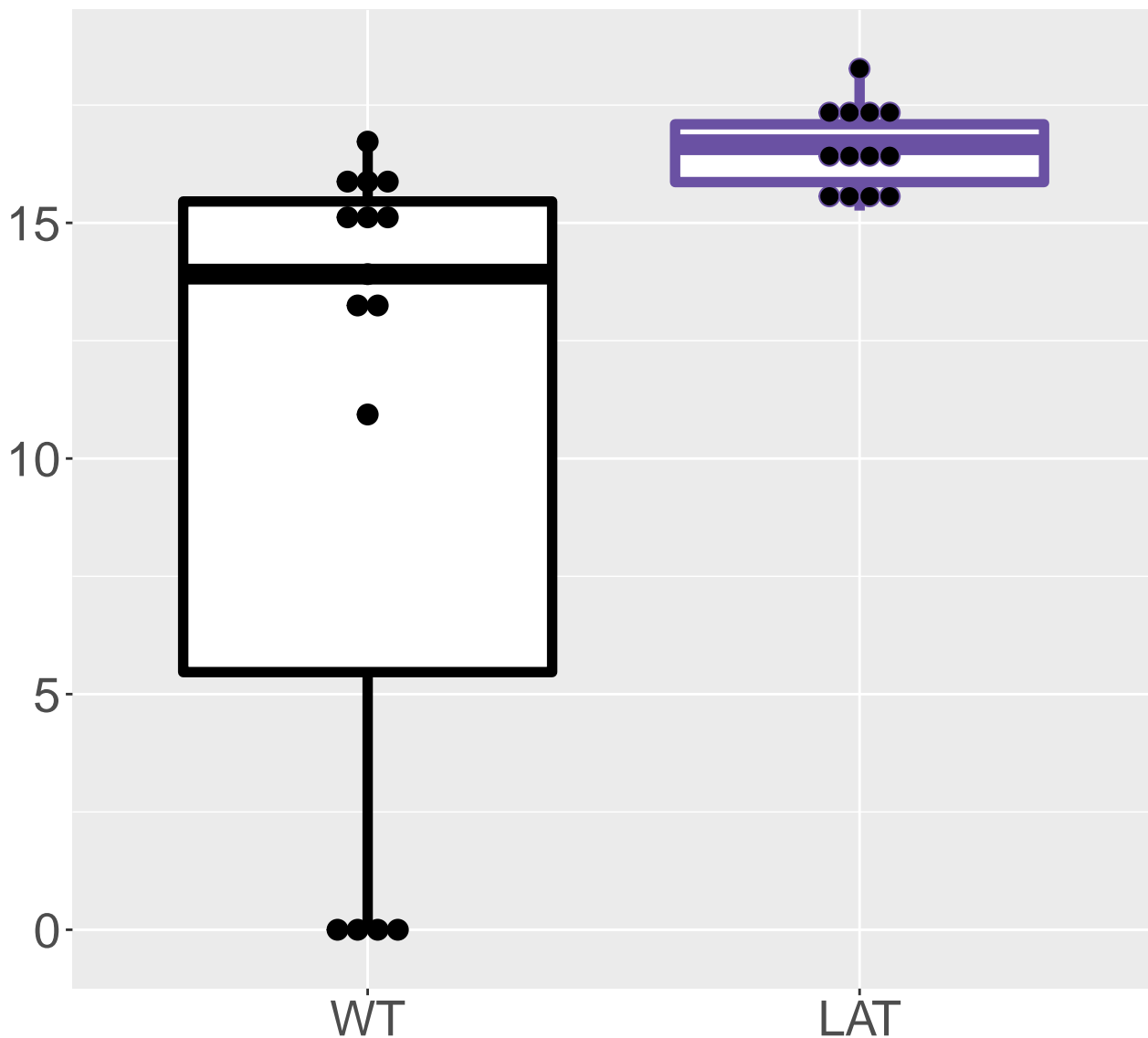
**M377.7144T343.16**

**FDR = 0.017, FC = -1.5**



**M520.102T63.83**

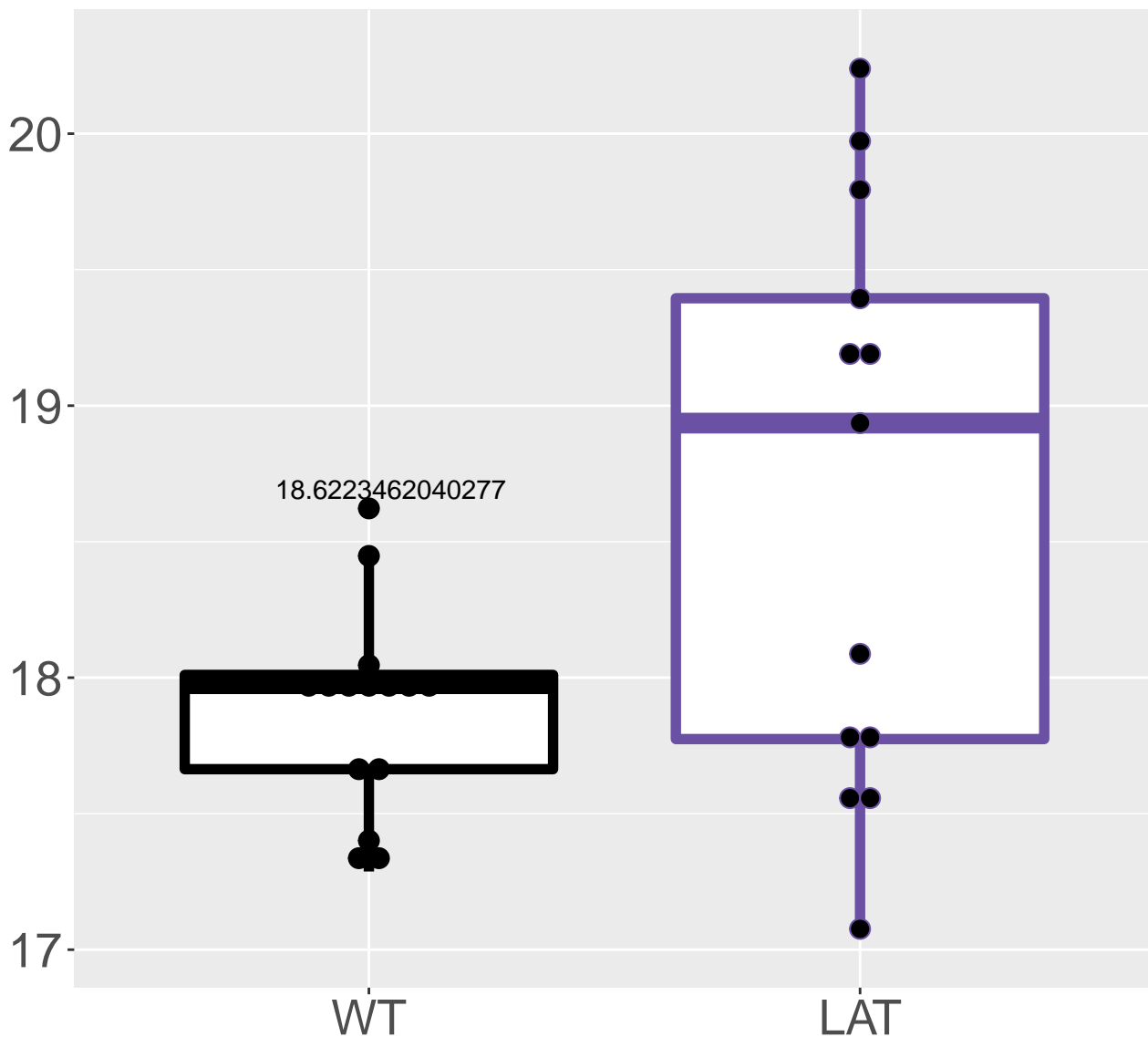
**FDR = 0.017, FC = 5.8**



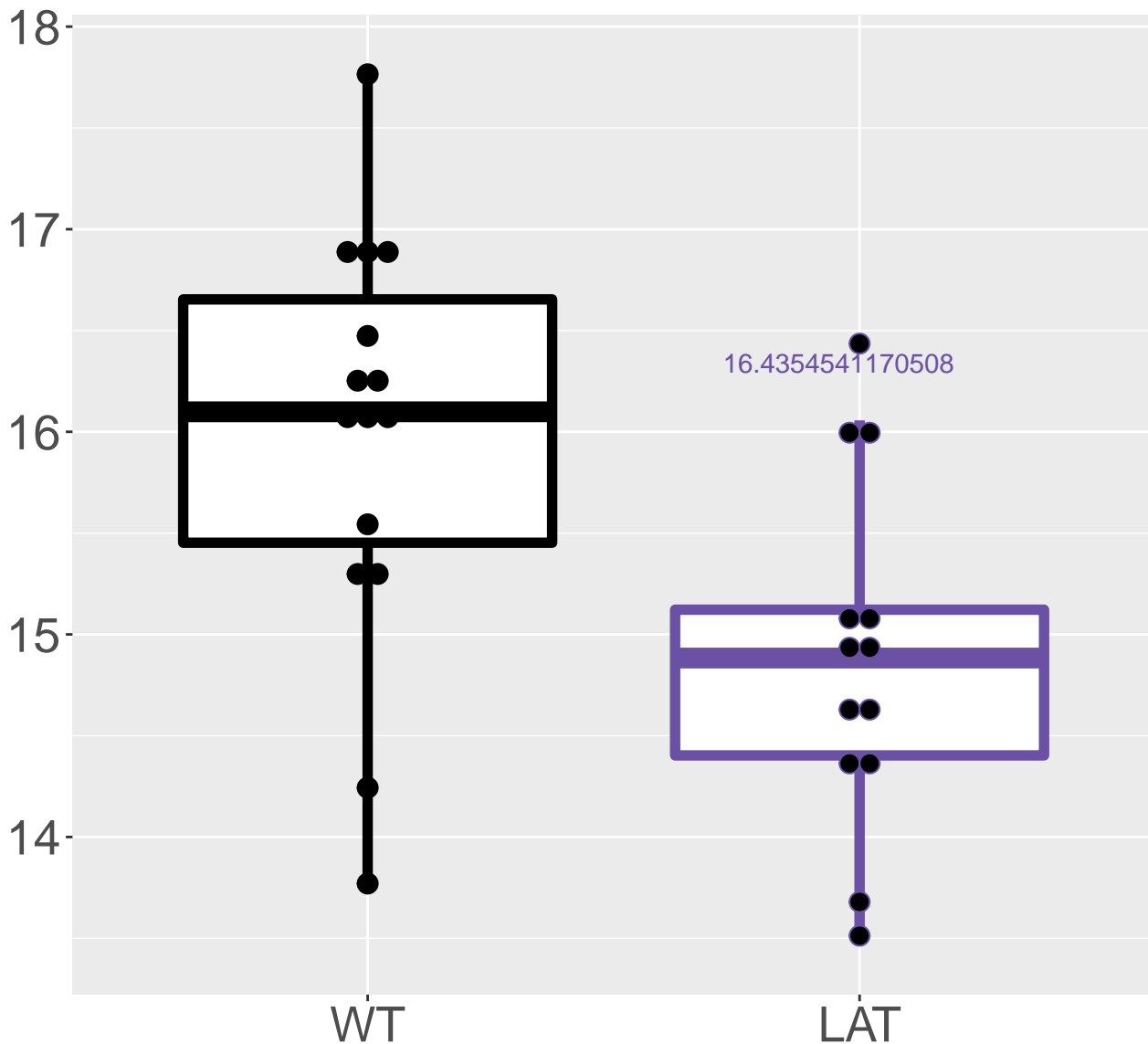


**M381.1171T64**

**FDR = 0.017, FC = 0.77, sex\*\***

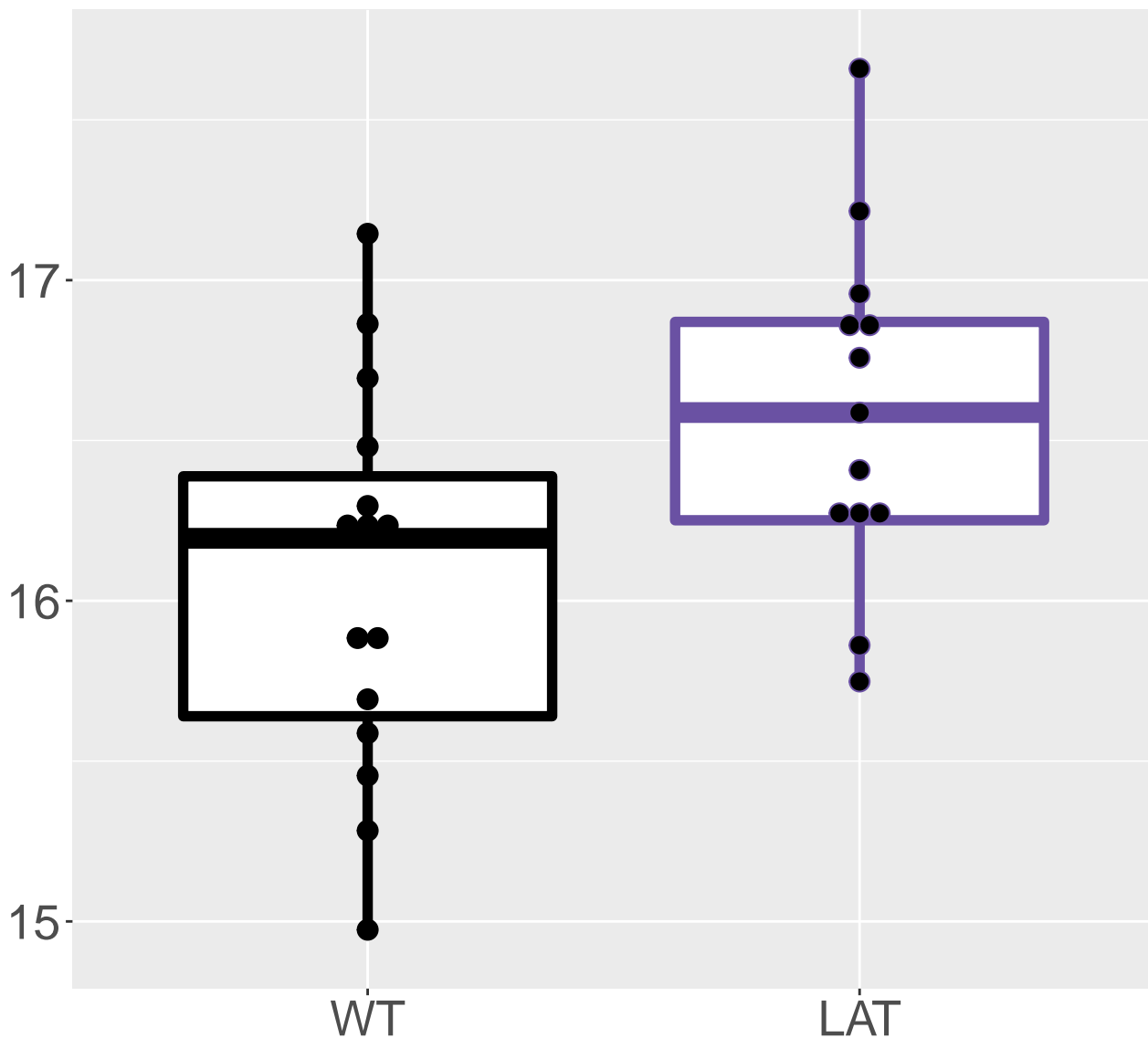


**M465.7398T257.73\_1**  
**FDR = 0.017, FC = -1.1**



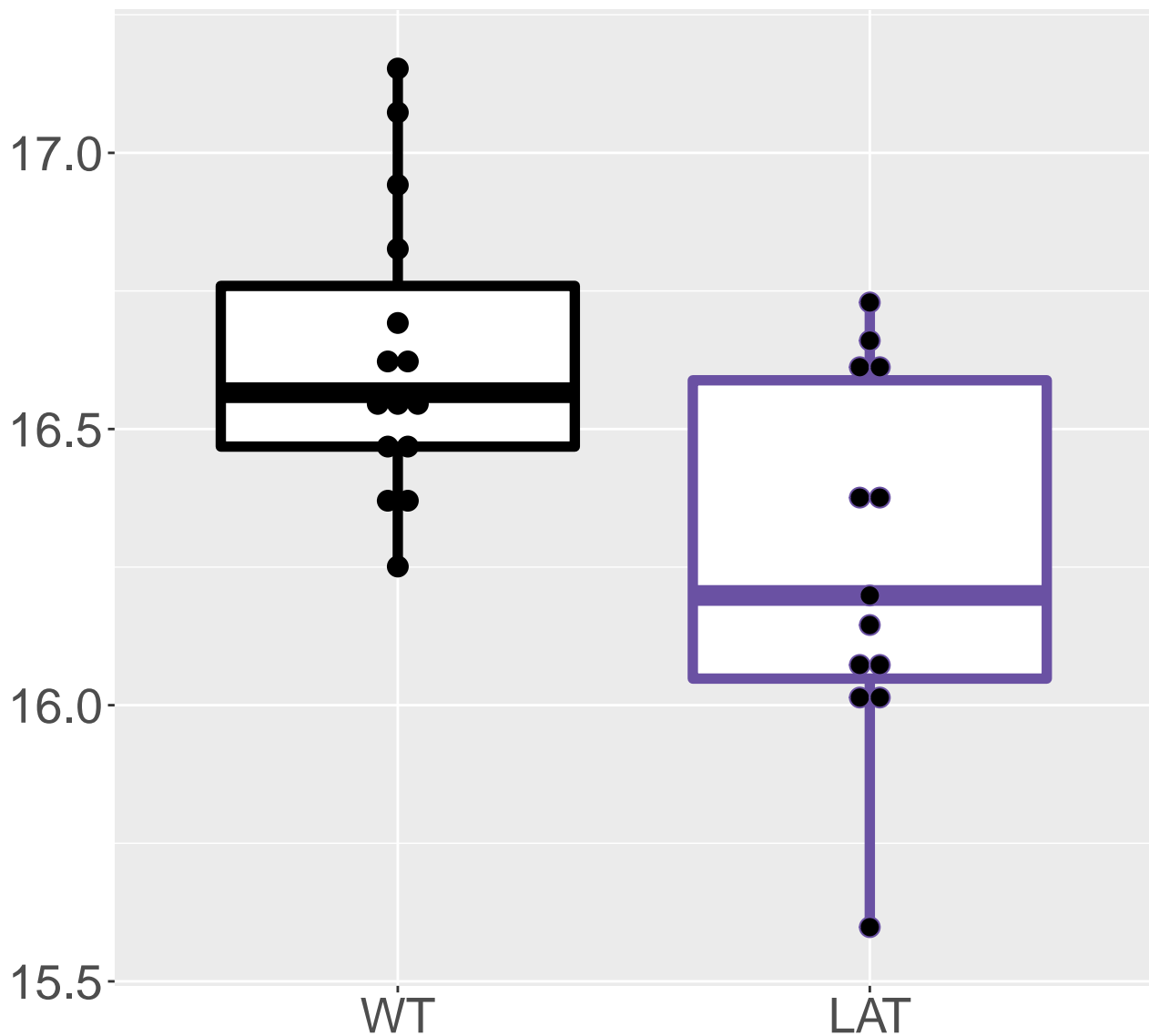
**M594.5628T298.44\_1**

**FDR = 0.017, FC = 0.53, sex\***



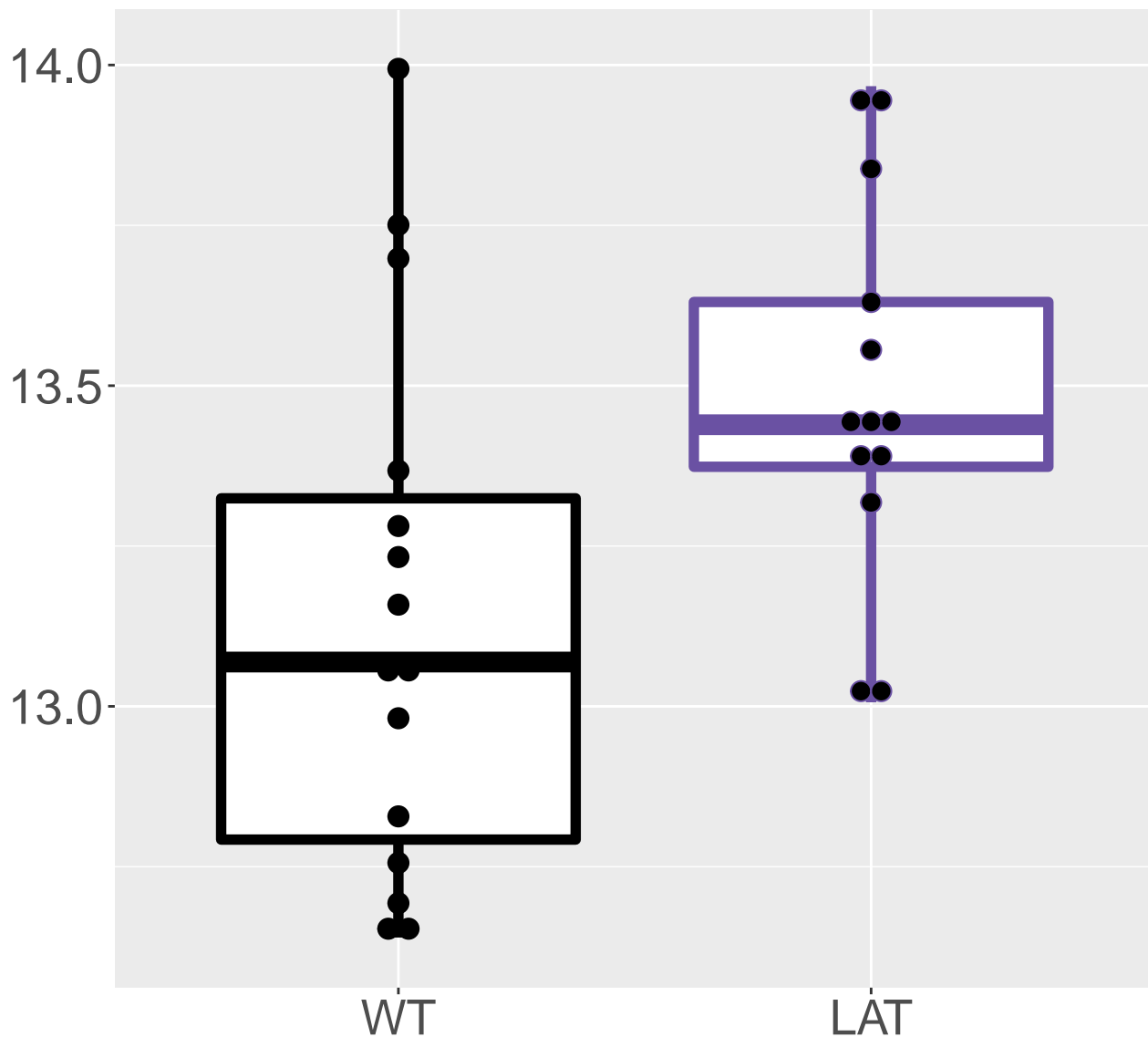
**M275.0392T43.41**

**FDR = 0.017, FC = -0.37**

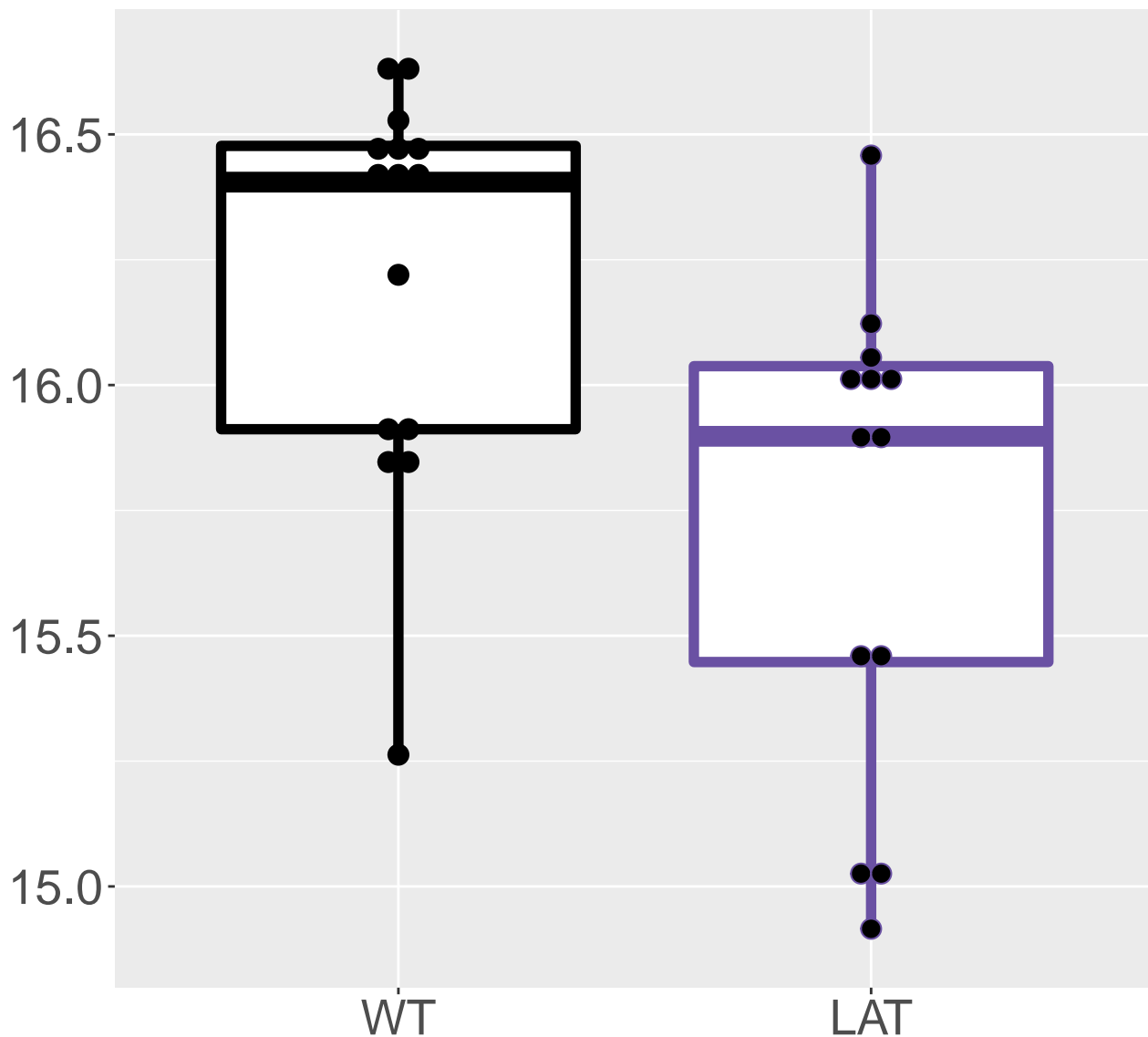


**M424.552T295.94**

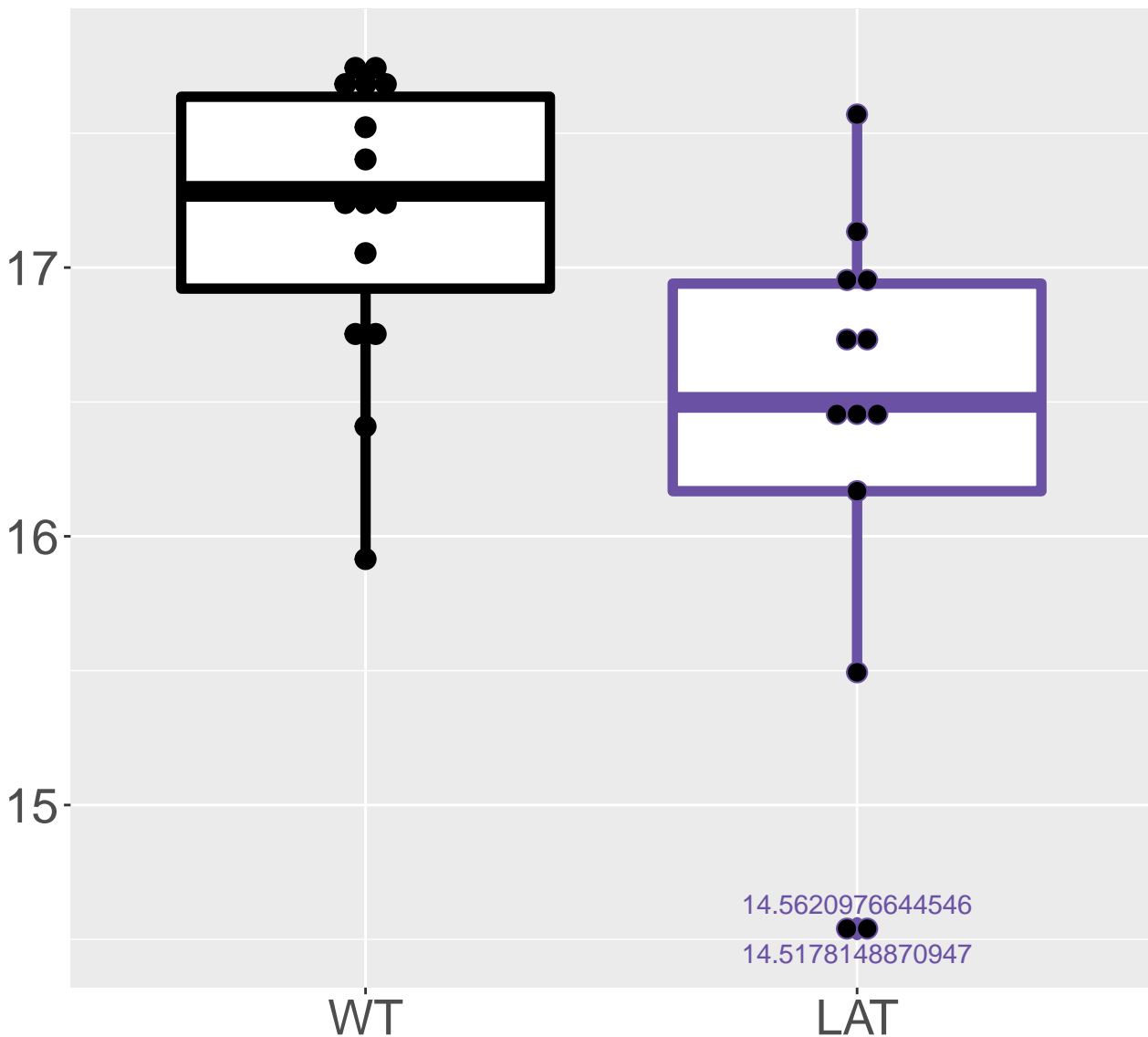
**FDR = 0.017, FC = 0.35, sex\***



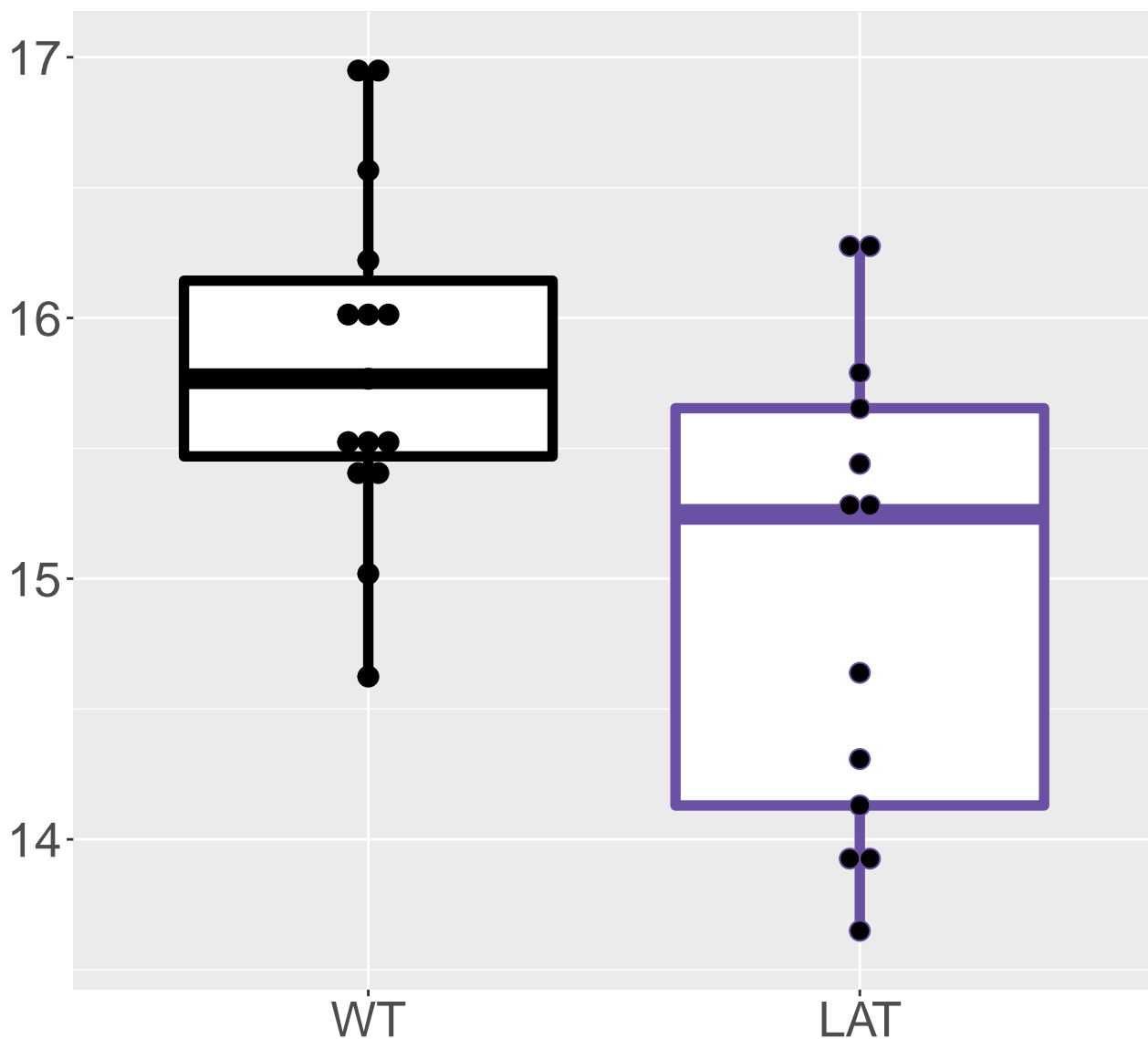
**M161.0451T113.12\_29**  
**FDR = 0.017, FC = -0.51**



**M130.2755T75.34\_43**  
**FDR = 0.017, FC = -0.88**

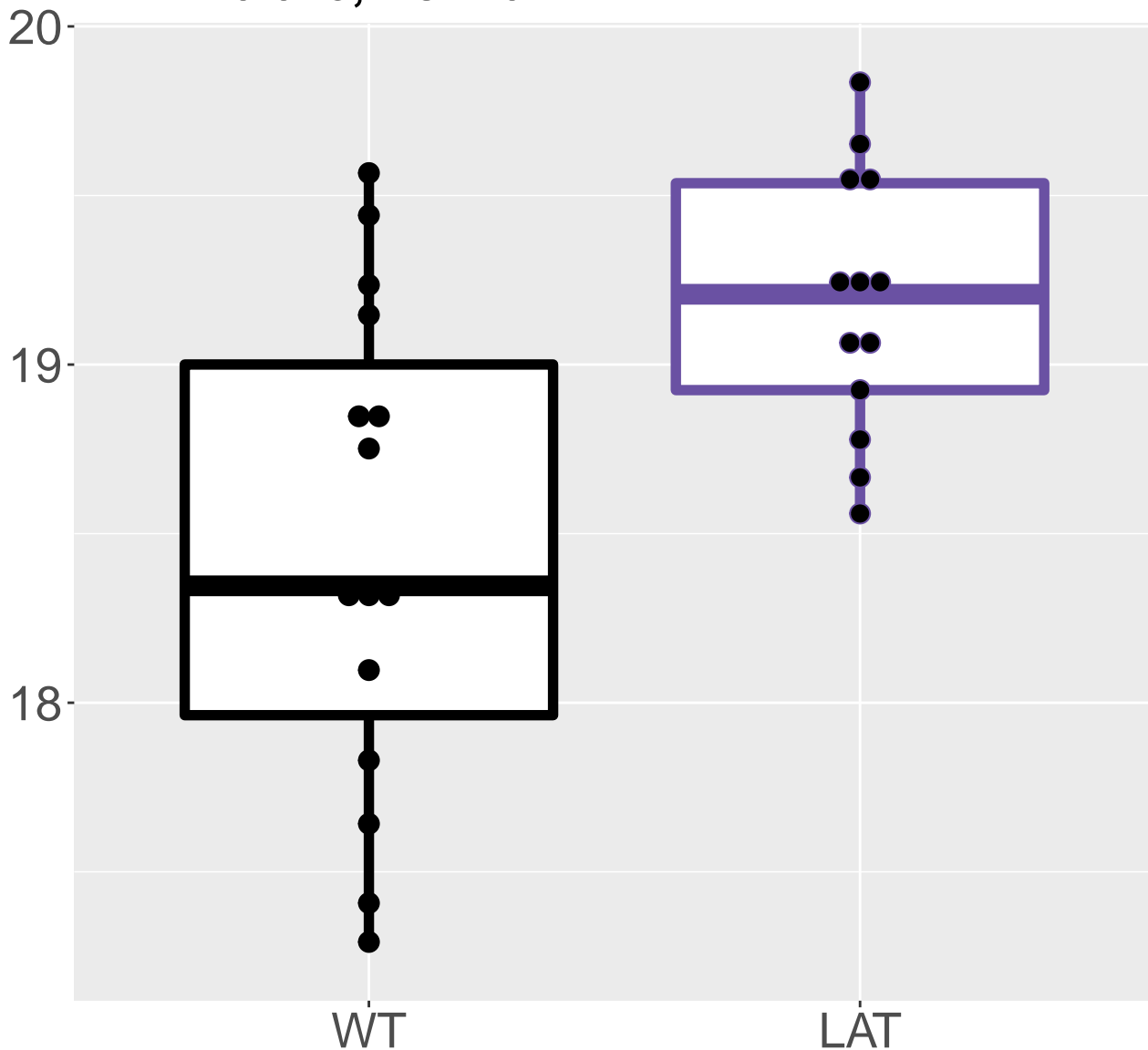


**M512.0936T378.39\_1**  
**FDR = 0.018, FC = -0.87**



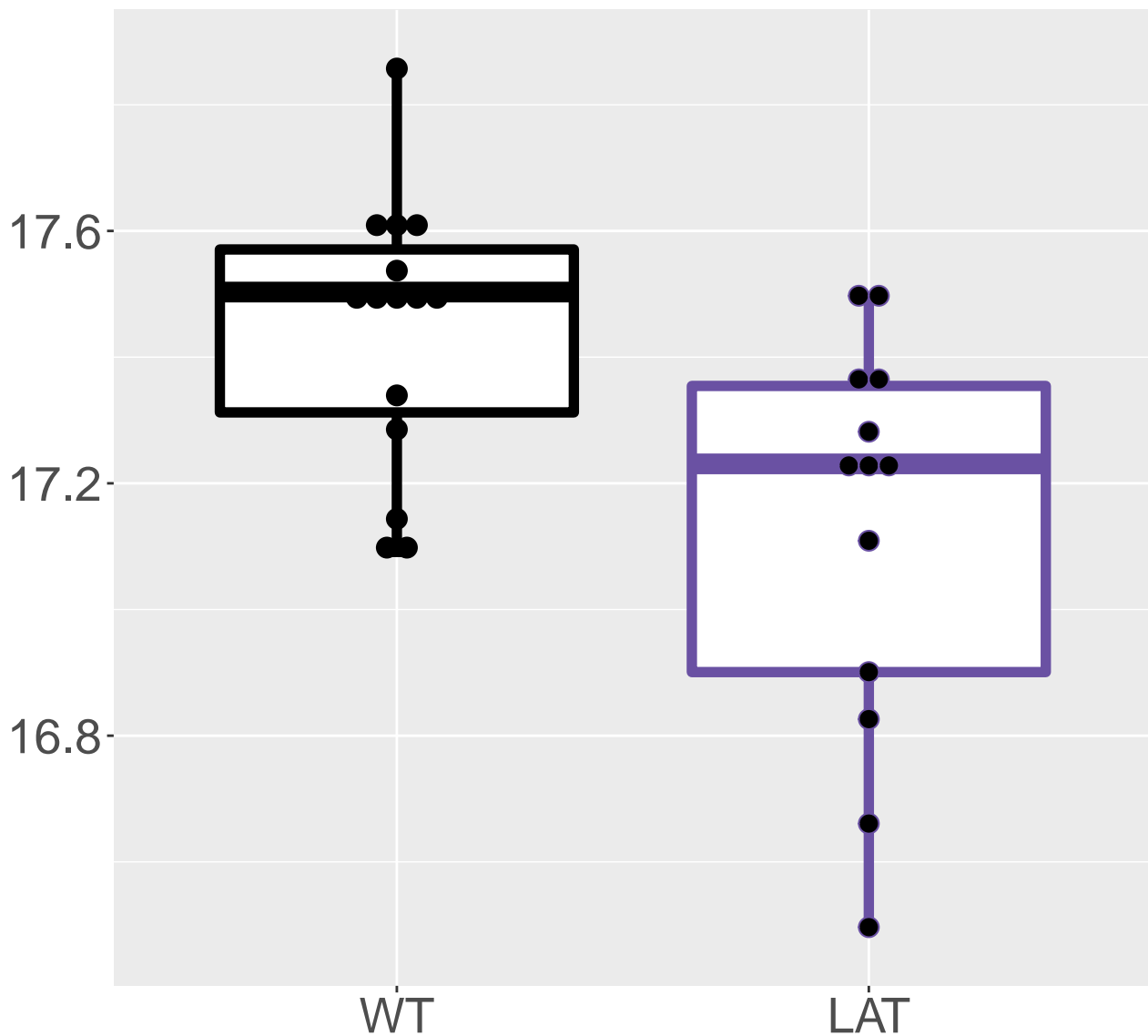


**M146.1184T195.01**  
**FDR = 0.018, FC = 0.71**

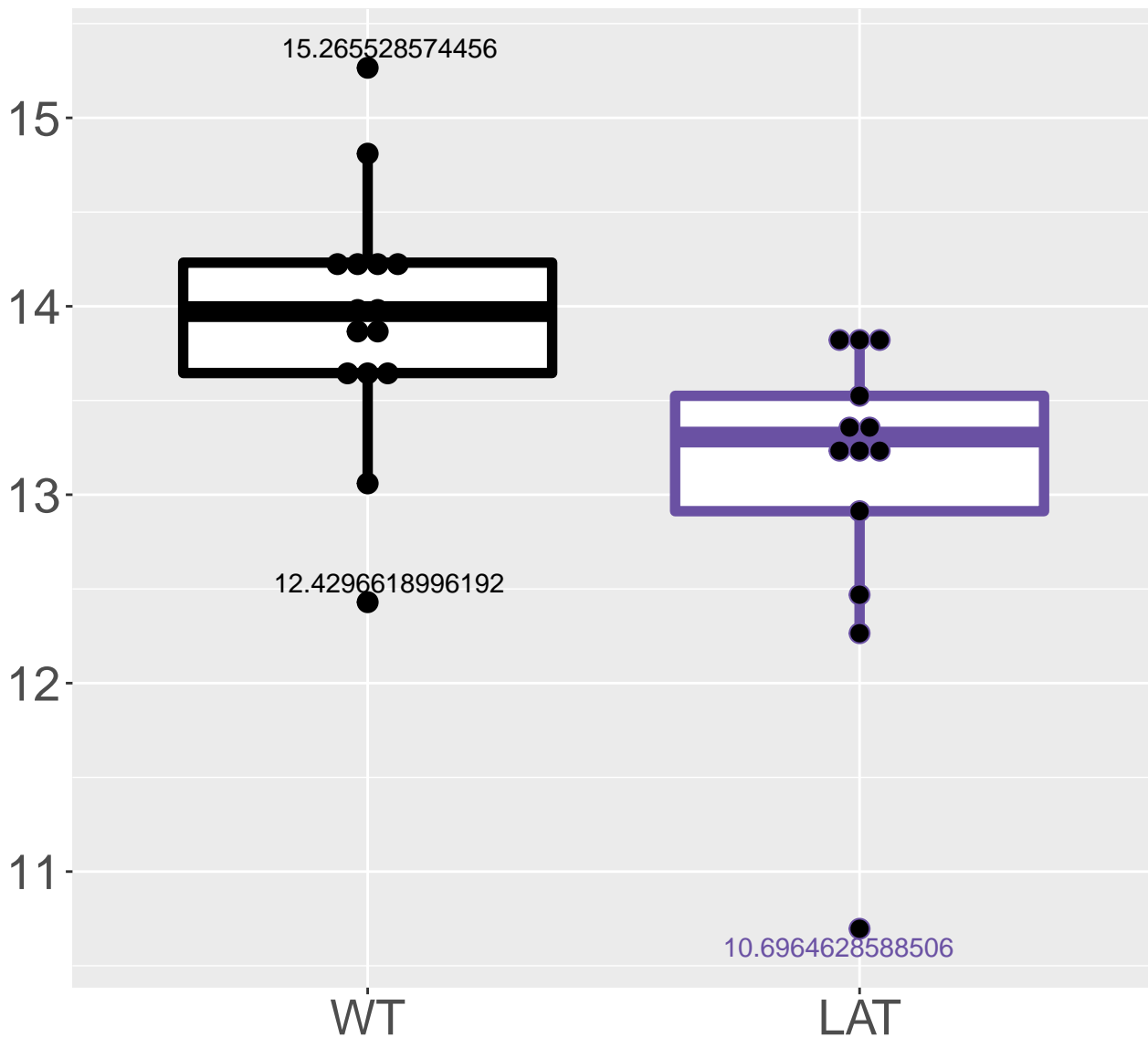


**M291.0133T43.6\_2**

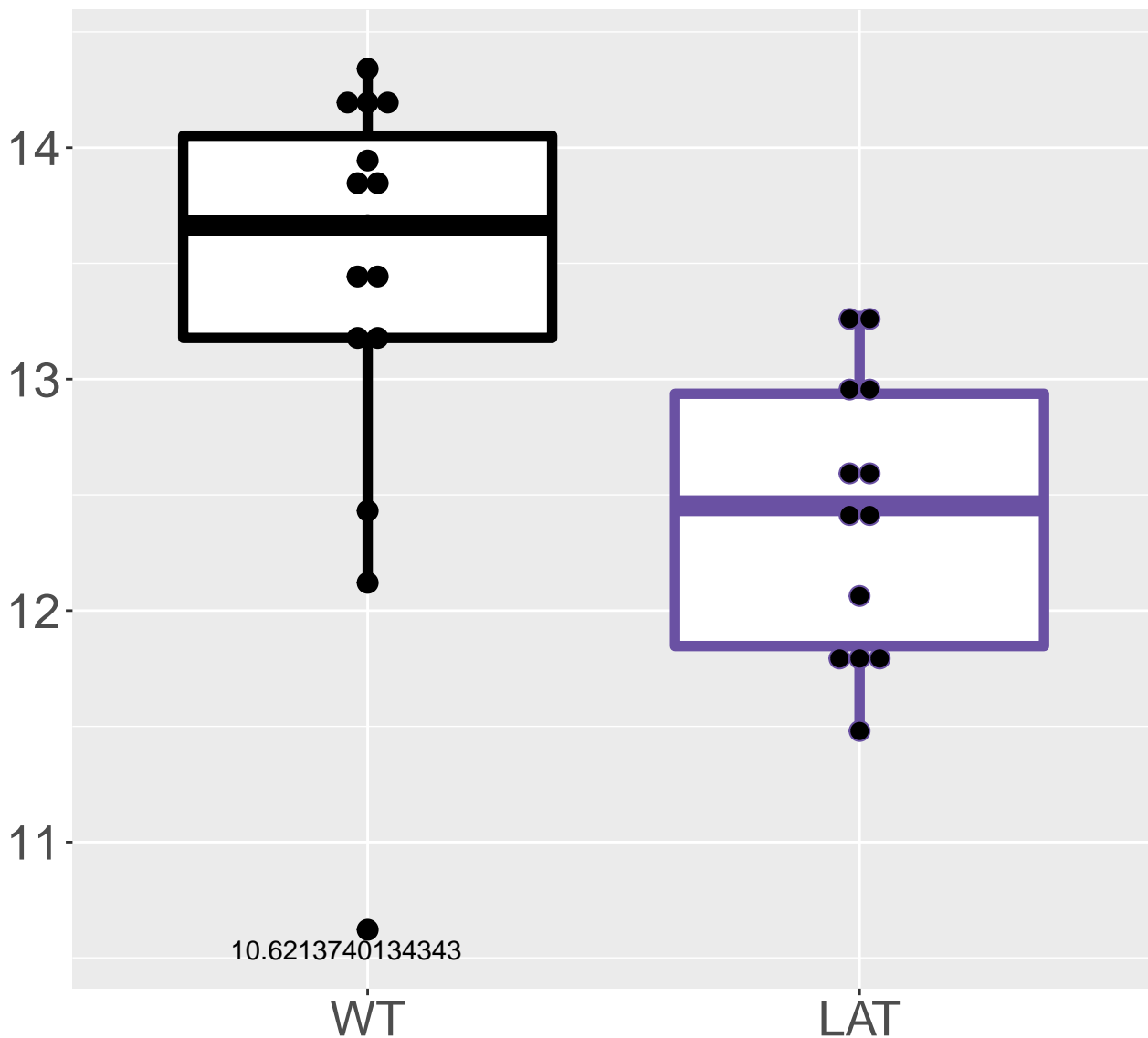
**FDR = 0.018, FC = -0.32, sex\***



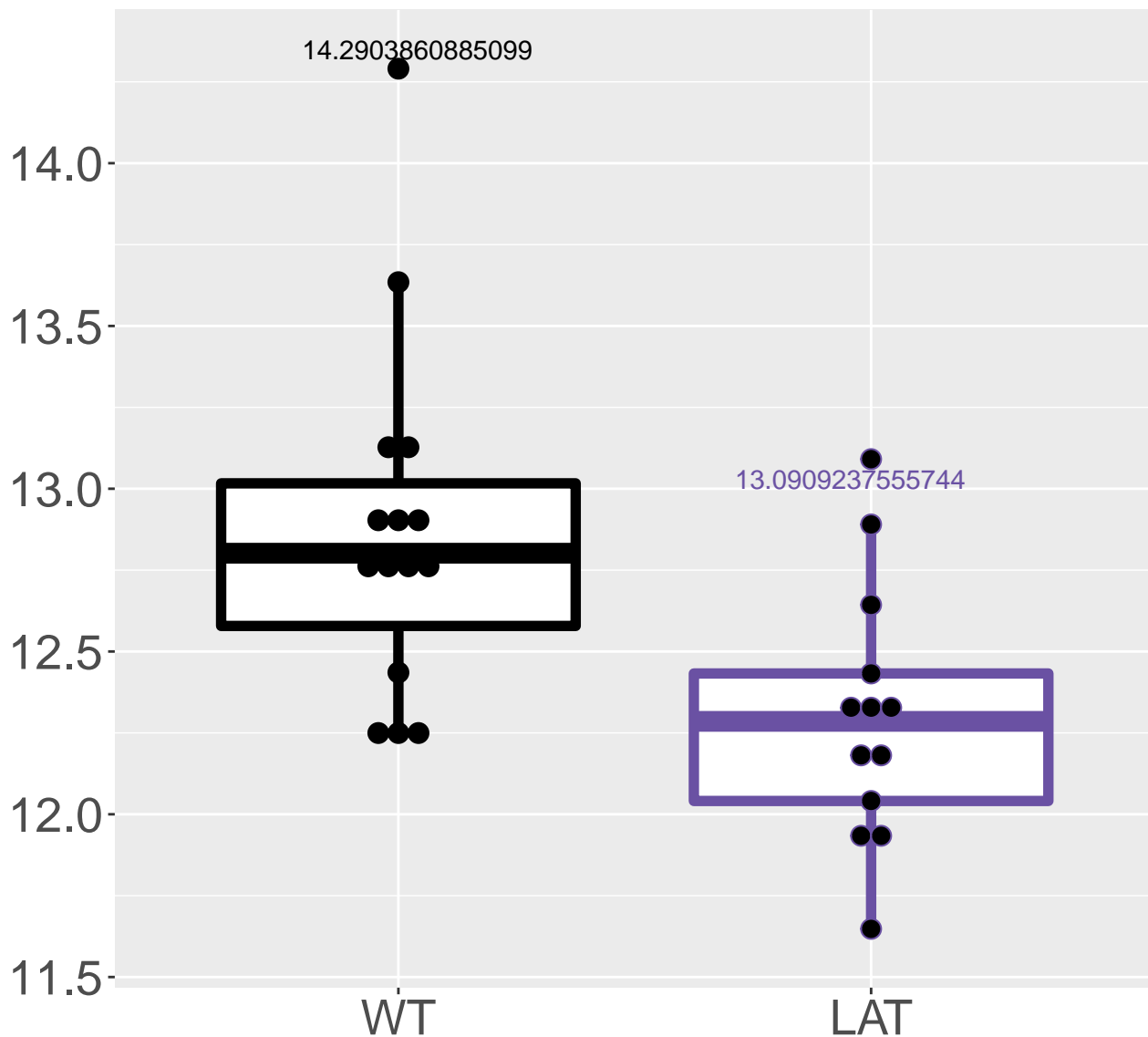
**M408.9257T345.35\_1**  
**FDR = 0.018, FC = -0.89**



**M562.9109T330.61\_3**  
**FDR = 0.018, FC = -0.96**

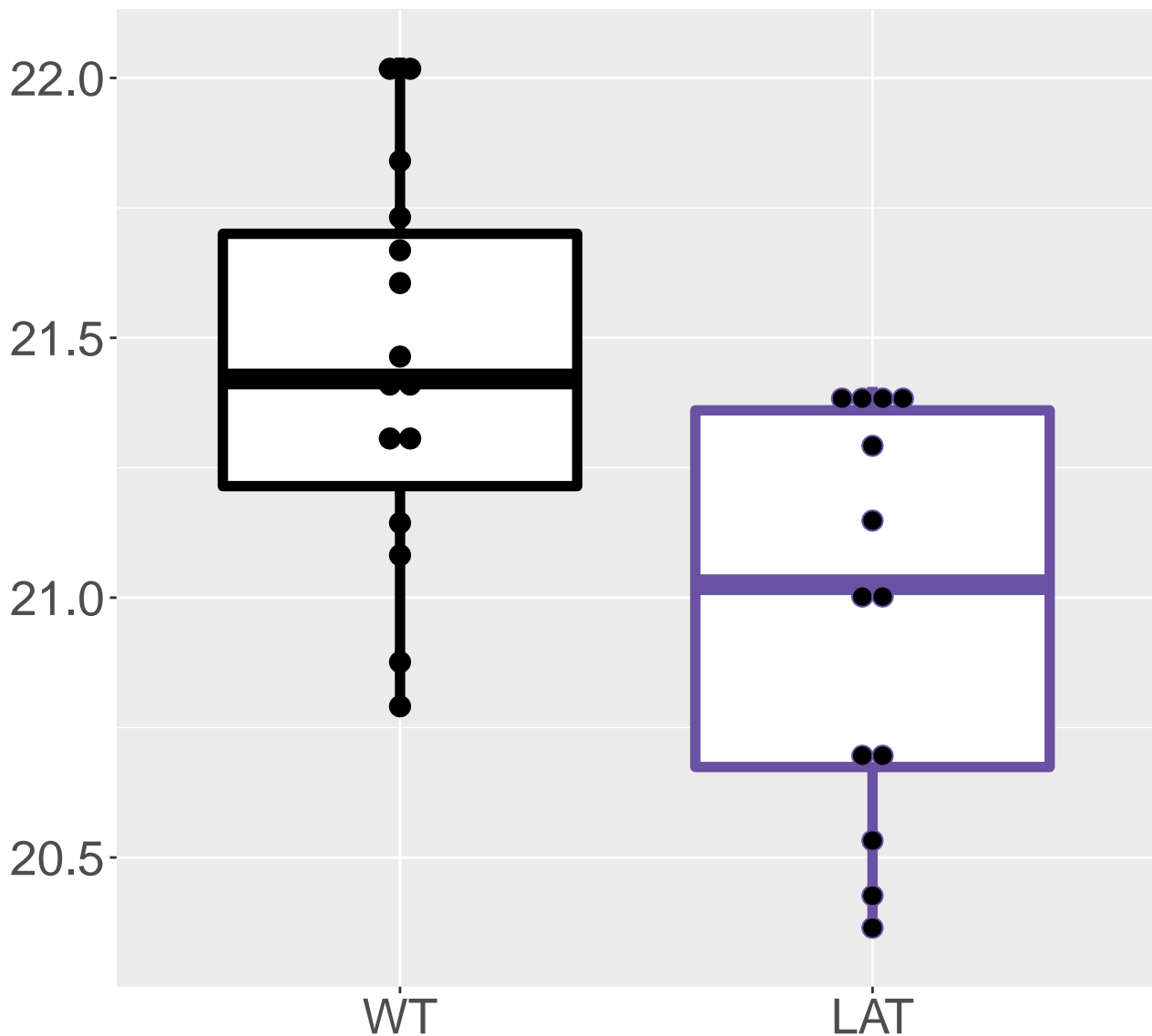


**M423.7346T255.59\_1**  
**FDR = 0.018, FC = -0.57**



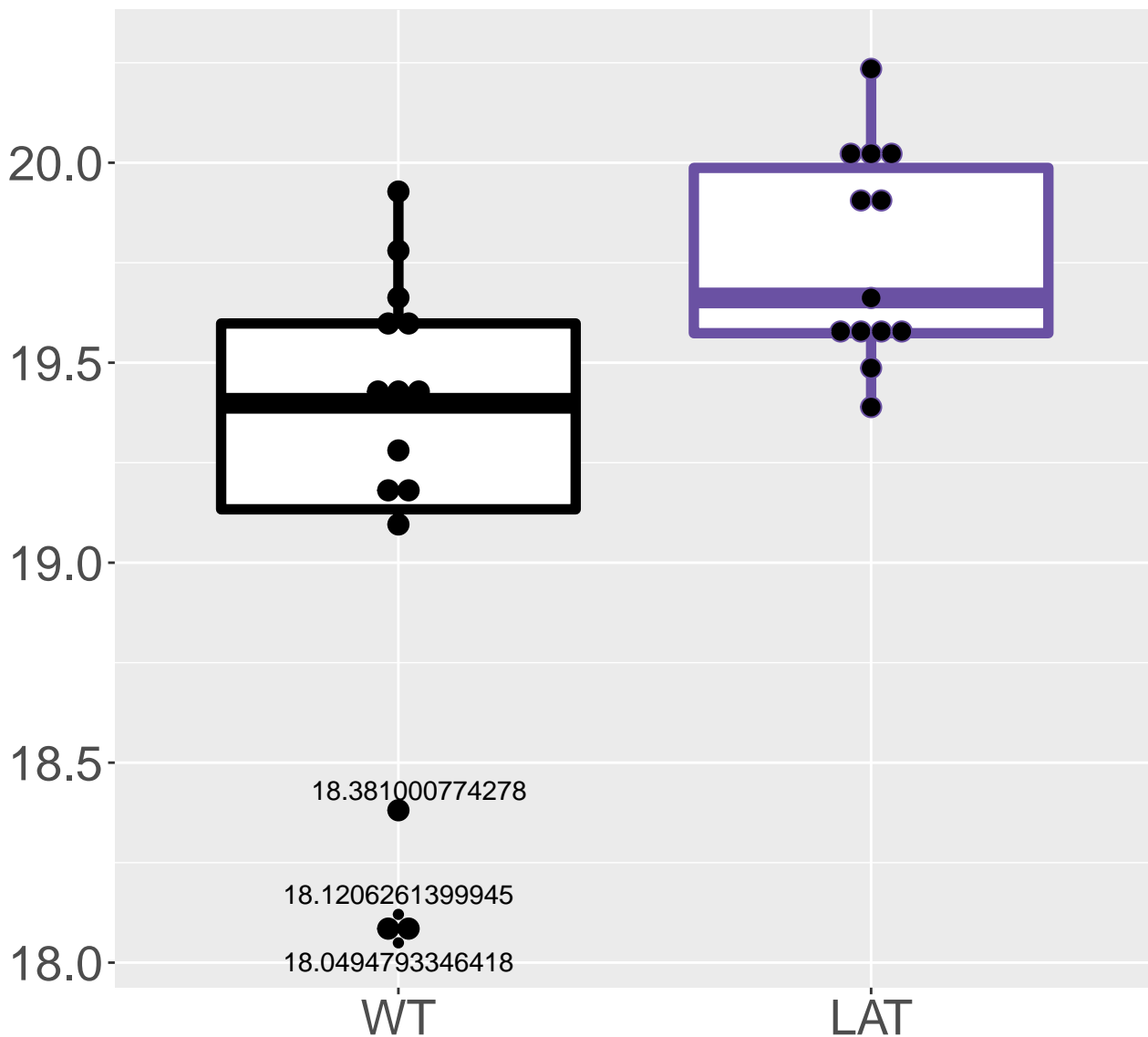
**M444.1317T60.5**

**FDR = 0.018, FC = -0.47**

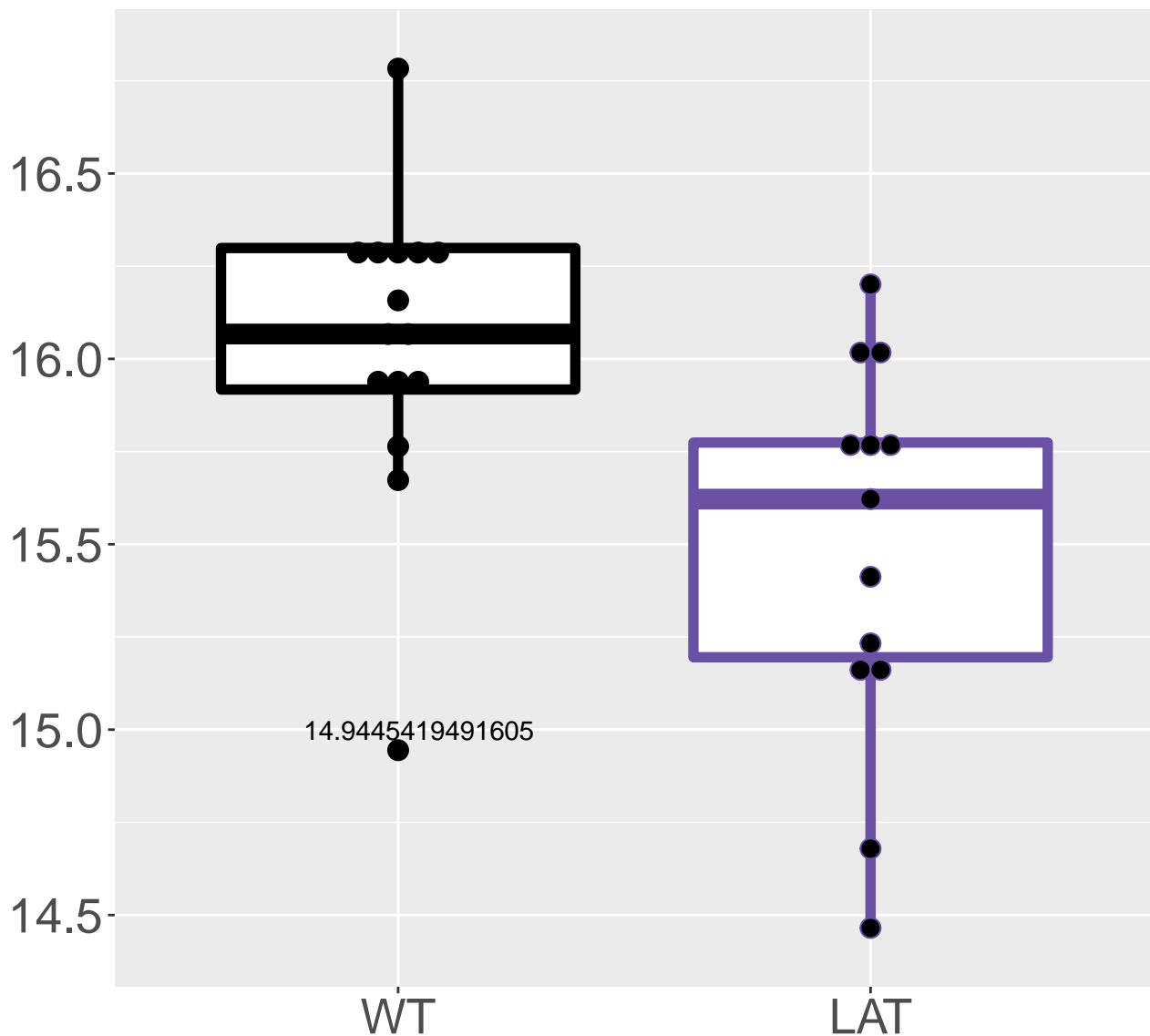


**M739.1854T75.89**

**FDR = 0.018, FC = 0.56**

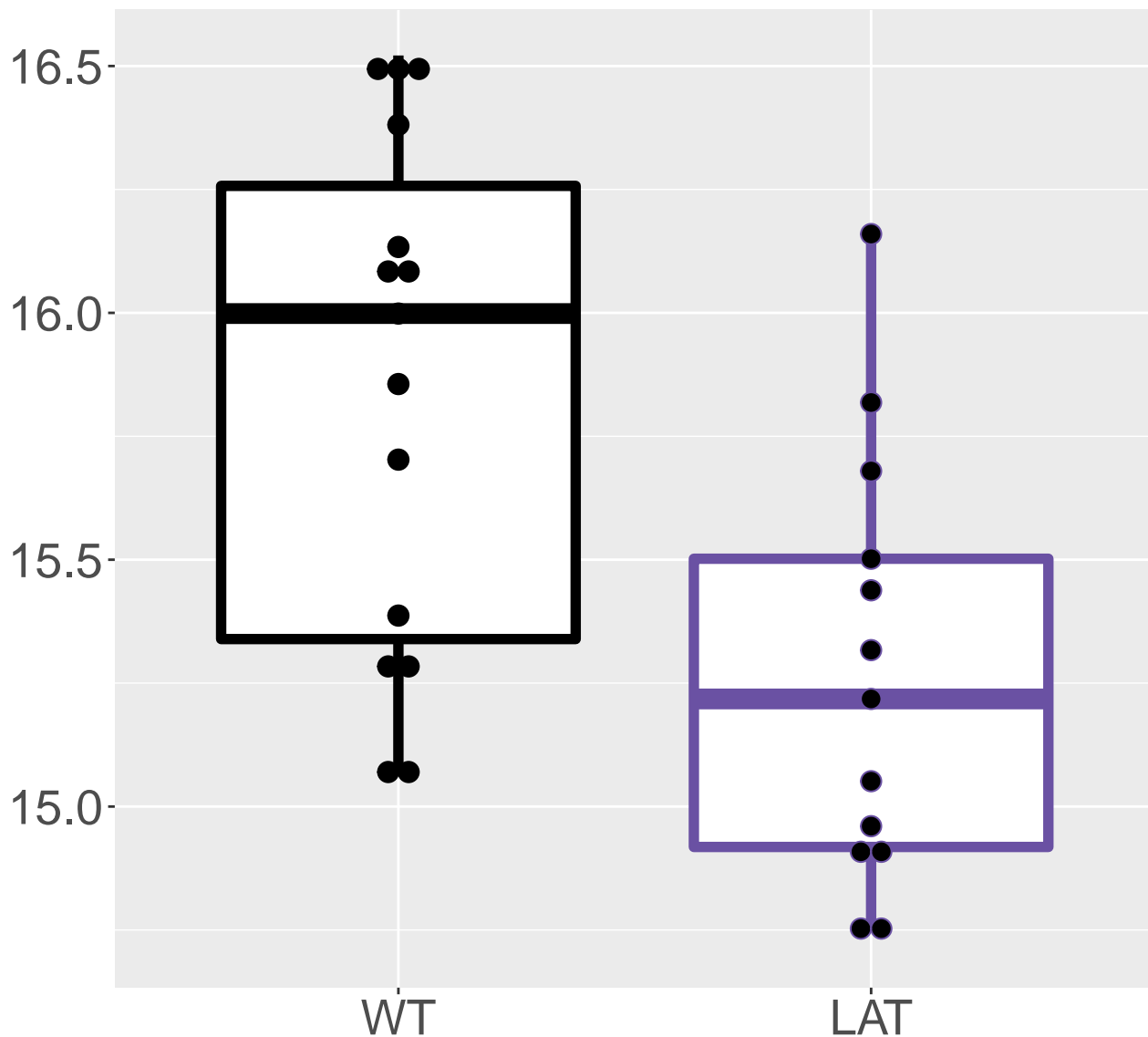


**FDR = 0.018, FC = -0.57**

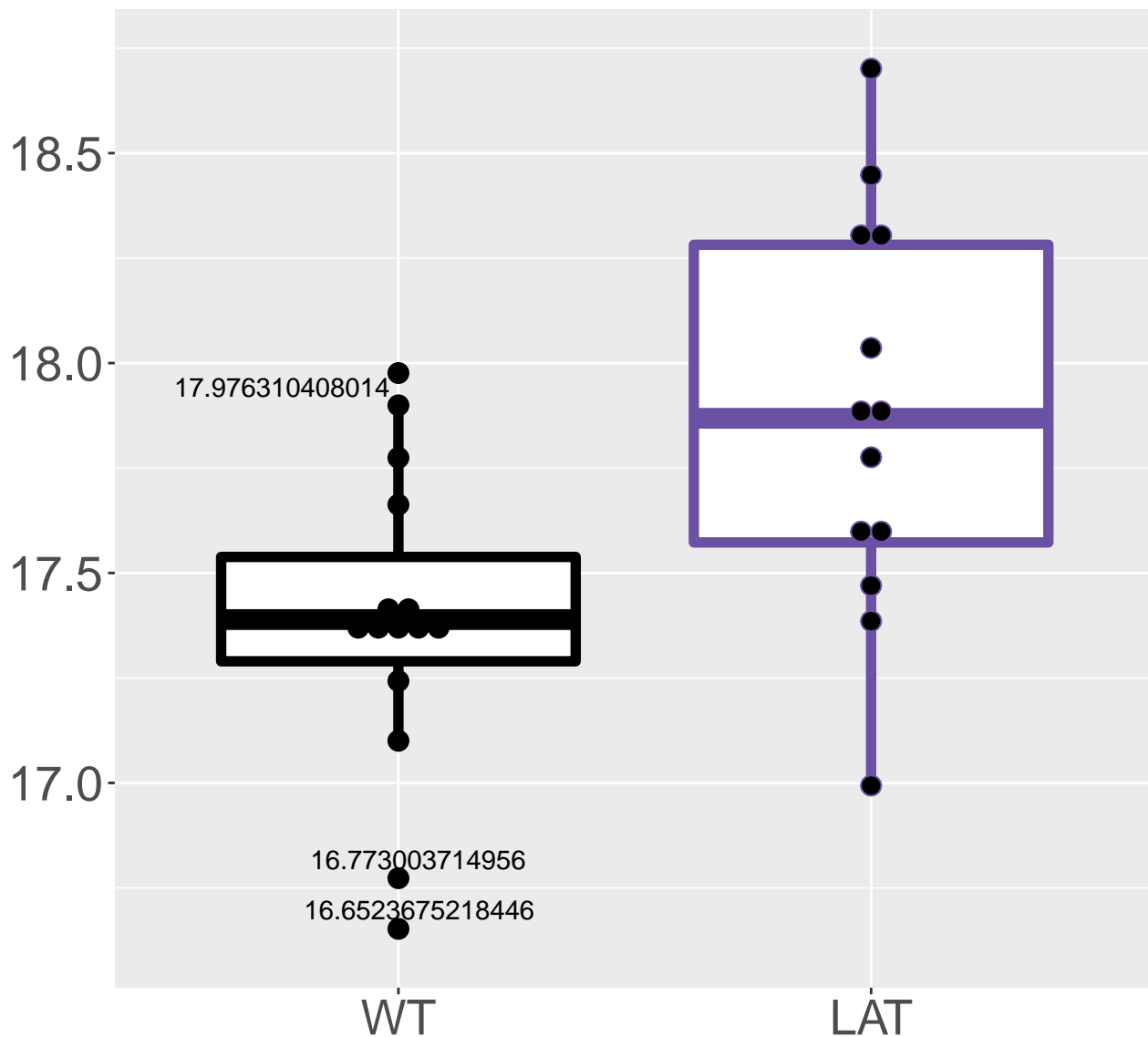




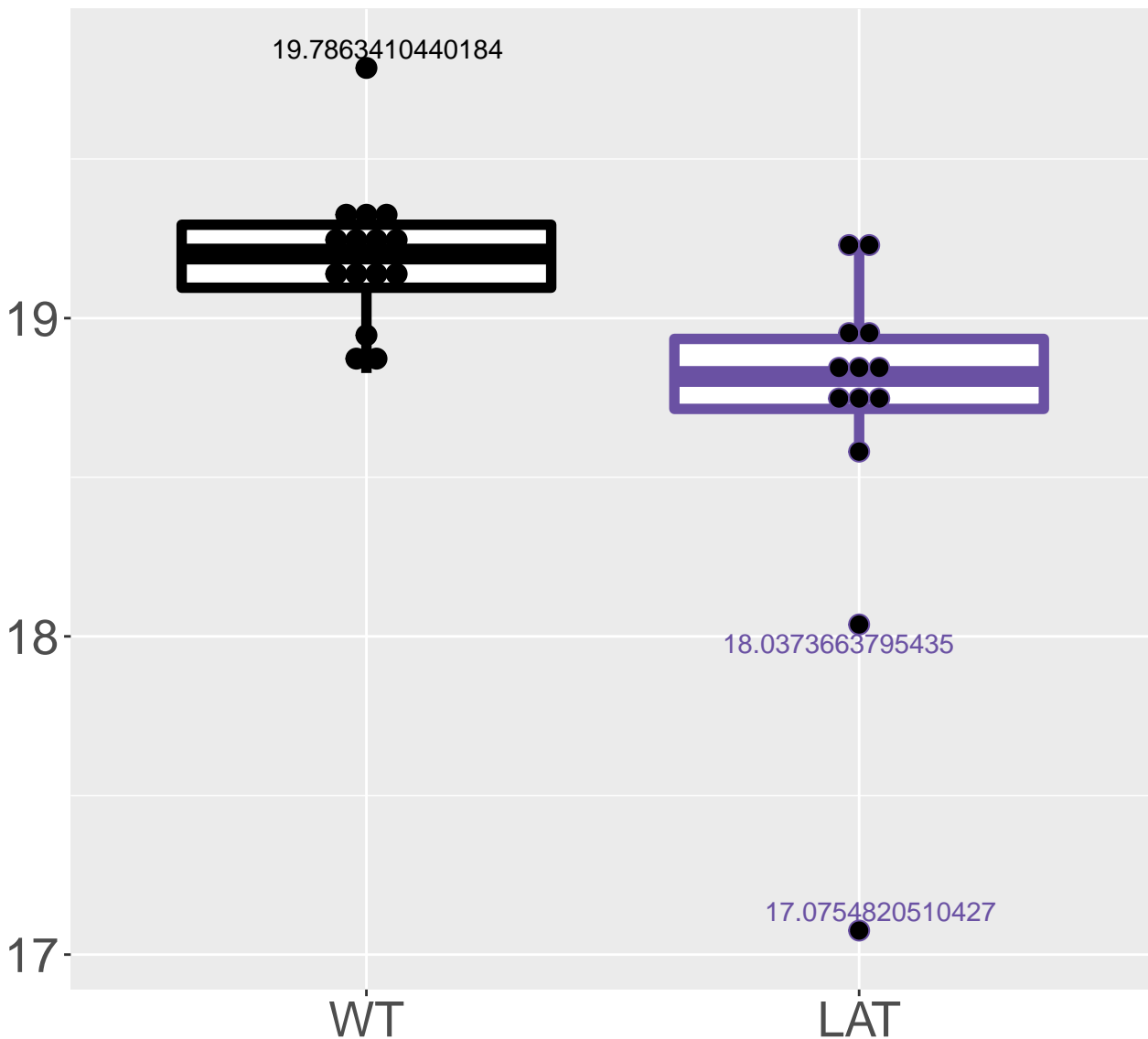
**M161.6929T113.13\_9**  
**FDR = 0.018, FC = -0.59**



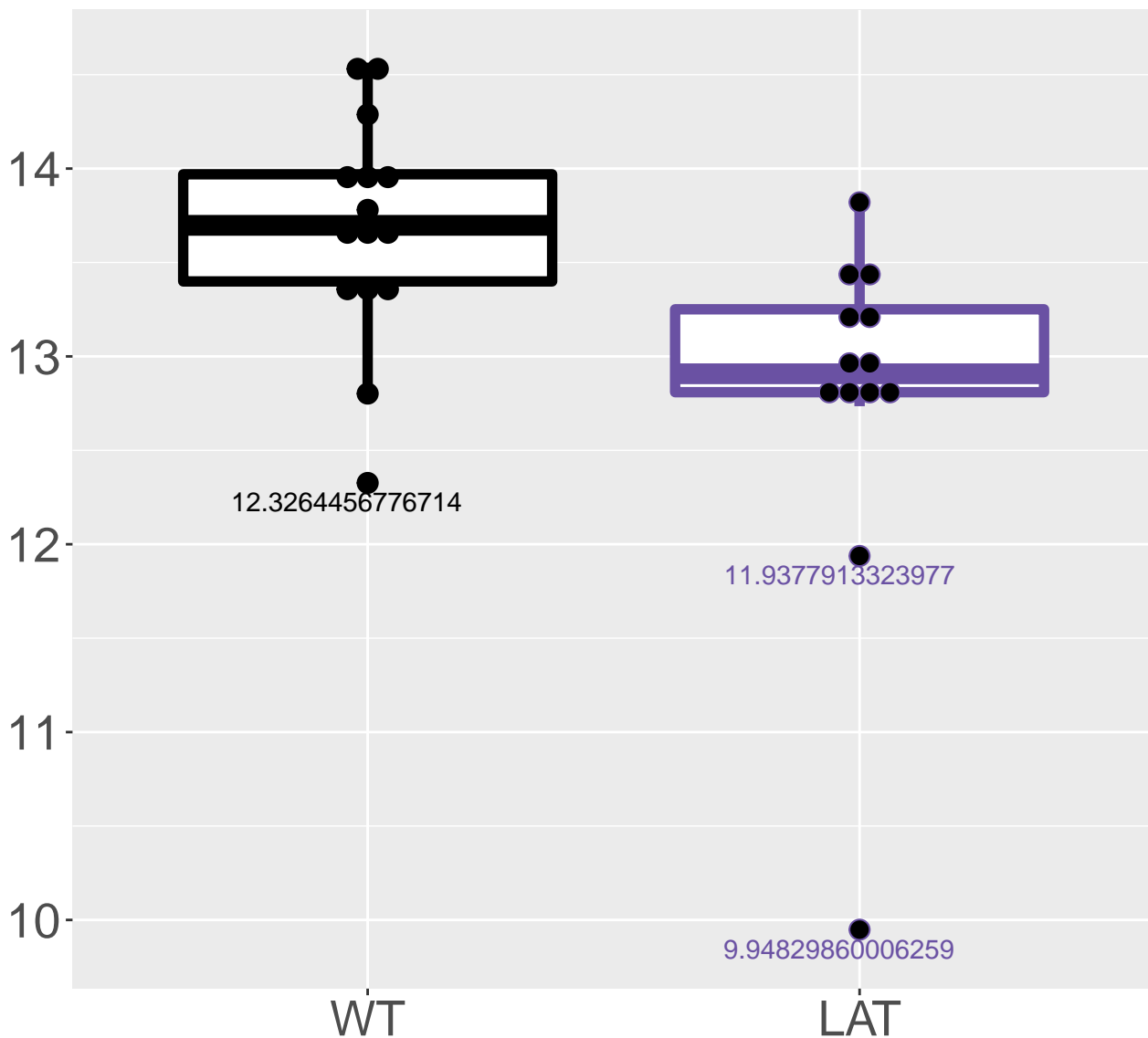
**M241.0095T45.63**  
**FDR = 0.018, FC = 0.49**



**M165.8778T113.25\_11**  
**FDR = 0.018, FC = -0.51**

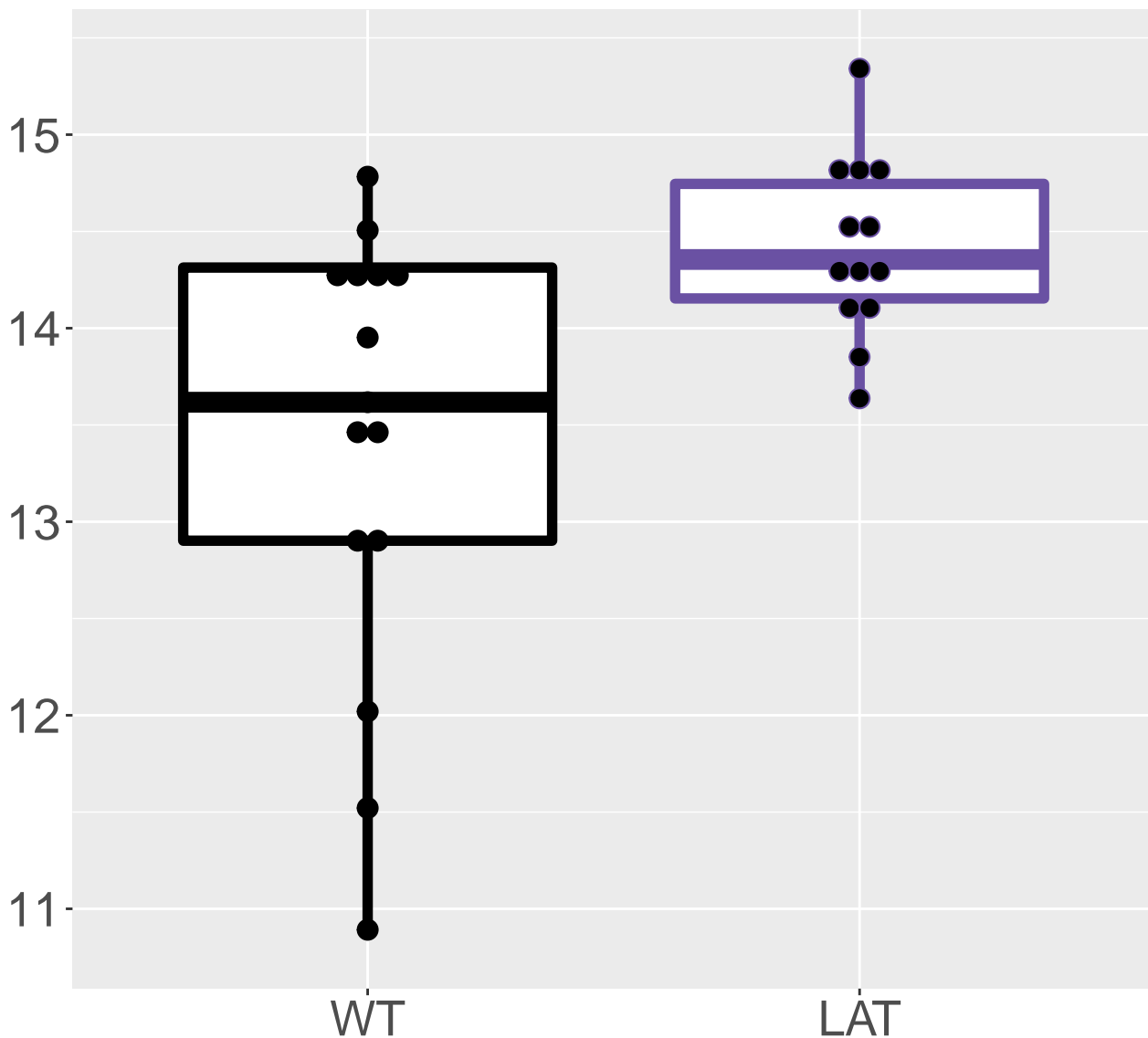


**M204.1057T229.09\_5**  
**FDR = 0.018, FC = -0.89**

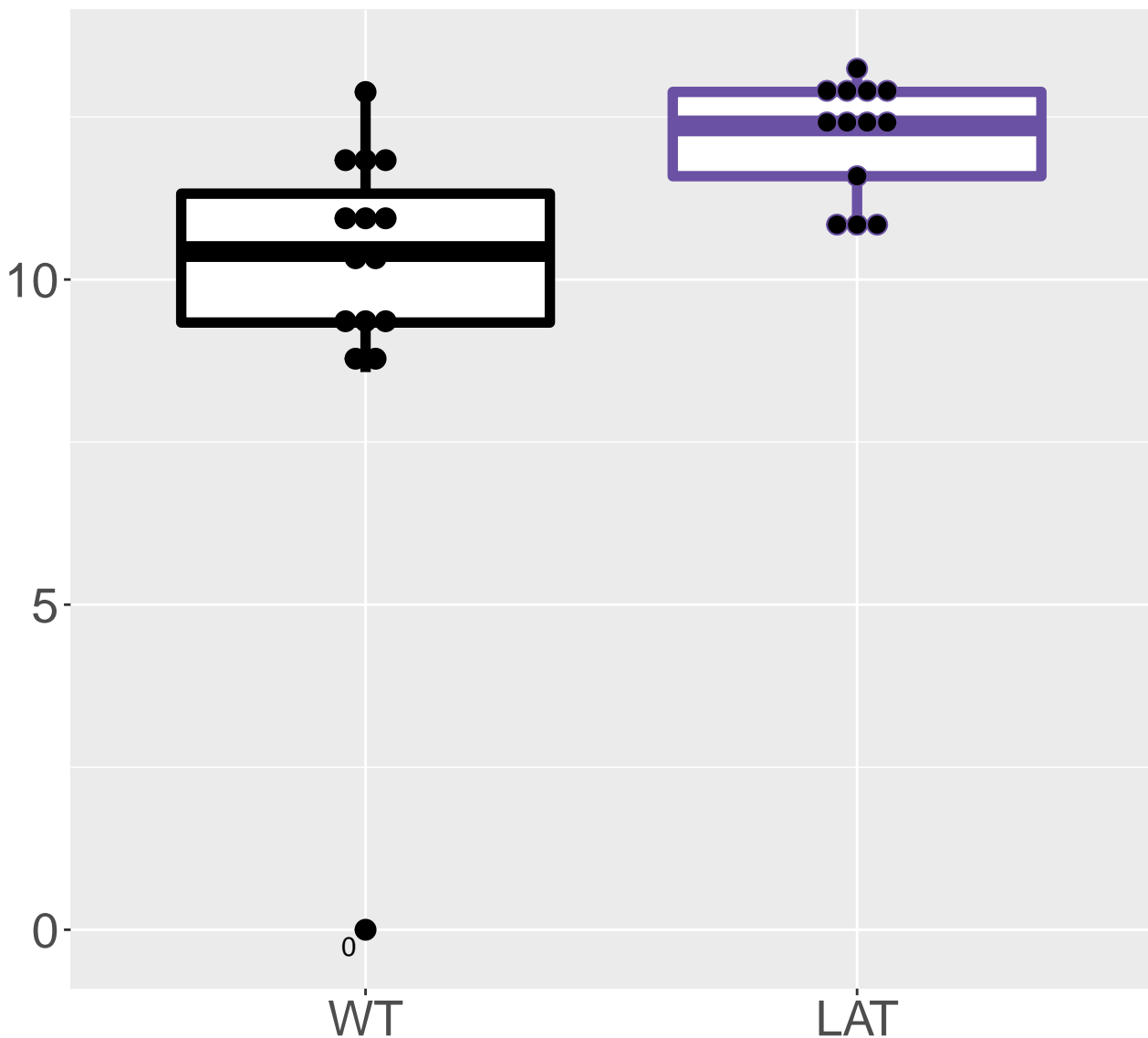


**M285.1729T80.3**

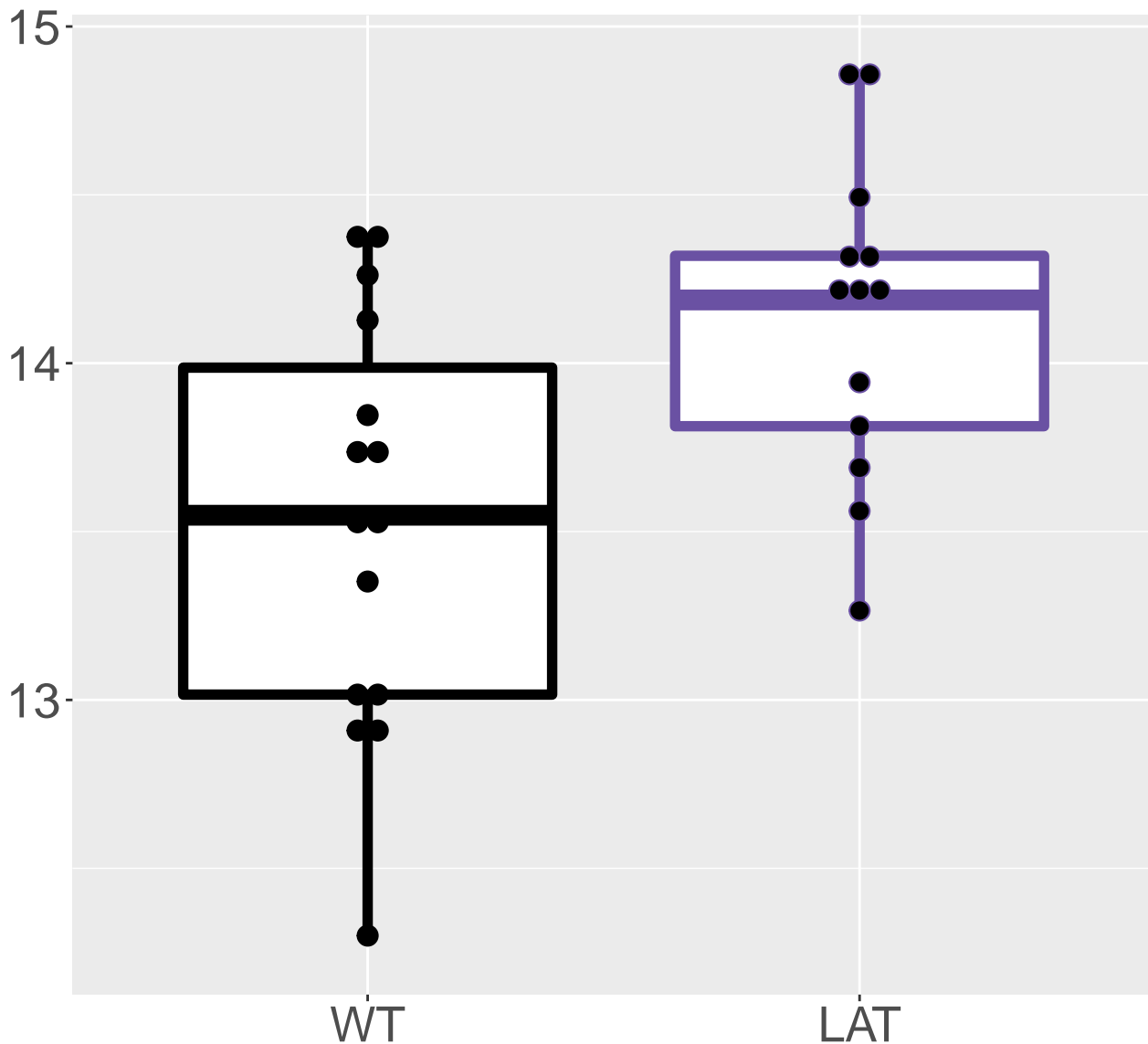
**FDR = 0.018, FC = 1**



**M241.6538T295.37**  
**FDR = 0.018, FC = 2.4**

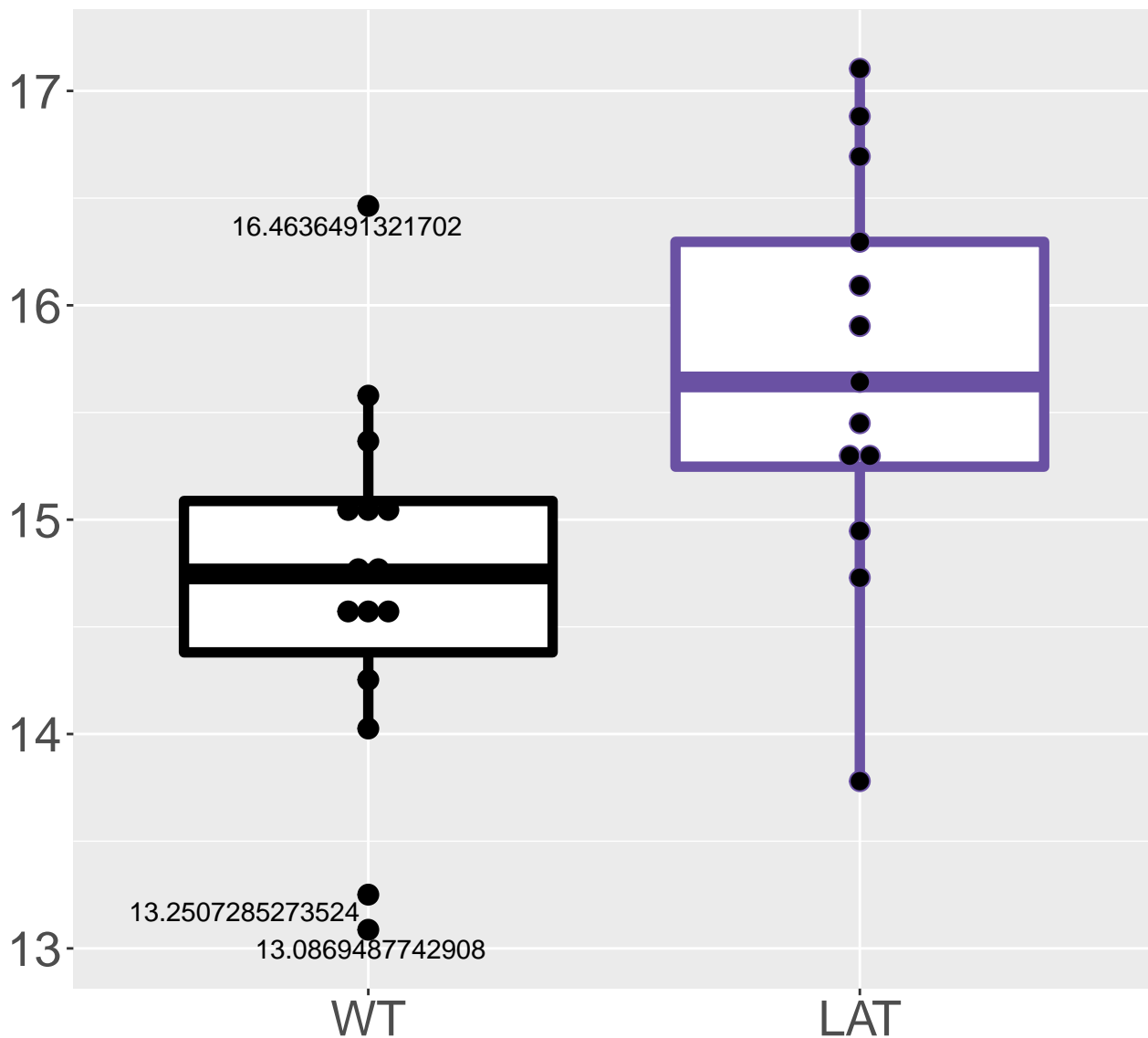


**M399.2162T316.37\_2**  
**FDR = 0.018, FC = 0.6**



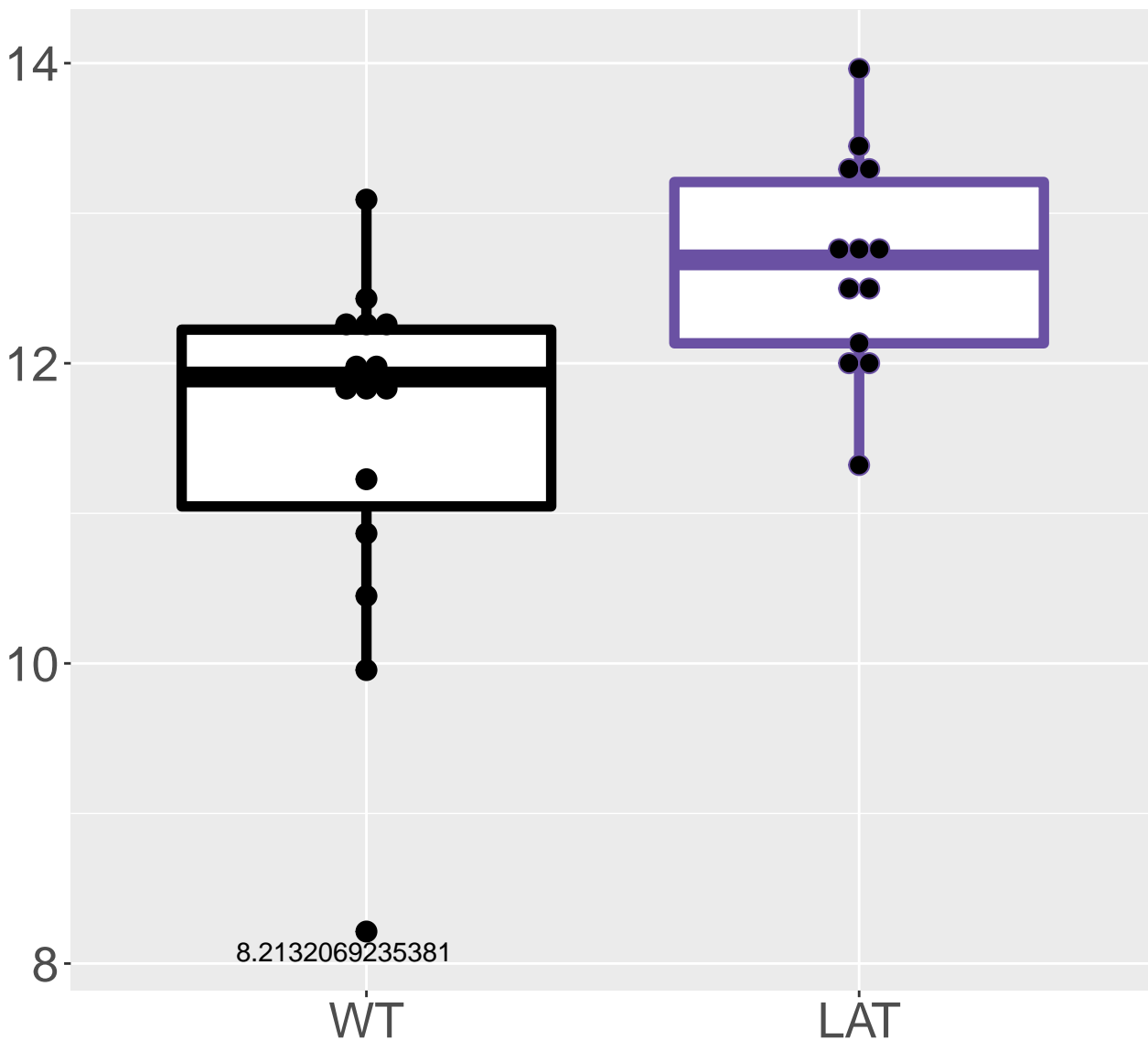
**M138.5114T39.43**

**FDR = 0.018, FC = 1**



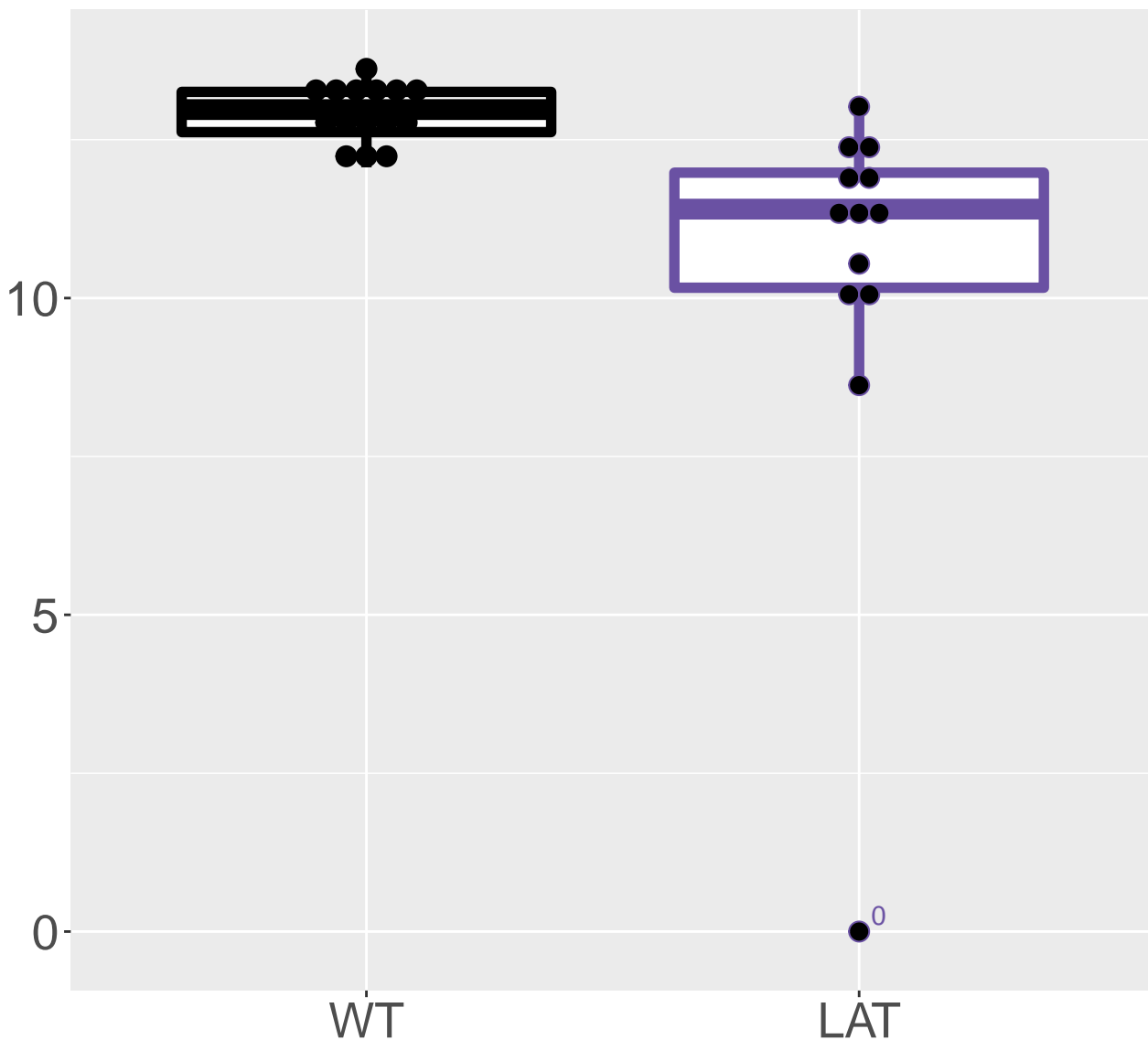


**M543.9671T315.16\_2**  
**FDR = 0.018, FC = 1.2**

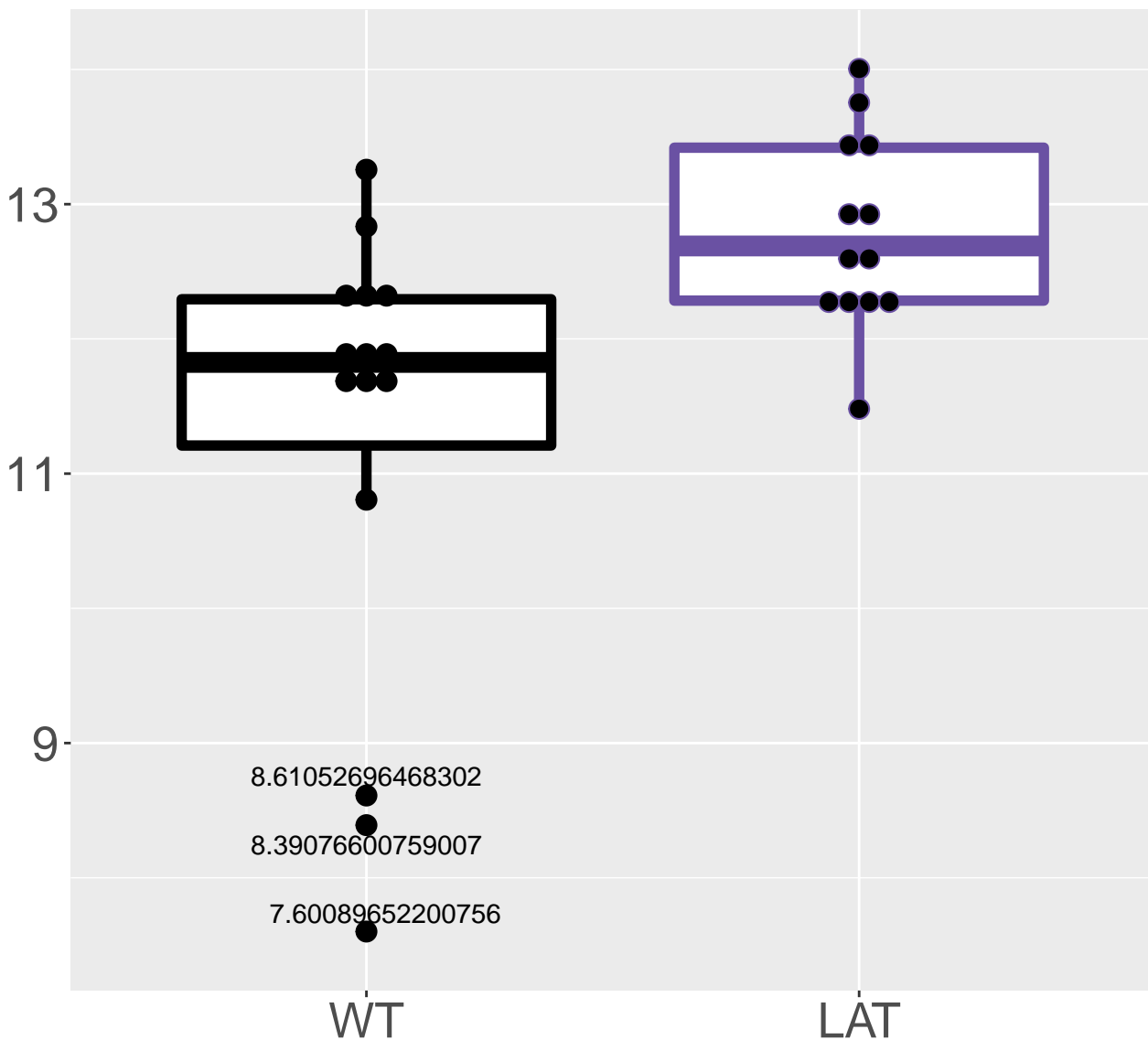


**M591.2062T90.71**

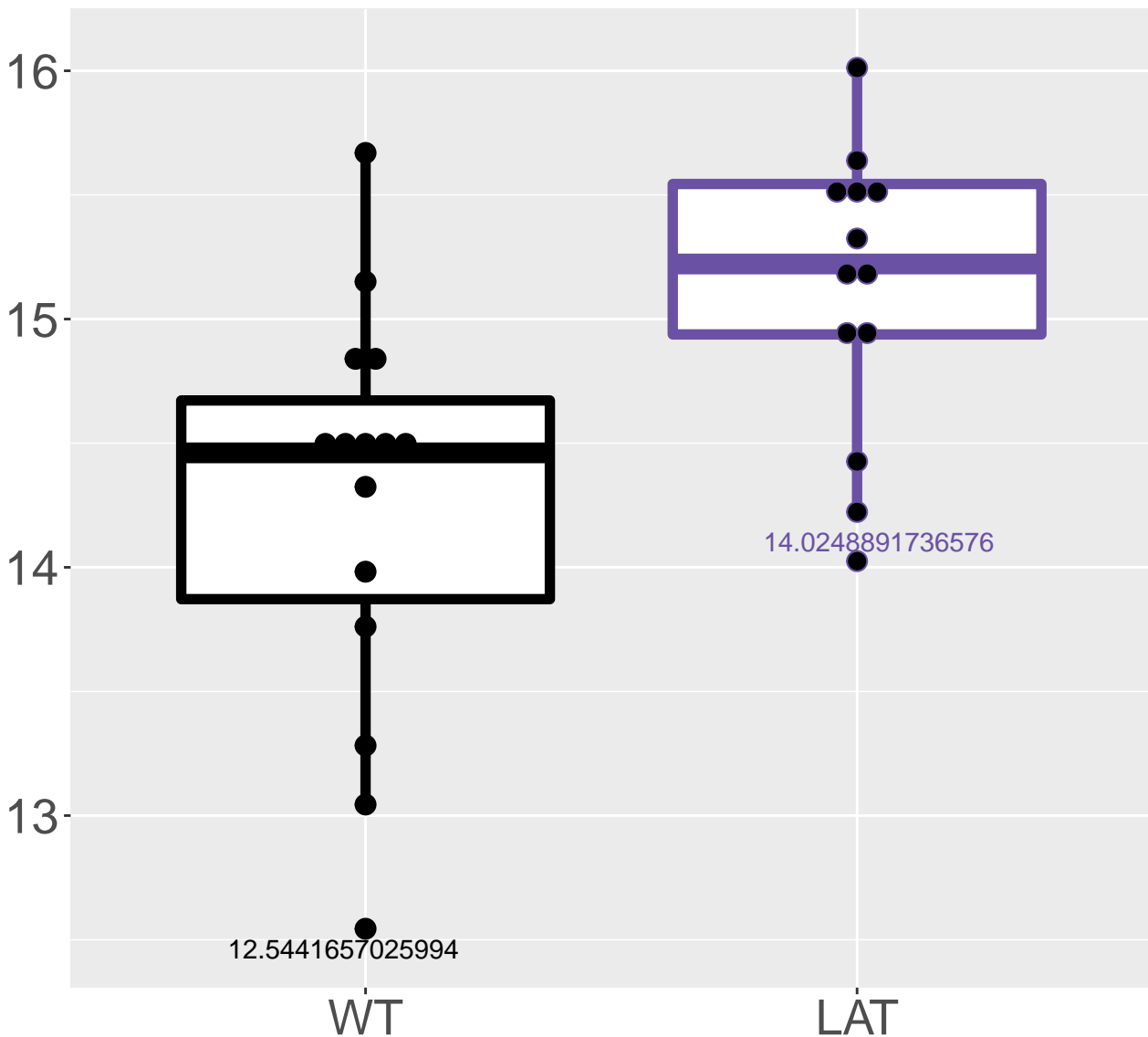
**FDR = 0.019, FC = -2.5**



**M382.2104T184.71**  
**FDR = 0.019, FC = 1.5**

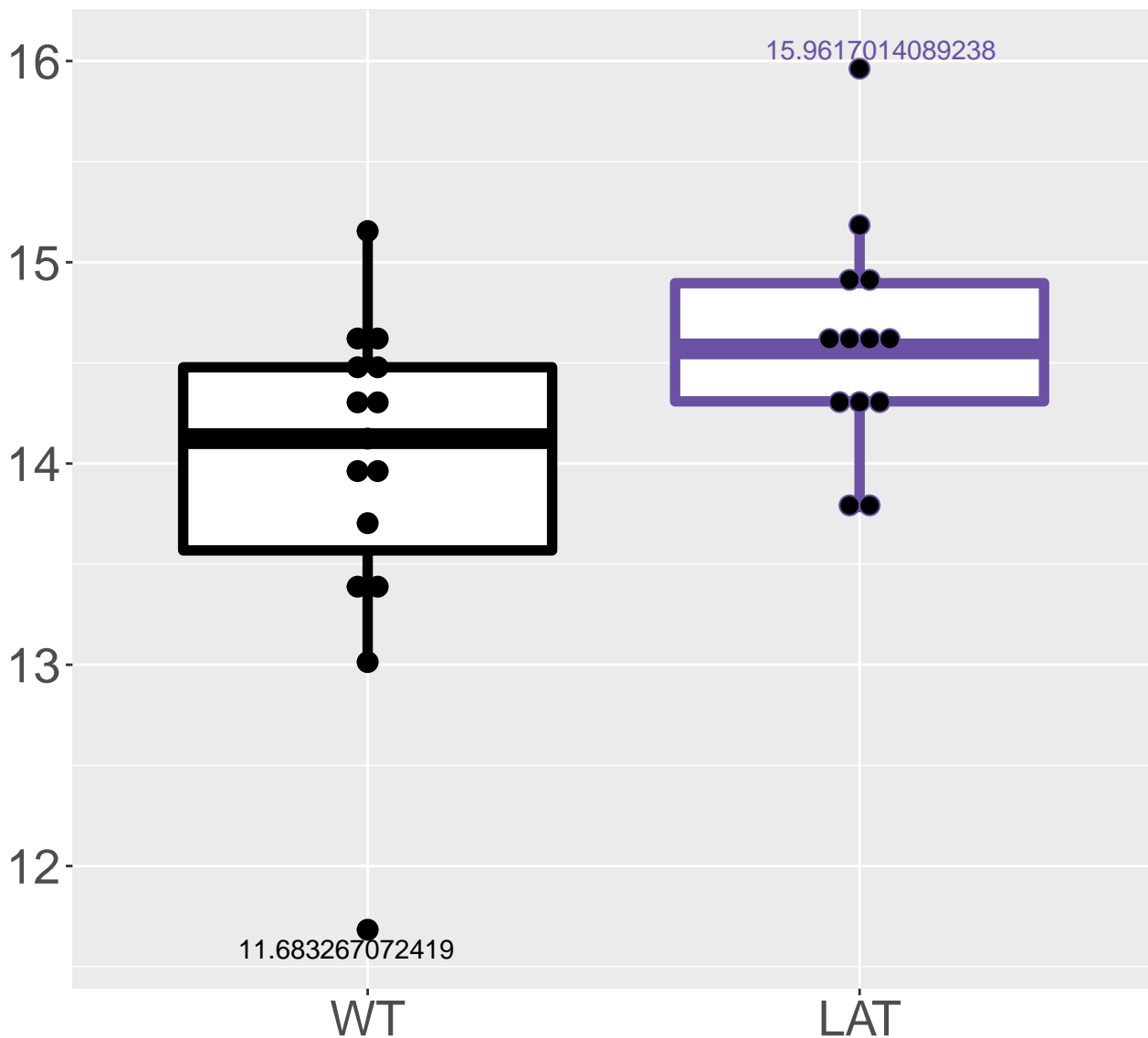


**M399.664T84.38\_1**  
**FDR = 0.019, FC = 0.85**

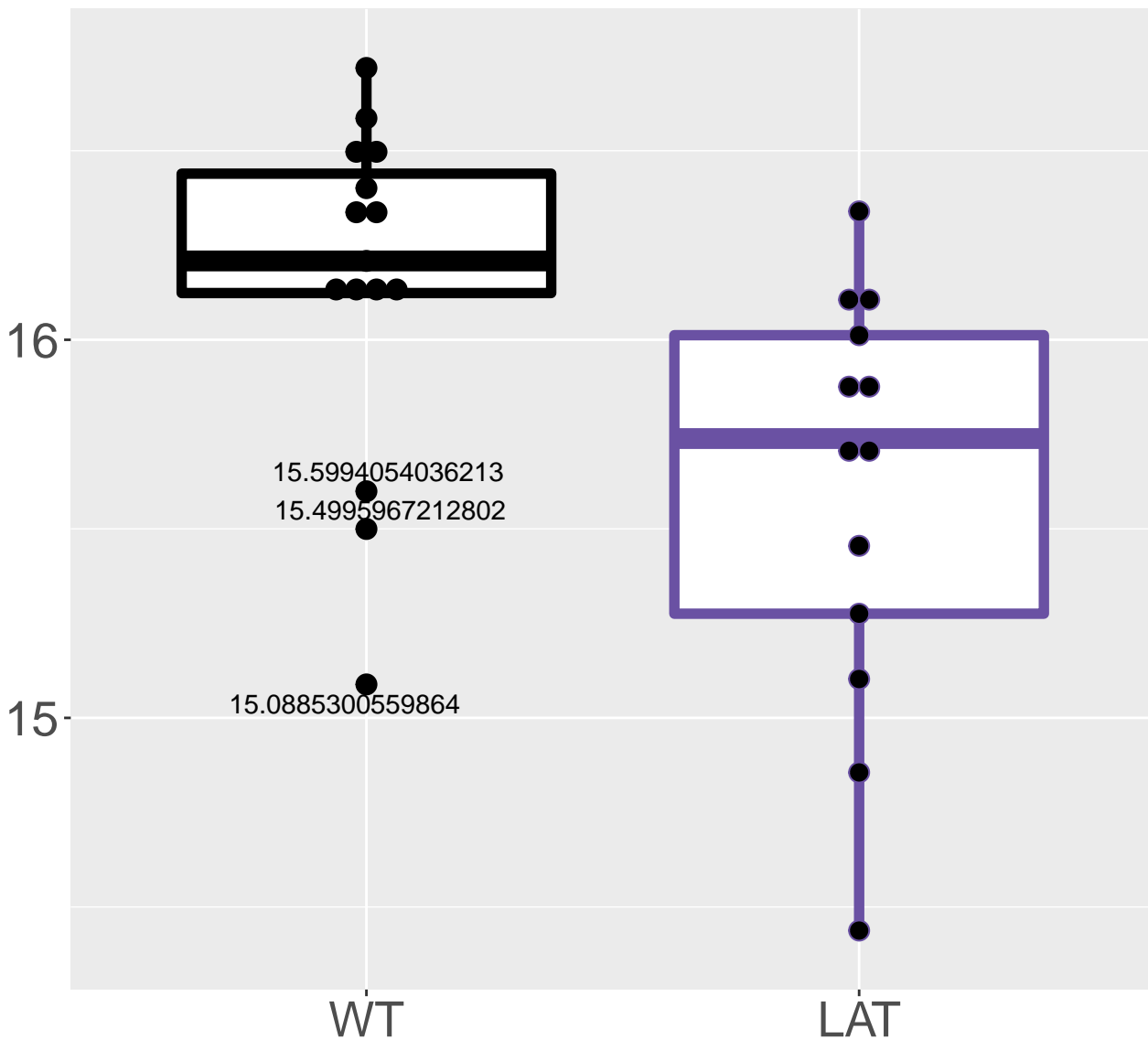


**M587.2663T487.59**

**FDR = 0.019, FC = 0.66, sex\***

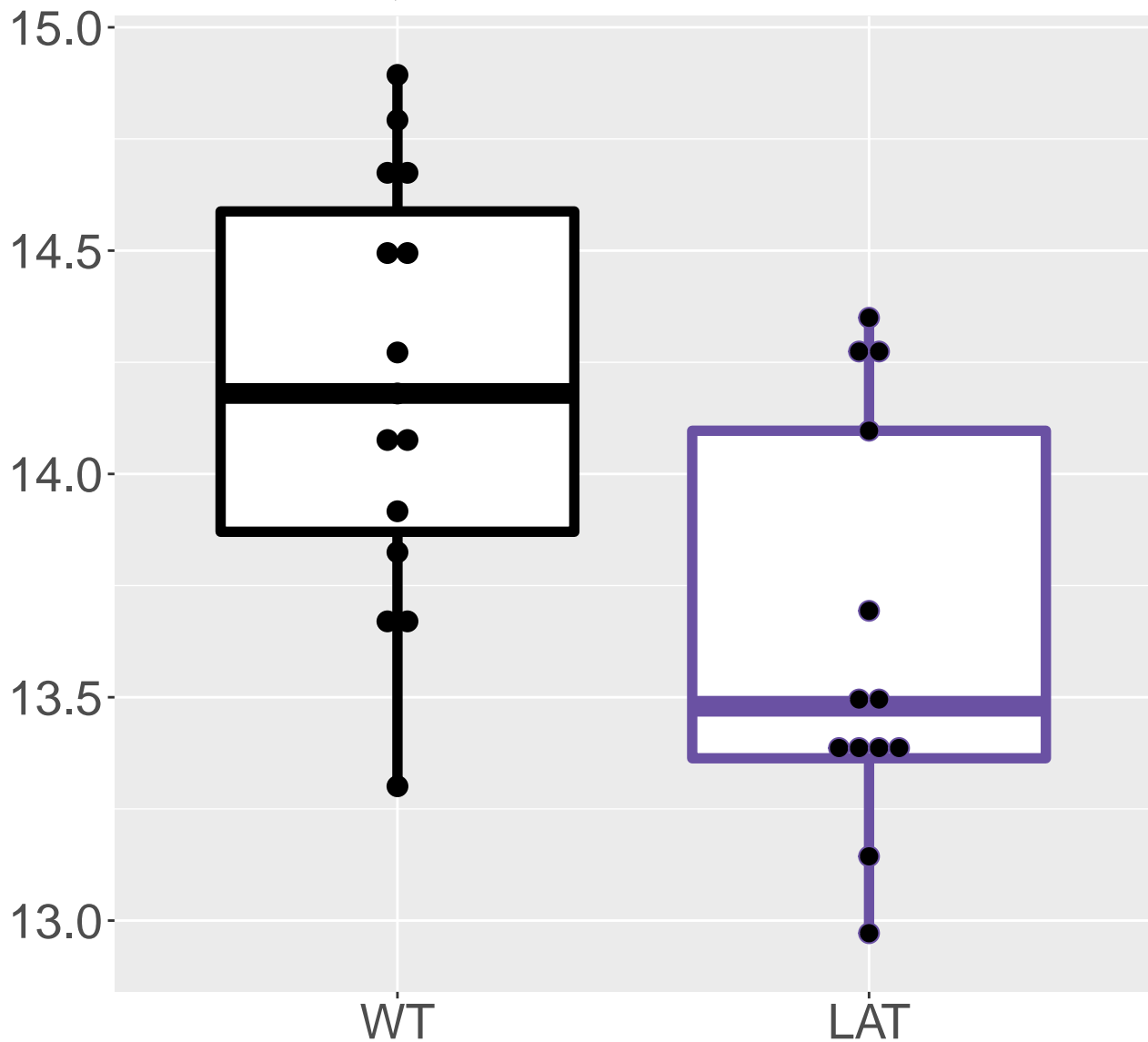


**FDR = 0.019, FC = -0.55**



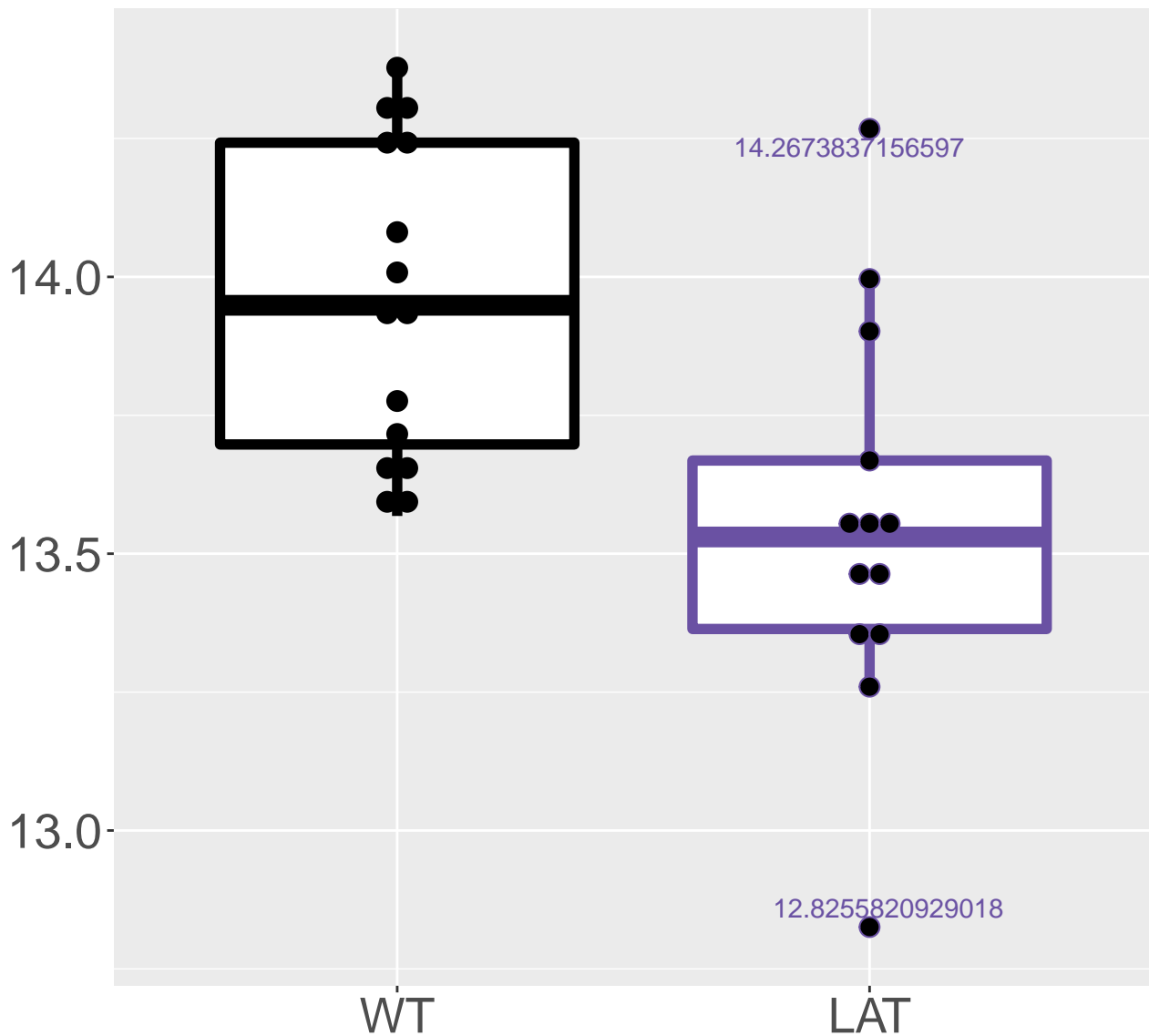
**M455.2039T117.35**

**FDR = 0.019, FC = -0.56**



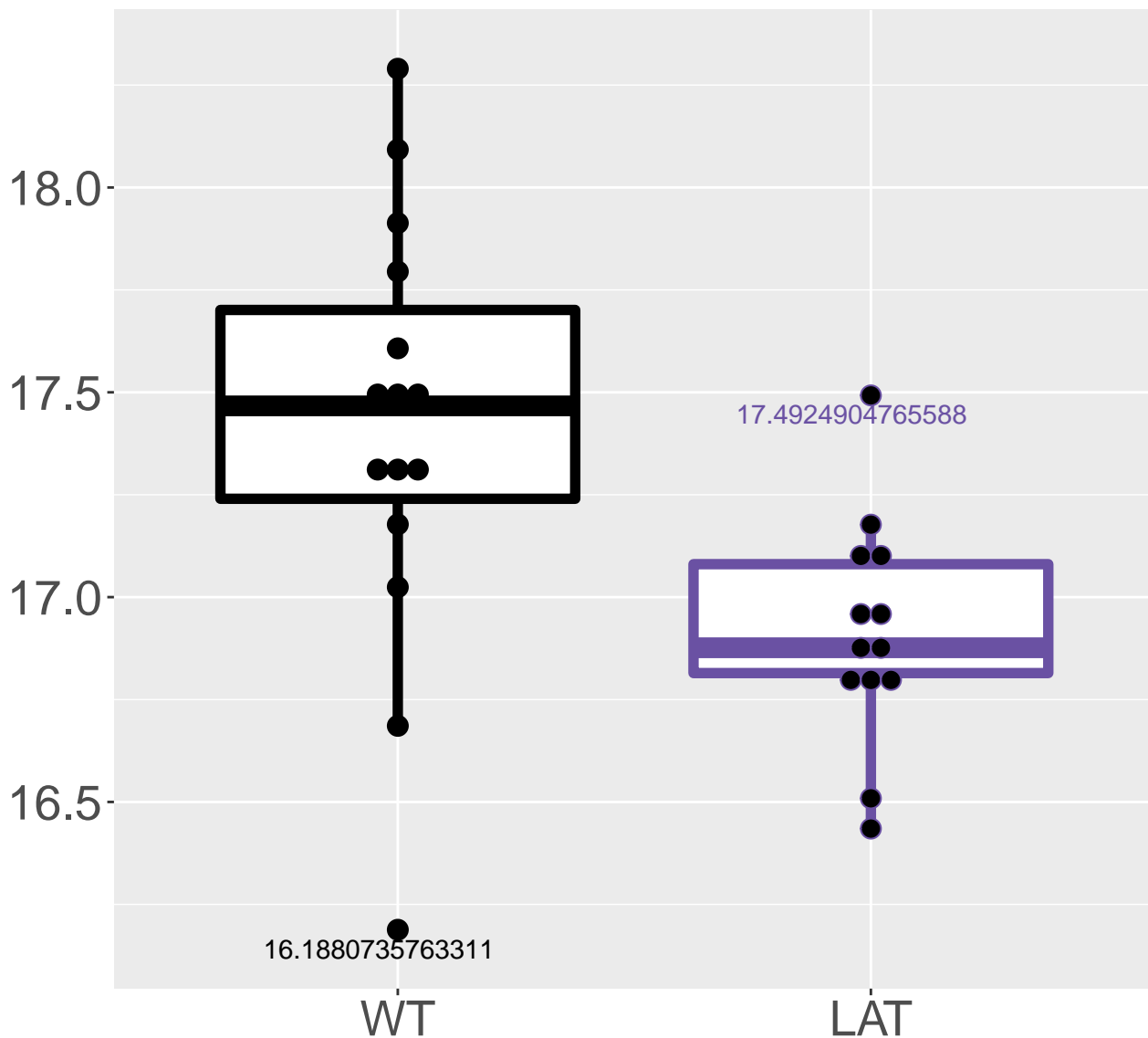
**M299.192T43.15**

**FDR = 0.019, FC = -0.41**

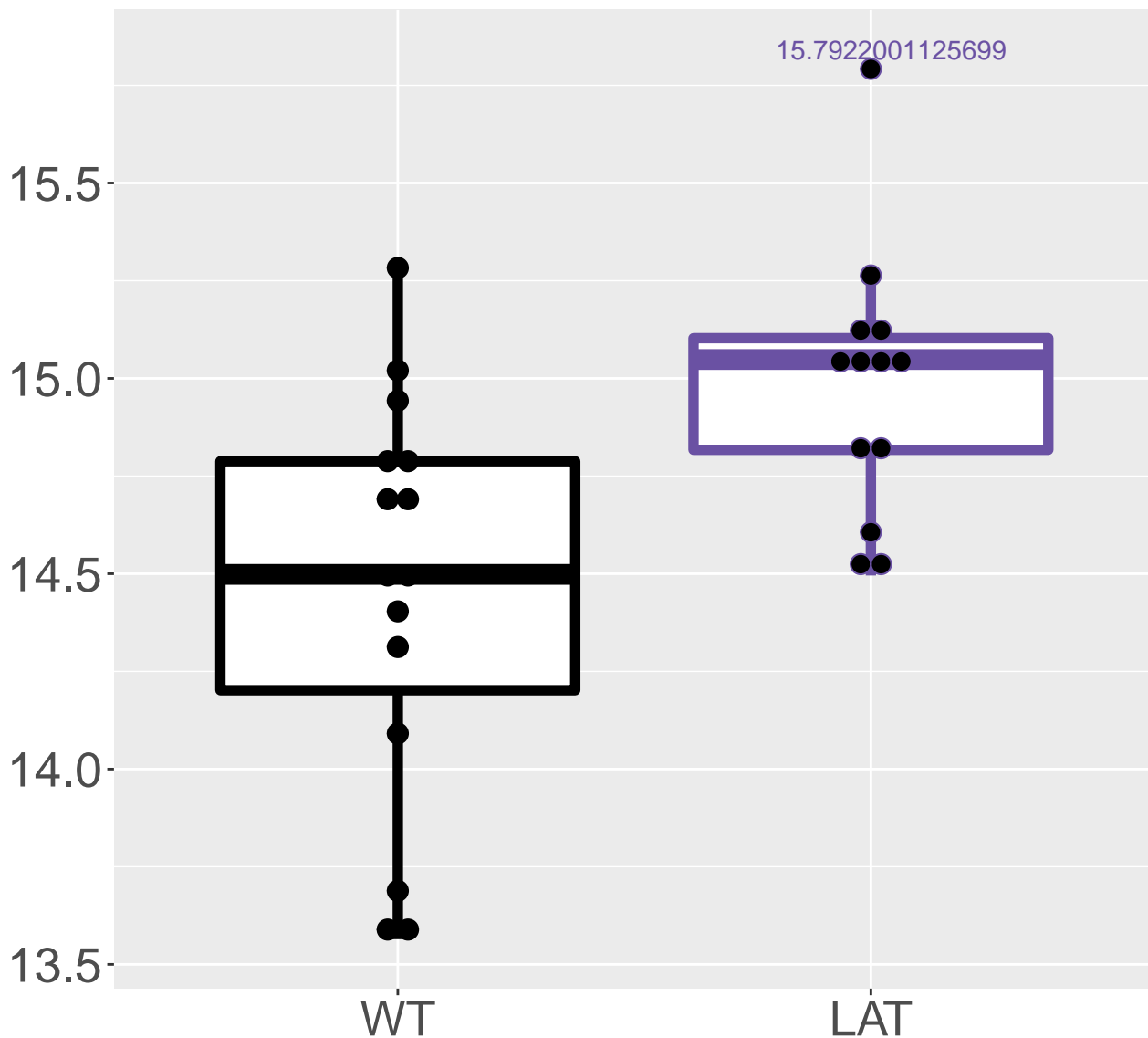




**M130.67T75.48\_9**  
**FDR = 0.019, FC = -0.5**

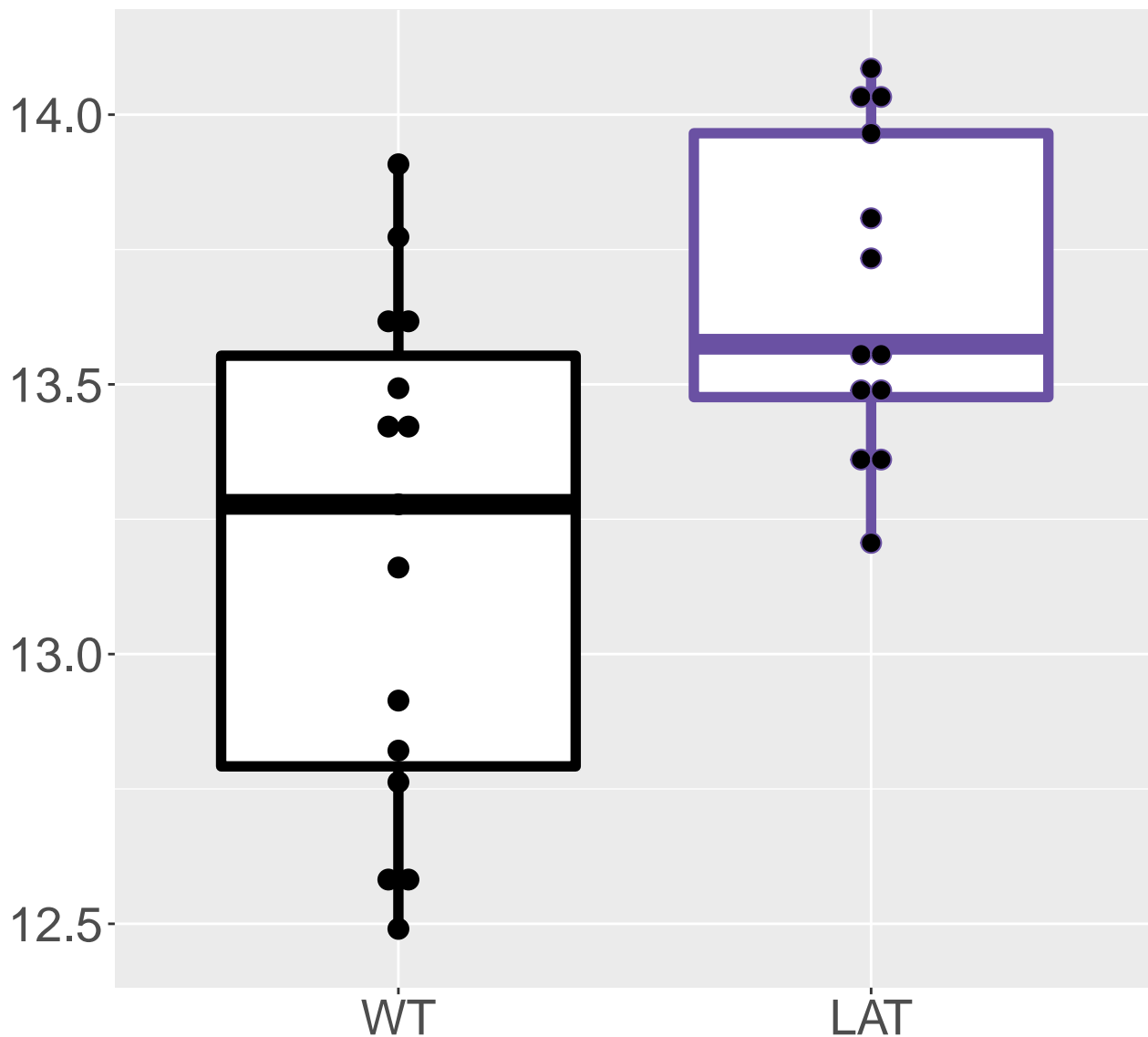


**M427.7356T126.21\_1**  
**FDR = 0.019, FC = 0.53**

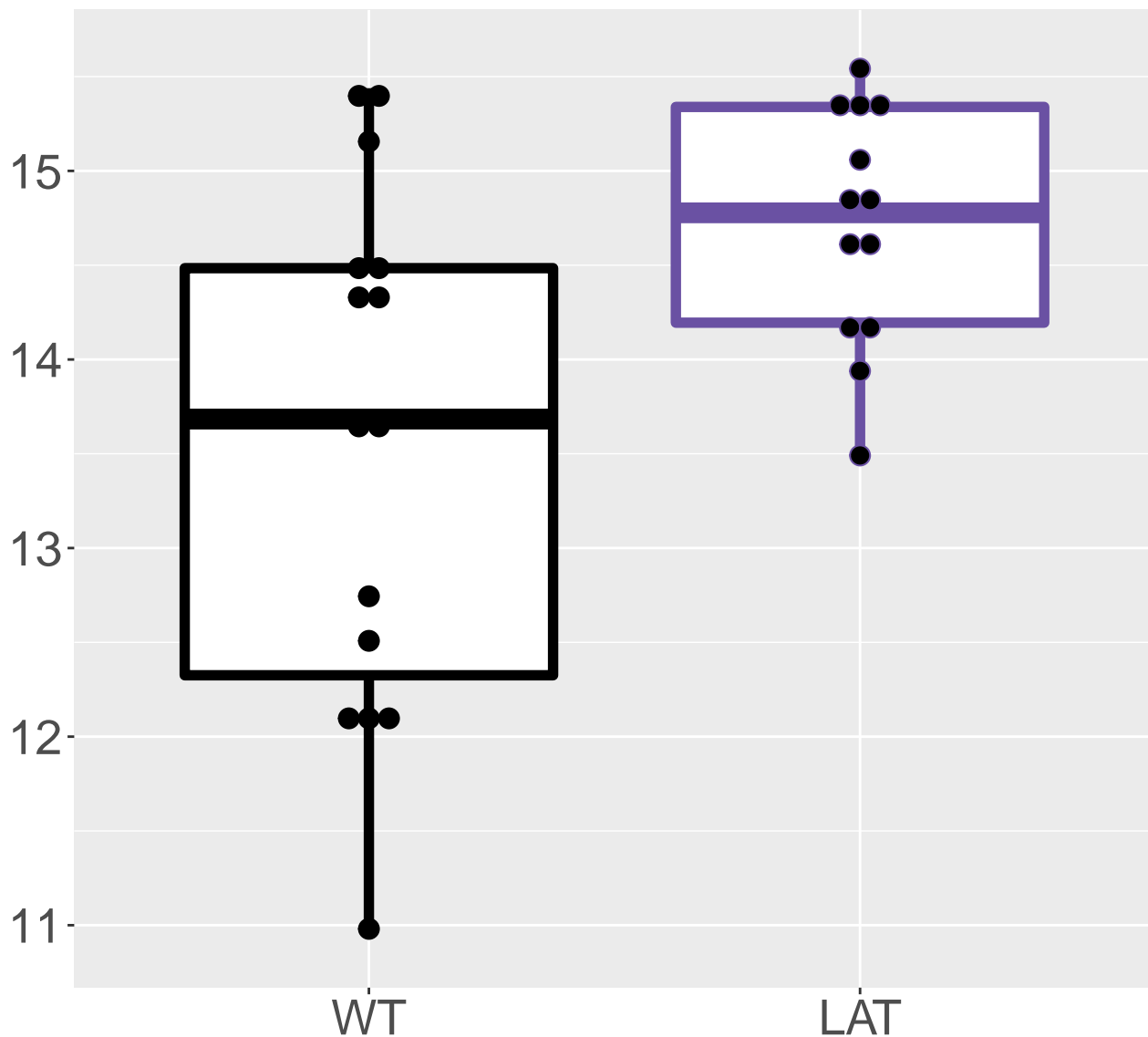


**M247.0759T99.62**

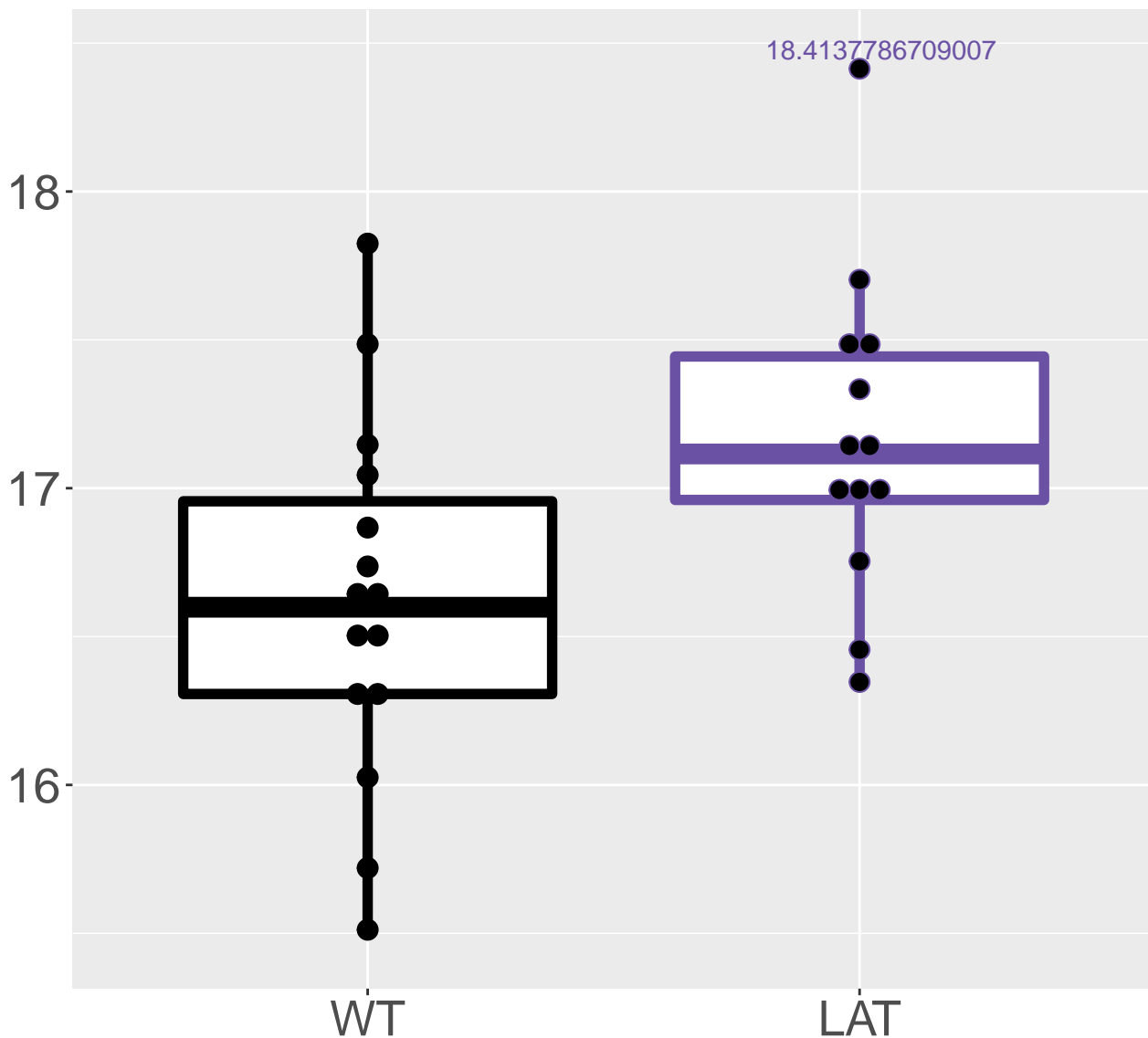
**FDR = 0.019, FC = 0.48**



**M592.8145T236.47\_1**  
**FDR = 0.019, FC = 1.2**

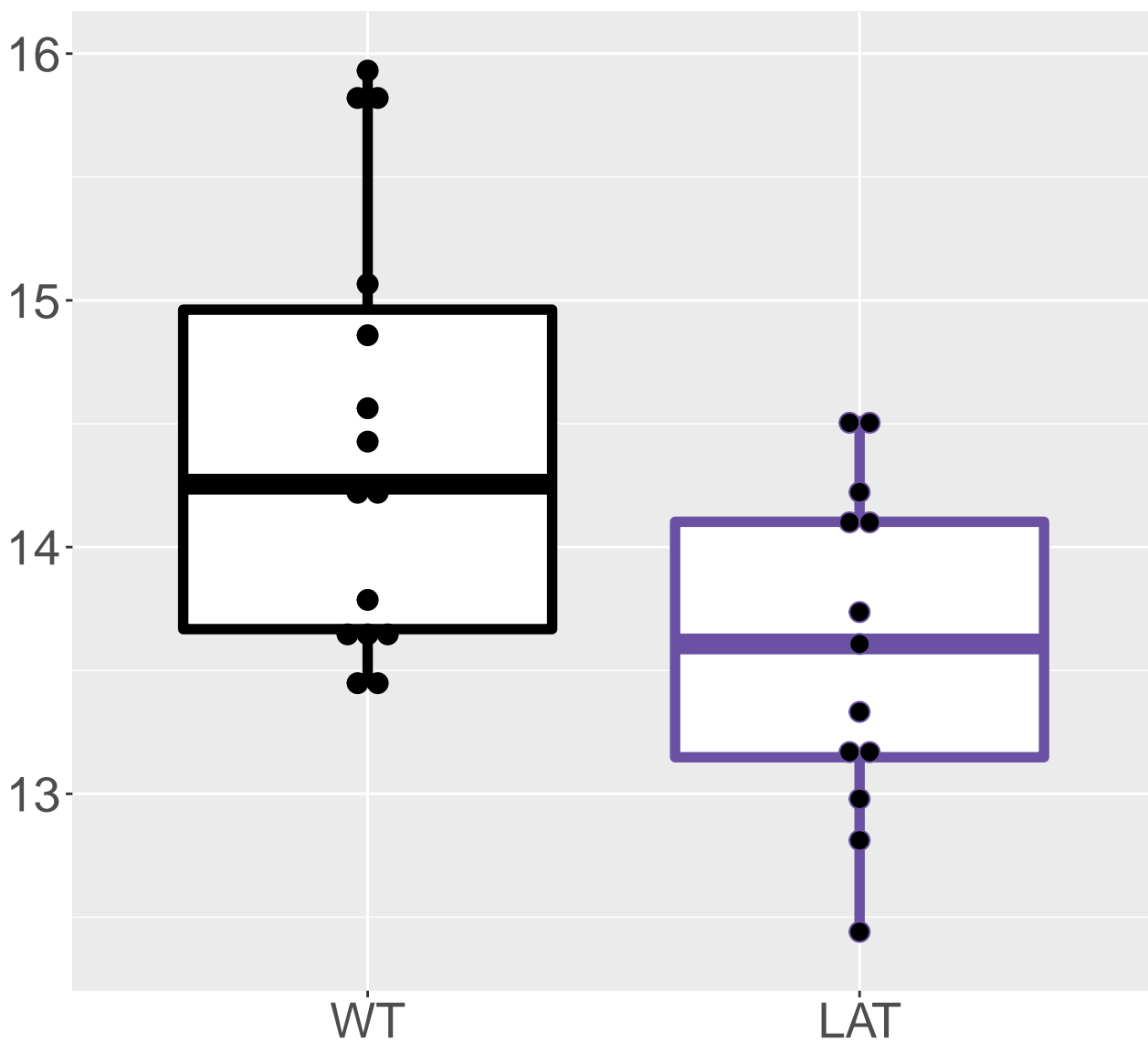


**M594.4378T298.37\_3**  
**FDR = 0.019, FC = 0.55**

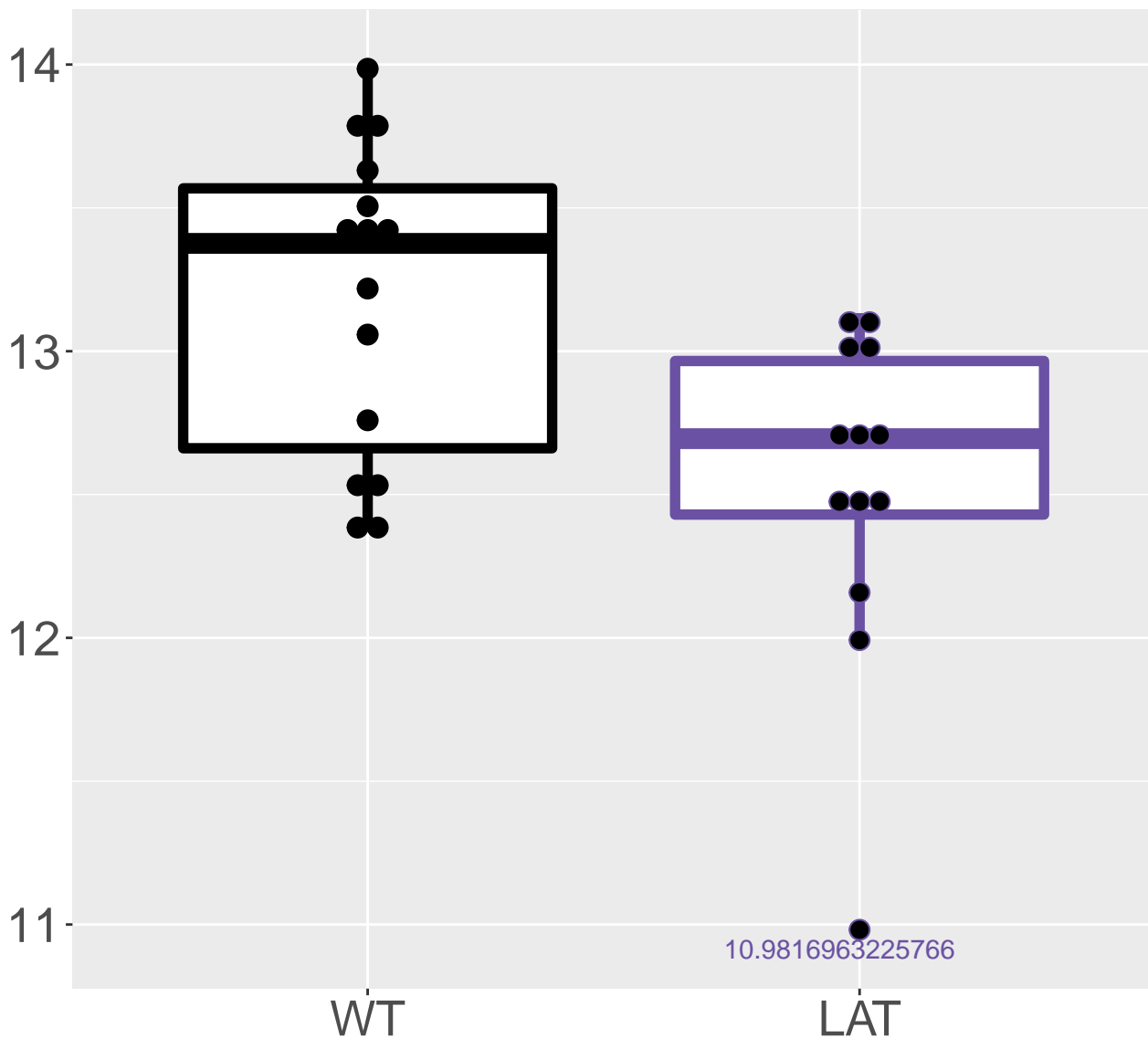


**M602.3109T482.8**

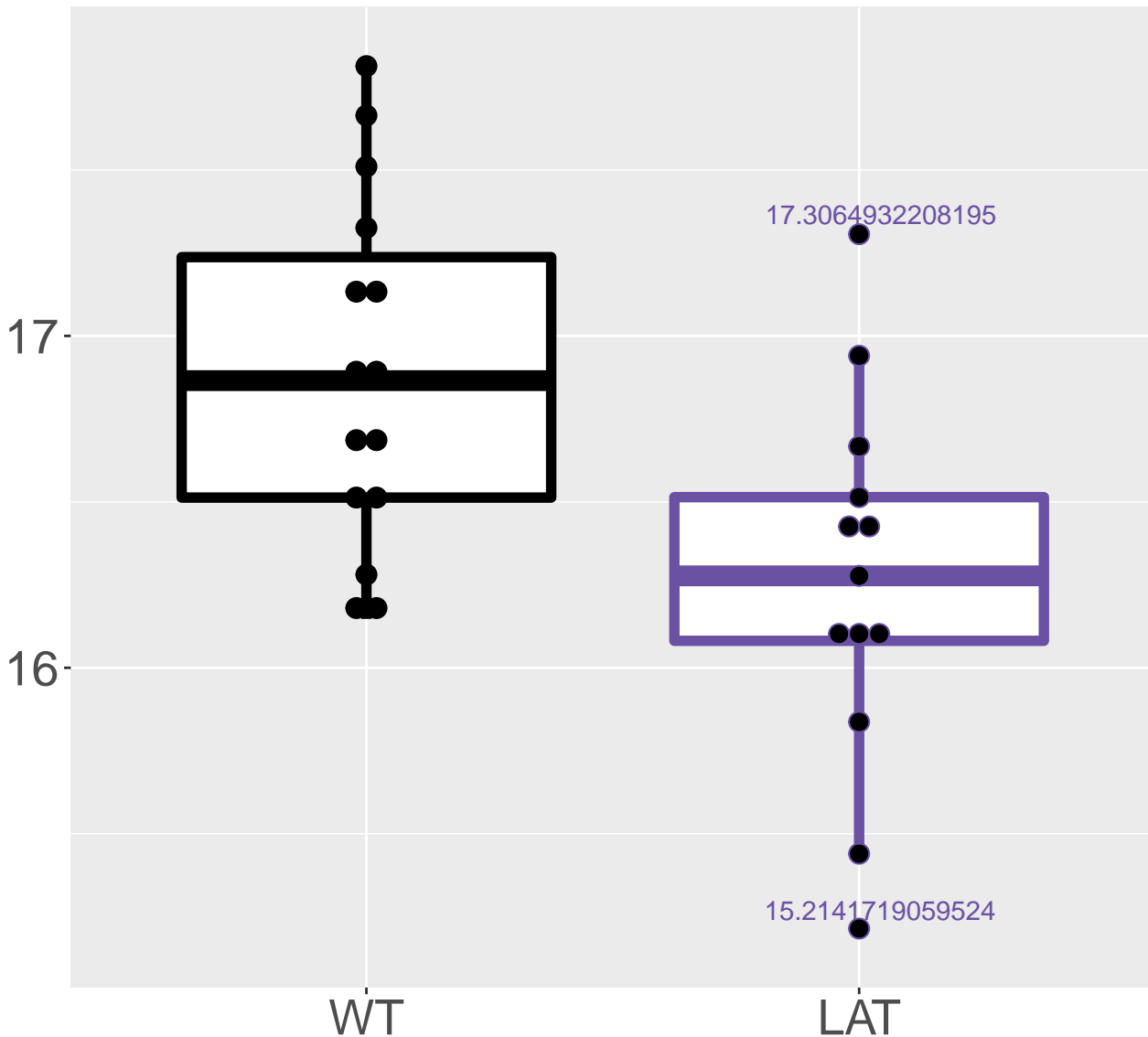
**FDR = 0.019, FC = -0.85**



**M208.5837T229.24\_1**  
**FDR = 0.019, FC = -0.66**

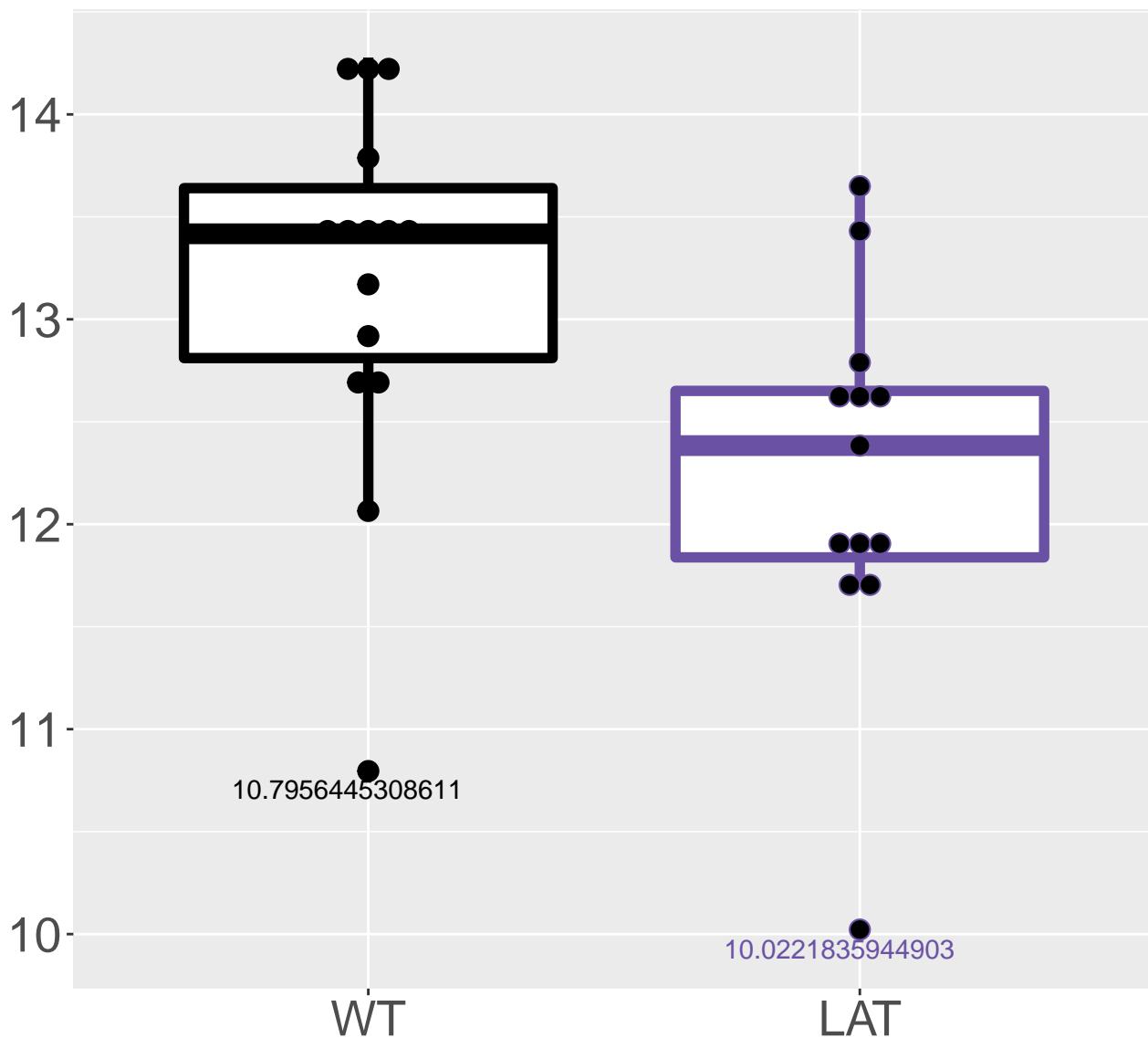


**M130.1237T75.46\_34**  
**FDR = 0.019, FC = -0.63**



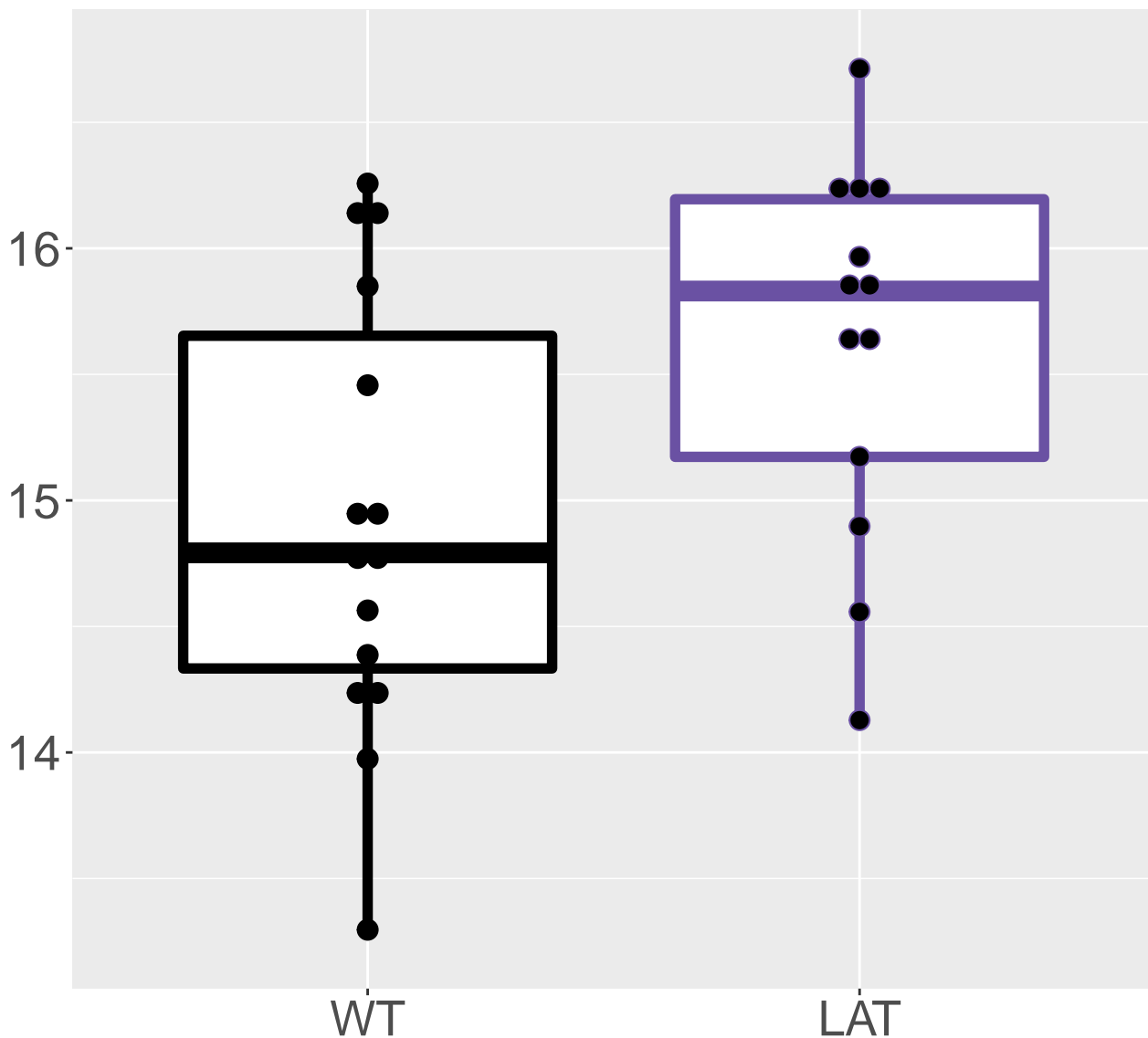


**M365.2088T258.28\_2**  
**FDR = 0.019, FC = -0.94**



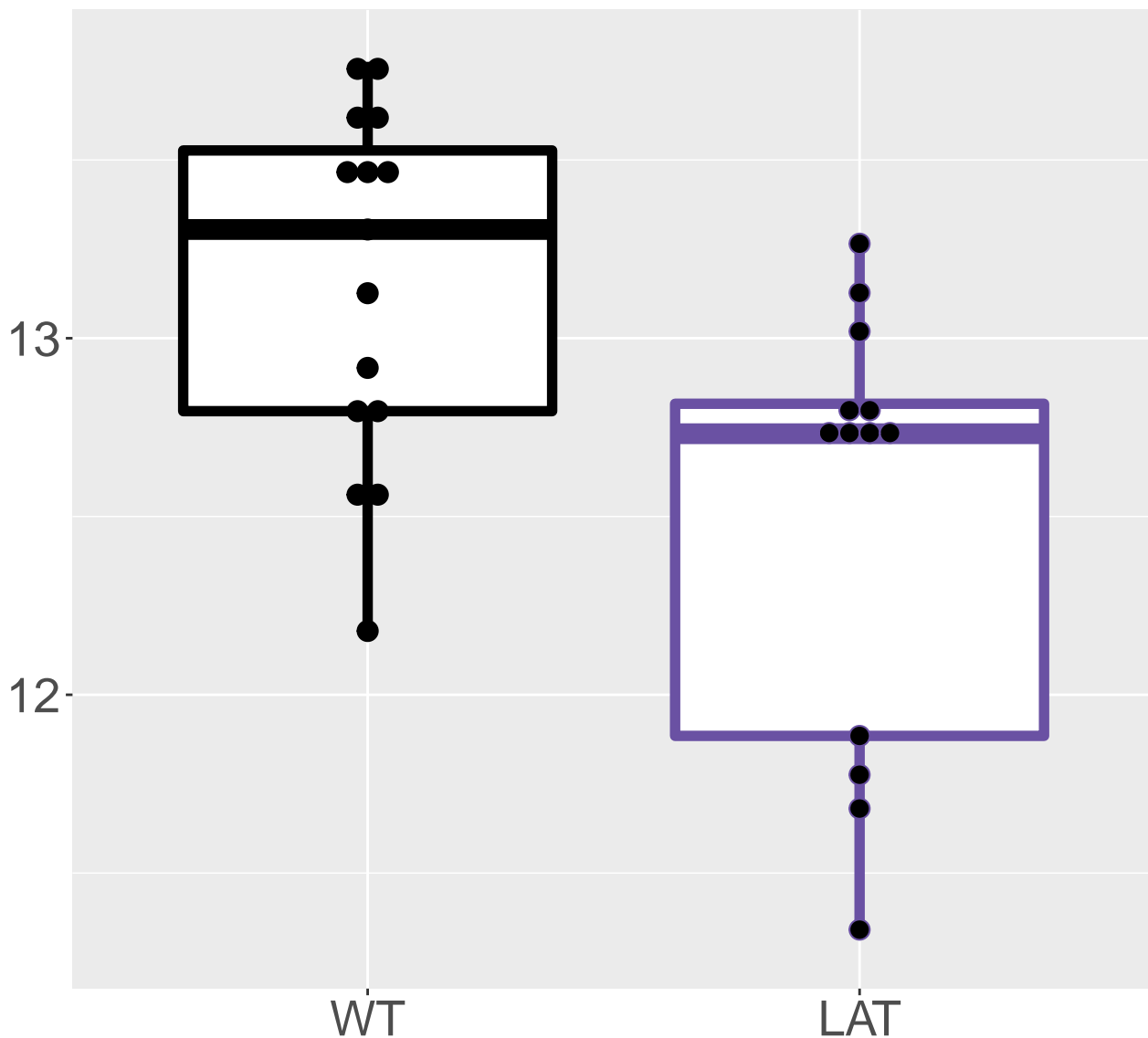
**M355.112T50.59**

**FDR = 0.019, FC = 0.7, sex\*\*\***



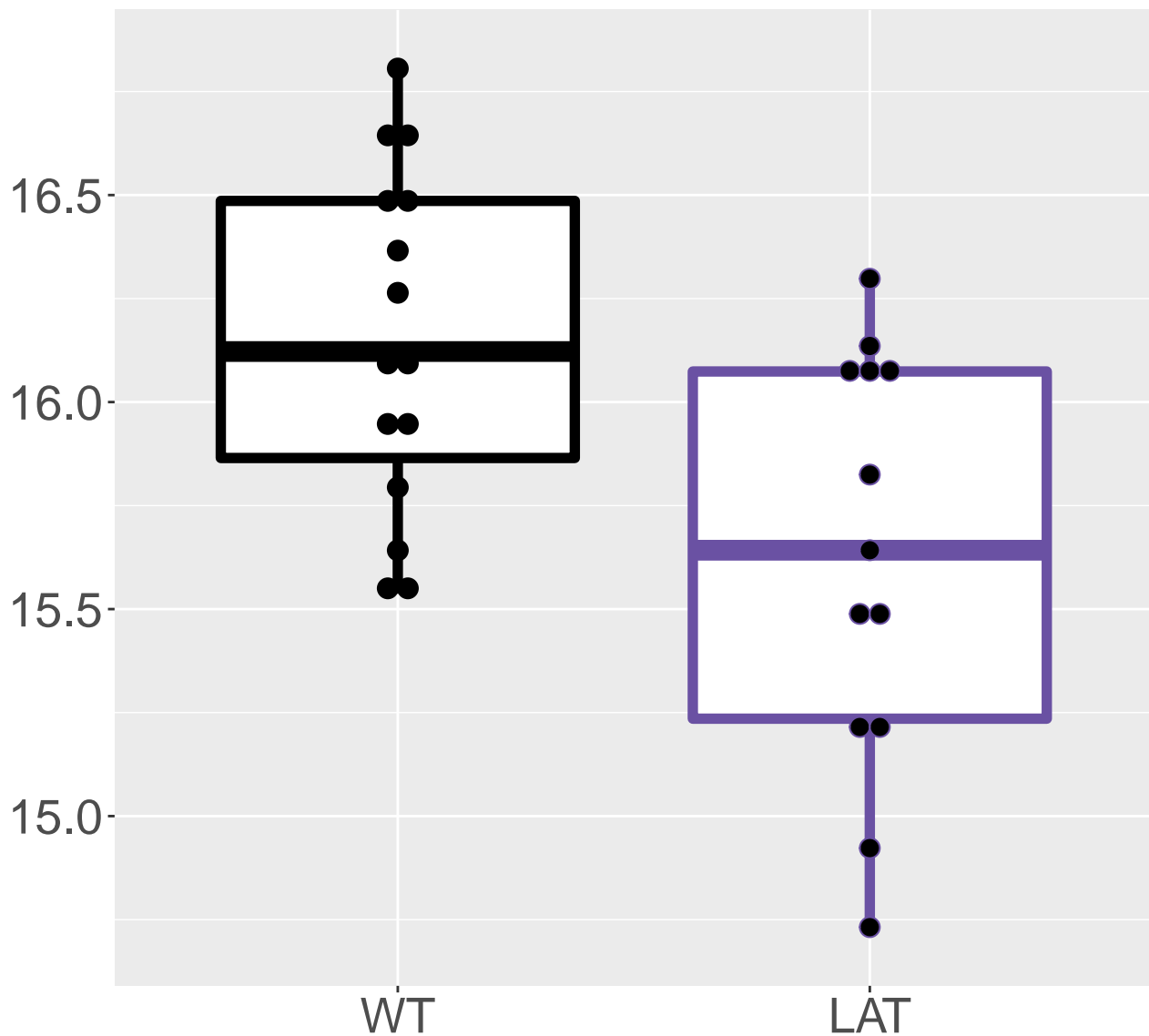
**M539.403T296.69\_3**

**FDR = 0.019, FC = -0.65**

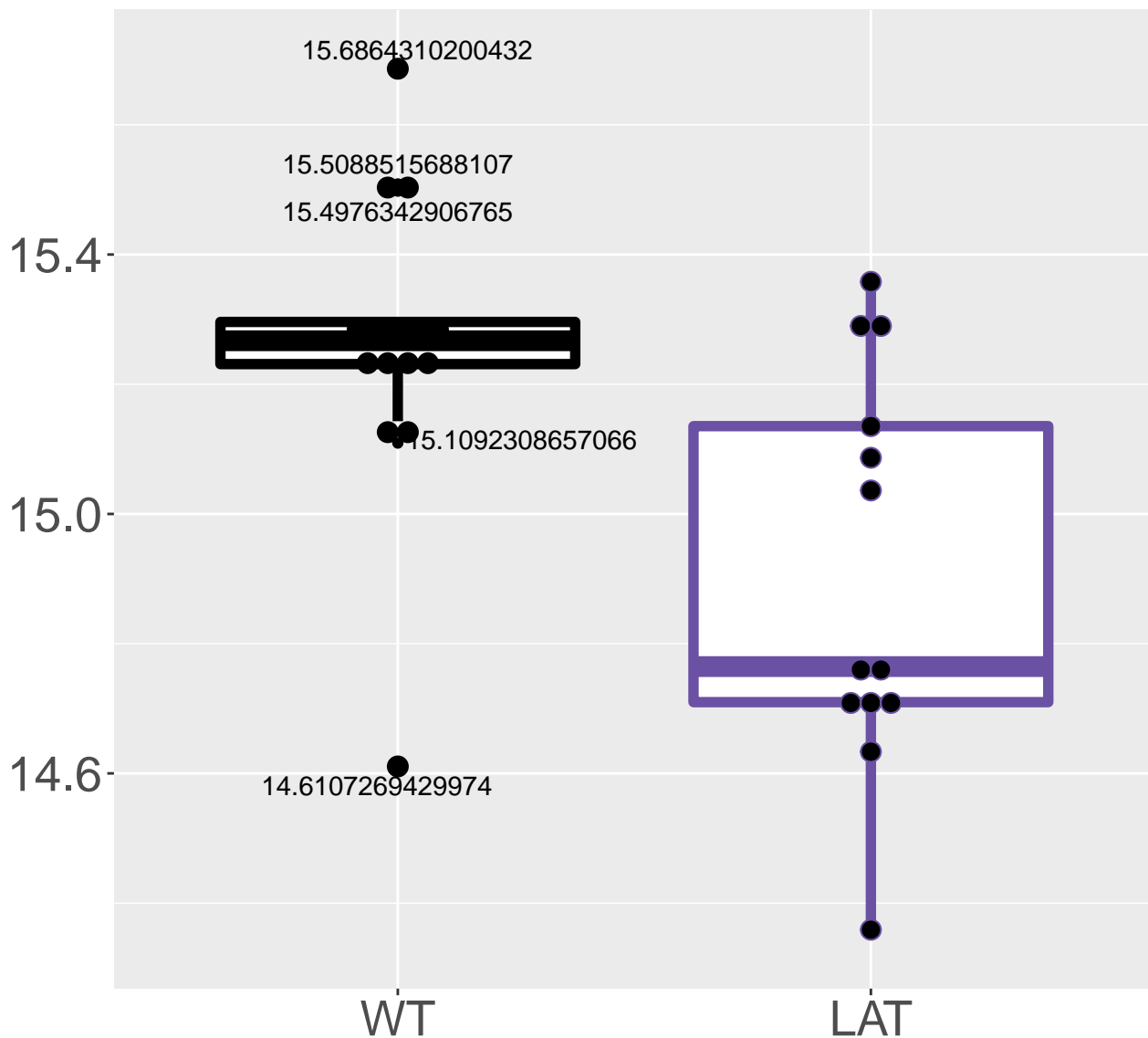


**M169.5737T113.11\_4**

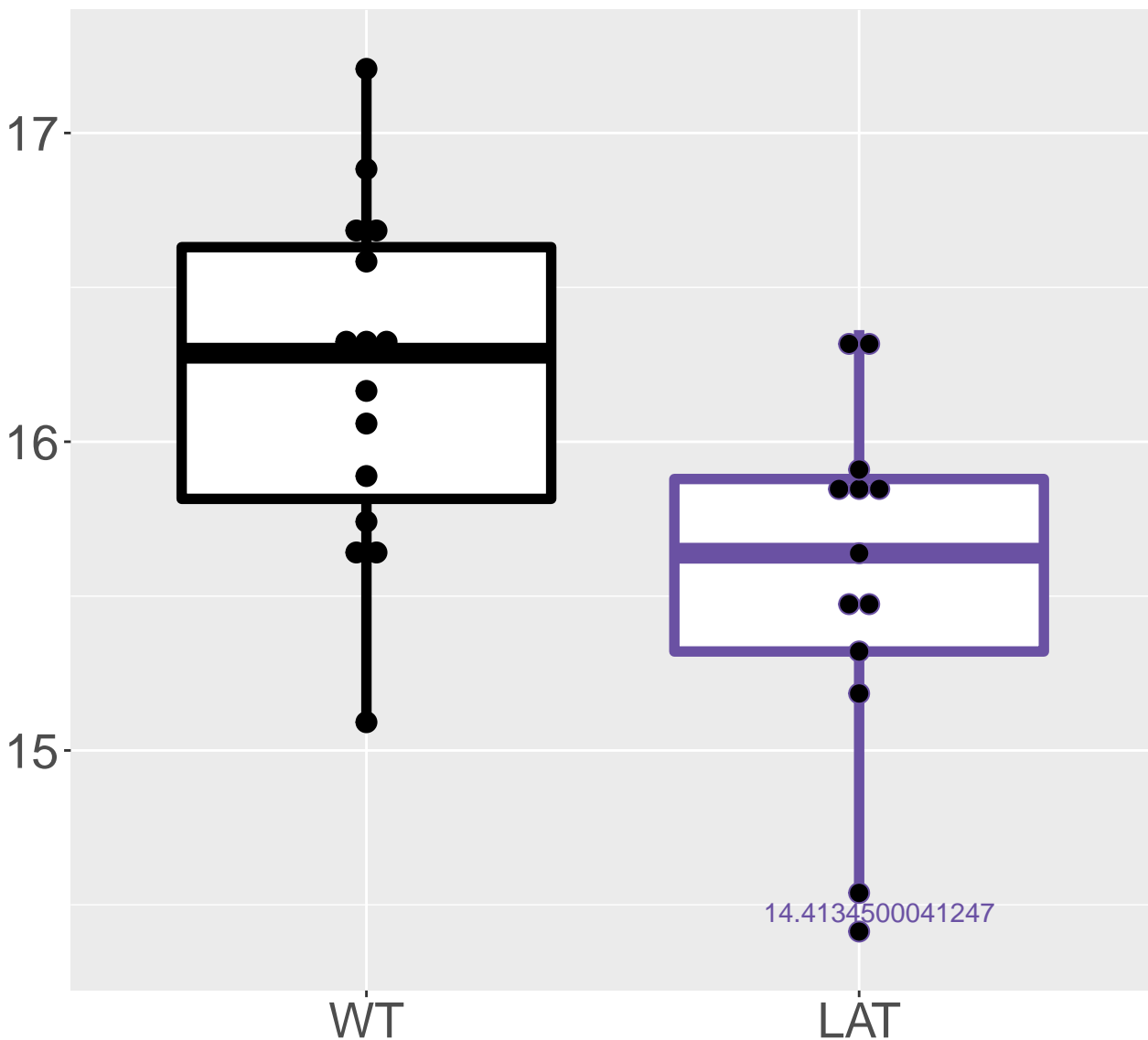
**FDR = 0.019, FC = -0.52**



**M168.7797T38.65\_1**  
**FDR = 0.019, FC = -0.35**

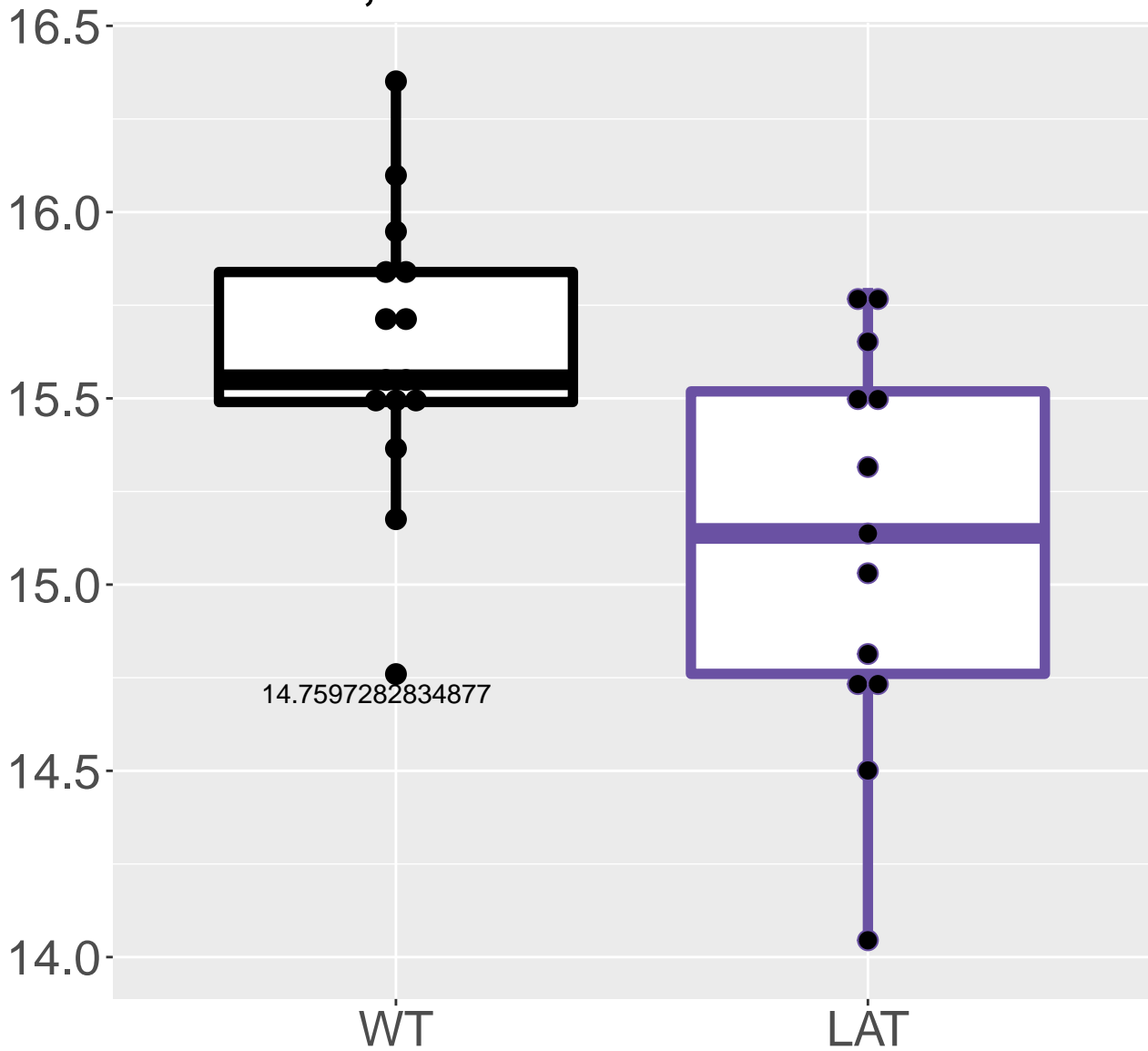


**M166.893T113.12\_20**  
**FDR = 0.02, FC = -0.67**



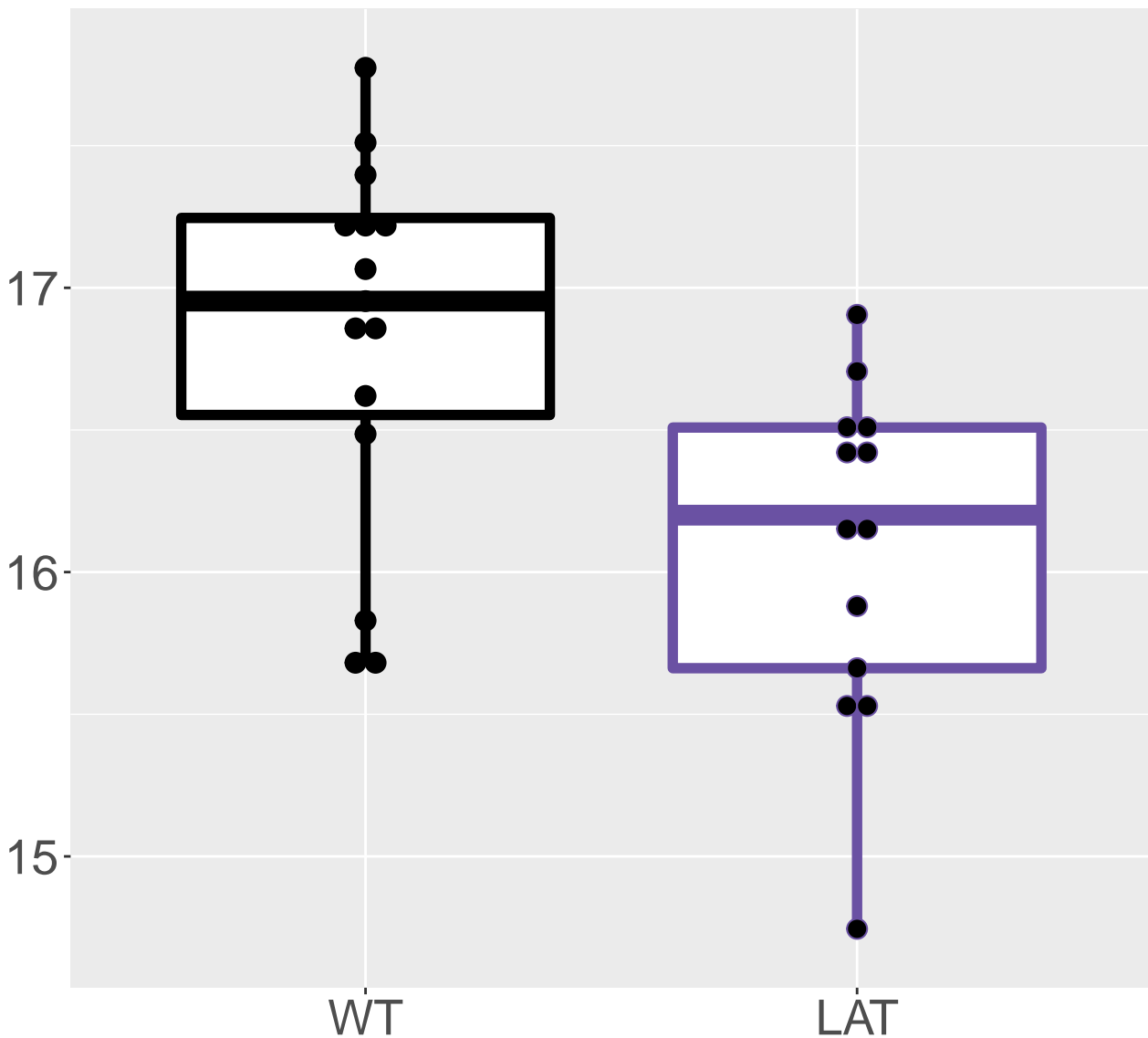
**M158.8269T113.21 13**

**FDR = 0.02, FC =  $\bar{-0.51}$**



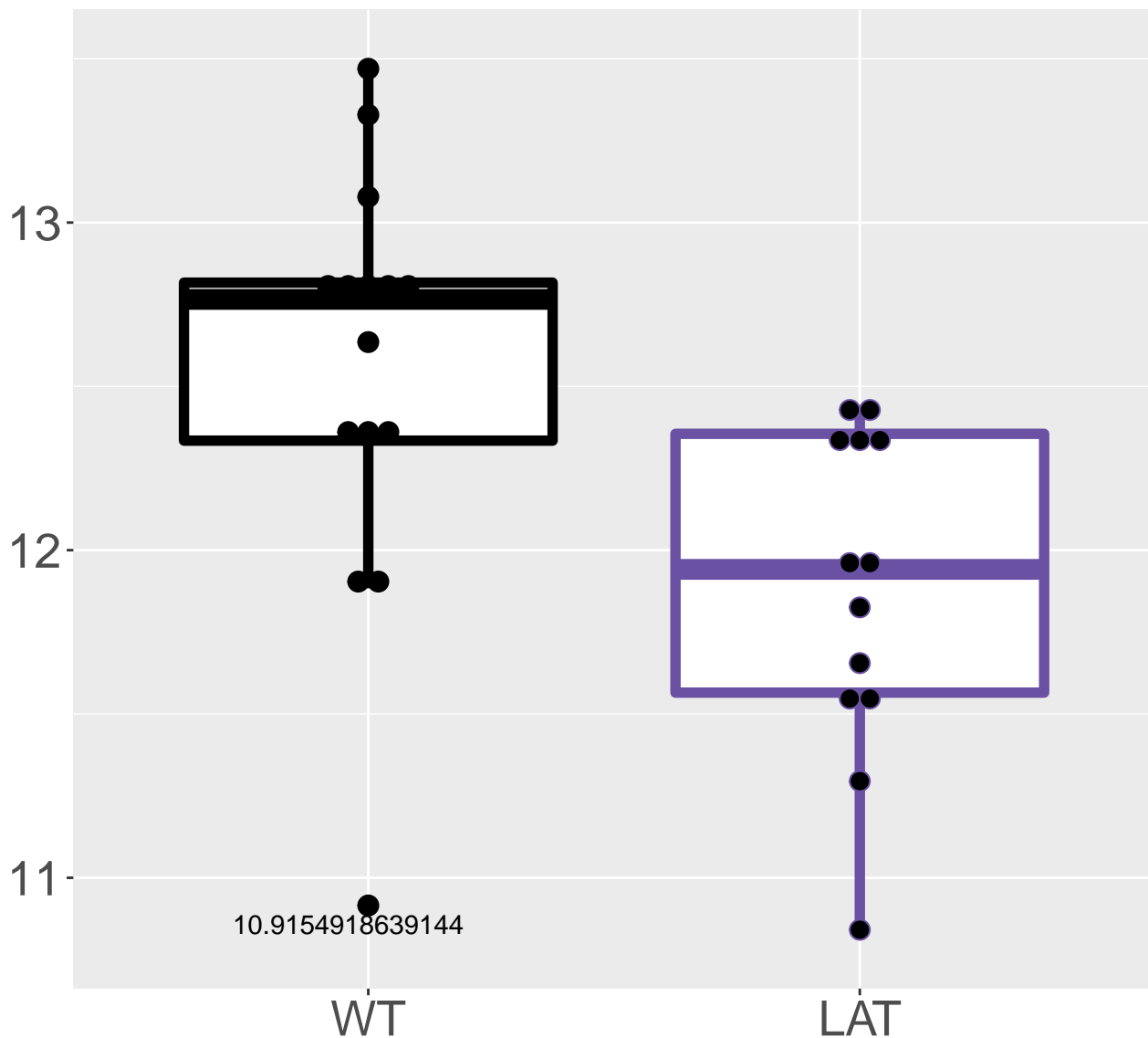
**M129.5335T75.49\_3**

**FDR = 0.02, FC = -0.74**

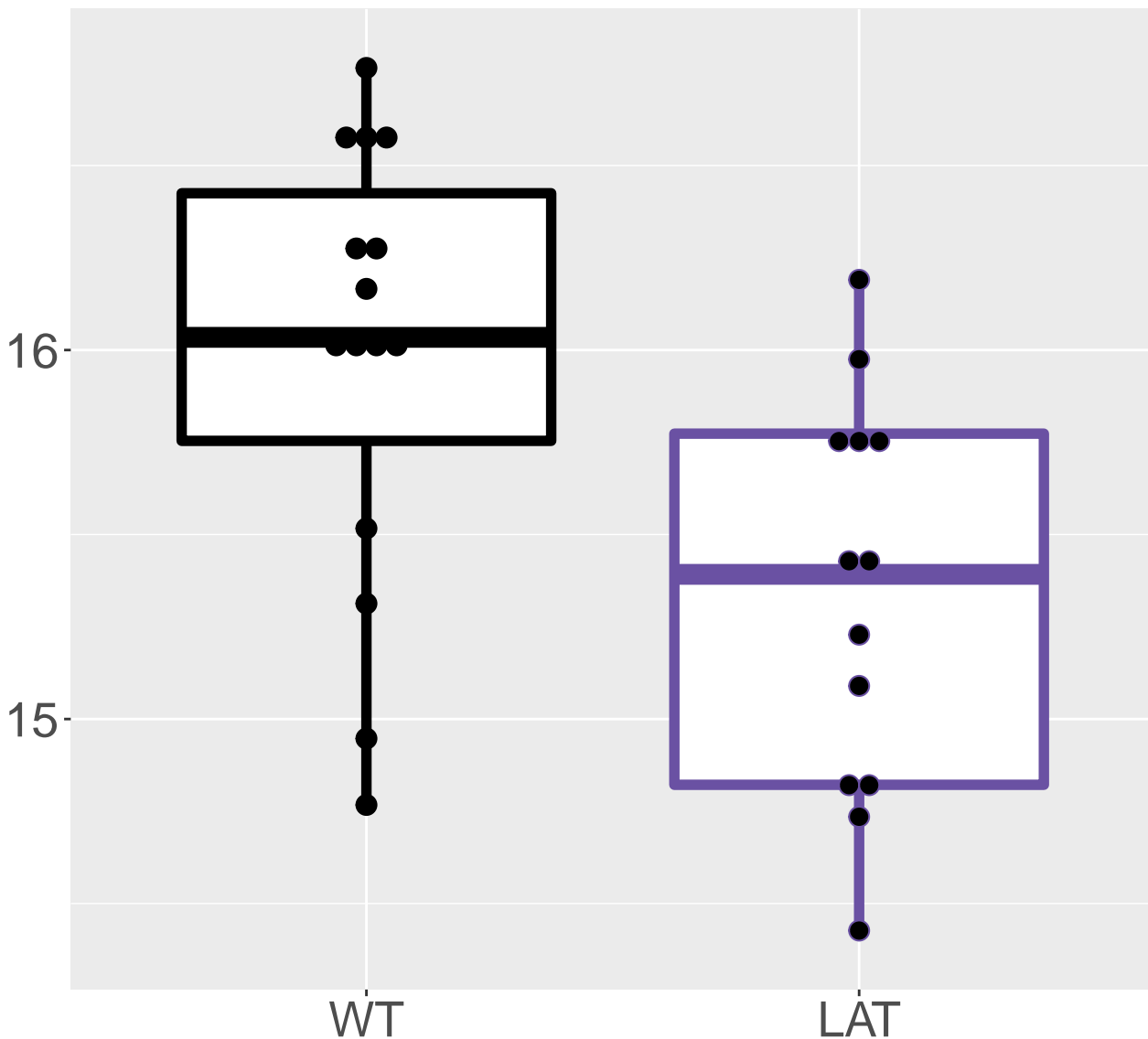




**M527.0173T285.83\_2**  
**FDR = 0.02, FC = -0.66**

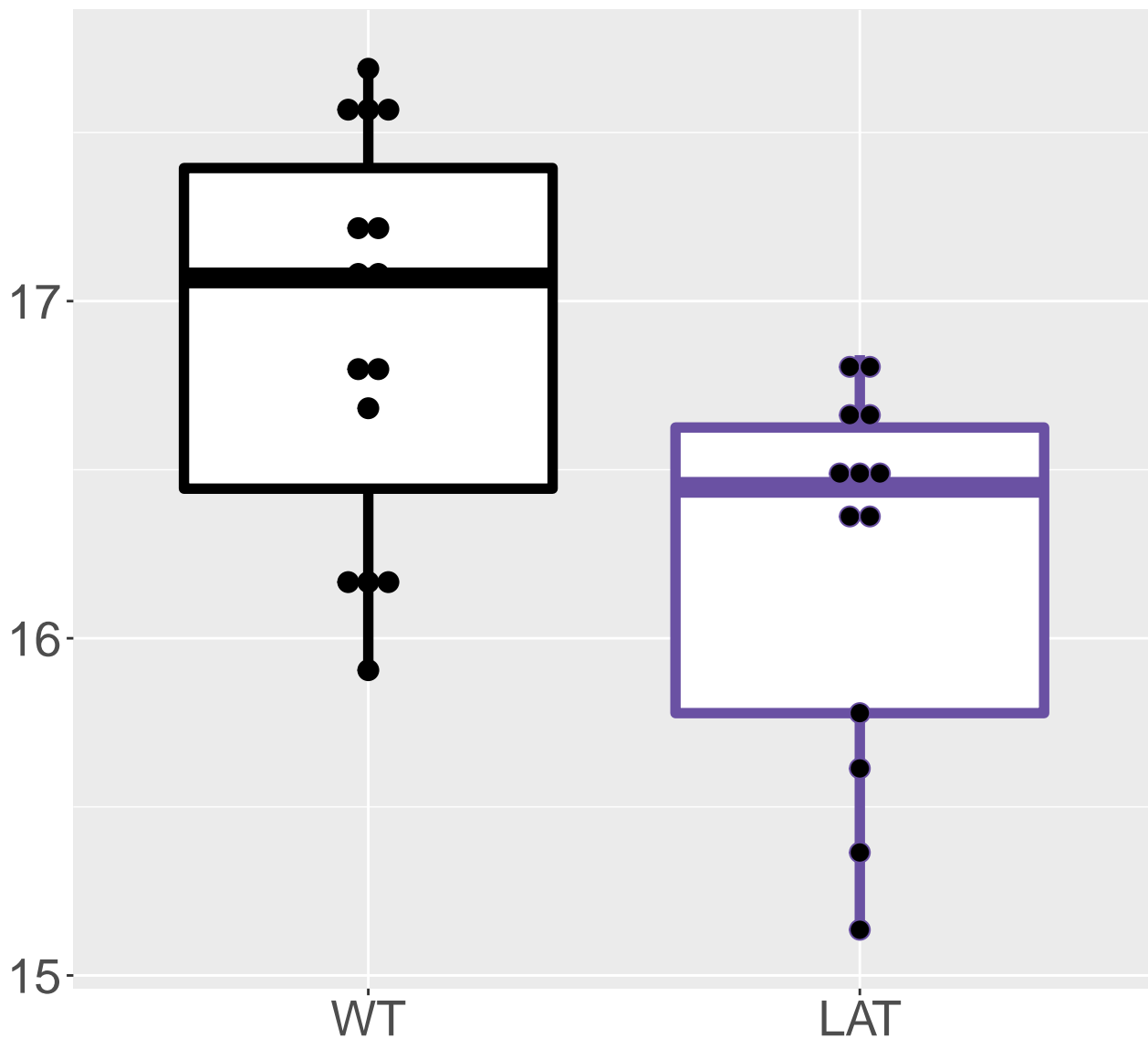


**M169.4215T113.24\_45**  
**FDR = 0.02, FC = -0.65**

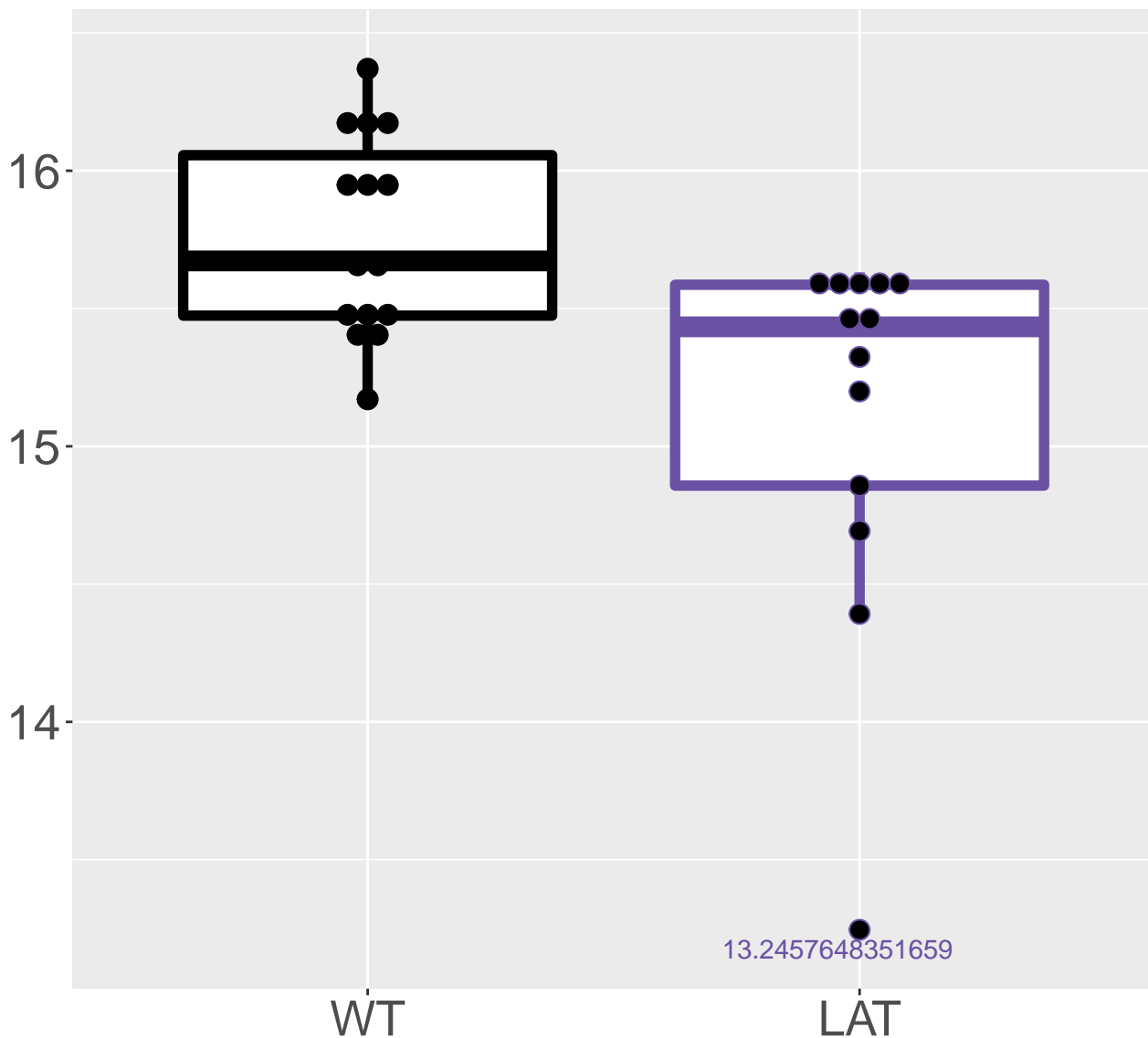


**M129.993T75.39\_27**

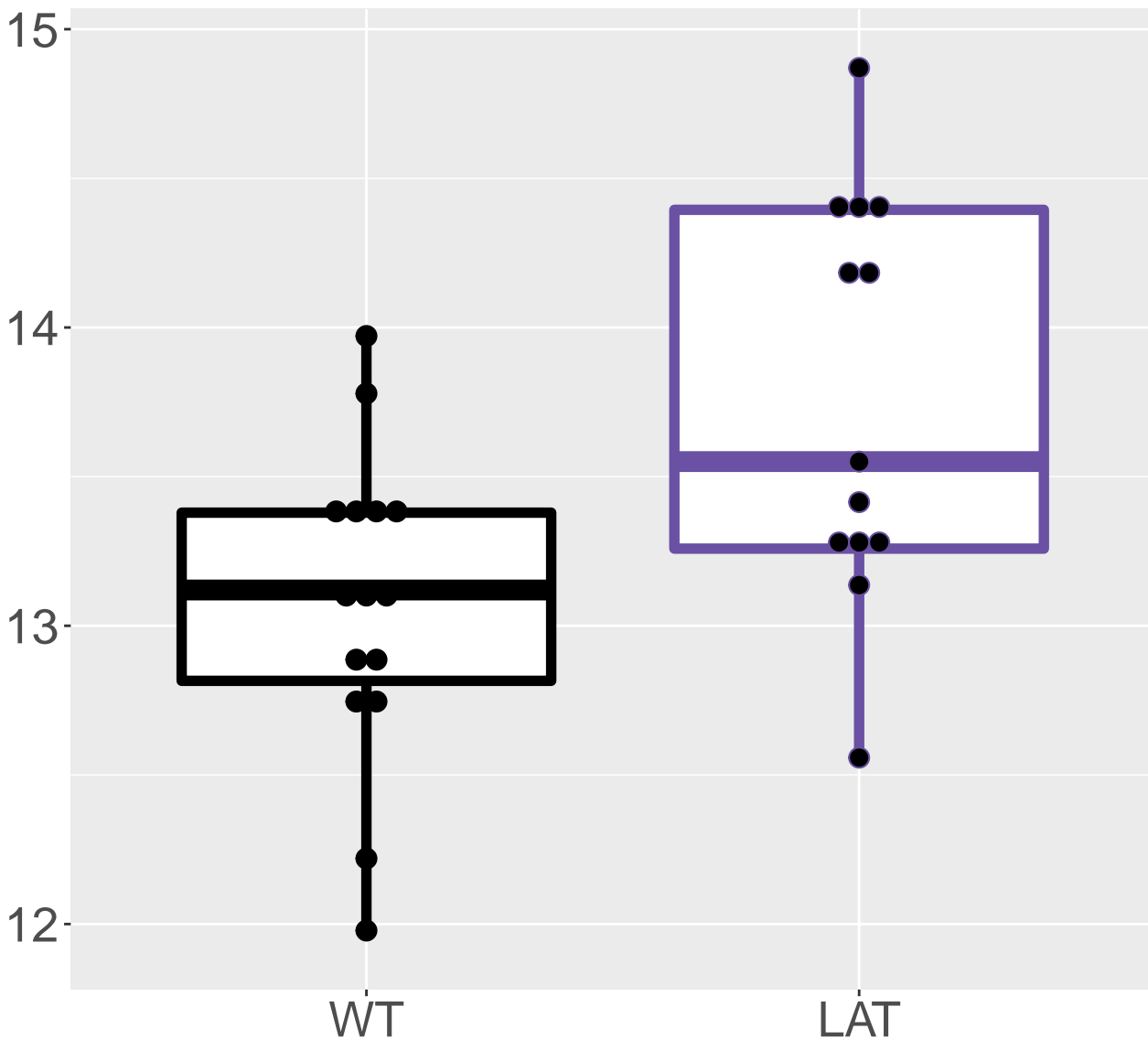
**FDR = 0.02, FC = -0.68**



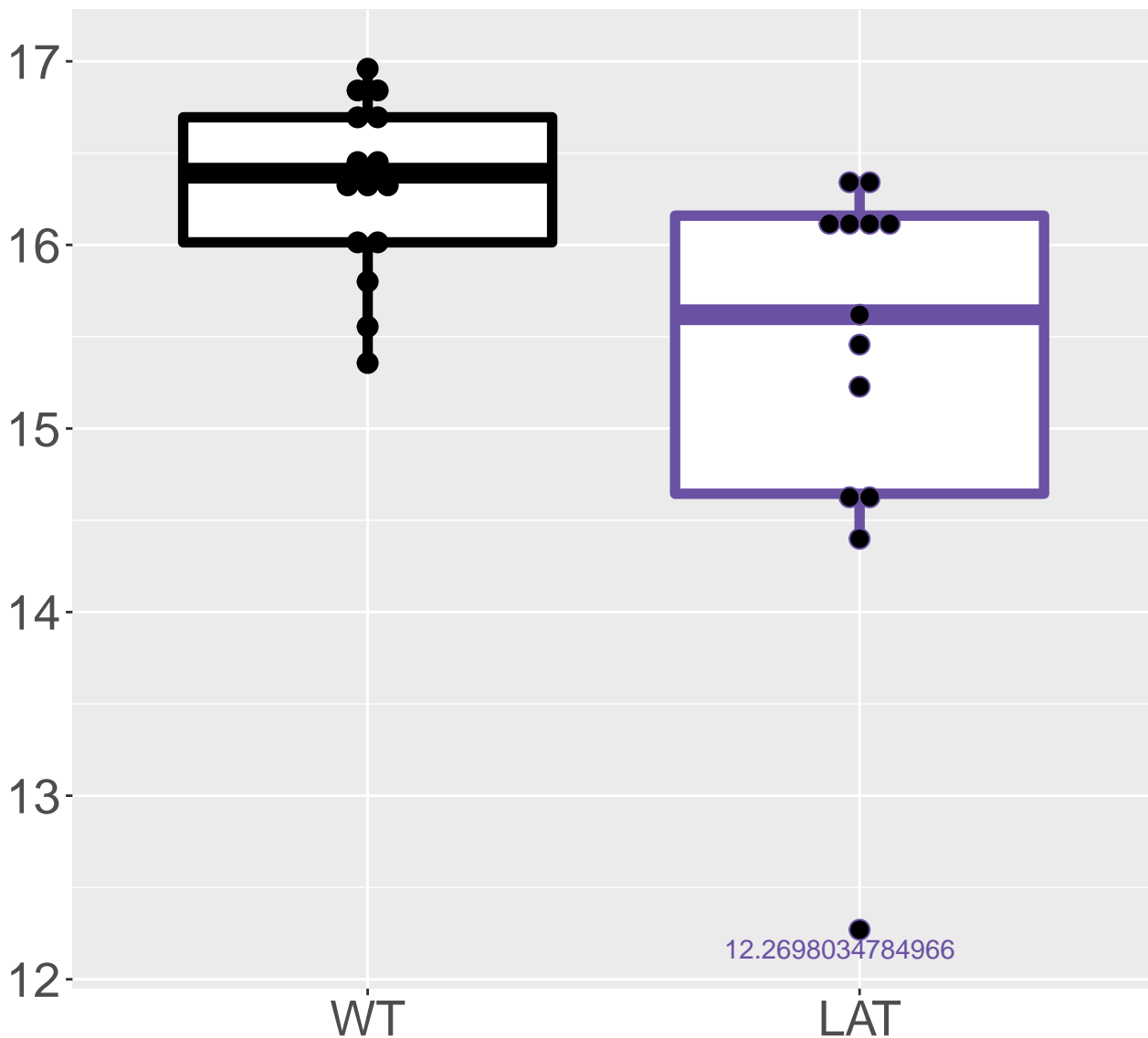
**M160.4393T113.15\_42**  
**FDR = 0.02, FC = -0.64**



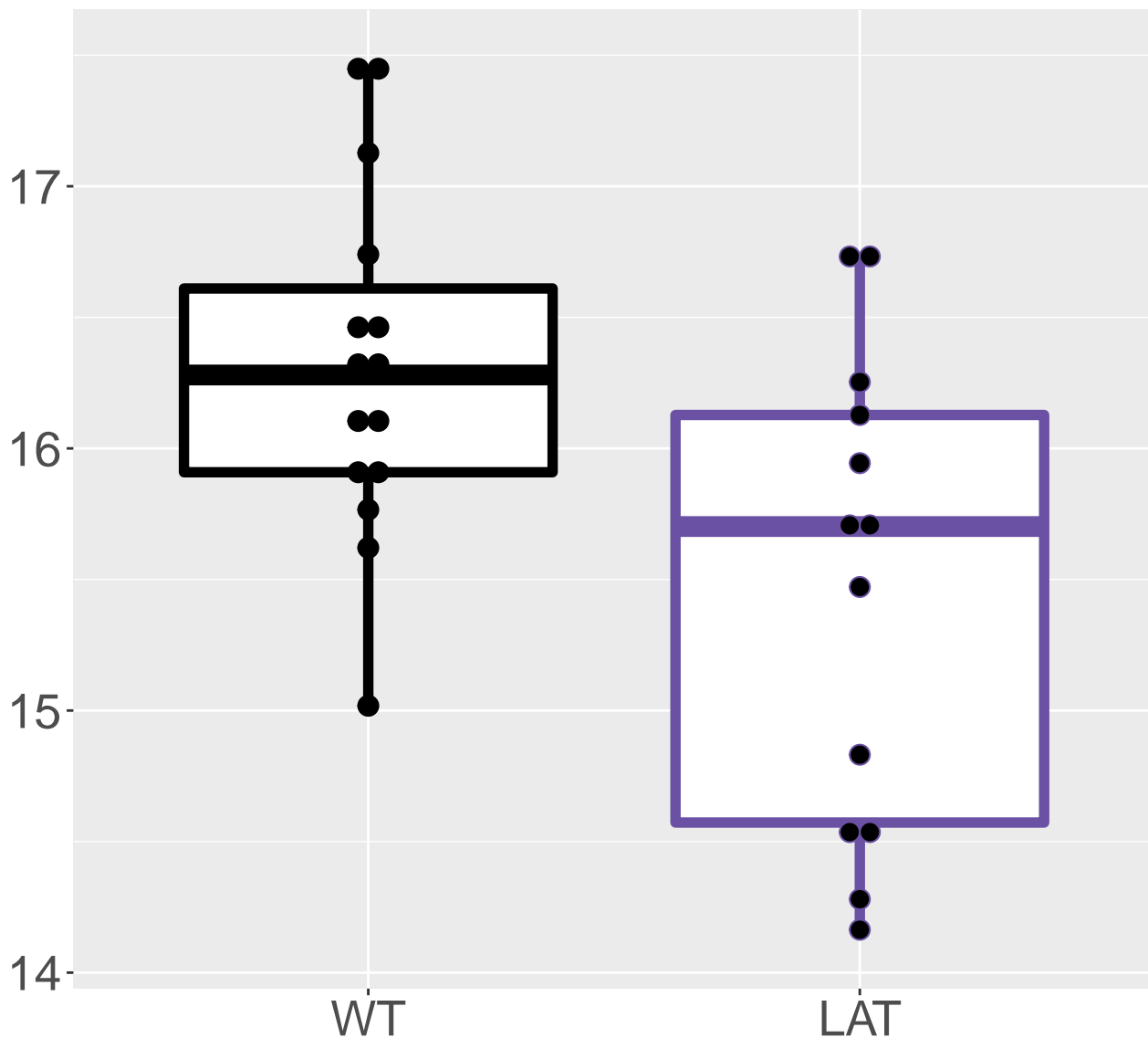
**M146.0639T250.57**  
**FDR = 0.02, FC = 0.69**



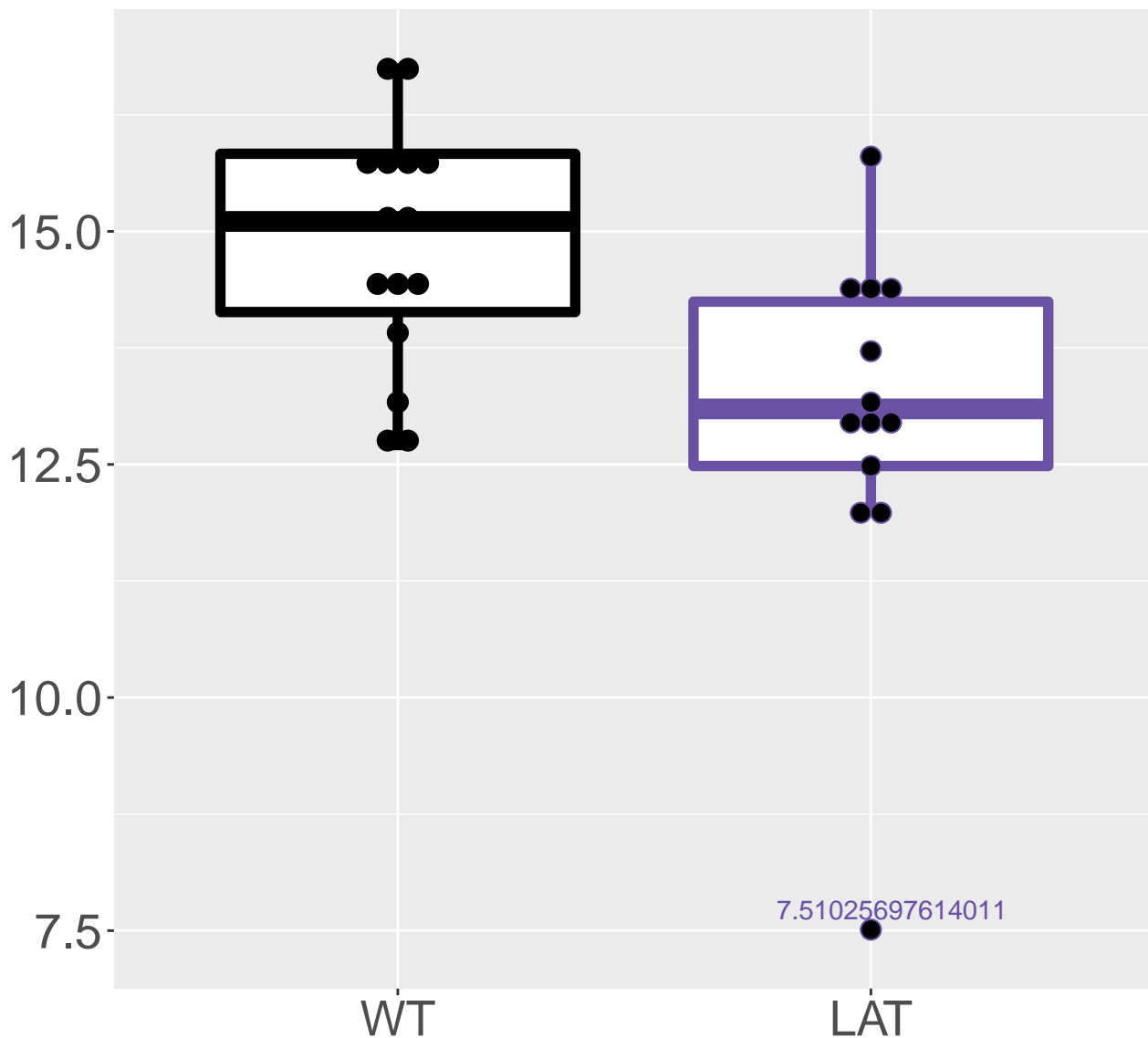
**M130.5902T46.87\_1**  
**FDR = 0.02, FC = -0.97**



**M512.2943T378.61\_2**  
**FDR = 0.02, FC = -0.85**

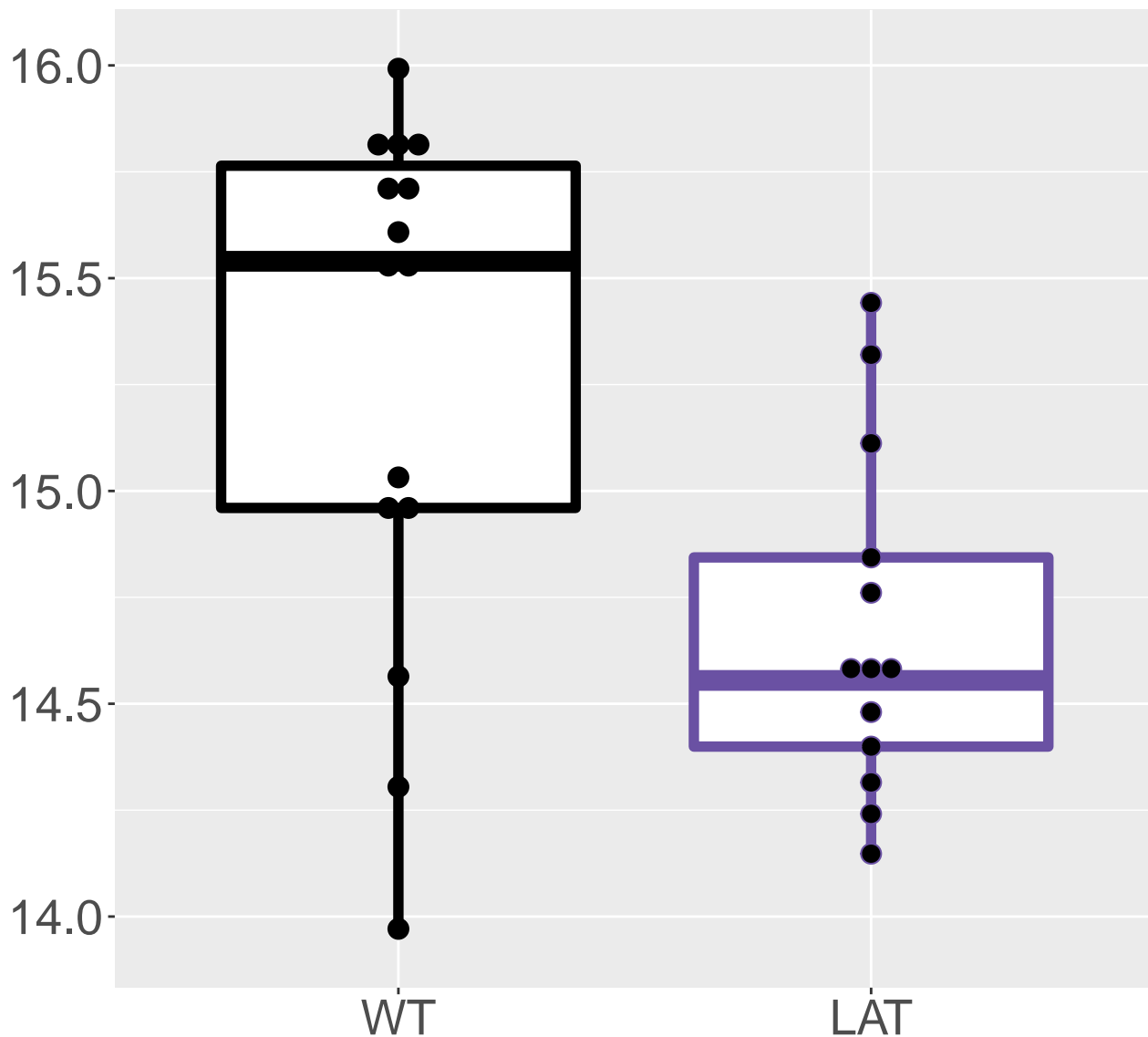


**M415.3219T618.3**  
**FDR = 0.02, FC = -1.9**



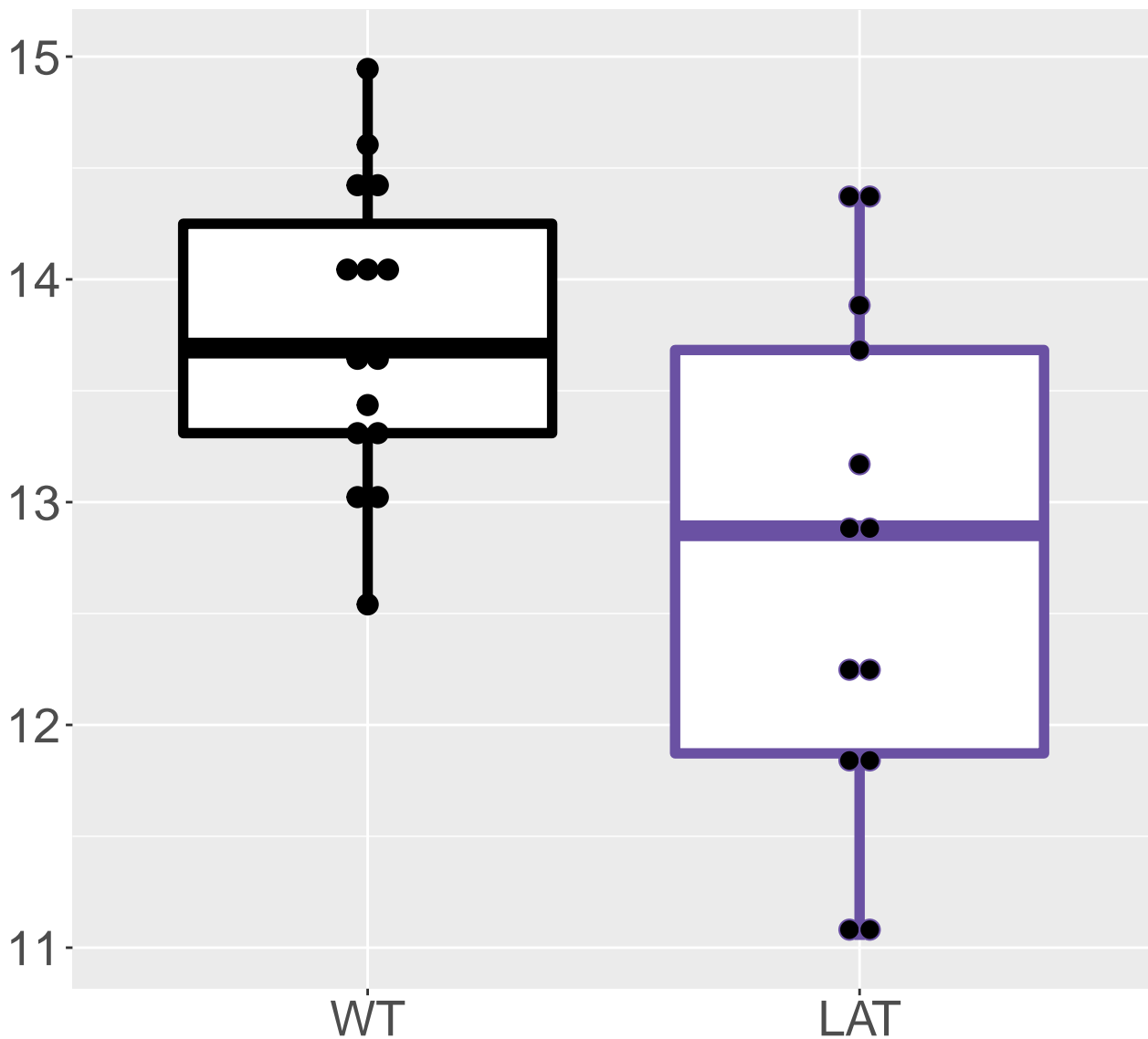


**M156.4972T113.13\_37**  
**FDR = 0.02, FC = -0.61**

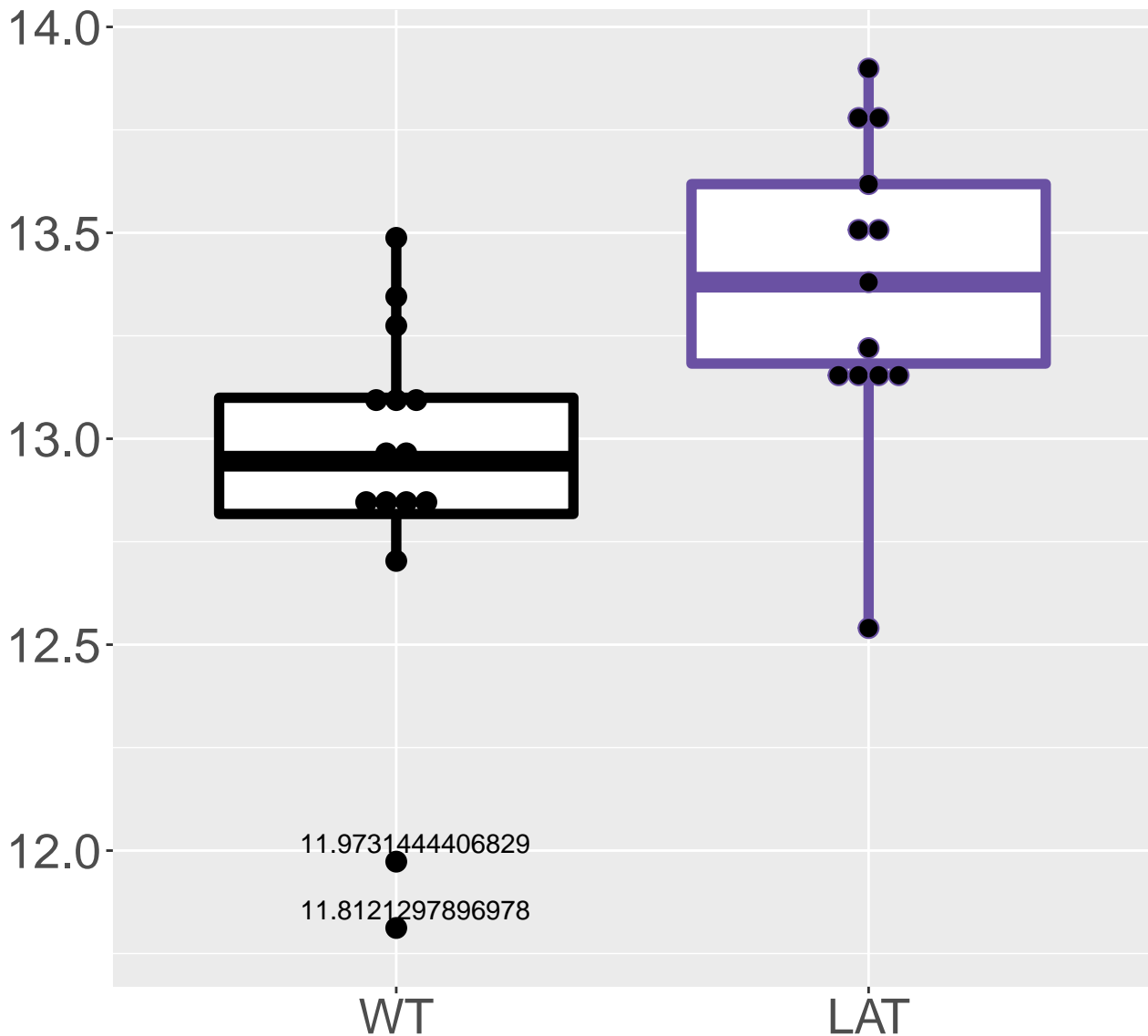


**M542.2925T326.13\_2**

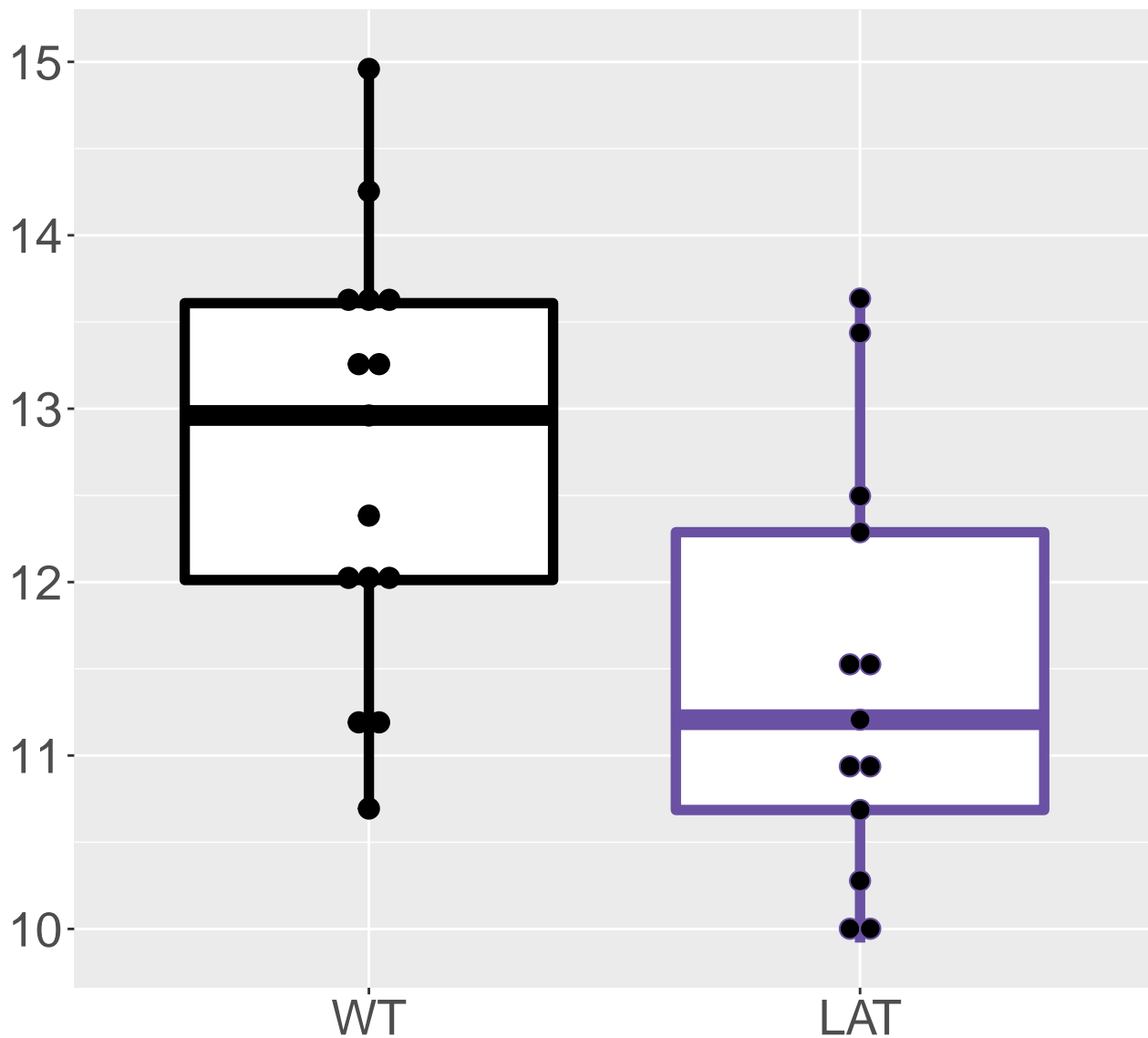
**FDR = 0.02, FC = -1**



**M587.8202T311.1**  
**FDR = 0.02, FC = 0.5**

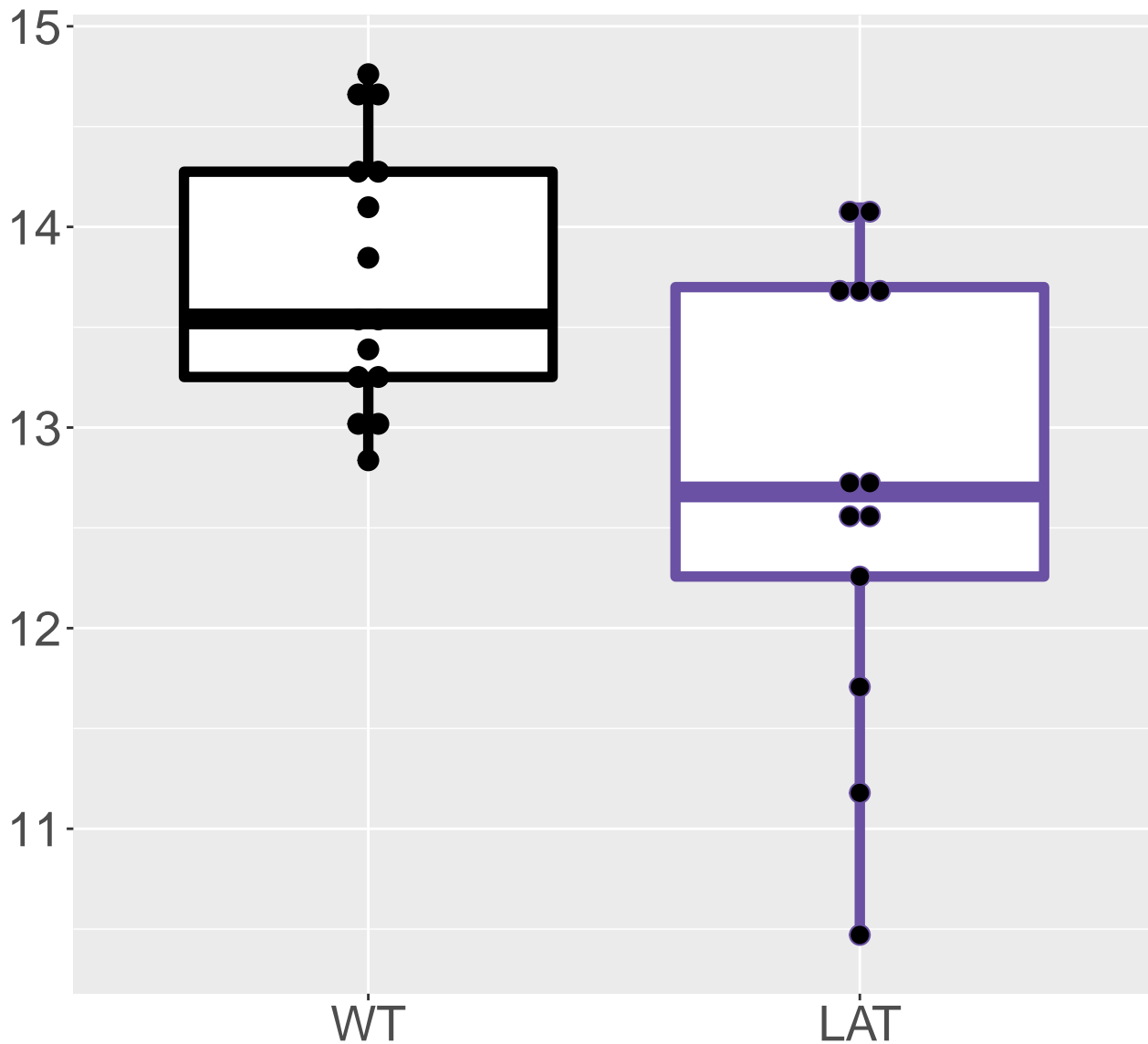


**M306.1501T222.8**  
**FDR = 0.02, FC = -1.3**



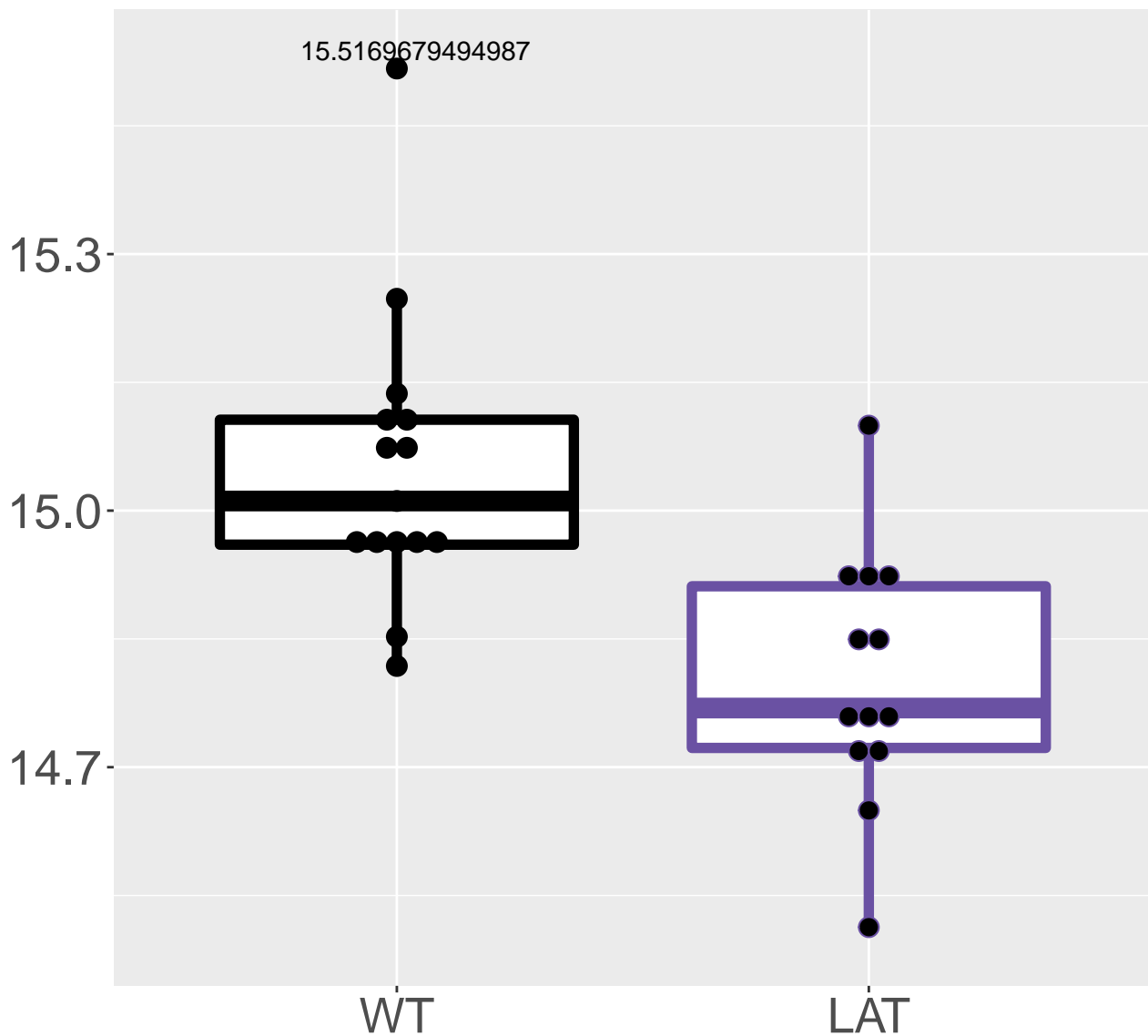
**M272.8459T147.59**

**FDR = 0.02, FC = -1**

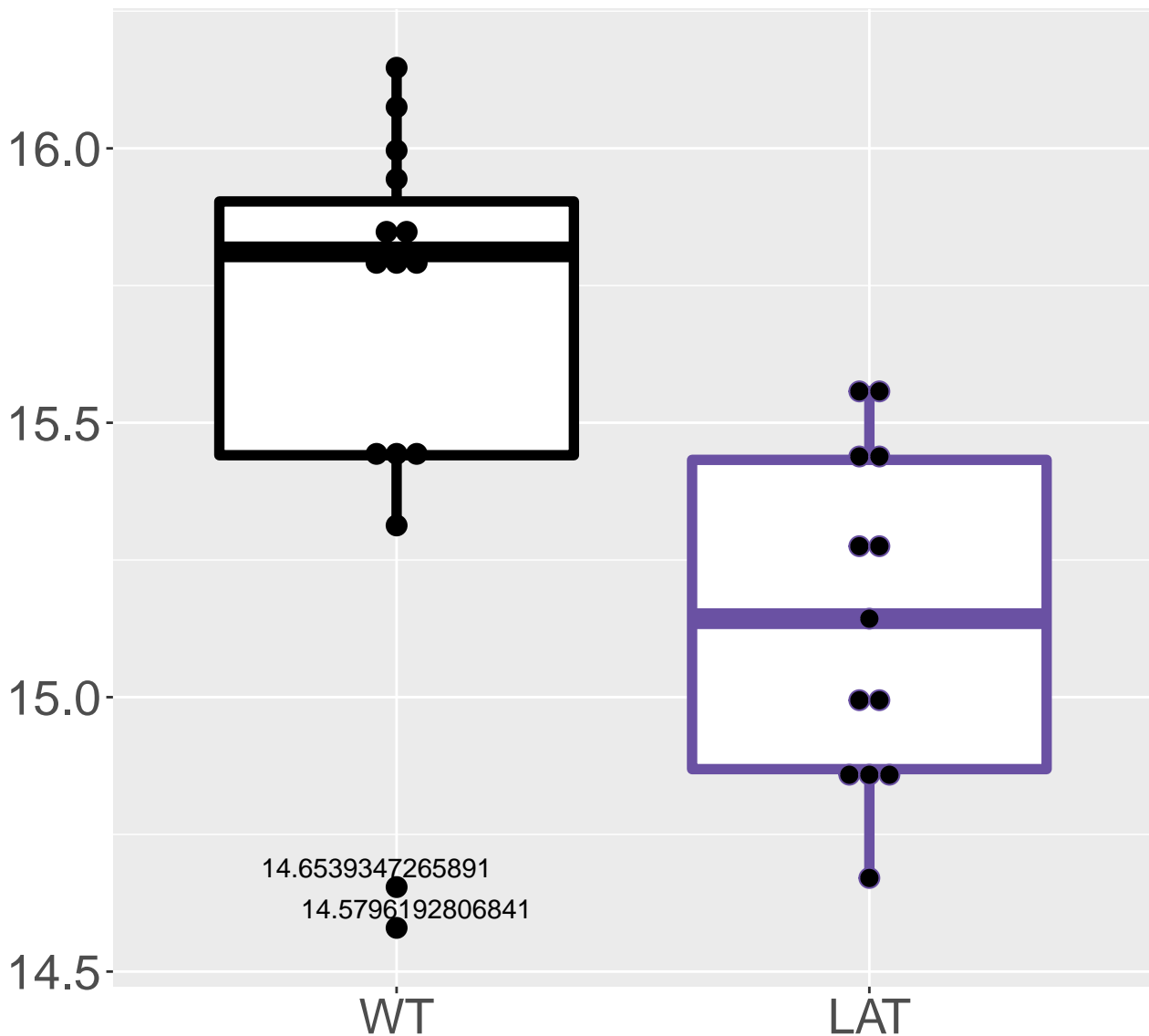


**M404.994T42.76\_2**

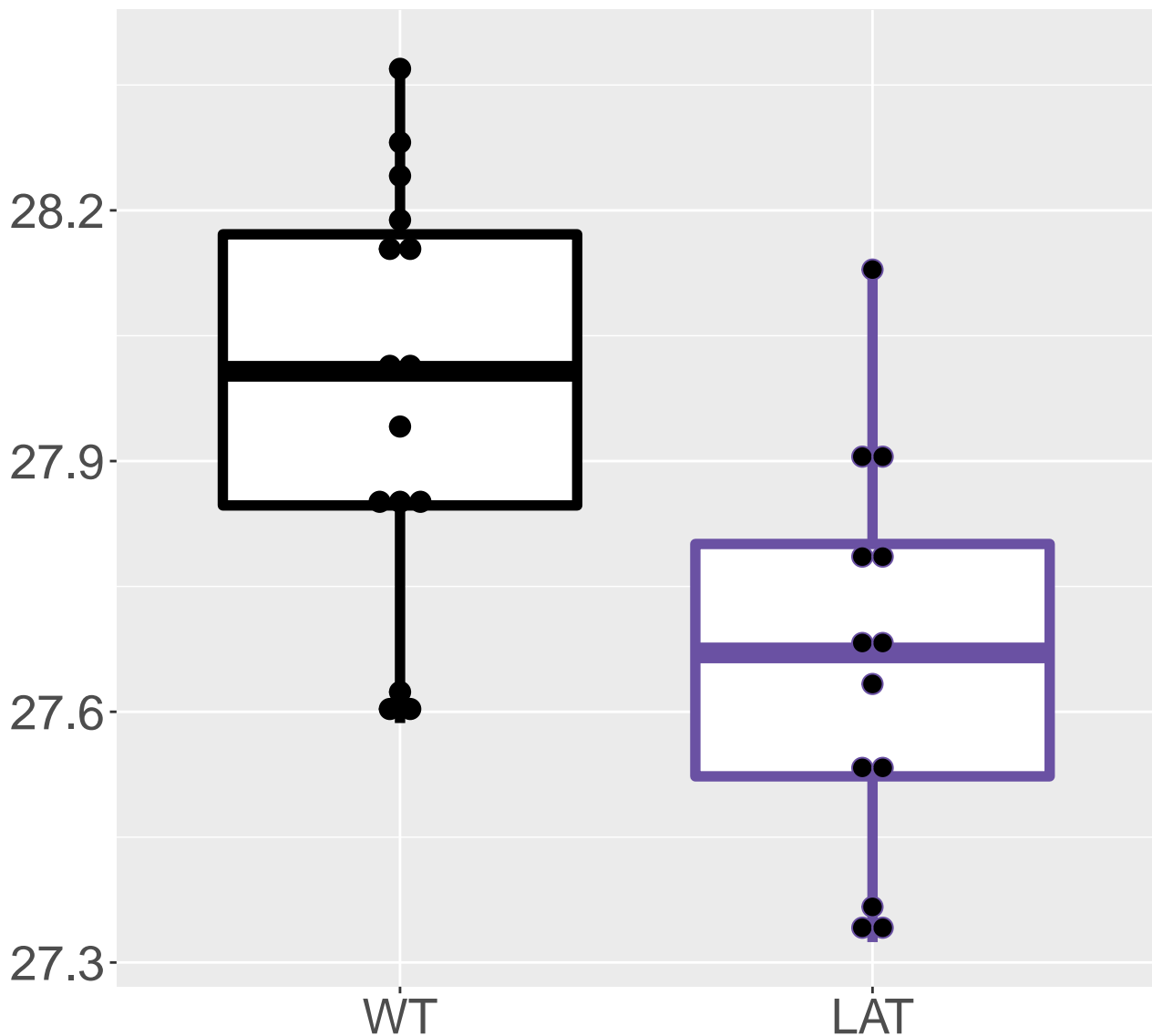
**FDR = 0.021, FC = -0.25**



**M173.0795T113.11\_7**  
**FDR = 0.021, FC = -0.46**

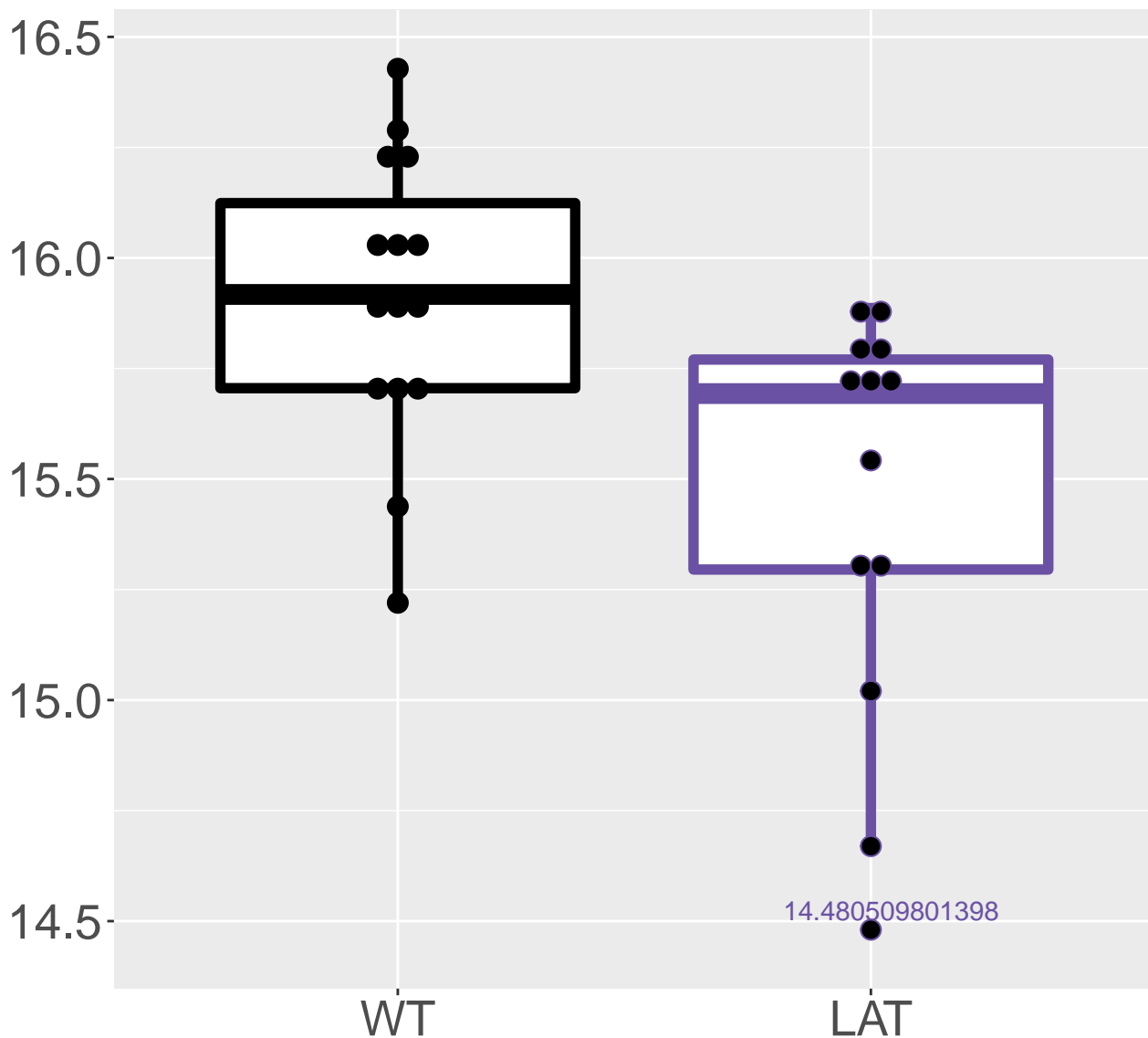


**Isopentyl nitrite; Isoamyl nitrite|5-Aminopenta**  
**FDR = 0.021, FC = -0.32**



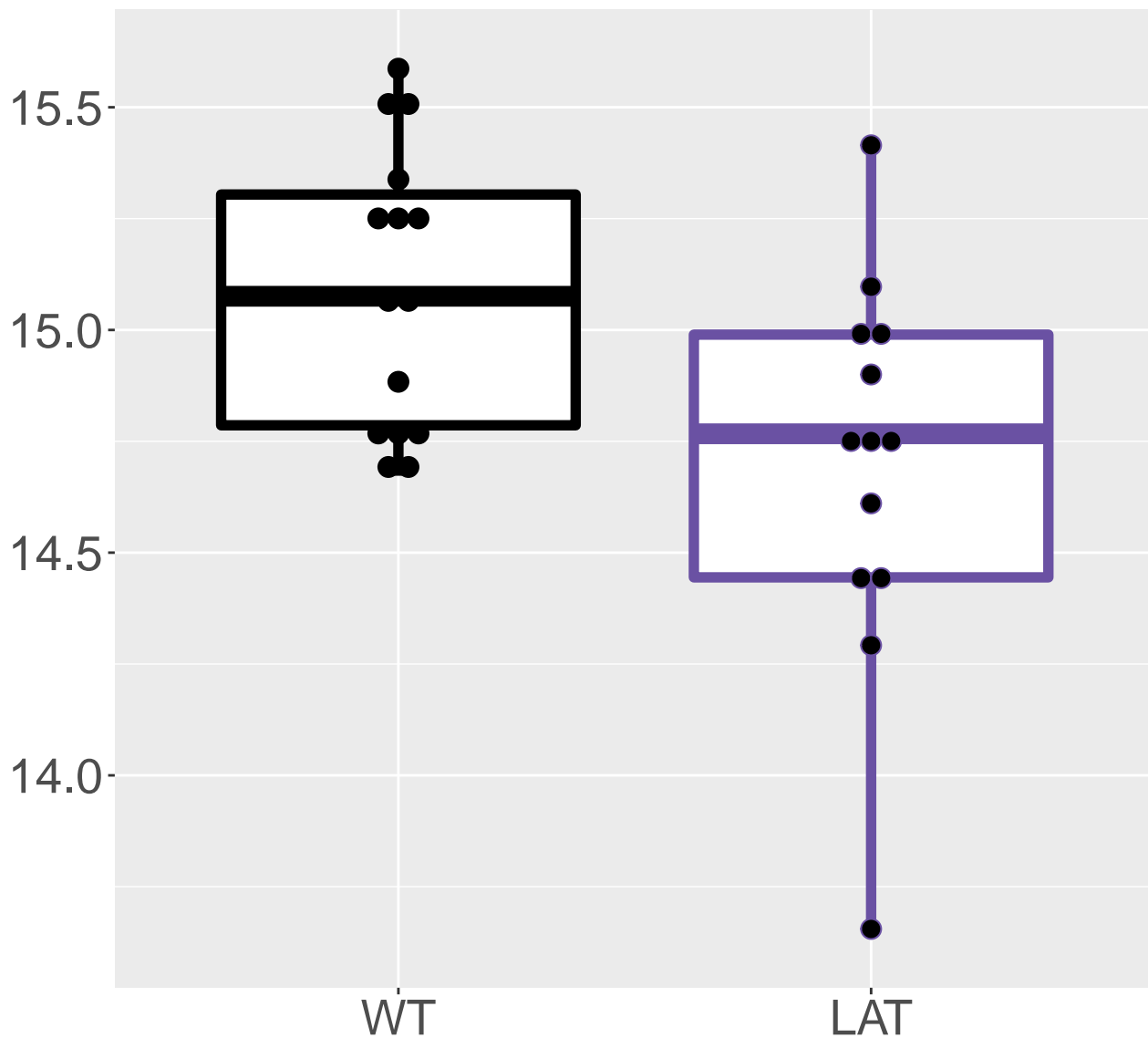


**M159.1017T113.04\_25**  
**FDR = 0.021, FC = -0.47**

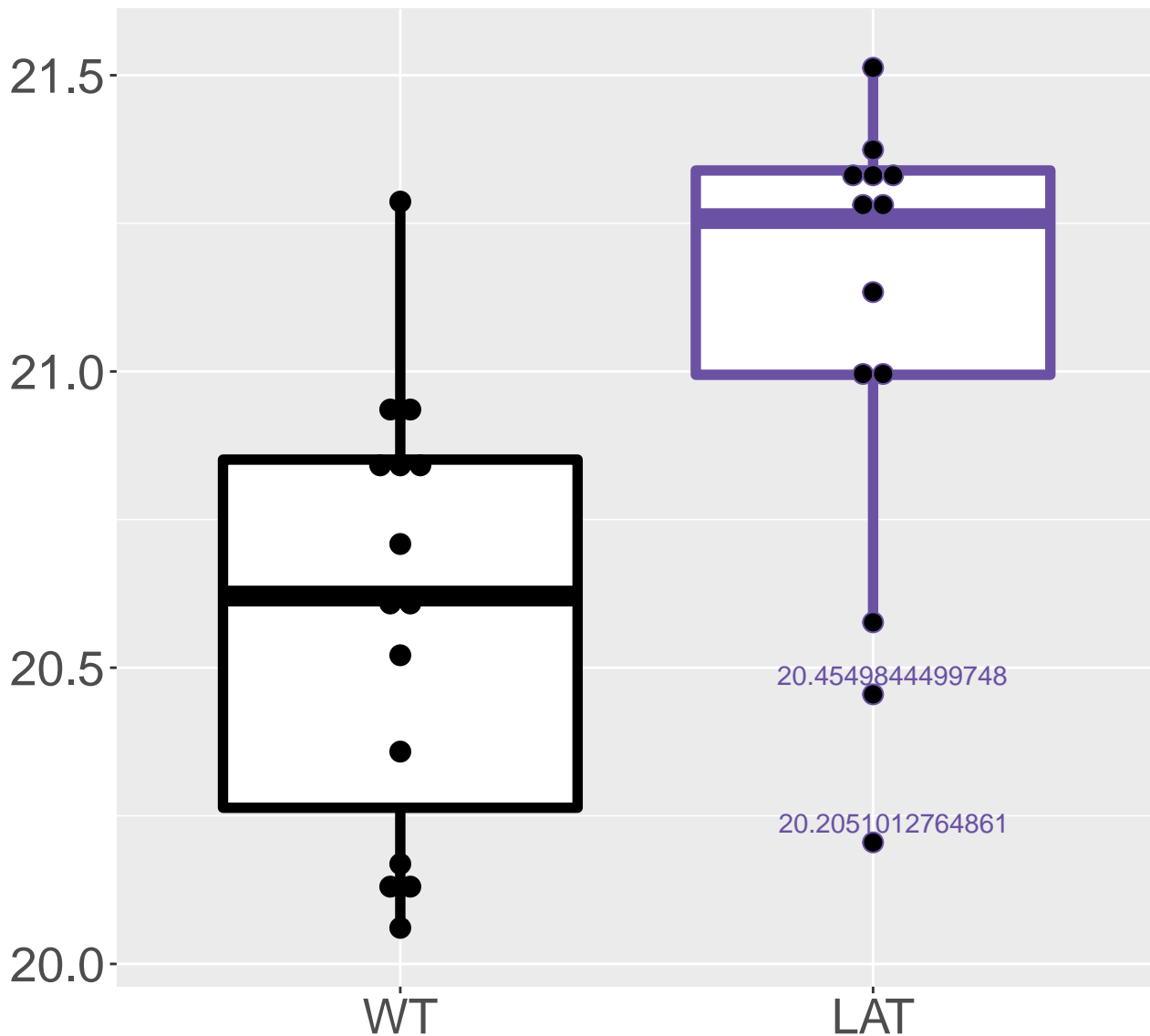


**M661.4915T297.98\_7**

**FDR = 0.021, FC = -0.39, sex\*\***

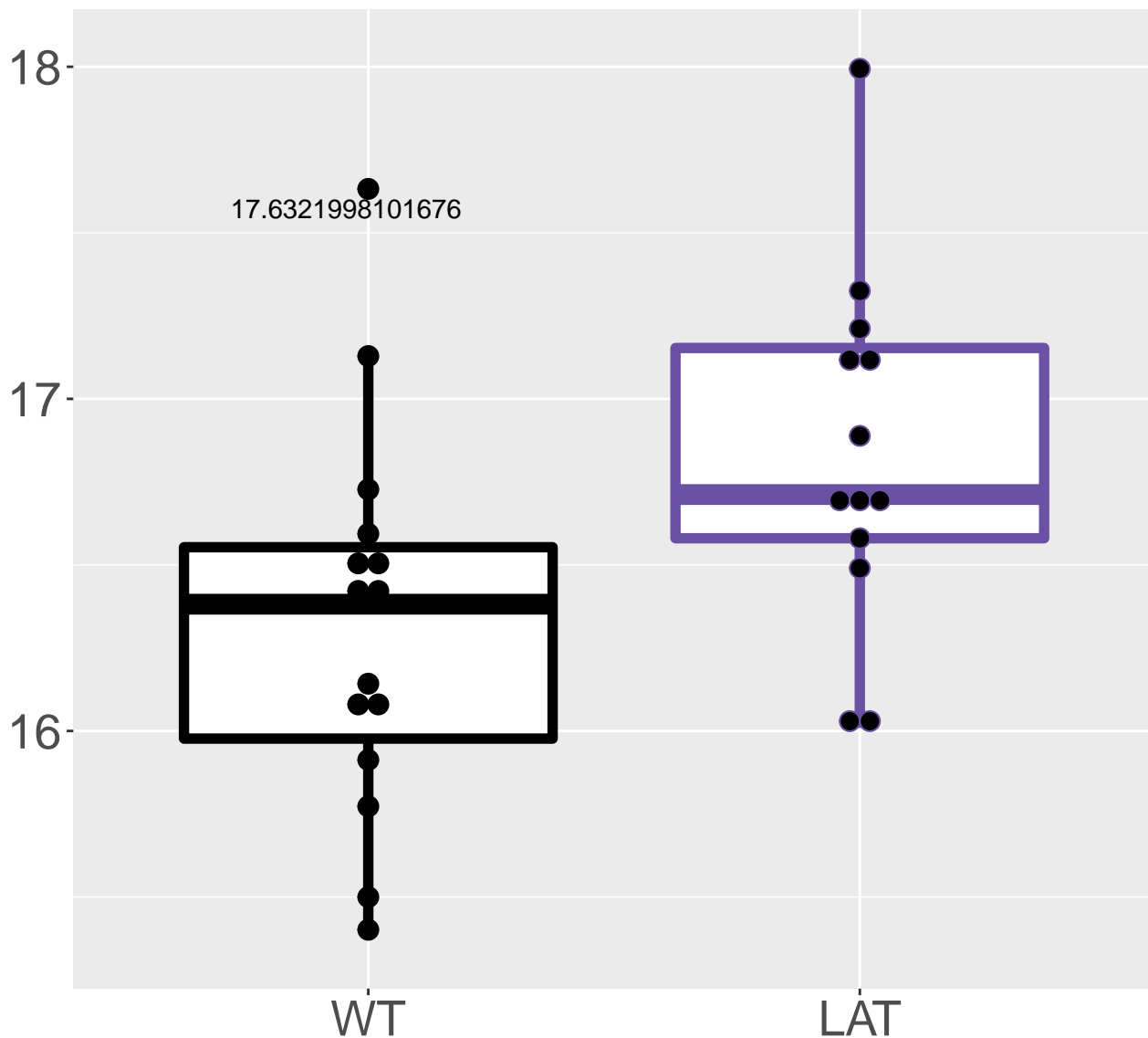


**M148.0046T46.64**  
**FDR = 0.021, FC = 0.46**

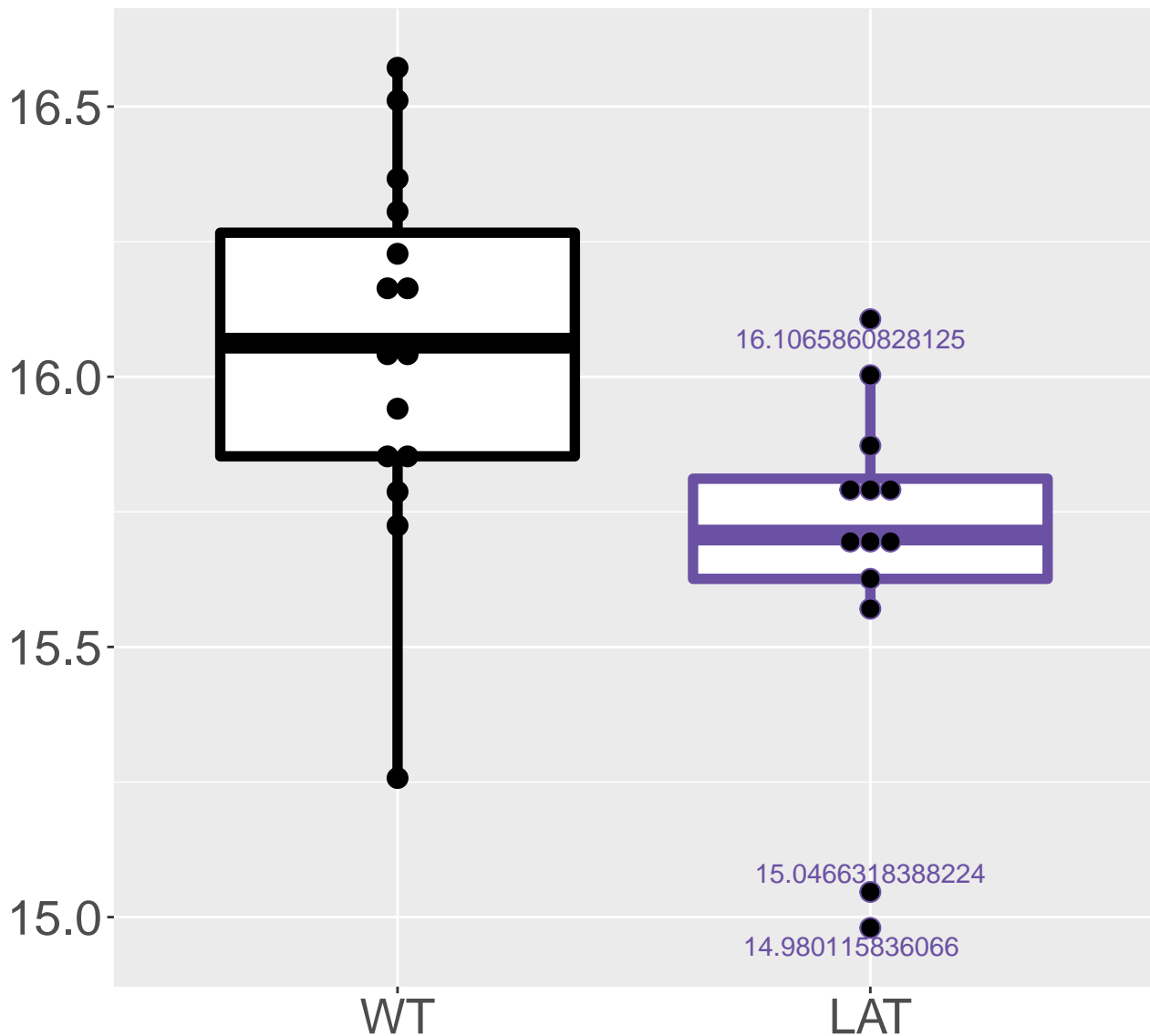


**M594.1872T298.37\_2**

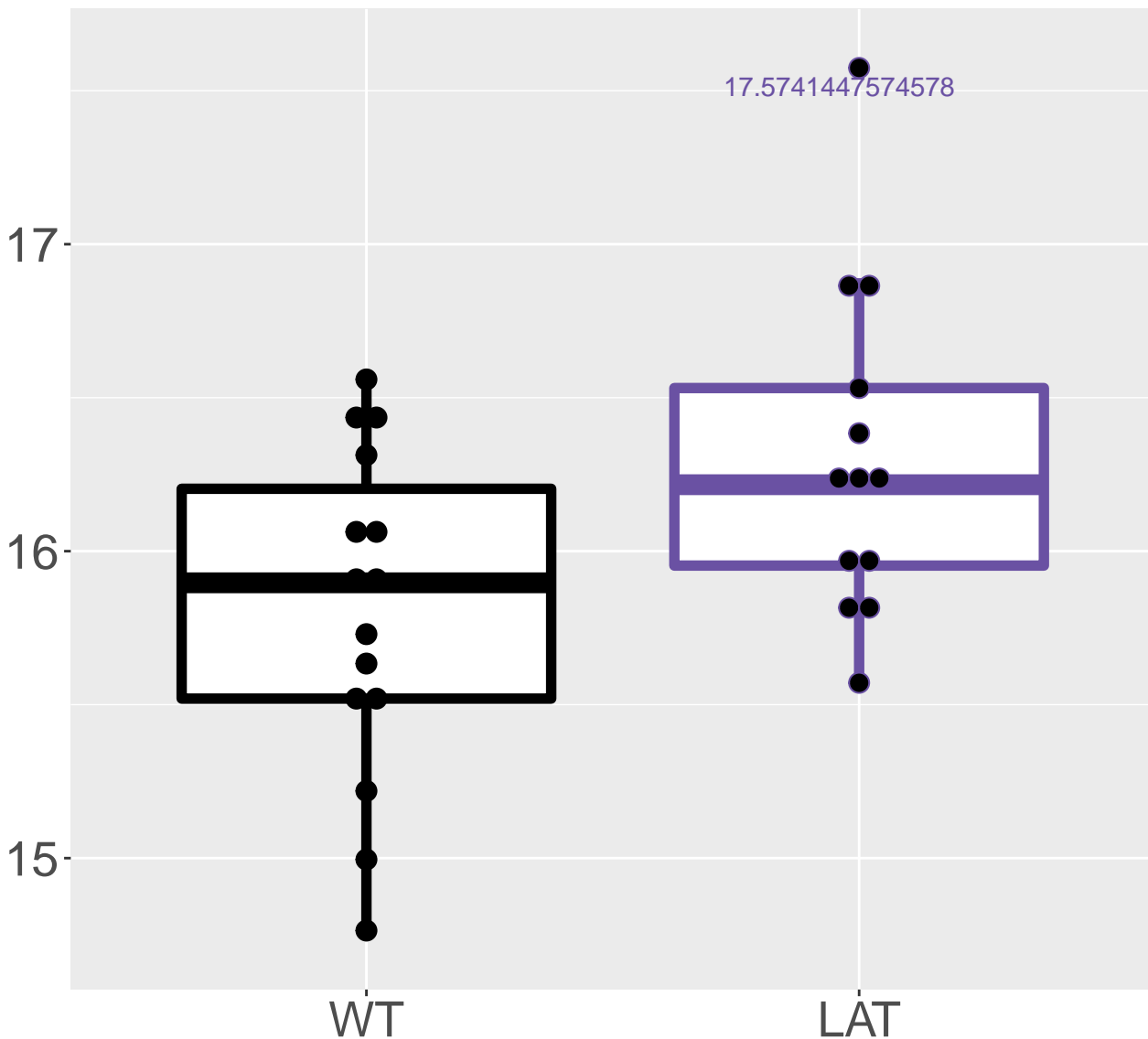
**FDR = 0.021, FC = 0.51, sex\***



**M171.4821T113.11\_41**  
**FDR = 0.021, FC = -0.39**

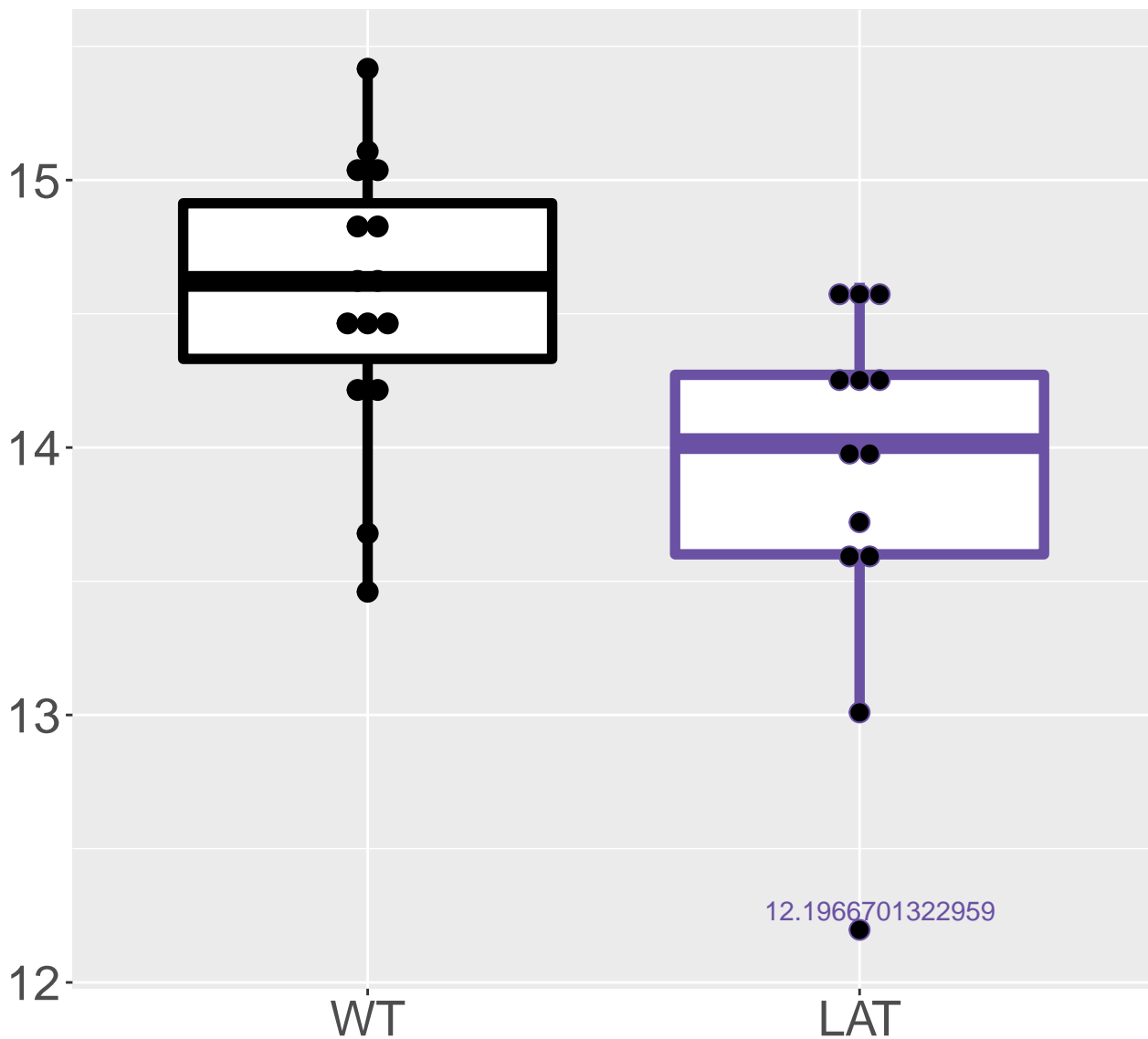


**M613.2468T487.38**  
**FDR = 0.022, FC = 0.51**



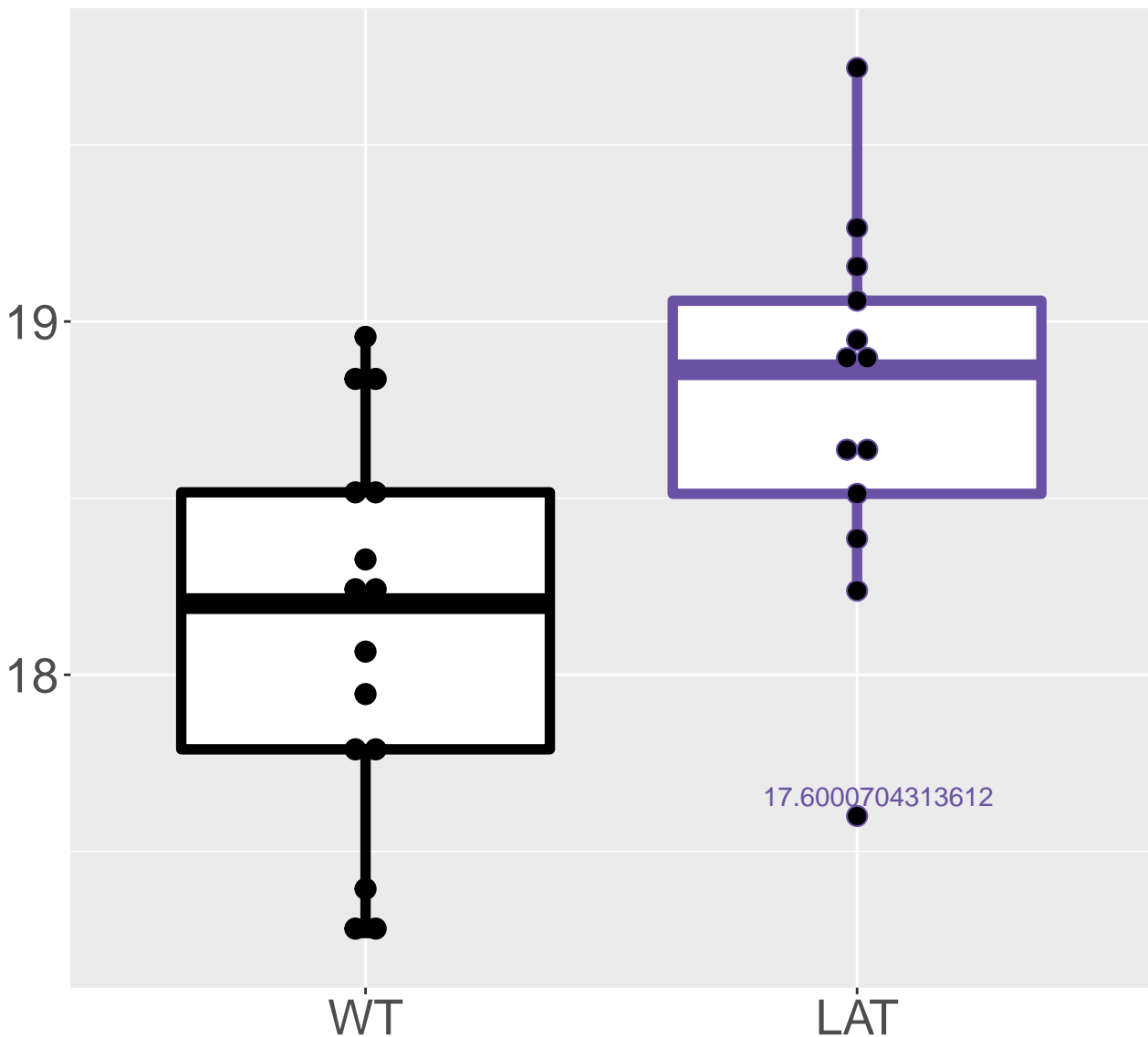
**M431.2508T312.31**

**FDR = 0.022, FC = -0.67**



**M180.1032T268.34**

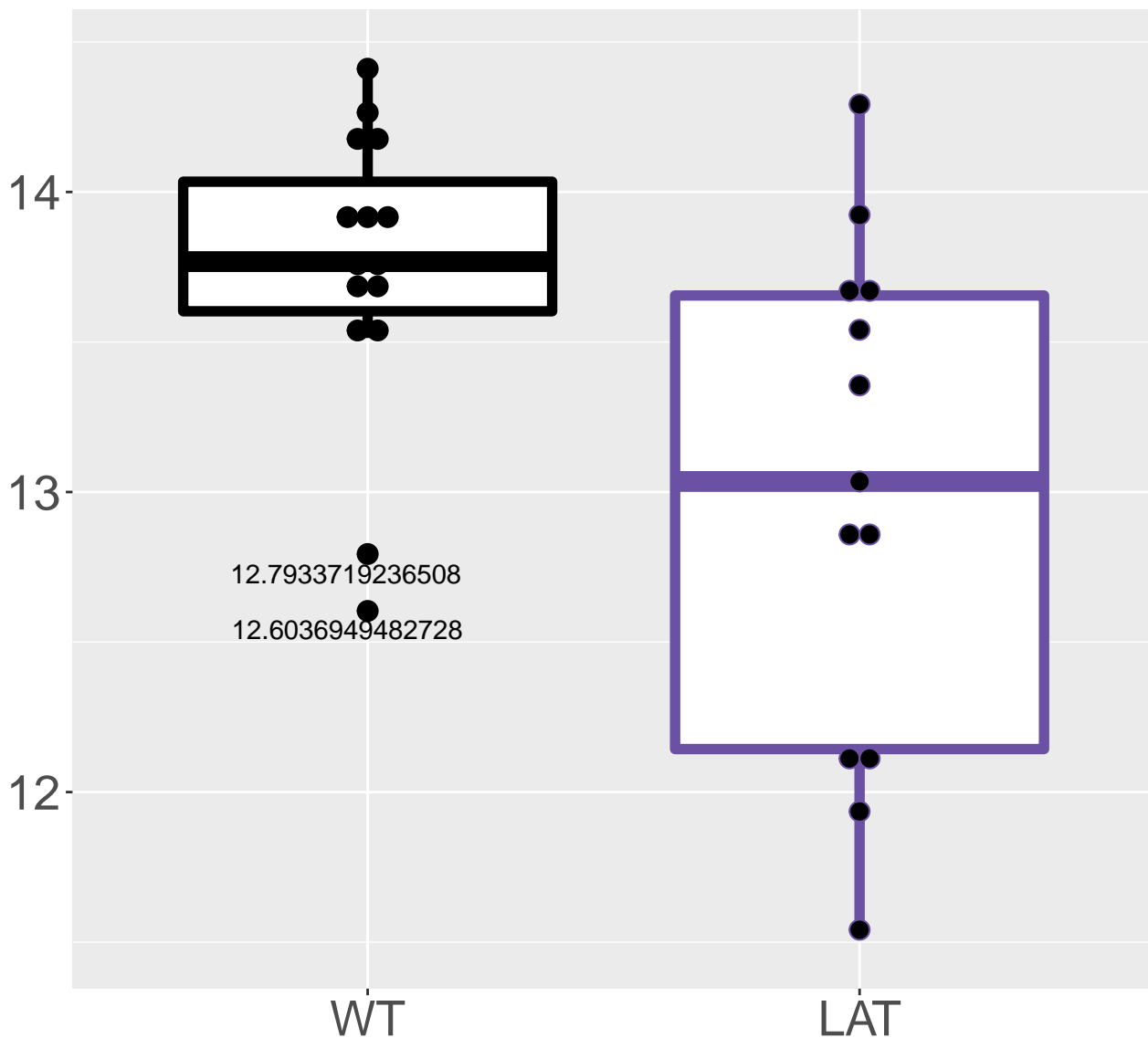
**FDR = 0.022, FC = 0.63**



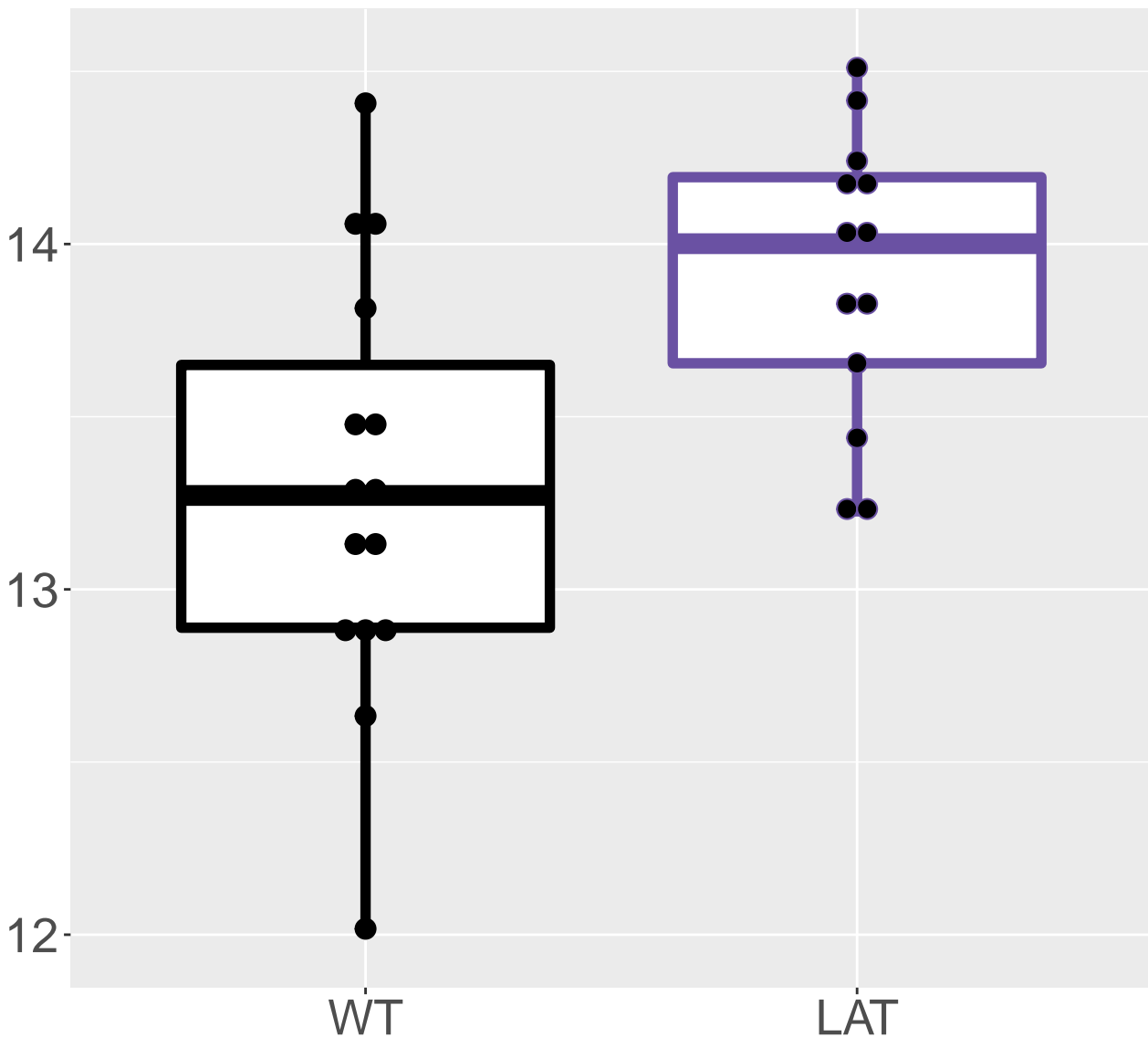


**M266.1491T81.38**

**FDR = 0.022, FC = -0.75**

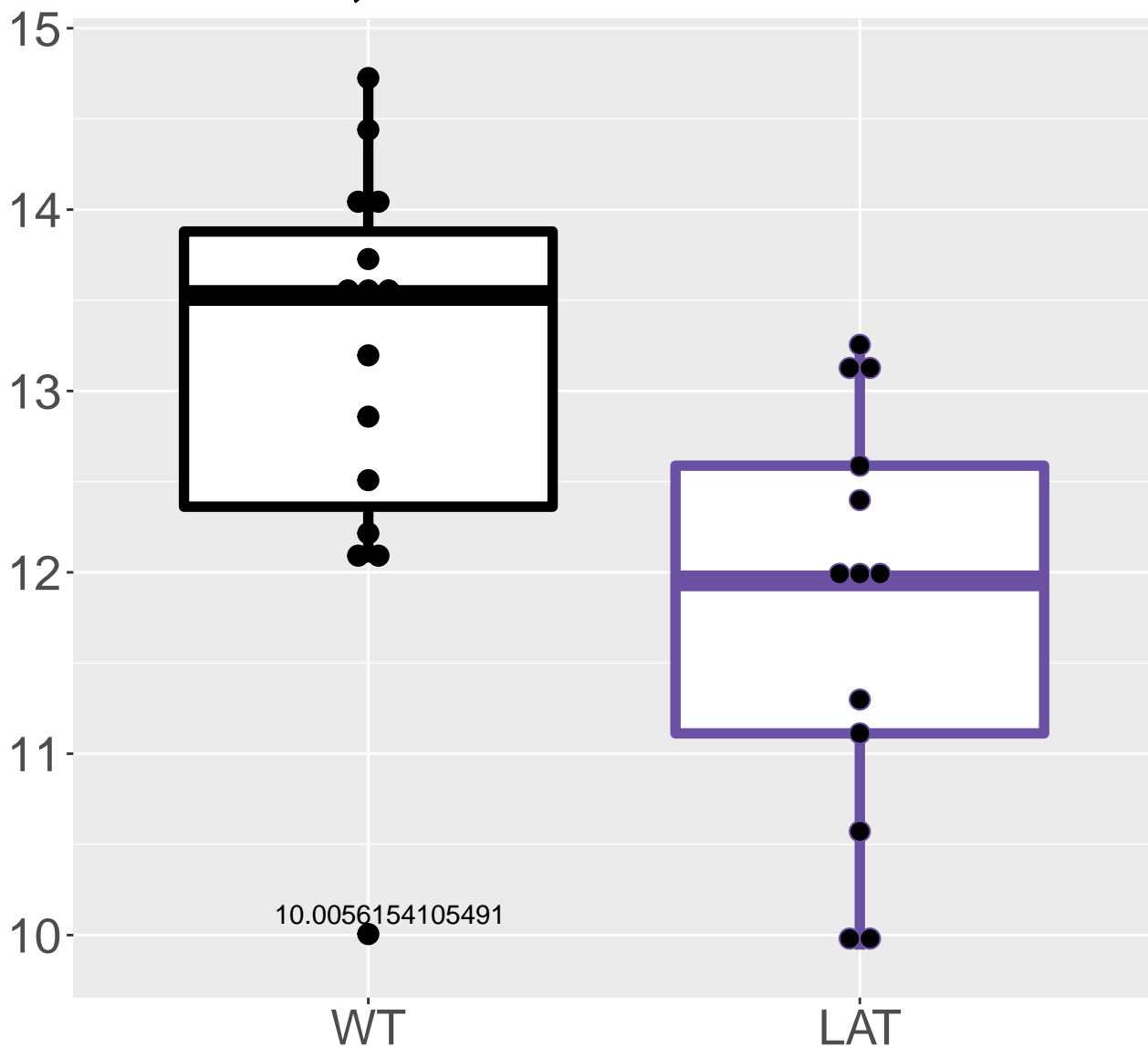


**M686.3963T330.35**  
**FDR = 0.022, FC = 0.61**

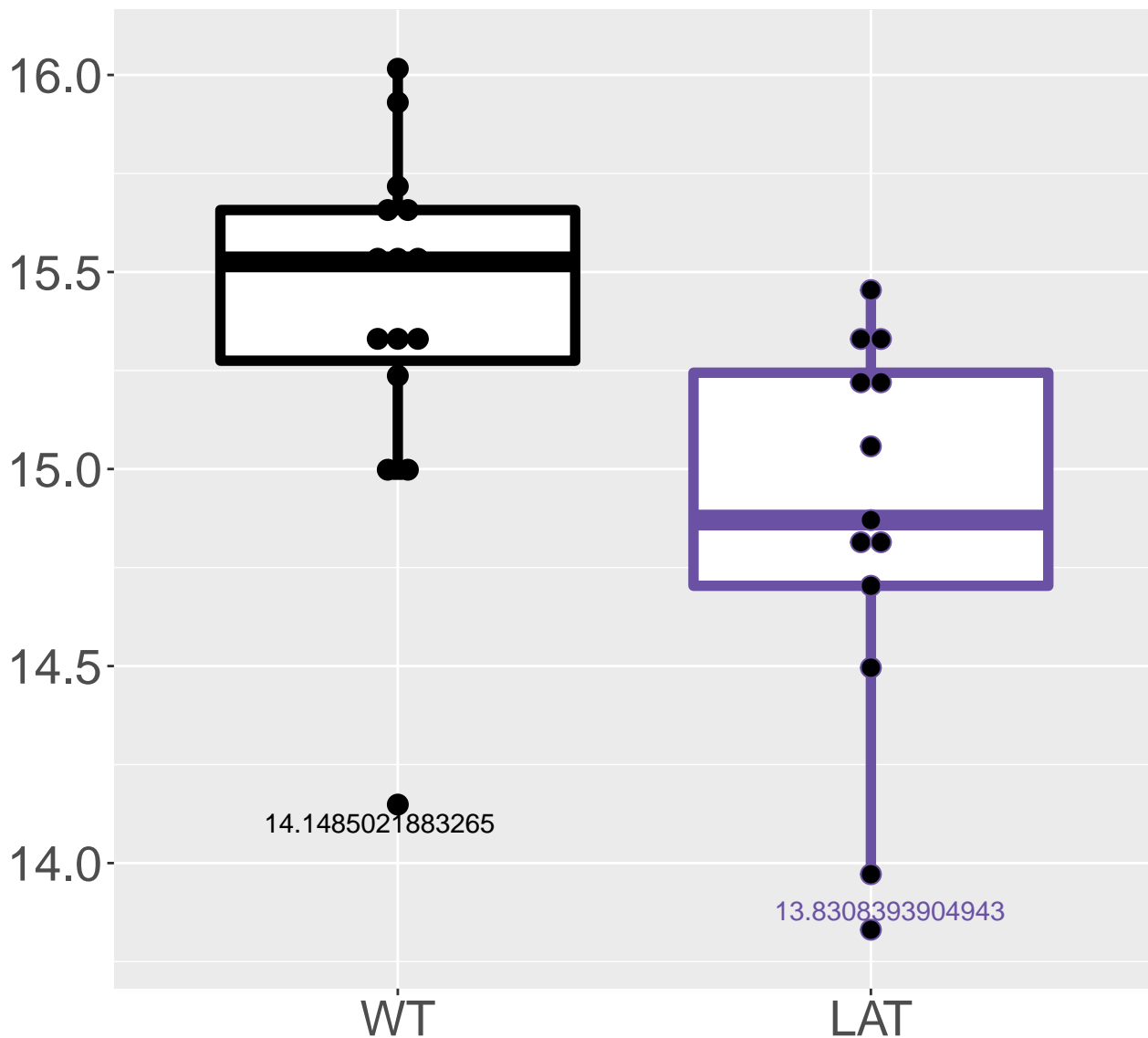


**M305.6836T325.27**

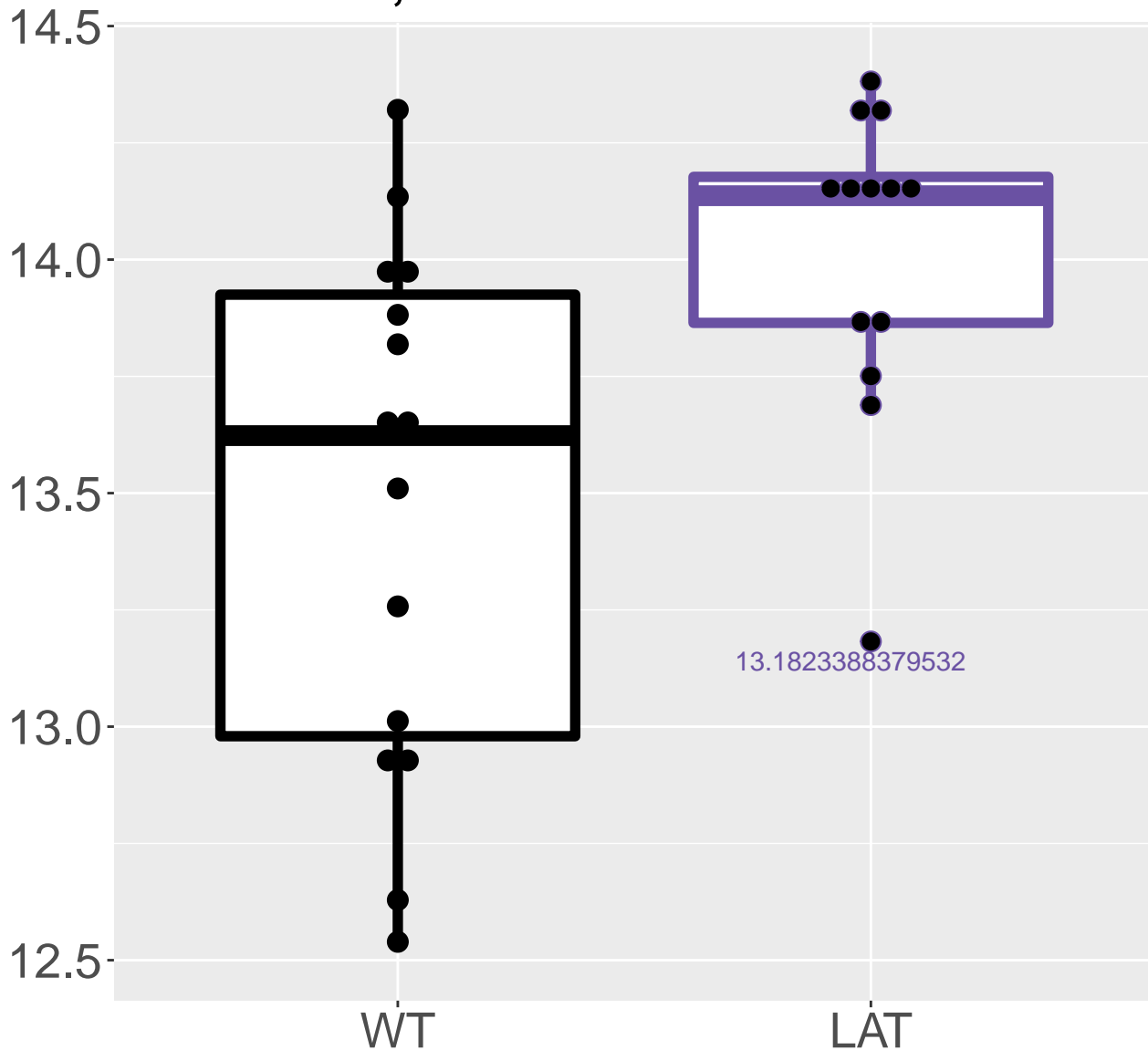
**FDR = 0.022, FC = -1.3**



**M155.9282T113.11\_19**  
**FDR = 0.023, FC = -0.54**

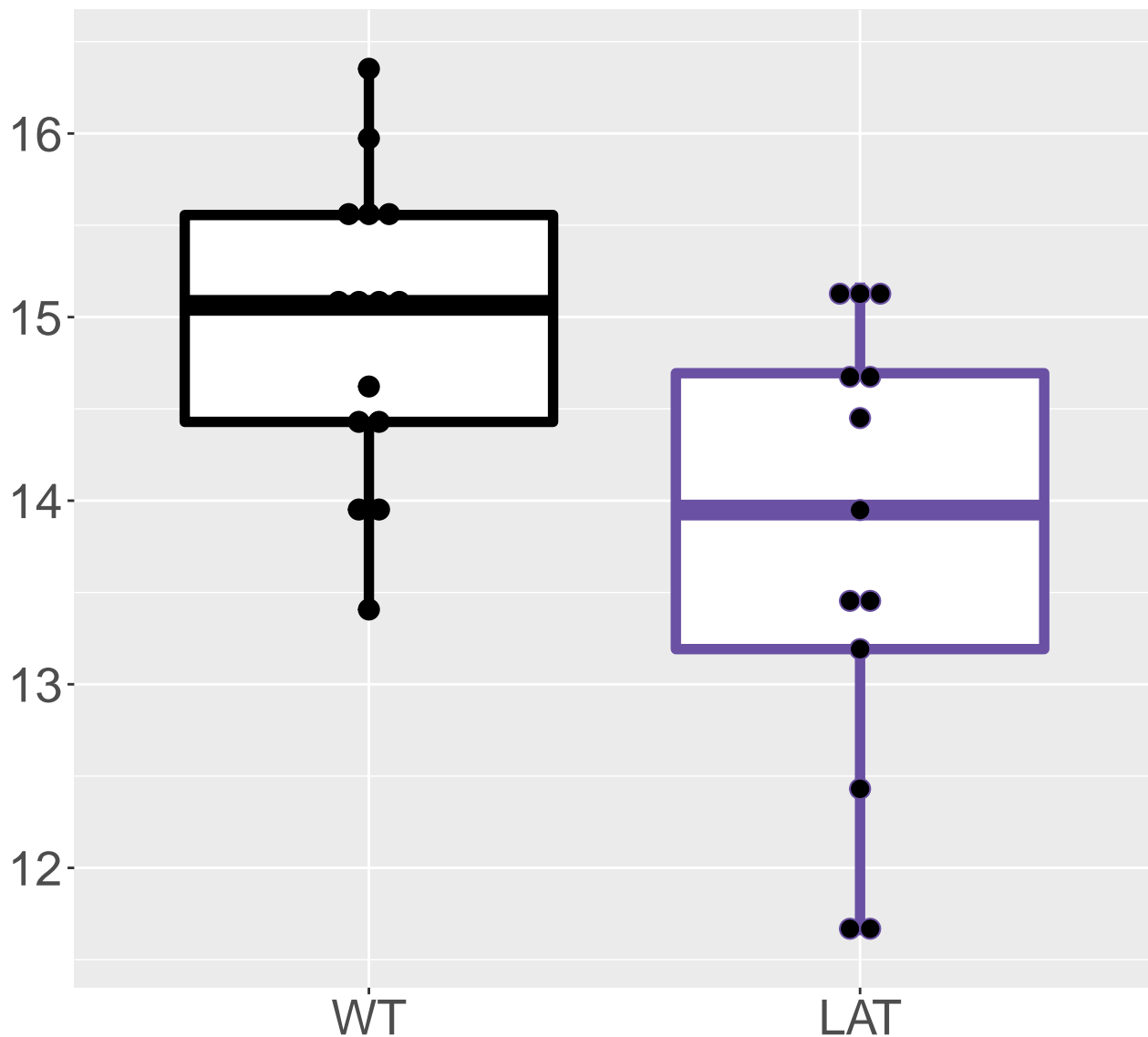


**M398.233T312.23**  
**FDR = 0.023, FC = 0.53**

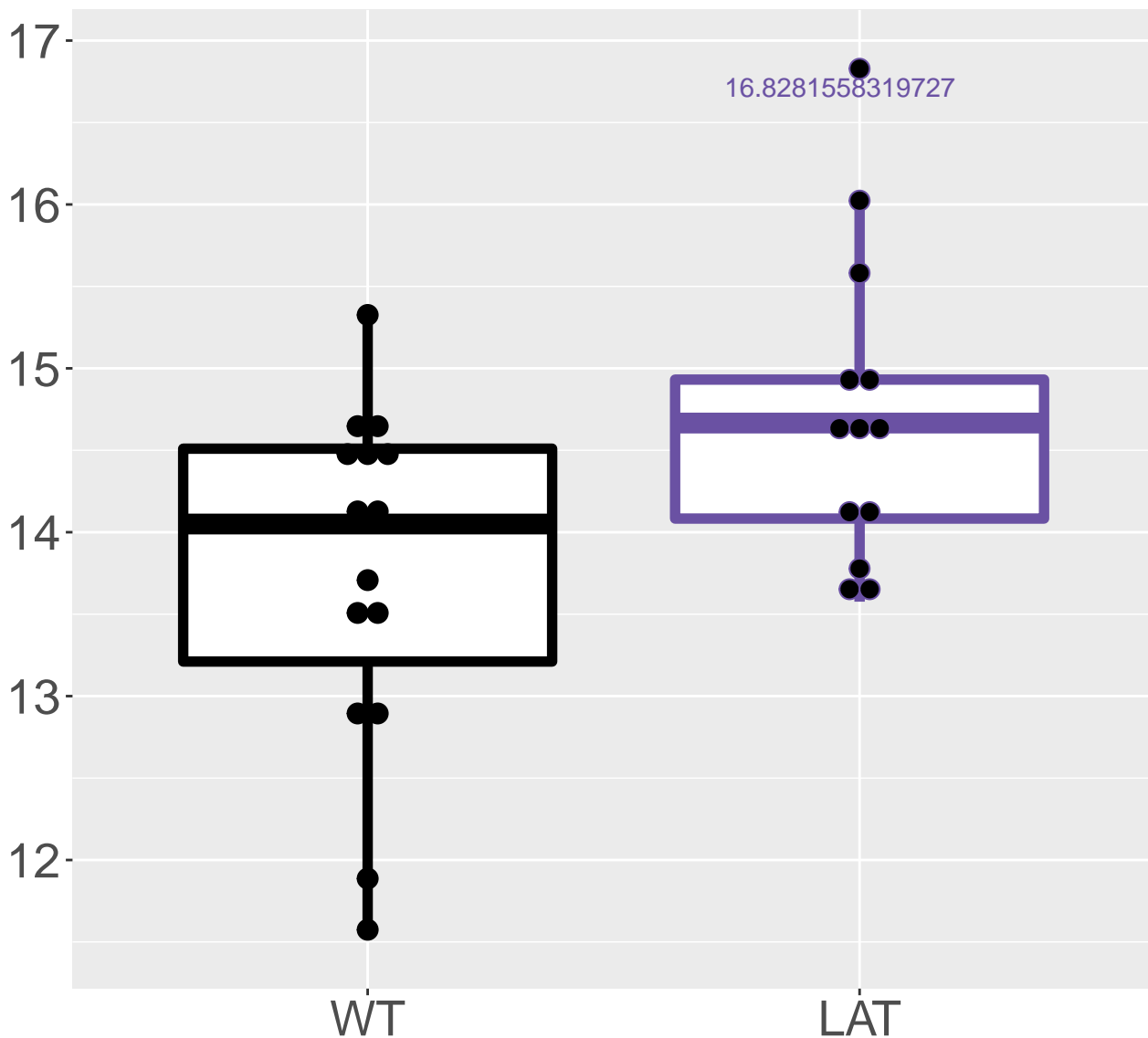


**M452.1449T80.64**

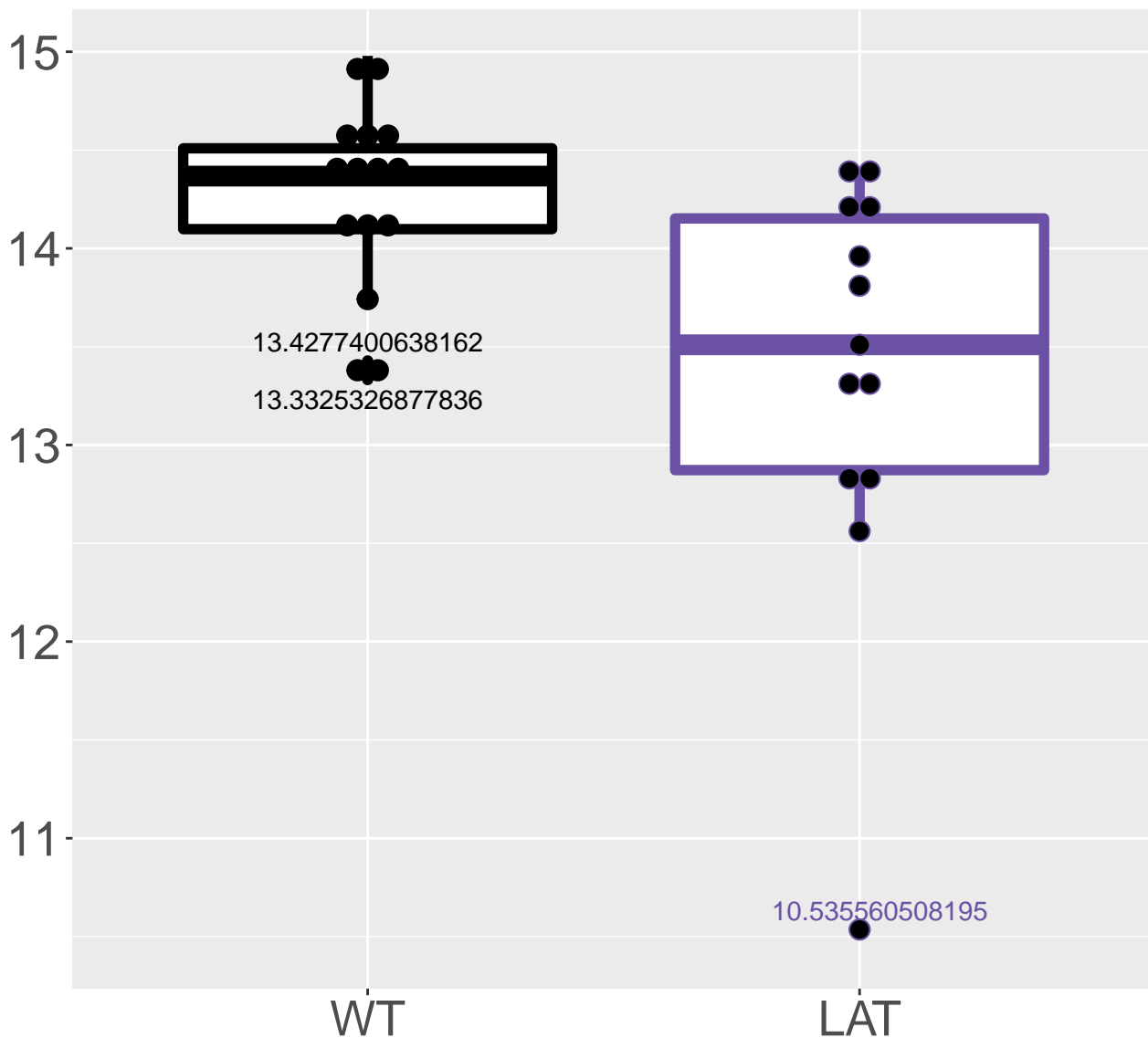
**FDR = 0.023, FC = -1.2**



**M483.2782T487.17\_1**  
**FDR = 0.023, FC = 0.98**



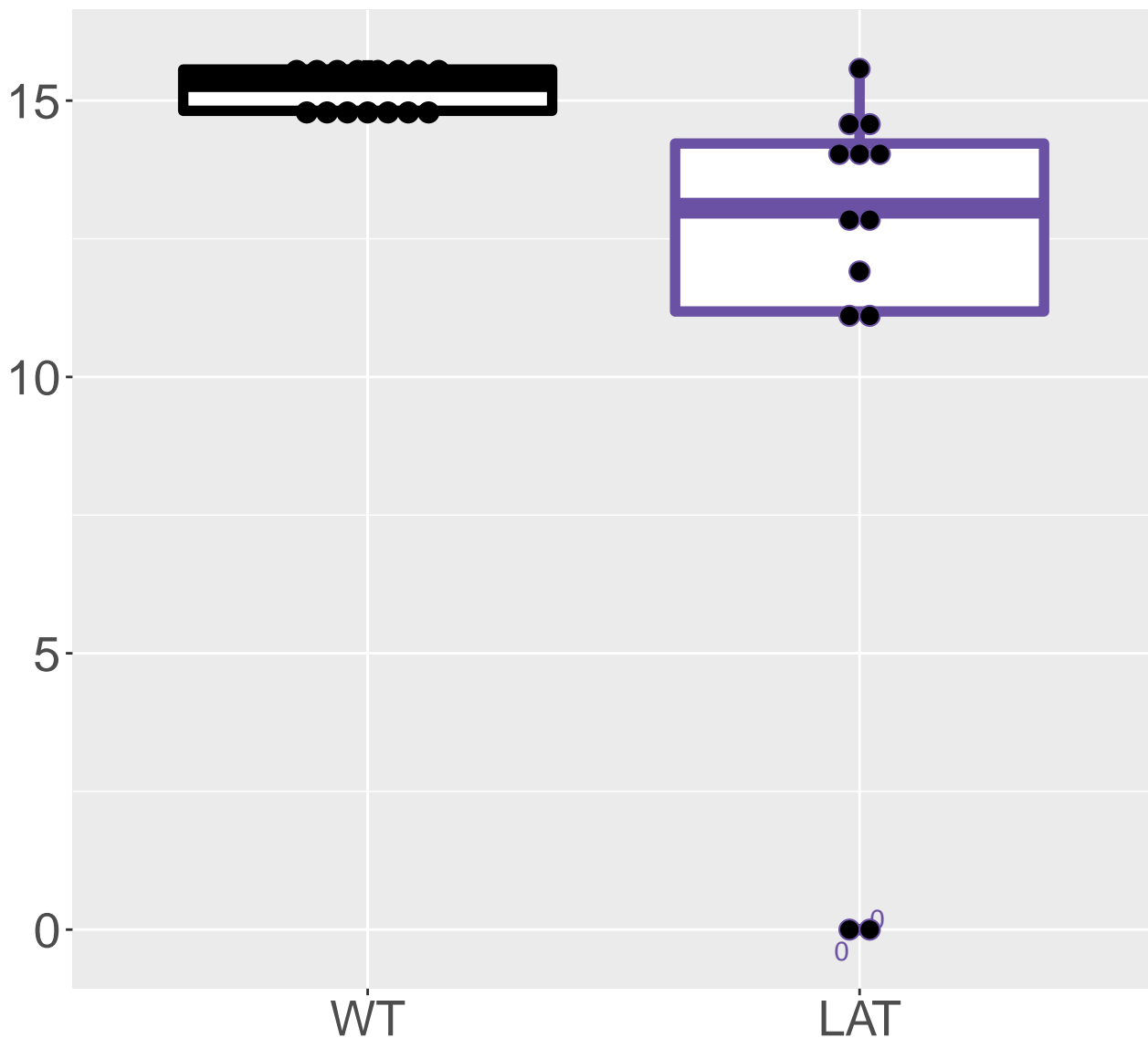
**M574.0583T328.02\_1**  
**FDR = 0.023, FC = -0.89**



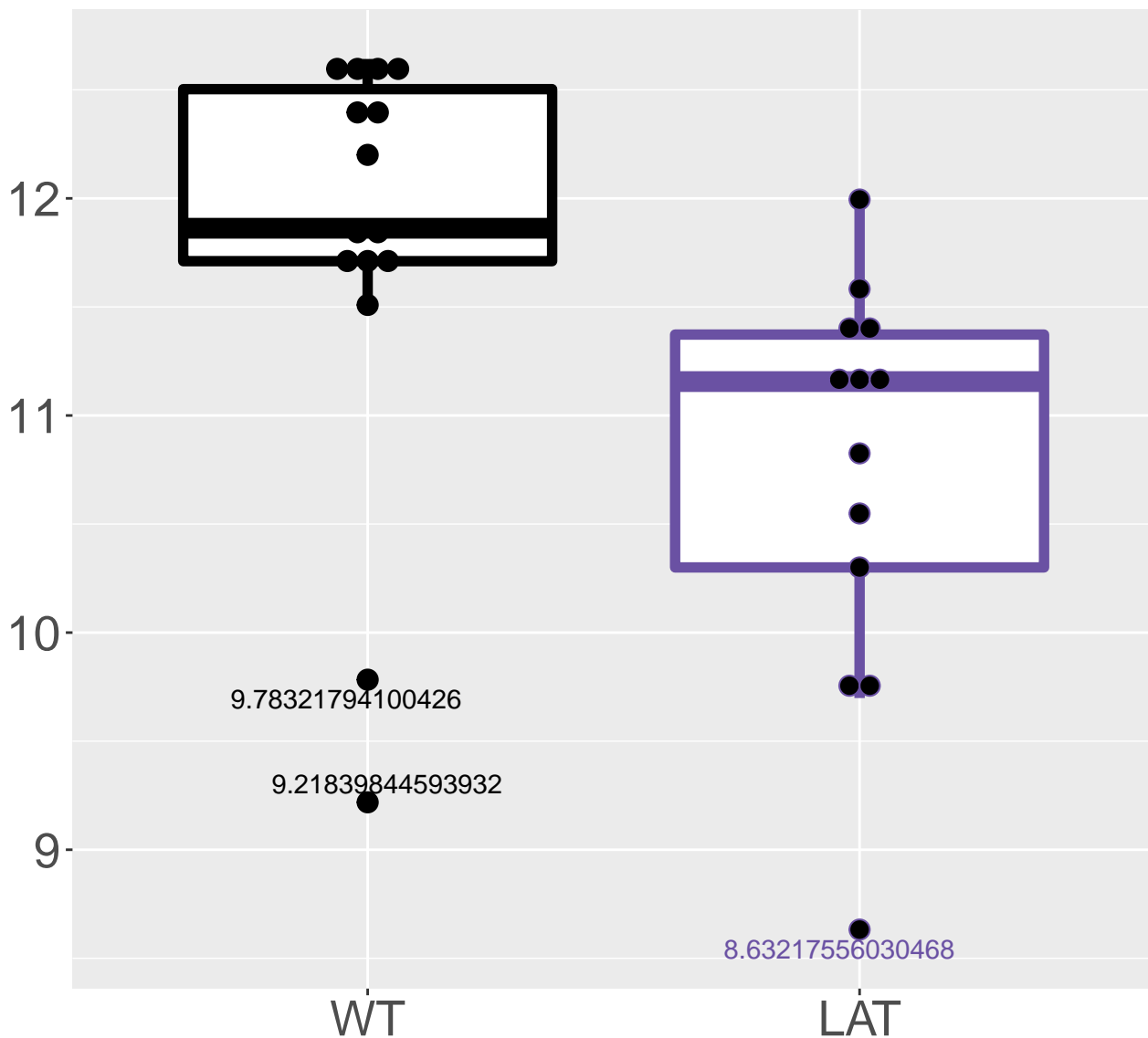


**M786.3174T52.85**

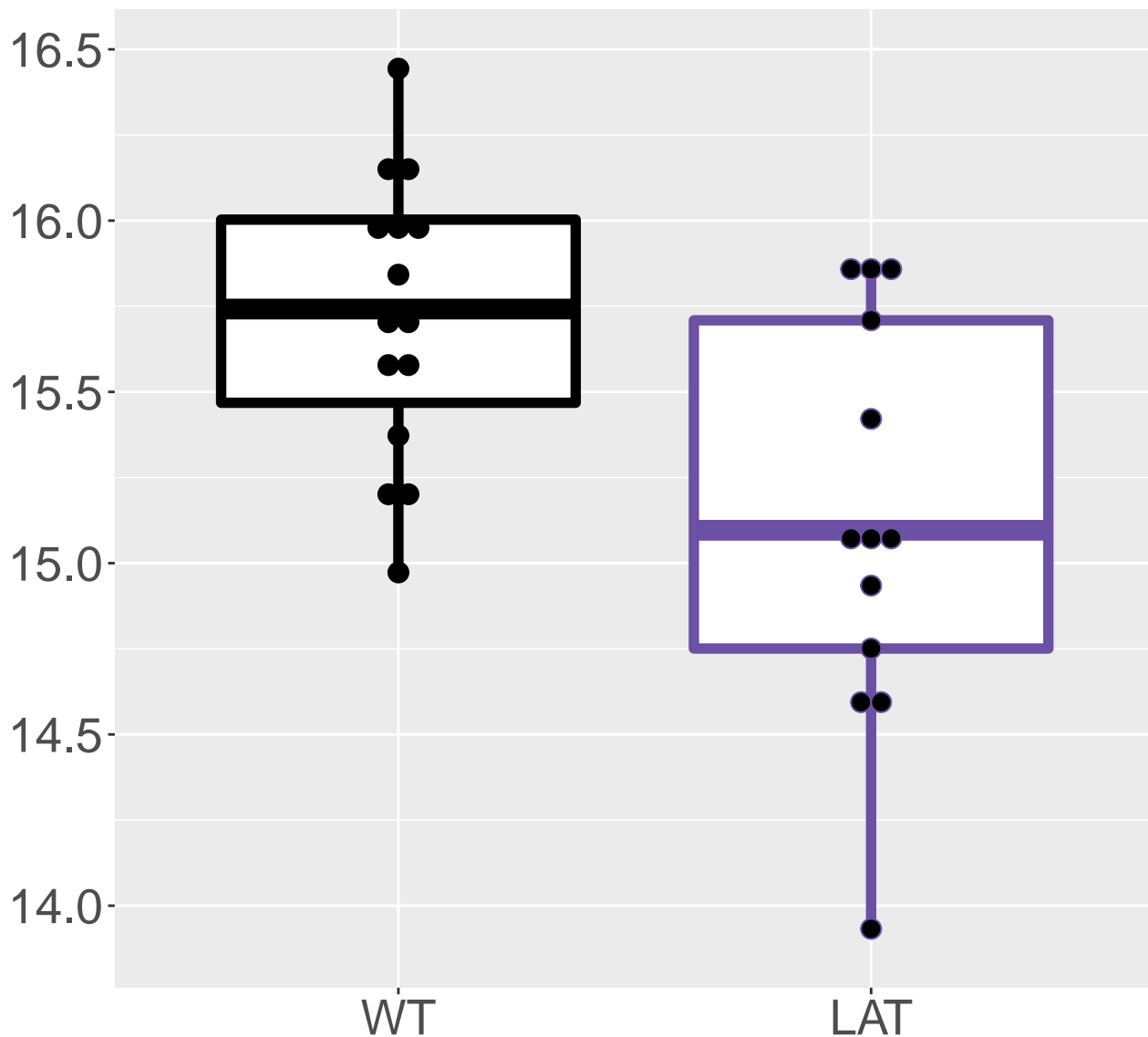
**FDR = 0.023, FC = -3.9**



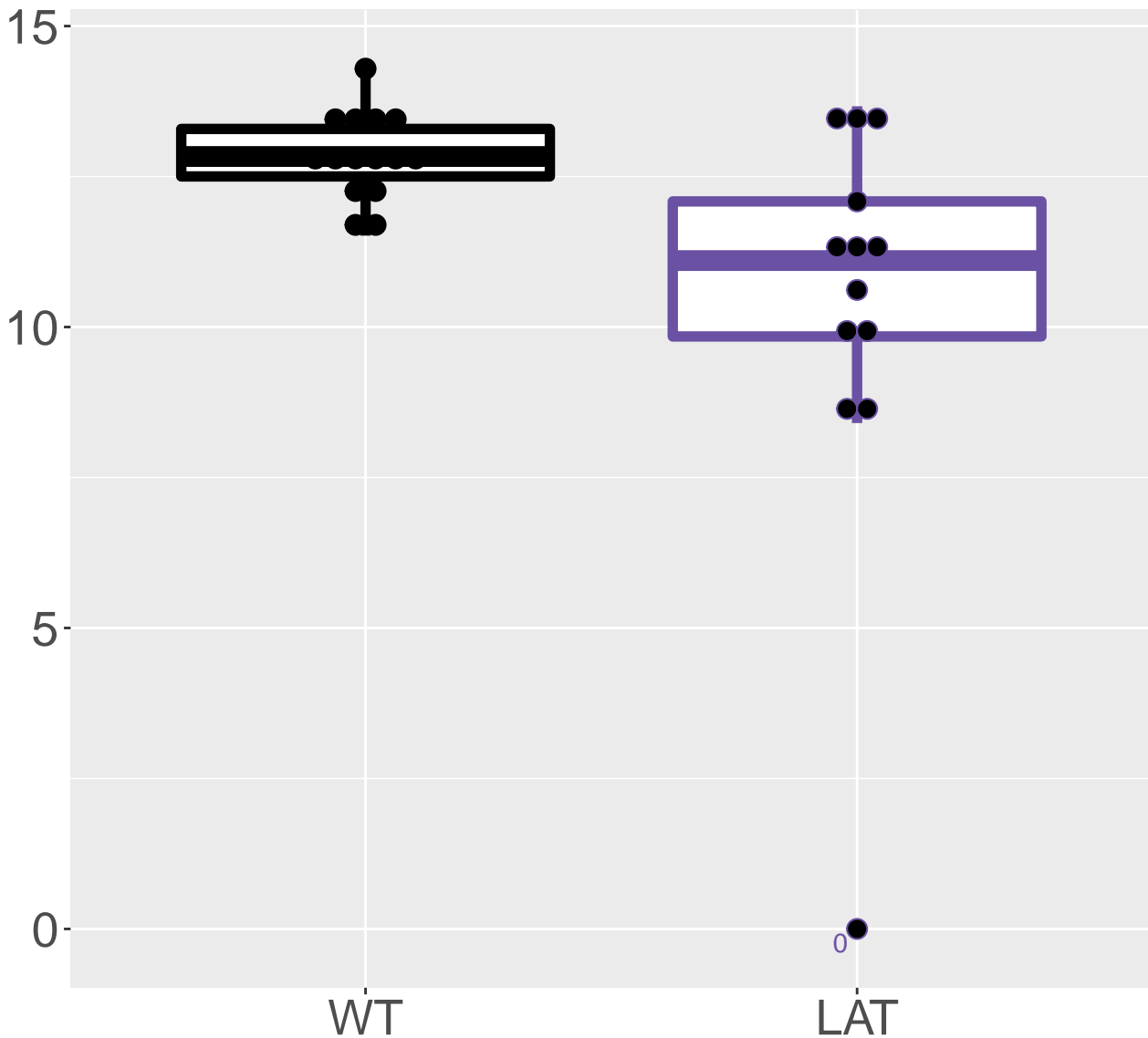
**FDR = 0.023, FC = -1**



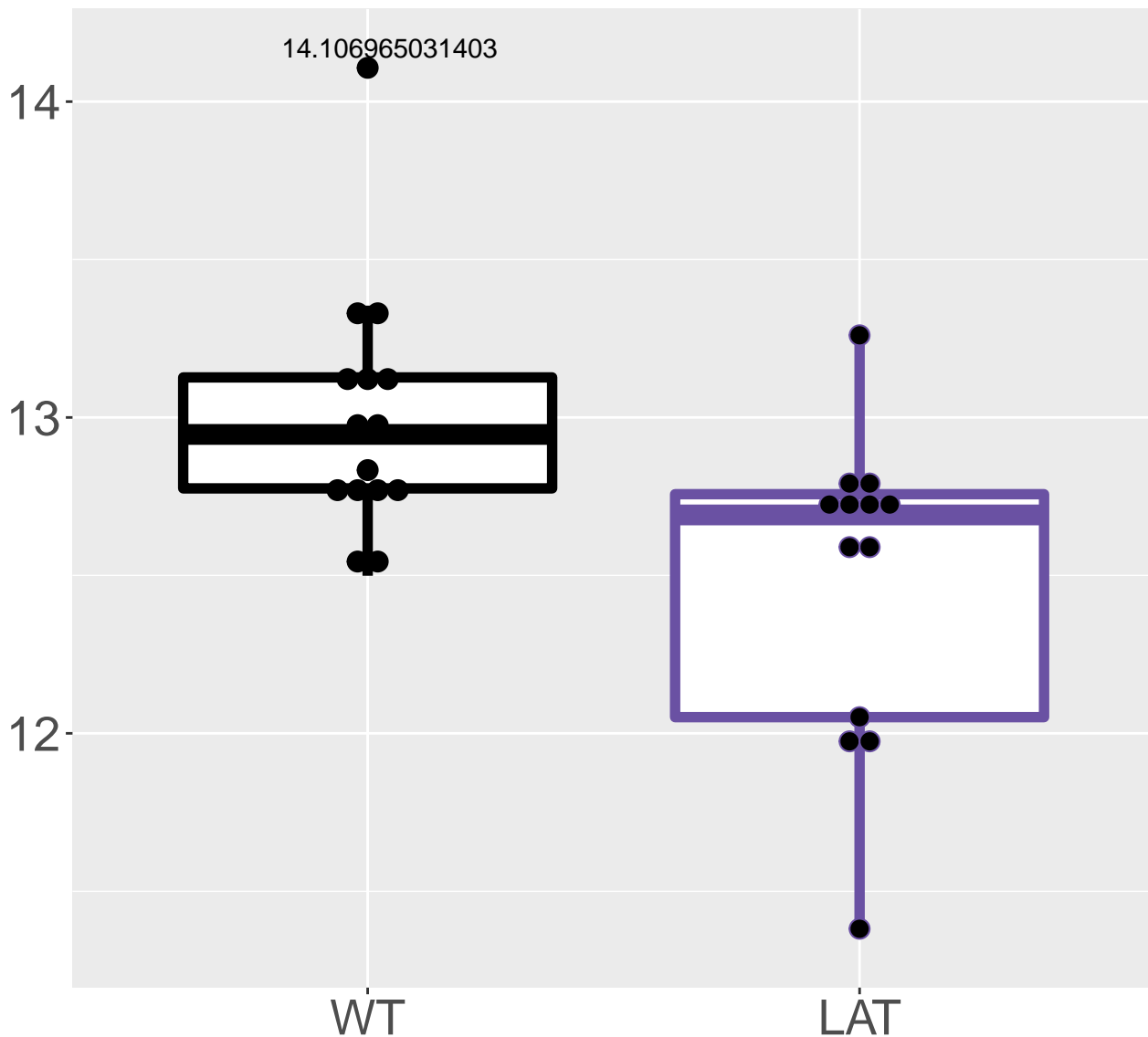
**M160.897T113.21\_21**  
**FDR = 0.023, FC = -0.59**



**M536.4615T384.48\_2**  
**FDR = 0.023, FC = -2.5**

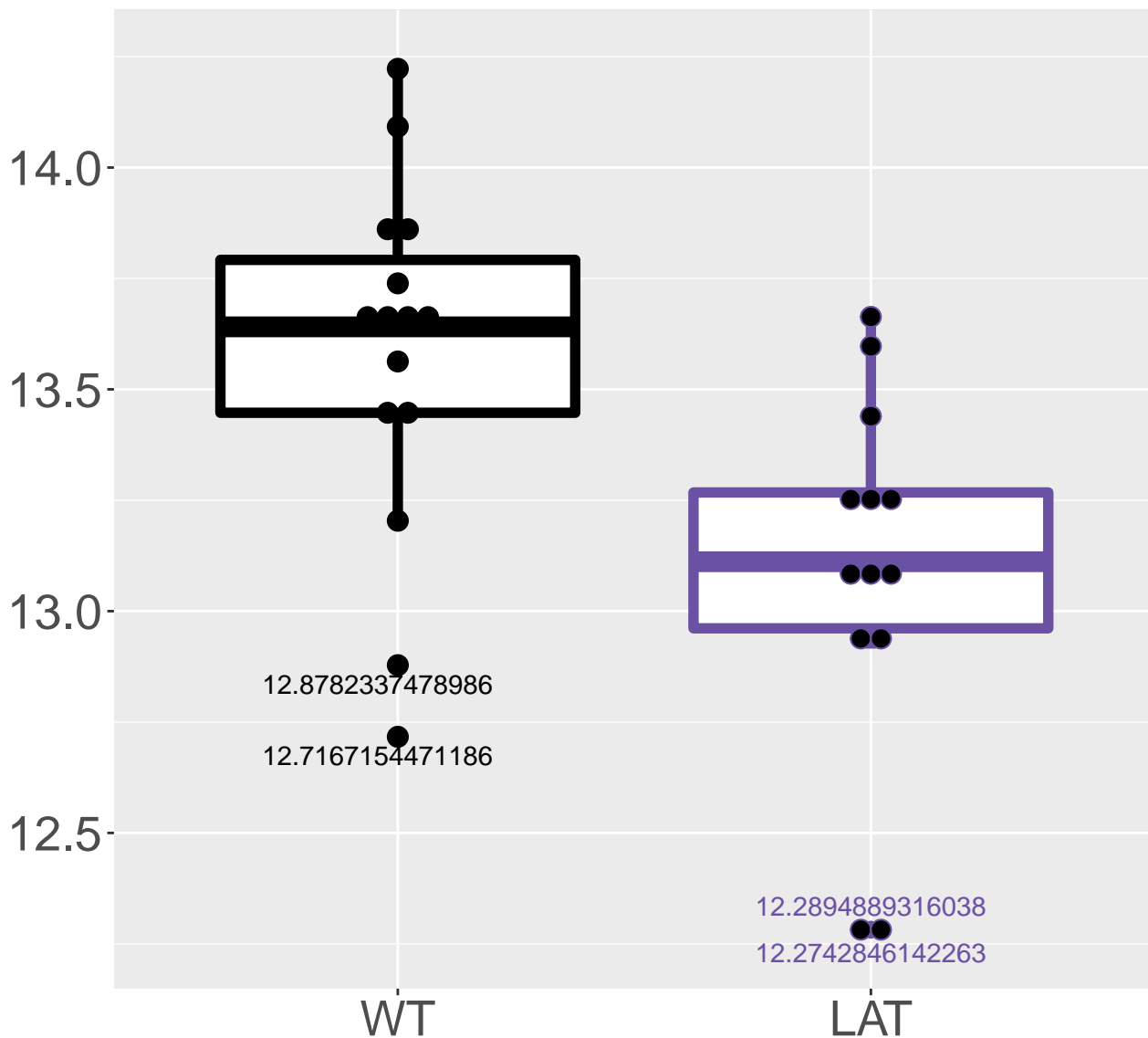


**M570.0567T277.66\_1**  
**FDR = 0.023, FC = -0.52**



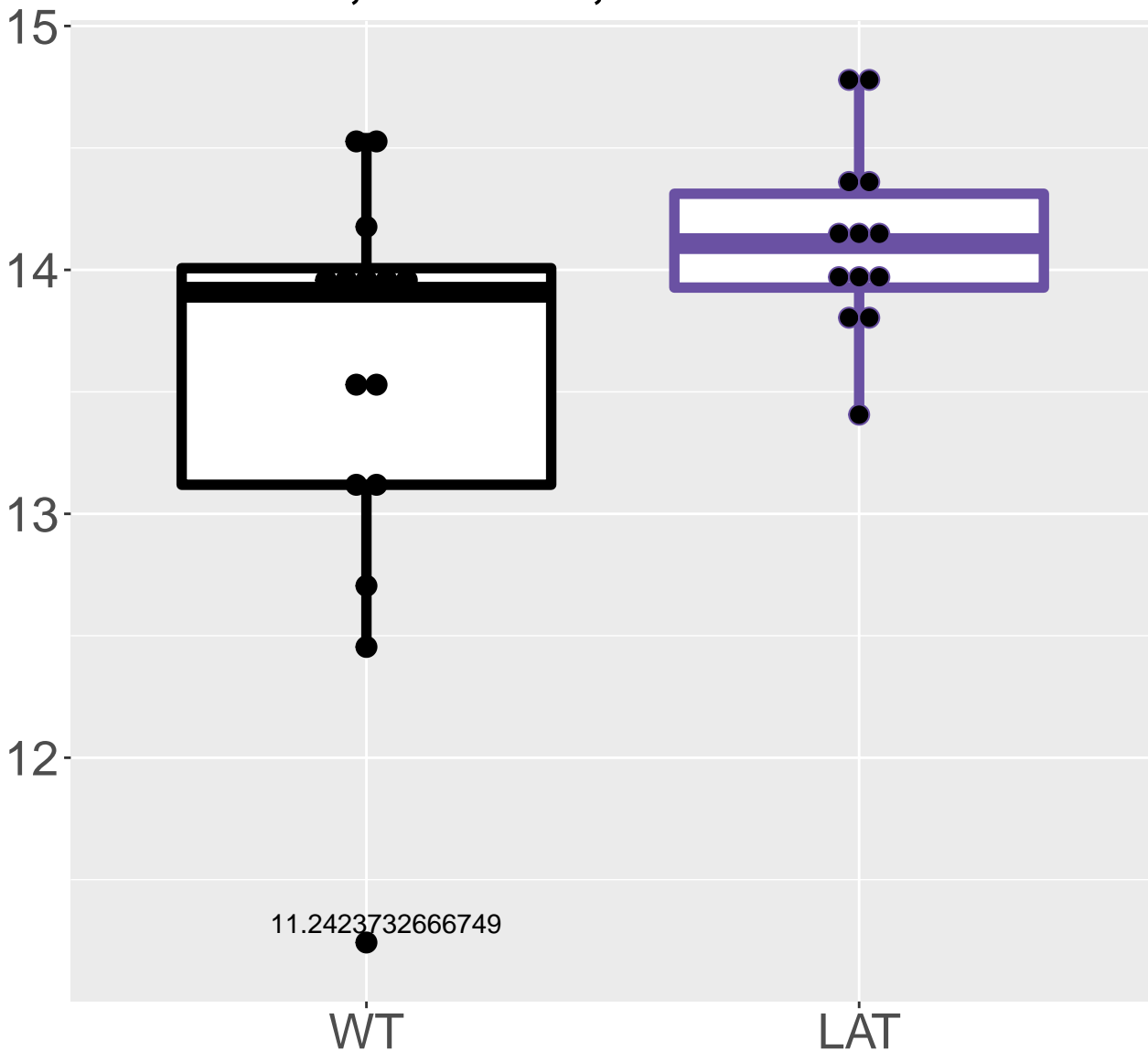
**M429.2003T178.79**

**FDR = 0.023, FC = -0.49**

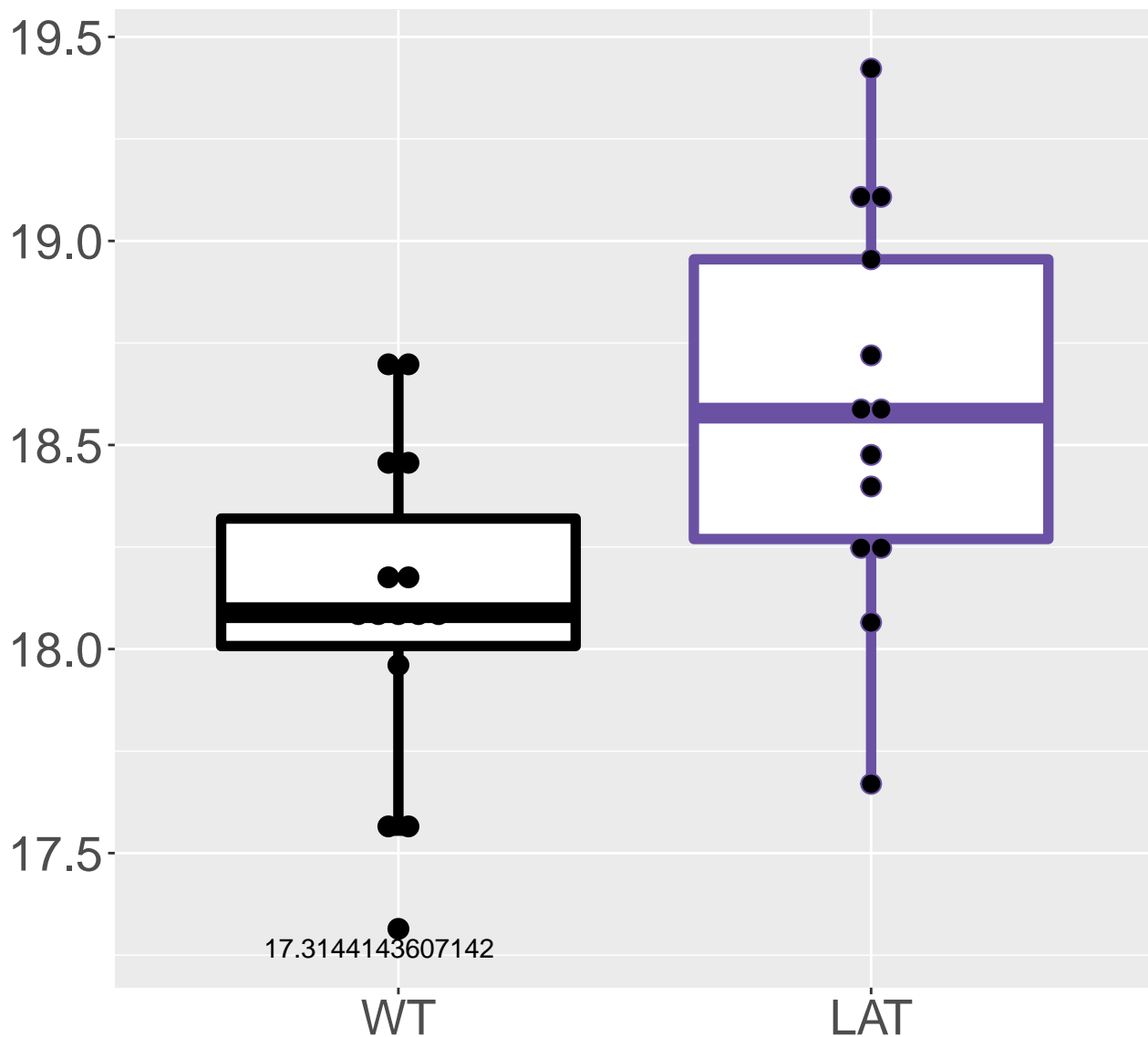


**M309.6296T487.19**

**FDR = 0.023, FC = 0.61, sex\***



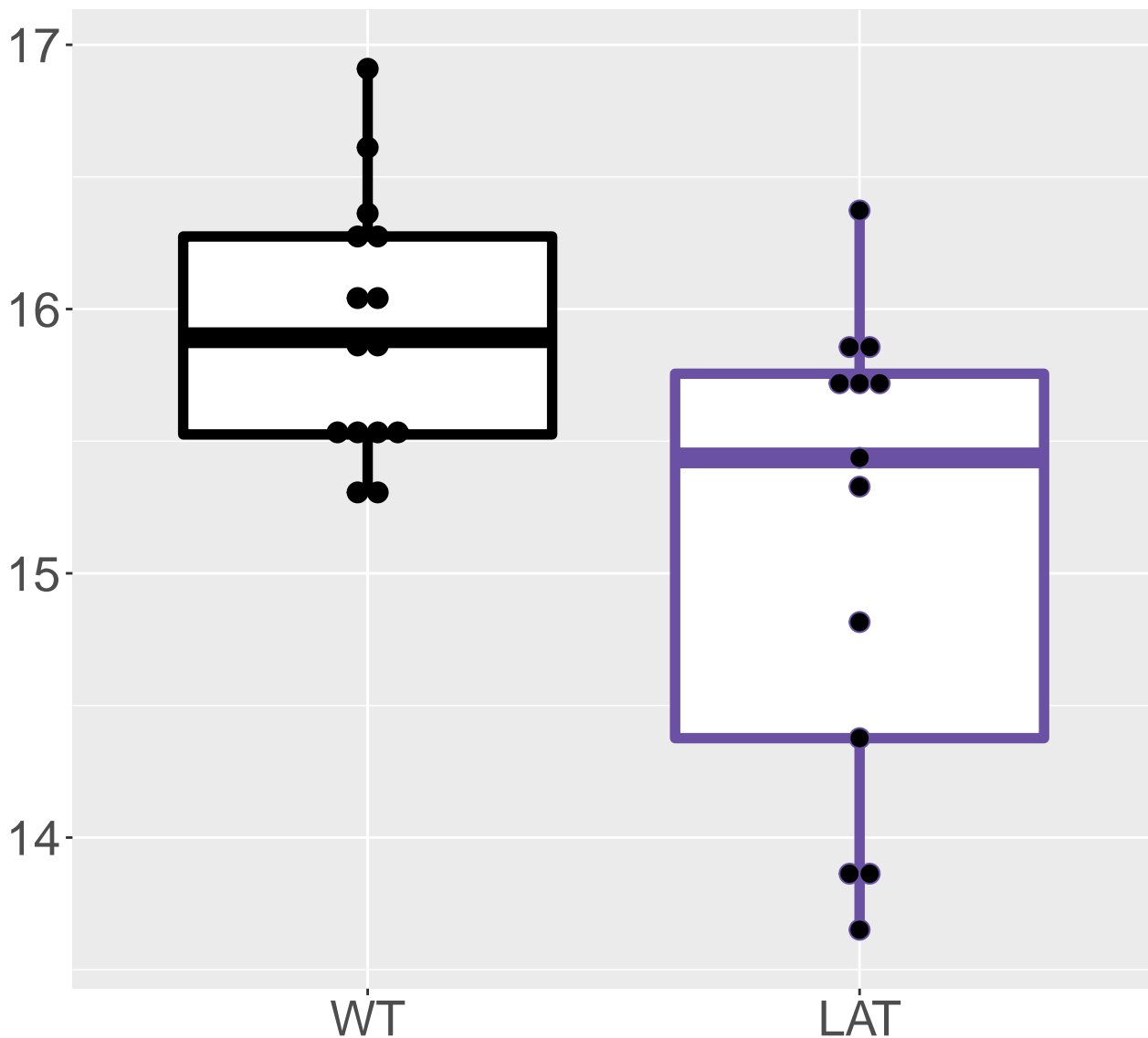
**M287.0152T45.64**  
**FDR = 0.023, FC = 0.49**



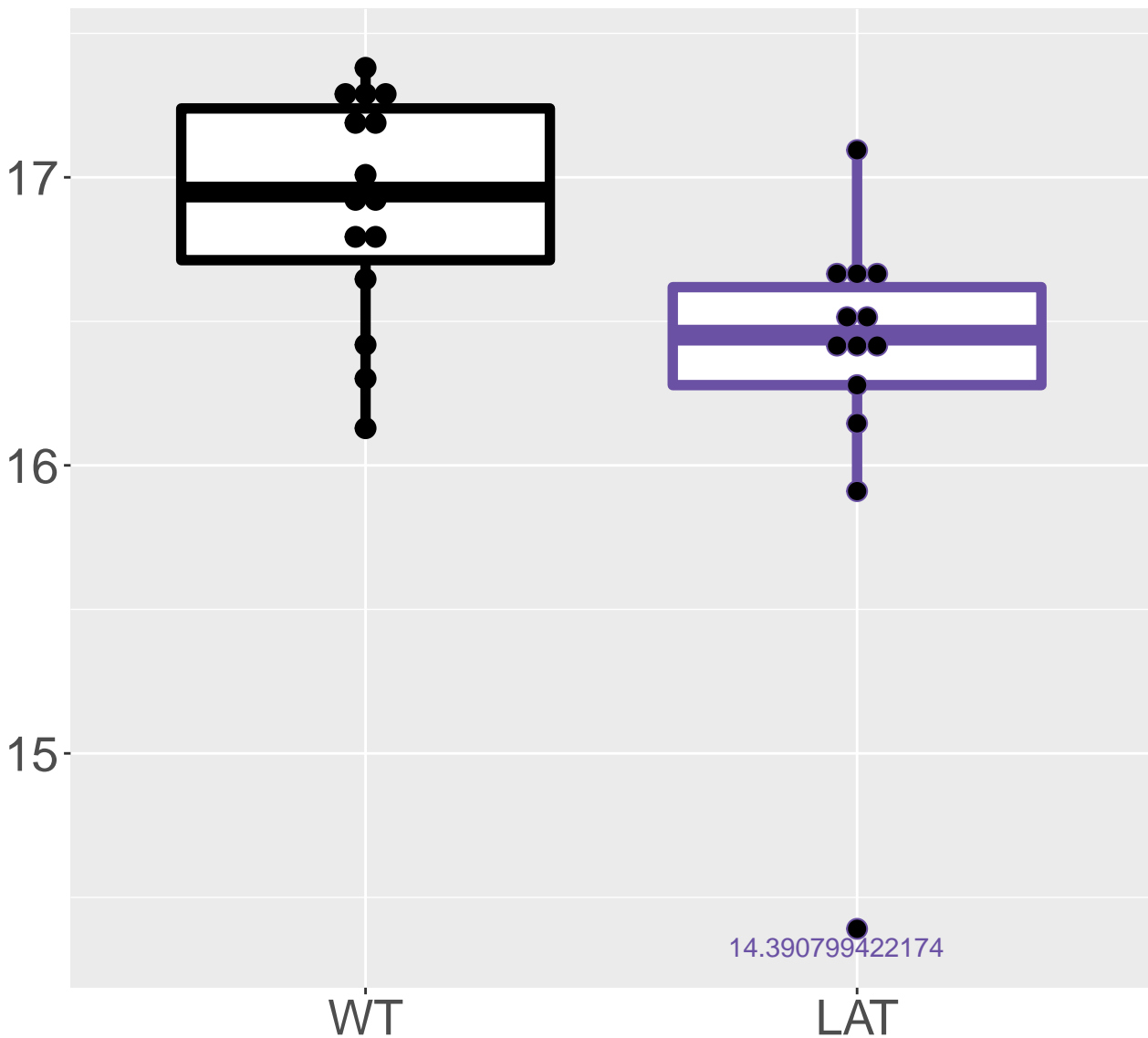


**M126.192T75.5\_6**

**FDR = 0.023, FC = -0.81**

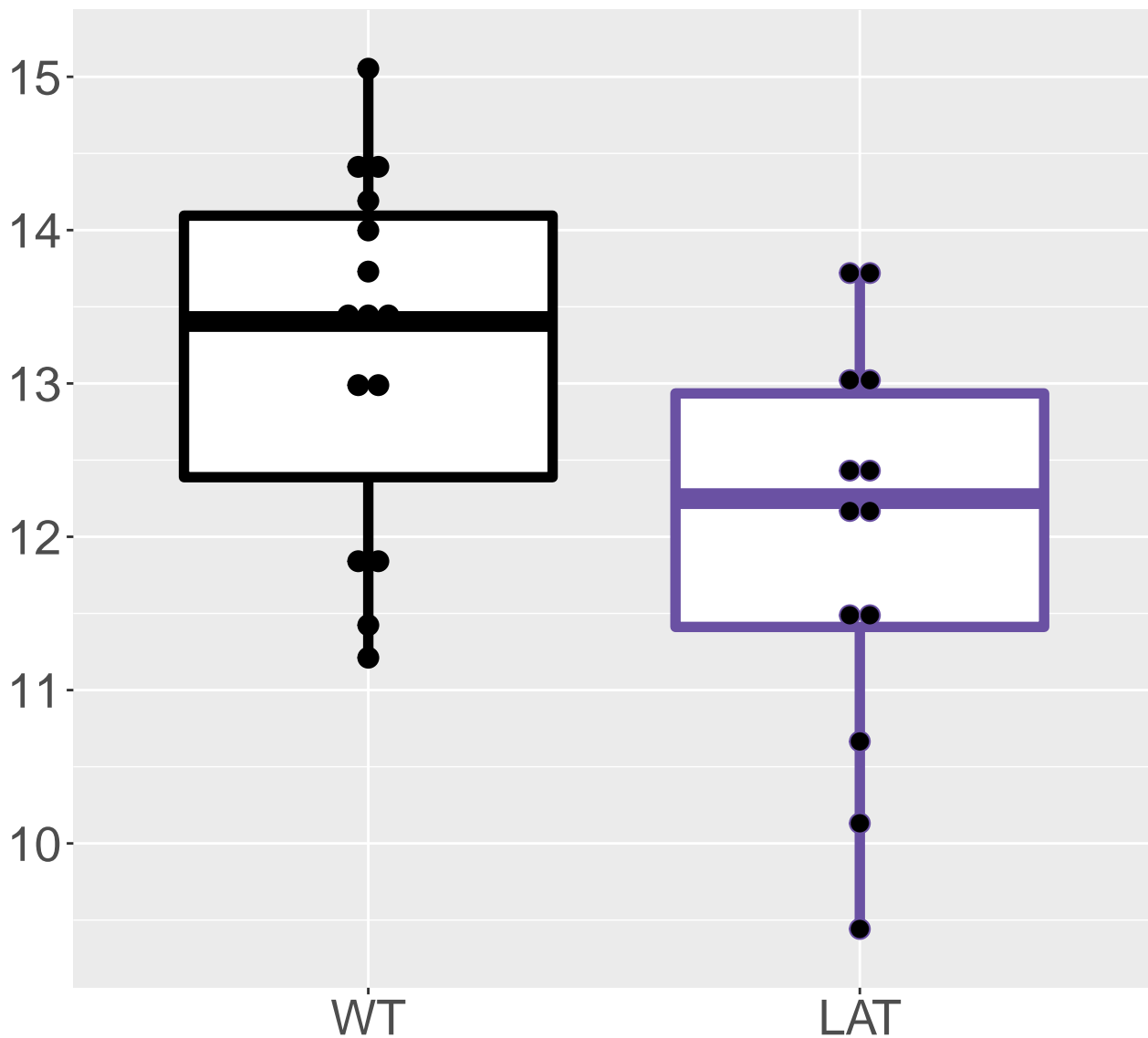


**M128.9768T75.44\_26**  
**FDR = 0.023, FC = -0.59**

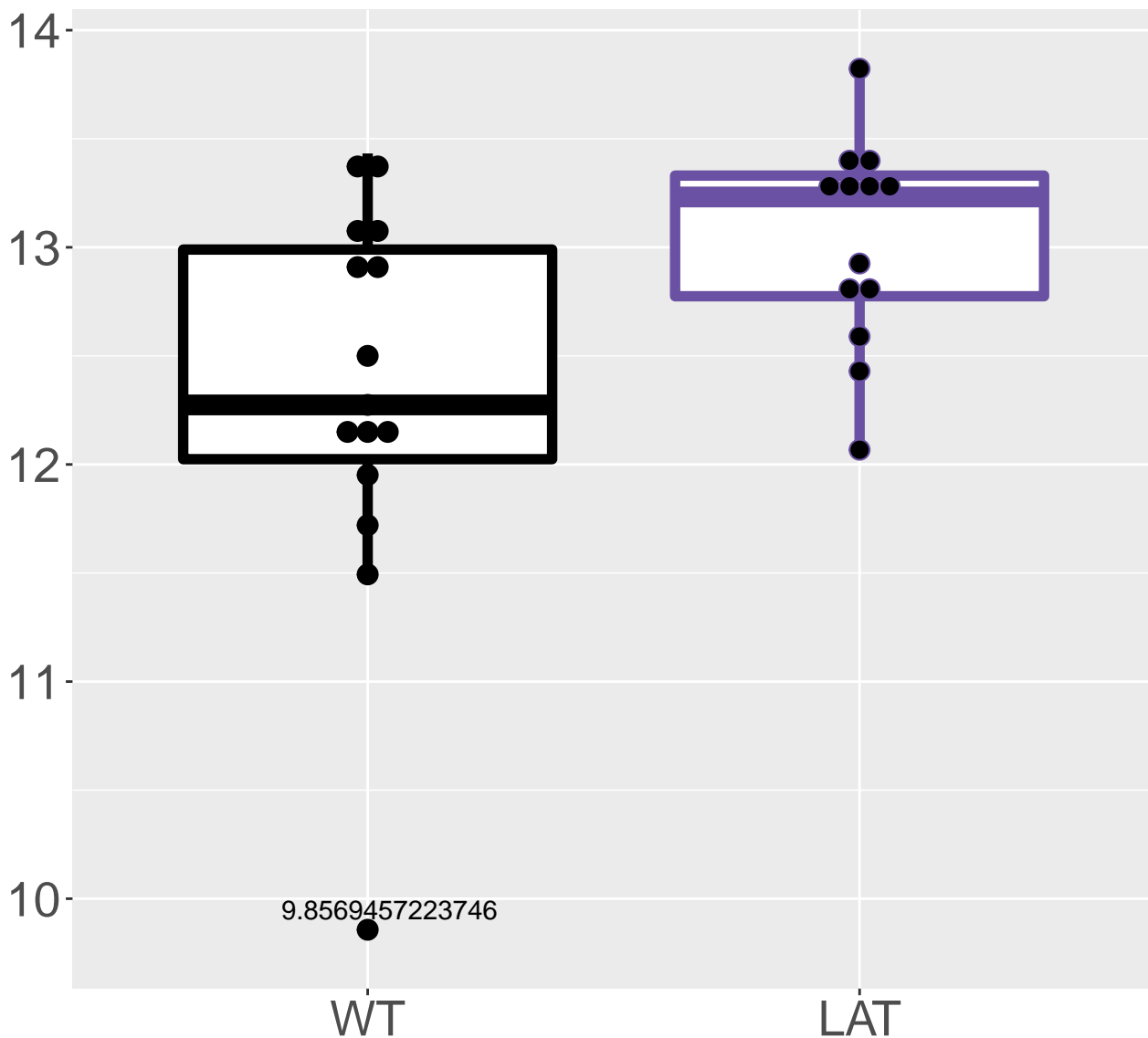


**M282.4815T101.6**

**FDR = 0.023, FC = -1.2**

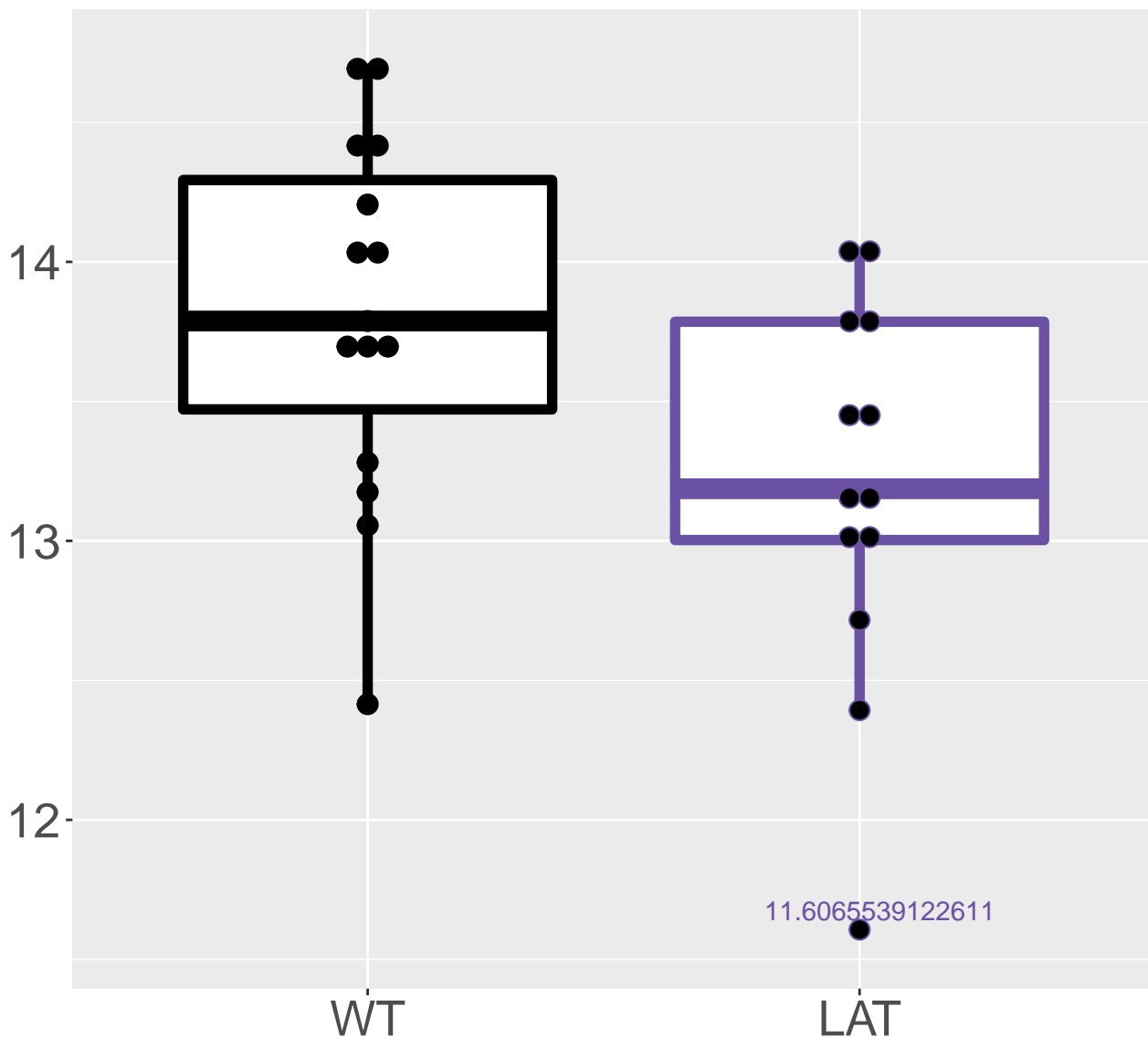


**M545.1244T279.62\_3**  
**FDR = 0.023, FC = 0.7**



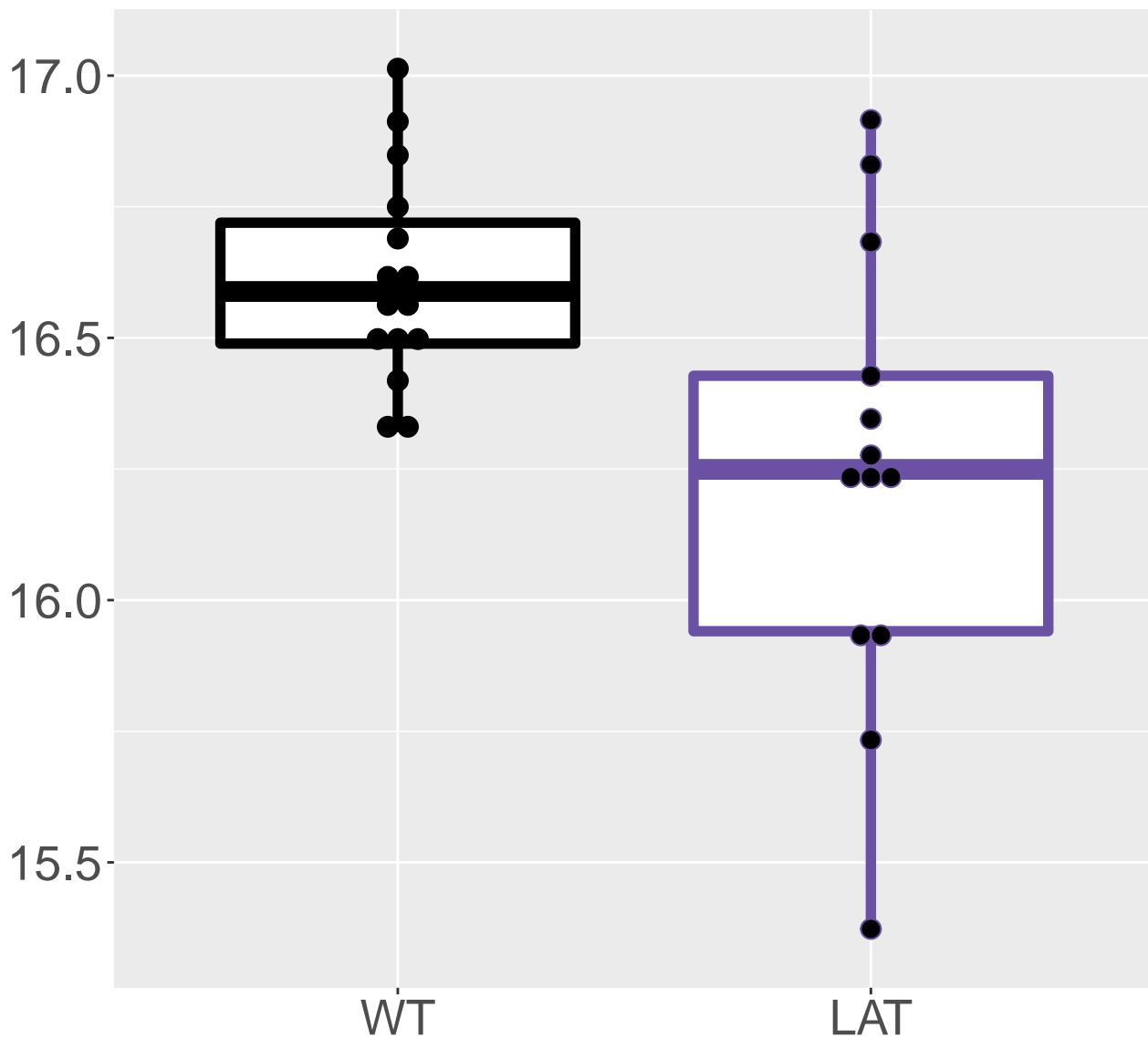
**M482.5943T259.1\_1**

**FDR = 0.023, FC = -0.62, sex\*\***

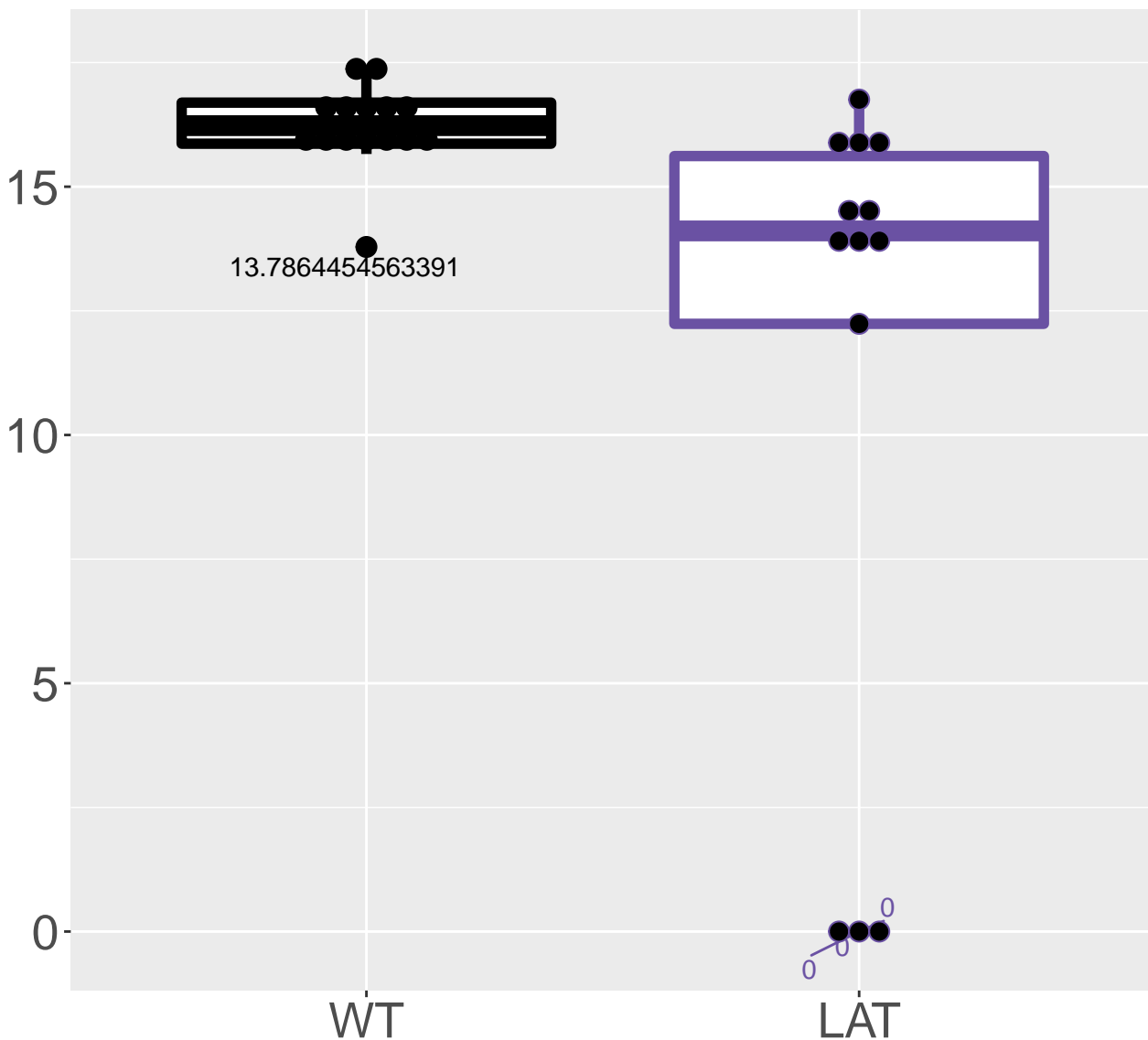


**M465.0429T45.69**

**FDR = 0.023, FC = -0.37**

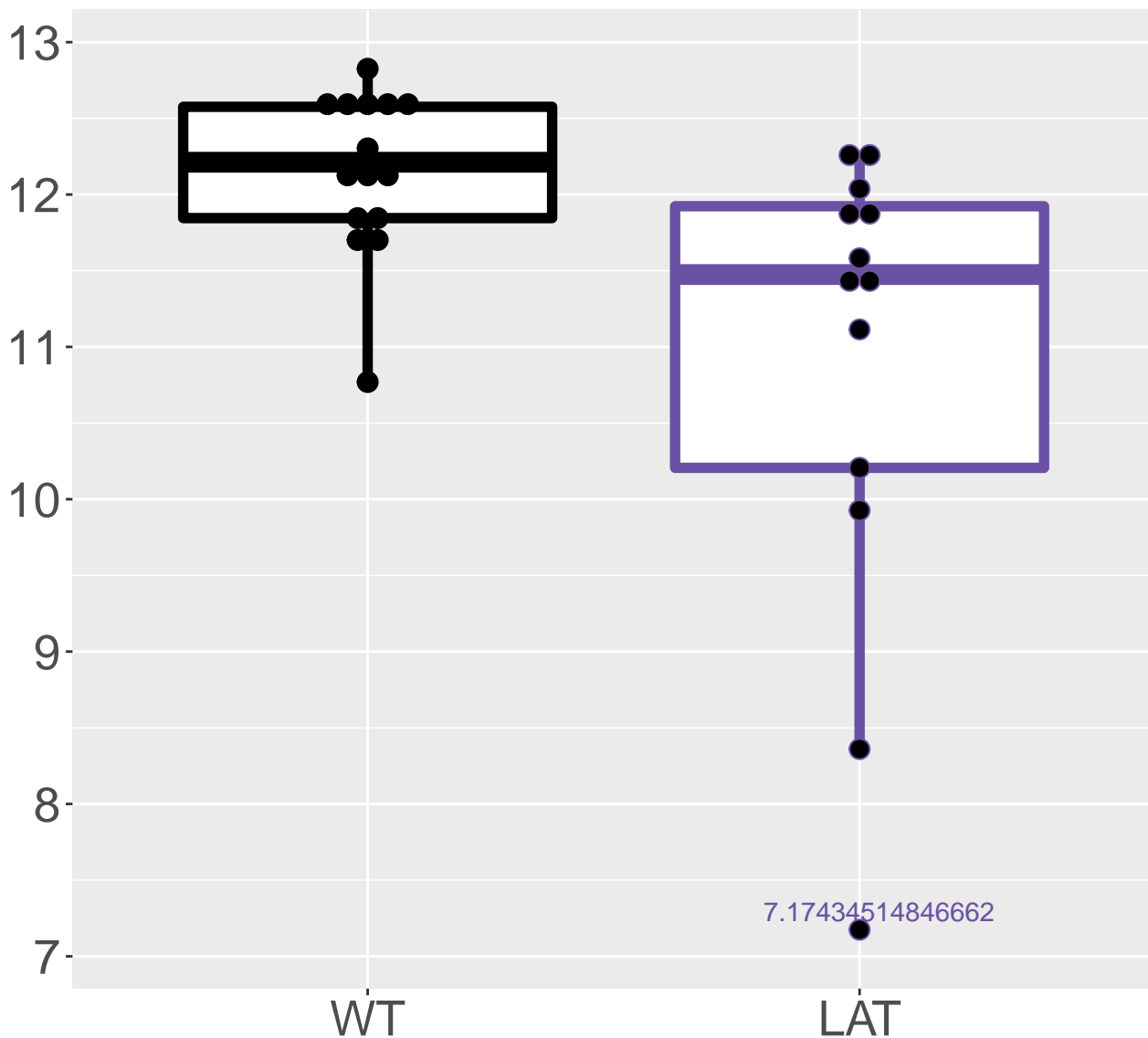


**FDR = 0.023, FC = -4.8**



**M366.2081T199.29**

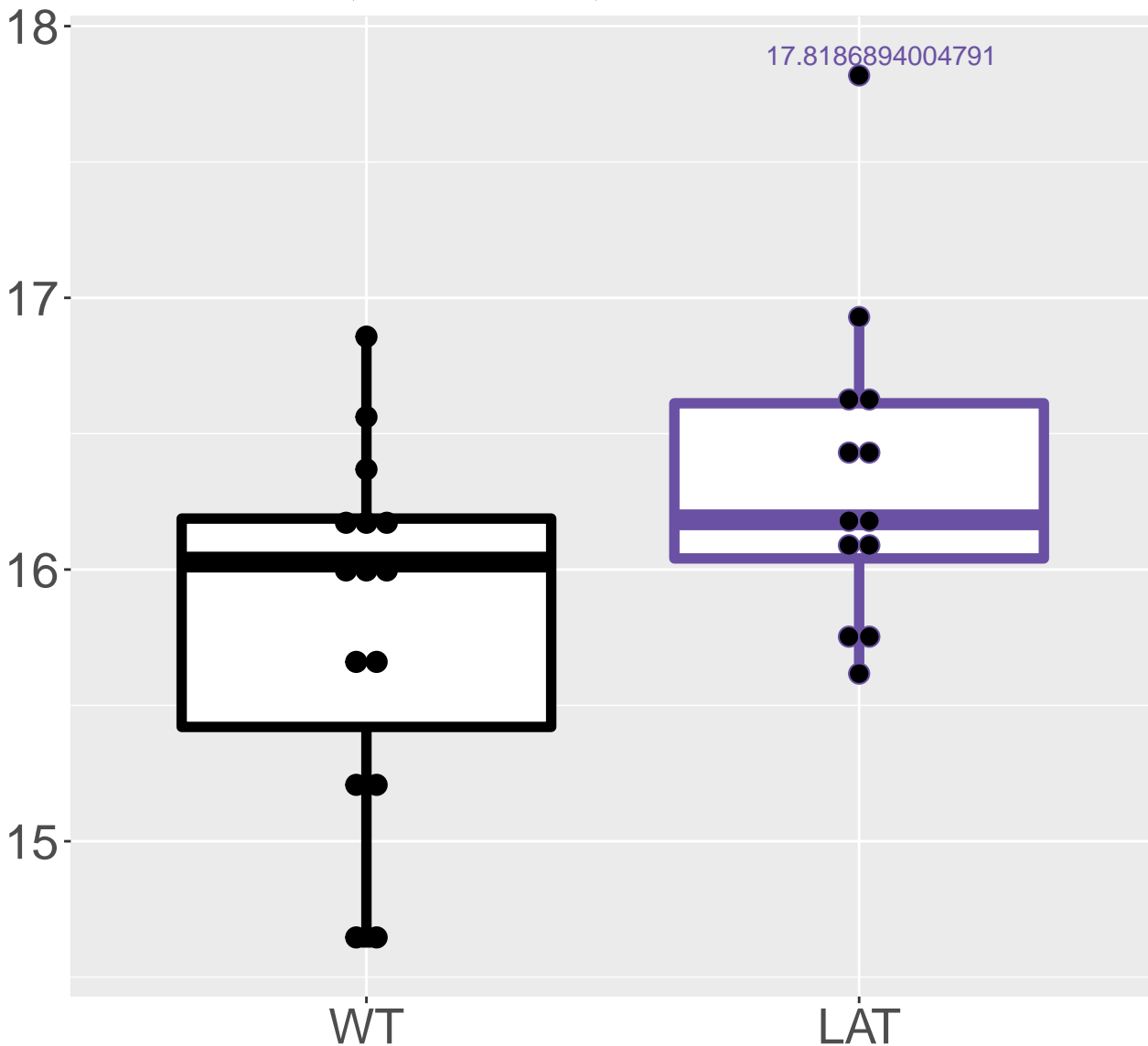
**FDR = 0.023, FC = -1.3**



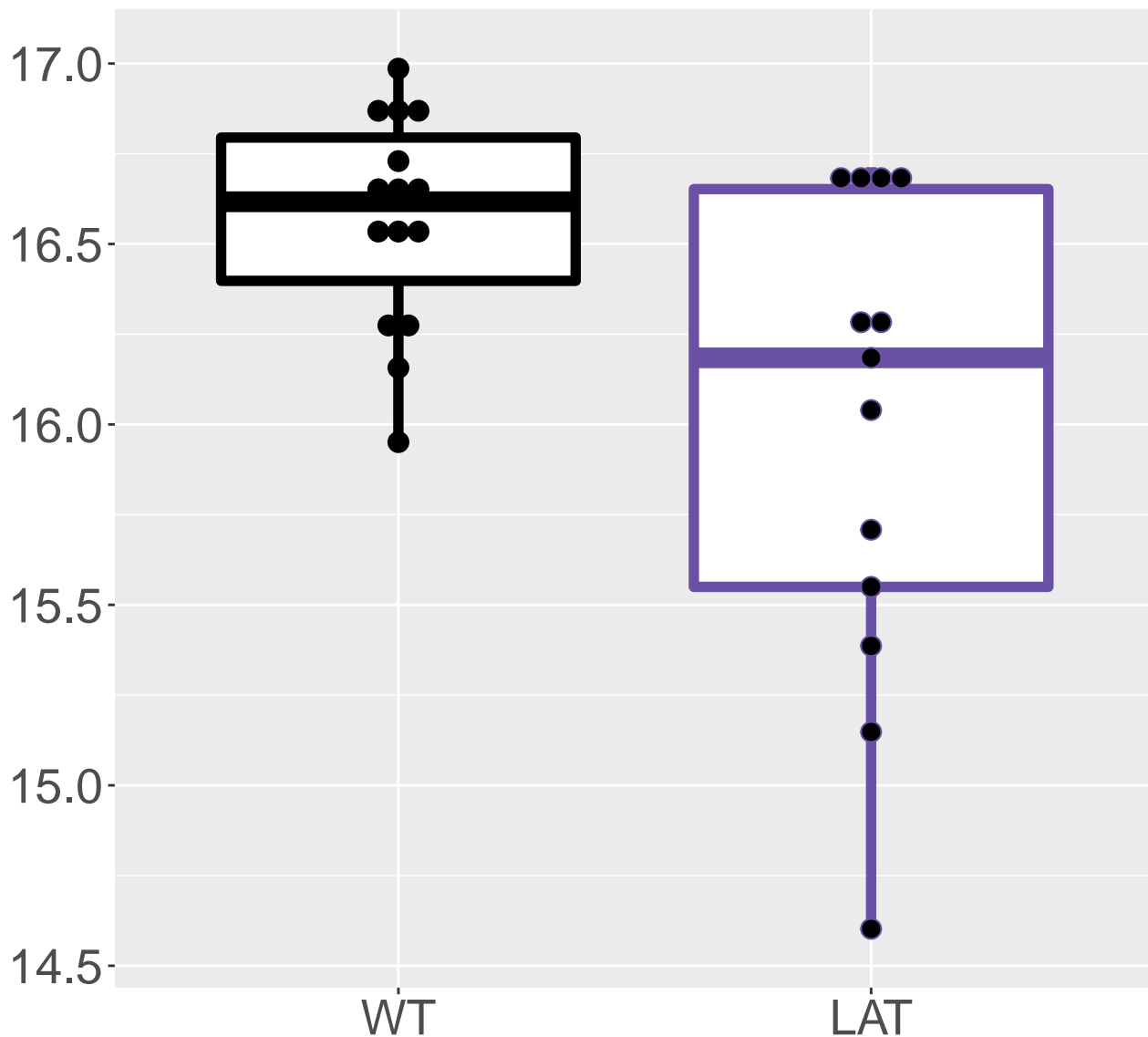


**M305.6227T487.49**

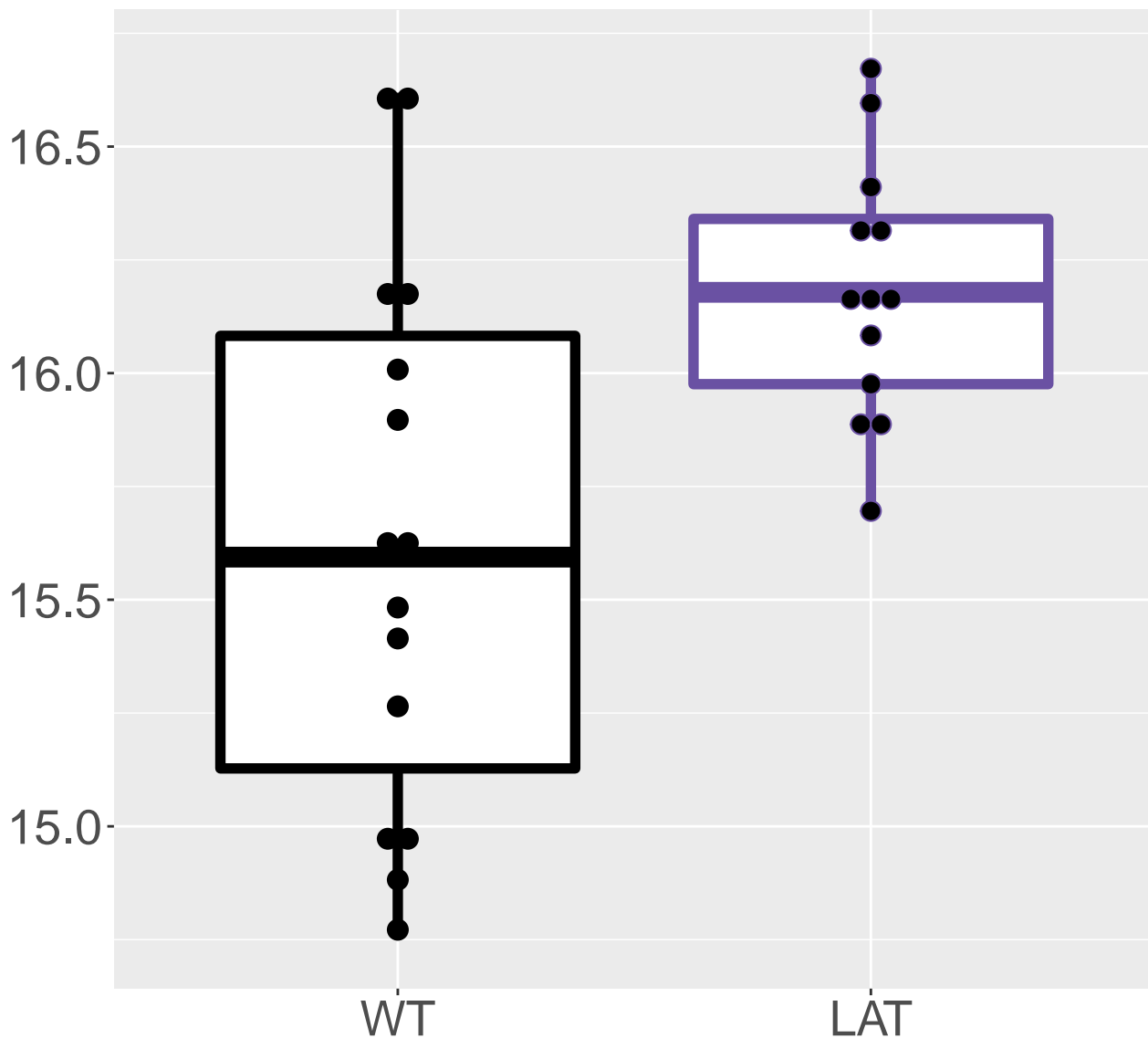
**FDR = 0.023, FC = 0.52, sex\***



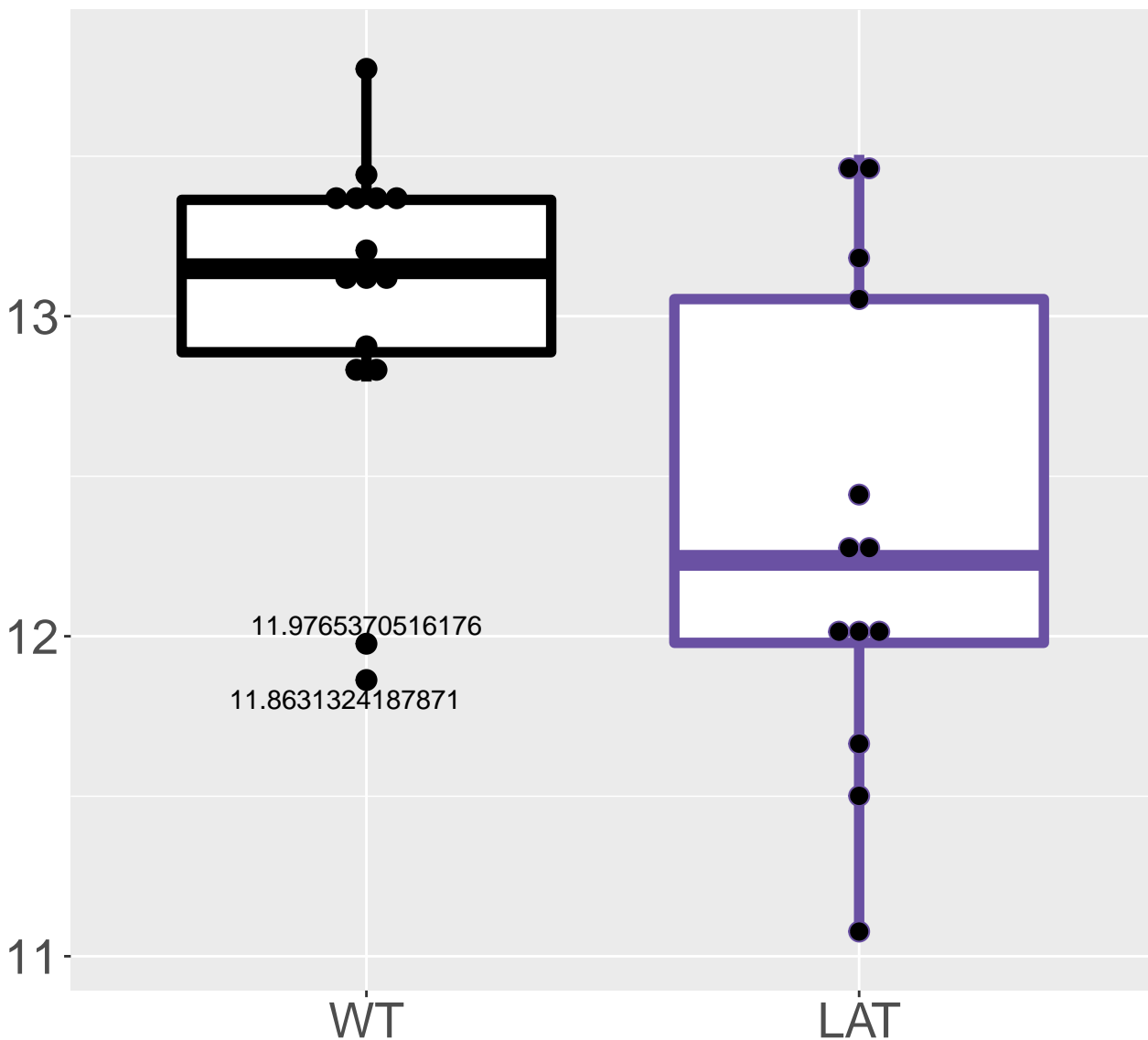
**M170.0818T113.03\_27**  
**FDR = 0.023, FC = -0.58**



**M827.348T369.44\_10**  
**FDR = 0.024, FC = 0.55**

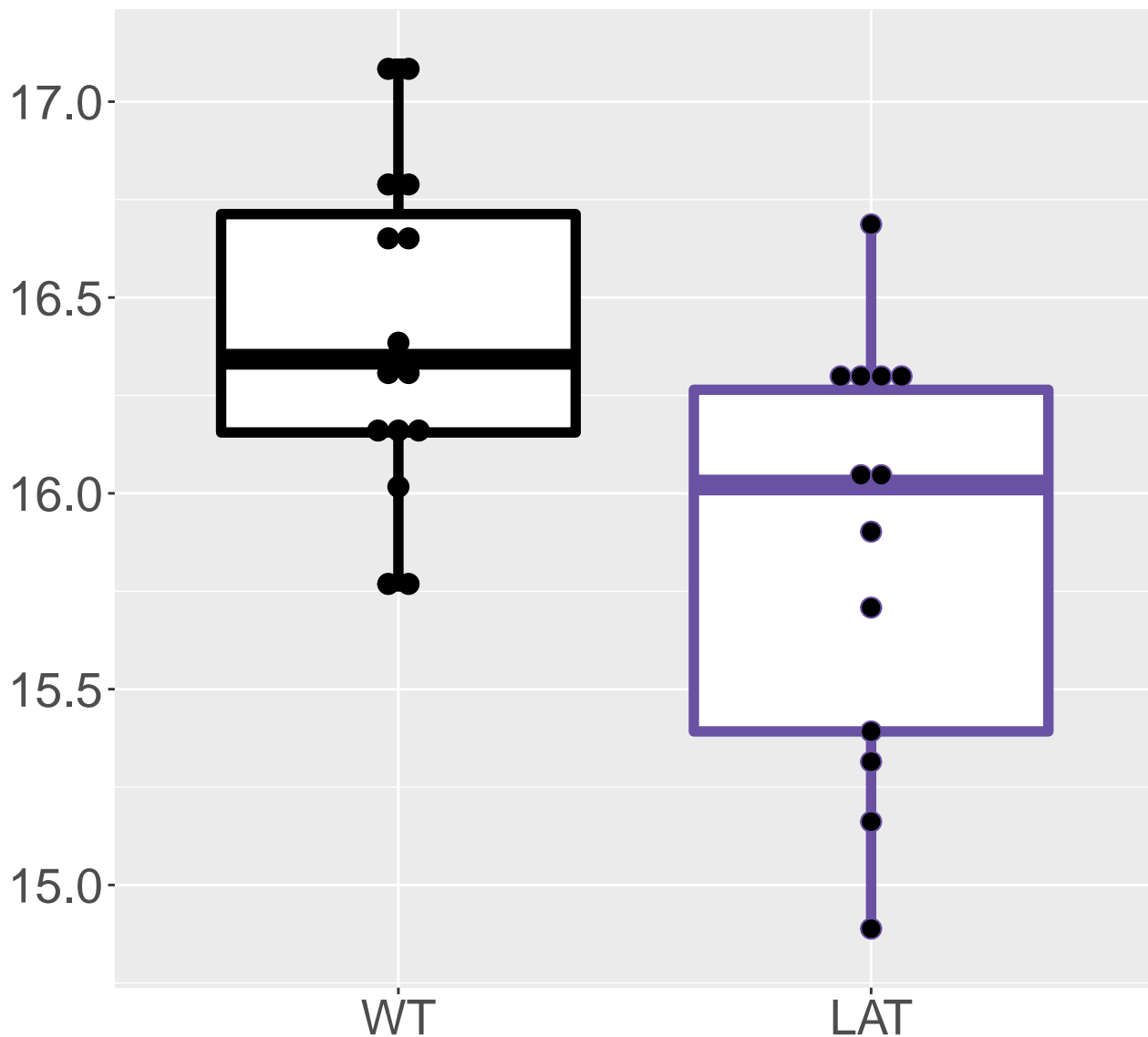


**FDR = 0.024, FC = -0.7**



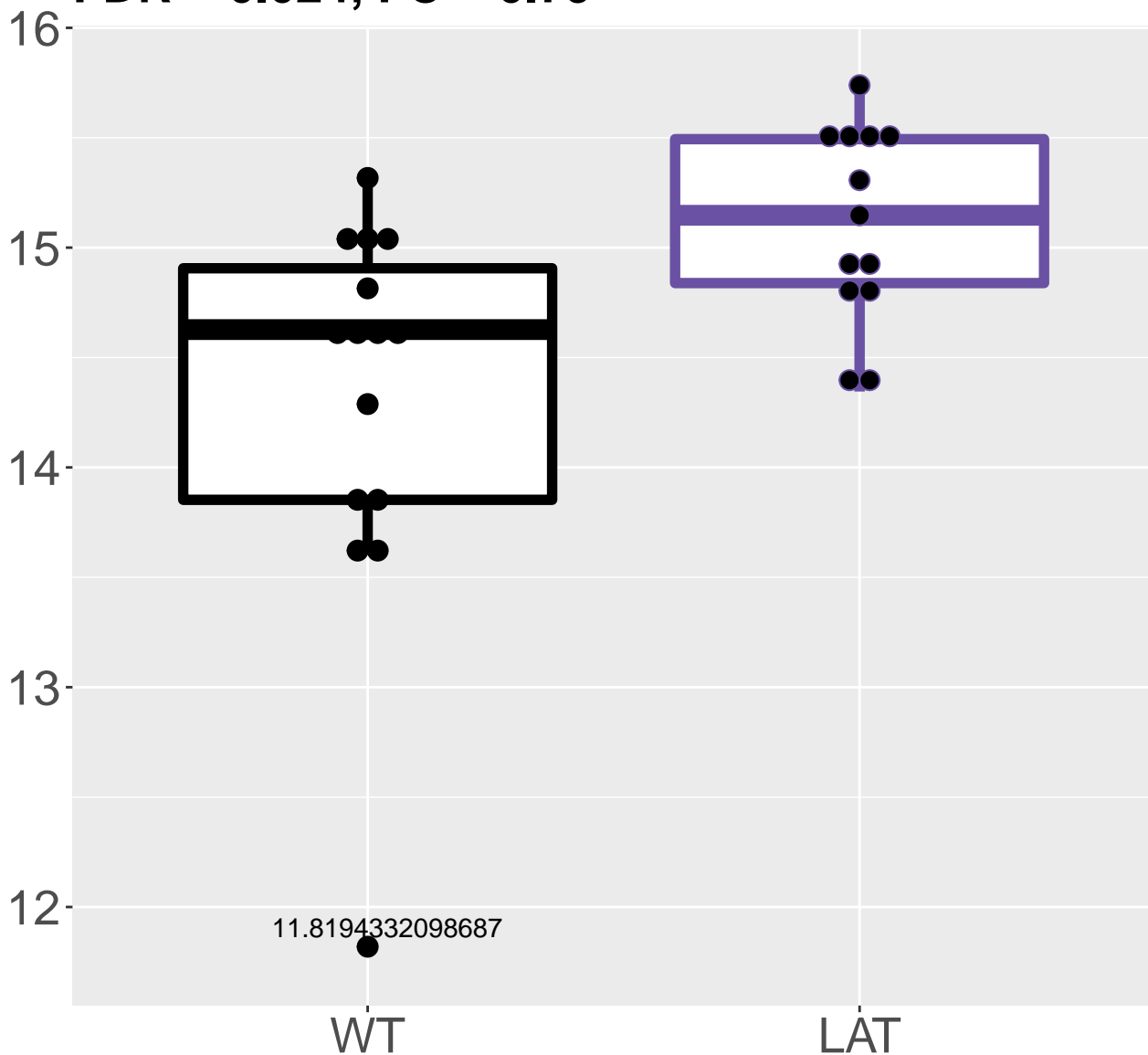
**M127.3082T75.44\_26**

**FDR = 0.024, FC = -0.54**



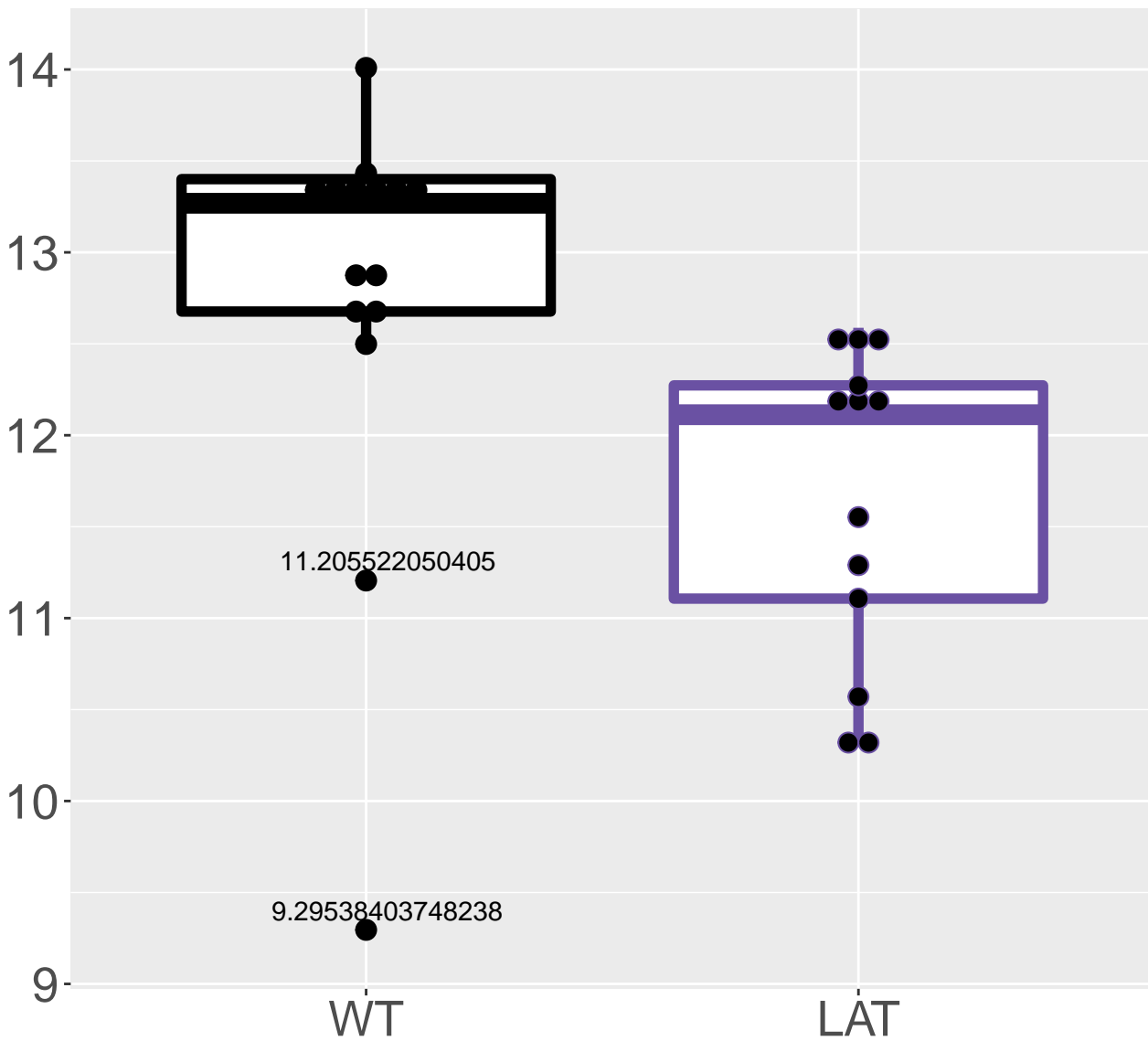
**M308.1721T208.99**

**FDR = 0.024, FC = 0.79**

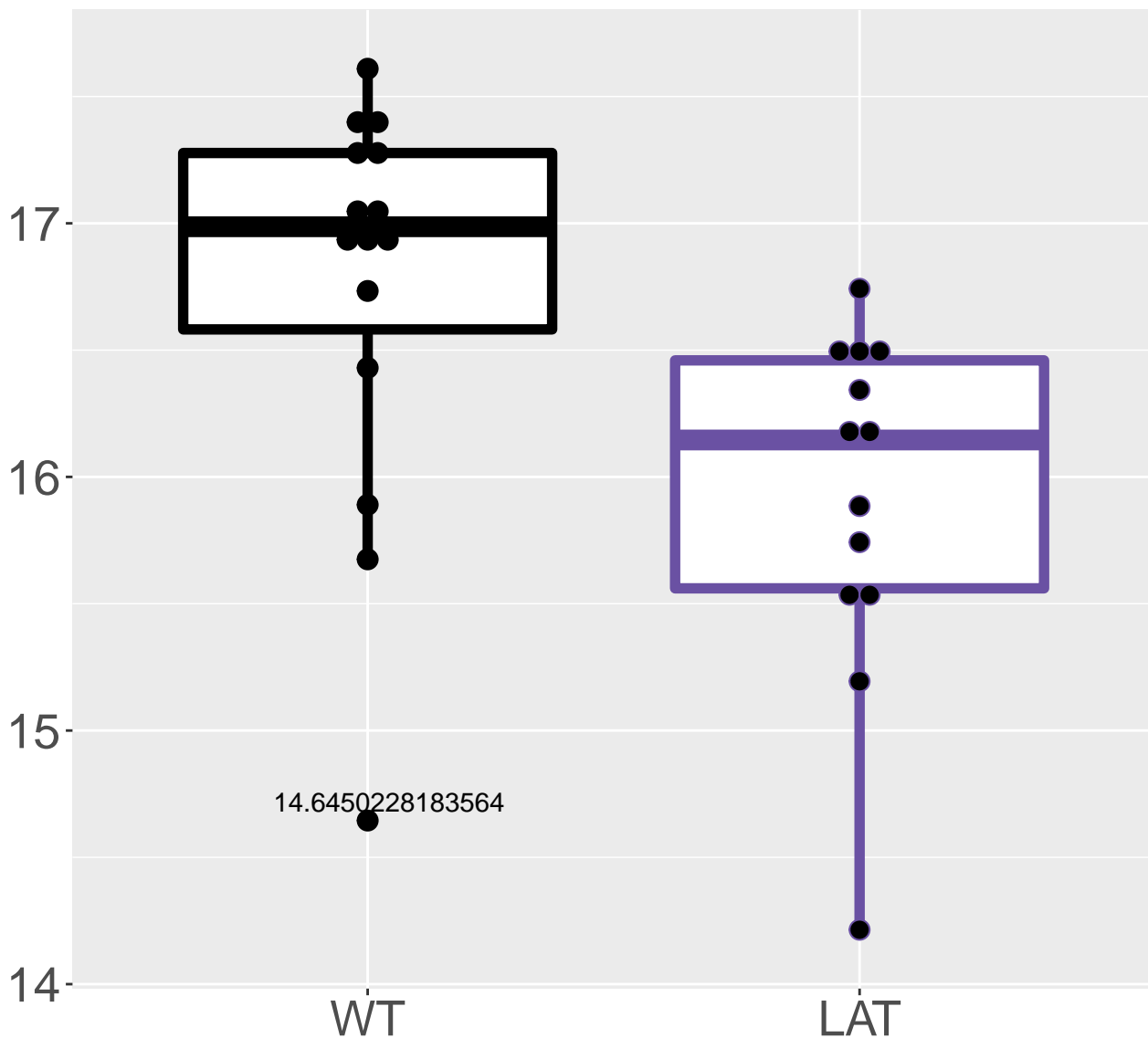


# M494.7858T292.1

**FDR = 0.024, FC = -1.1**

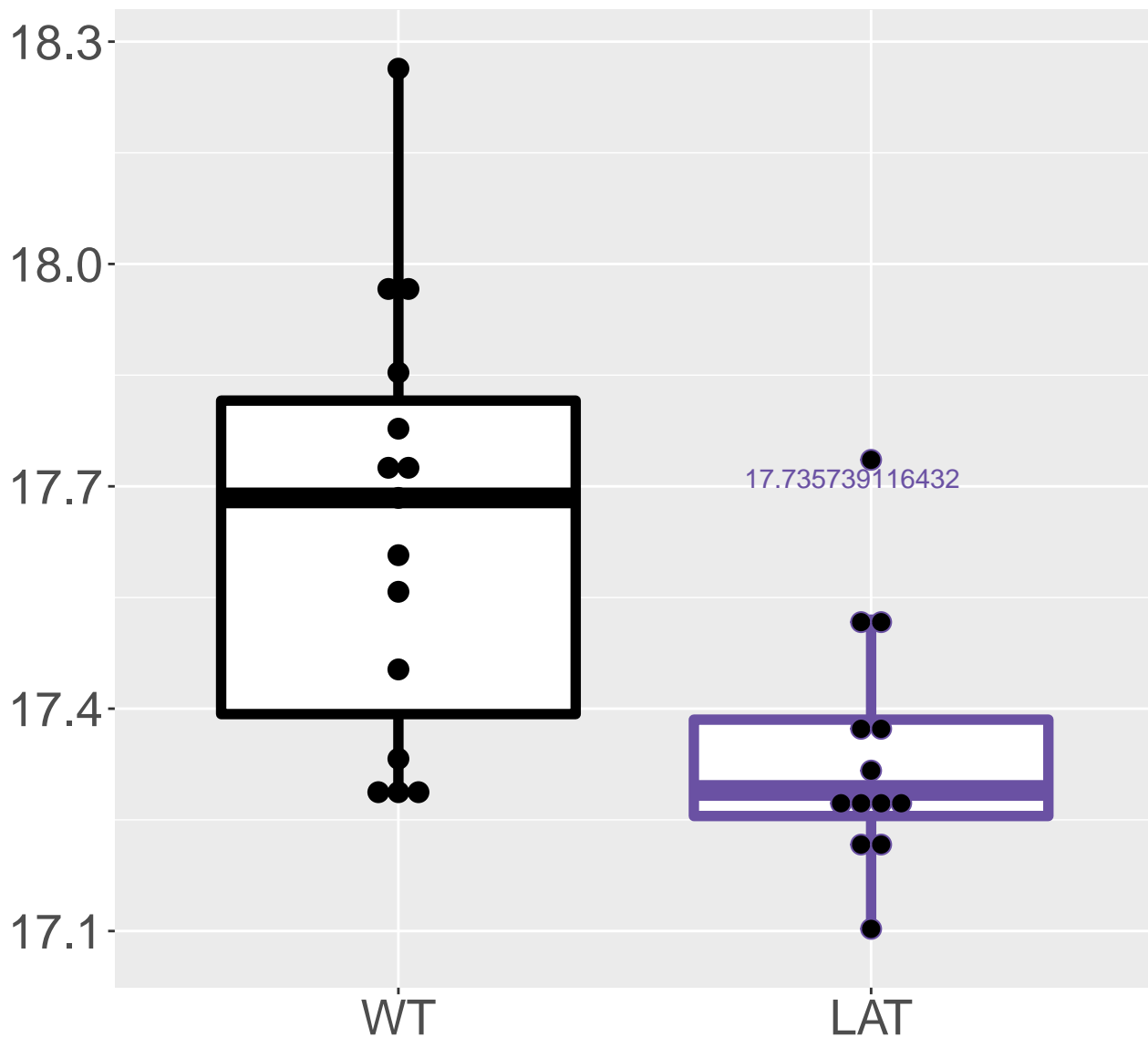


**M133.8178T75.51\_11**  
**FDR = 0.024, FC = -0.82**



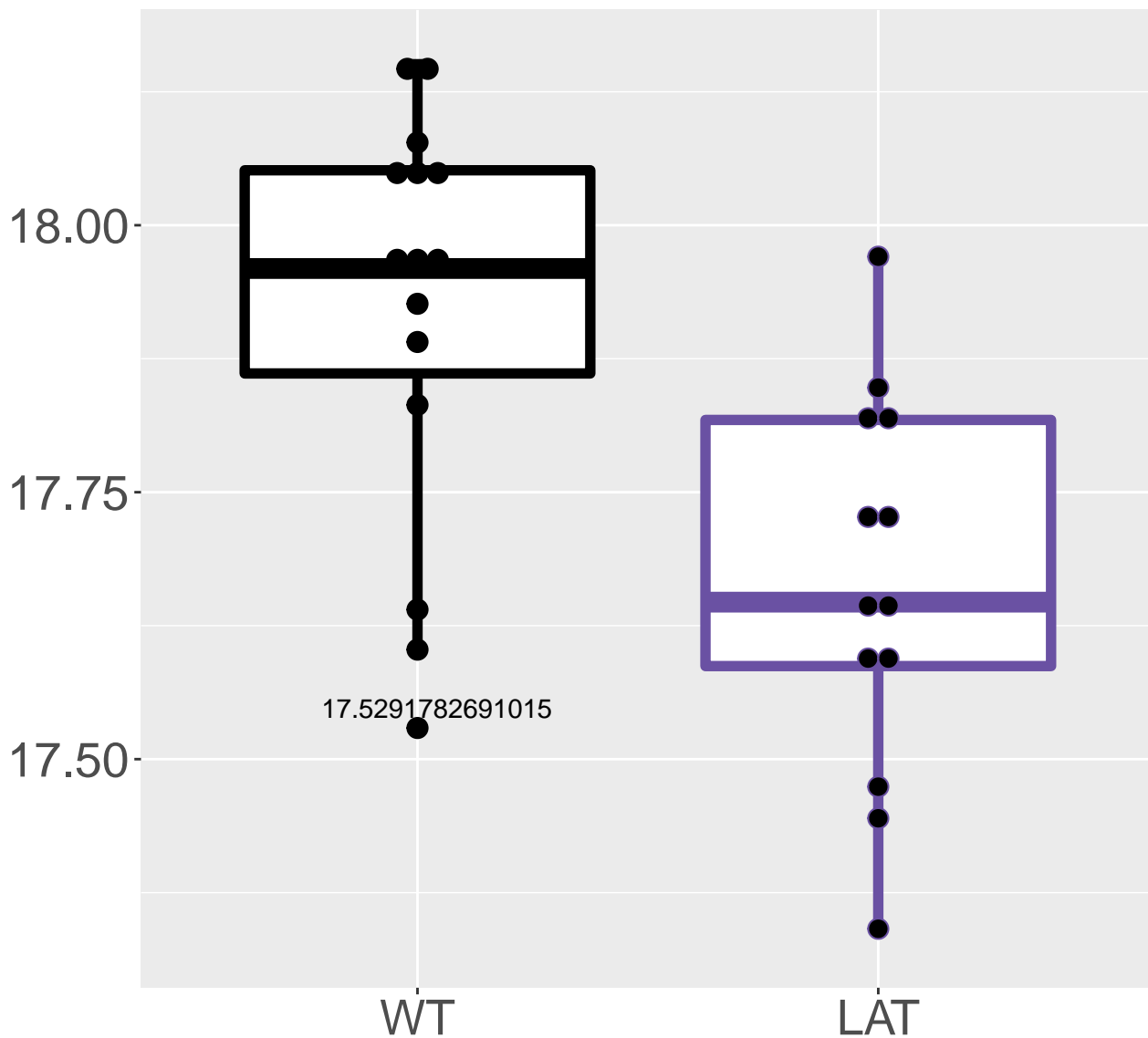


**M604.7655T371.35\_4**  
**FDR = 0.024, FC = -0.31**



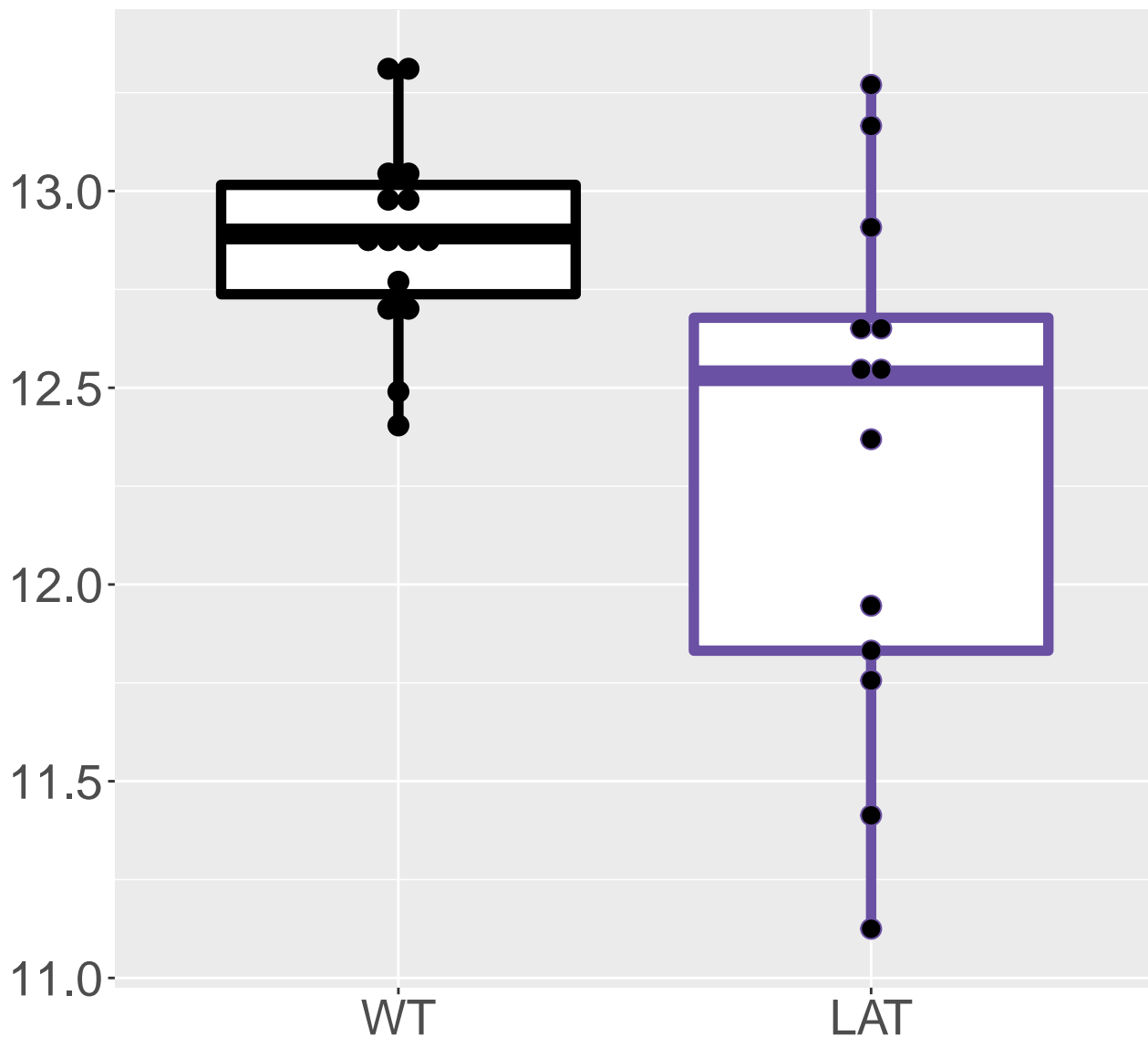
**M205.9215T74.99**

**FDR = 0.024, FC = -0.26**



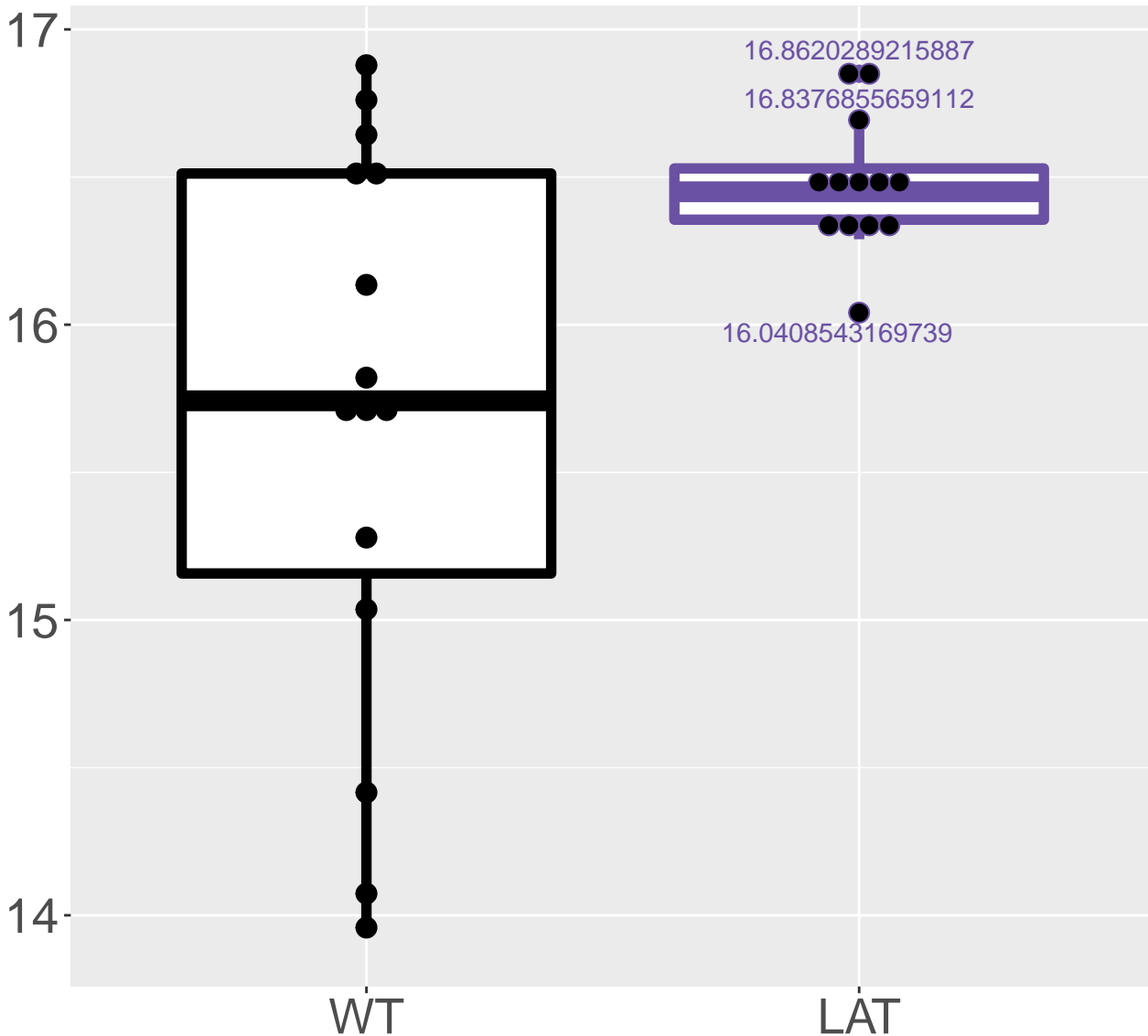
**M632.3442T252.72**

**FDR = 0.024, FC = -0.56**

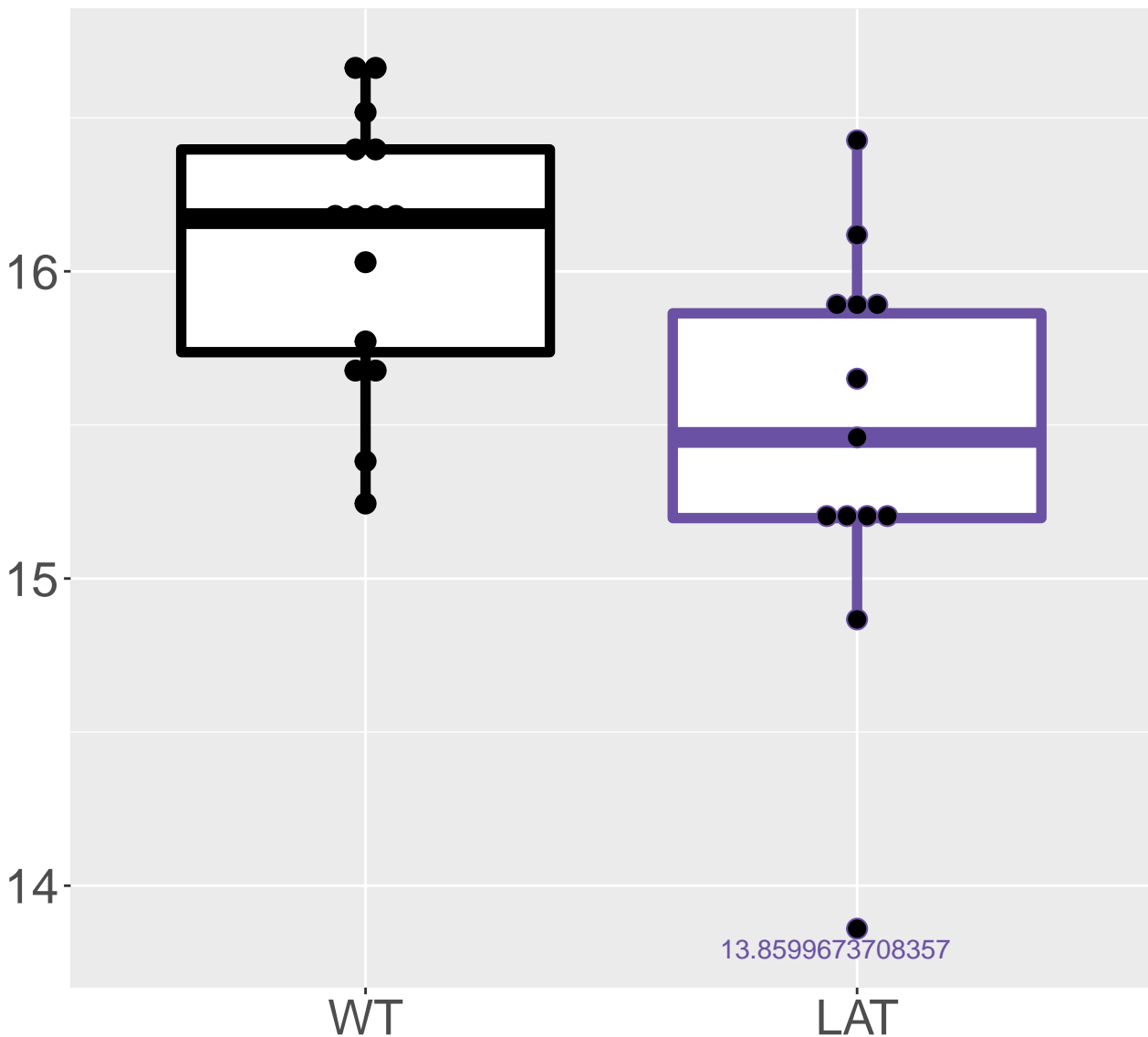


**M801.7437T393.76\_3**

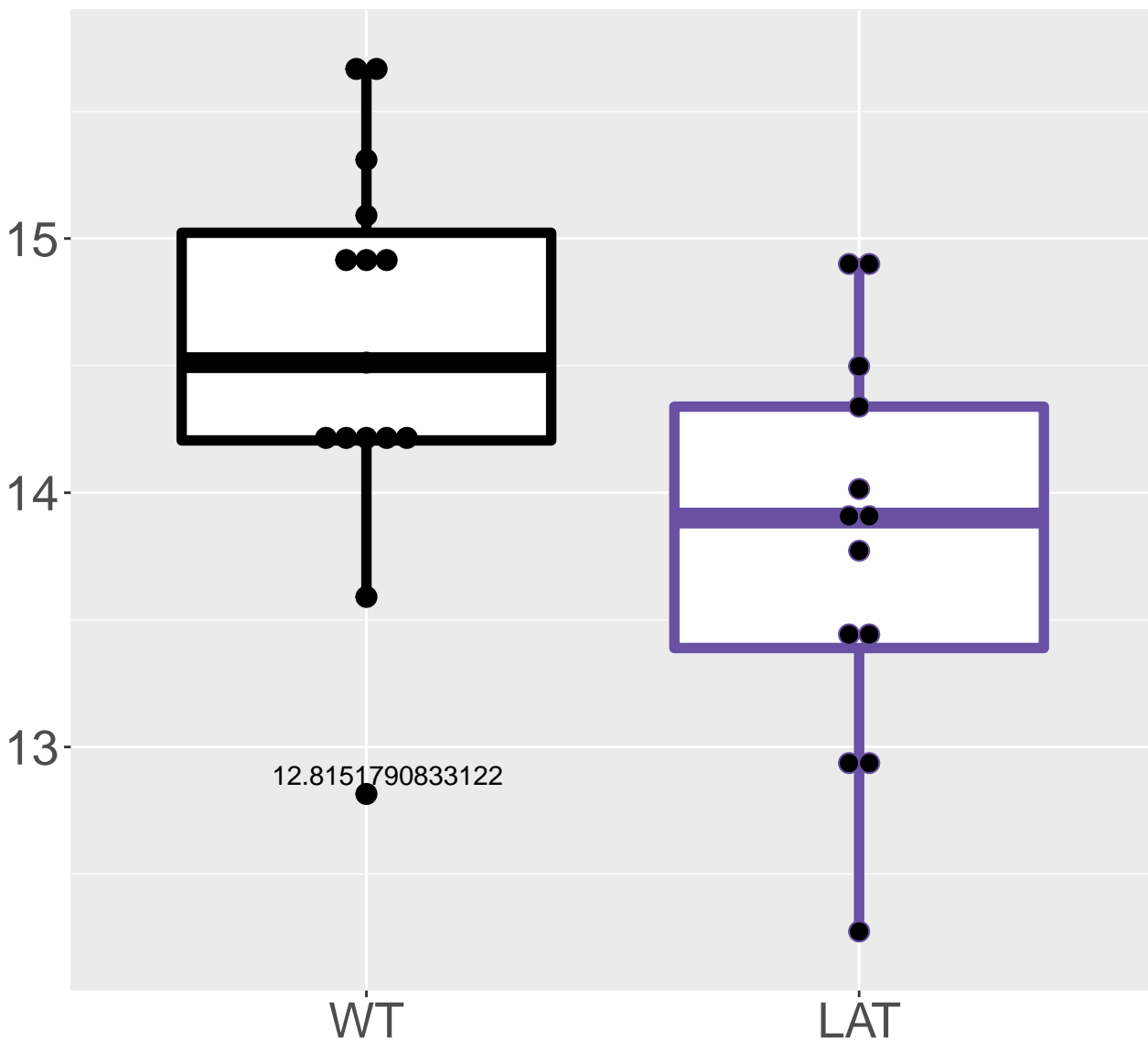
**FDR = 0.024, FC = 0.8**



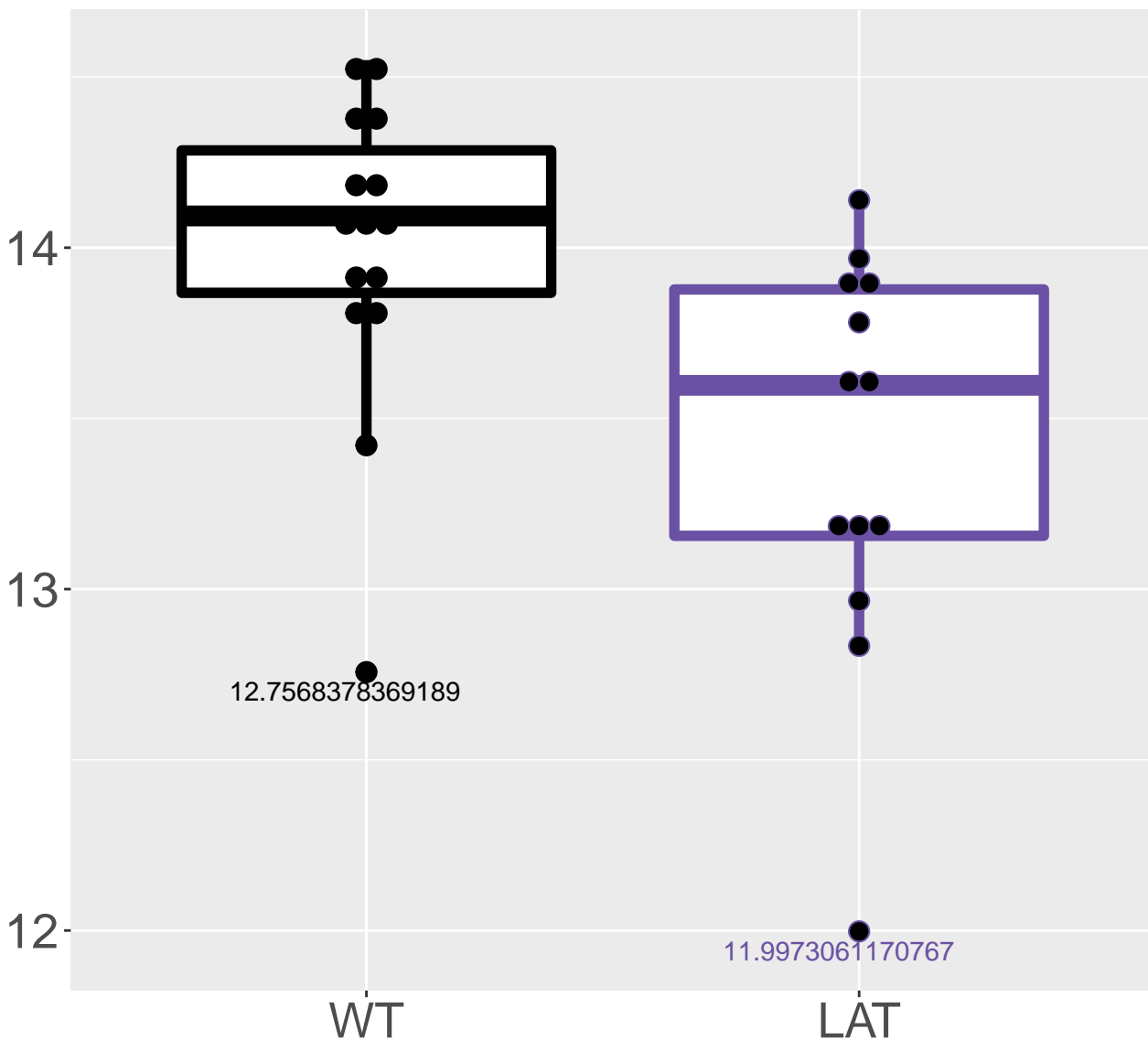
**M162.7636T113.31\_13**  
**FDR = 0.024, FC = -0.62**



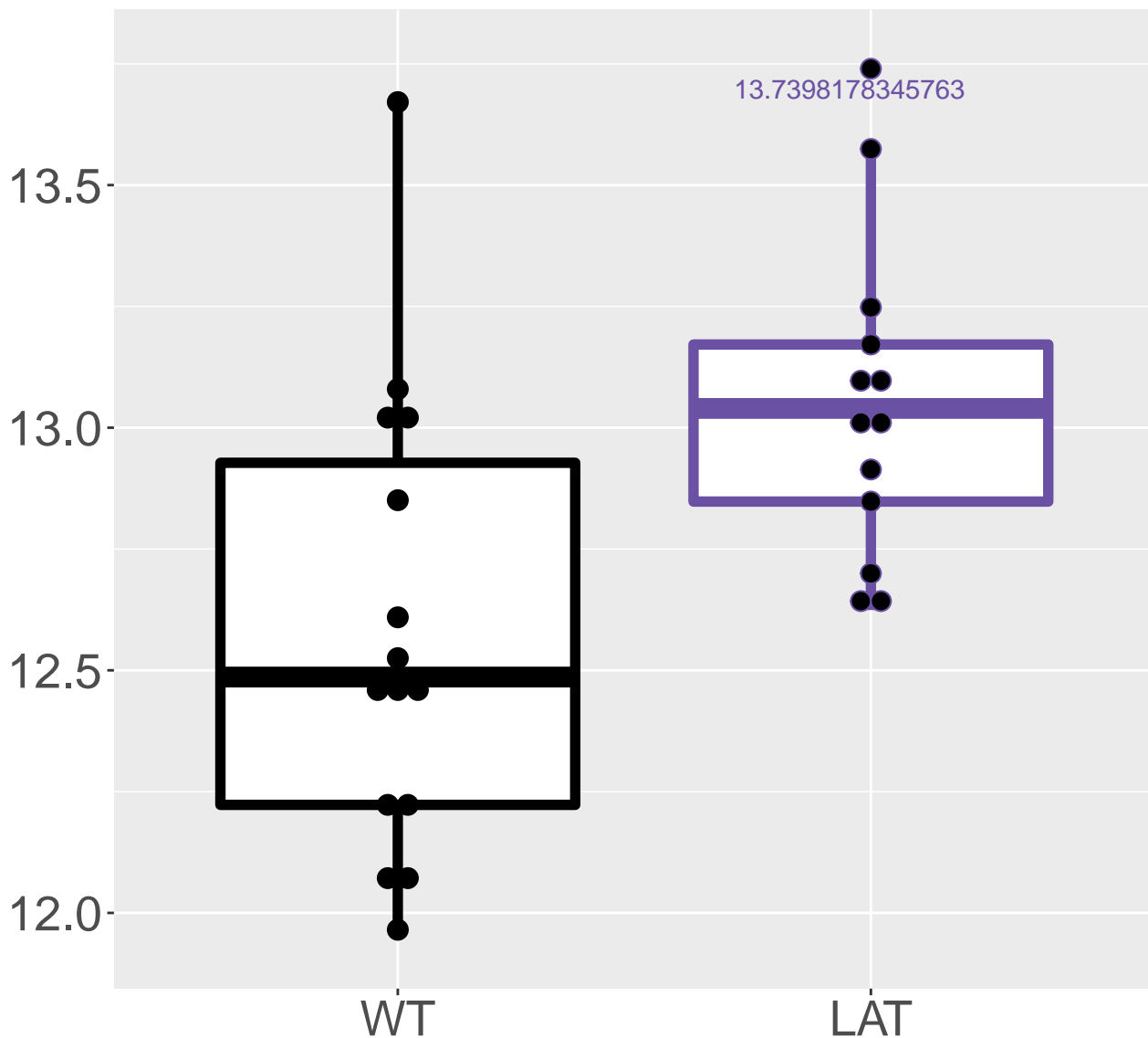
**FDR = 0.024, FC = -0.78**



**M649.2484T356.93\_5**  
**FDR = 0.024, FC = -0.6**



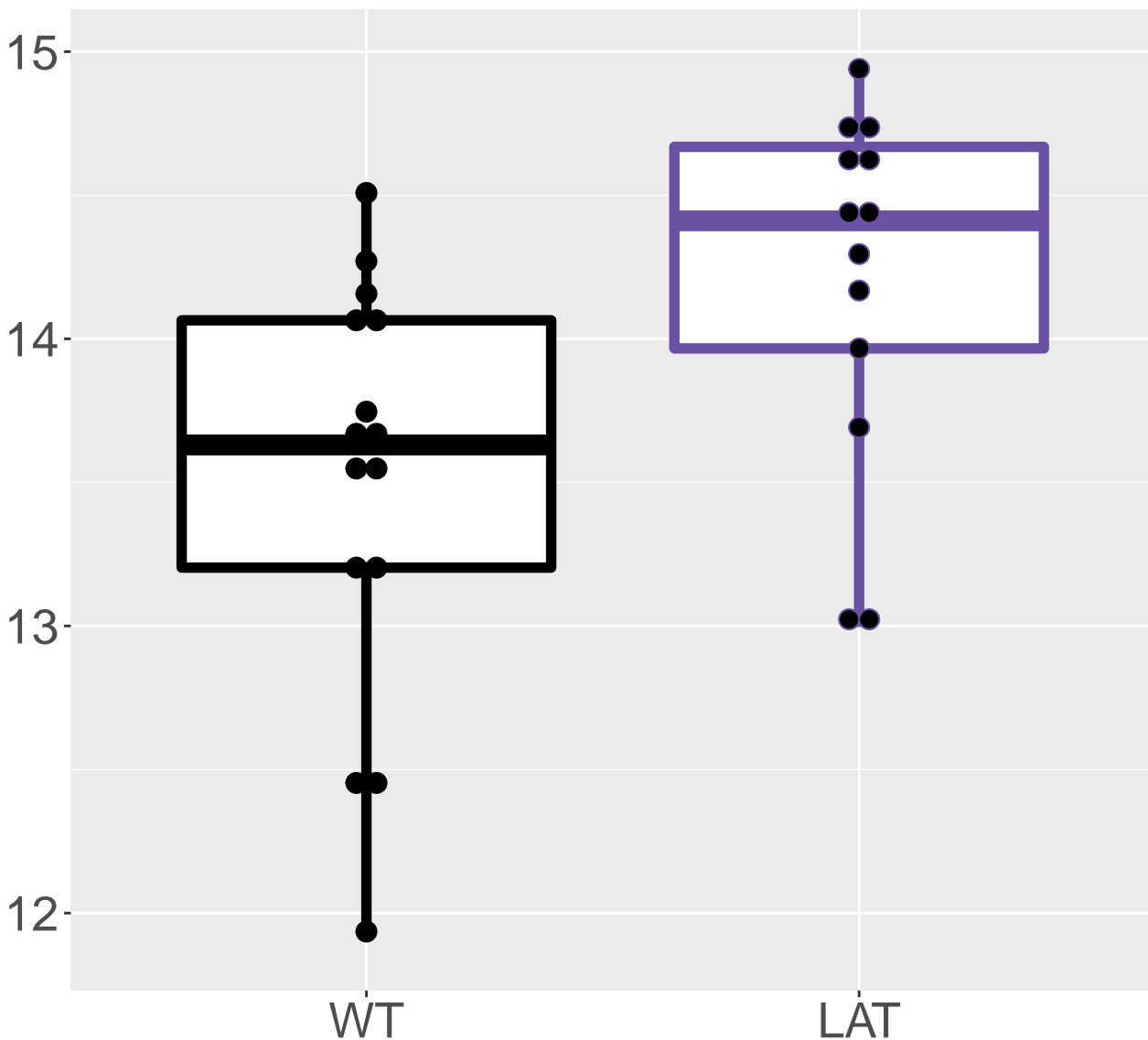
**M385.7281T296.62**  
**FDR = 0.024, FC = 0.47**





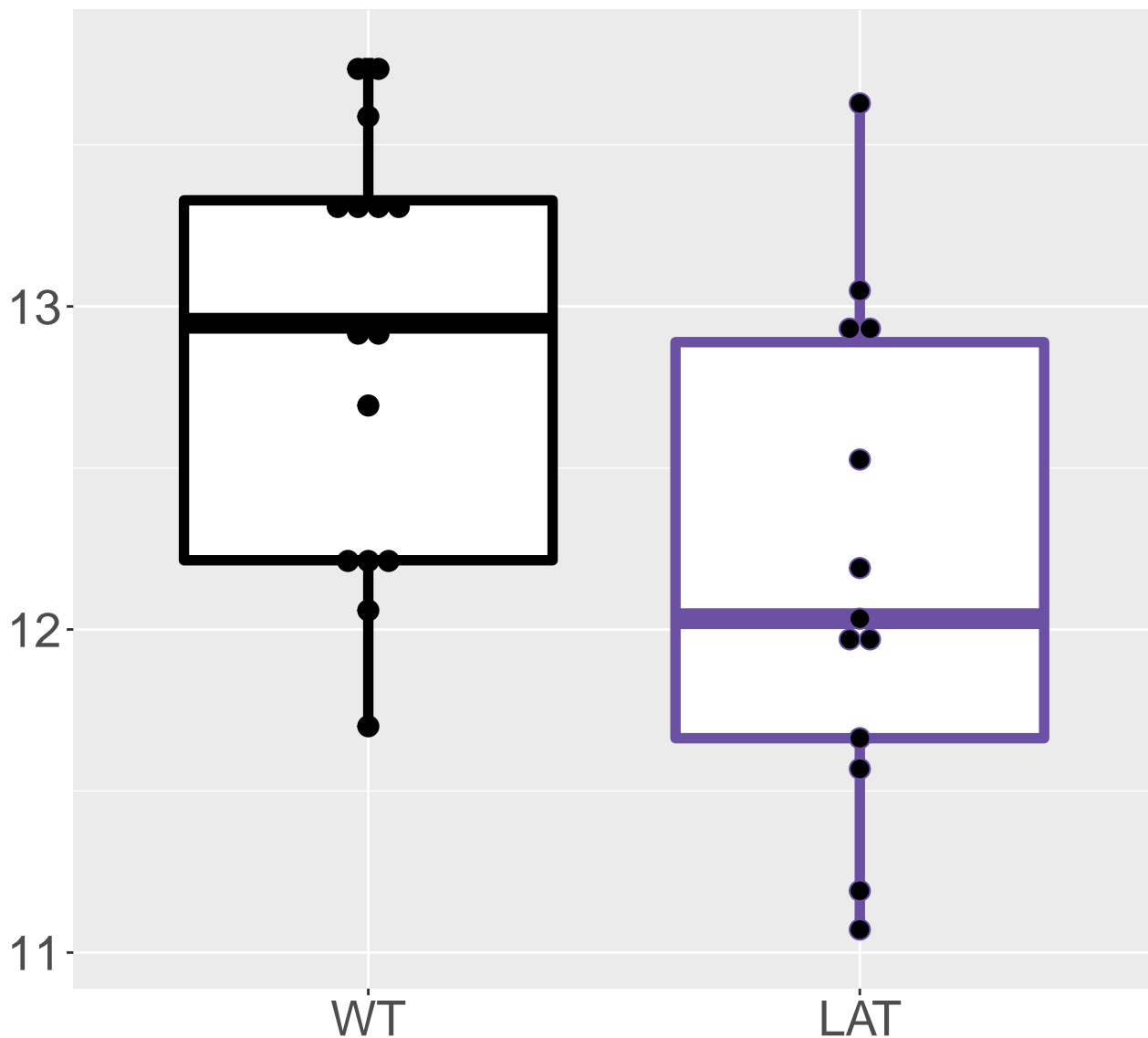
**M255.6385T83.96**

**FDR = 0.024, FC = 0.71**

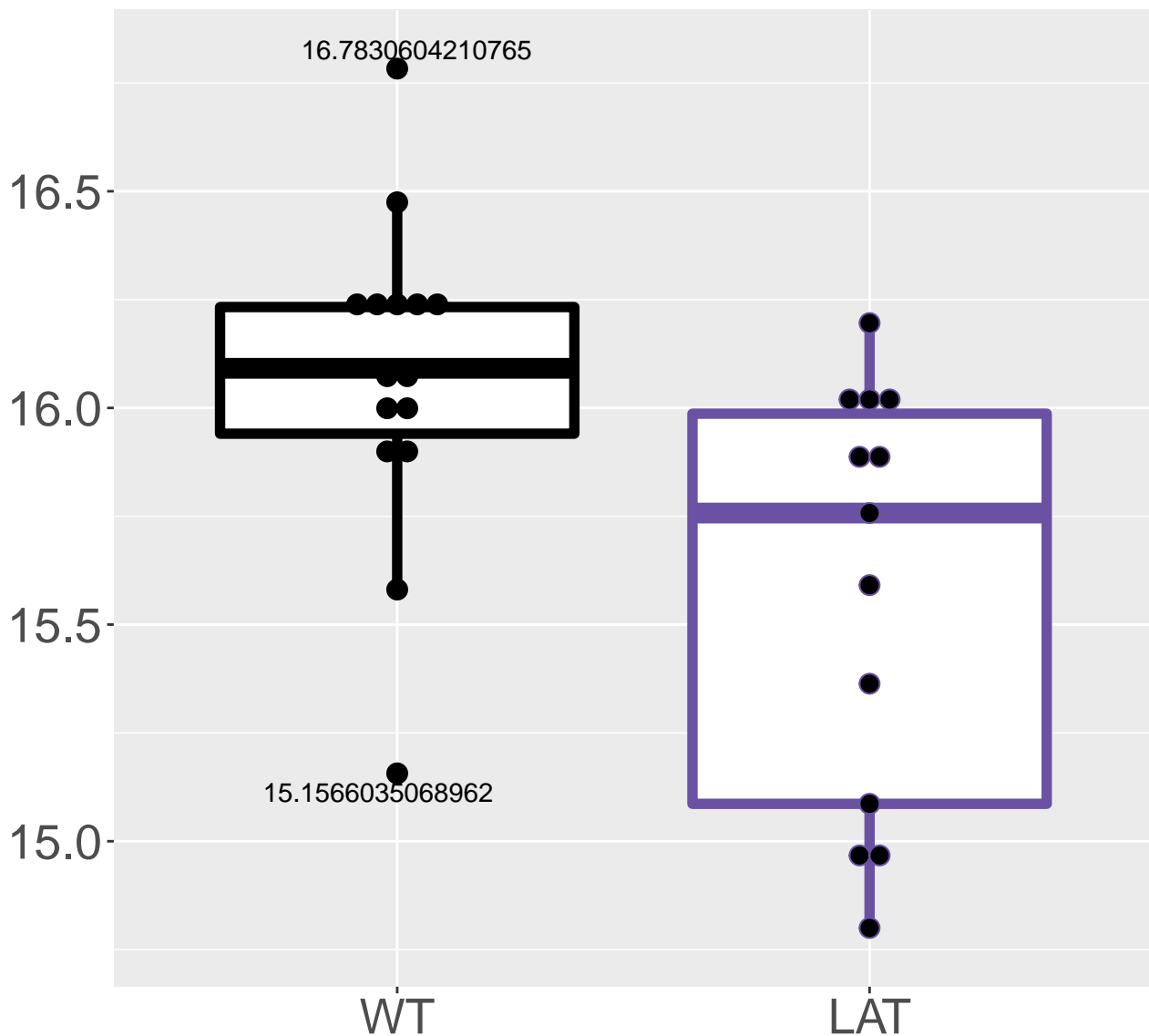


**M514.2913T332.01\_2**

**FDR = 0.024, FC = -0.67**

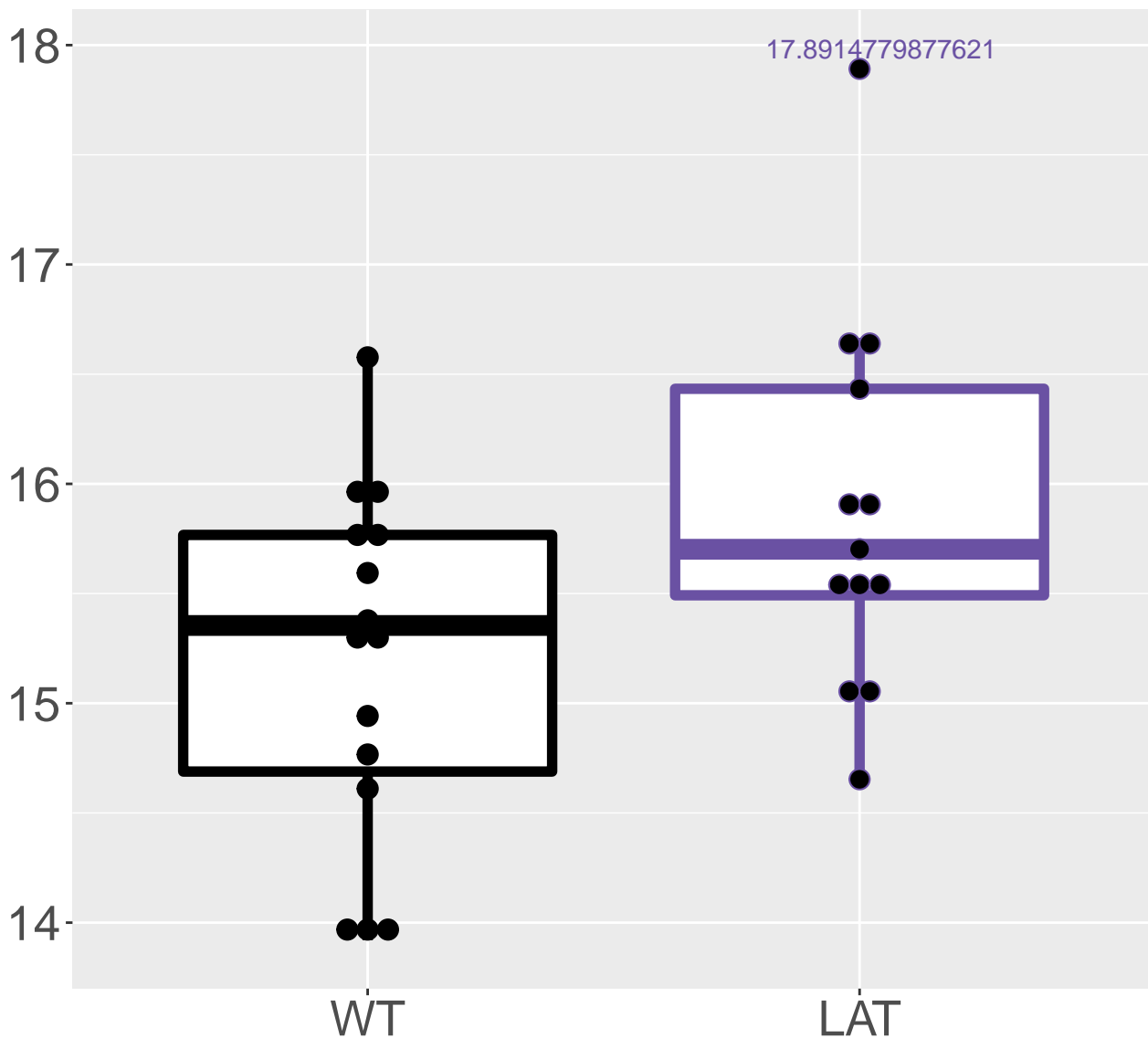


**M162.0925T113.11\_25**  
**FDR = 0.024, FC = -0.49**



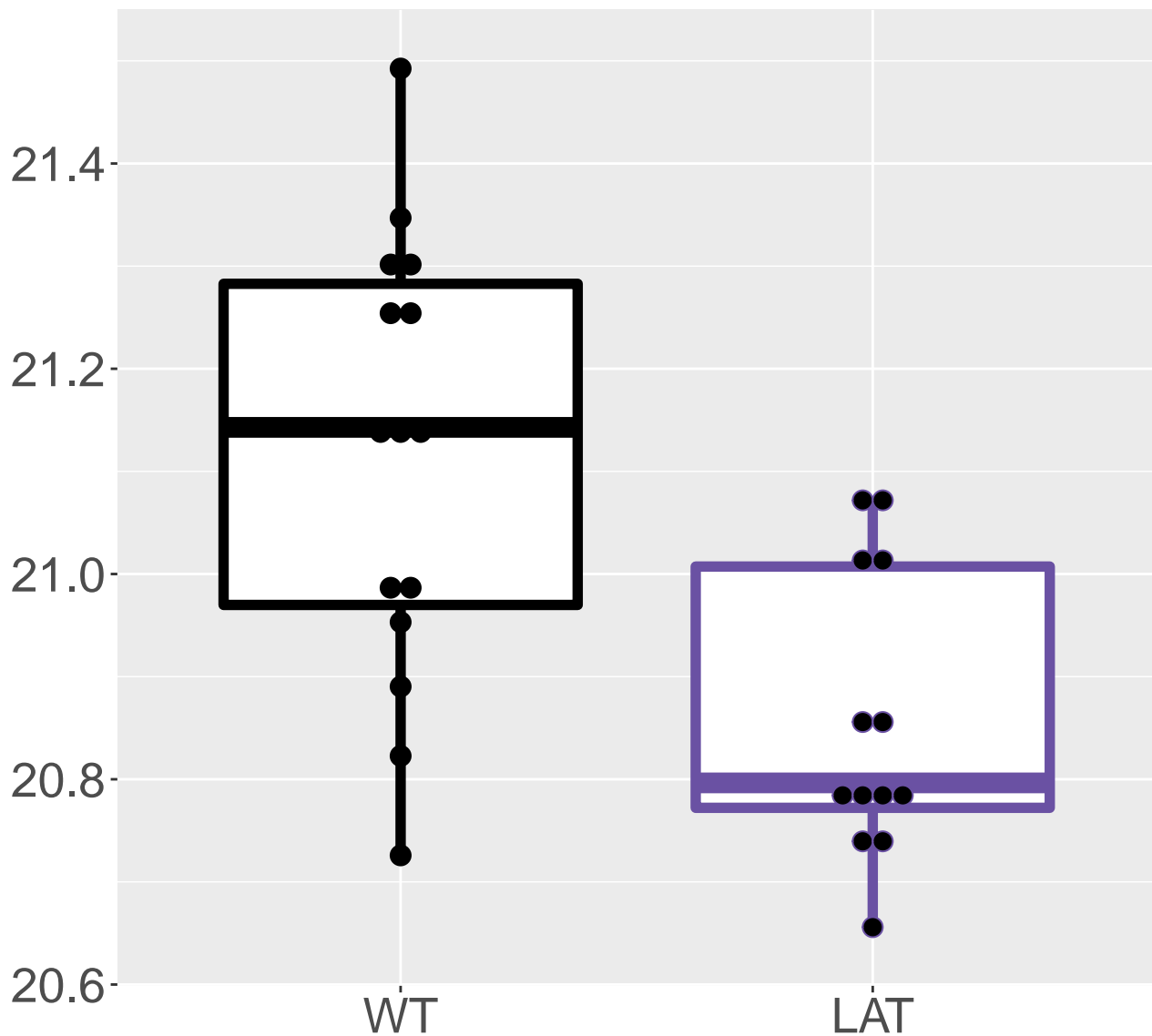
**M528.2792T487.49**

**FDR = 0.024, FC = 0.69, sex\***



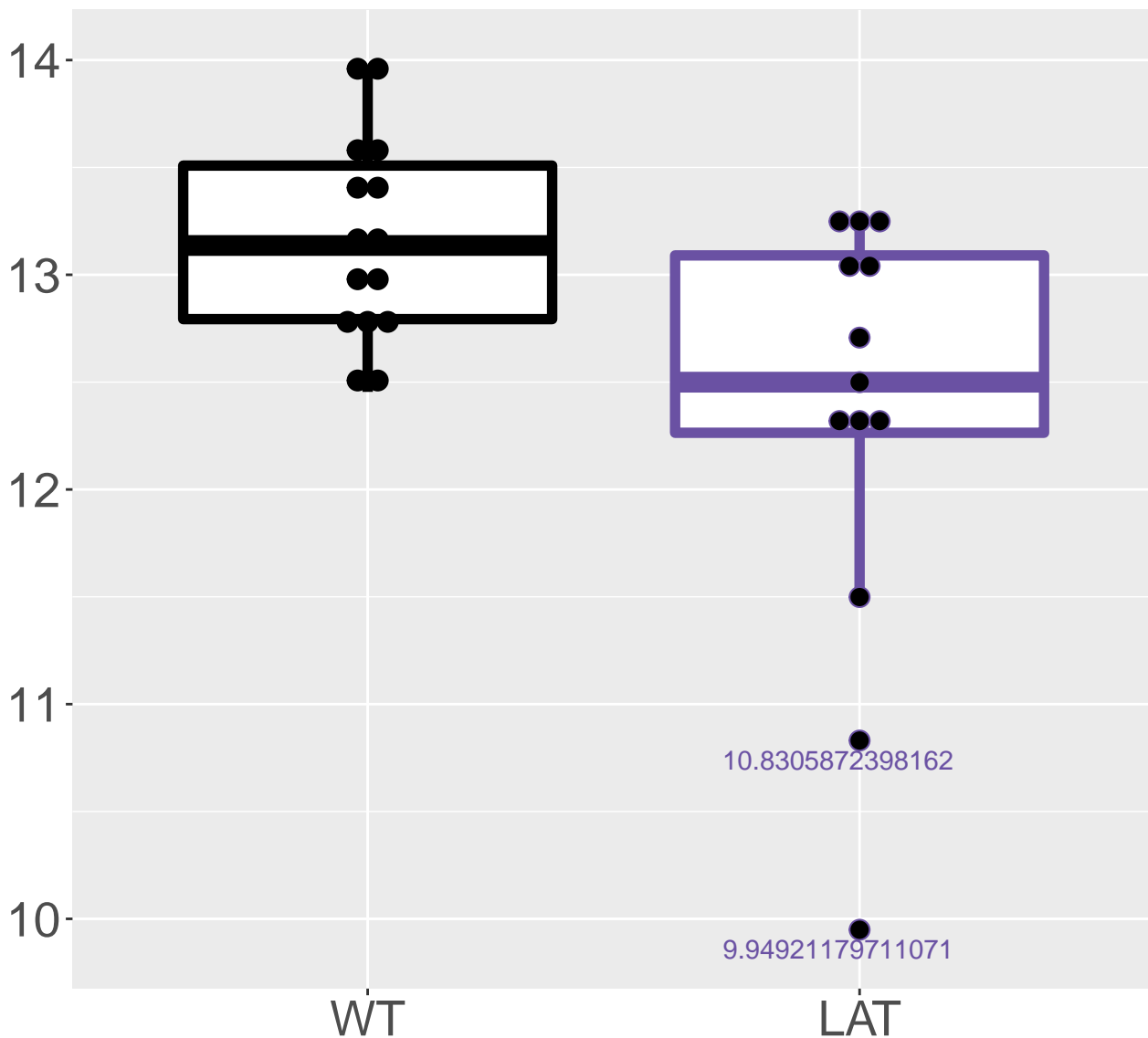
**M705.3076T371.4\_6**

**FDR = 0.024, FC = -0.26**



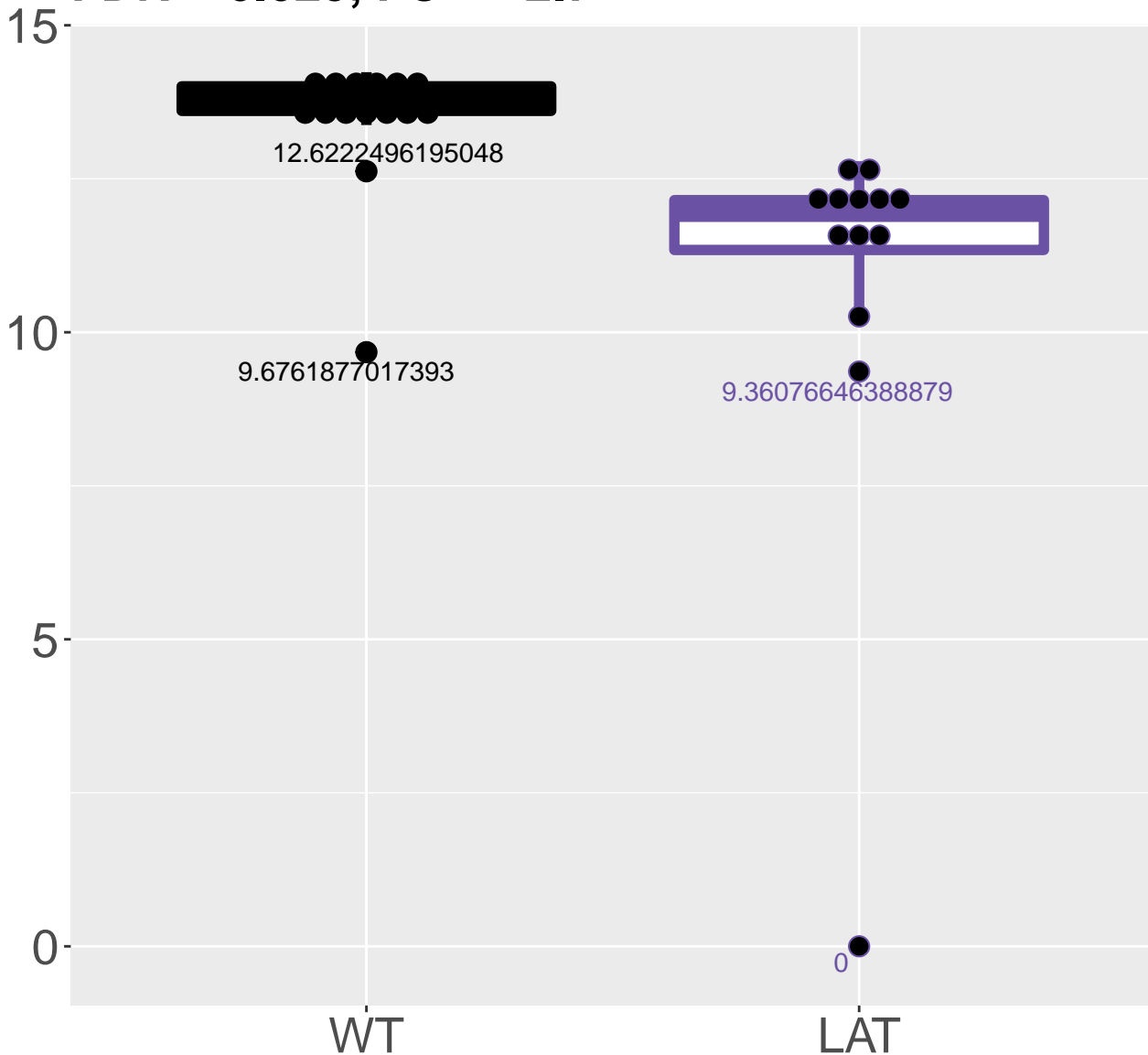
**M380.8966T97.68**

**FDR = 0.024, FC = -0.84**



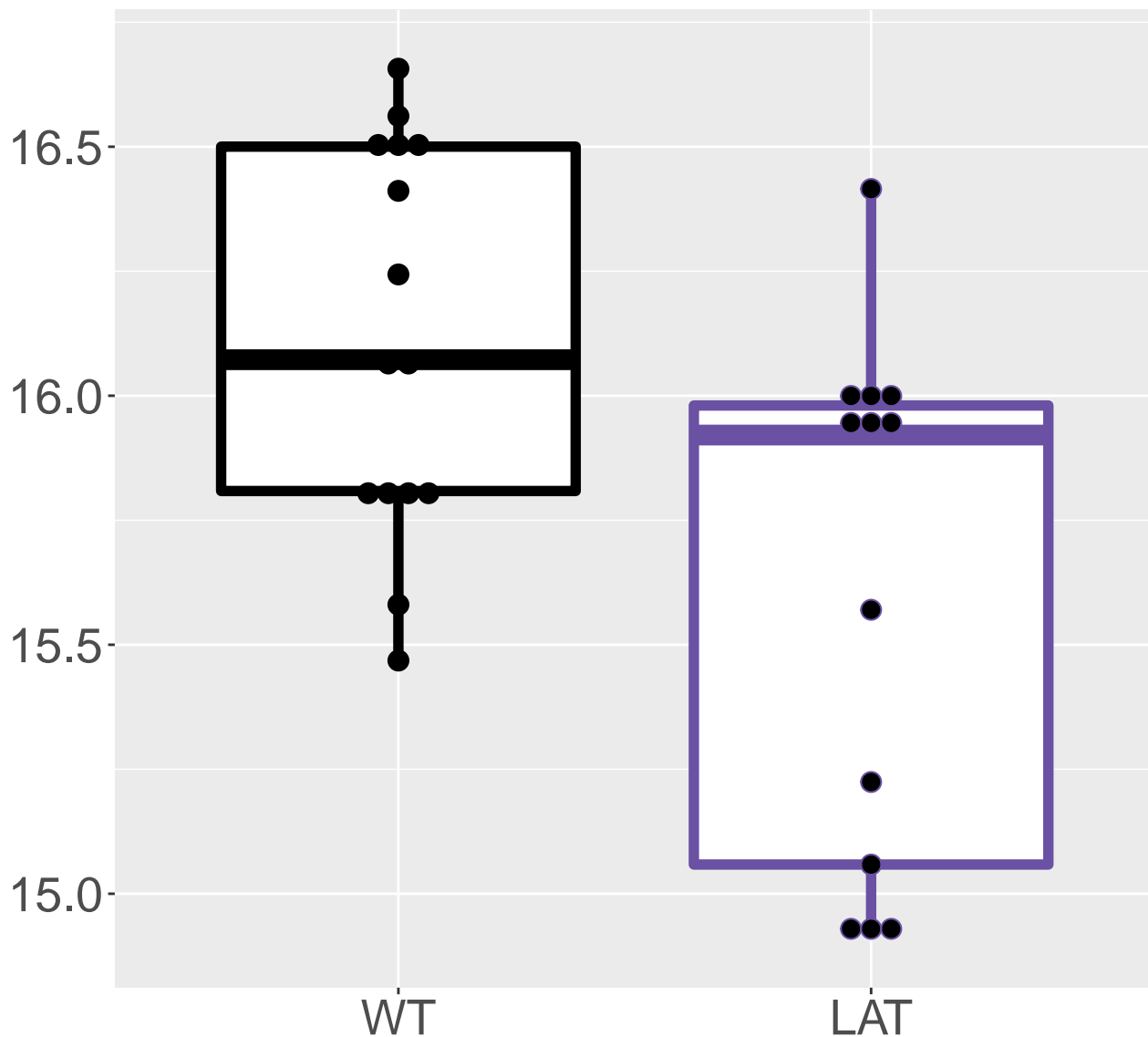


**M392.8177T258.37\_2**  
**FDR = 0.025, FC = -2.7**



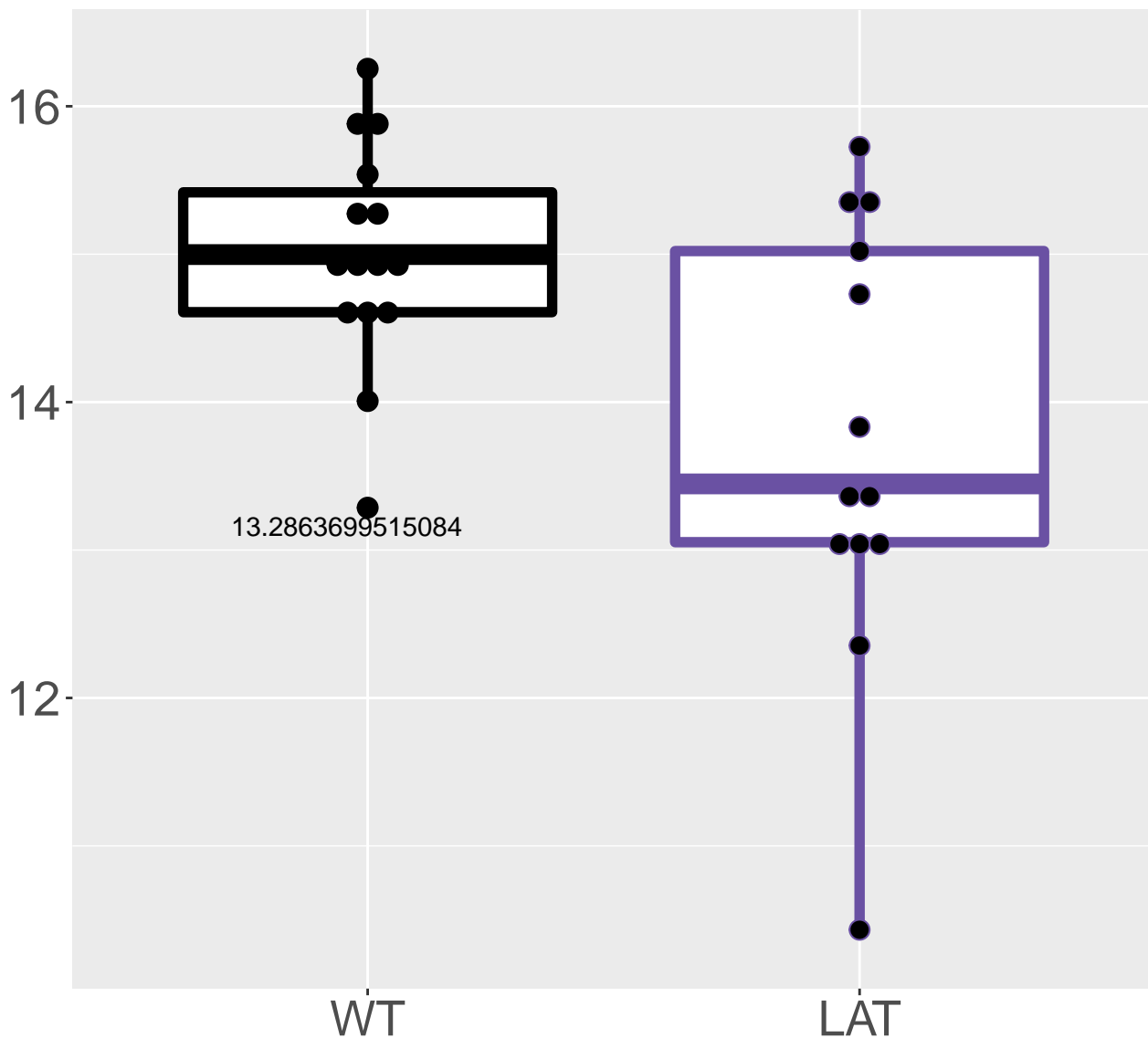


**M163.0877T113.21\_30**  
**FDR = 0.025, FC = -0.51**



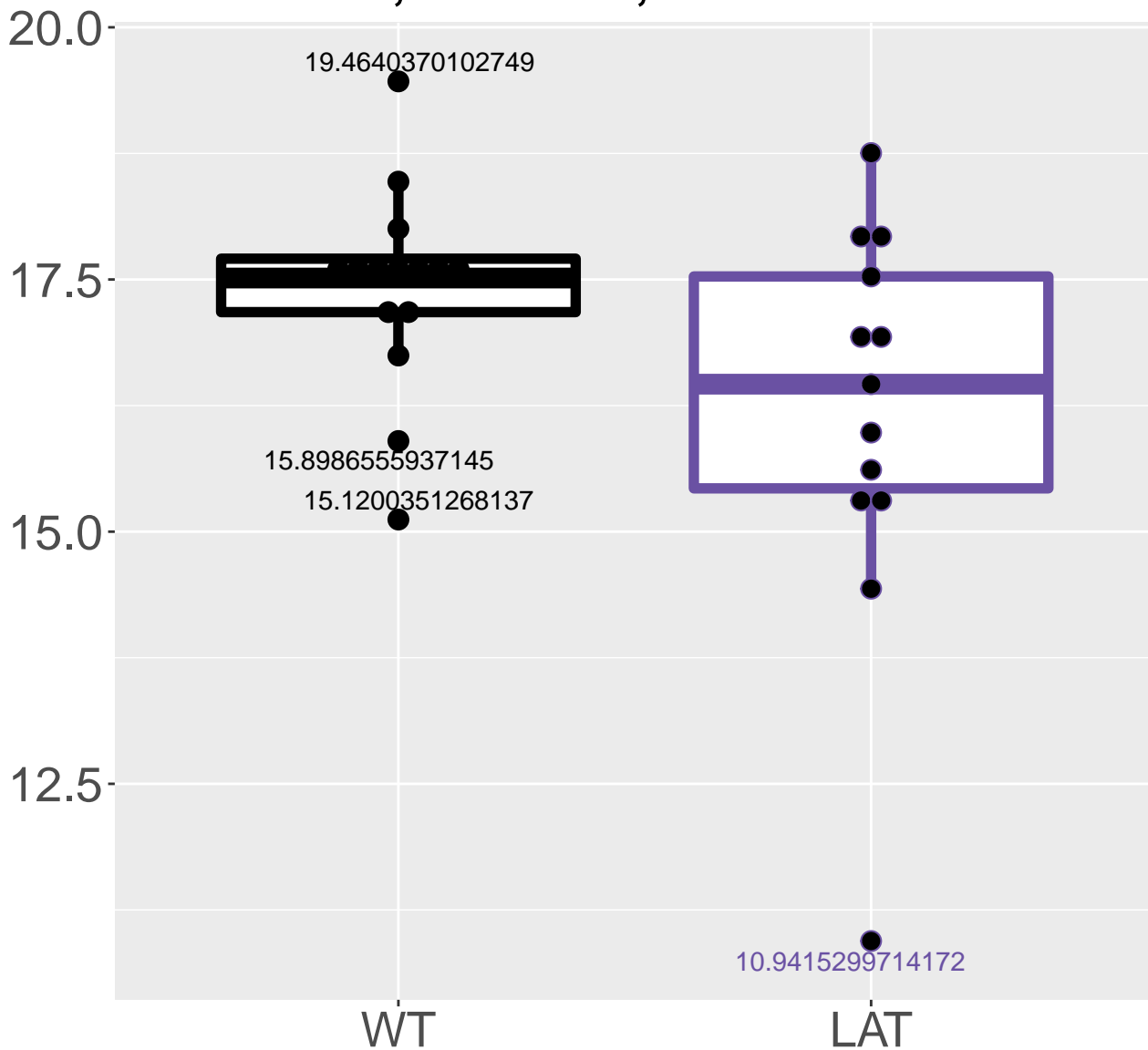
**M478.1102T80.98**

**FDR = 0.025, FC = -1.2**

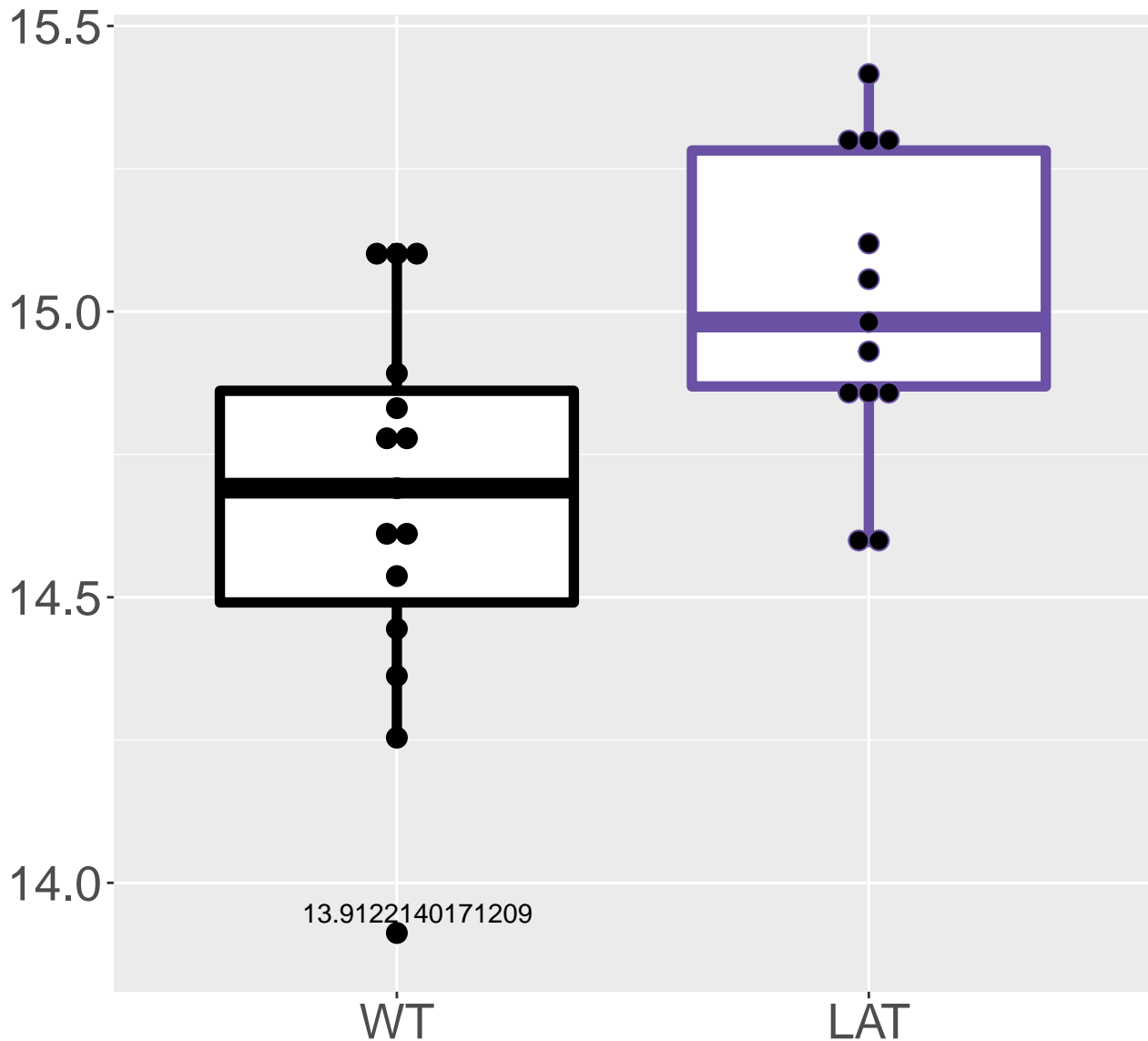


**M160.0978T219.23**

**FDR = 0.025, FC = -1.3, sex\***

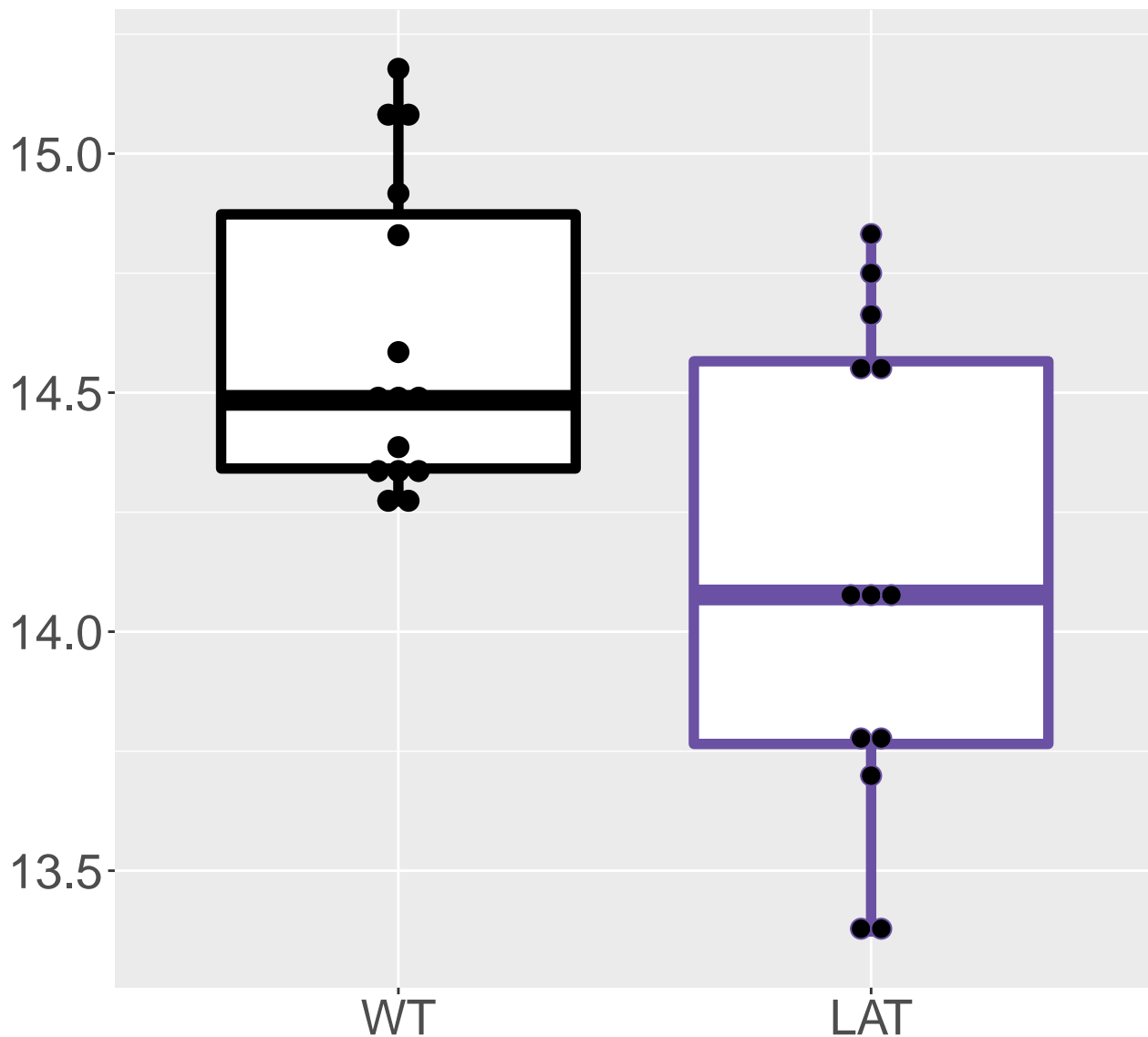


**M440.8693T42.97**  
**FDR = 0.025, FC = 0.35**

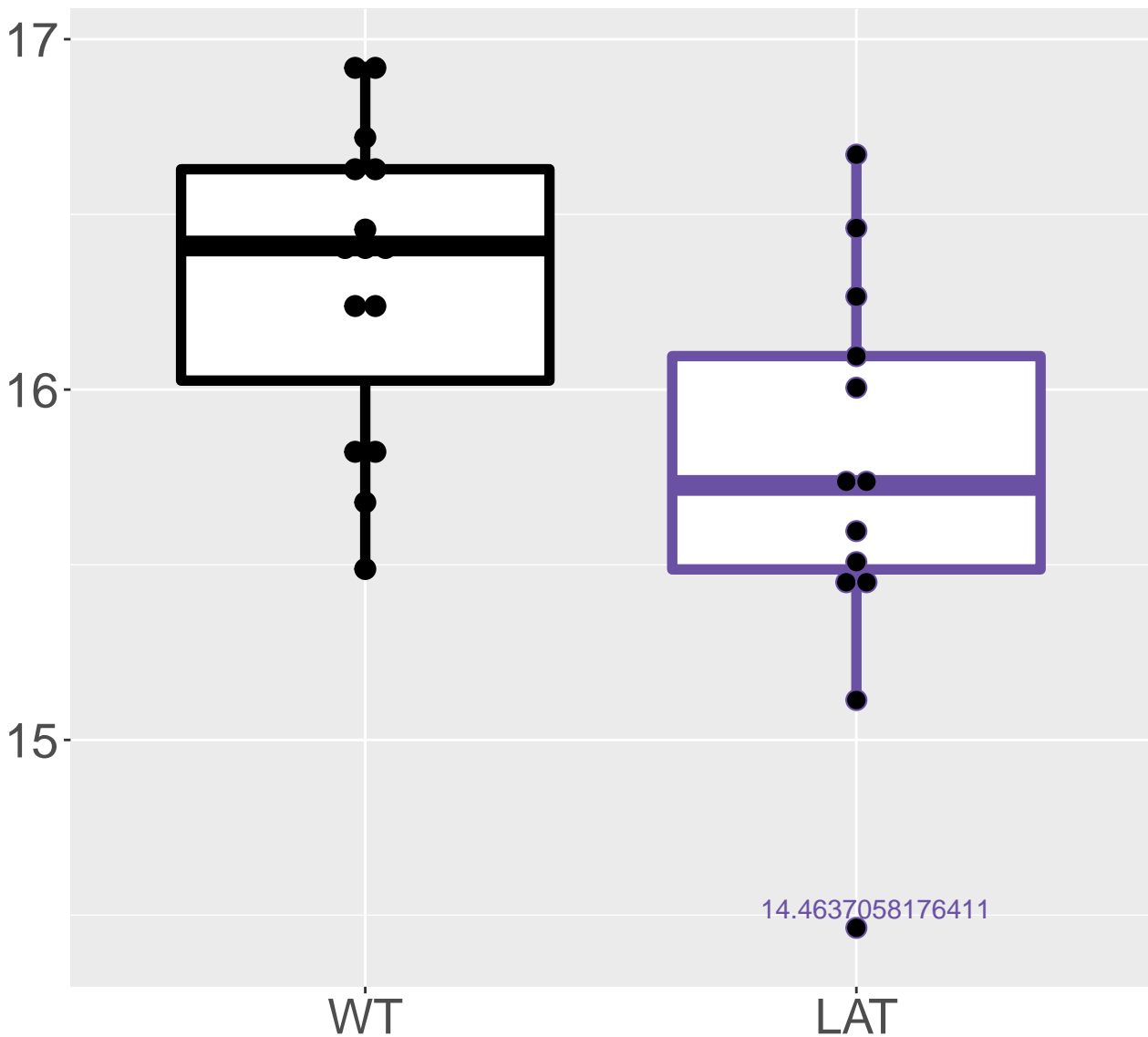


**M416.2313T272.08**

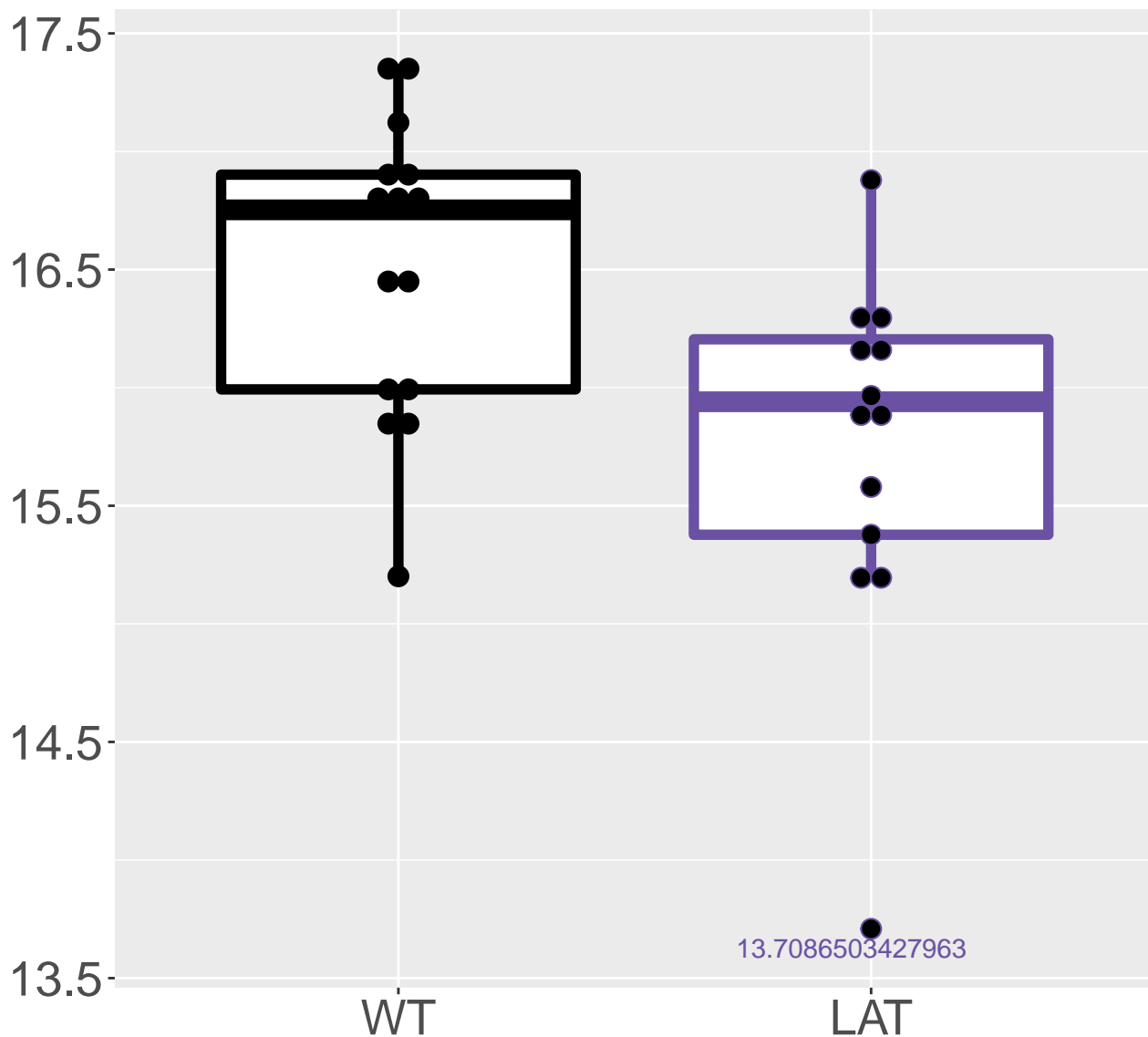
**FDR = 0.025, FC = -0.48**



**M168.5778T113.18\_5**  
**FDR = 0.025, FC = -0.58**

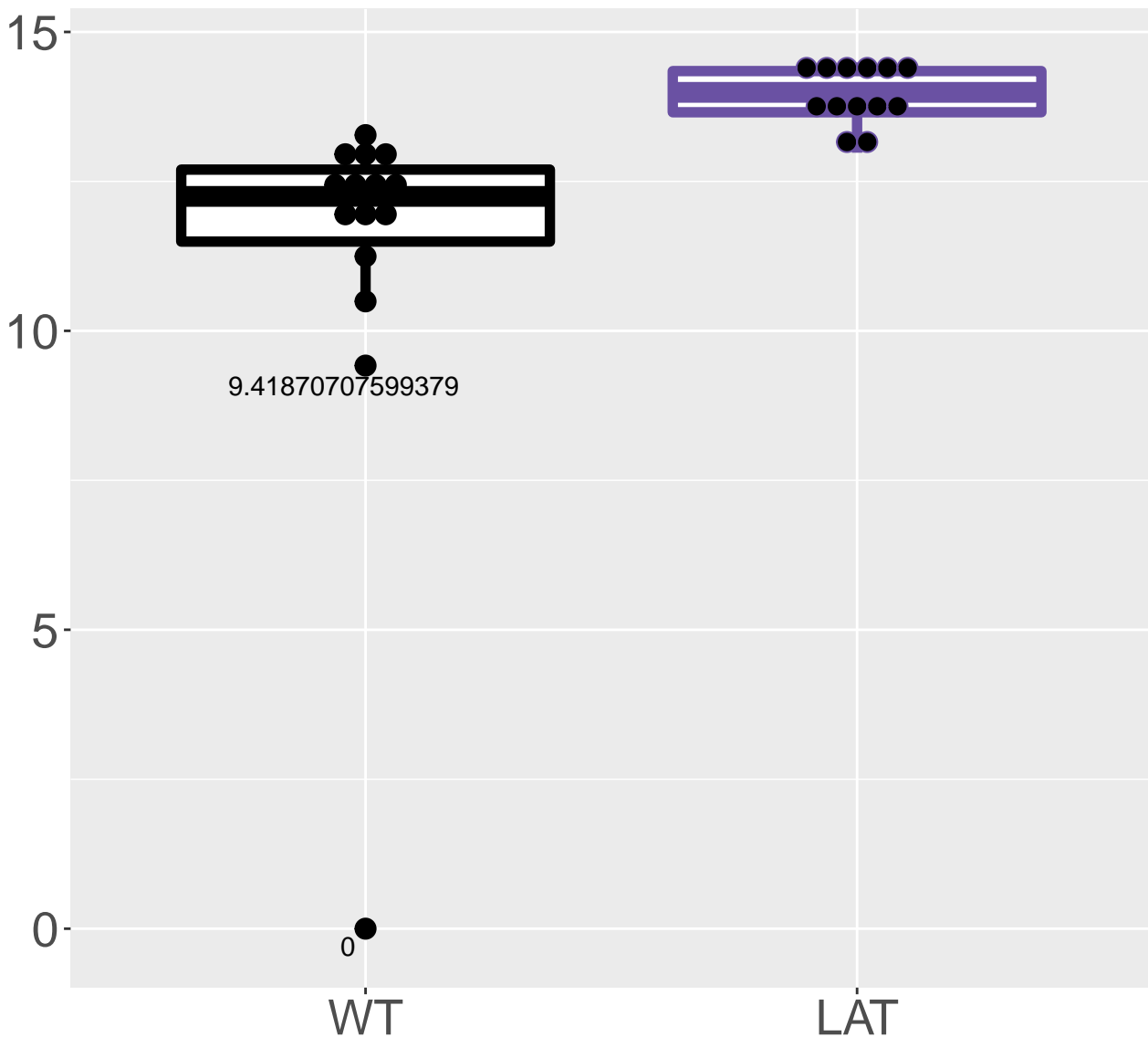


**M134.1382T75.48\_9**  
**FDR = 0.025, FC = -0.79**



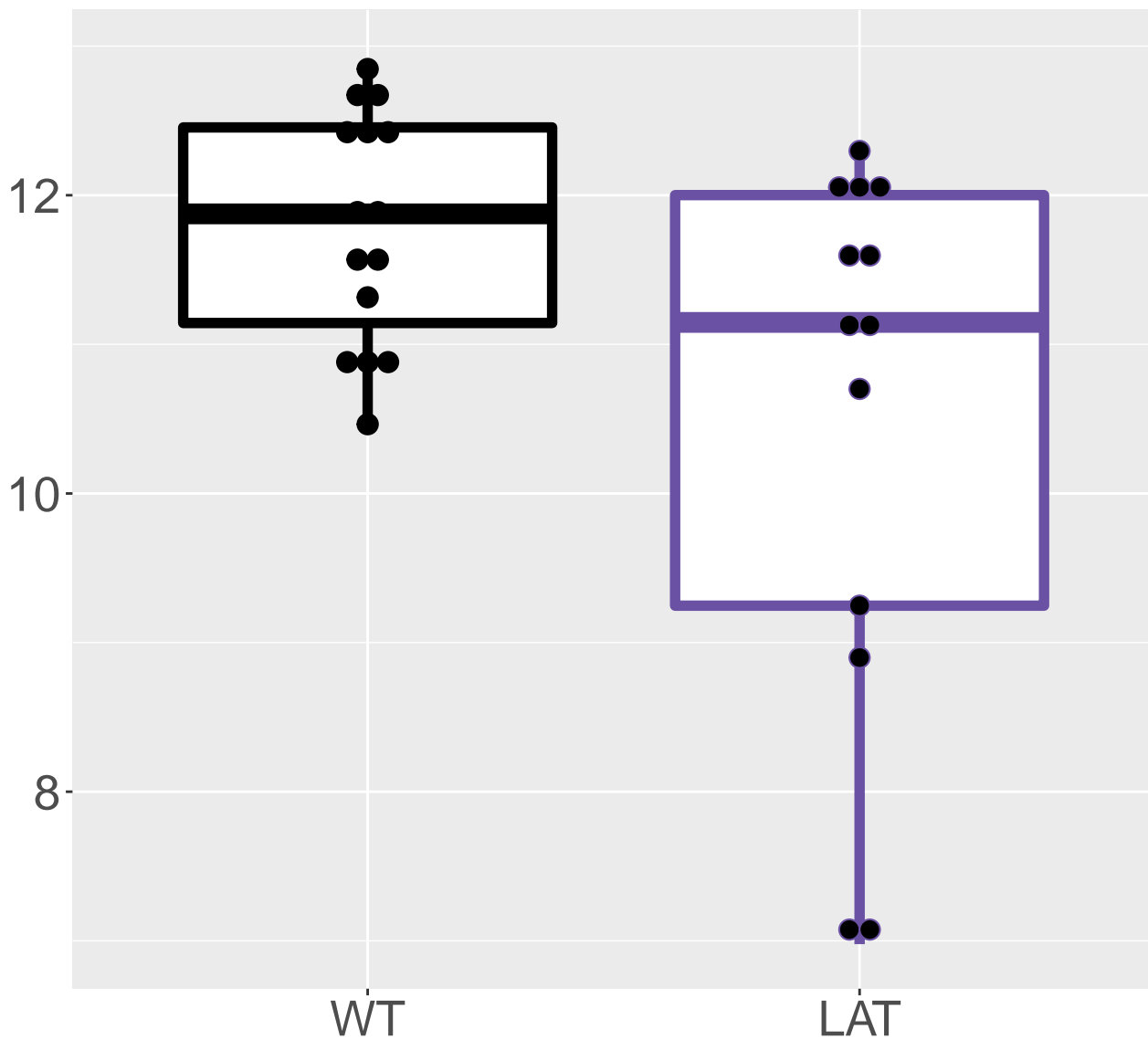
**M478.7885T243.23**

**FDR = 0.025, FC = 2.7**



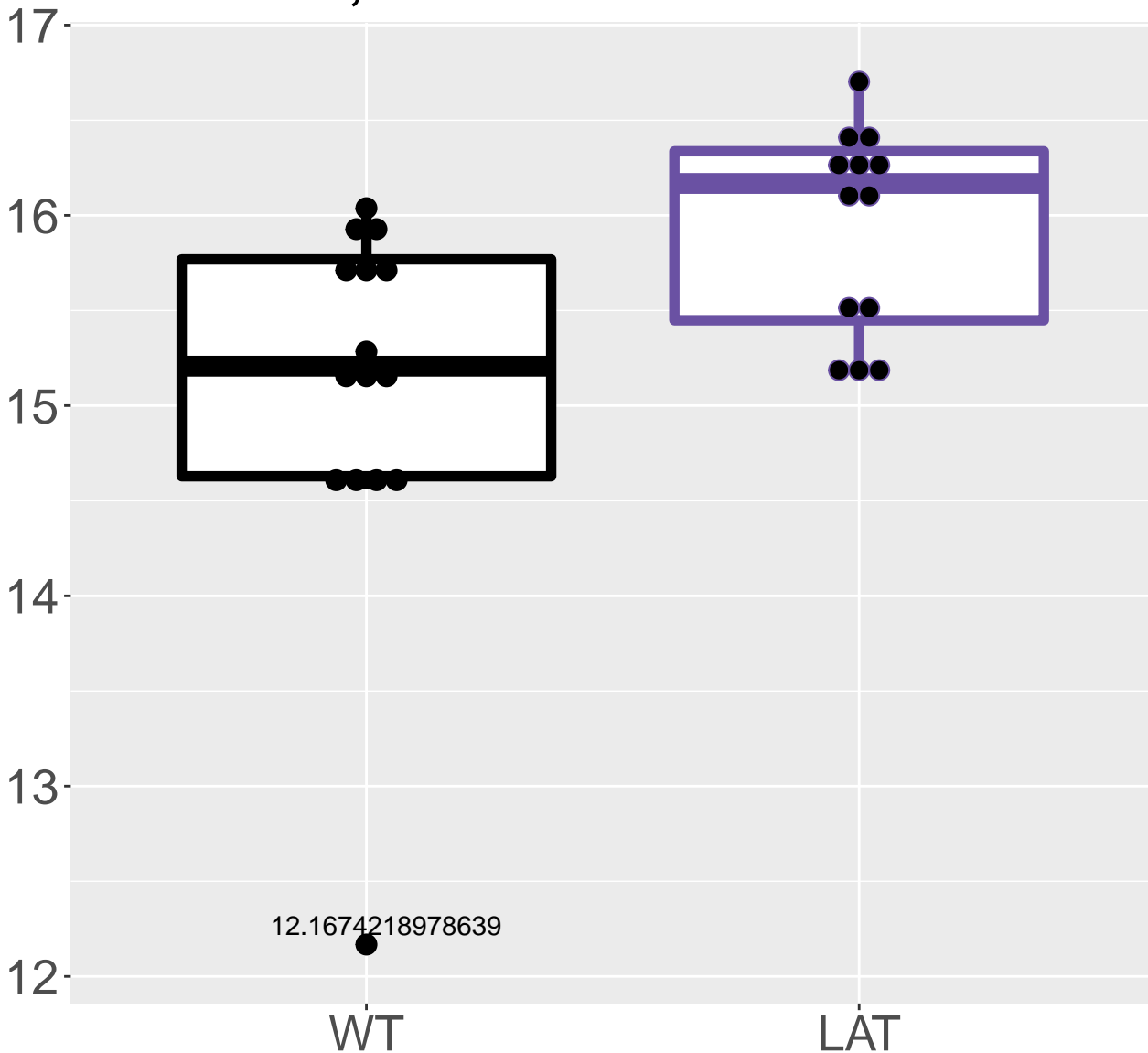


**M148.0801T272**  
**FDR = 0.025, FC = -1.2**



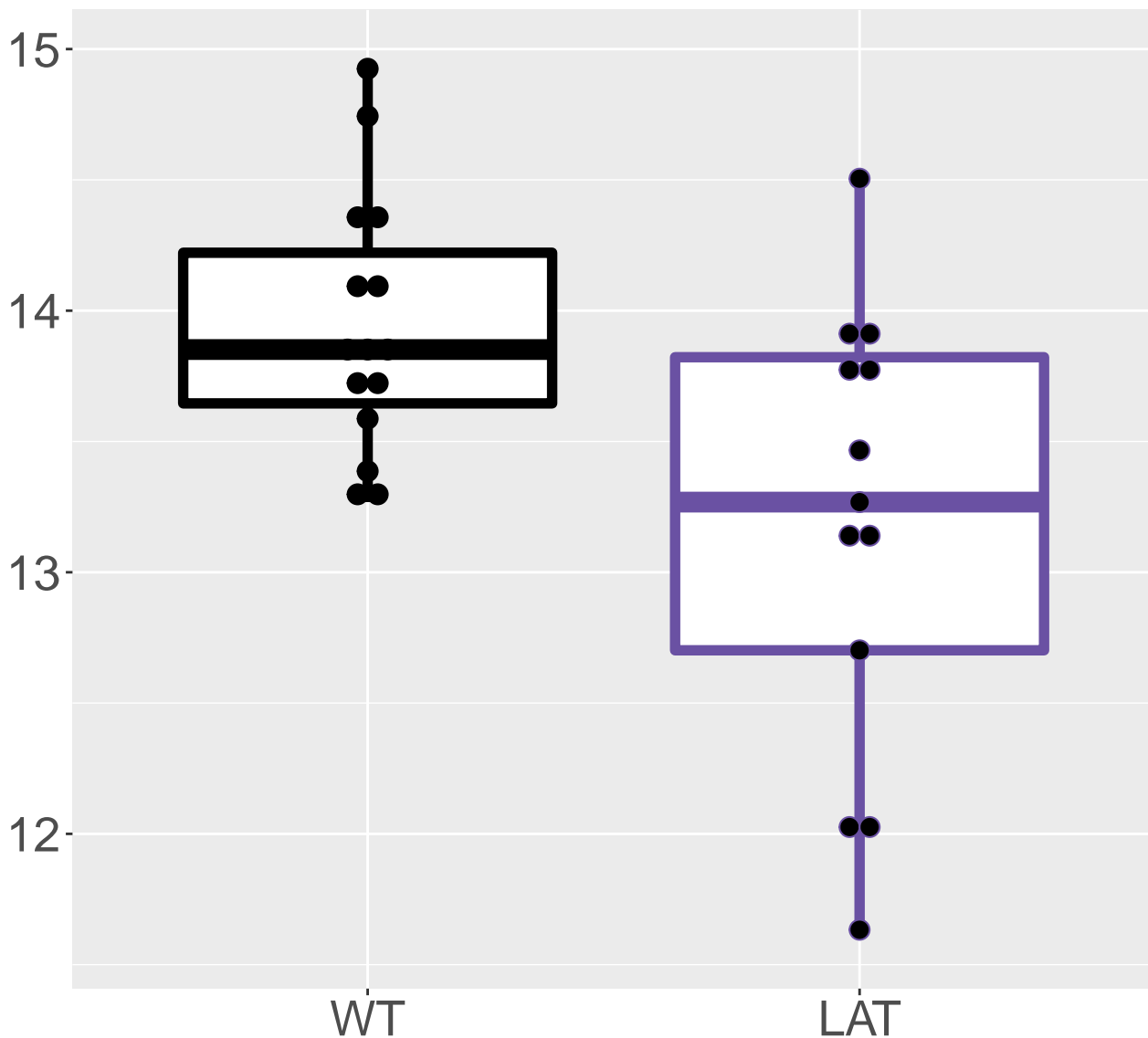
**M487.6812T246.19\_1**

**FDR = 0.025, FC = 0.83**



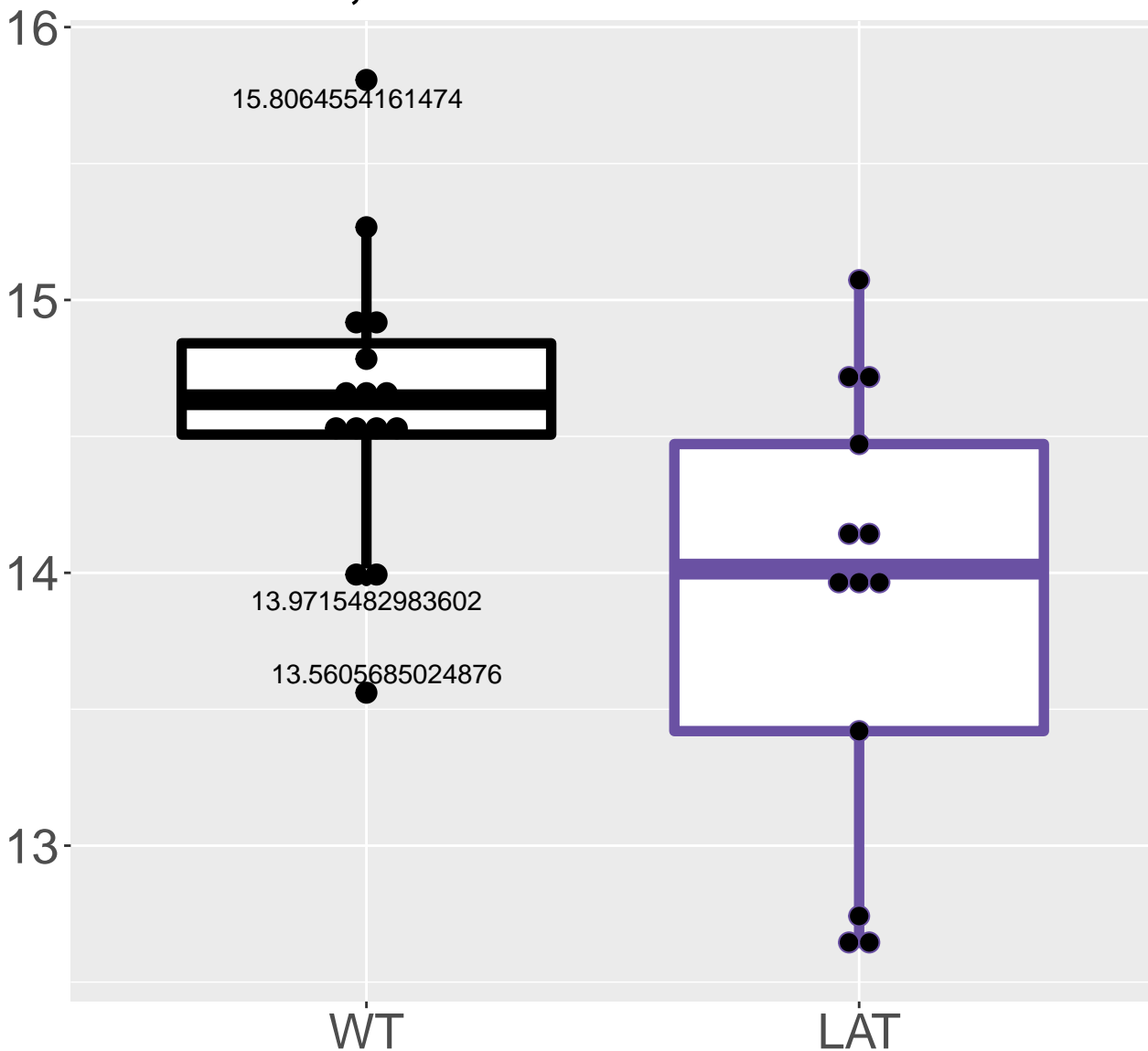
**M322.6921T256.33**

**FDR = 0.025, FC = -0.77**

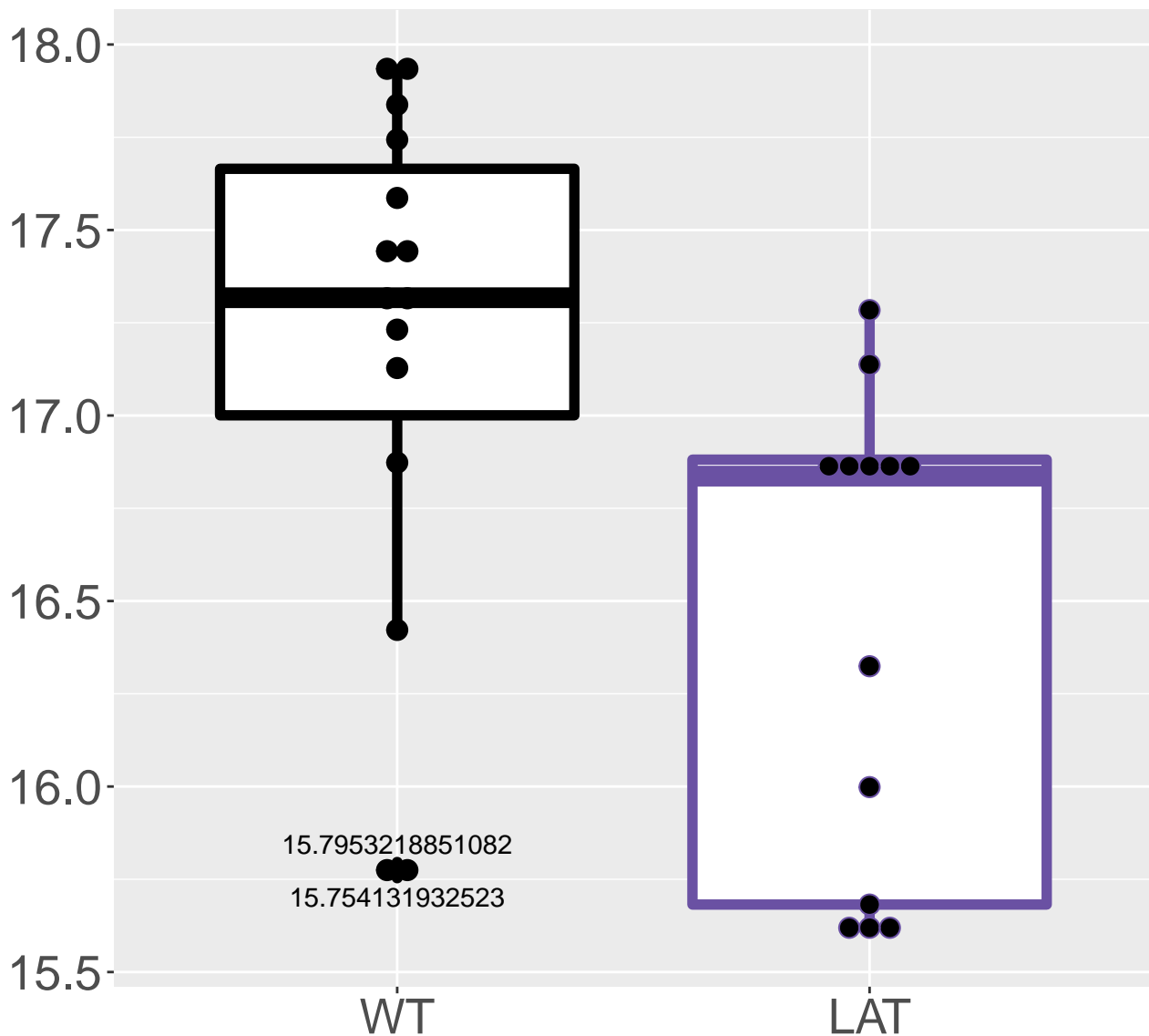


**M215.6559T119.33**

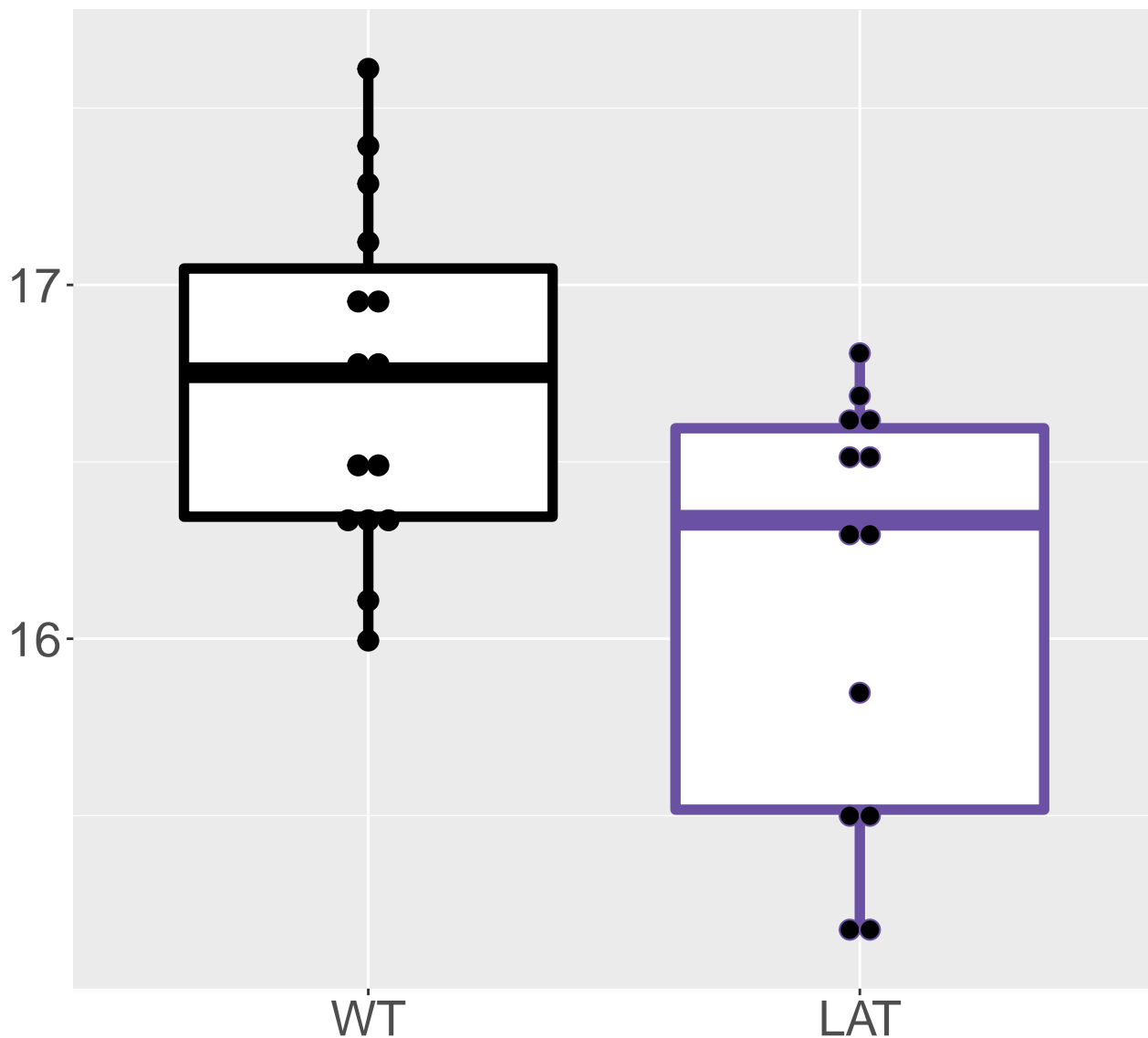
**FDR = 0.025, FC = -0.73**



**FDR = 0.025,  $\overline{FC} = -0.75$**

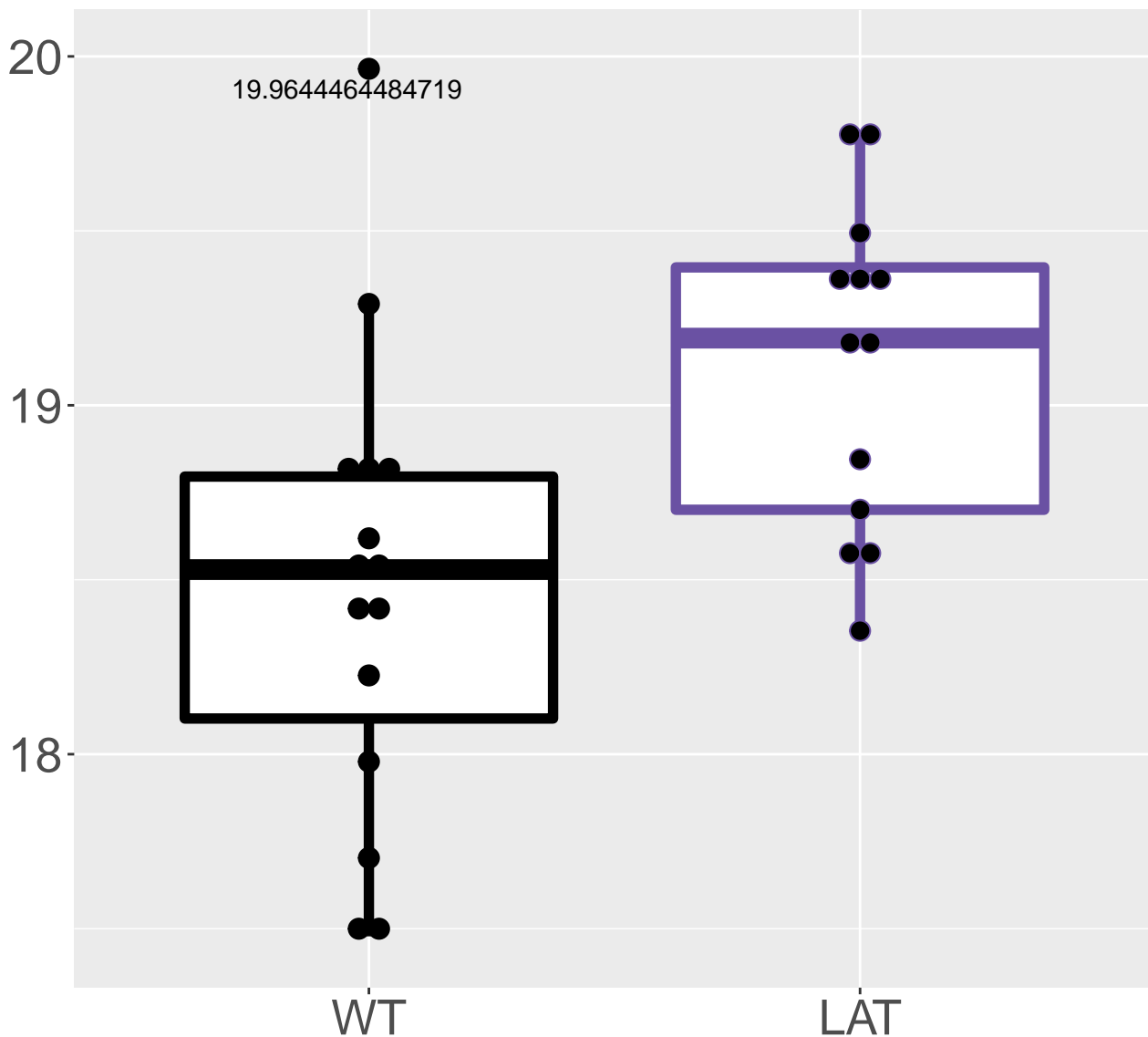


**M129.4473T75.35\_52**  
**FDR = 0.025, FC = -0.61**

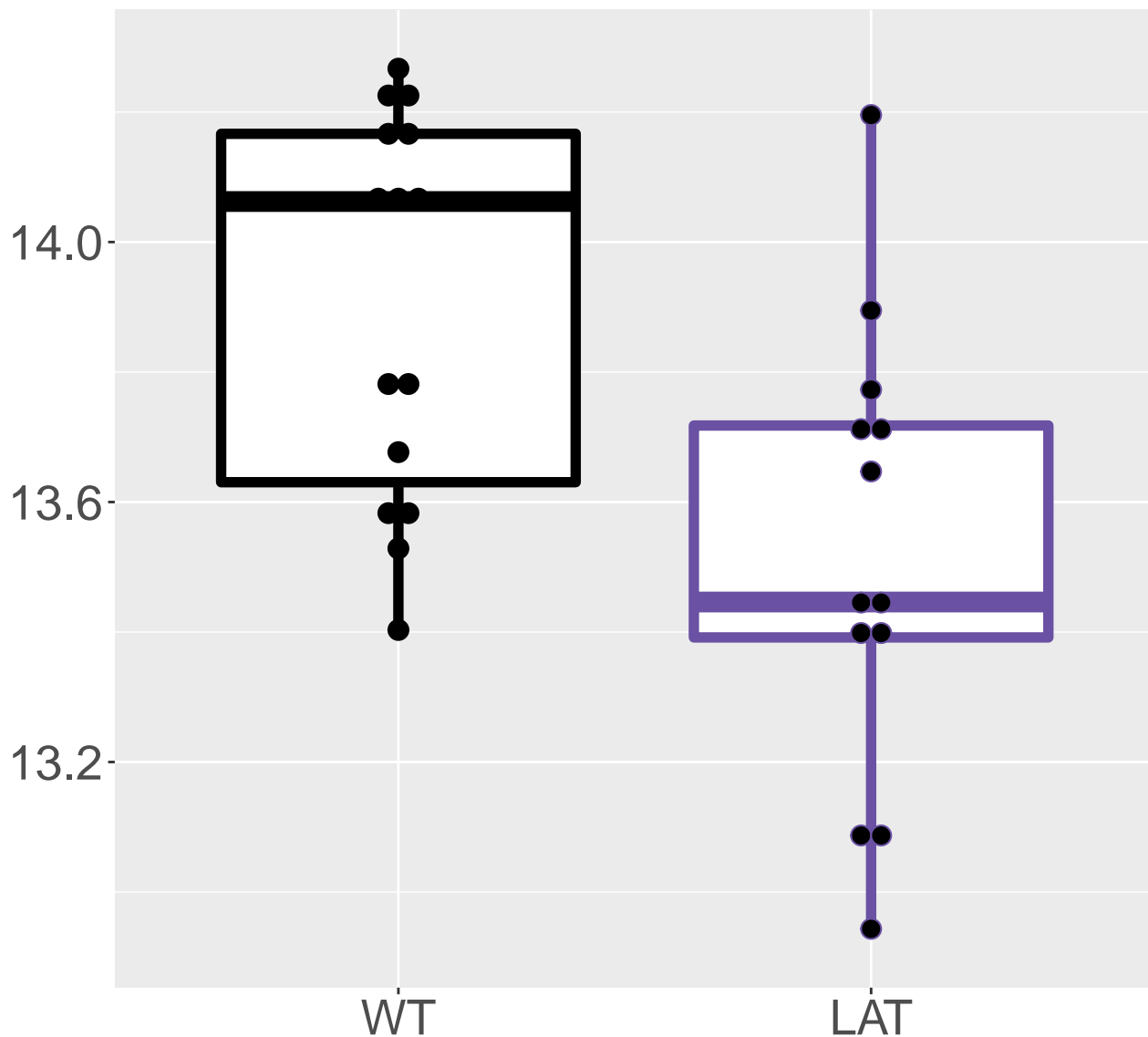


**M359.2052T62.06**

**FDR = 0.025, FC = 0.64**

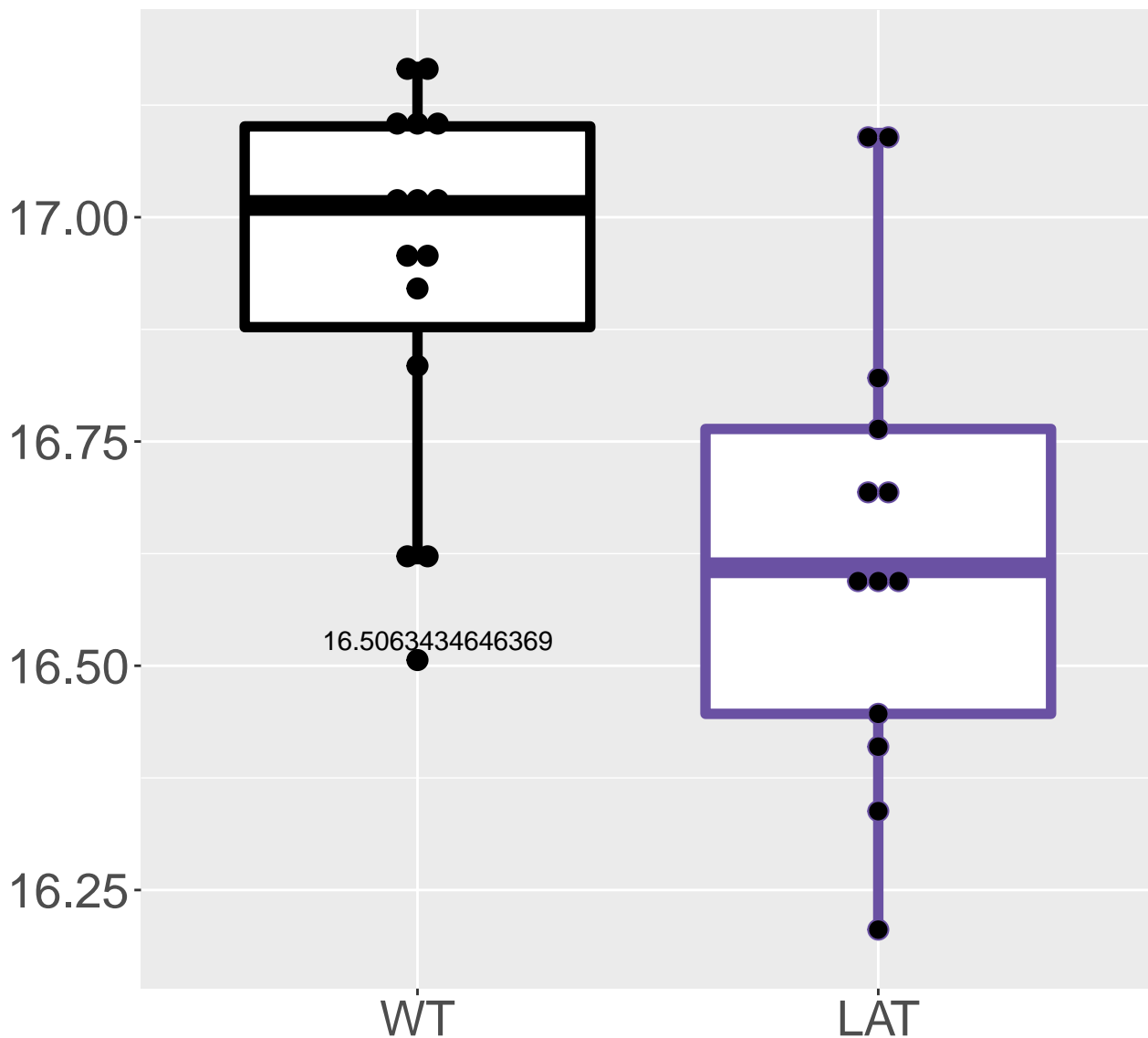


**M534.6093T251.12\_1**  
**FDR = 0.025, FC = -0.39**



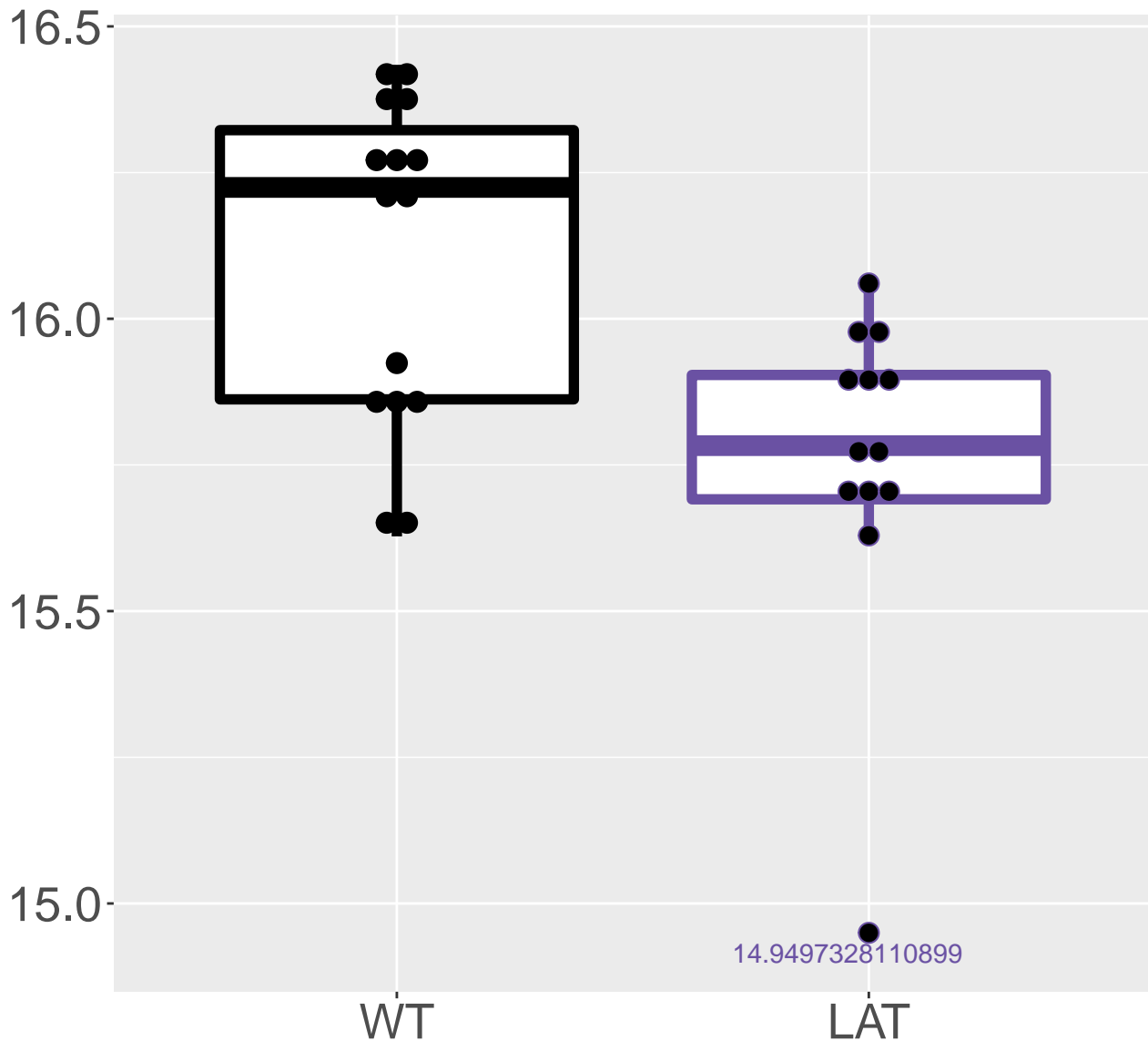


**FDR = 0.025, FC = -0.3**



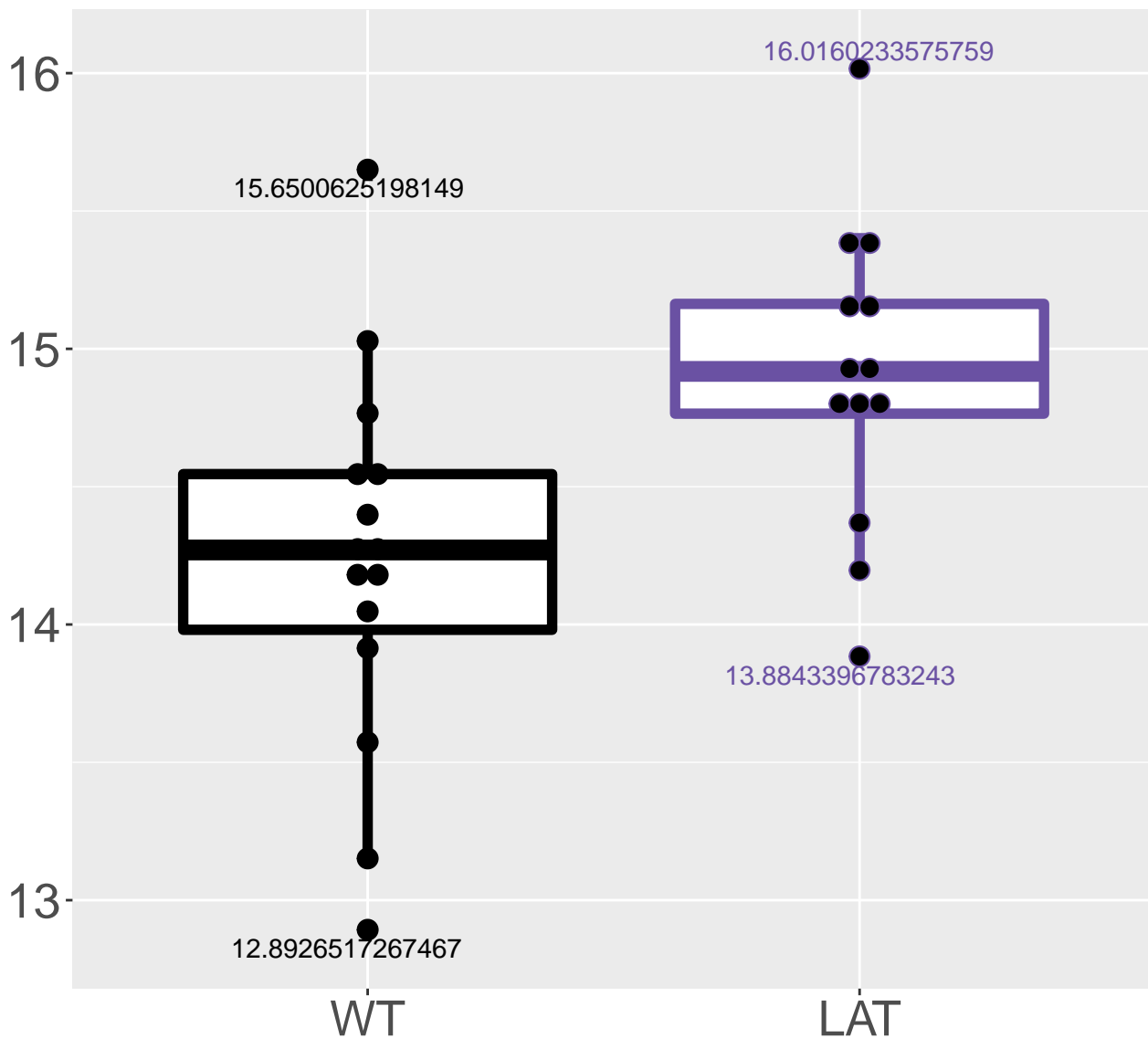
**M813.9306T55.62**

**FDR = 0.025, FC = -0.34**

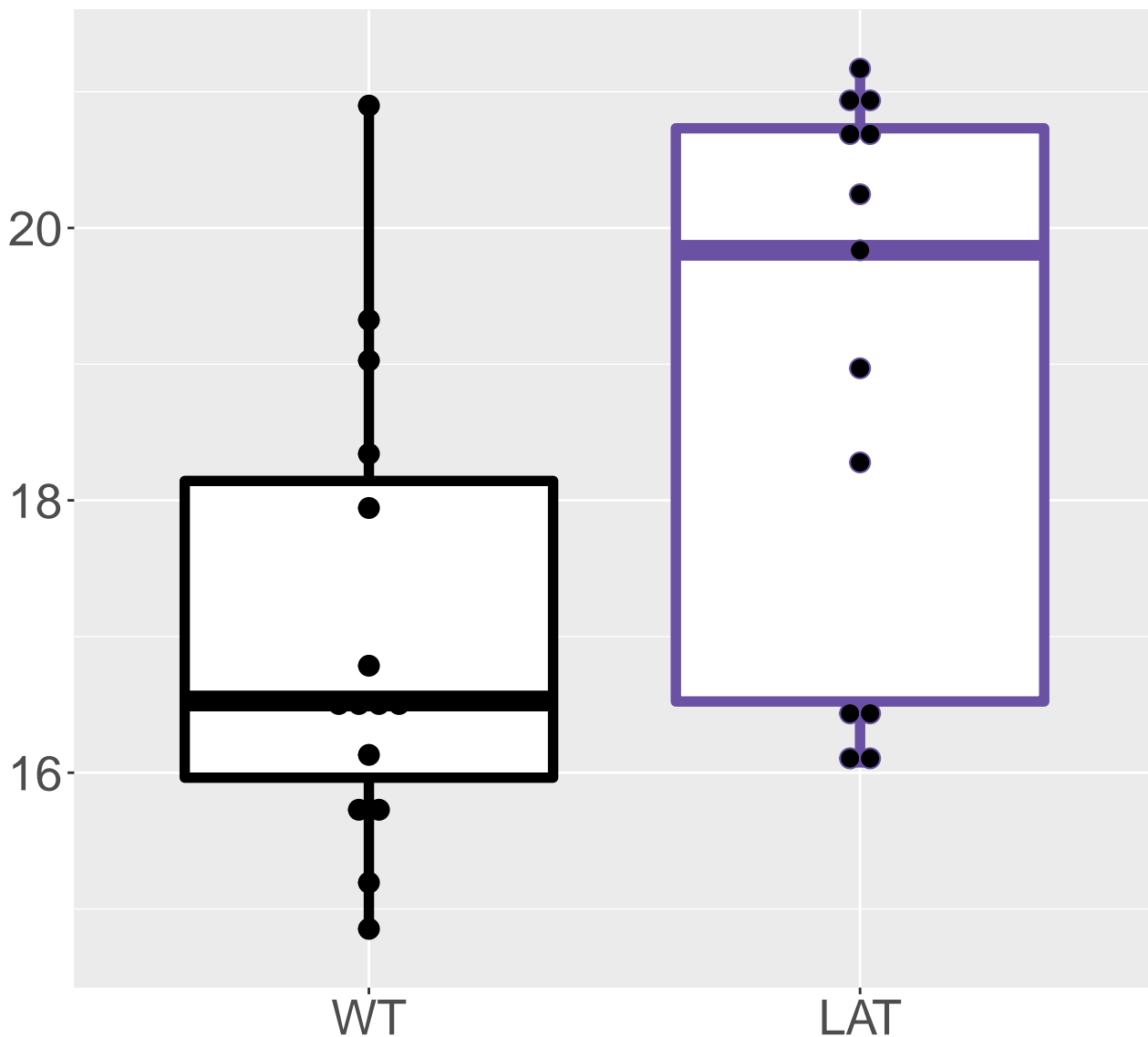


**M256.1674T277.91**

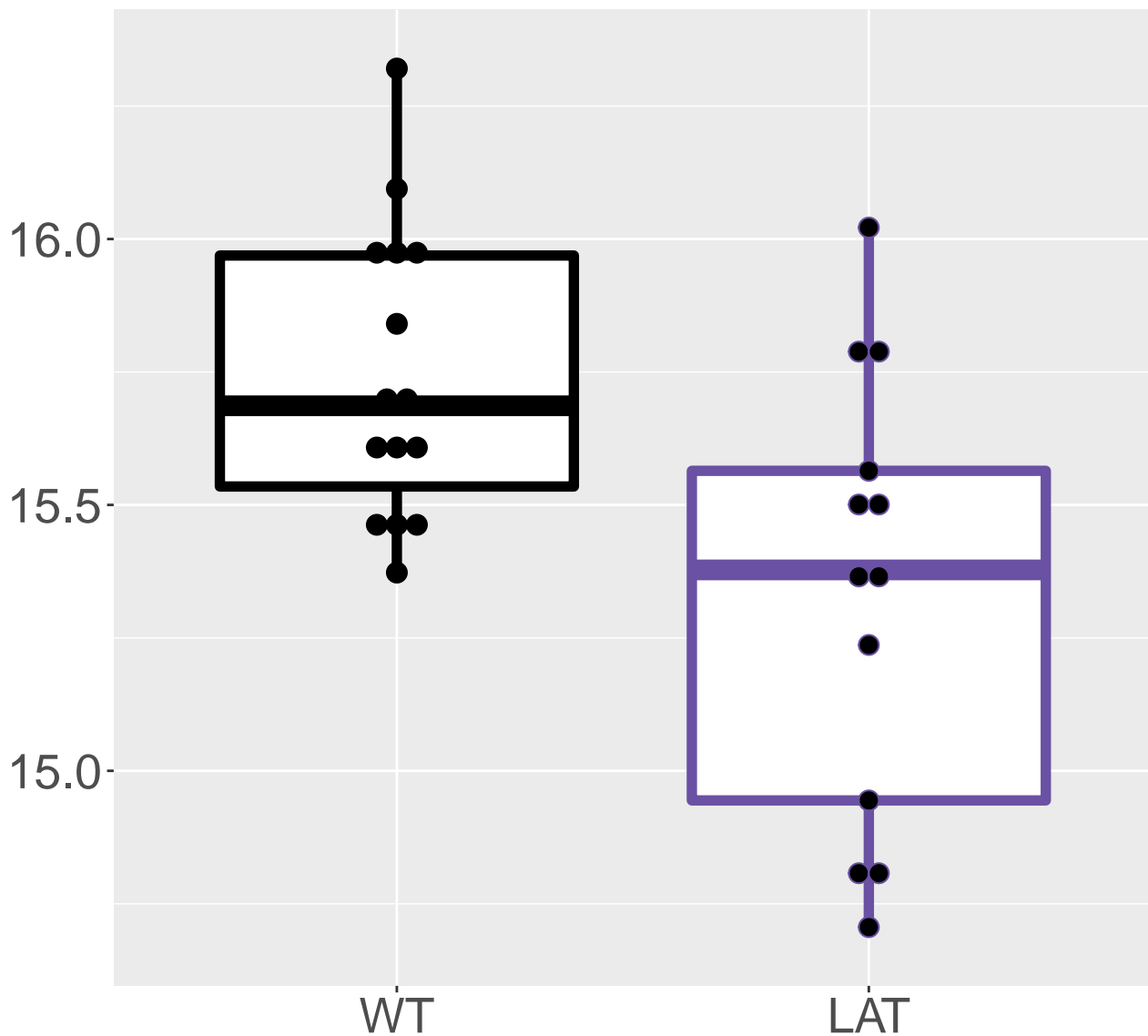
**FDR = 0.026, FC = 0.68**



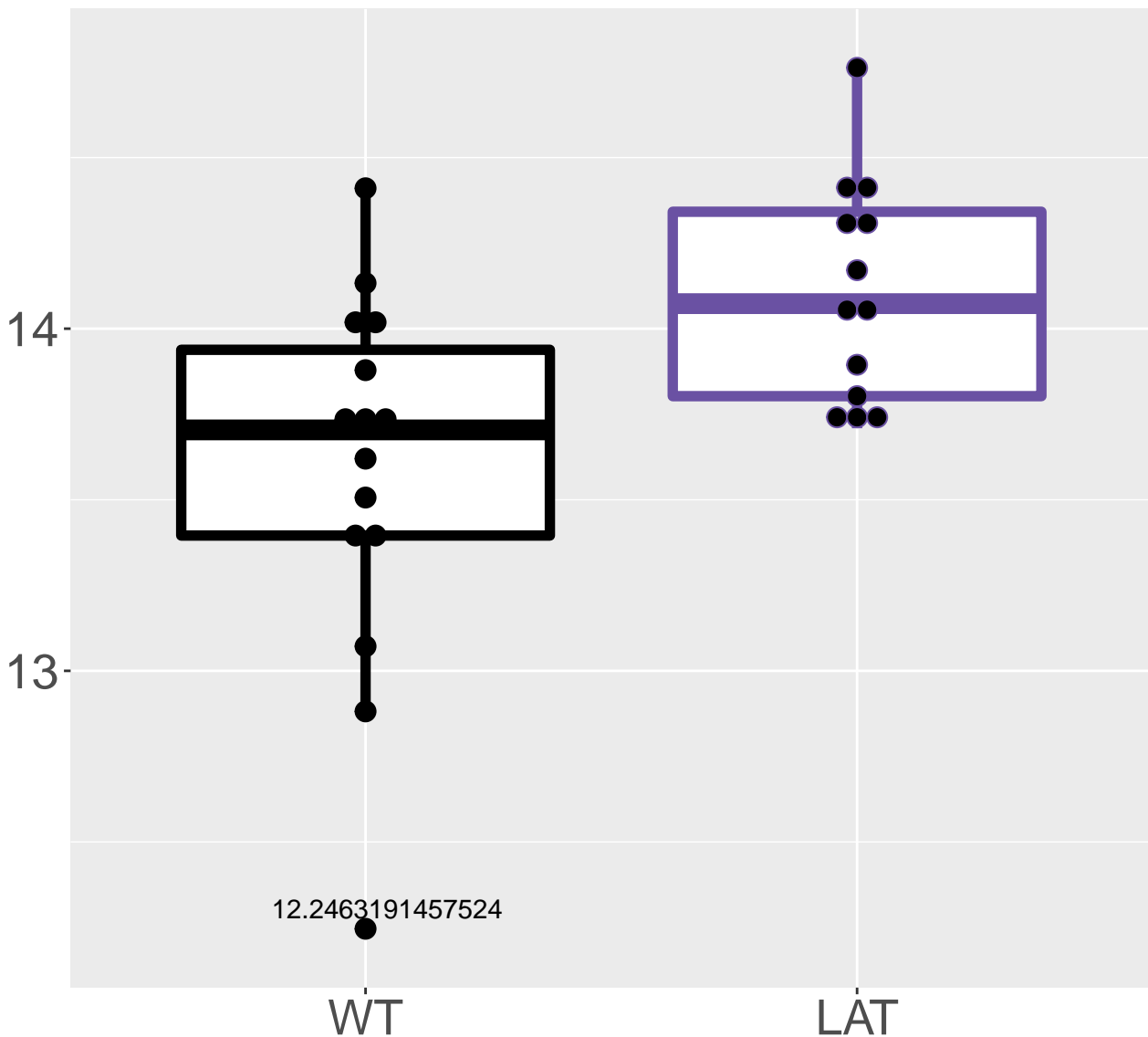
**M464.0839T89.37**  
**FDR = 0.026, FC = 1.9**



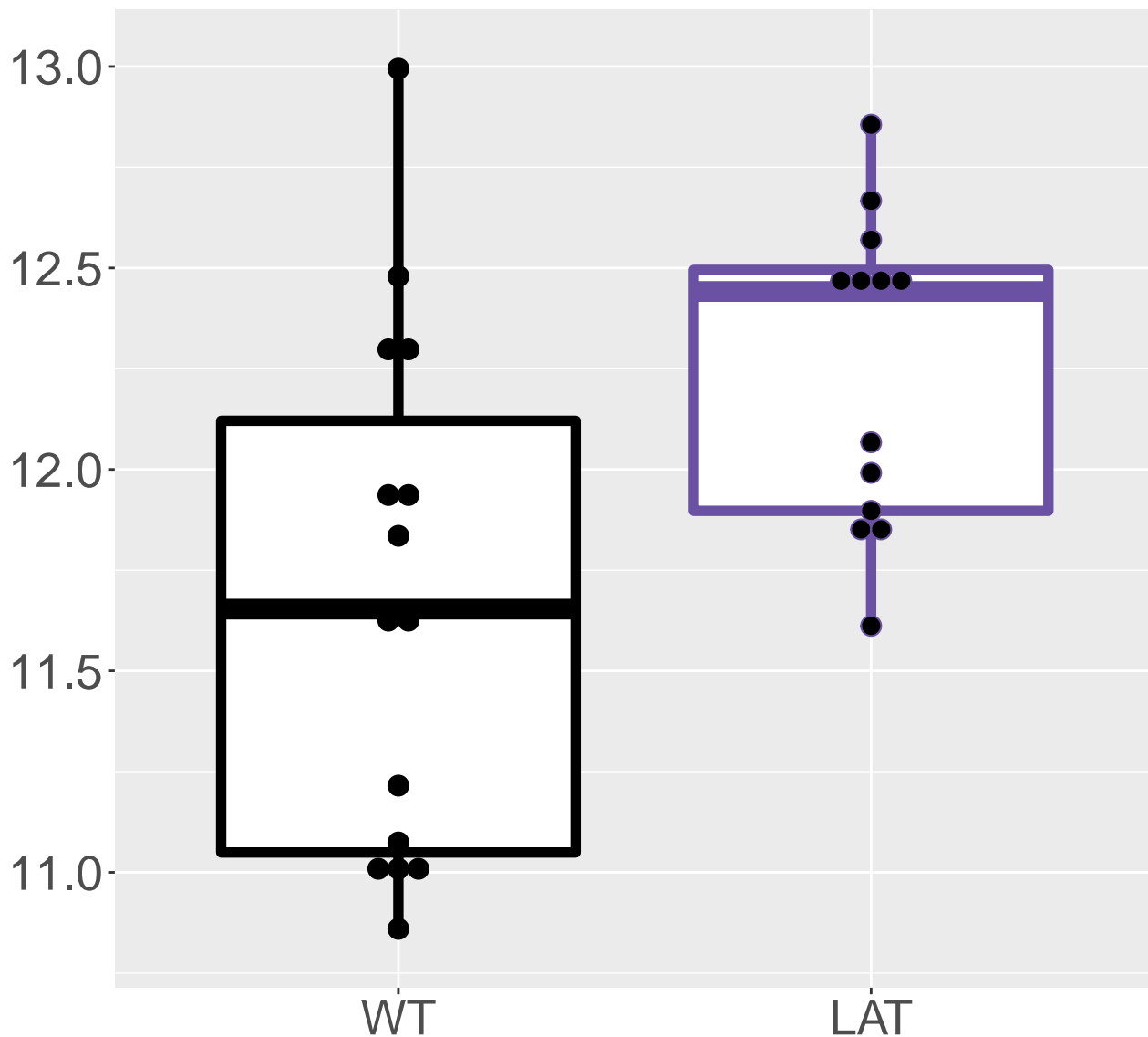
**M159.4878T113.18\_46**  
**FDR = 0.026, FC = -0.41**



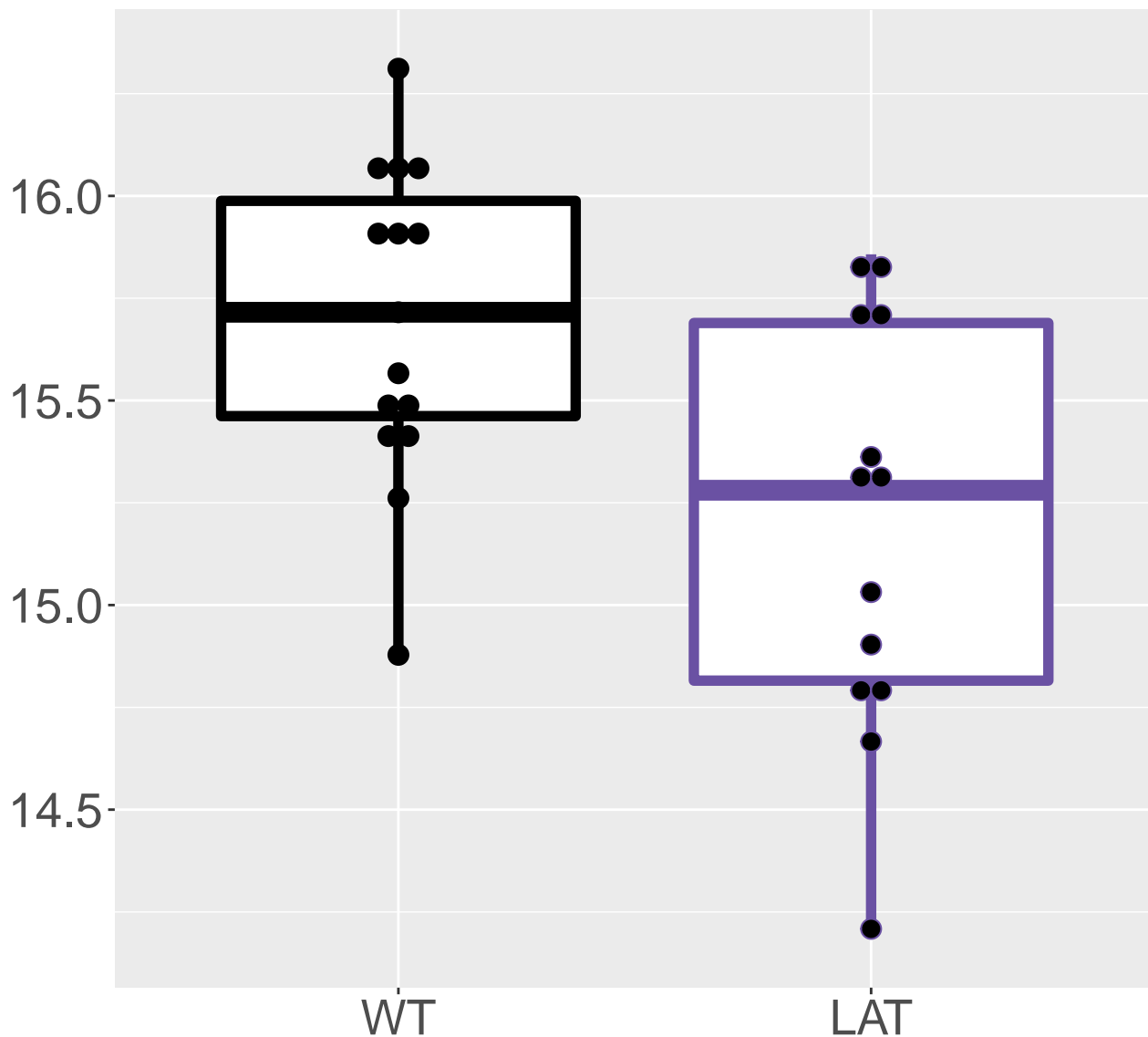
**M471.8513T321.14\_2**  
**FDR = 0.026, FC = 0.52**



**M331.1406T360.89**  
**FDR = 0.026, FC = 0.57**

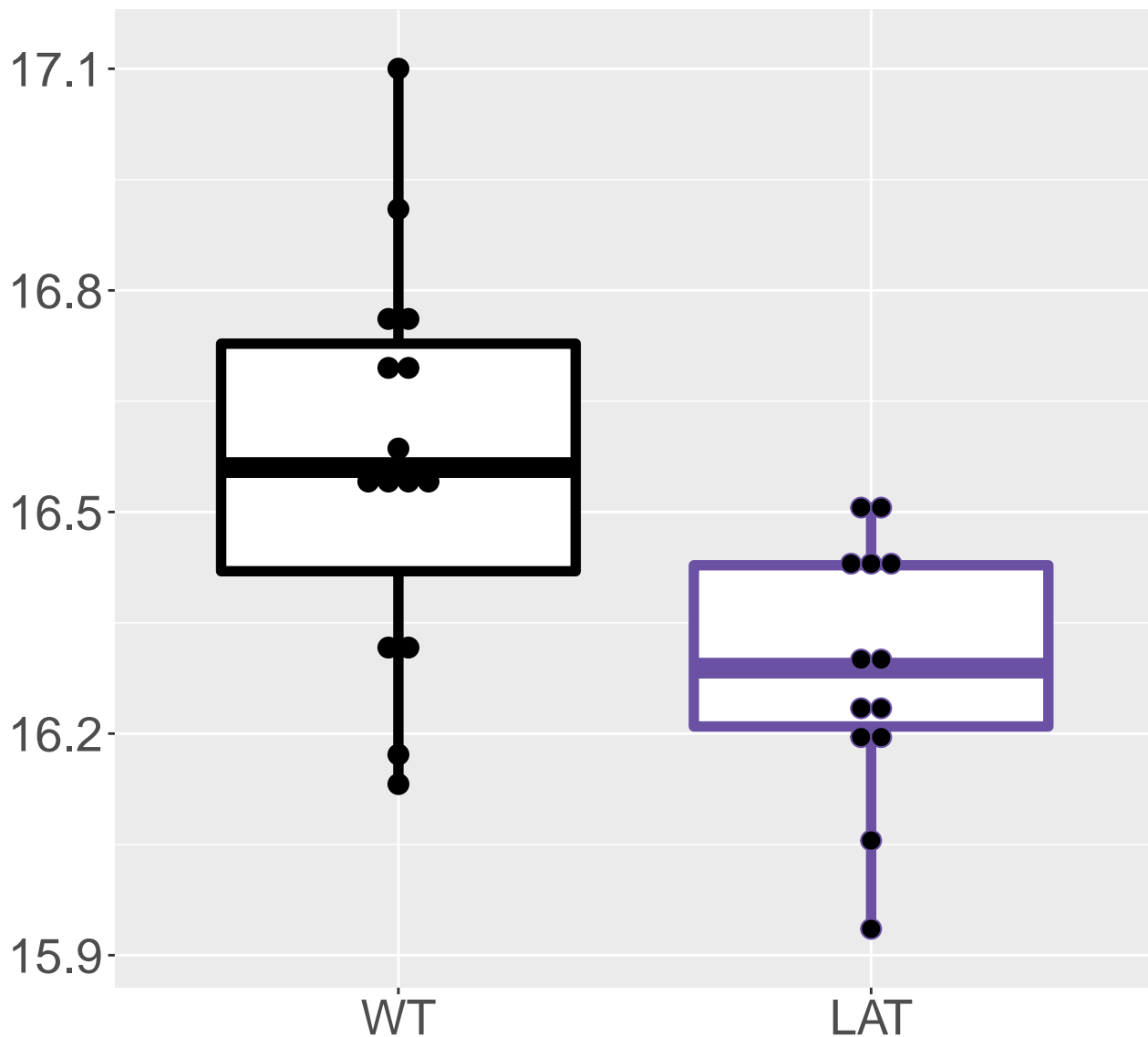


**M159.4682T113.23\_45**  
**FDR = 0.026, FC = -0.51**

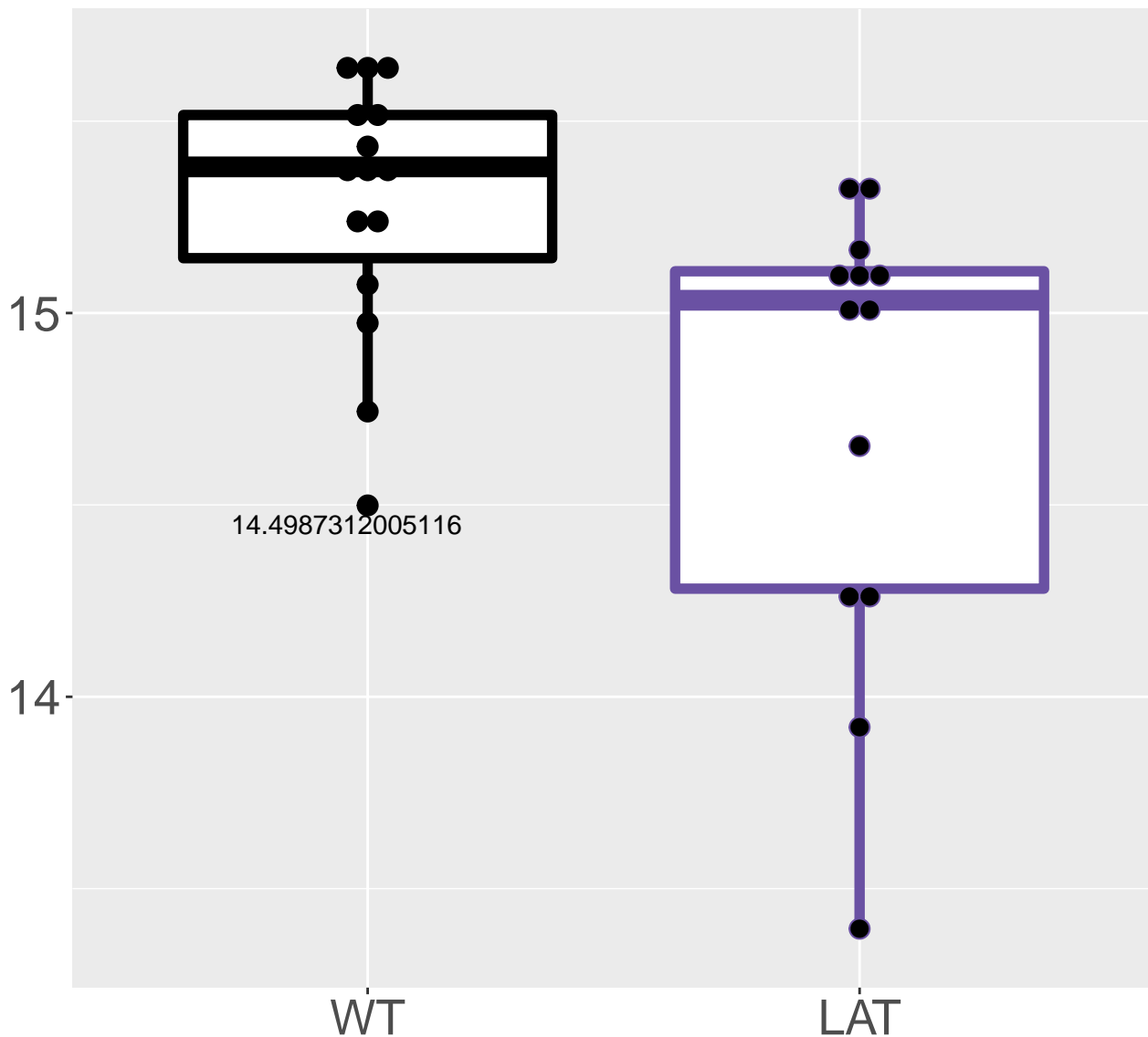




**M651.5157T371.48\_1**  
**FDR = 0.026, FC = -0.28**

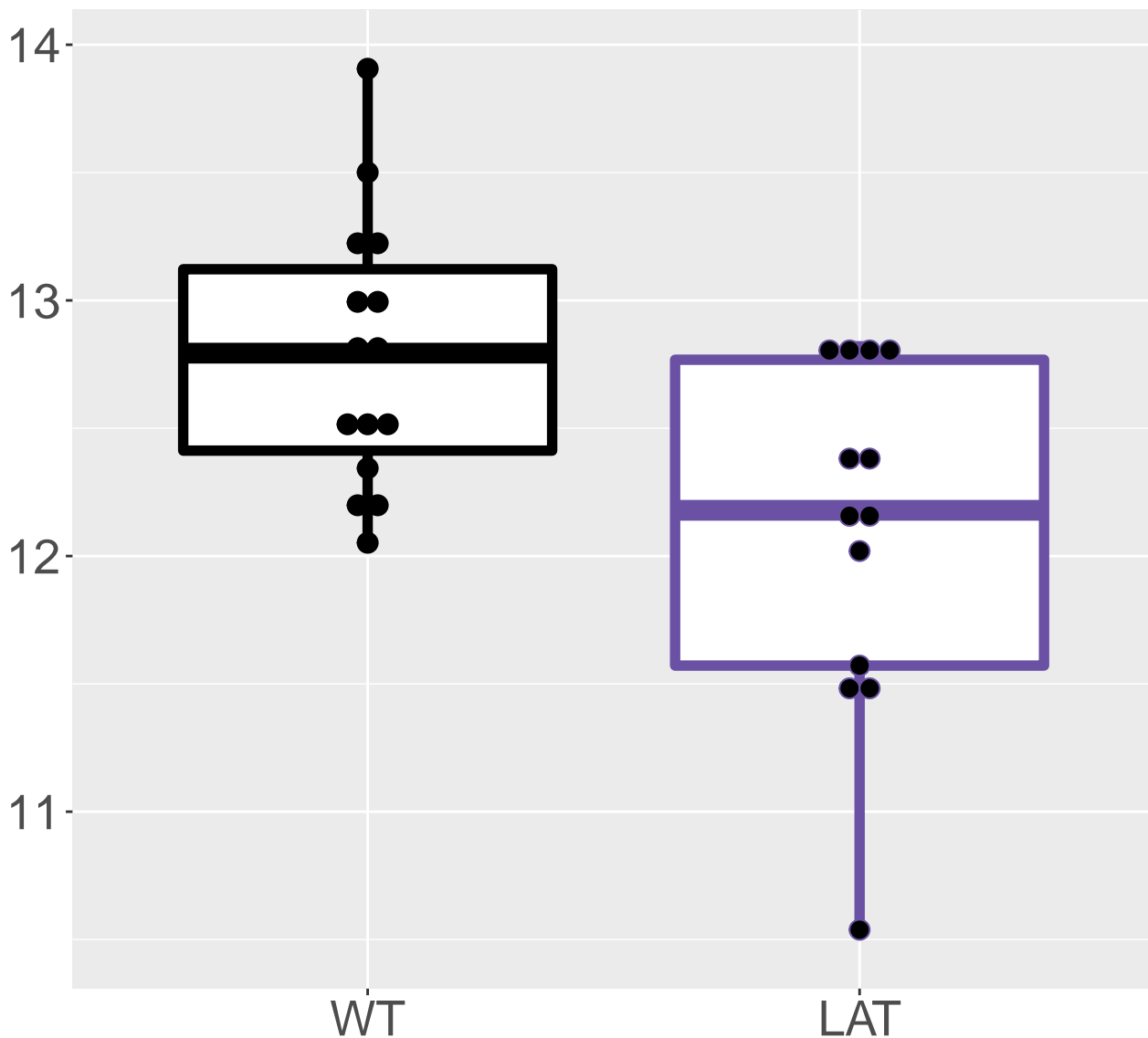


**M155.5473T113.12\_1**  
**FDR = 0.026, FC = -0.54**



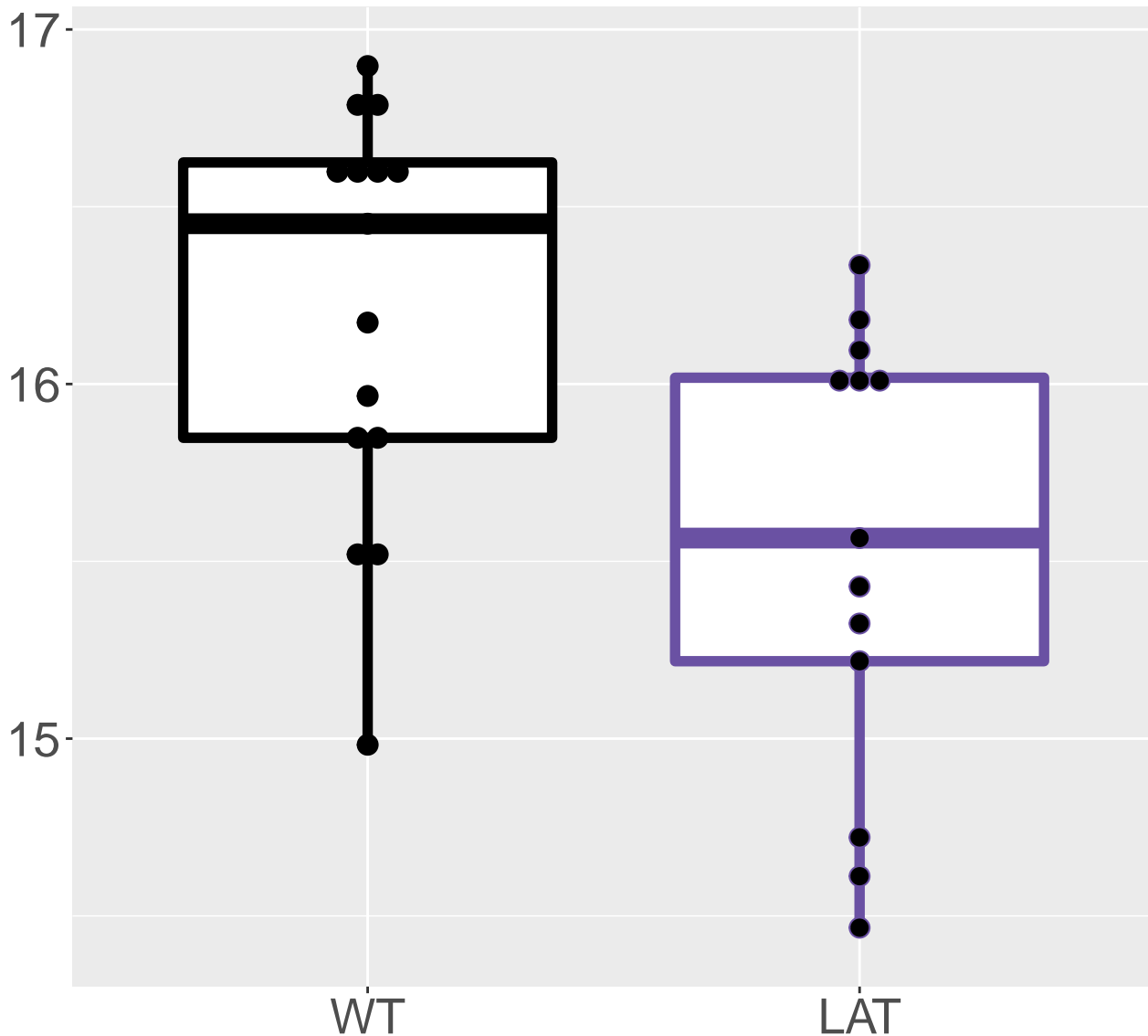
**M380.4763T236.2**

**FDR = 0.026, FC = -0.68**



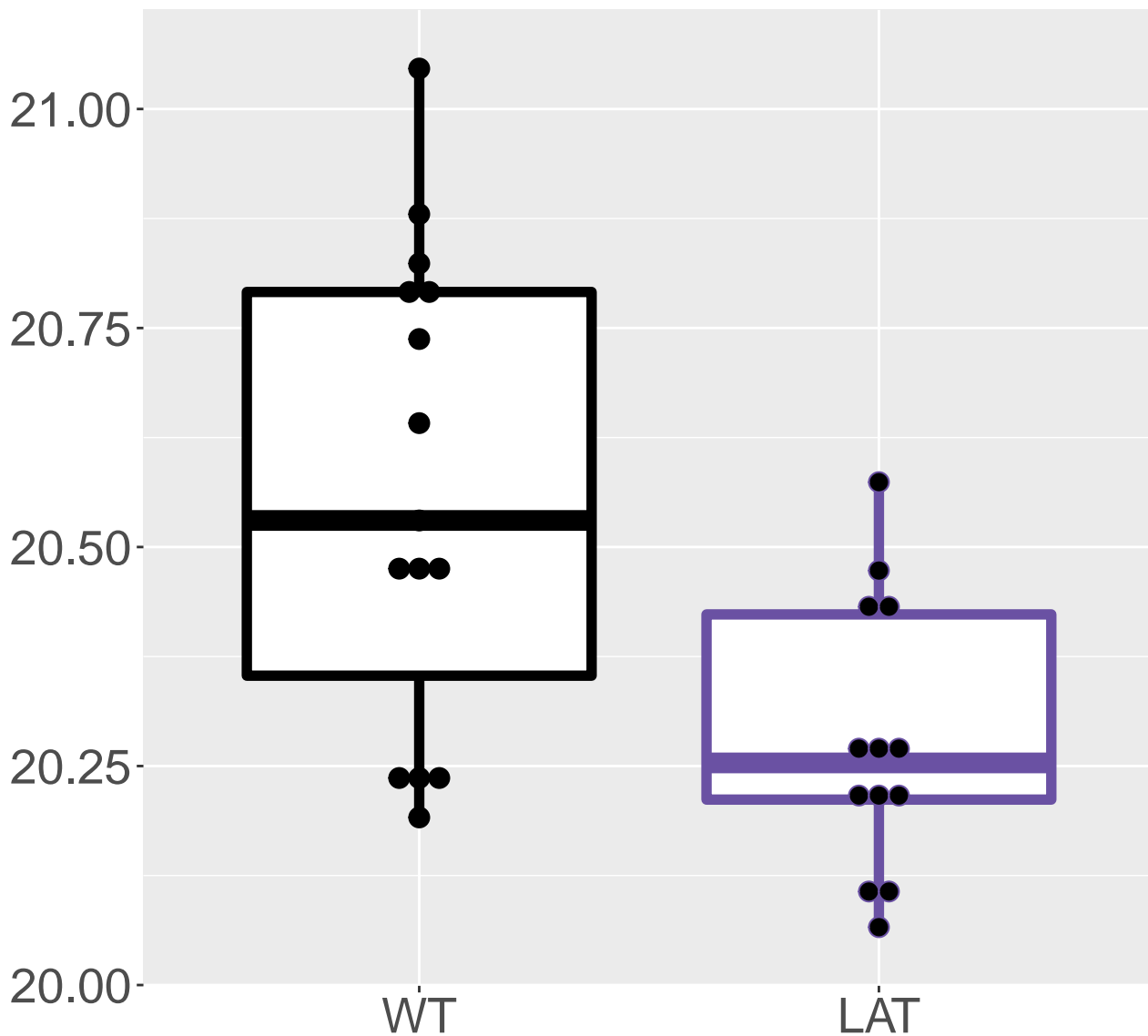
**M126.7484T75.48\_6**

**FDR = 0.026, FC = -0.68**

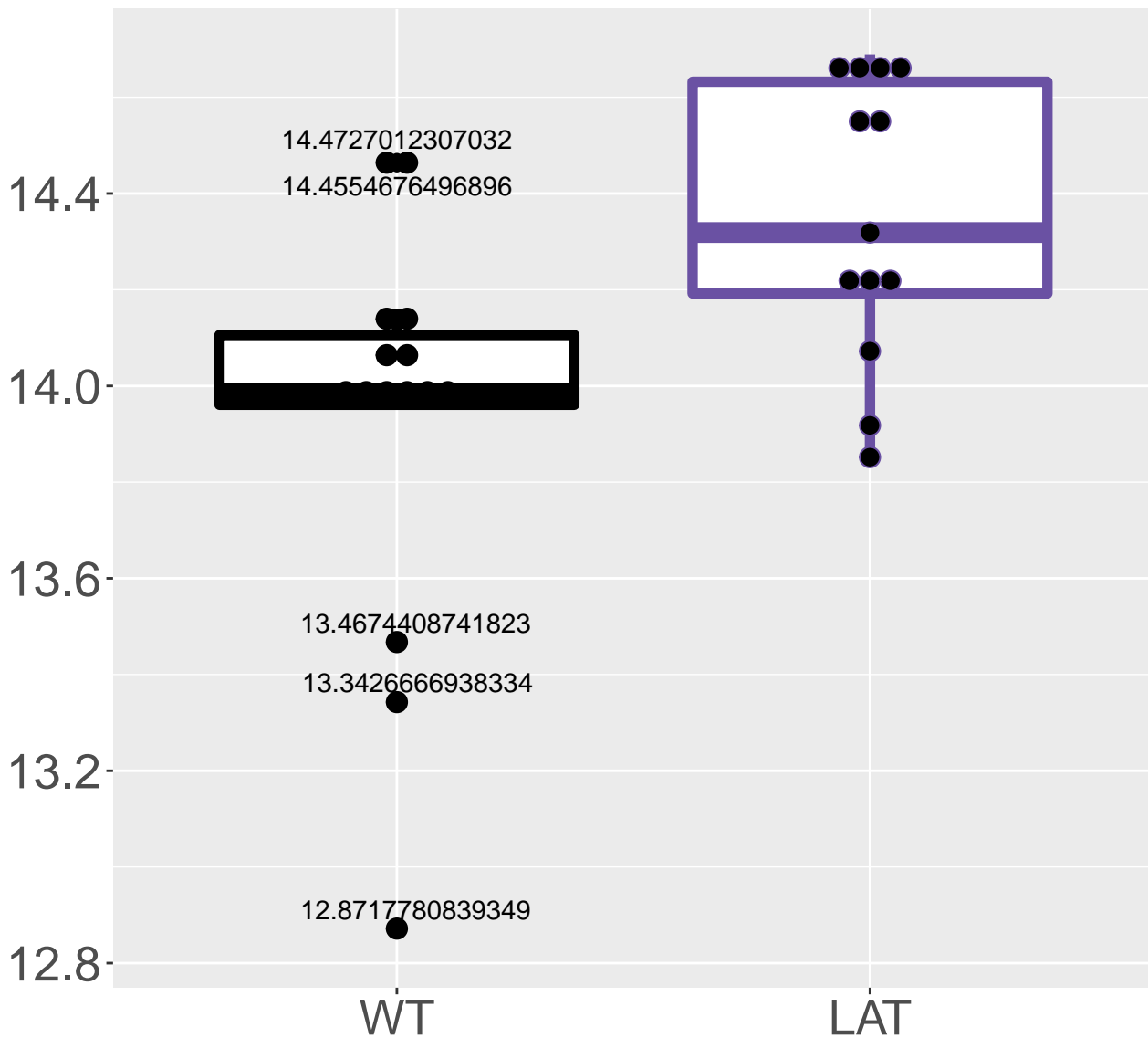


**M650.9013T371.38\_4**

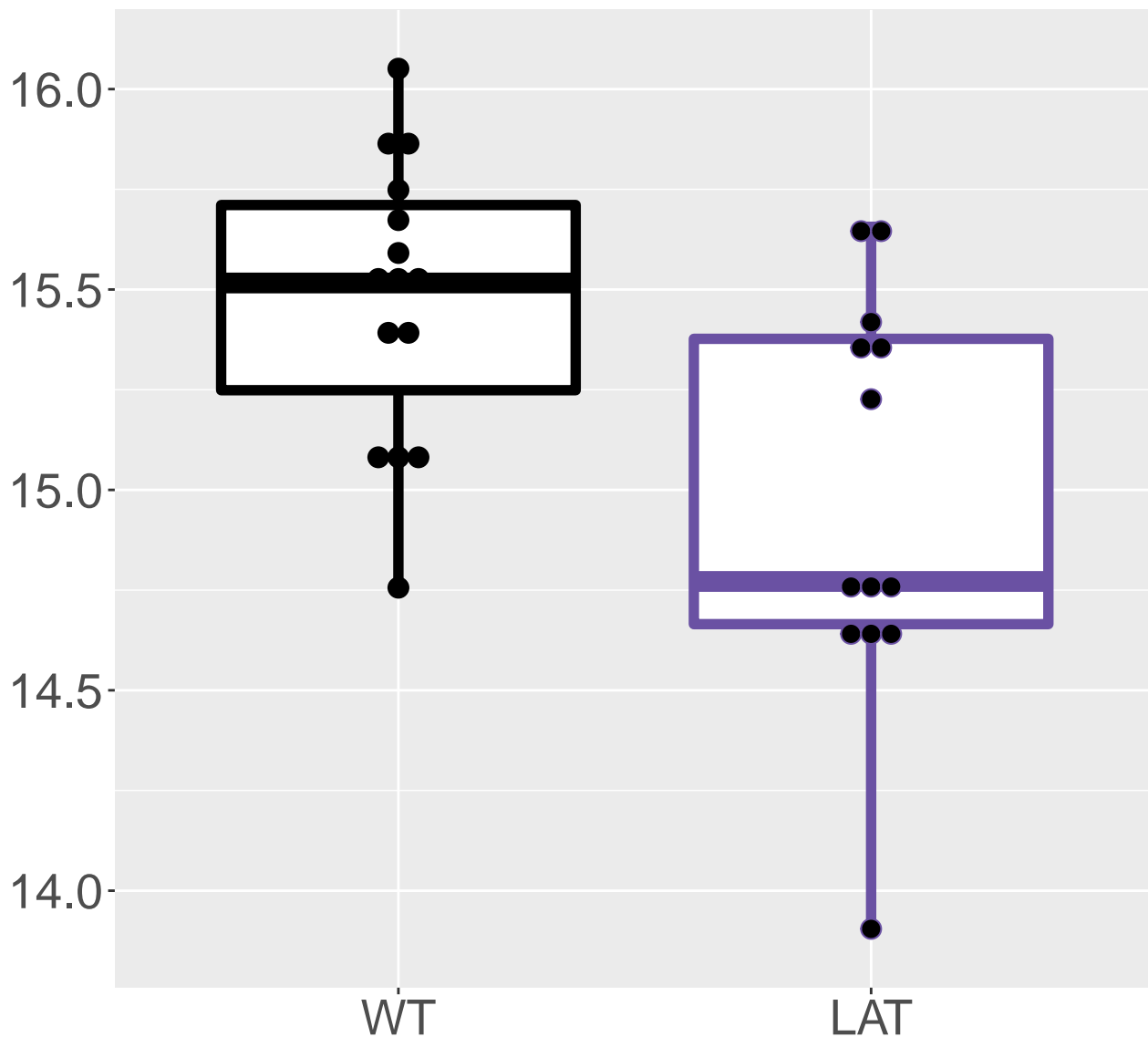
**FDR = 0.026, FC = -0.29**



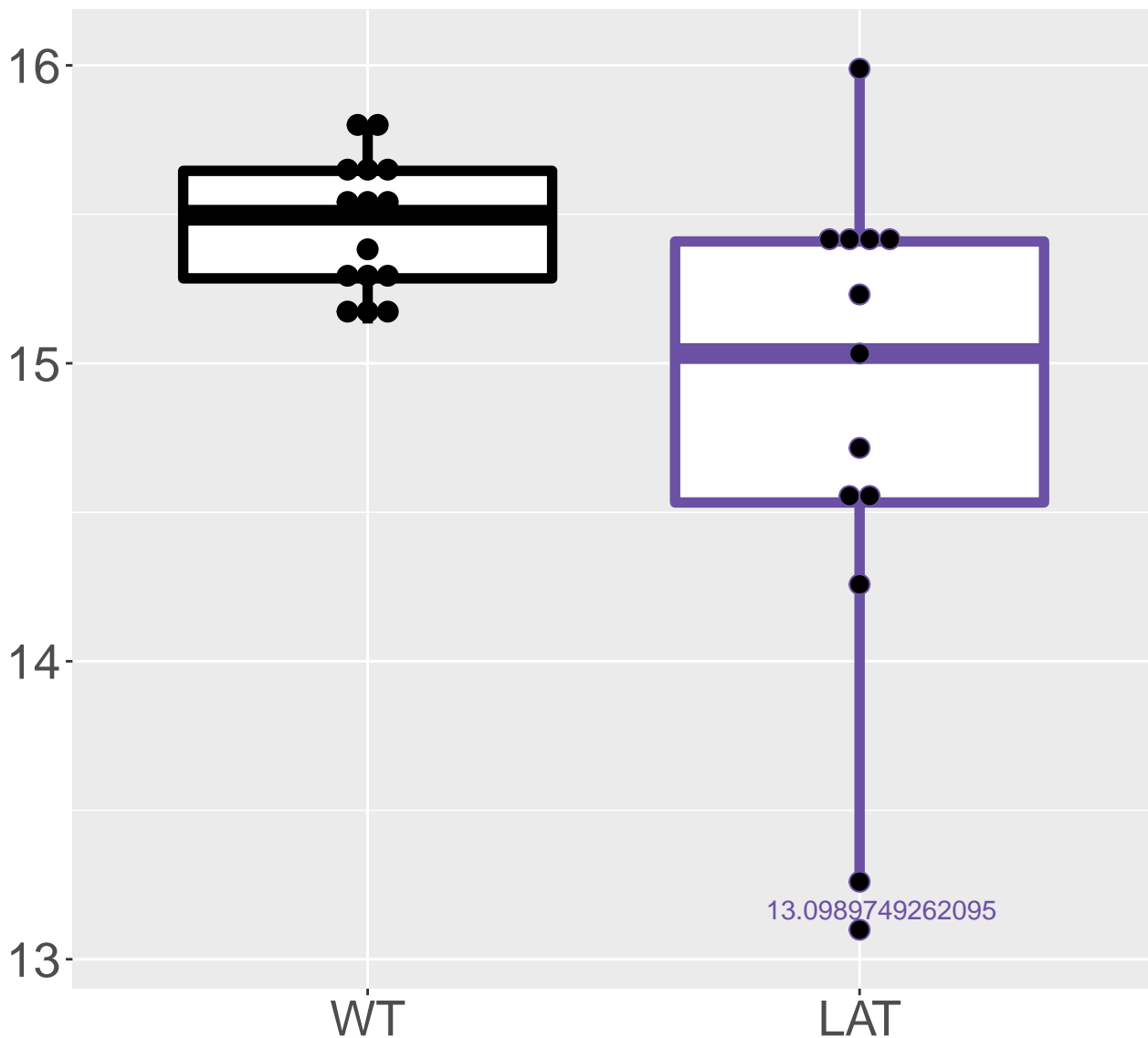
**M723.8102T386.33\_2**  
**FDR = 0.026, FC = 0.43**



**M158.3679T113.21\_33**  
**FDR = 0.026, FC = -0.49**

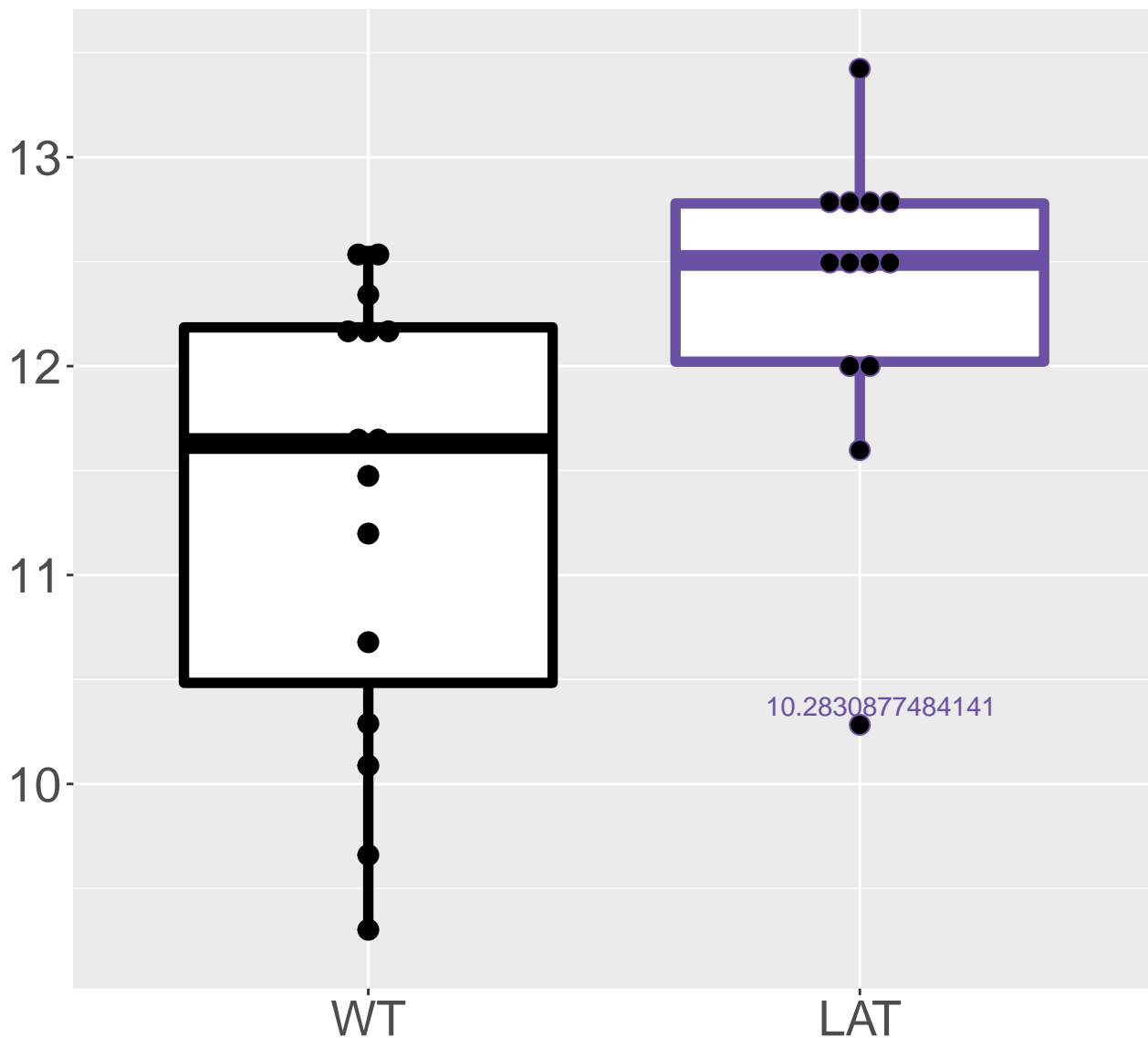


**M157.7714T113.08\_8**  
**FDR = 0.027, FC = -0.67**

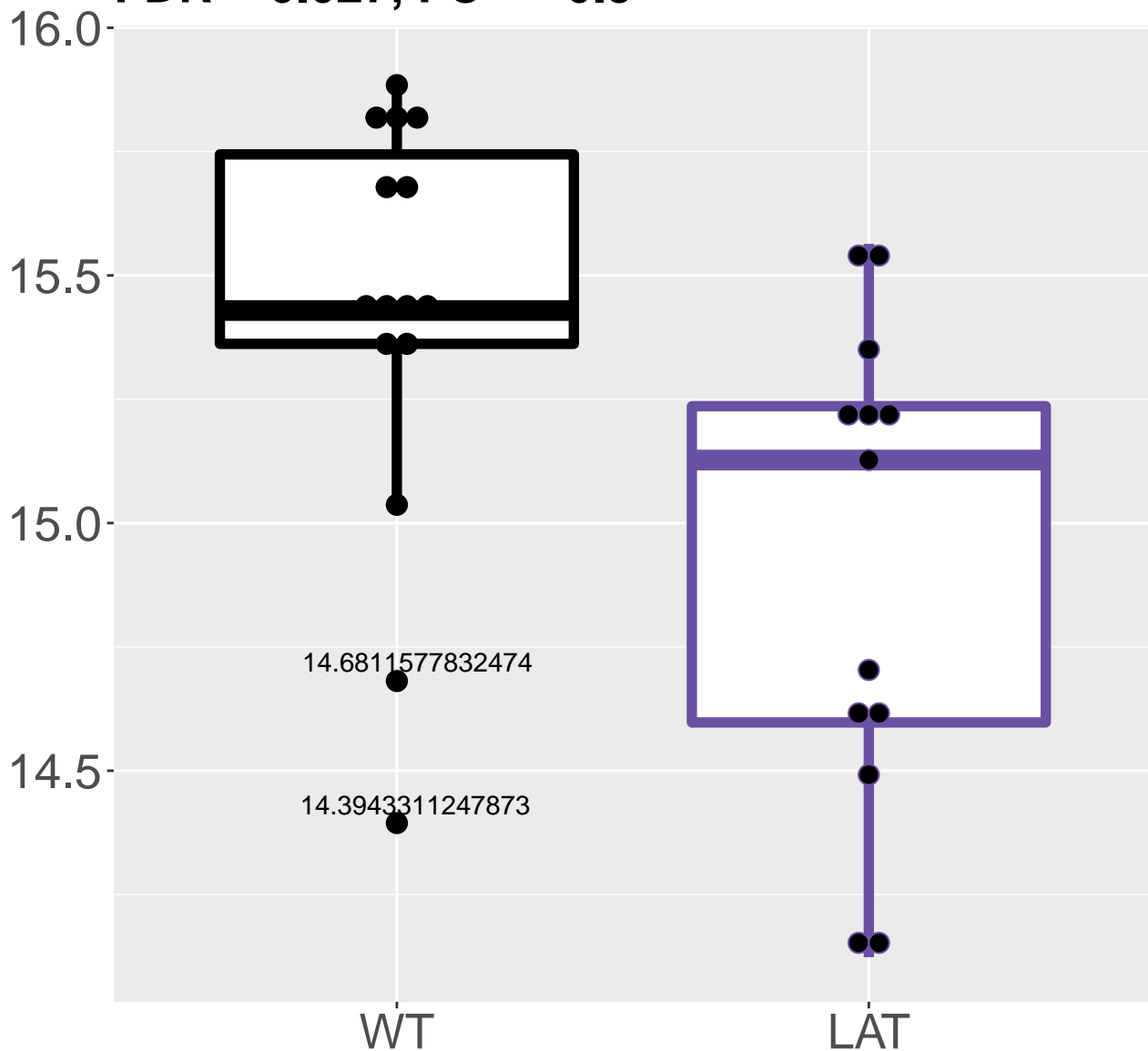




**M247.1663T225.64**  
**FDR = 0.027, FC = 1**

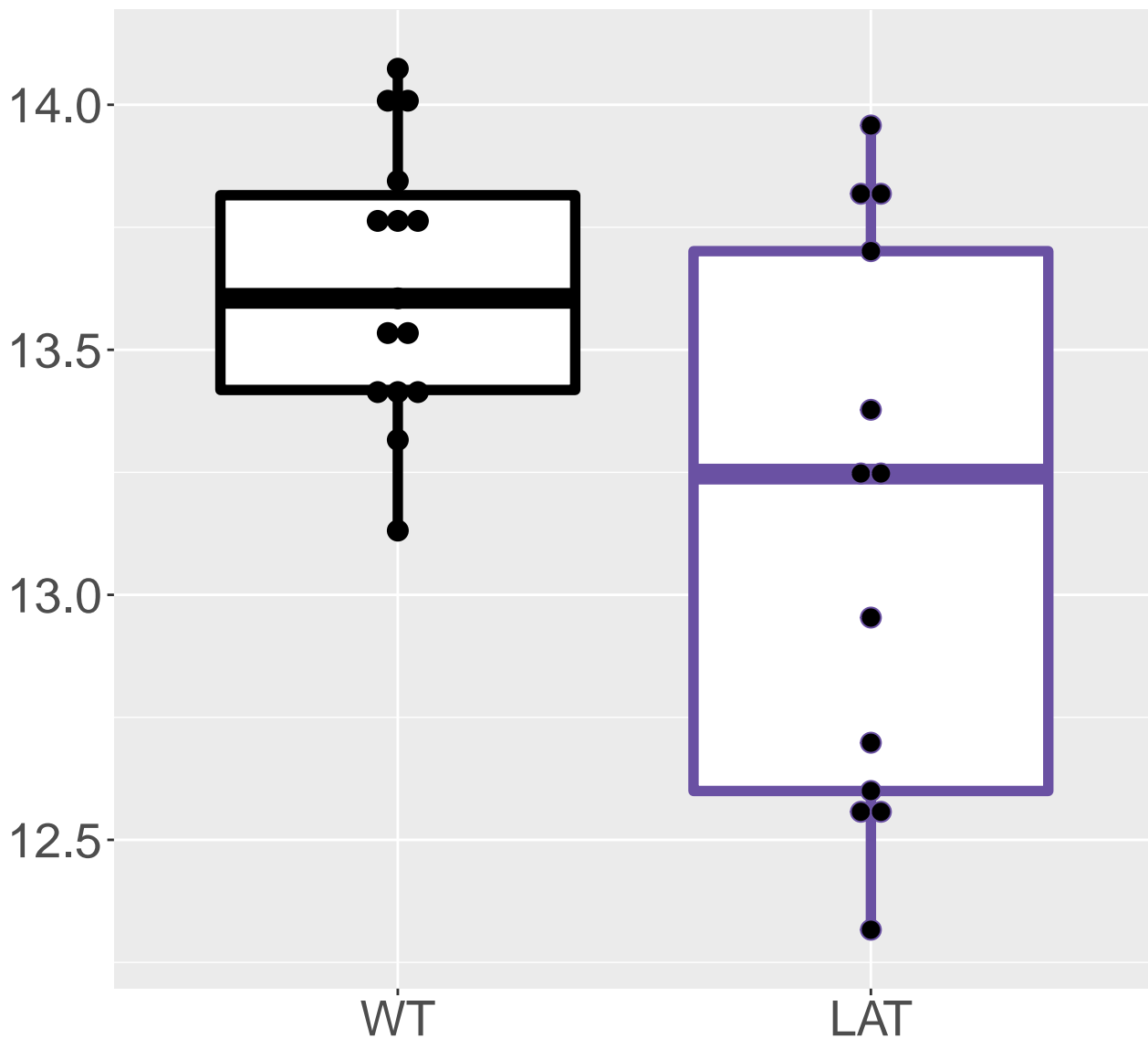


**M157.6878T113.23\_4**  
**FDR = 0.027, FC = -0.5**



**M316.6758T252.31**

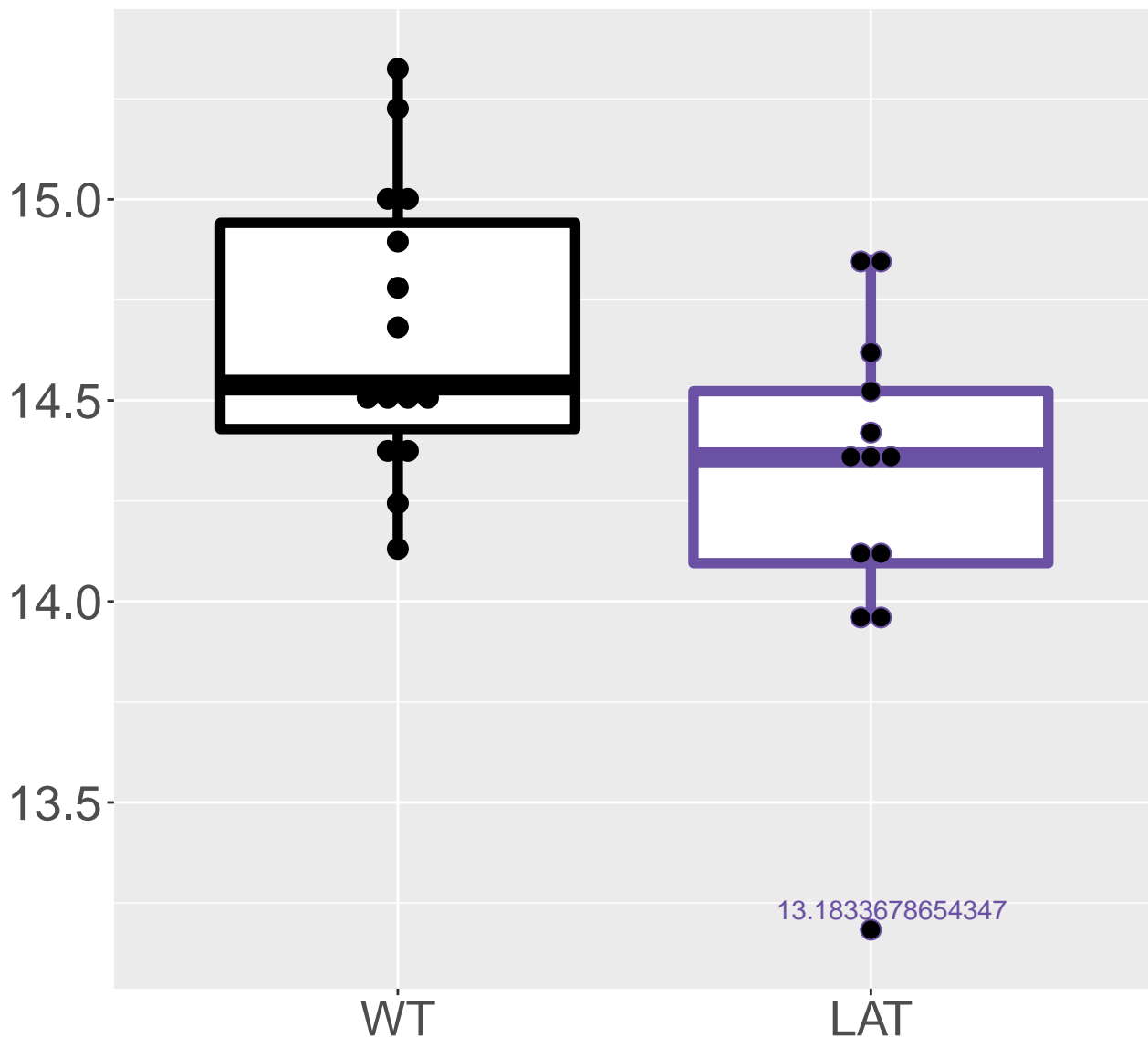
**FDR = 0.027, FC = -0.49**





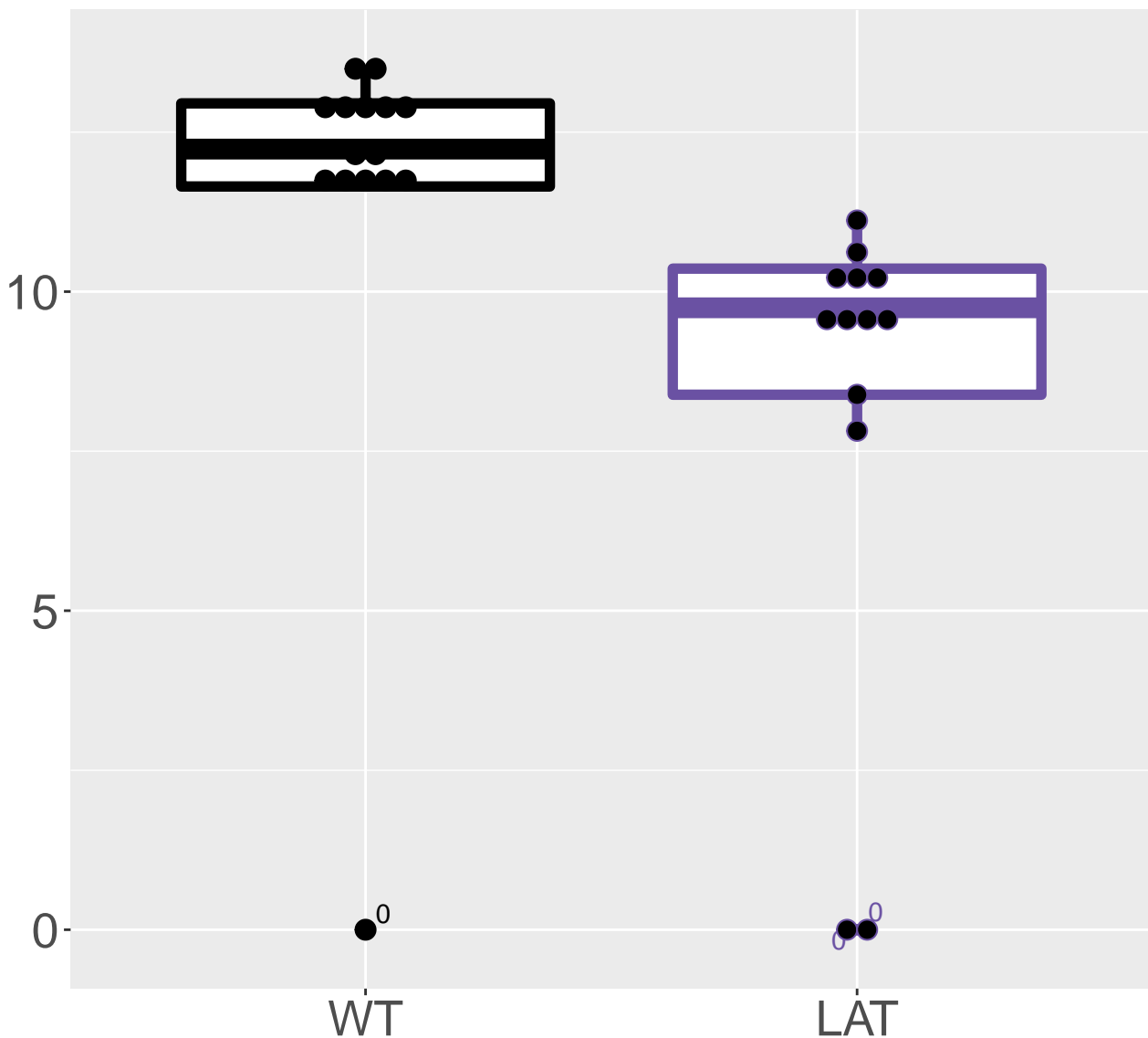
**M771.5712T297.95**

**FDR = 0.027, FC = -0.39, sex\*\***



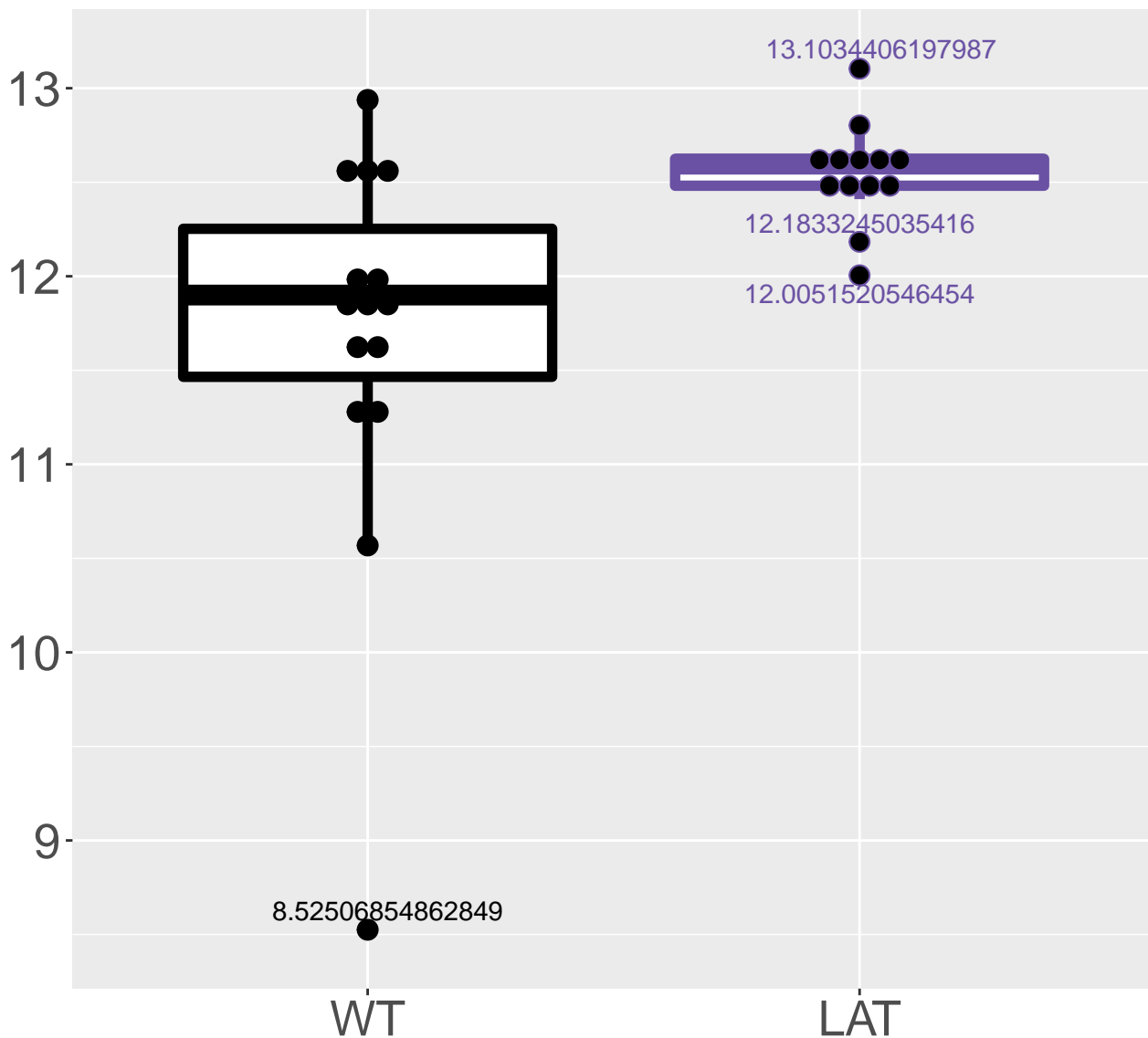
**M309.6783T253.72**

**FDR = 0.027, FC = -3.4**



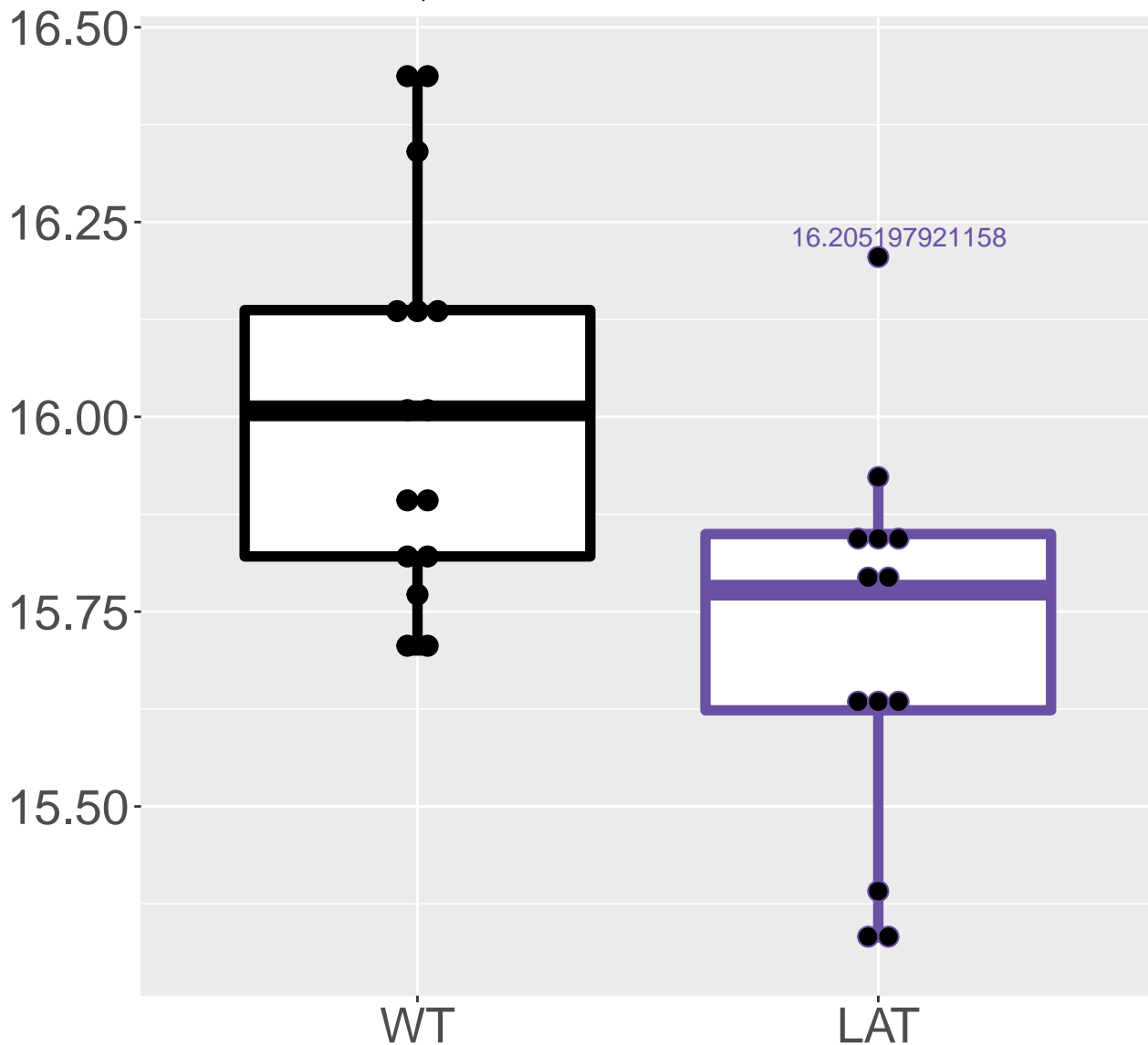
**M327.154T269.56**

**FDR = 0.027, FC = 0.87**



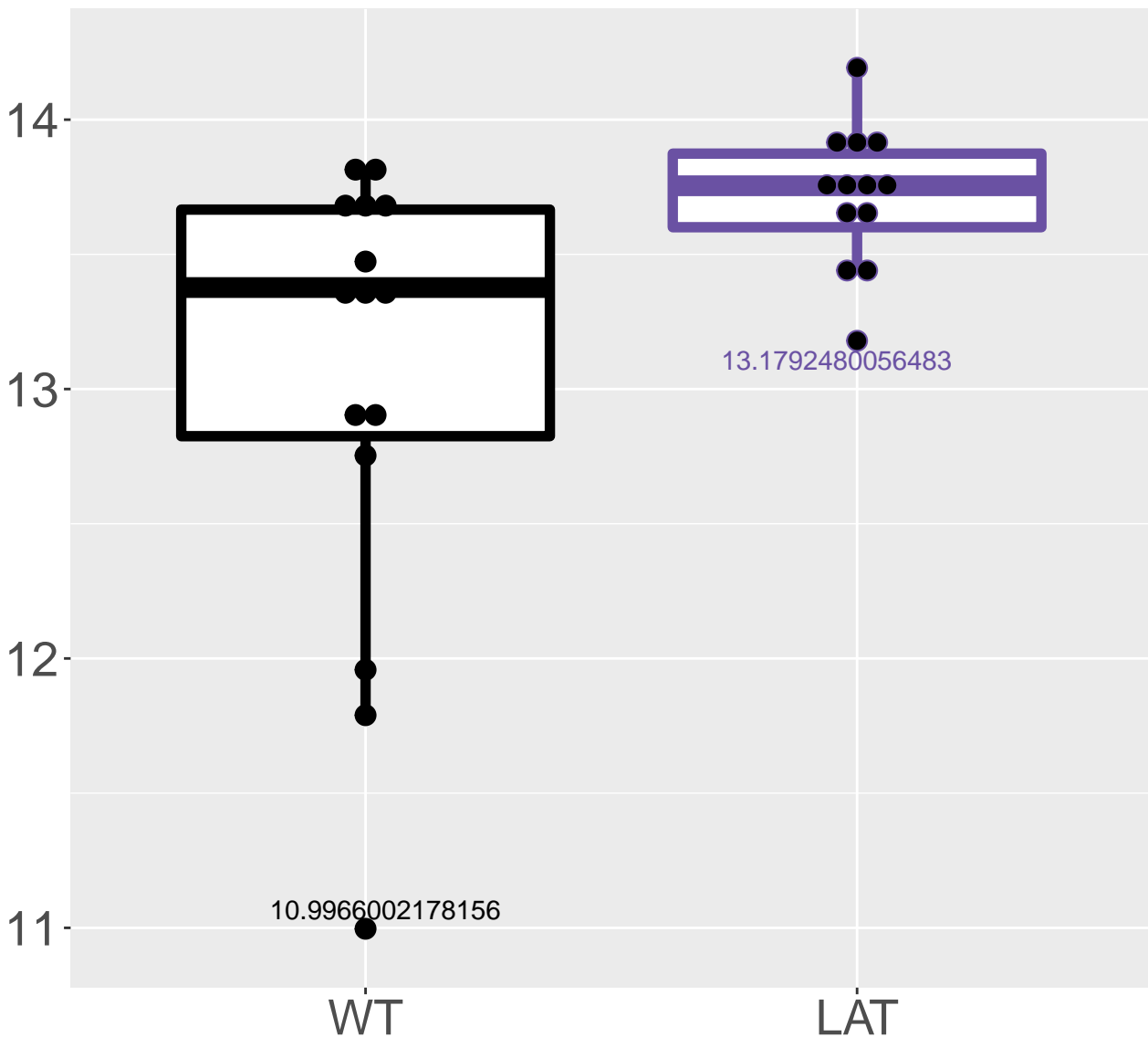
**M196.0316T44.82**

**FDR = 0.027, FC = -0.31**



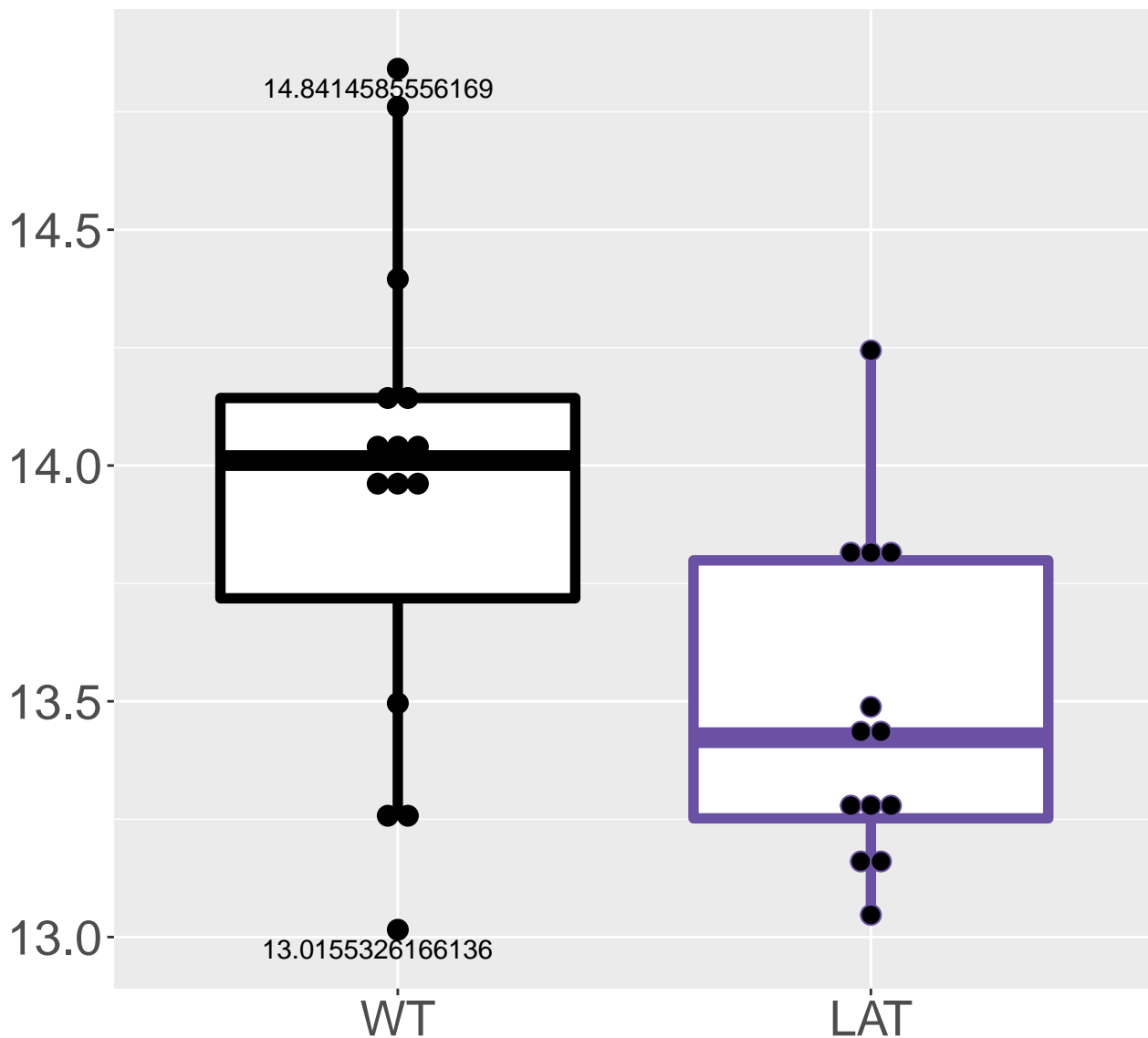


**M619.6774T319.53**  
**FDR = 0.027, FC = 0.68**

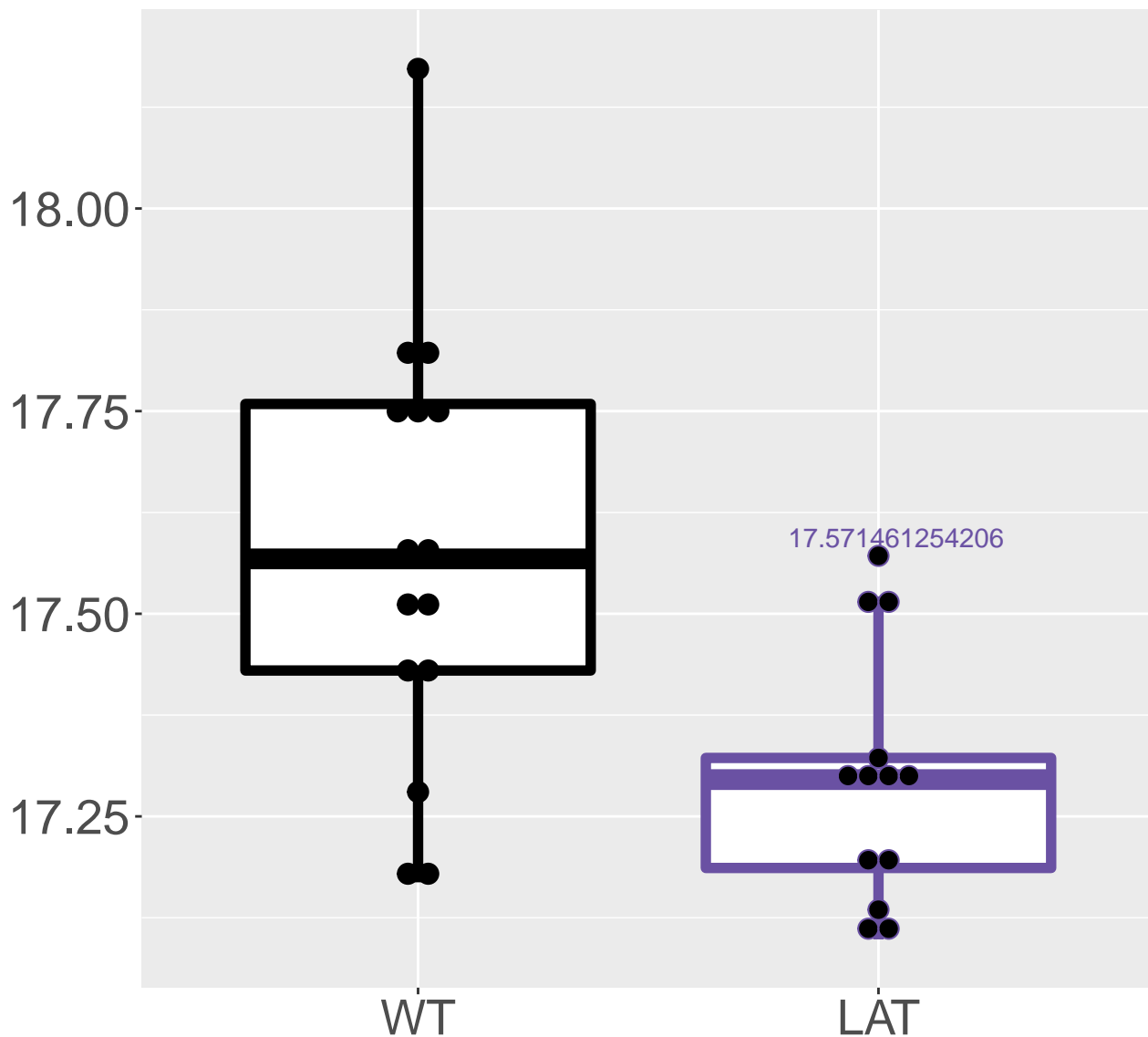


**M344.184T276.06**

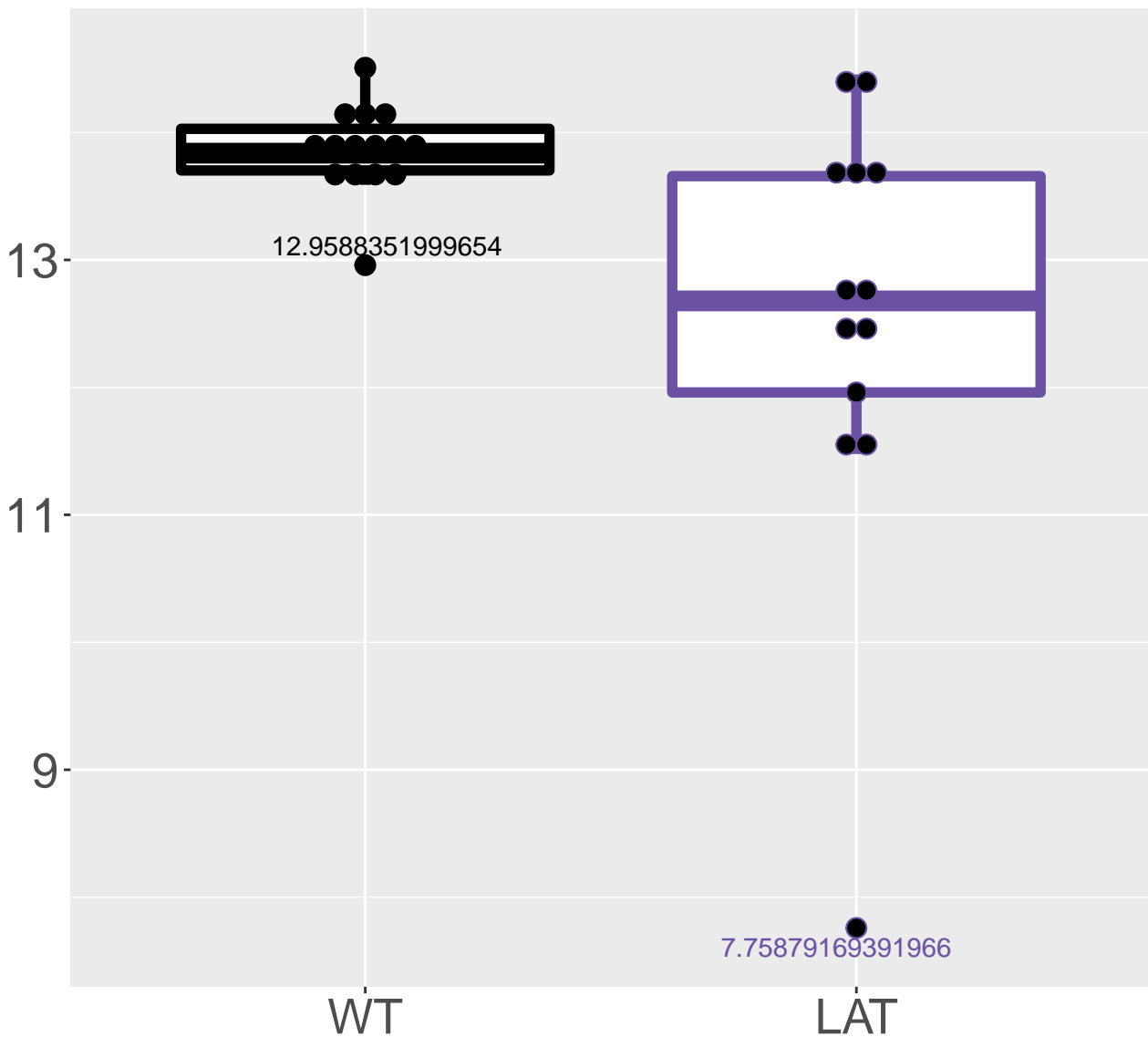
**FDR = 0.027, FC = -0.47**



**M651.4386T371.41\_11**  
**FDR = 0.028, FC = -0.28**

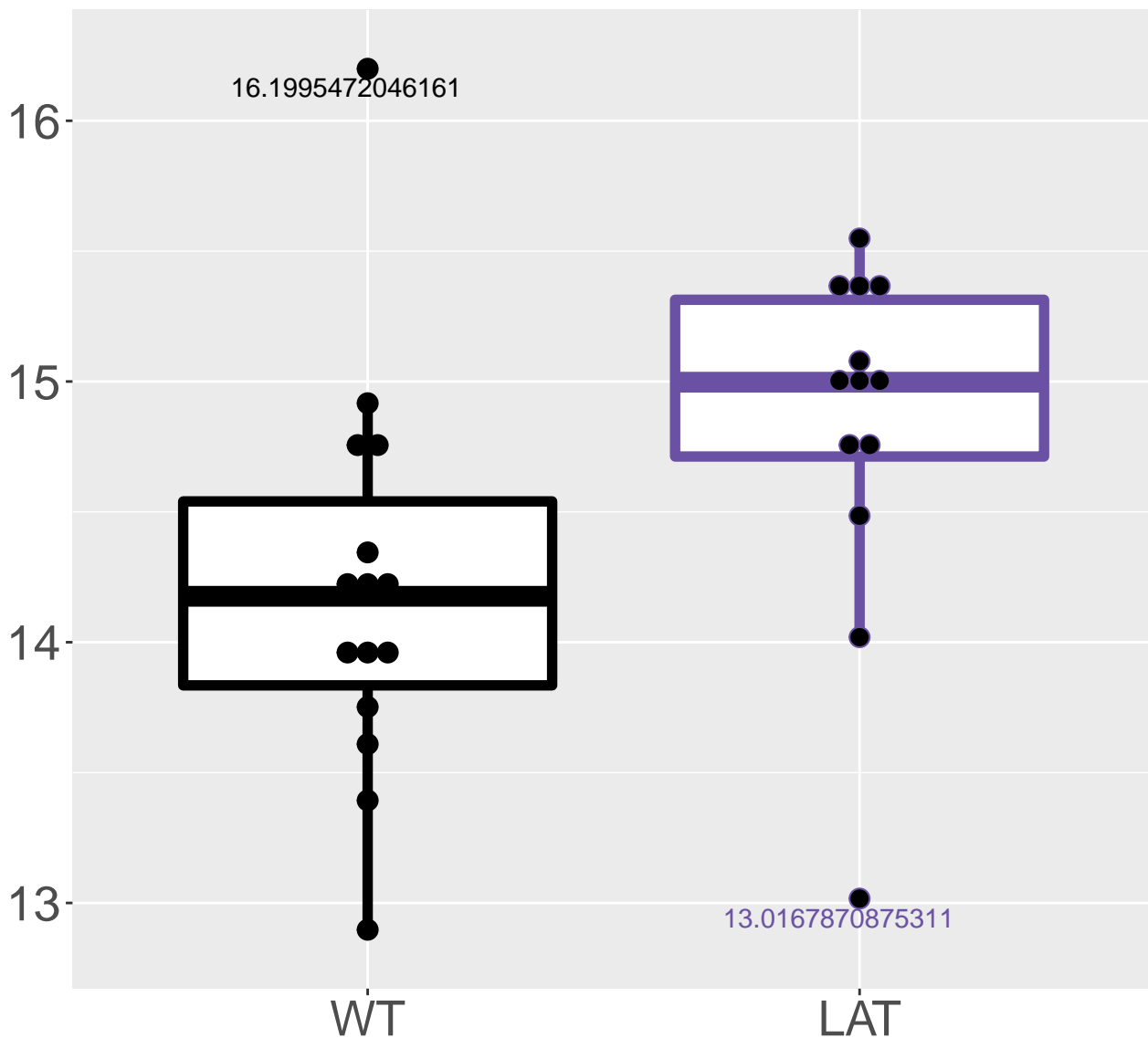


**M311.1804T254.97**  
**FDR = 0.028, FC = -1.3**



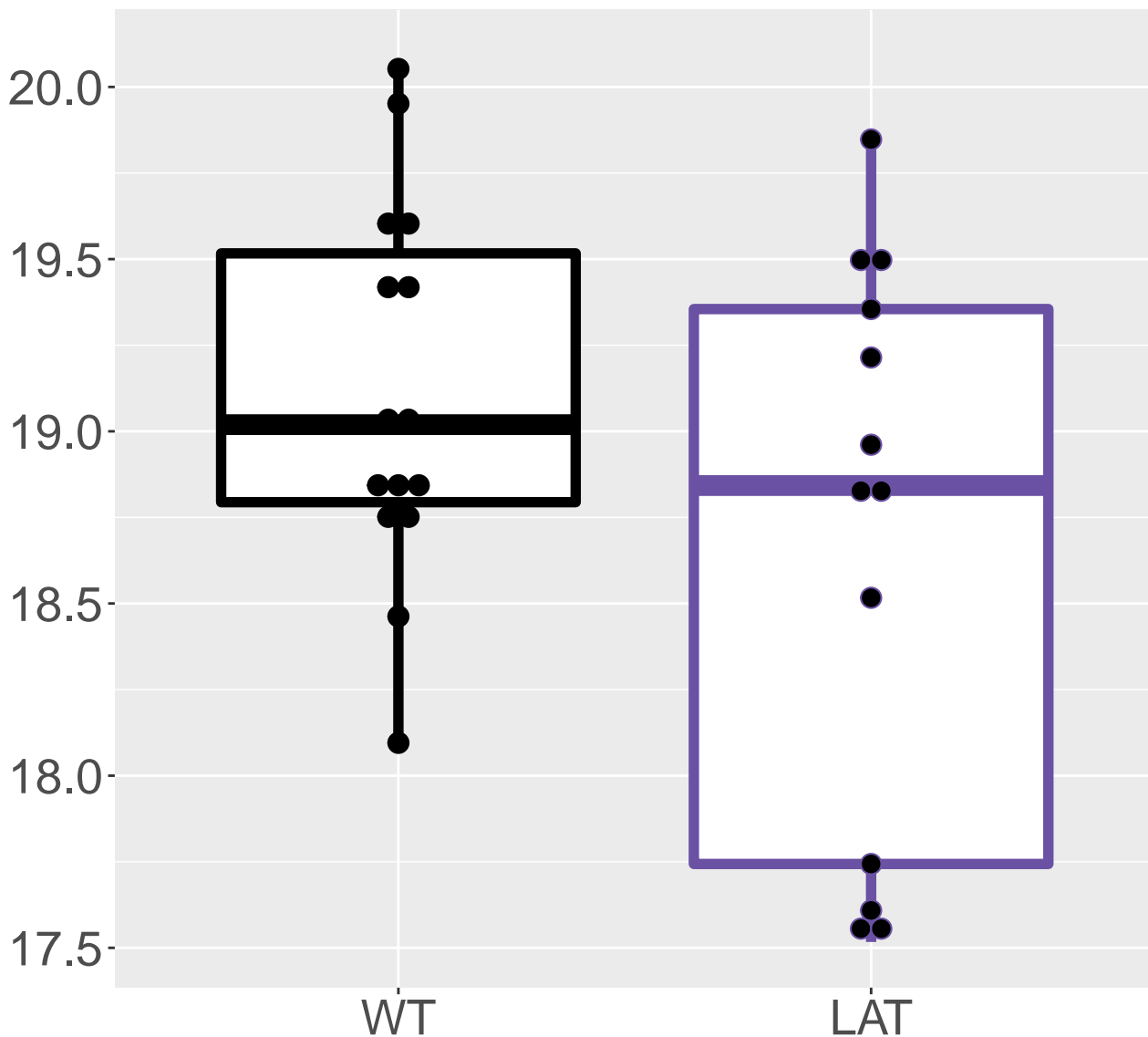
**M672.2982T86.87**

**FDR = 0.028, FC = 0.61, sex\***

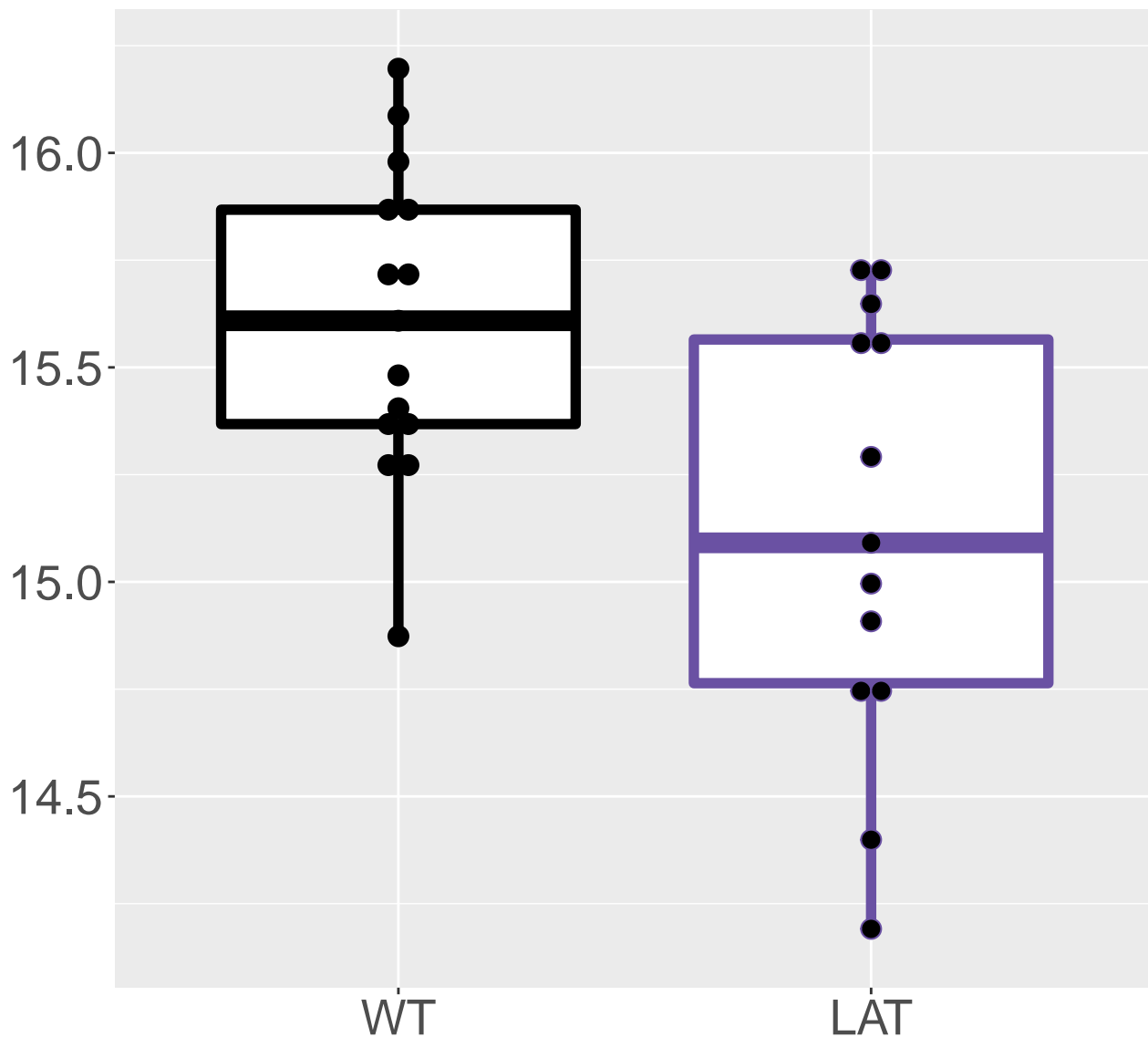


**M497.1376T332.46**

**FDR = 0.028, FC = -0.42, sex\*\*\***

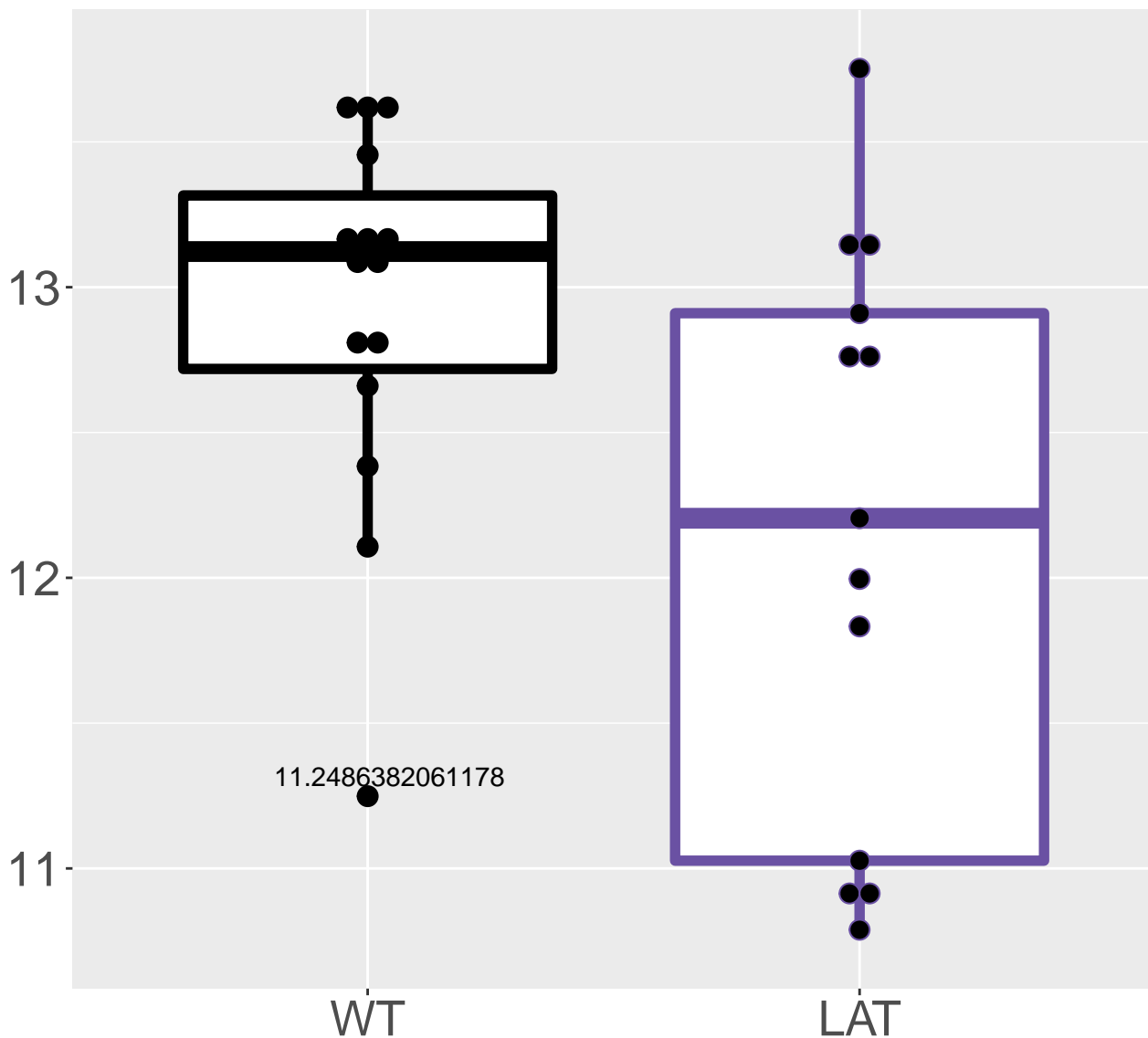


**M159.876T113.33\_17**  
**FDR = 0.028, FC = -0.48**



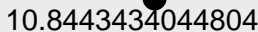
**M462.5909T310.76**

**FDR = 0.028, FC = -0.77**



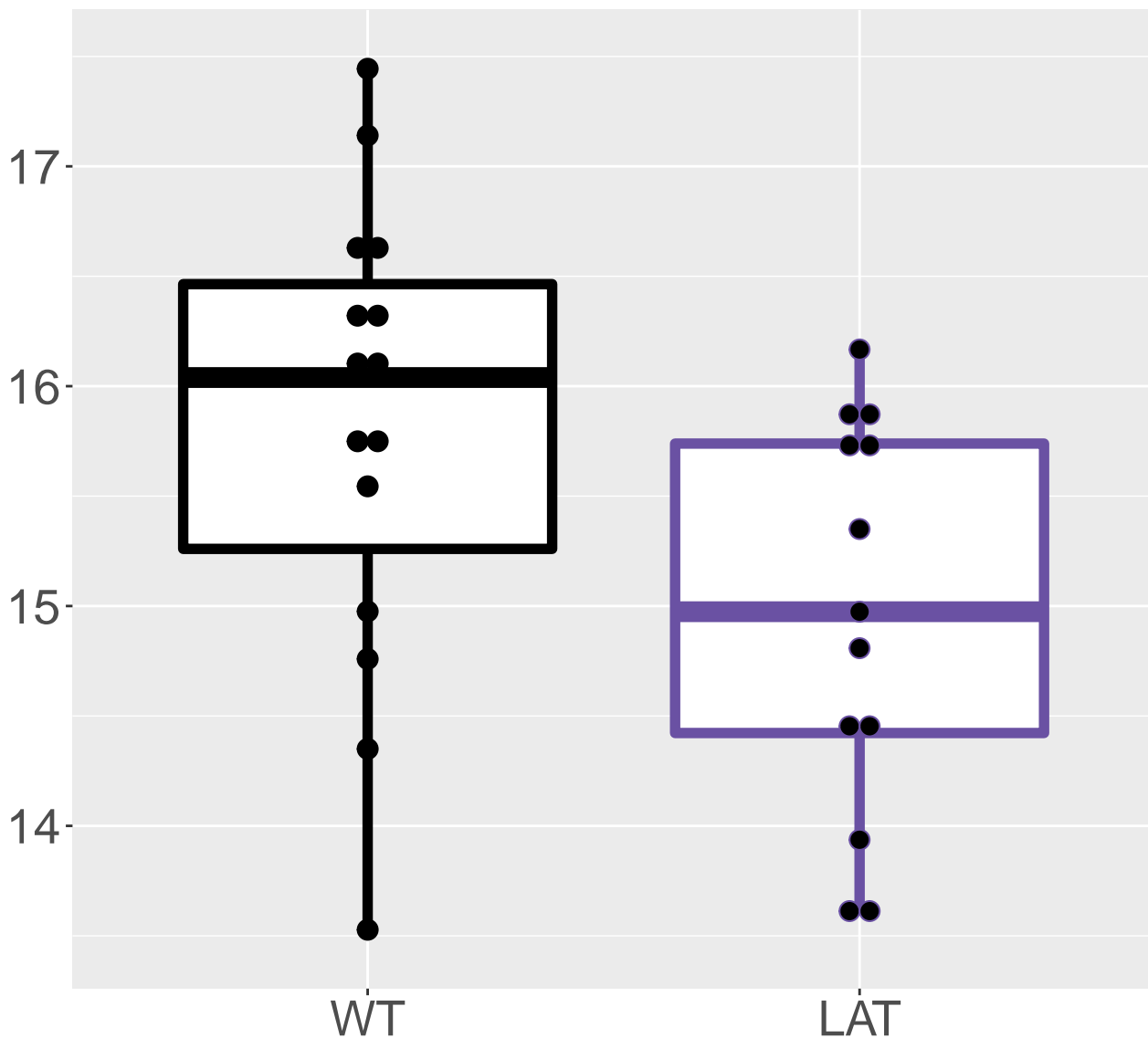


**FDR = 0.028, FC = 0.58**



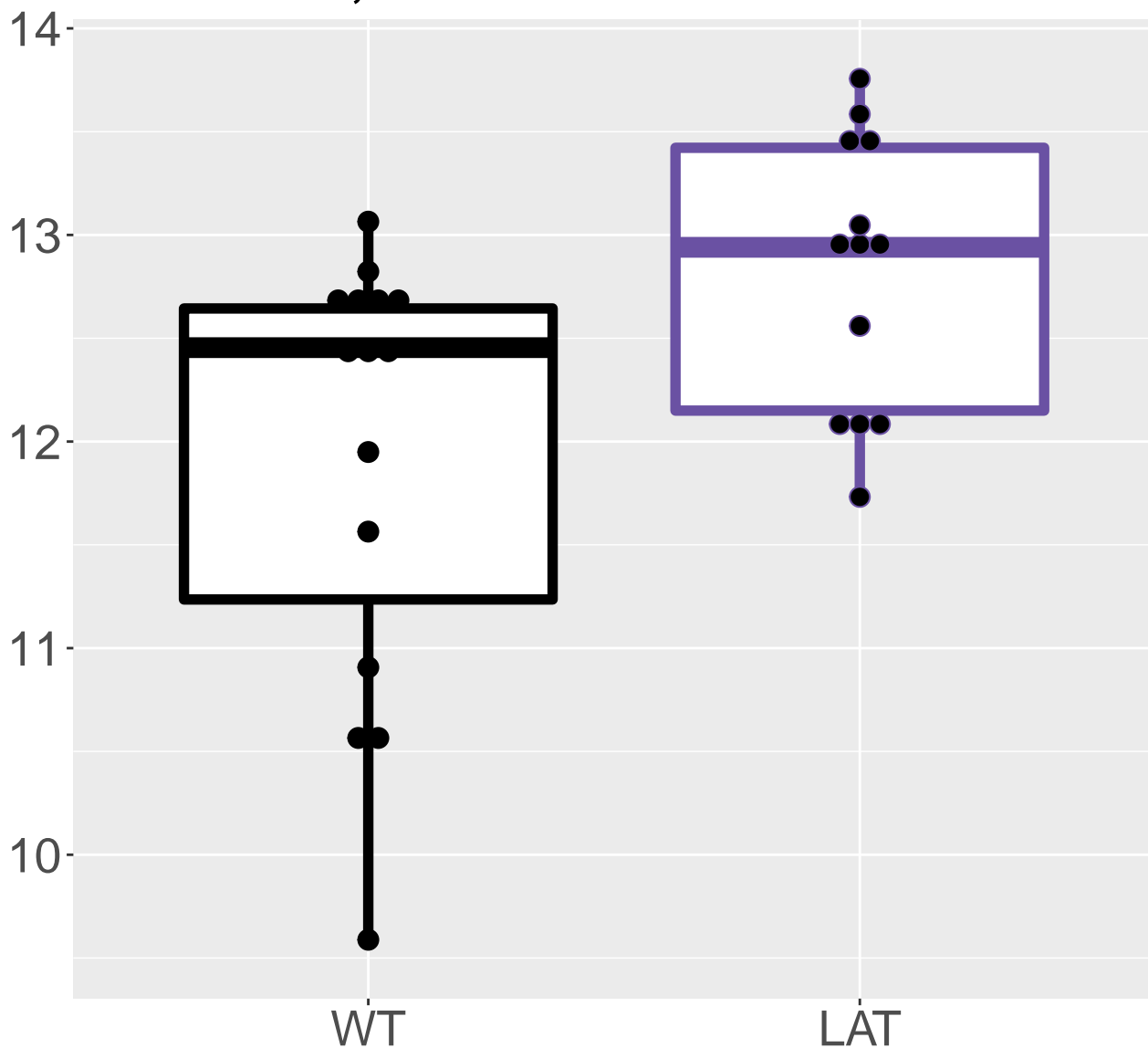
**M623.1177T430.43**

**FDR = 0.028, FC = -0.86**



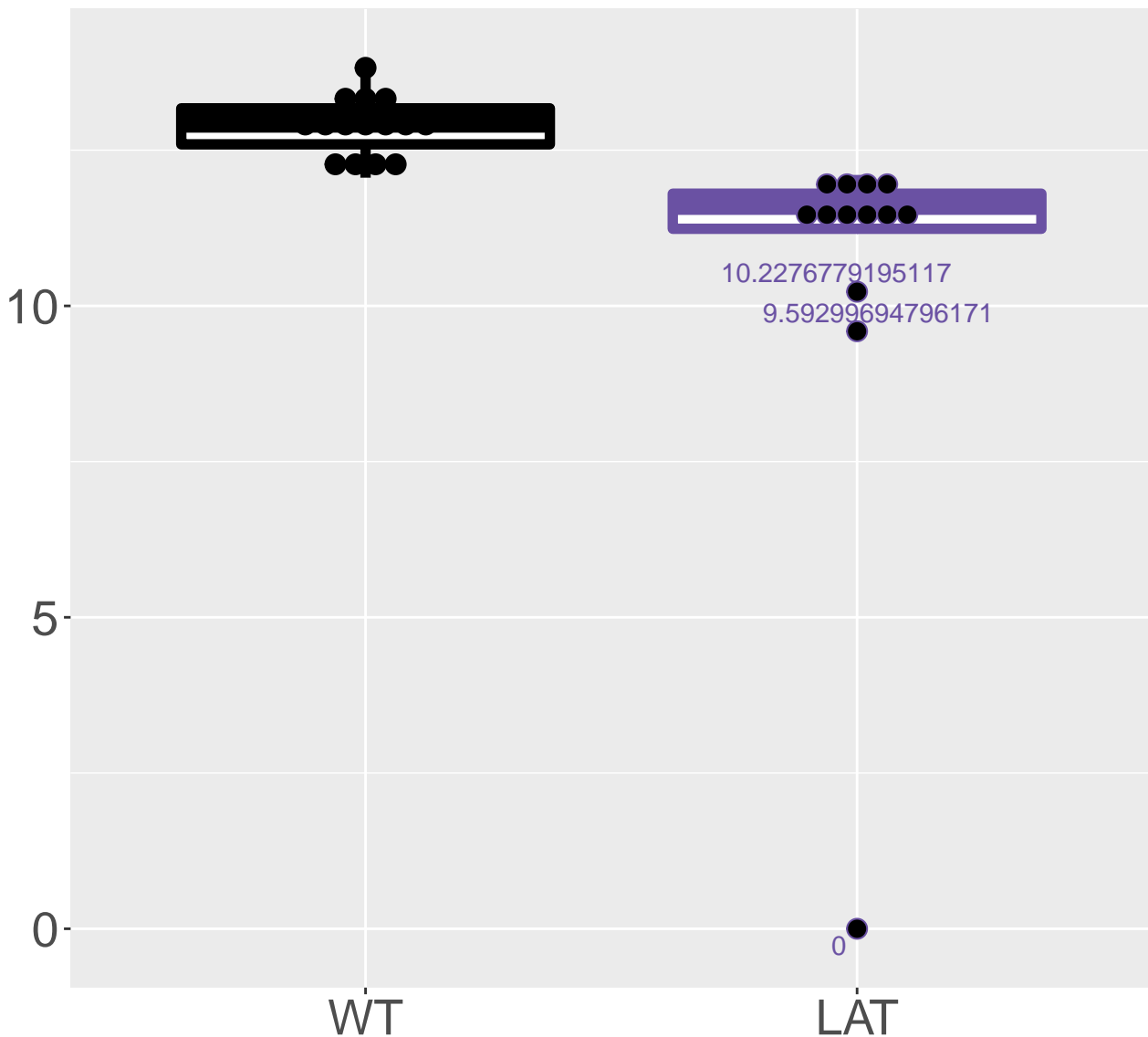
**M593.3001T139.48**

**FDR = 0.028, FC = 0.89**

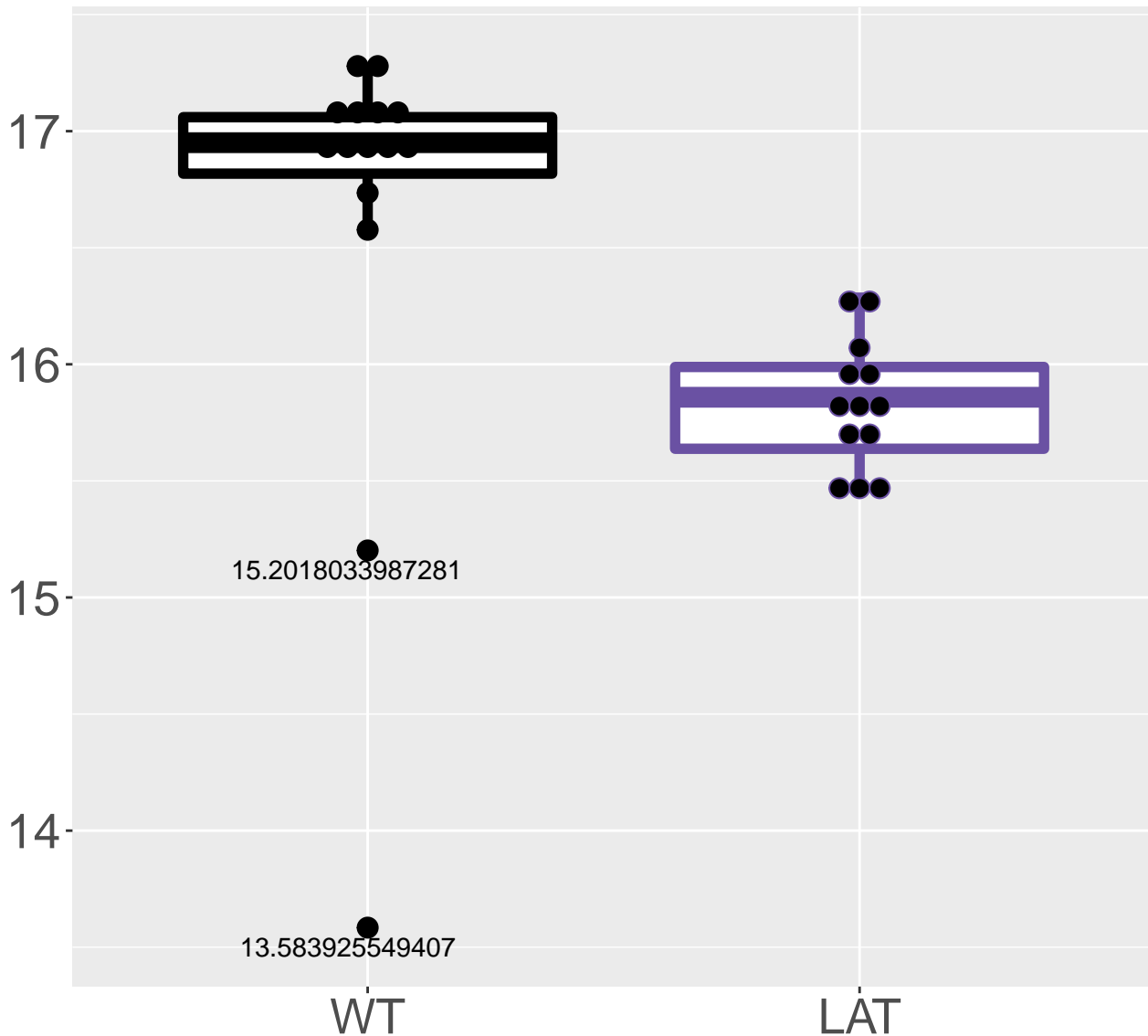


**M415.8931T225.75**

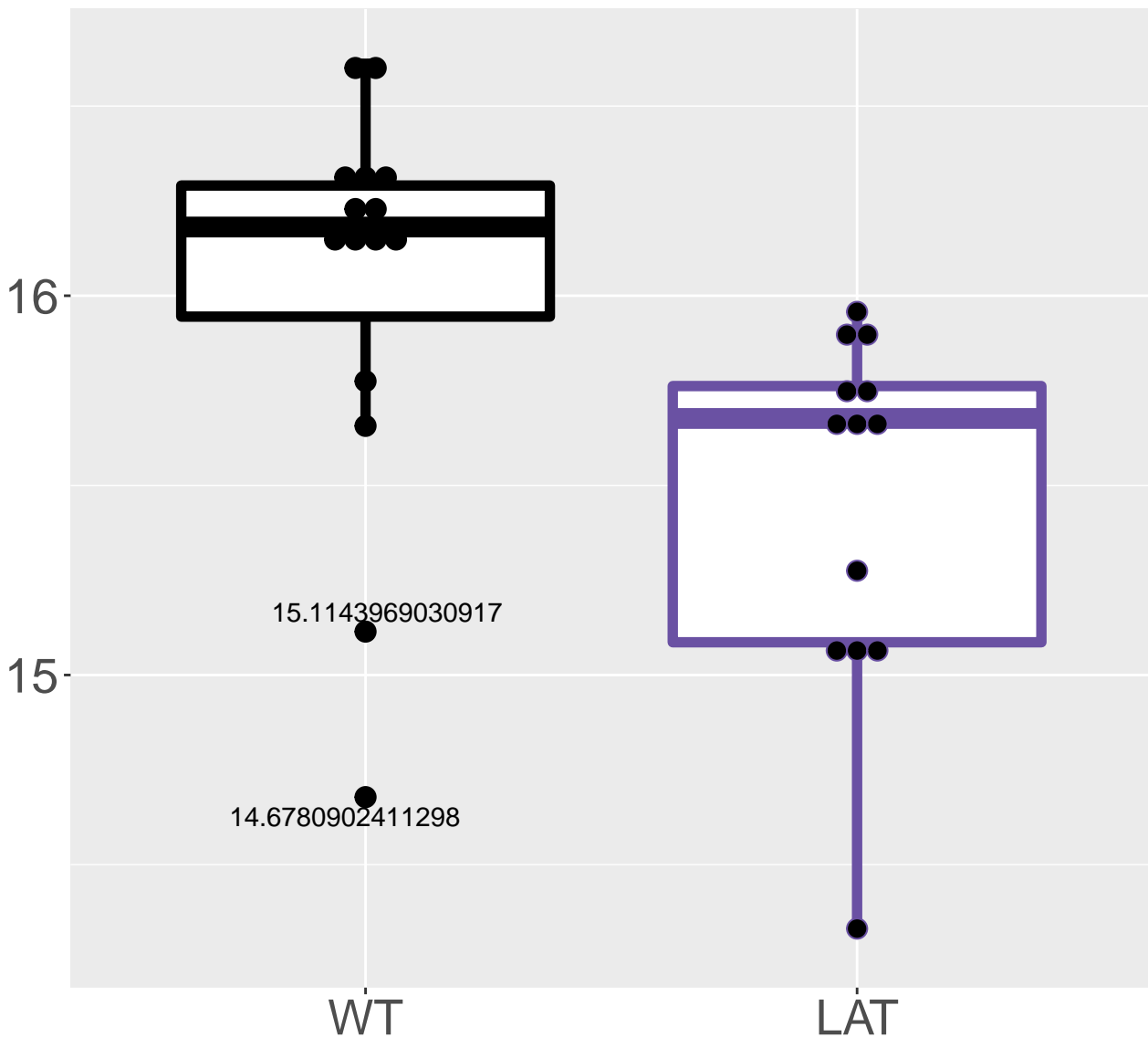
**FDR = 0.028, FC = -2.4**



**M922.6171T377.59\_2**  
**FDR = 0.028, FC = -0.81**

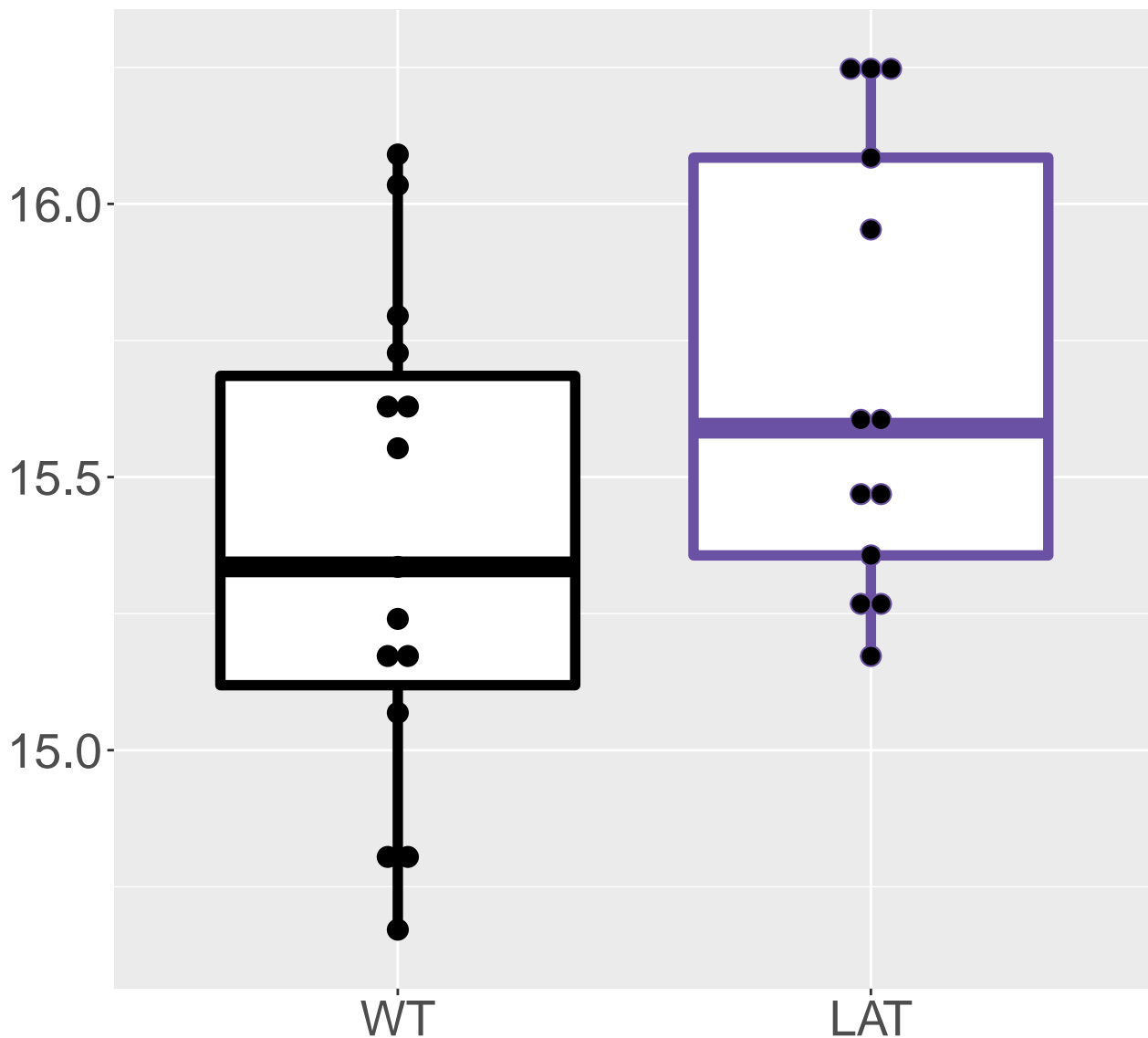


**M161.0638T113.19\_30**  
**FDR = 0.029, FC = -0.56**

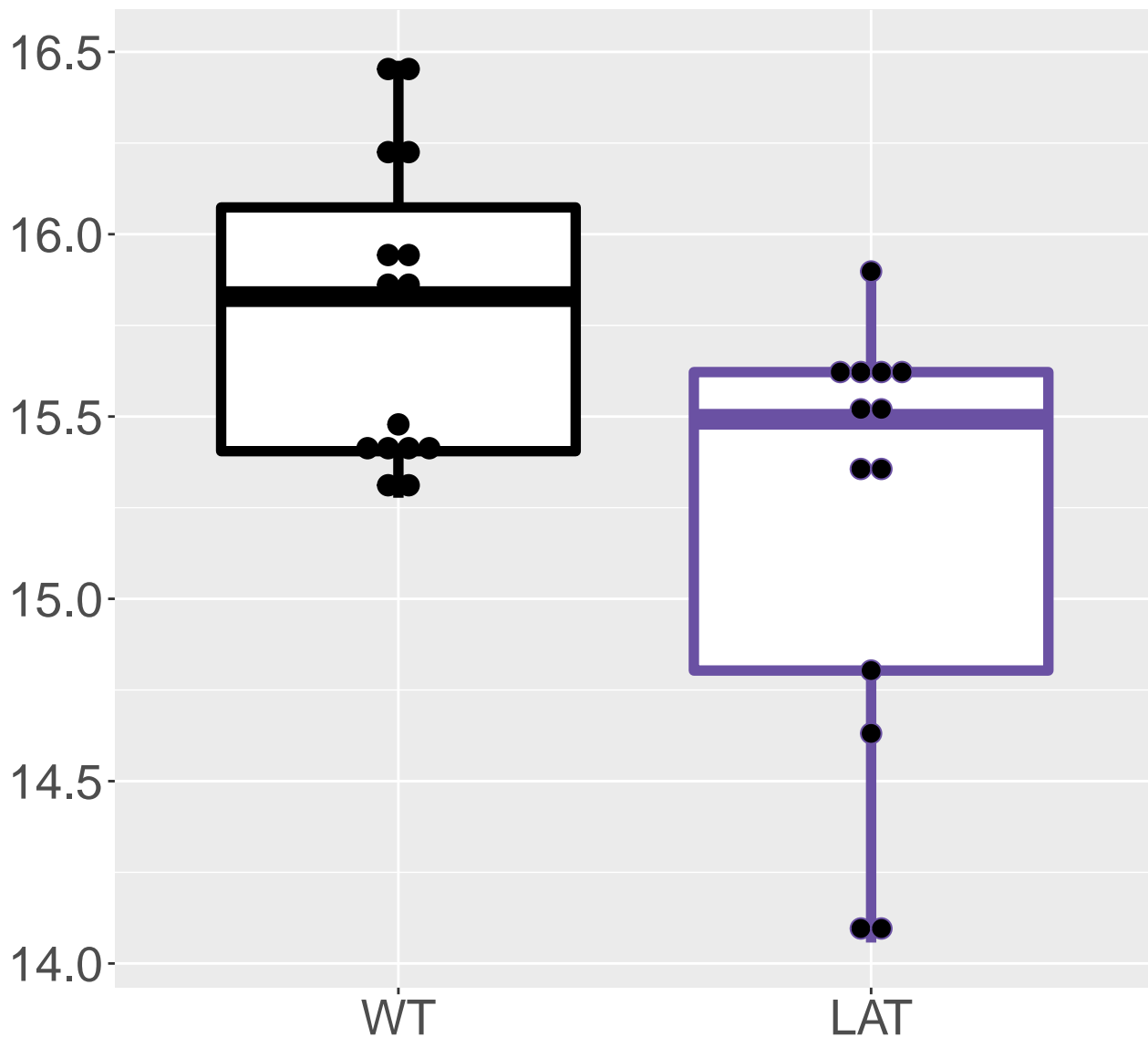


**M502.2174T138.82**

**FDR = 0.029, FC = 0.31, sex\*\***

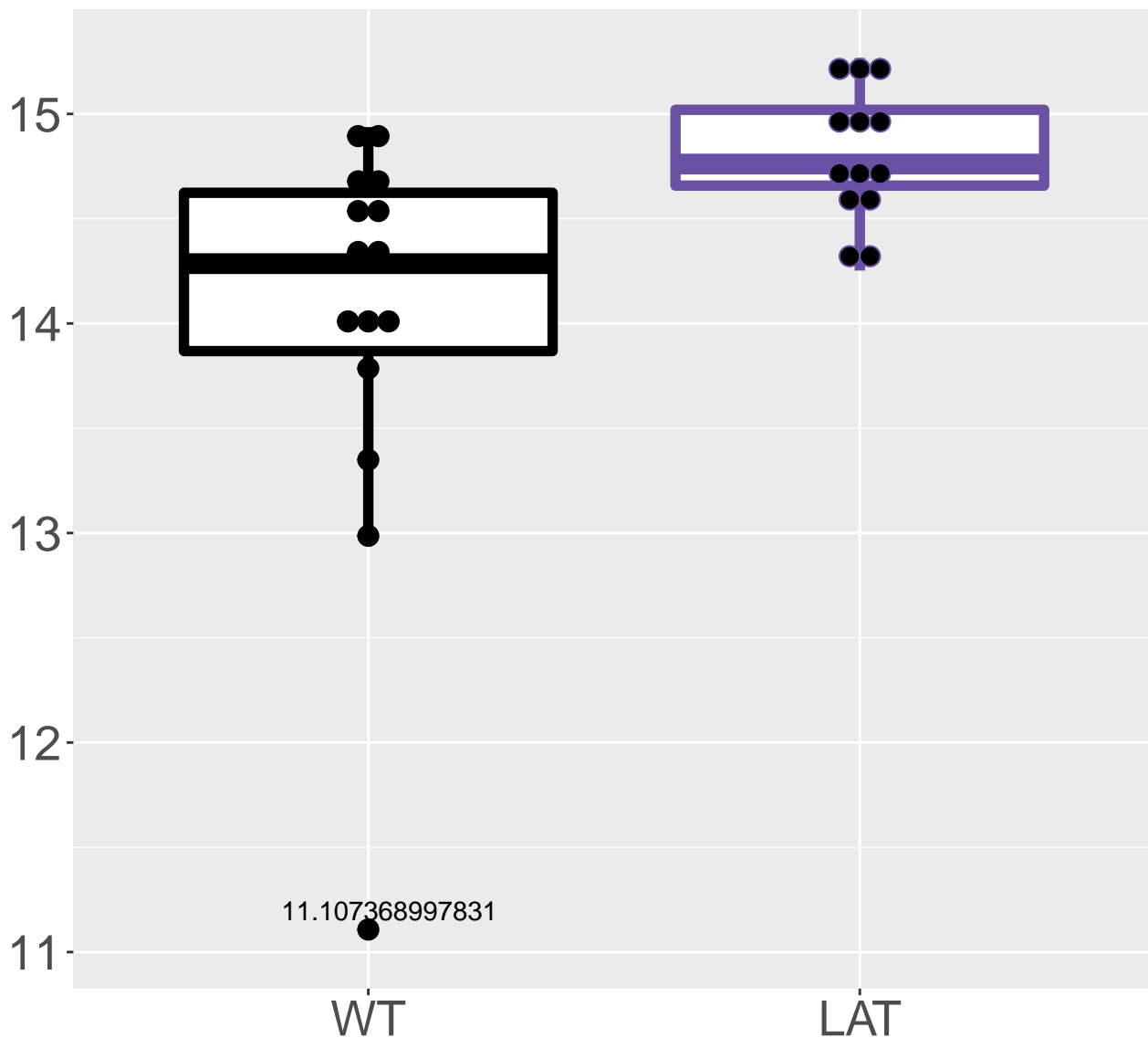


**M160.112T113.17\_30**  
**FDR = 0.029, FC = -0.57**



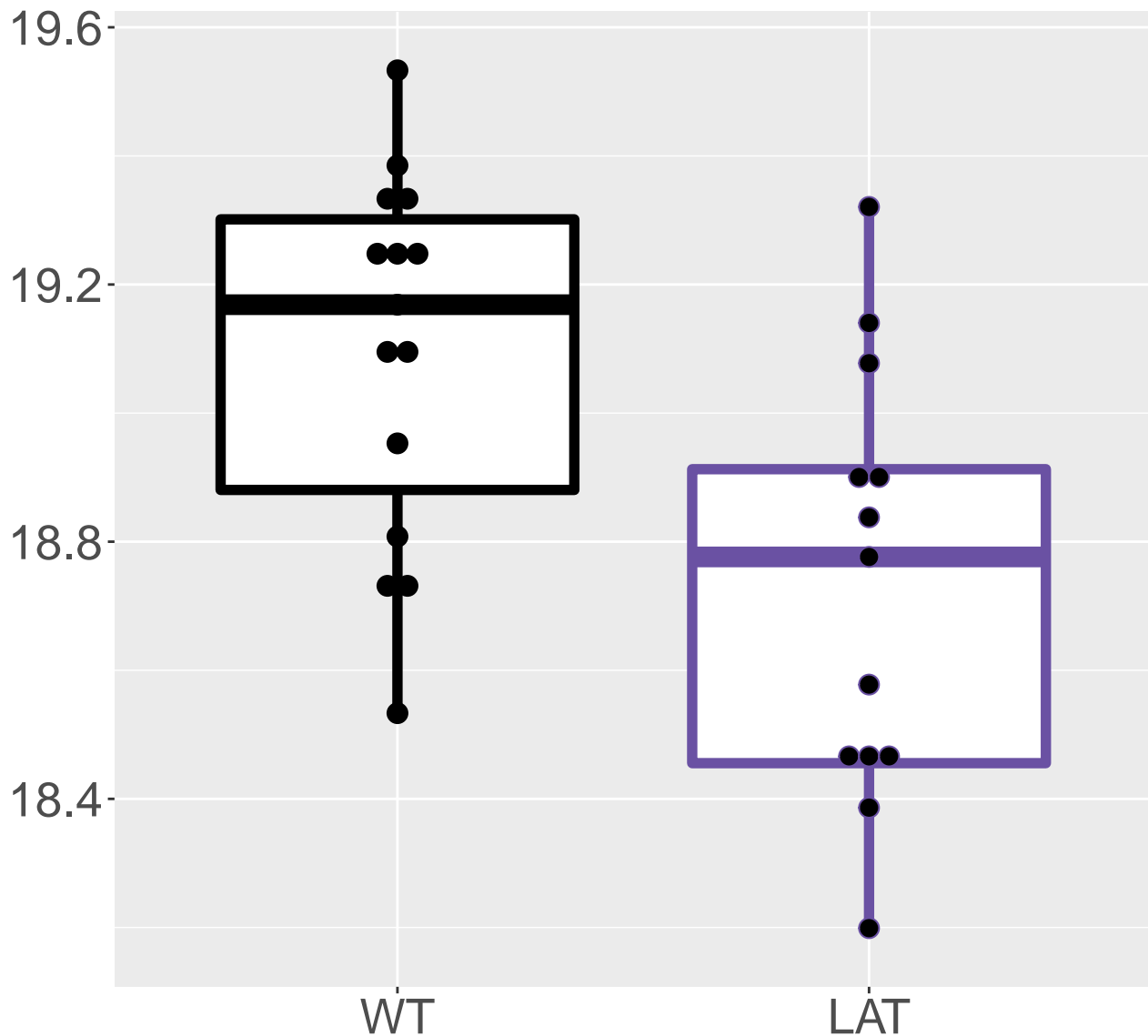


**M361.1972T115.21**  
**FDR = 0.029, FC = 0.8**



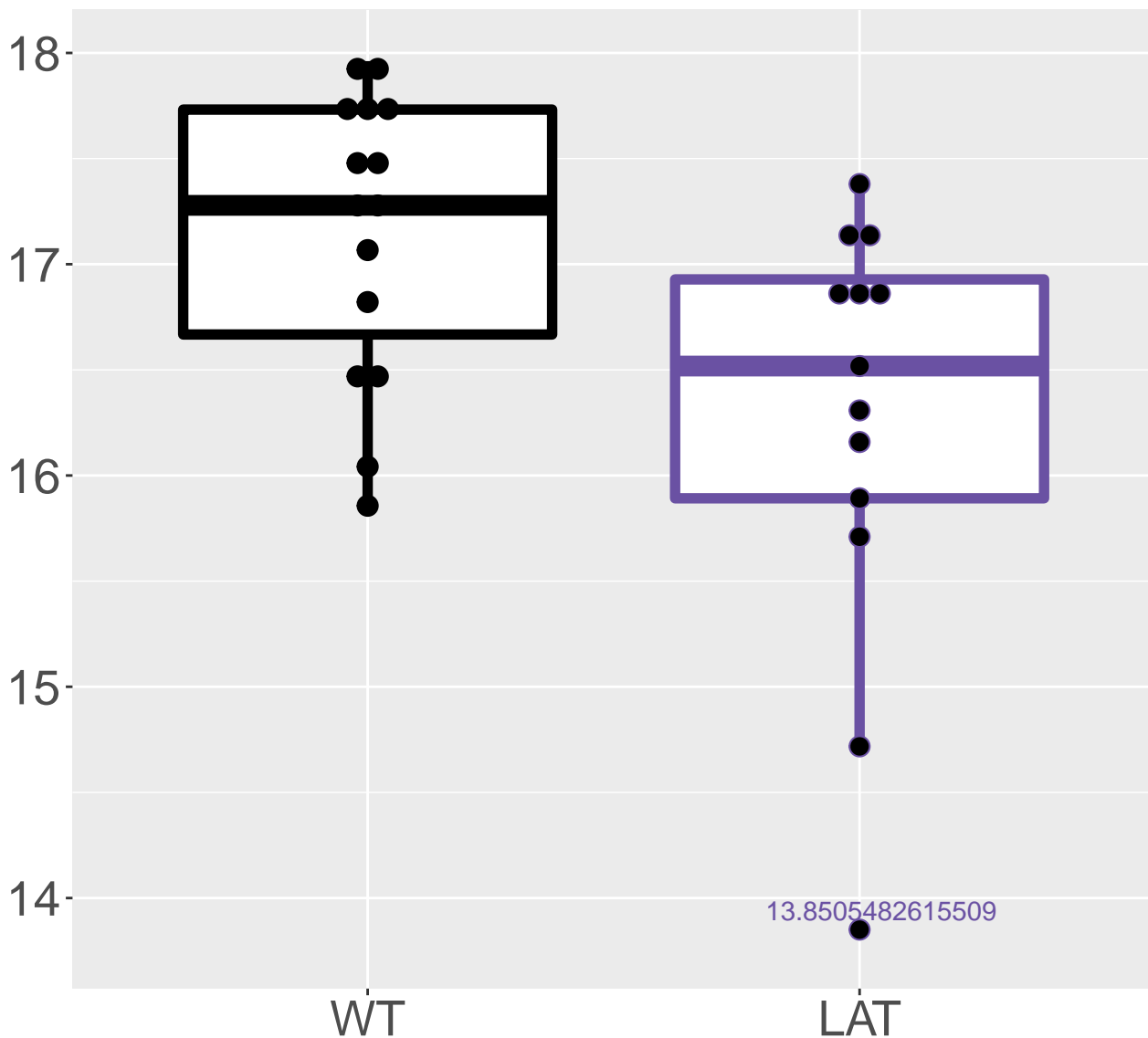
**M562.2378T72.75**

**FDR = 0.029, FC = -0.37**

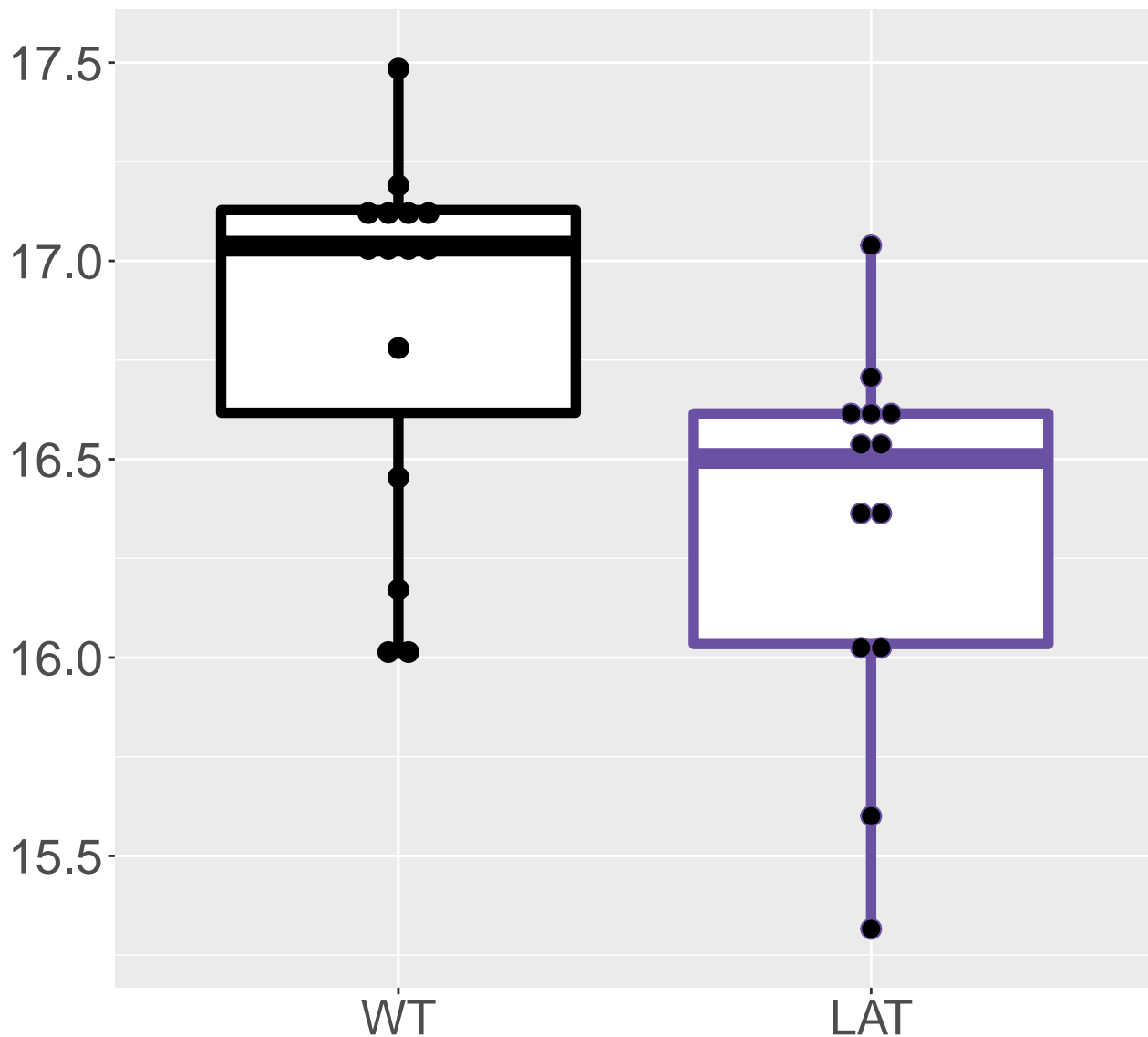


**M131.2383T75.56\_6**

**FDR = 0.029, FC = -0.89**

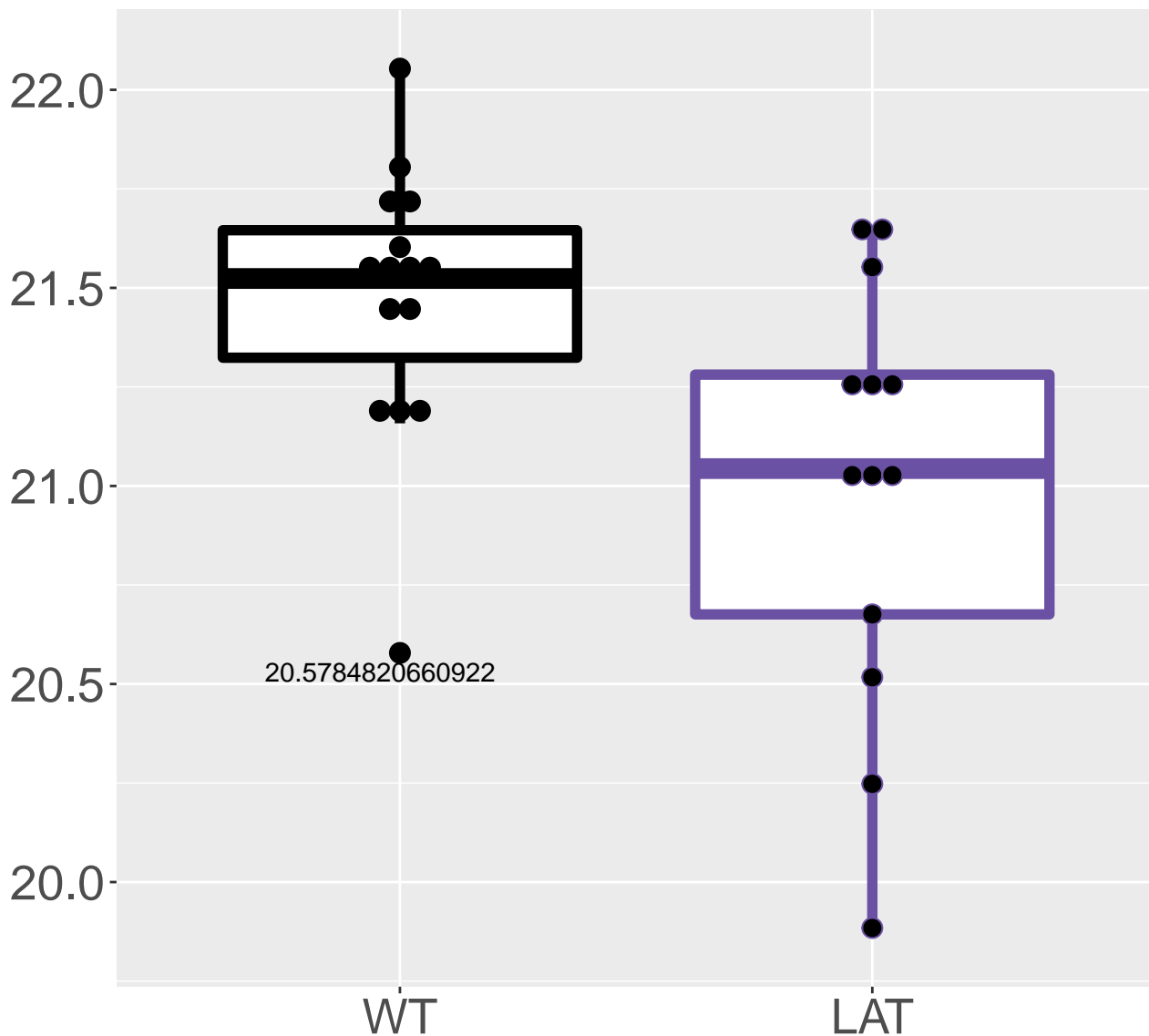


**M129.0282T75.47\_29**  
**FDR = 0.029, FC = -0.51**

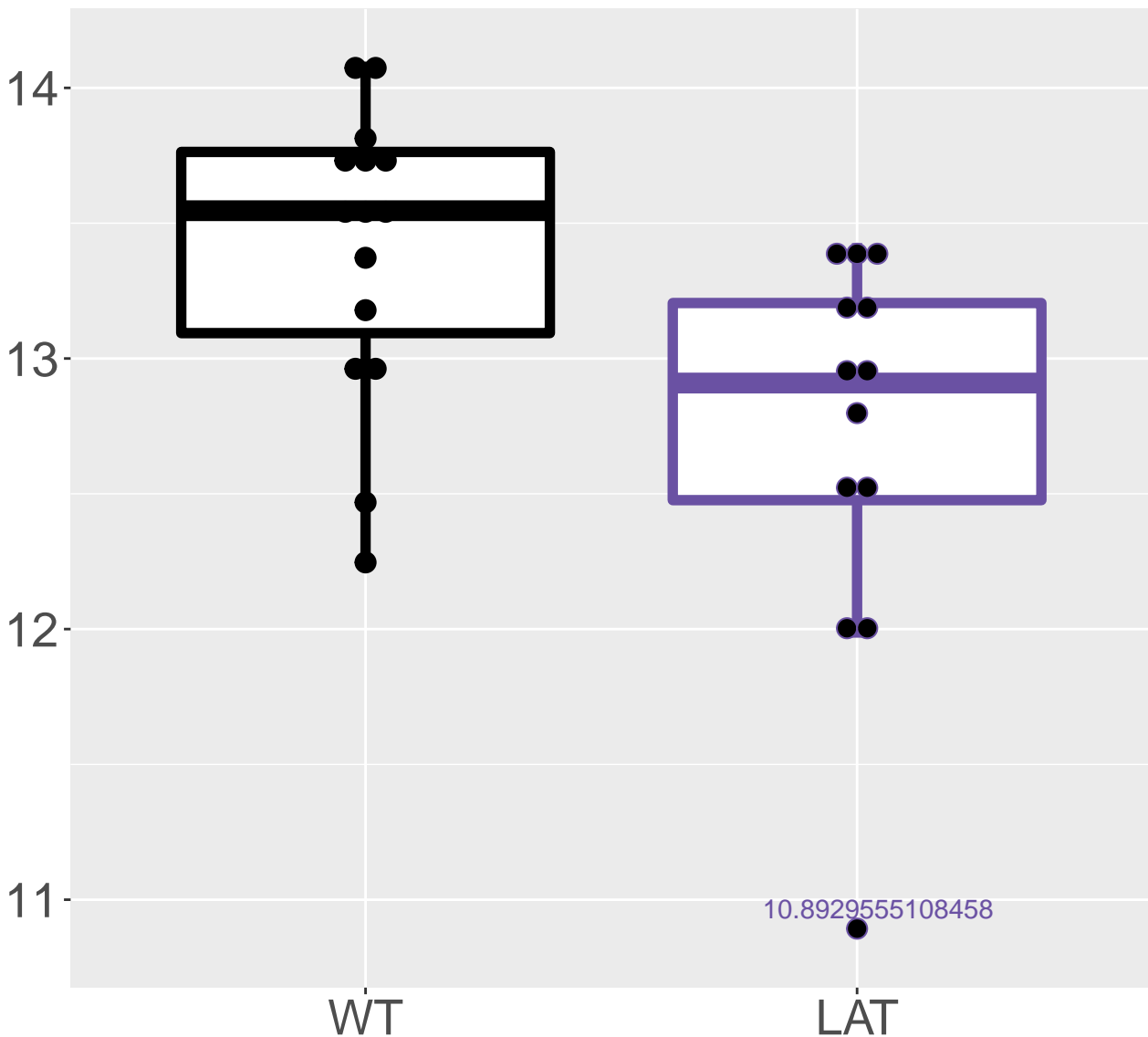


**M417.248T177.87**

**FDR = 0.029, FC = -0.48**

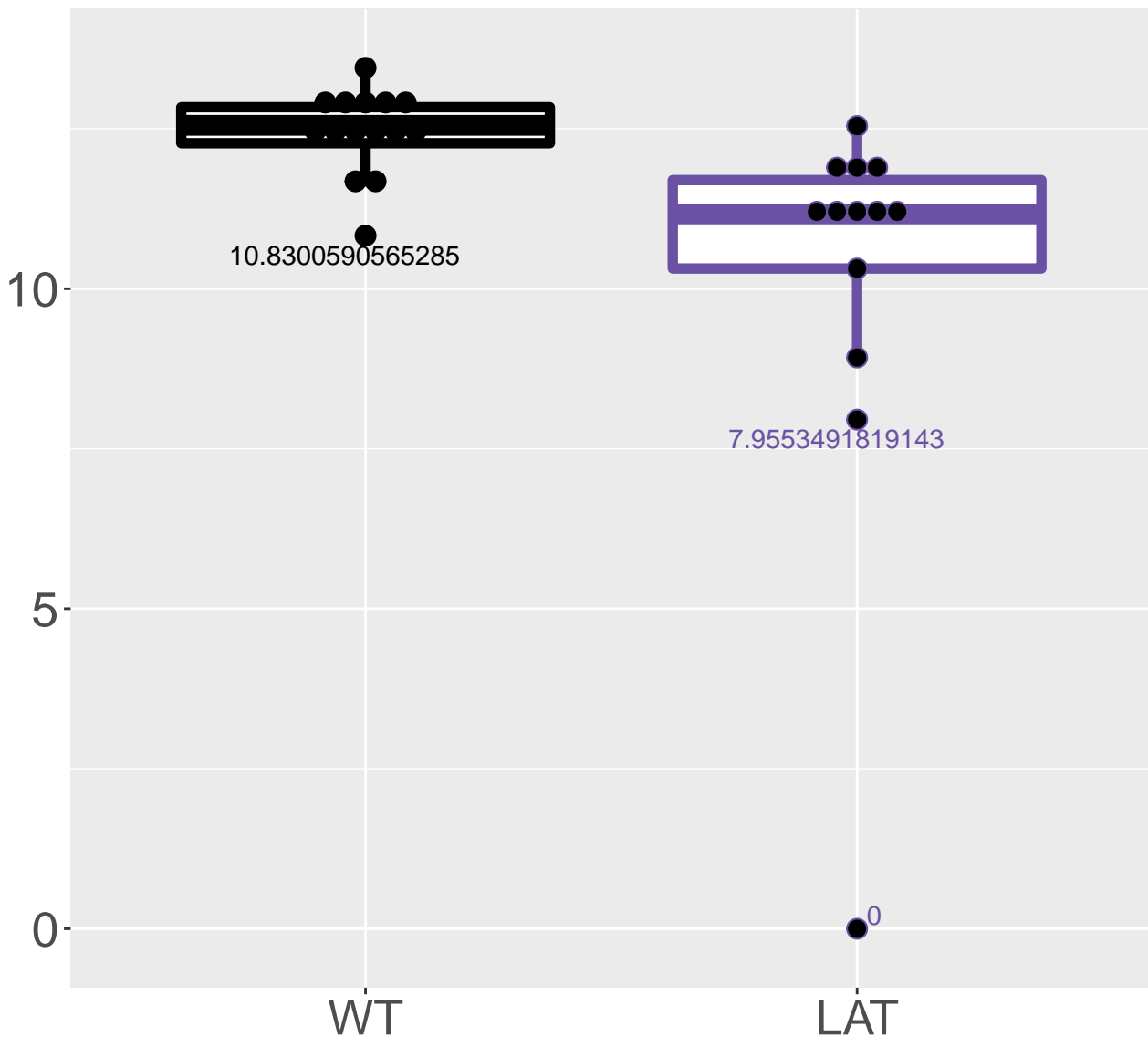


**M410.5778T275.27**  
**FDR = 0.029, FC = -0.7**



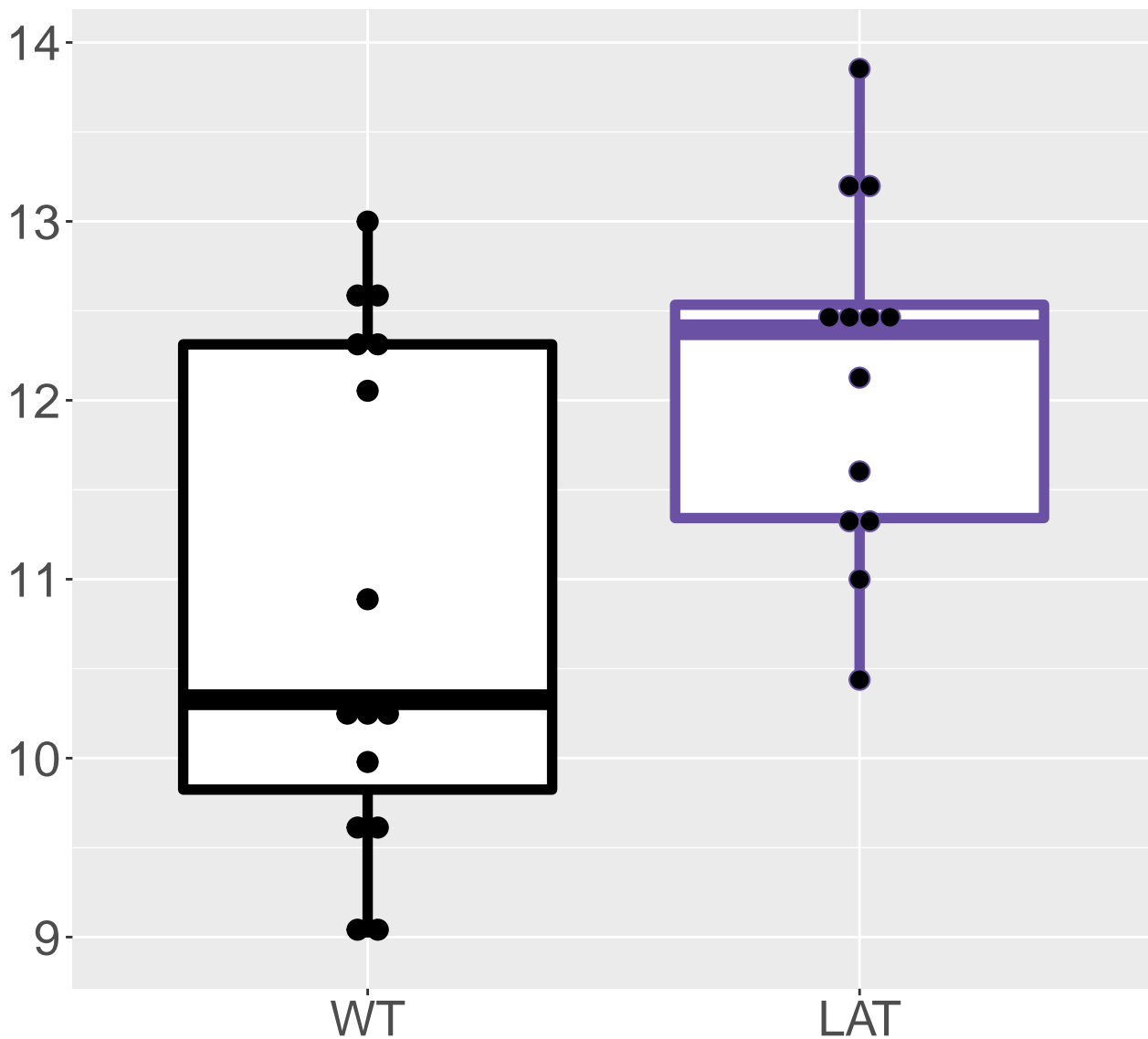
**M535.0513T307.53**

**FDR = 0.029, FC = -2.4**



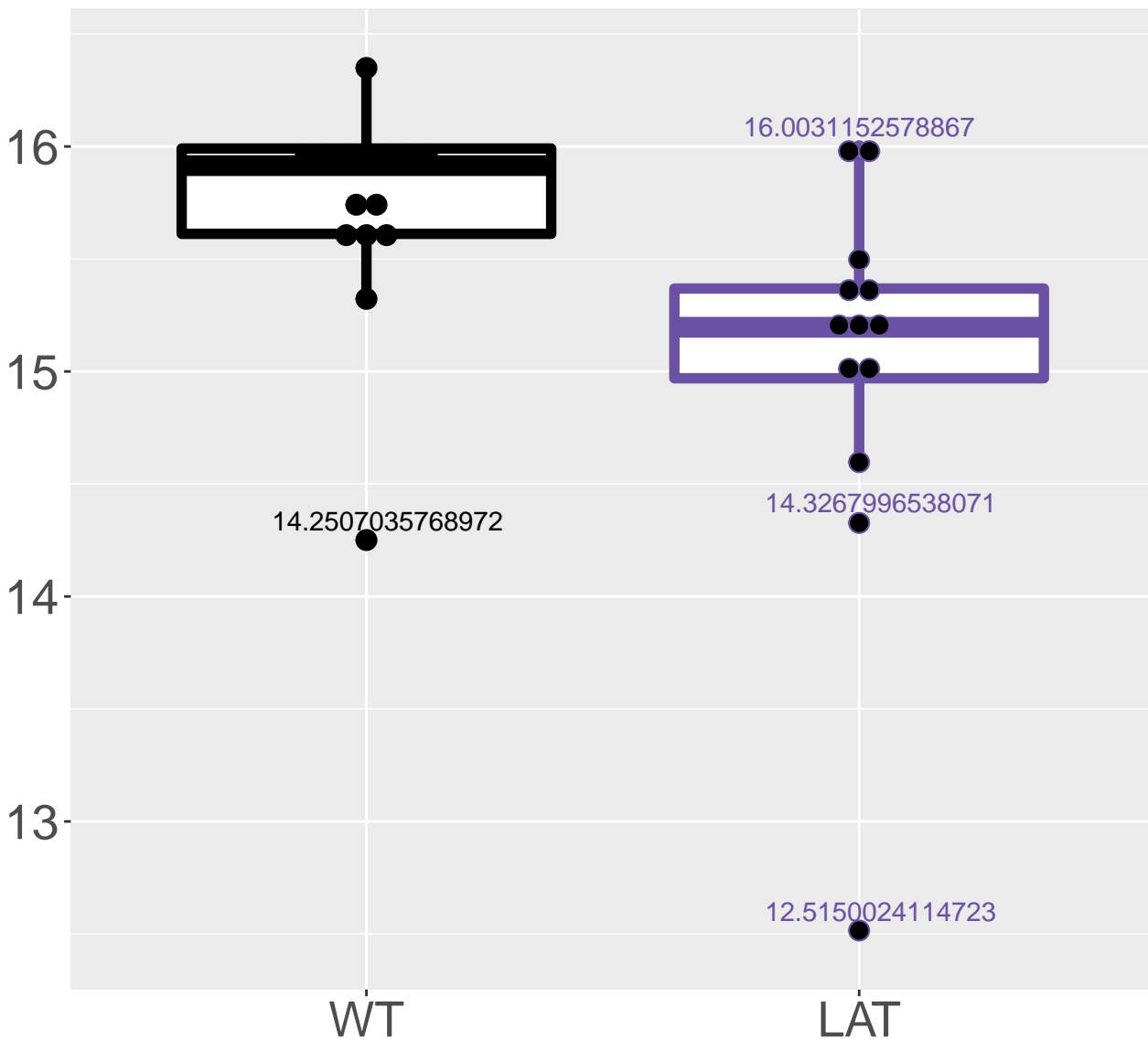
**M266.1206T209.39**

**FDR = 0.029, FC = 1.2**



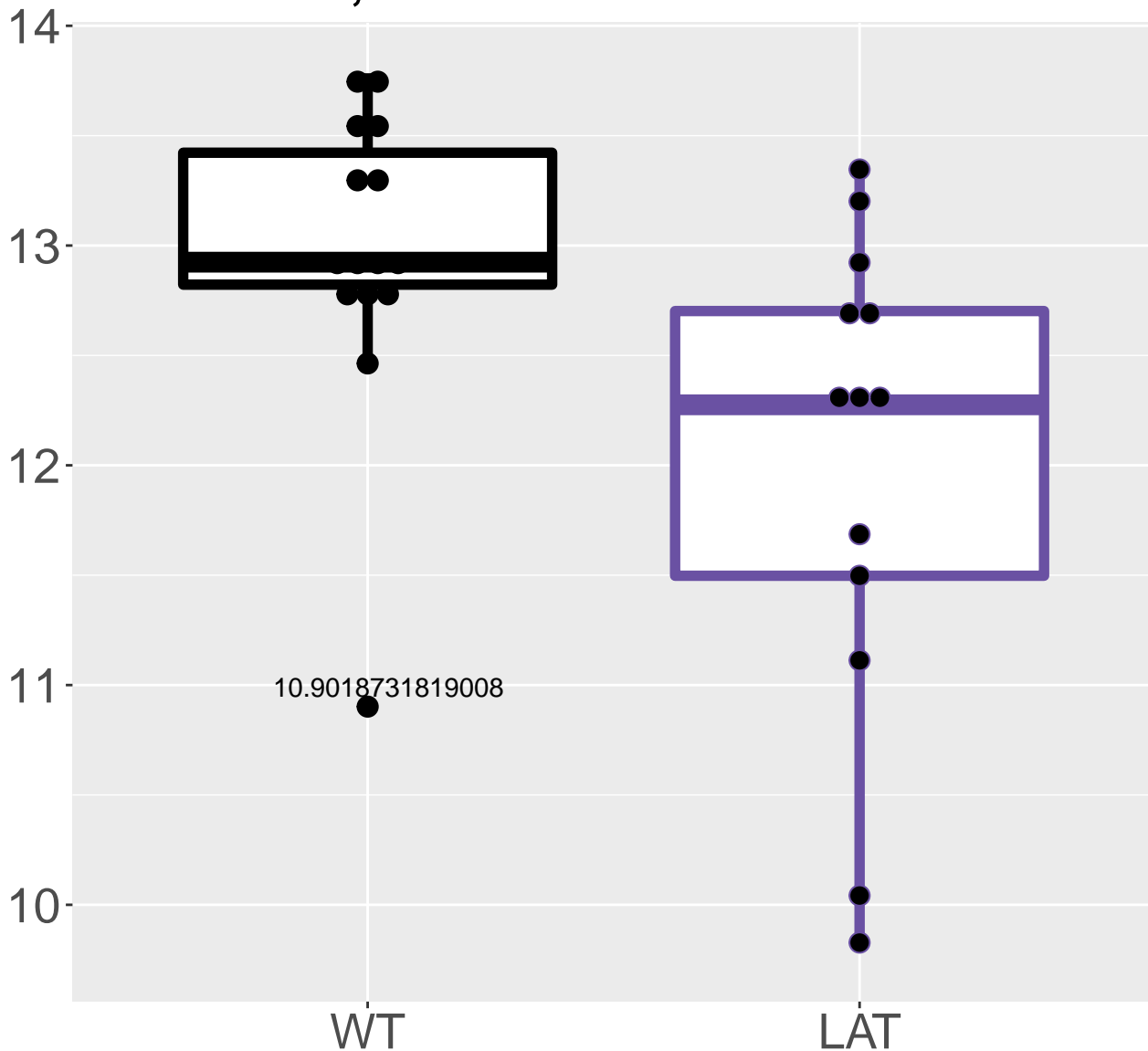


**M159.2679T113.11\_34**  
**FDR = 0.029, FC = -0.71**



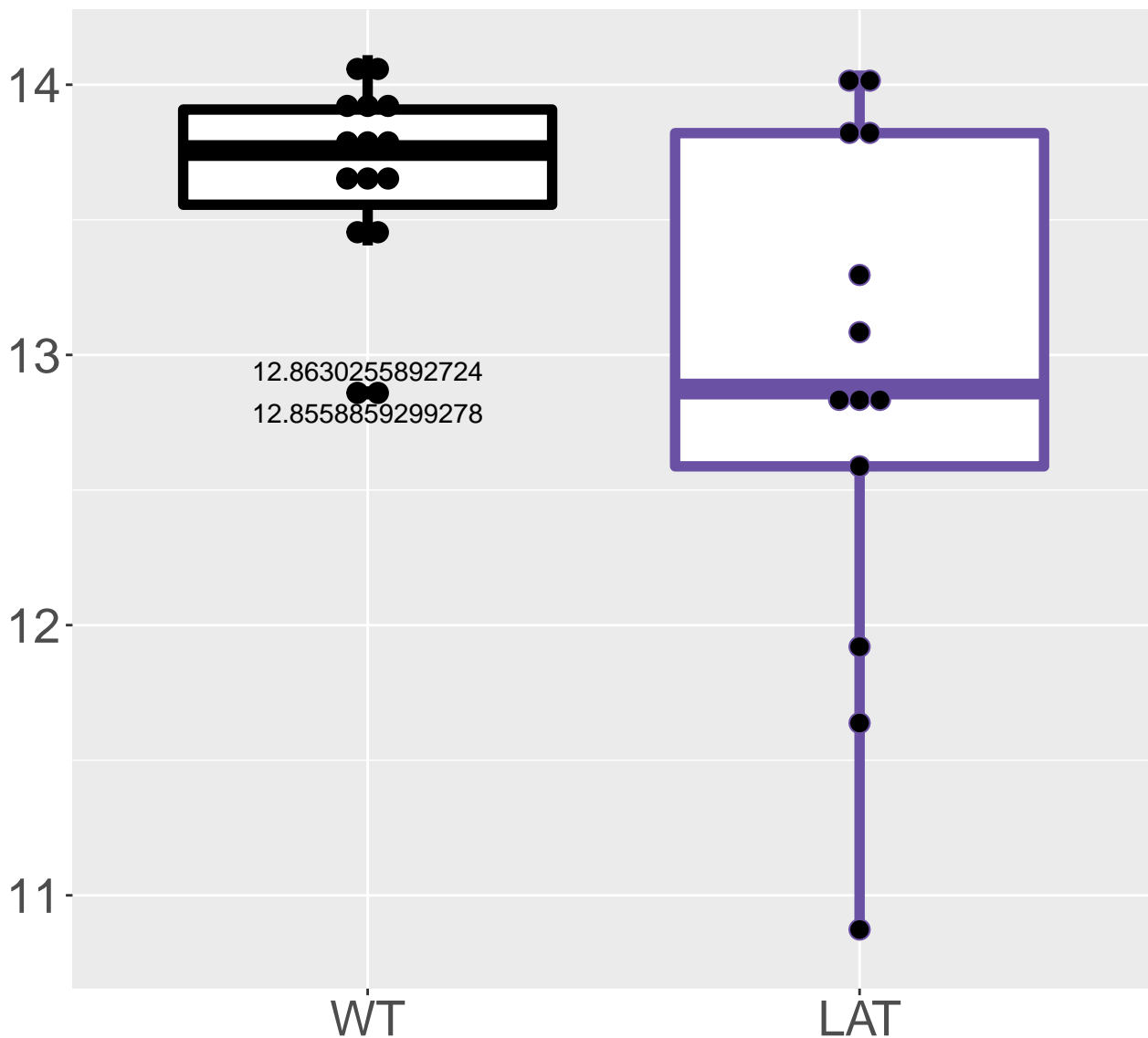
**M294.6907T100.87**

**FDR = 0.029, FC = -0.98**

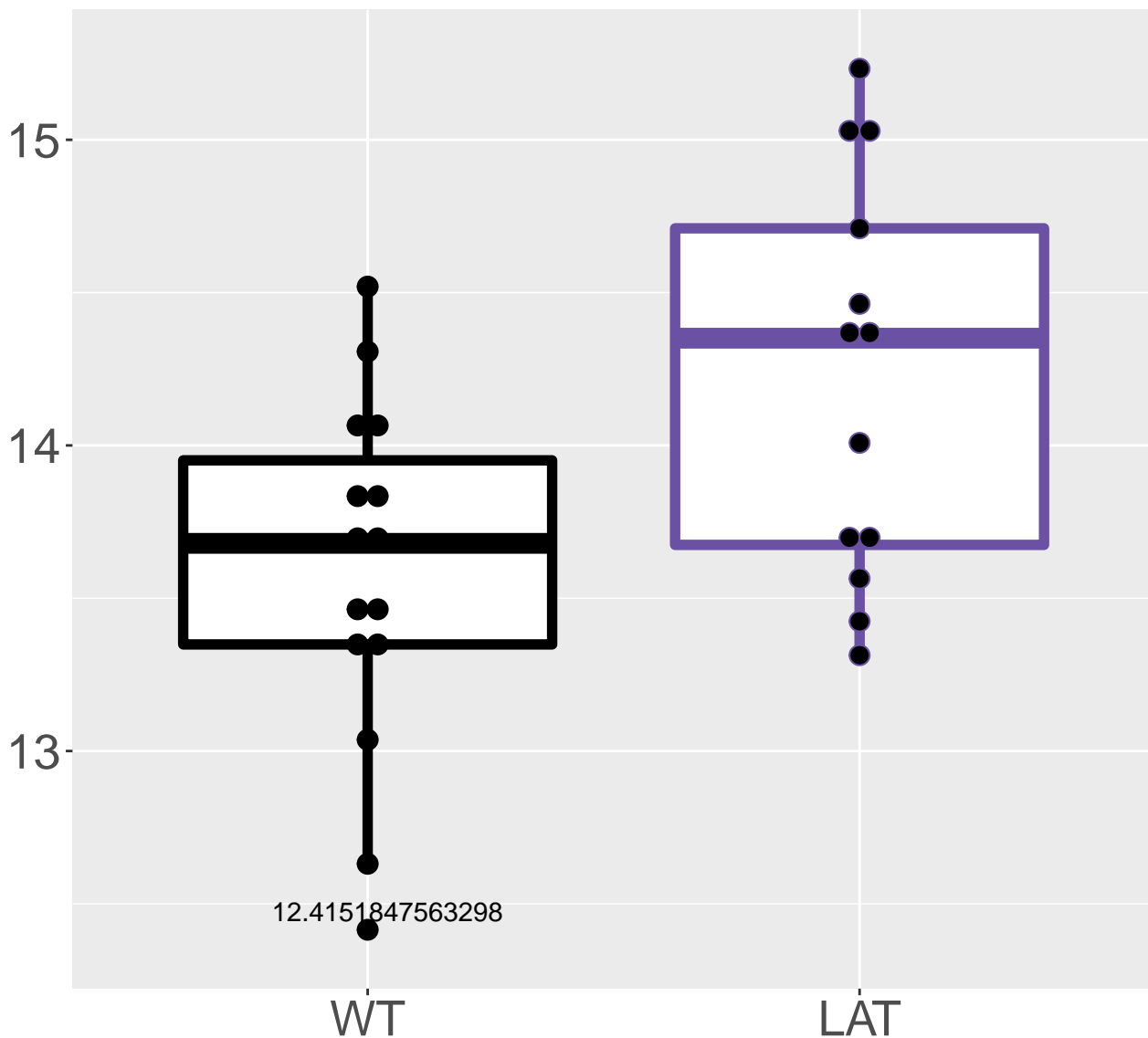


**M574.5592T328.81**

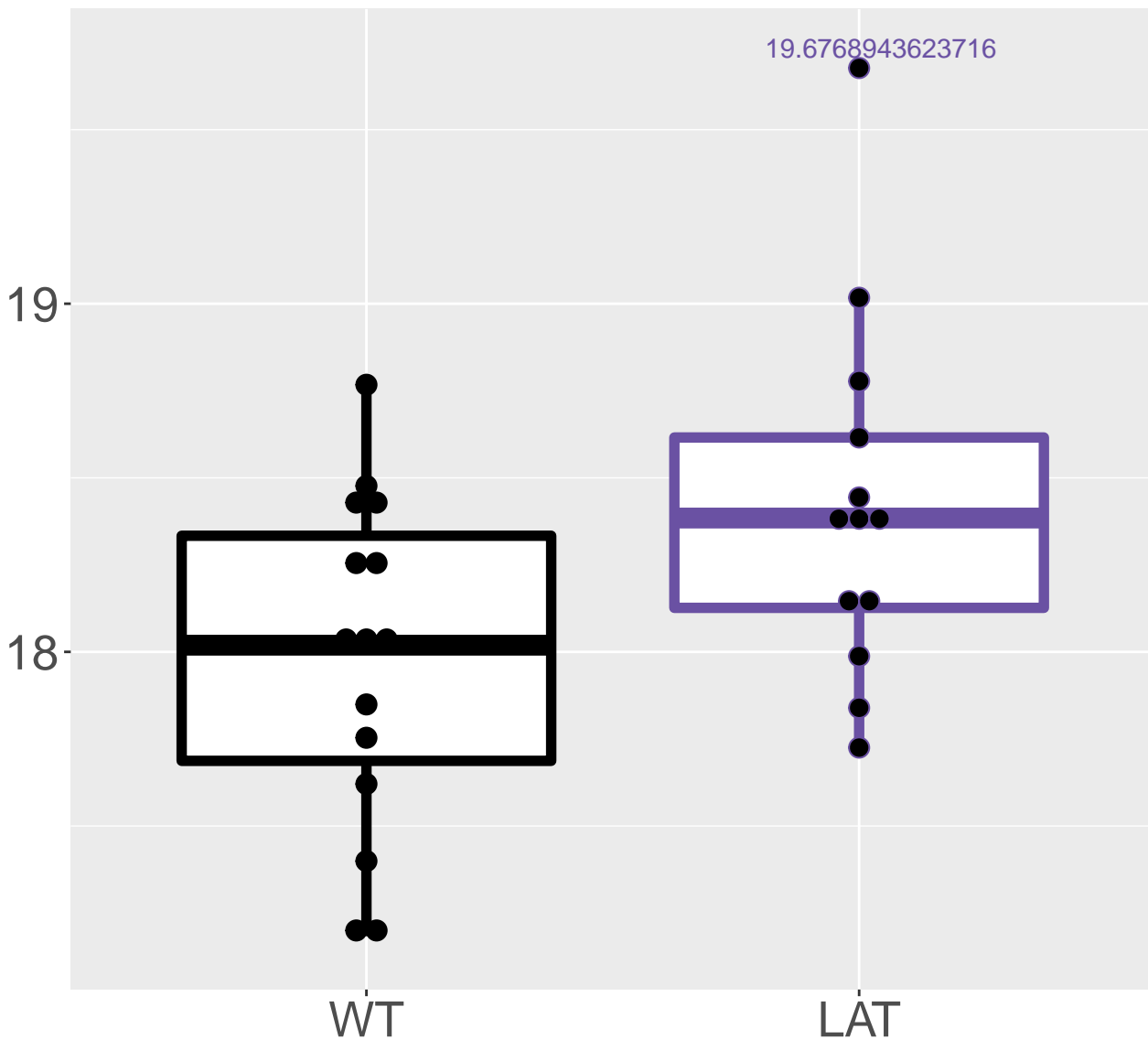
**FDR = 0.029, FC = -0.77**



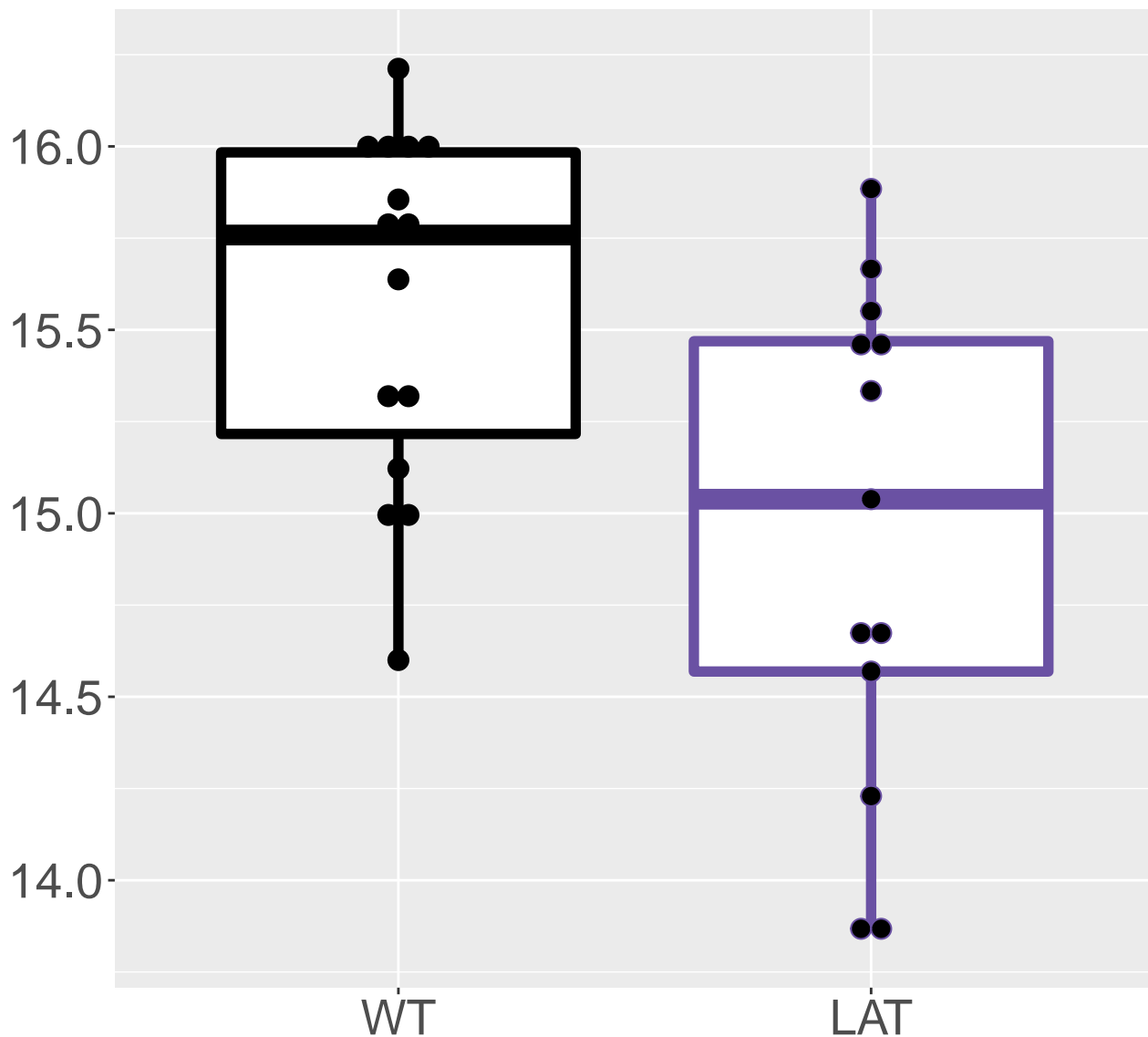
**M727.9889T311.16\_2**  
**FDR = 0.029, FC = 0.64**



**M539.2856T487.48**  
**FDR = 0.029, FC = 0.44**

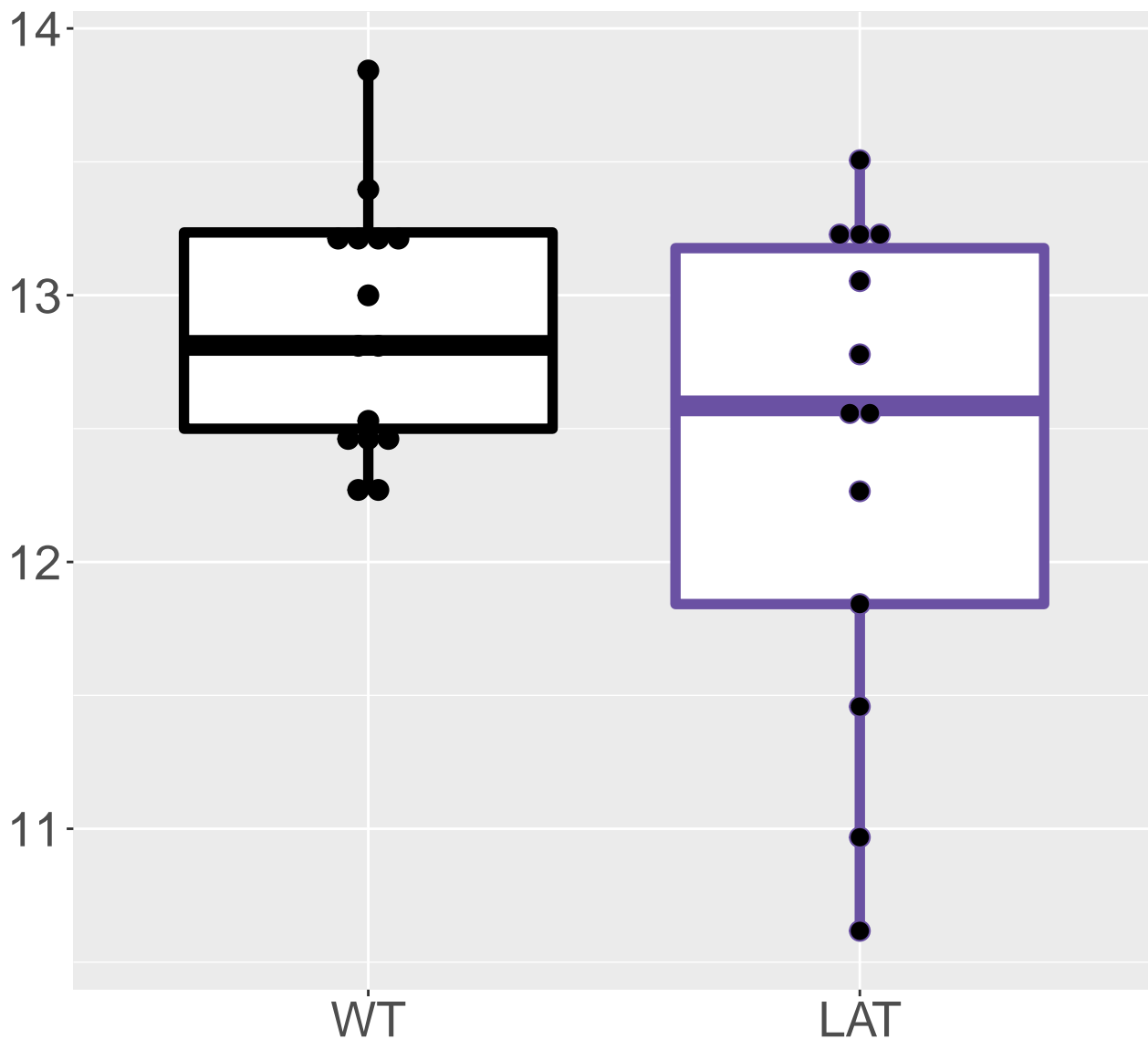


**M158.0326T113.03\_17**  
**FDR = 0.029, FC = -0.63**



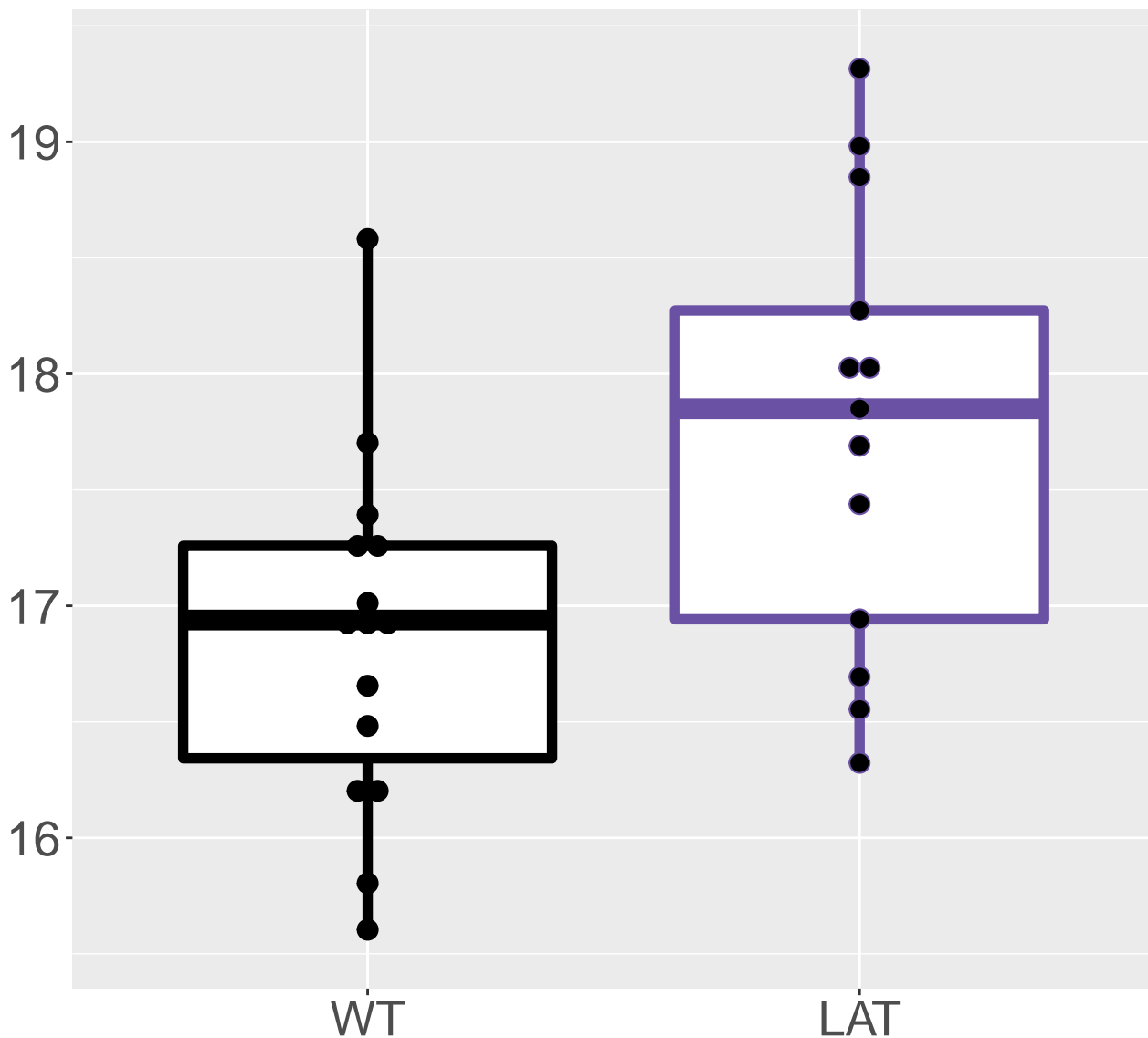
**M261.0514T332.3**

**FDR = 0.029, FC = -0.47, sex\*\*\***



**M239.9676T39.95**

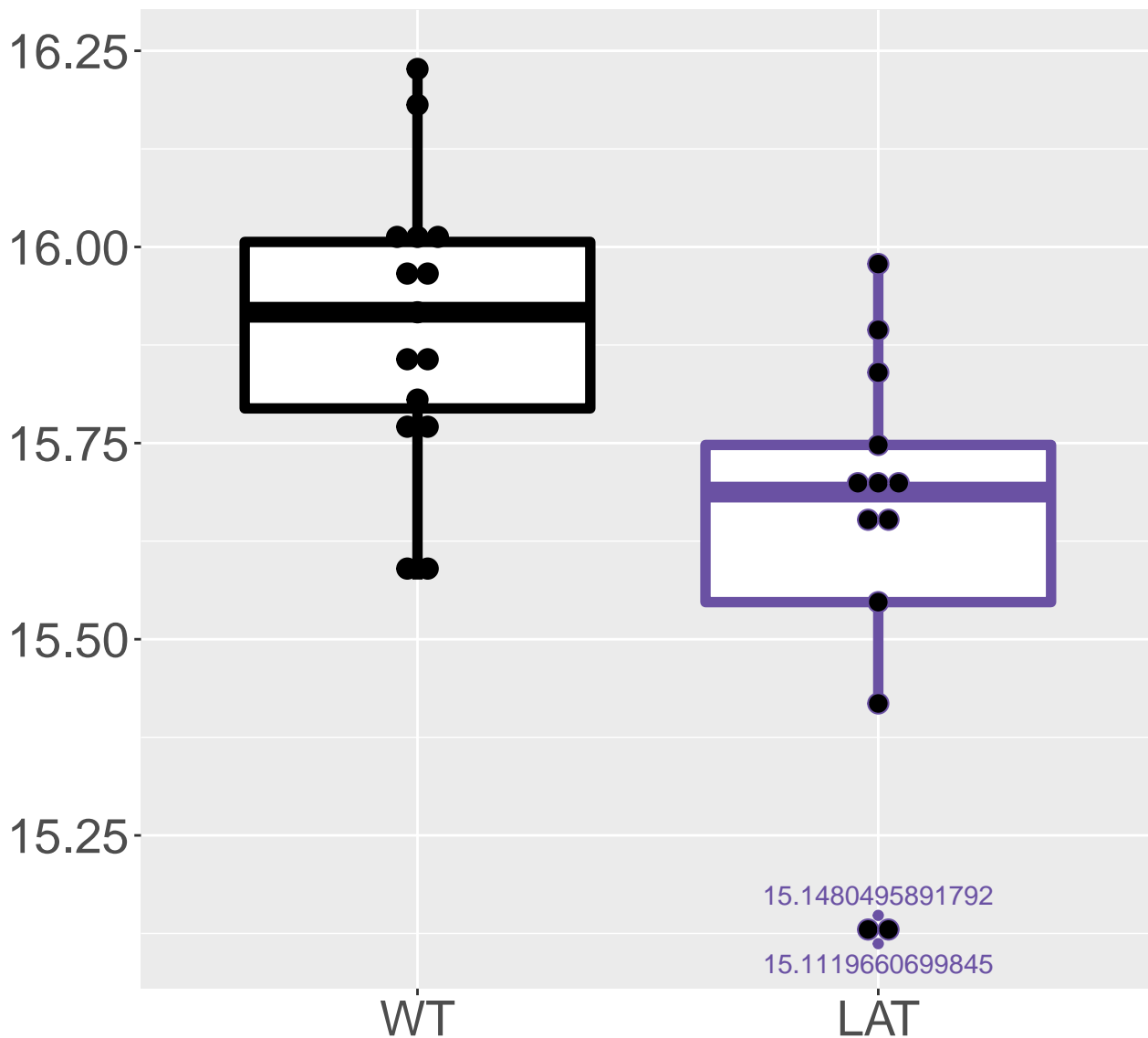
**FDR = 0.029, FC = 0.9**



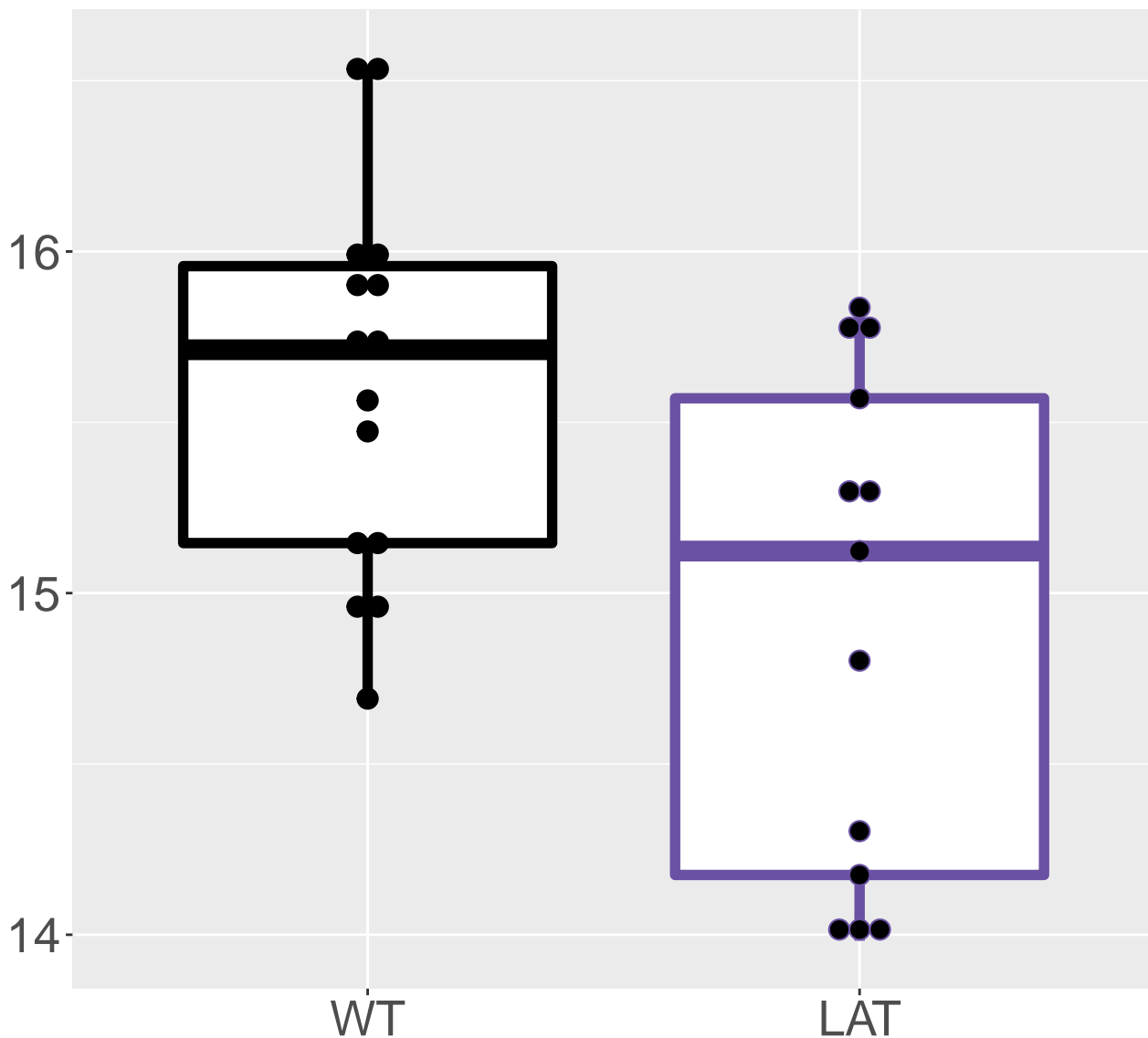


**M705.8078T371.62\_2**

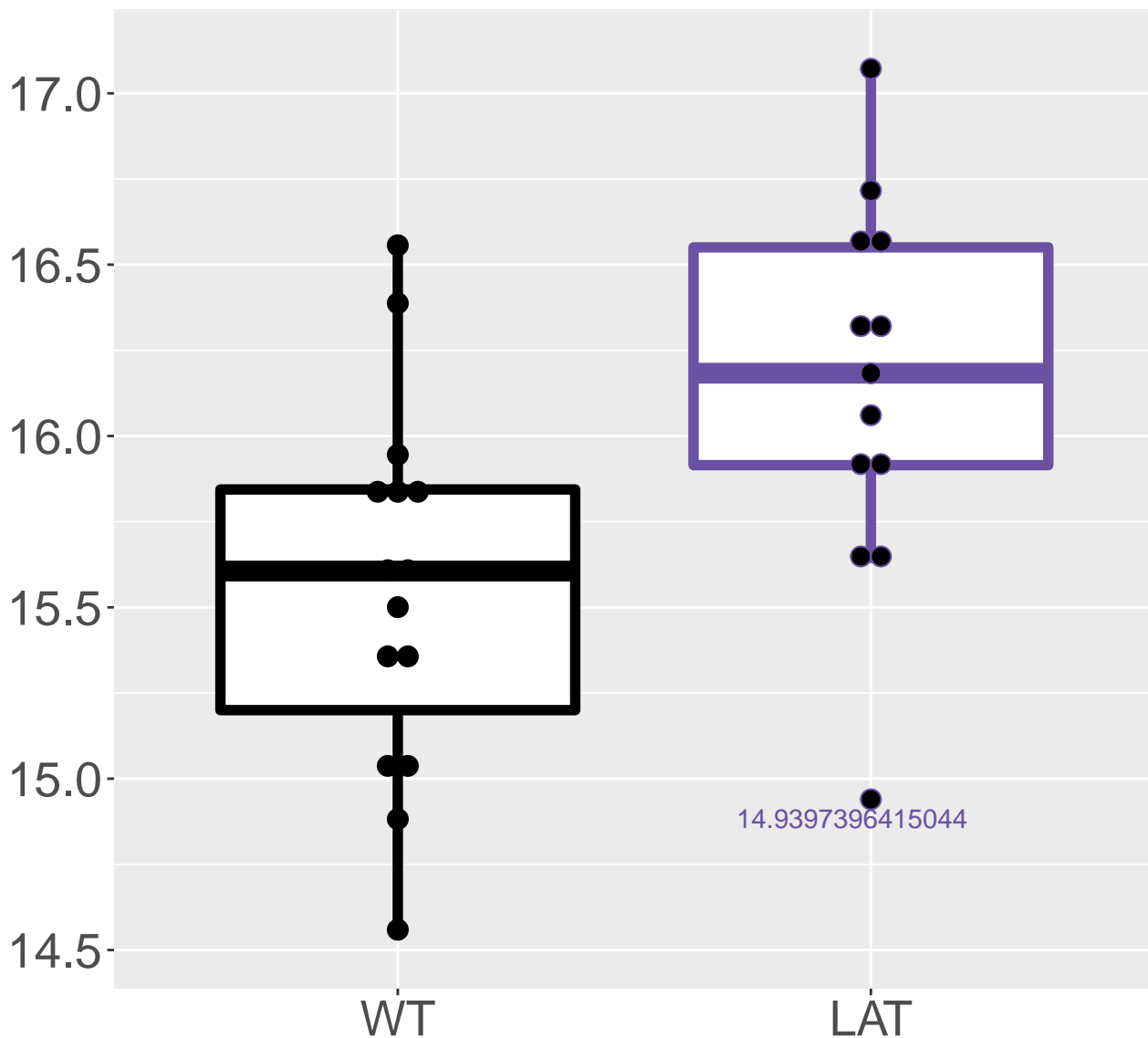
**FDR = 0.029, FC = -0.28**



**M171.8121T113.12\_8**  
**FDR = 0.029, FC = -0.7**

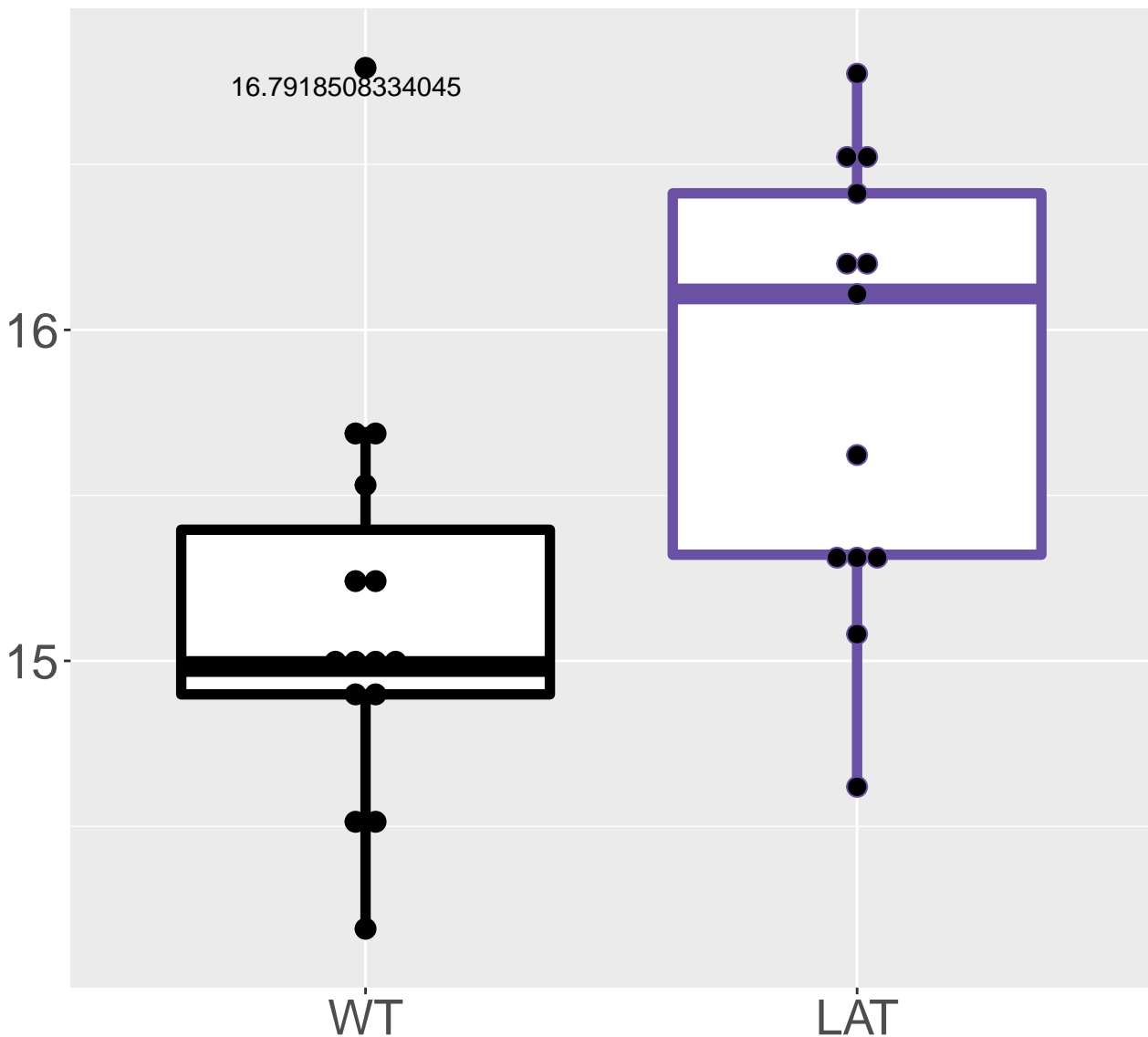


**M344.5834T85.46**  
**FDR = 0.03, FC = 0.59**



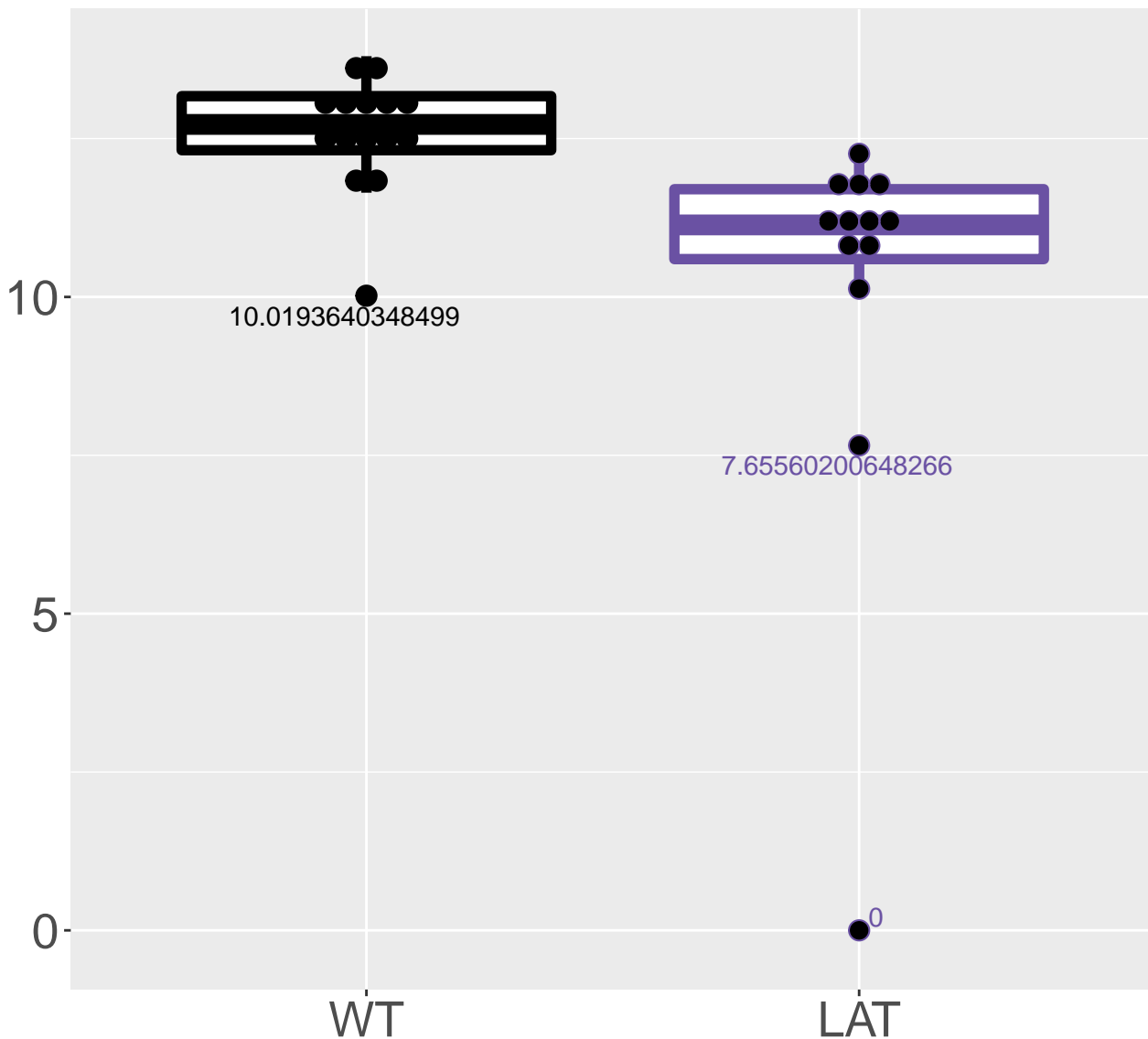
**M128.108T334.19**

**FDR = 0.03, FC = 0.7**



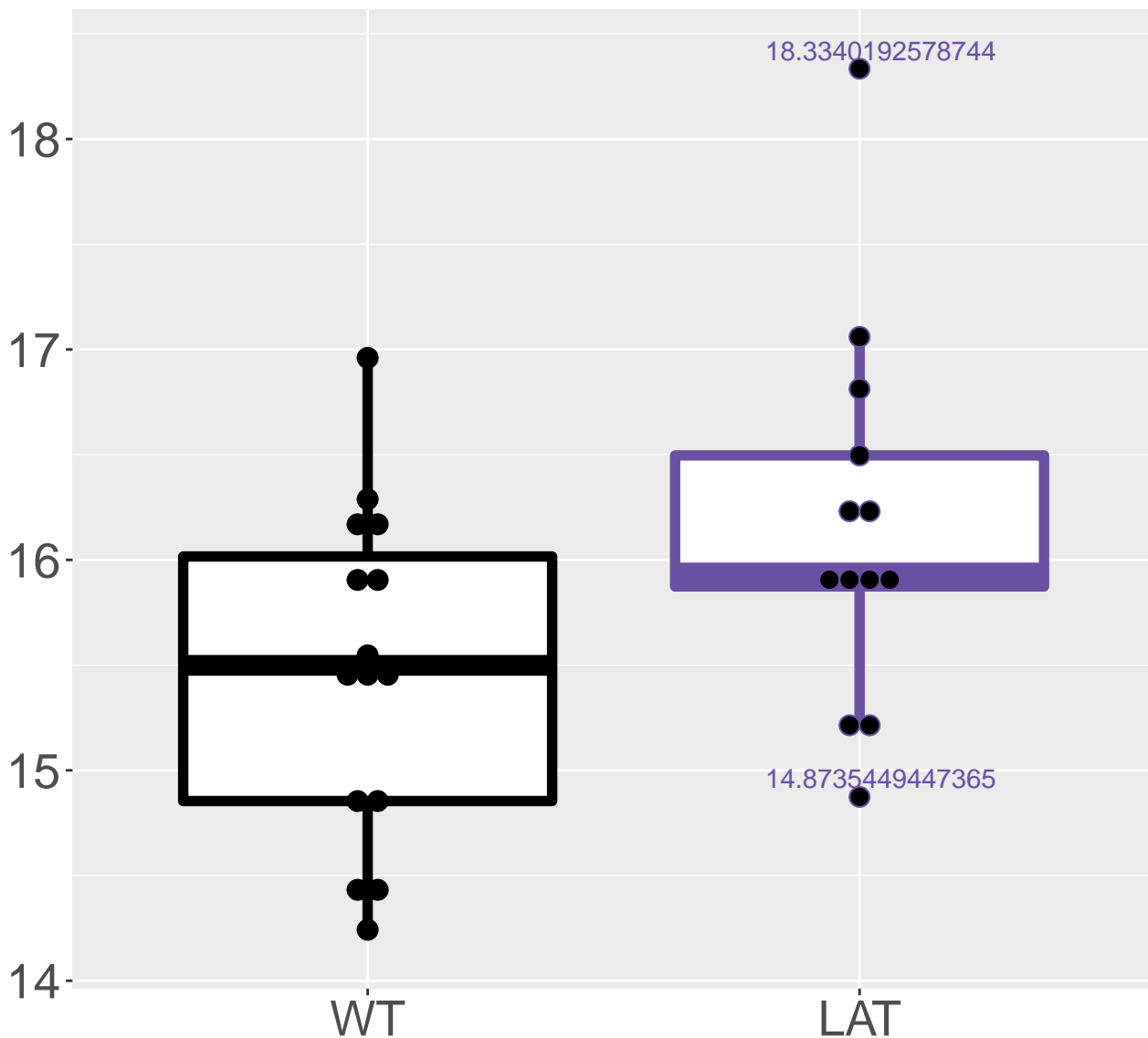
**M261.917T129.14**

**FDR = 0.03, FC = -2.5**

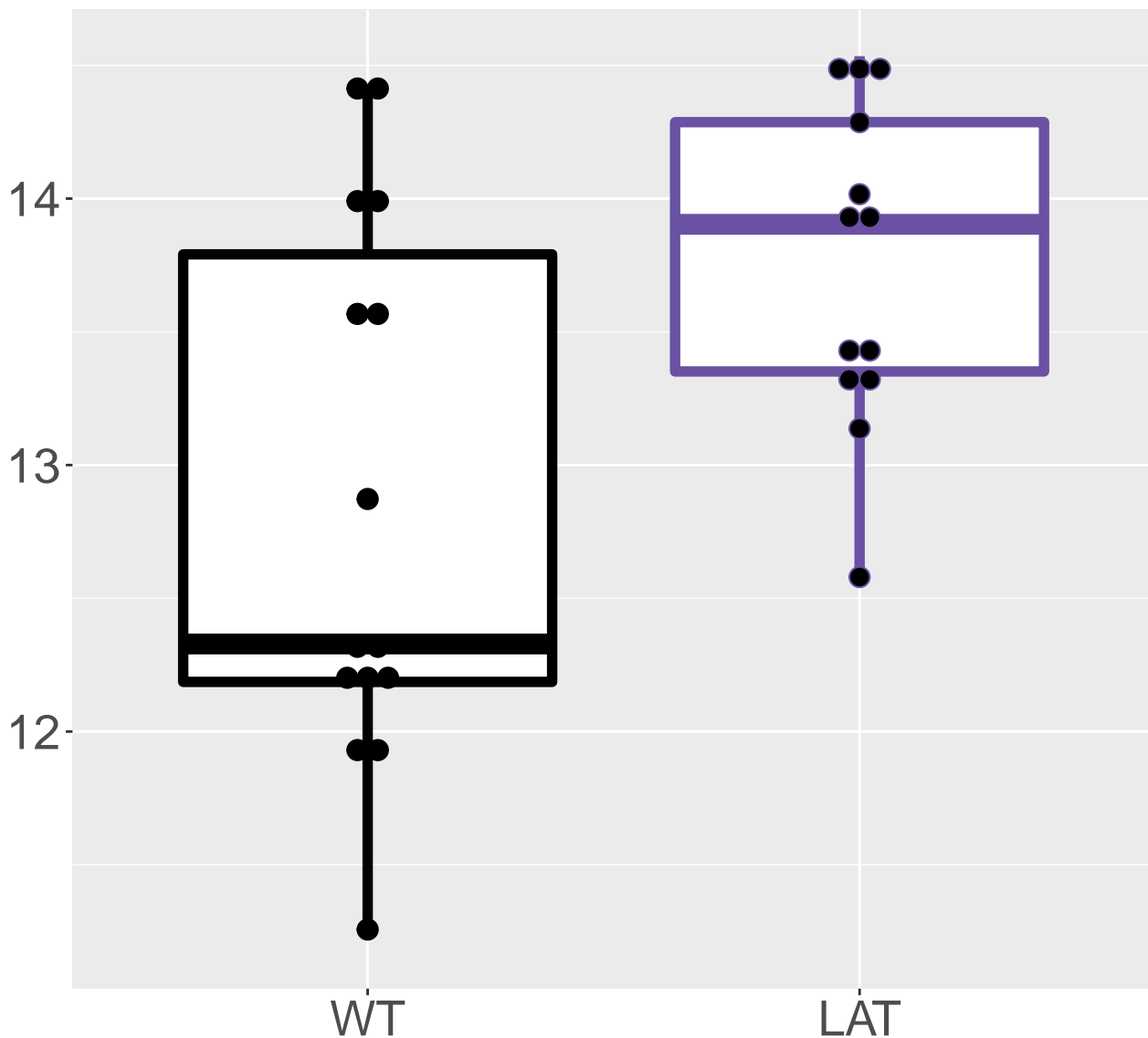


**M543.2576T487.7**

**FDR = 0.03, FC = 0.69, sex\***

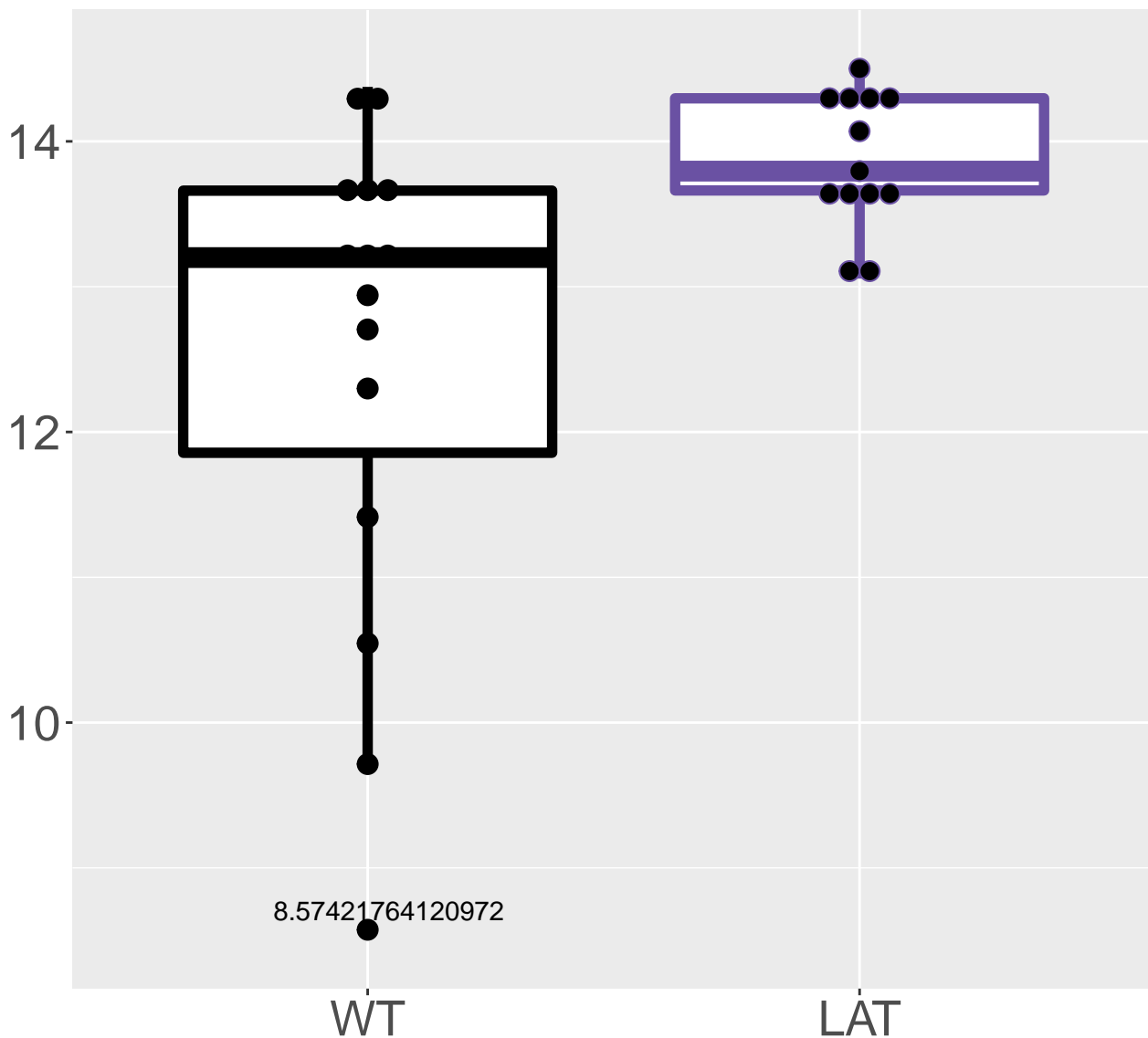


**M535.5304T339.96\_1**  
**FDR = 0.03, FC = 0.88**



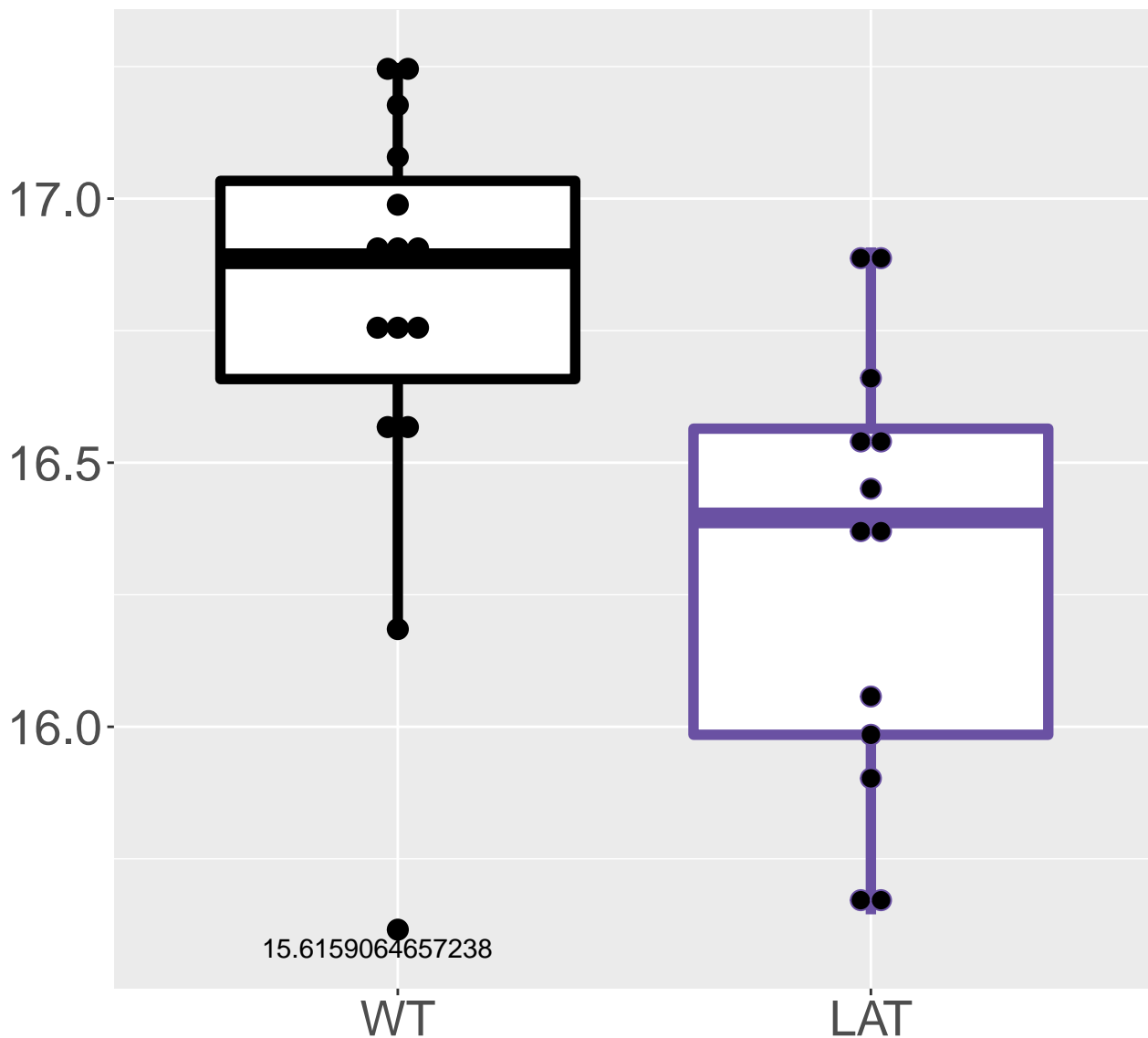
**M678.2876T126.82**

**FDR = 0.03, FC = 1.4**



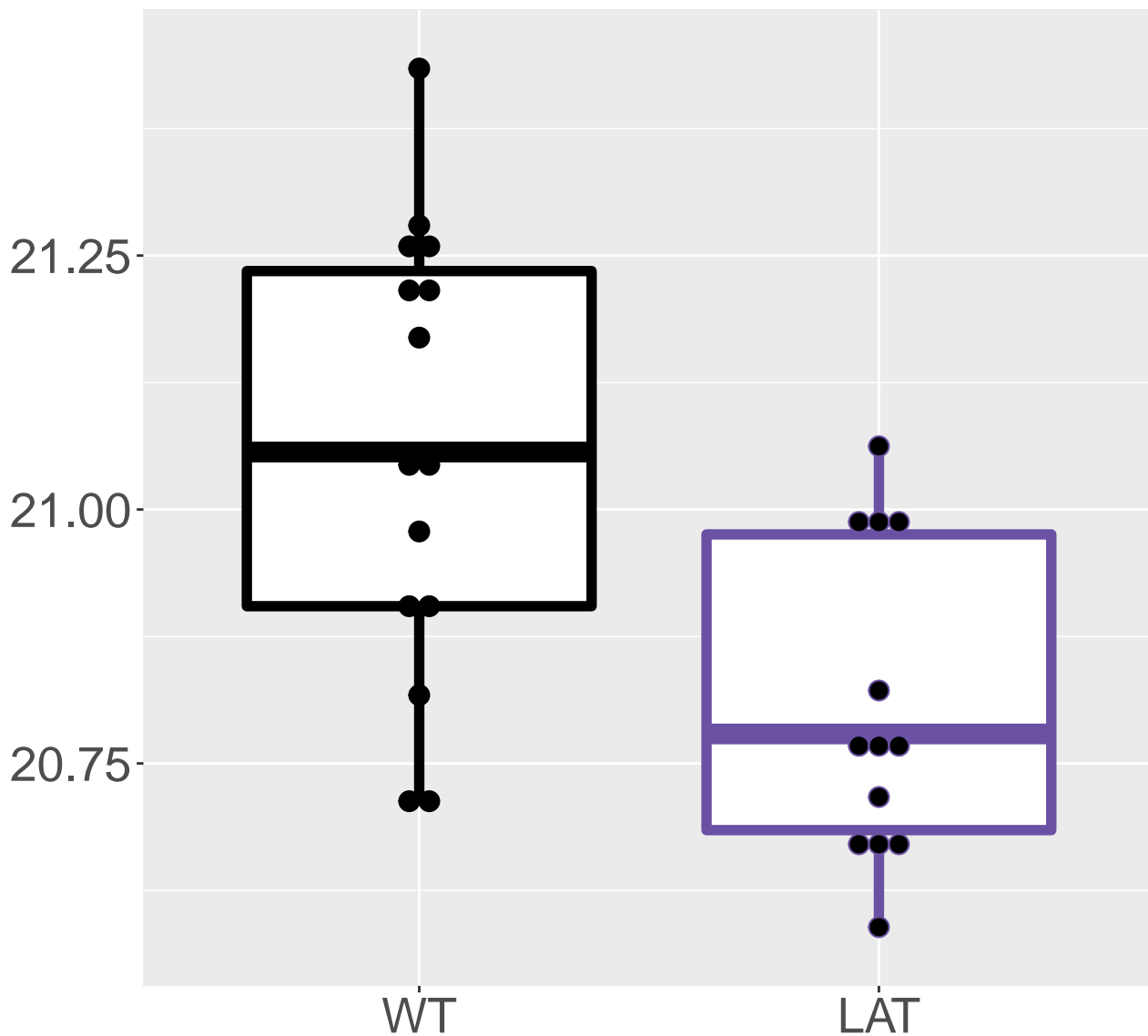


**FDR = 0.03, FC = -0.47**

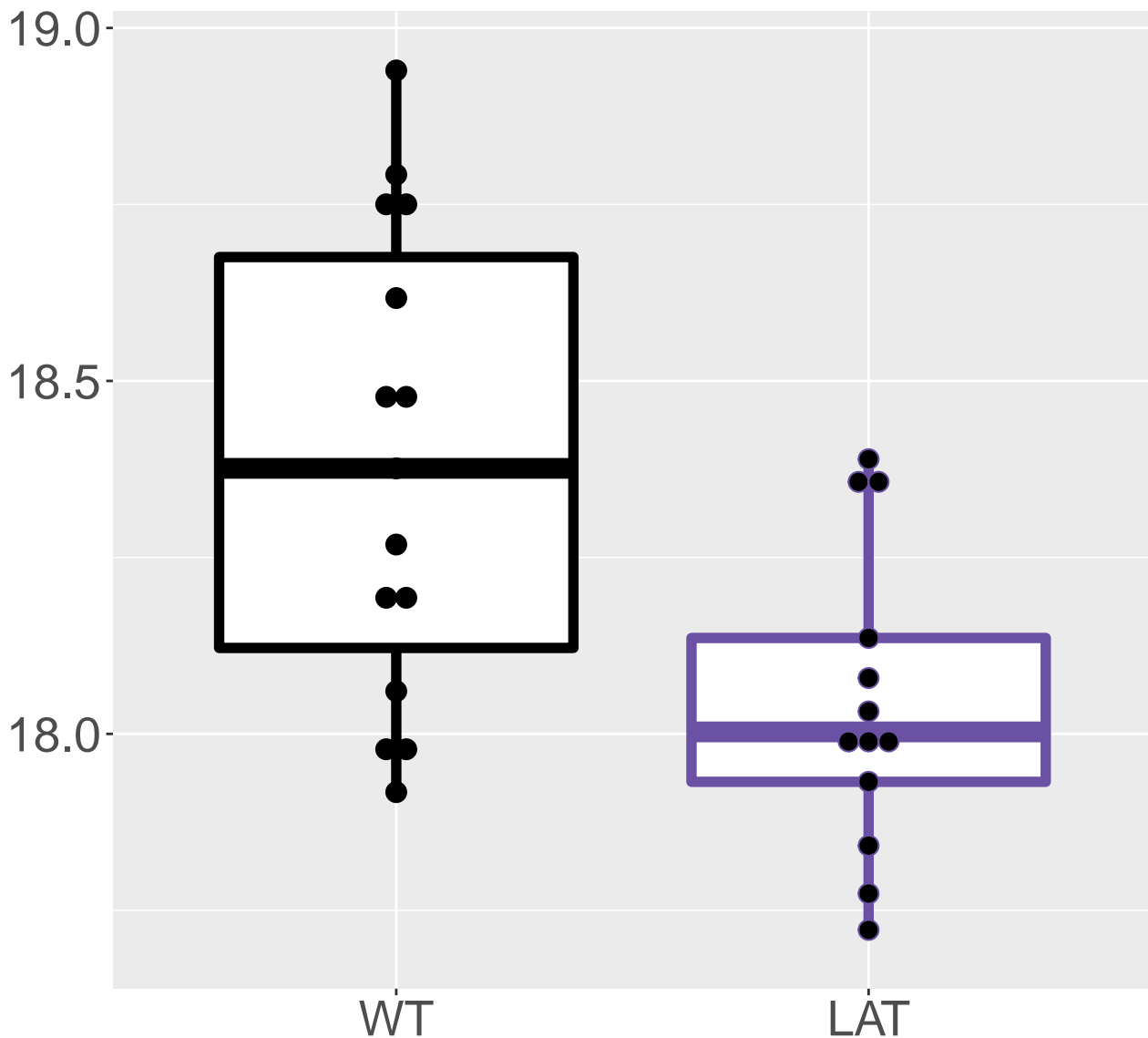


**M705.0586T371.4\_3**

**FDR = 0.03, FC = -0.26**

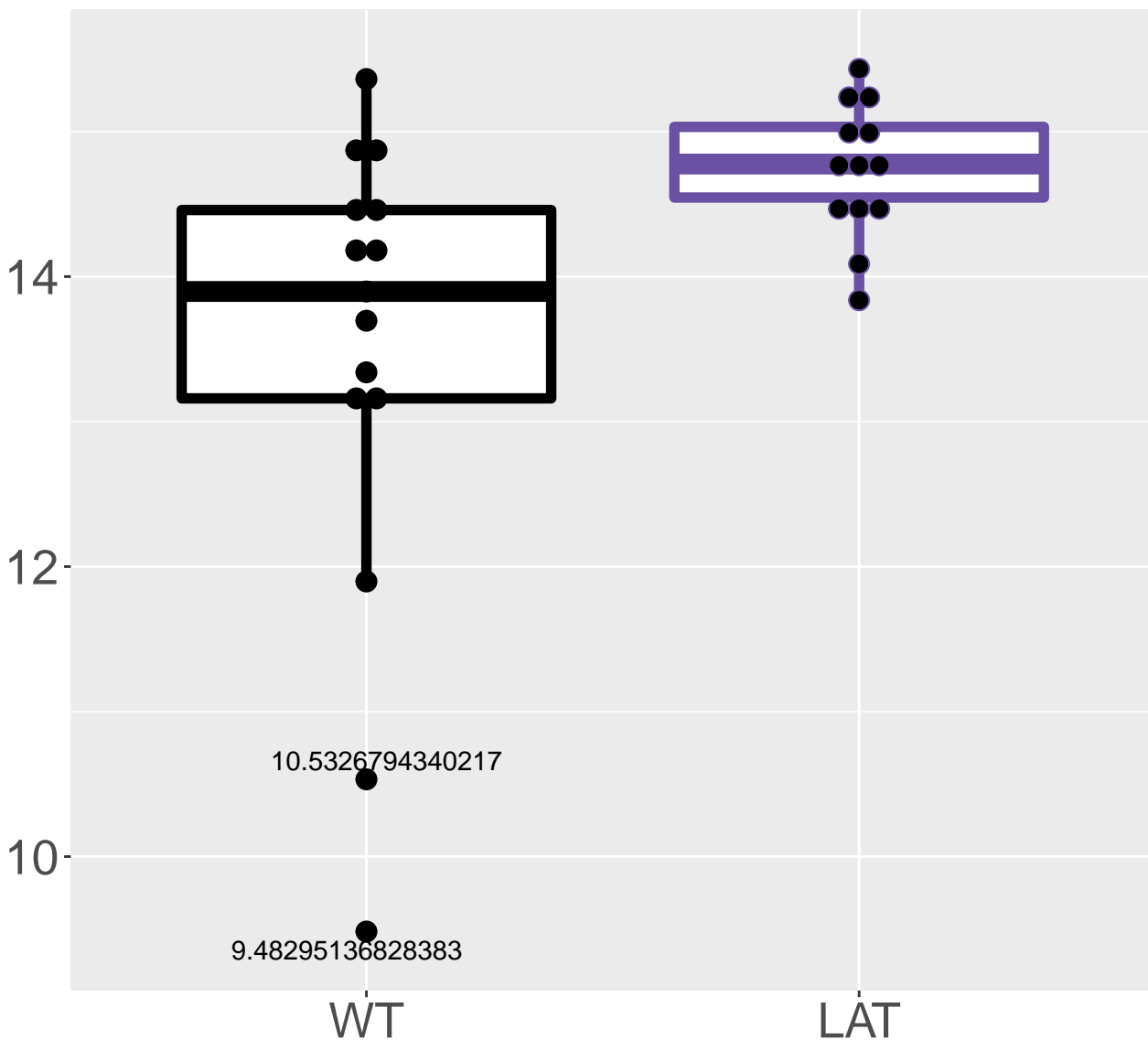


**M604.5514T371.23\_1**  
**FDR = 0.03, FC = -0.34**

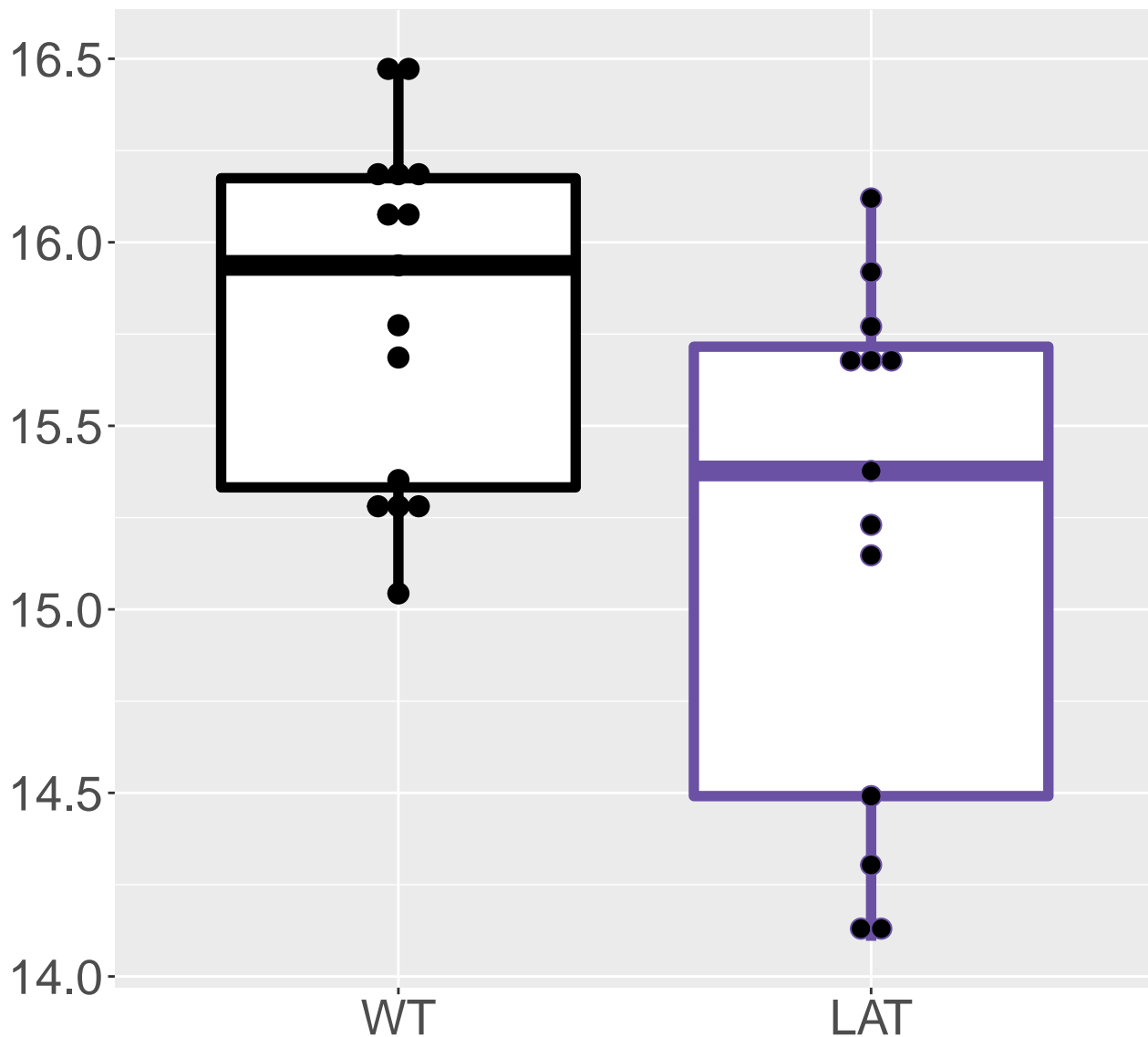


**M525.196T79.12**

**FDR = 0.03, FC = 1.3**

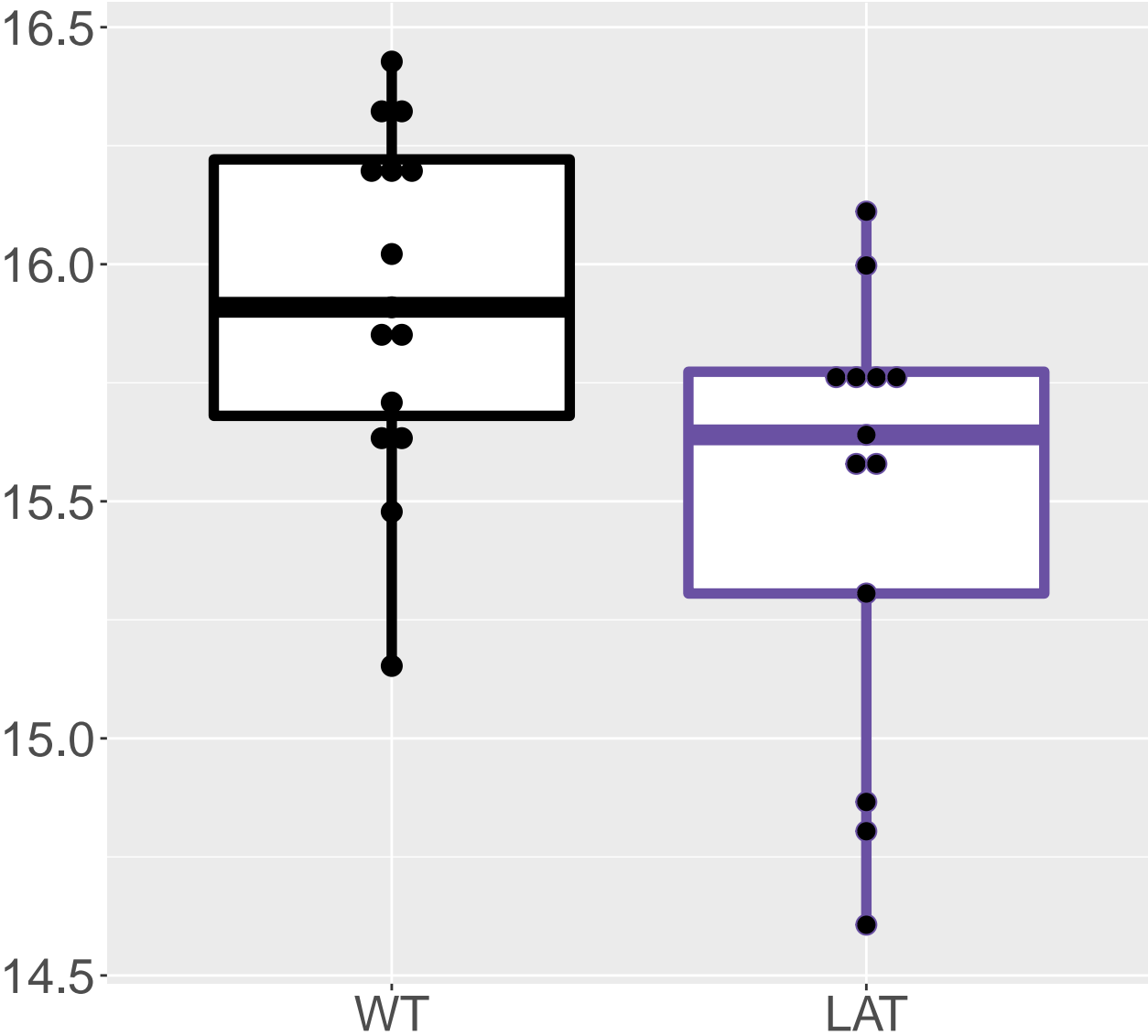


**M160.7827T113.22\_14**  
**FDR = 0.03, FC = -0.62**



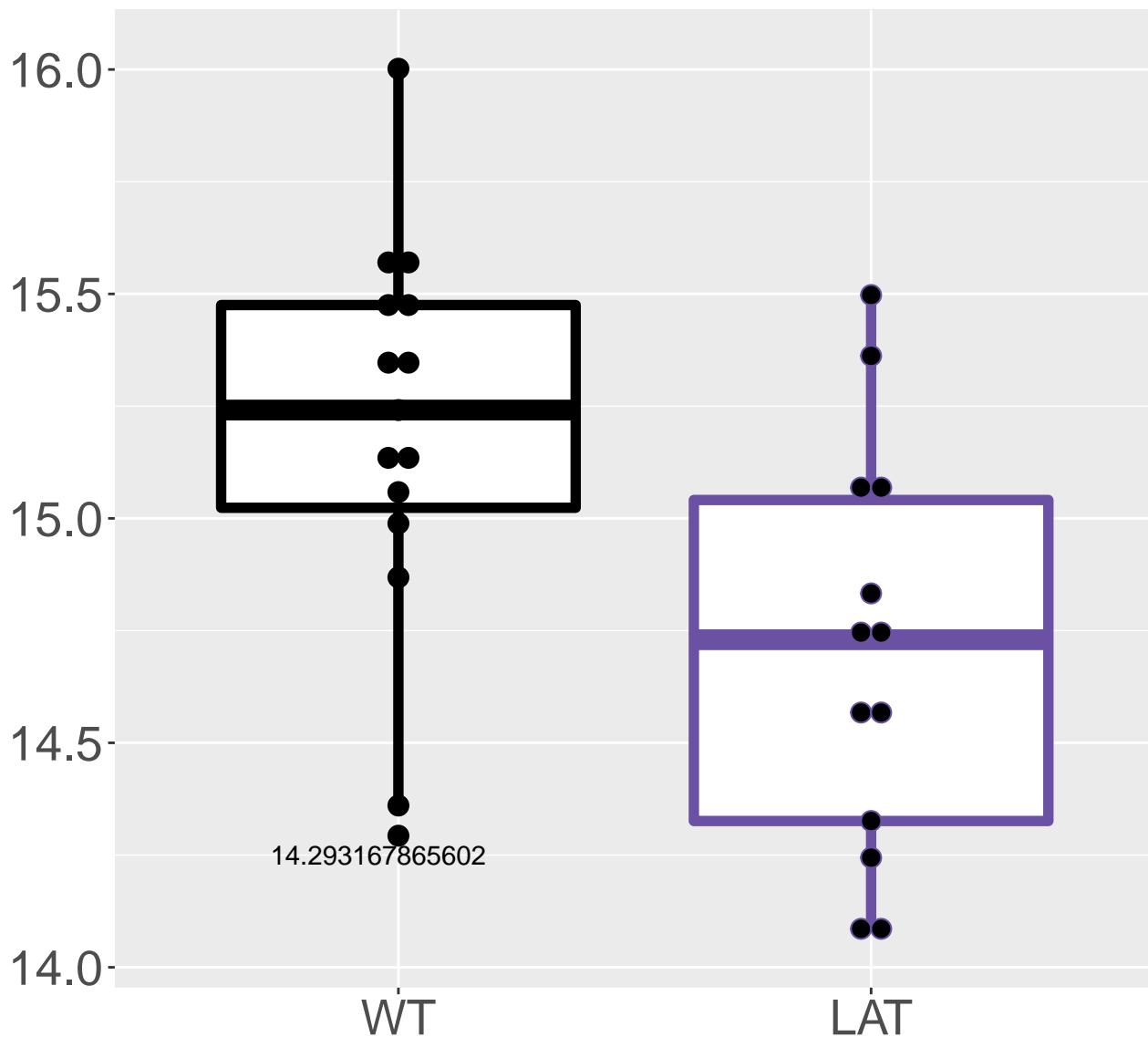
**M161.7183T113.3 10**

**FDR = 0.03, FC = -0.43**



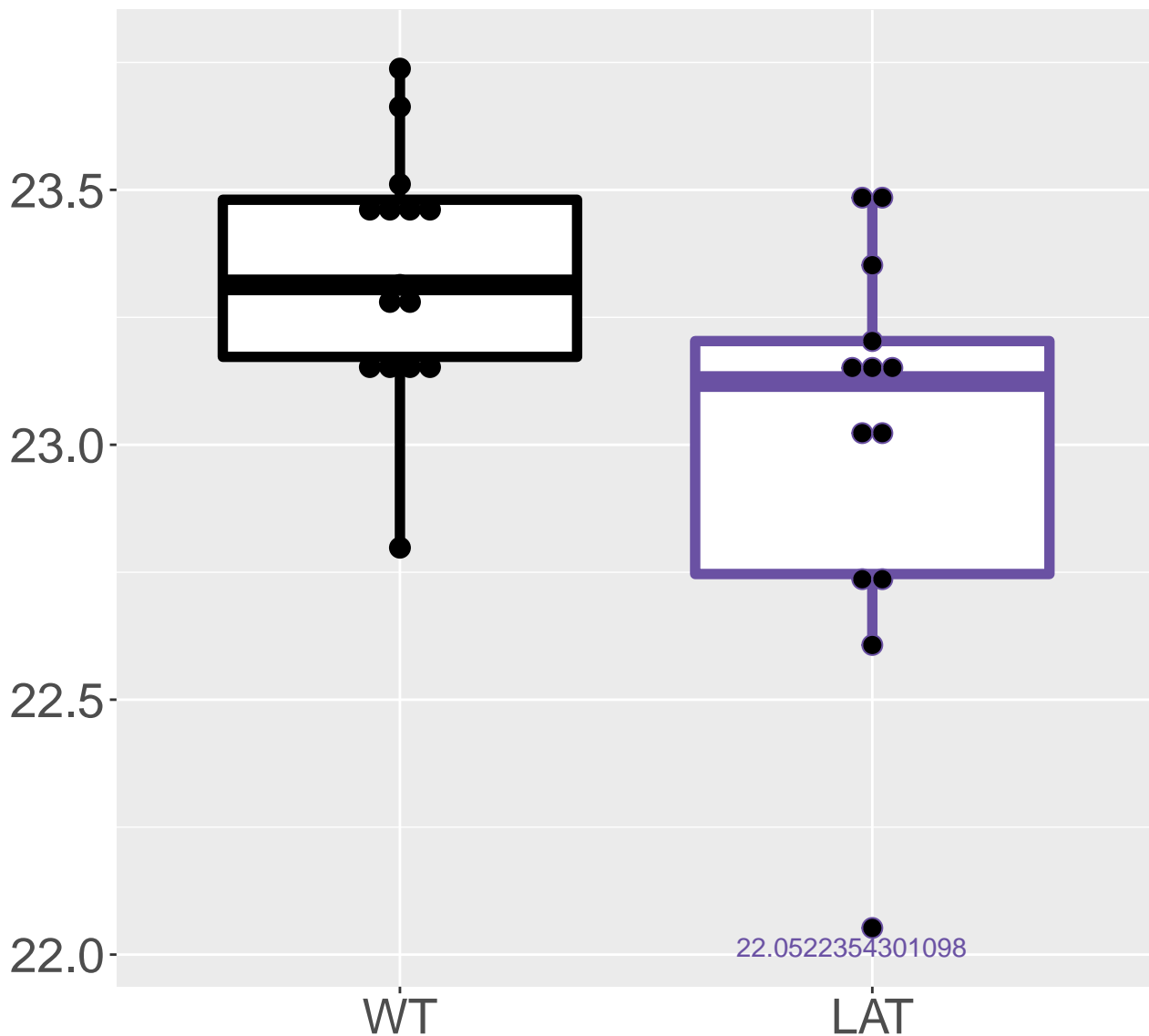
**M243.054T229.53**

**FDR = 0.031, FC = -0.48**



**M381.0811T47.35**

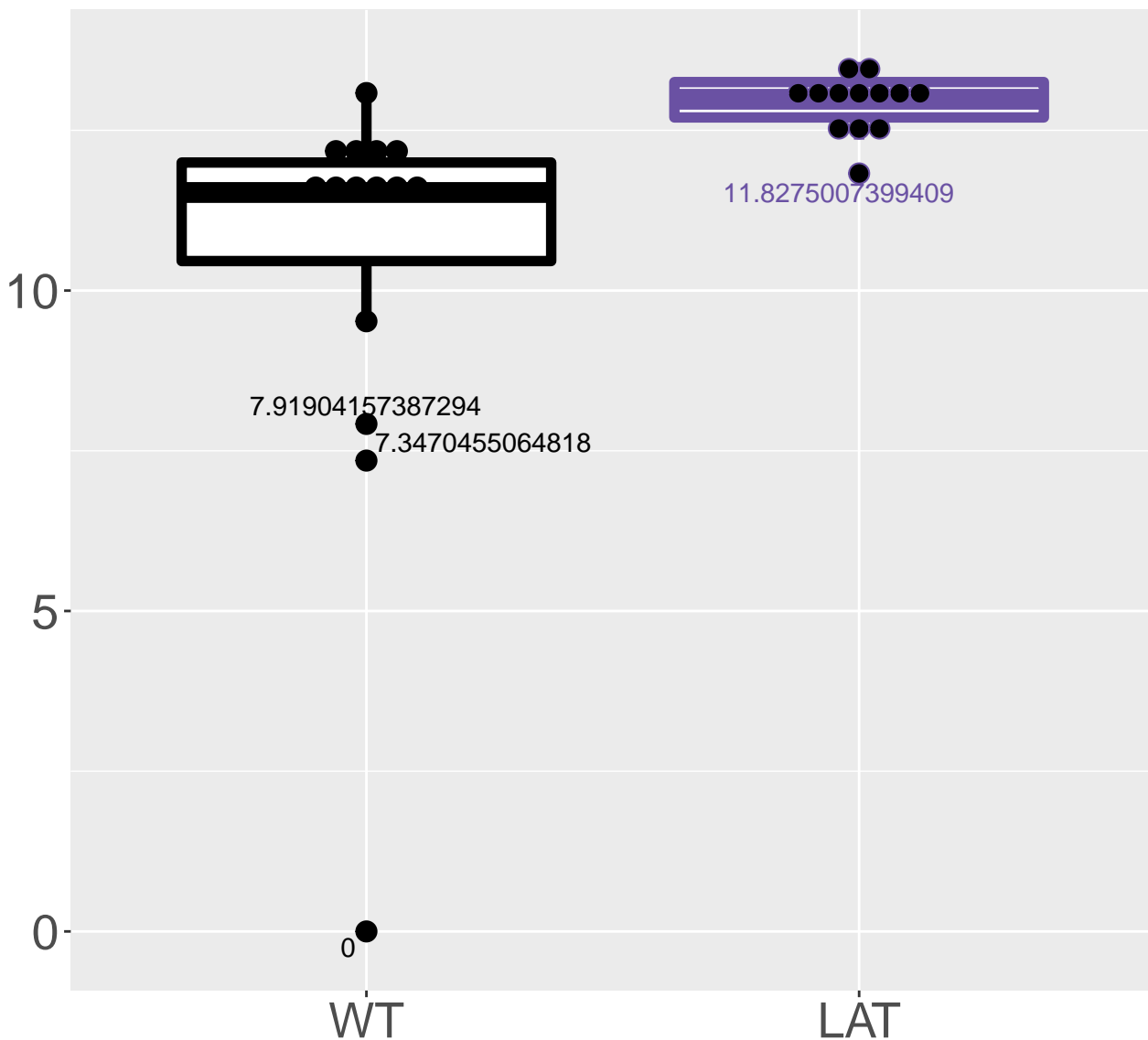
**FDR = 0.031, FC = -0.32**





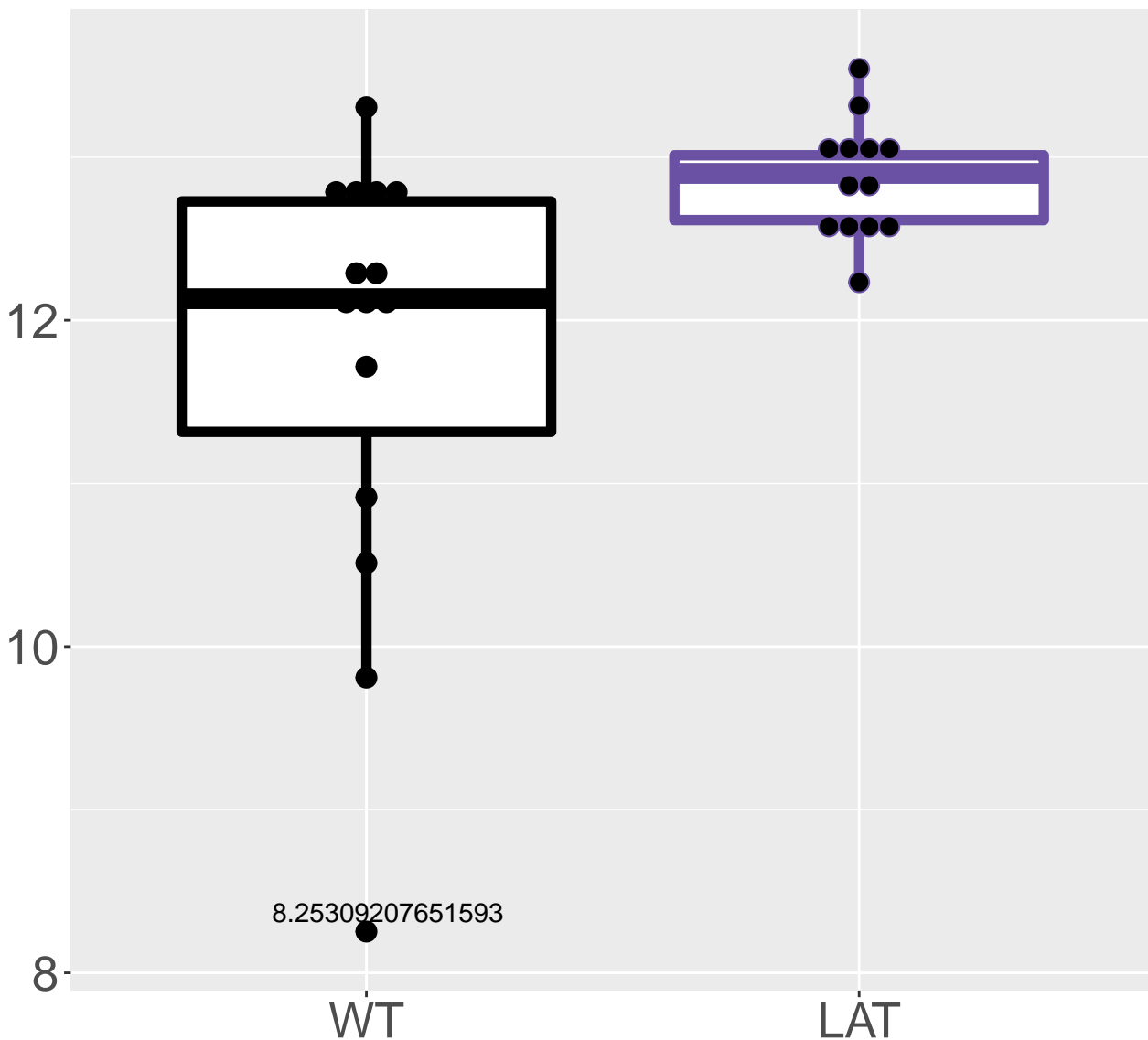
**M644.9996T92.9**

**FDR = 0.031, FC = 2.5**



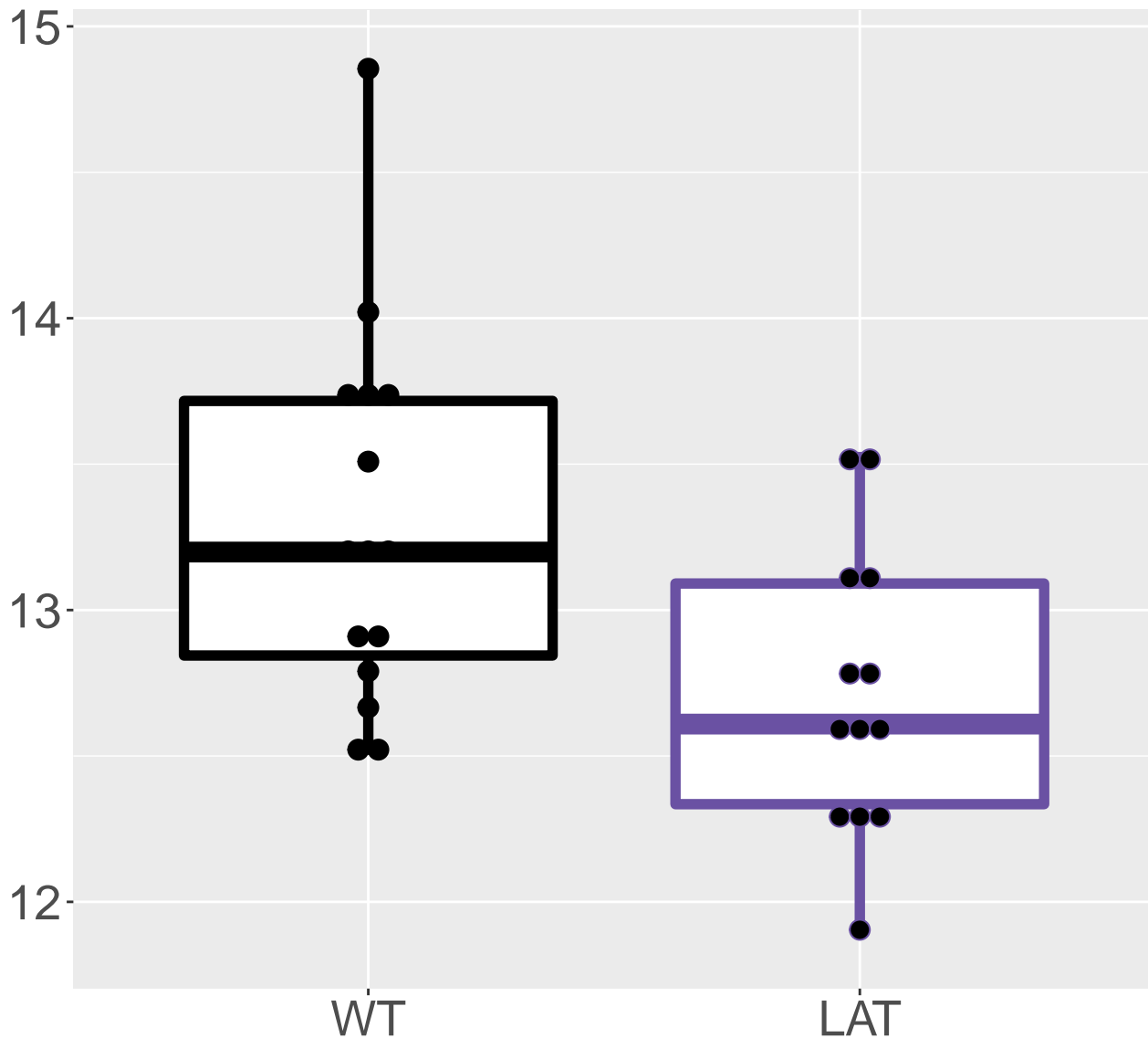
**M402.2078T385.75**

**FDR = 0.031, FC = 1.1**



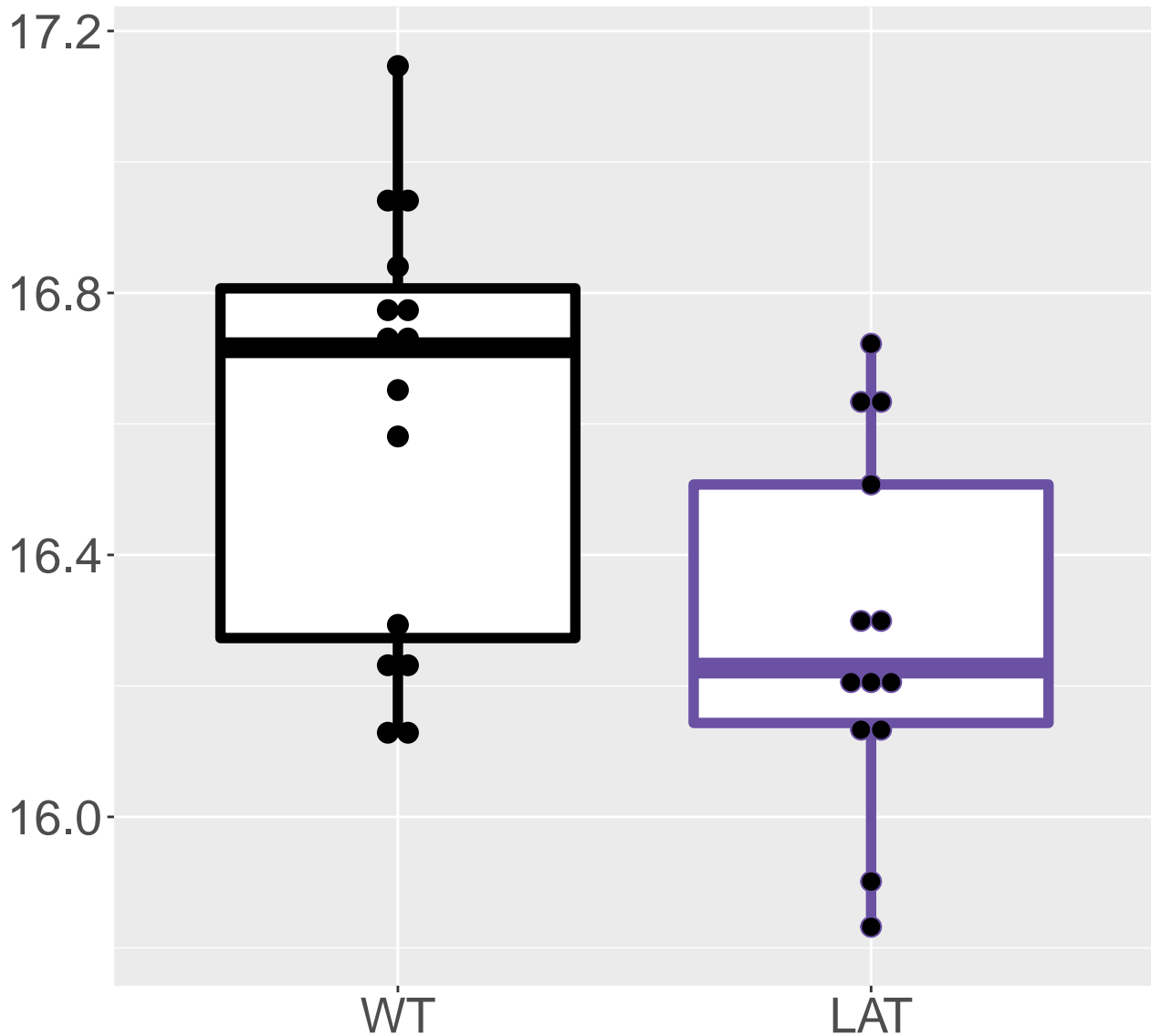
**M204.0704T284.32**

**FDR = 0.031, FC = -0.58**

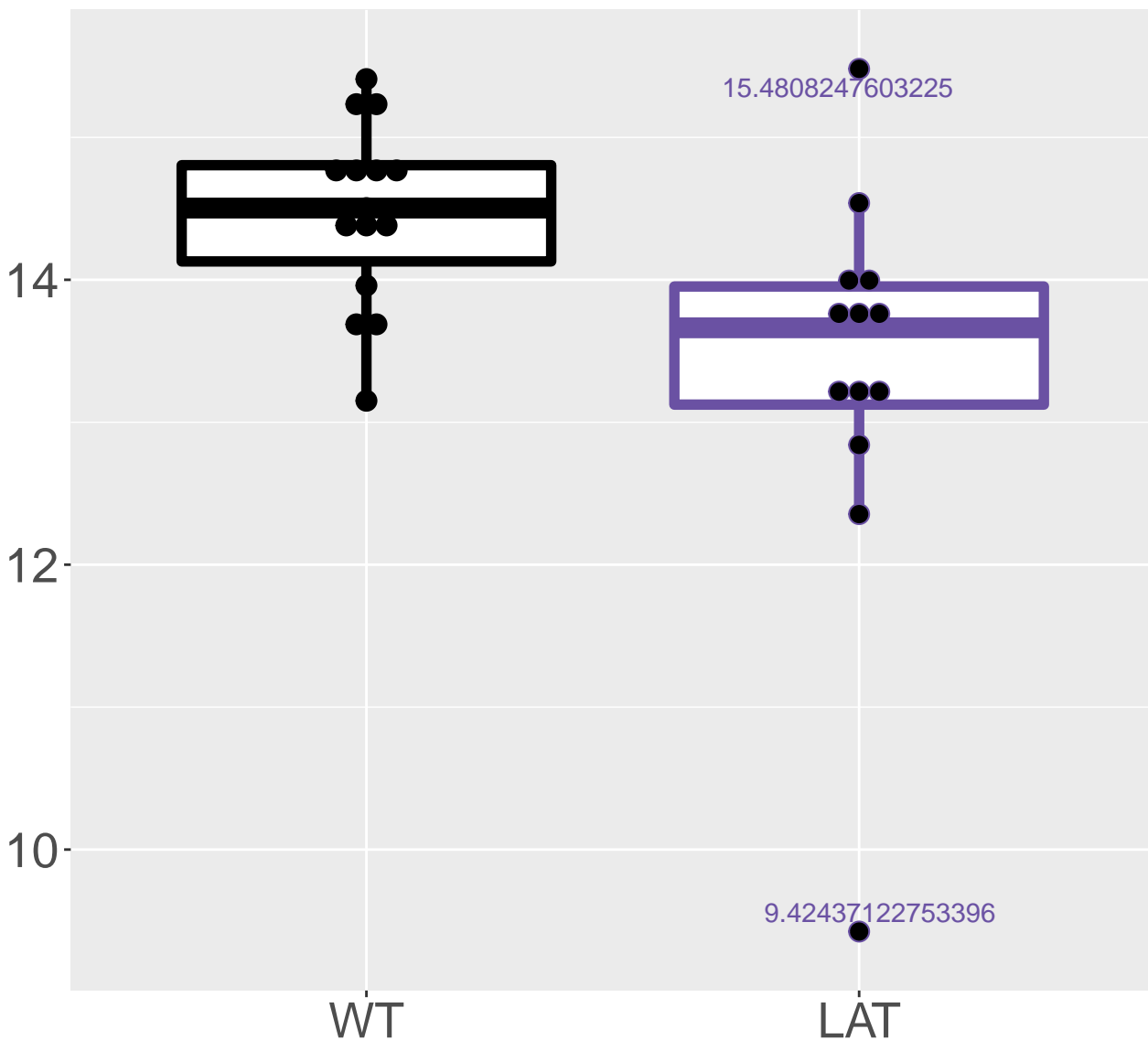


**M307.0449T73.38**

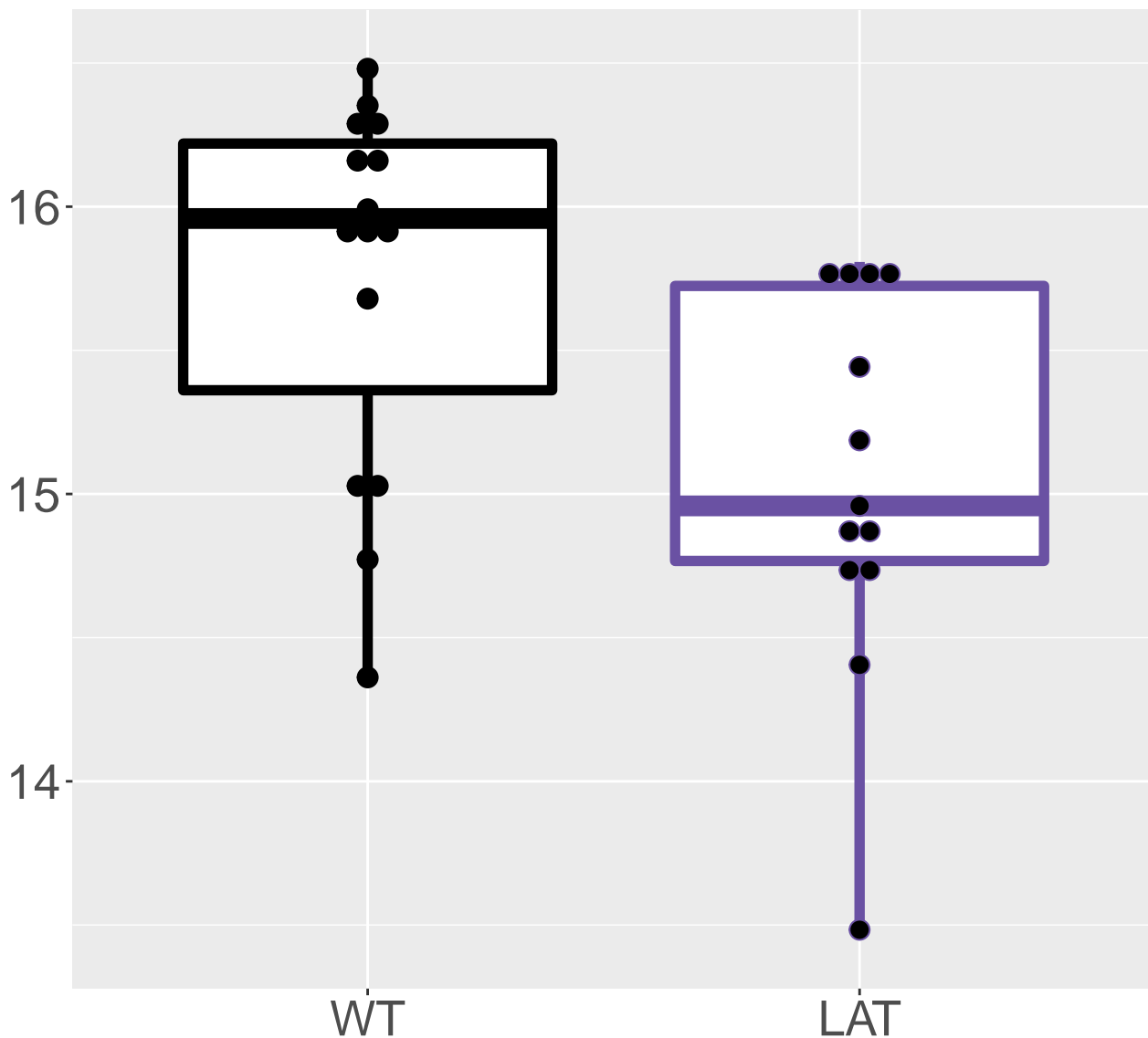
**FDR = 0.031, FC = -0.32**



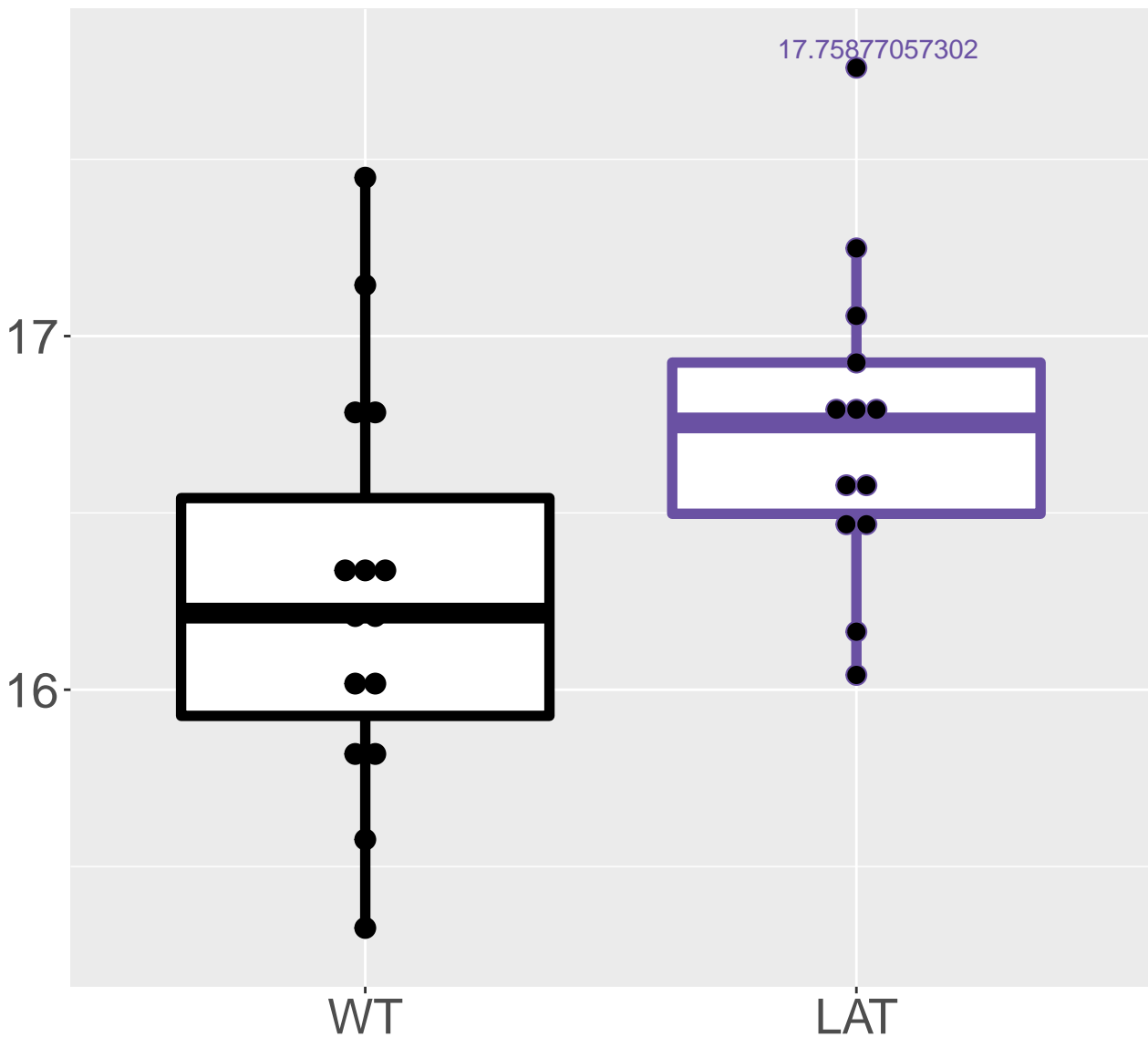
**M585.28T289.01**  
**FDR = 0.031, FC = -1.1**



**M171.618T113.21\_5**  
**FDR = 0.031, FC = -0.69**

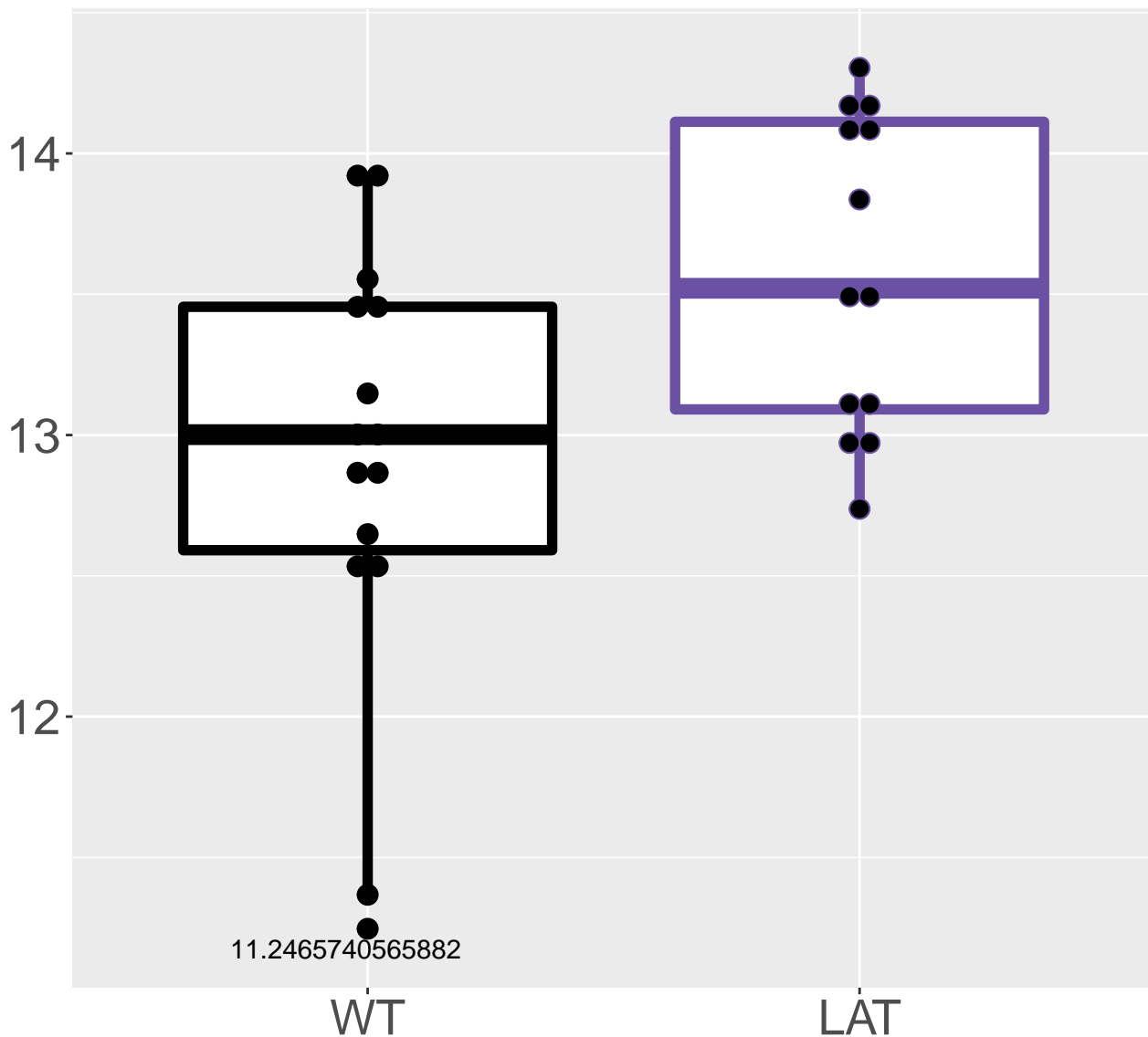


**M679.4987T298.37\_4**  
**FDR = 0.031, FC = 0.46**



**M412.0313T99.57**

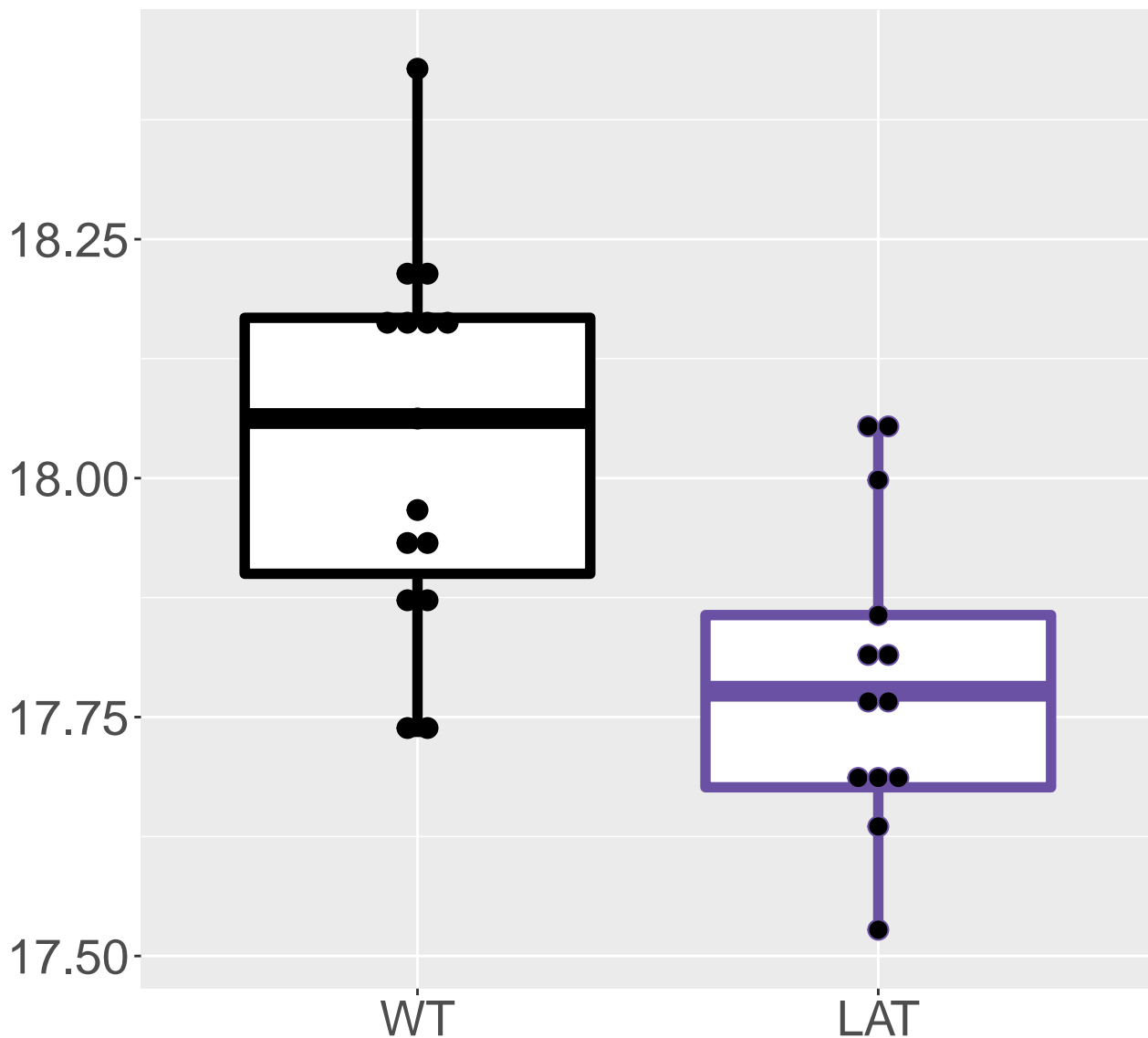
**FDR = 0.031, FC = 0.68**





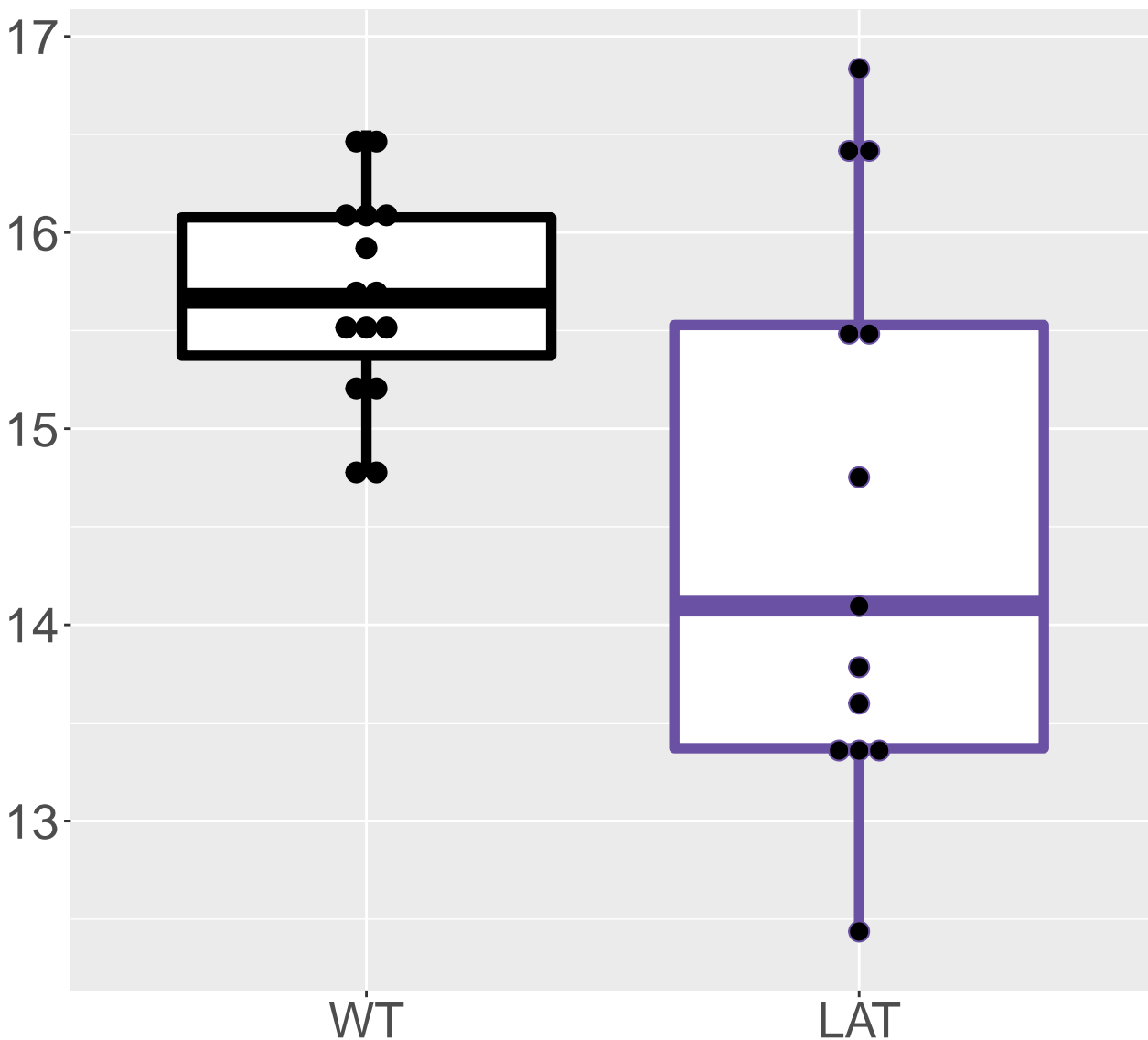
**M705.6408T371.62\_1**

**FDR = 0.031, FC = -0.25**



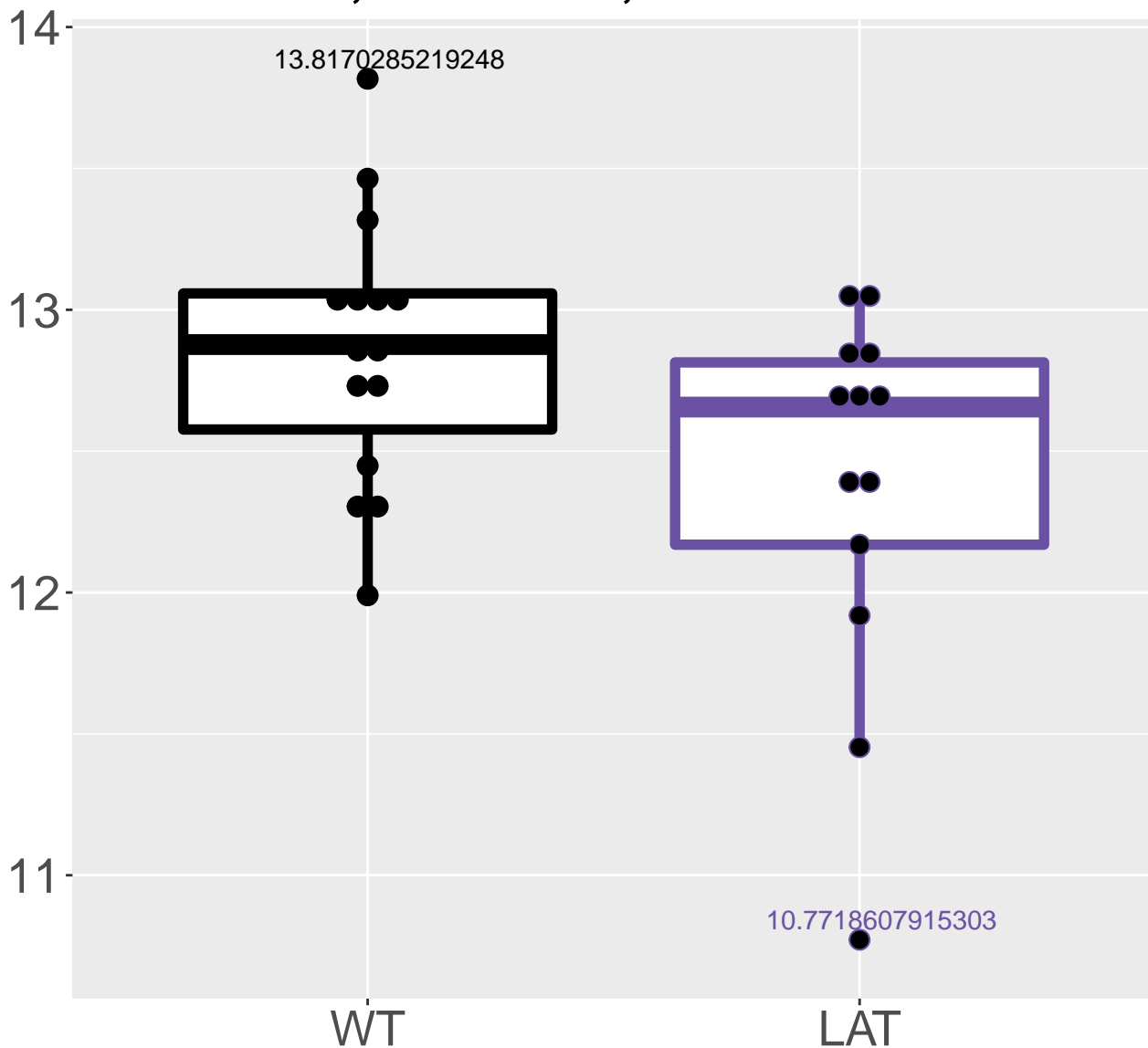
**M420.2109T102.33**

**FDR = 0.032, FC = -1.1**

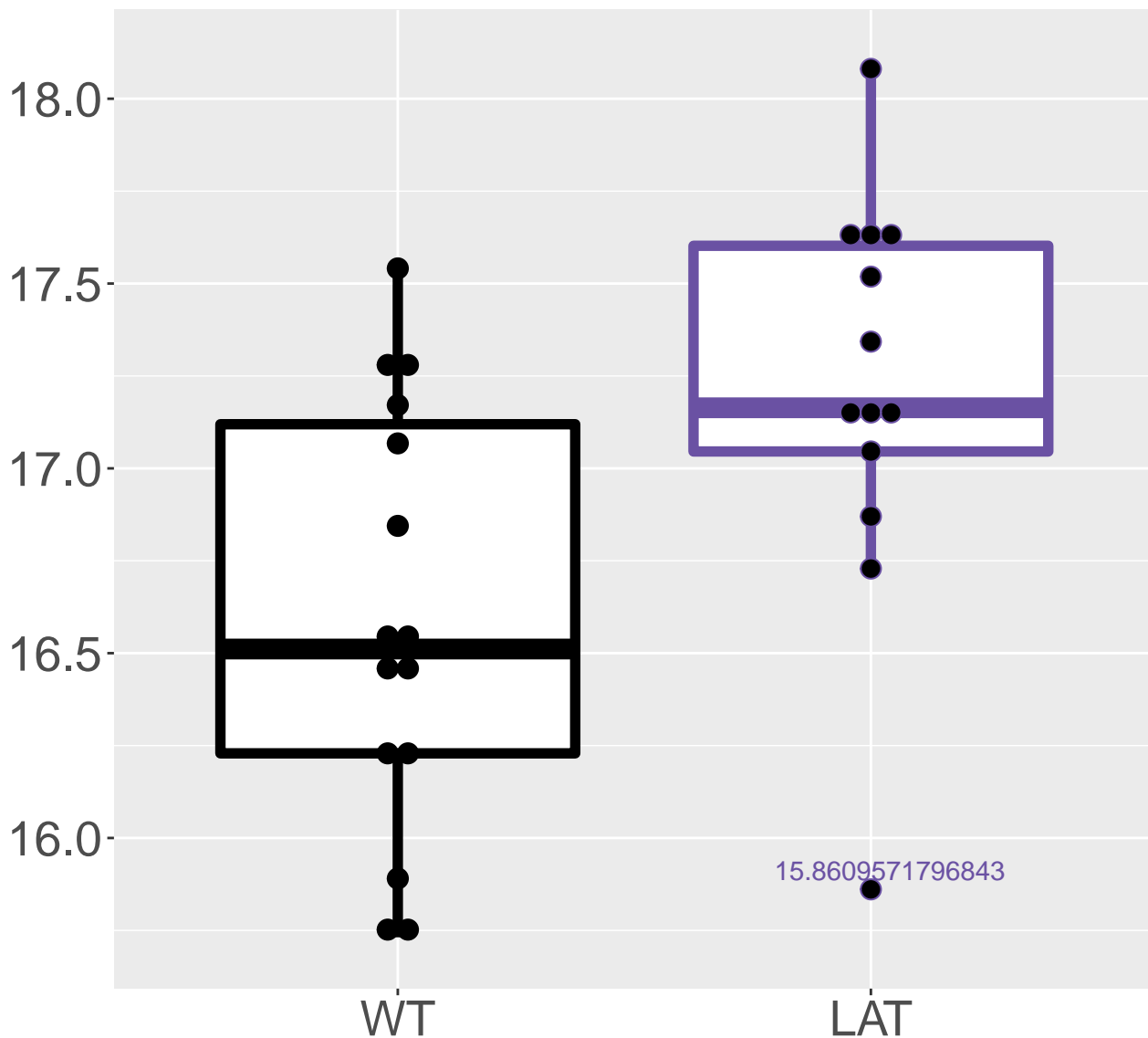


**M293.5963T270.98\_1**

**FDR = 0.032, FC = -0.48, sex\***

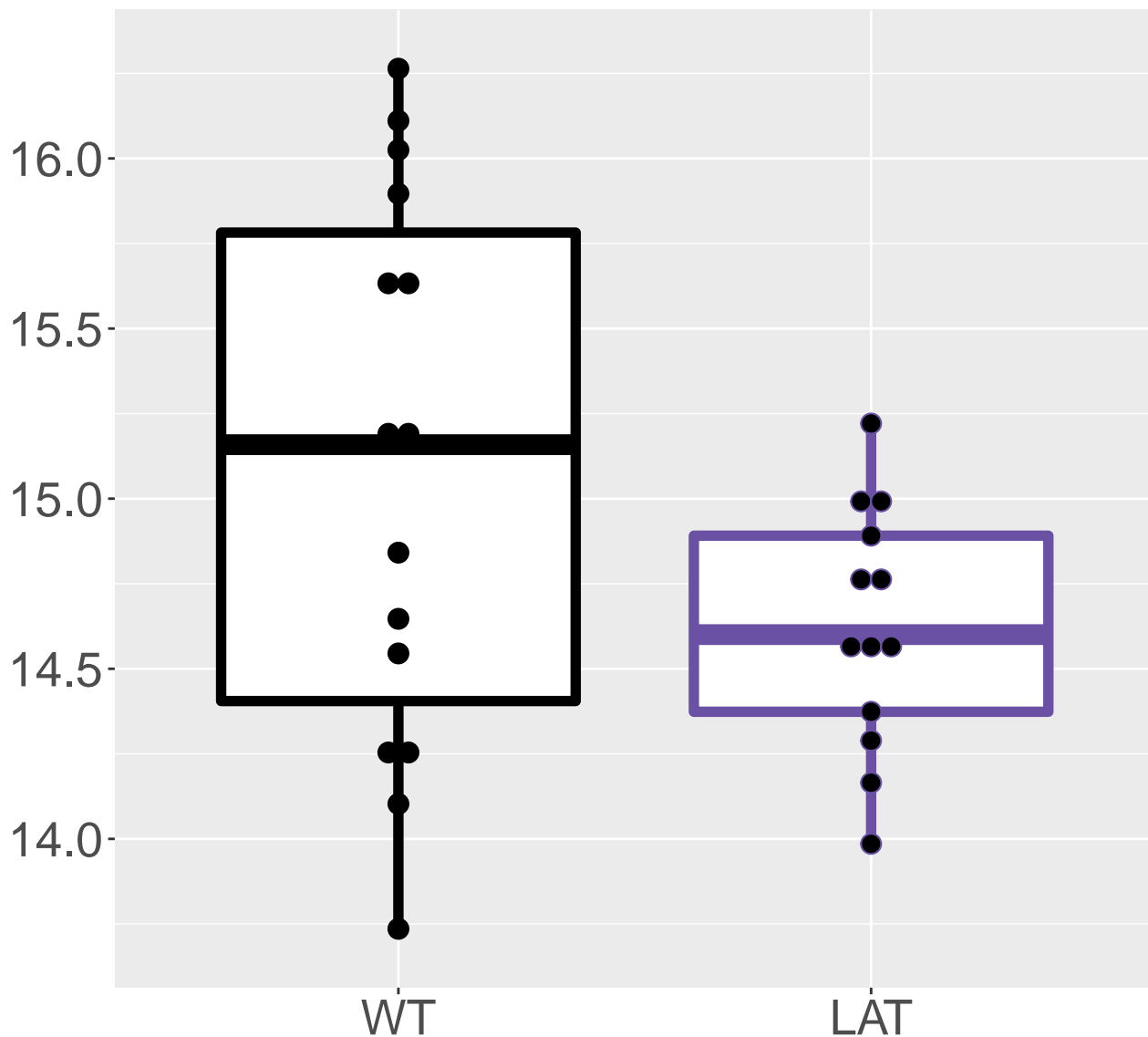


**M412.2122T343.38**  
**FDR = 0.032, FC = 0.61**



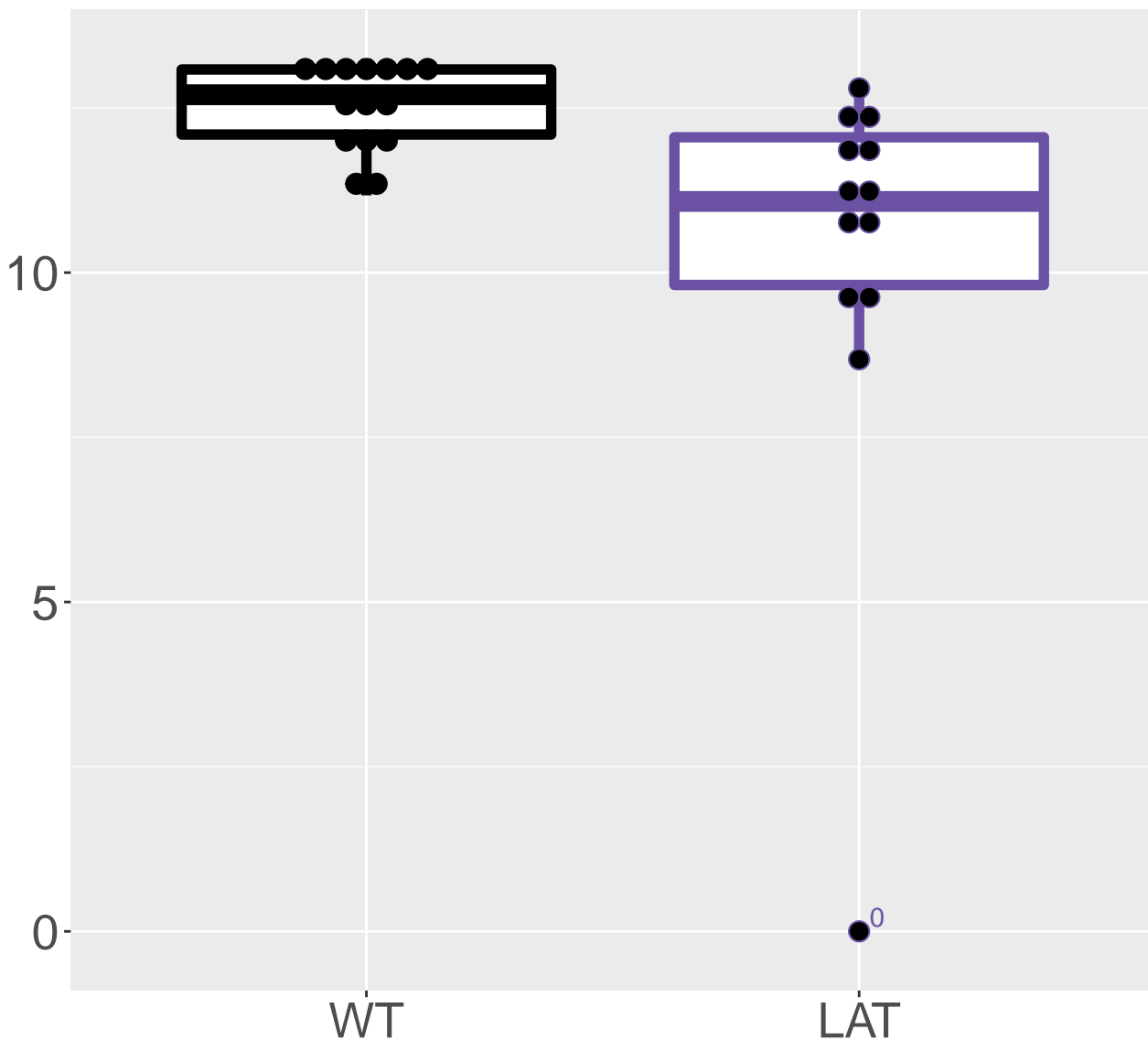
**M546.3005T343.09**

**FDR = 0.032, FC = -0.46, sex\*\***

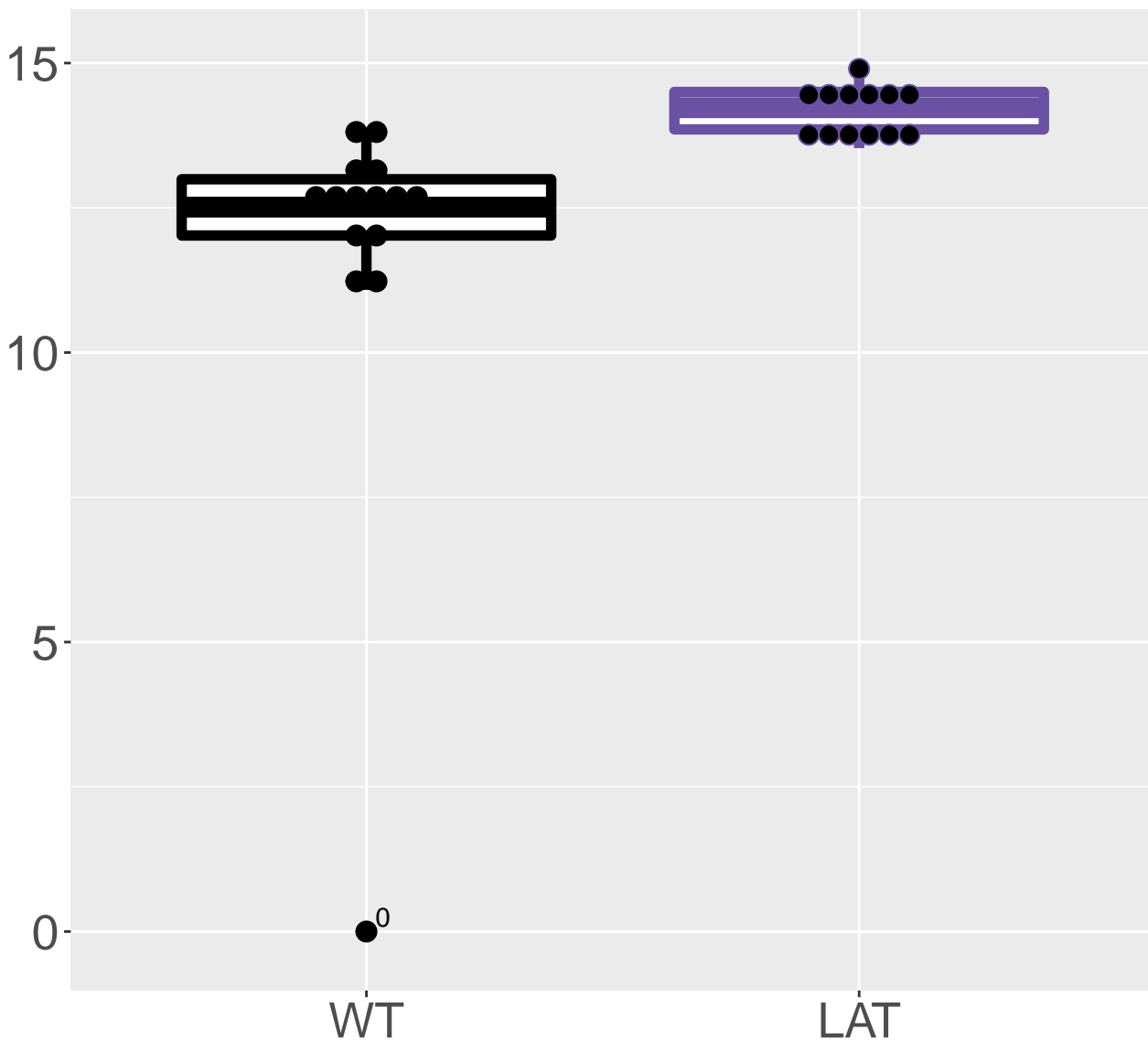


**M536.788T283.81**

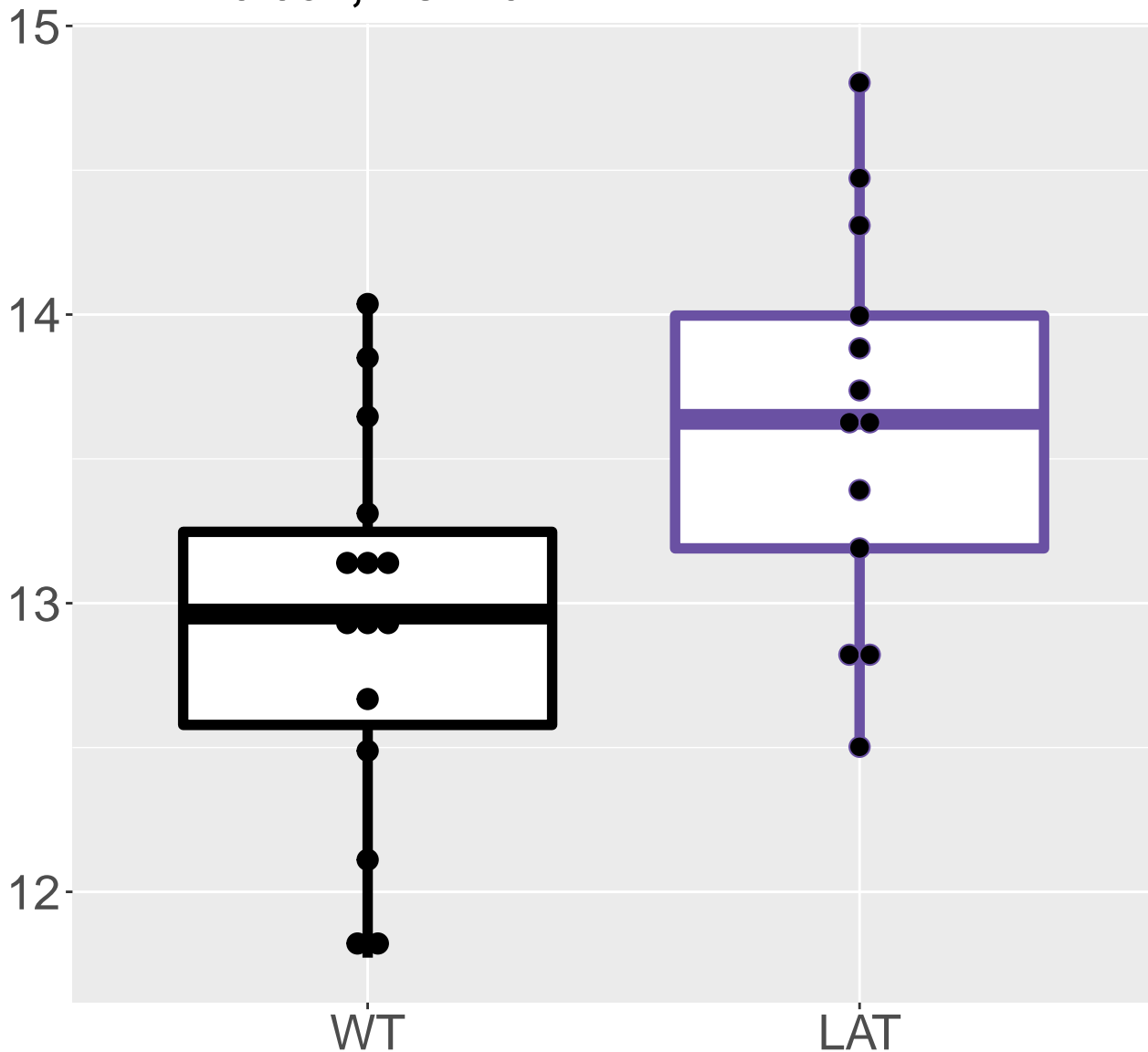
**FDR = 0.032, FC = -2.3**



**M689.9827T330.2\_1**  
**FDR = 0.032, FC = 2.4**

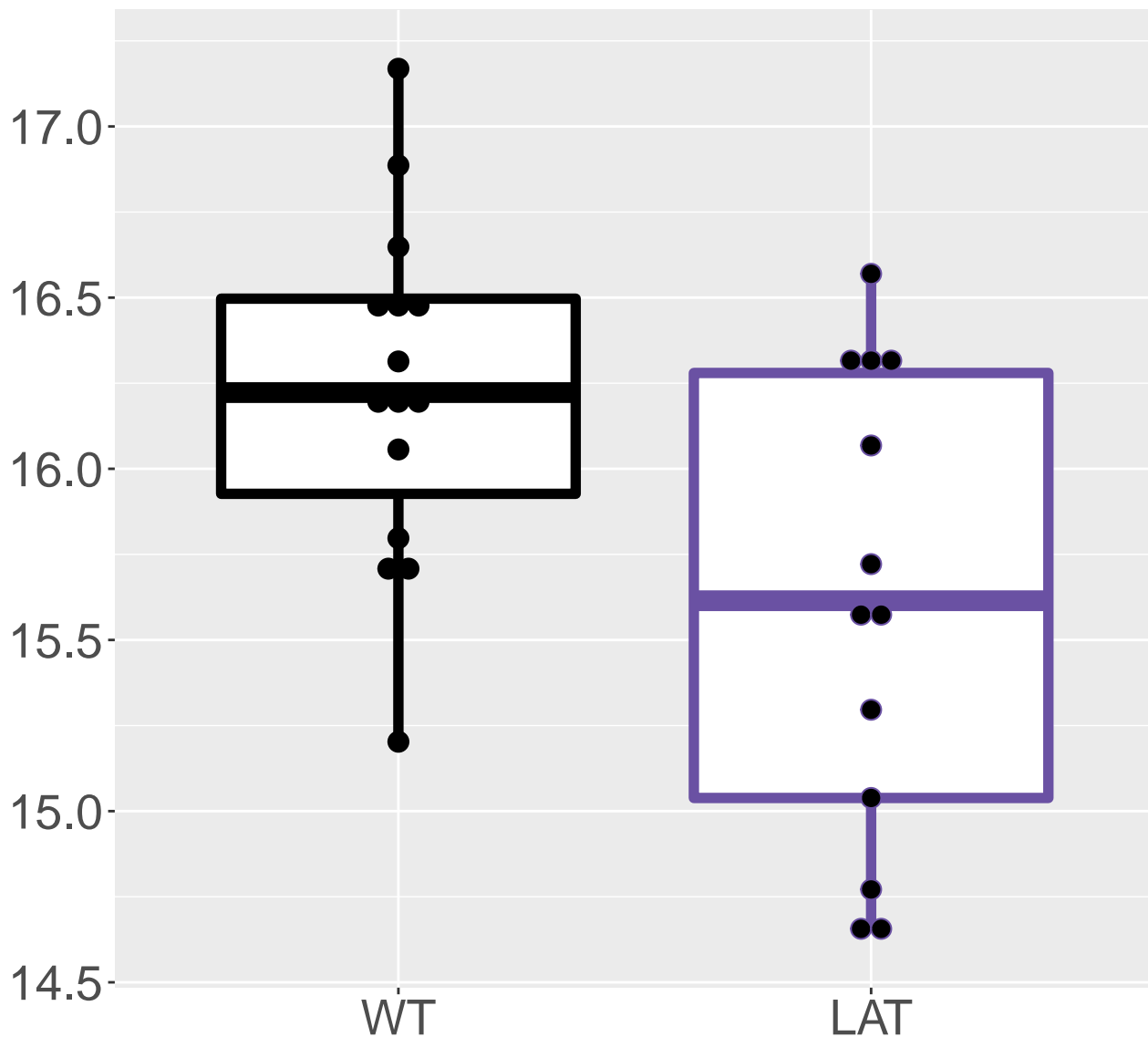


**M728.1894T311.14\_3**  
**FDR = 0.032, FC = 0.7**



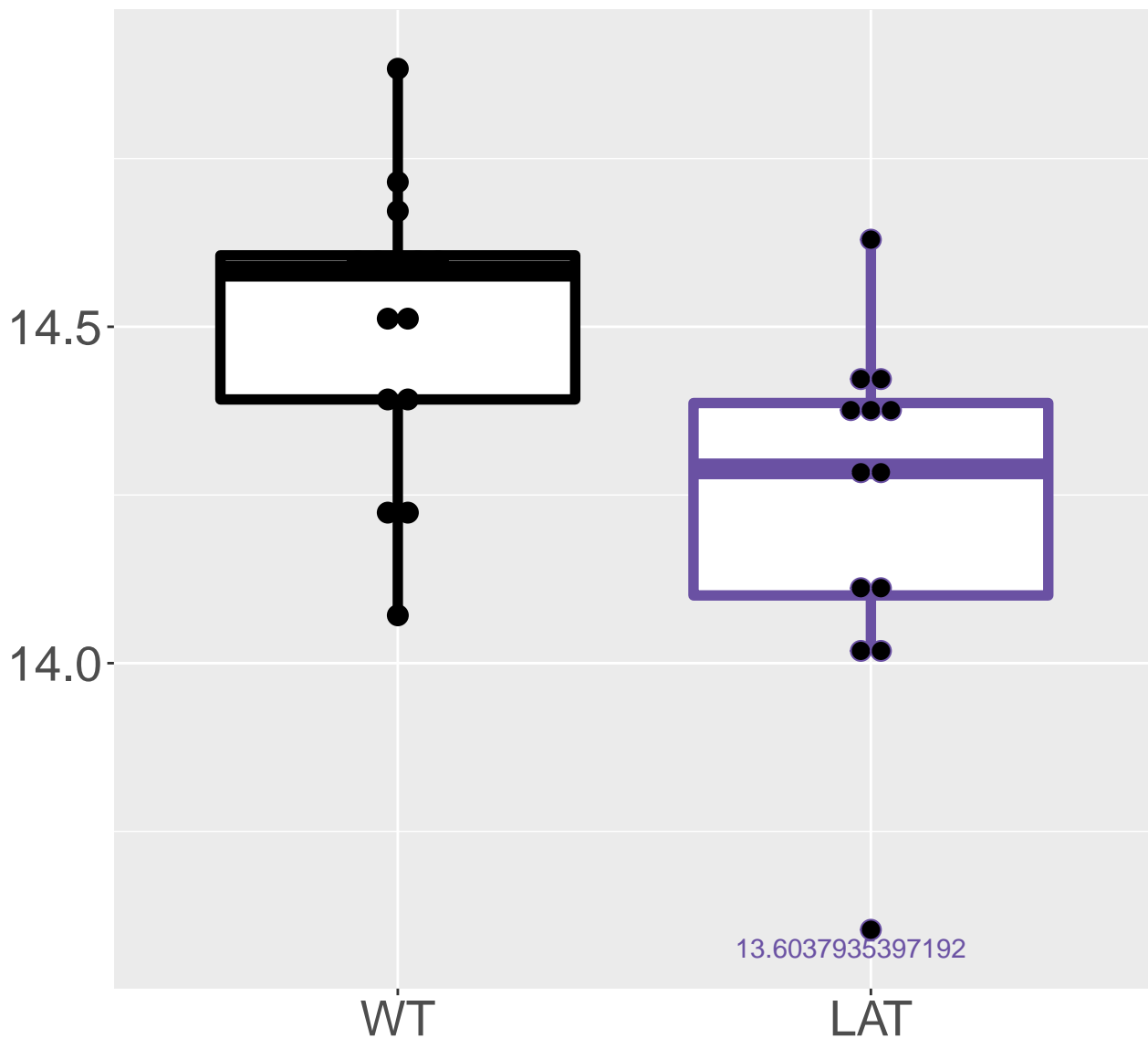


**M168.6188T113.21\_7**  
**FDR = 0.032, FC = -0.63**



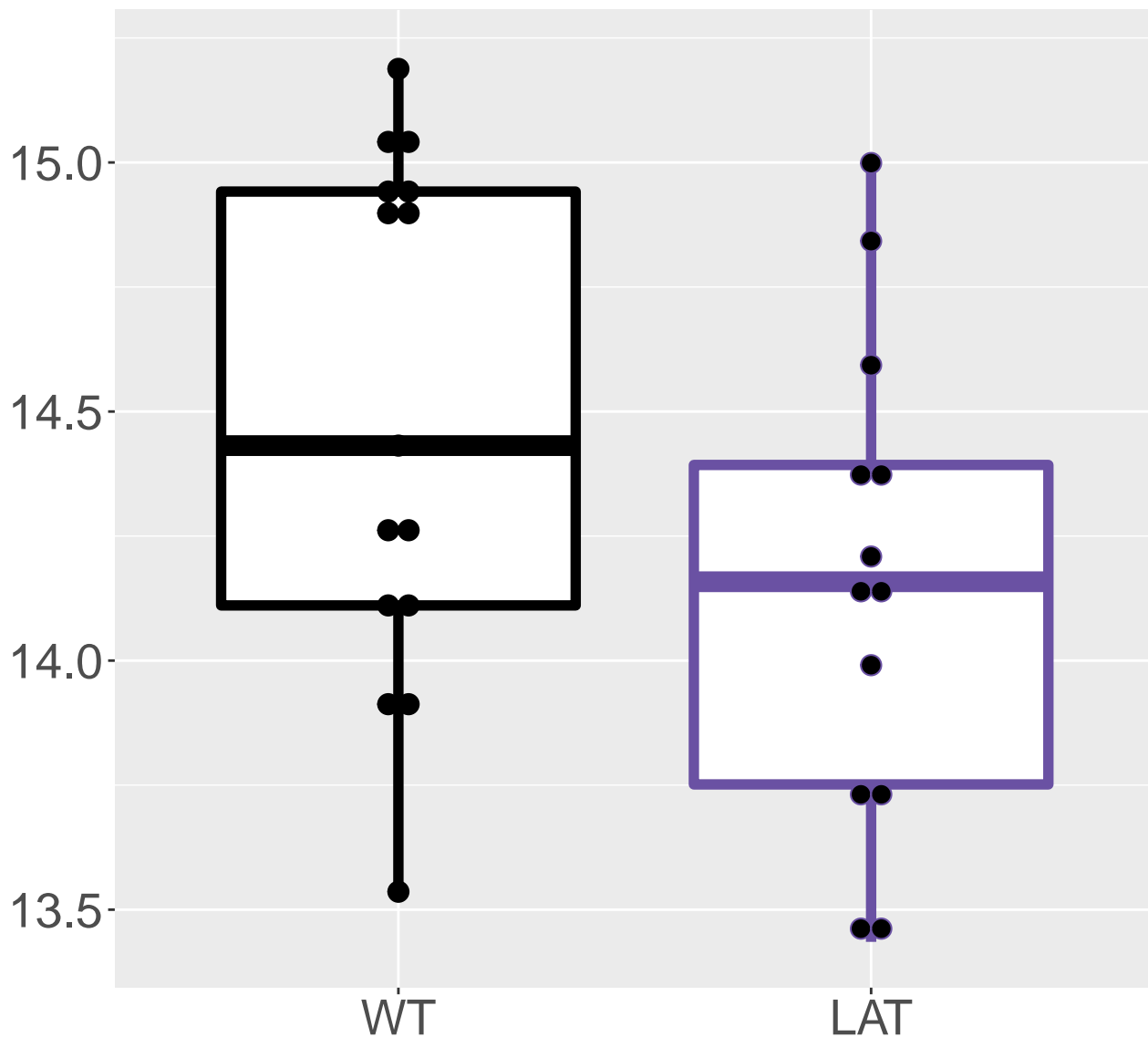


**M307.0166T42.74\_2**  
**FDR = 0.032, FC = -0.27**



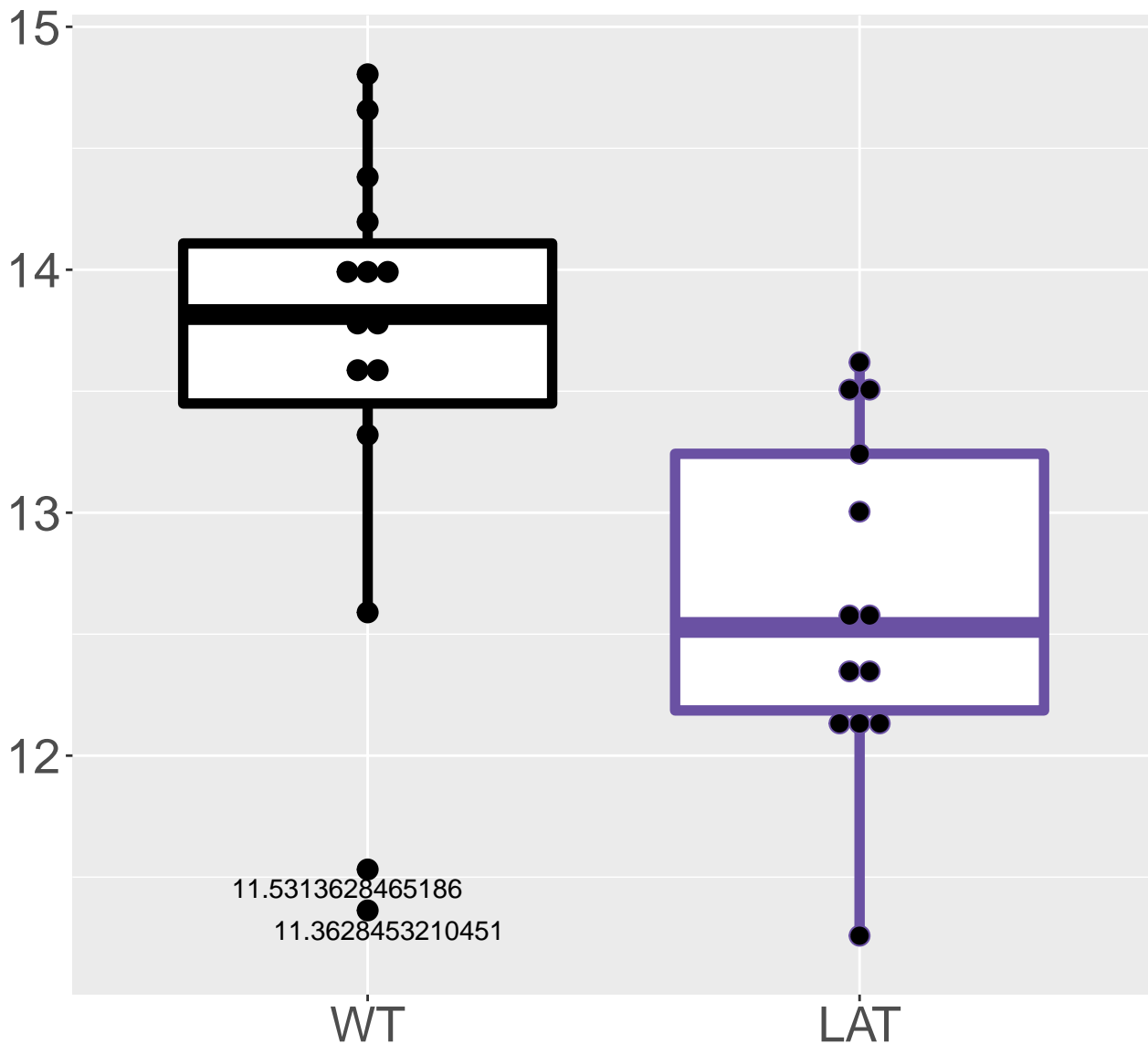
**M332.1837T253.68**

**FDR = 0.032, FC = -0.34, sex\*\***



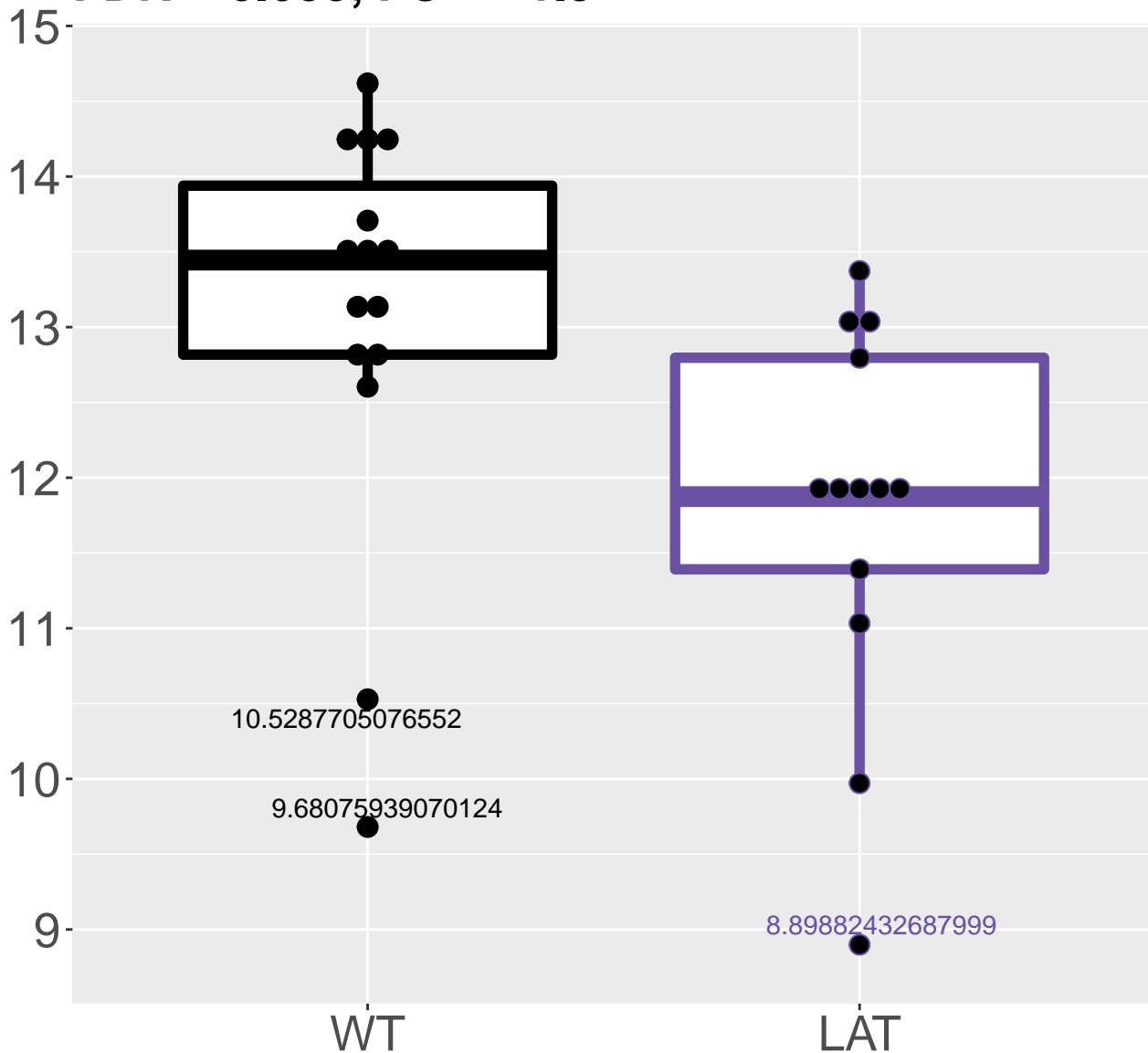
**M450.7353T251.31**

**FDR = 0.033, FC = -0.92**



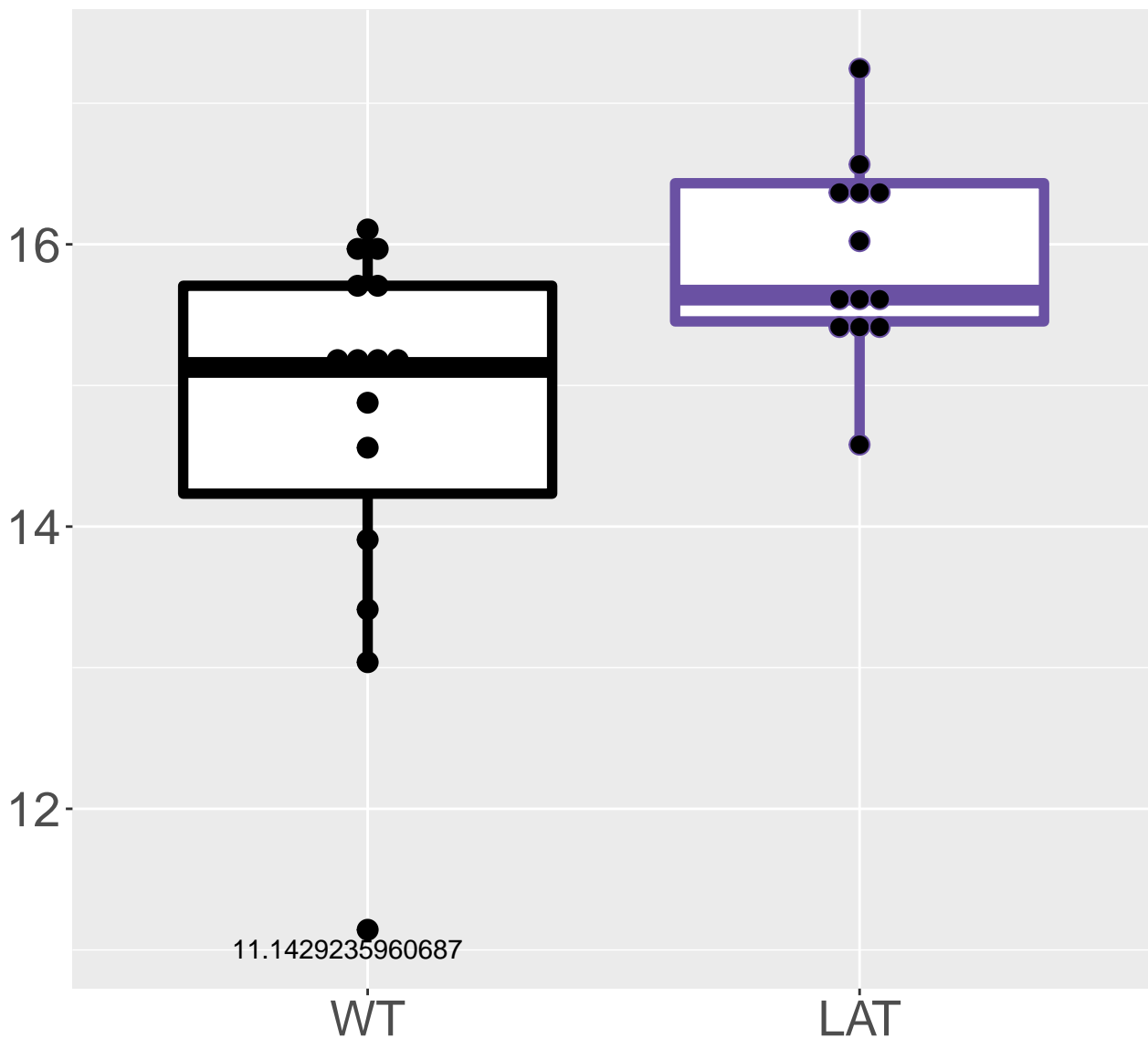
**M618.1069T378.72**

**FDR = 0.033, FC = -1.3**

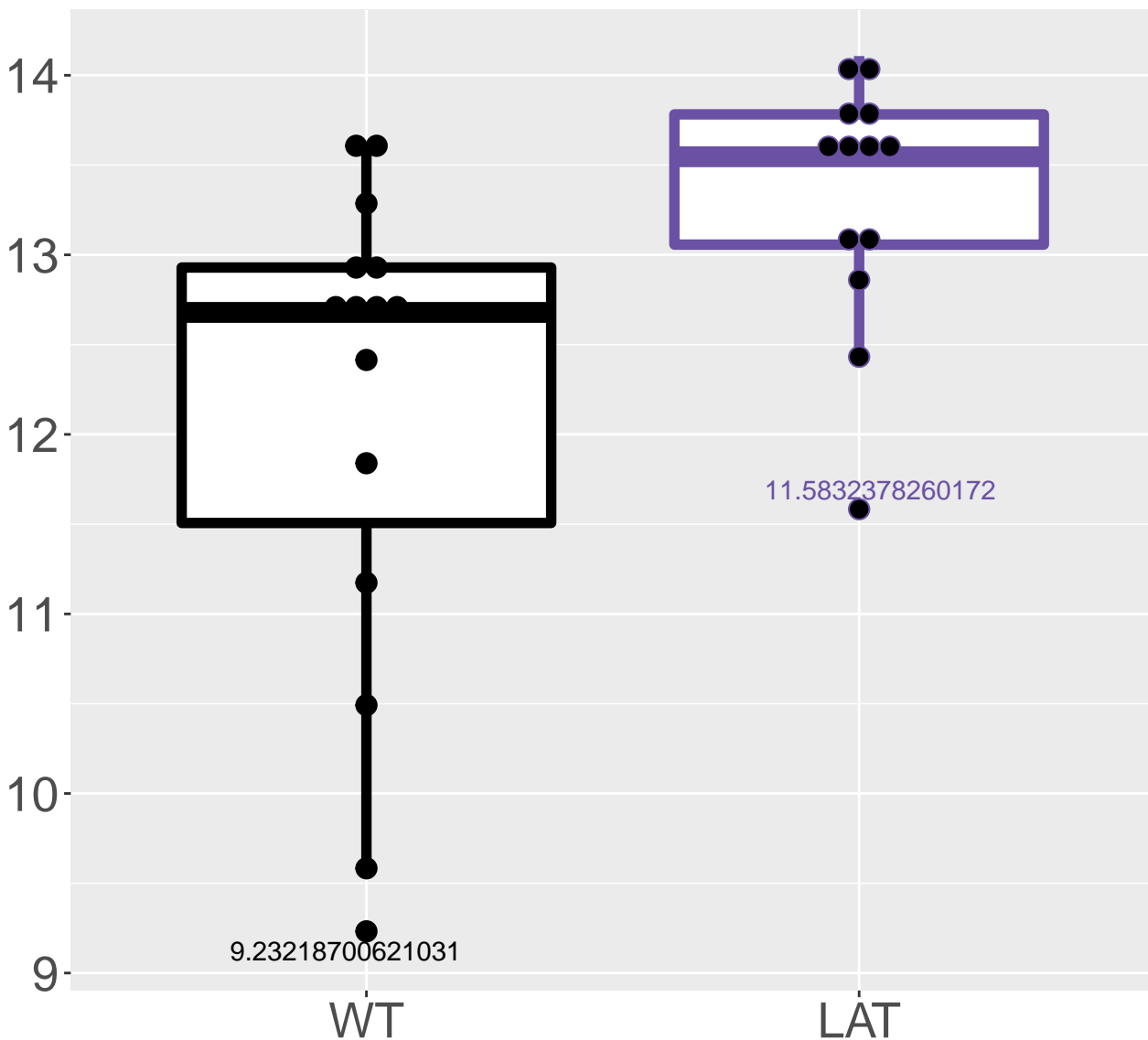


**M229.1436T452.06**

**FDR = 0.033, FC = 1.2**



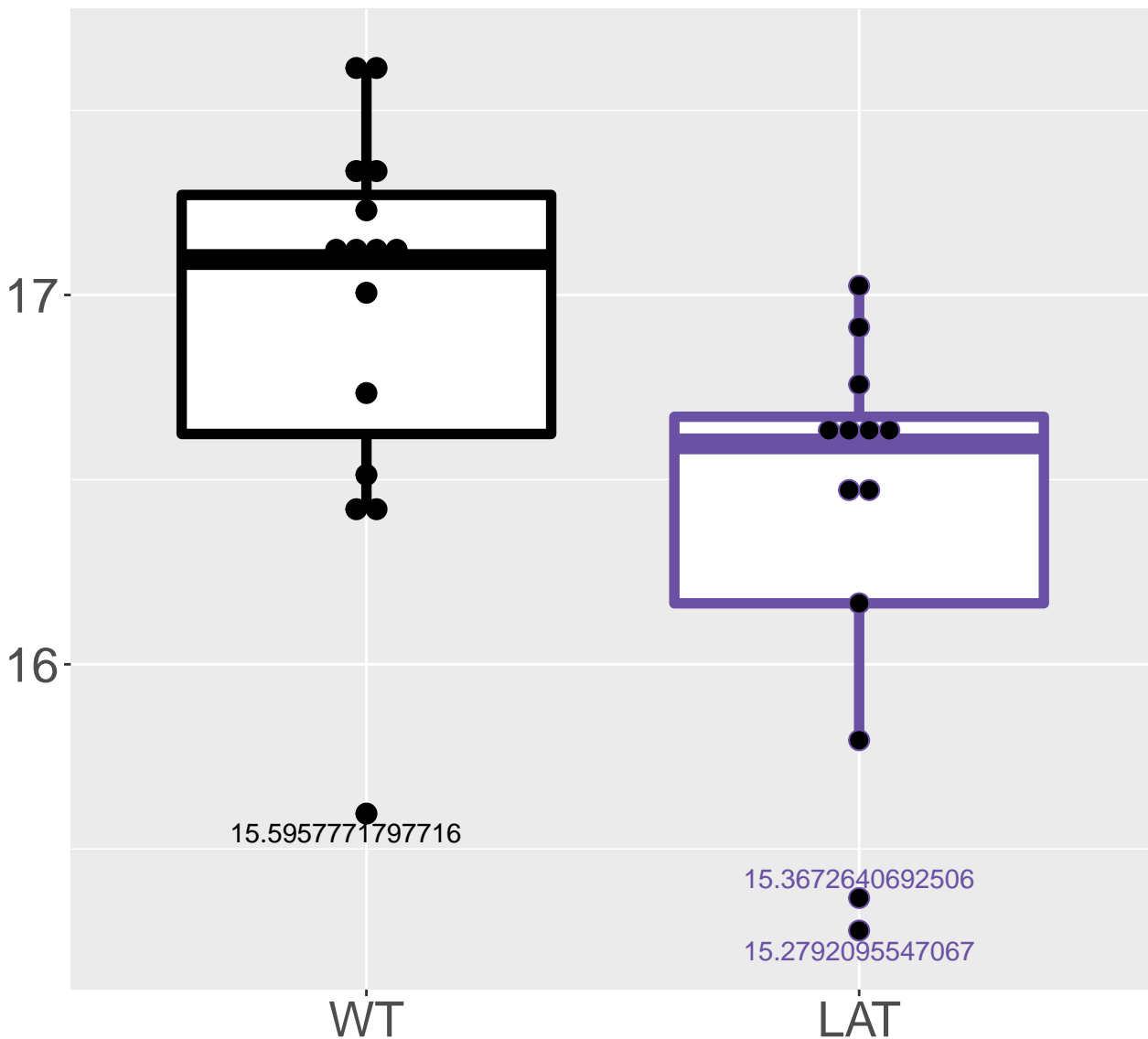
**FDR = 0.033, FC = 1.2**





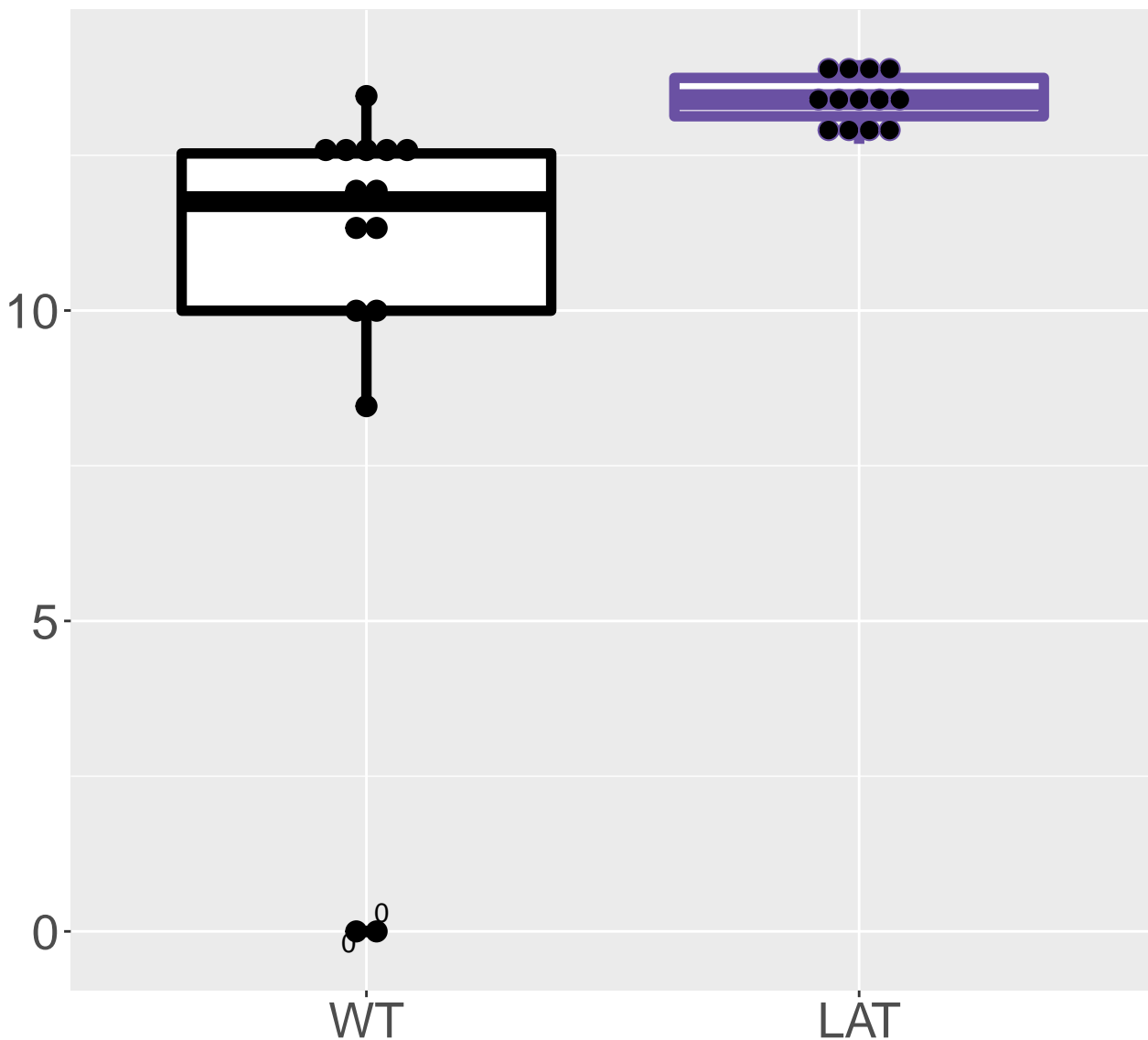
**M129.602T75.44\_6**

**FDR = 0.033, FC = -0.59**



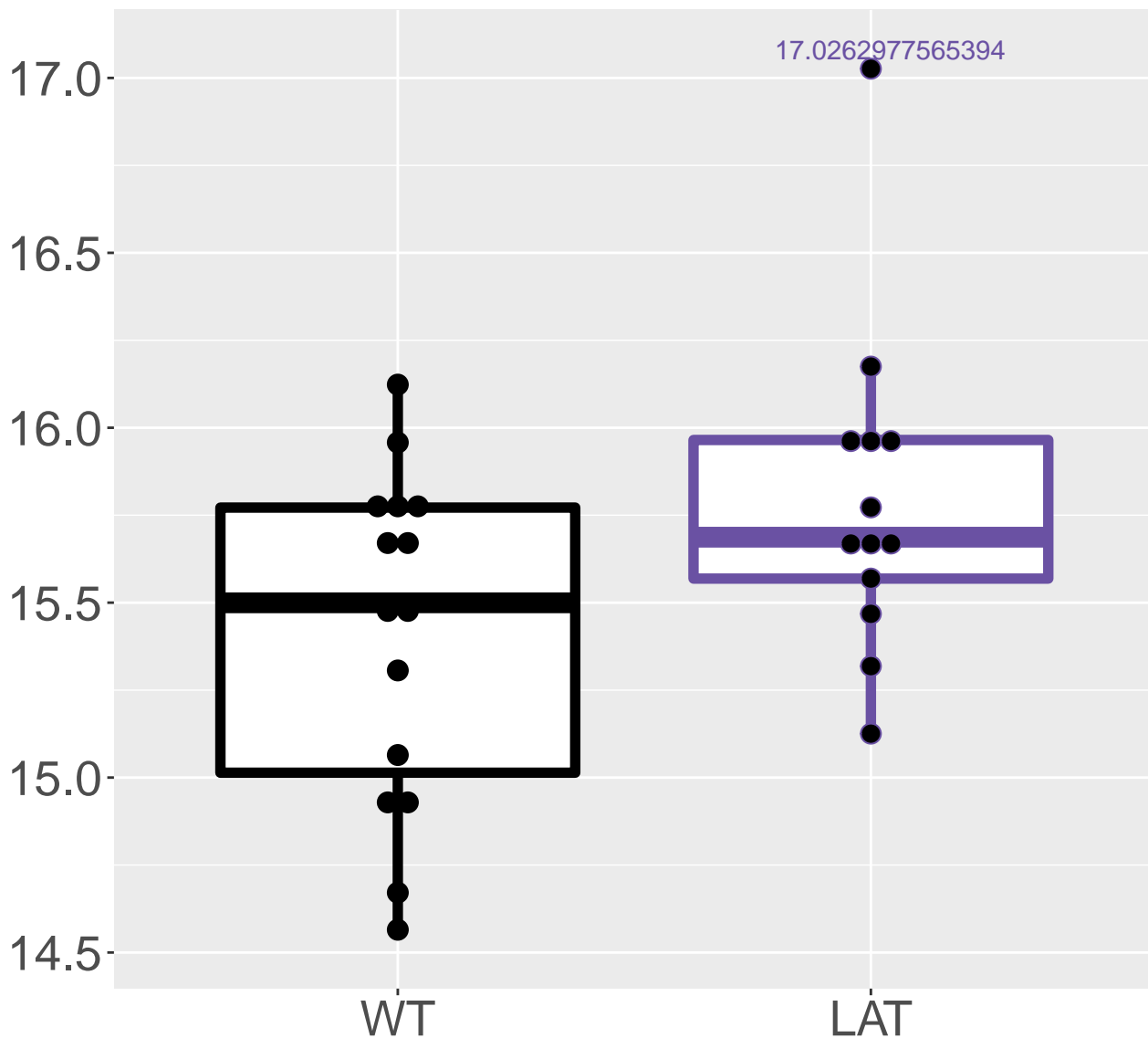
**M484.2524T93.31\_2**

**FDR = 0.033, FC = 3.3**

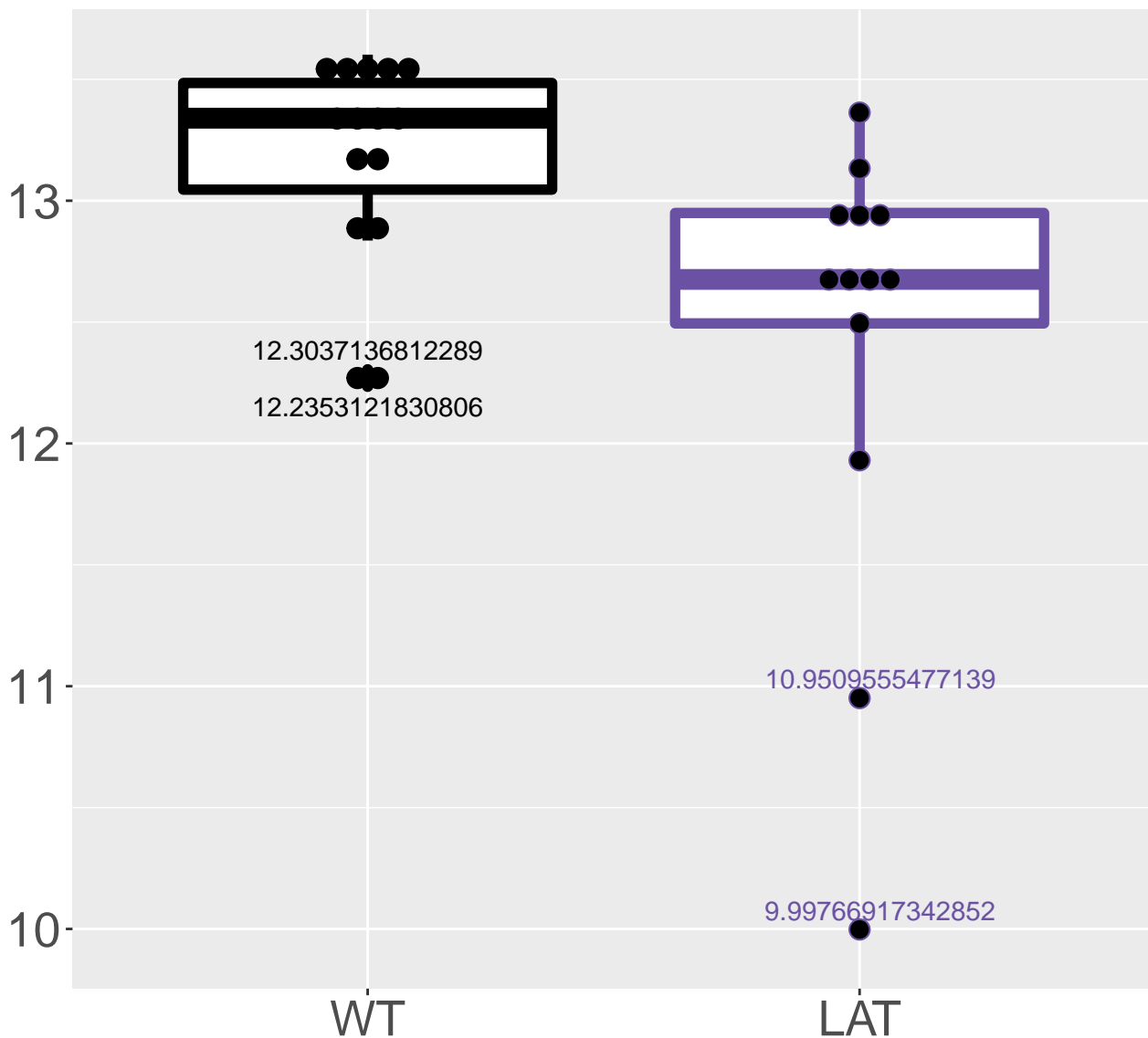


**M570.2154T487.82**

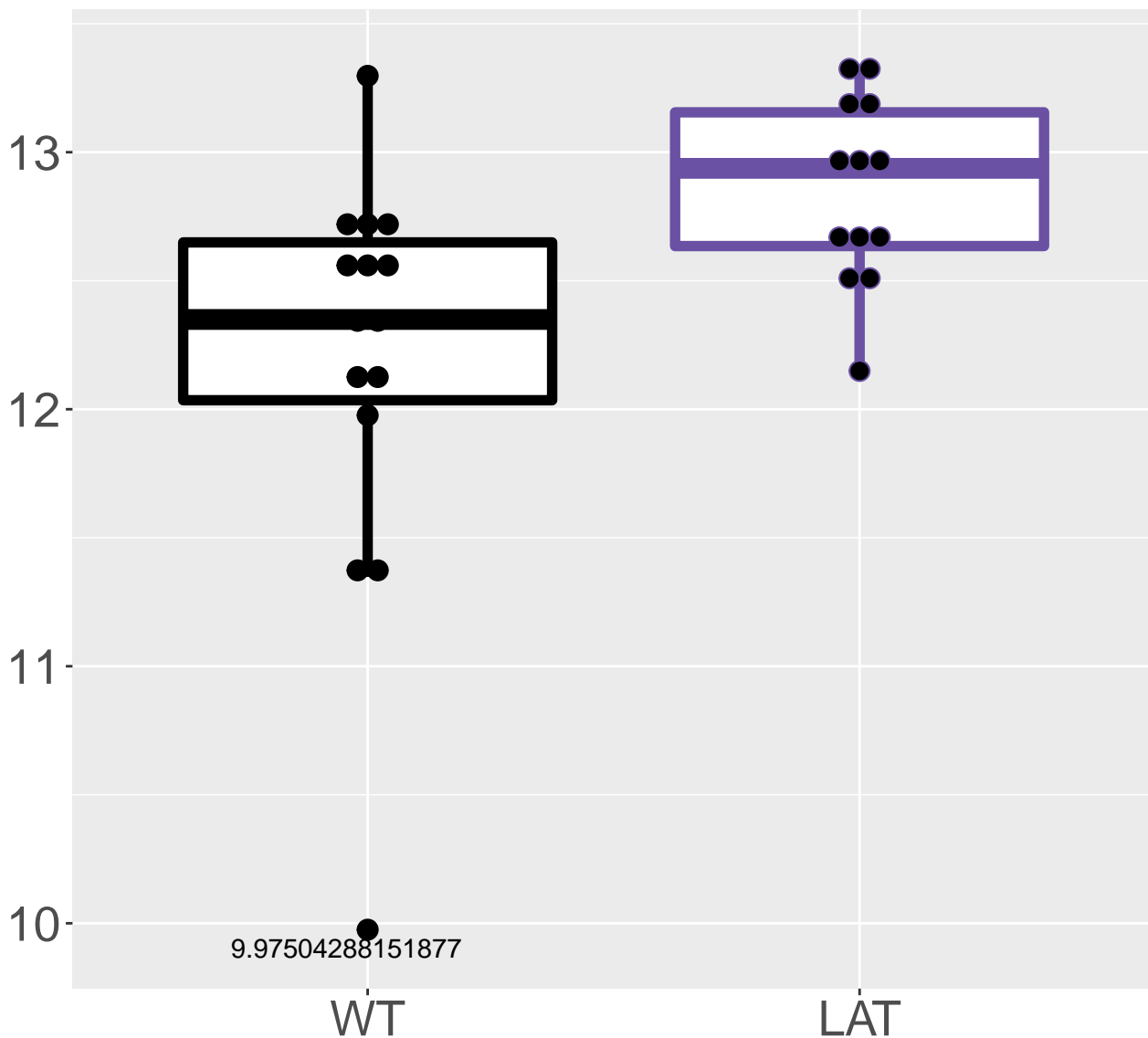
**FDR = 0.033, FC = 0.38, sex\***



**M202.3886T228.95\_10**  
**FDR = 0.033, FC = -0.76**

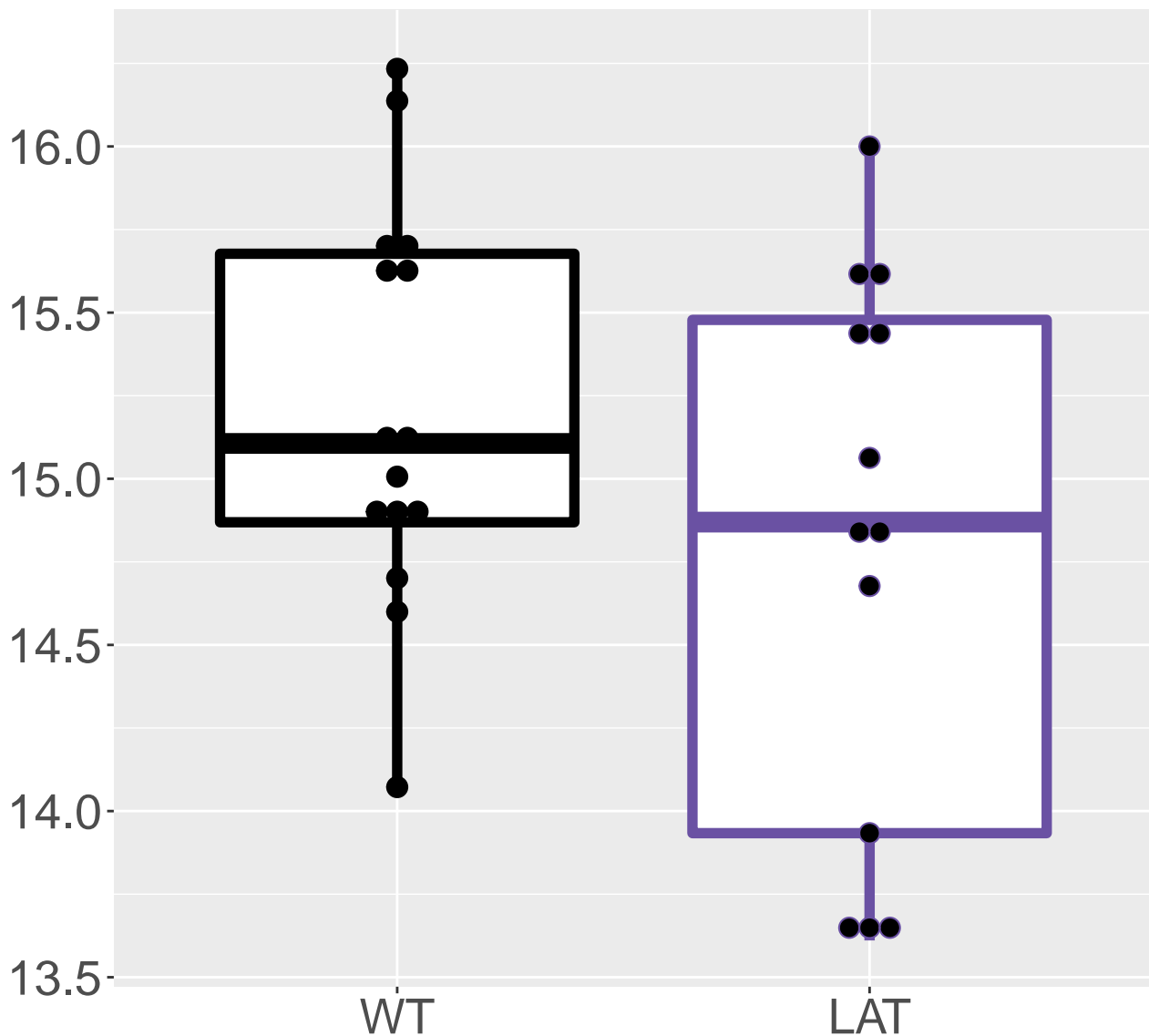


**M611.2451T92.17**  
**FDR = 0.033, FC = 0.67**



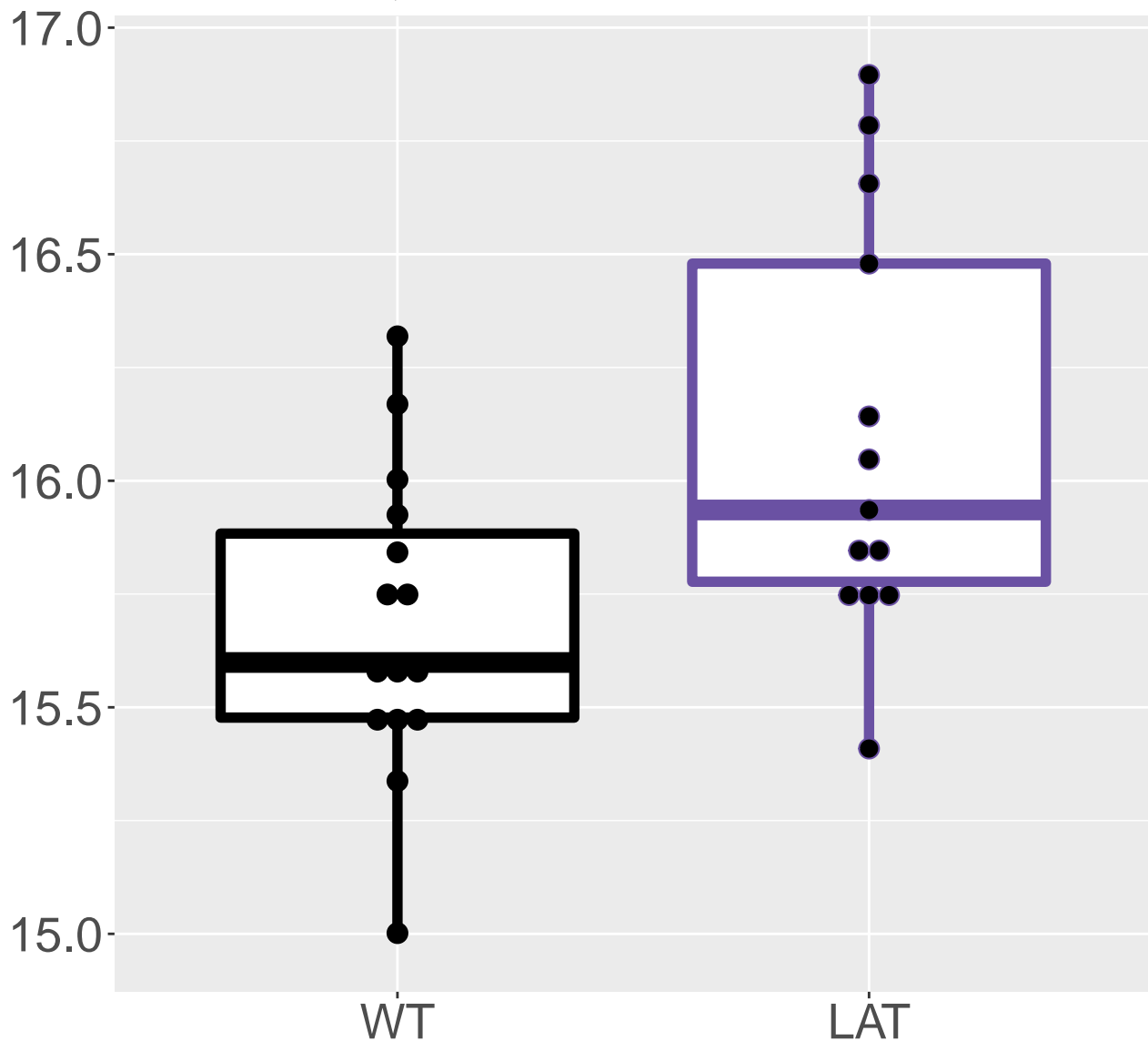
**M350.1042T332.44**

**FDR = 0.033, FC = -0.42, sex\*\*\***

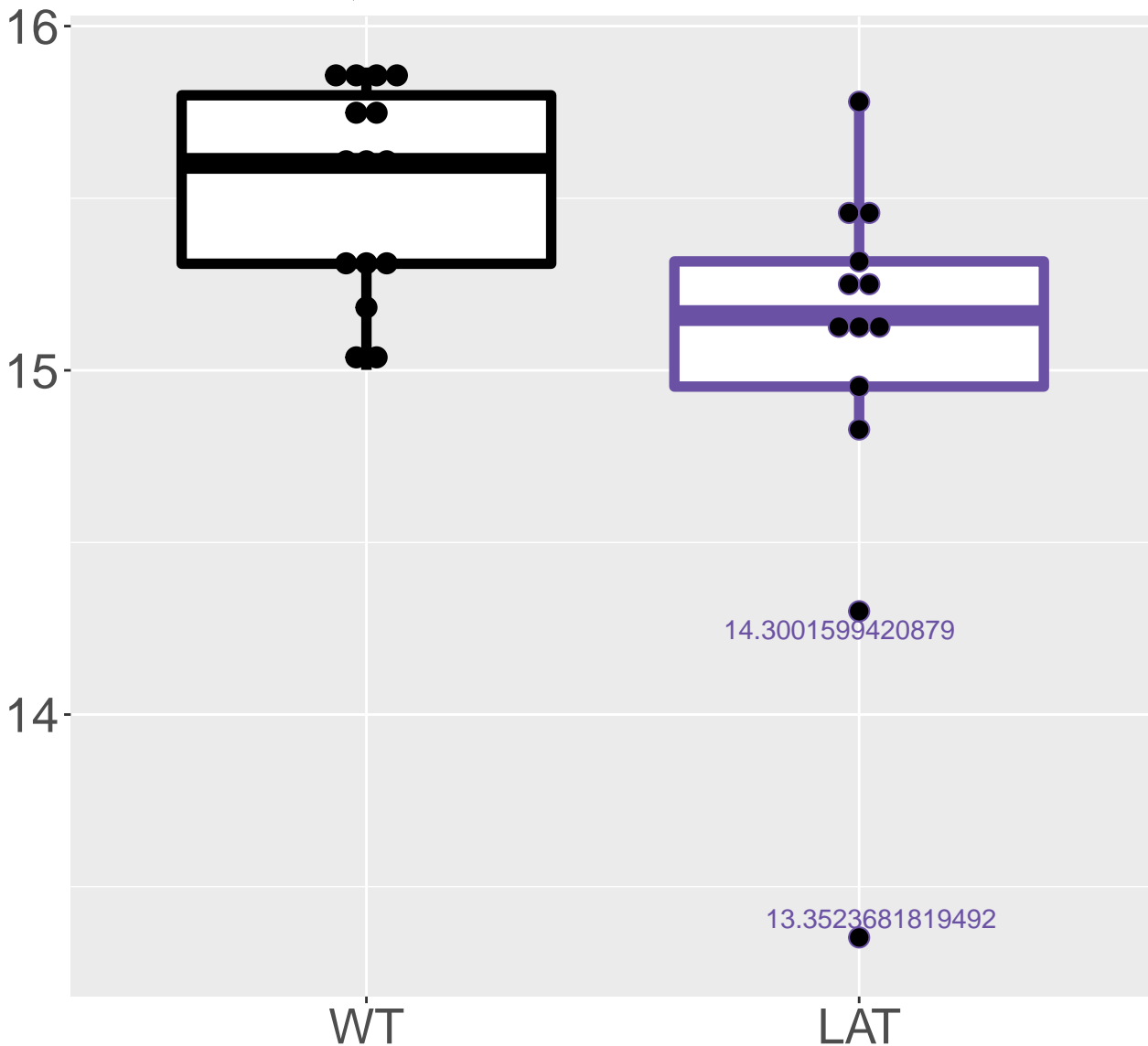


**M342.1327T71.99**

**FDR = 0.033, FC = 0.42**



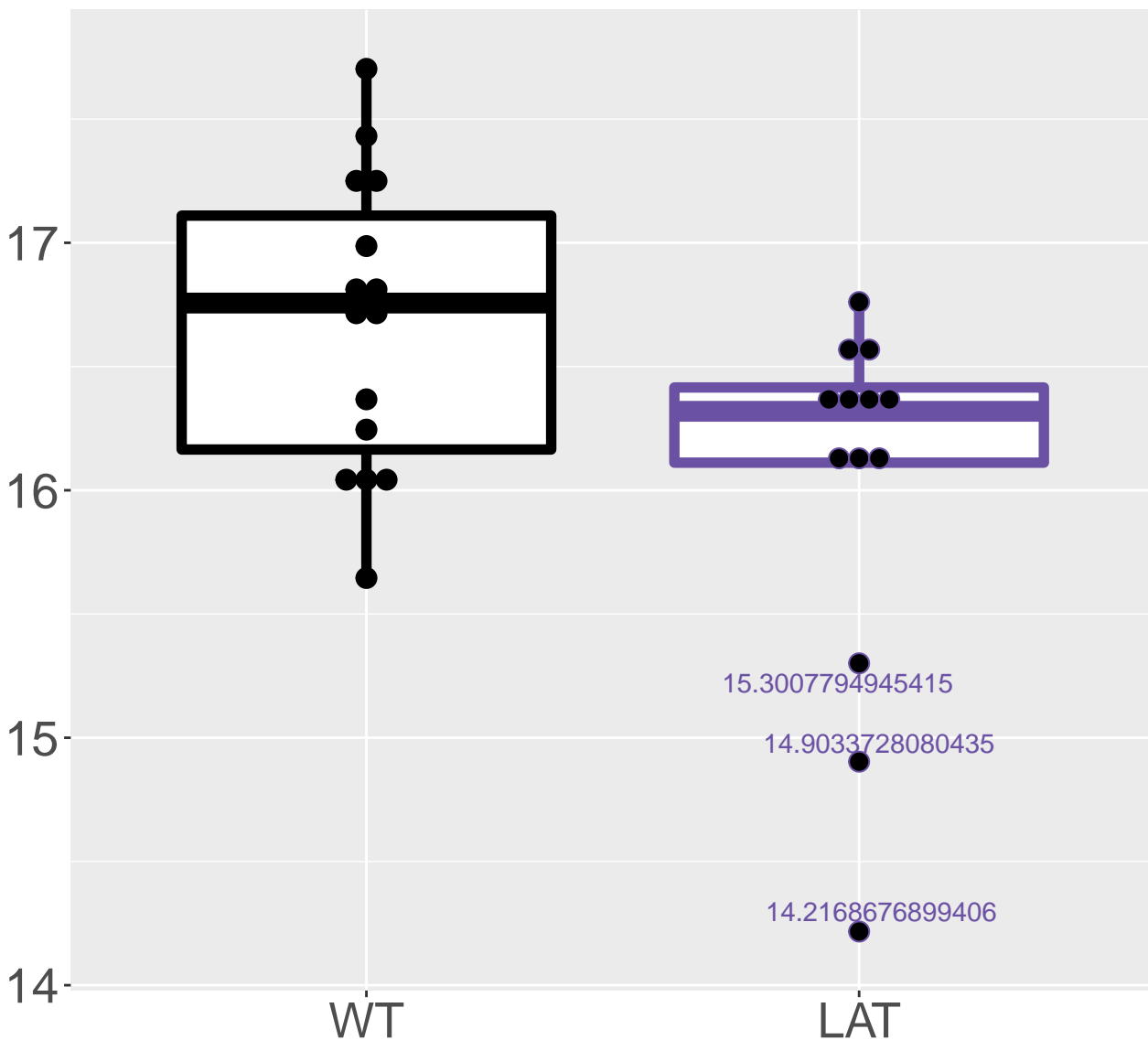
**M156.5078T113.2\_1**  
**FDR = 0.033, FC = -0.51**





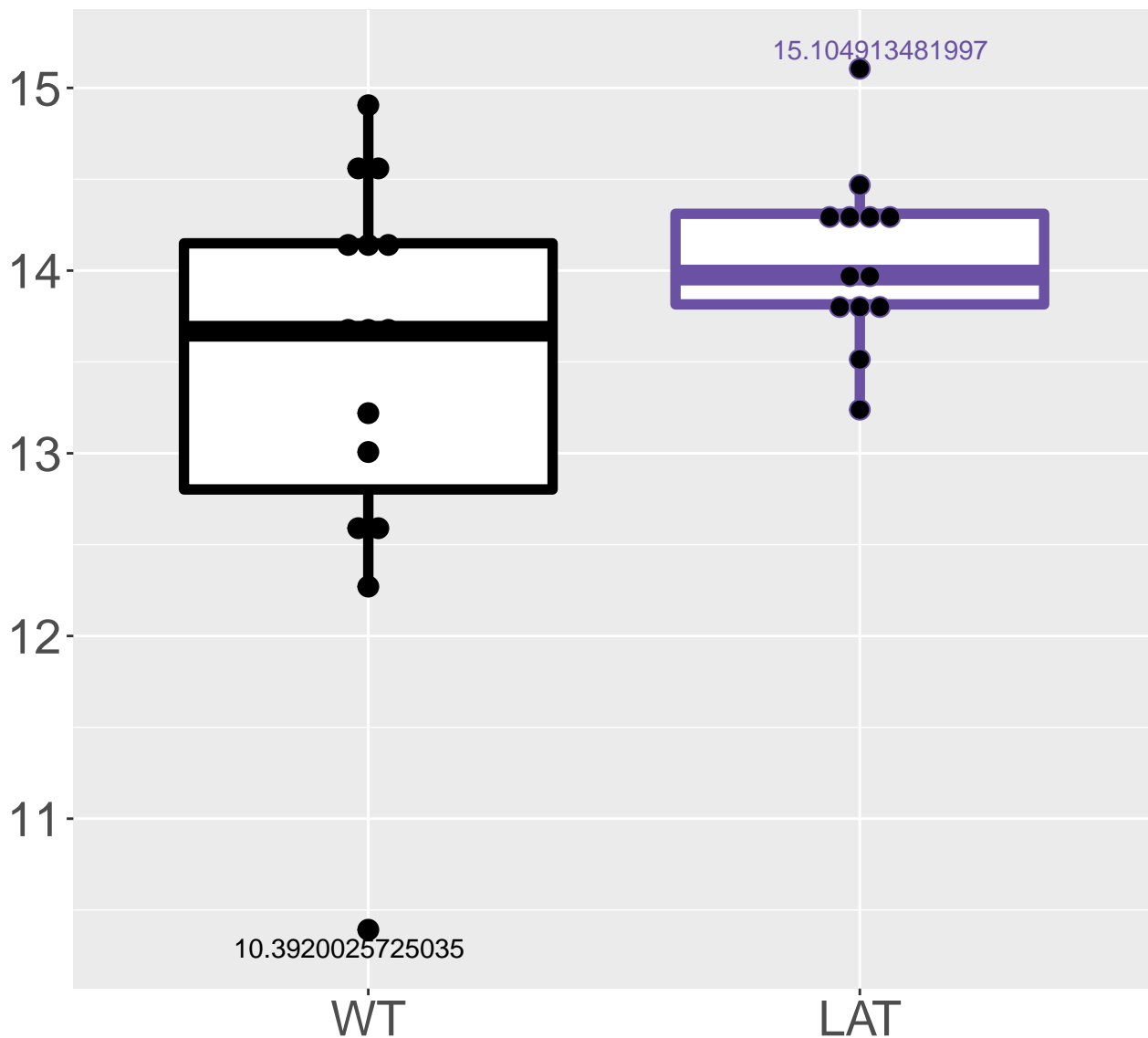
**M129.133T75.45\_35**

**FDR = 0.034, FC = -0.66**

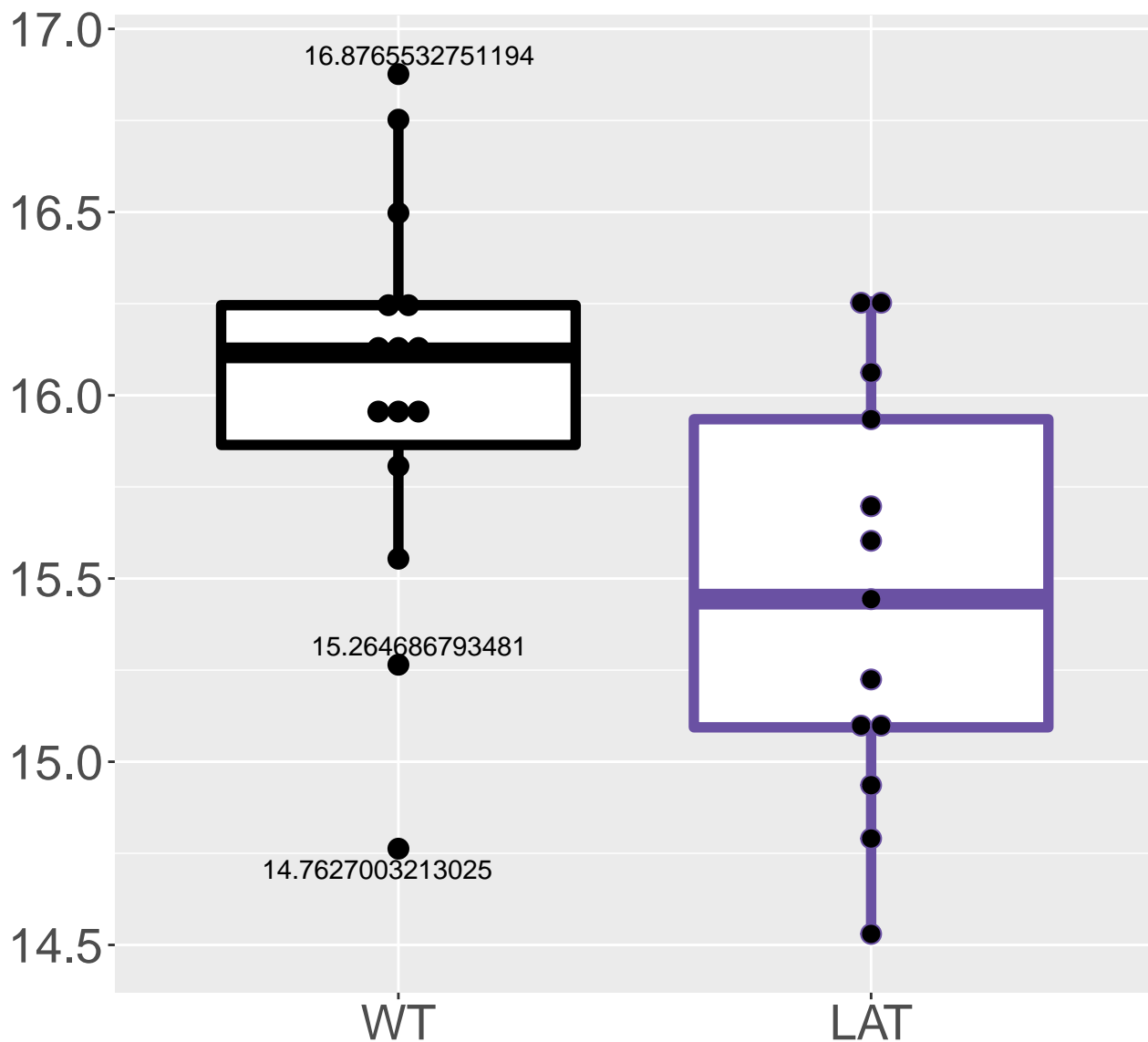


**M558.2688T487.72**

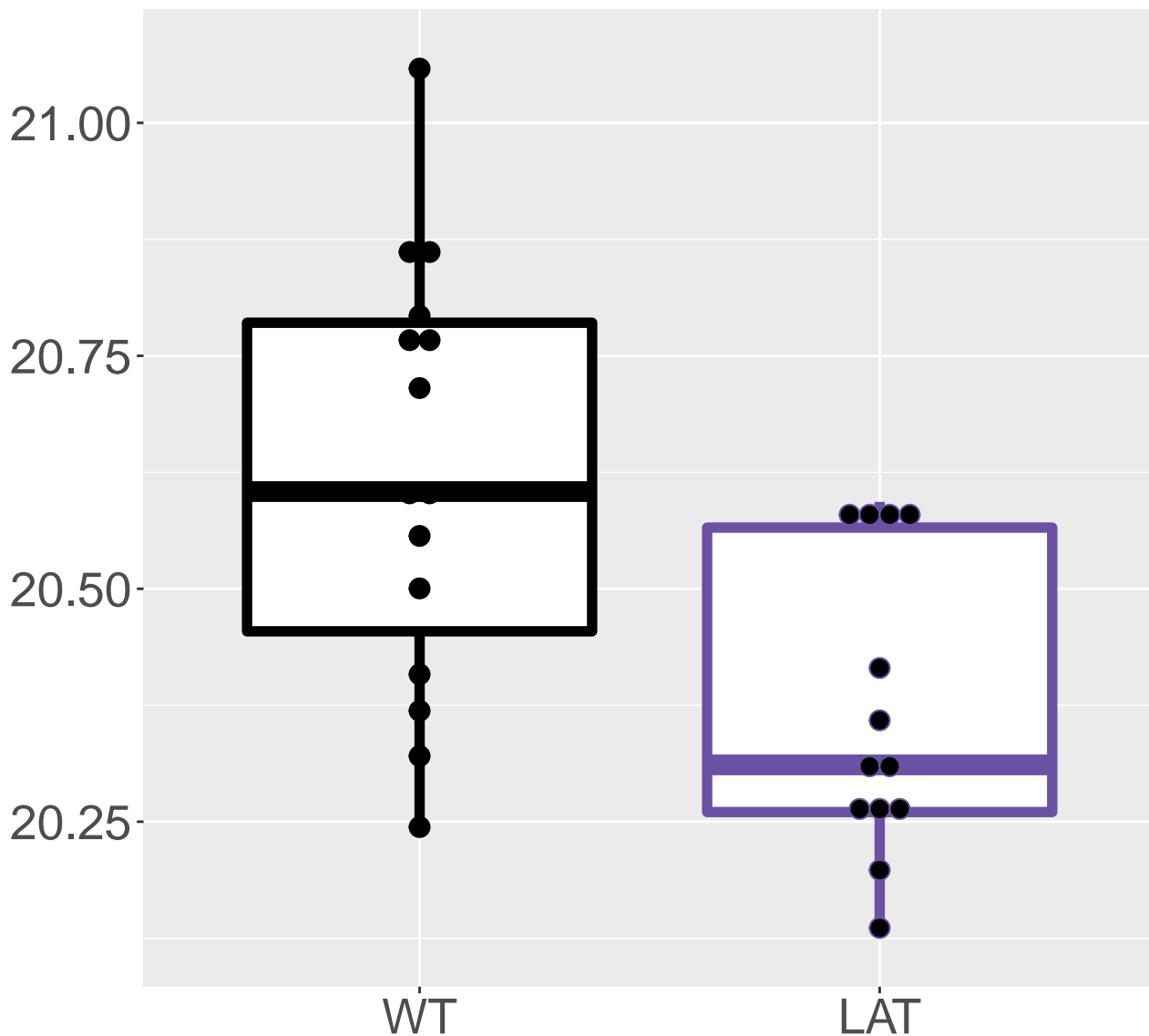
**FDR = 0.034, FC = 0.64, sex\*\***



**M163.0735T113.19\_29**  
**FDR = 0.034, FC = -0.56**

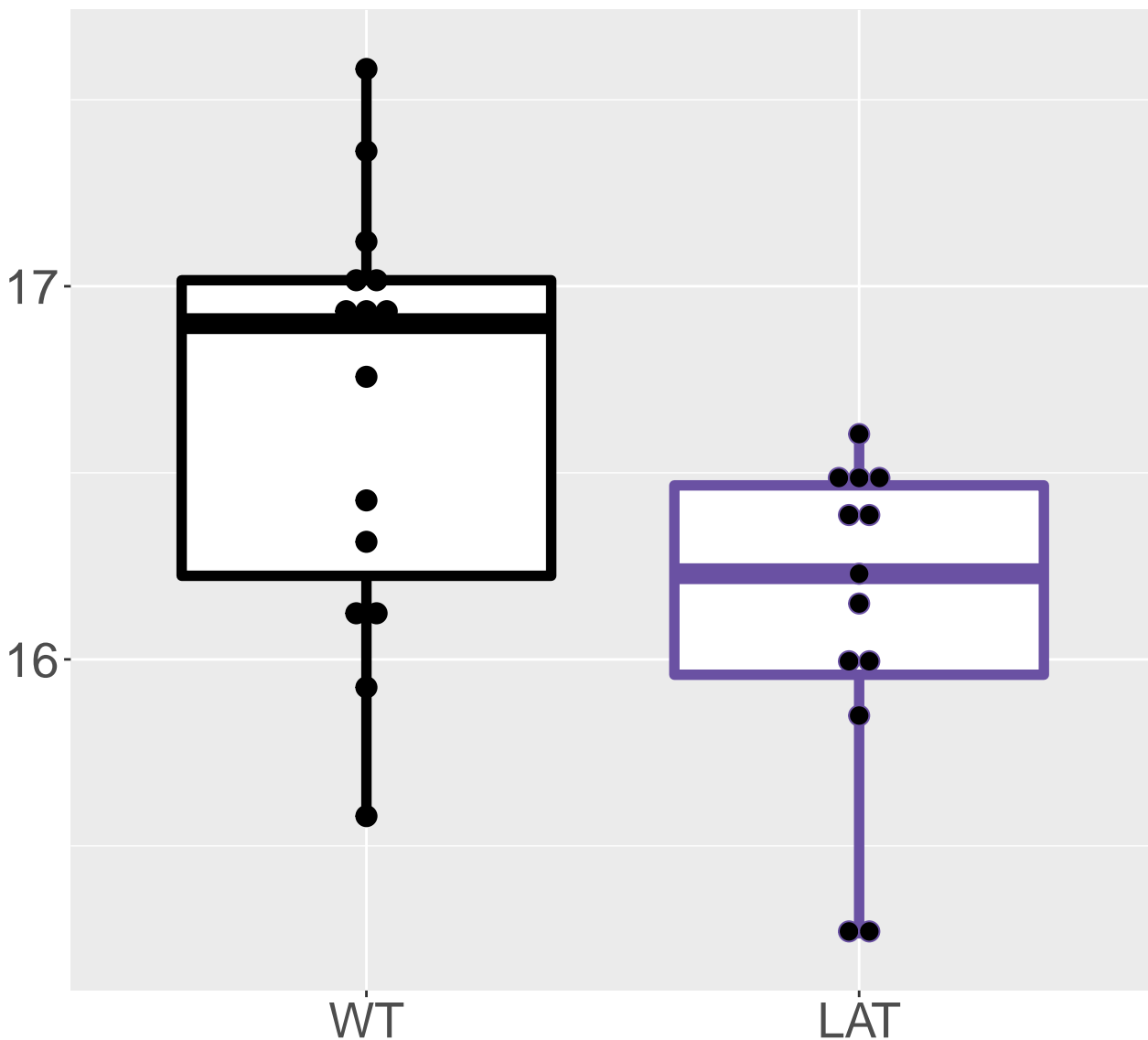


**M705.3907T371.41\_7**  
**FDR = 0.034, FC = -0.26**



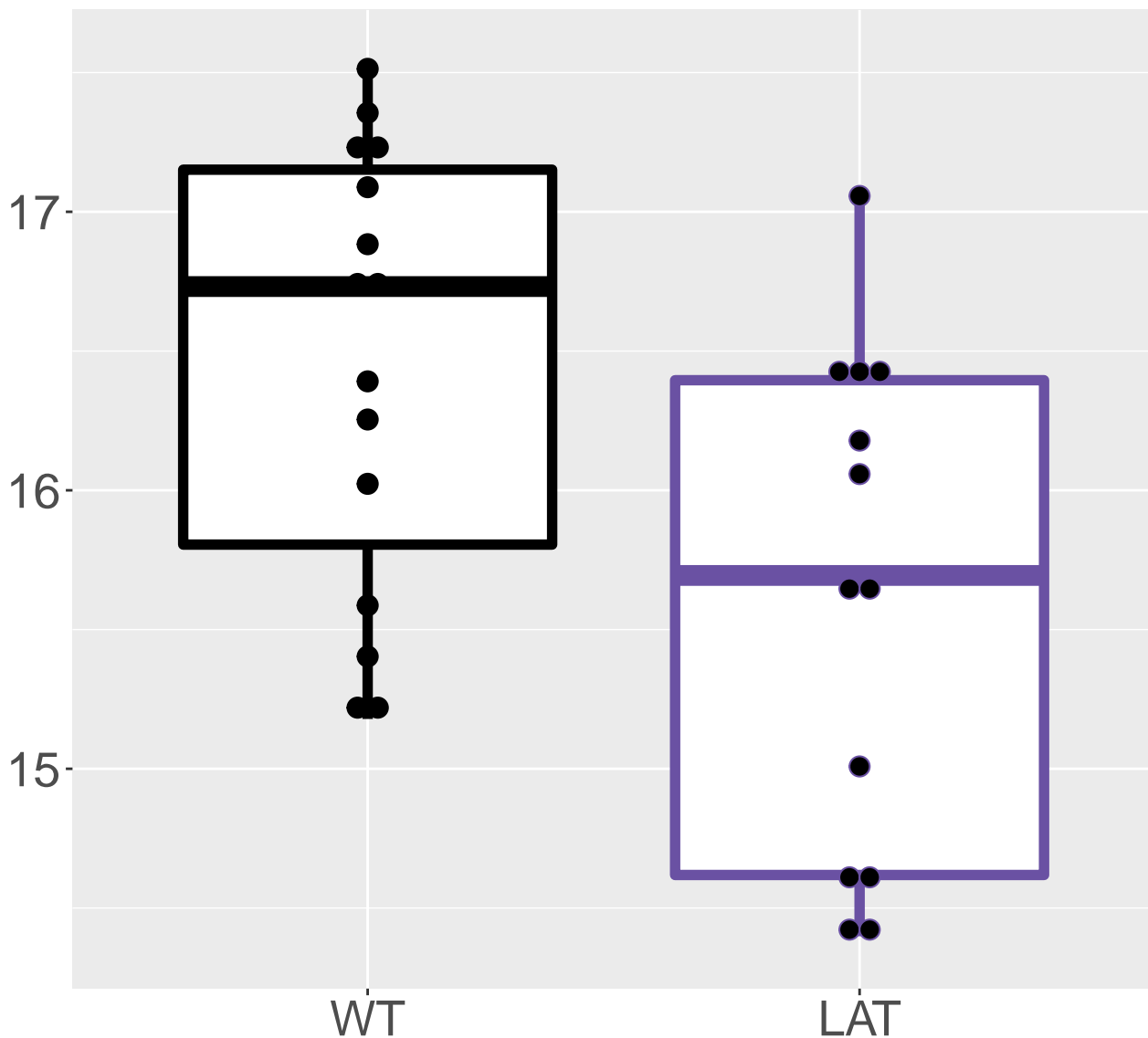
**M128.6878T75.47\_9**

**FDR = 0.034, FC = -0.55**



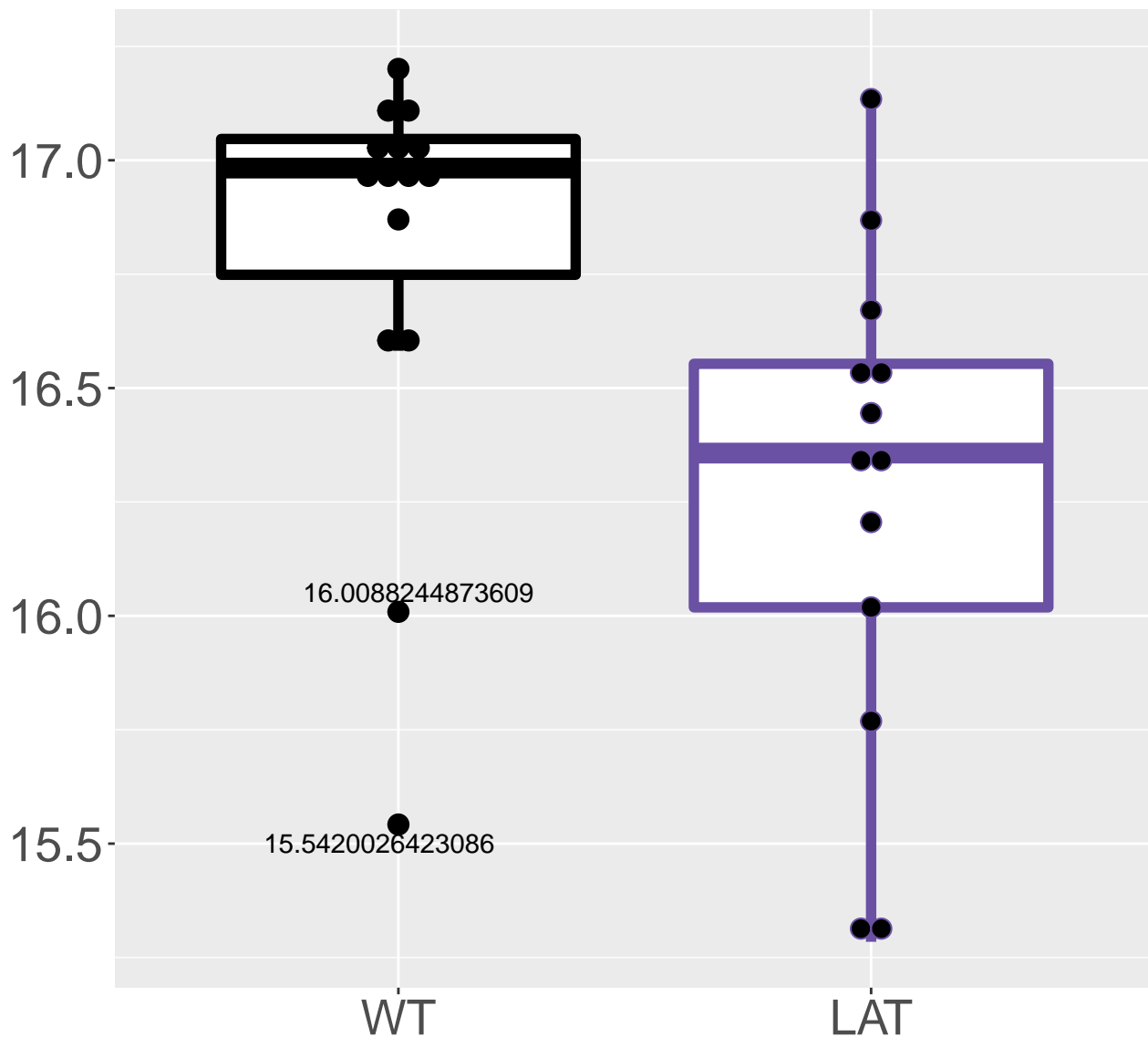
**M128.3888T75.39\_50**

**FDR = 0.034, FC = -0.85**



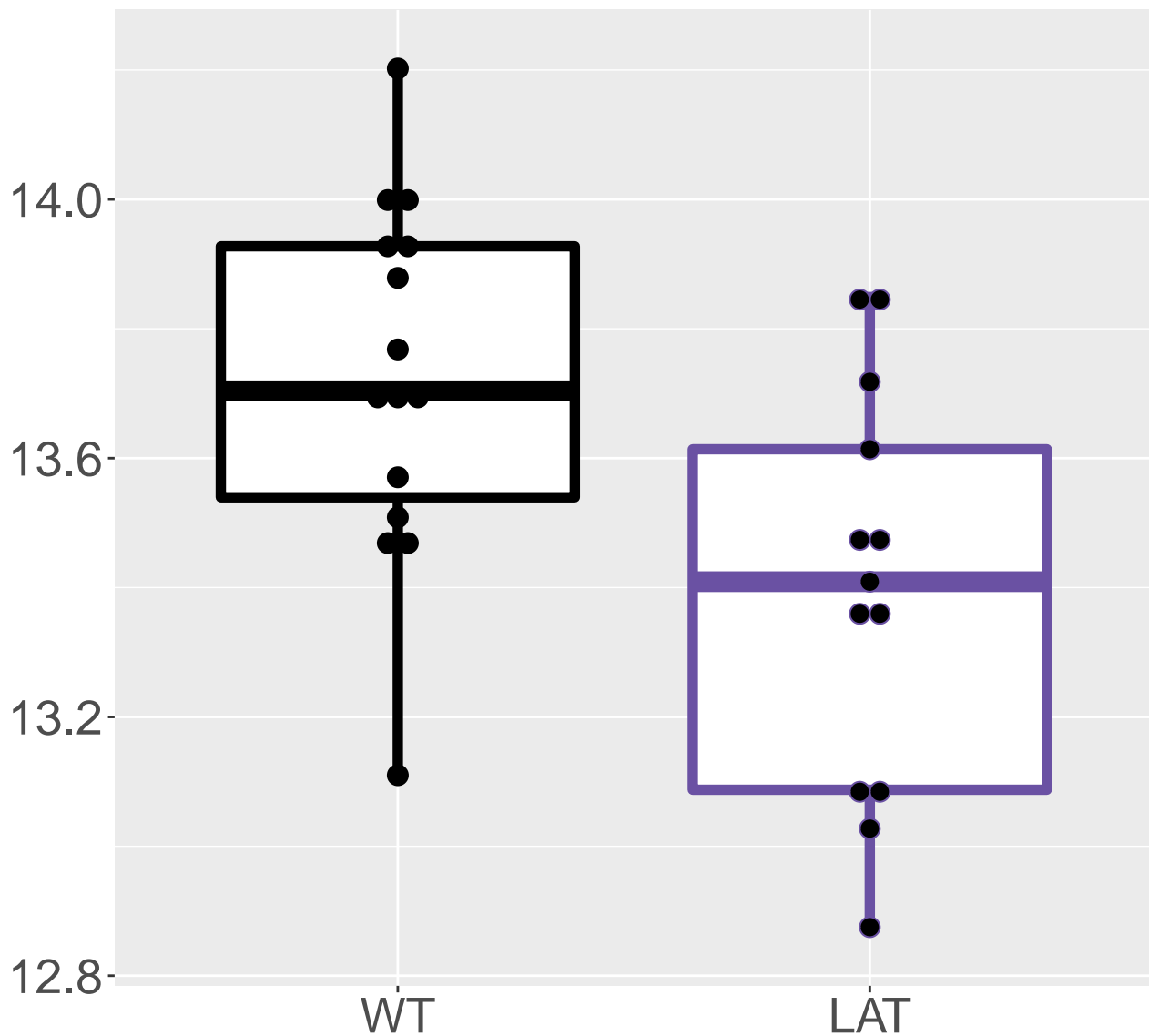
**M128.0433T75.48\_30**

**FDR = 0.034, FC = -0.53**



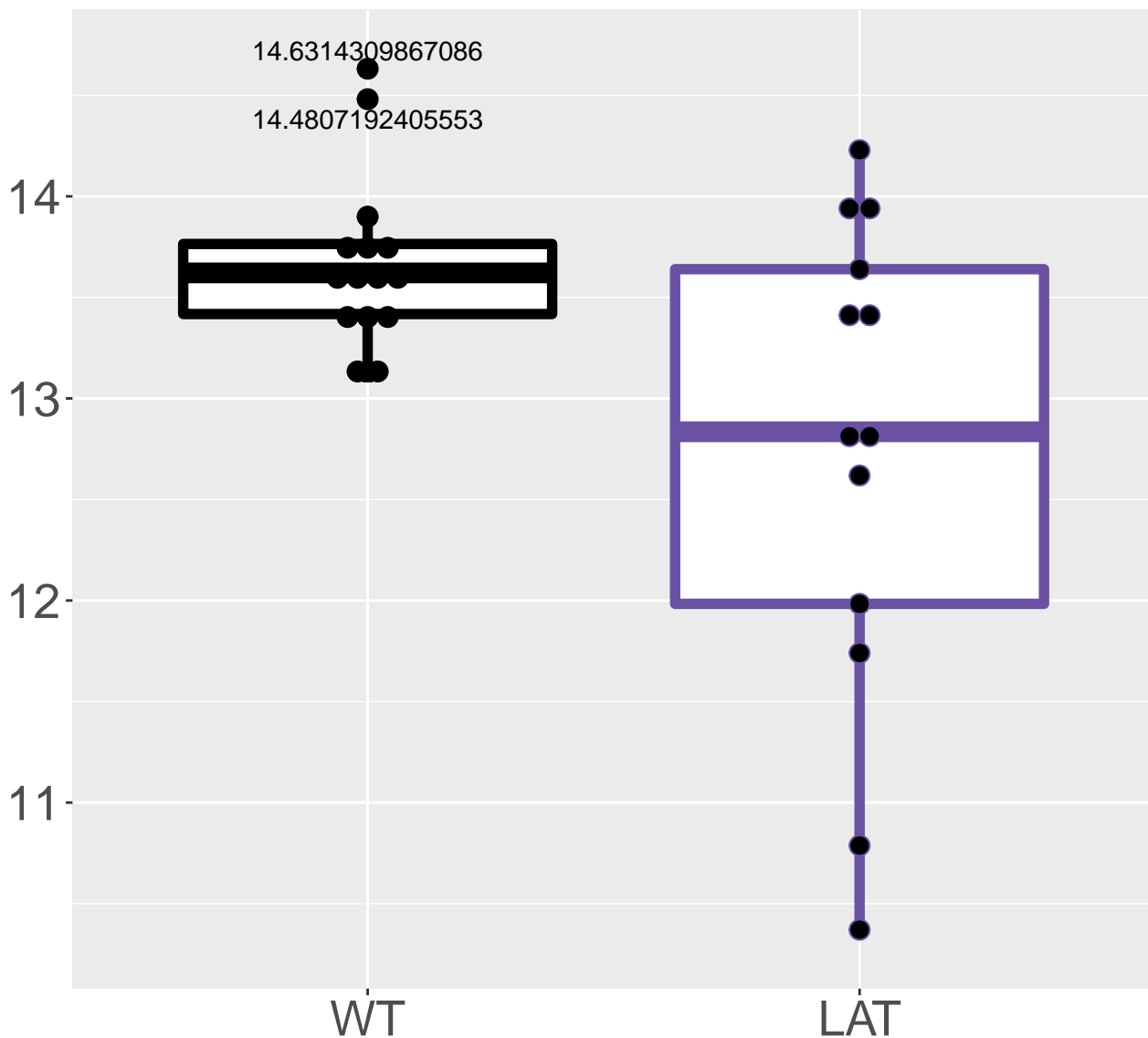
**M535.1105T251.22\_4**

**FDR = 0.034, FC = -0.33**

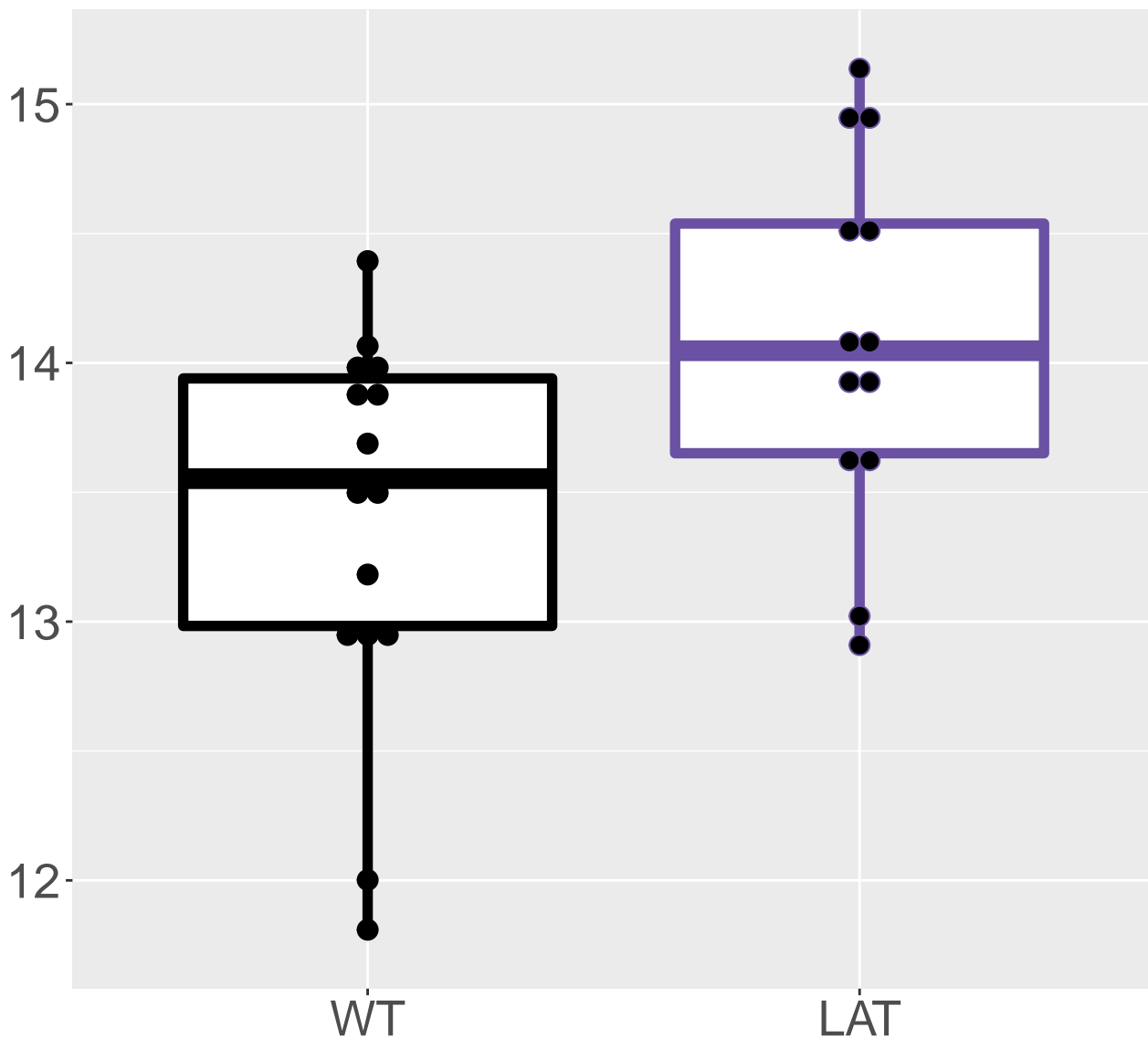




**M418.2491T291.38\_2**  
**FDR = 0.034, FC = -0.93**

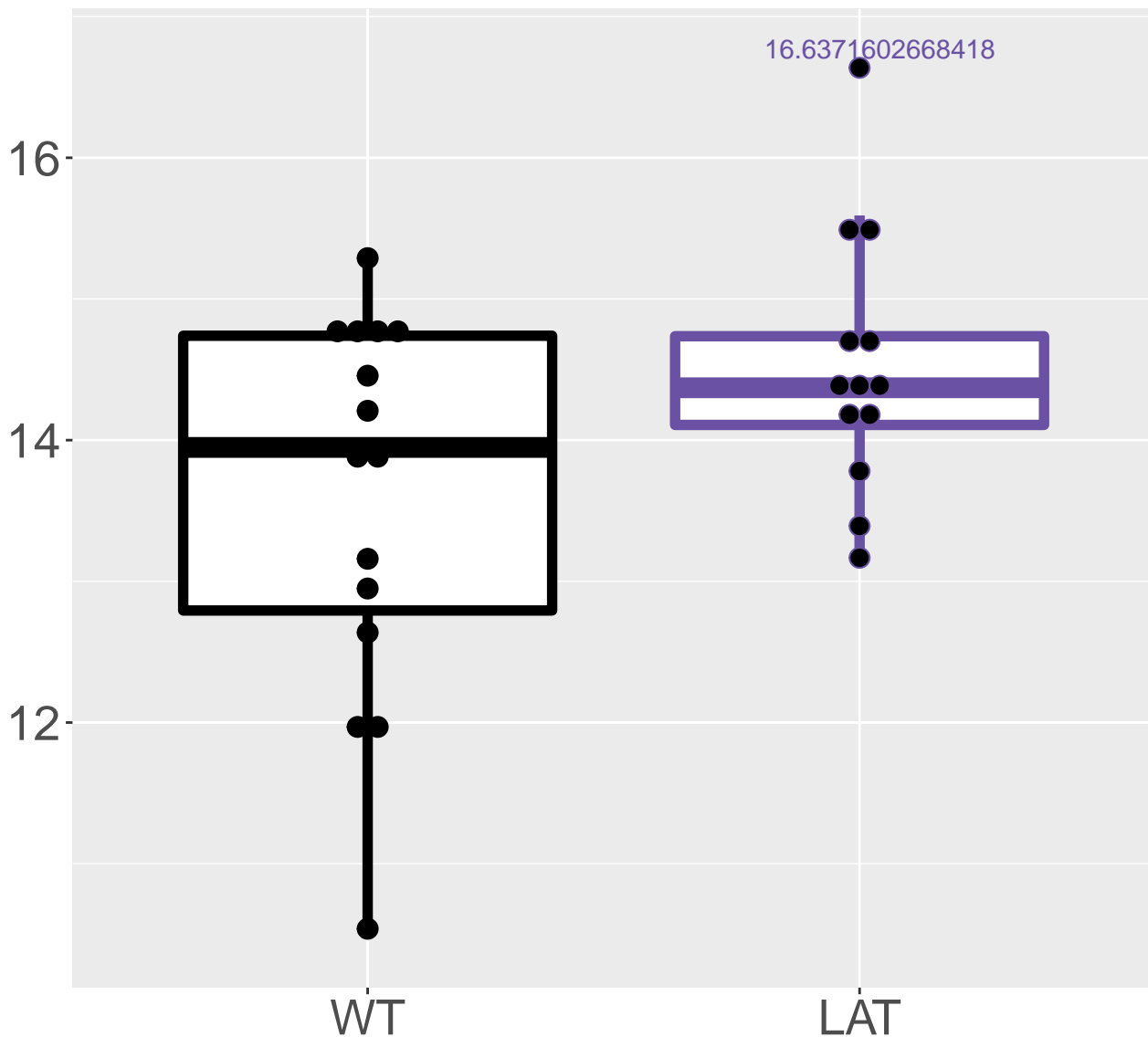


**M727.7885T311.25\_1**  
**FDR = 0.034, FC = 0.71**



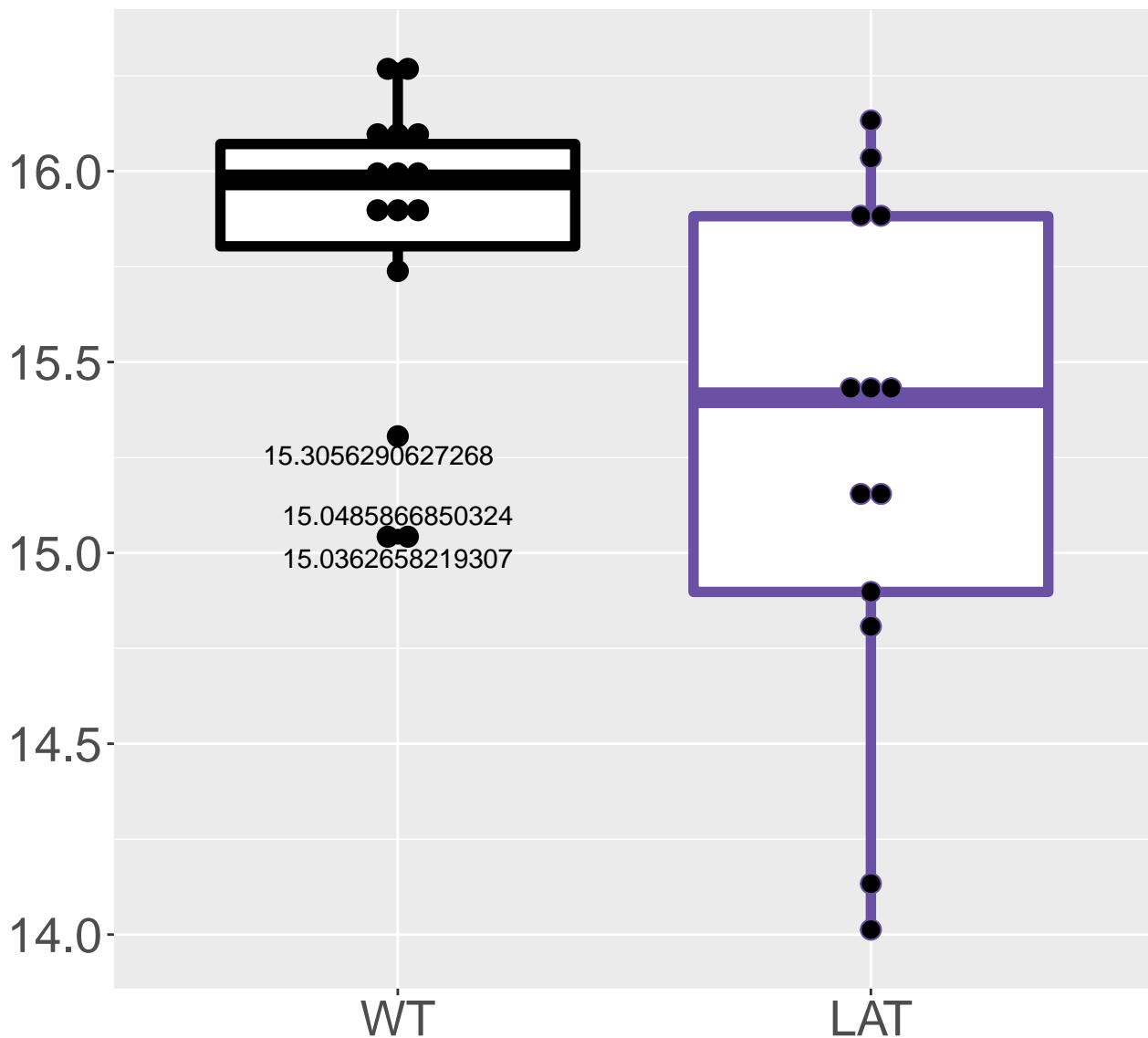
**M543.7586T487.56**

**FDR = 0.034, FC = 0.92, sex\***

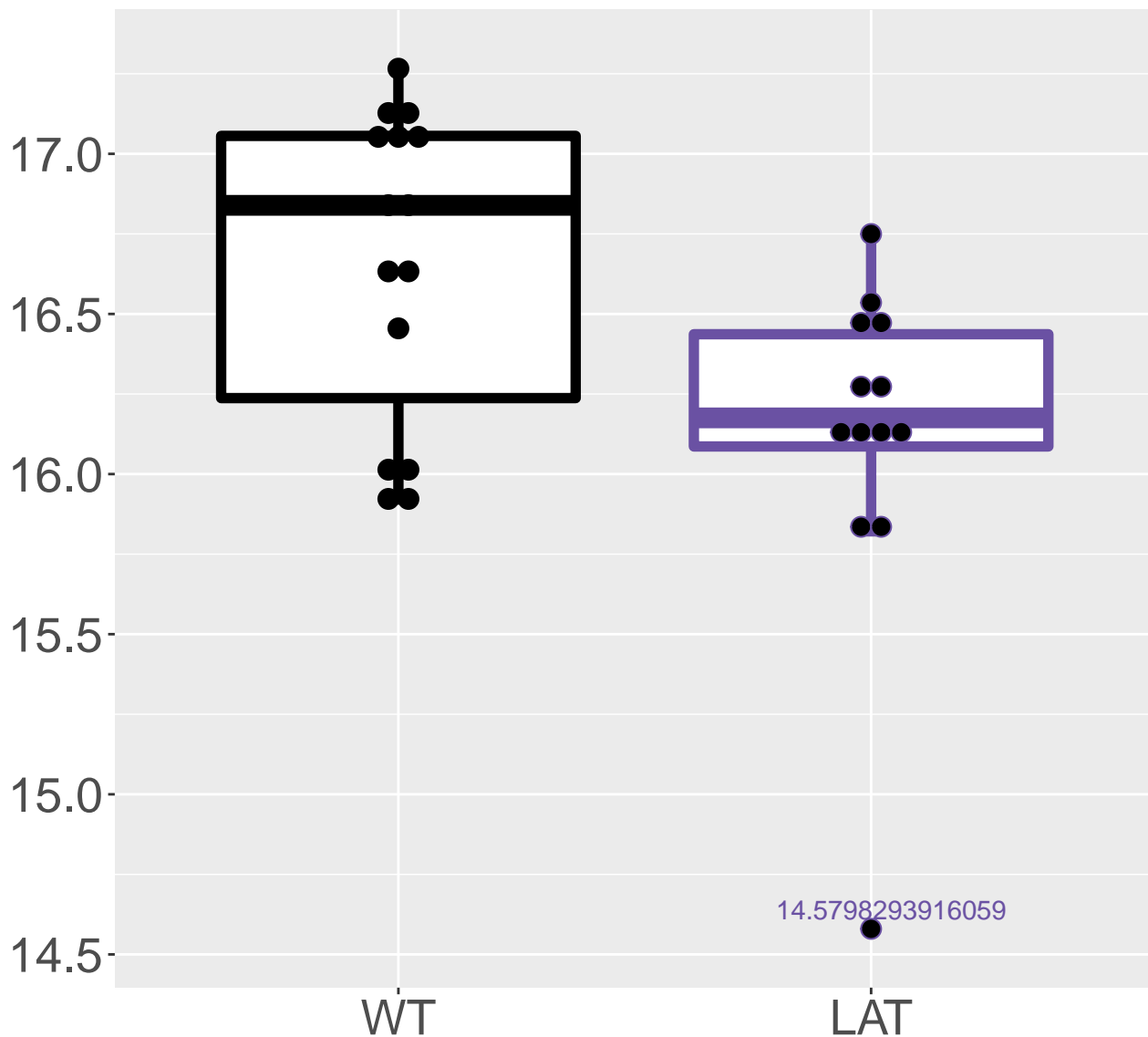


**M171.5881T113.18\_3**

**FDR = 0.034, FC = -0.58**

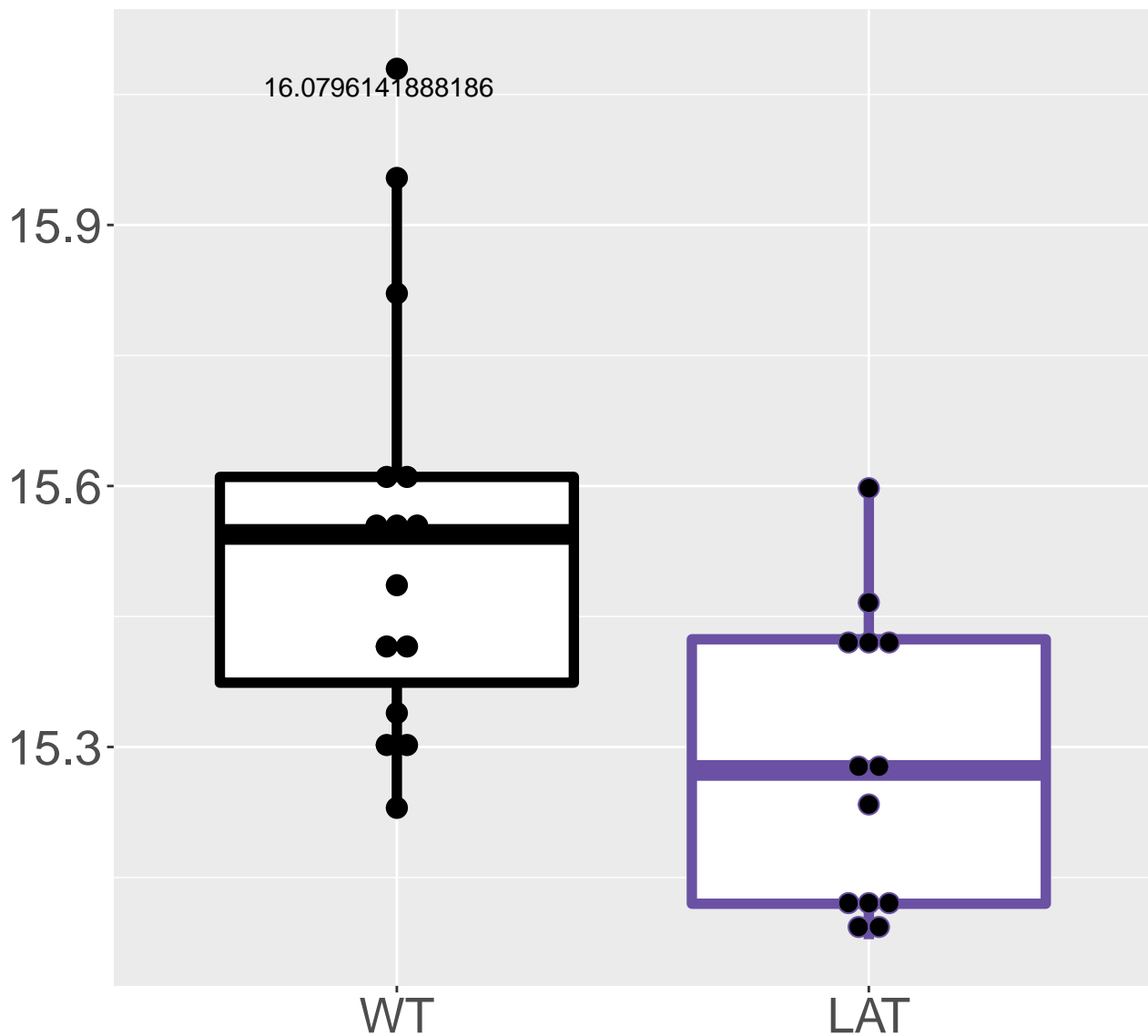


**M128.0287T75.4\_29**  
**FDR = 0.034, FC = -0.54**



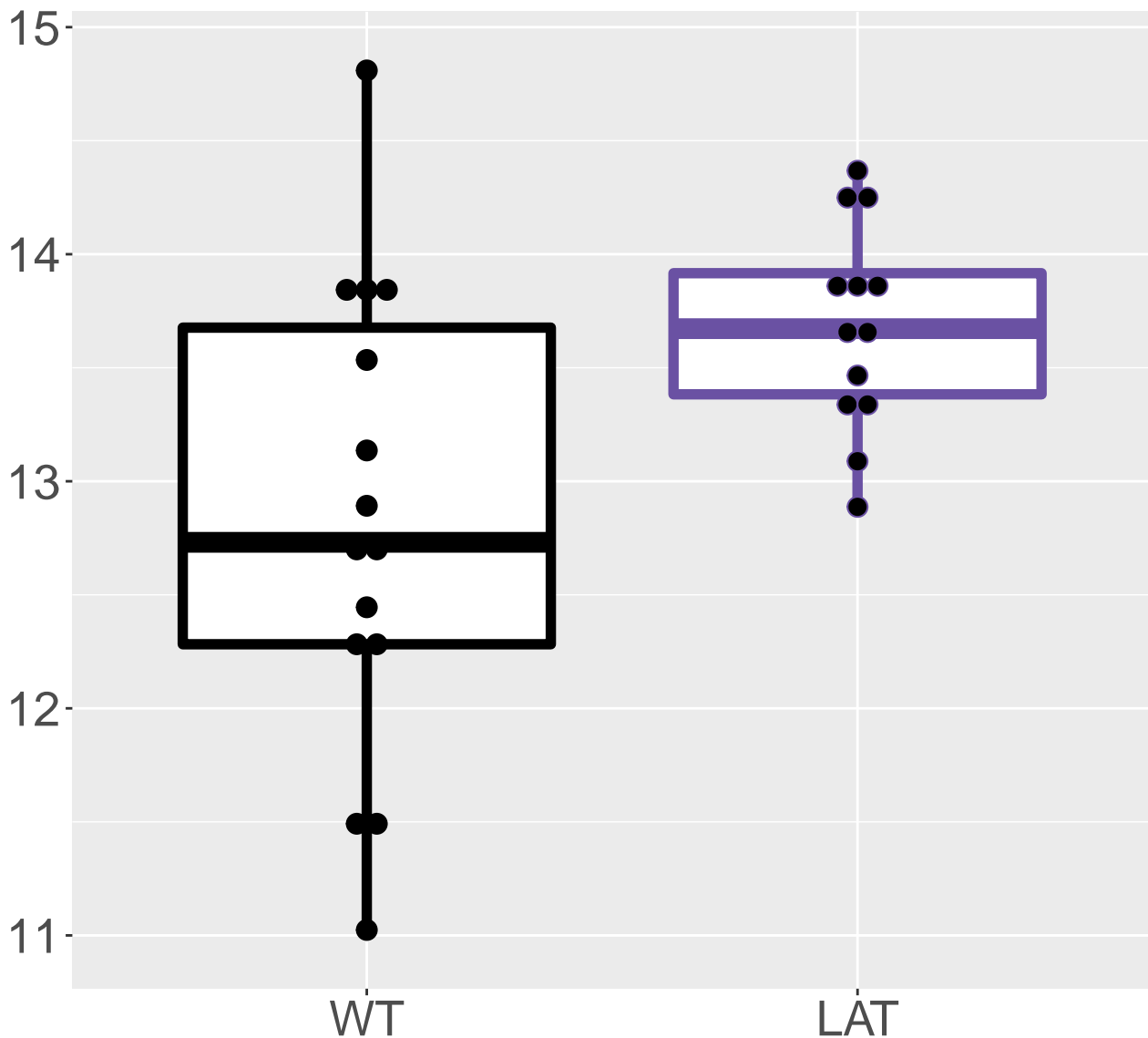
**M237.0706T42.5**

**FDR = 0.034, FC = -0.27**



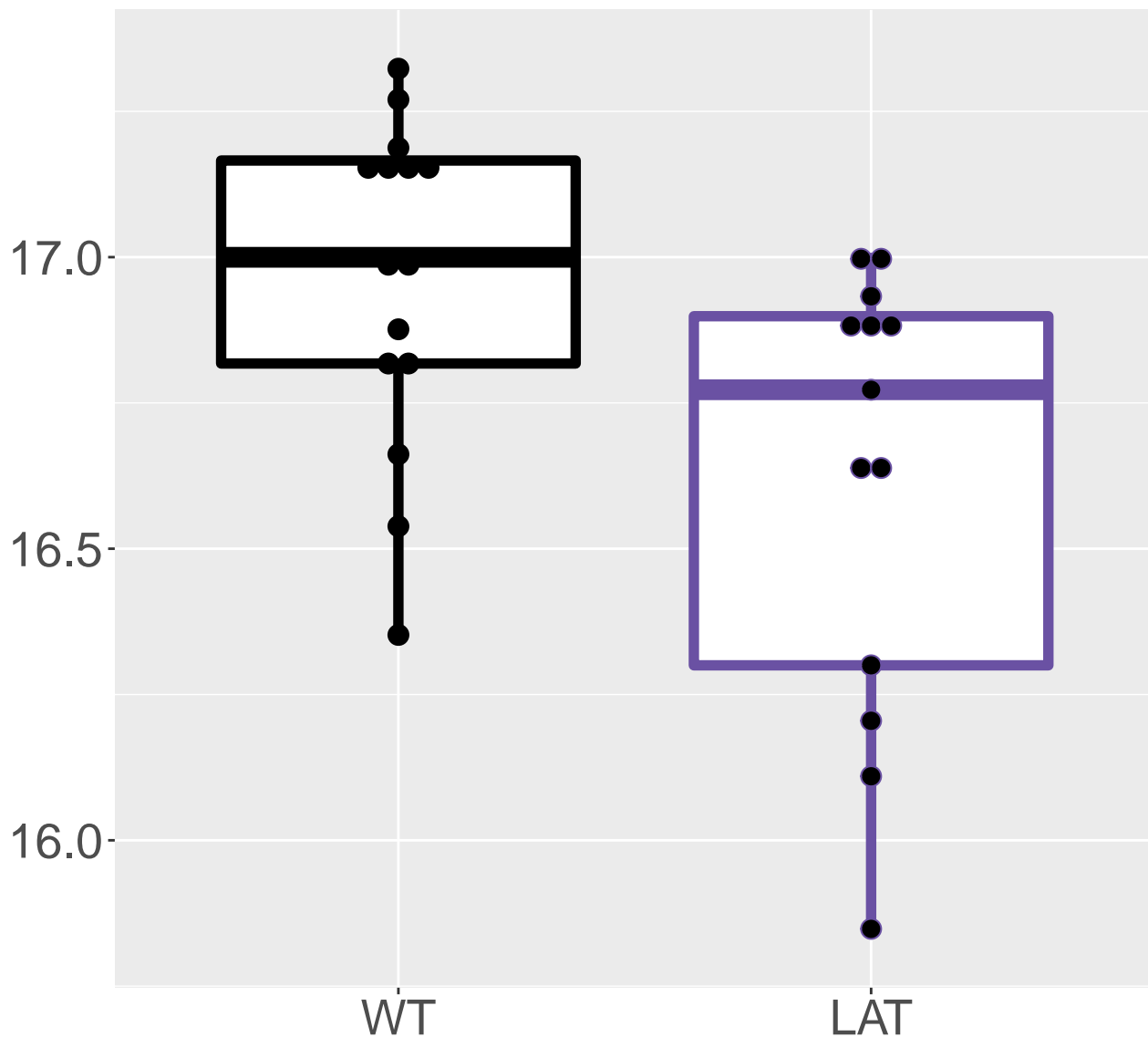
**M305.1544T381.2**

**FDR = 0.034, FC = 0.87**



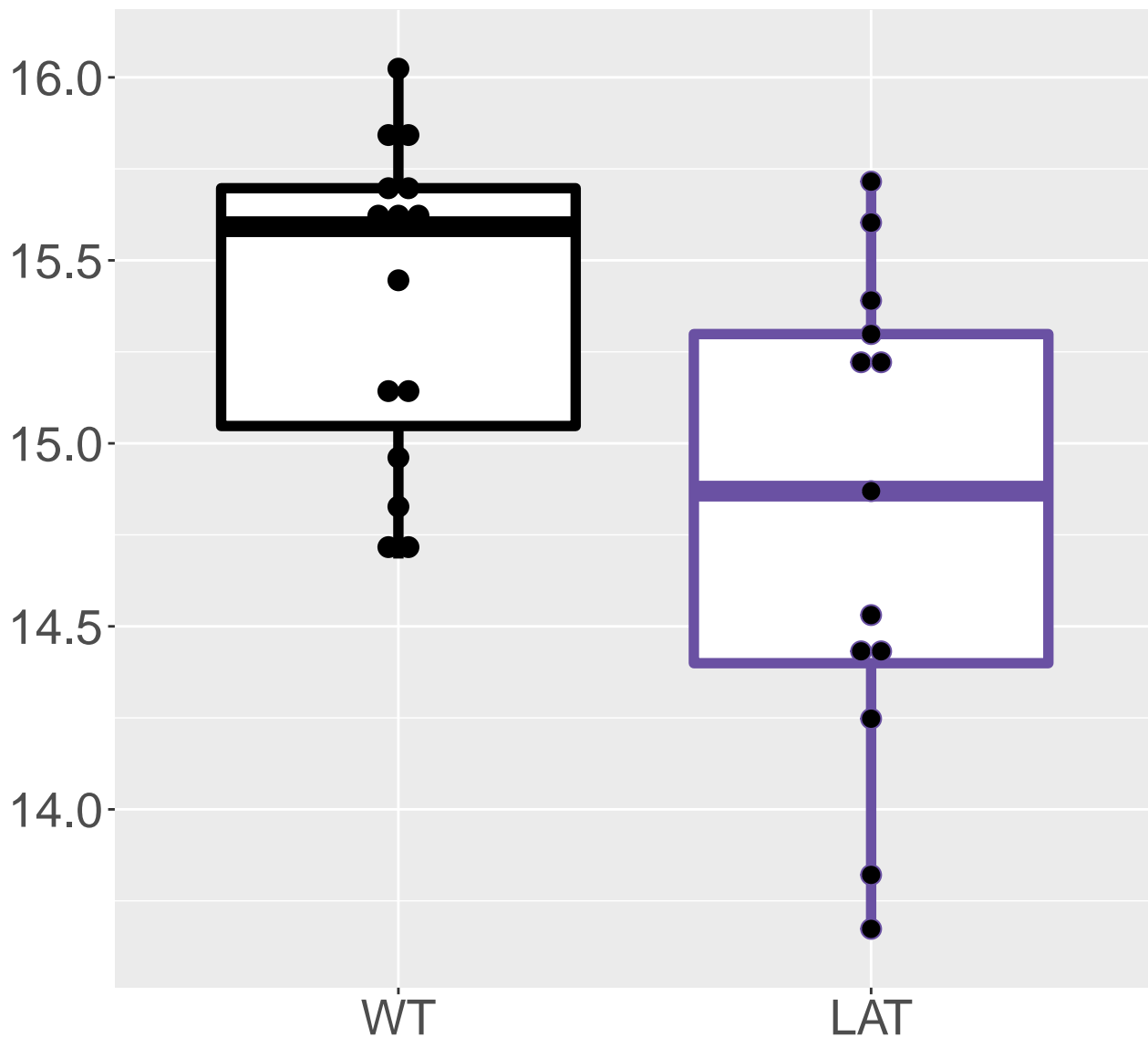
**M374.9752T43.48\_2**

**FDR = 0.035, FC = -0.34, sex\***

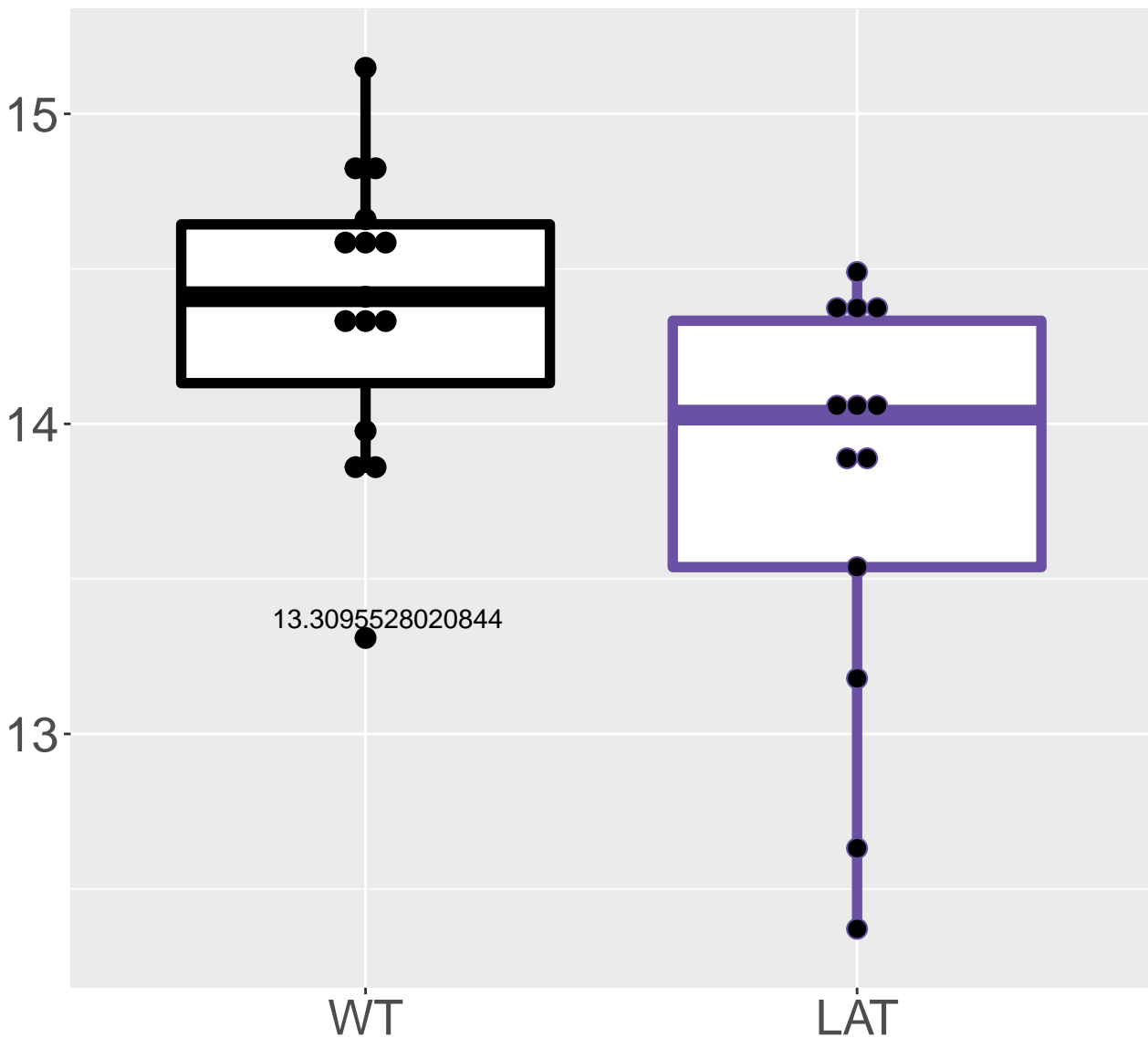




**M288.6805T298.54**  
**FDR = 0.035, FC = -0.59**

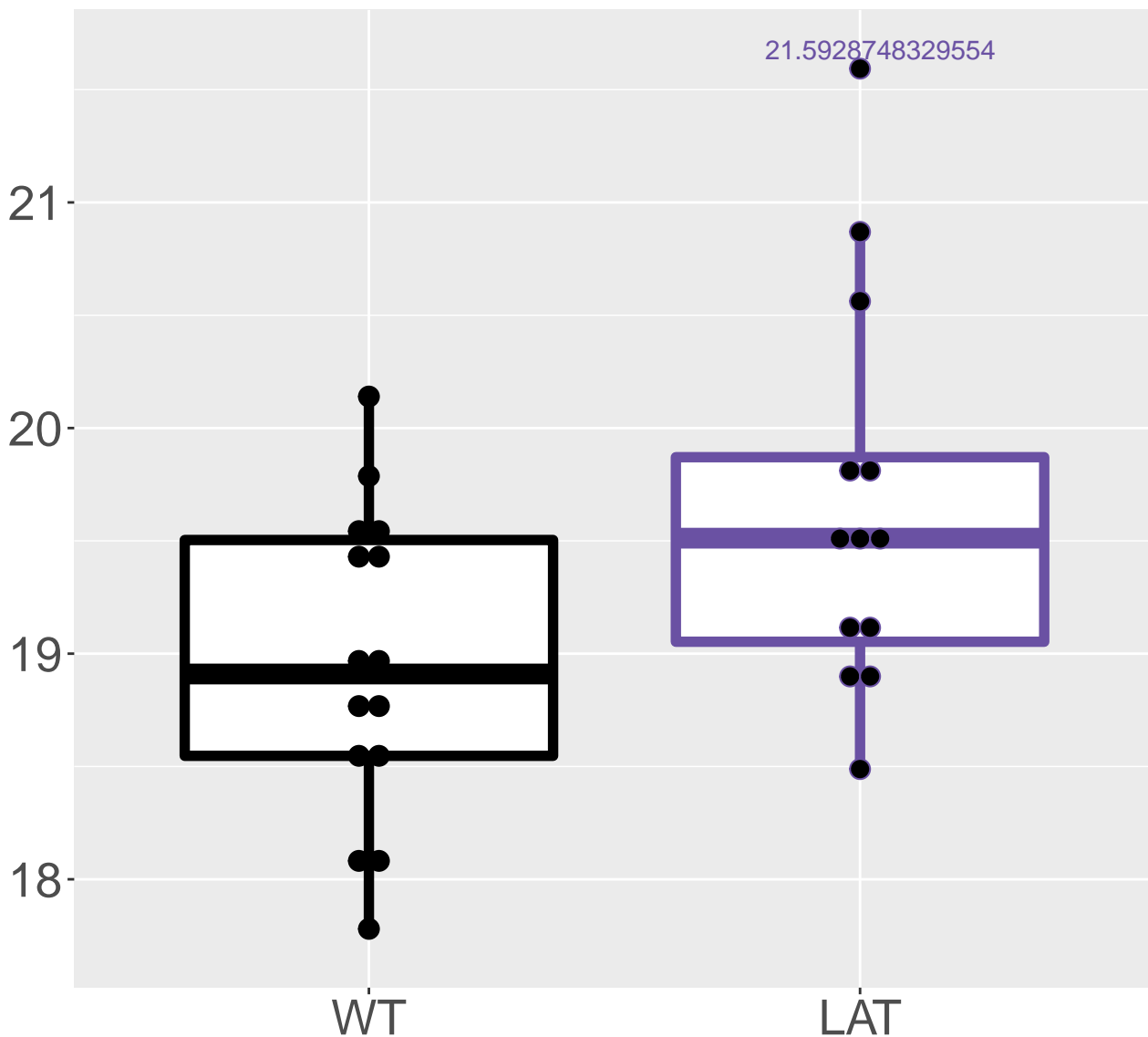


**M204.3868T229.19\_9**  
**FDR = 0.035, FC = -0.58**

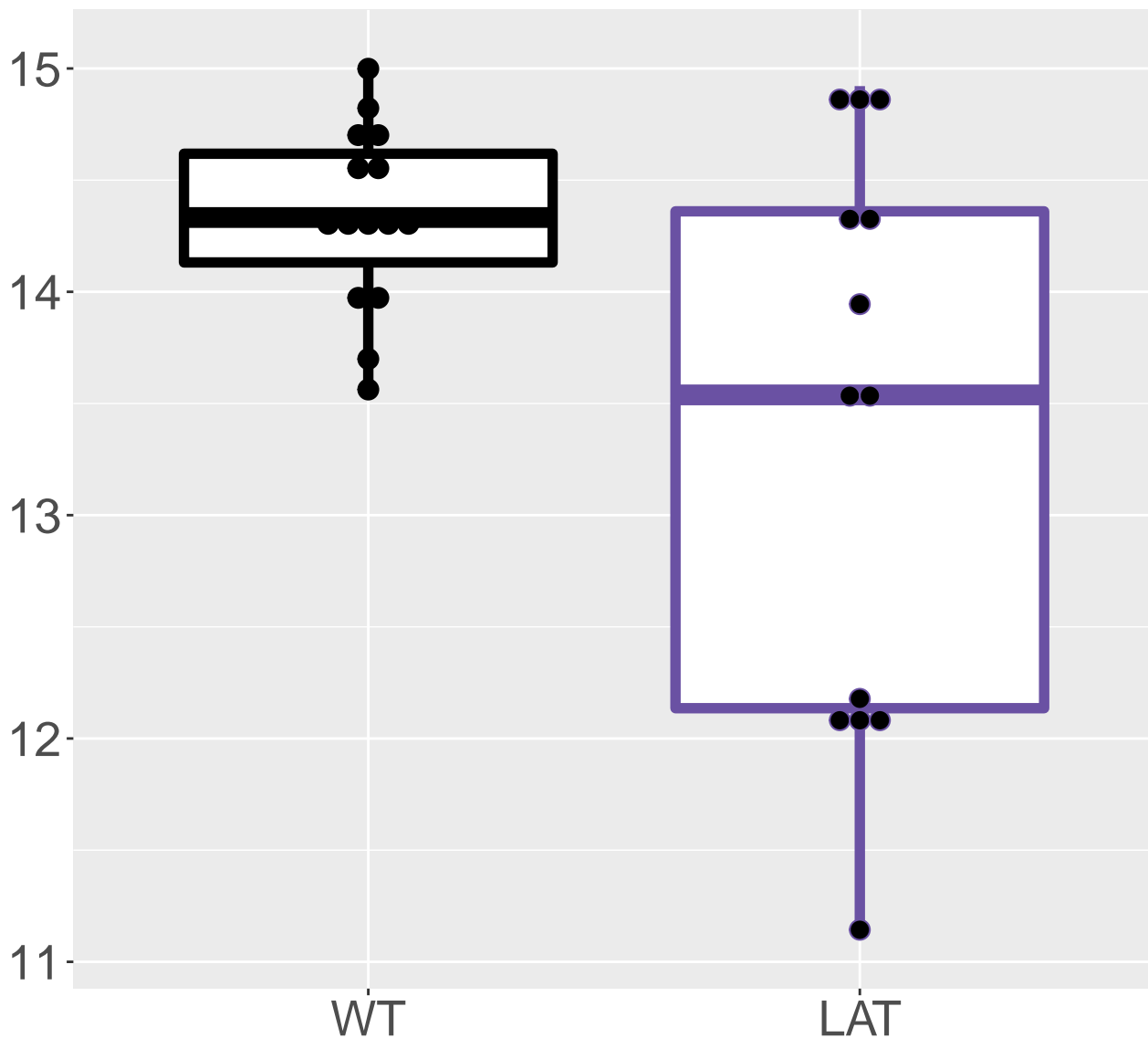


**M481.2825T487.19**

**FDR = 0.035, FC = 0.71**

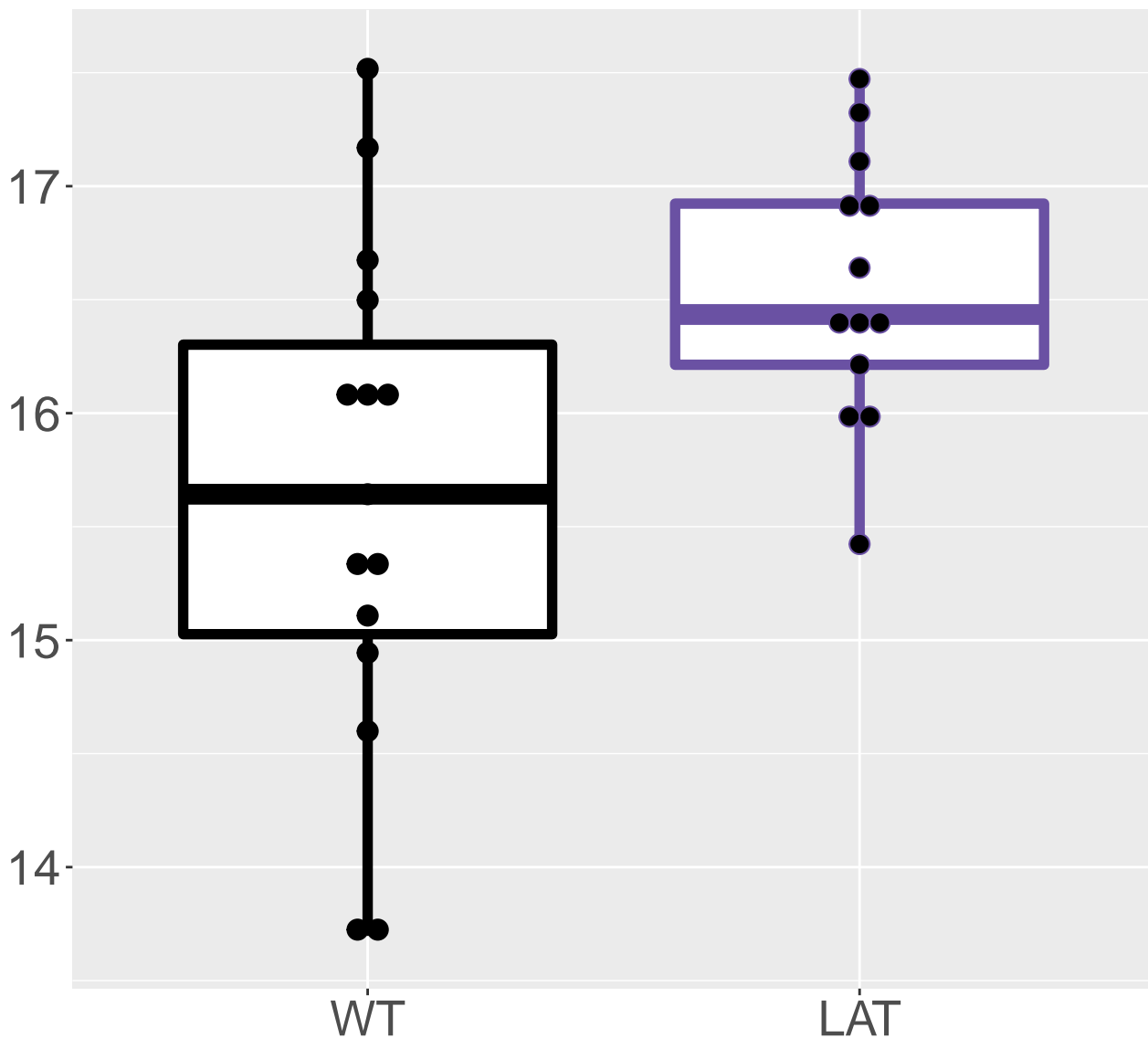


**M353.7366T278.36\_1**  
**FDR = 0.035, FC = -0.97**



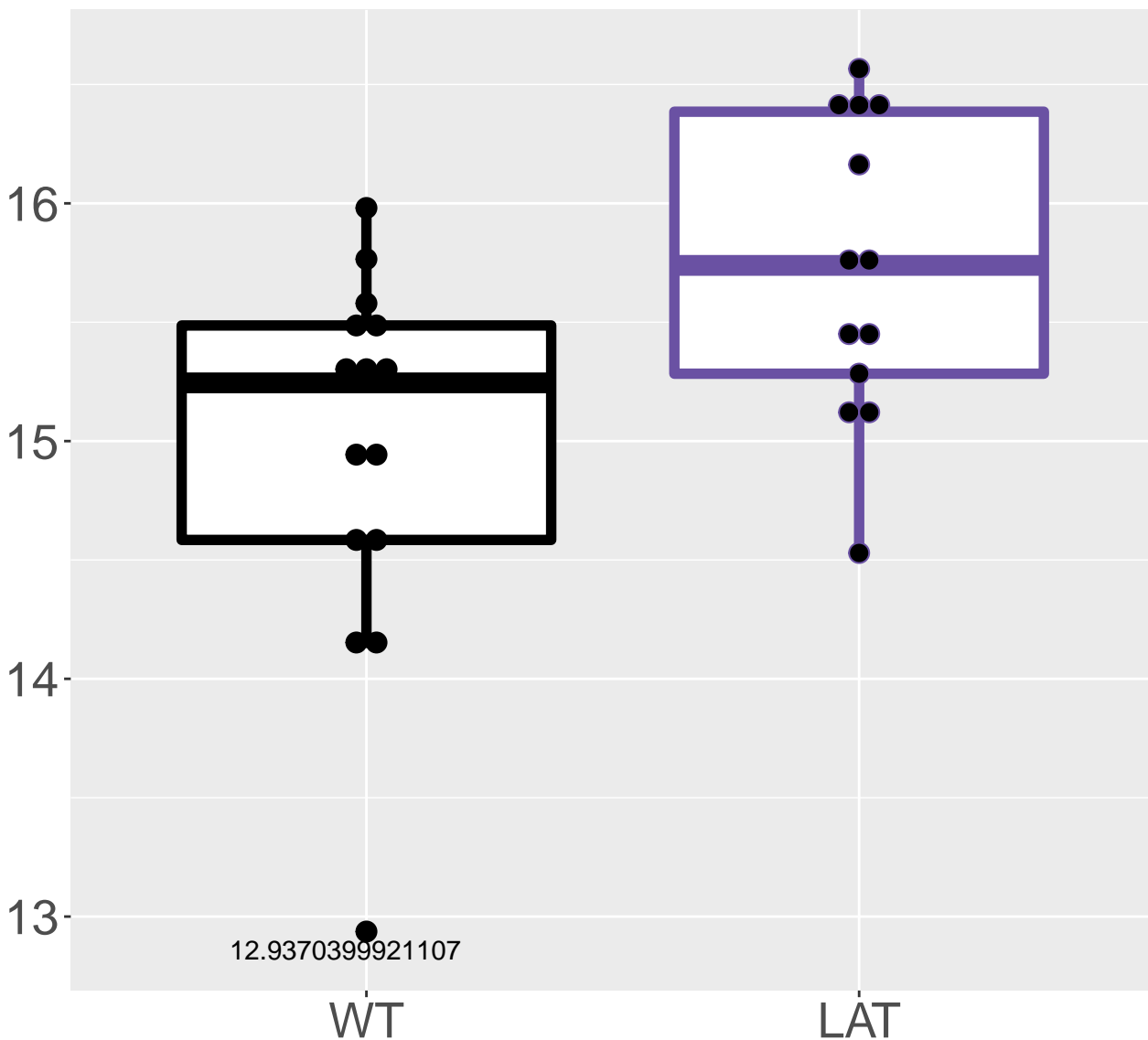
**M212.0538T67.63**

**FDR = 0.035, FC = 0.92**

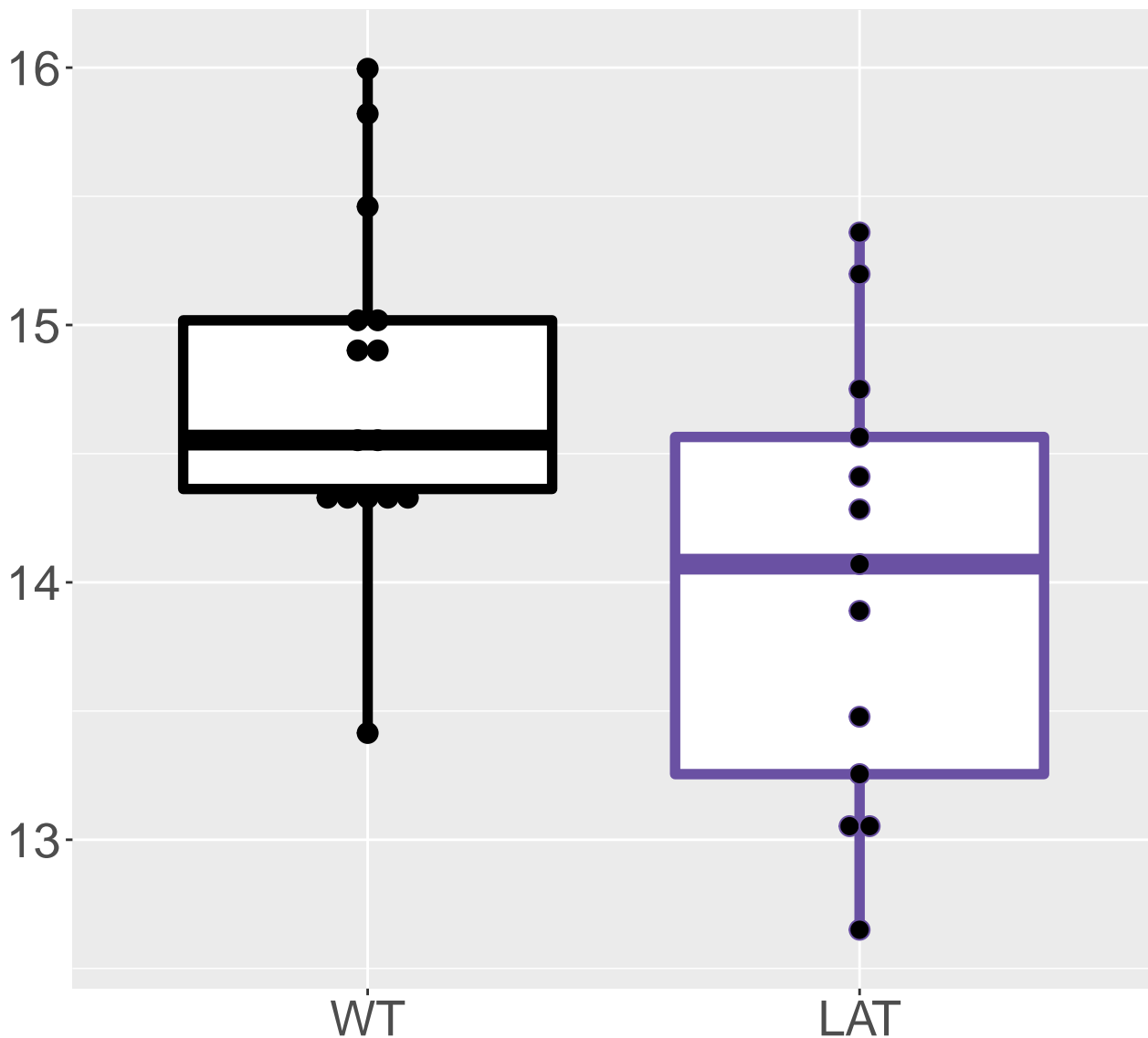


**M251.0538T47.43**

**FDR = 0.035, FC = 0.76**

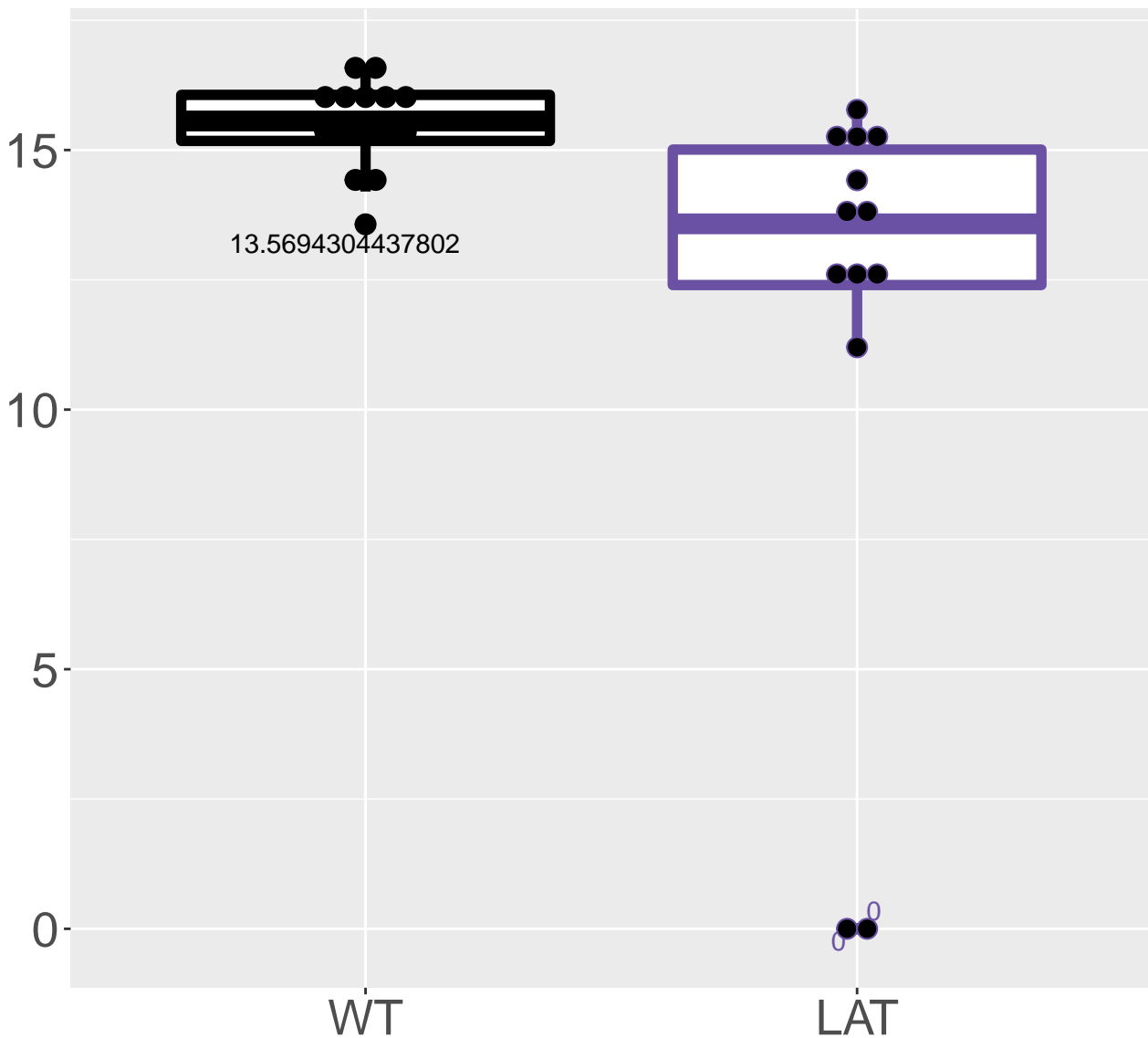


**M512.6952T378.34\_1**  
**FDR = 0.035, FC = -0.76**



**M654.2377T48.75**

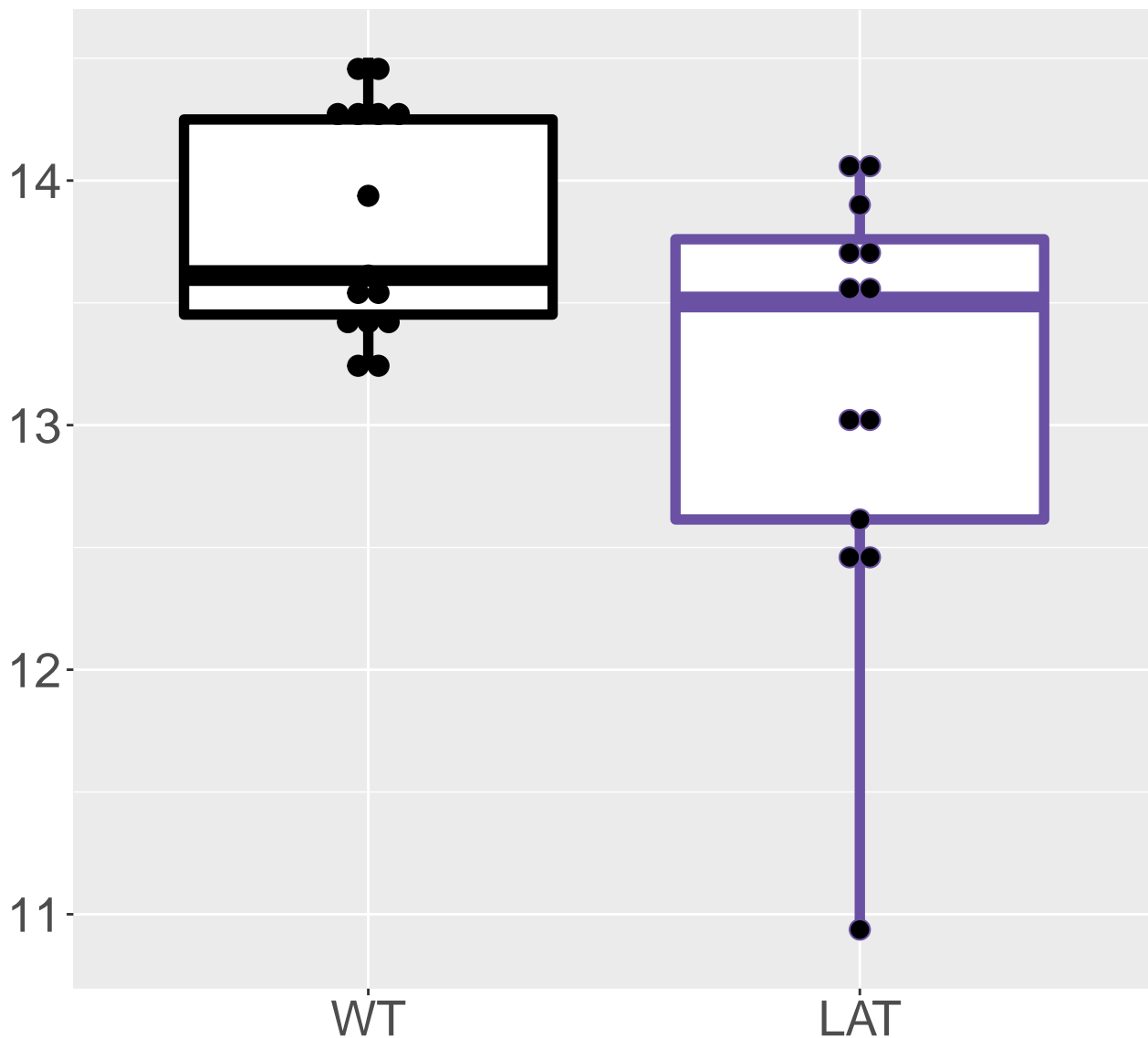
**FDR = 0.036, FC = -3.7**



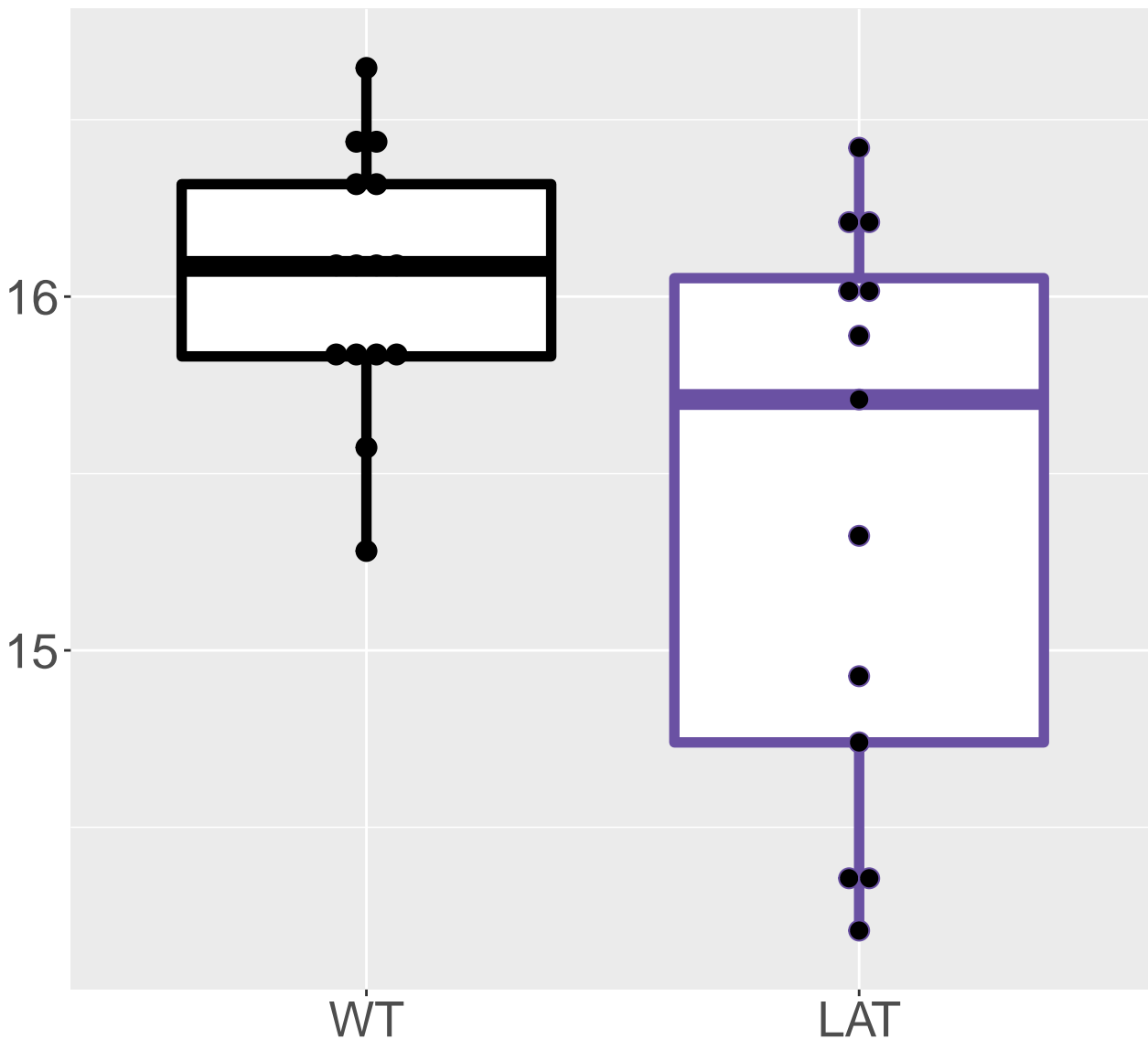


**M497.8647T268.37\_1**

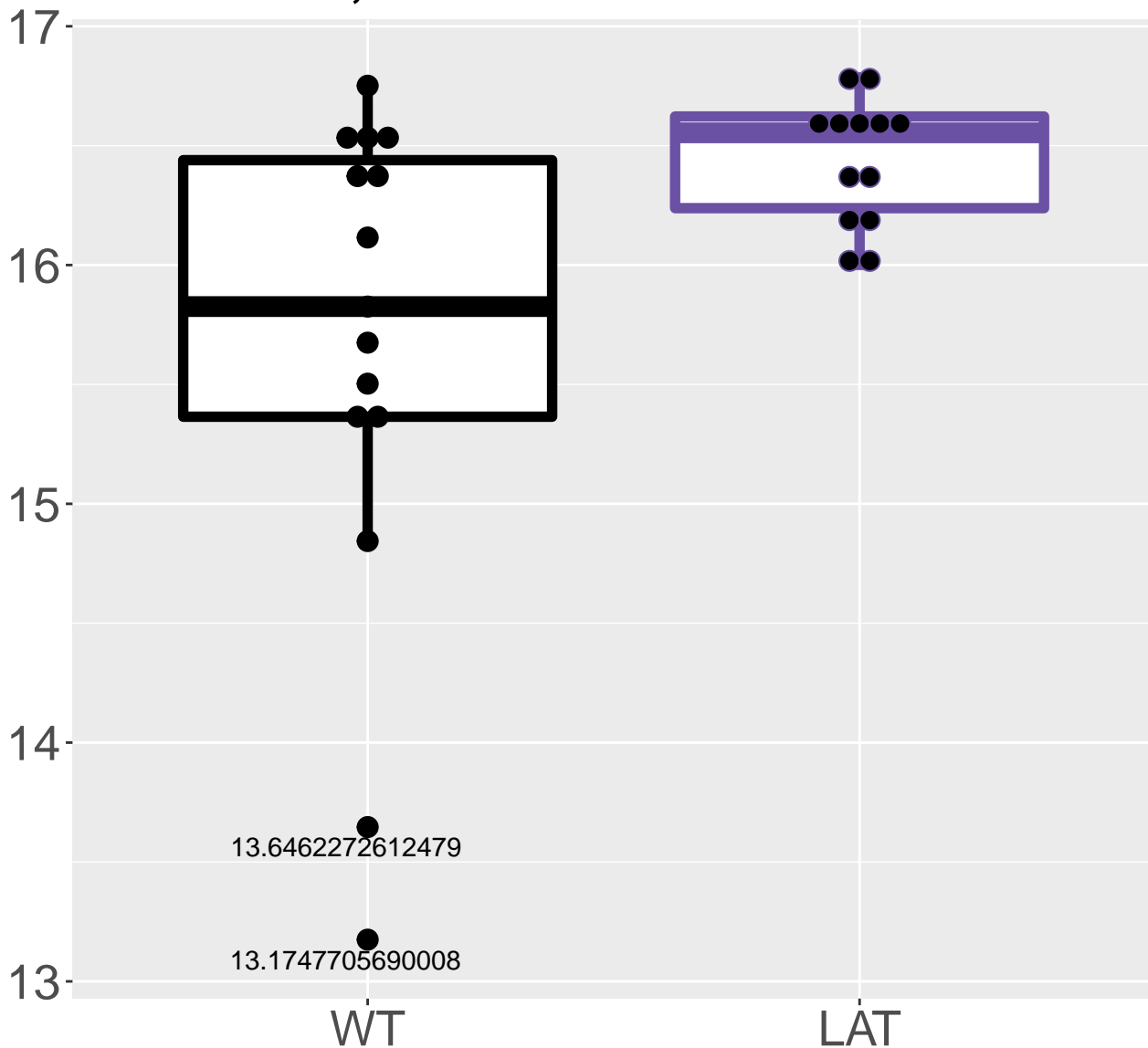
**FDR = 0.036, FC = -0.66, sex\***



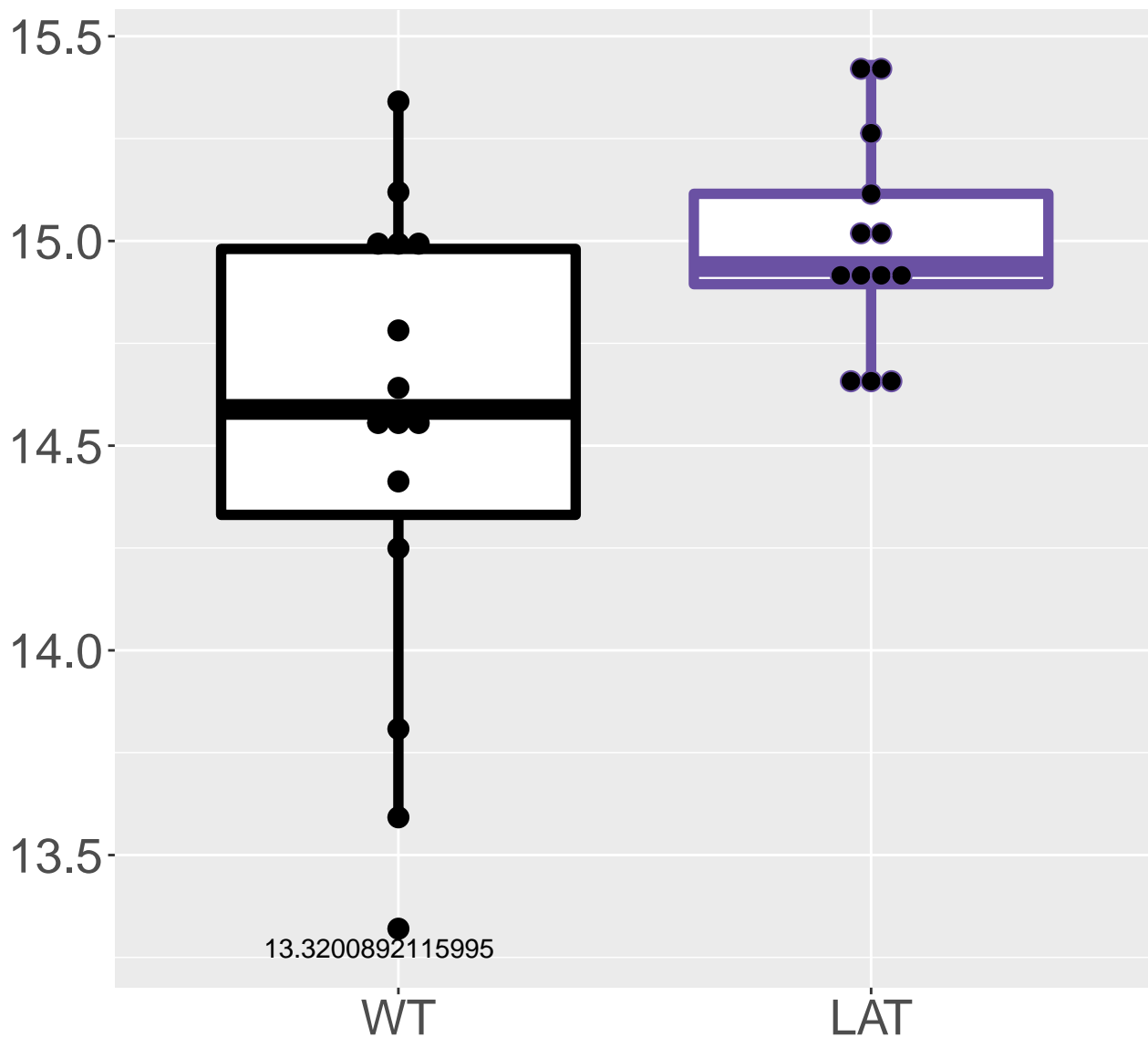
**M163.367T113.17\_40**  
**FDR = 0.036, FC = -0.63**



**M801.2987T393.73\_1**  
**FDR = 0.036, FC = 0.8**

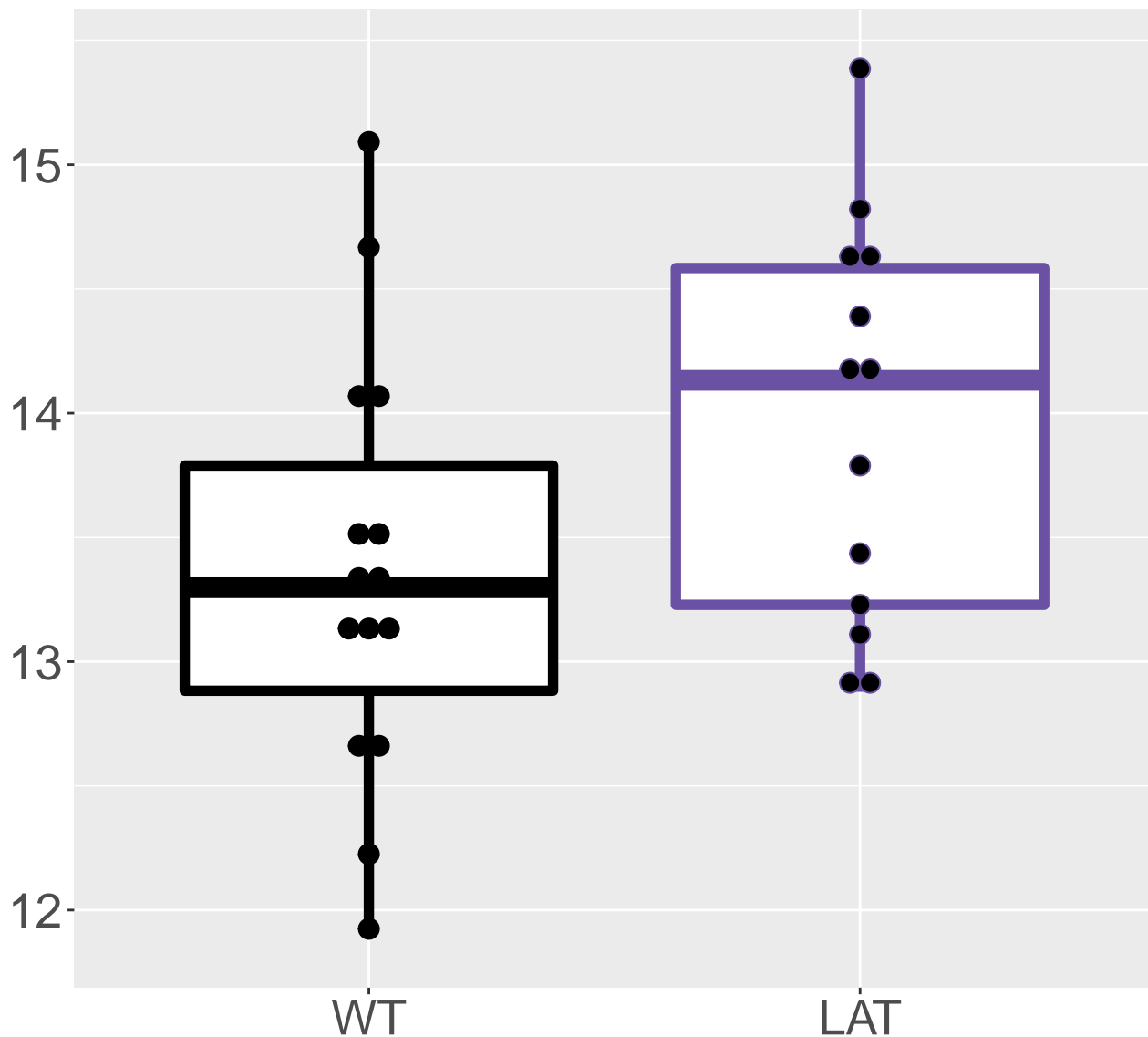


**M545.0244T133.17\_2**  
**FDR = 0.036, FC = 0.47**



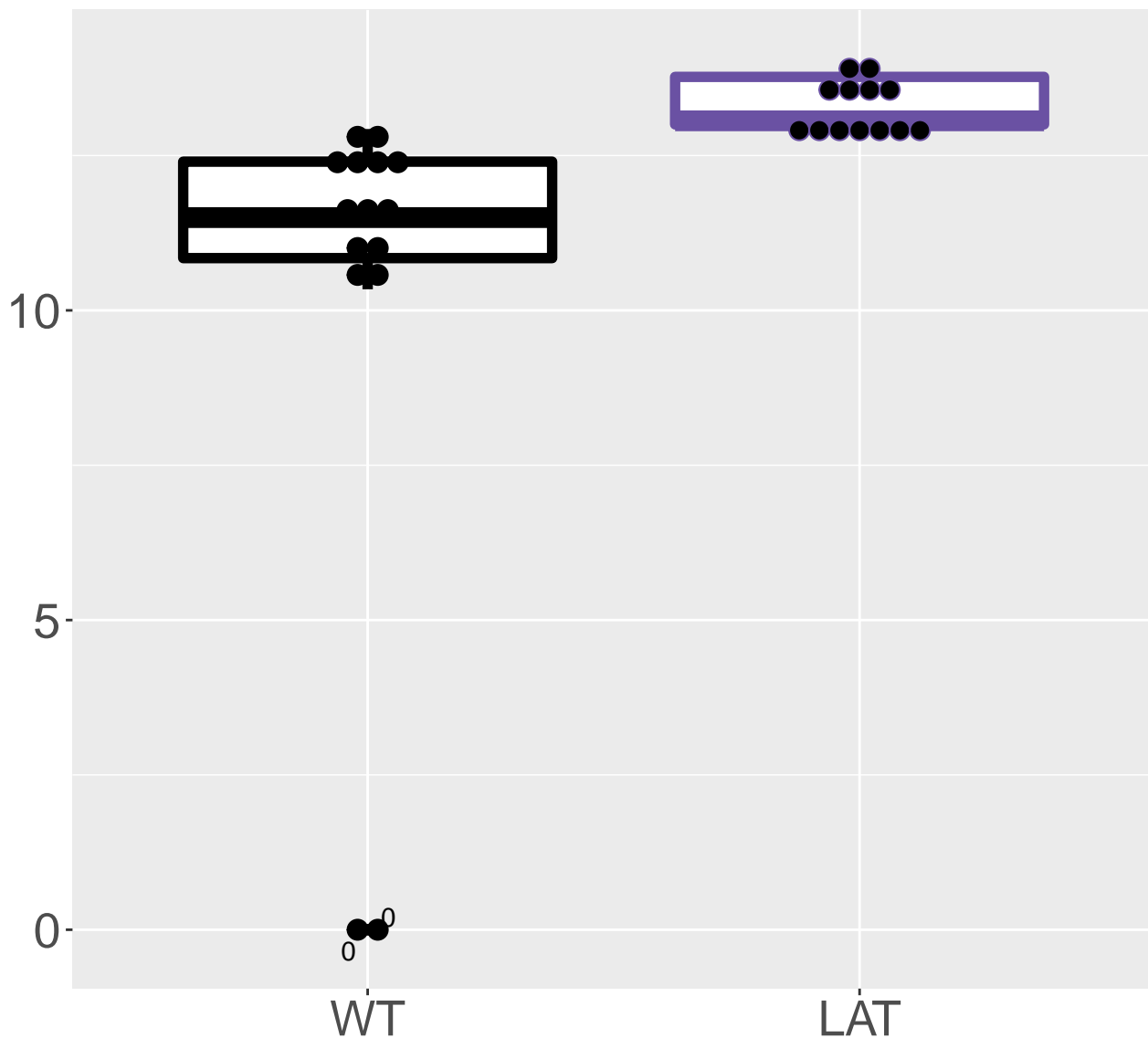
**M343.5347T253.59**

**FDR = 0.036, FC = 0.61, sex\*\*\***



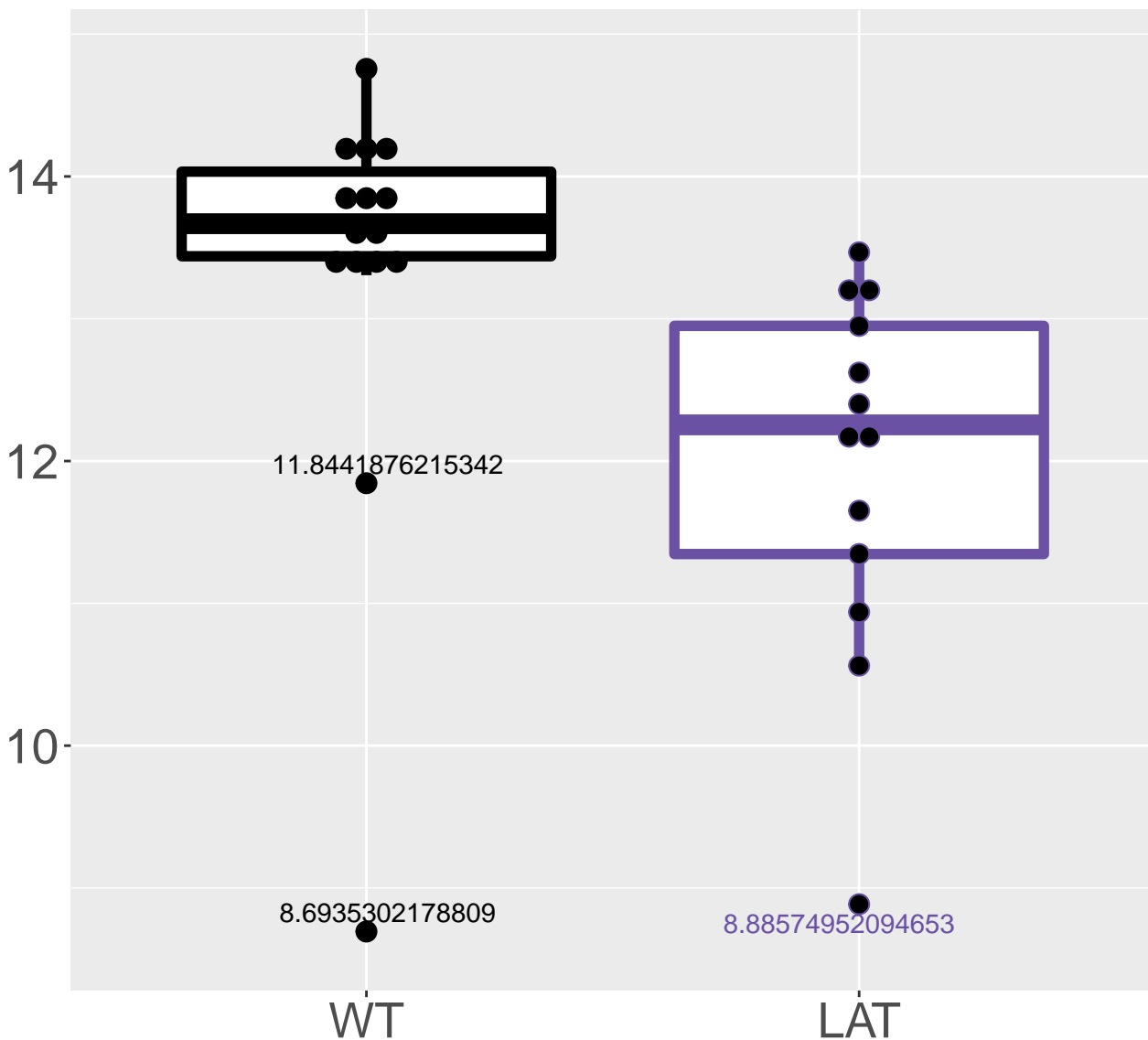
**M502.9559T360.91\_2**

**FDR = 0.036, FC = 3.1**



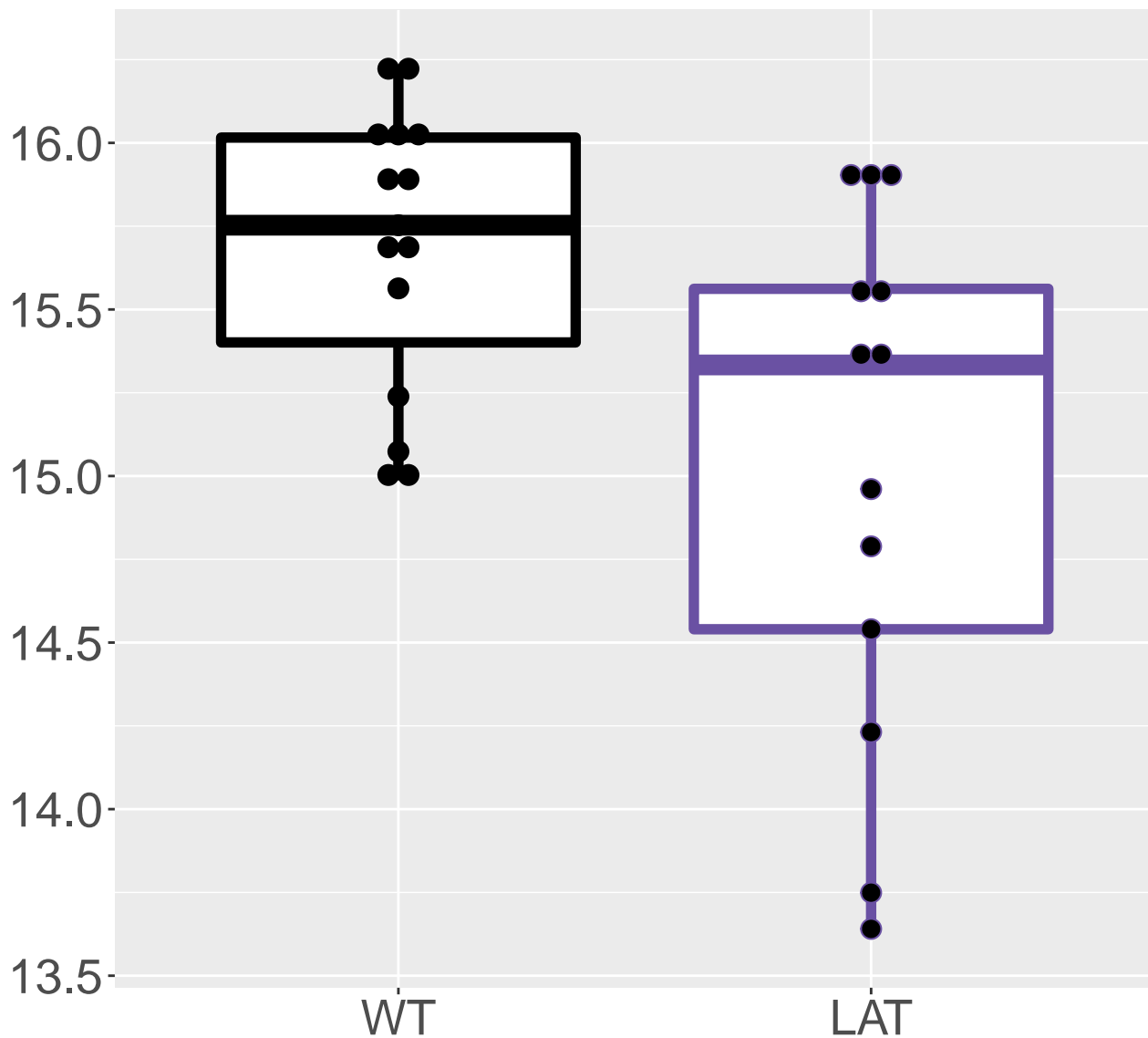
**M279.6753T243.21\_1**

**FDR = 0.036, FC = -1.4**



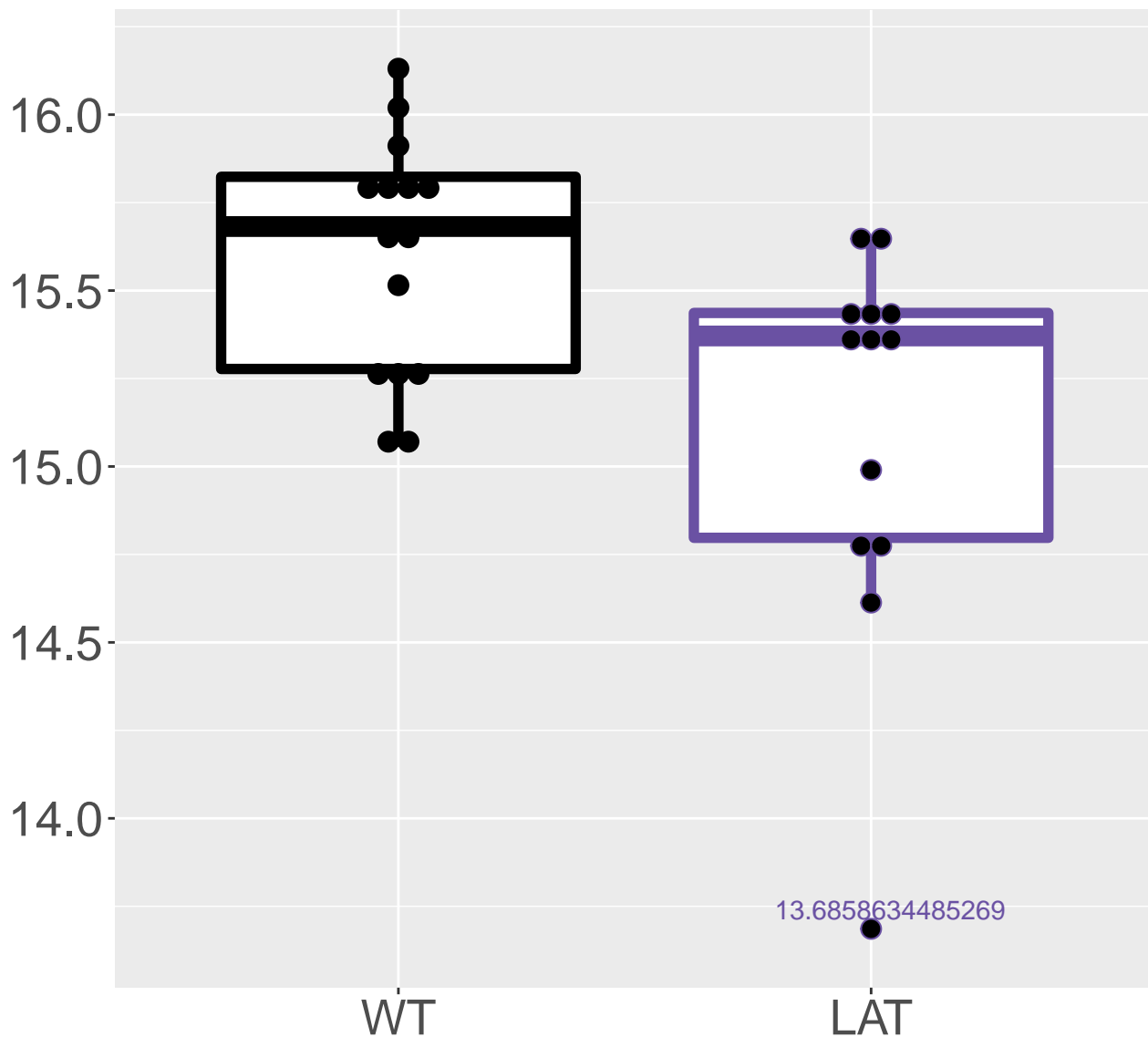
**M232.1189T56.02**

**FDR = 0.036, FC = -0.65**

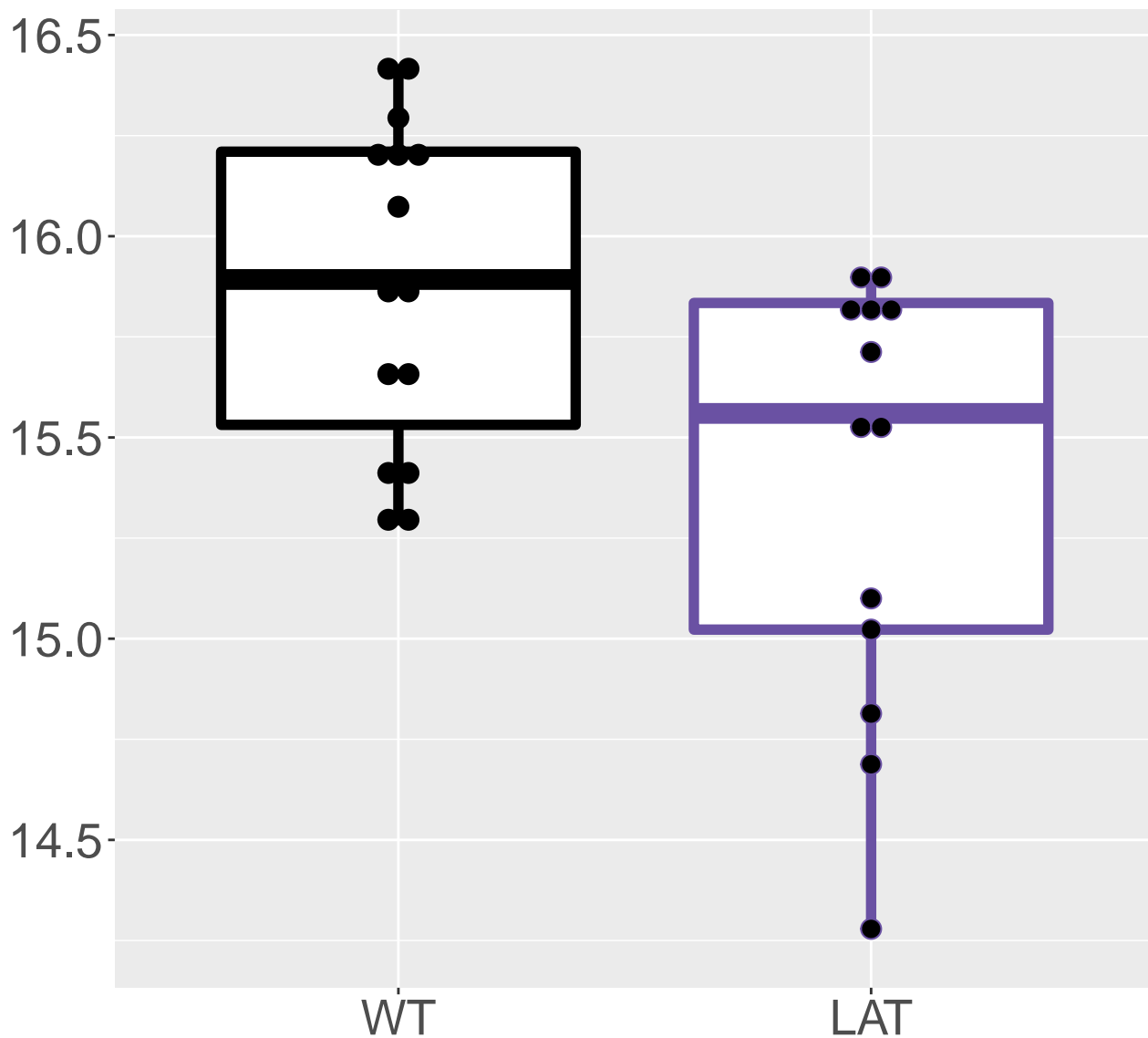




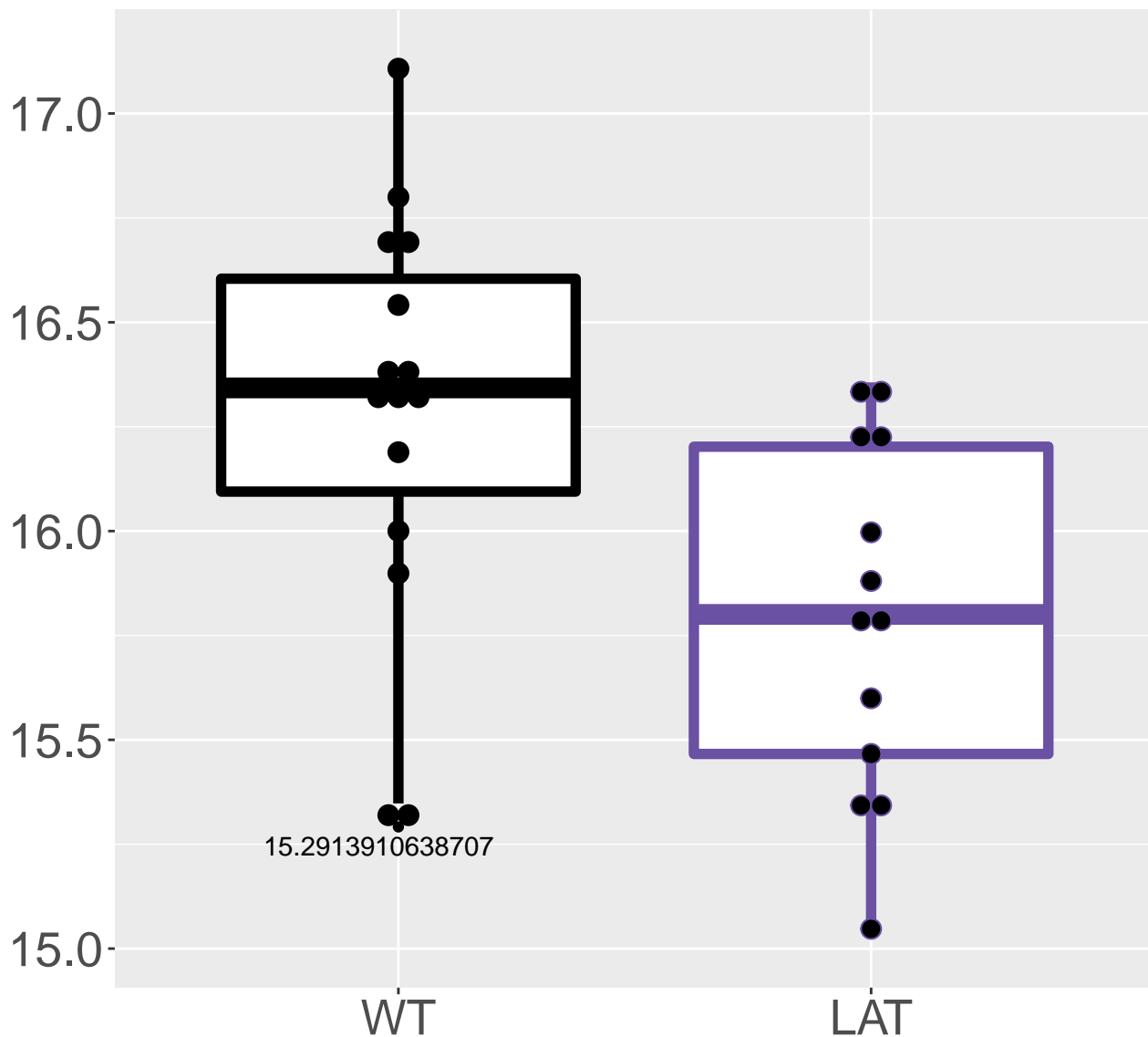
**M157.0838T113.11\_17**  
**FDR = 0.036, FC = -0.48**



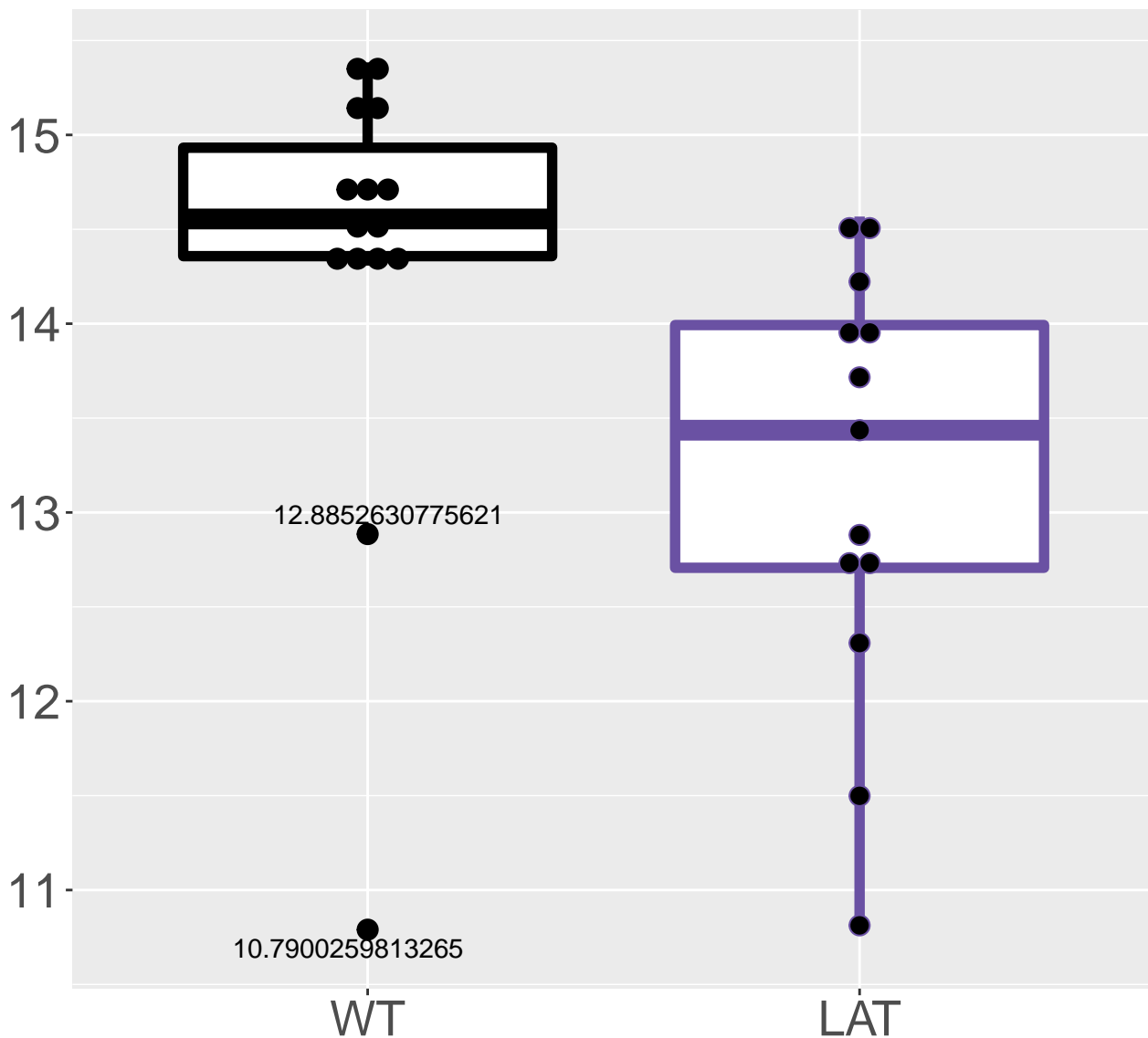
**M161.589T113.19\_5**  
**FDR = 0.036, FC = -0.5**



**M163.8284T113.19\_16**  
**FDR = 0.036, FC = -0.49**

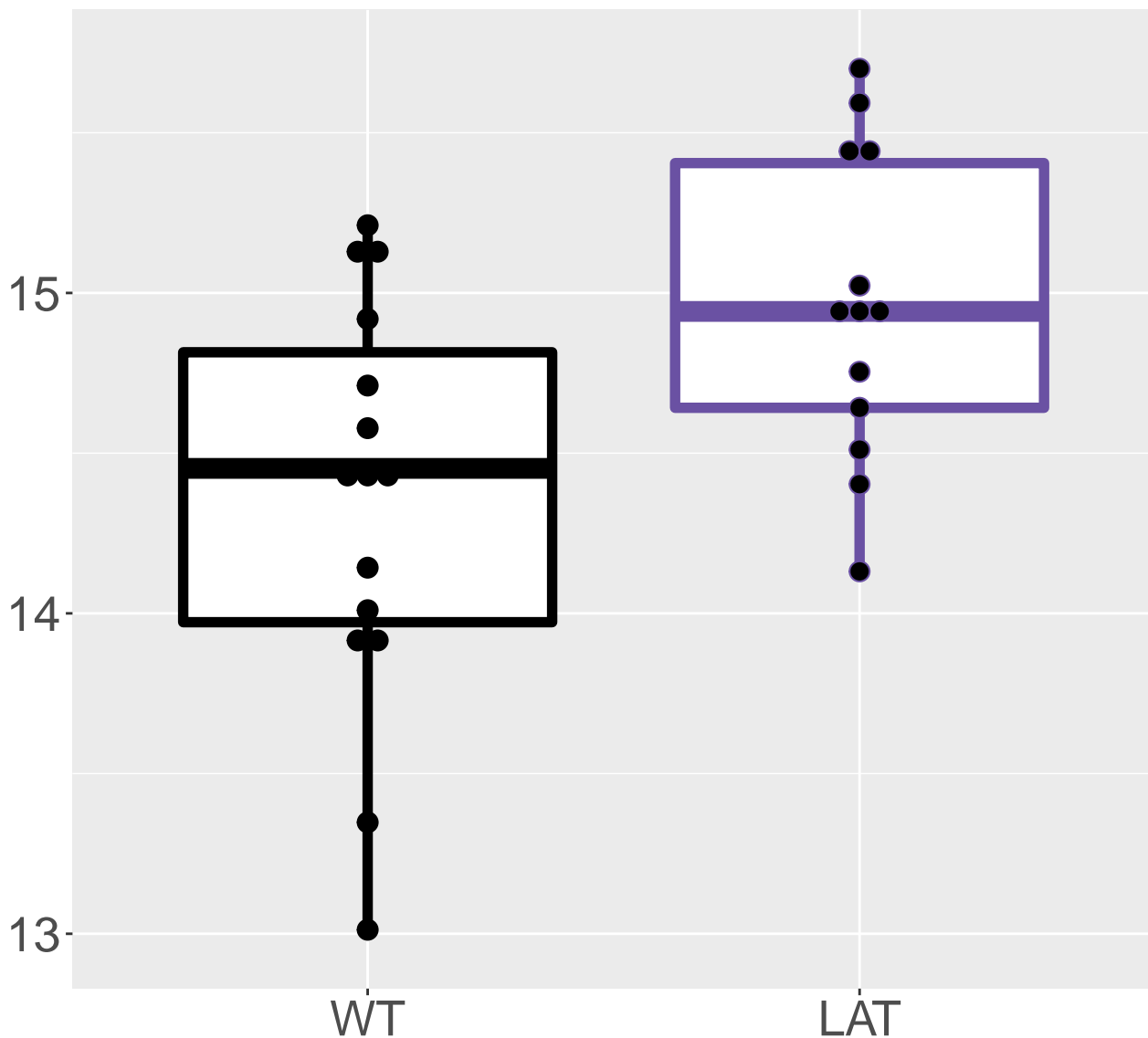


**M345.4509T301.67\_2**  
**FDR = 0.036, FC = -1.2**



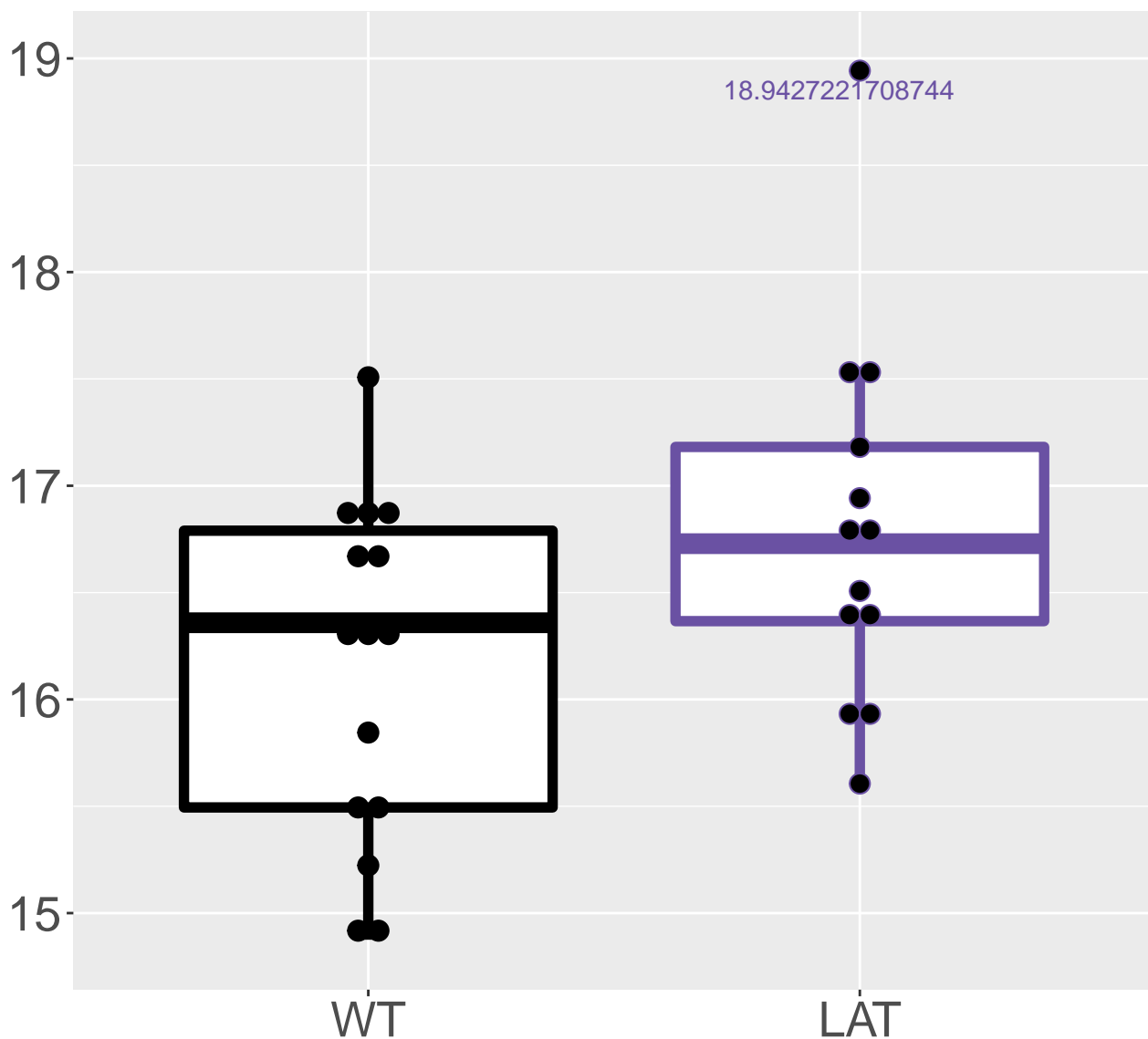
**M147.1217T194.96**

**FDR = 0.036, FC = 0.6**

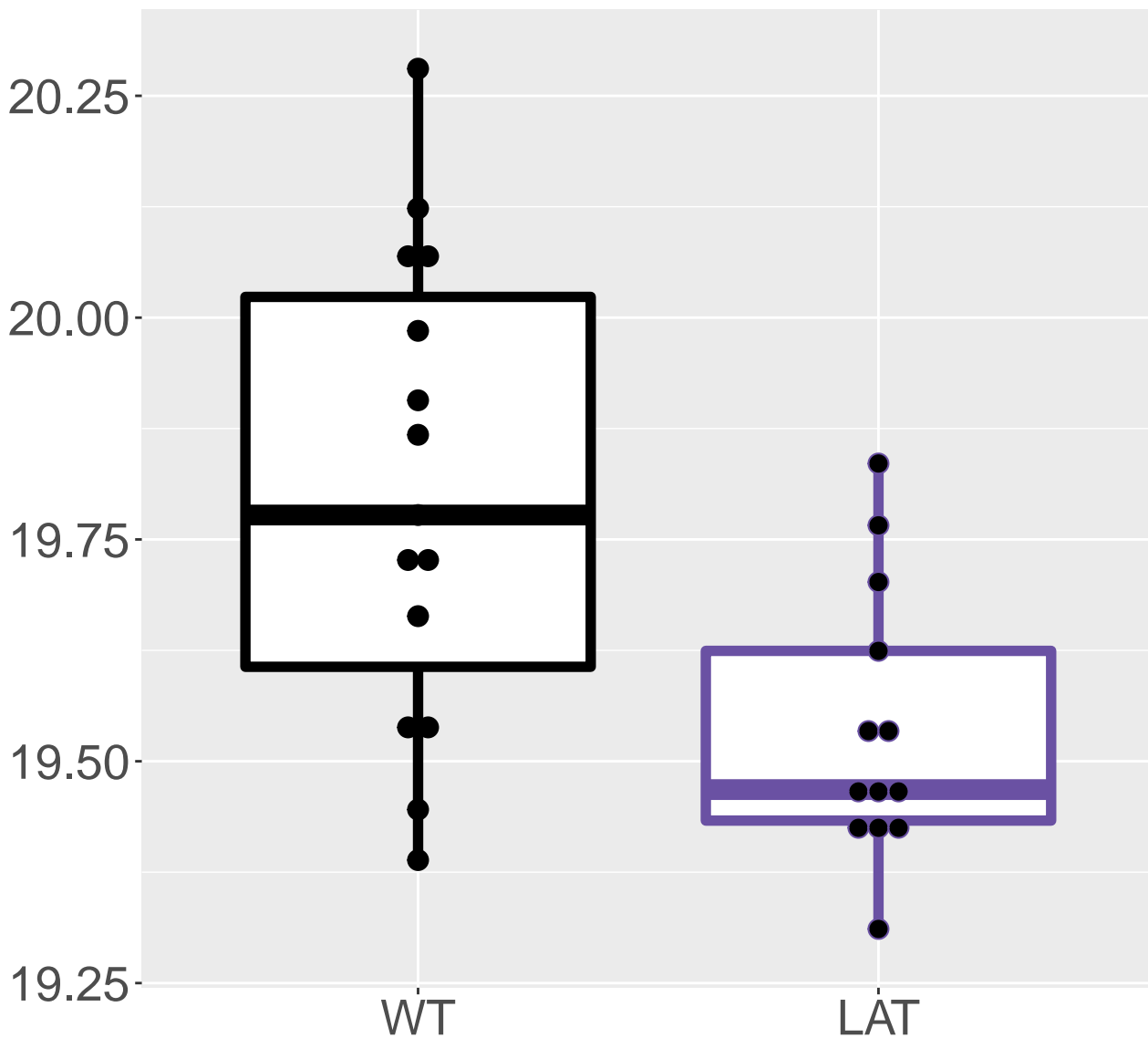


**M542.7563T487.5**

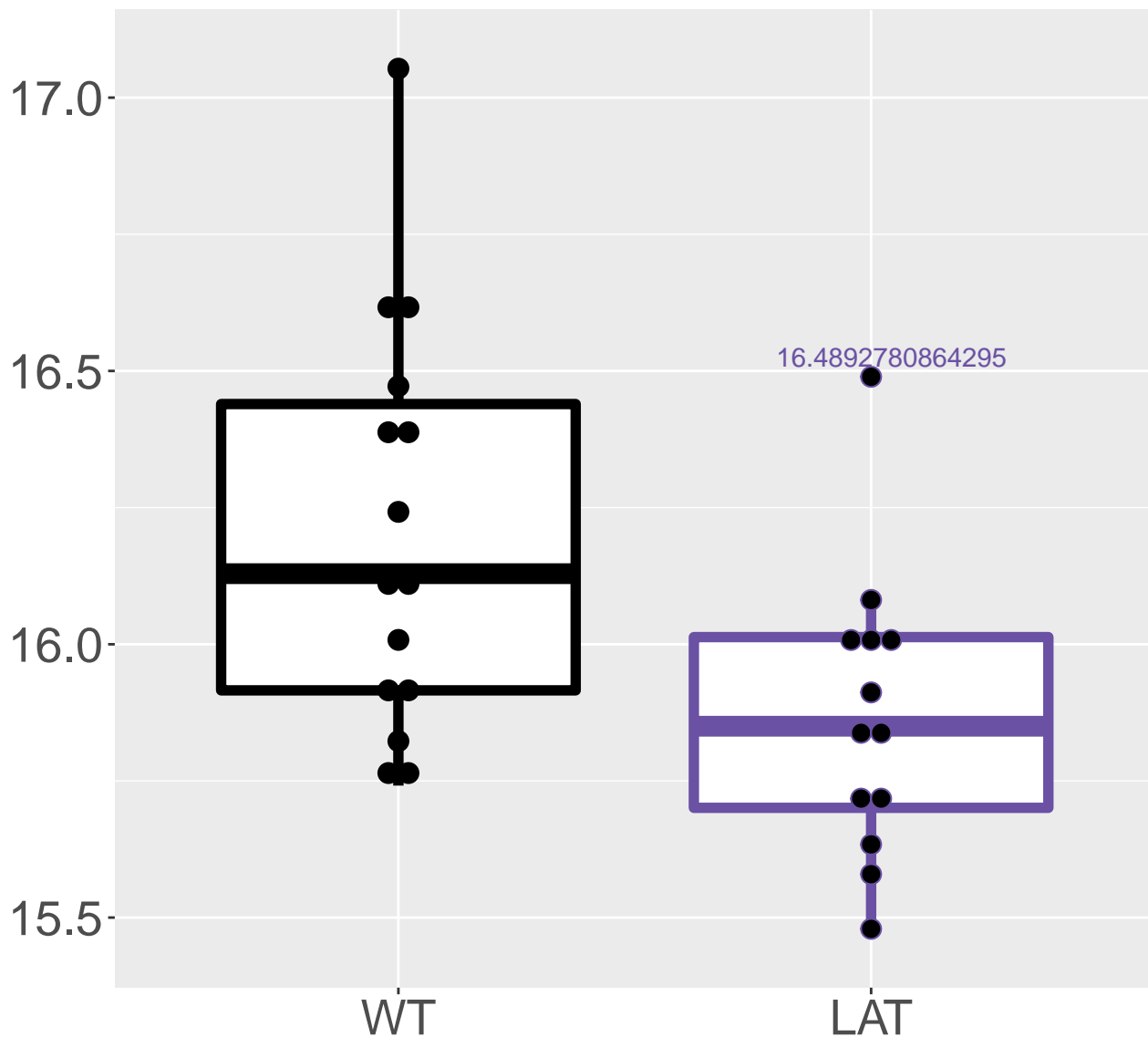
**FDR = 0.036, FC = 0.65, sex\***



**FDR = 0.036, FC =  $\bar{-0.27}$**



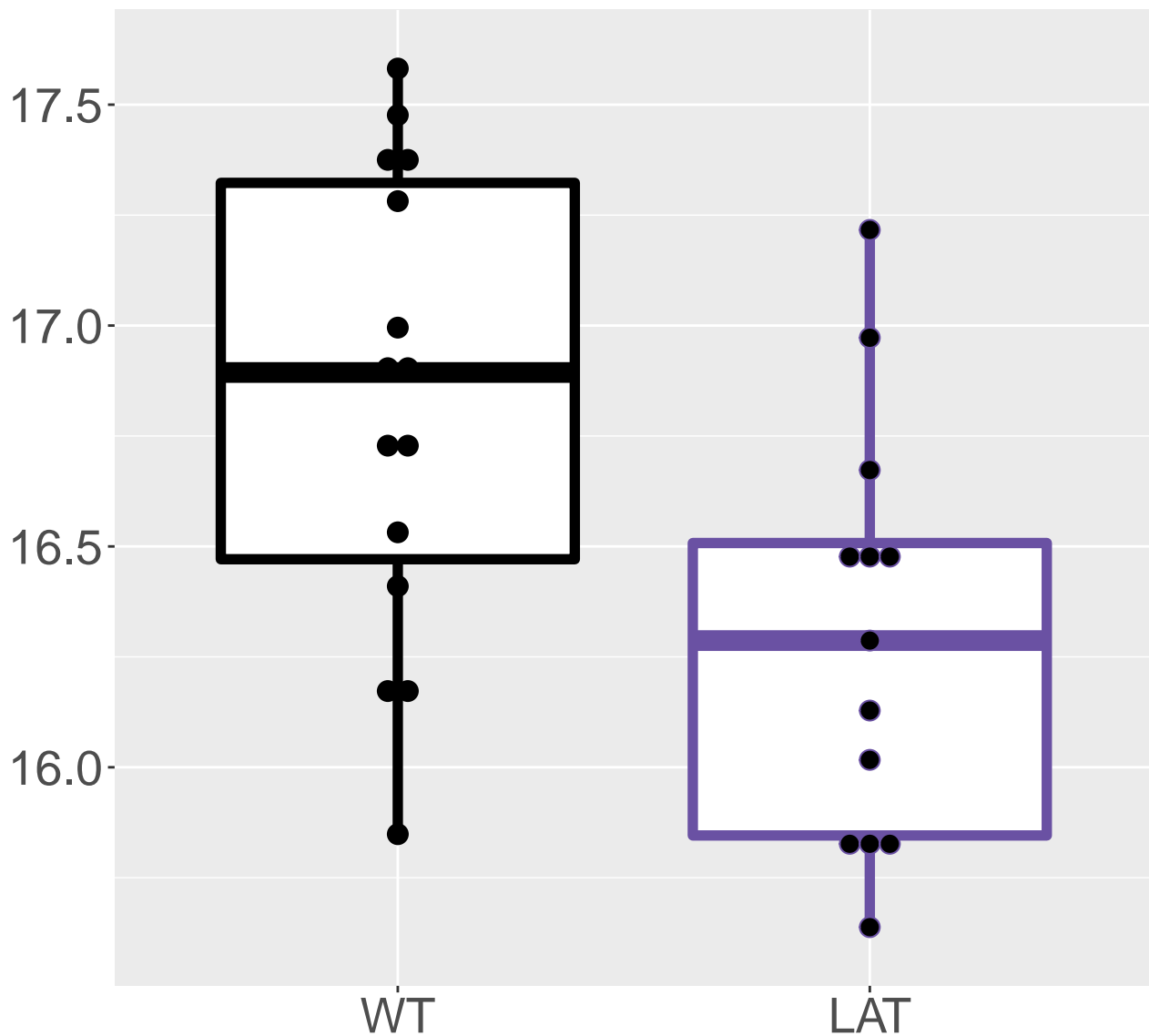
**M604.3362T371.4\_1**  
**FDR = 0.037, FC = -0.34**



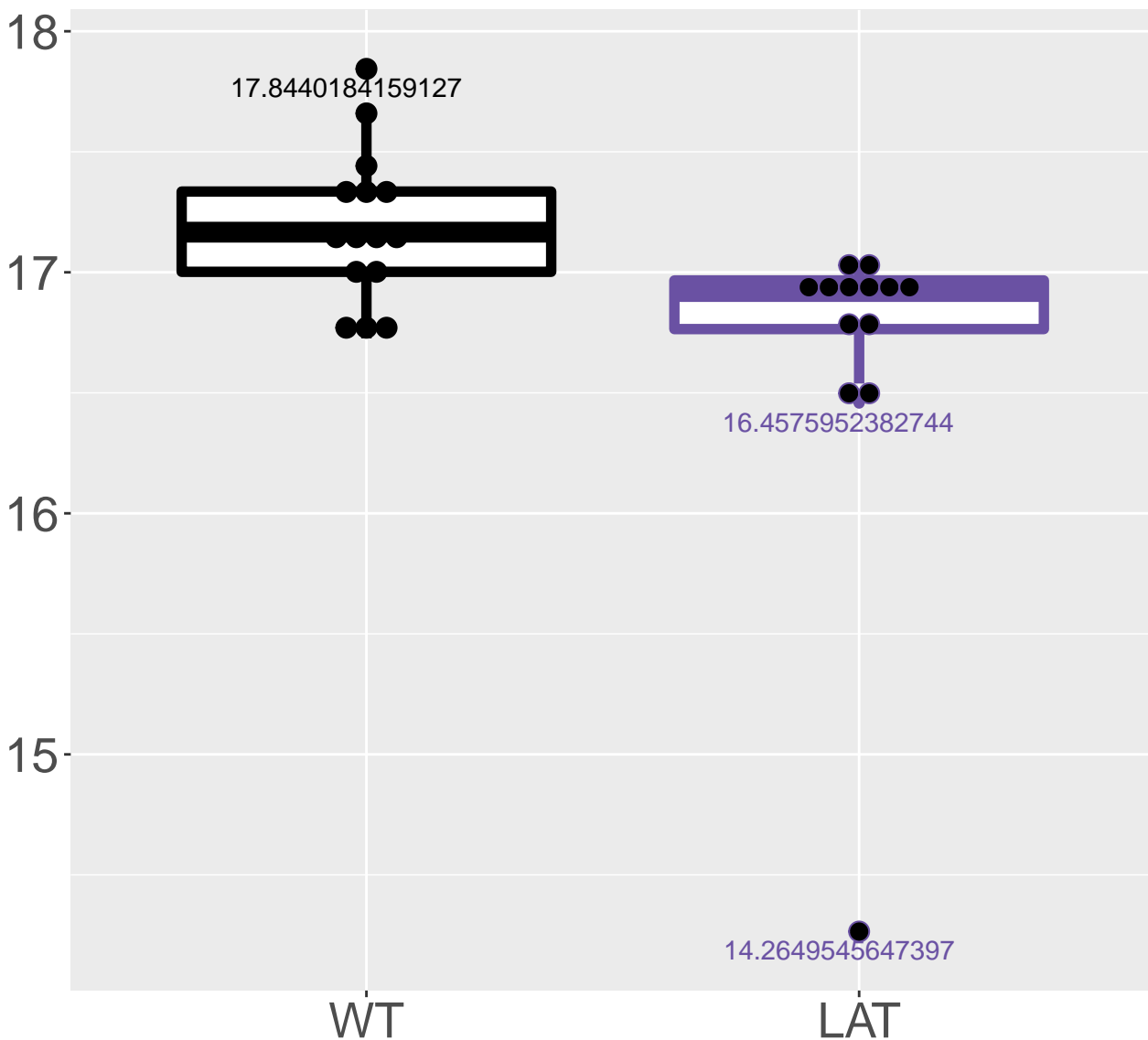


**M129.7033T75.34\_10**

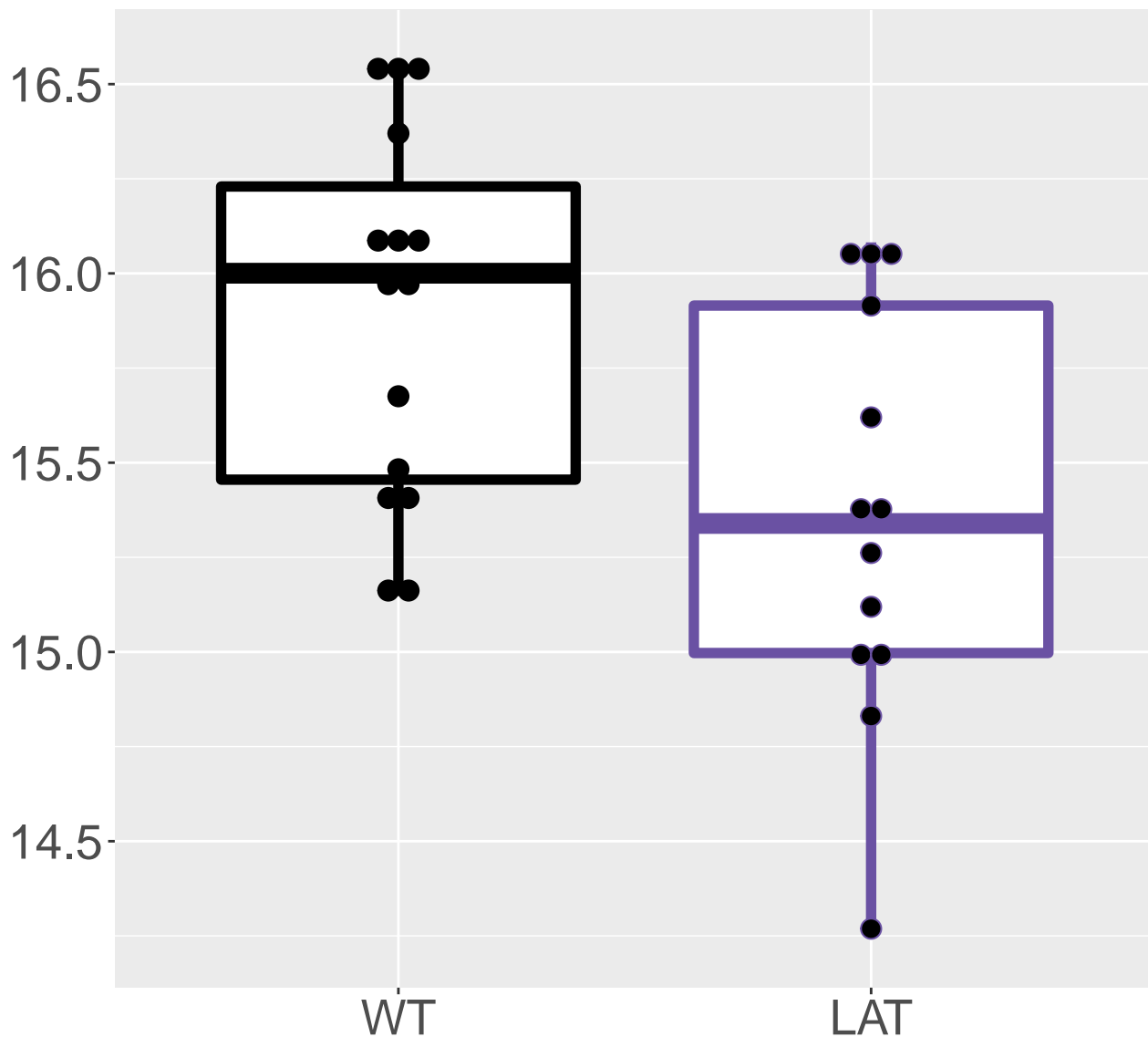
**FDR = 0.037, FC = -0.54**



**FDR = 0.037, FC = -0.54**

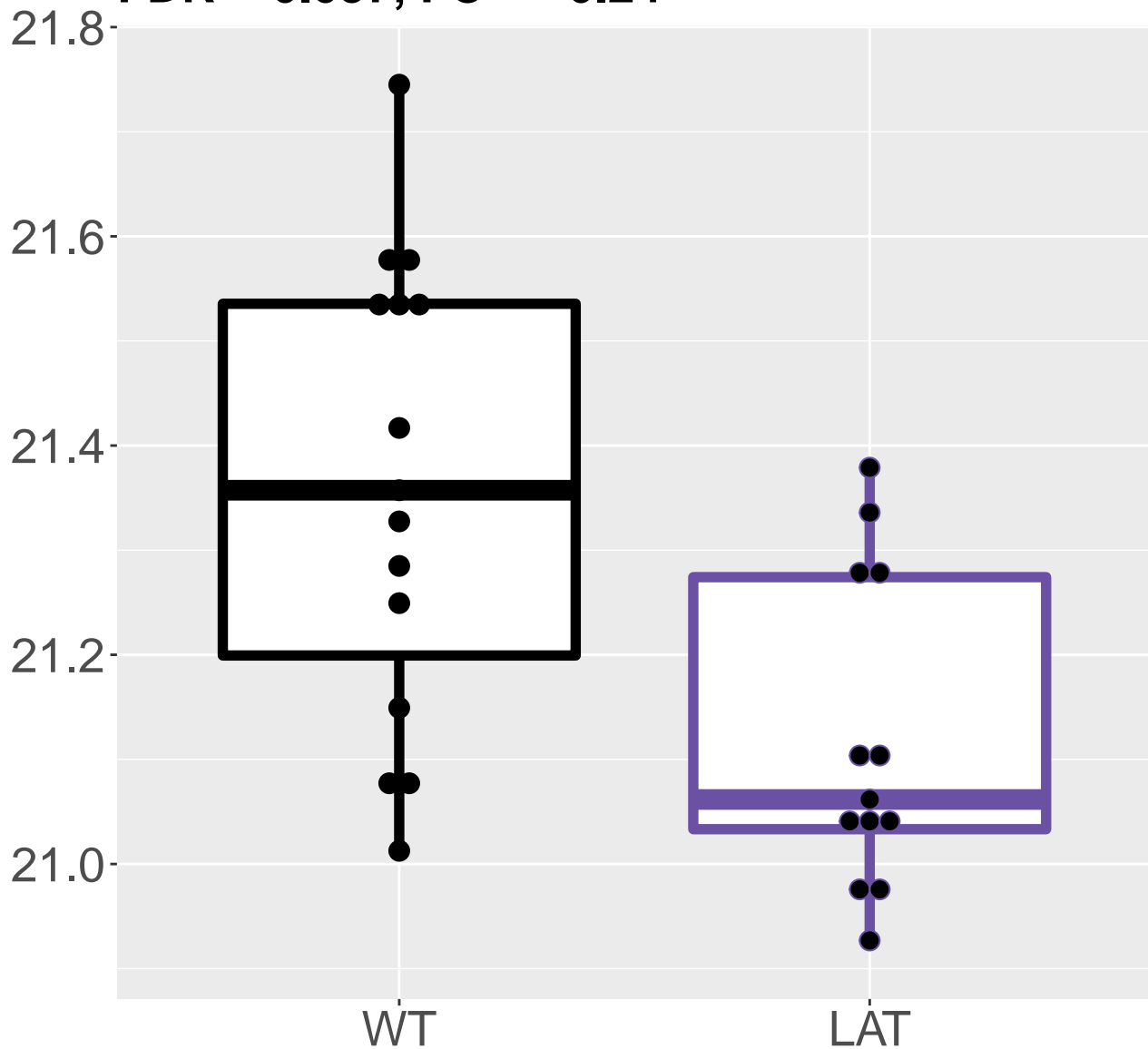


**M170.7324T113.13\_10**  
**FDR = 0.037, FC = -0.52**

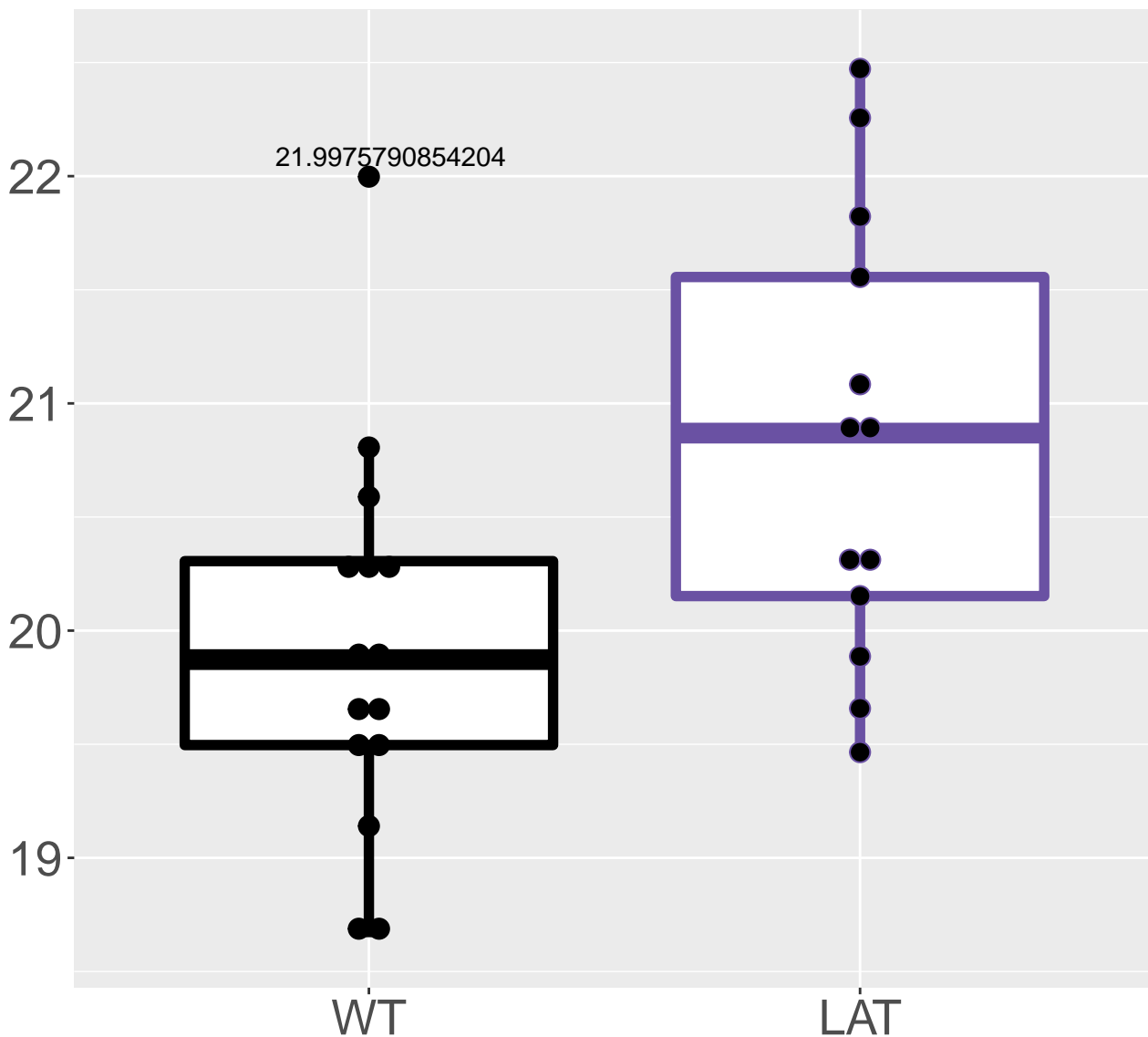


**M705.2245T371.42\_5**

**FDR = 0.037, FC = -0.24**

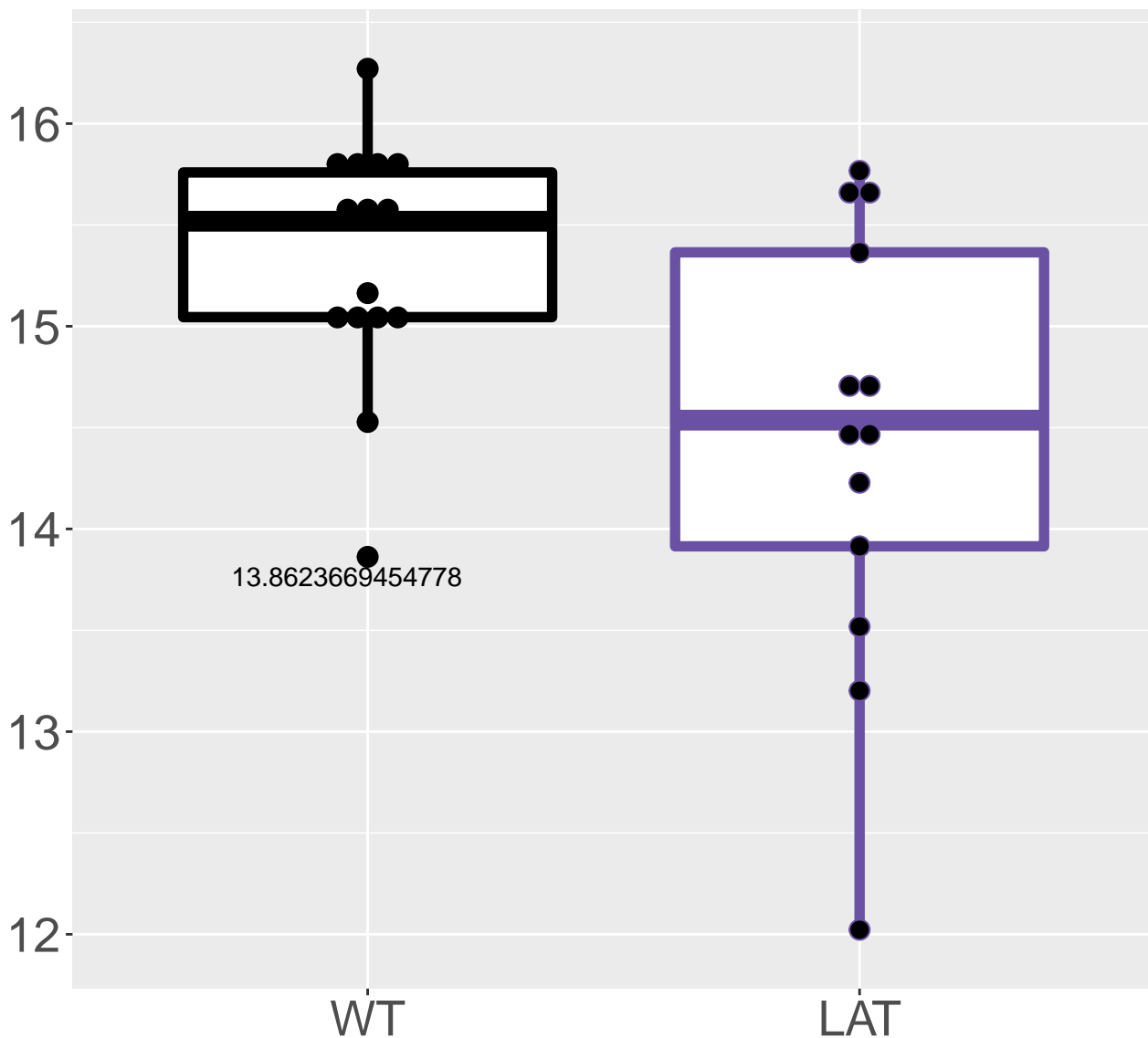


**M125.987T39.51**  
**FDR = 0.037, FC = 0.9**

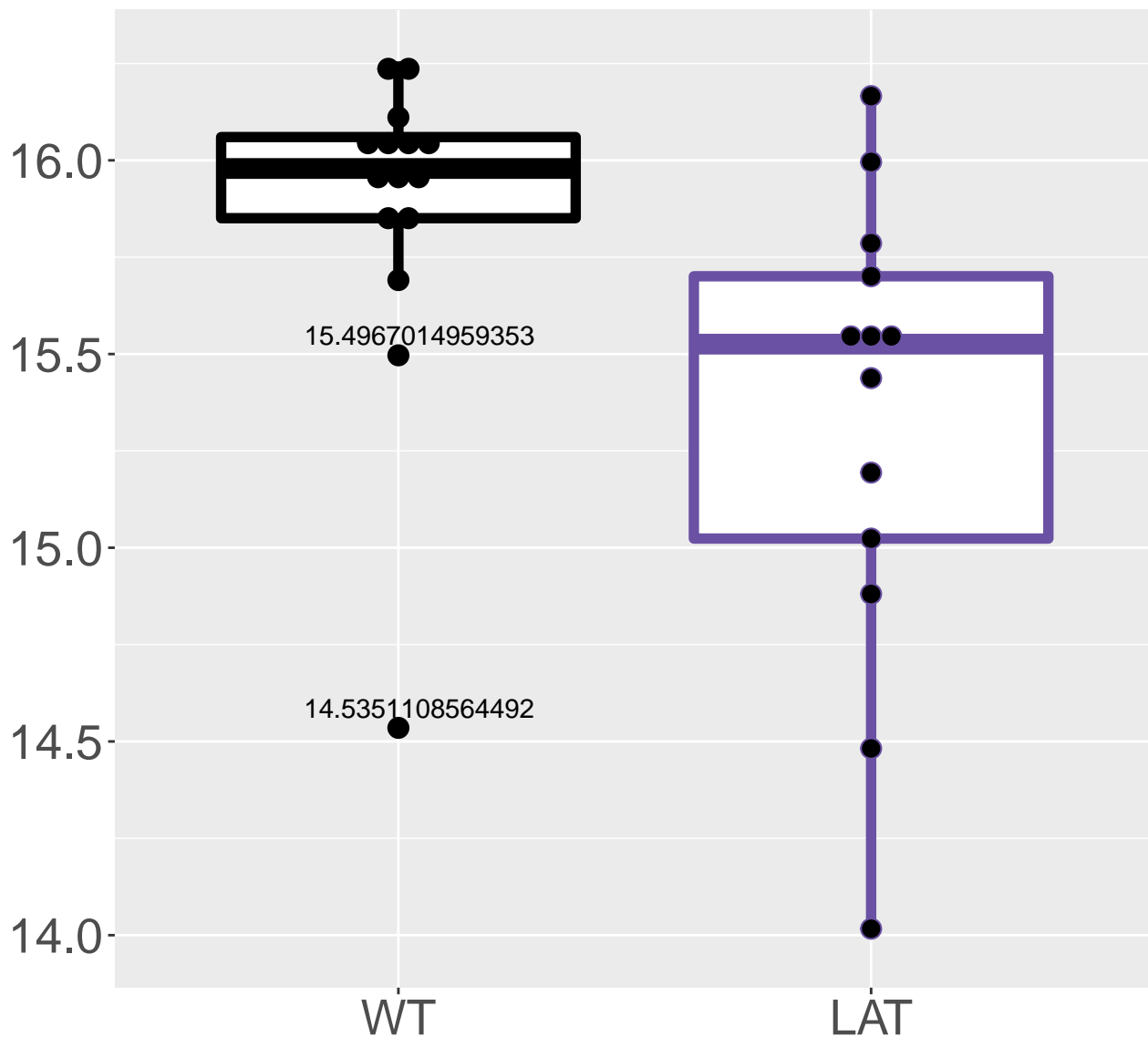


**M278.1247T51.22**

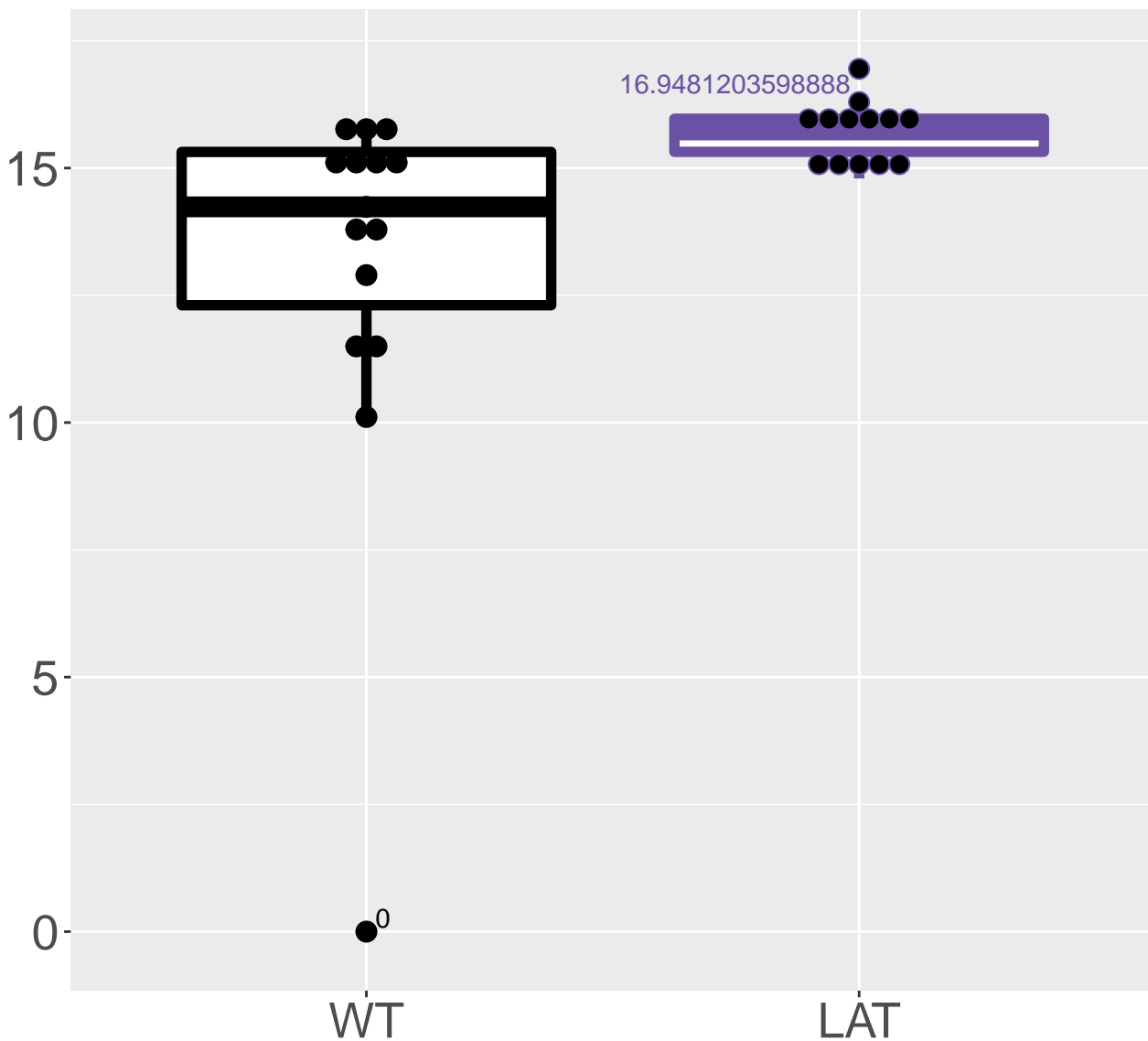
**FDR = 0.037, FC = -0.89**



**M160.0469T113.11\_26**  
**FDR = 0.037, FC = -0.54**

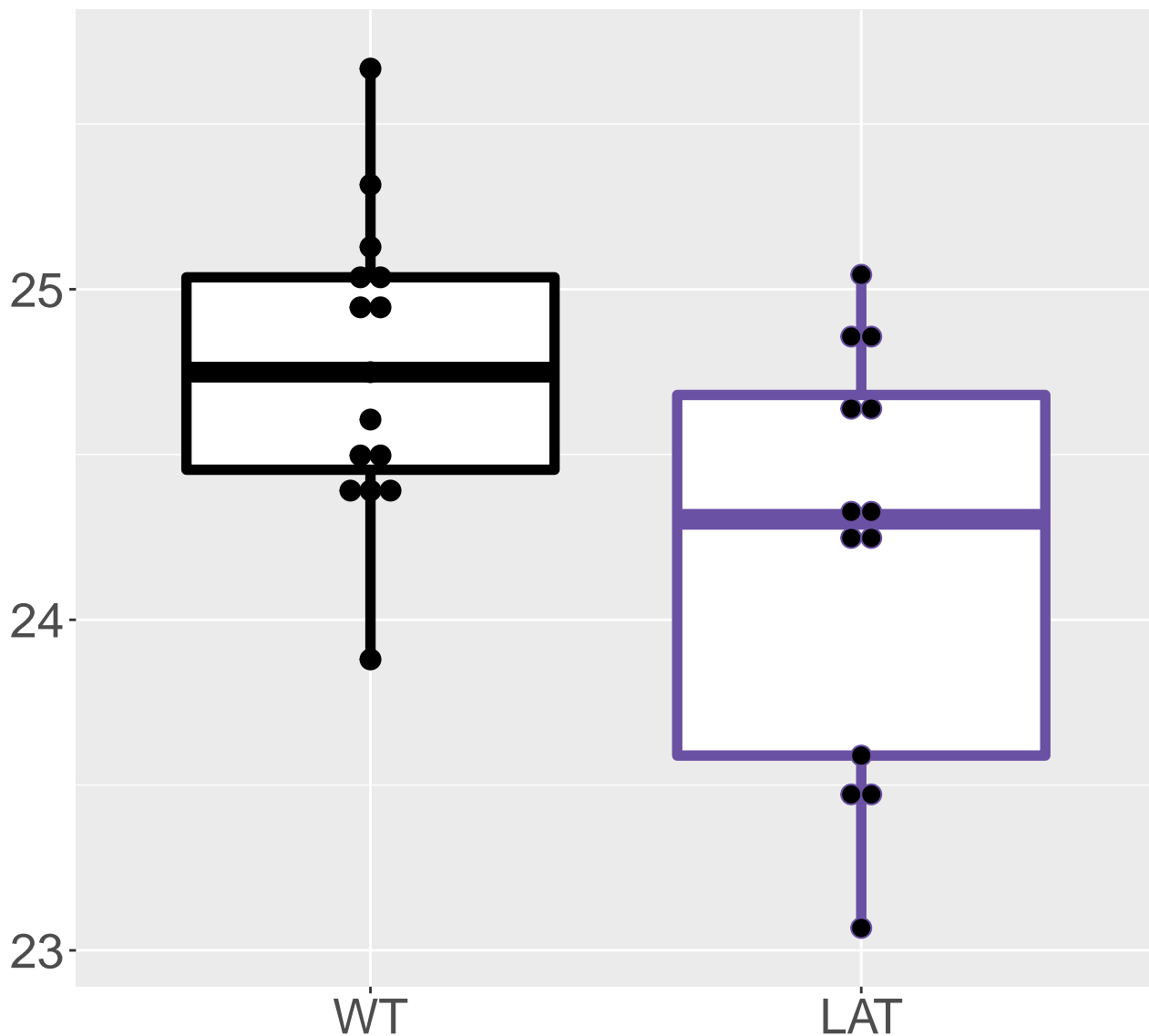


**FDR = 0.037, FC = 2.7**

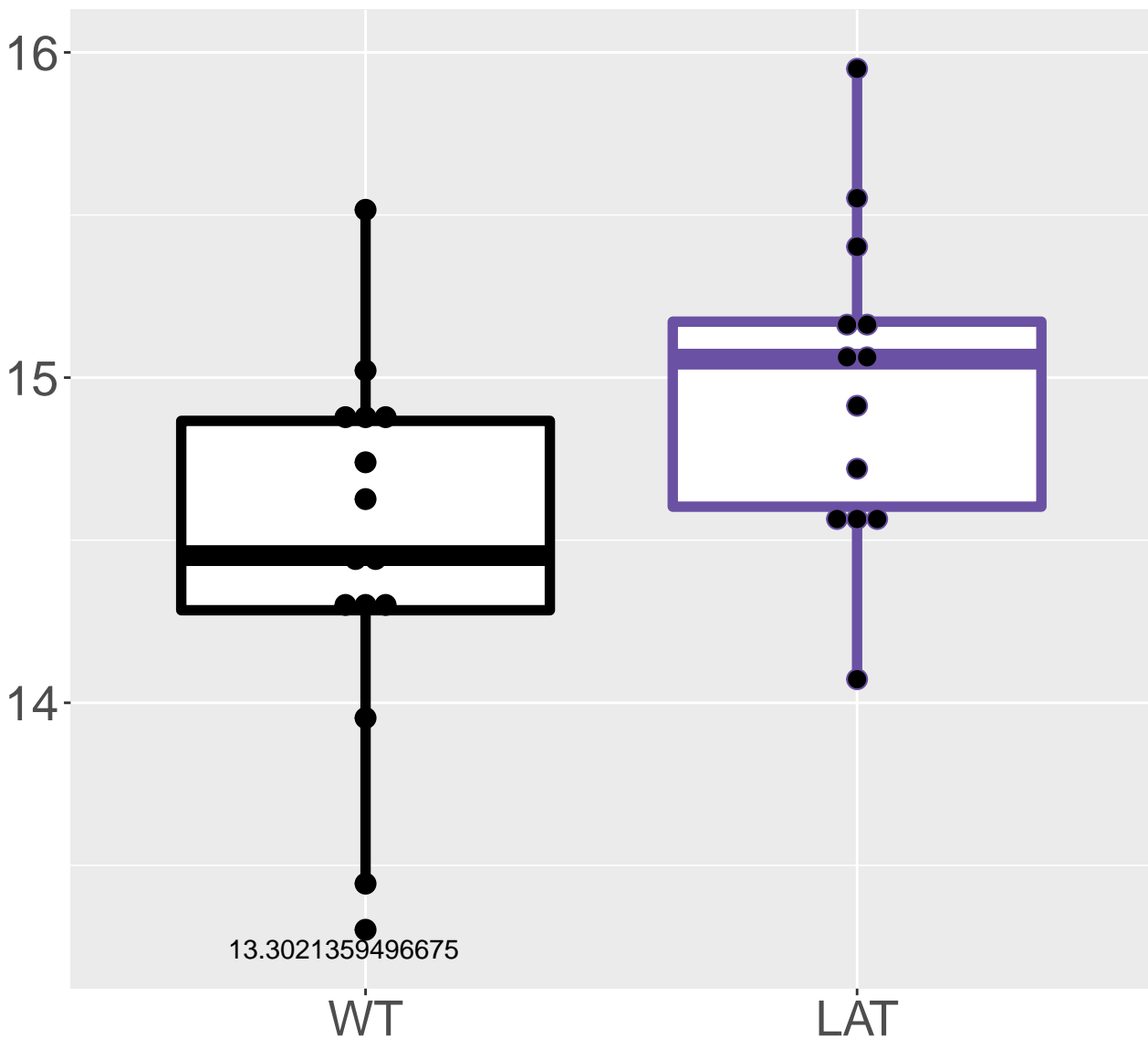




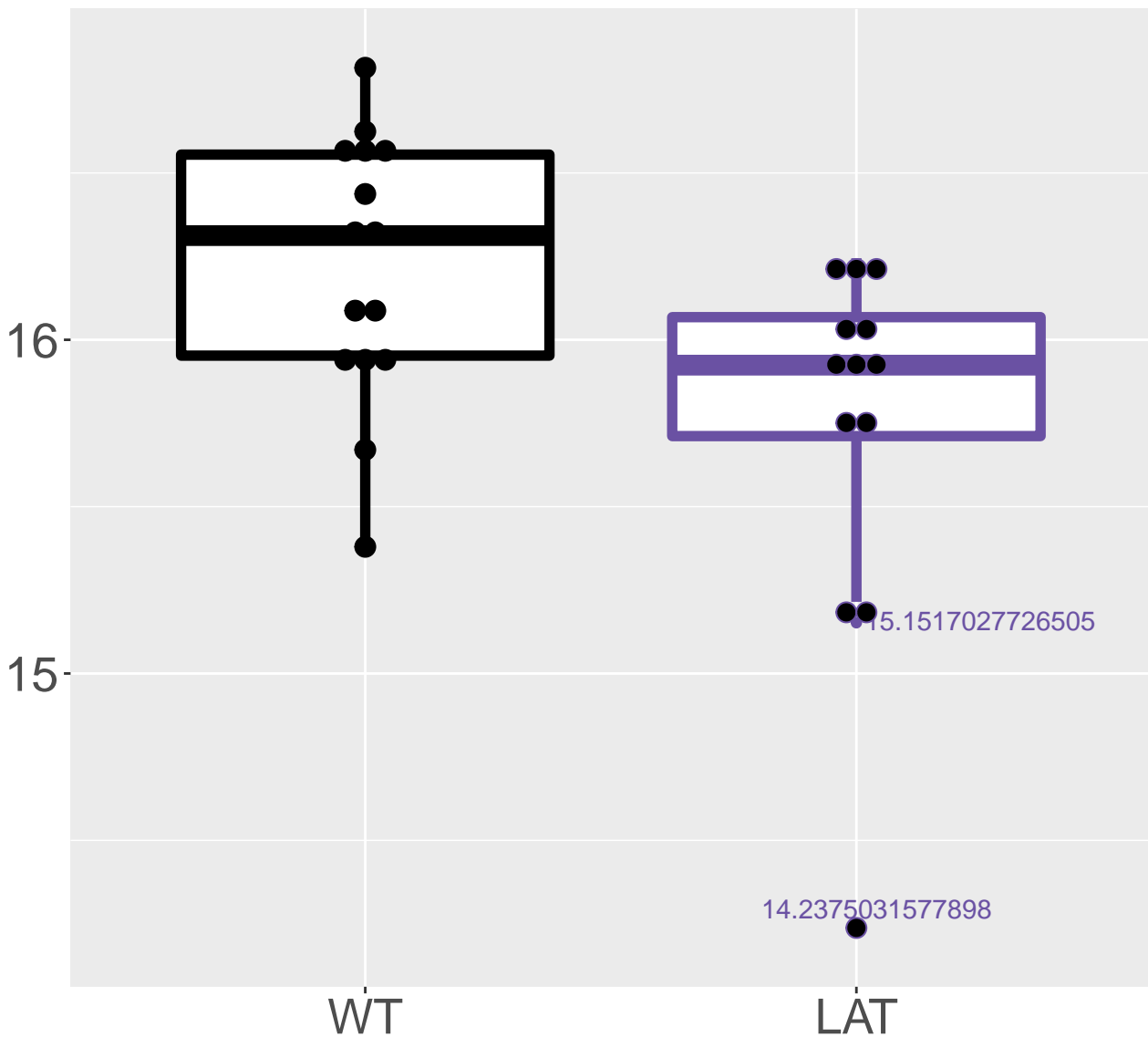
**O-Acetyl-L-serine|N-Methyl-D-aspartic acid;N**  
**FDR = 0.037, FC = -0.55**



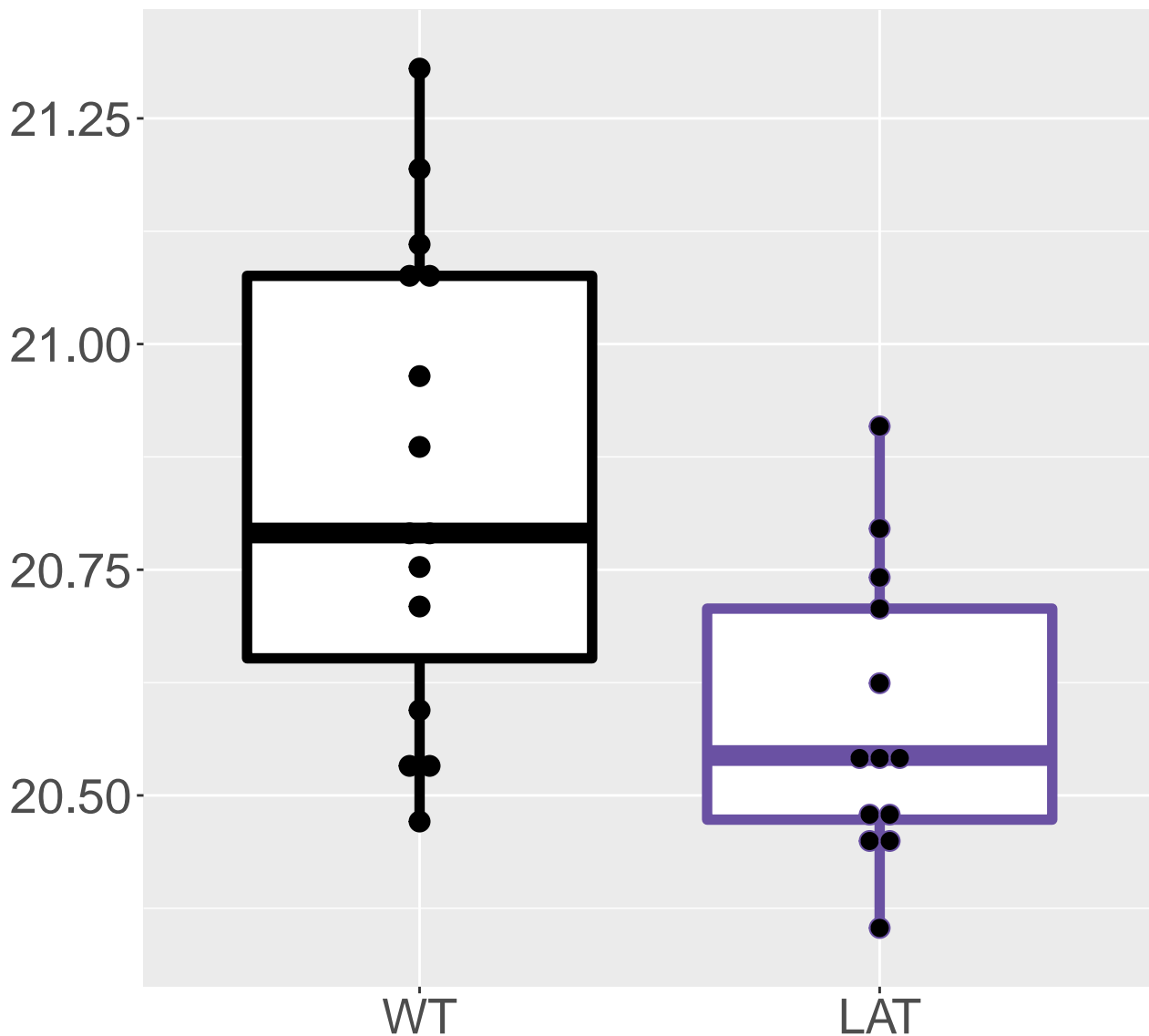
**M328.141T242.04**  
**FDR = 0.037, FC = 0.51**



**M168.7925T113.3\_14**  
**FDR = 0.037, FC = -0.48**

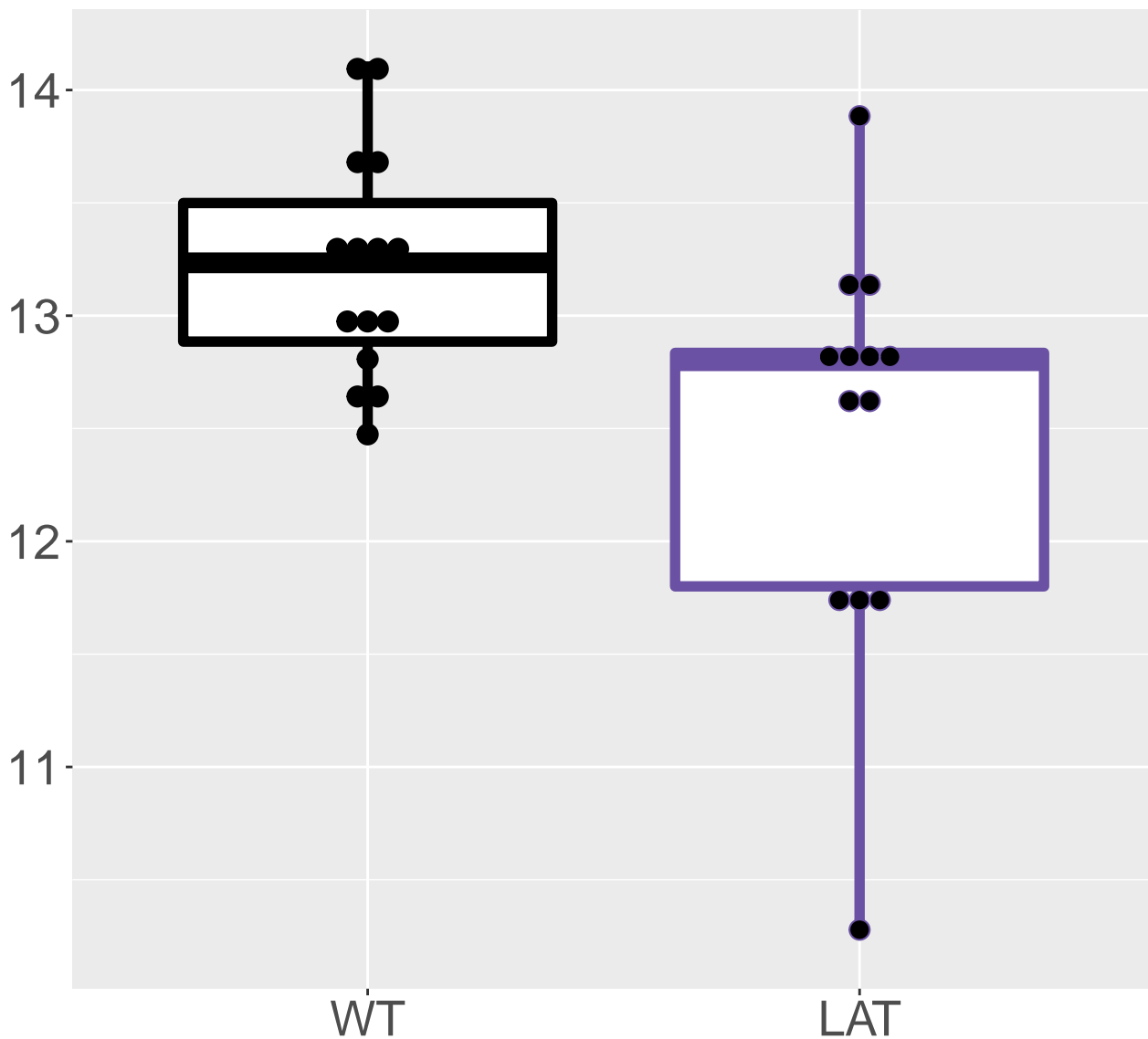


**M651.0545T371.38\_6**  
**FDR = 0.038, FC = -0.27**



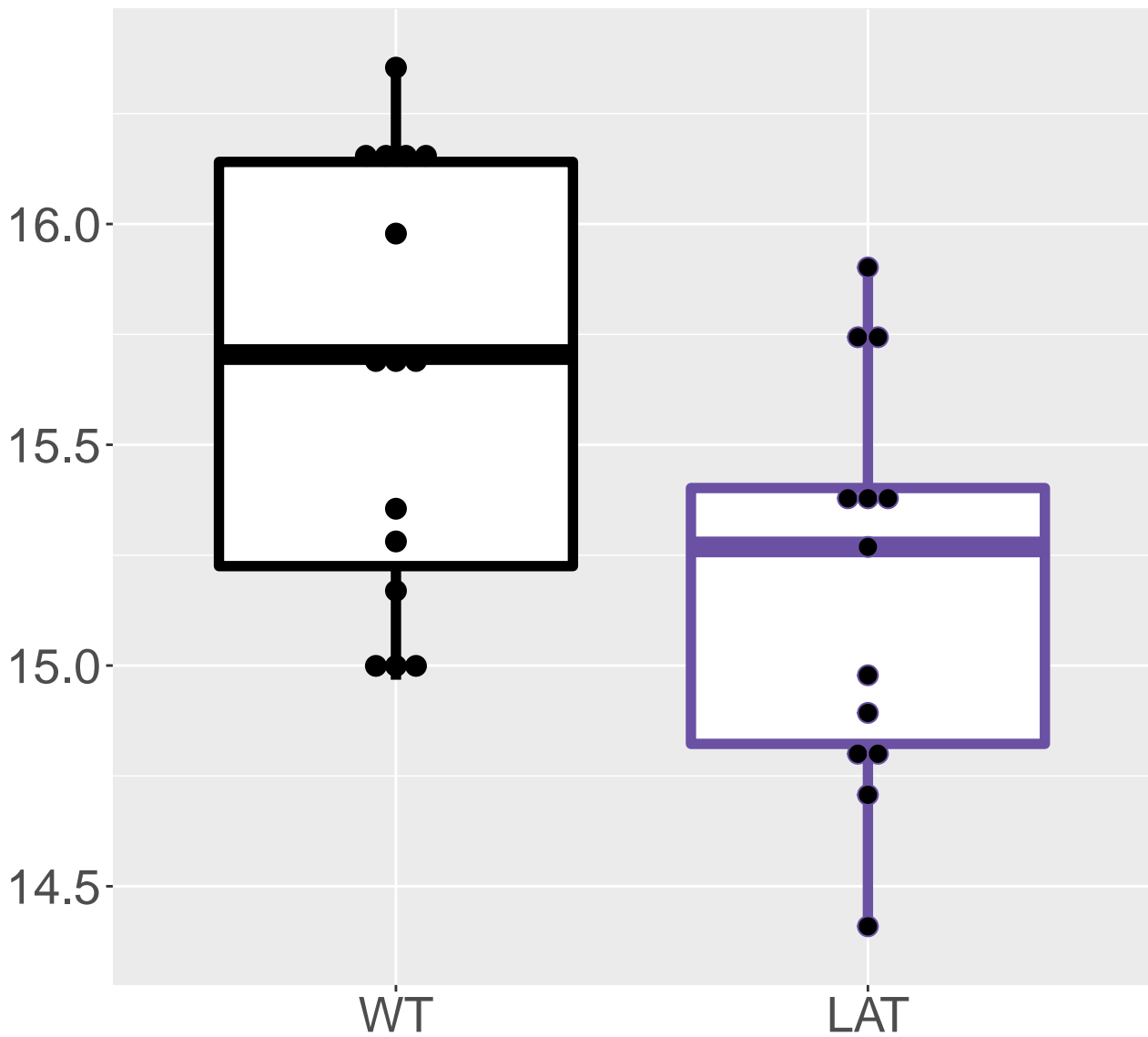
**M545.6994T355.06**

**FDR = 0.038, FC = -0.74**

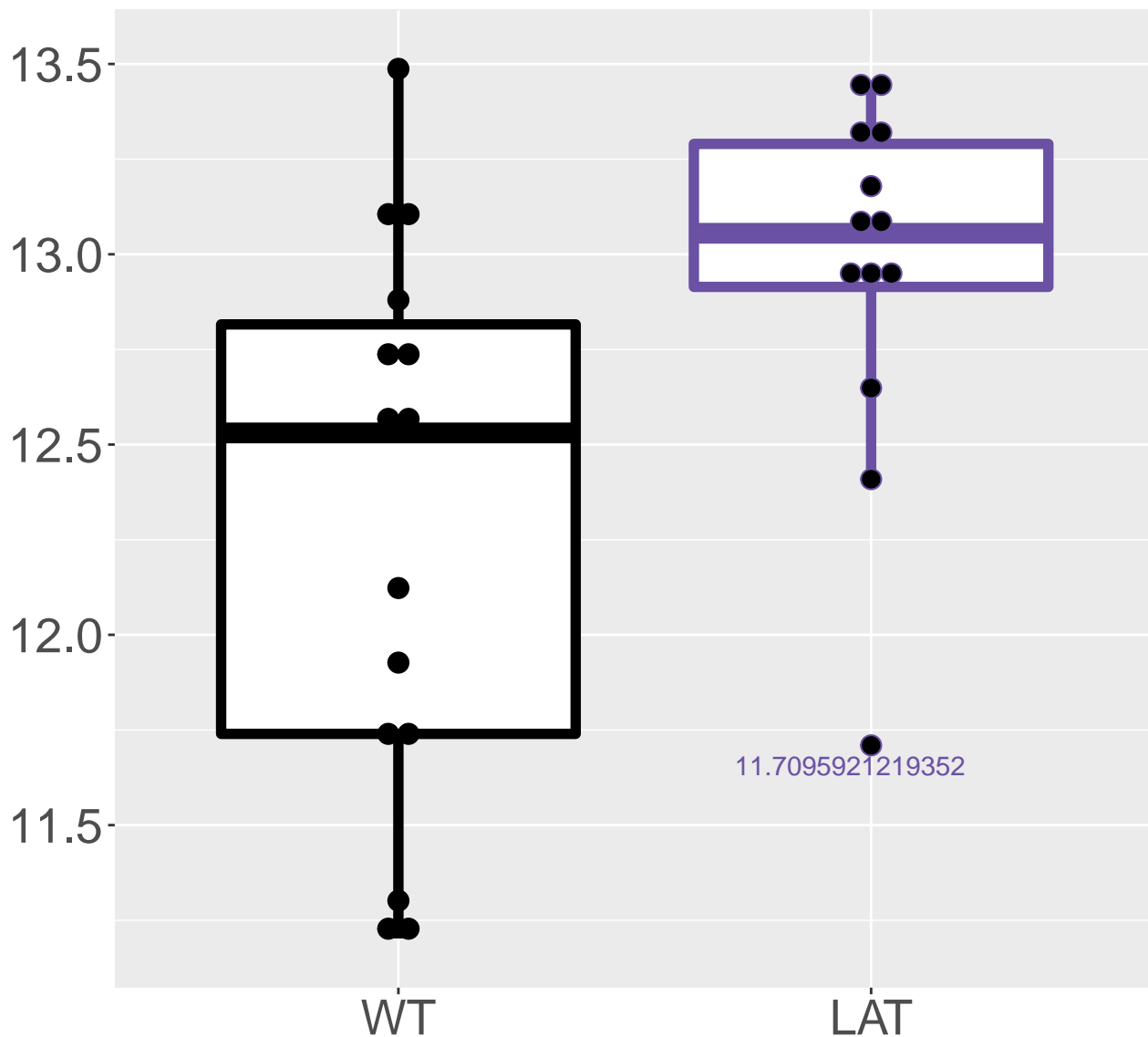


**M171.9673T113.22\_14**

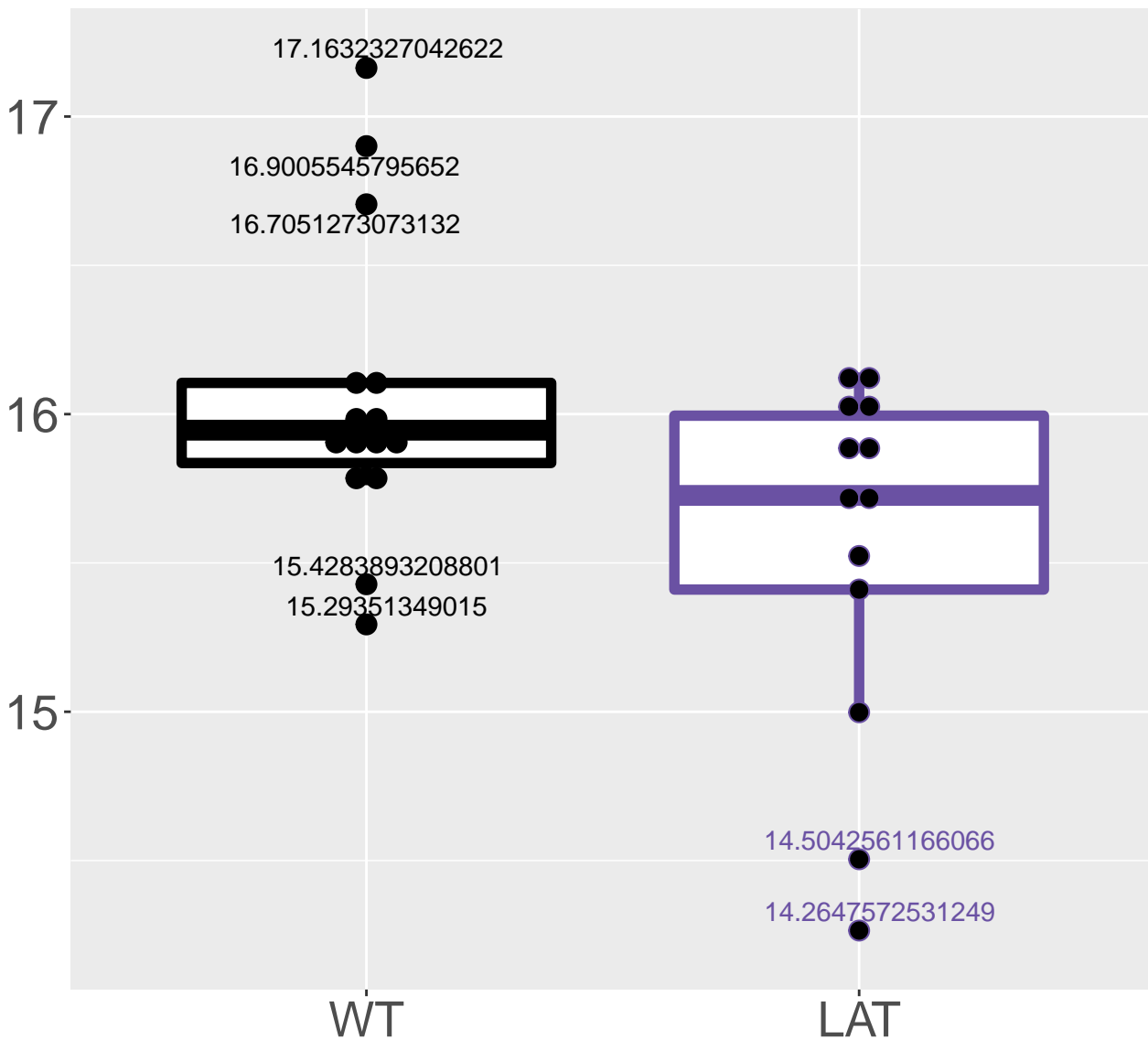
**FDR = 0.038, FC = -0.47**



**M264.1831T286.08**  
**FDR = 0.038, FC = 0.66**

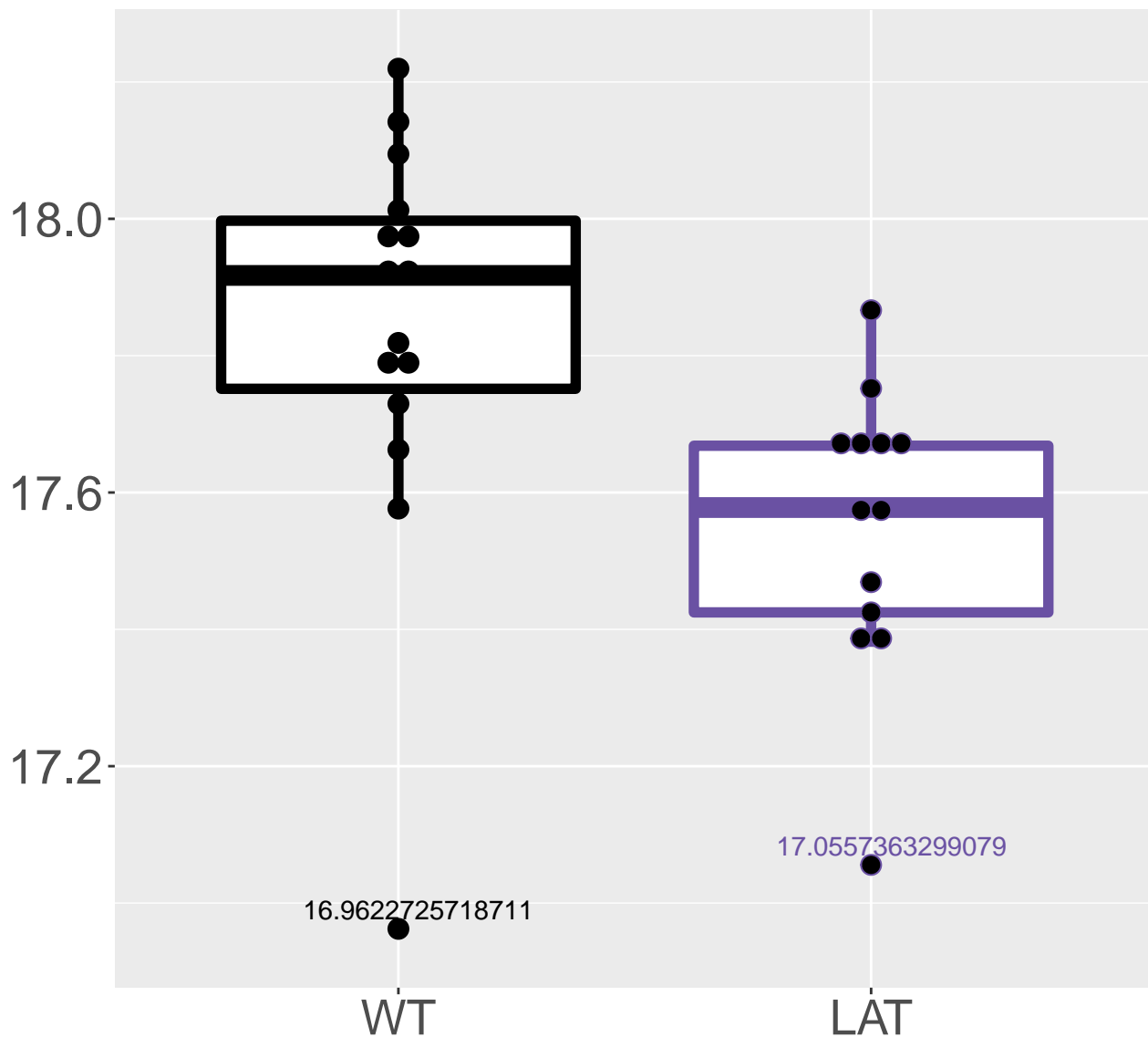


**M170.382T113.15\_43**  
**FDR = 0.038, FC = -0.5**



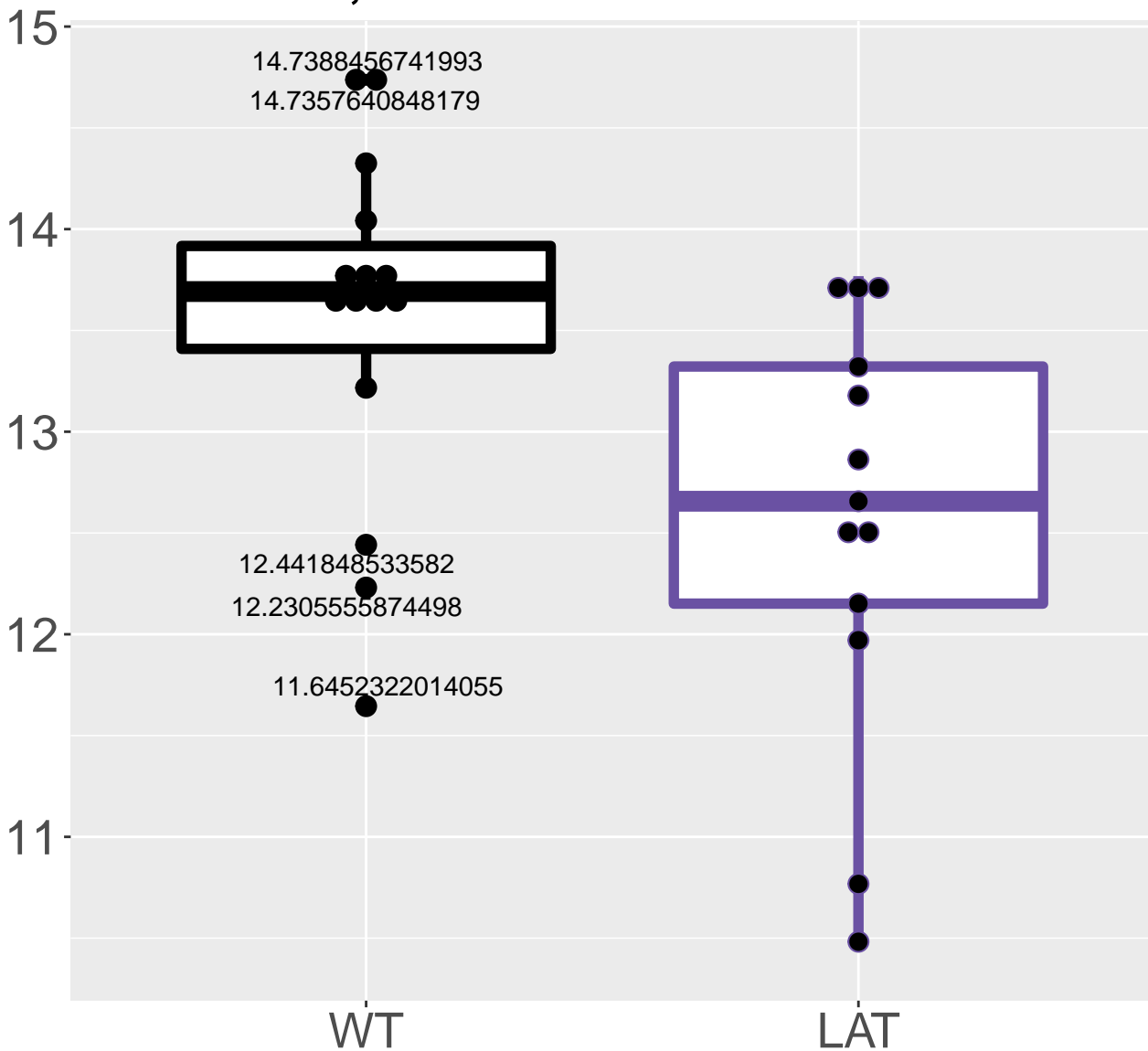


**M264.9885T74.94**  
**FDR = 0.038, FC = -0.29**



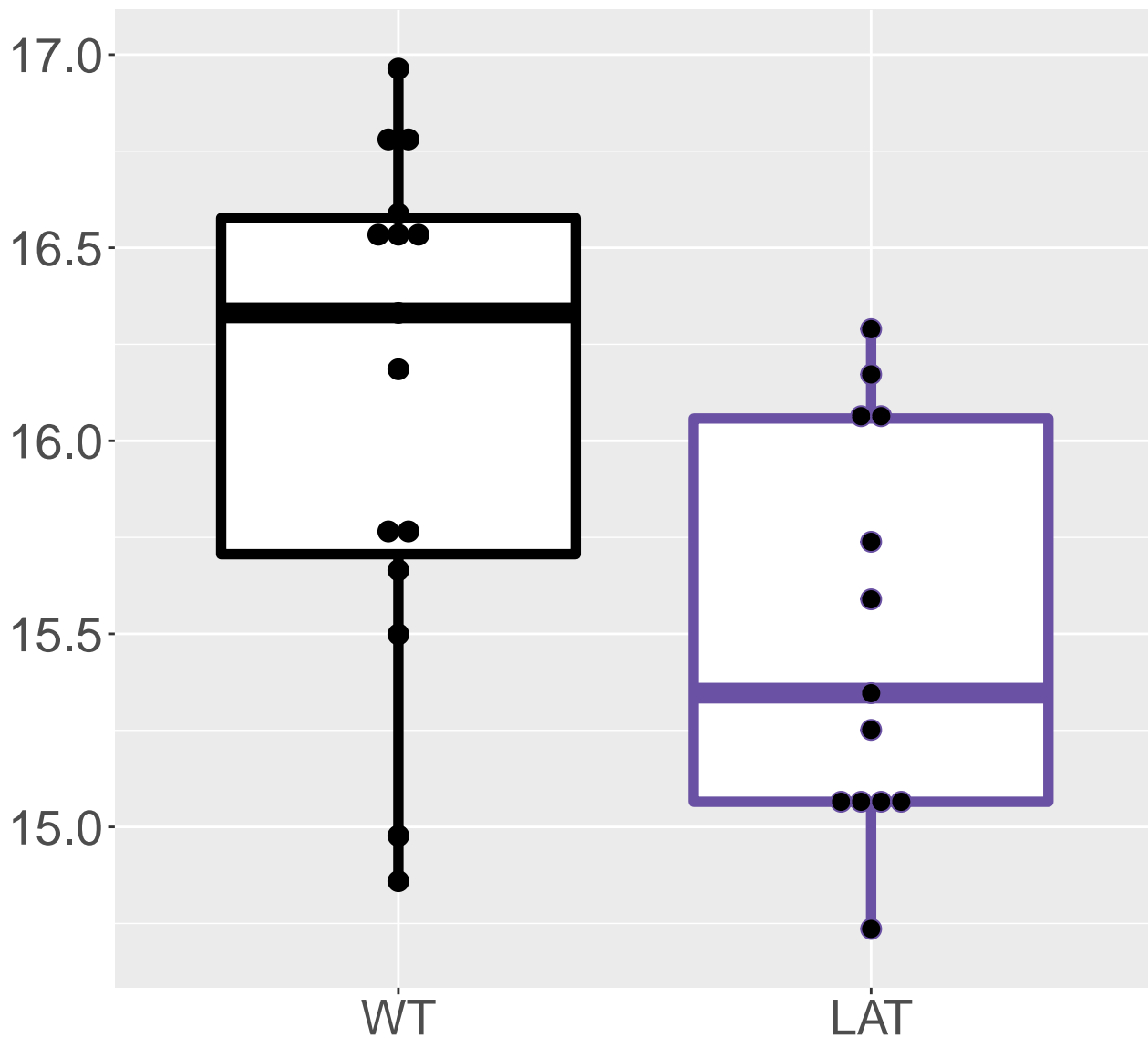
**M596.5656T356.49**

**FDR = 0.038, FC = -0.98**

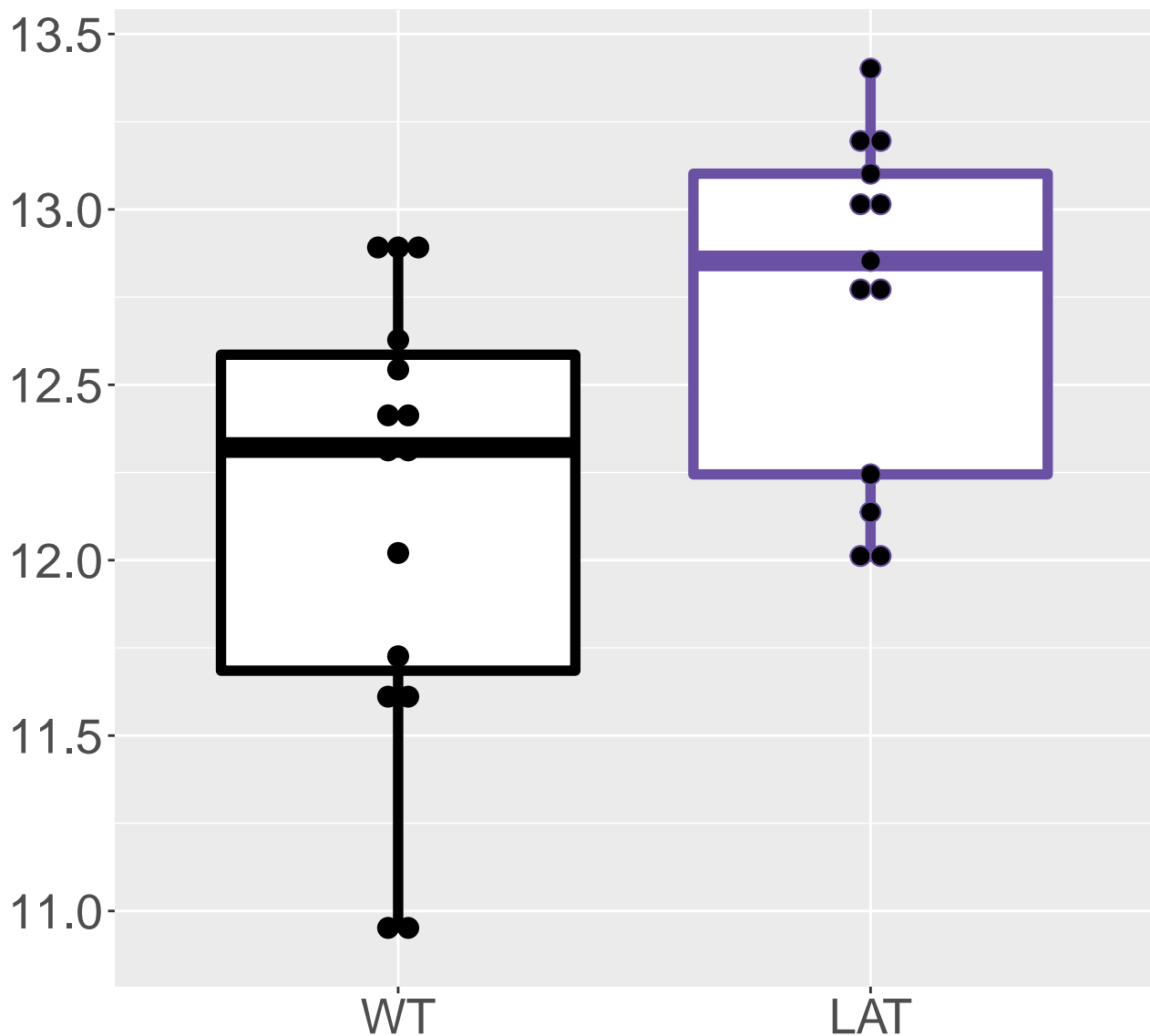


**M168.6632T113.22\_9**

**FDR = 0.038, FC = -0.62**

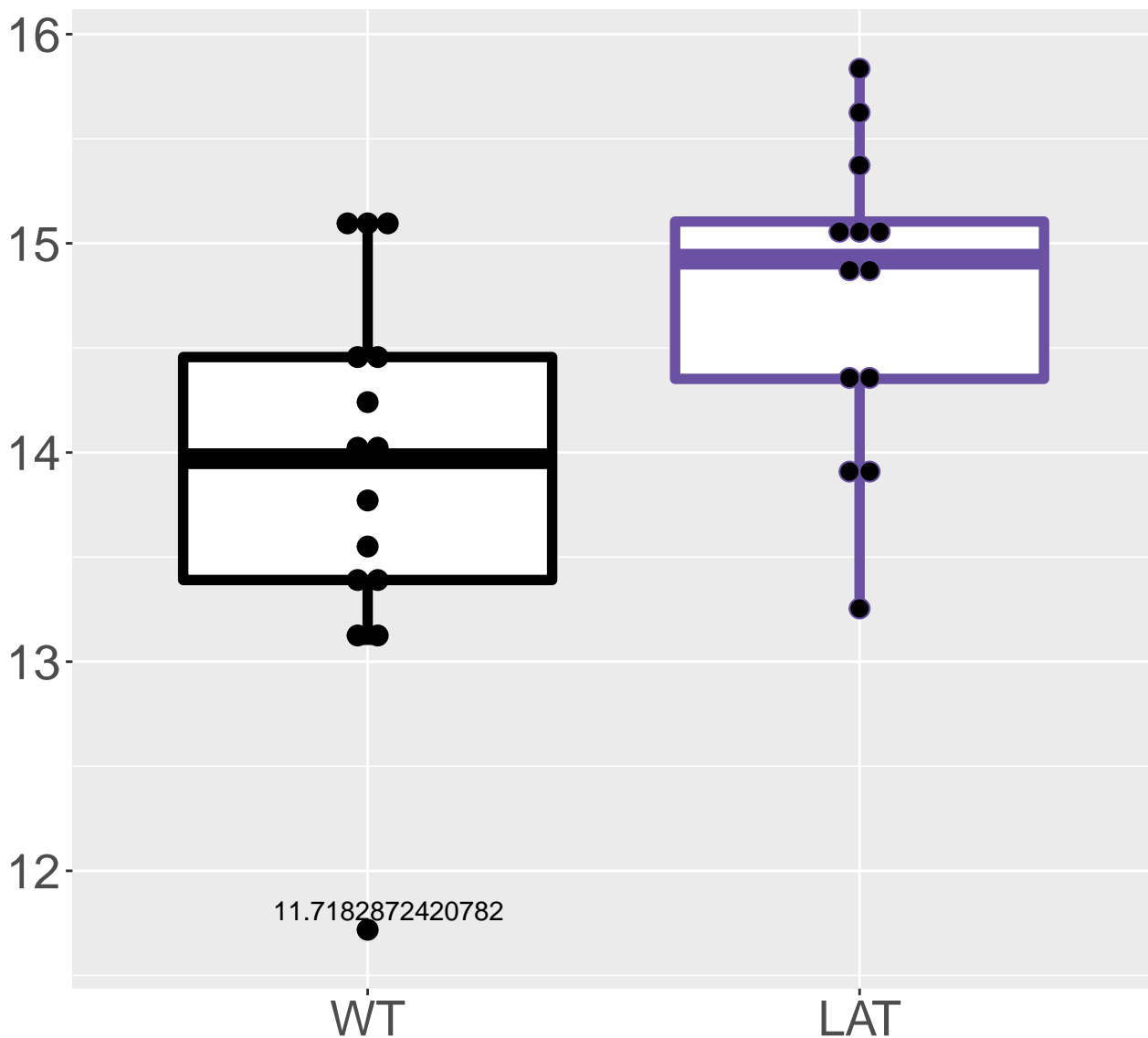


**M434.7198T317.52**  
**FDR = 0.038, FC = 0.6**



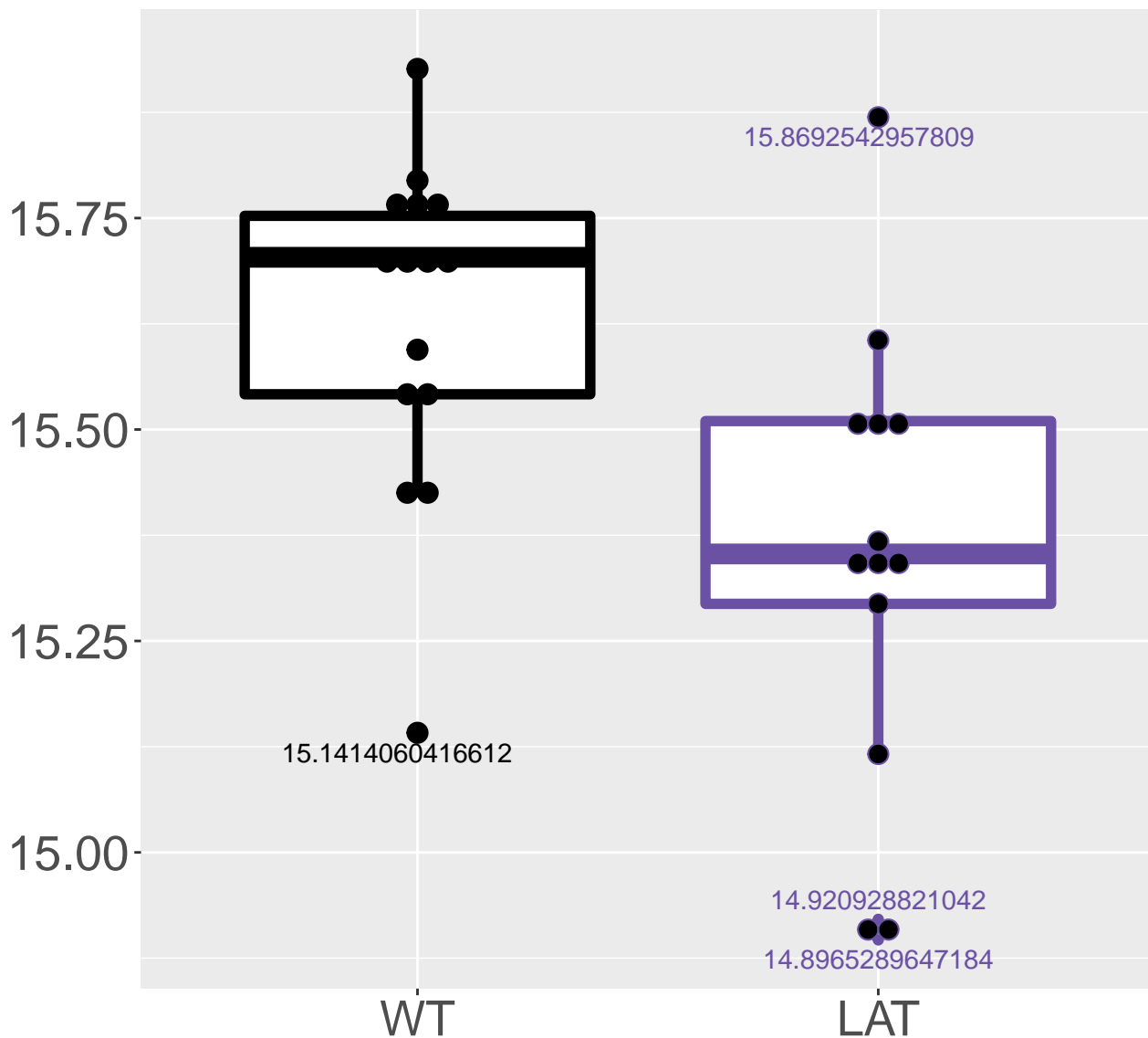
**M610.238T483.53**

**FDR = 0.038, FC = 0.83**

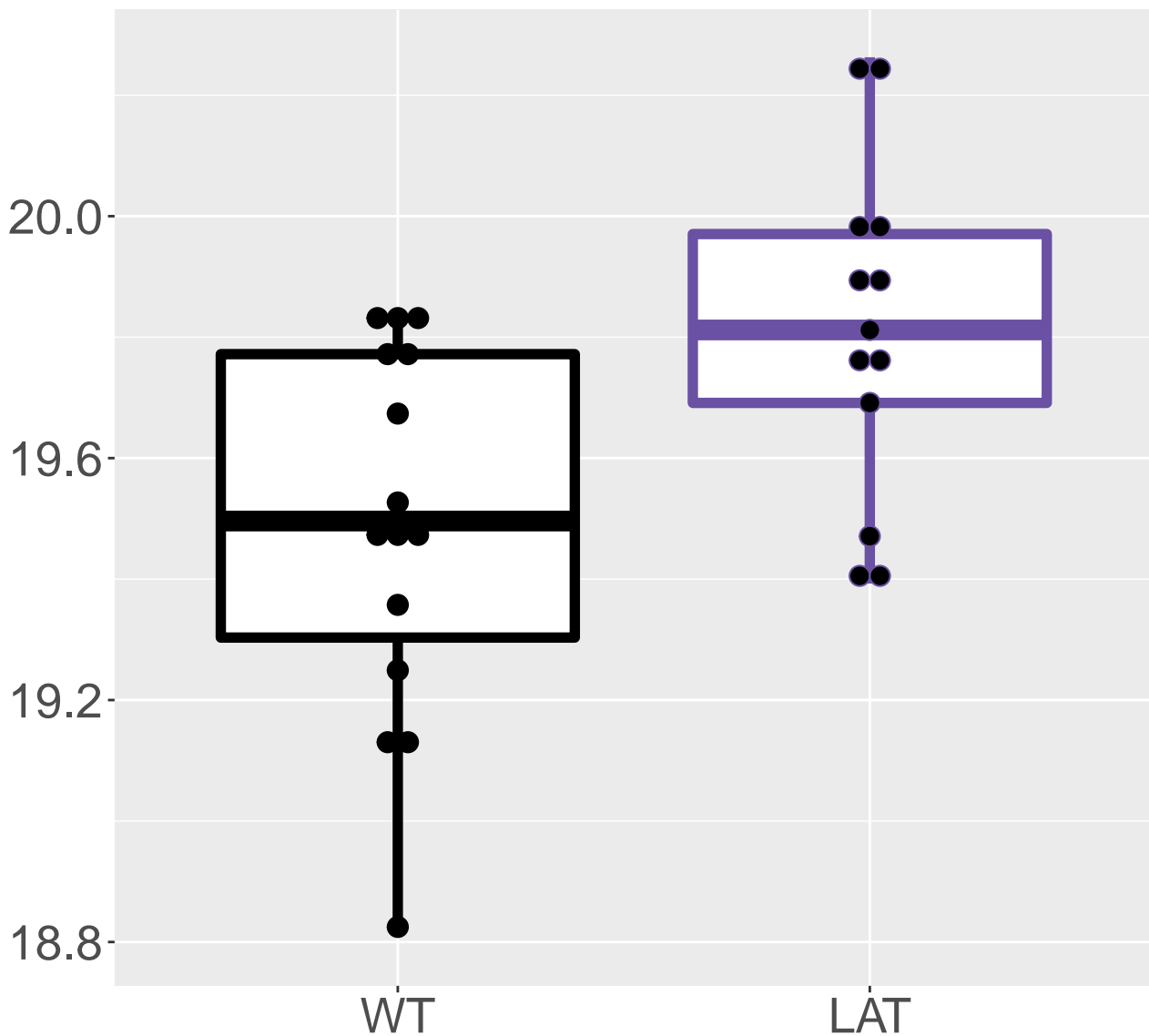


**M253.0446T42.66**

**FDR = 0.038, FC = -0.28**

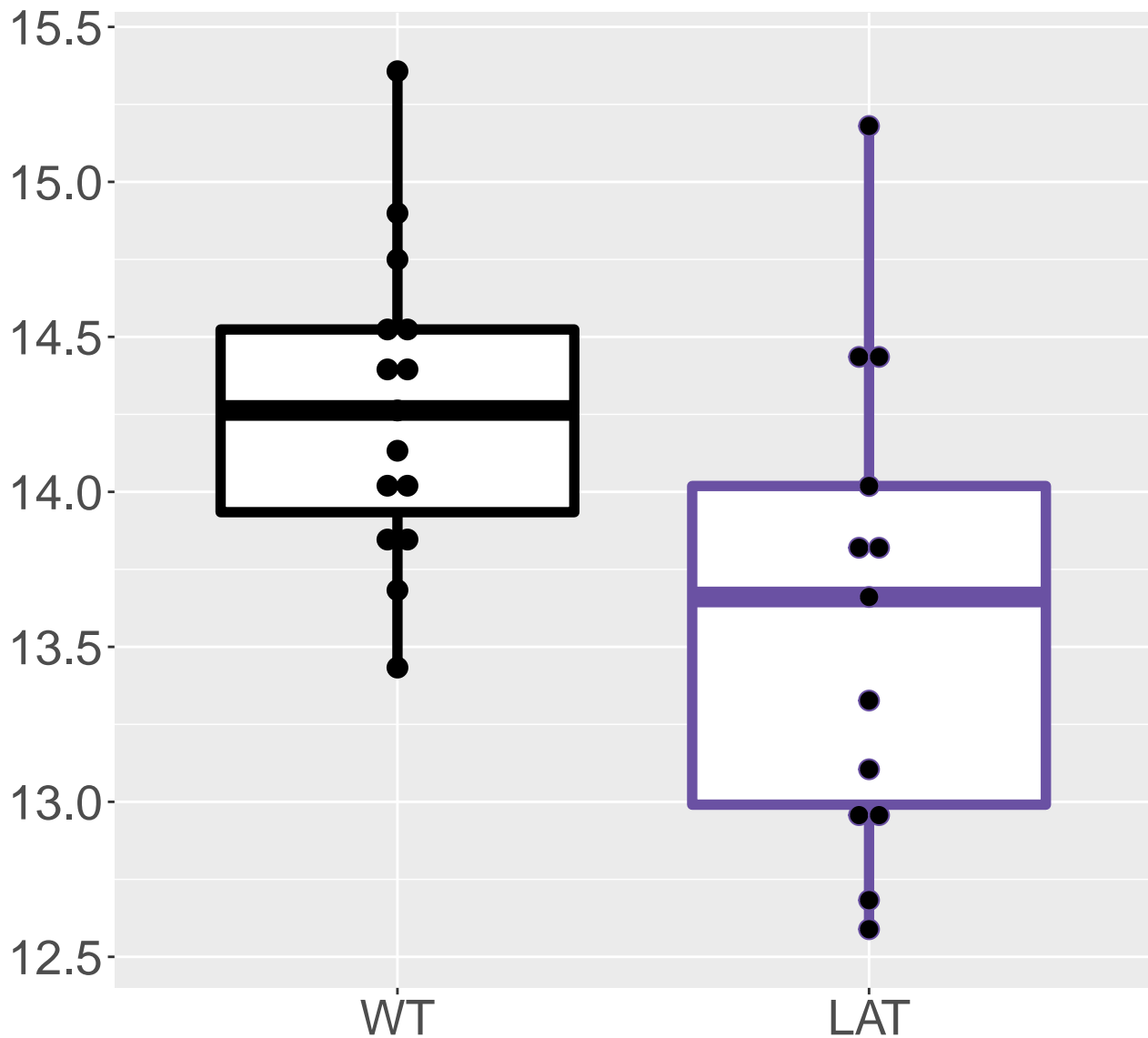


**M270.1195T48.94**  
**FDR = 0.038, FC = 0.32**



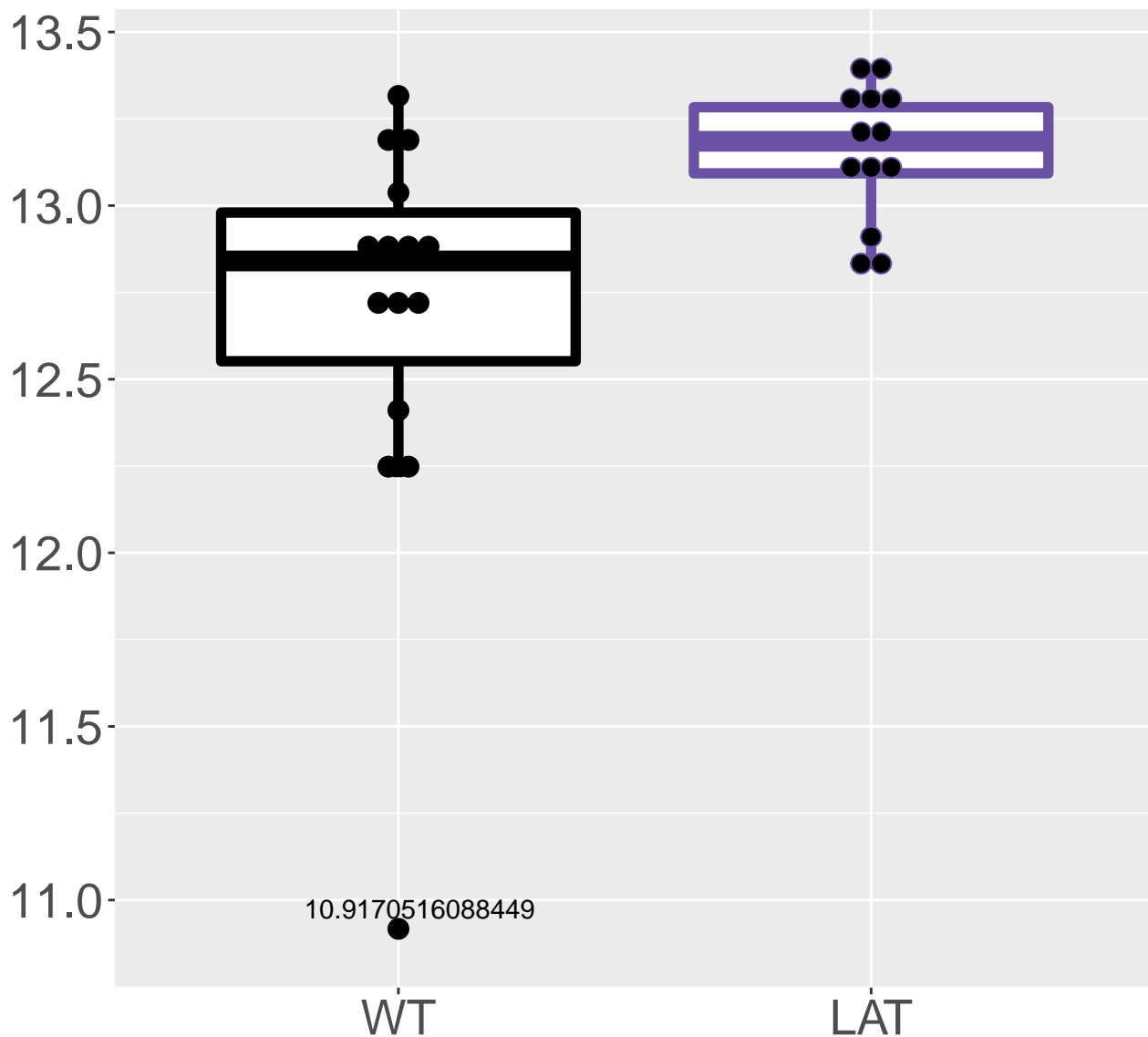
**M557.2569T218.41**

**FDR = 0.038, FC = -0.66**

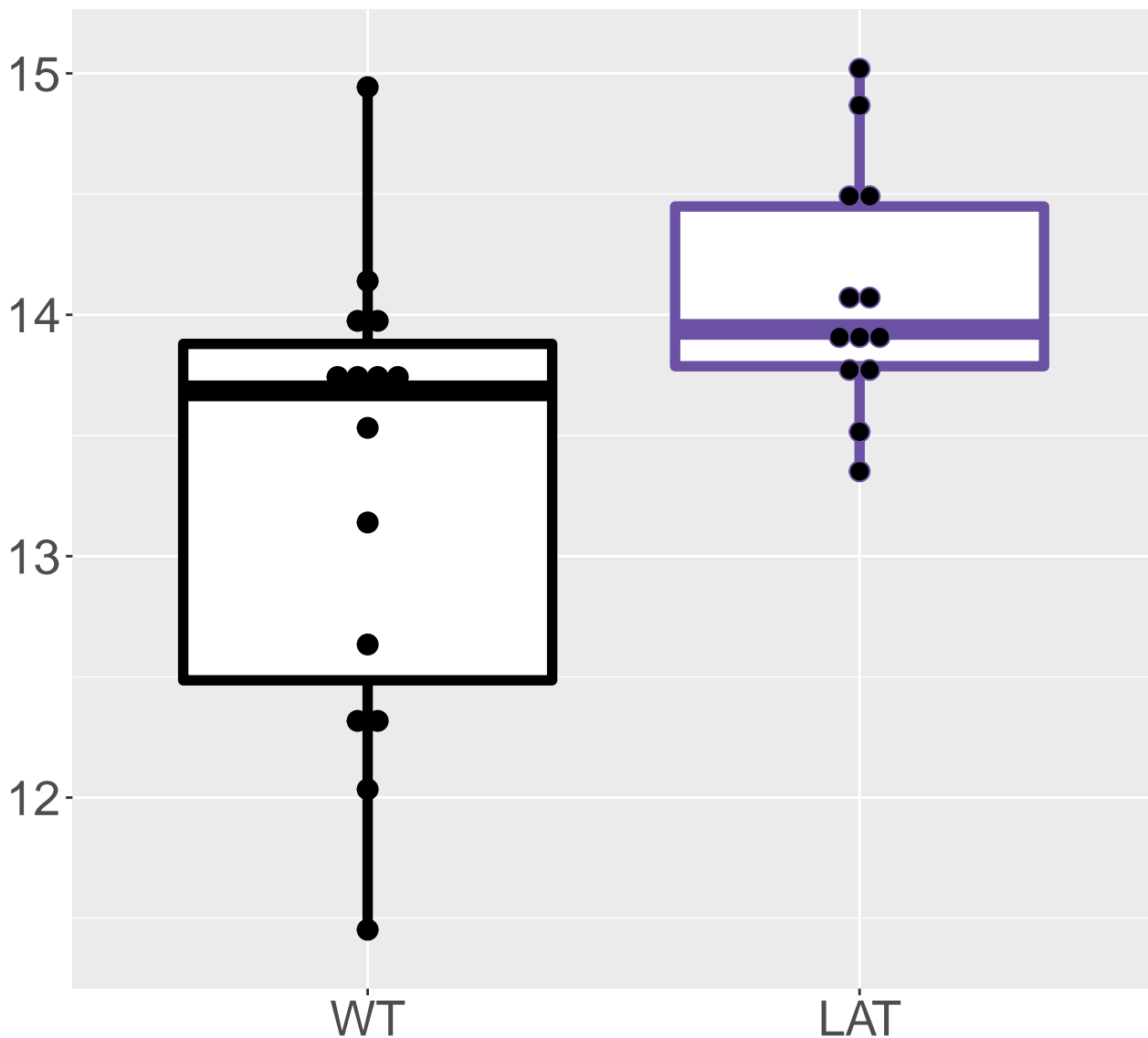




**M615.8548T246.68**  
**FDR = 0.038, FC = 0.48**

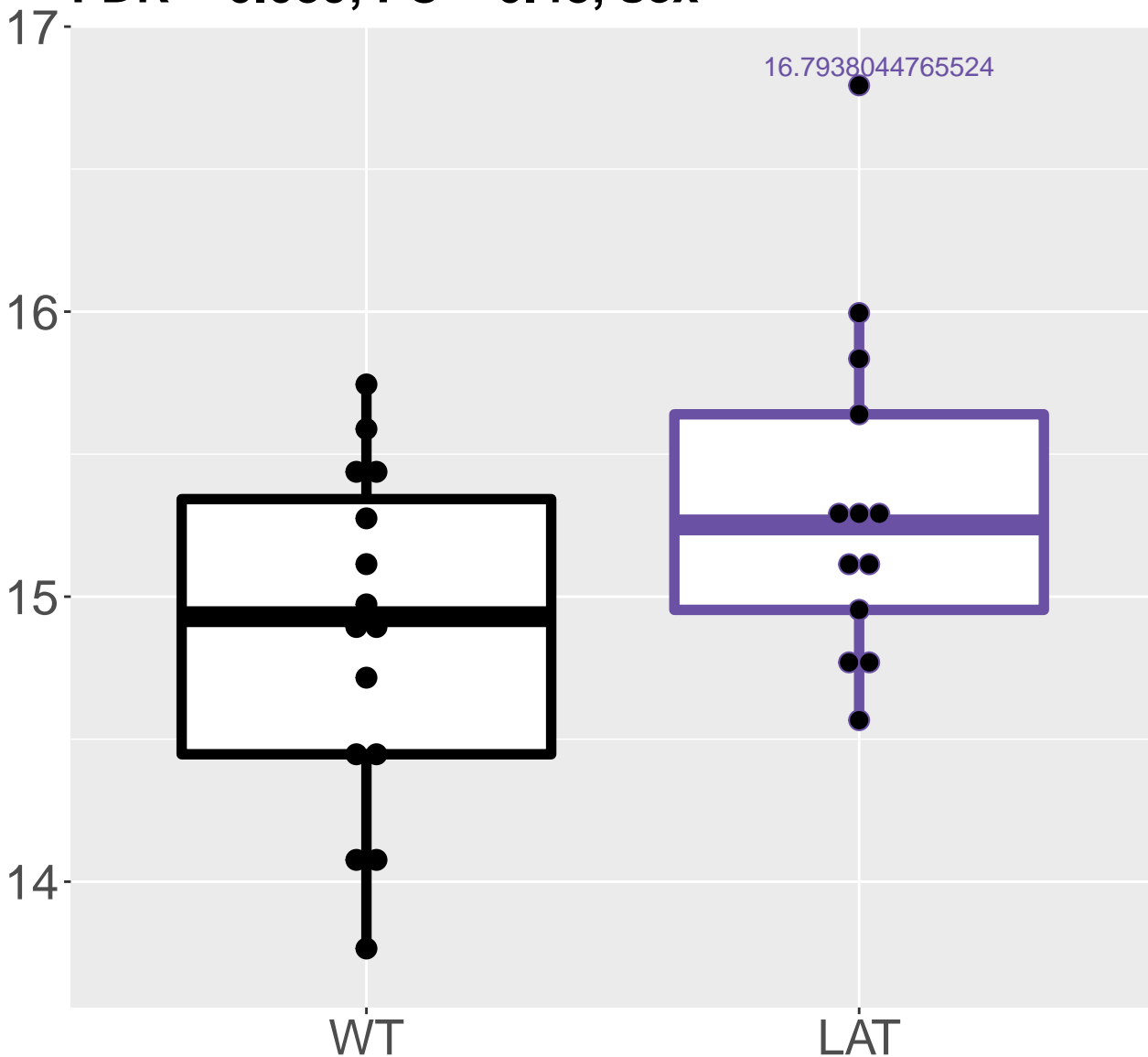


**M536.2984T489.91**  
**FDR = 0.039, FC = 0.79**

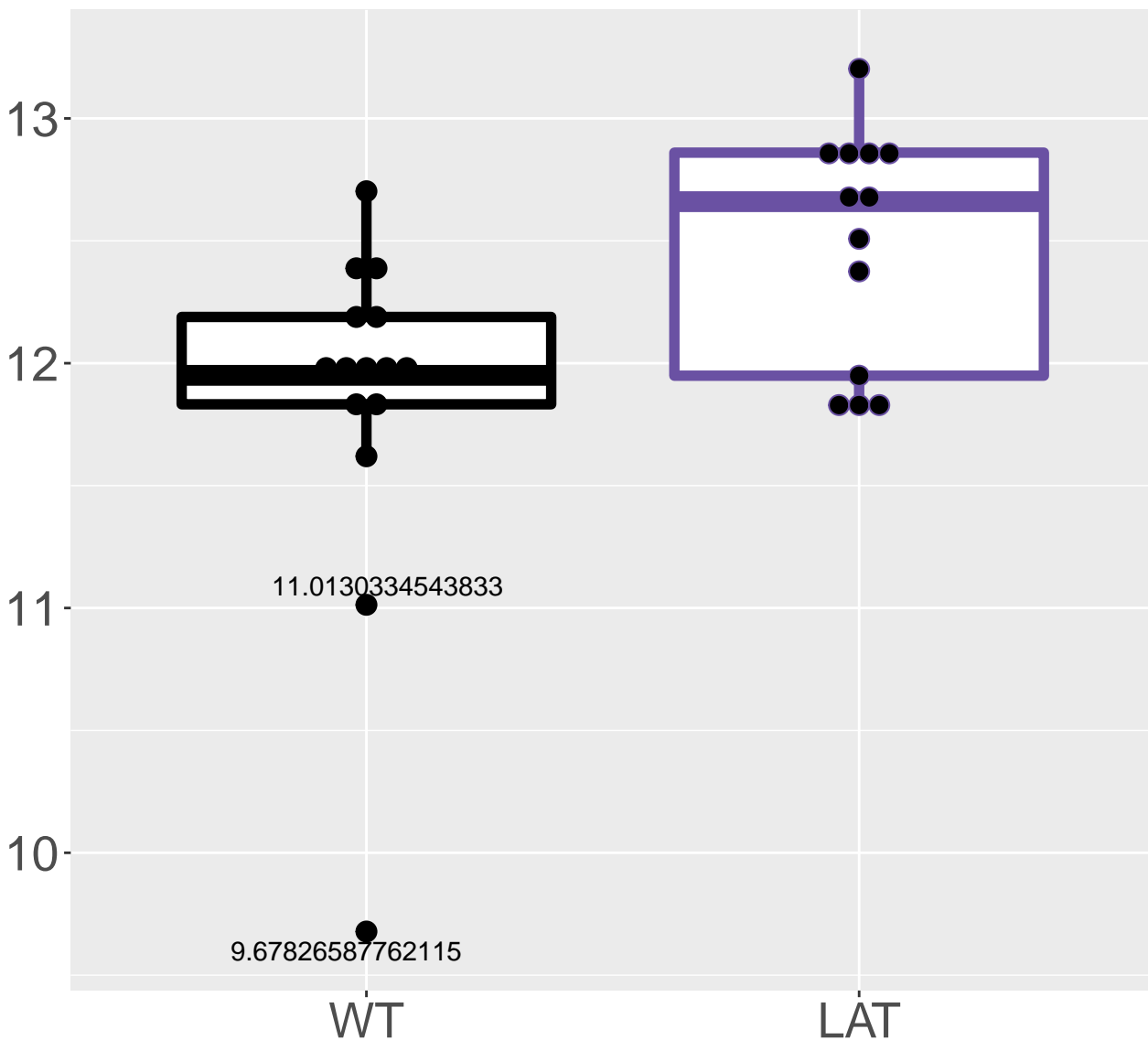


**M540.29T487.52**

**FDR = 0.039, FC = 0.48, sex\***

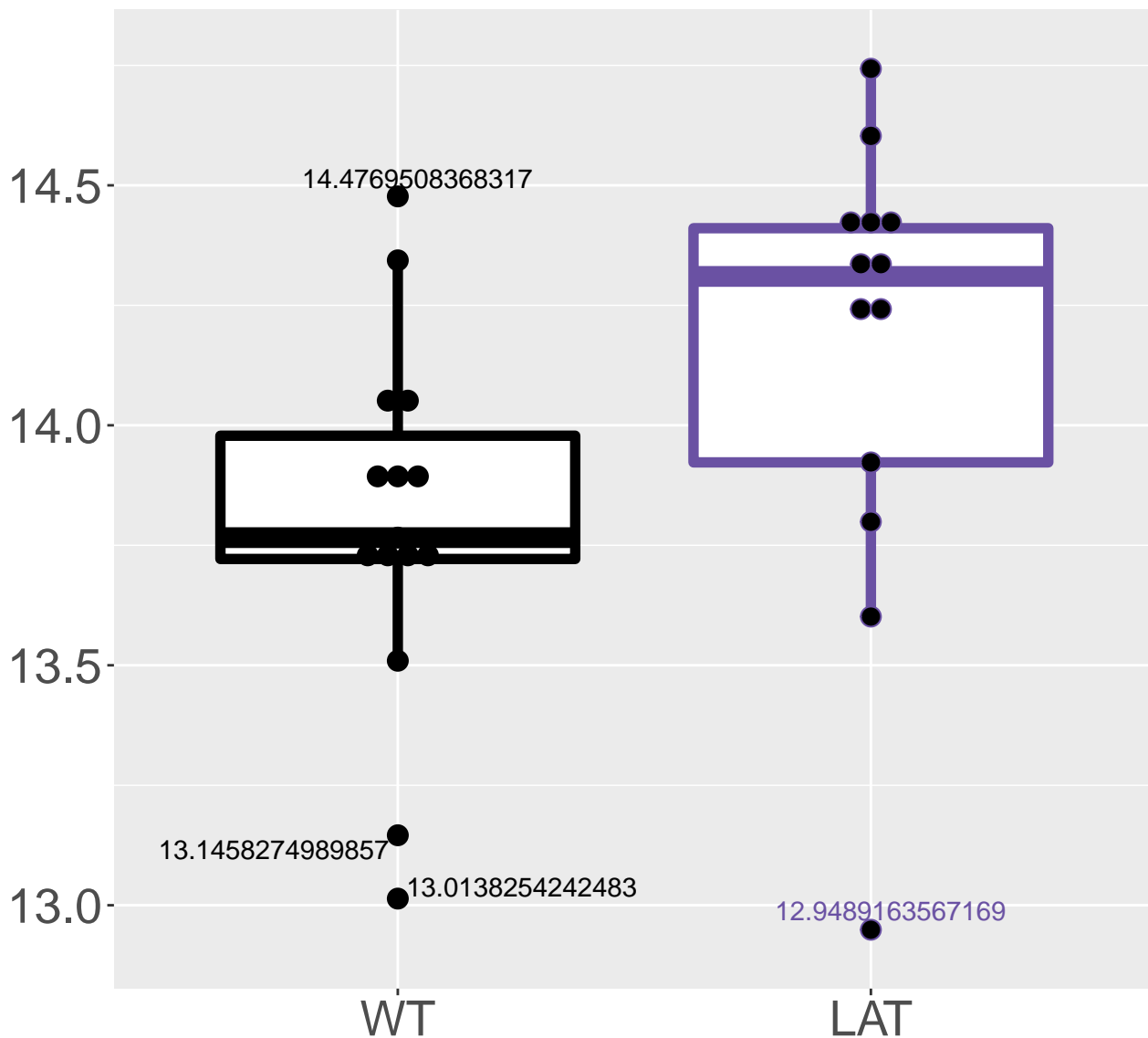


**FDR = 0.039, FC = 0.64**

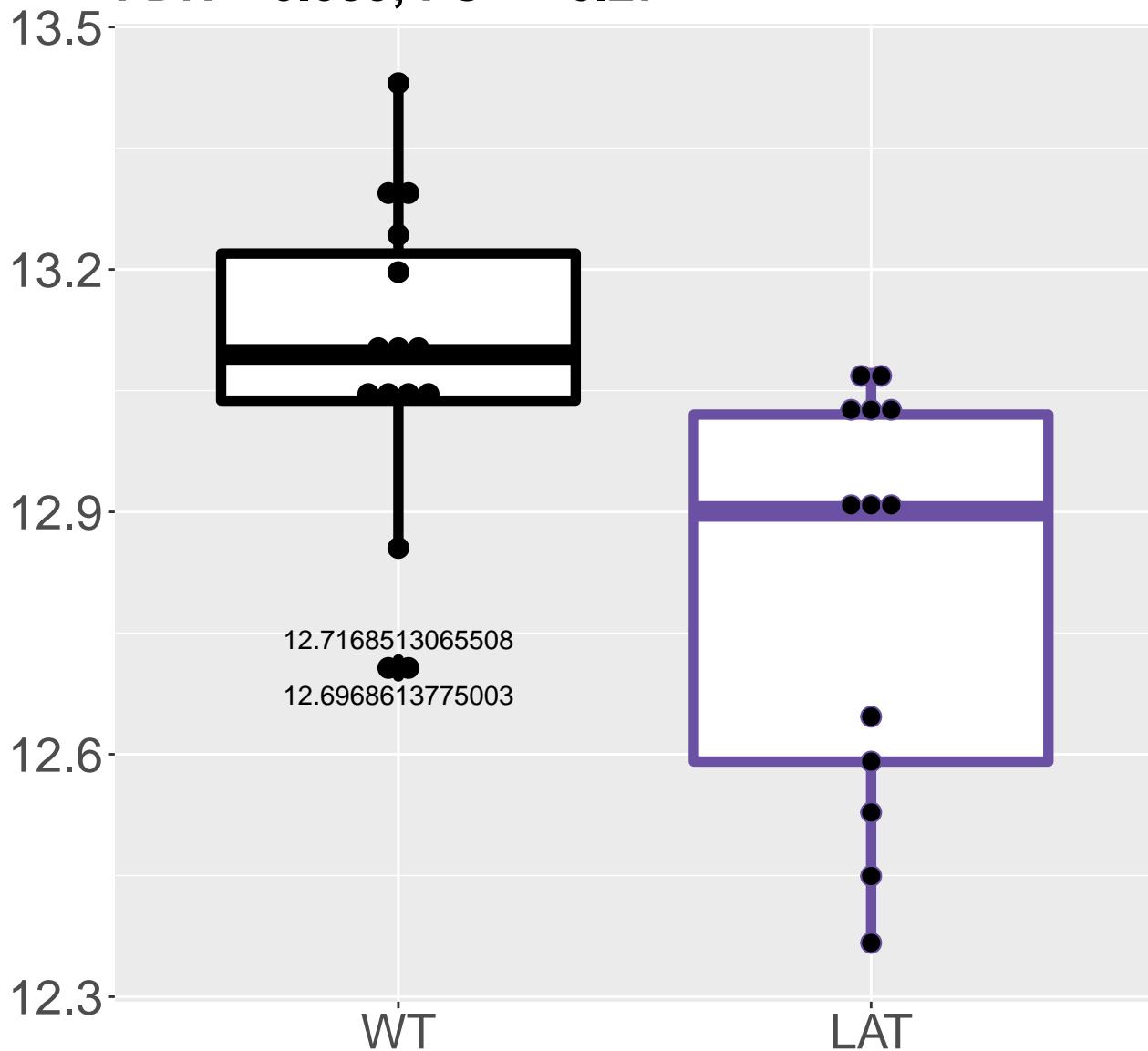


**M687.2021T334.29\_3**

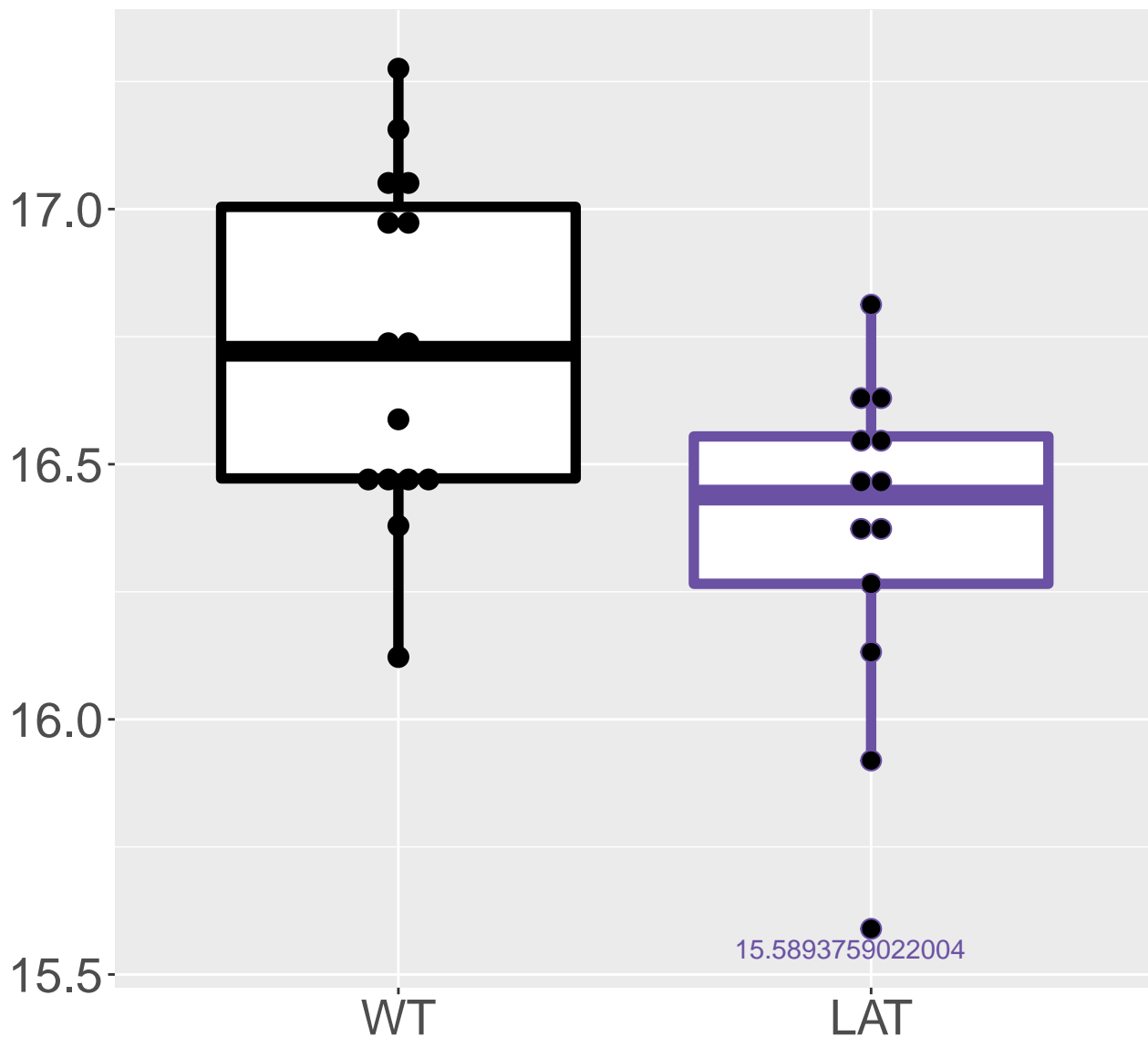
**FDR = 0.039, FC = 0.36, sex\***



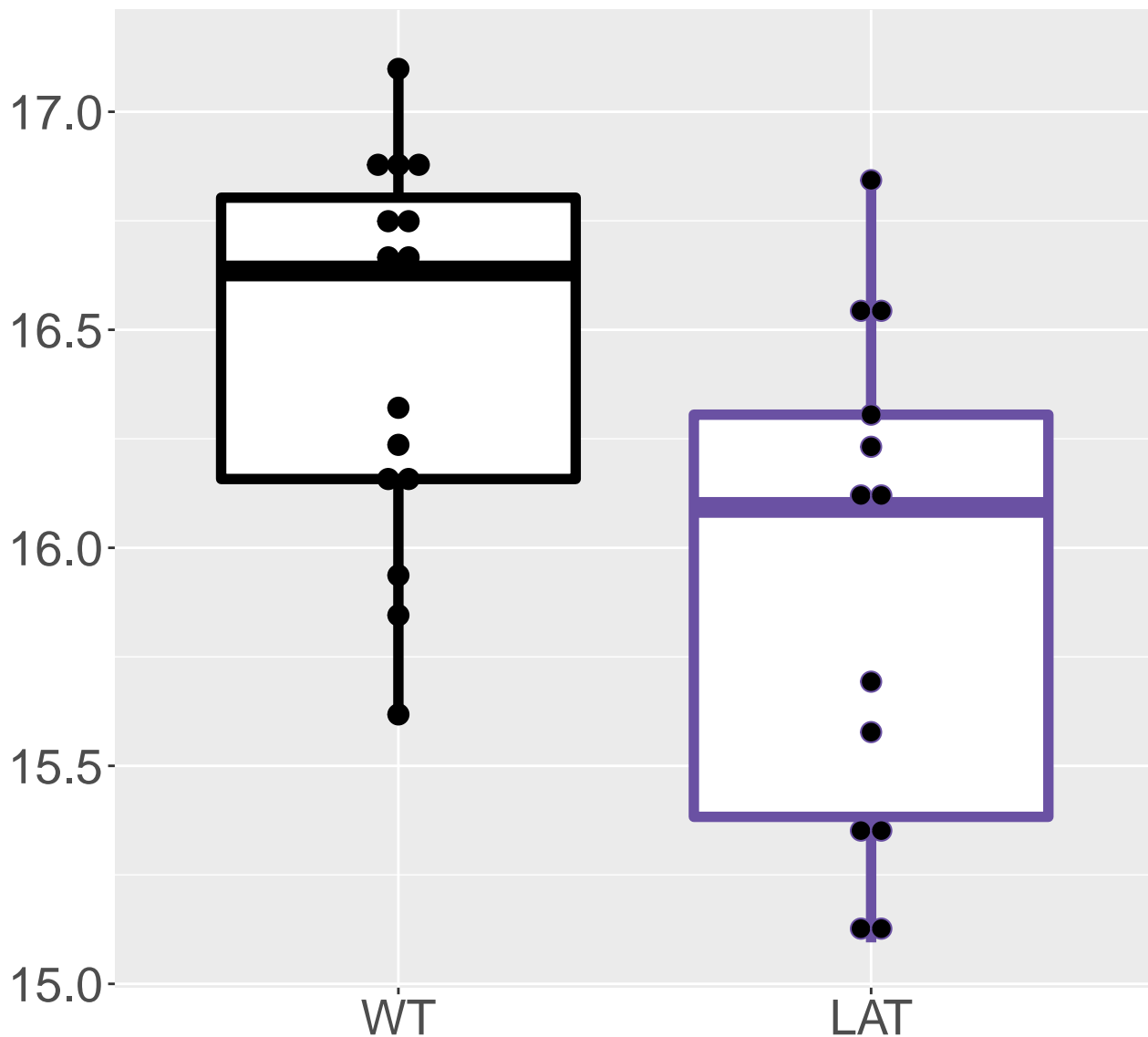
**M752.8595T252.09\_2**  
**FDR = 0.039, FC = -0.27**



**M167.9774T113.22\_28**  
**FDR = 0.039, FC = -0.36**



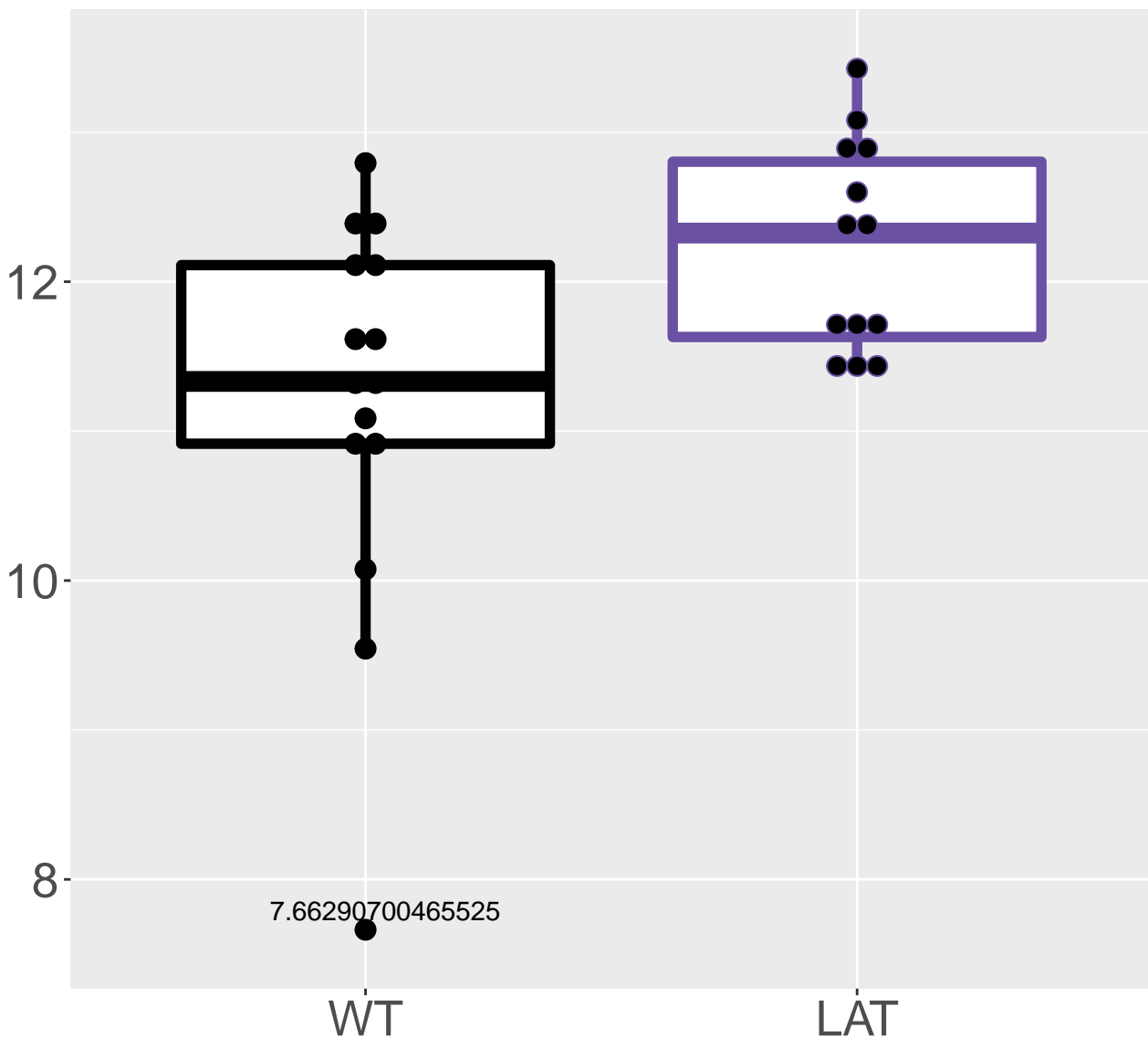
**M127.5021T75.47\_1**  
**FDR = 0.039, FC = -0.54**





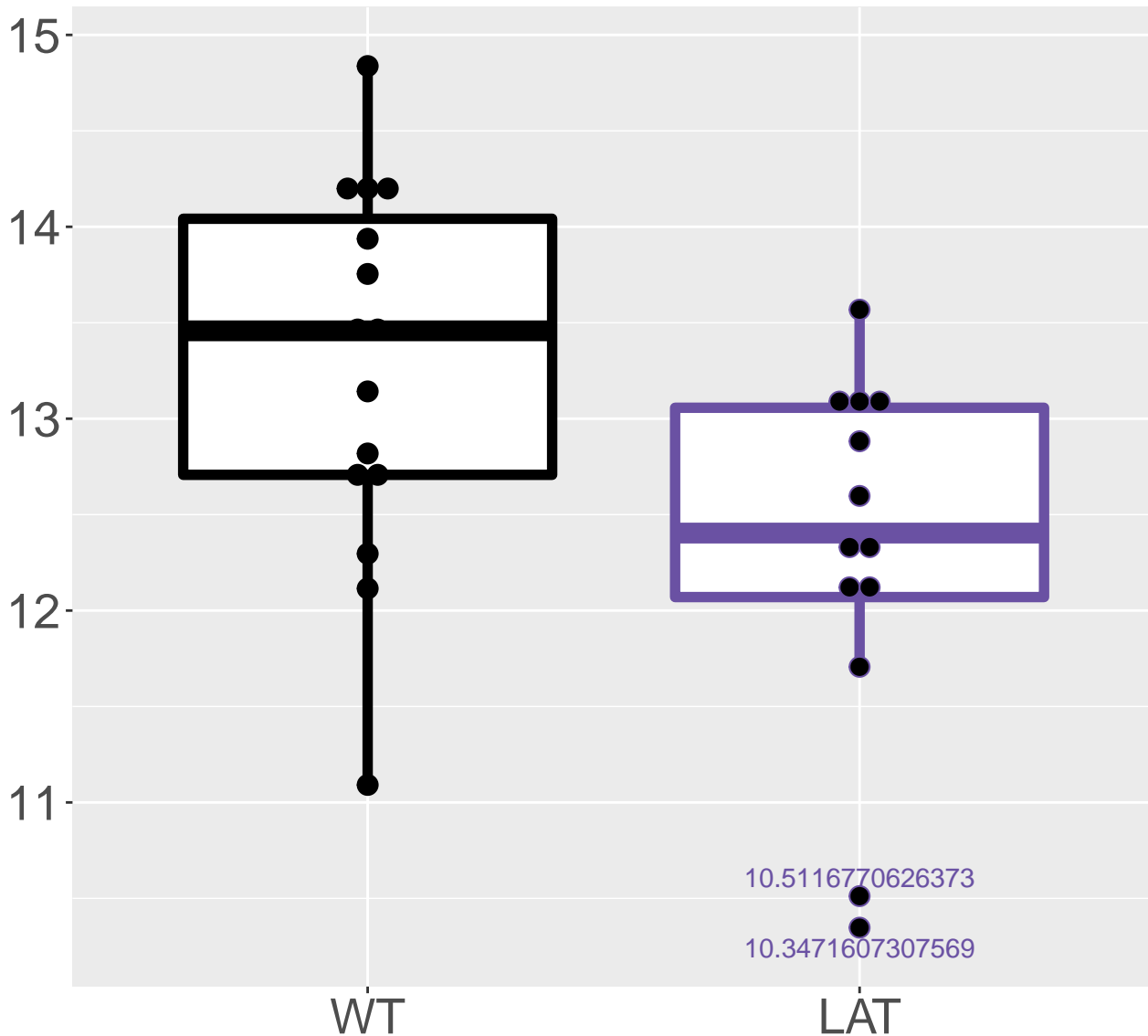
**M307.0977T201.4**

**FDR = 0.039, FC = 1.1**

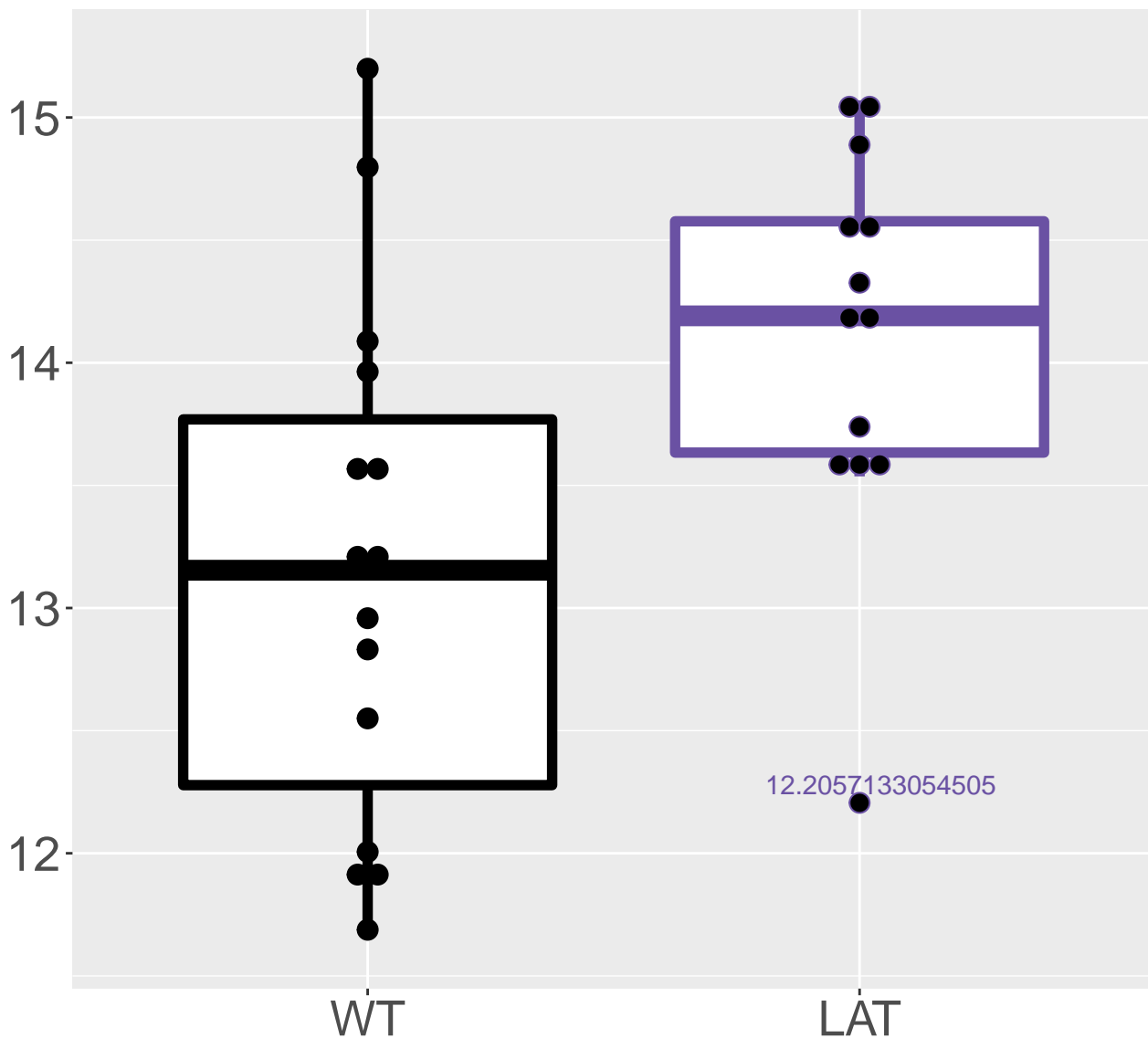


**M320.6855T87.16**

**FDR = 0.039, FC = -0.97**

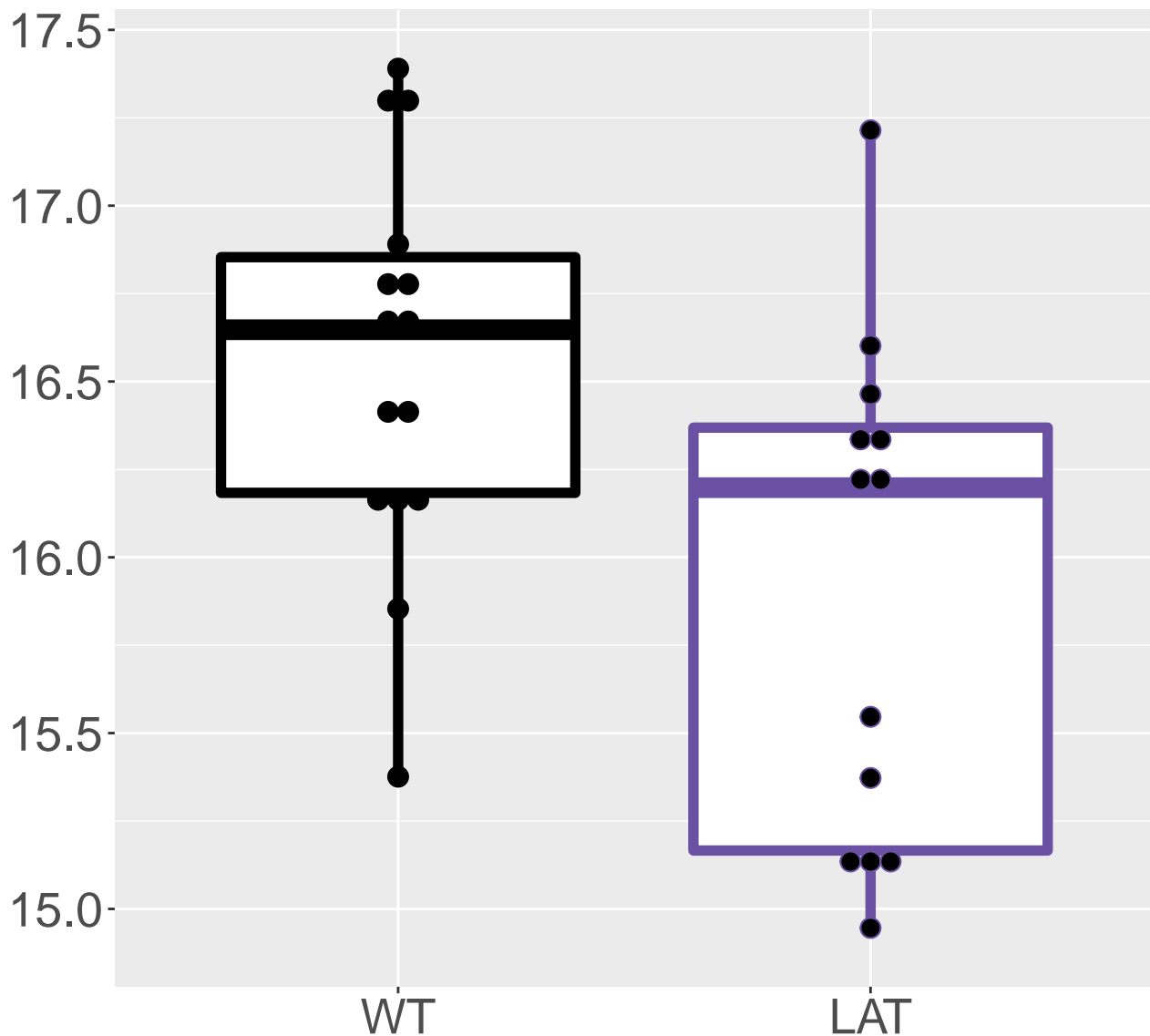


**M273.1484T238.51**  
**FDR = 0.039, FC = 0.95**

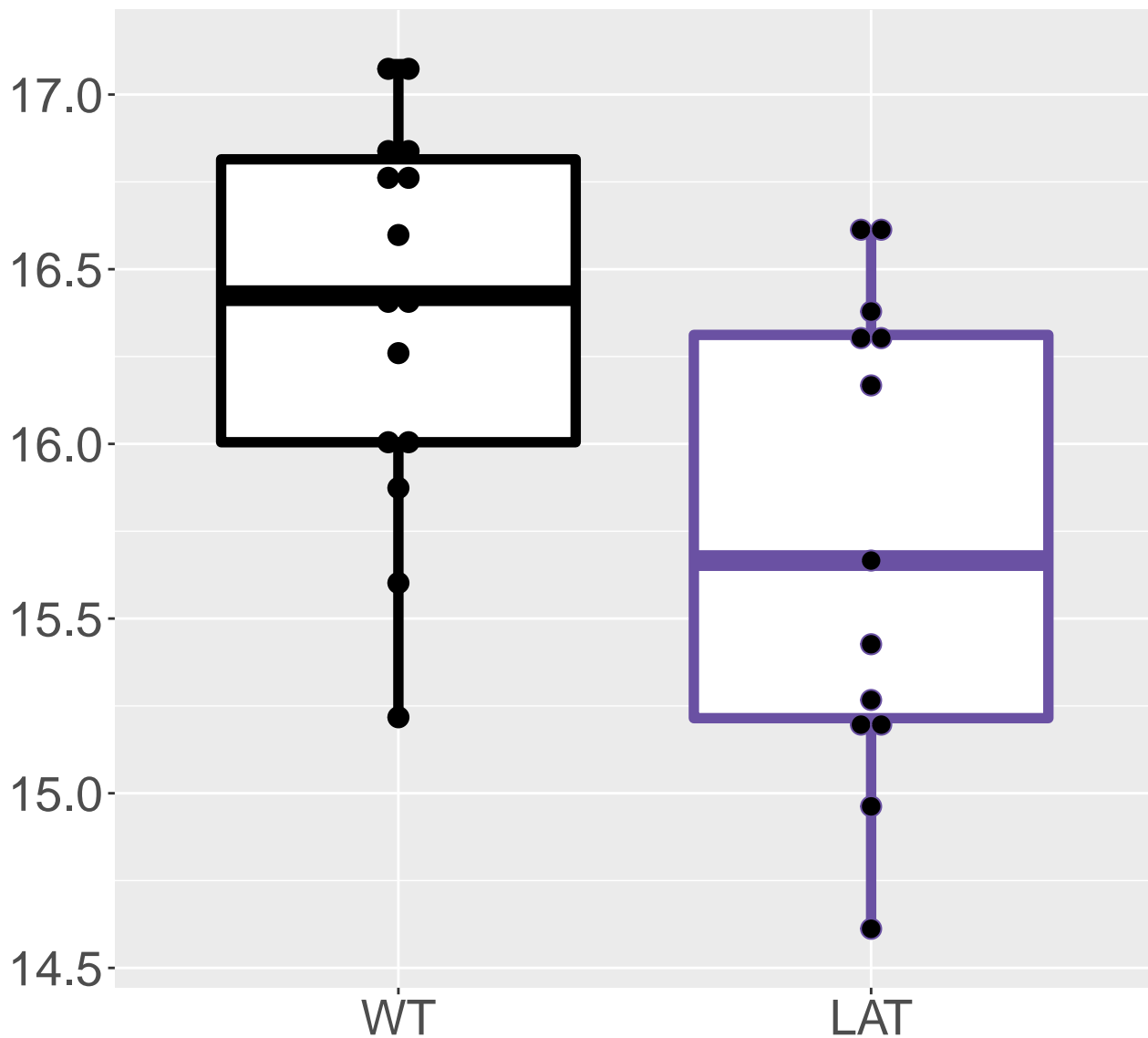


**M128.9436T75.31\_24**

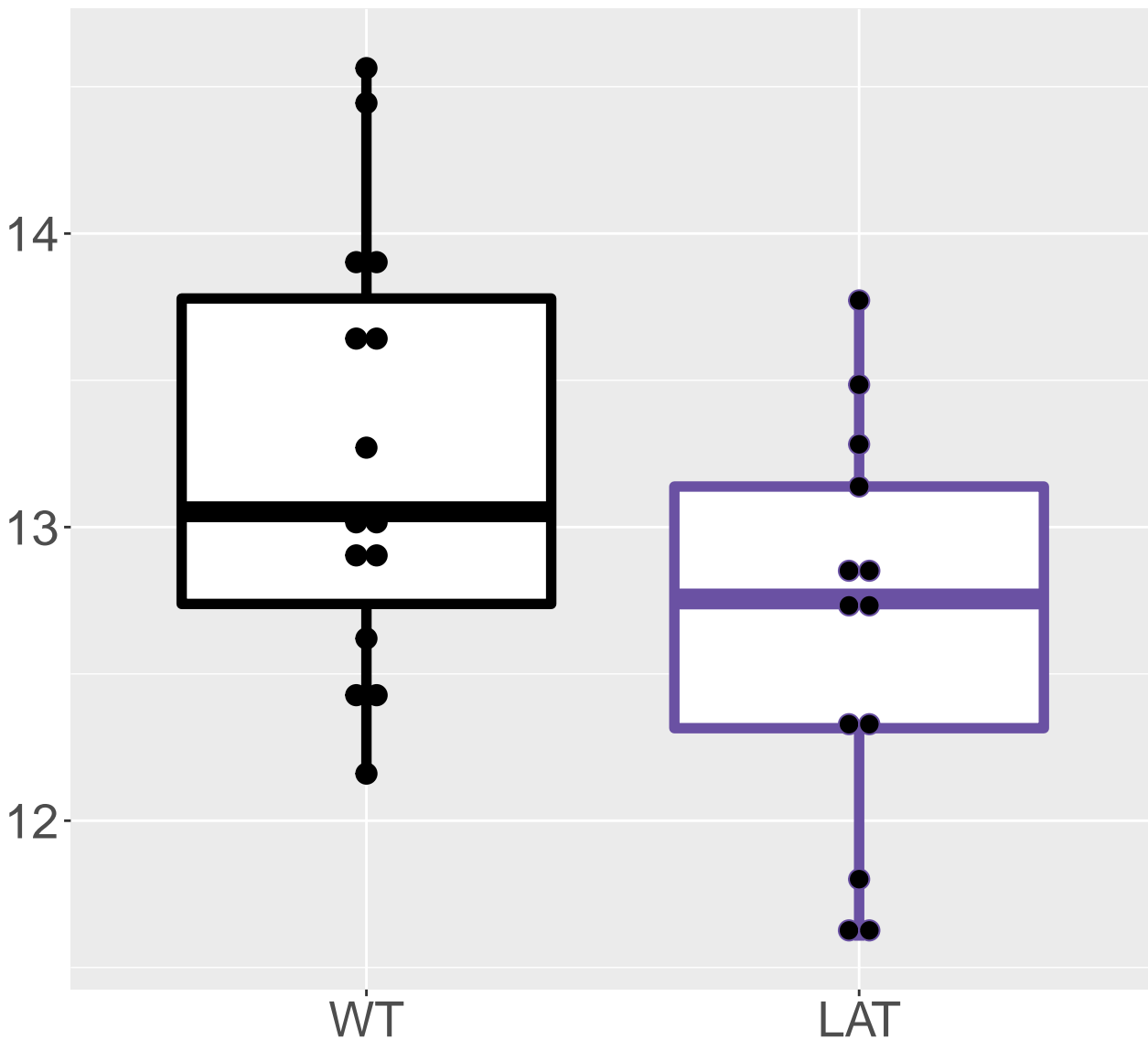
**FDR = 0.04, FC = -0.66**



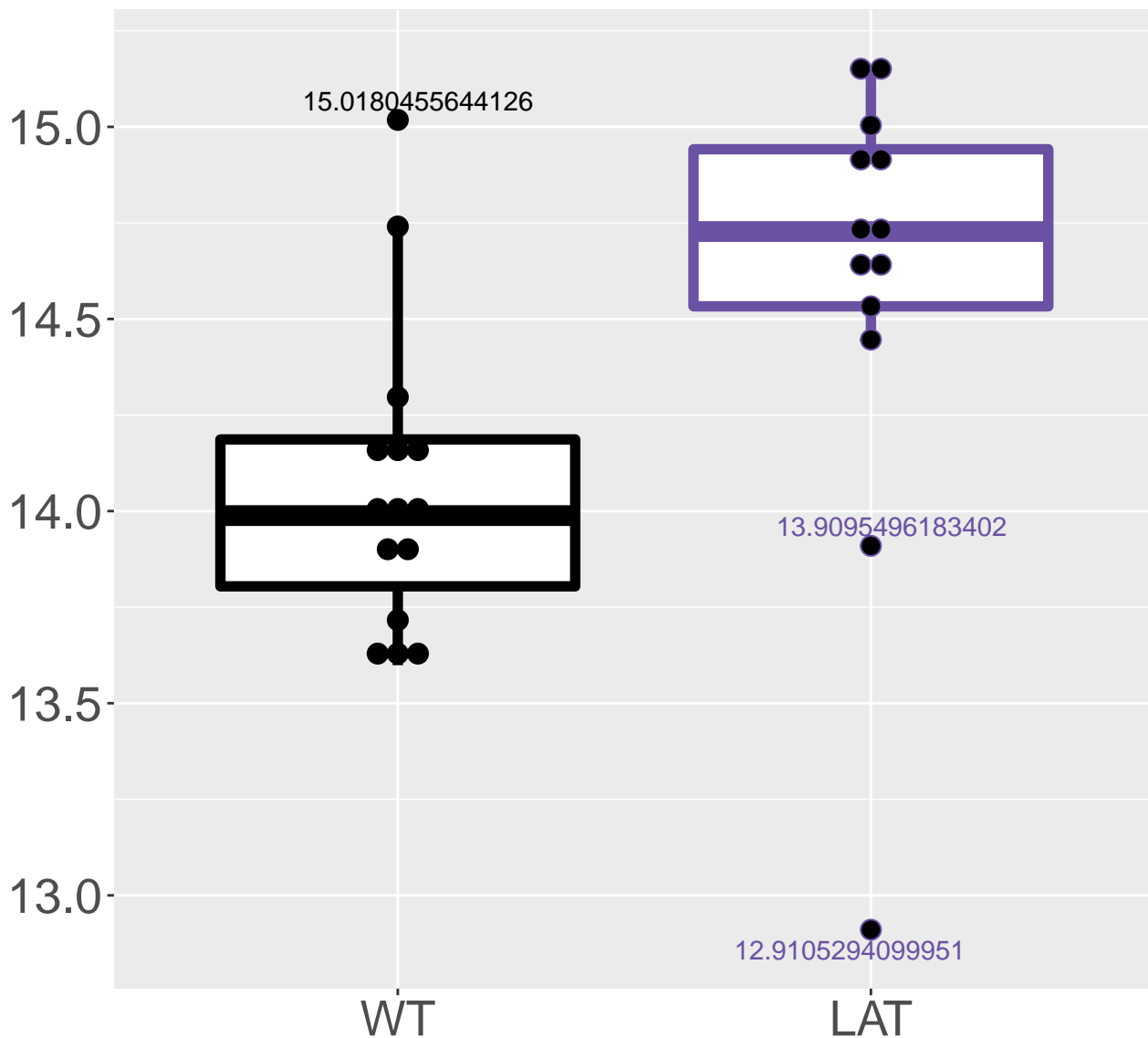
**M167.6982T113.1\_11**  
**FDR = 0.04, FC = -0.63**



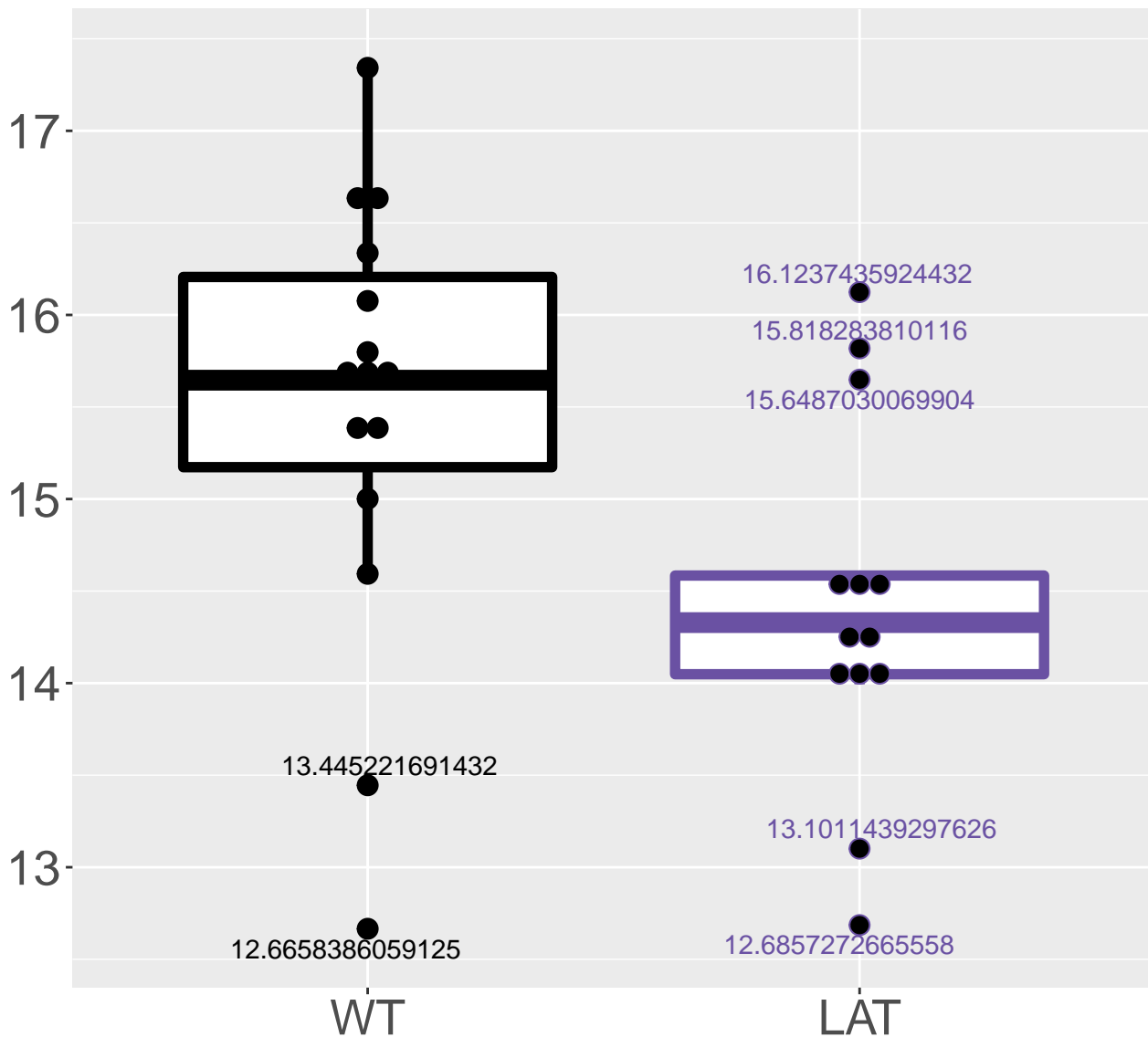
**M265.1777T253.92**  
**FDR = 0.04, FC = -0.6**



**M135.102T41.41**  
**FDR = 0.04, FC = 0.53**



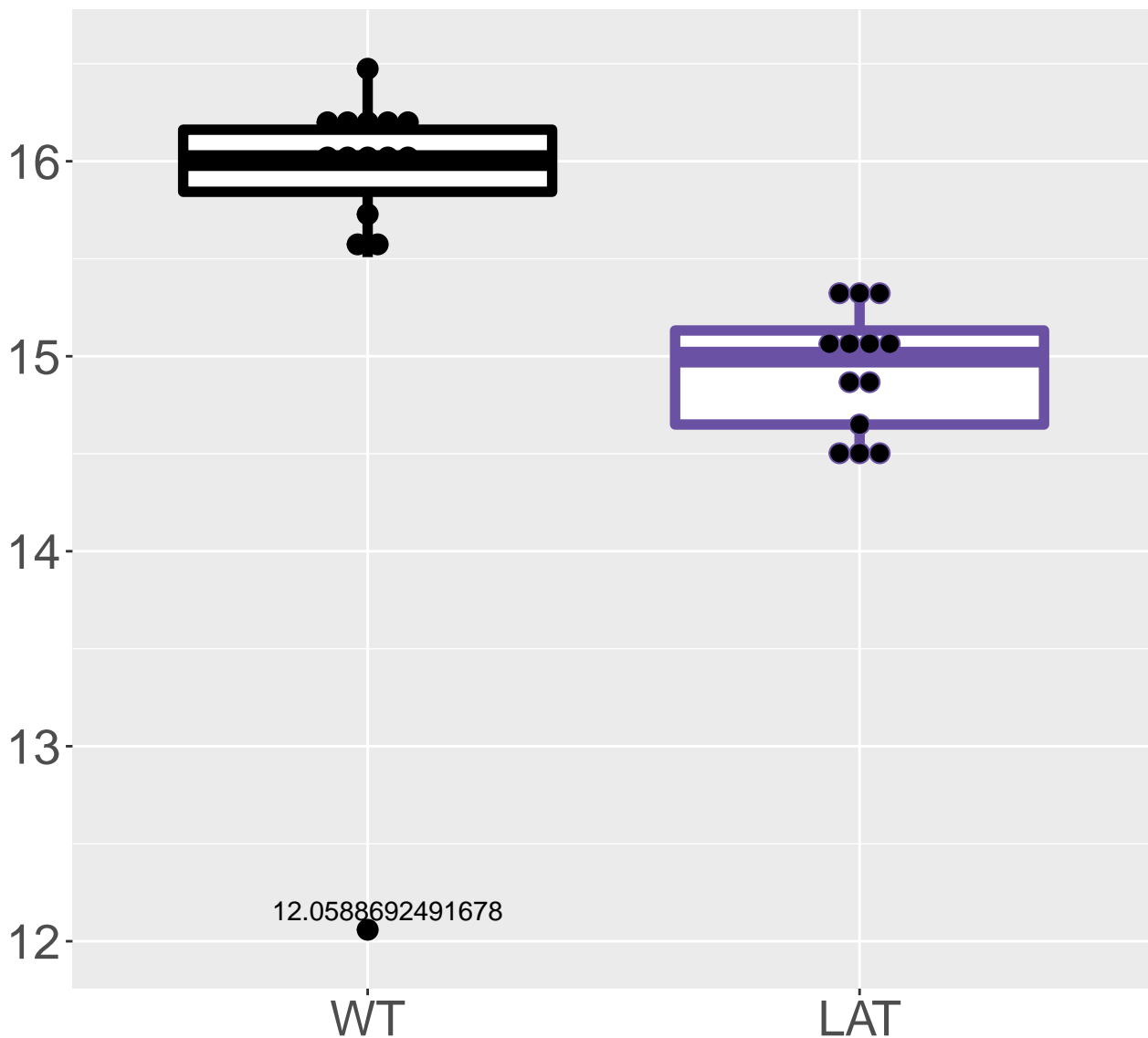
**M372.9938T257.87\_2**  
**FDR = 0.04, FC = -1.1**



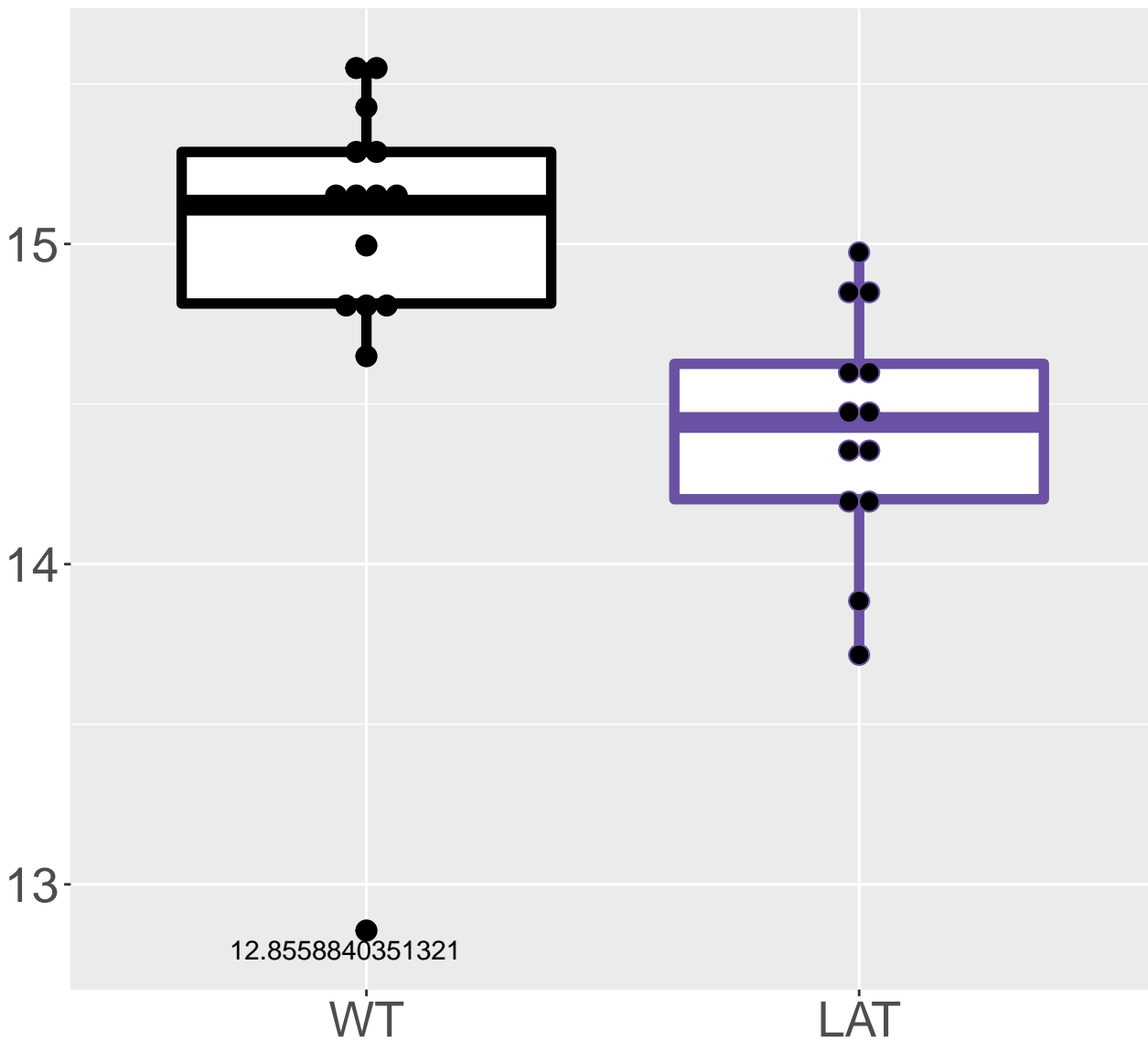


**M922.2829T377.53\_2**

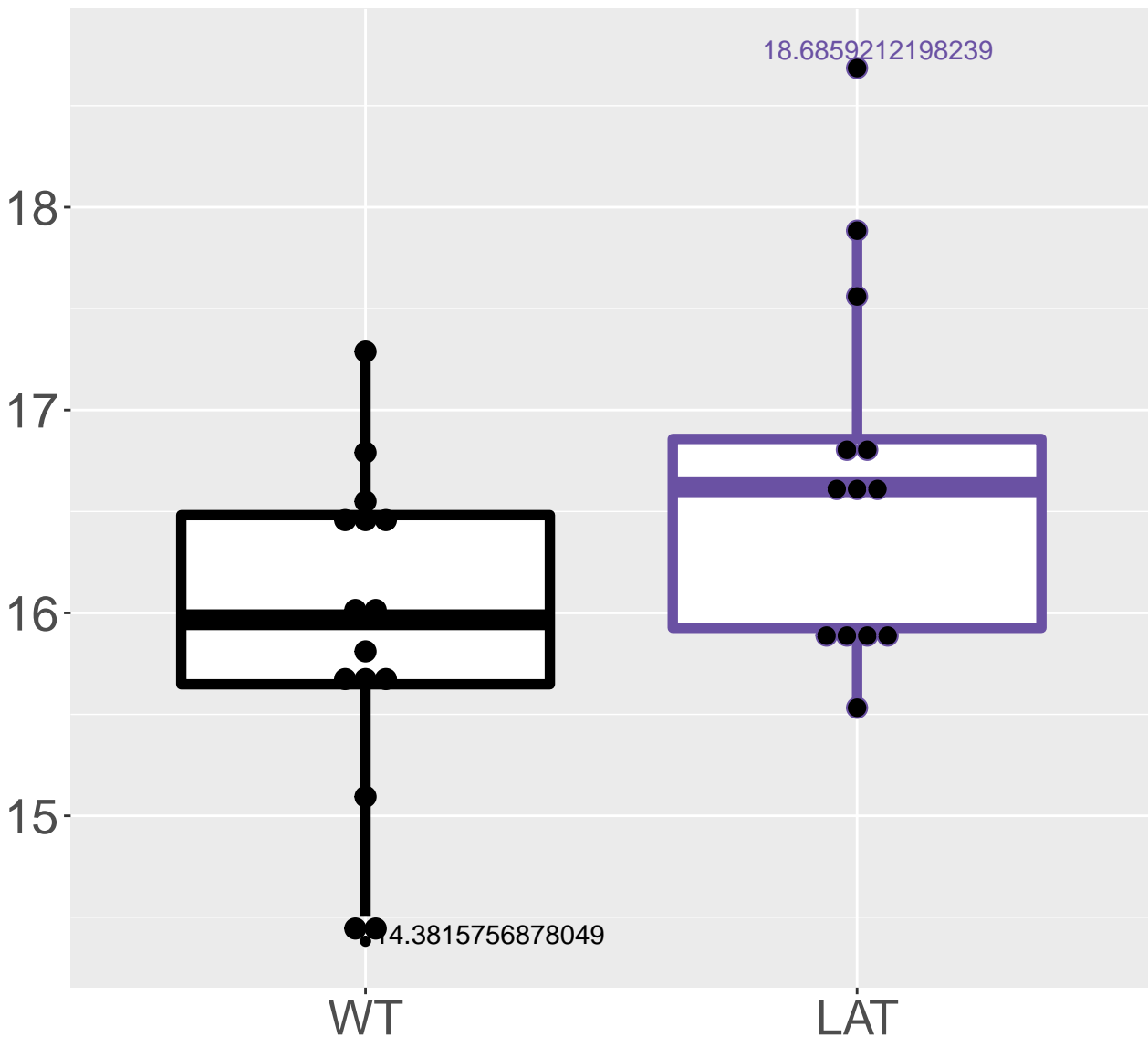
**FDR = 0.04, FC = -0.82**



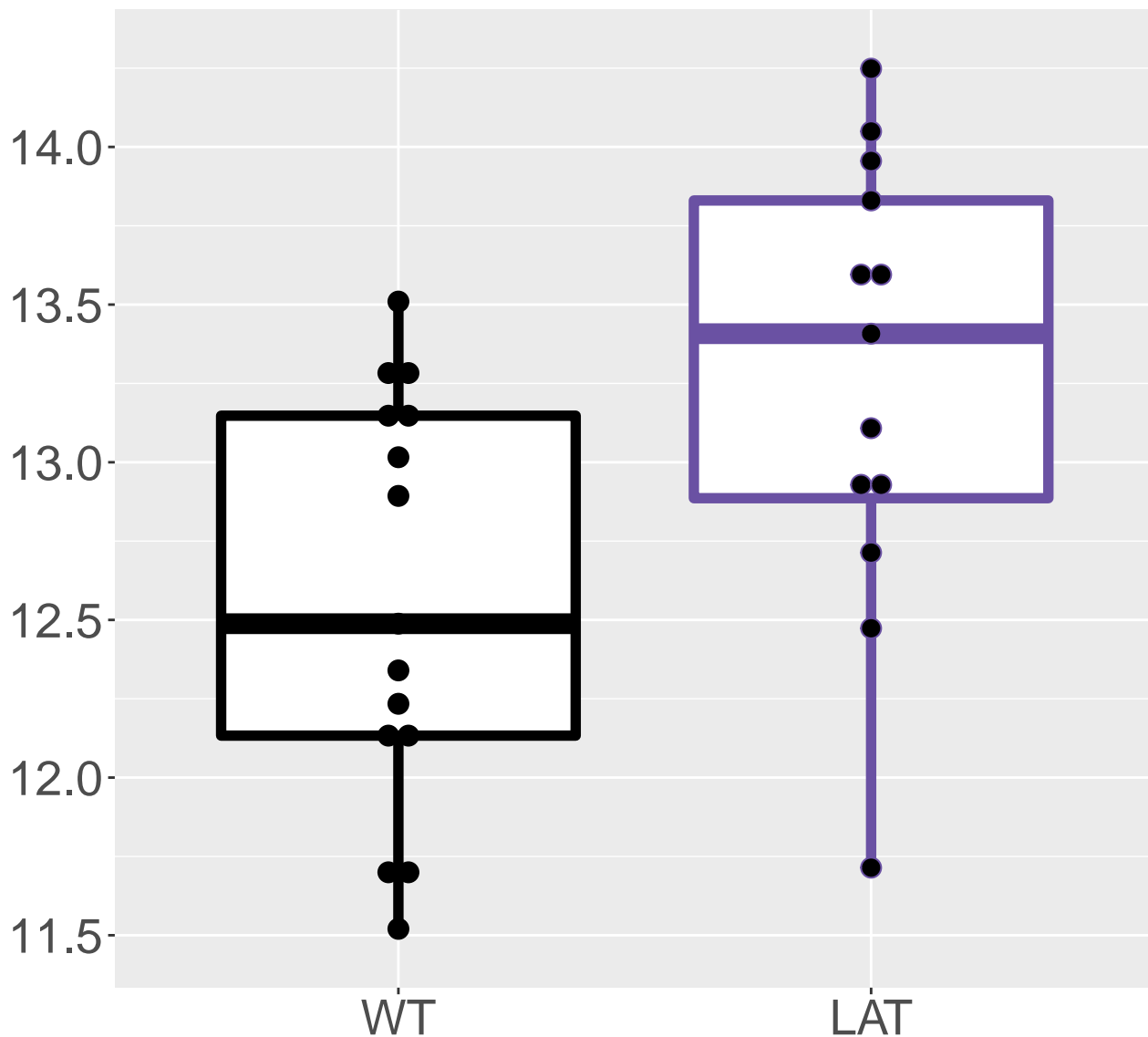
**M682.7926T369.6\_3**  
**FDR = 0.04, FC = -0.55**



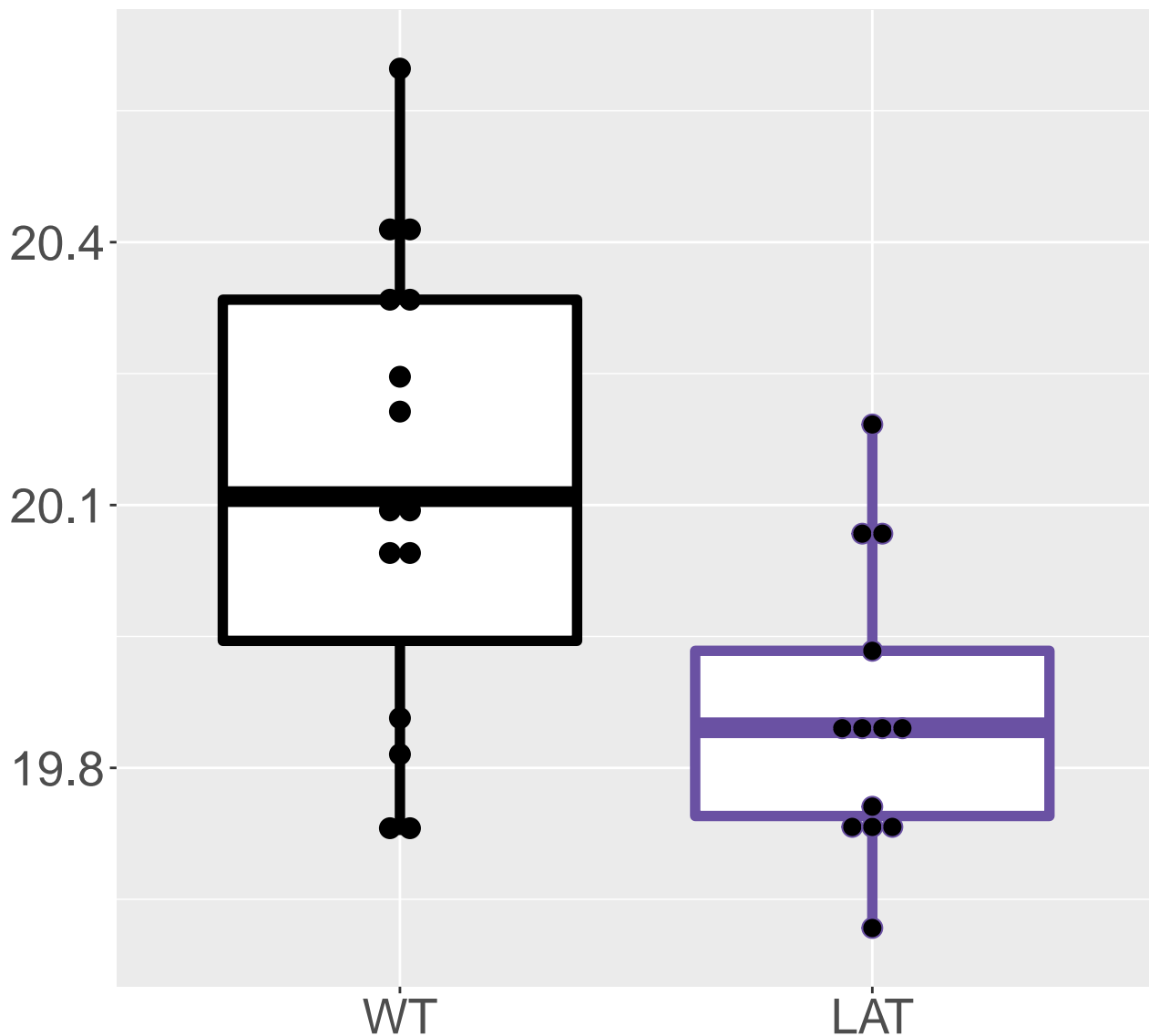
**M482.2747T487.29**  
**FDR = 0.04, FC = 0.75**



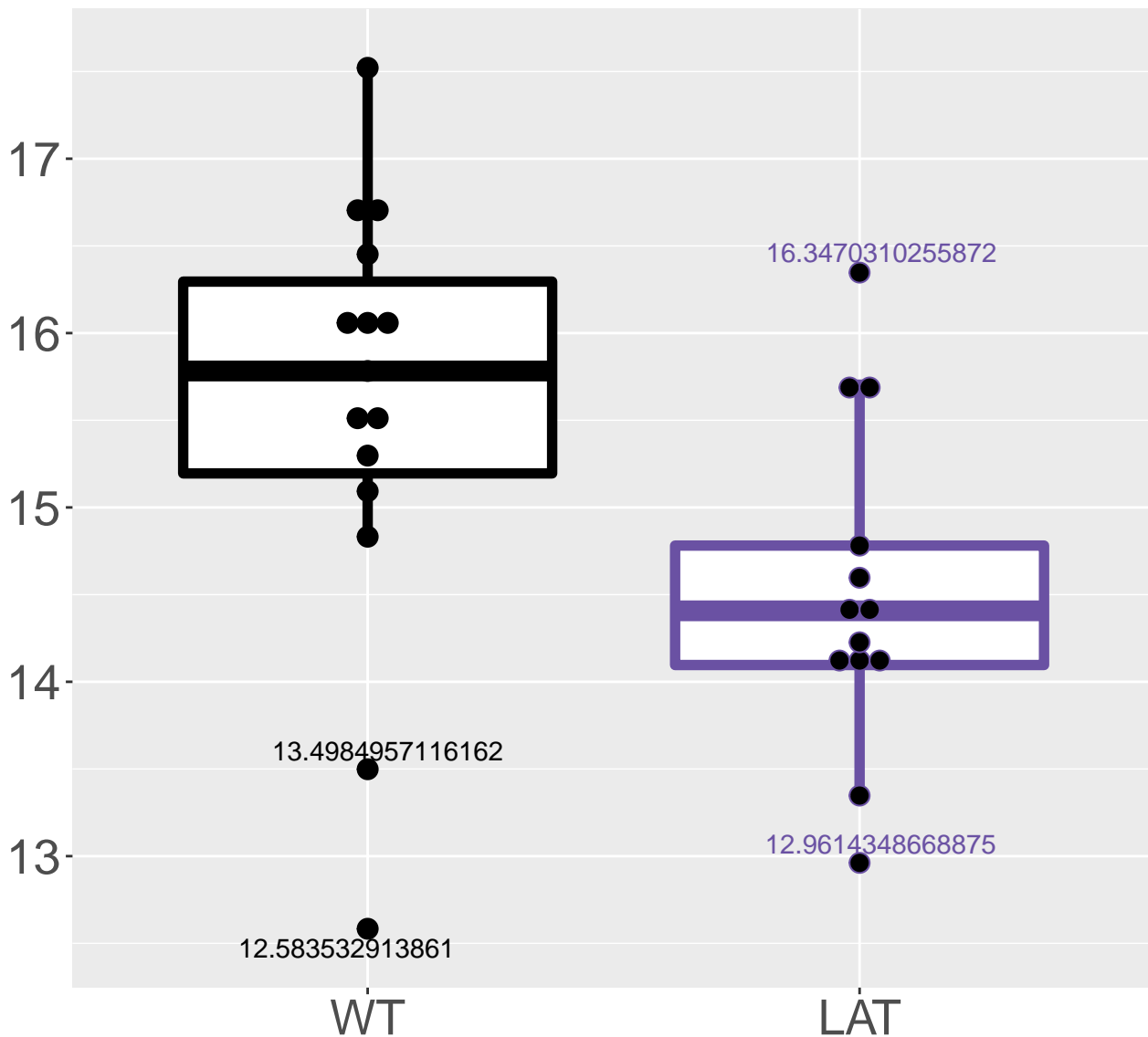
**M601.5341T324.08\_1**  
**FDR = 0.04, FC = 0.7**



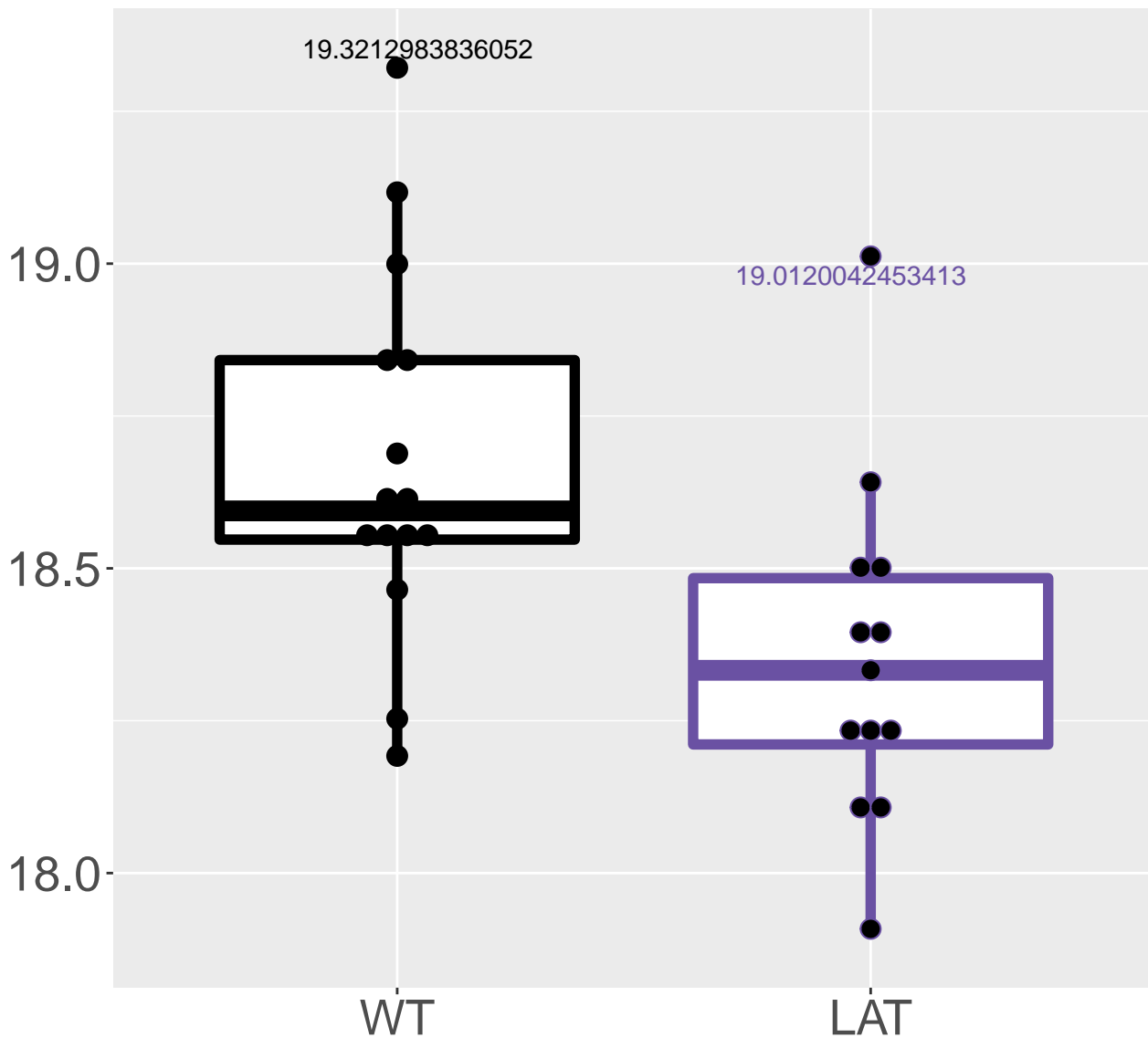
**M651.2081T371.38\_8**  
**FDR = 0.04, FC = -0.27**



**M372.7933T257.95\_1**  
**FDR = 0.04, FC = -1.1**

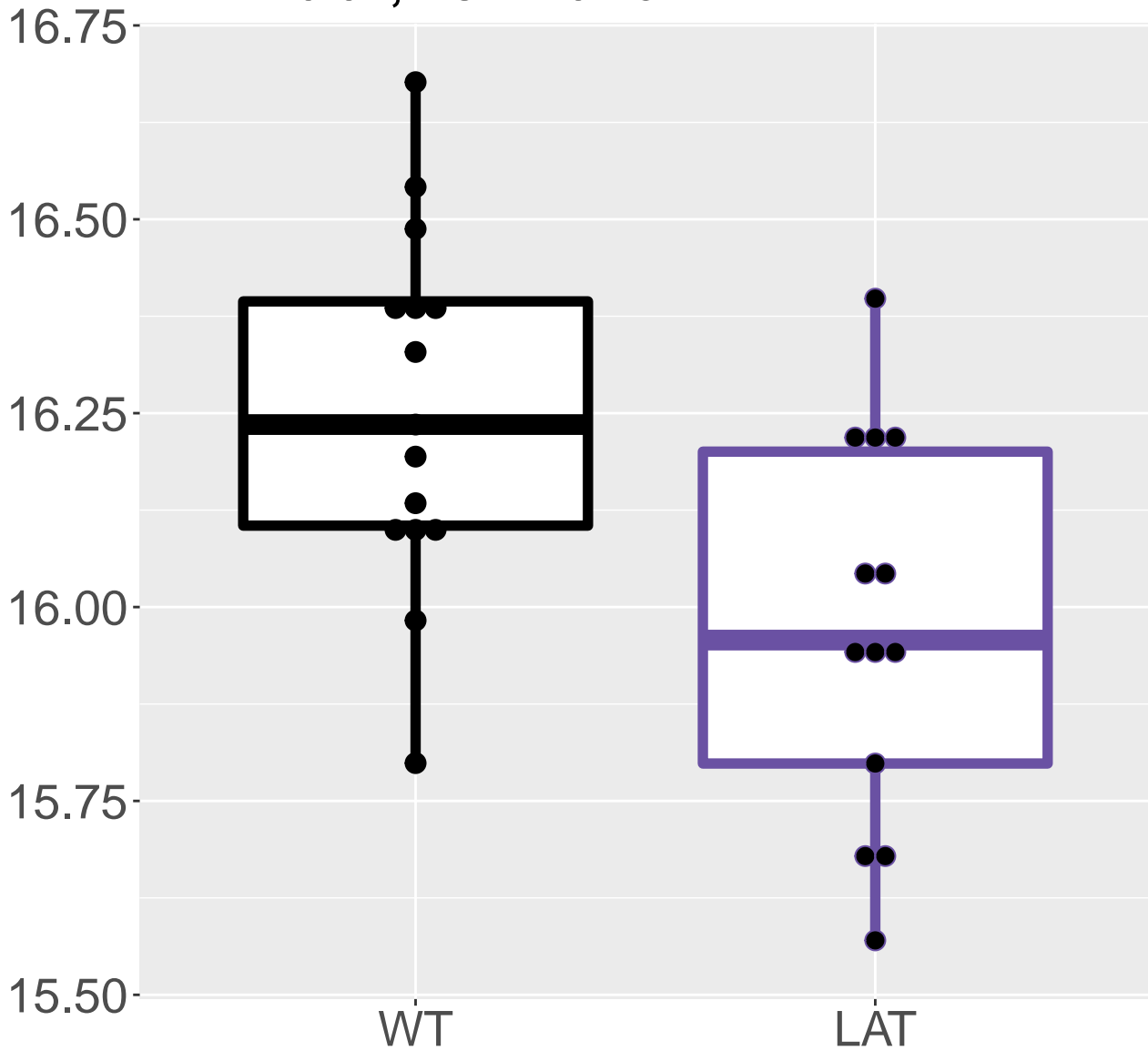


**FDR = 0.04, FC = -0.33**



**M650.6705T371.33\_1**

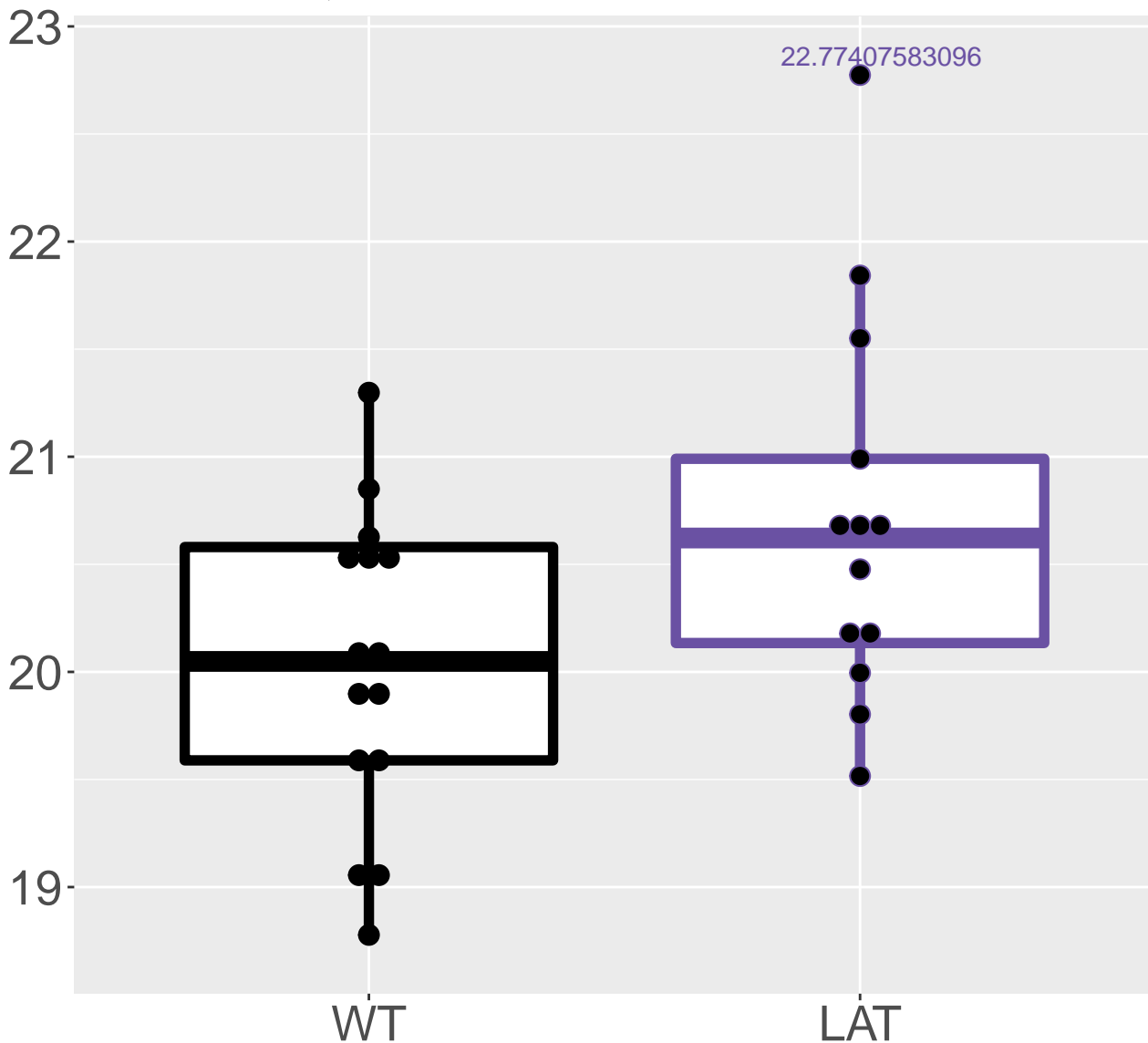
**FDR = 0.04, FC = -0.28**





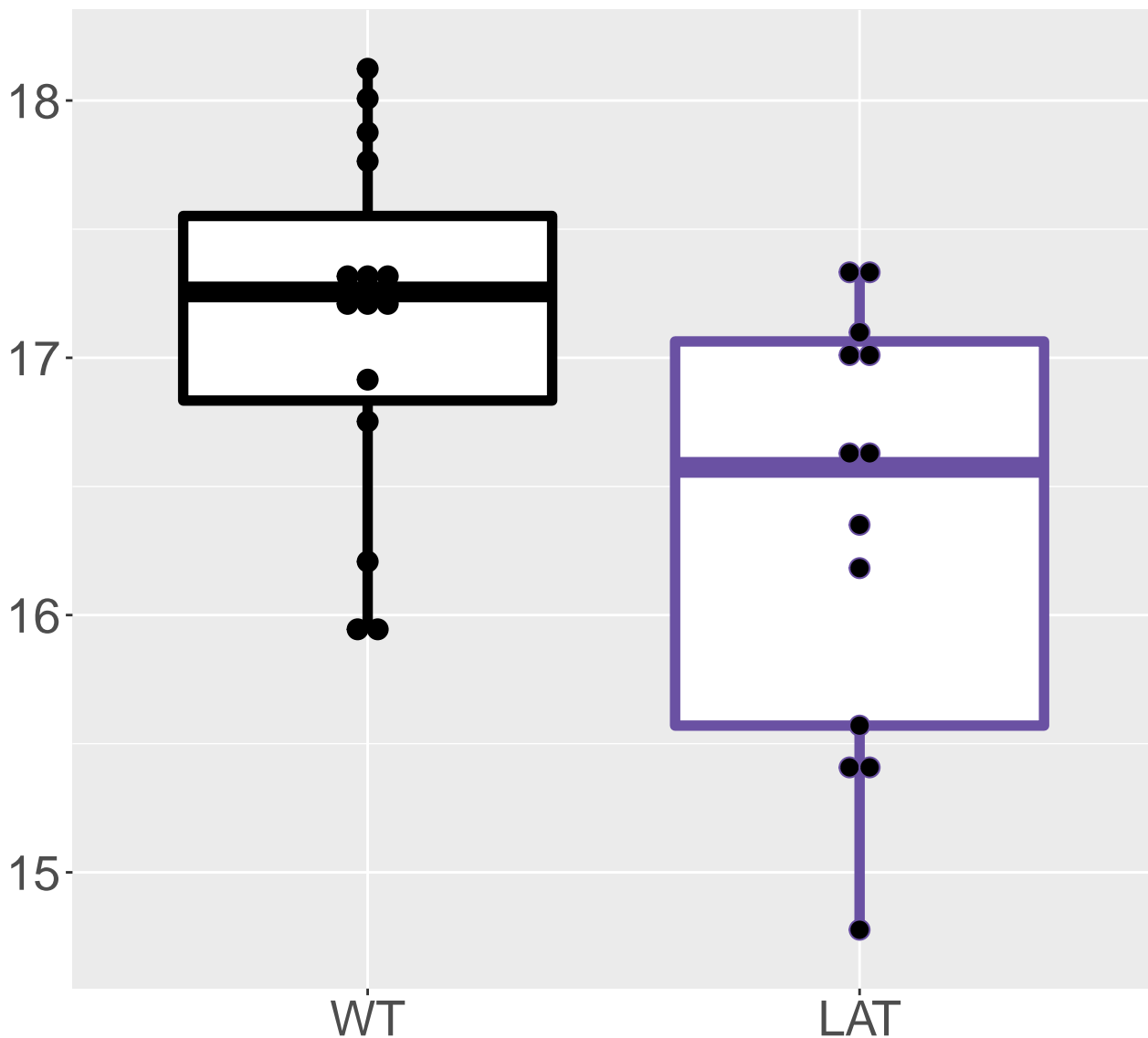
**M499.2932T487.48**

**FDR = 0.04, FC = 0.69**

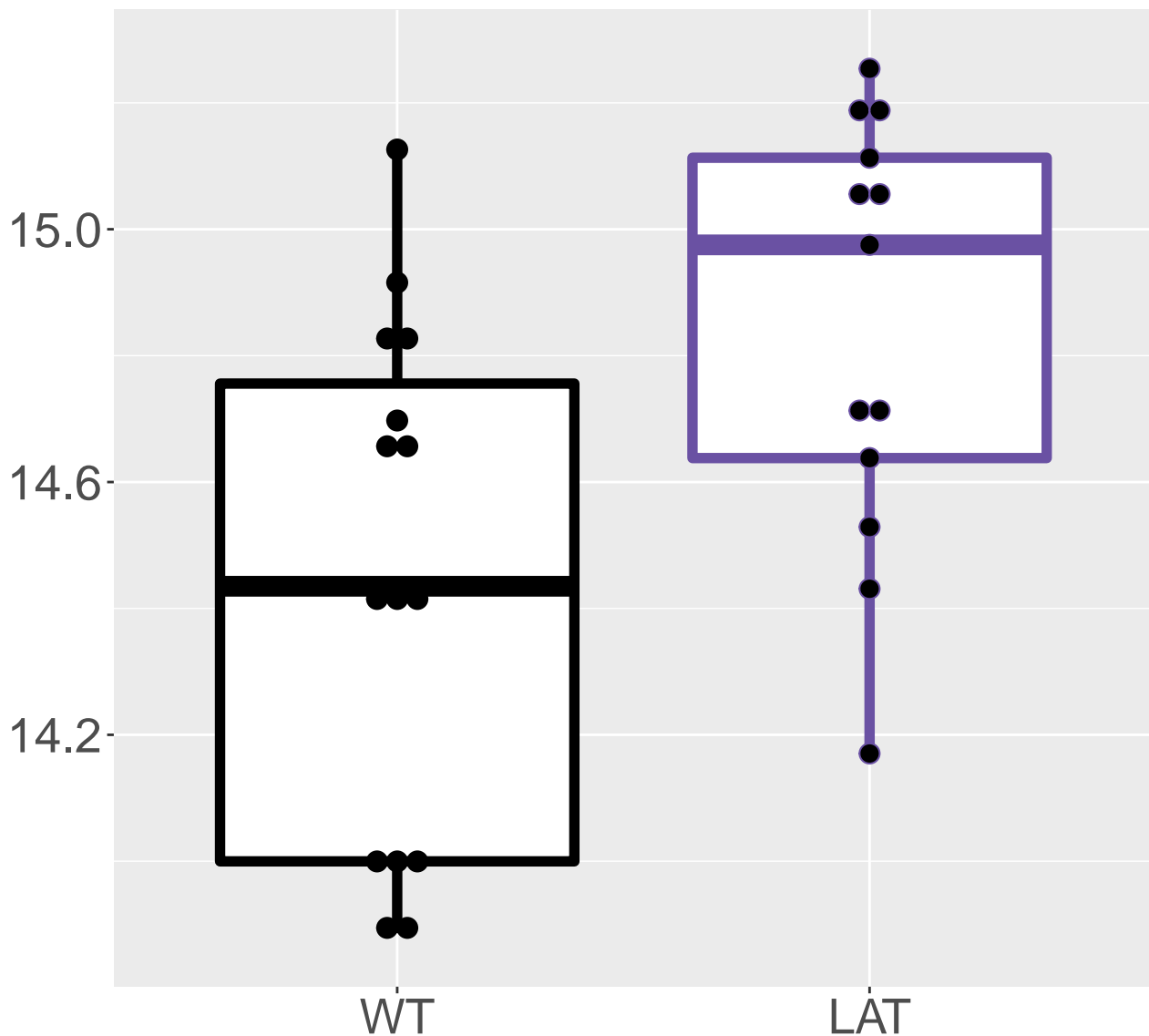


**M130.9277T75.37\_23**

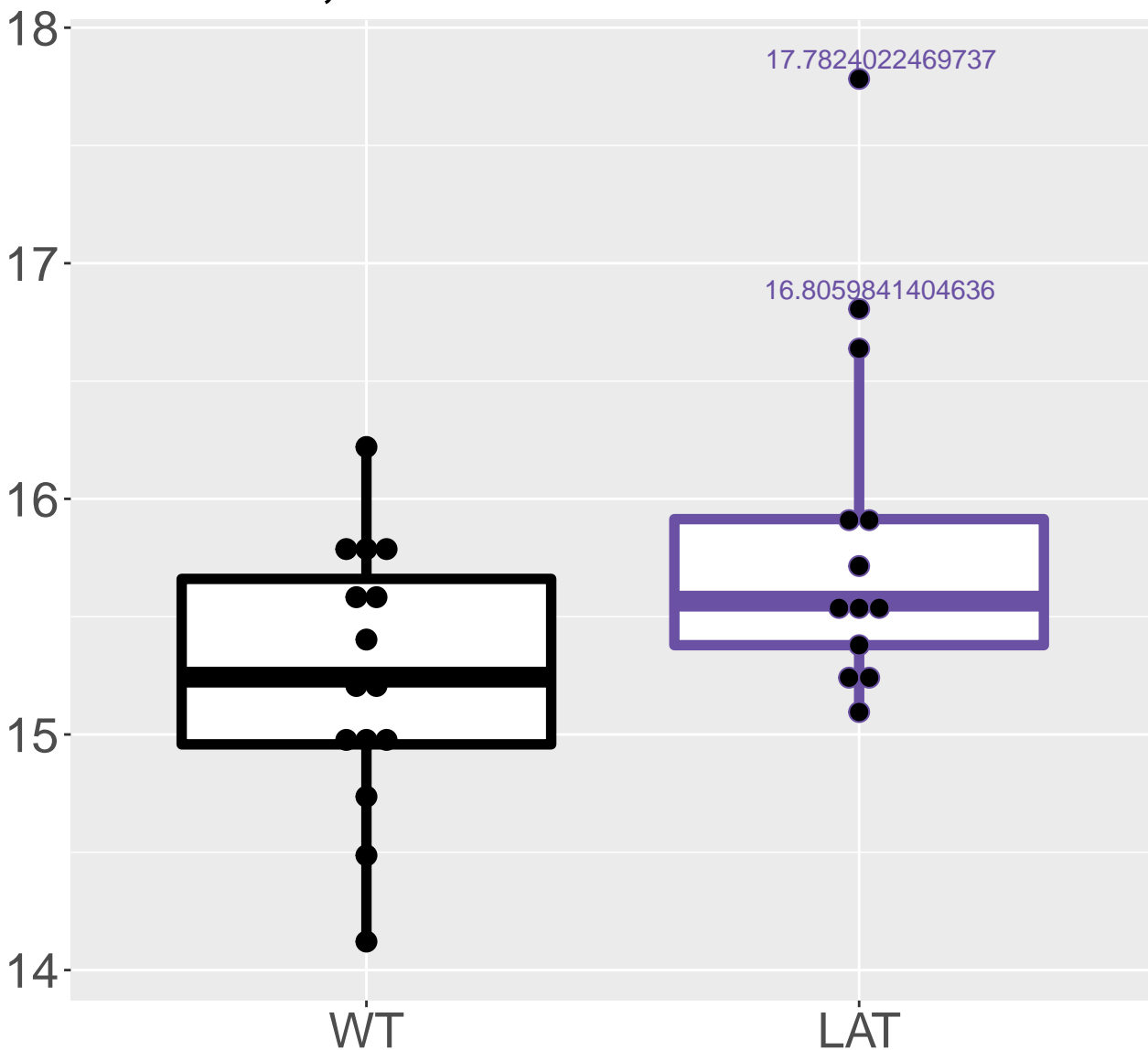
**FDR = 0.04, FC = -0.78**



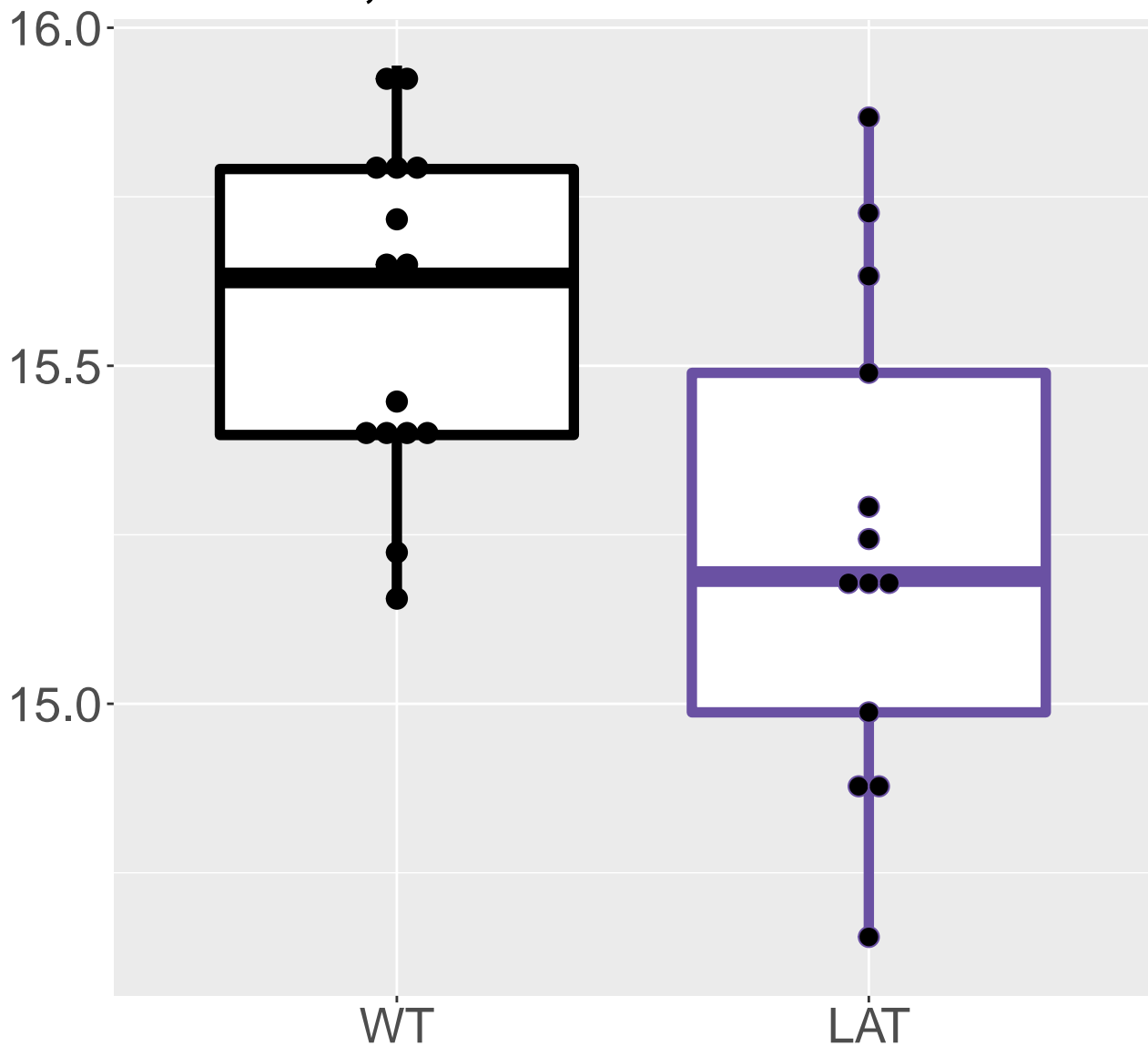
**M404.8294T43.14\_1**  
**FDR = 0.04, FC = 0.4**



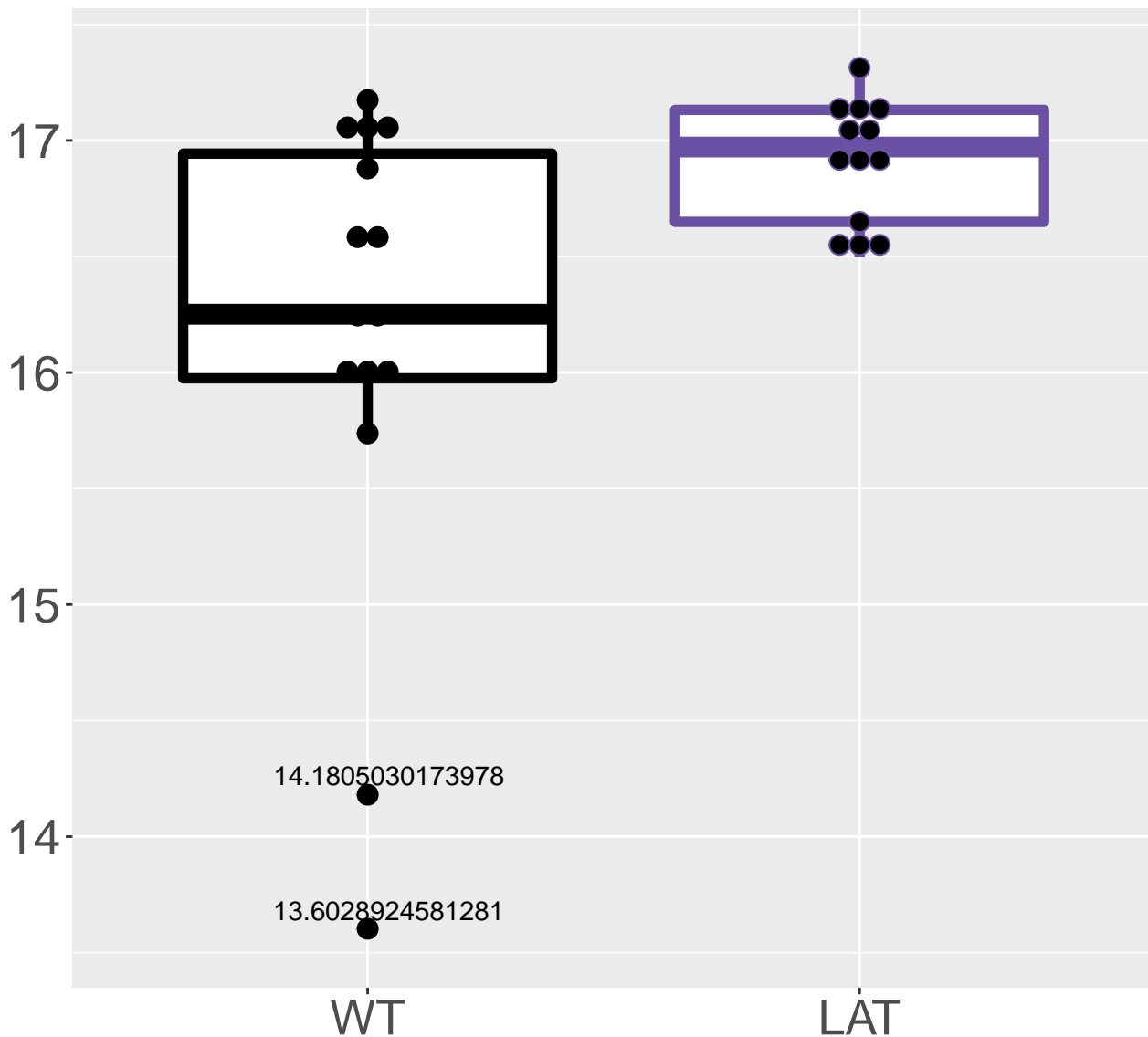
**M501.2874T486.83**  
**FDR = 0.04, FC = 0.62**



**M292.9715T43.6\_2**  
**FDR = 0.04, FC = -0.33**

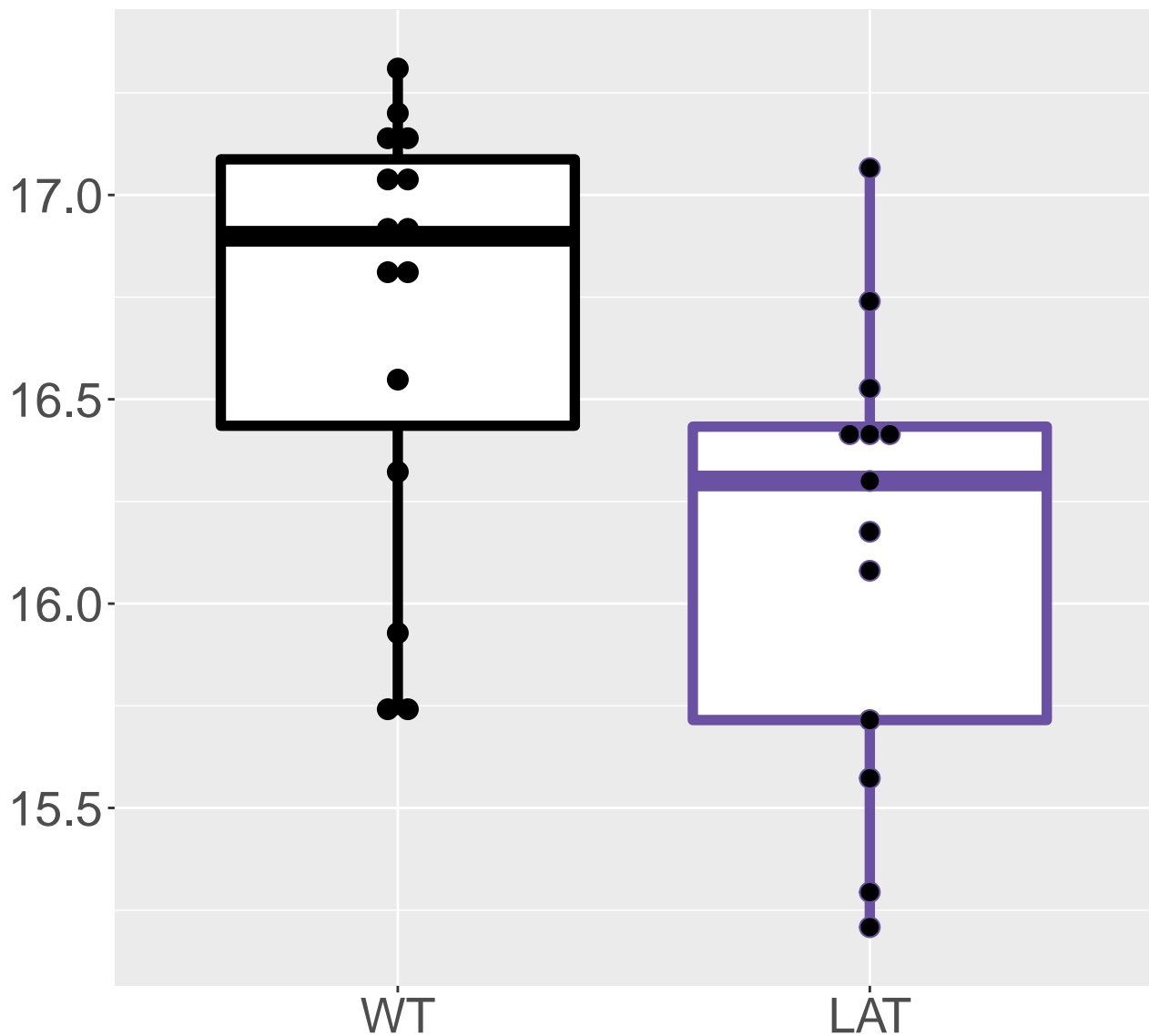


**M801.4094T393.79\_2**  
**FDR = 0.04, FC = 0.75**



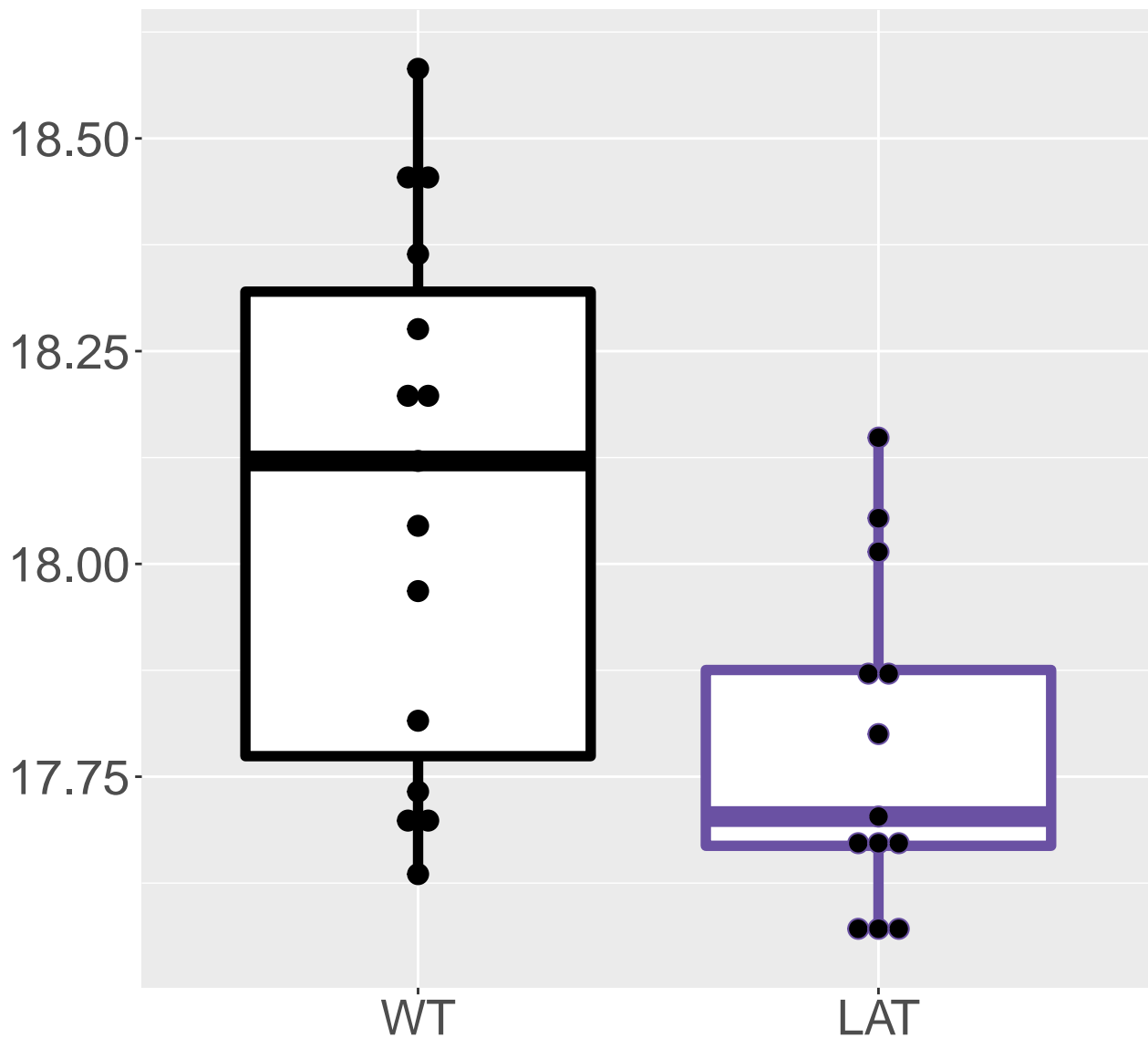
**M128.4627T75.44\_52**

**FDR = 0.041, FC = -0.56**



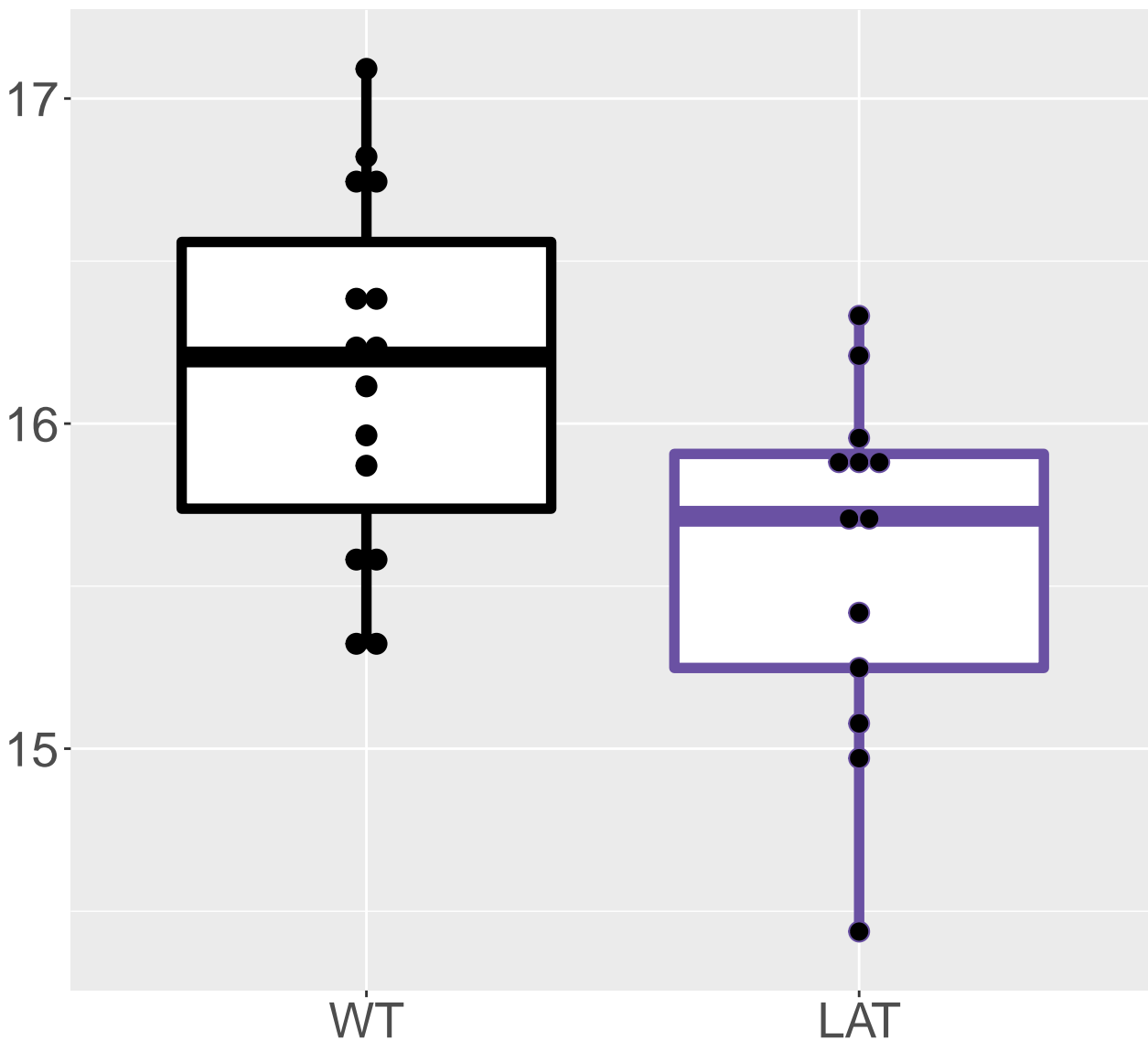
**M604.6943T371.36\_3**

**FDR = 0.041, FC = -0.3**

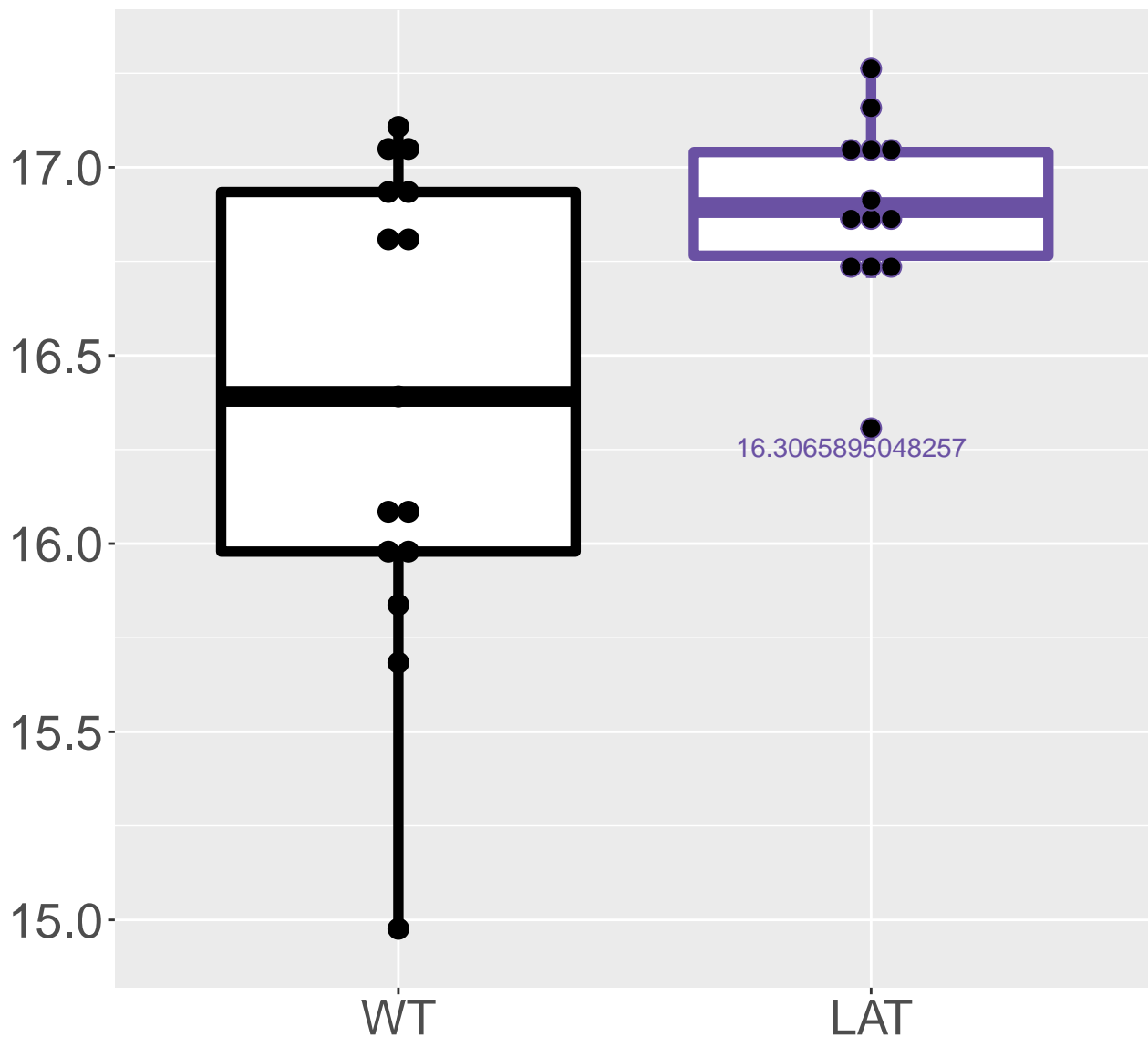




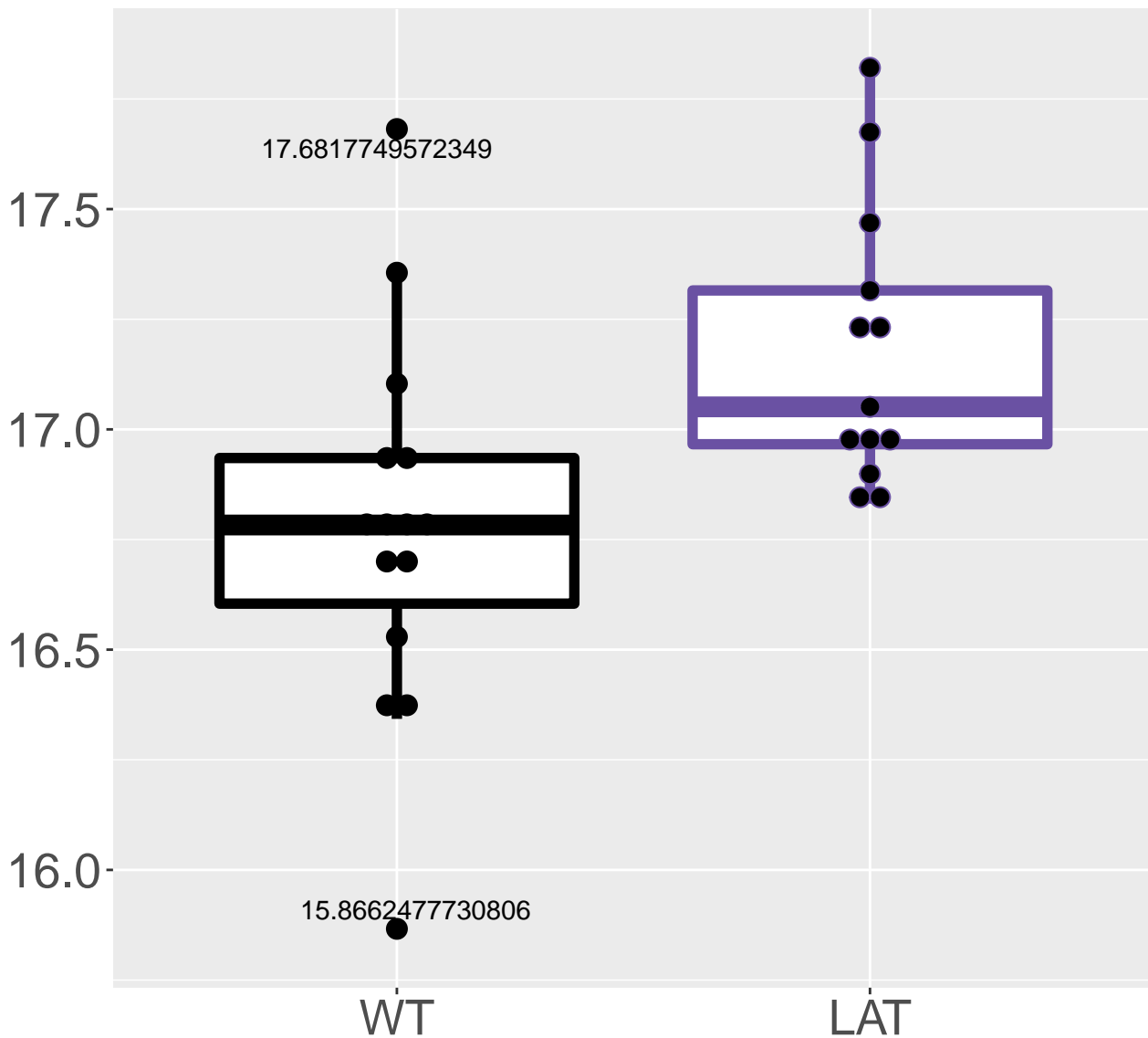
**M168.8978T113.15\_21**  
**FDR = 0.041, FC = -0.57**



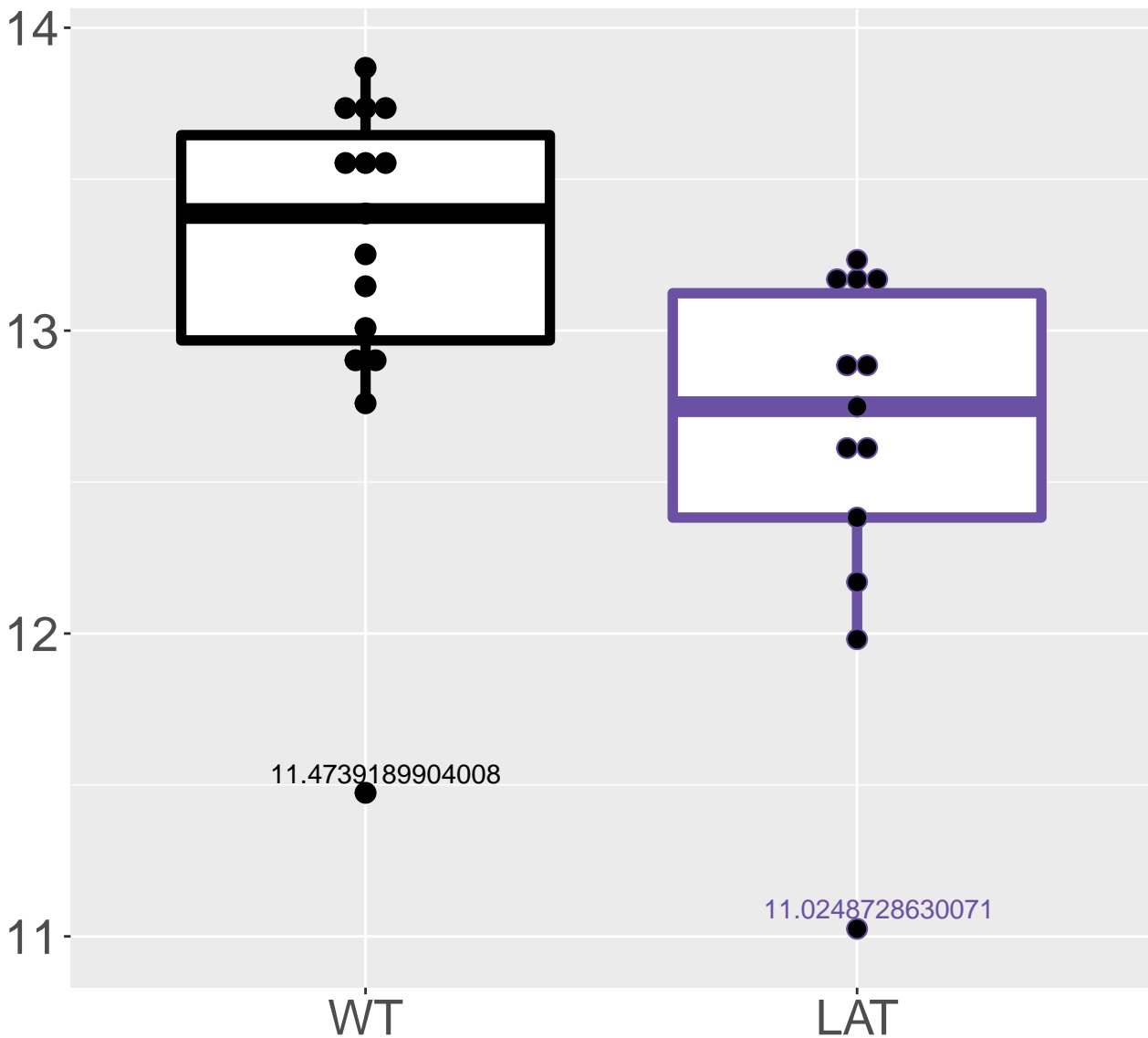
**M721.3705T393.76\_3**  
**FDR = 0.041, FC = 0.51**



**M218.2237T41.65\_2**  
**FDR = 0.041, FC = 0.4**

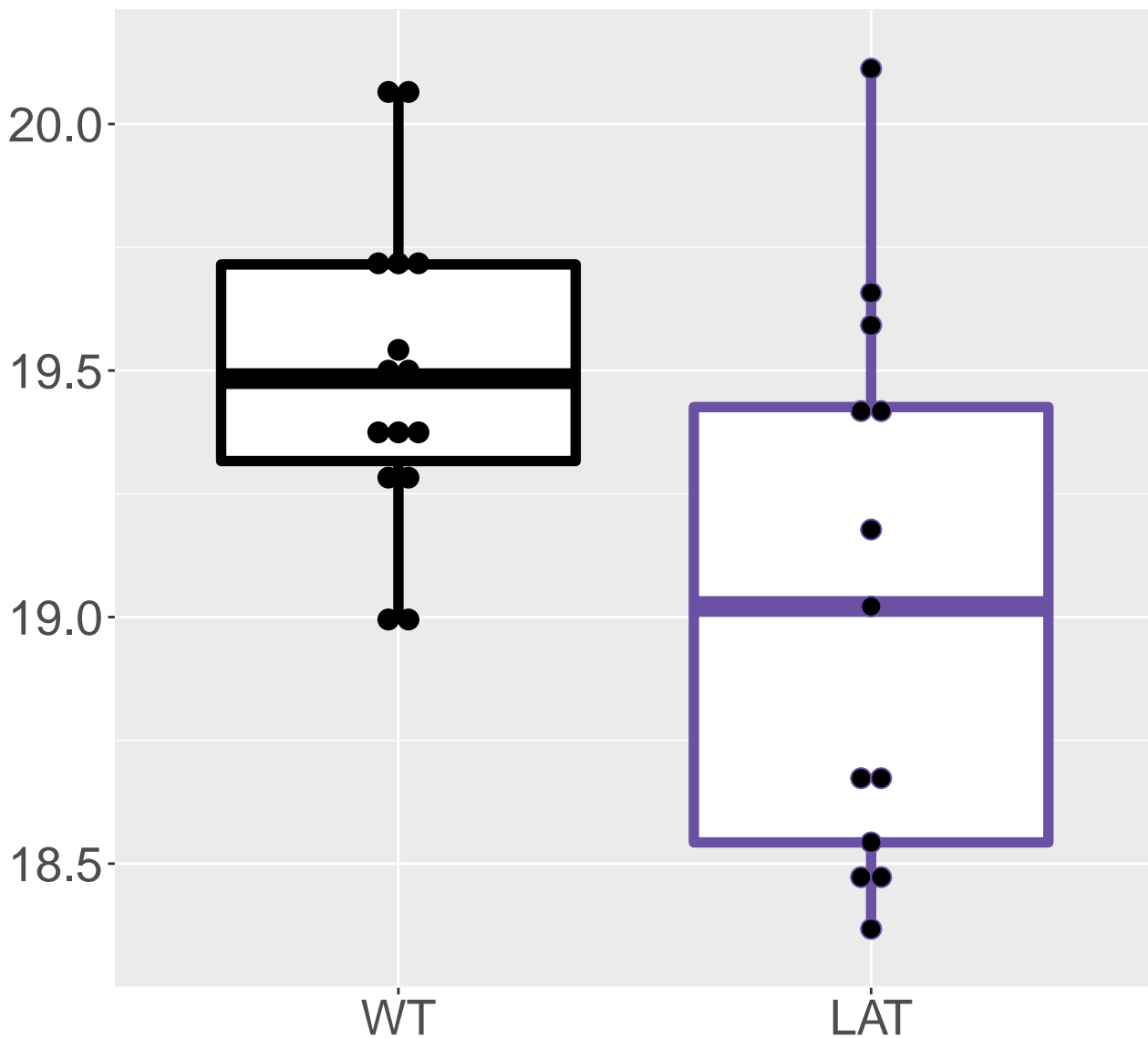


**M202.1452T228.87\_8**  
**FDR = 0.041, FC = -0.62**



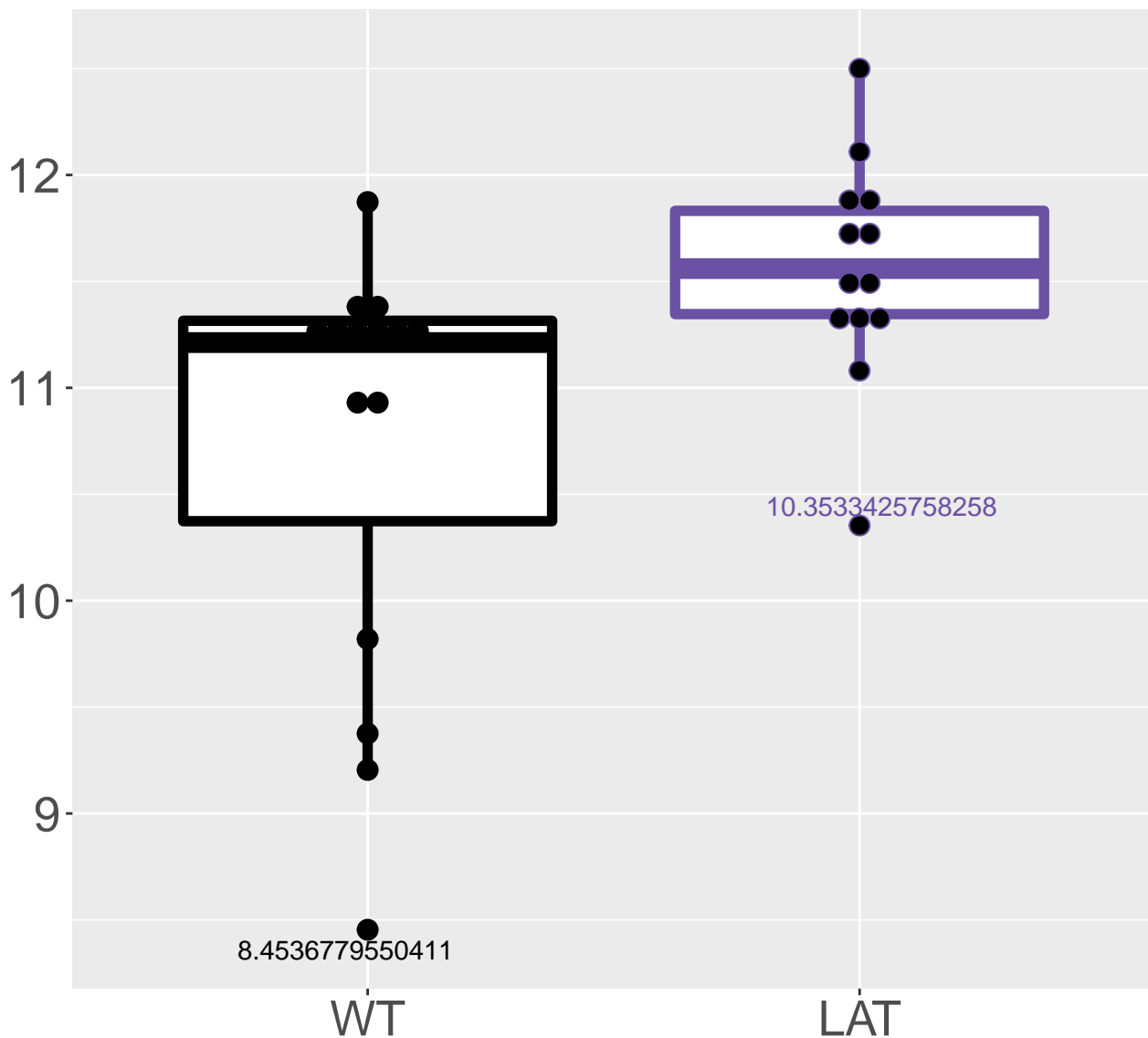
**M250.1297T56.41**

**FDR = 0.041, FC = -0.45**



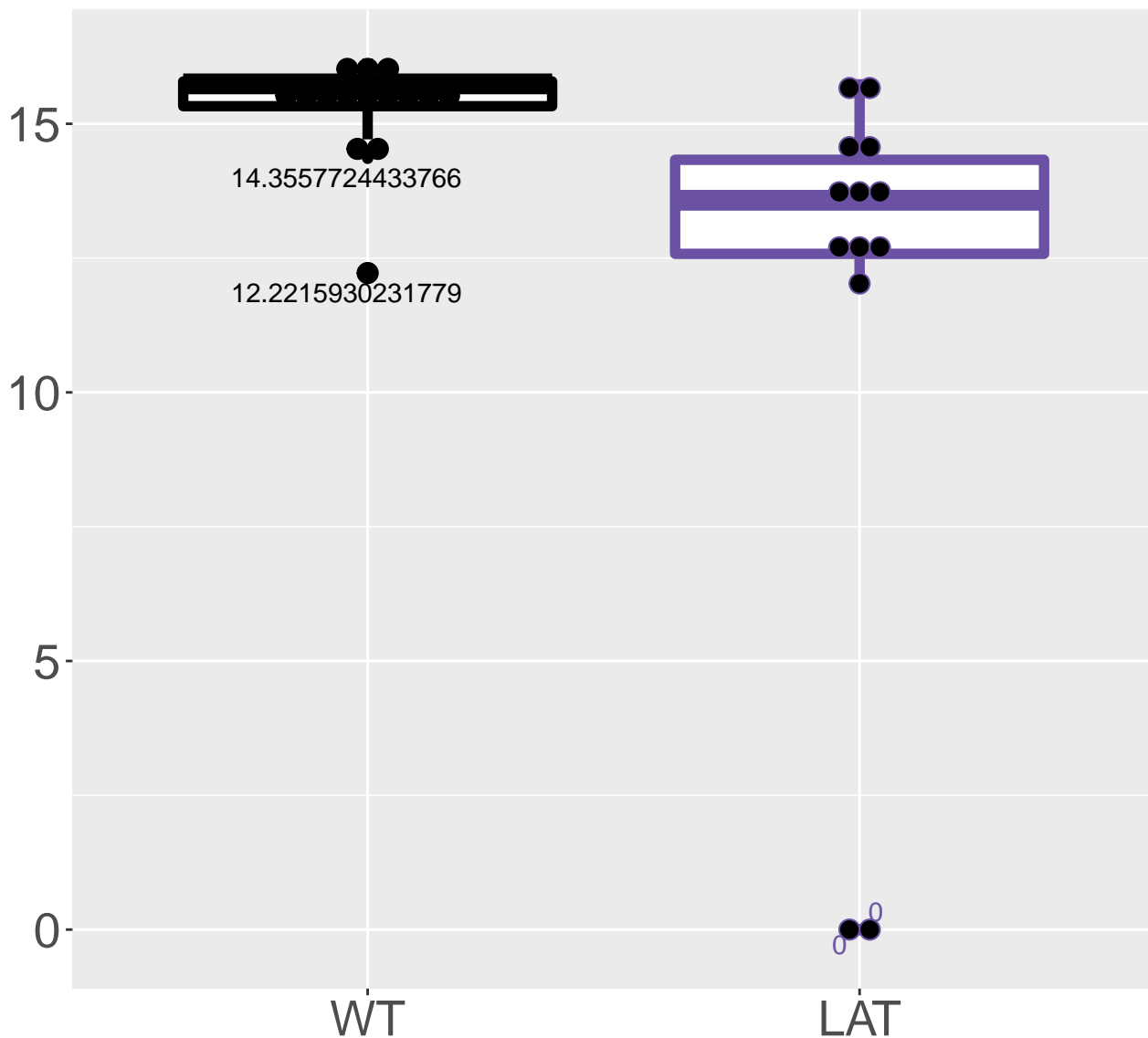
**M735.3092T129.29**

**FDR = 0.042, FC = 0.83**



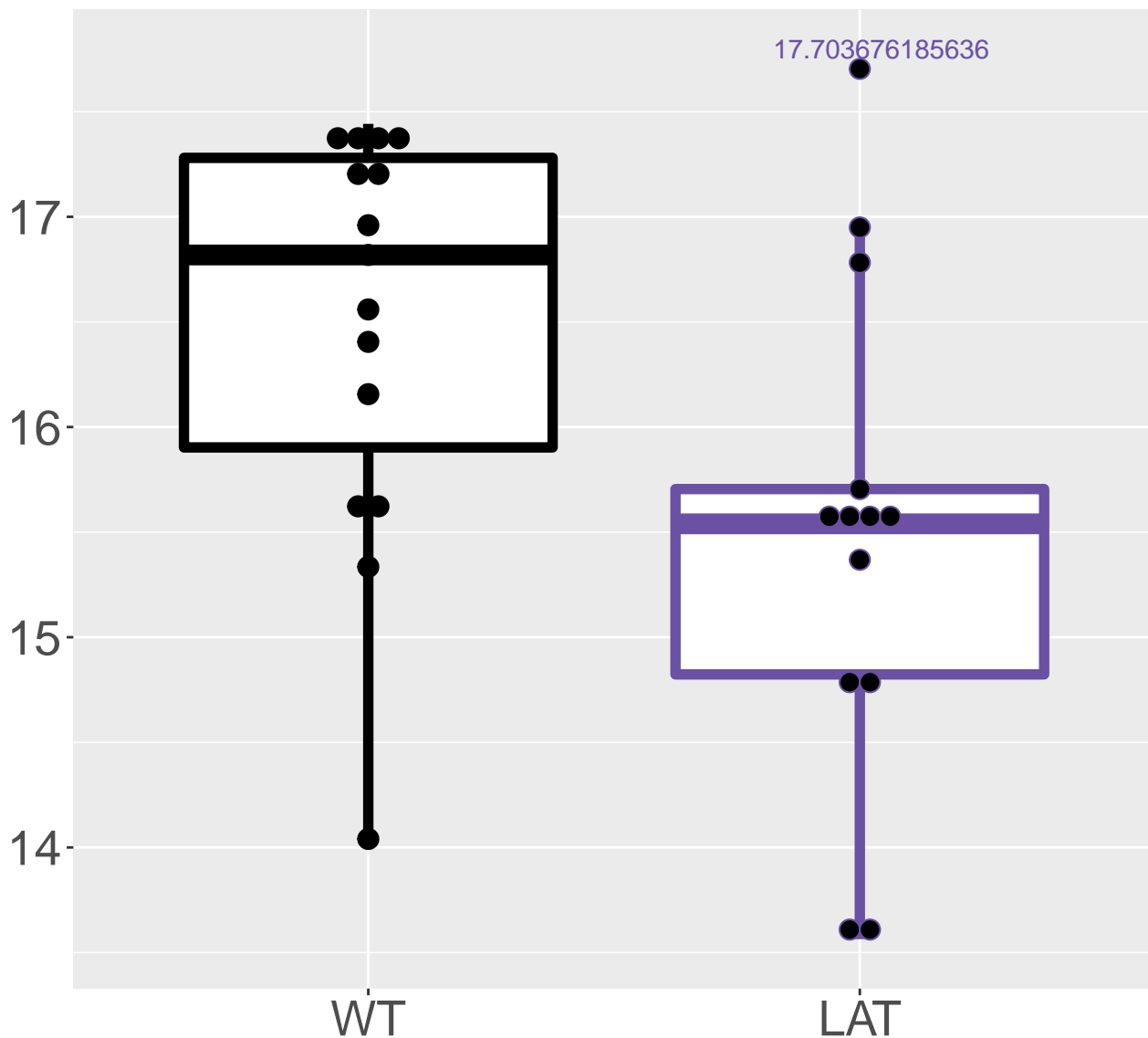
**M936.3444T48.77**

**FDR = 0.042, FC = -3.6**



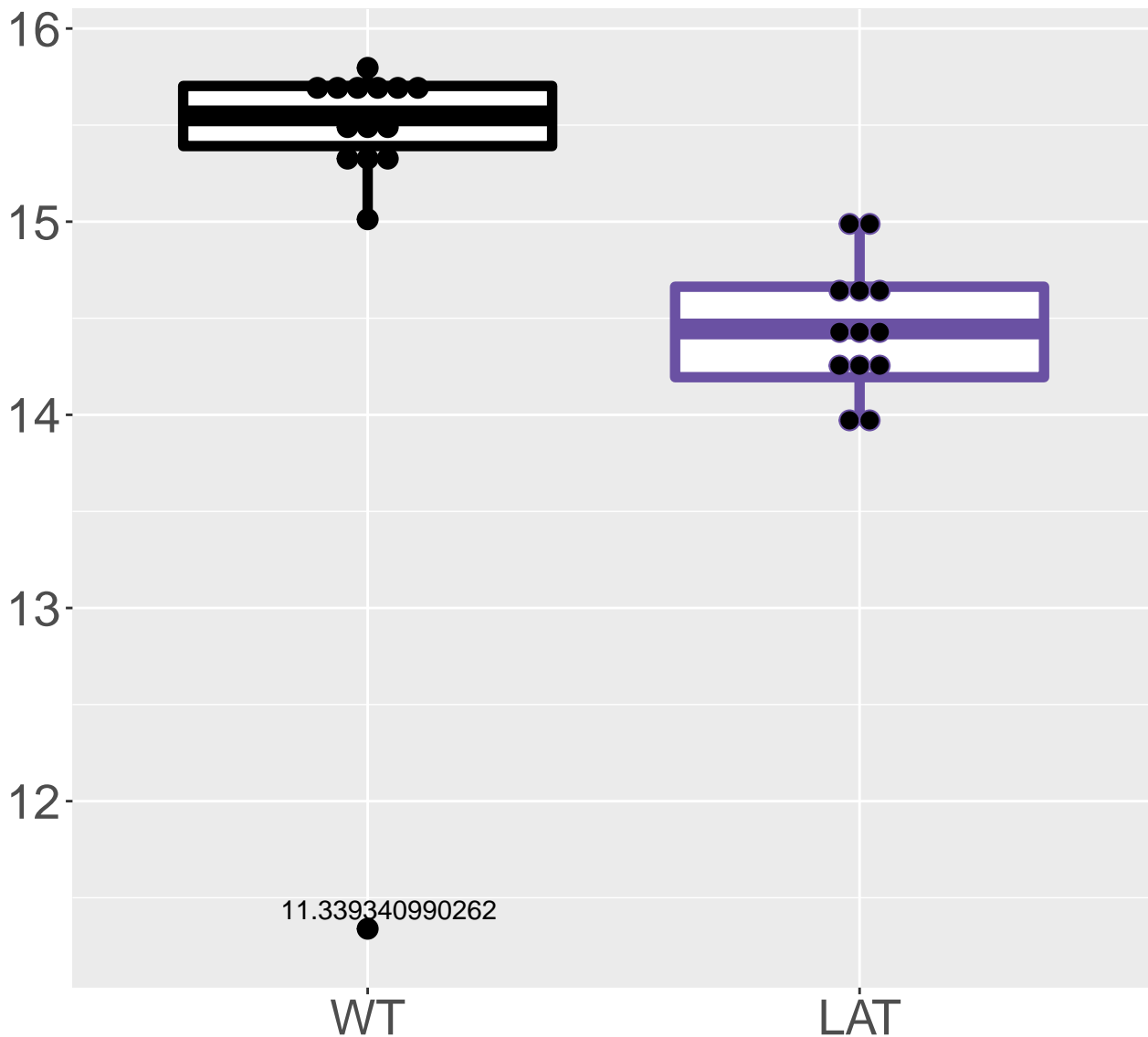
**M618.2498T702.46**

**FDR = 0.042, FC = -0.99**



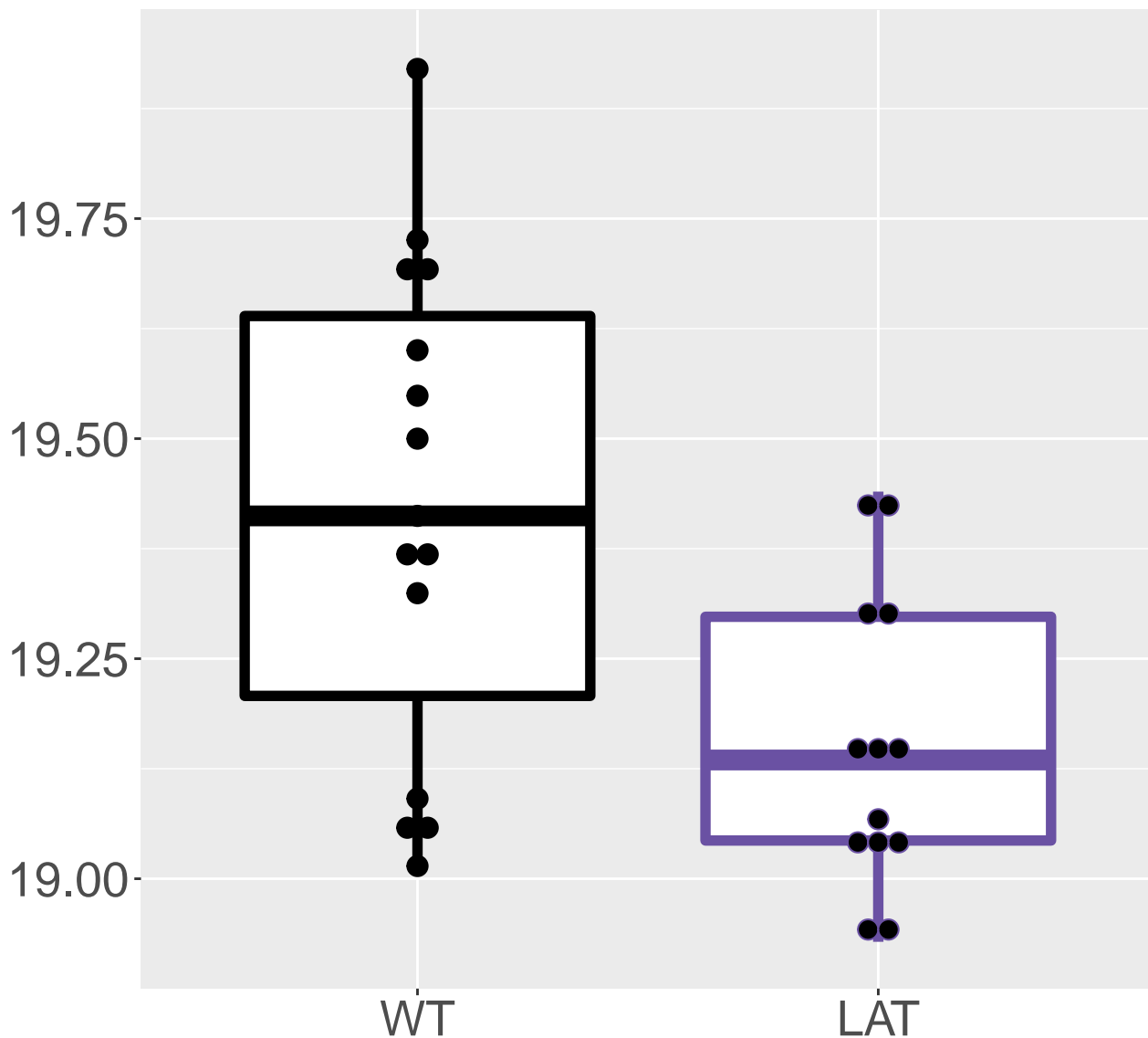


**M830.0571T377.53\_1**  
**FDR = 0.042, FC = -0.8**



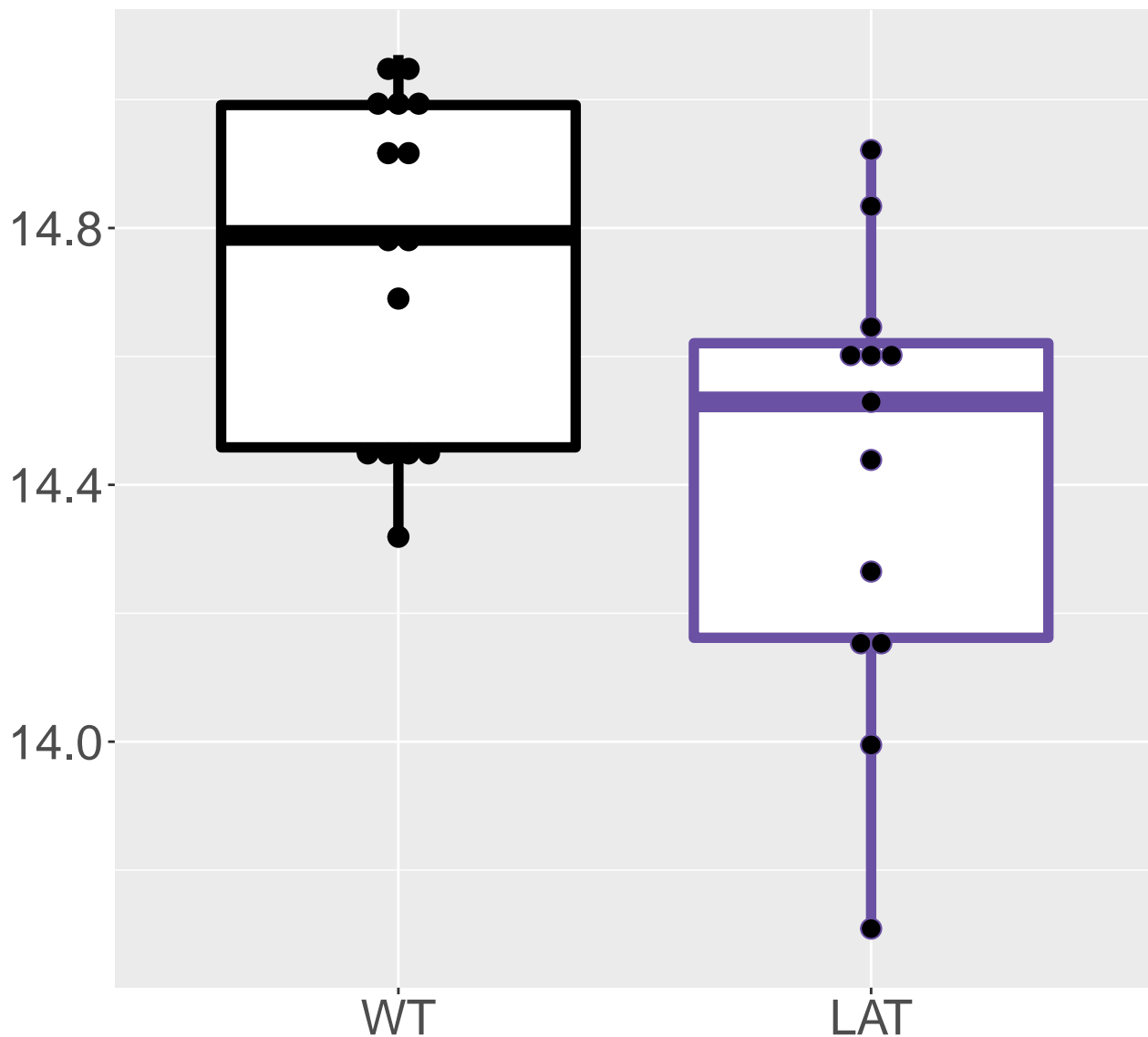
**M651.2849T371.38\_9**

**FDR = 0.042, FC = -0.27**



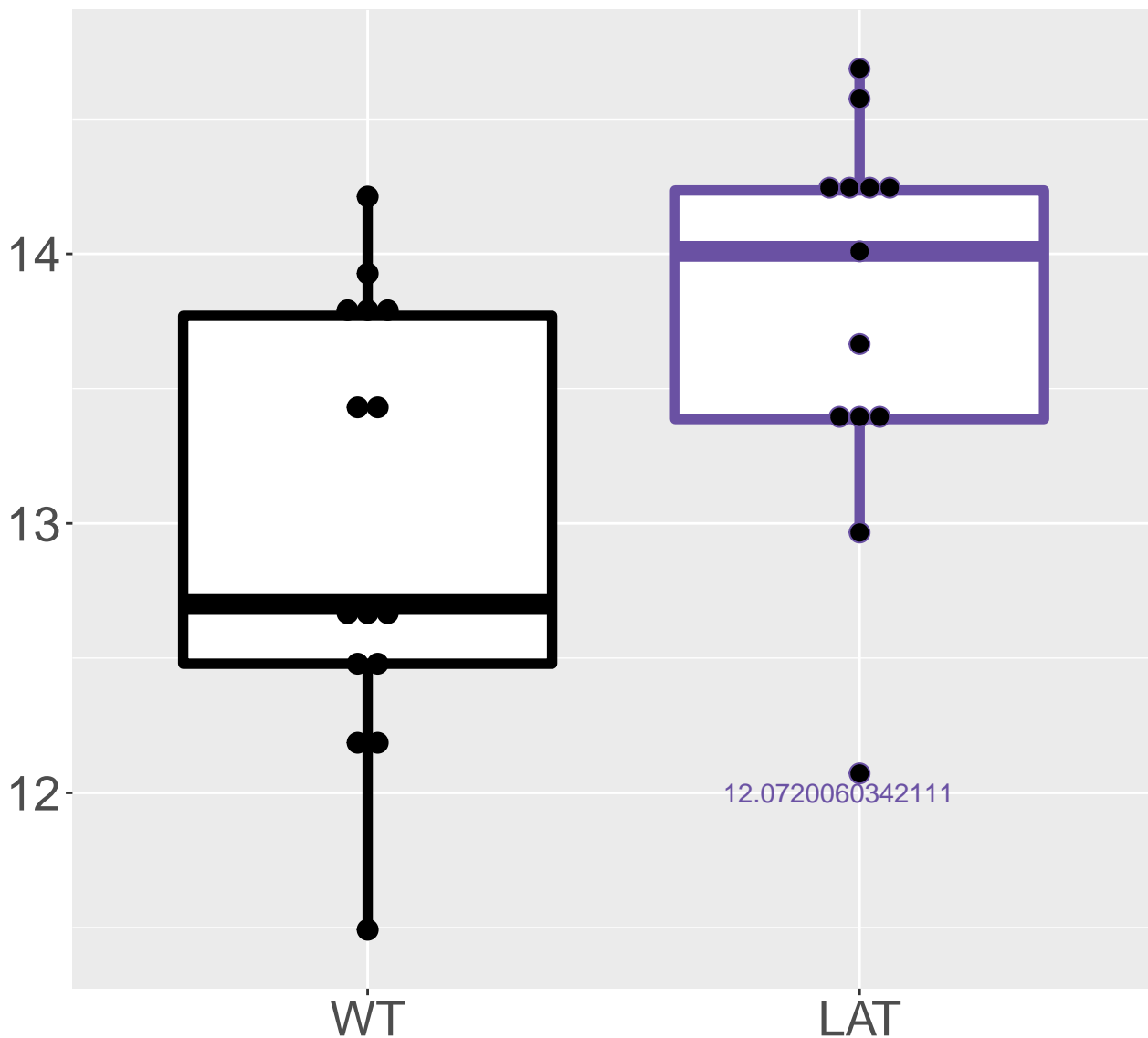
**M534.7765T251.34\_2**

**FDR = 0.042, FC = -0.33**



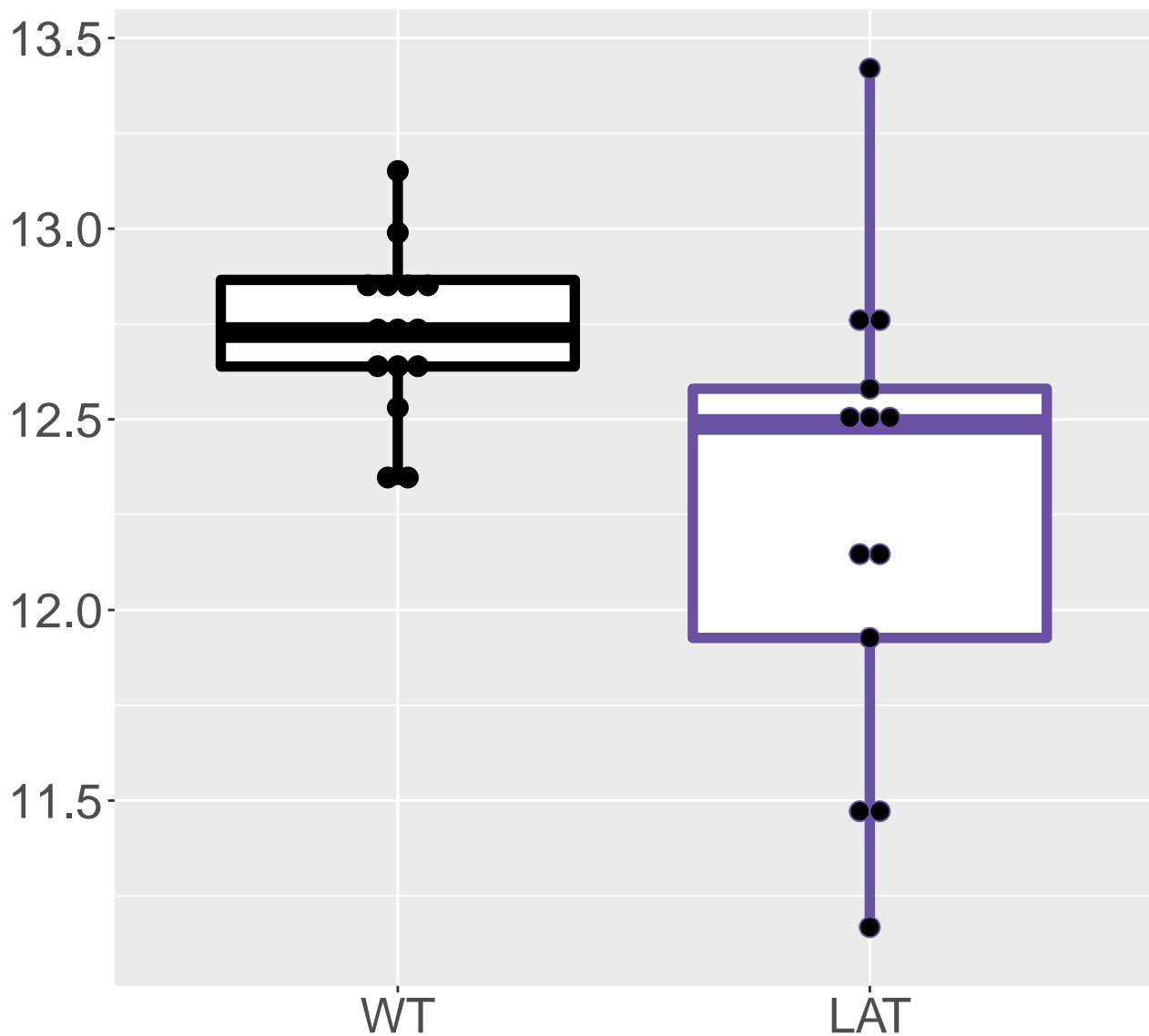
**M180.089T245.86**

**FDR = 0.042, FC = 0.77**

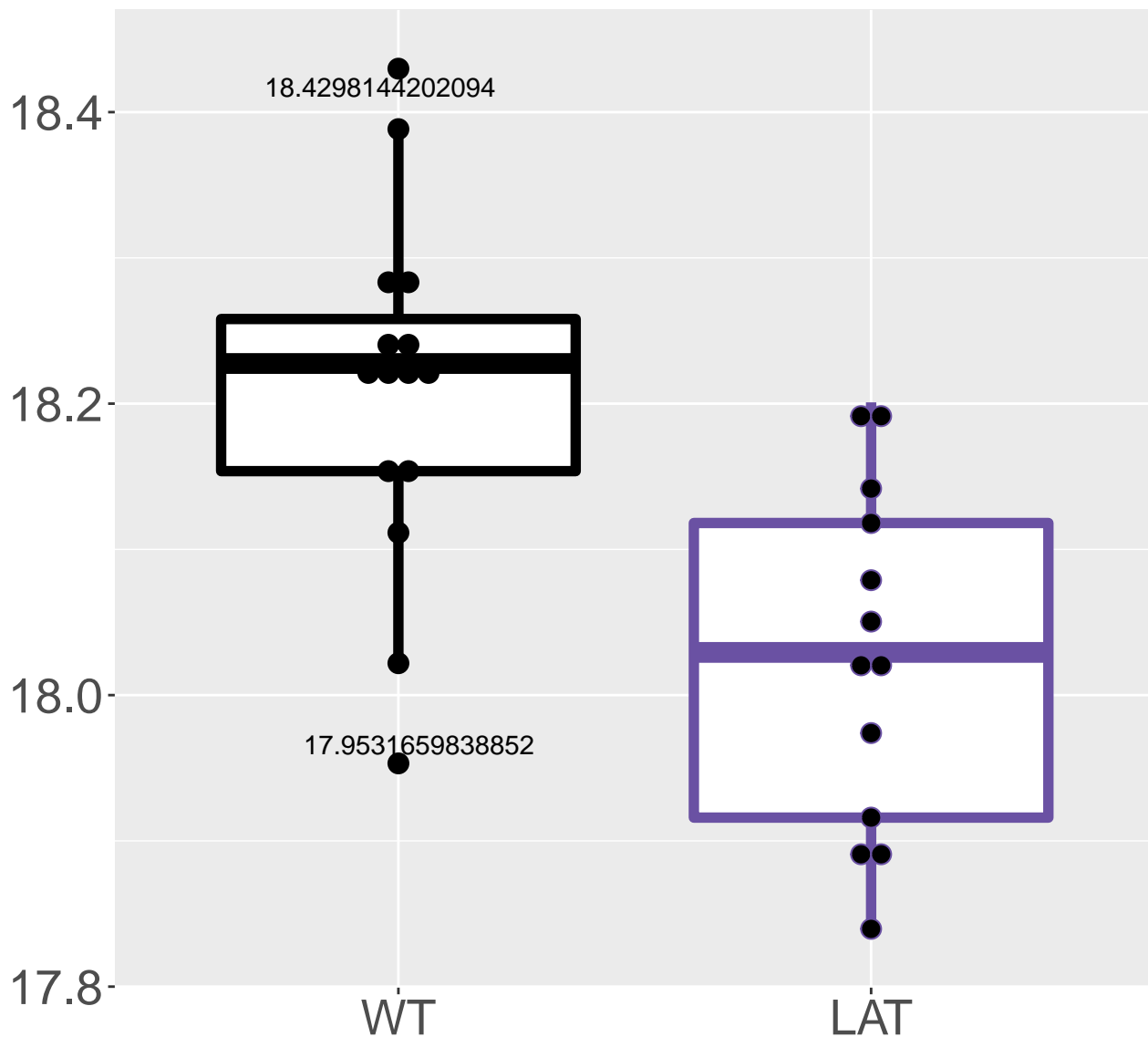


**M570.5582T277.89**

**FDR = 0.042, FC = -0.47**

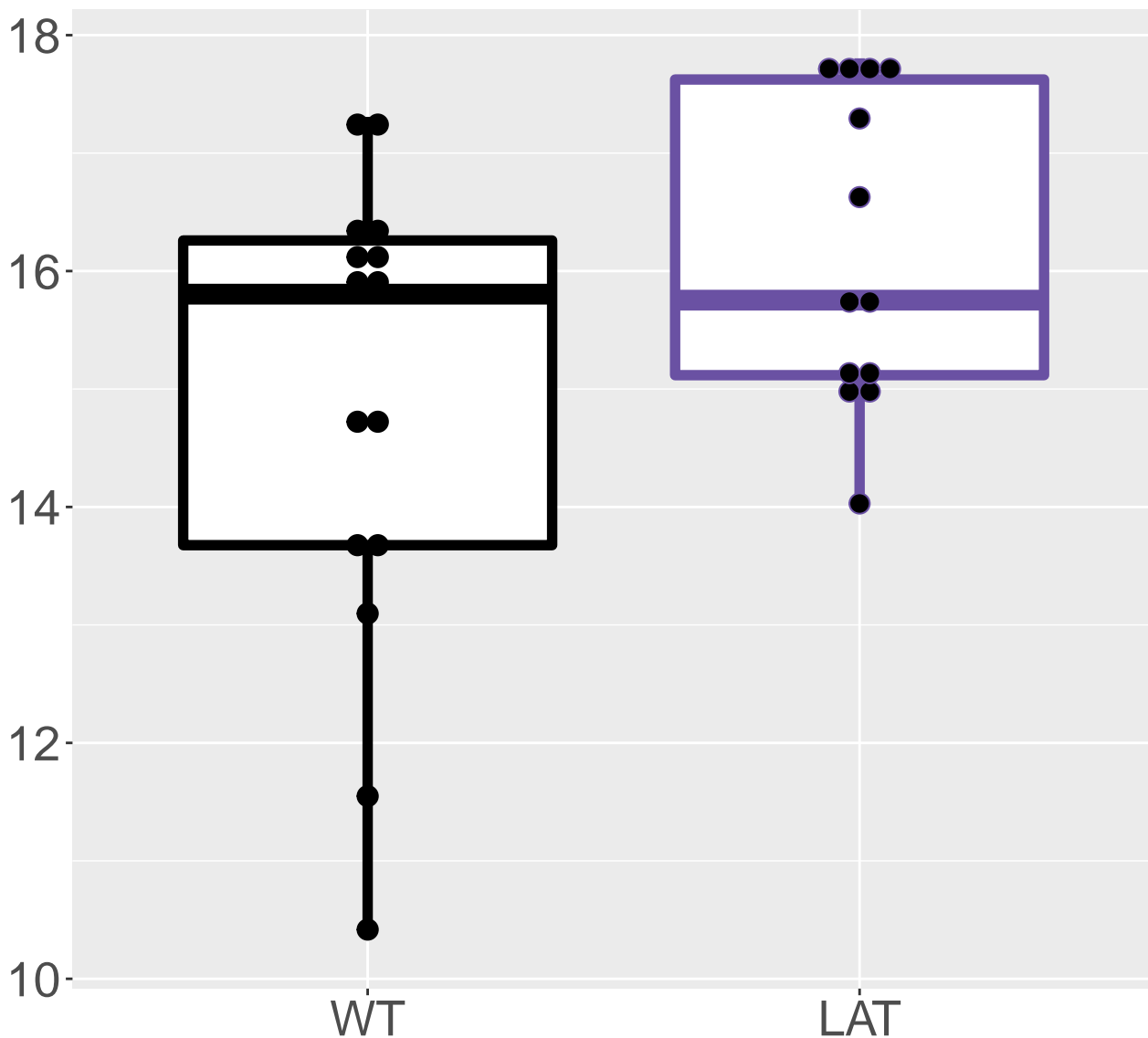


**M768.8782T371.71\_2**  
**FDR = 0.042, FC = -0.19**

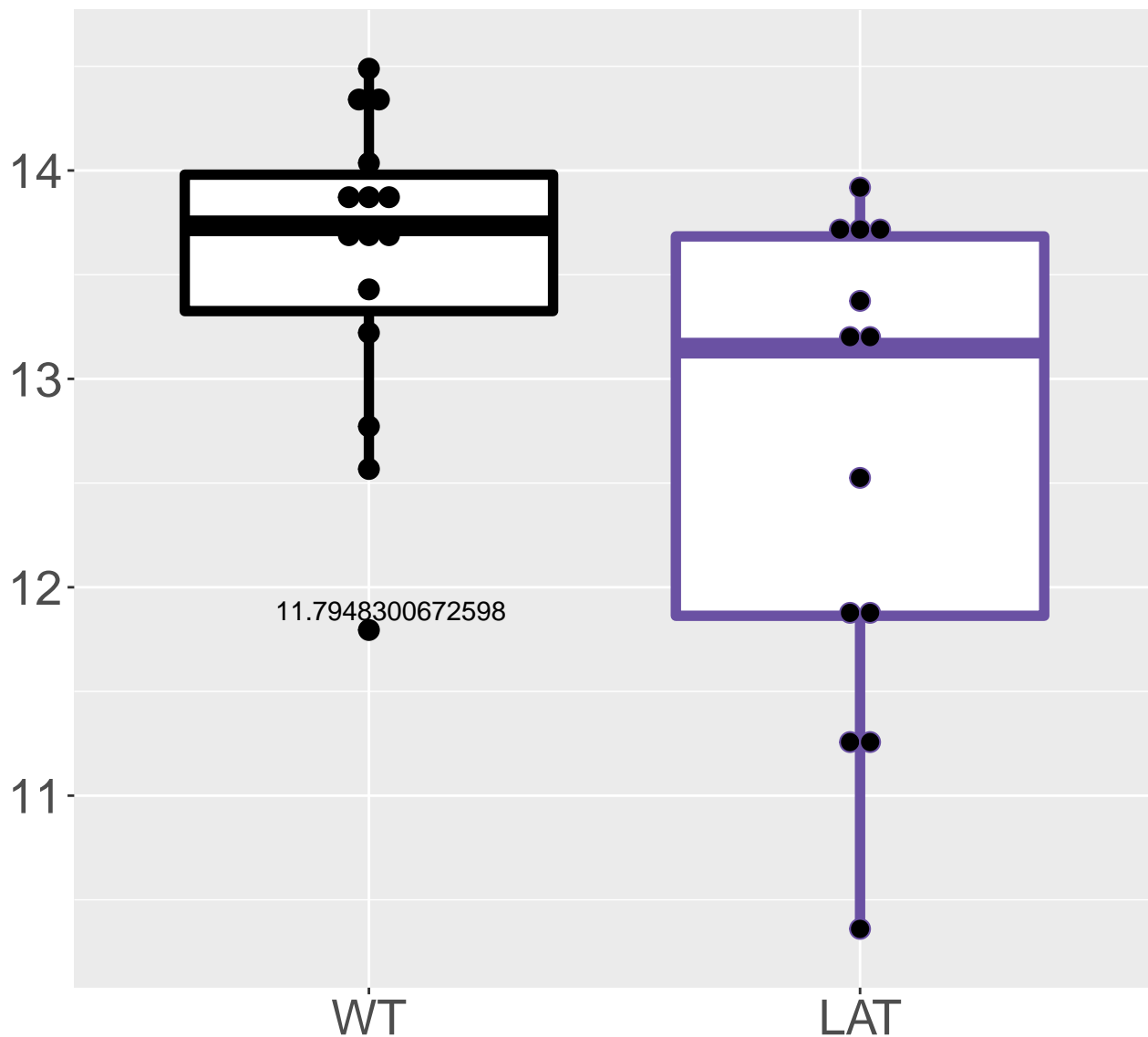


**M208.0647T62.46**

**FDR = 0.042, FC = 1.3, sex\*\*\***



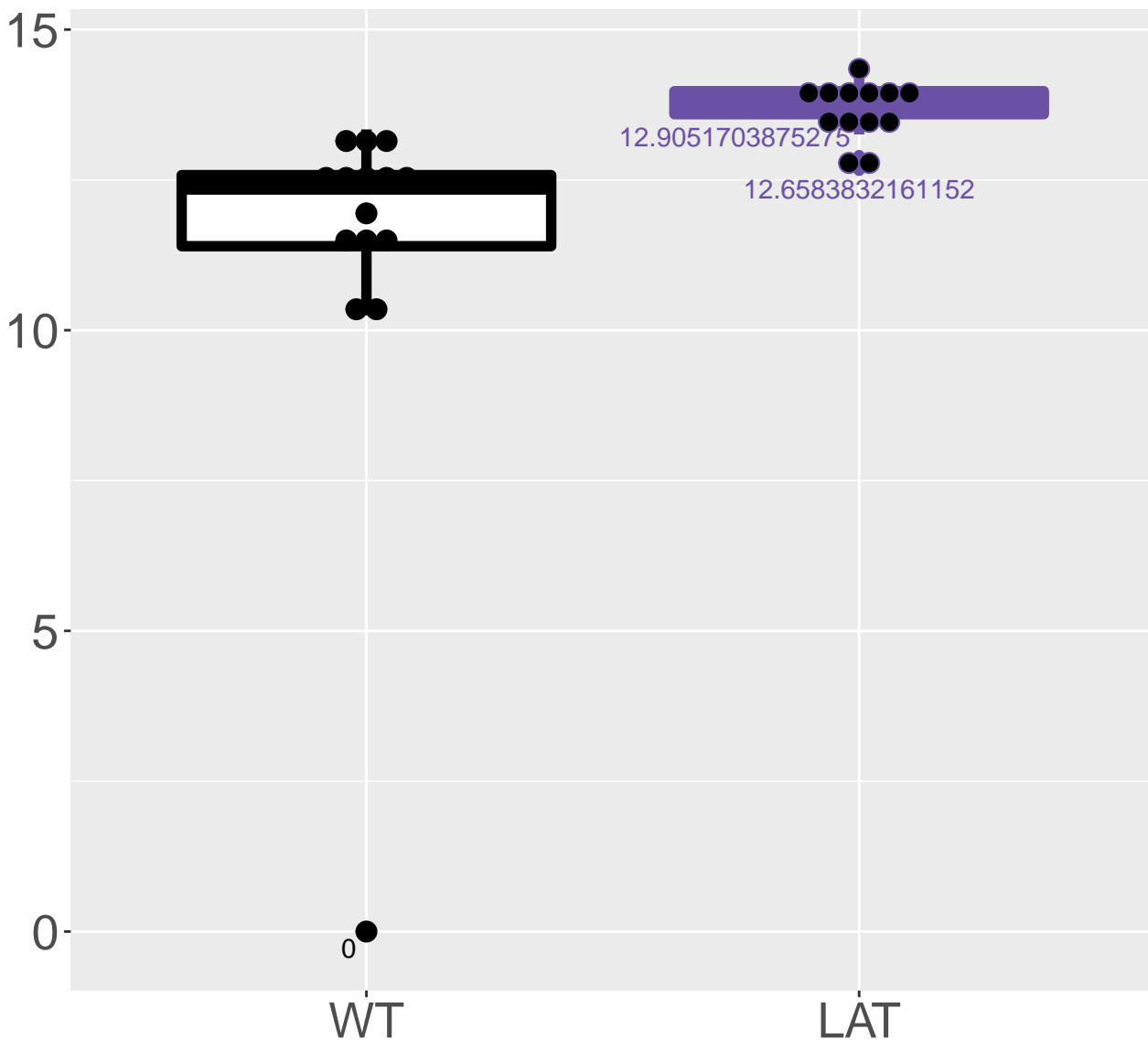
**M204.1243T228.83\_6**  
**FDR = 0.042, FC = -0.97**



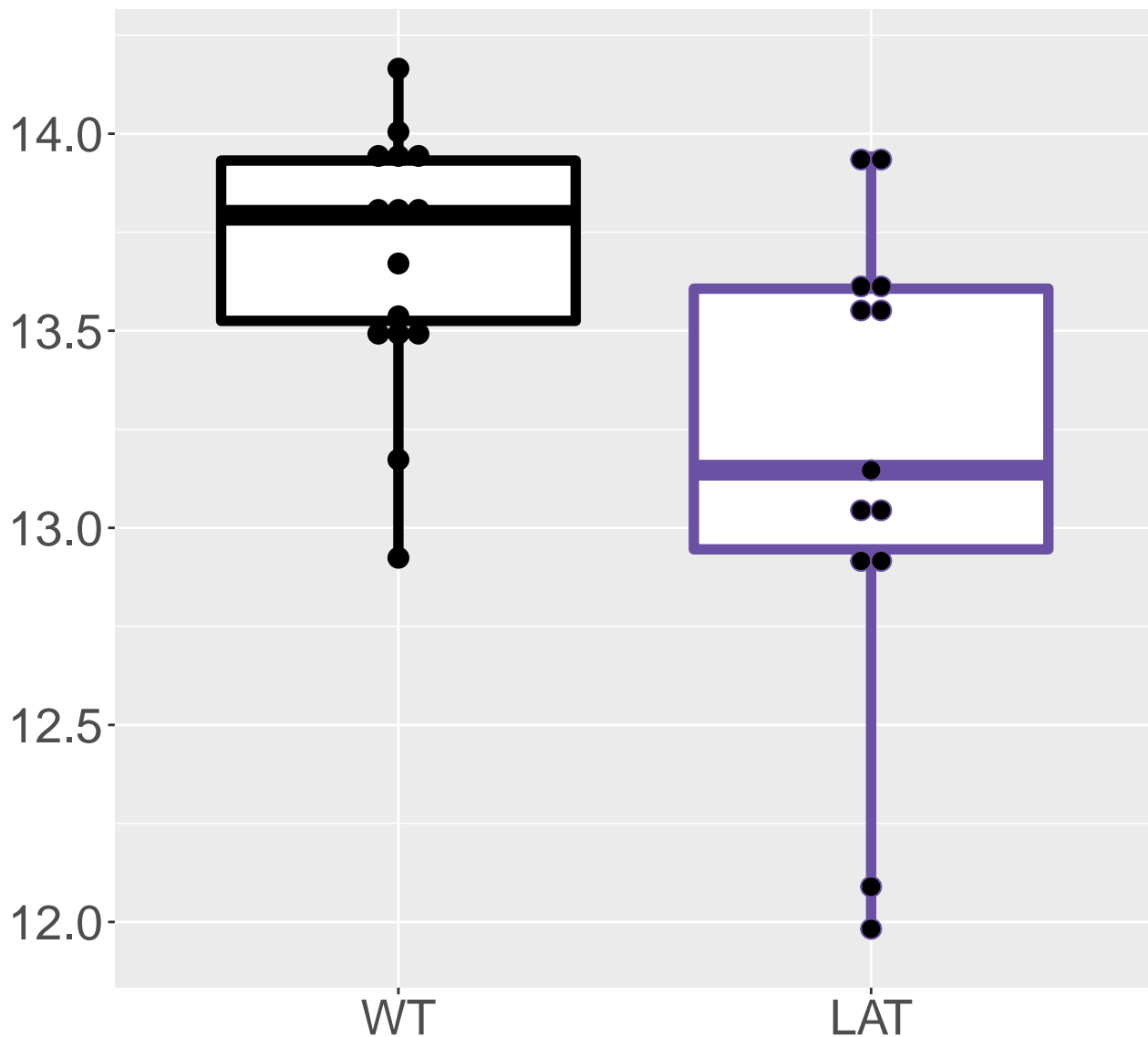


**M445.774T358.85**

**FDR = 0.042, FC = 2.4**

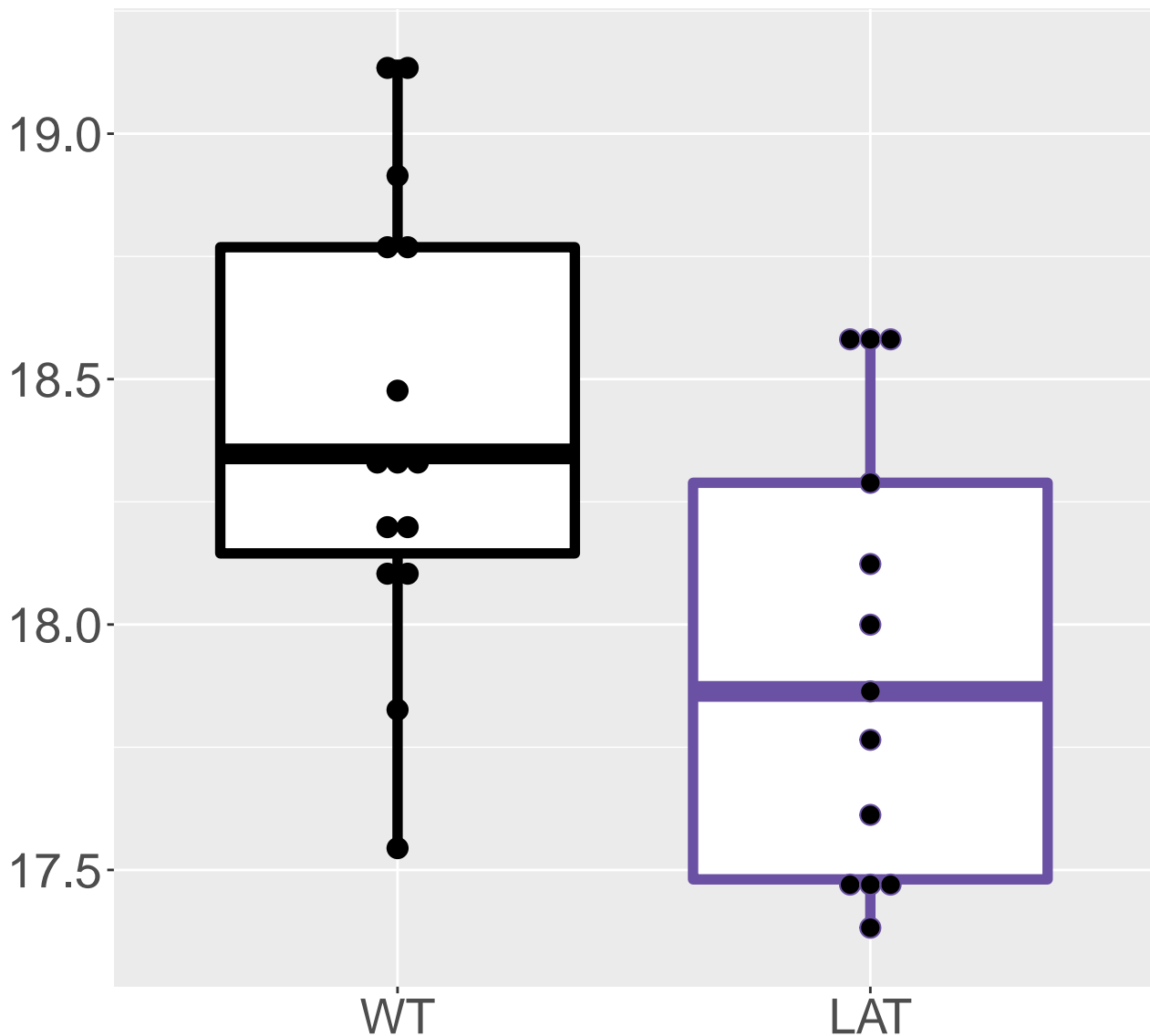


**M521.465T392.68\_3**  
**FDR = 0.042, FC = -0.5**

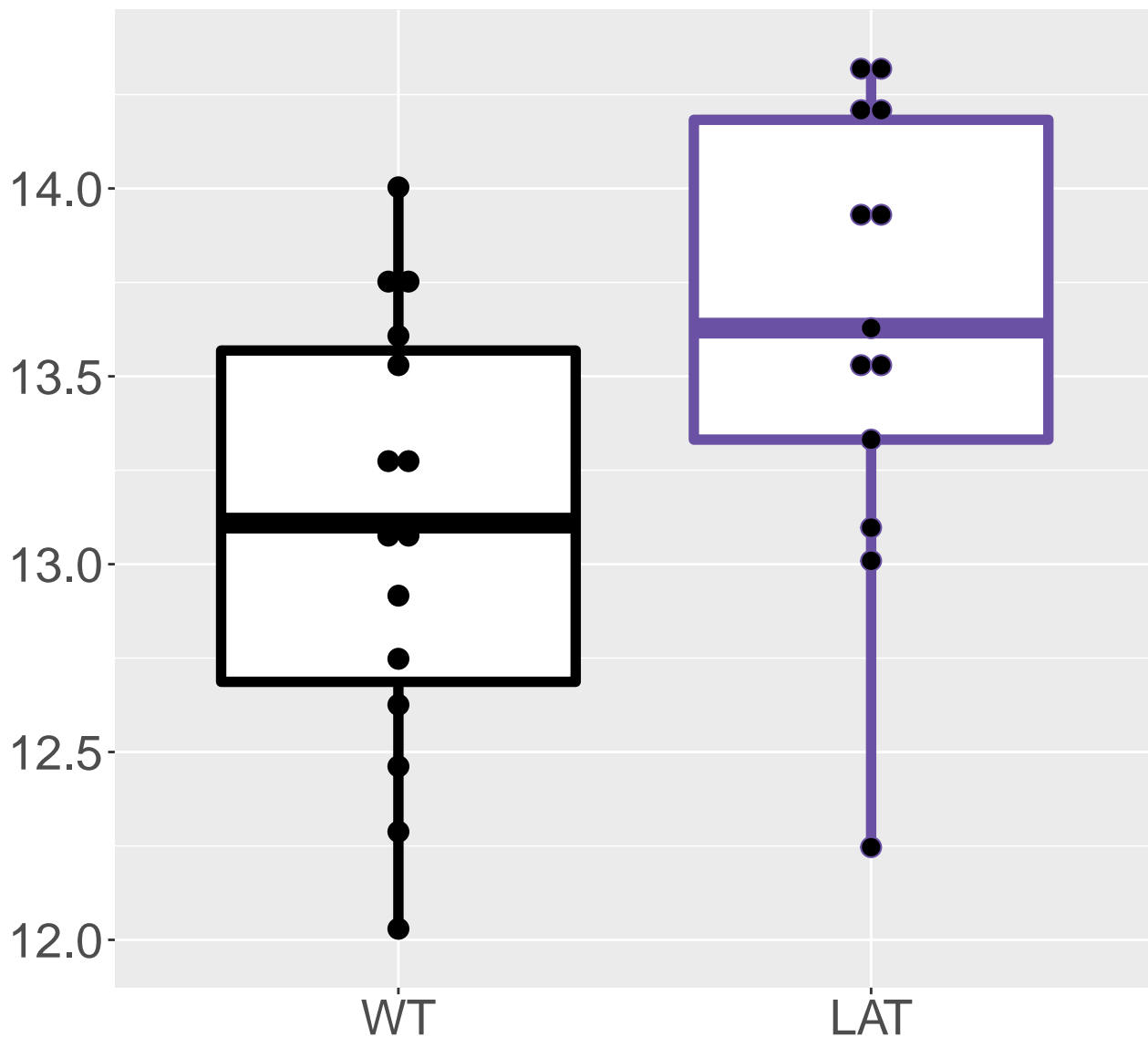


**M371.1148T48.79**

**FDR = 0.043, FC = -0.47**

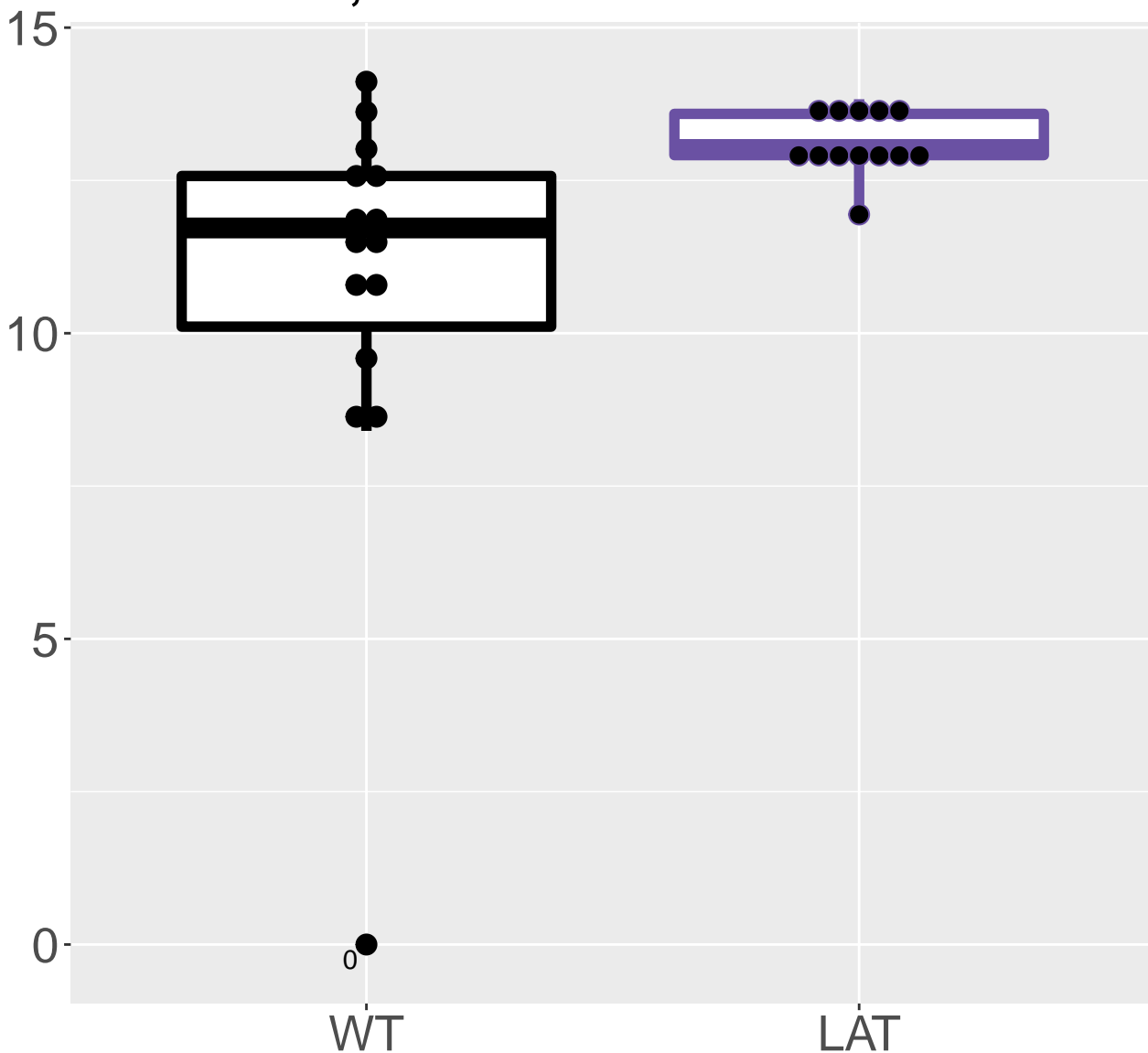


**M506.2467T342.66**  
**FDR = 0.043, FC = 0.54**

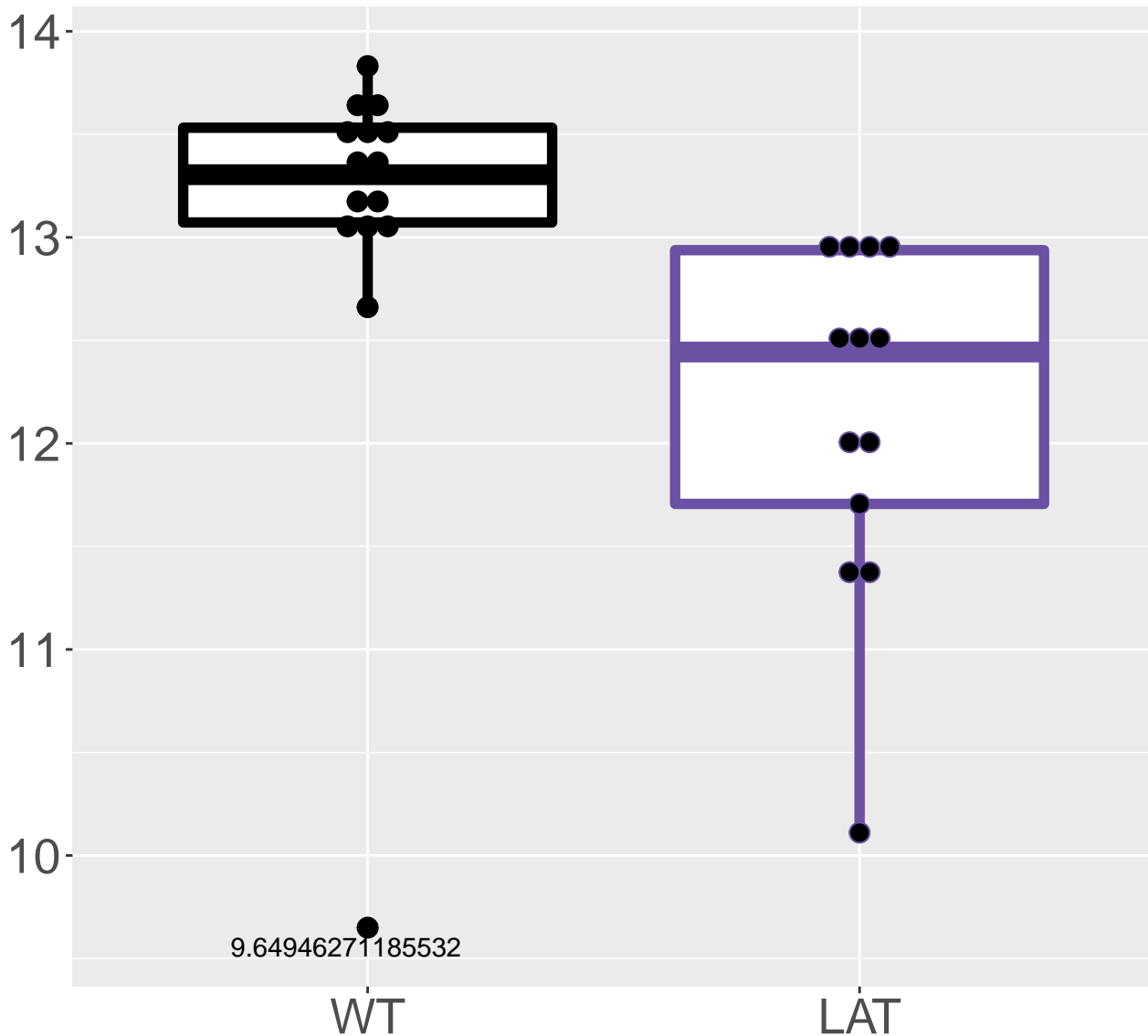


**M382.7322T146.49**

**FDR = 0.043, FC = 2.4**

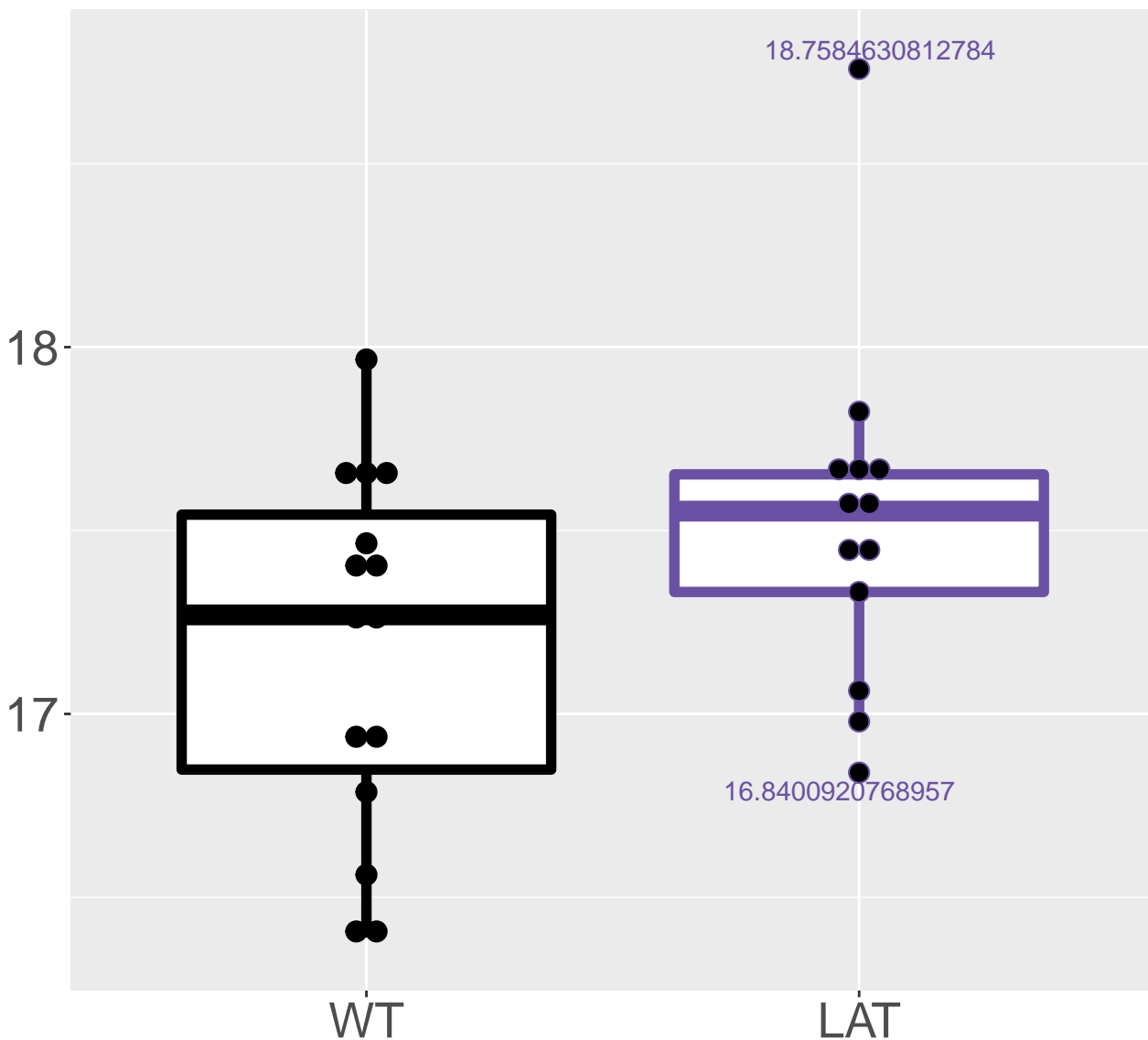


**M384.2199T135.04\_1**  
**FDR = 0.043, FC = -0.93**

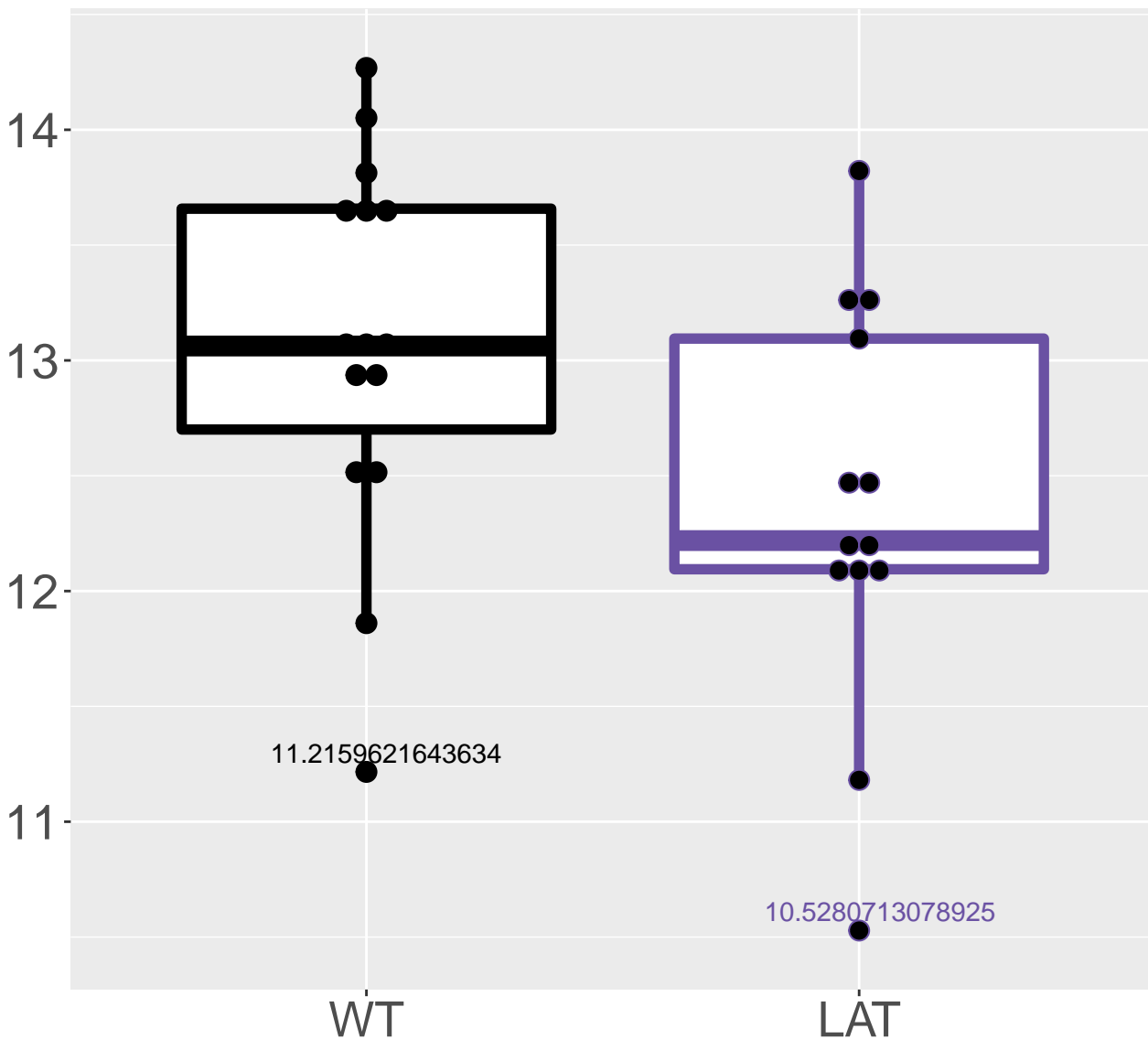


M569.2114T487.76

FDR = 0.043, FC = 0.34, sex\*\*



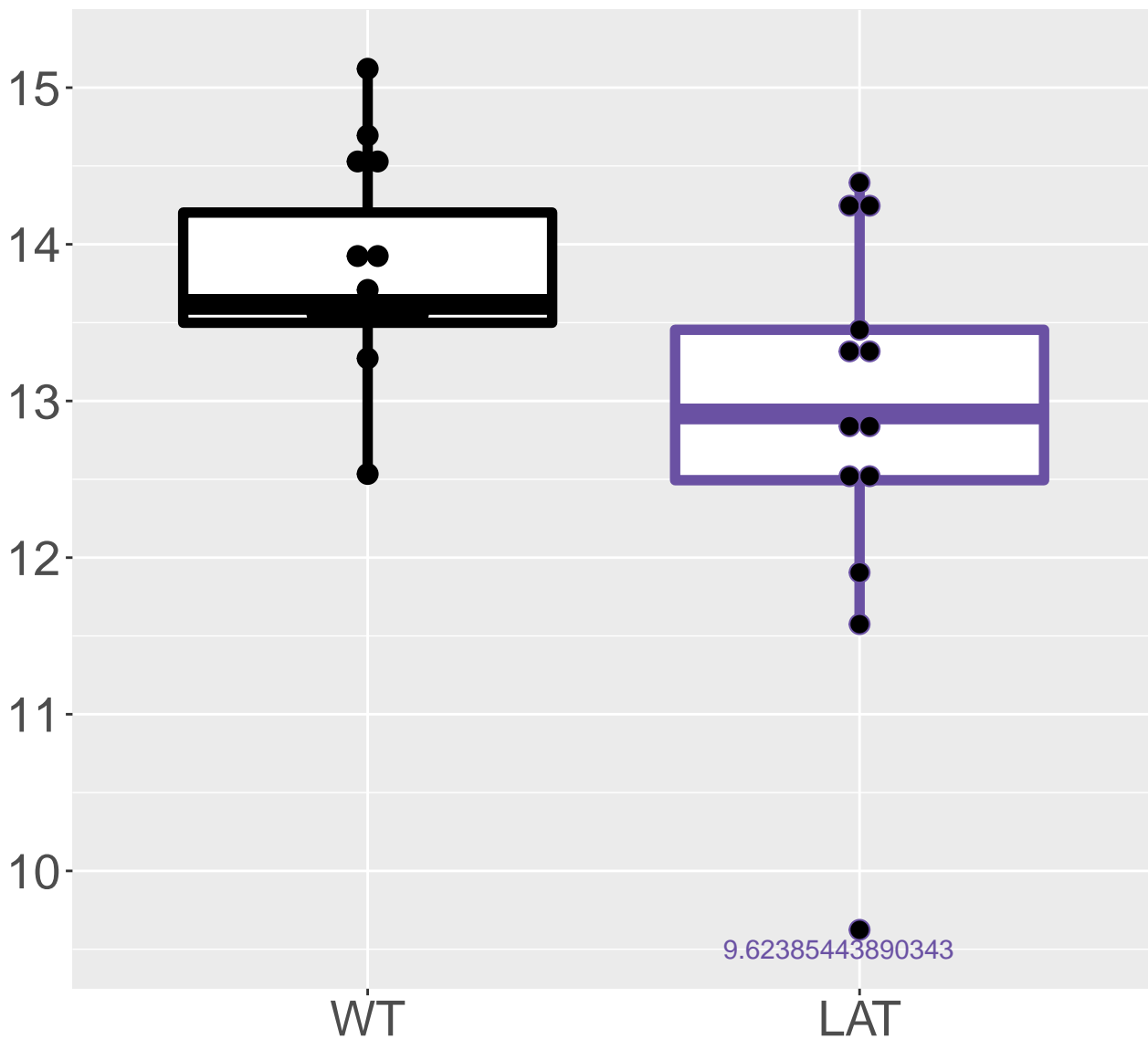
**FDR = 0.043, FC = -0.72, sex\*\***



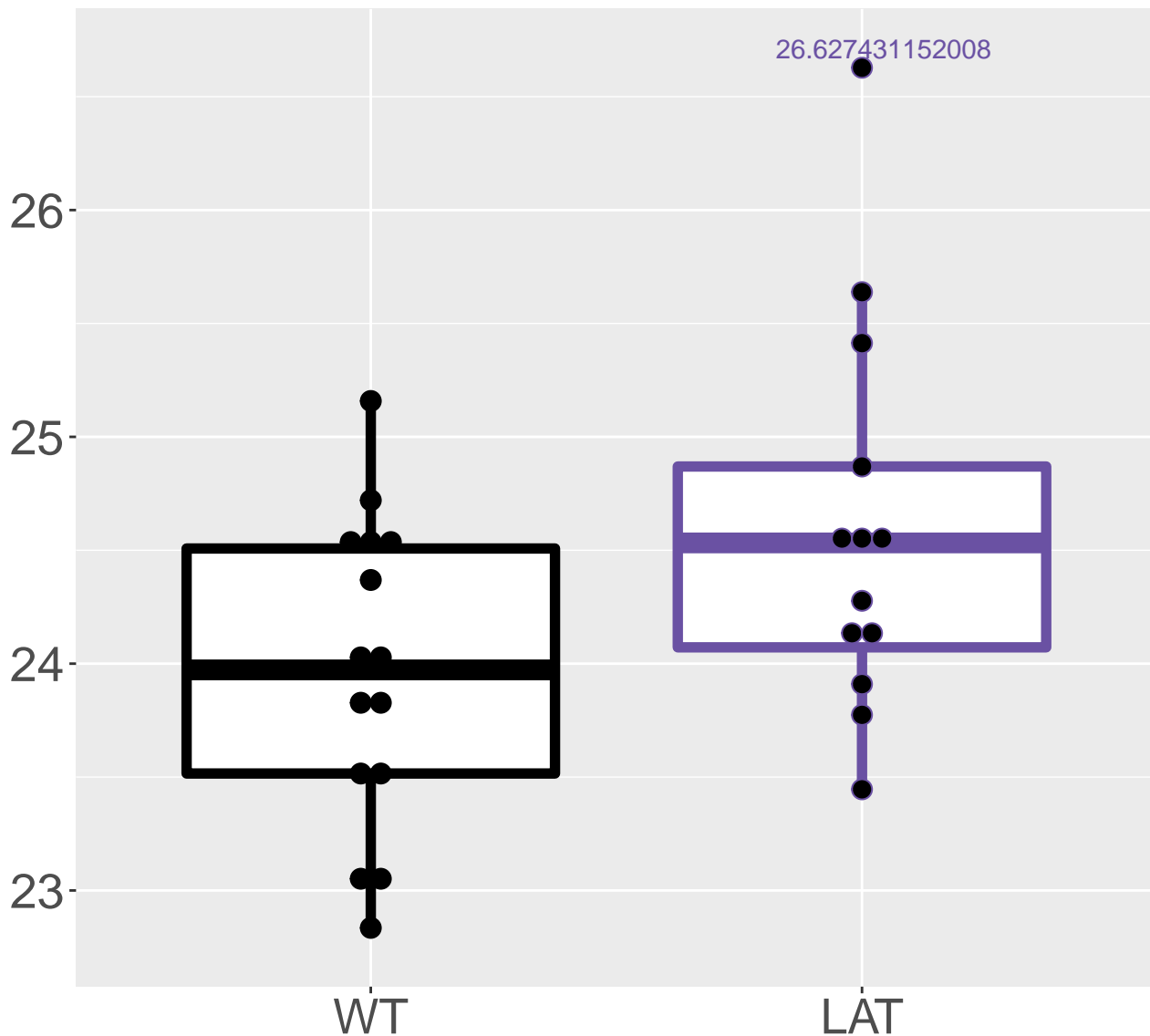


**M434.037T325.49**

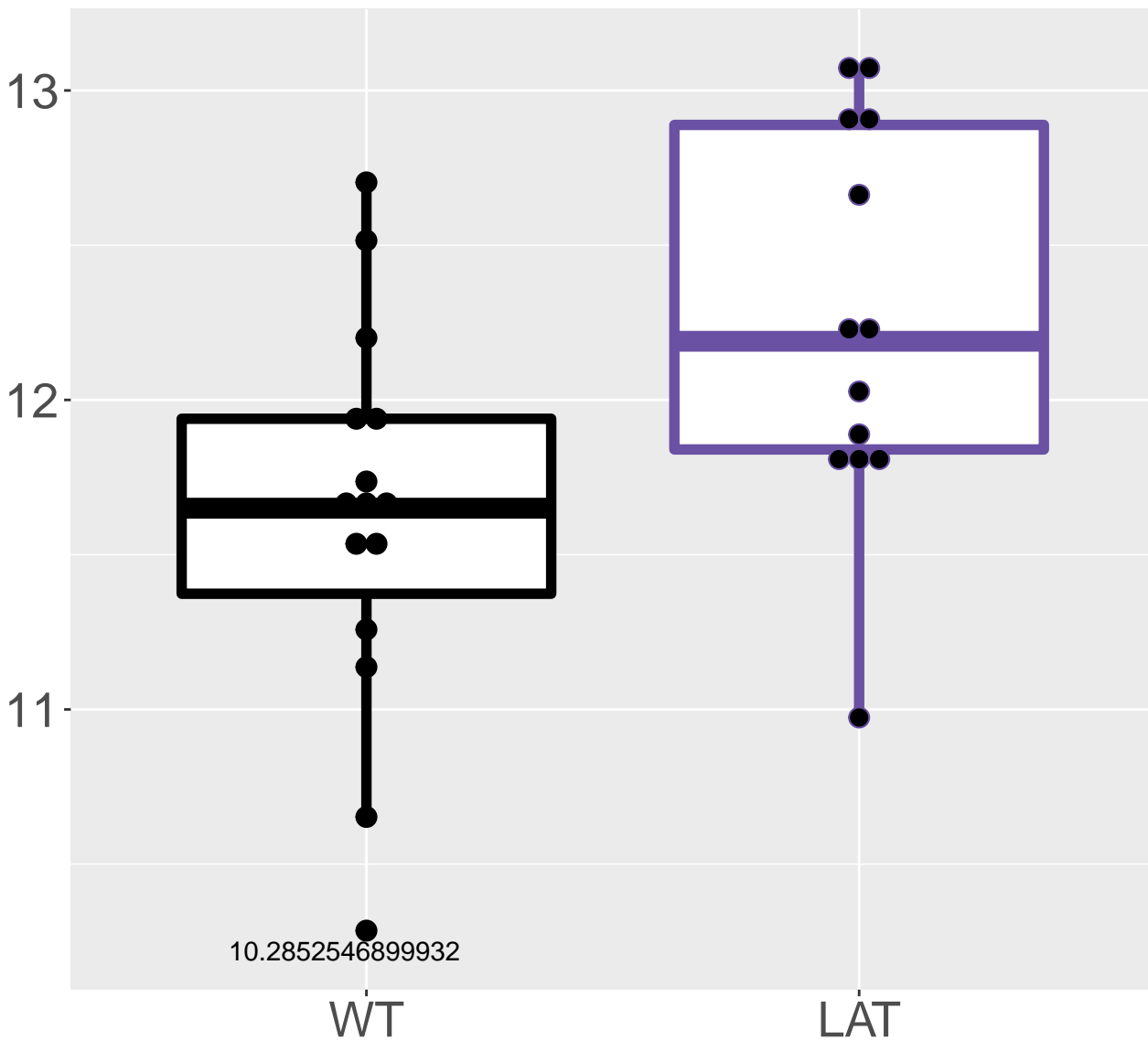
**FDR = 0.043, FC = -1**



**Taurocholic acid;Taurocholate;Cholic acid tauri**  
**FDR = 0.043, FC = 0.64**

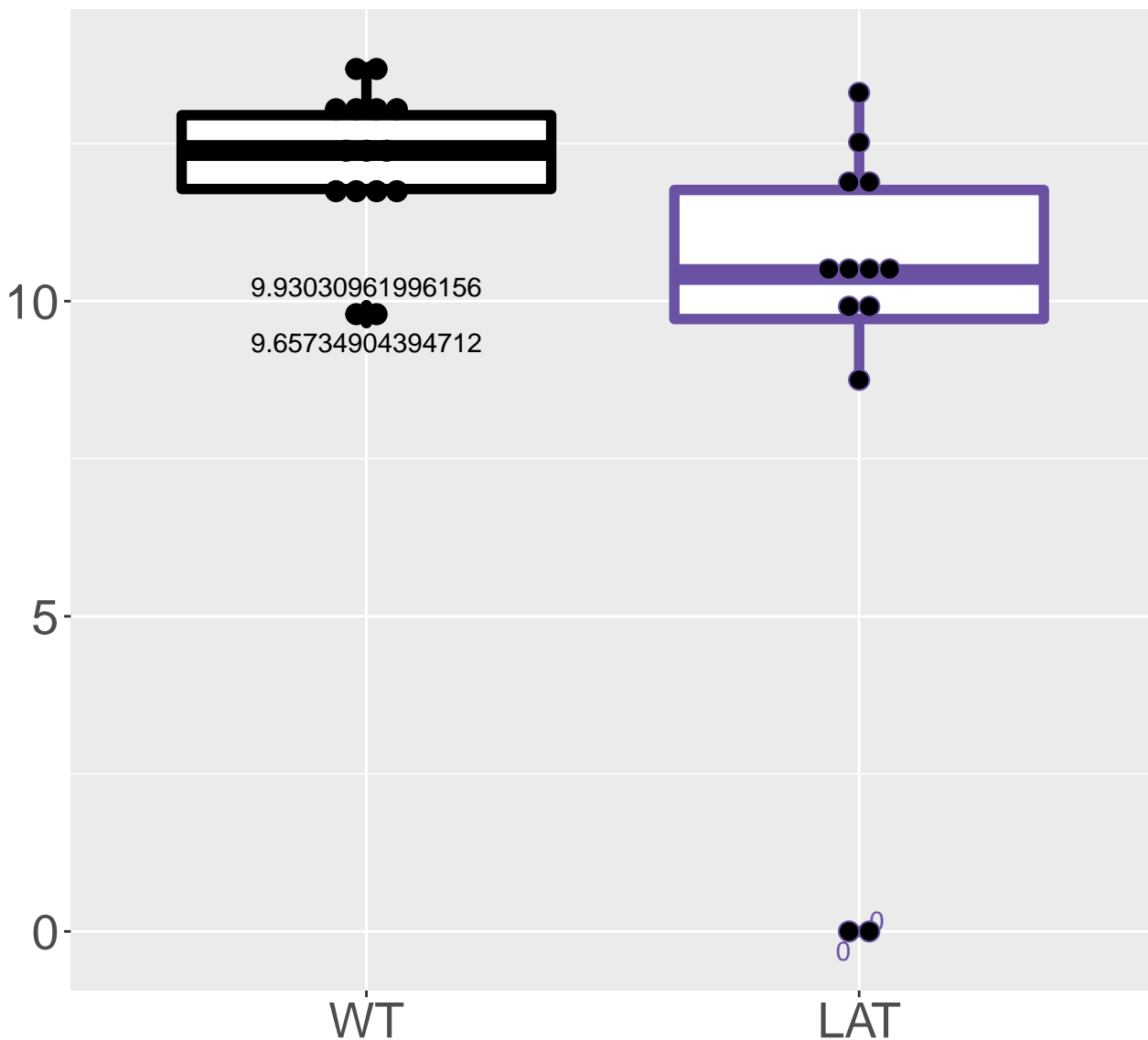


**M604.3331T191**  
**FDR = 0.044, FC = 0.63**



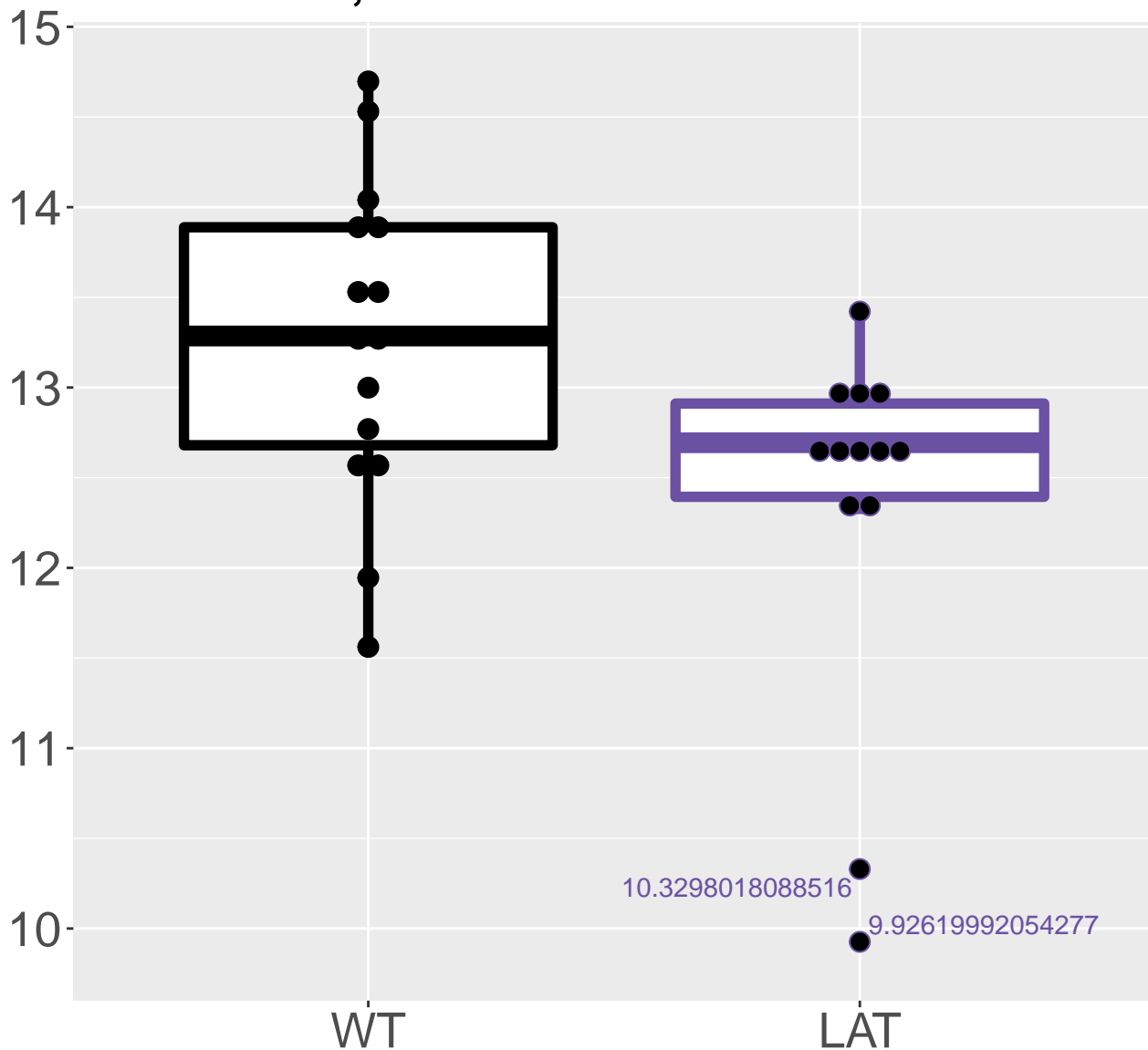
**M814.3018T103.2**

**FDR = 0.044, FC = -3**



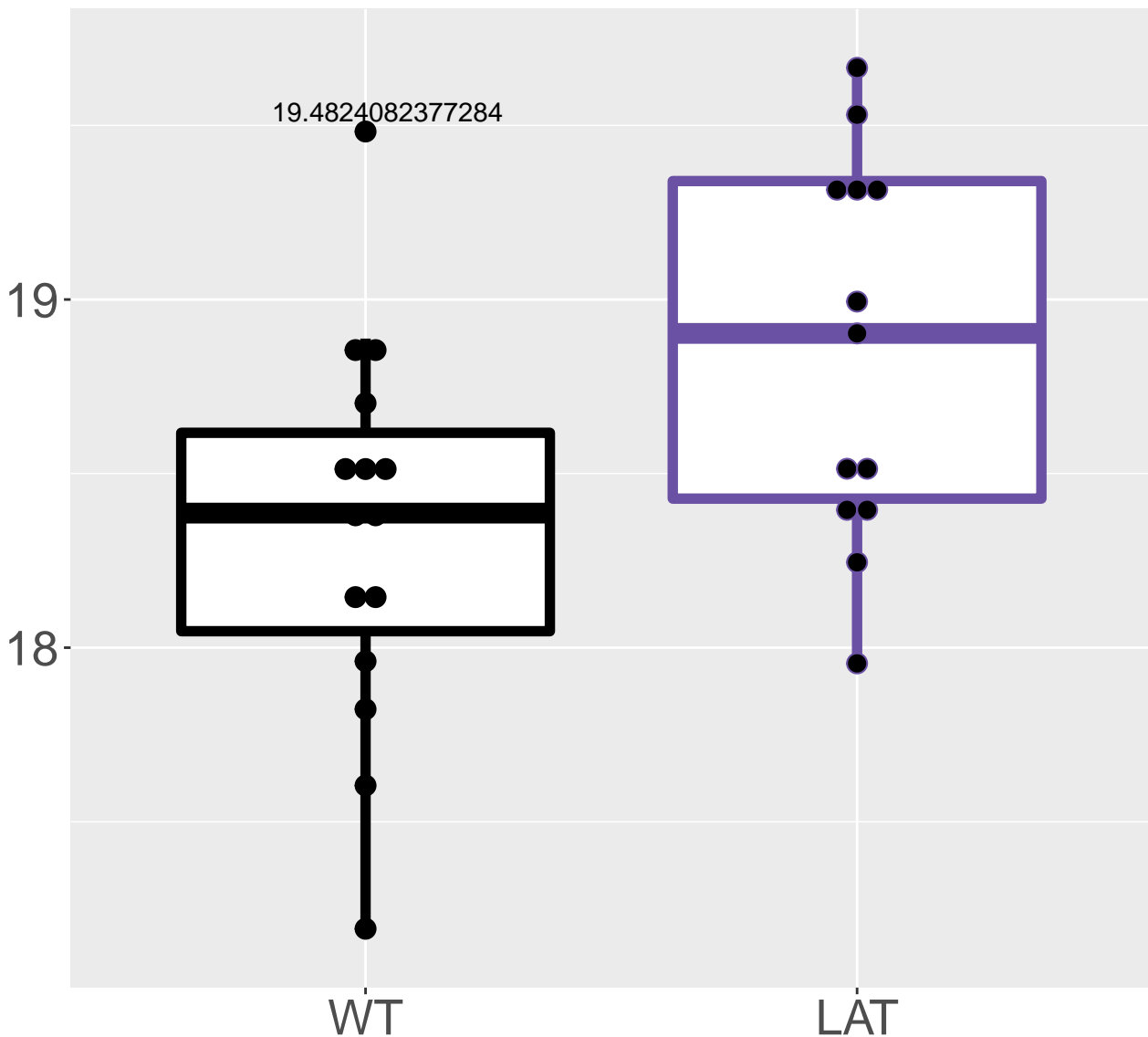
**M445.4454T331.52**

**FDR = 0.044, FC = -0.92**



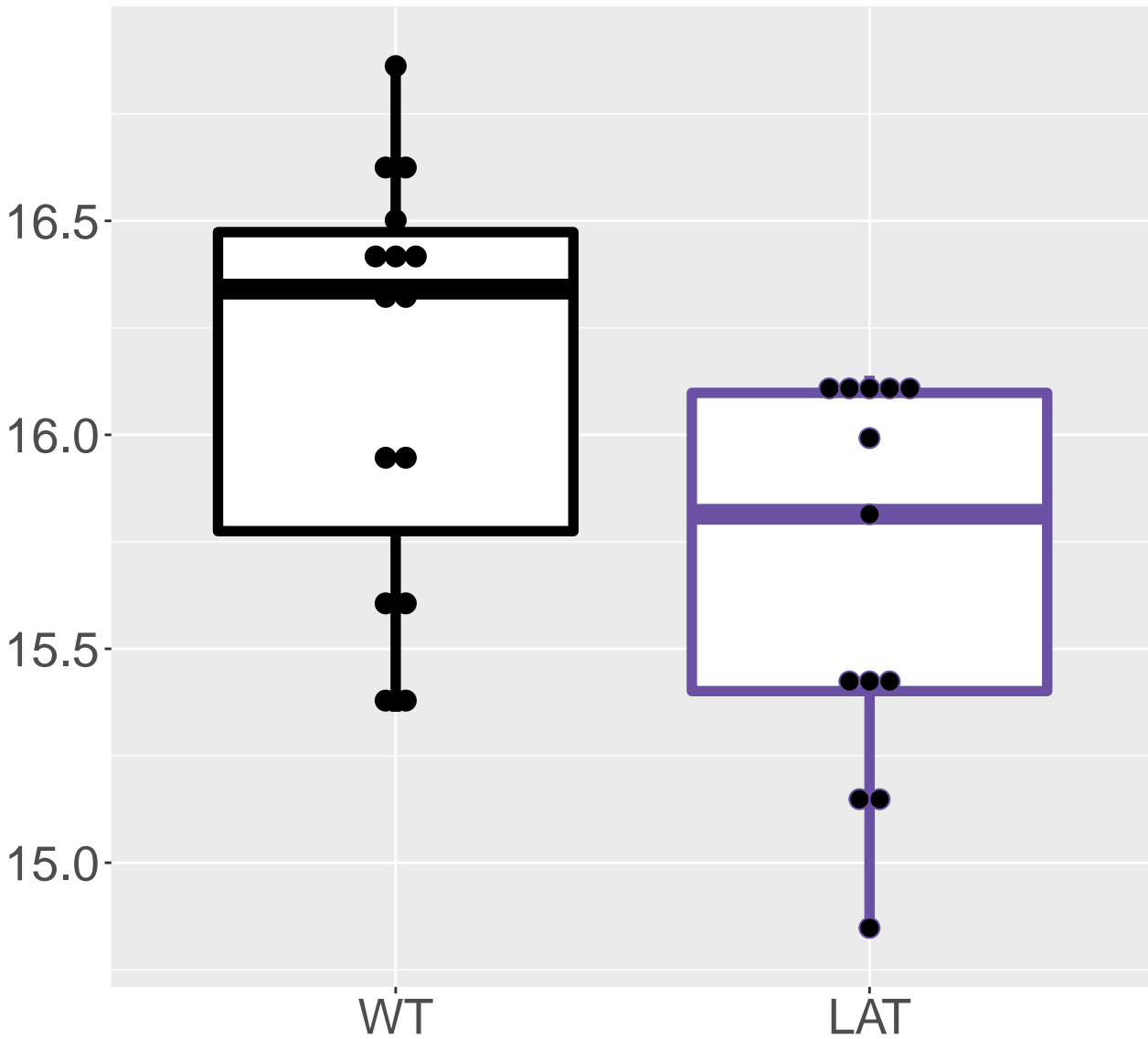
**M200.0693T45.88**

**FDR = 0.044, FC = 0.51**

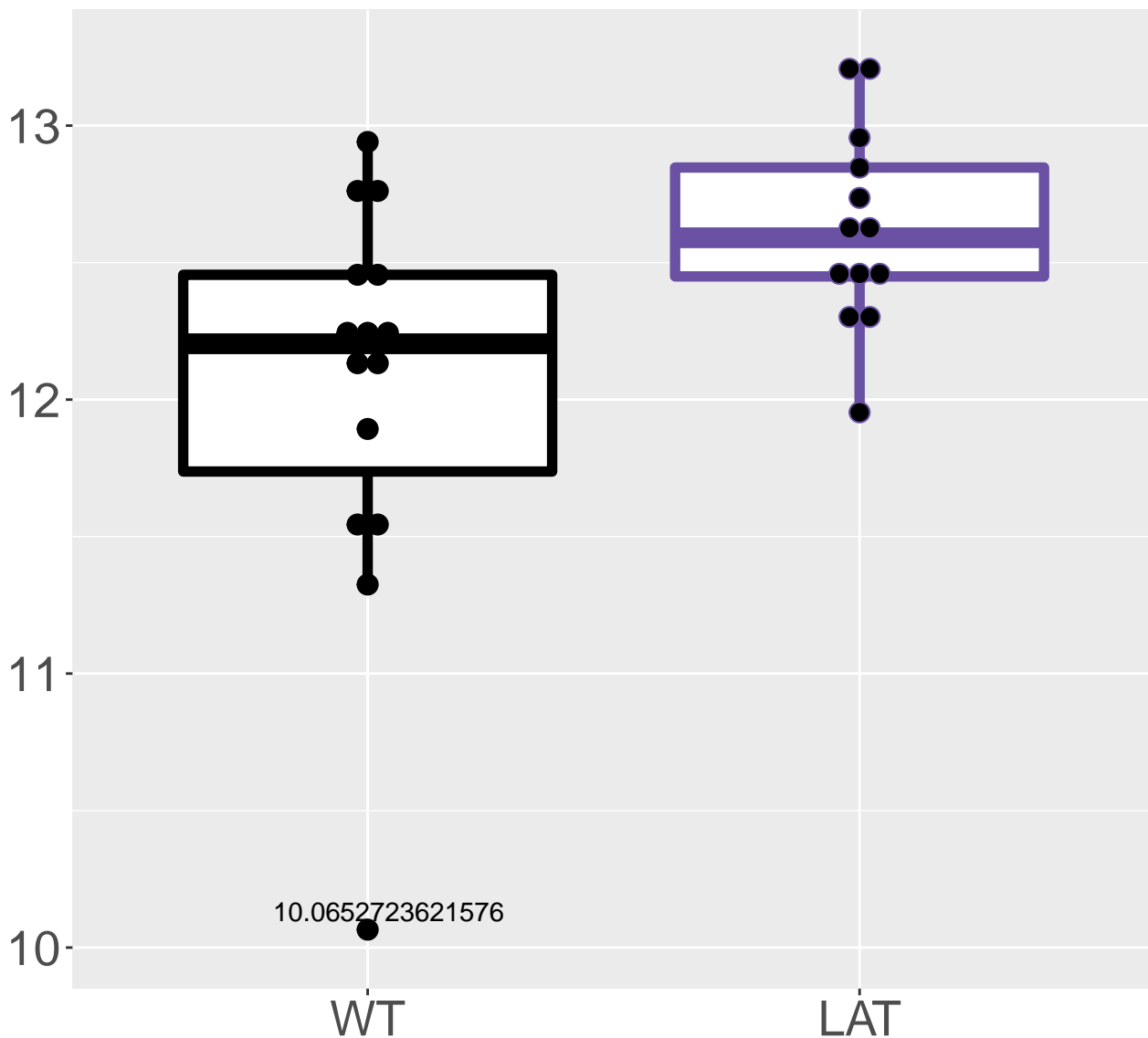


**M162.9722T113.12\_23**

**FDR = 0.044, FC = -0.48**

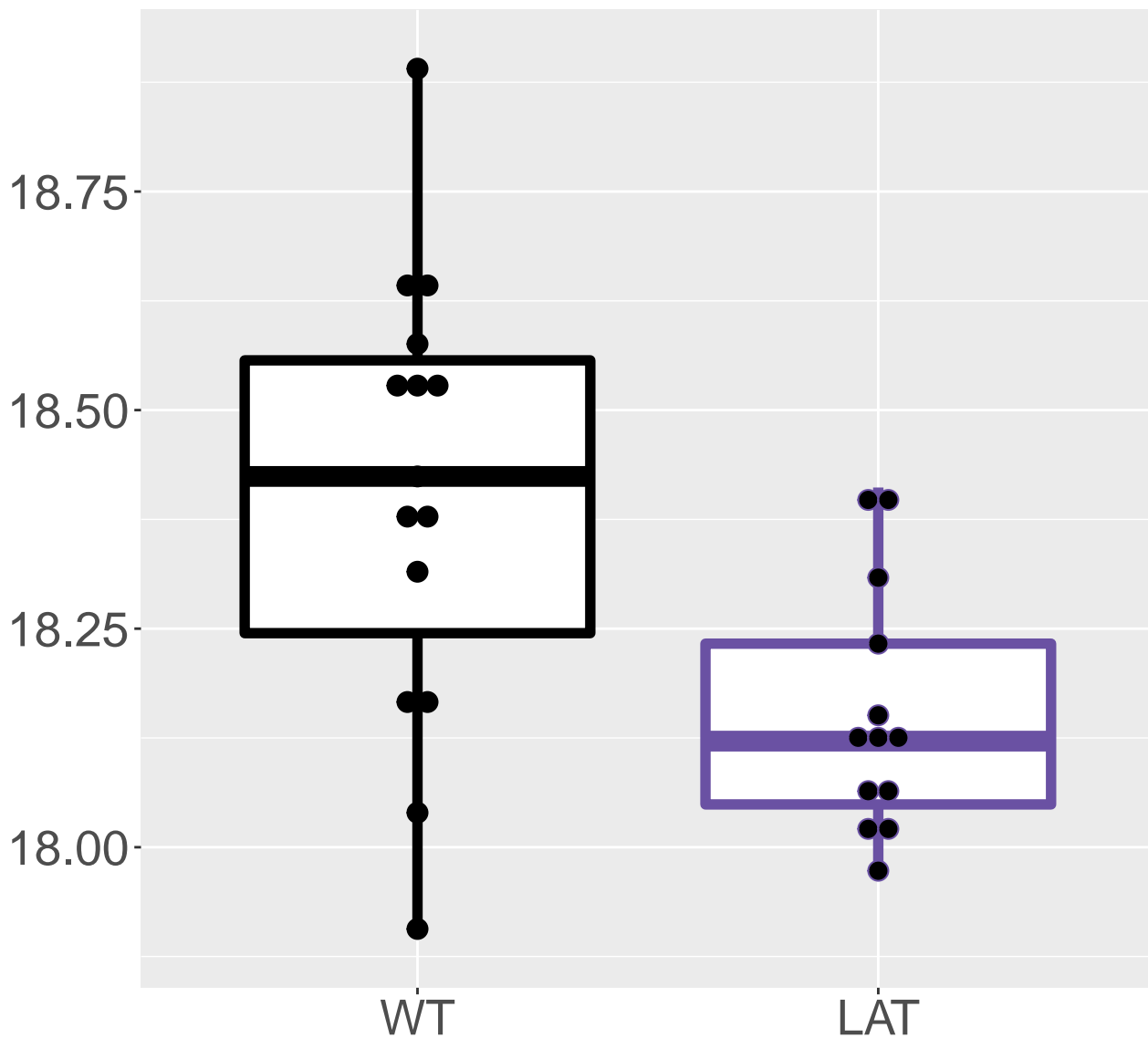


**M726.0286T132.67\_1**  
**FDR = 0.044, FC = 0.57**



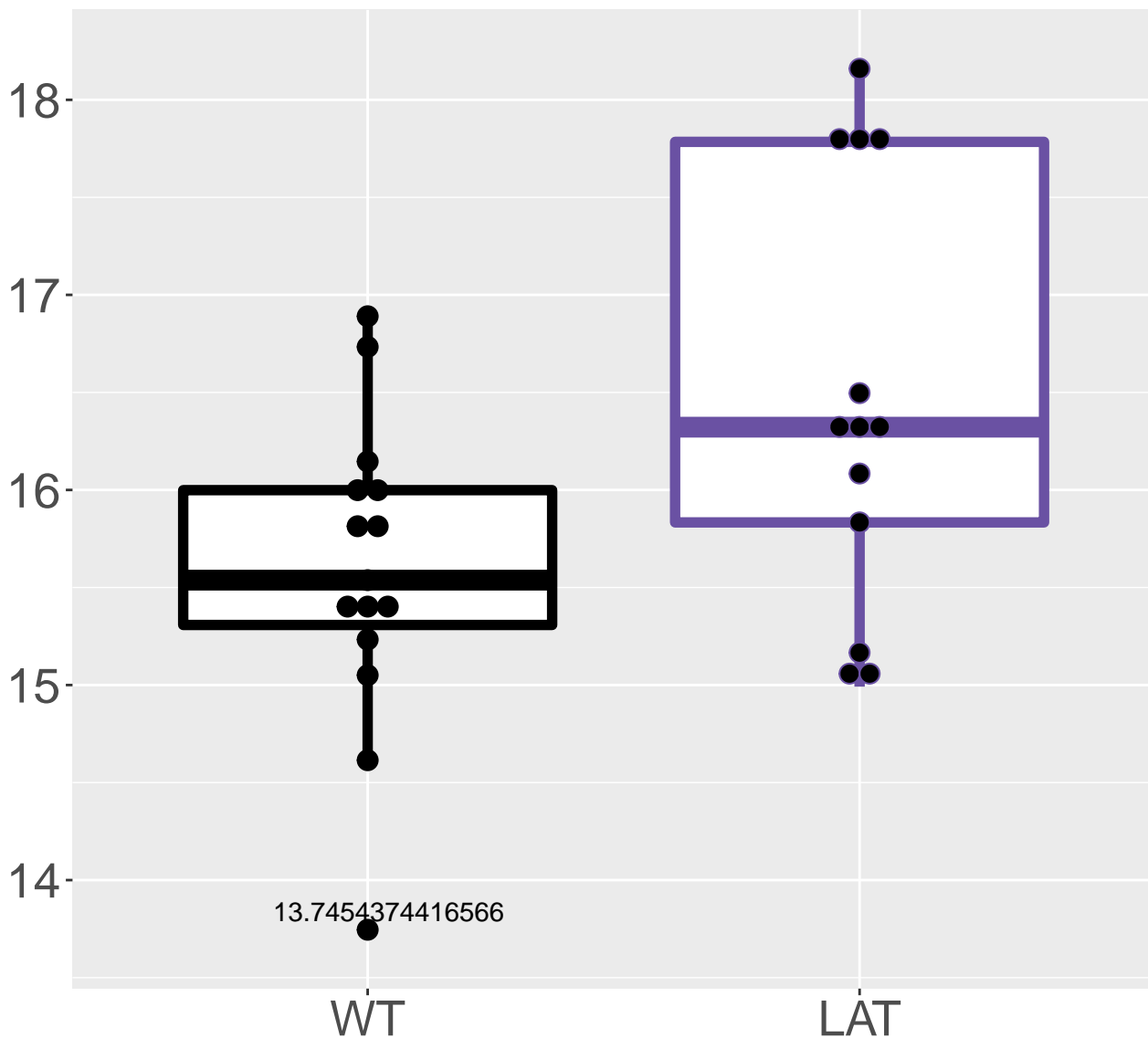


**M650.7471T371.39\_2**  
**FDR = 0.044, FC = -0.25**



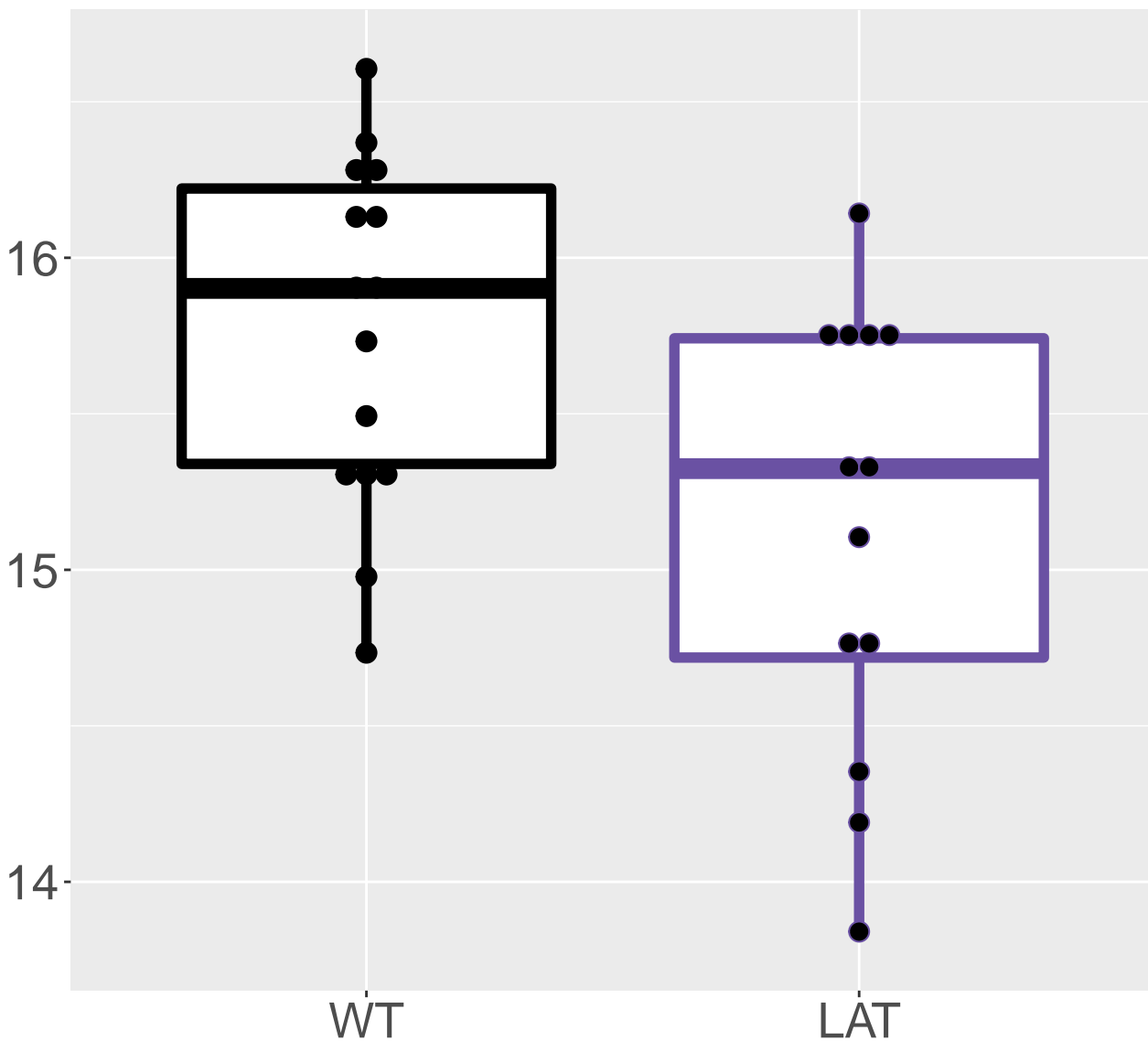
**M194.0492T124.19**

**FDR = 0.044, FC = 0.89**



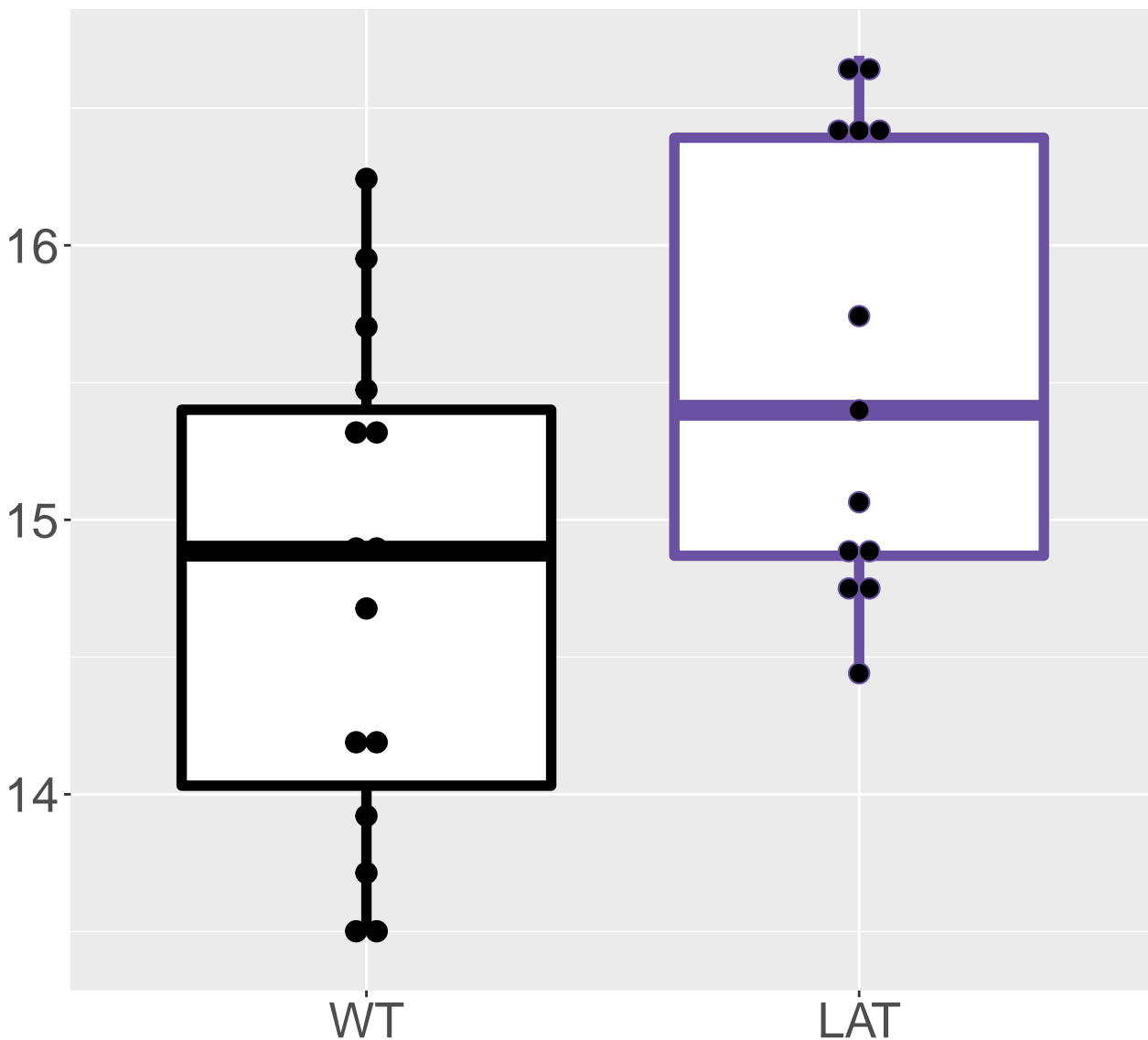
**M160.8621T113.22\_18**

**FDR = 0.045, FC = -0.63**

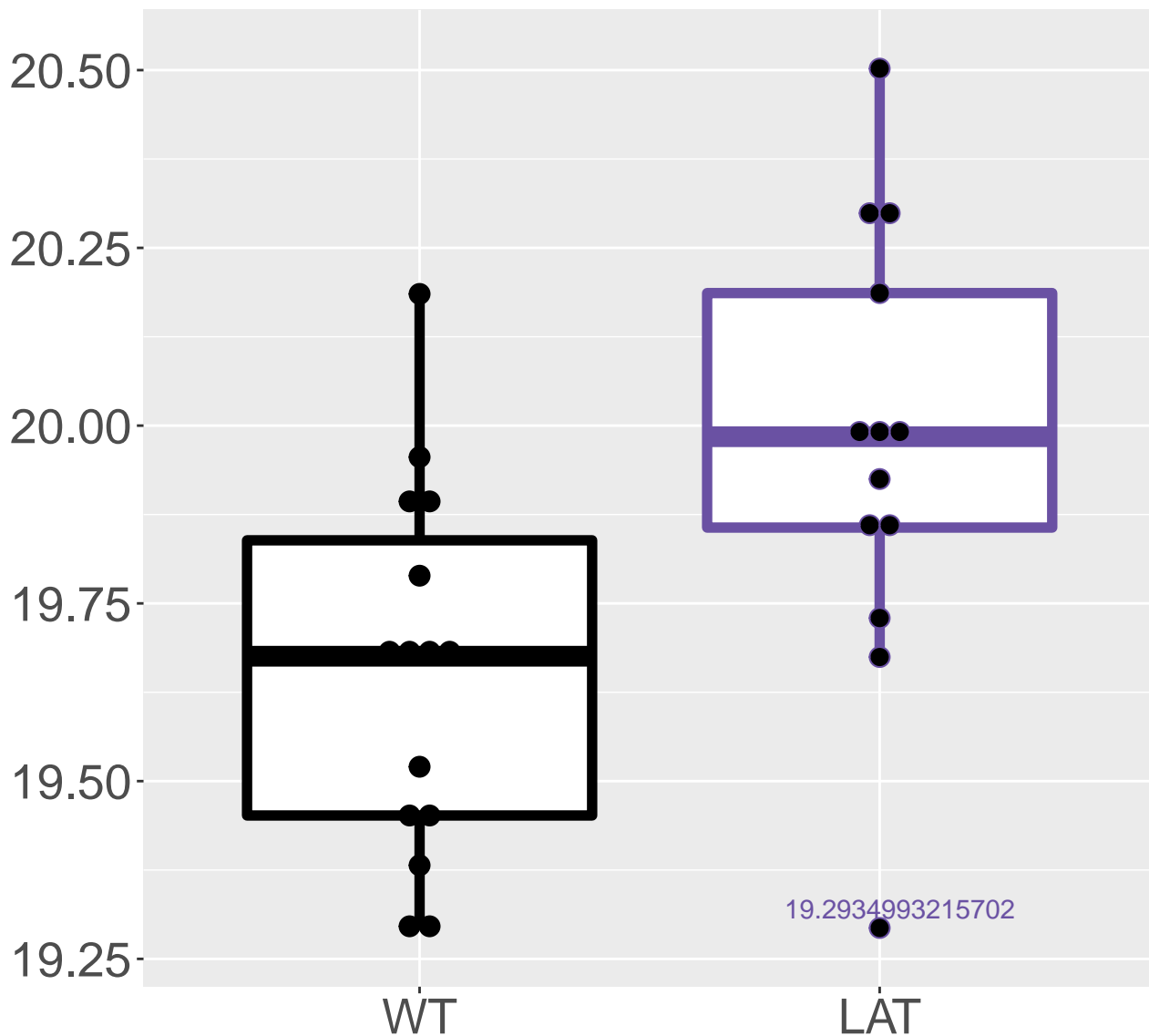


**M699.1994T99.49**

**FDR = 0.045, FC = 0.81**

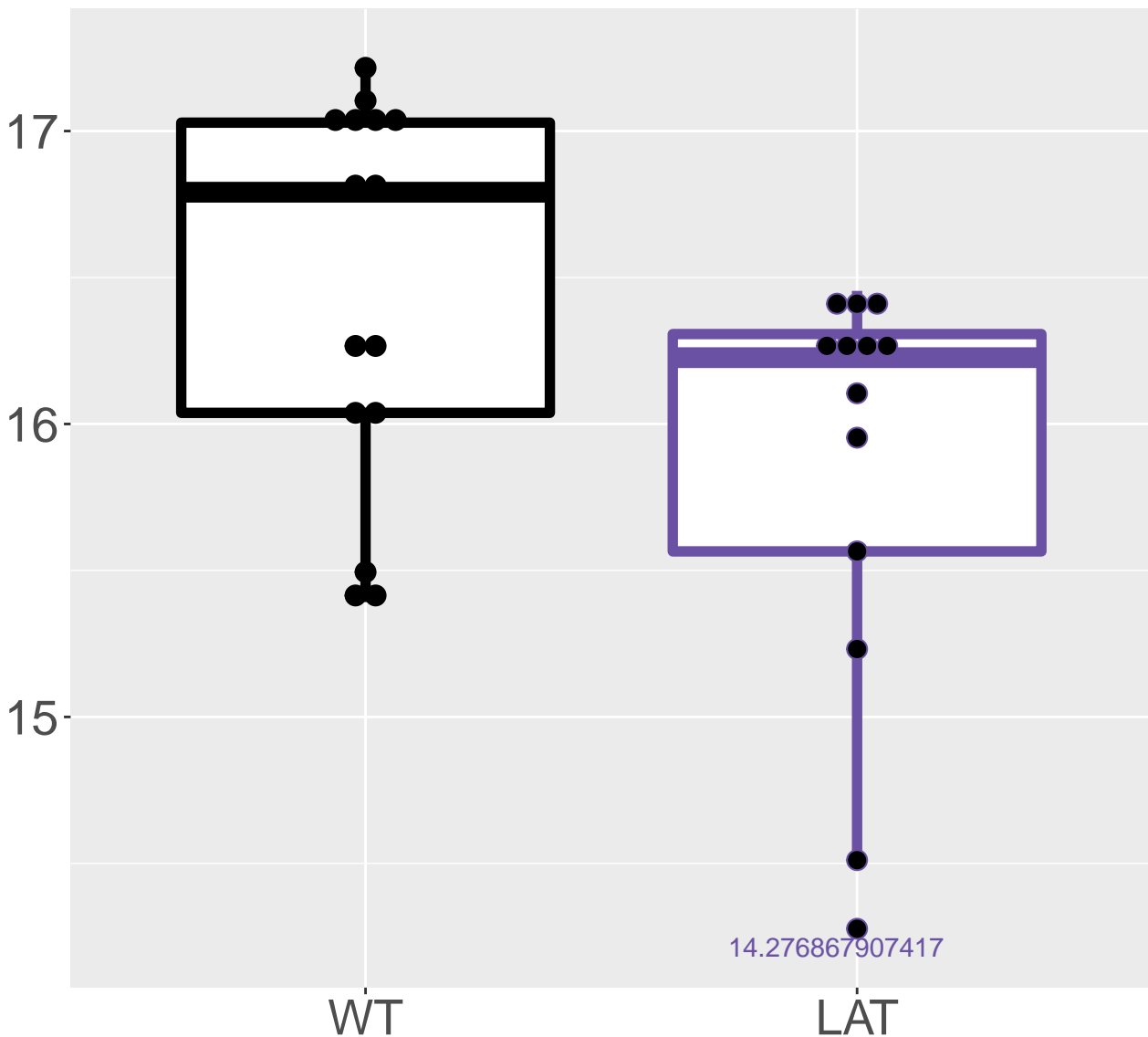


**M249.1568T48.34\_2**  
**FDR = 0.045, FC = 0.31**

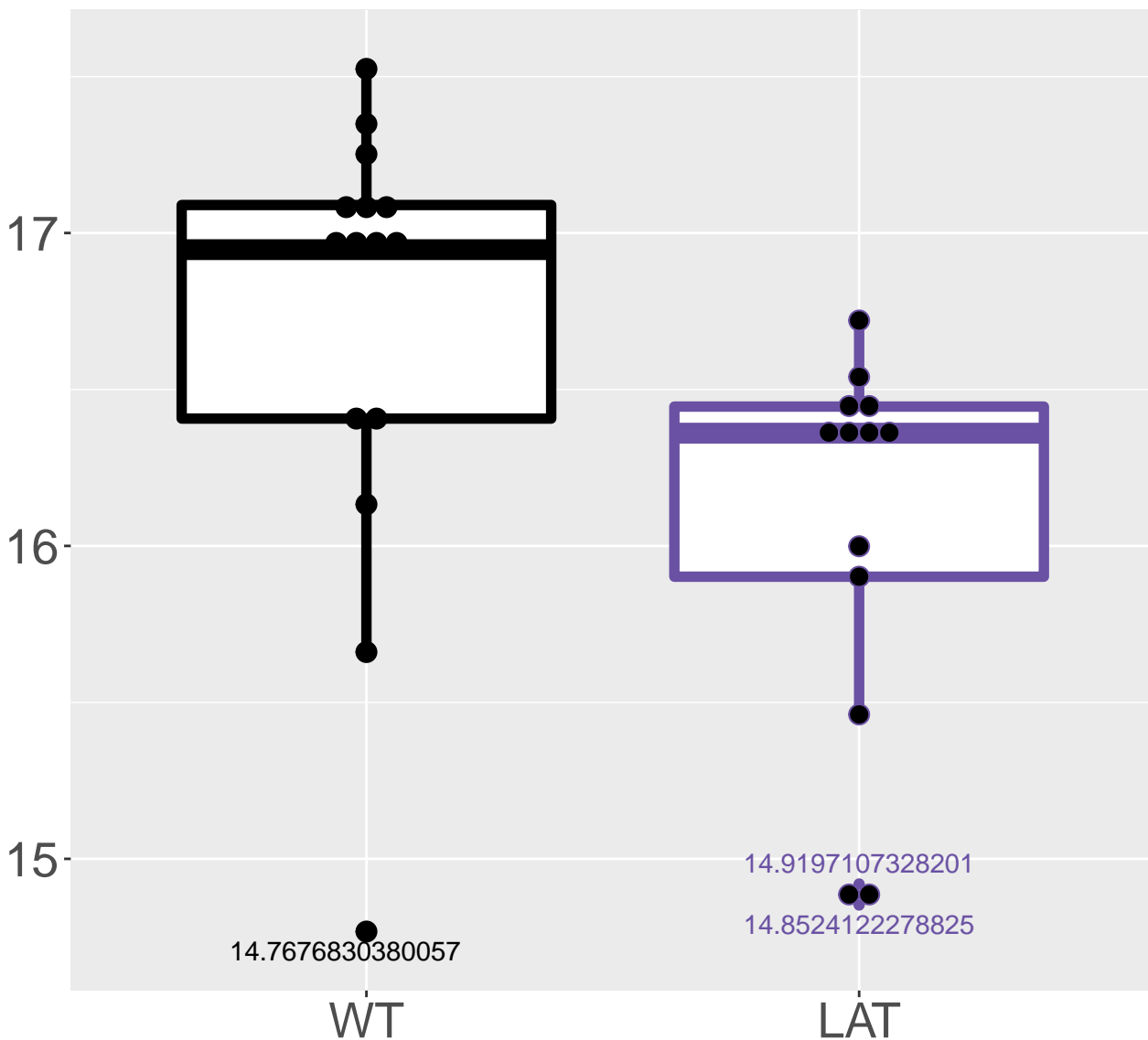


**M128.2825T75.44\_43**

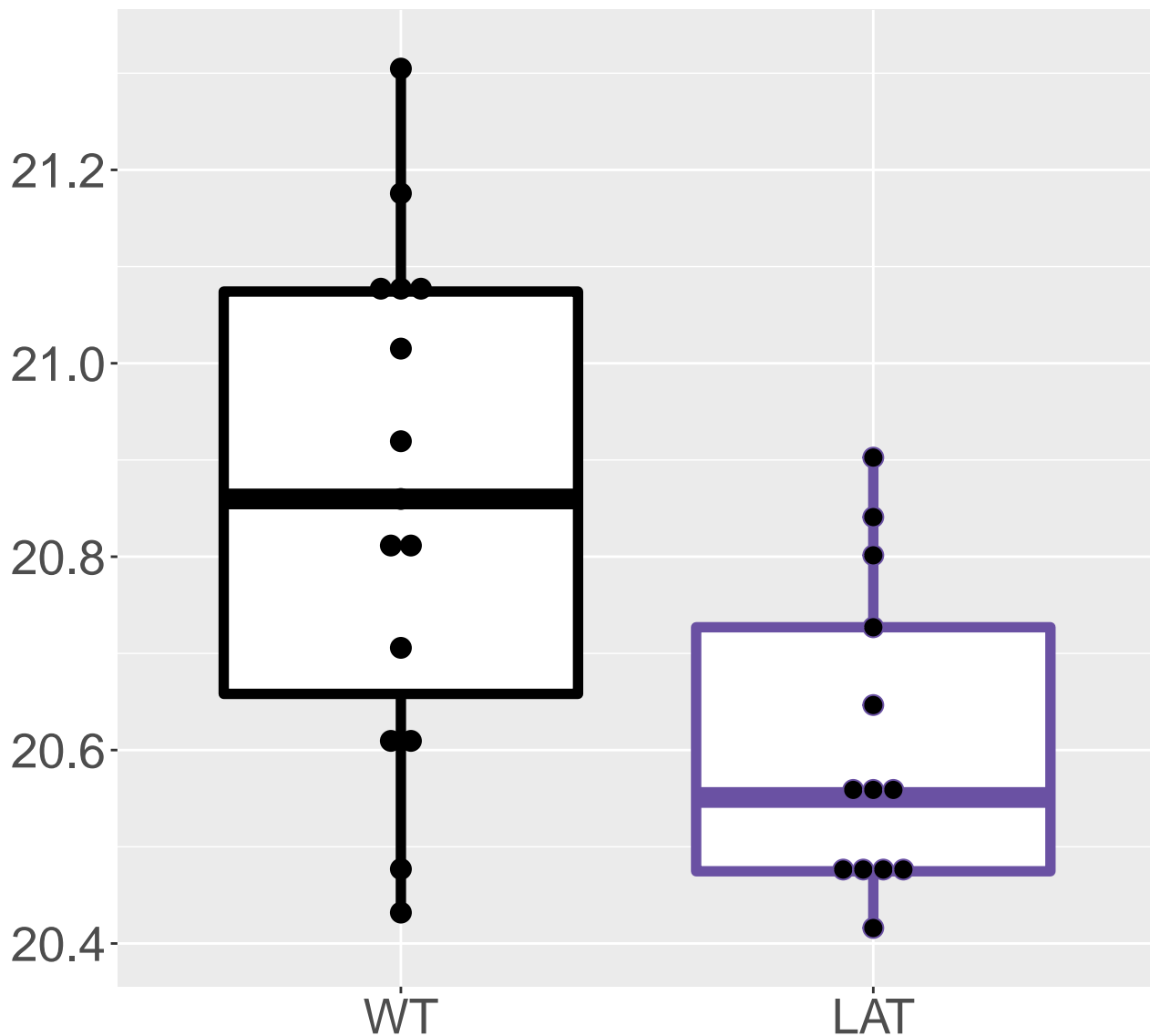
**FDR = 0.045, FC = -0.63**



**FDR = 0.045, FC = -0.65**

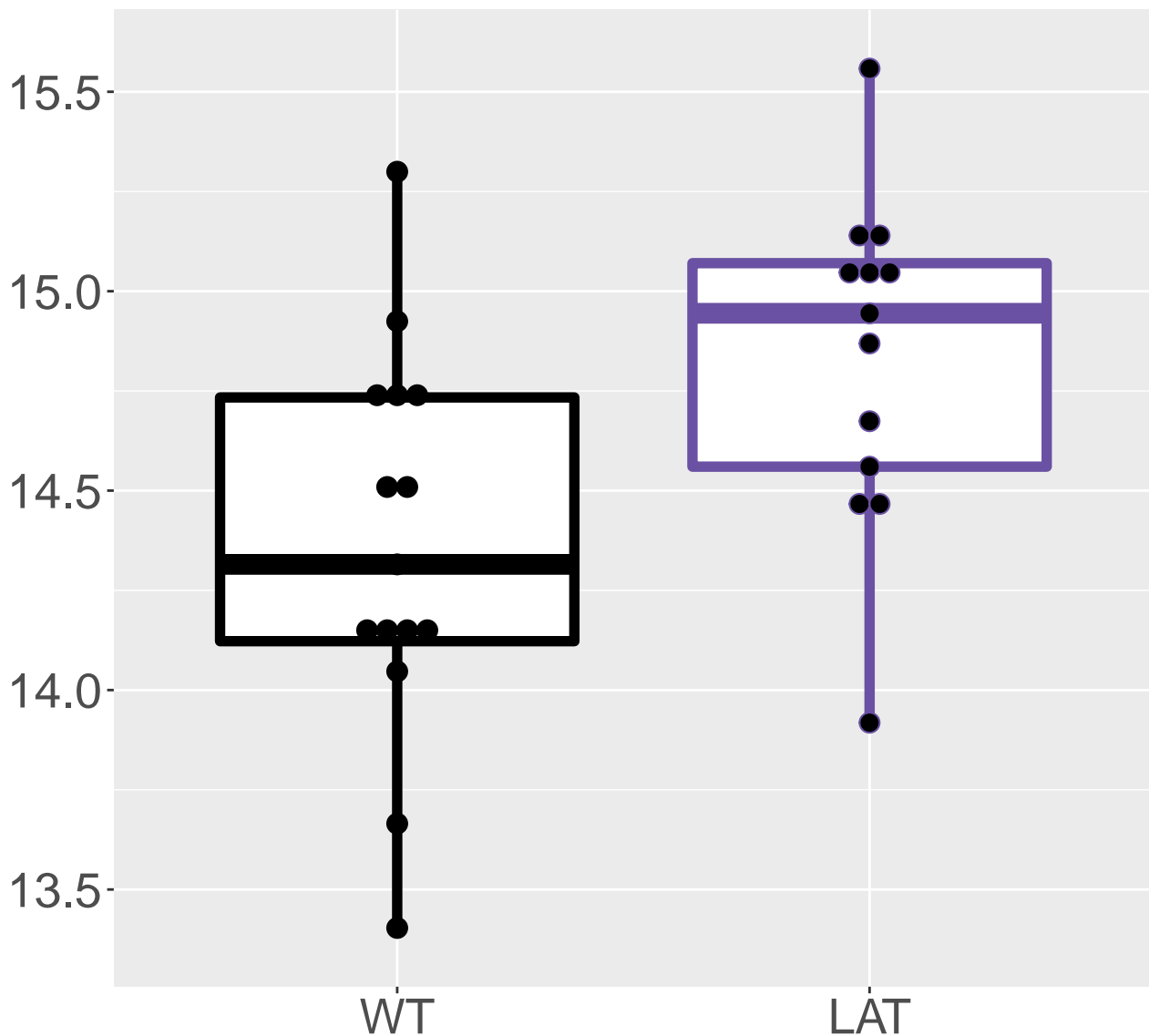


**M650.978T371.38\_5**  
**FDR = 0.045, FC = -0.26**

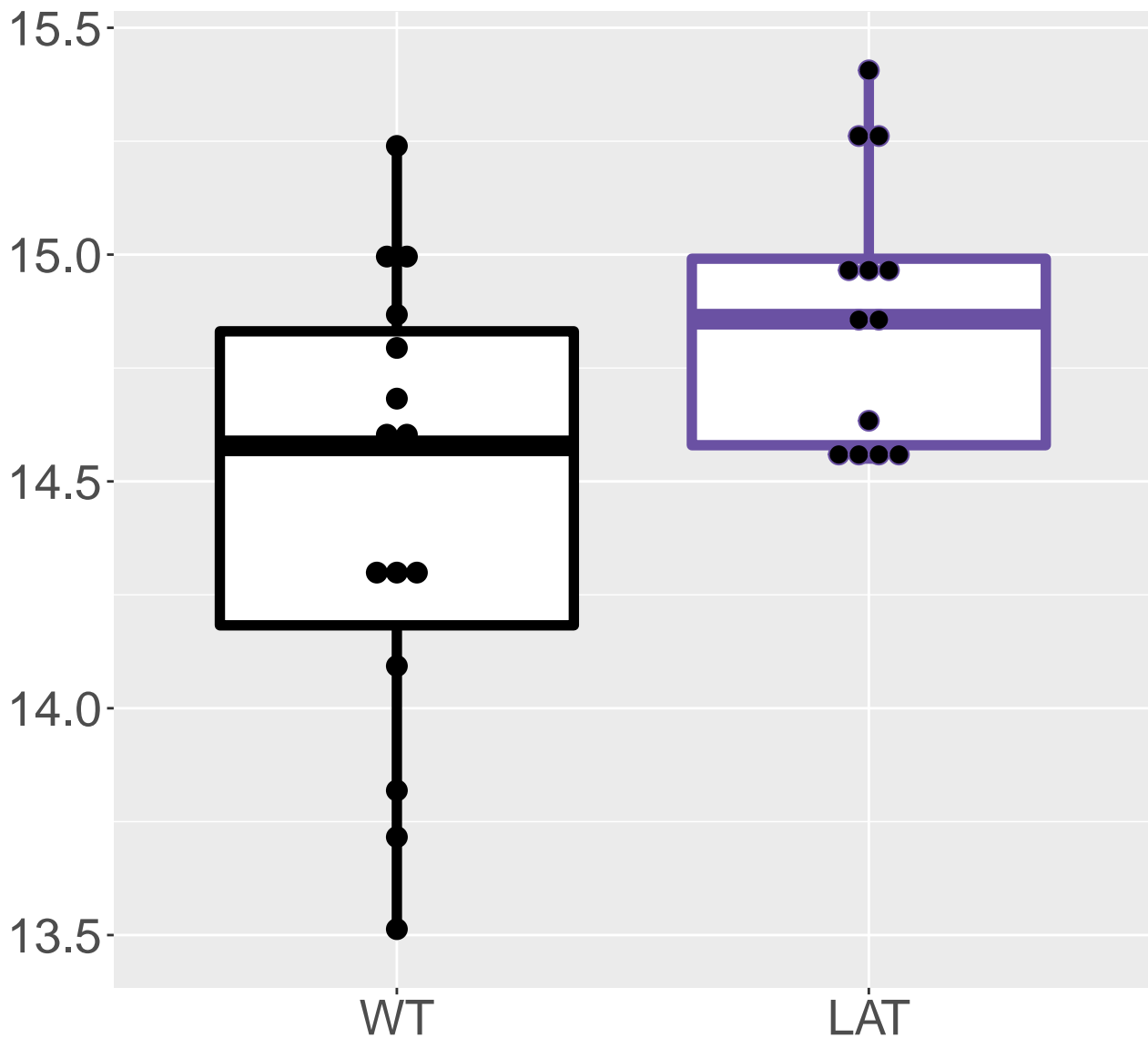




**M389.2299T176.59**  
**FDR = 0.045, FC = 0.47**

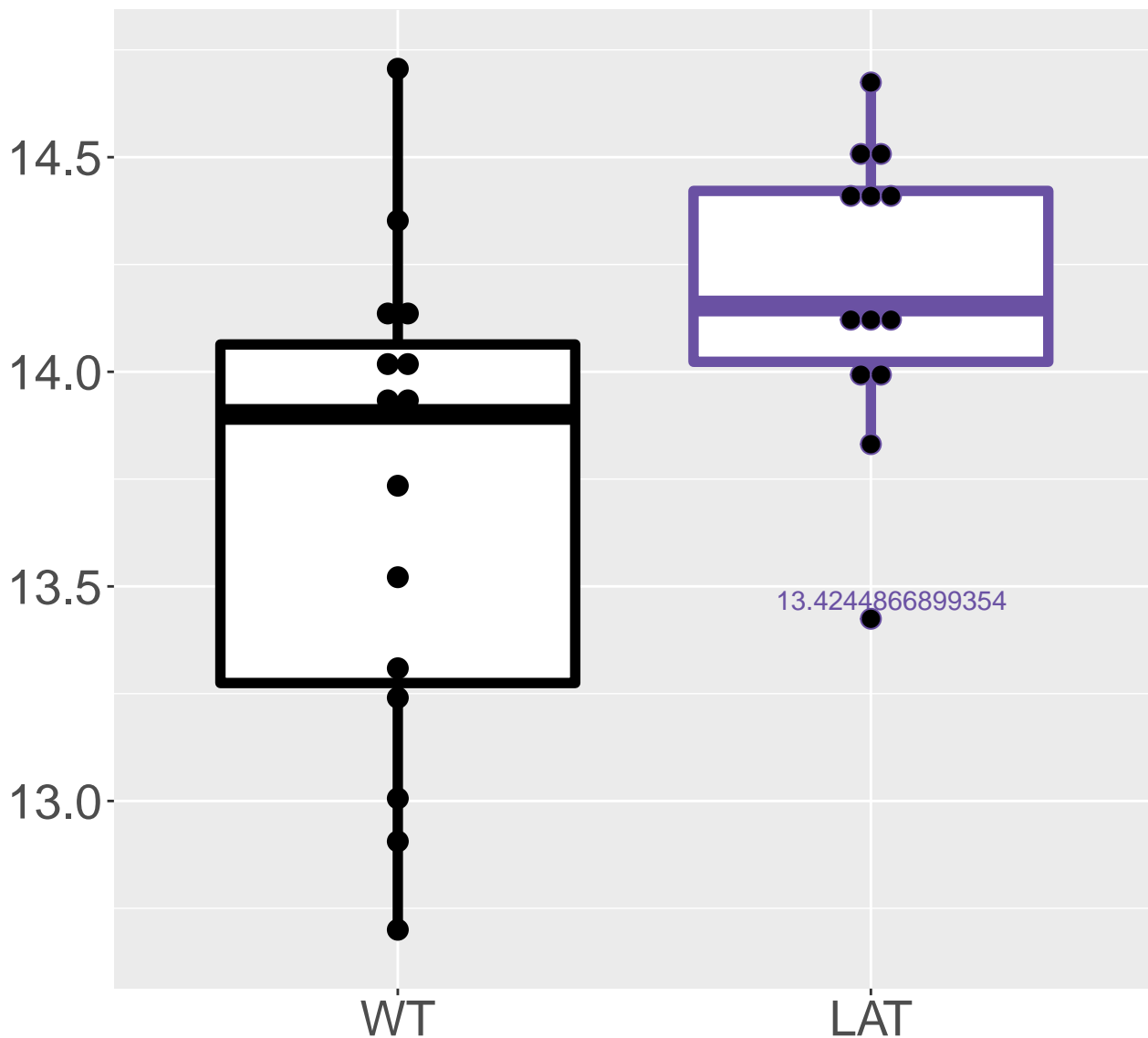


**M544.7737T133.14\_1**  
**FDR = 0.045, FC = 0.42**

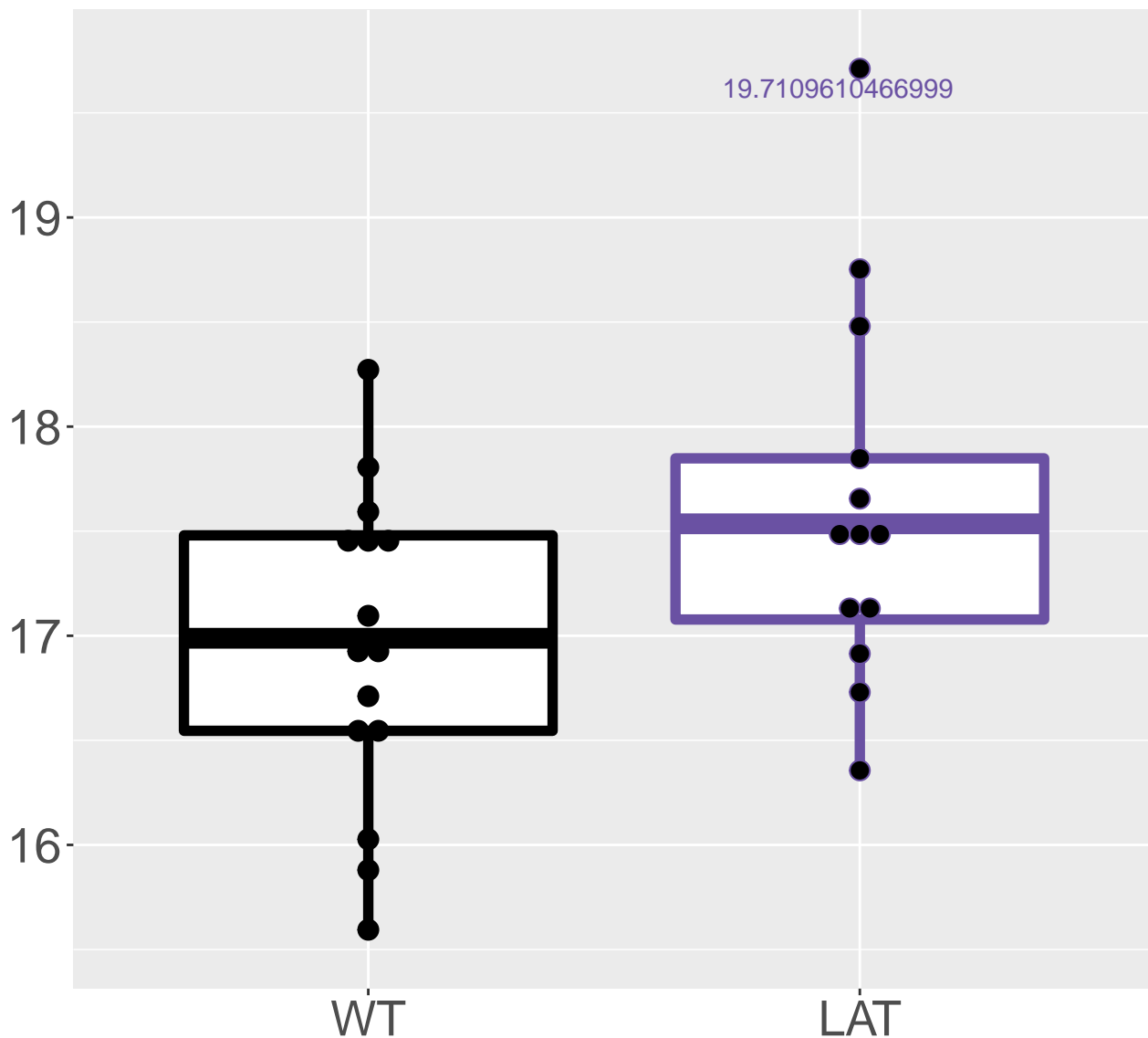


**M394.1743T145.62**

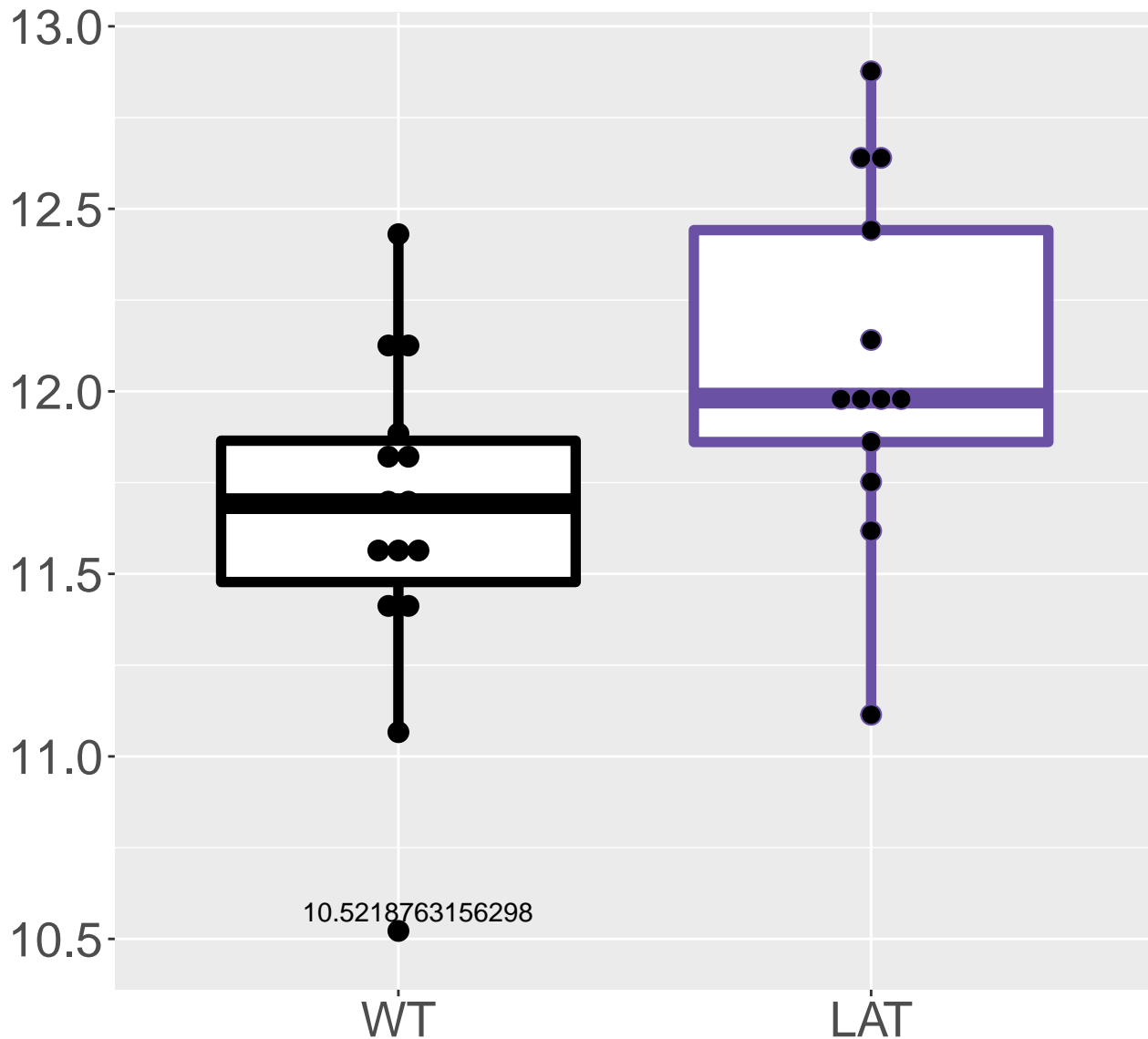
**FDR = 0.045, FC = 0.48**



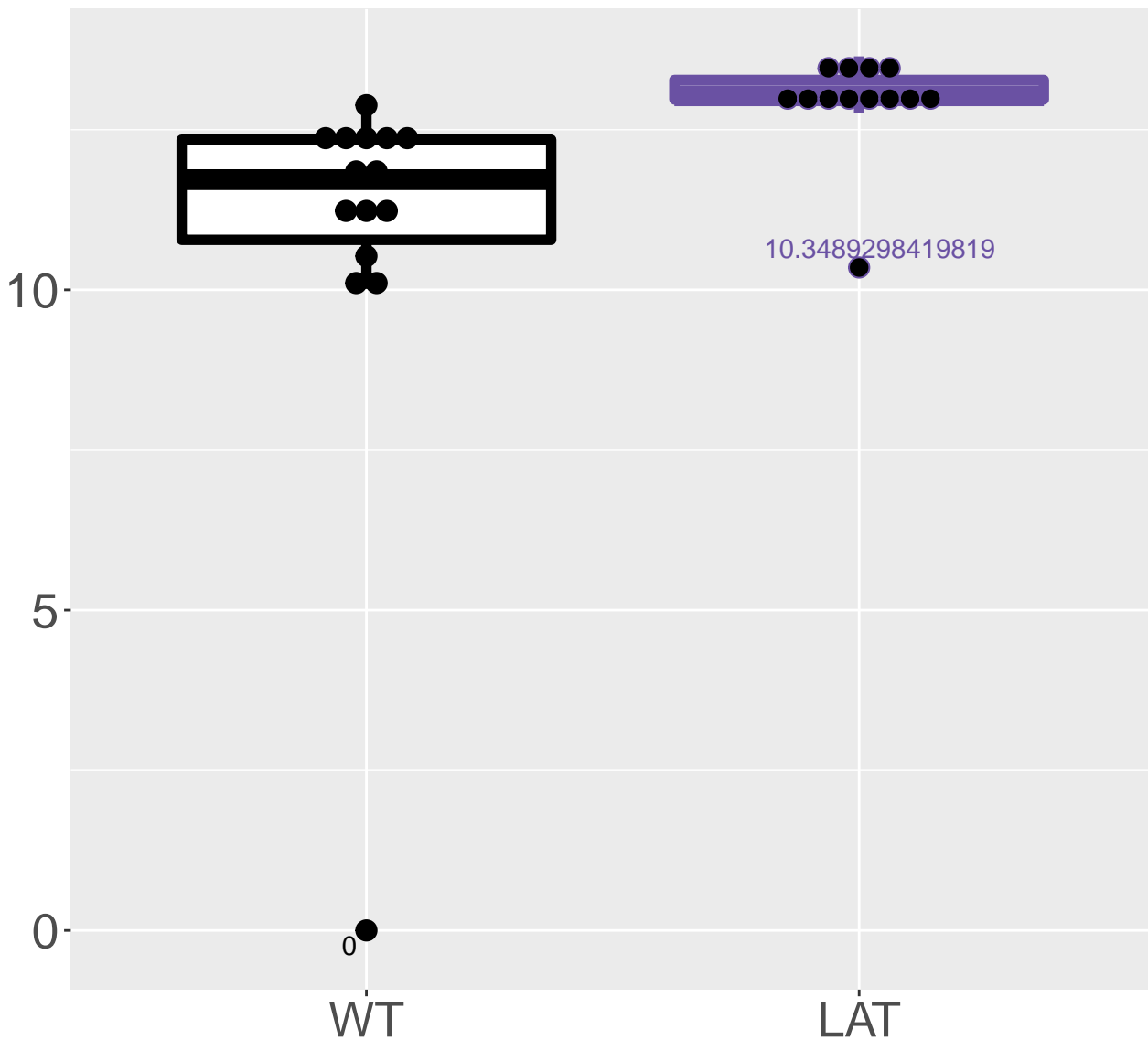
**M500.2846T487.48**  
**FDR = 0.045, FC = 0.68**



**M409.2118T125.3\_3**  
**FDR = 0.045, FC = 0.43**

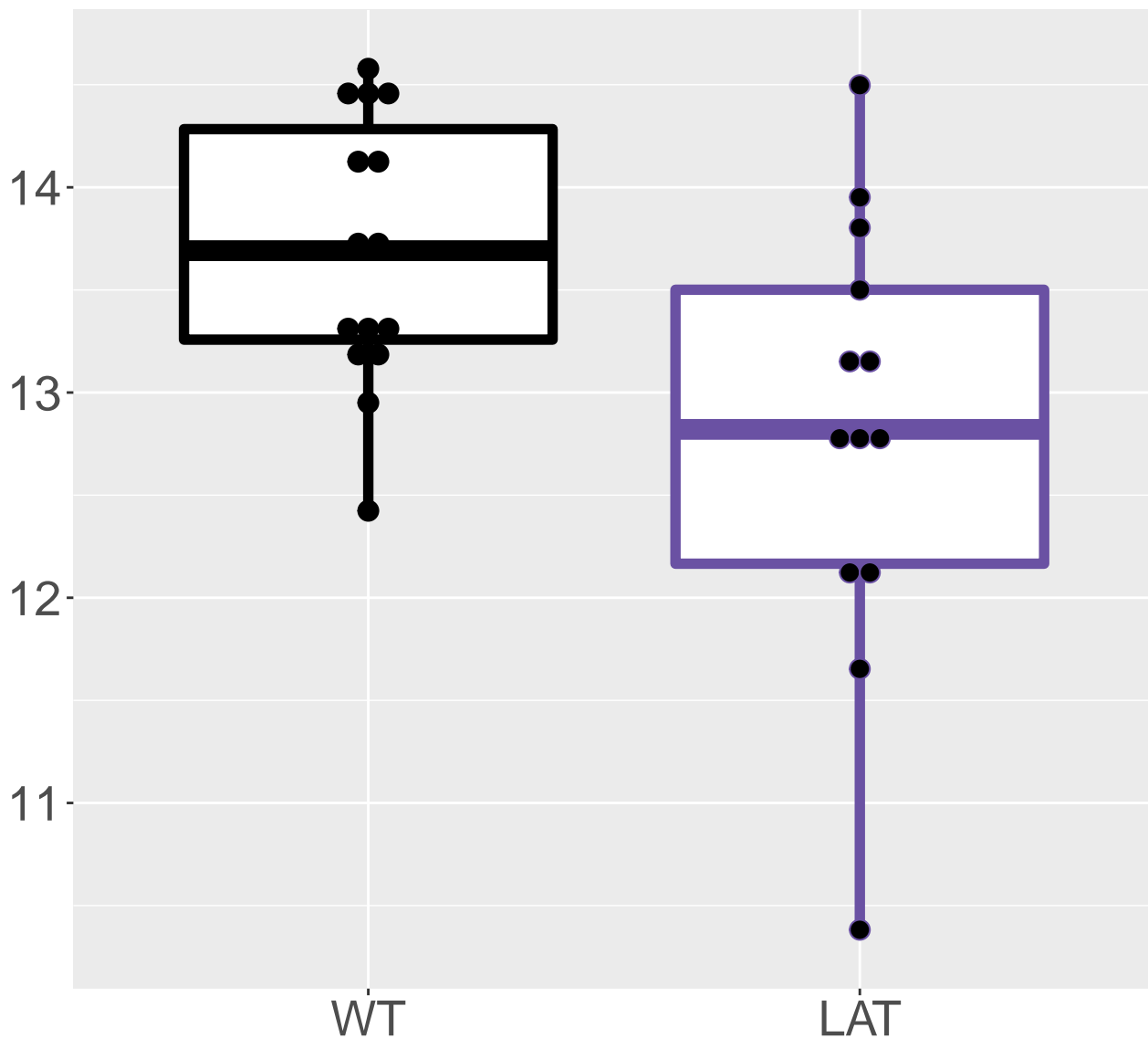


**FDR = 0.045, FC = 2.1**

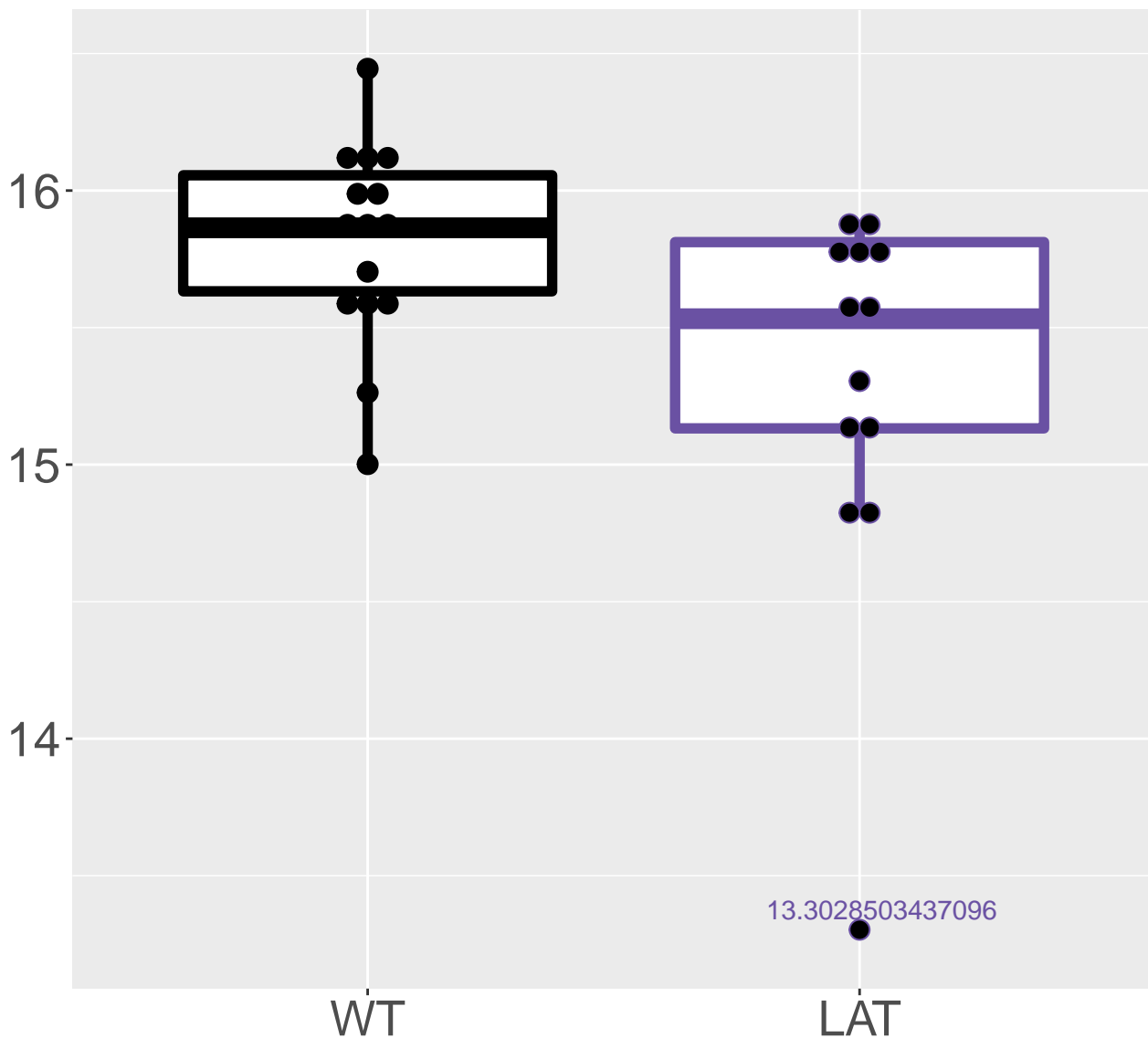


**M203.1398T228.83\_5**

**FDR = 0.046, FC = -0.86**



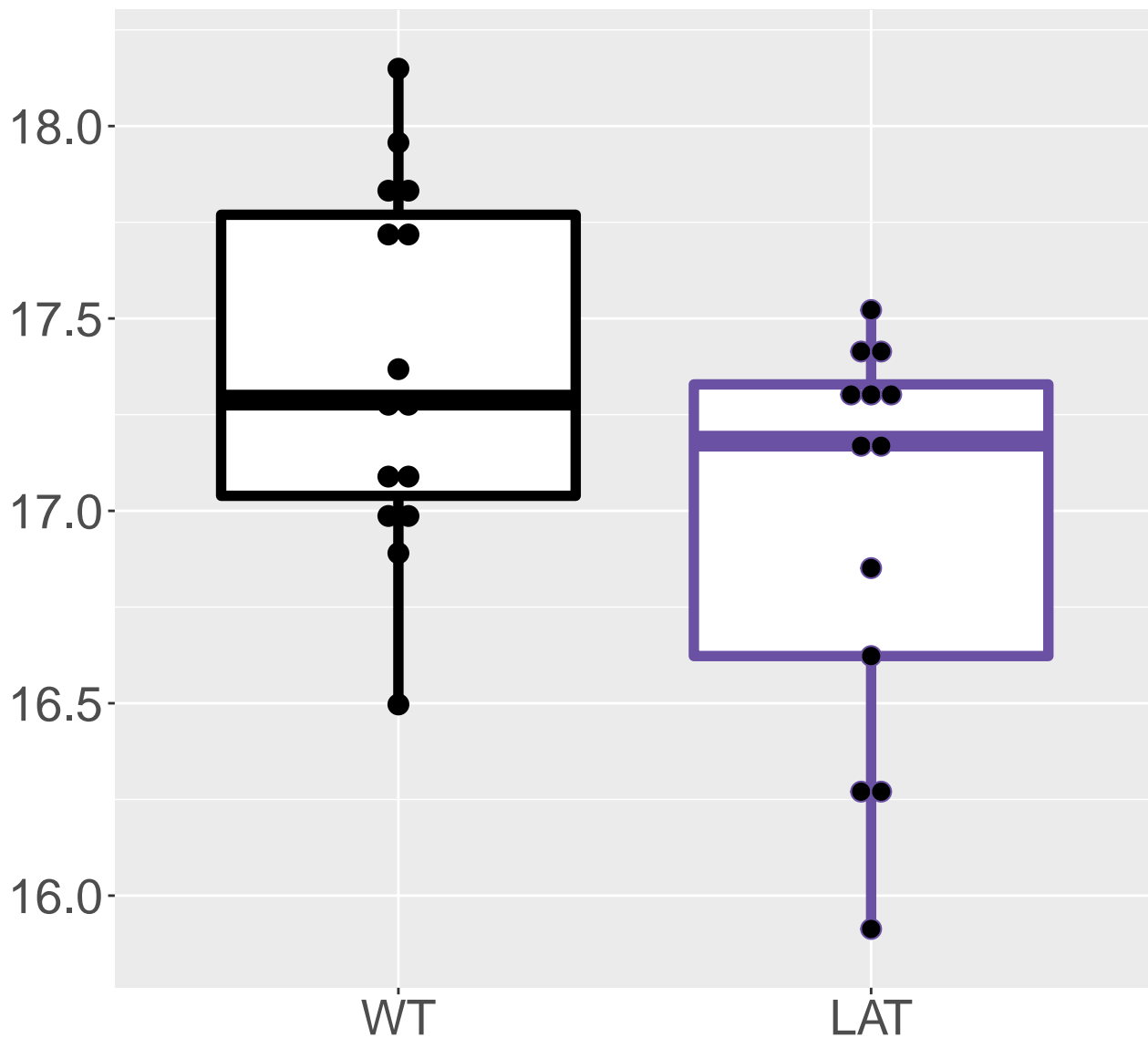
**M172.2179T113.19\_30**  
**FDR = 0.046, FC = -0.52**





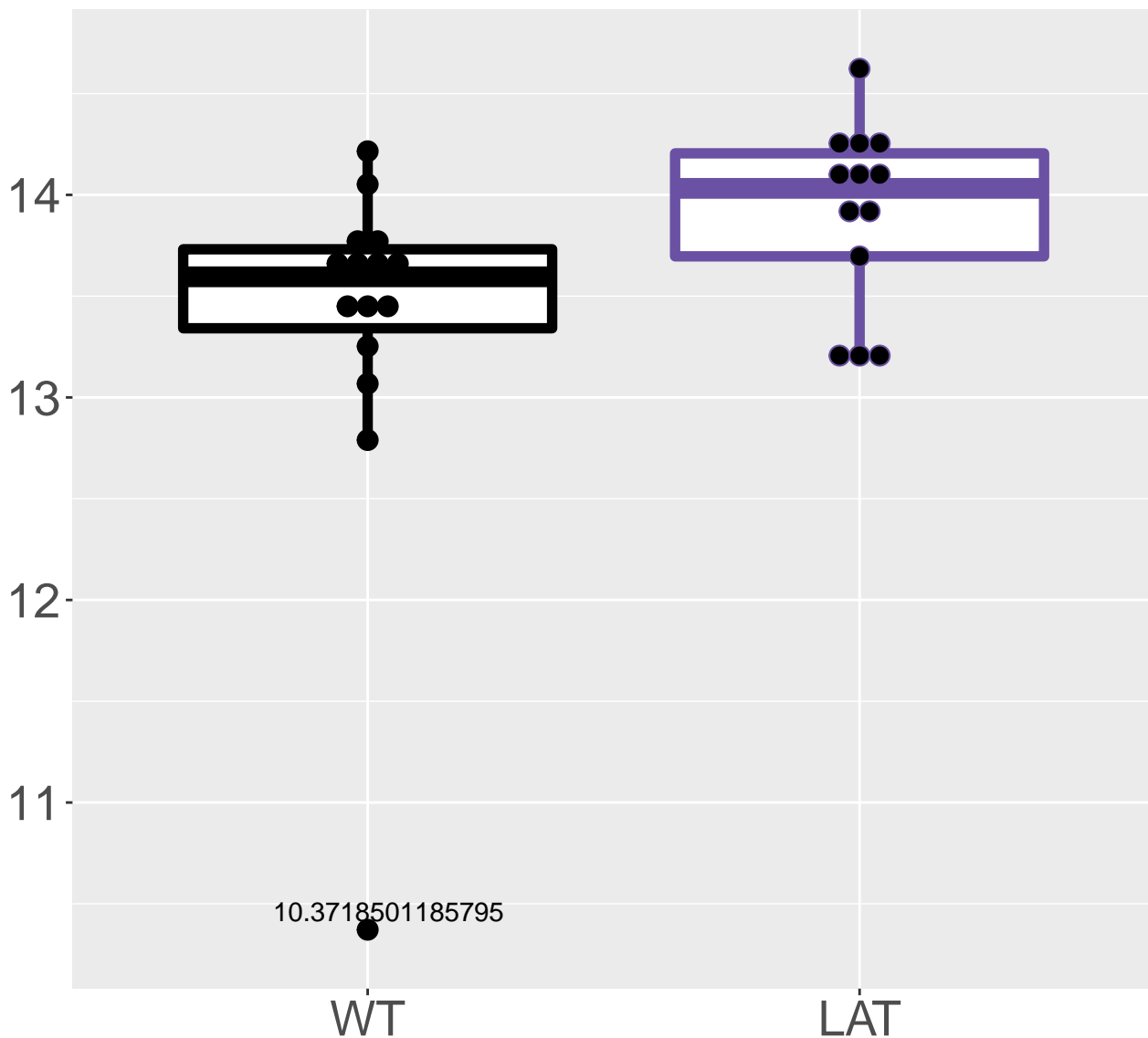
**M429.1526T89.58**

**FDR = 0.046, FC = -0.41**



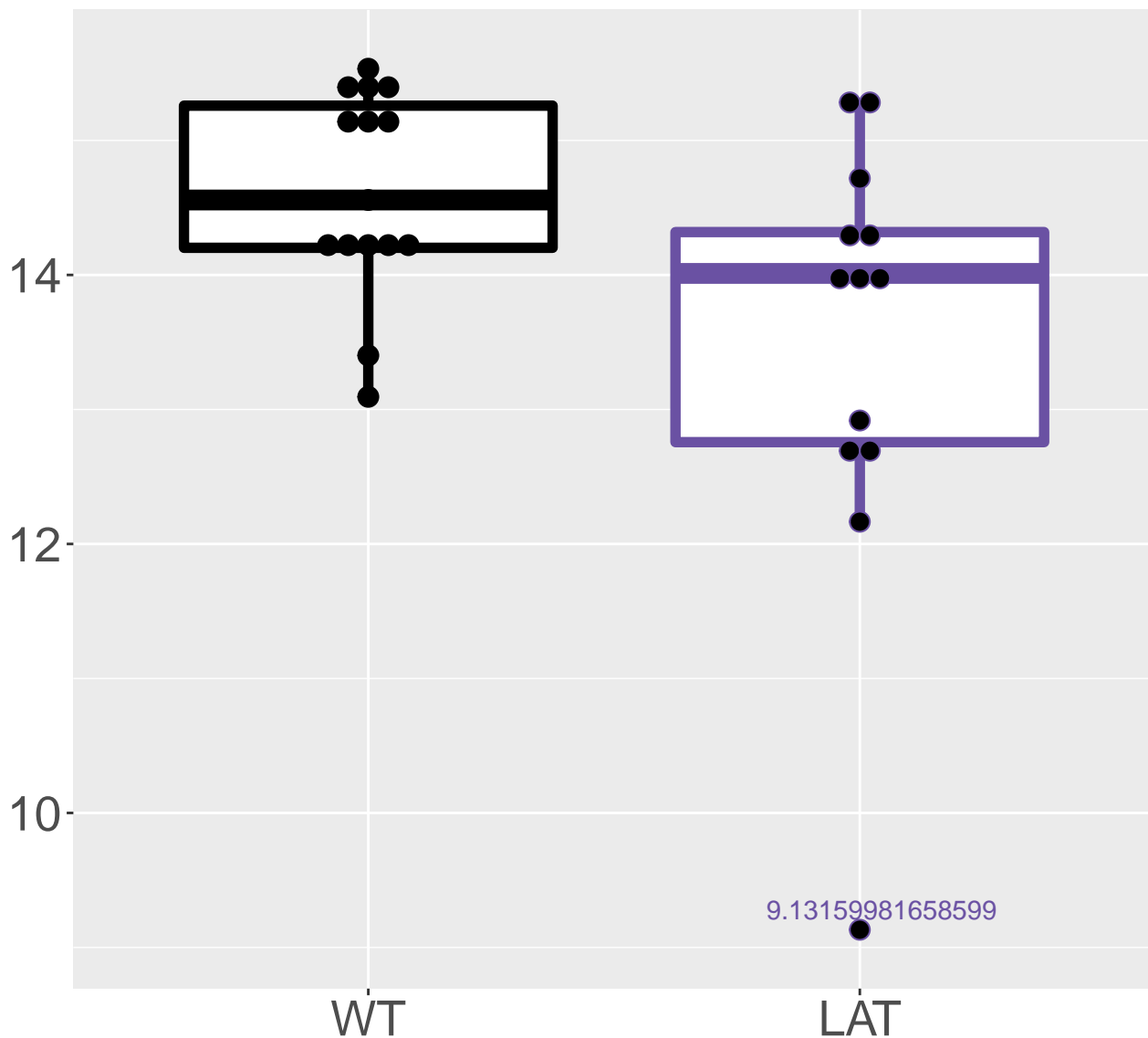
**M687.3693T334.04\_4**

**FDR = 0.046, FC = 0.56, sex\***

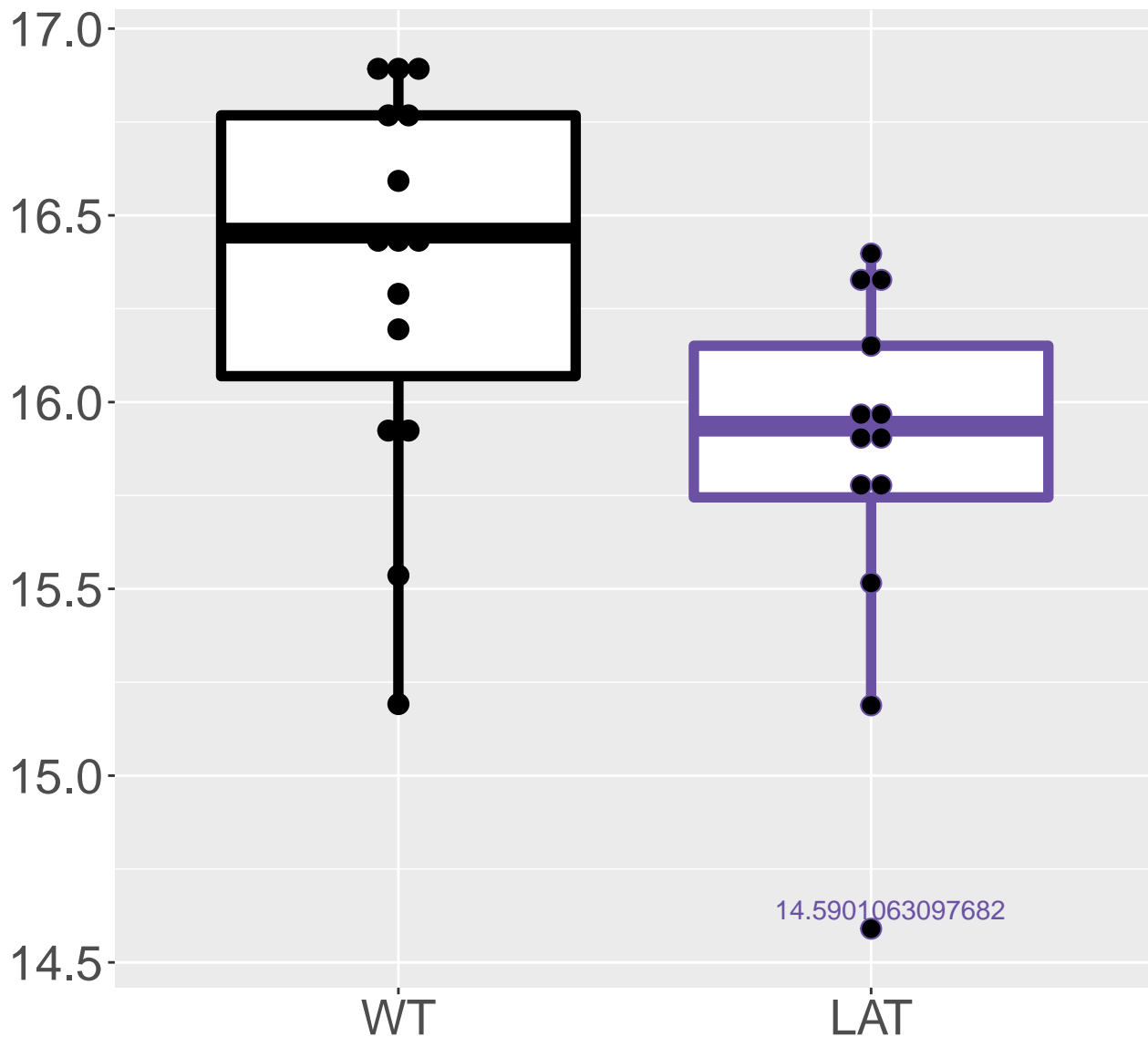


**M279.1562T44.28\_3**

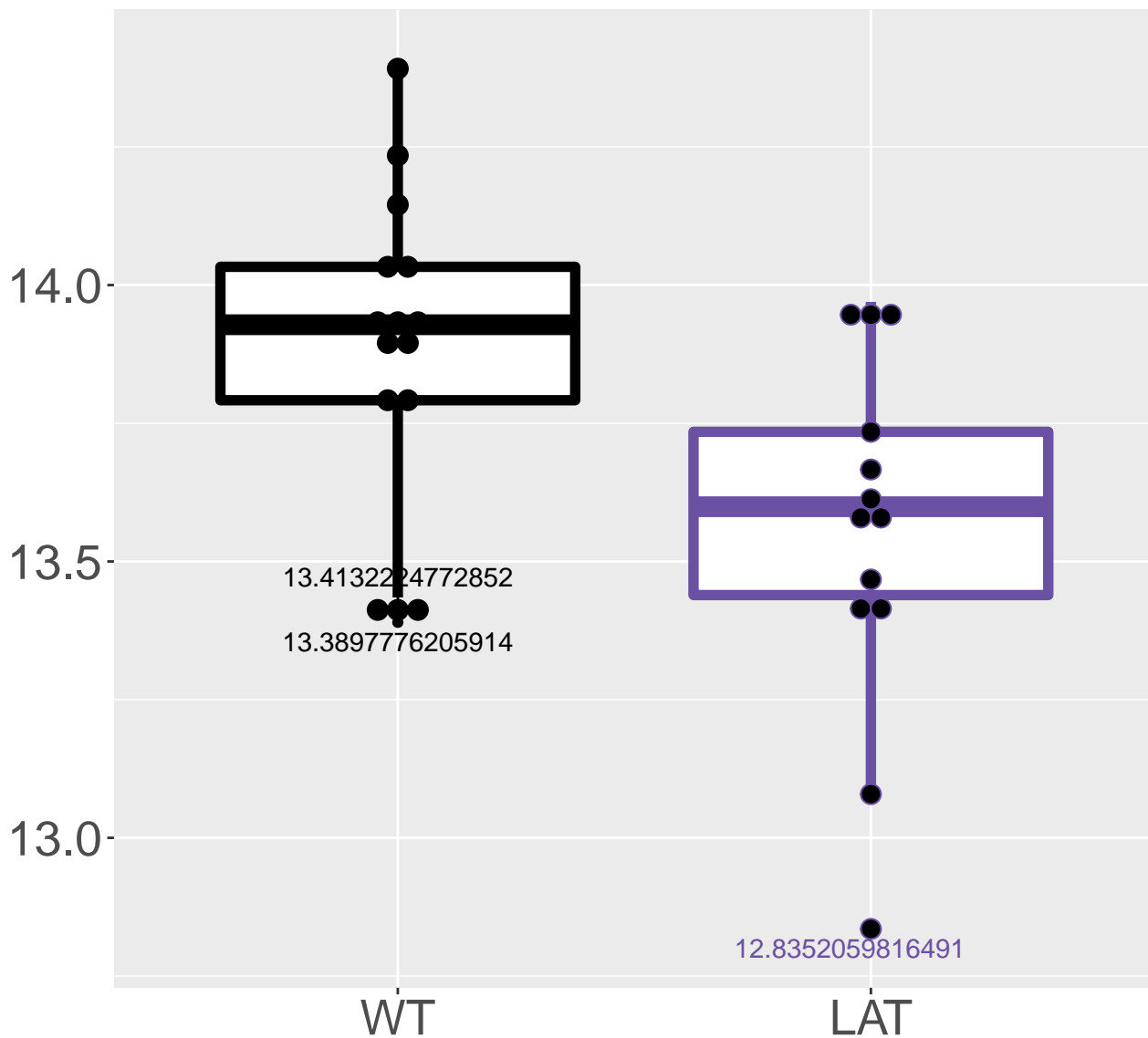
**FDR = 0.046, FC = -1.1, sex\***



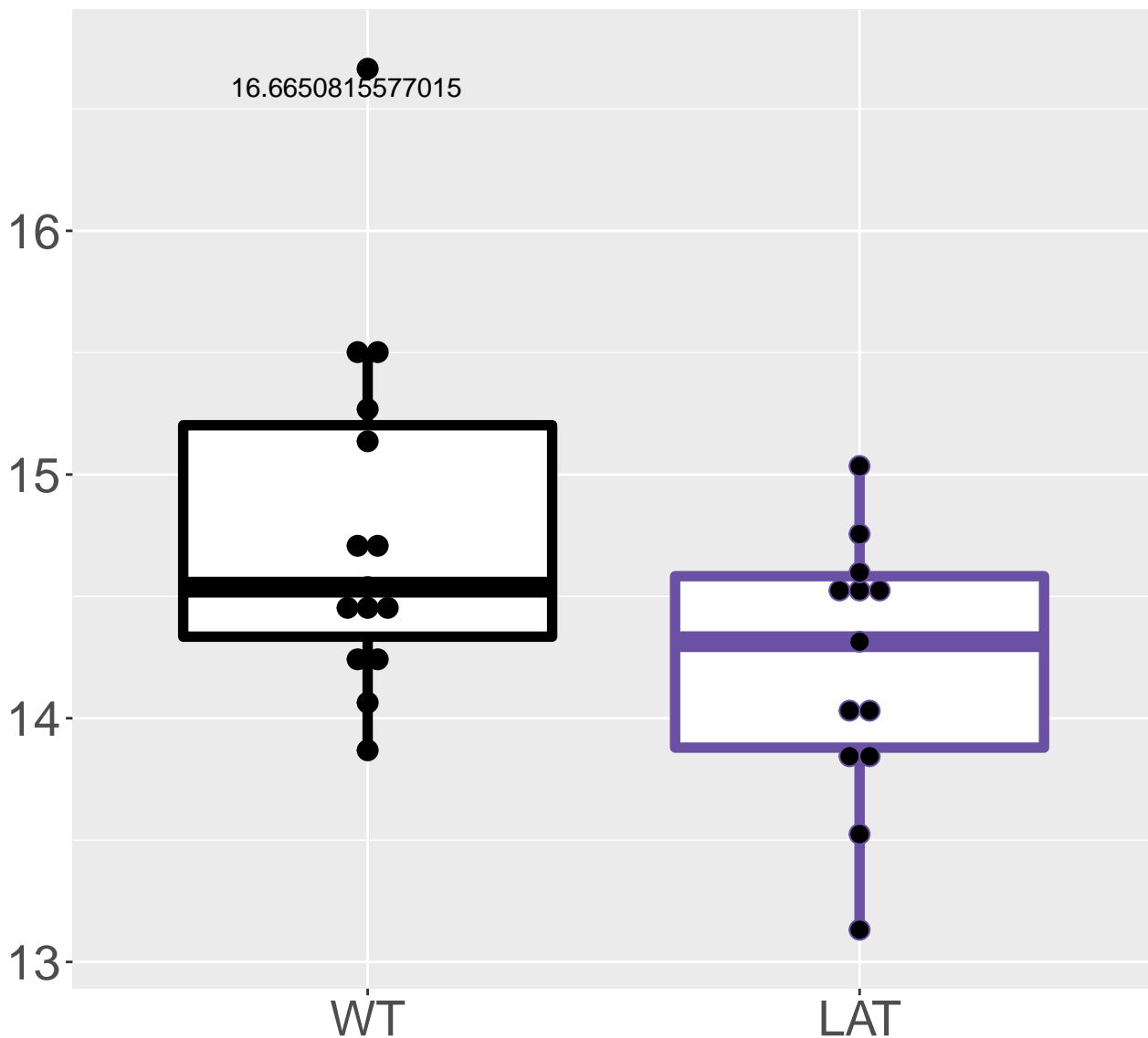
**M127.0085T75.48\_15**  
**FDR = 0.047, FC = -0.52**



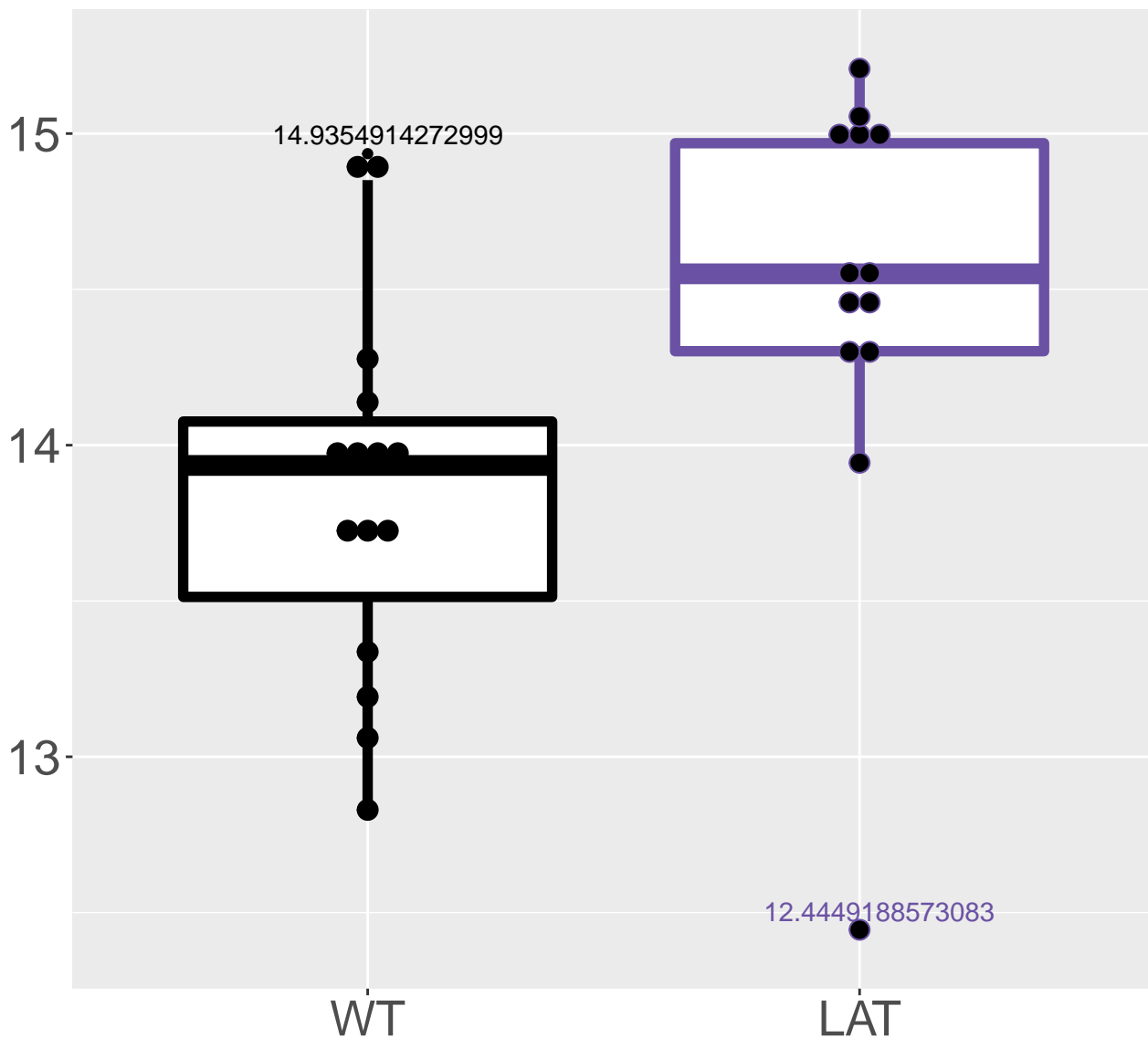
**M316.6938T137.96\_1**  
**FDR = 0.047, FC = -0.33**



**M220.0981T366.1**  
**FDR = 0.047, FC = -0.58**

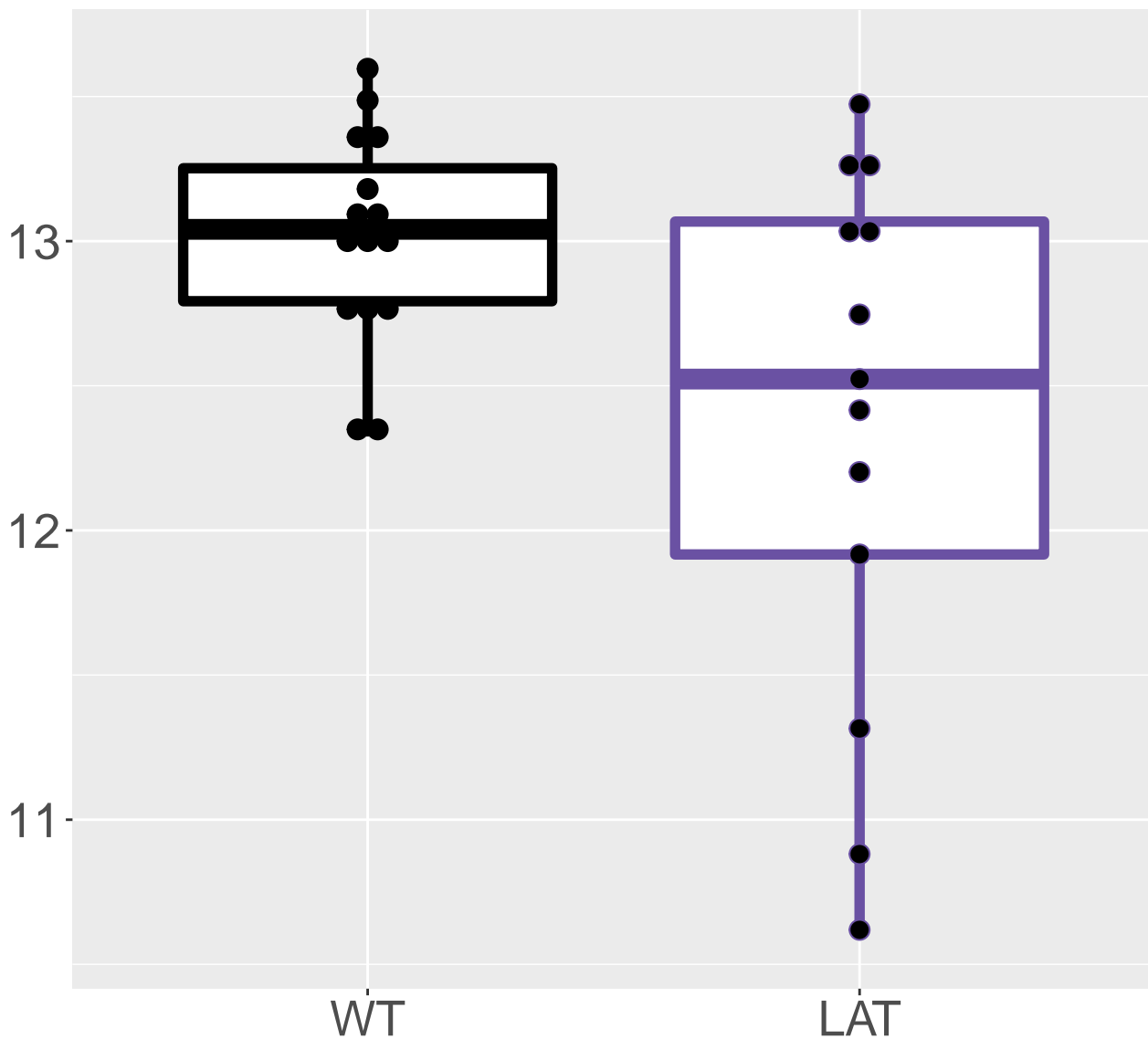


**M579.5173T301.46\_1**  
**FDR = 0.047, FC = 0.64**



**M695.3509T260.41**

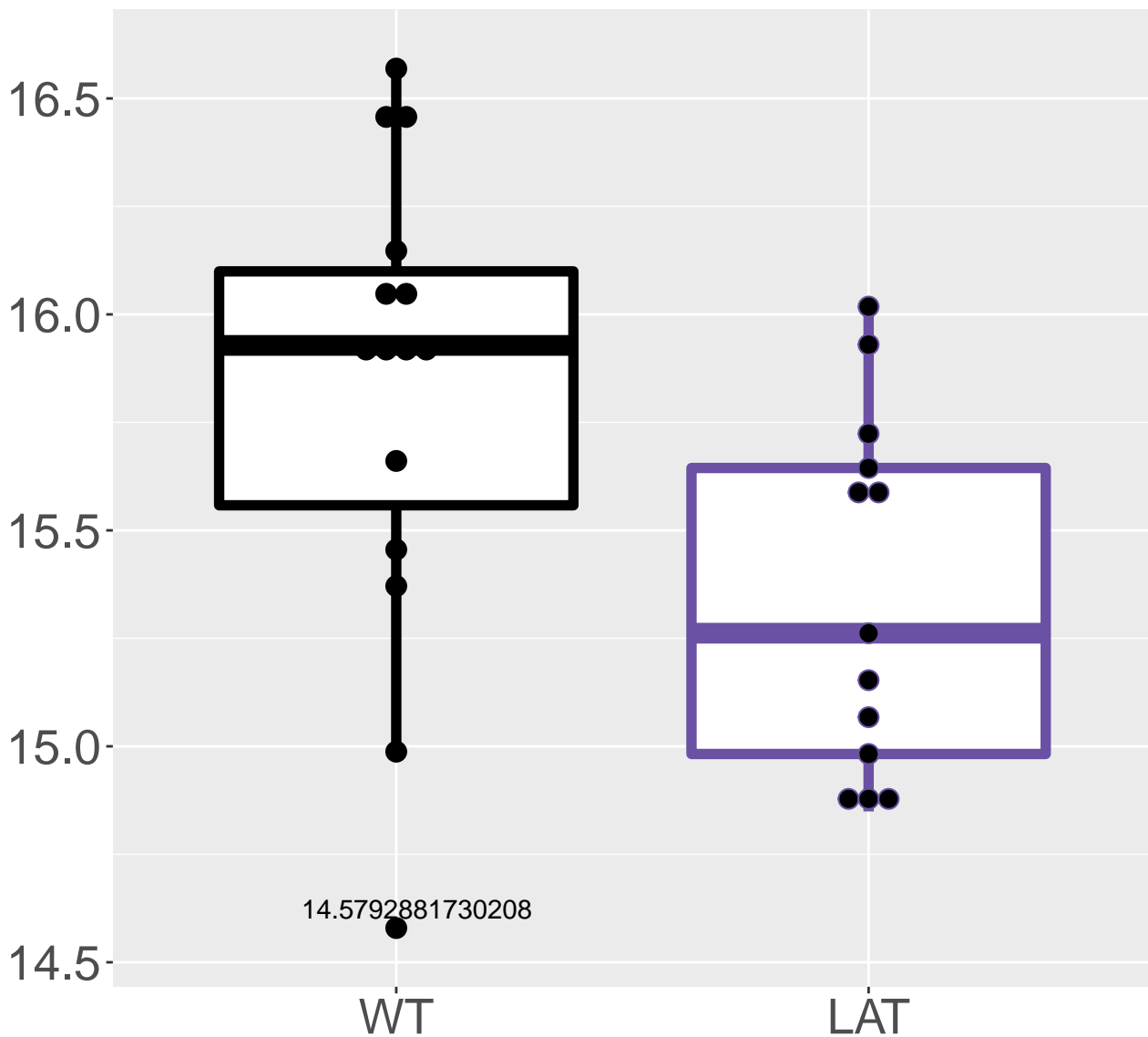
**FDR = 0.047, FC = -0.65**





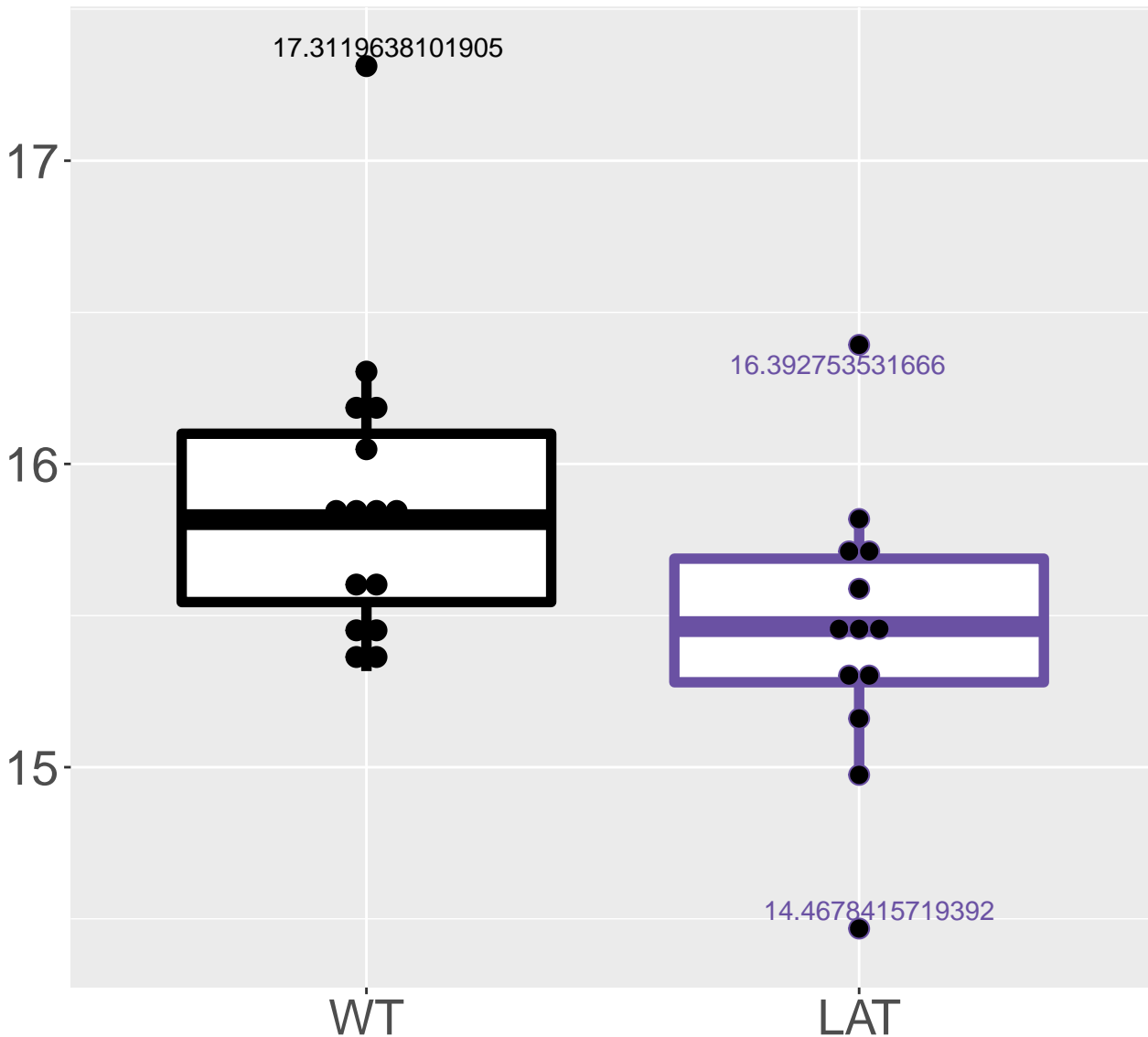
**M171.4223T113.2\_38**

**FDR = 0.047, FC = -0.48**



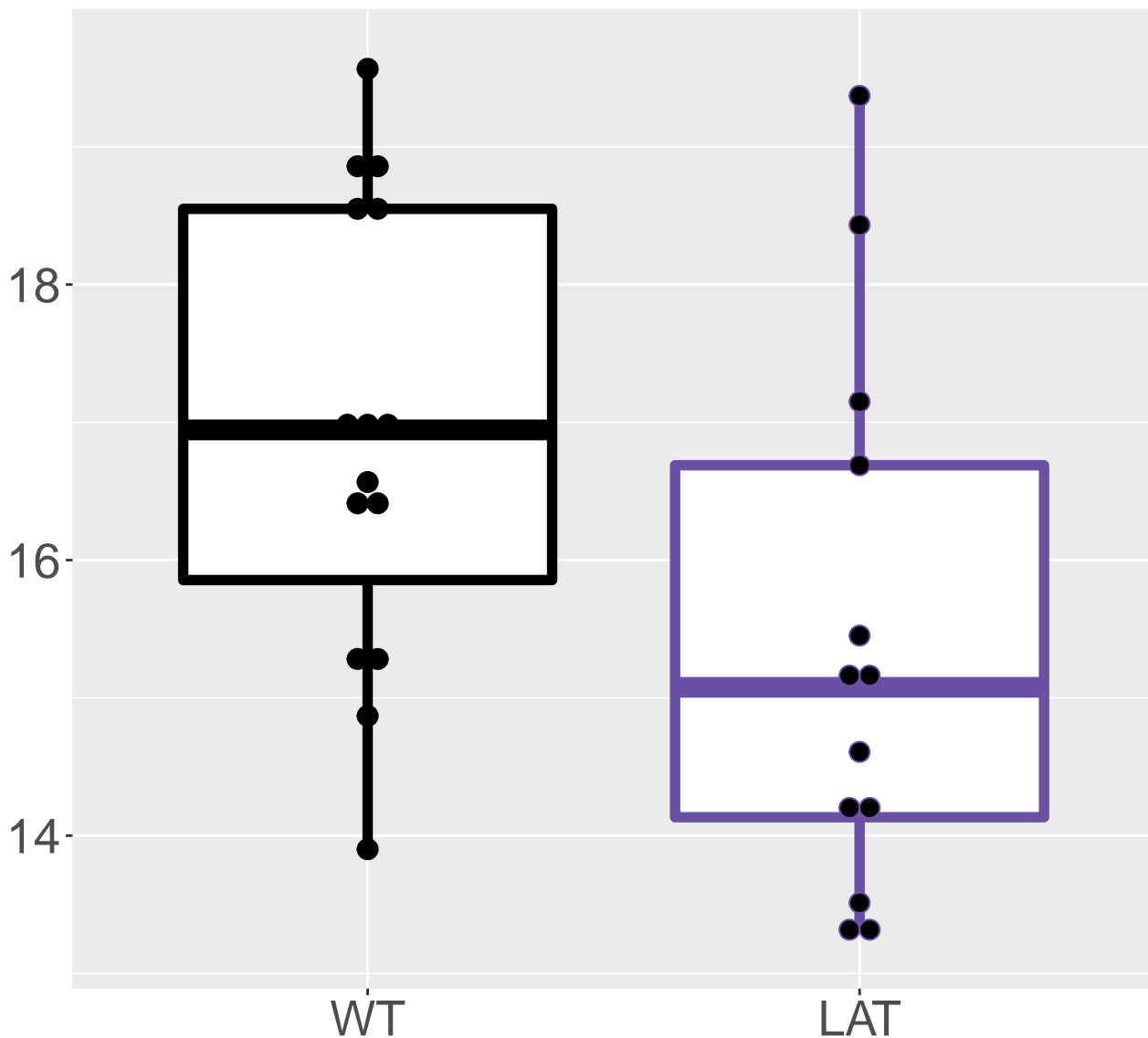
**M237.0881T122.86**

**FDR = 0.048, FC = -0.44**



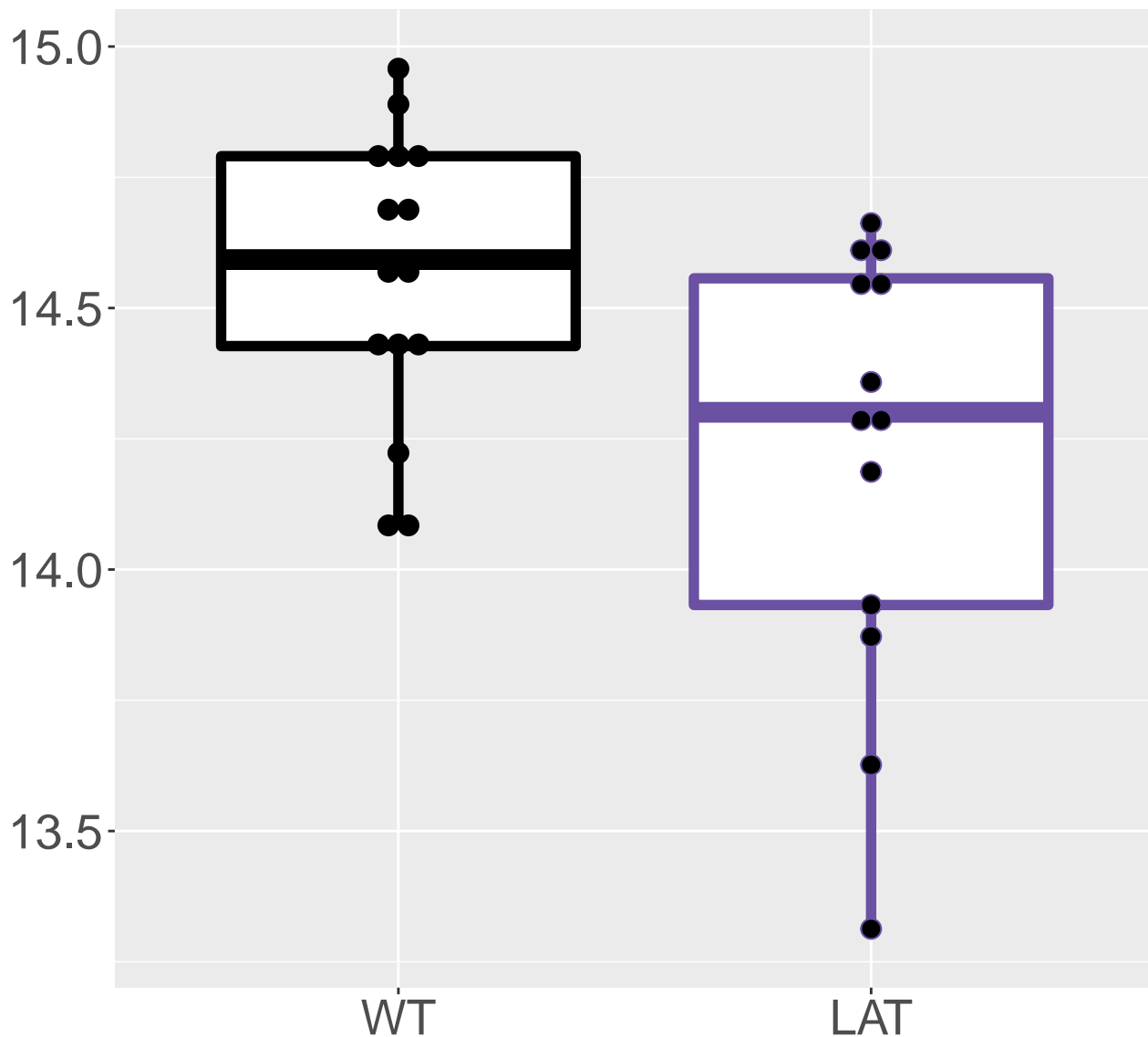
**M237.1246T139.84**

**FDR = 0.048, FC = -1.5**



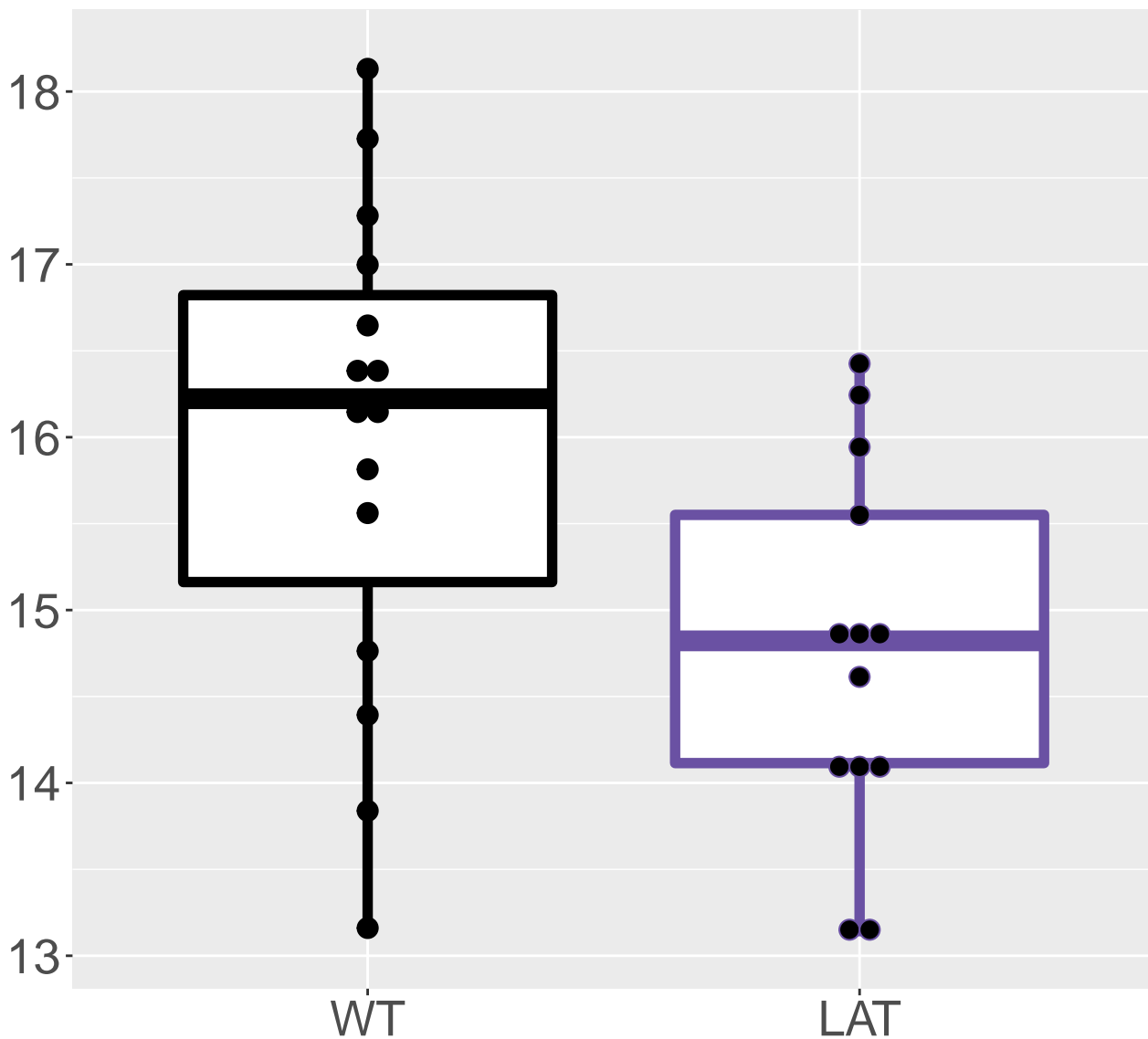
**M376.9731T43.52\_3**

**FDR = 0.048, FC = -0.34**



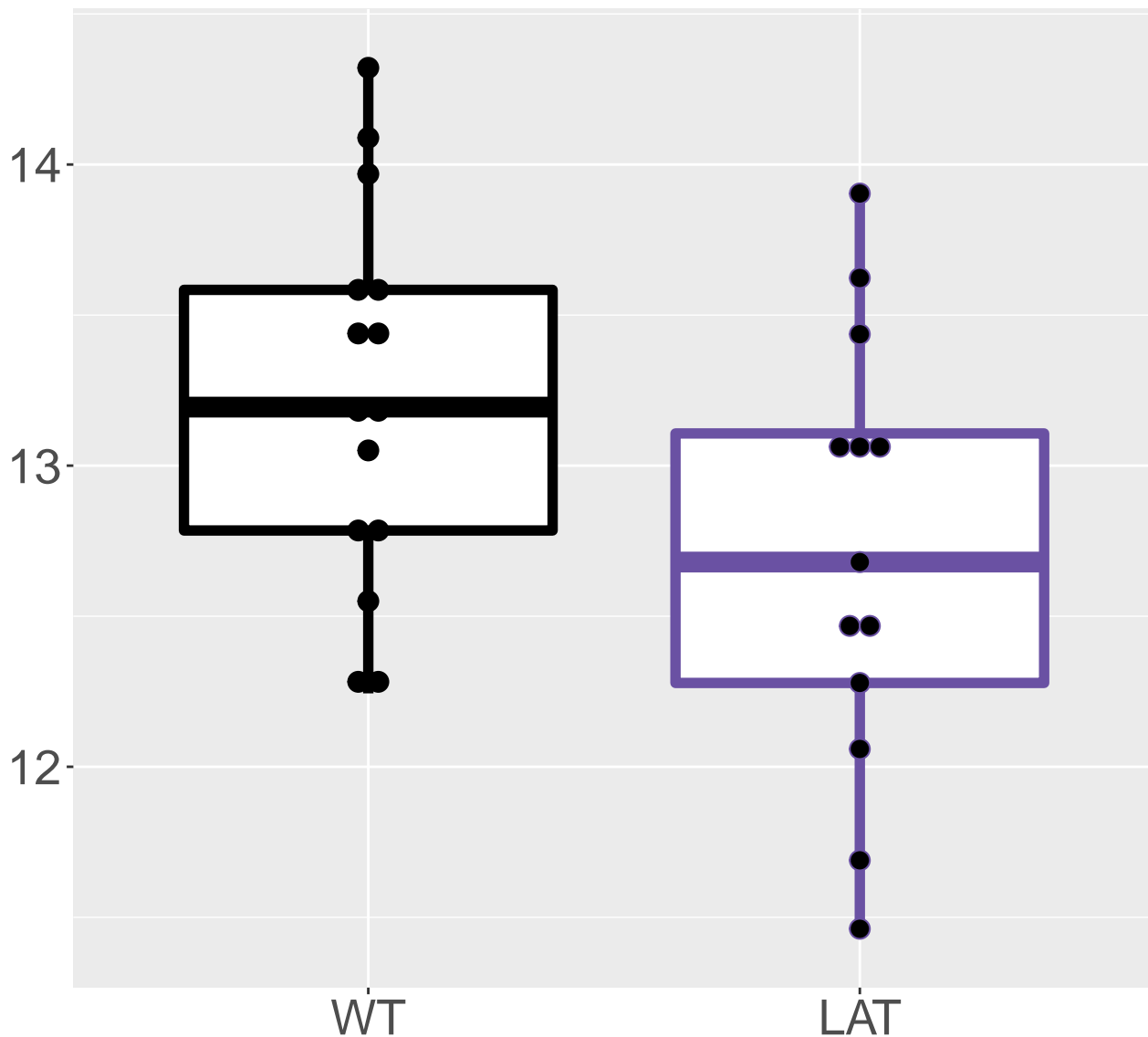
**M396.012T265.19\_3**

**FDR = 0.048, FC = -1.2**



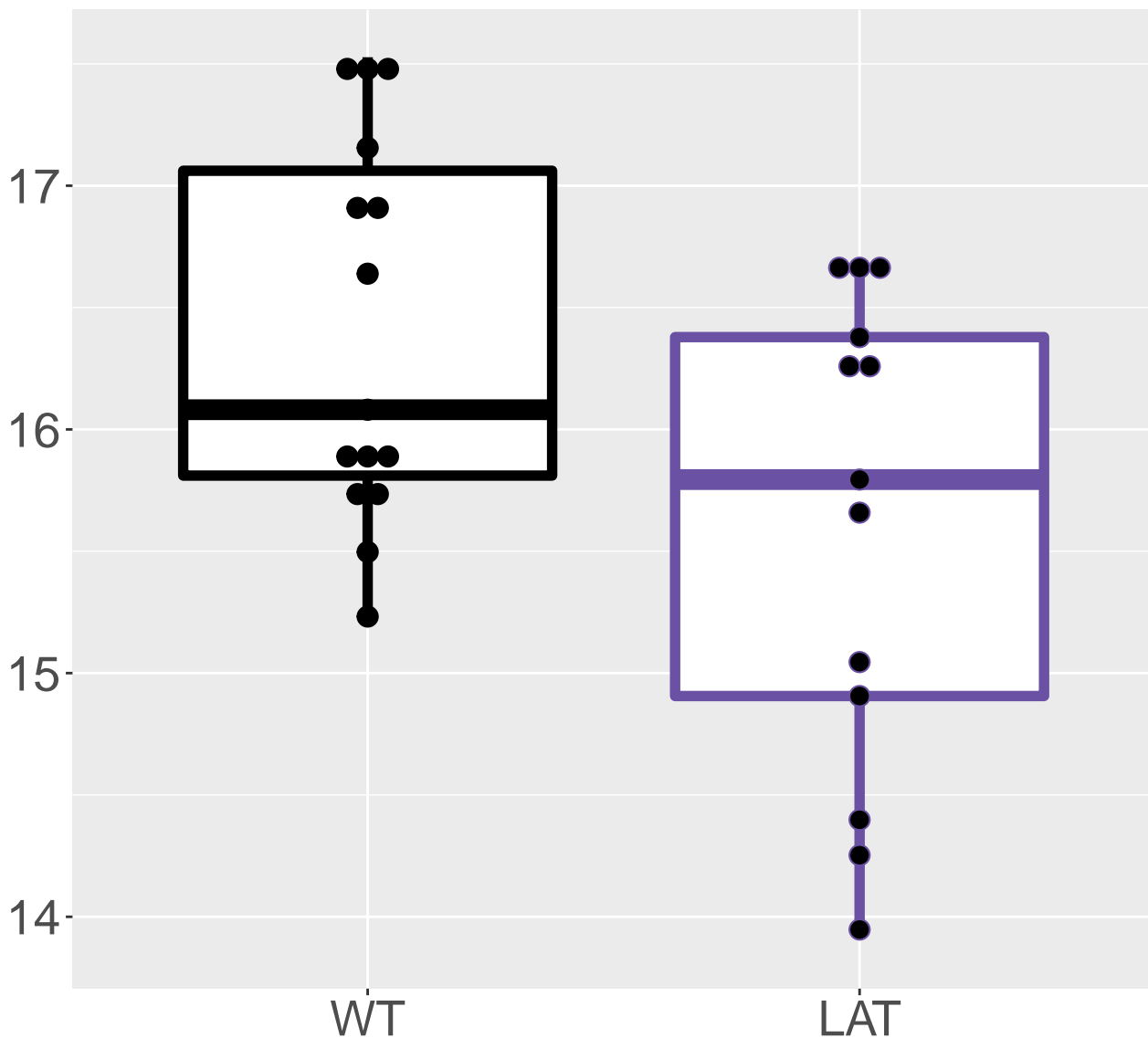
**M178.0874T264.3**

**FDR = 0.048, FC = -0.53, sex\*\*\***



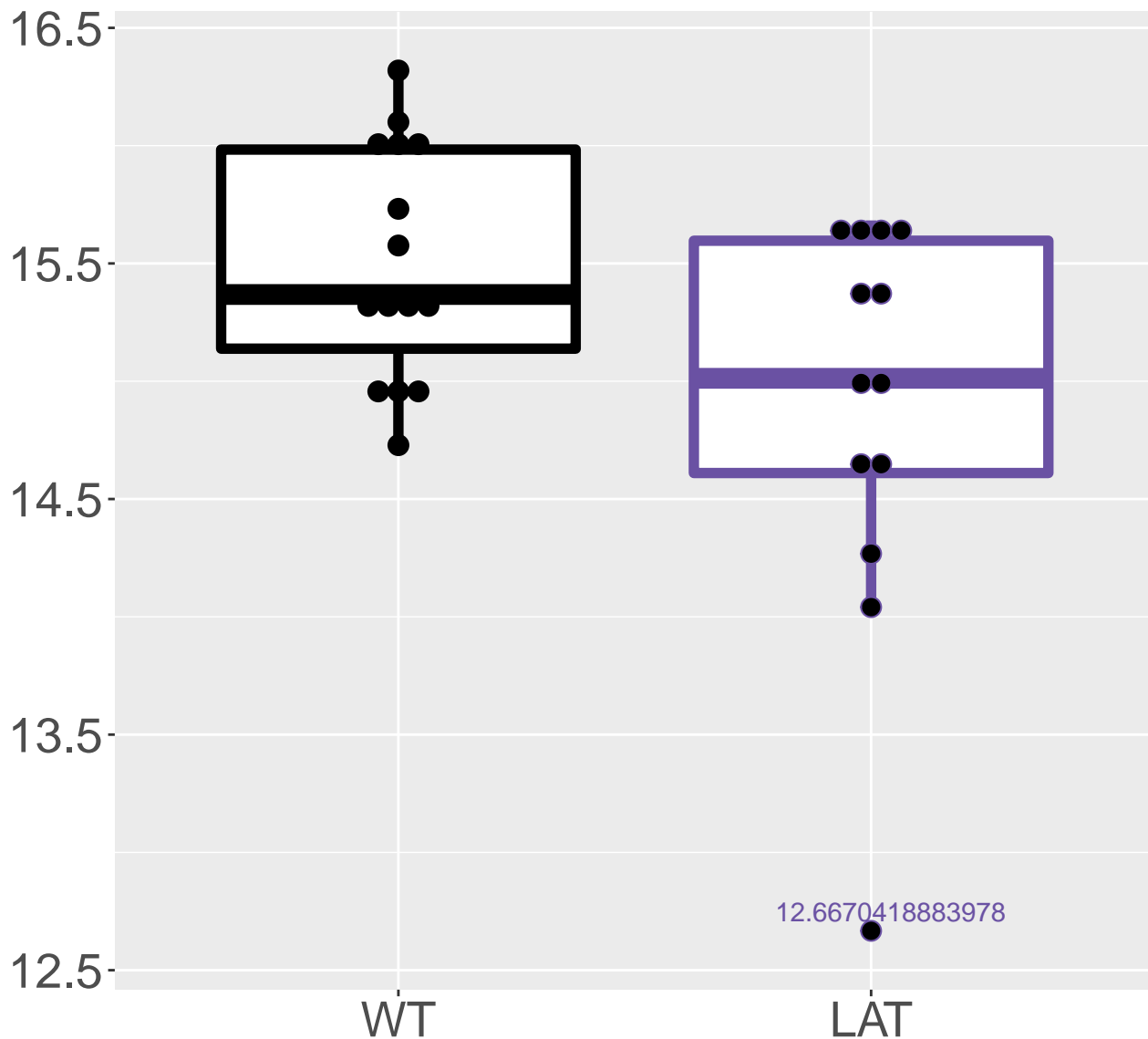
**M133.9565T75.5\_20**

**FDR = 0.048, FC = -0.79**



# Deoxycytidine;2'-Deoxycytidine

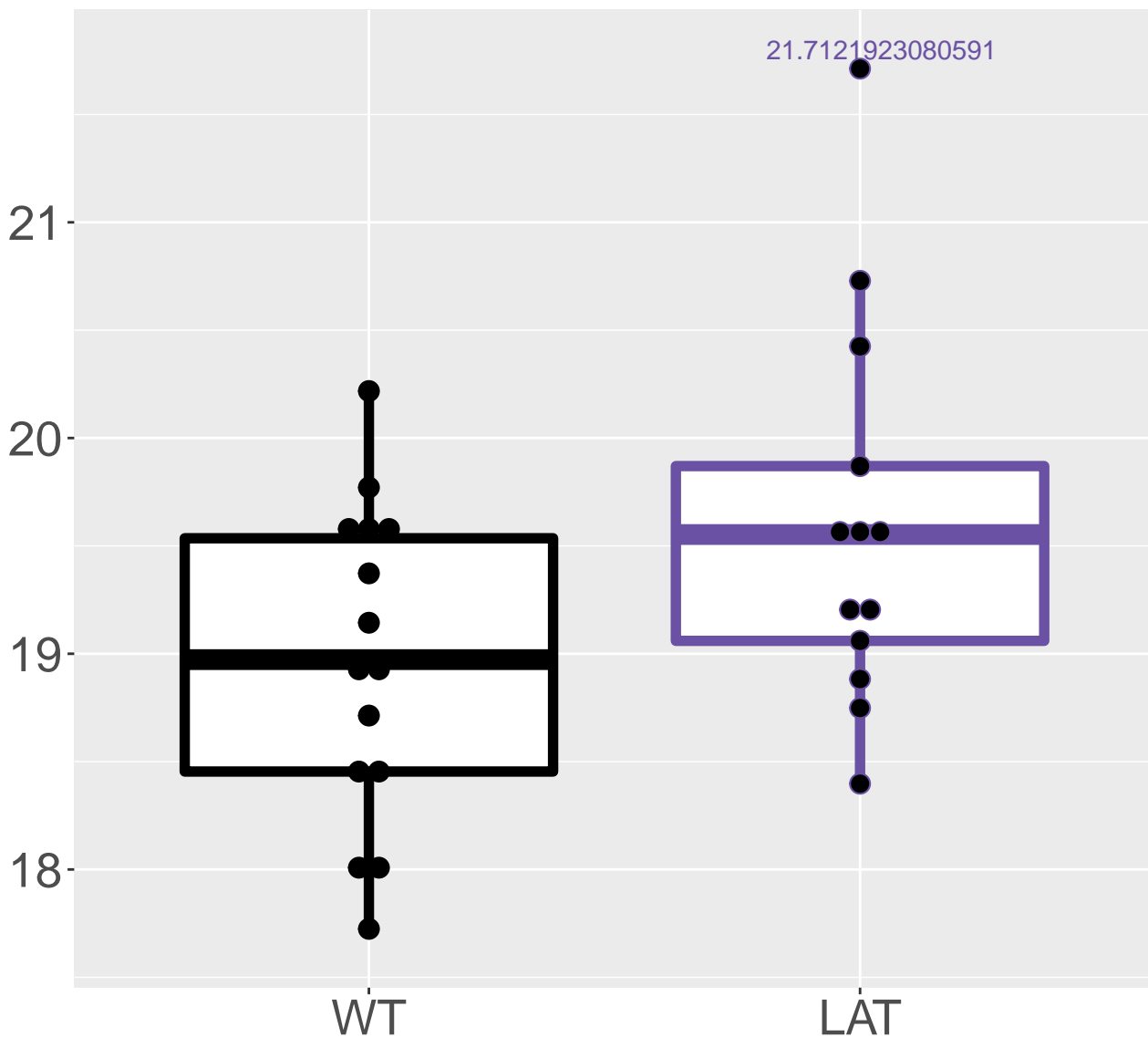
FDR = 0.048, FC = -0.61





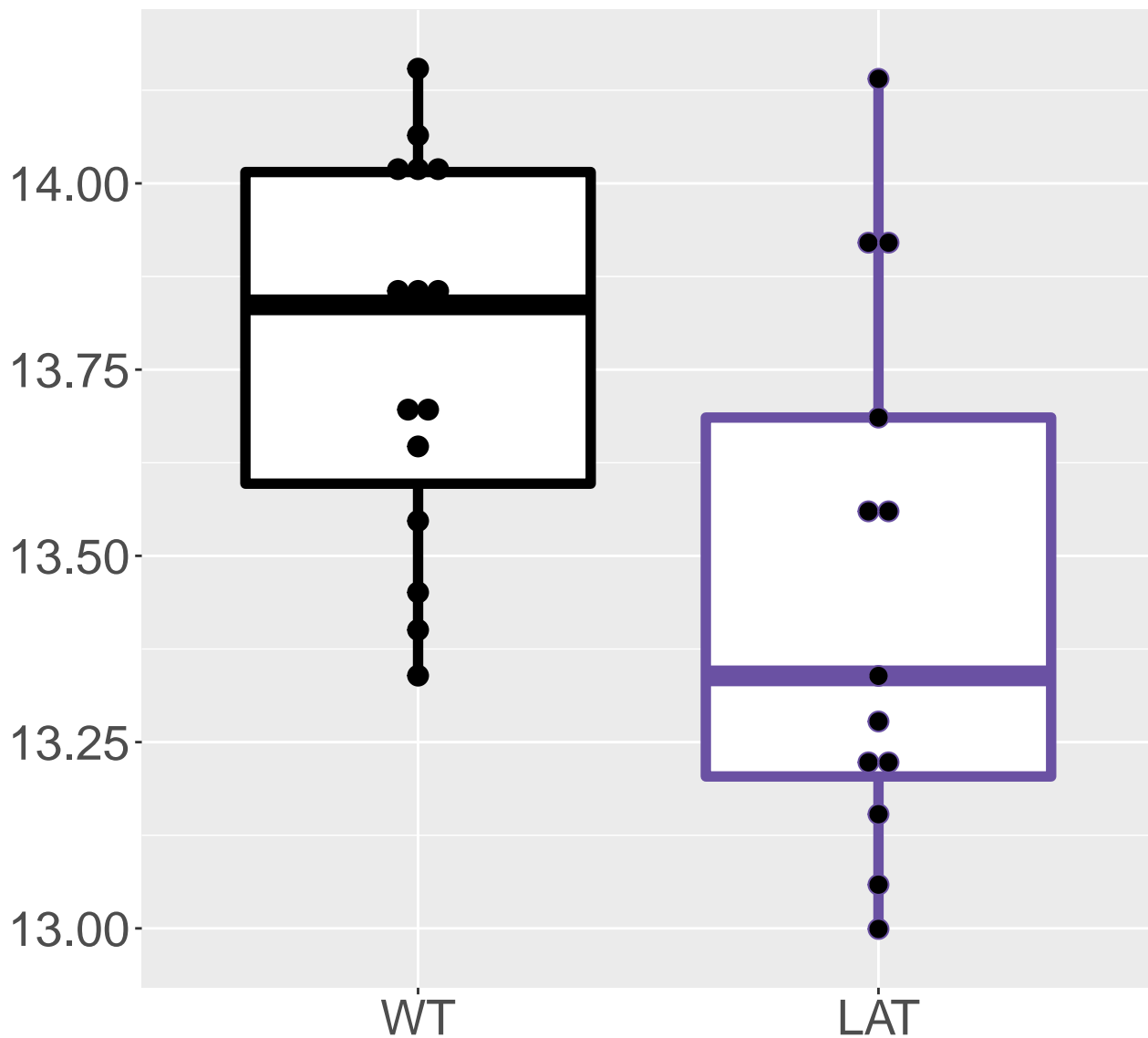
**M463.2719T487.49**

**FDR = 0.048, FC = 0.65**



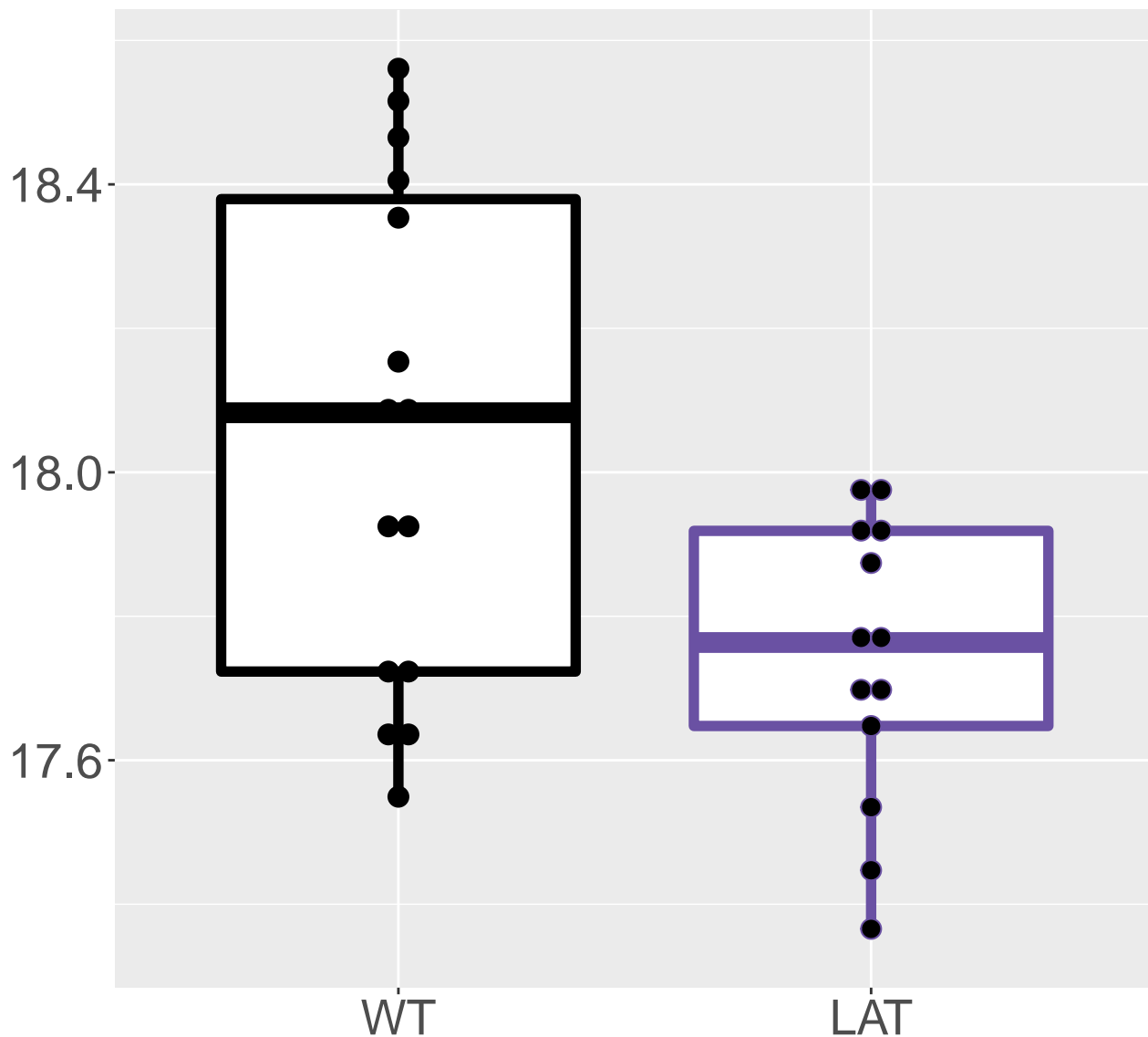
**M641.9312T251.15\_3**

**FDR = 0.049, FC = -0.31**



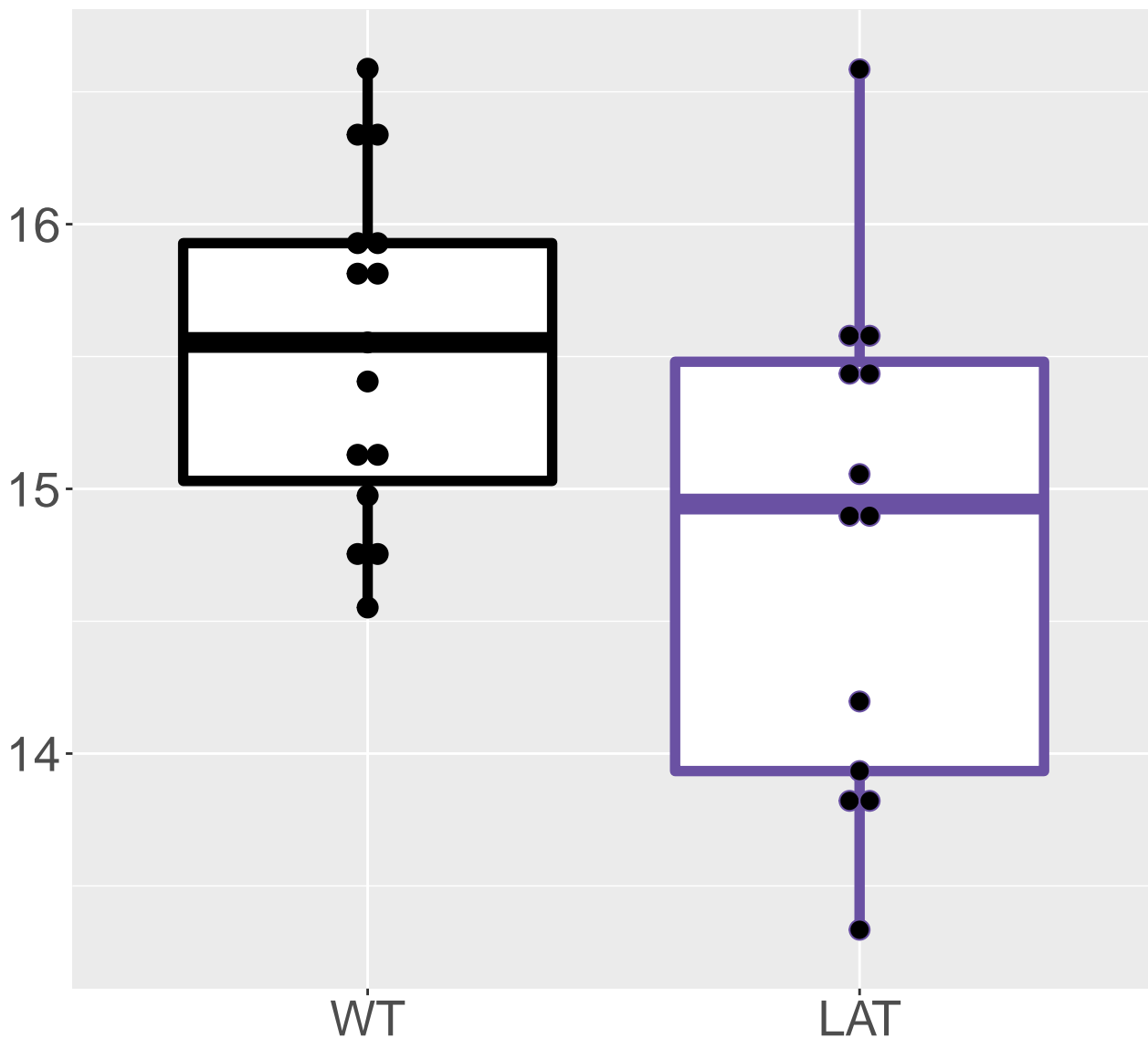
**M604.4798T371.31\_3**

**FDR = 0.049, FC = -0.31**



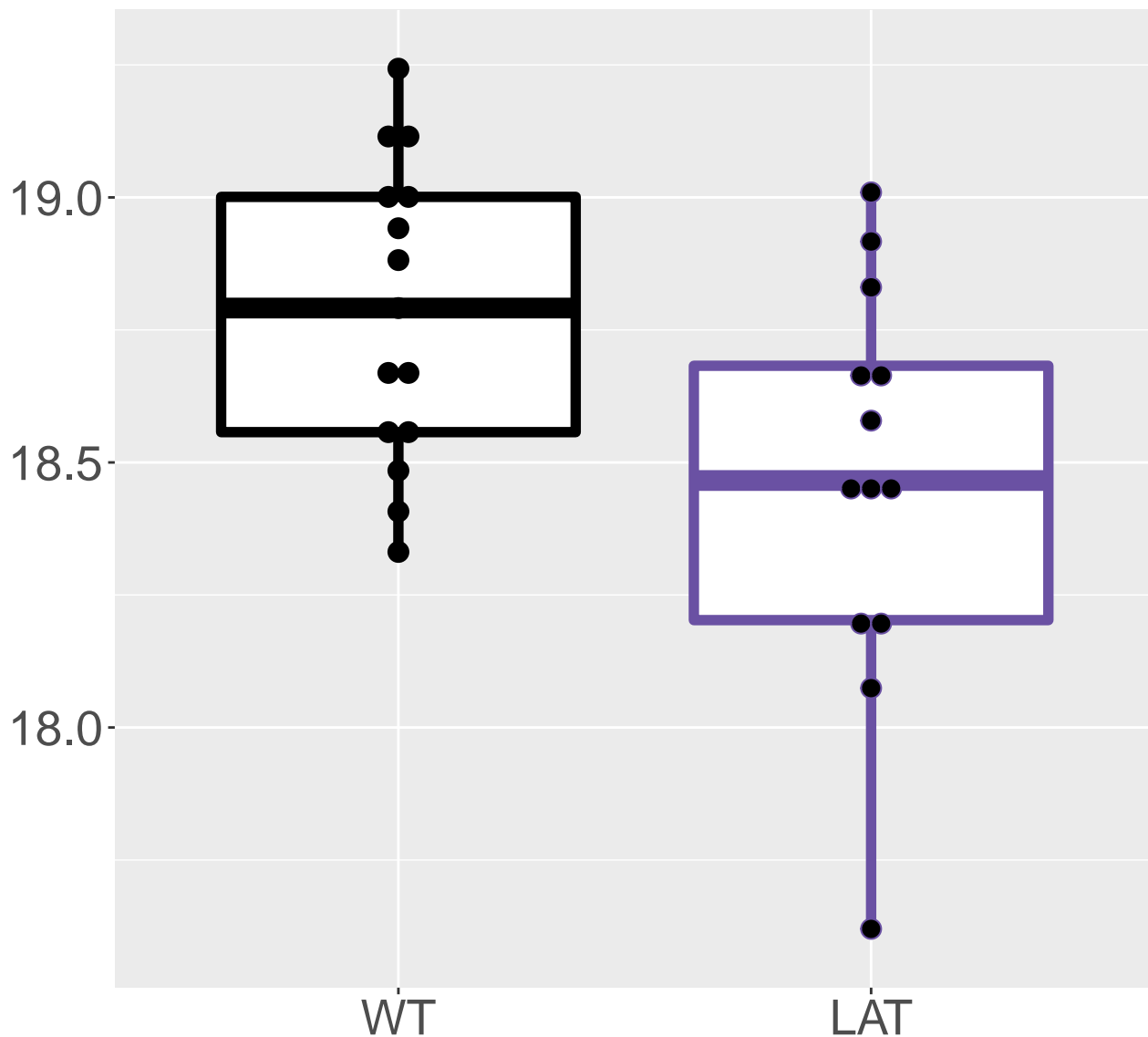
**M107.5999T67.5**

**FDR = 0.049, FC = -0.72**



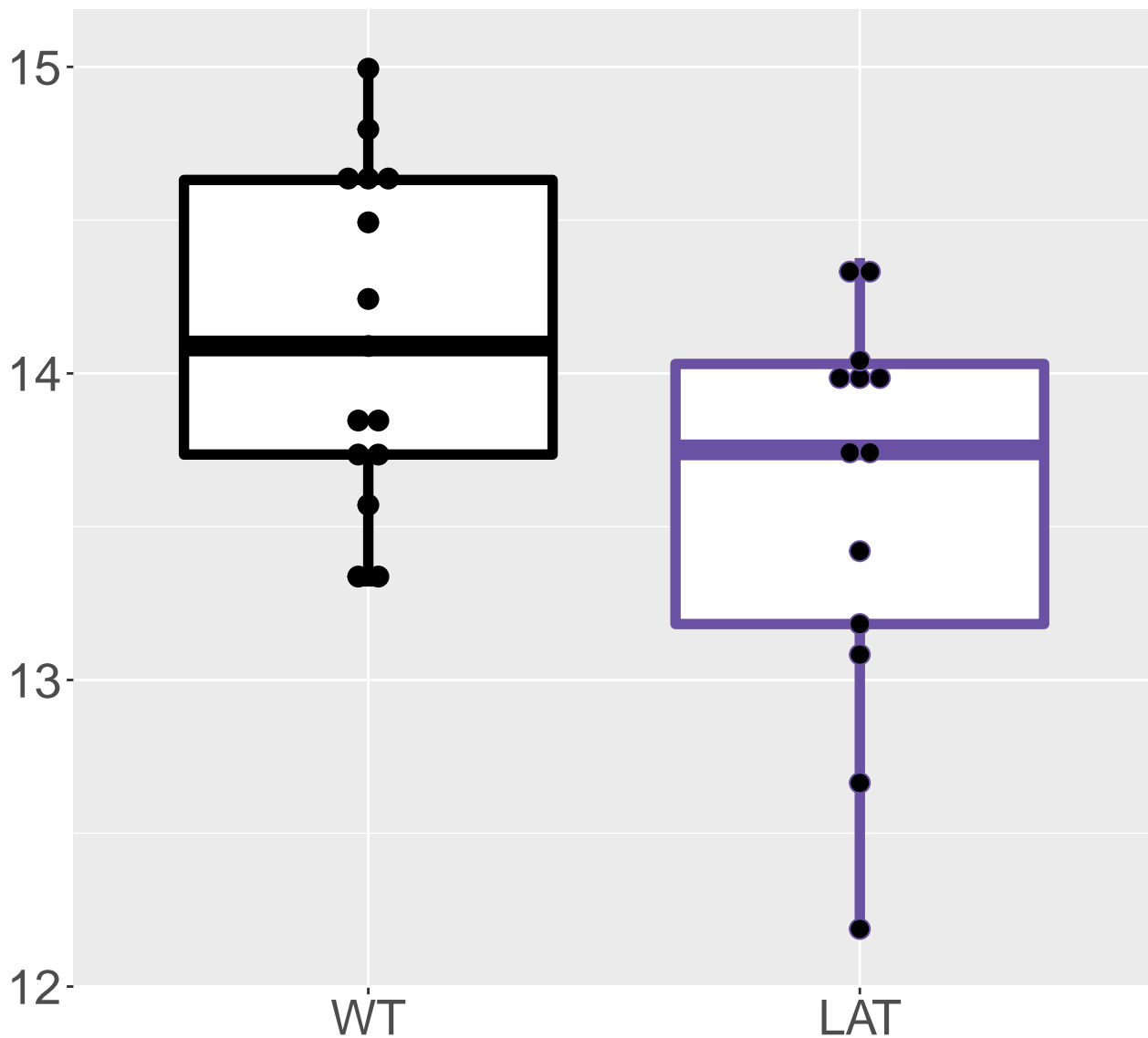
**M298.1511T52.9**

**FDR = 0.049, FC = -0.31**



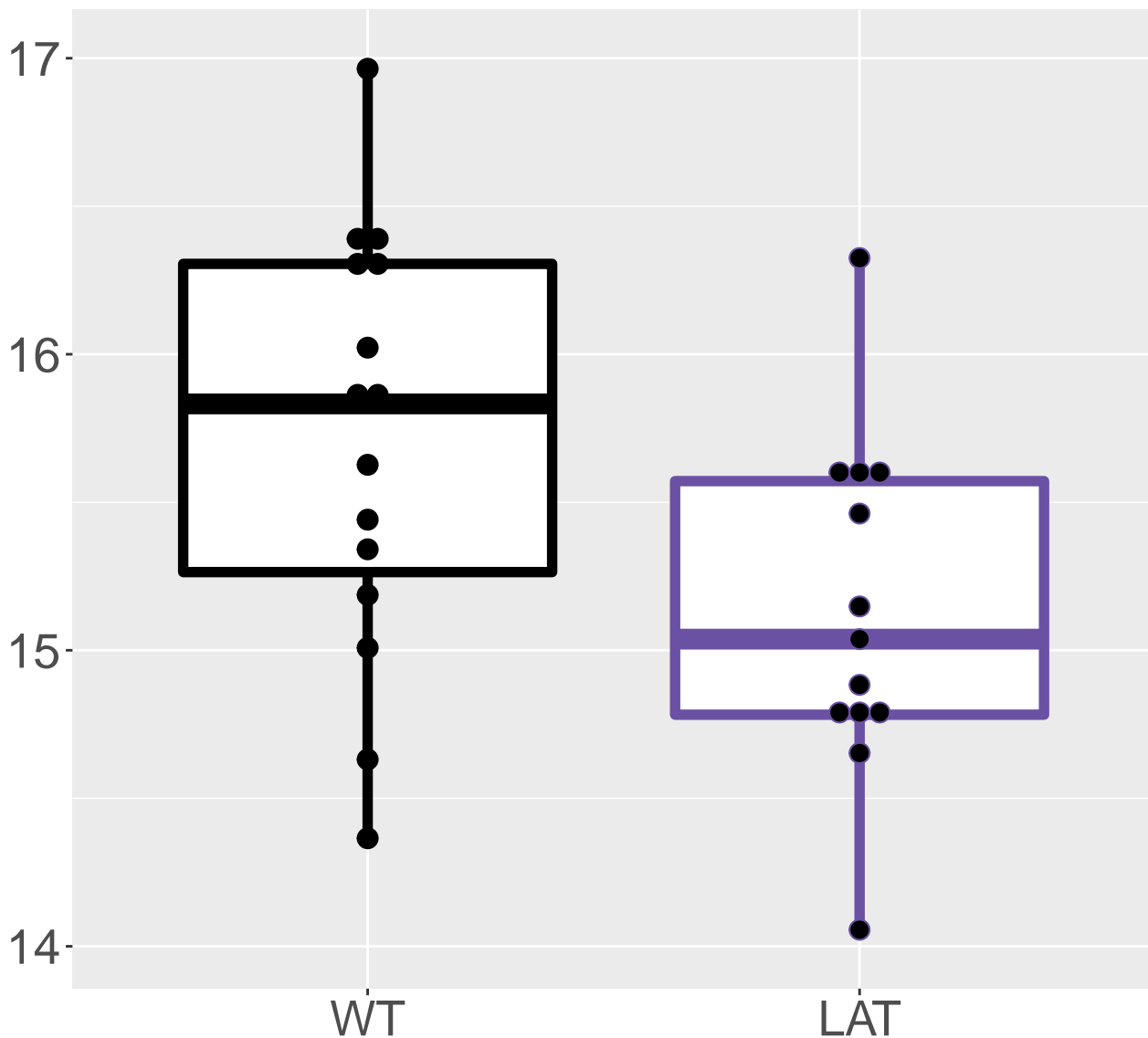
**M498.0655T268.36\_2**

**FDR = 0.049, FC = -0.54, sex\***

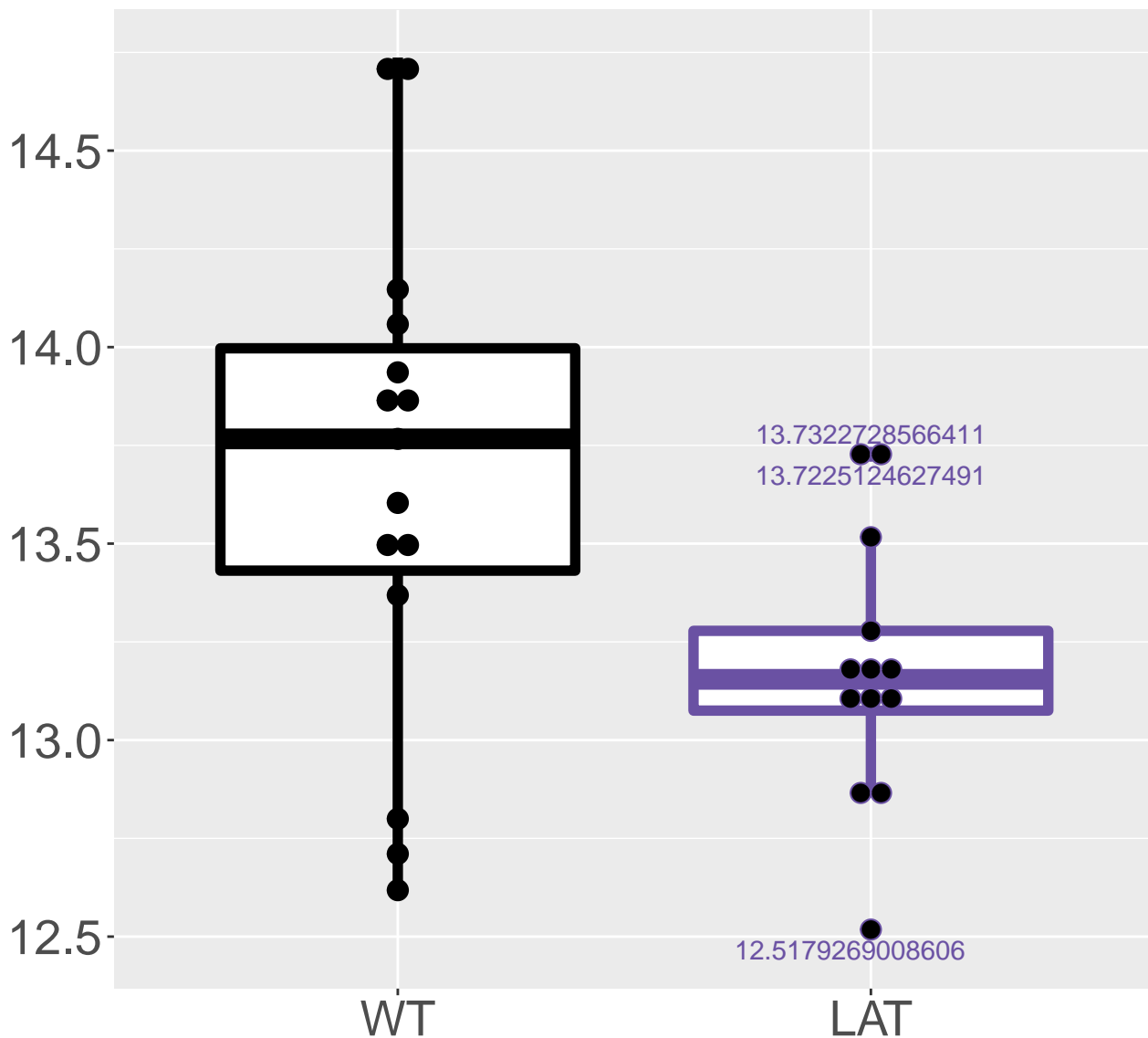


**M170.0669T113.13\_26**

**FDR = 0.049, FC = -0.58**



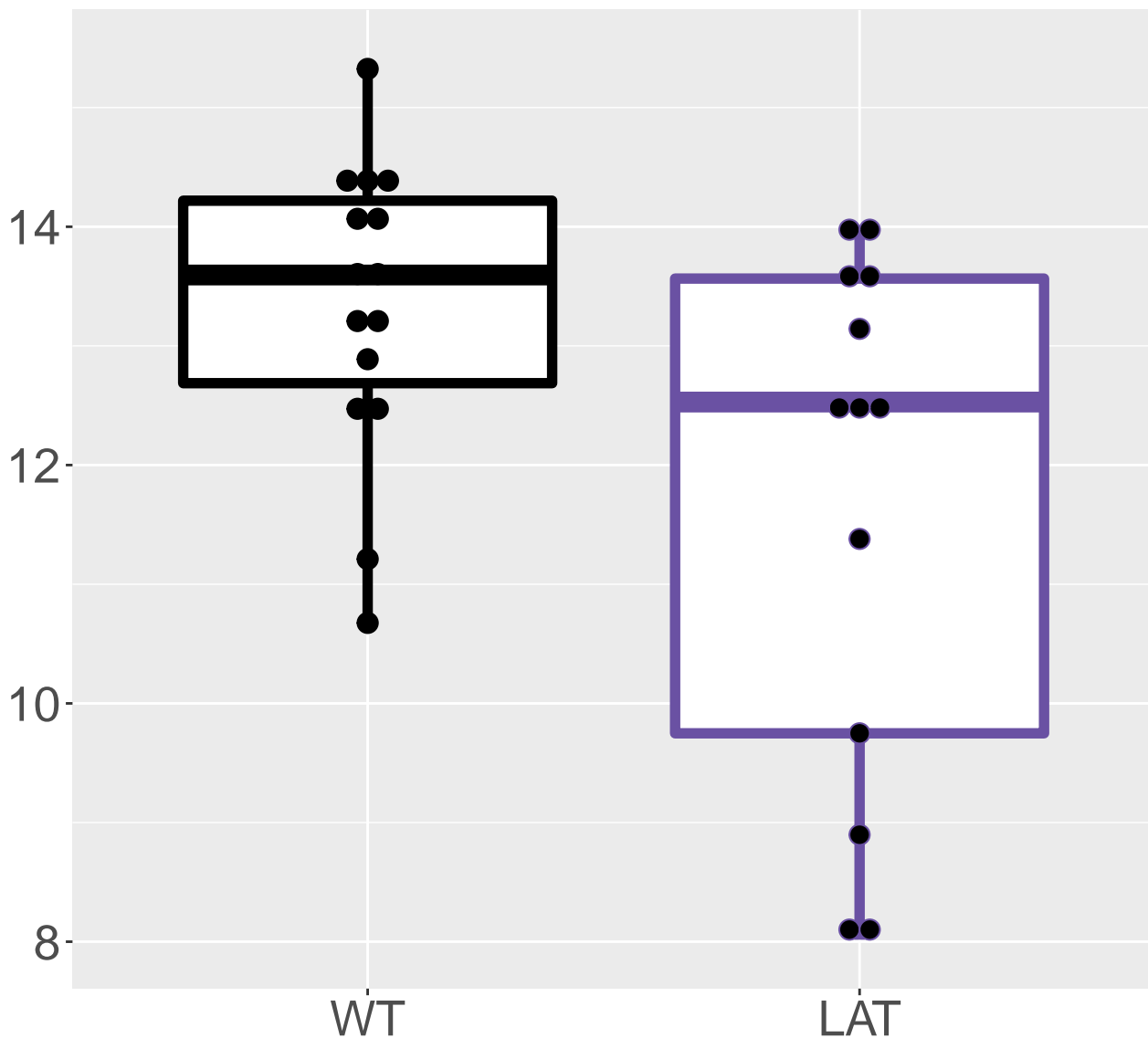
**M281.1081T130.82**  
**FDR = 0.049, FC = -0.5**



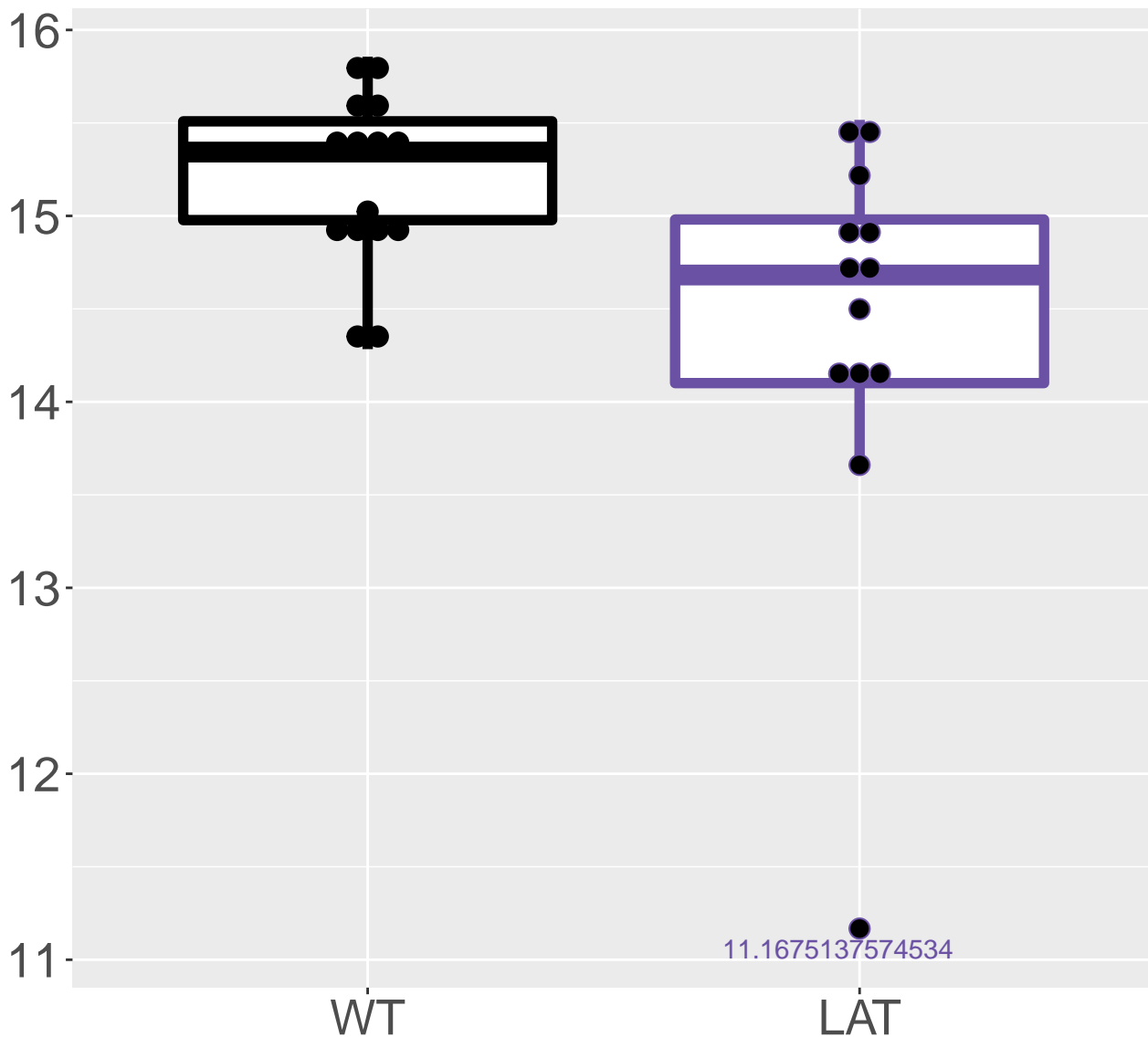


**M639.479T357.05**

**FDR = 0.049, FC = -1.6**

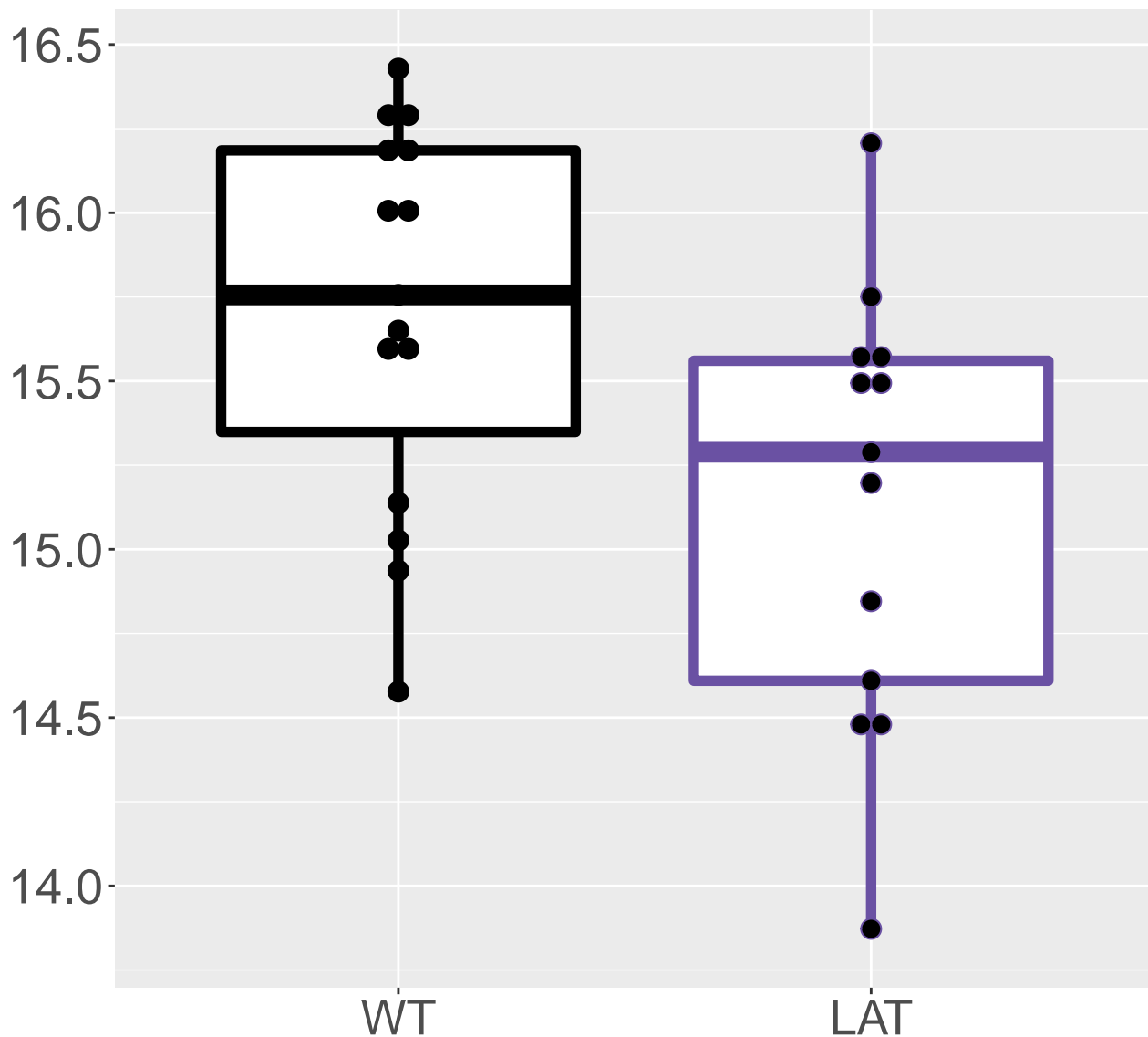


**M156.5632T113.15\_4**  
**FDR = 0.049, FC = -0.8**

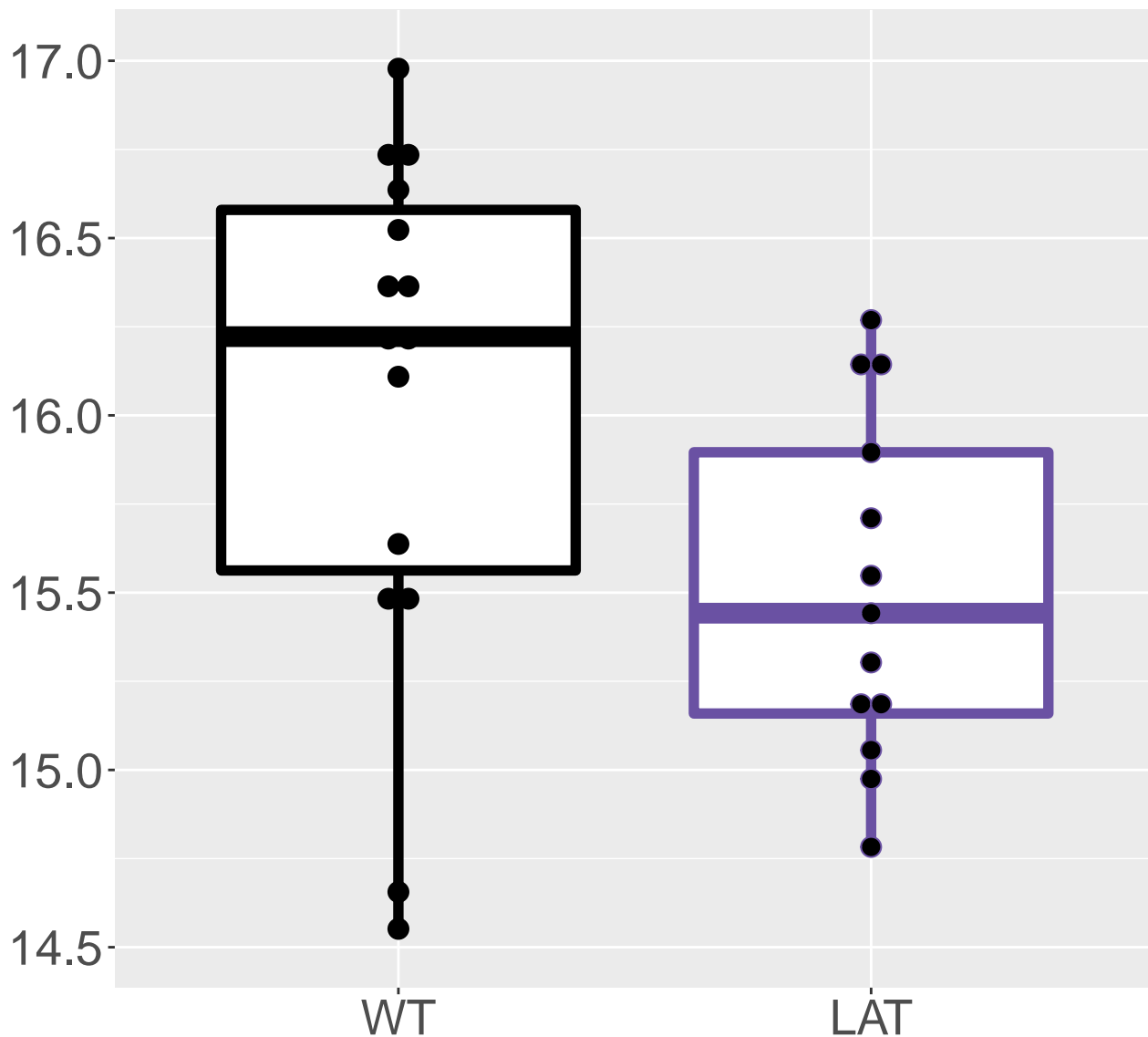


**M171.8574T113.16\_9**

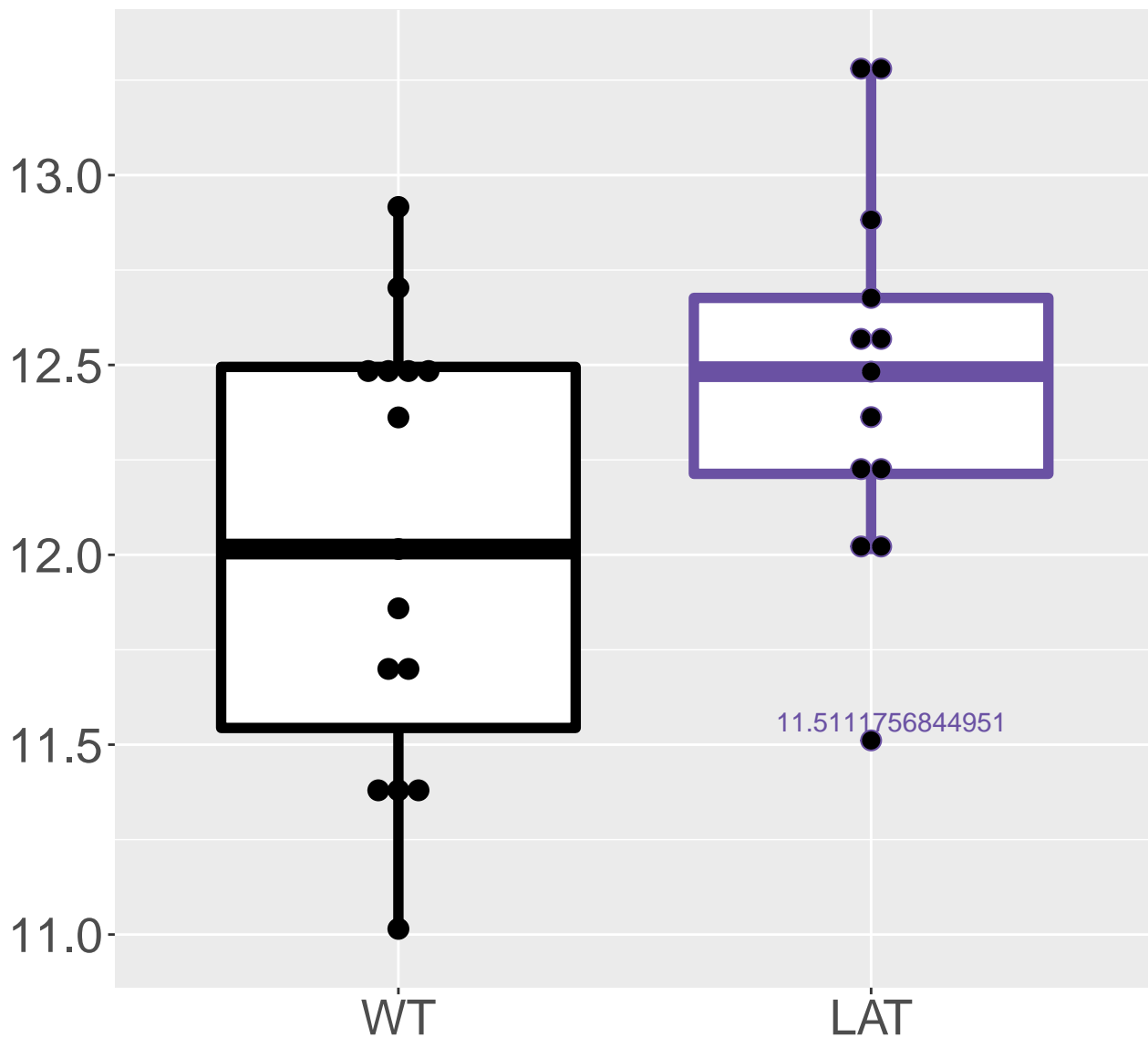
**FDR = 0.049, FC = -0.57**



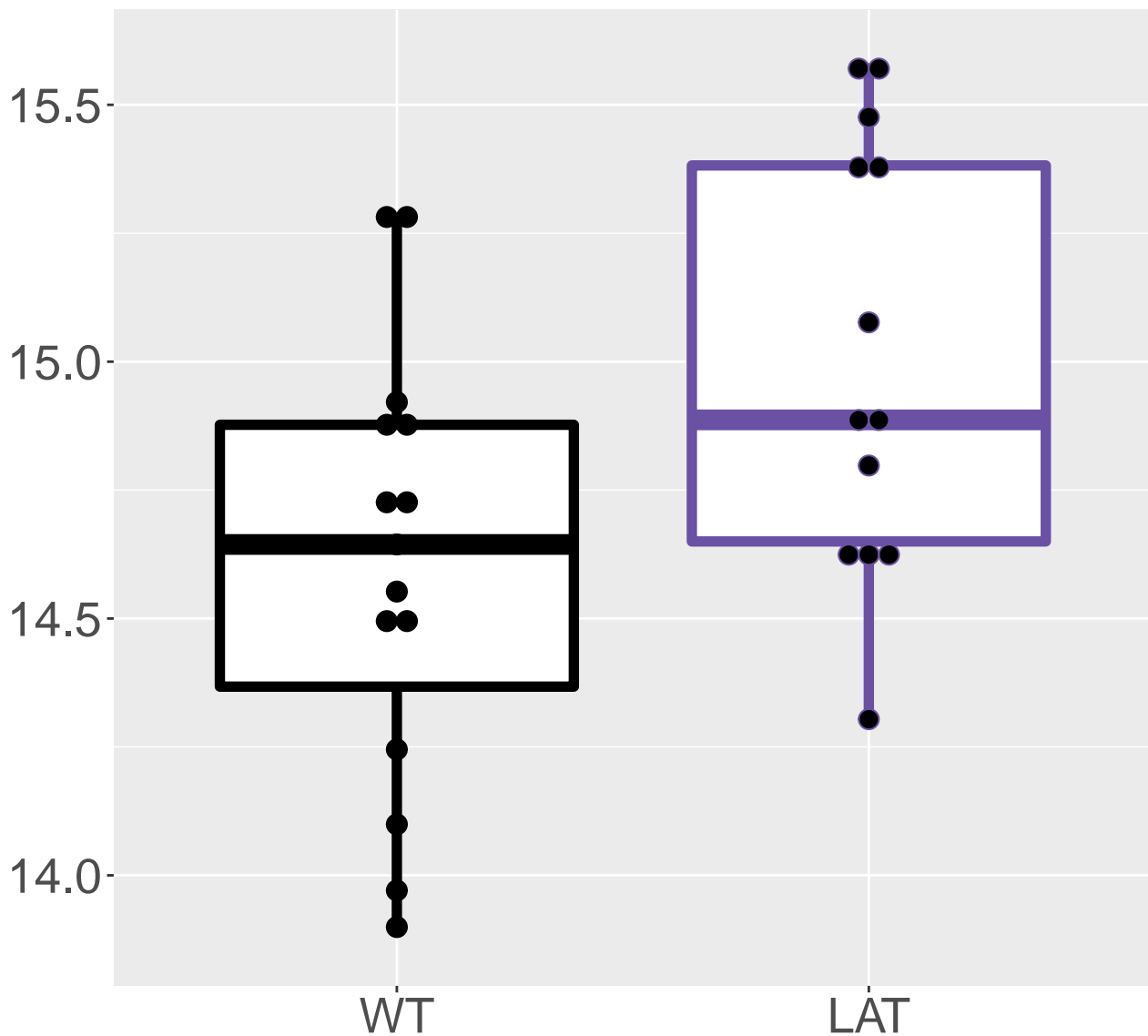
**M164.1621T113.22\_33**  
**FDR = 0.049, FC = -0.54**



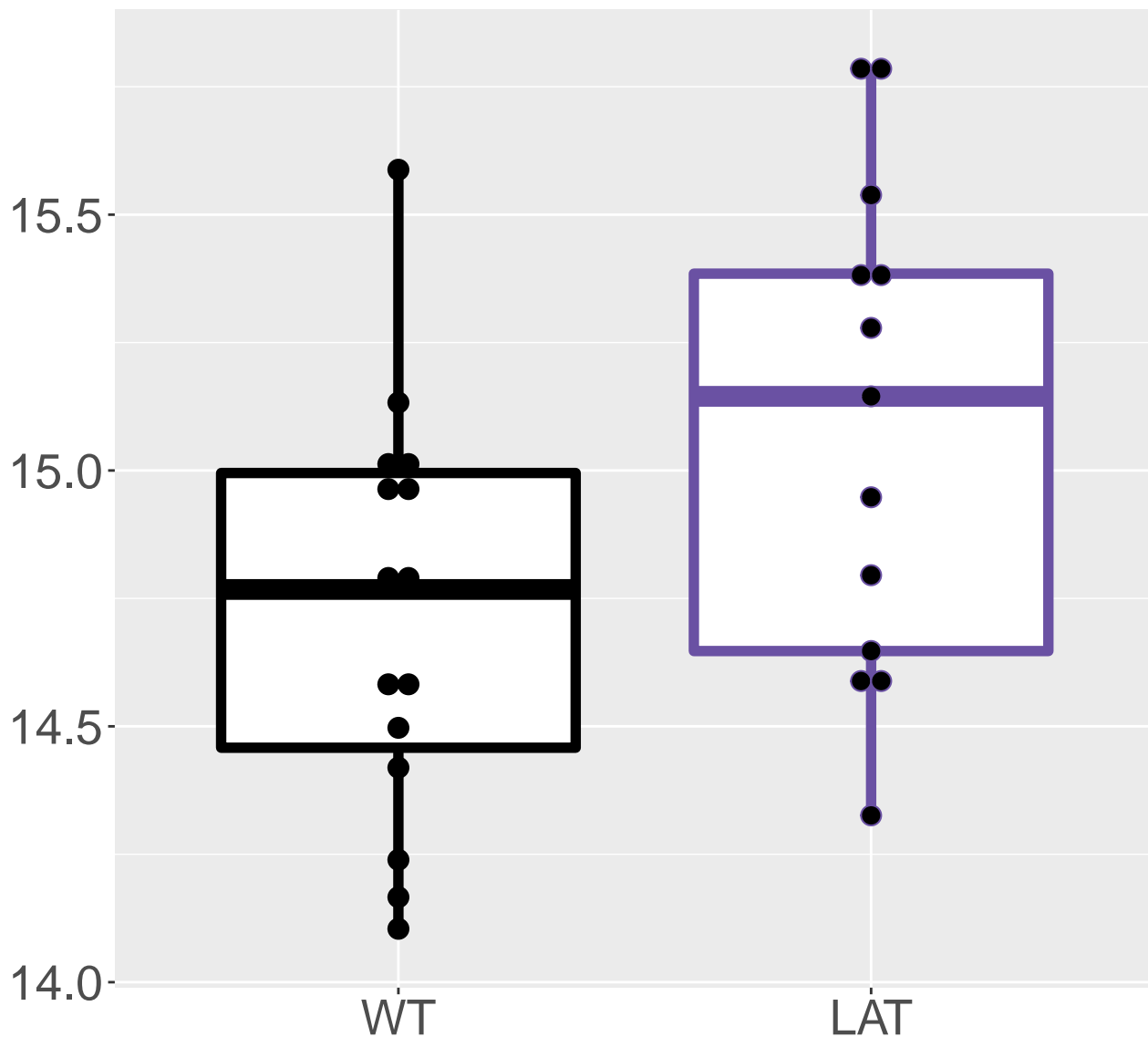
**M326.1253T243.95**  
**FDR = 0.049, FC = 0.45**



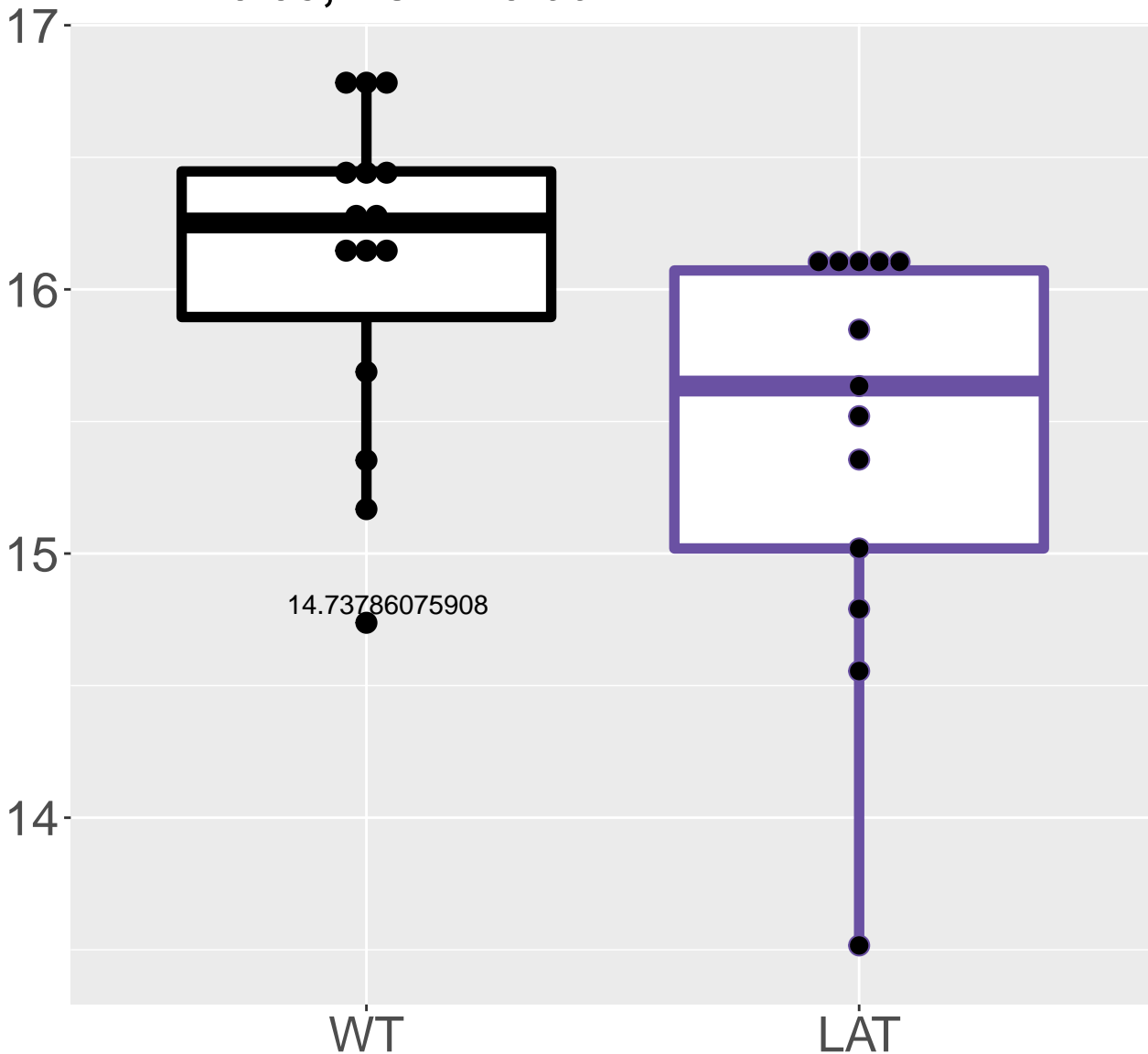
**M276.0743T99.66**  
**FDR = 0.05, FC = 0.41**



**M334.1261T84.02**  
**FDR = 0.05, FC = 0.37**



**M168.8678T113.22\_19**  
**FDR = 0.05, FC = -0.66**





**M268.1642T43.83**  
**FDR = 0.05, FC = -0.31**

