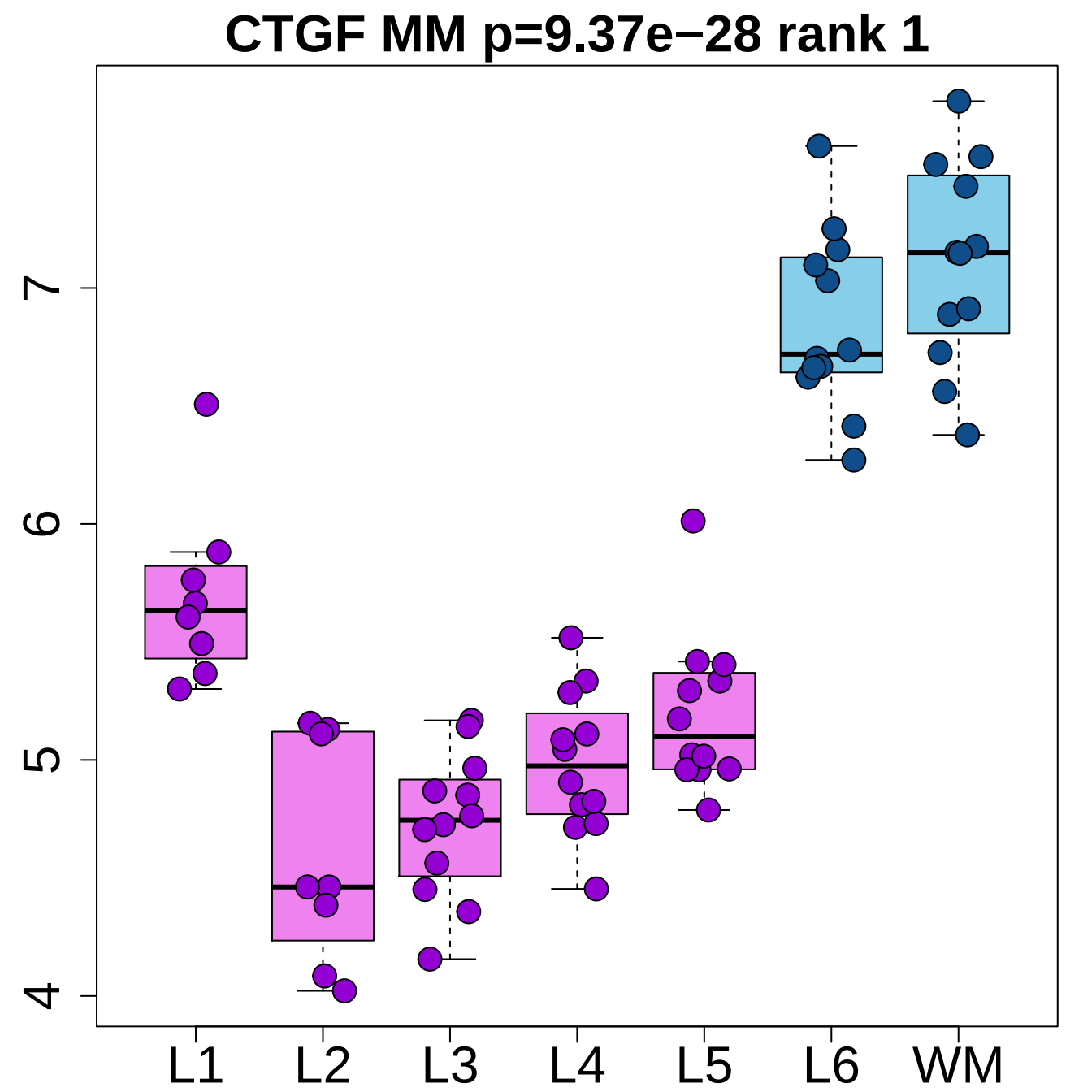
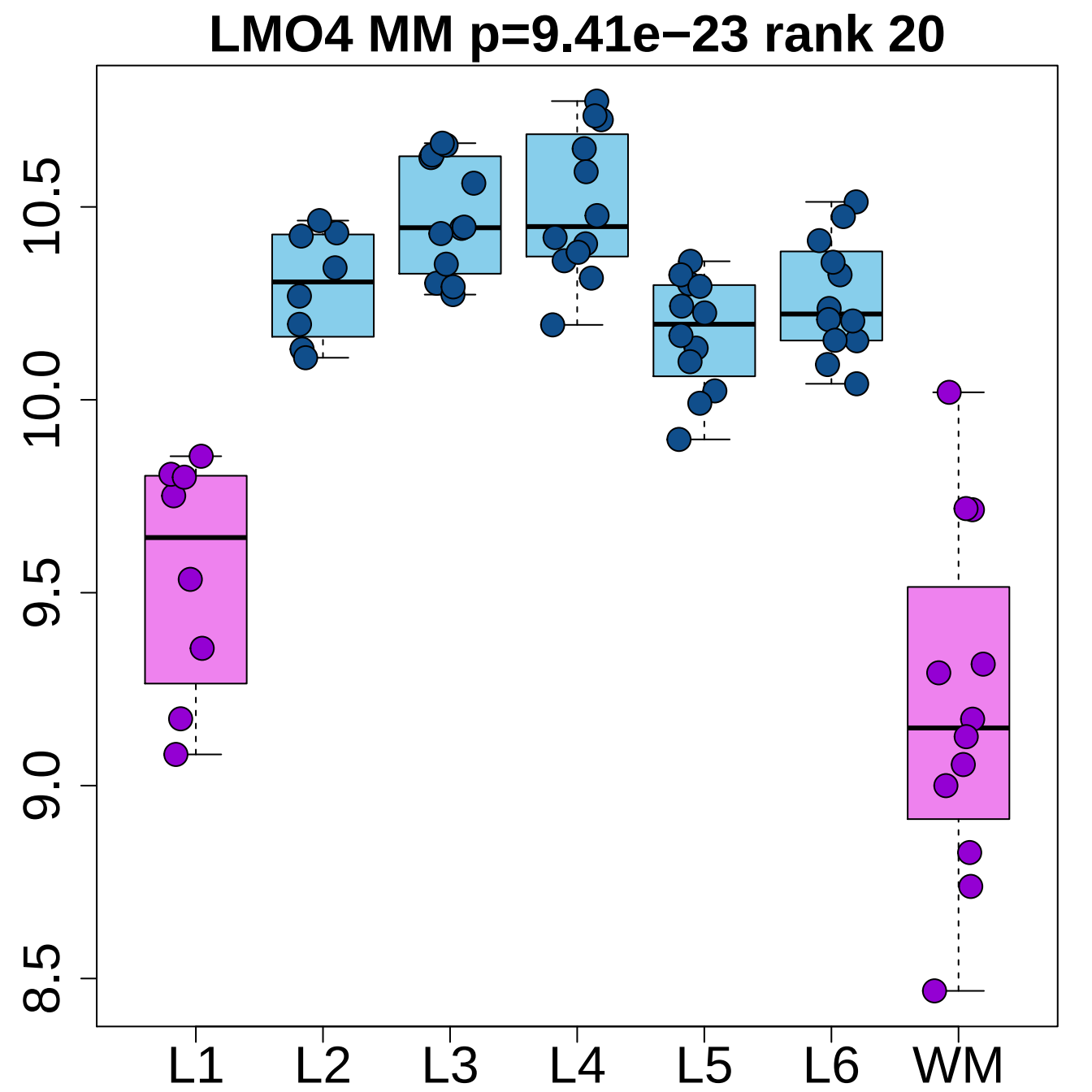

CTGF MM p=9.37e−28 rank 1
7
6
5
4
L1
L2
L3
L4
L5
L6
WM


LMO4 MM p=9.41e−23 rank 20
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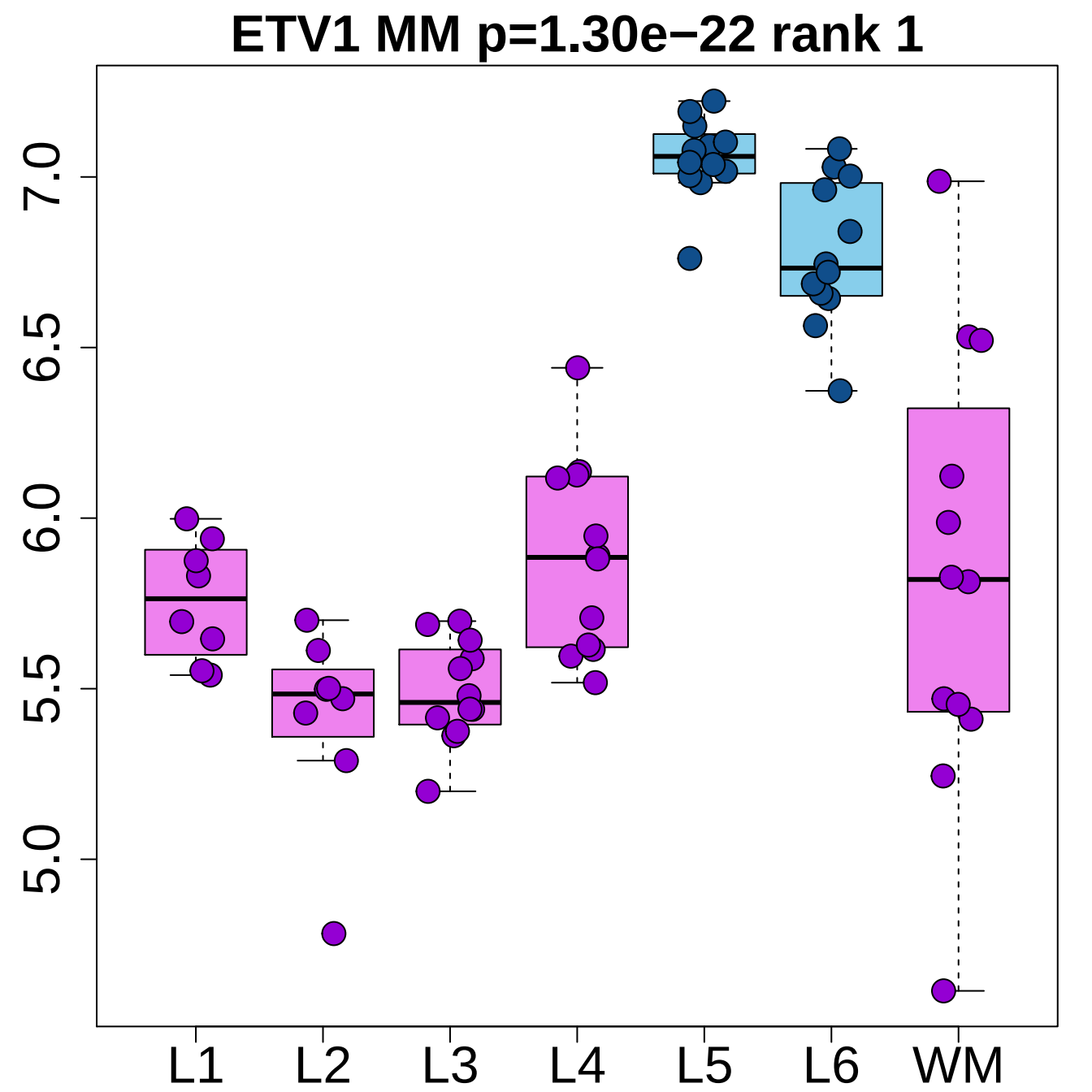
9.5
9.0
8.5
L1
L2
L3
L4
L5
L6
WM


ETV1 MM p=1.30e−22 rank 1
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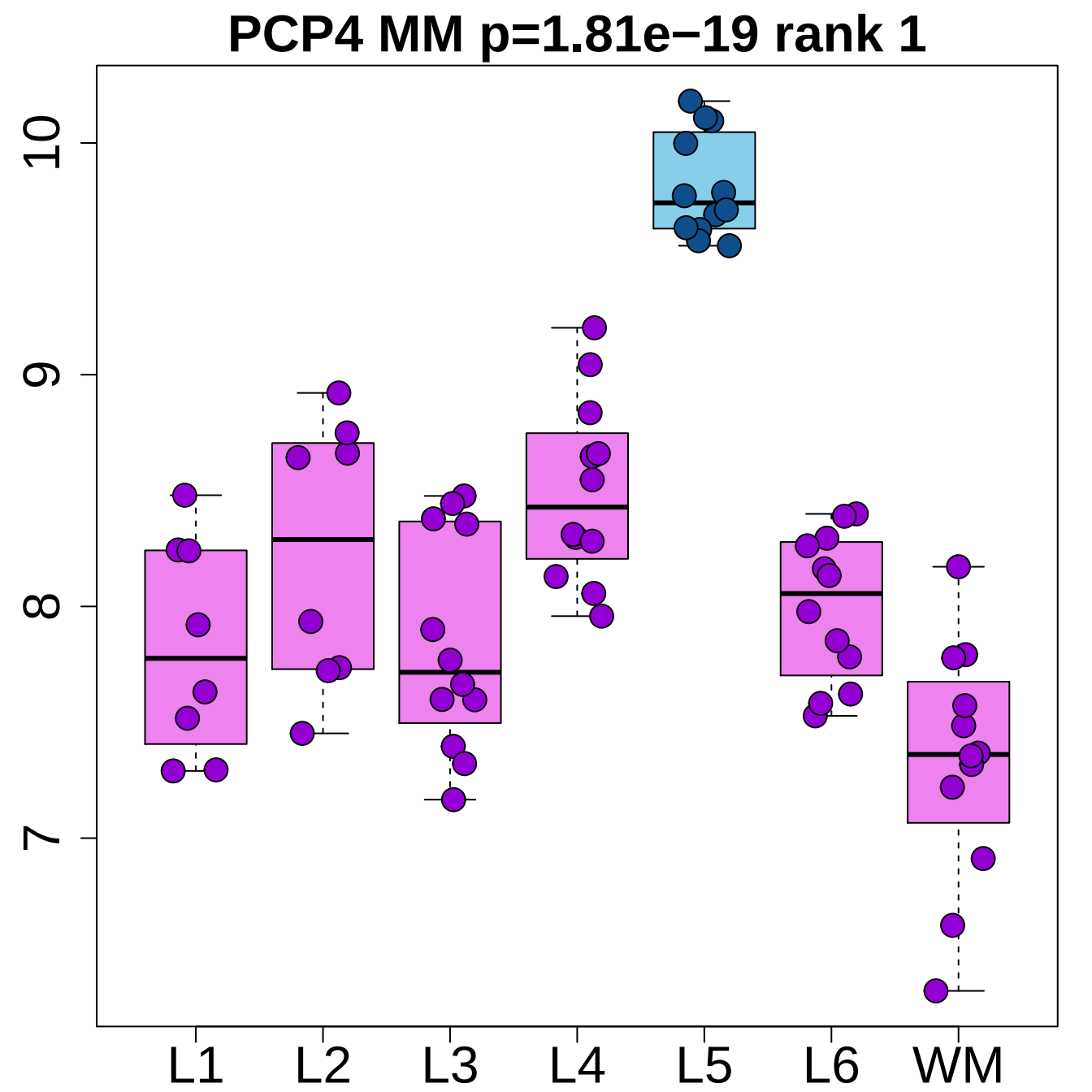
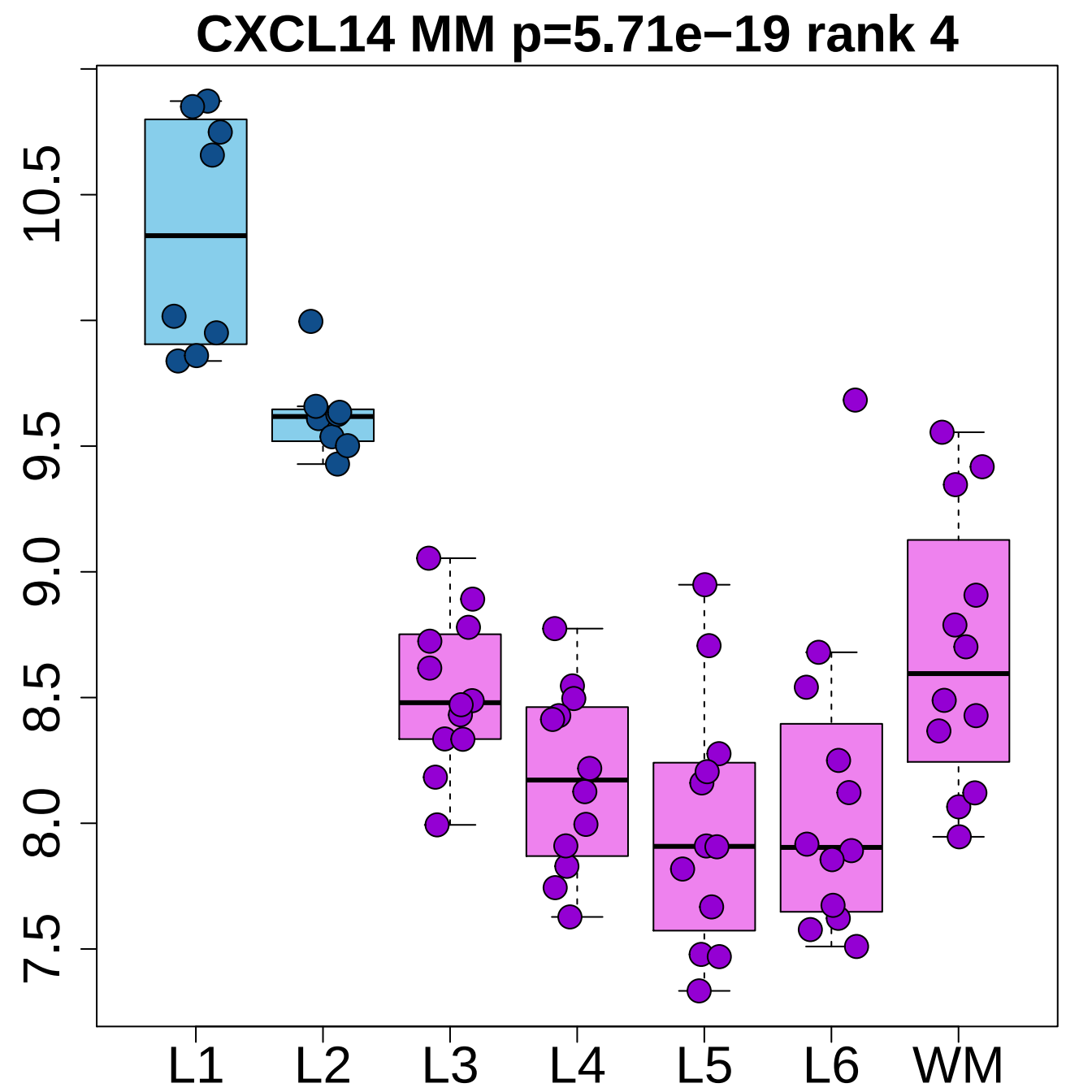
5.0
L1
L2
L3
L4
L5
L6
WM


PCP4 MM p=1.81e−19 rank 1
10
9
8
7
L1
L2
L3
L4
L5
L6
WM


CXCL14 MM p=5.71e−19 rank 4
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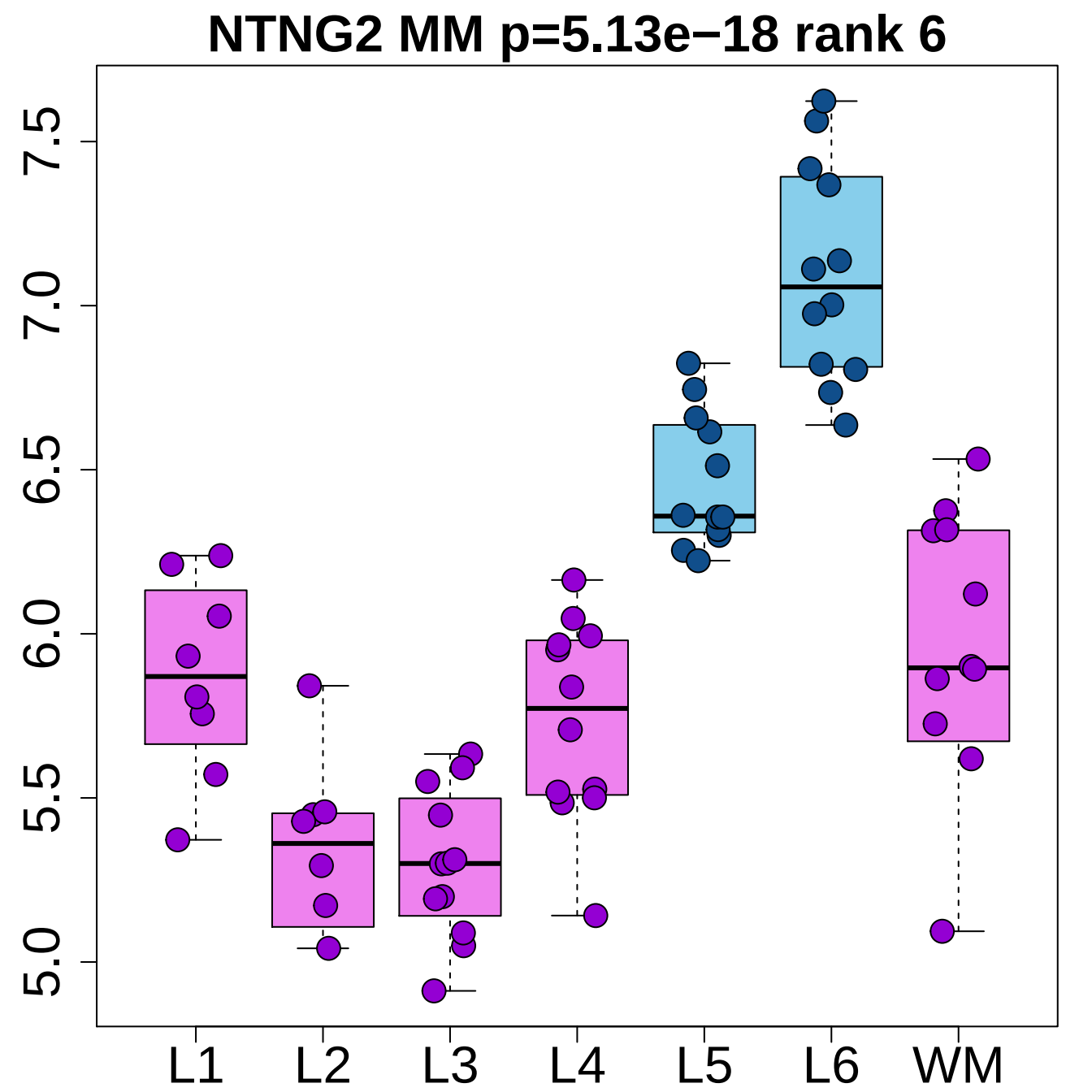
8.5
8.0
7.5
L1
L2
L3
L4
L5
L6
WM


NTNG2 MM p=5.13e−18 rank 6
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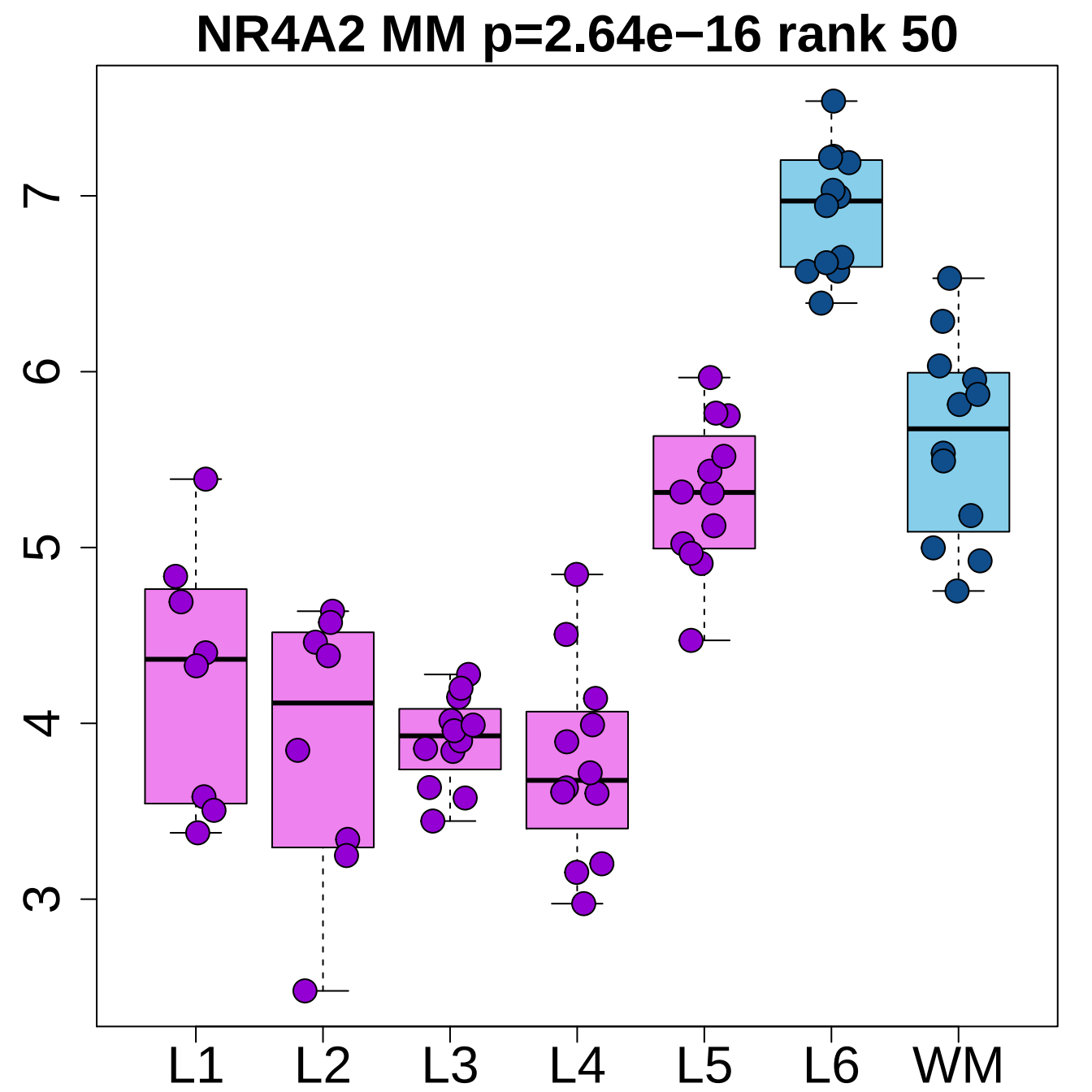
6.5
6.0
5.5
5.0
L1
L2
L3
L4
L5
L6
WM


NR4A2 MM p=2.64e−16 rank 50
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4
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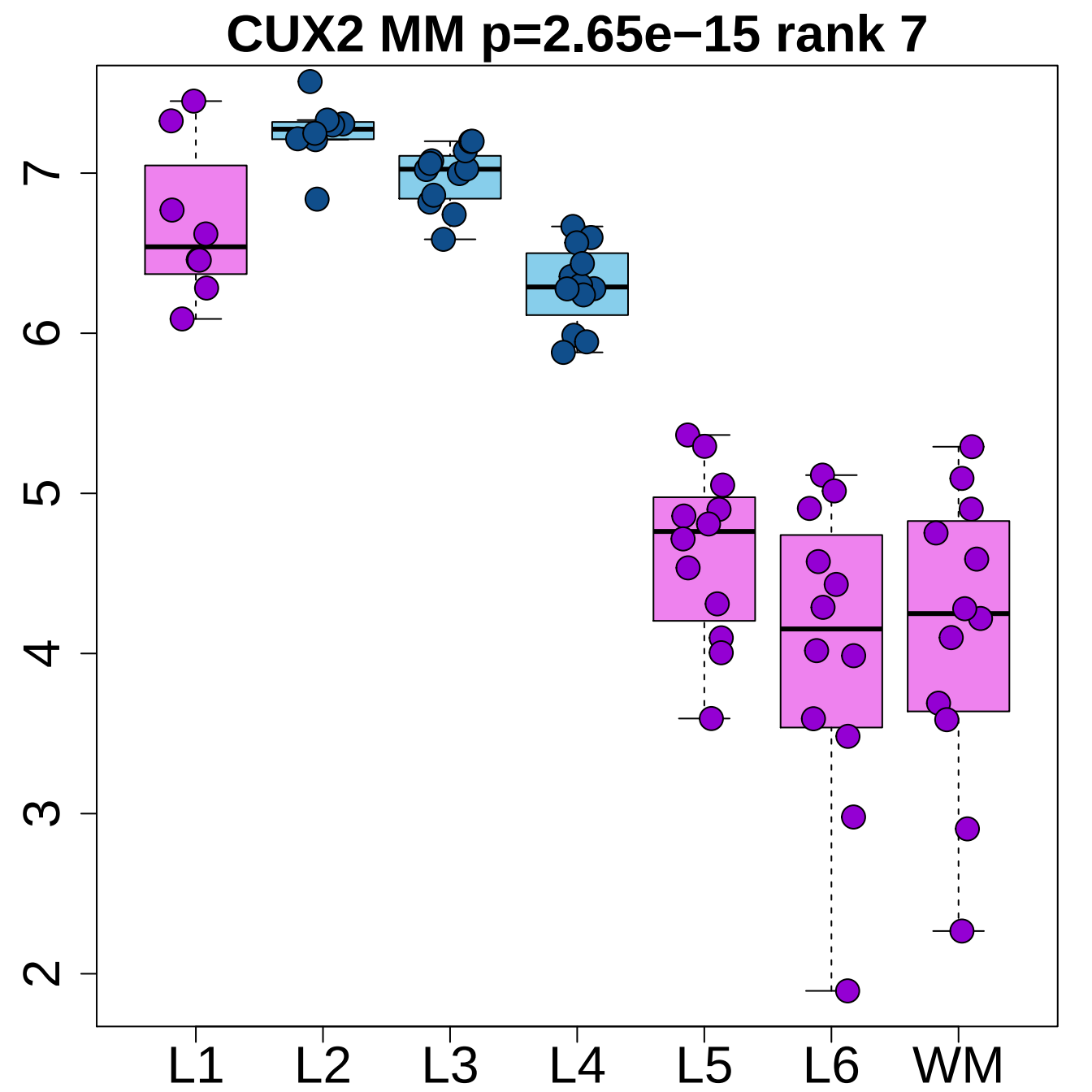
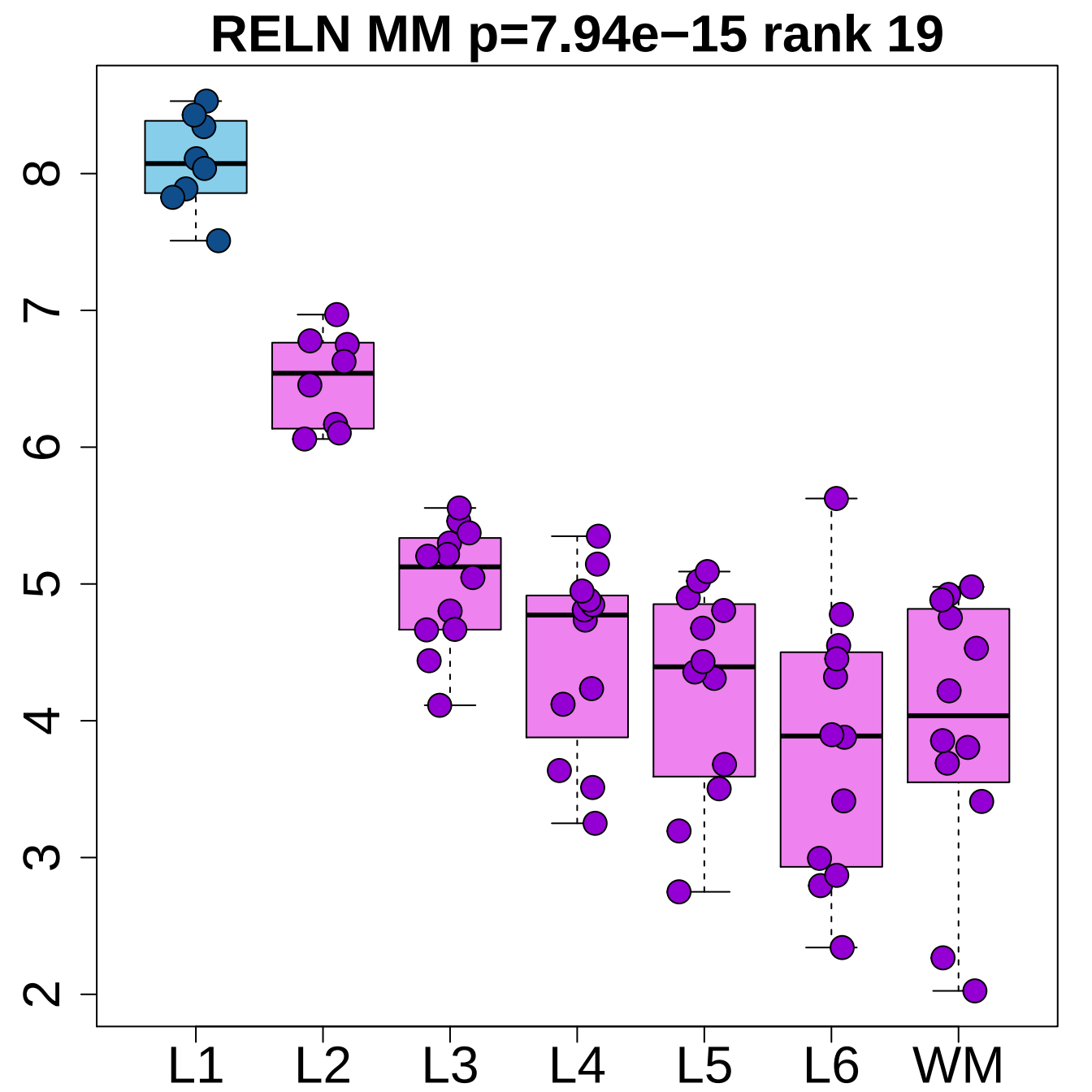
L1
L2
L3
L4
L5
L6
WM


CUX2 MM p=2.65e−15 rank 7
7
6
5
4
3
2
L1
L2
L3
L4
L5
L6
WM


RELN MM p=7.94e−15 rank 19
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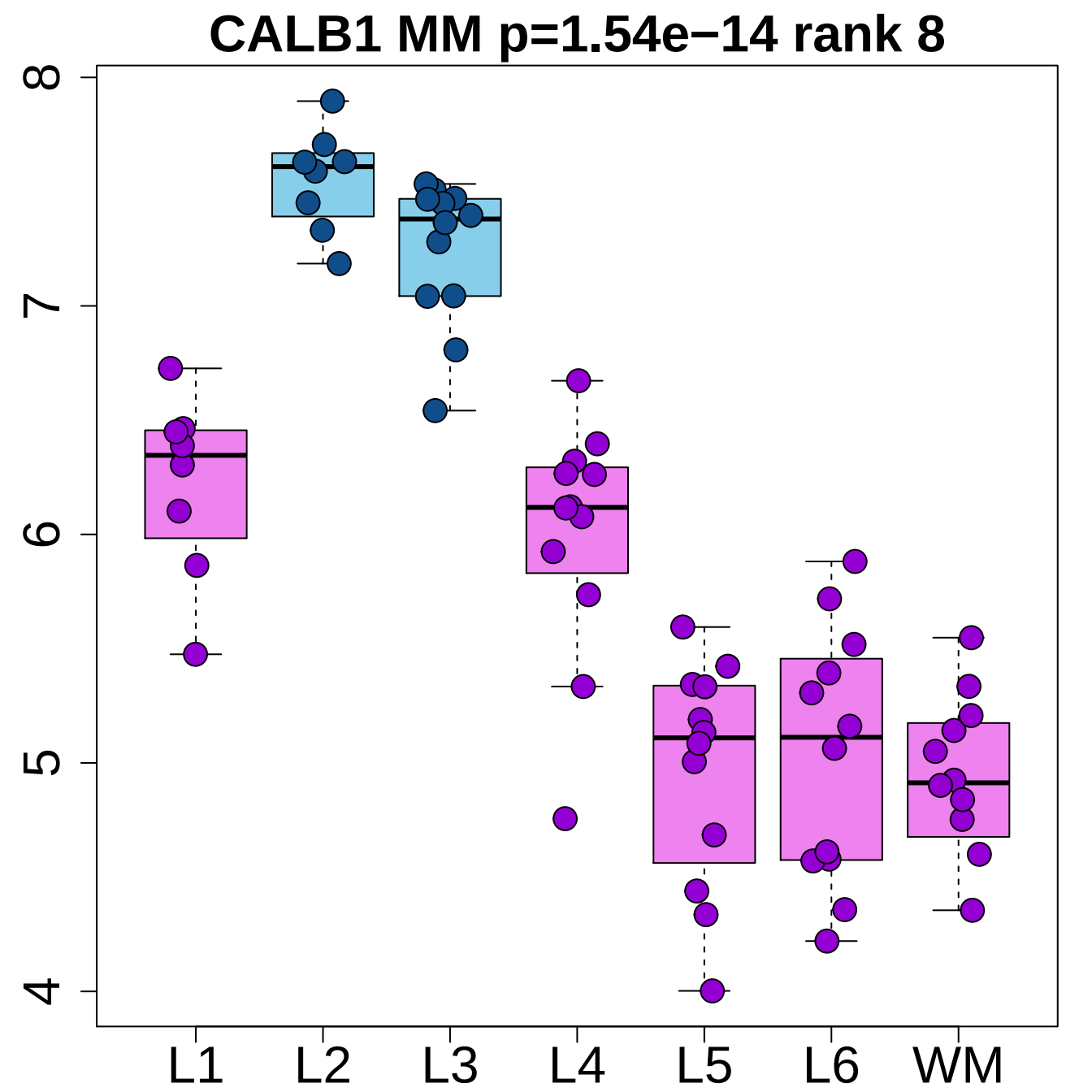
7
6
5
4
3
2
L1
L2
L3
L4
L5
L6
WM


CALB1 MM p=1.54e−14 rank 8
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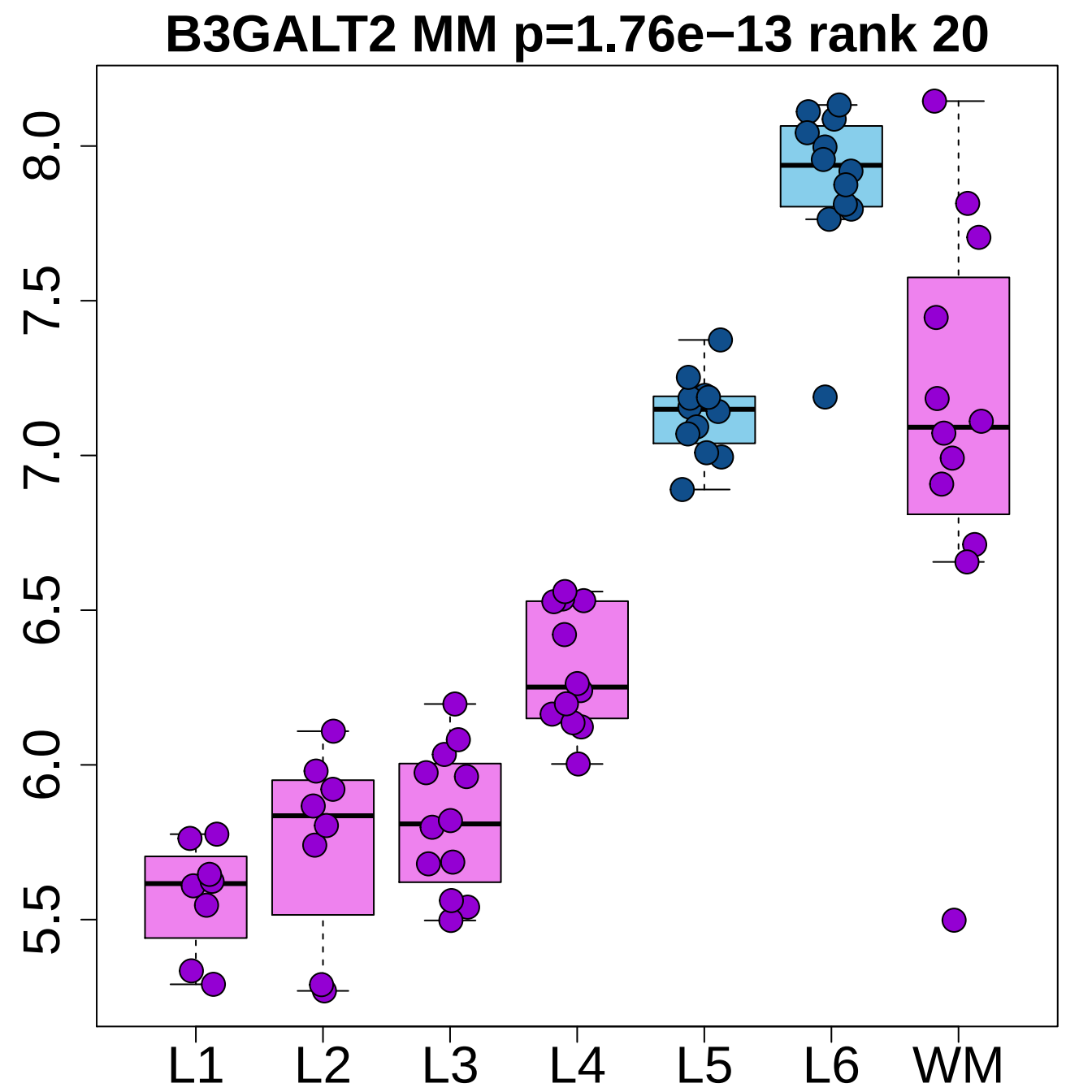
6
5
4
L1
L2
L3
L4
L5
L6
WM


B3GALT2 MM p=1.76e−13 rank 20
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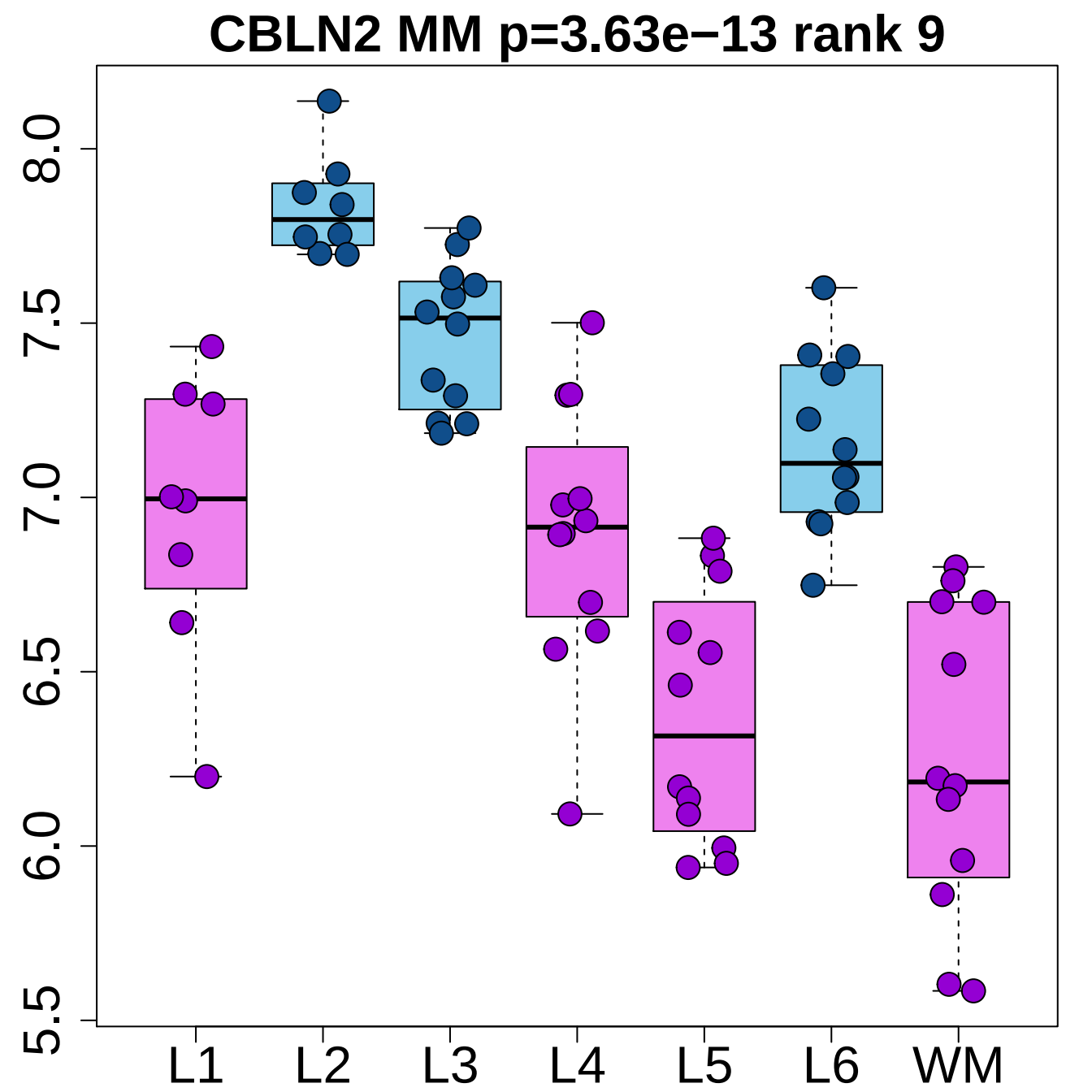
7.0
6.5
6.0
5.5
L1
L2
L3
L4
L5
L6
WM


CBLN2 MM p=3.63e−13 rank 9
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7.0
6.5
6.0
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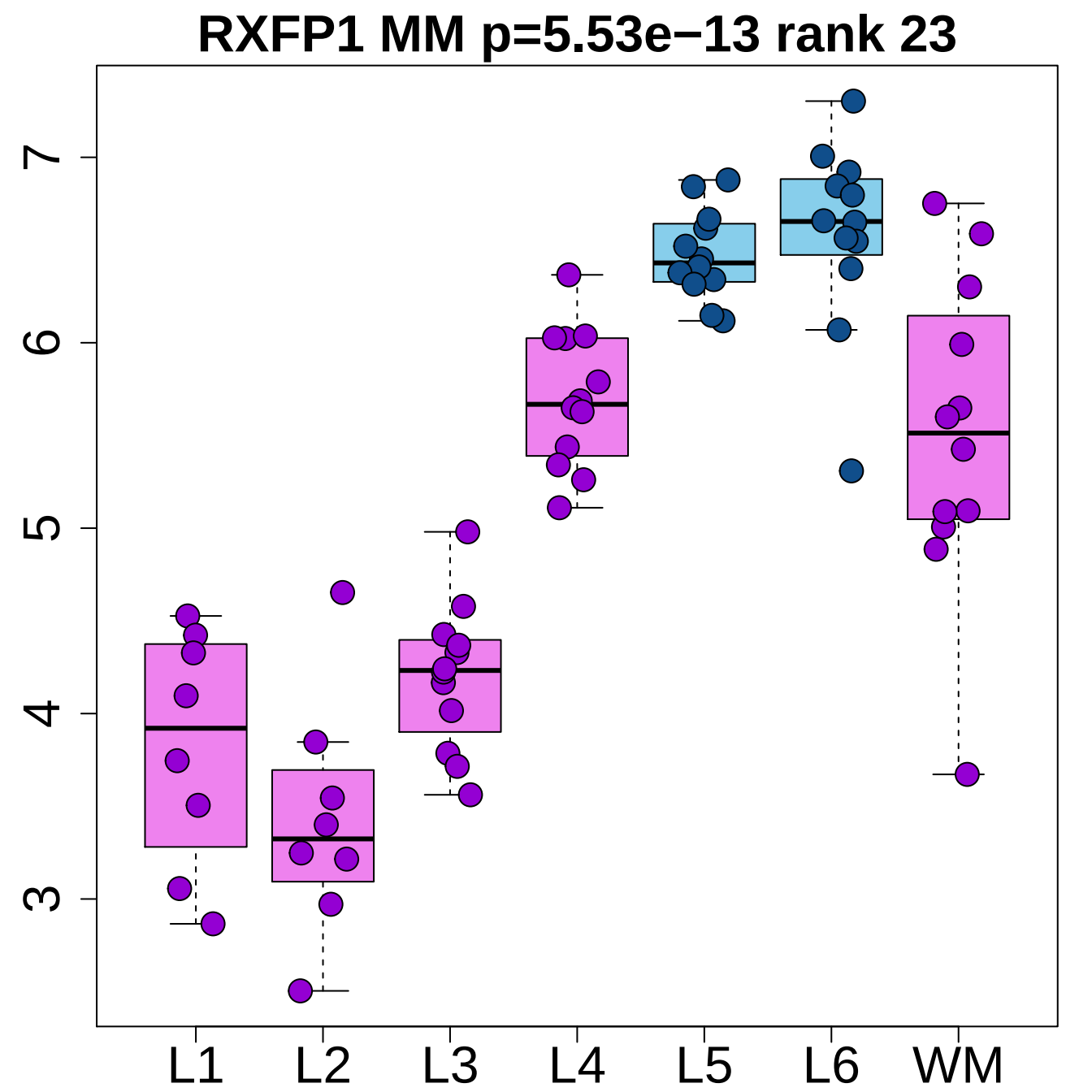
L1
L2
L3
L4
L5
L6
WM


RXFP1 MM p=5.53e−13 rank 23
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6
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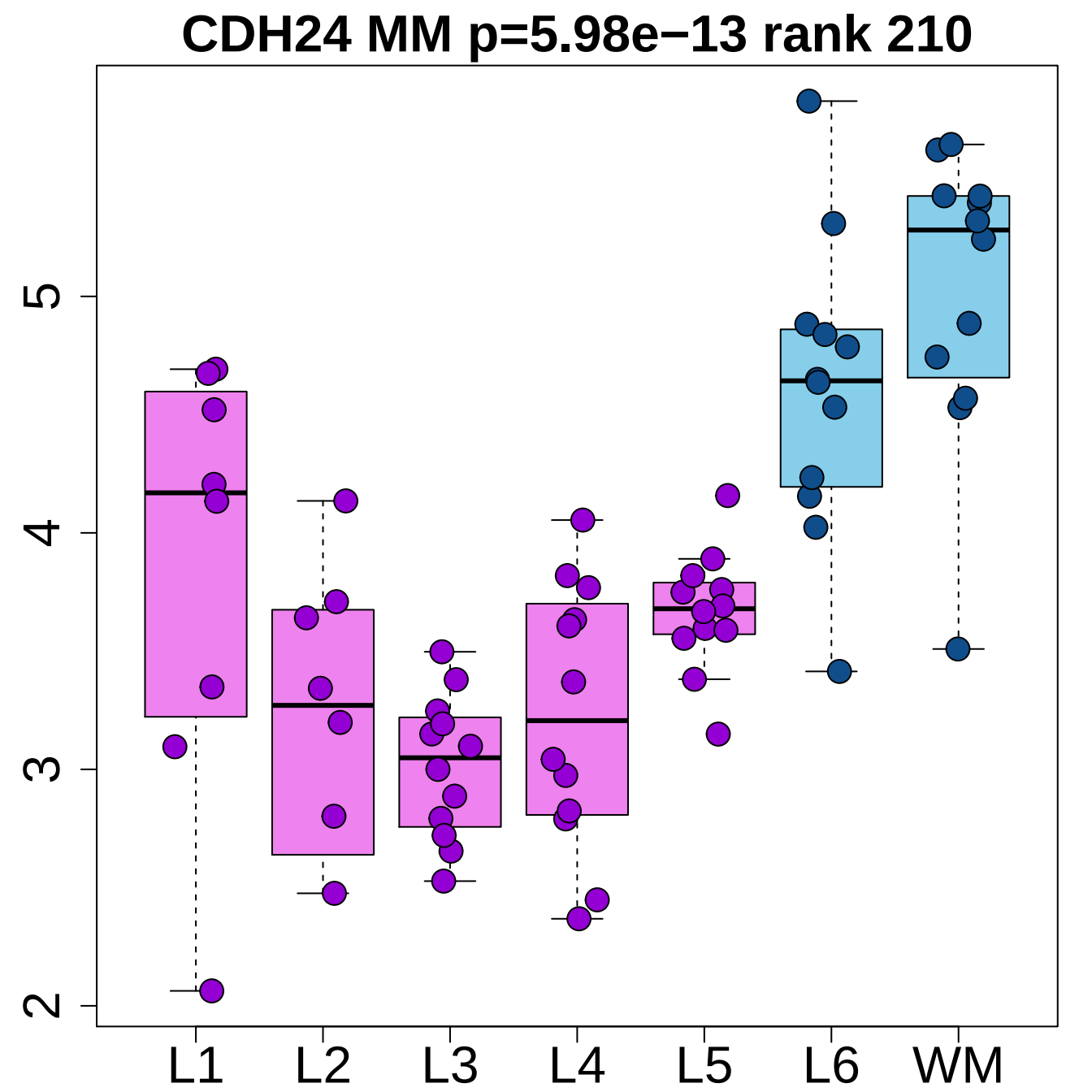
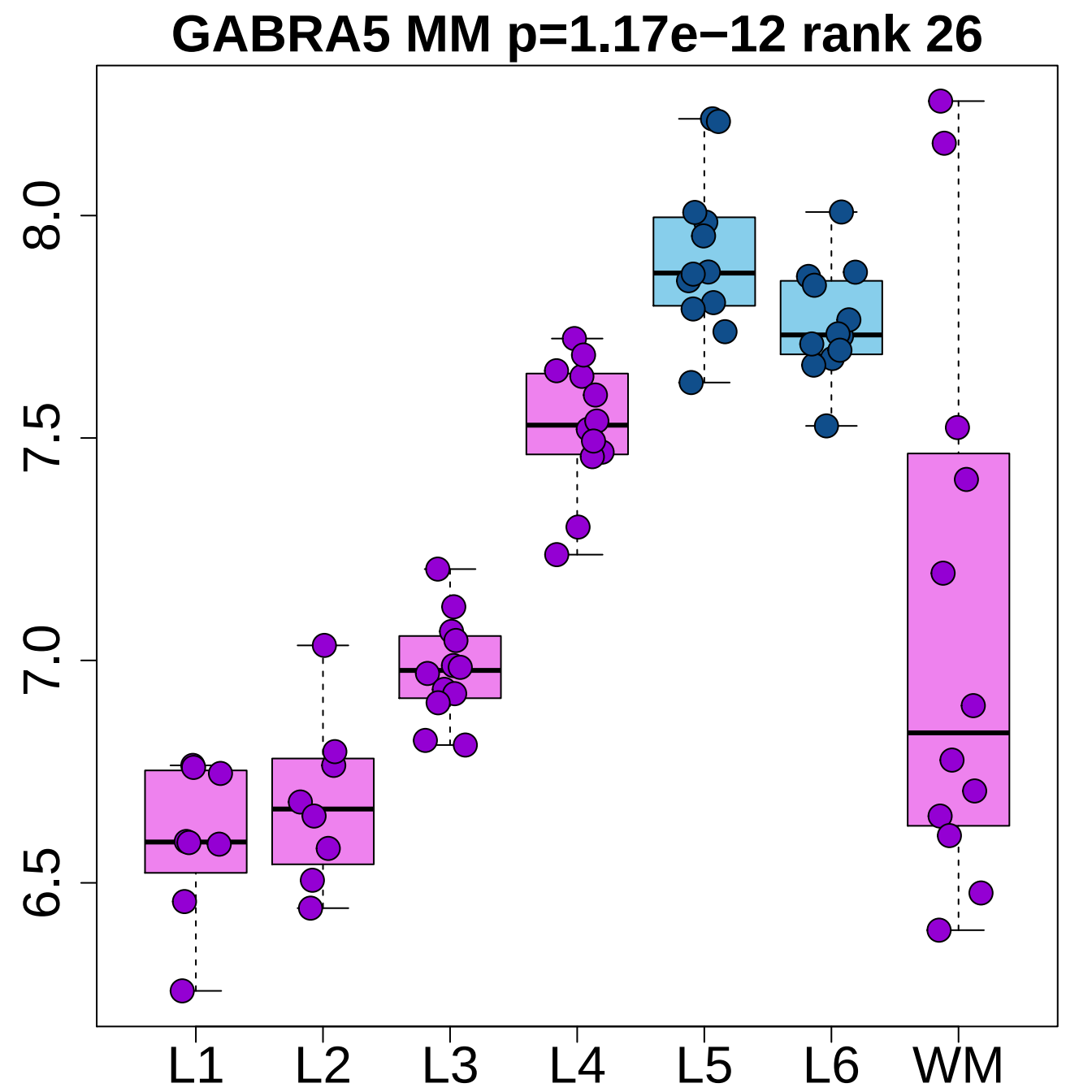
4
3
L1
L2
L3
L4
L5
L6
WM


CDH24 MM p=5.98e−13 rank 210
2
3
4
5
L1
L2
L3
L4
L5
L6
WM


GABRA5 MM p=1.17e−12 rank 26
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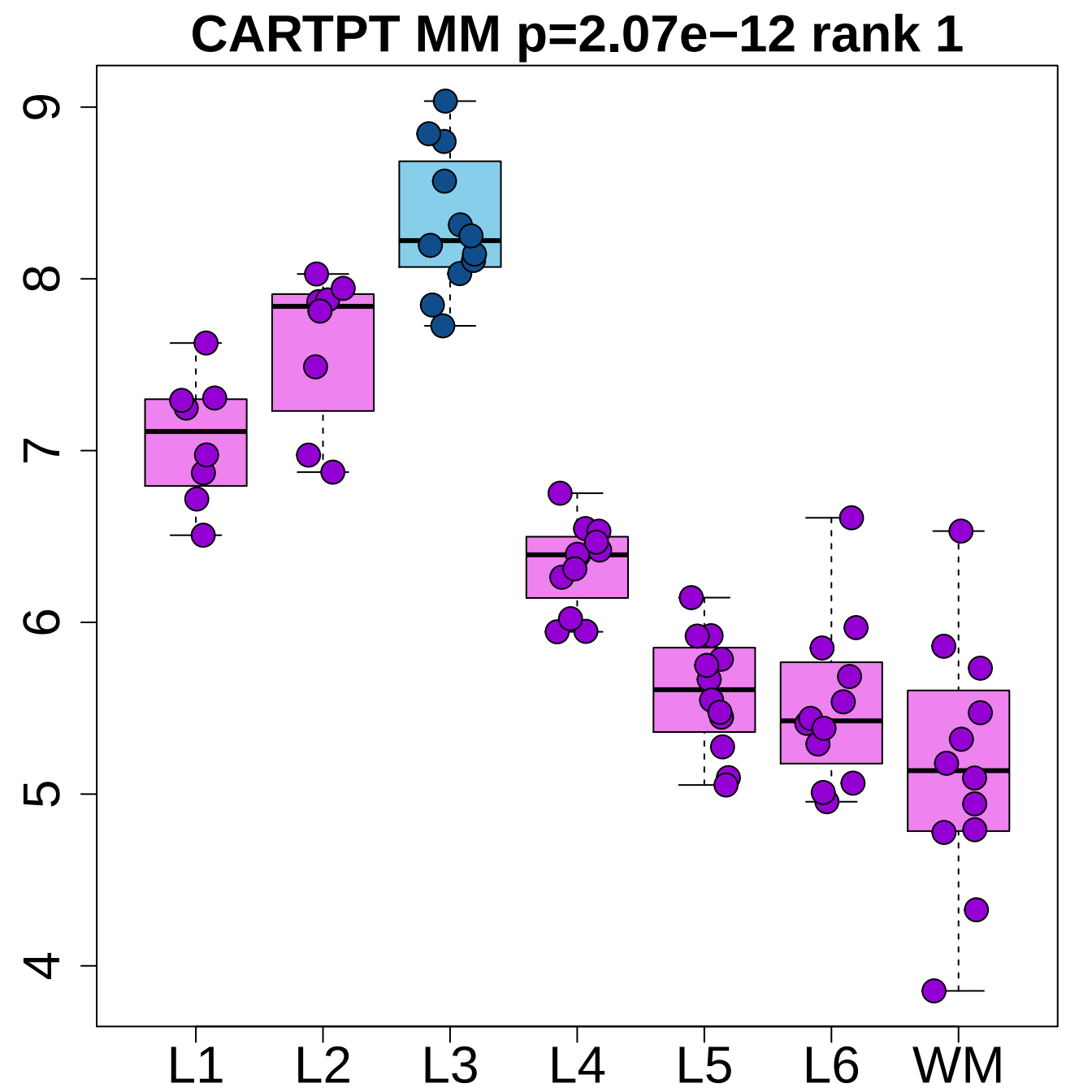
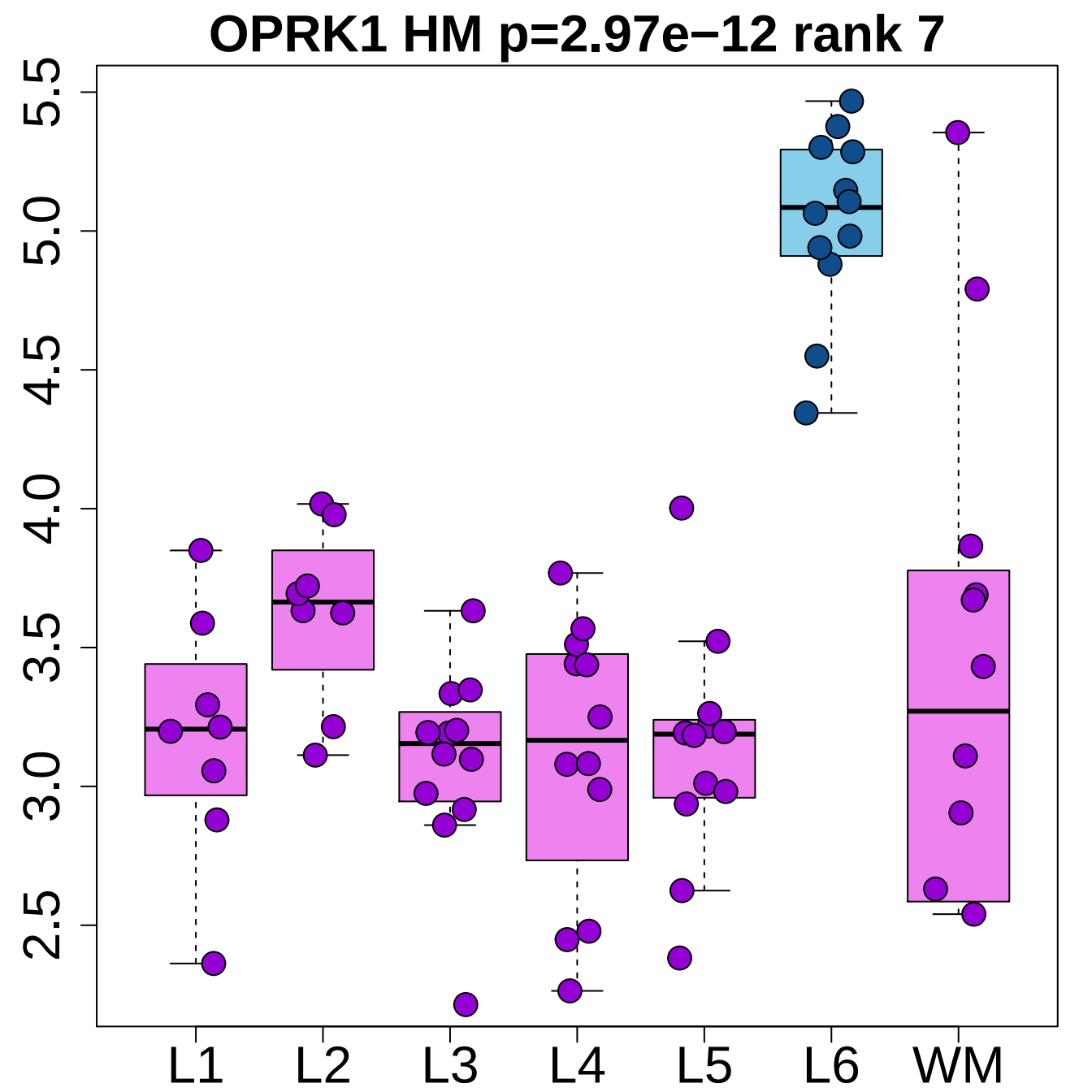
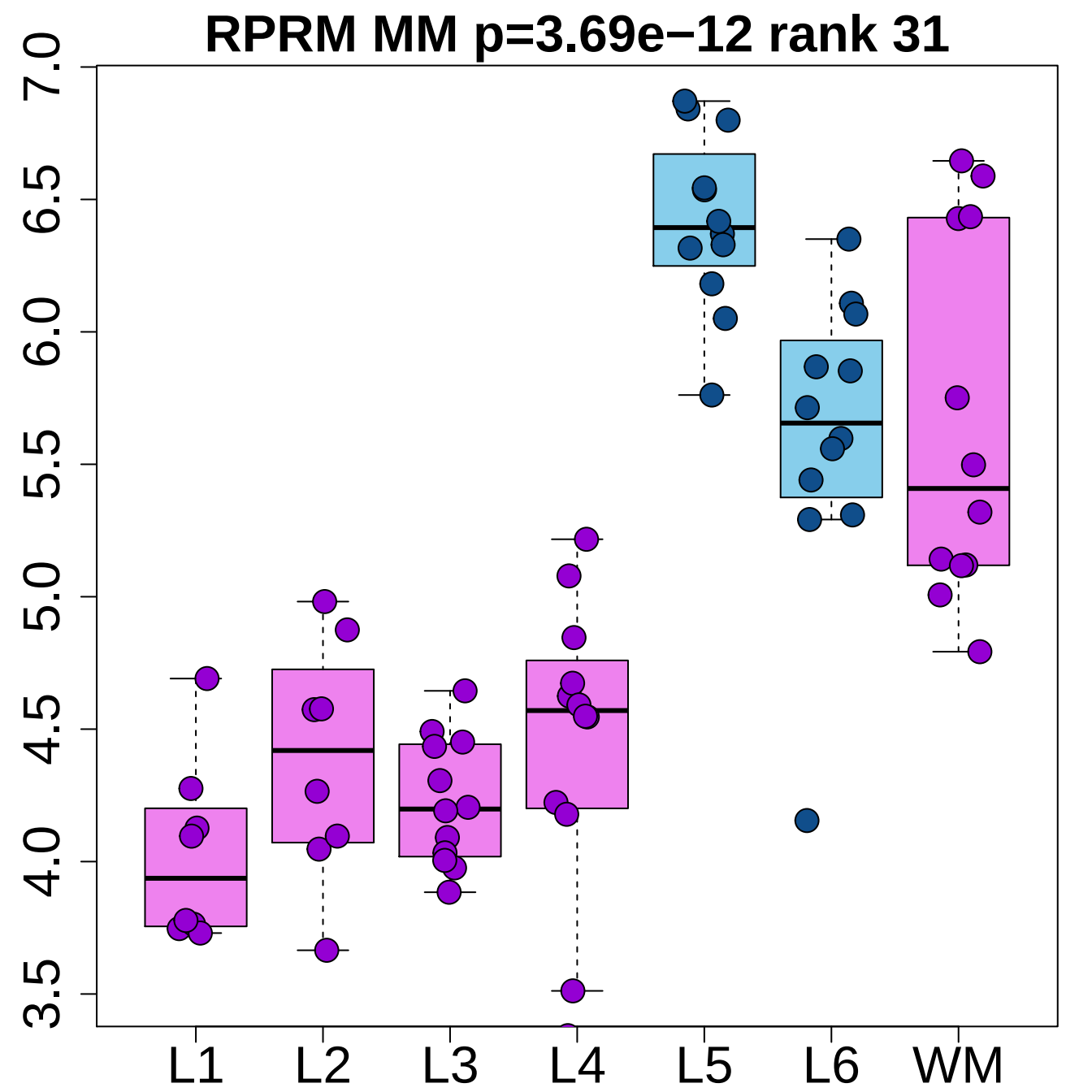
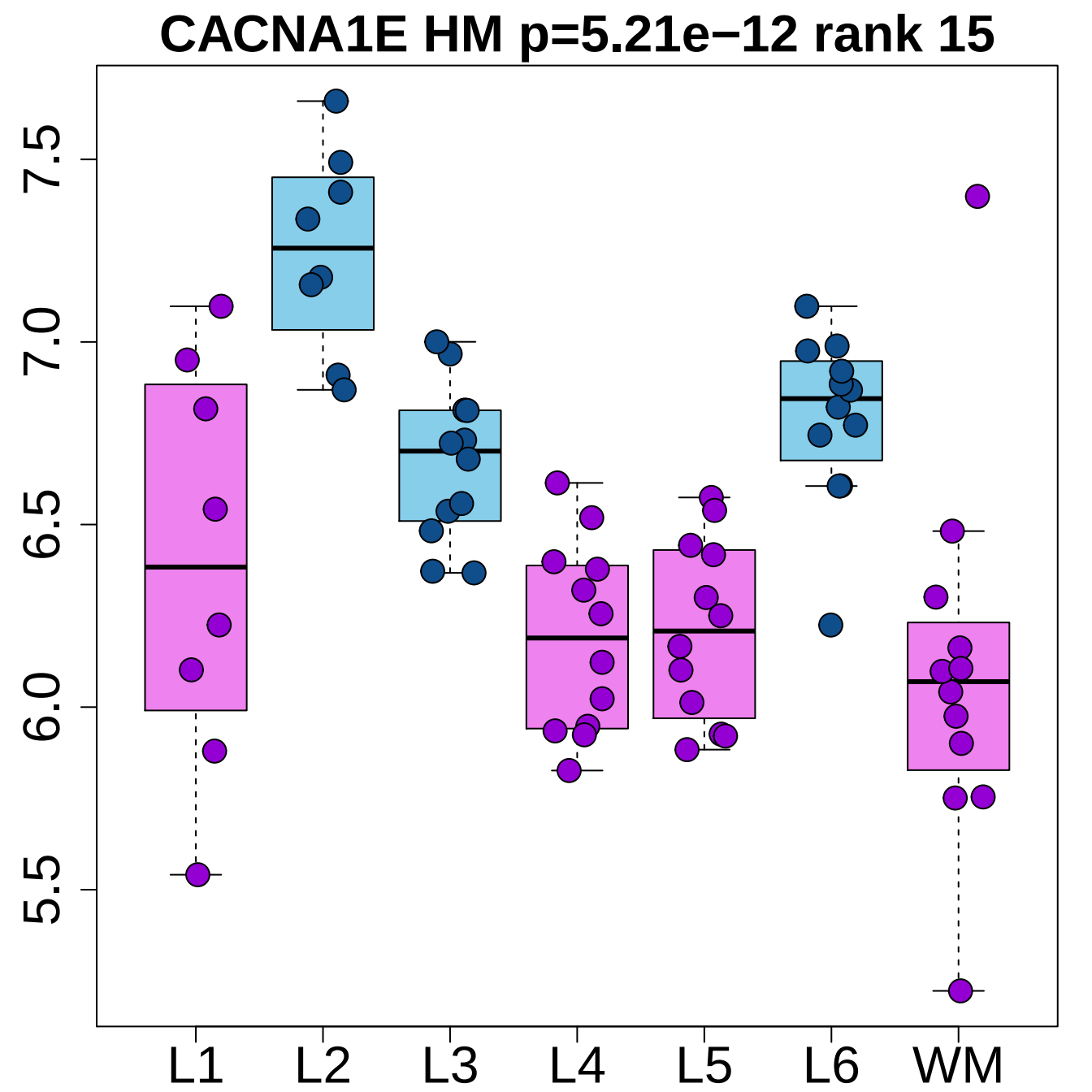
7.5
7.0
6.5
L1
L2
L3
L4
L5
L6
WM


CARTPT MM p=2.07e−12 rank 1
9
8
7
6
5
4
L1
L2
L3
L4
L5
L6
WM


OPRK1 HM p=2.97e−12 rank 7
5.5
5.0
4.5
4.0
3.5
3.0
2.5
L1
L2
L3
L4
L5
L6
WM


RPRM MM p=3.69e−12 rank 31
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
L1
L2
L3
L4
L5
L6
WM


CACNA1E HM p=5.21e−12 rank 15
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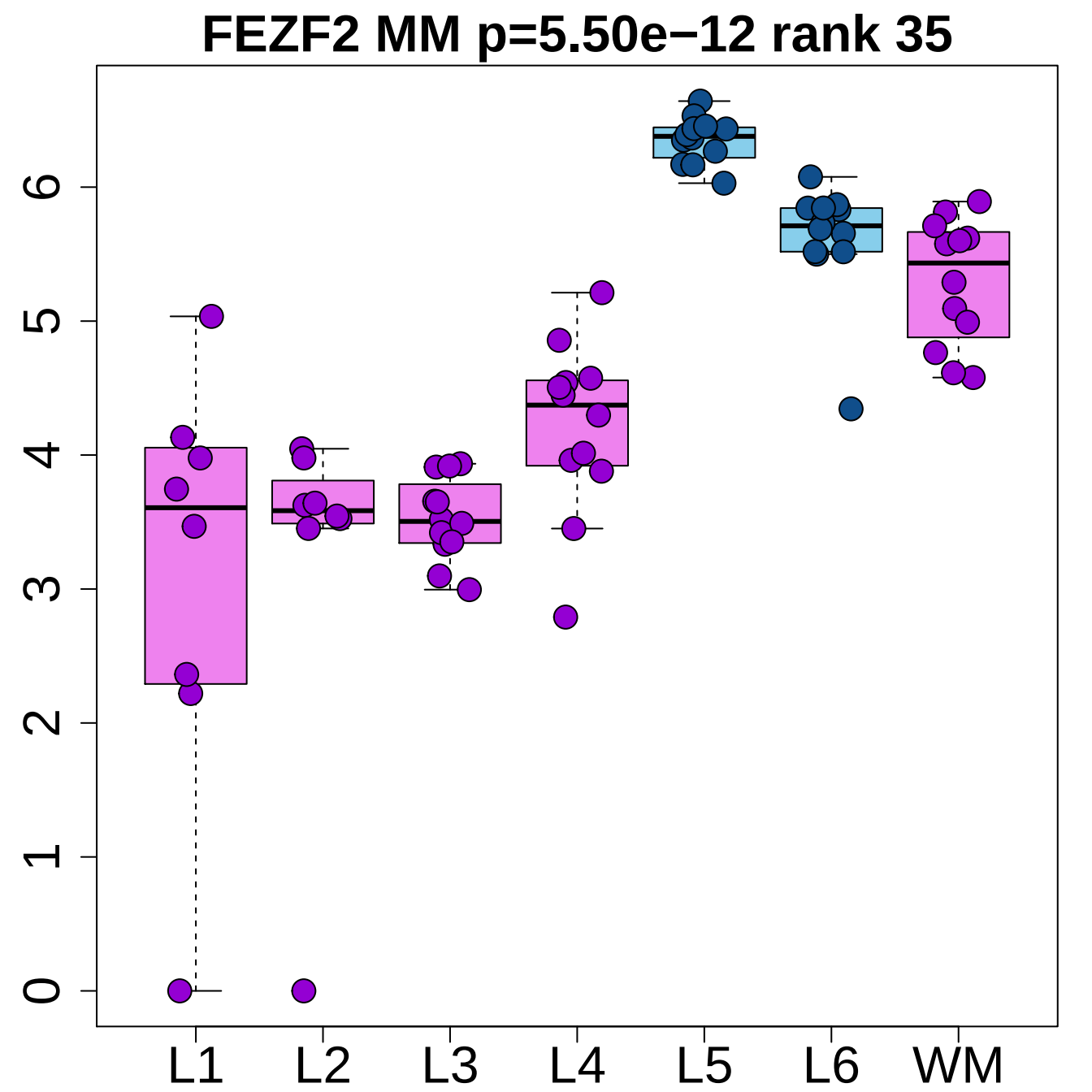
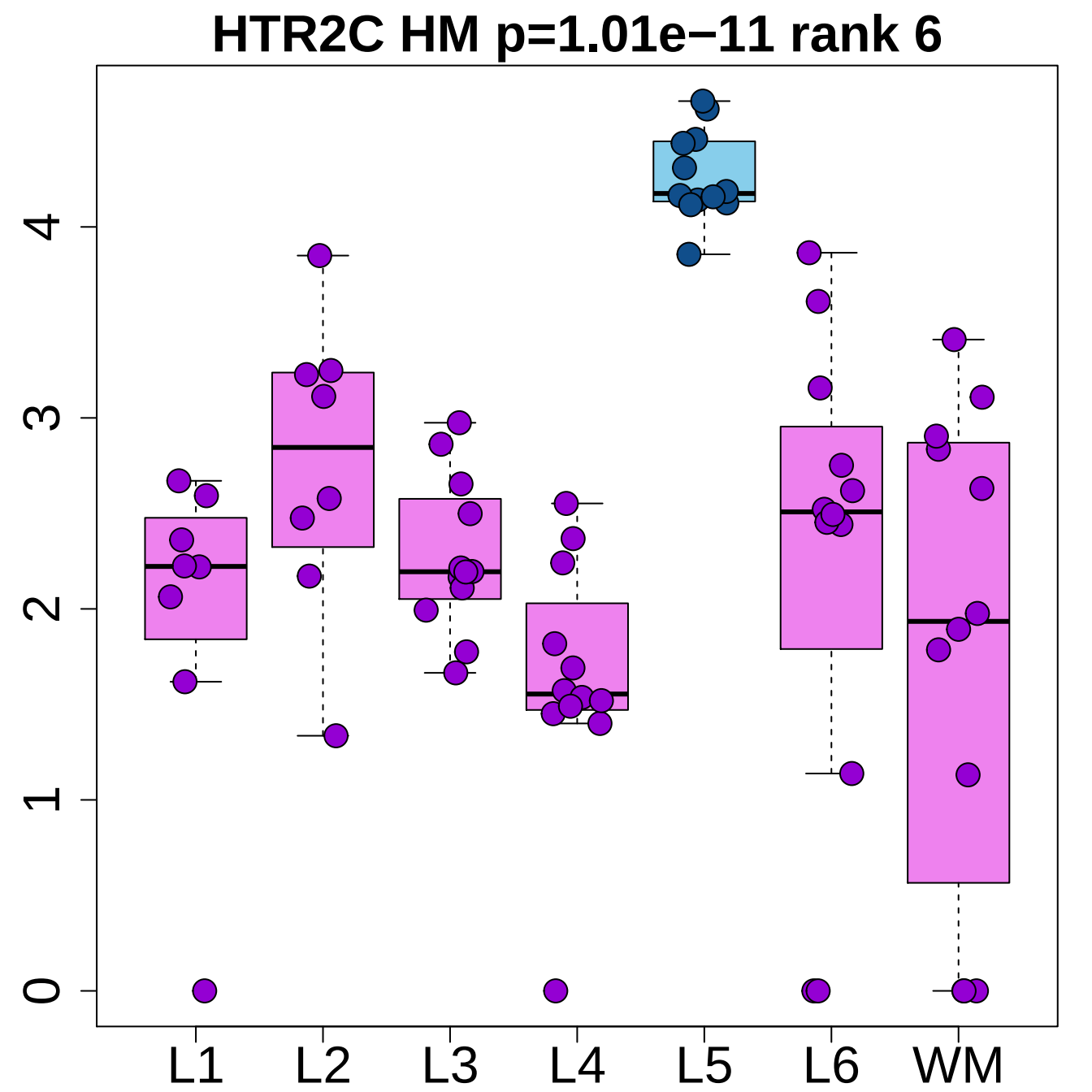
6.0
5.5
L1
L2
L3
L4
L5
L6
WM


FEZF2 MM p=5.50e−12 rank 35
0
1
2
3
4
5
6
L1
L2
L3
L4
L5
L6
WM


HTR2C HM p=1.01e−11 rank 6
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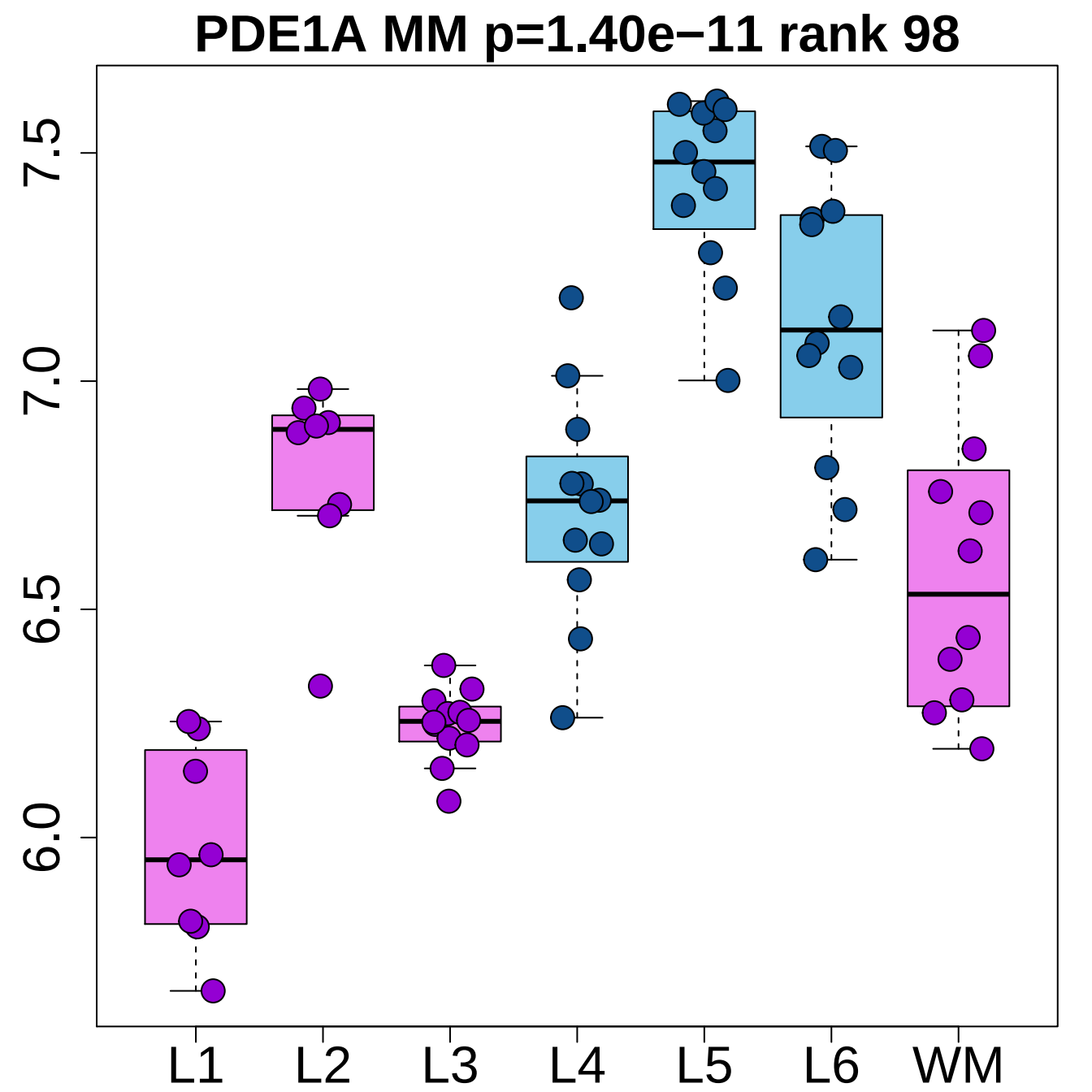
2
3
4
L1
L2
L3
L4
L5
L6
WM


PDE1A MM p=1.40e−11 rank 98
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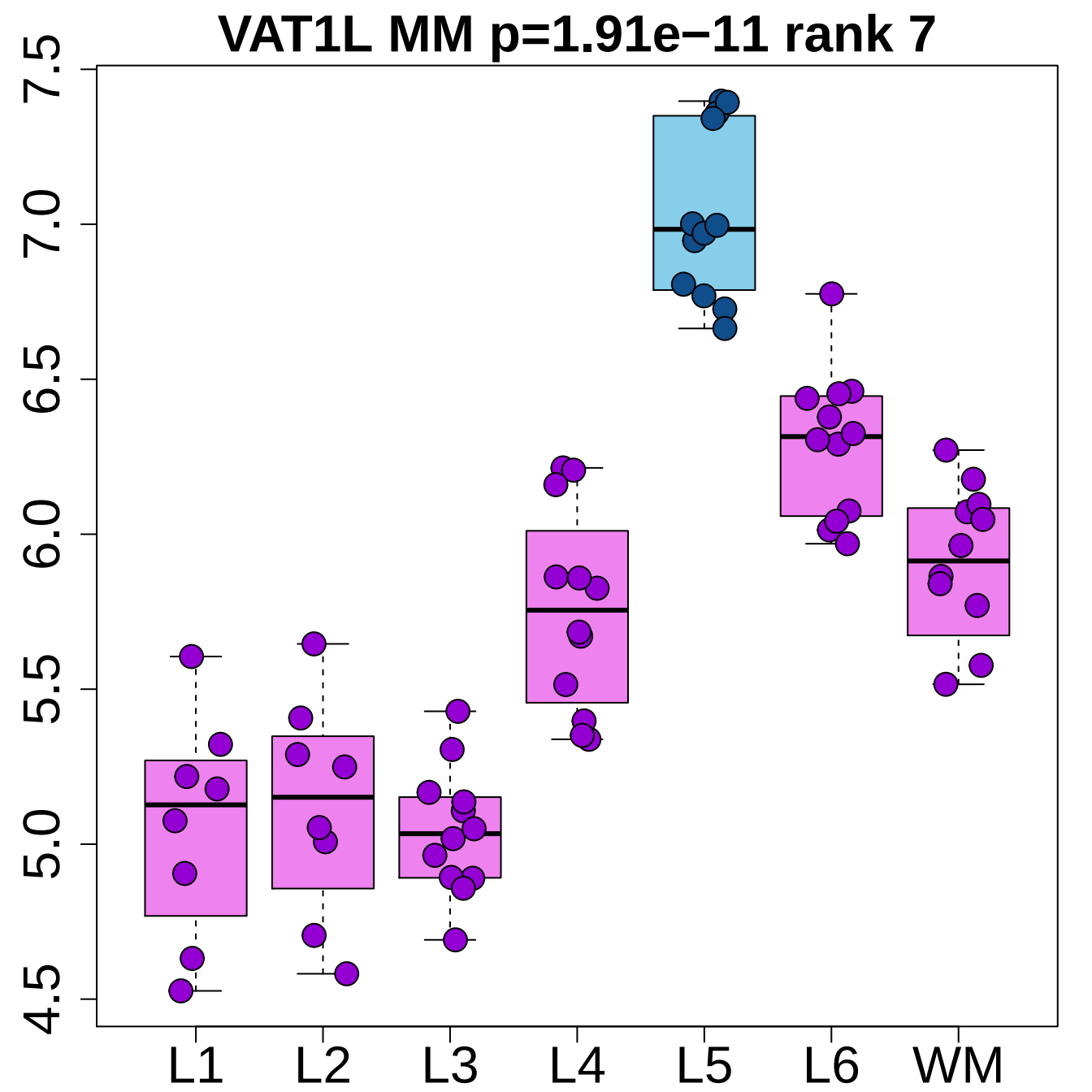
7.0
6.5
6.0
L1
L2
L3
L4
L5
L6
WM


VAT1L MM p=1.91e−11 rank 7
7.5
7.0
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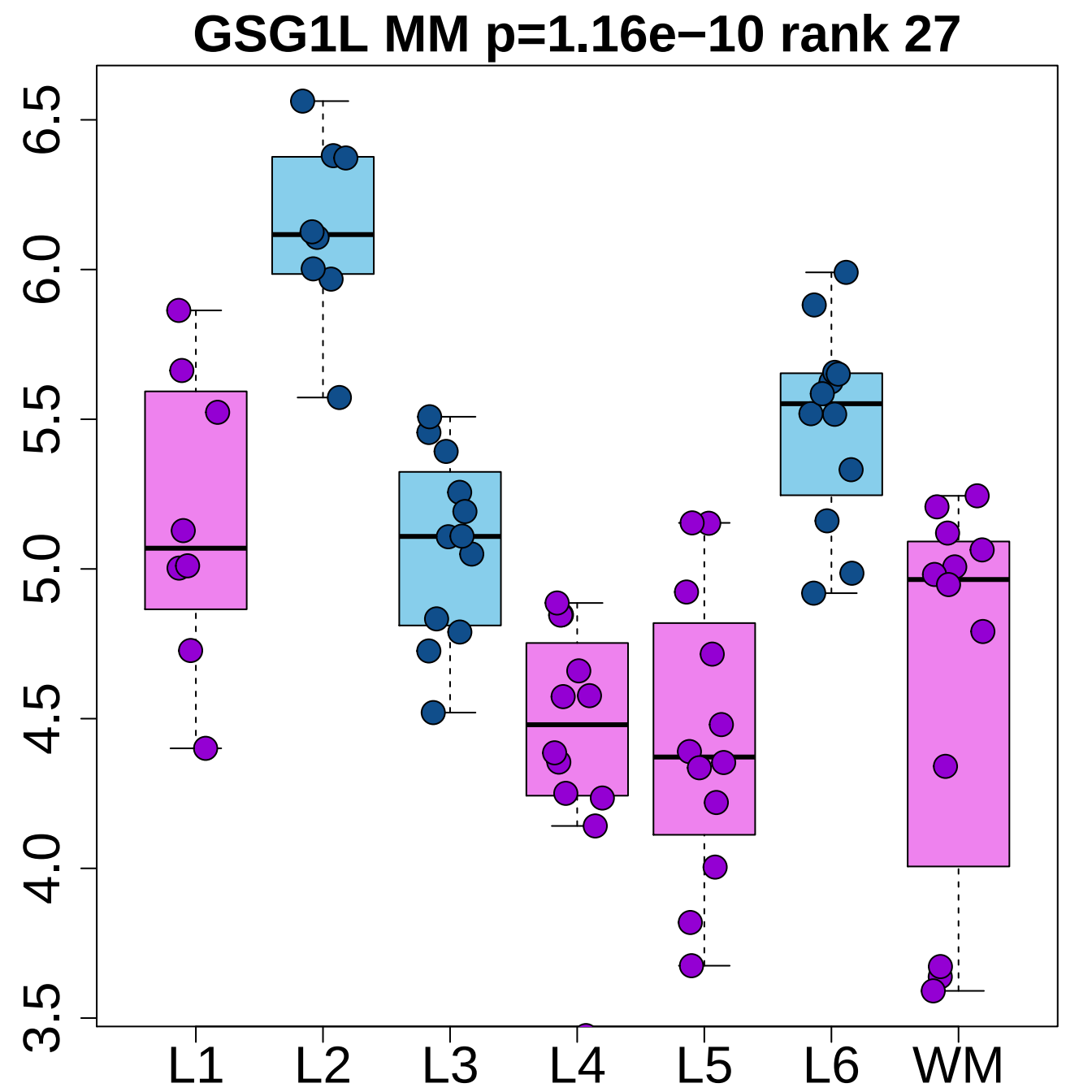
6.0
5.5
5.0
4.5
L1
L2
L3
L4
L5
L6
WM


GSG1L MM p=1.16e−10 rank 27
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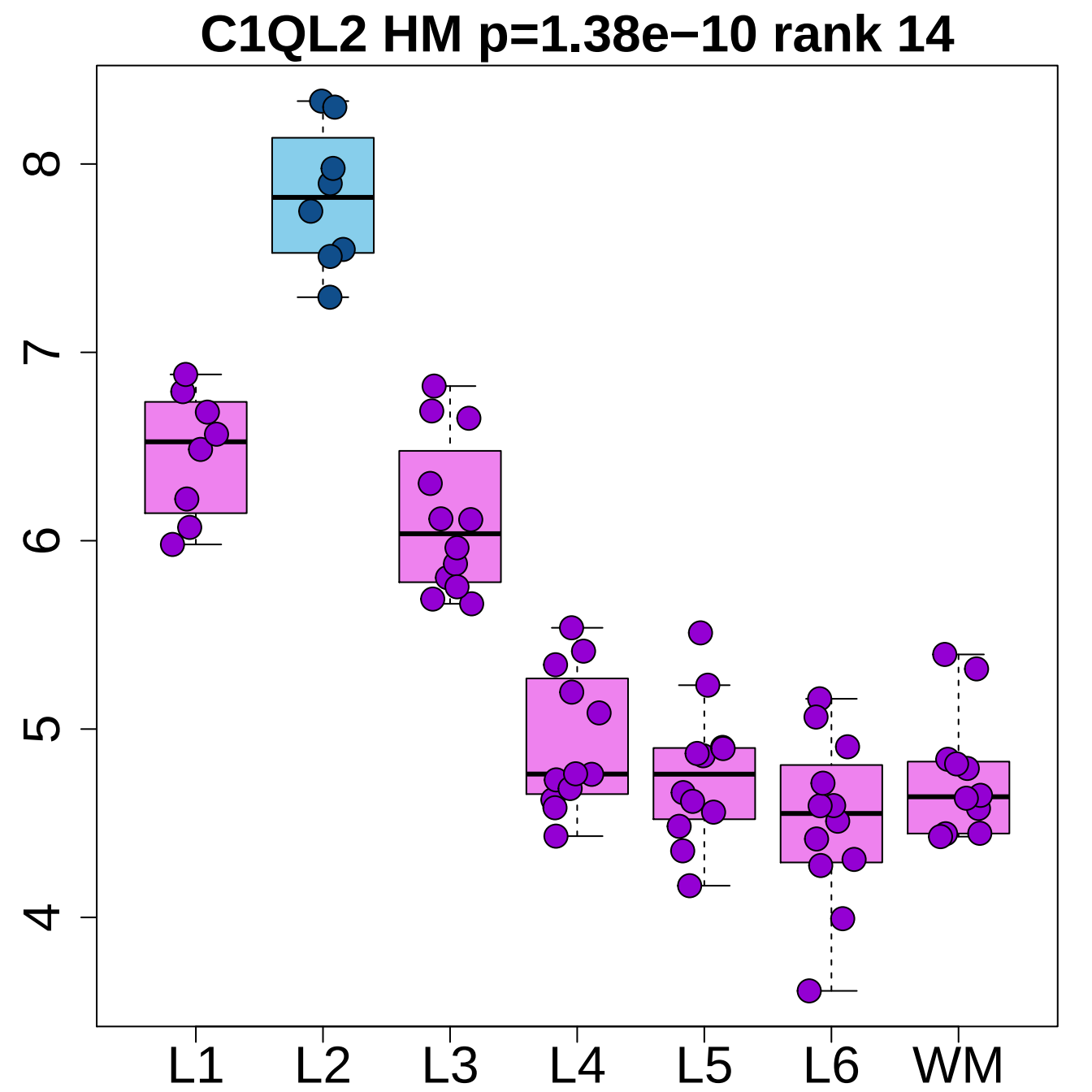
5.5
5.0
4.5
4.0
3.5
L1
L2
L3
L4
L5
L6
WM


C1QL2 HM p=1.38e−10 rank 14
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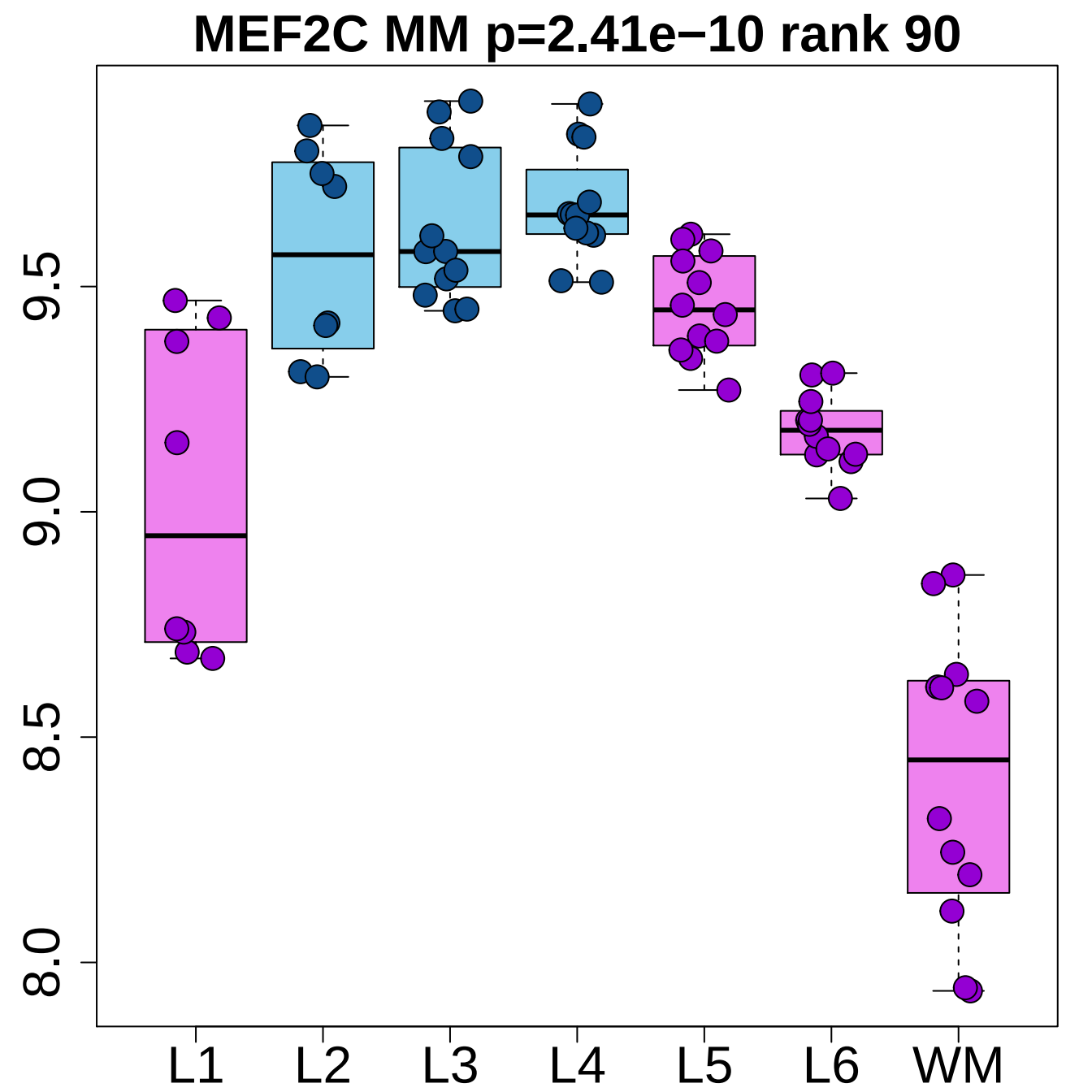
7
6
5
4
L1
L2
L3
L4
L5
L6
WM


MEF2C MM p=2.41e−10 rank 90
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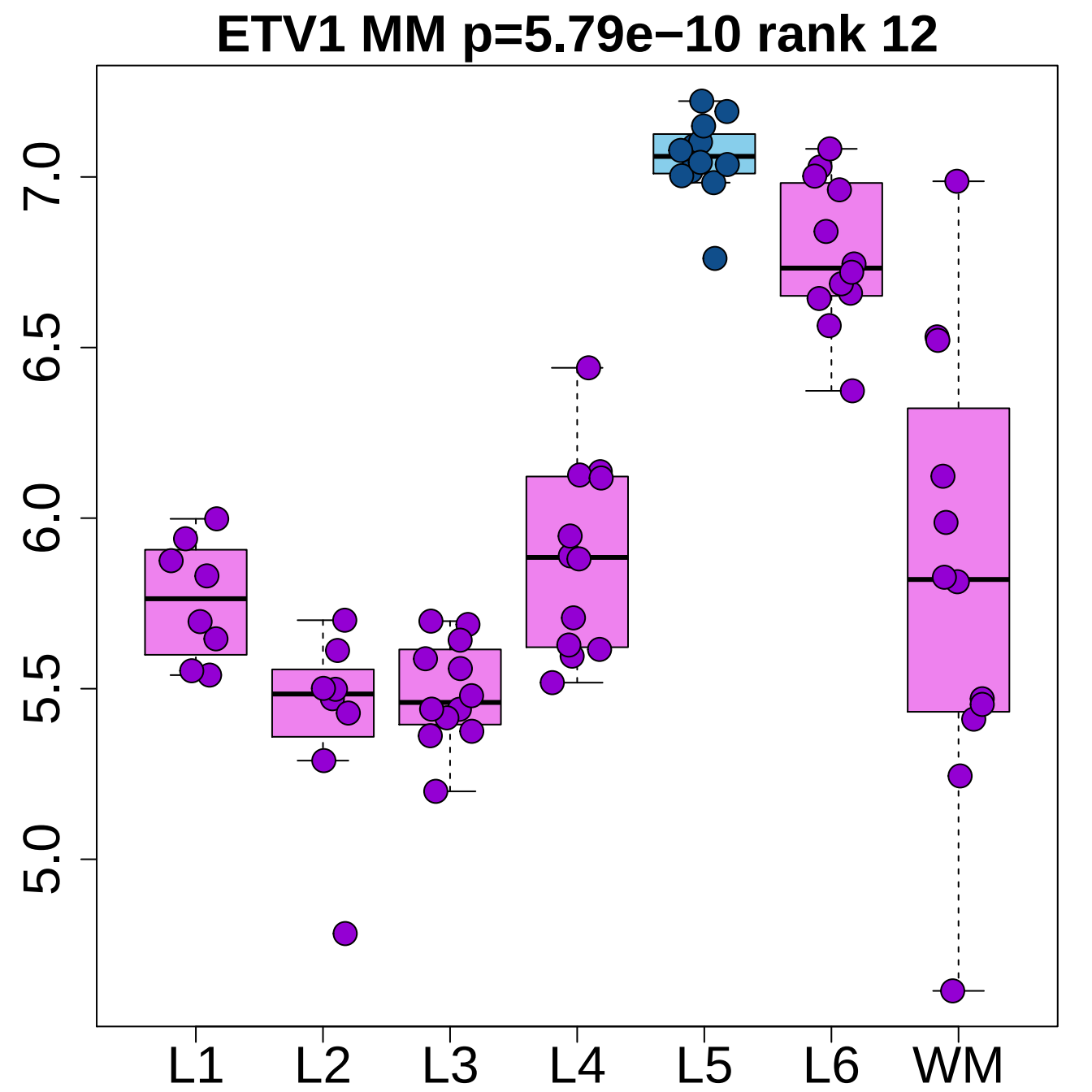
9.0
8.5
8.0
L1
L2
L3
L4
L5
L6
WM


ETV1 MM p=5.79e−10 rank 12
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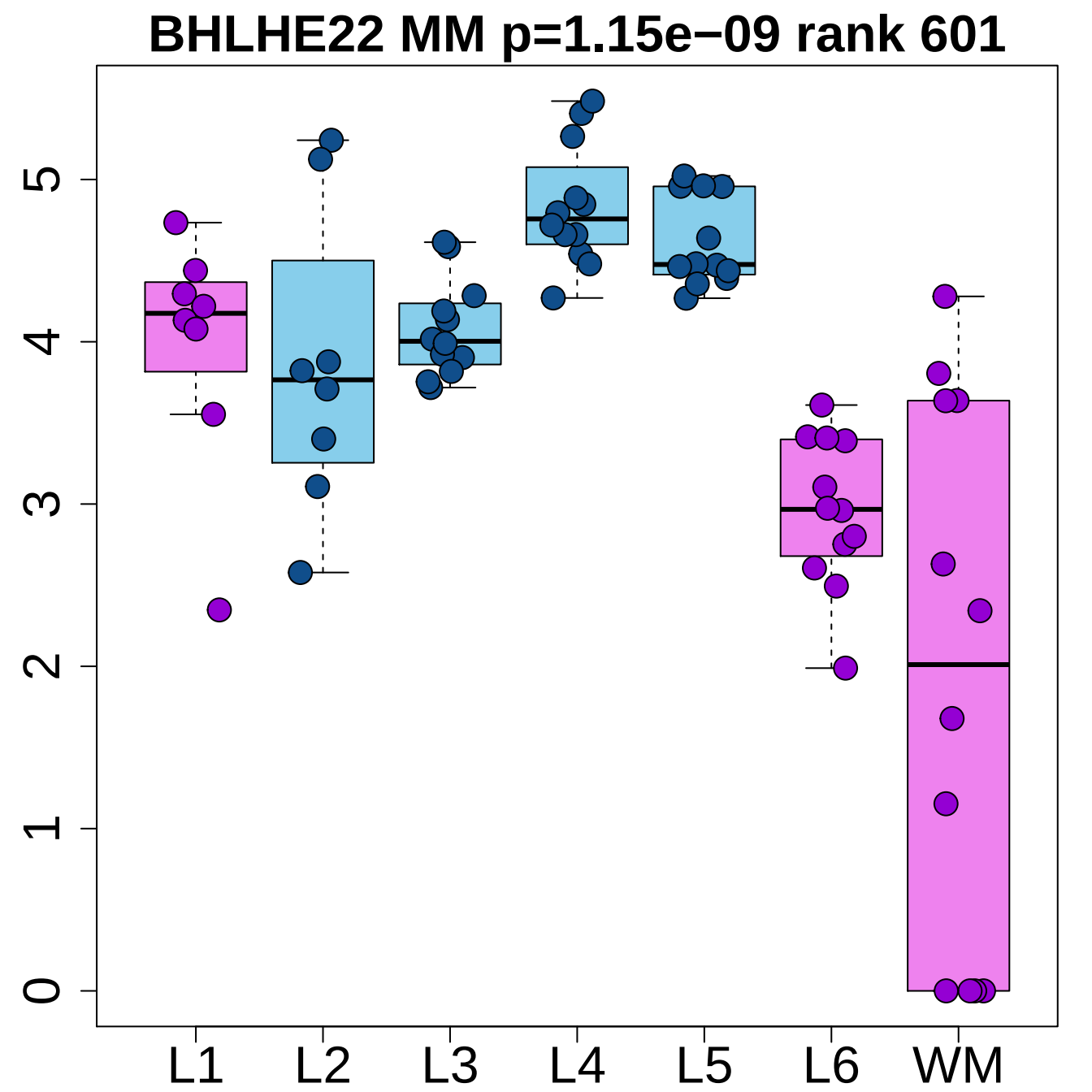
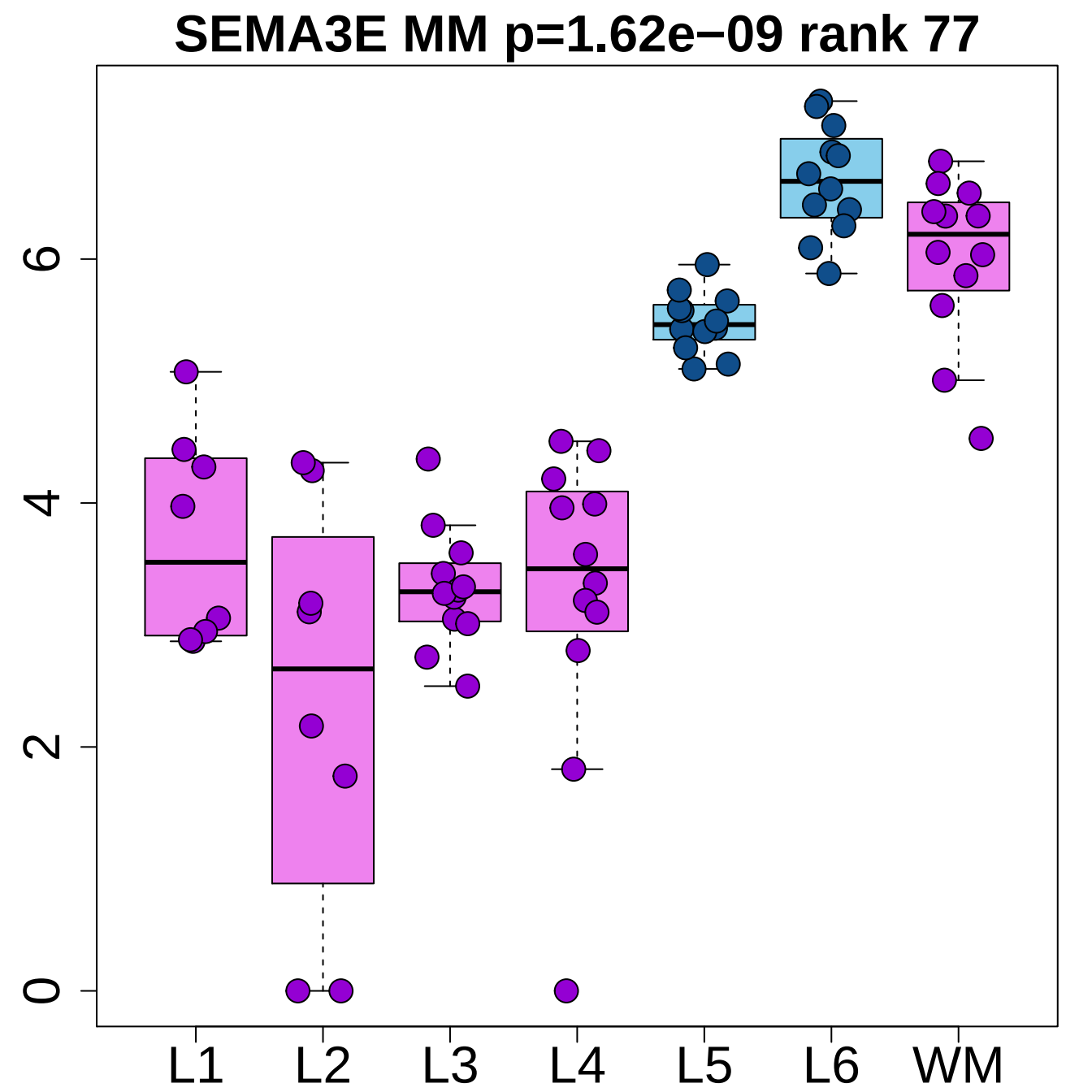
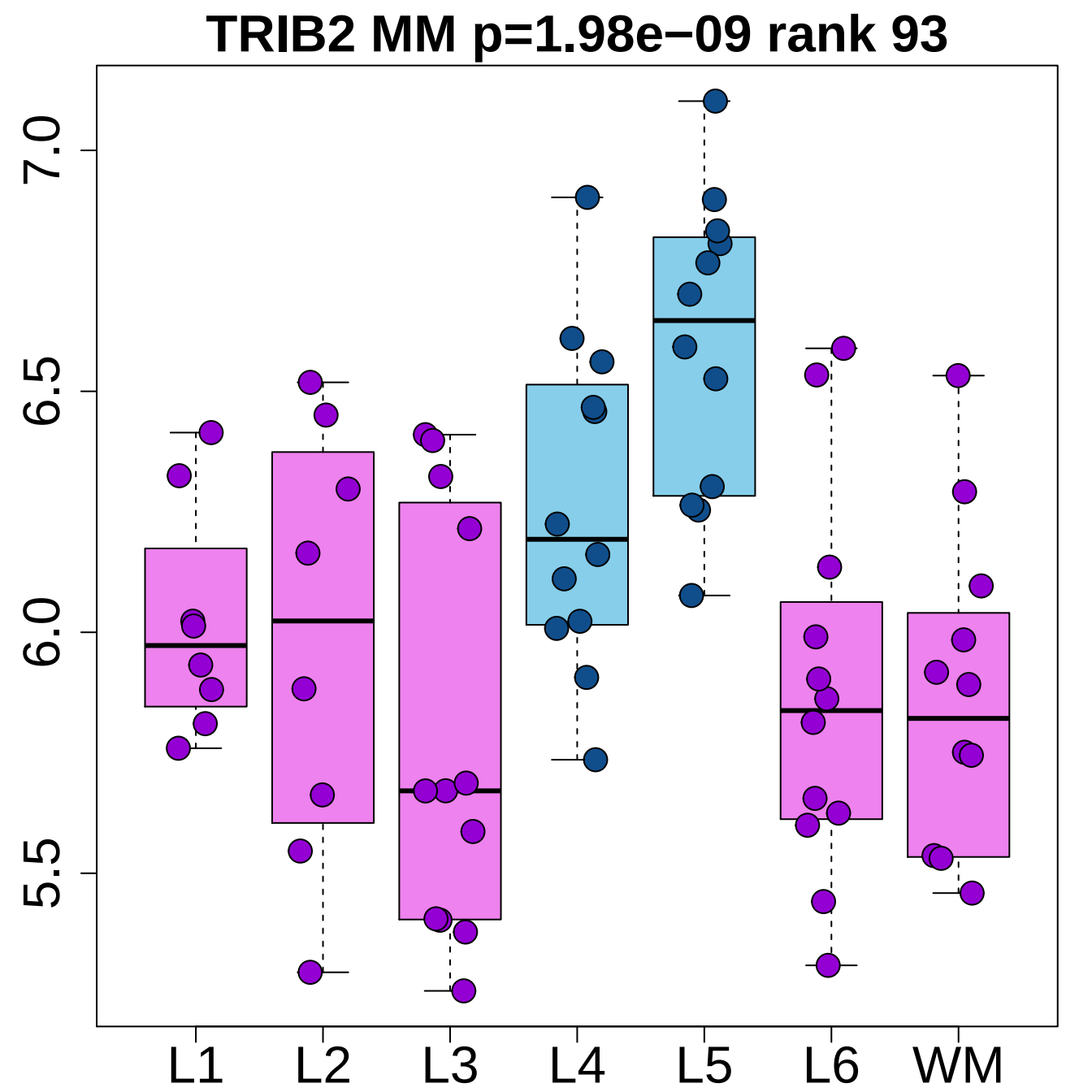
6.0
5.5
5.0
L1
L2
L3
L4
L5
L6
WM


BHLHE22 MM p=1.15e−09 rank 601
0
1
2
3
4
5
L1
L2
L3
L4
L5
L6
WM


SEMA3E MM p=1.62e−09 rank 77
0
2
4
6
L1
L2
L3
L4
L5
L6
WM


TRIB2 MM p=1.98e−09 rank 93
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6.5
6.0
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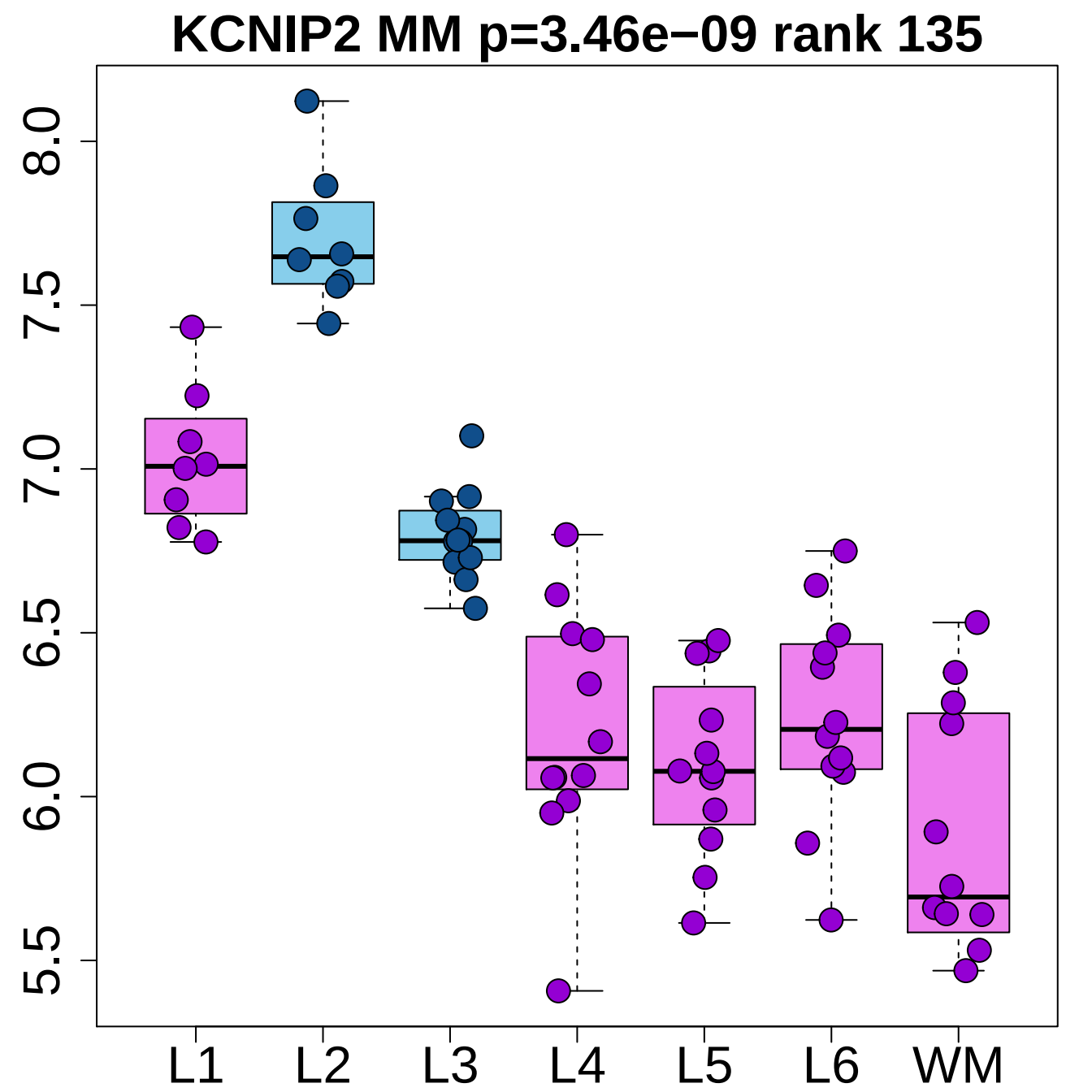
L1
L2
L3
L4
L5
L6
WM


KCNIP2 MM p=3.46e−09 rank 135
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6.5
6.0
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L1
L2
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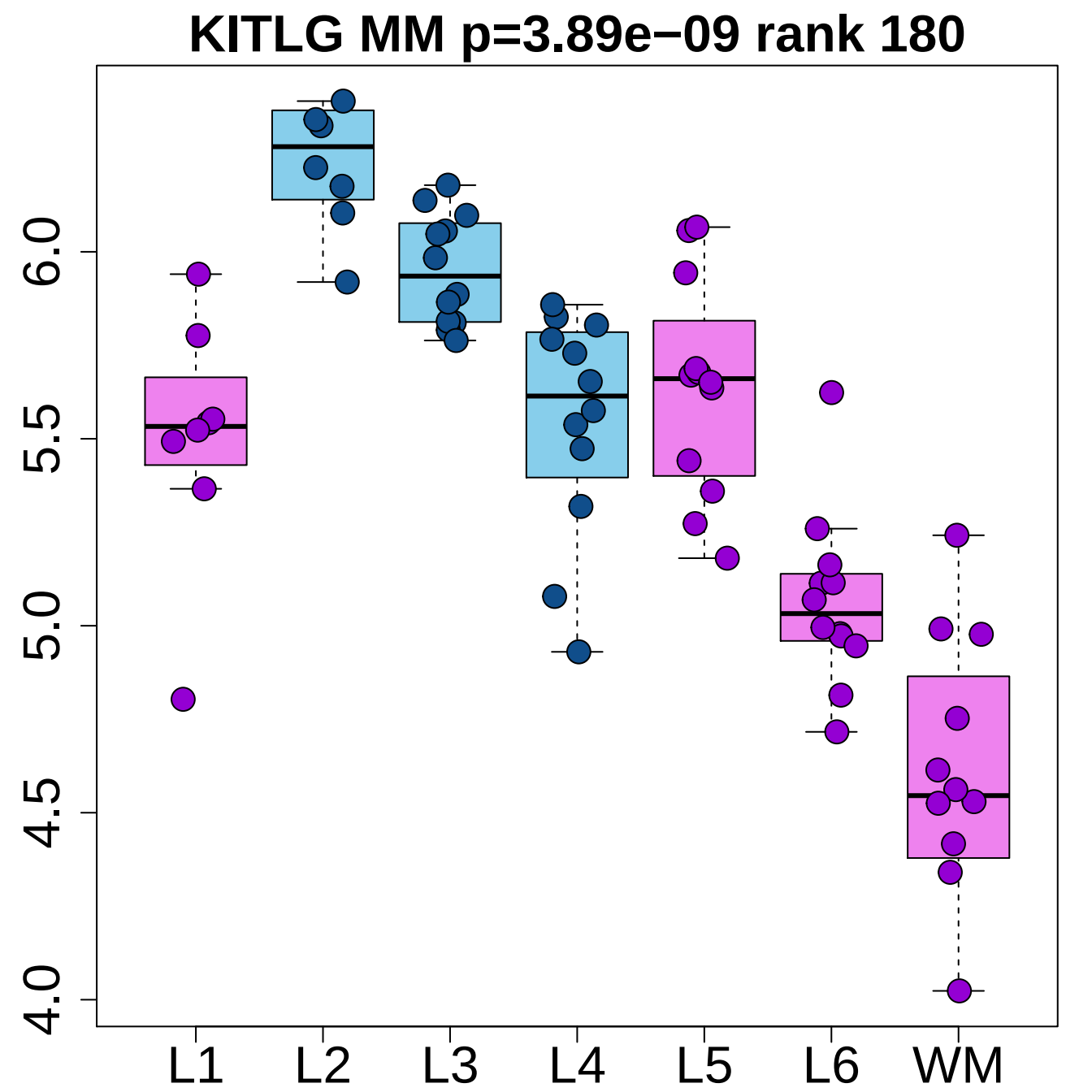
L4
L5
L6
WM


KITLG MM p=3.89e−09 rank 180
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L2
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L4
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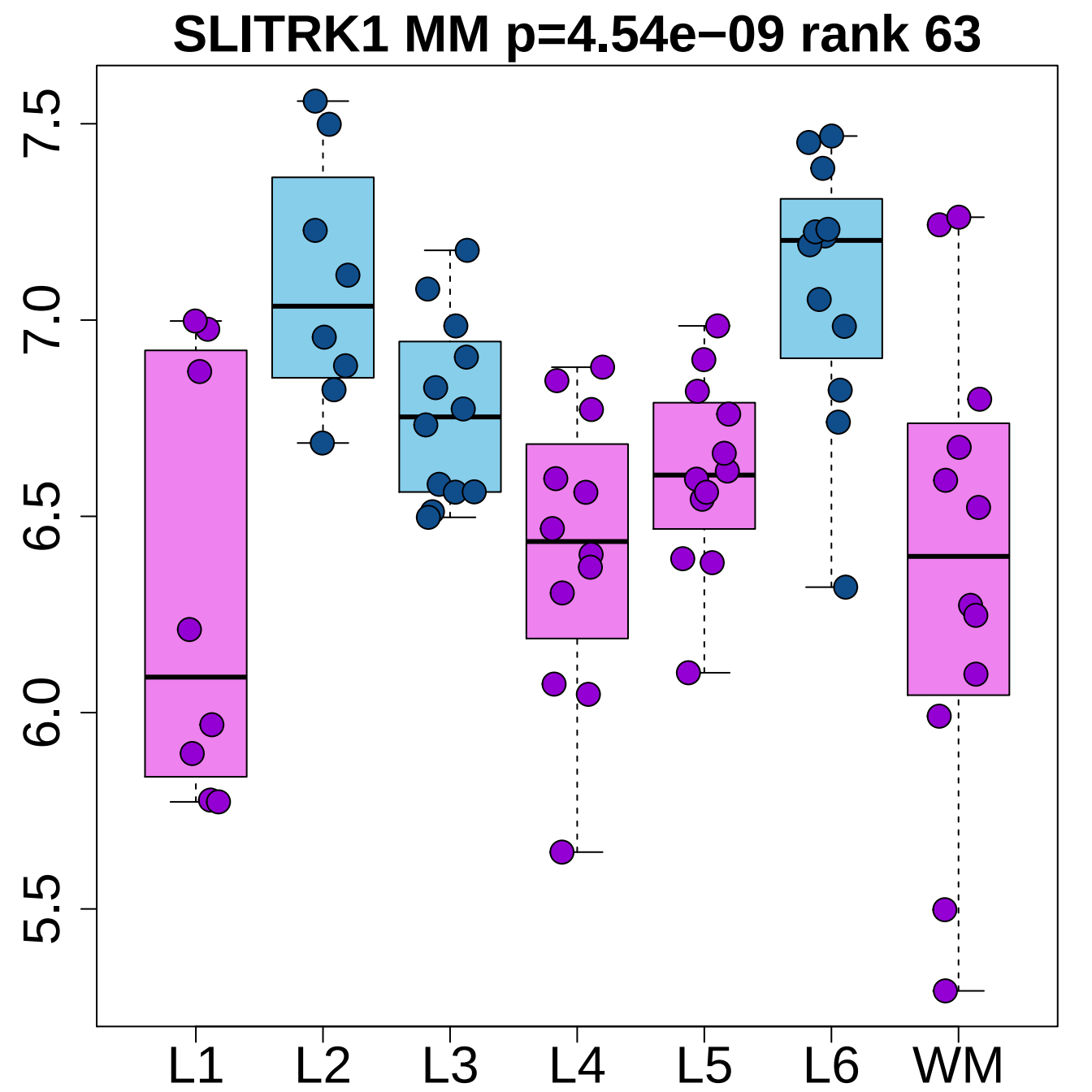
L6
WM


SLITRK1 MM p=4.54e−09 rank 63
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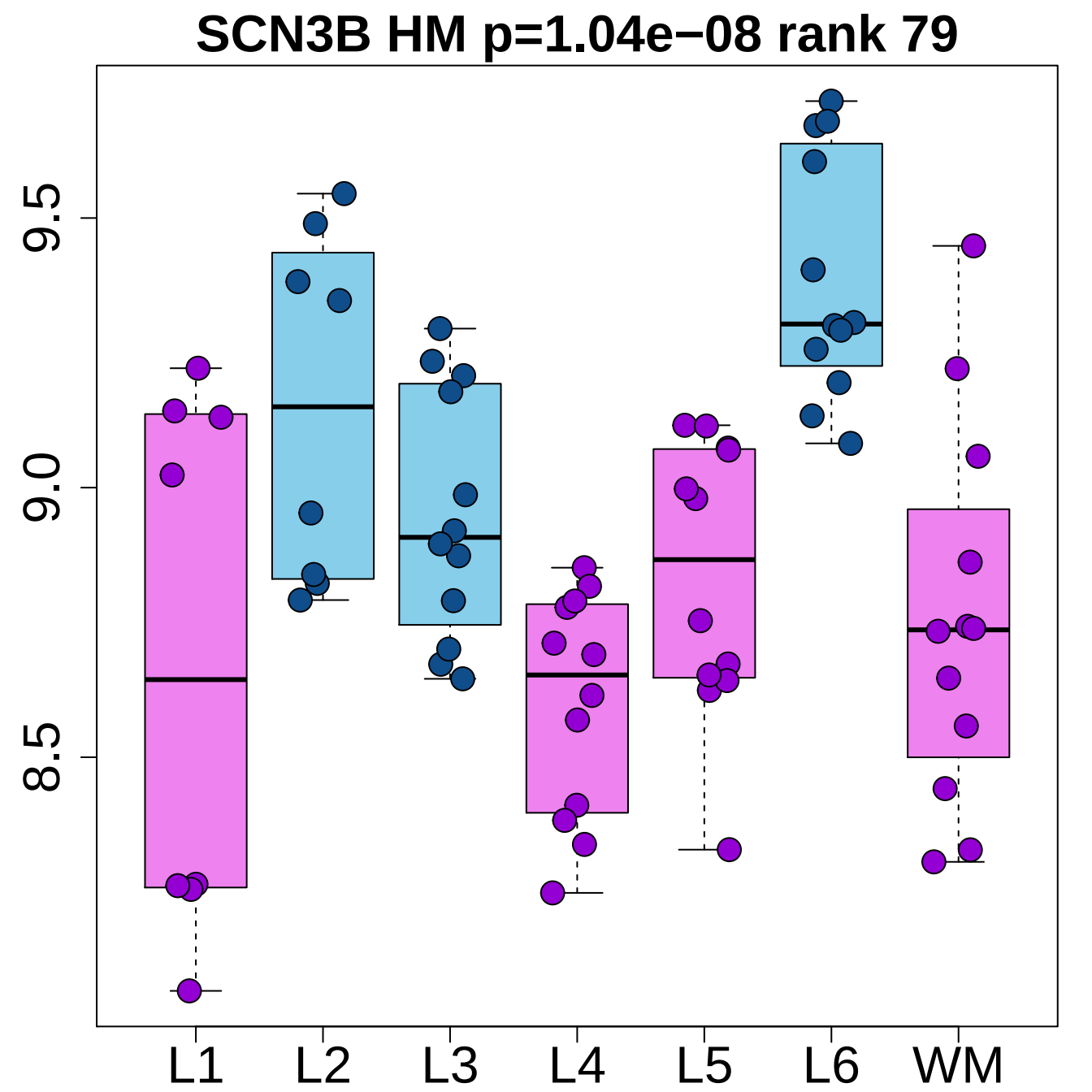
5.5
L1
L2
L3
L4
L5
L6
WM


SCN3B HM p=1.04e−08 rank 79
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9.0
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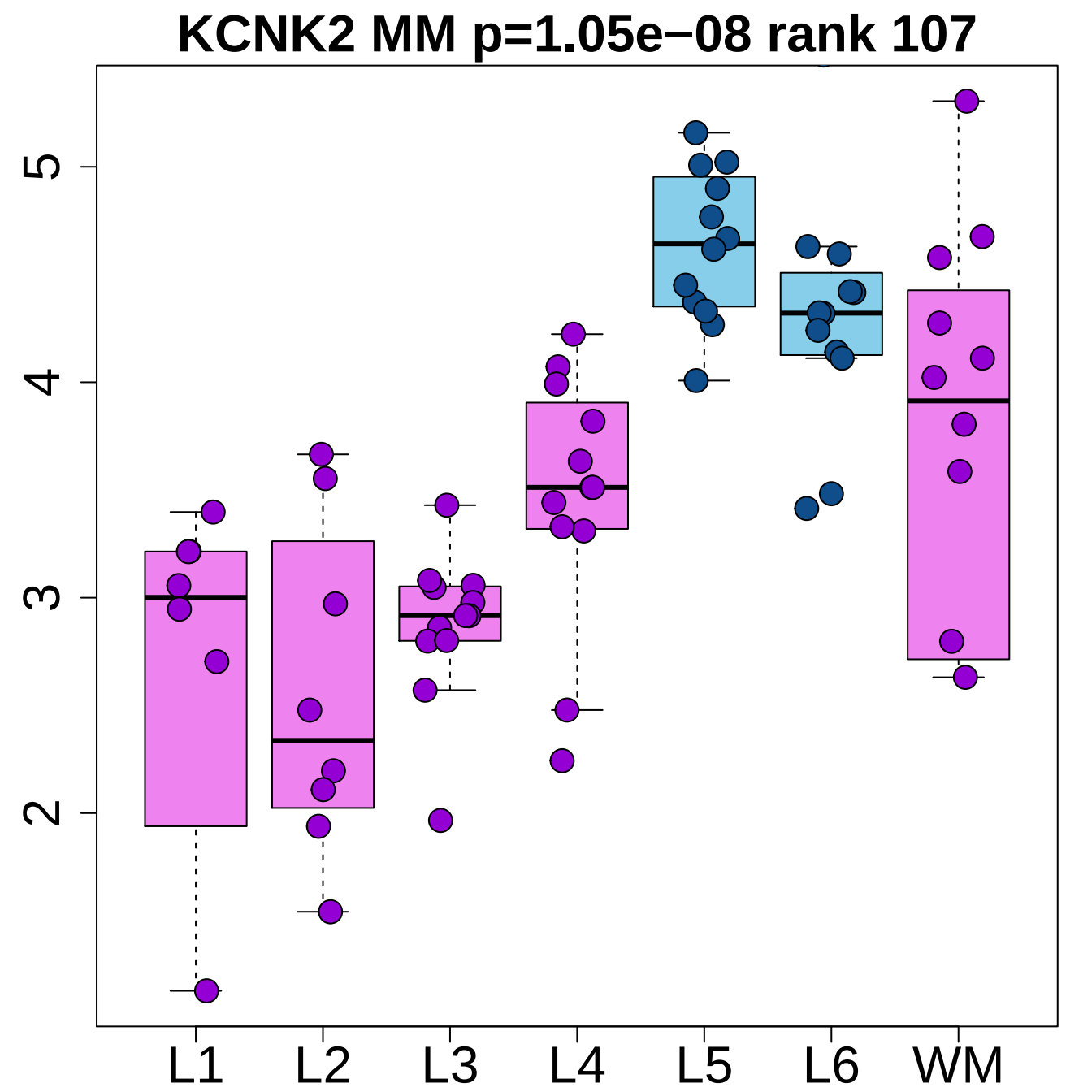
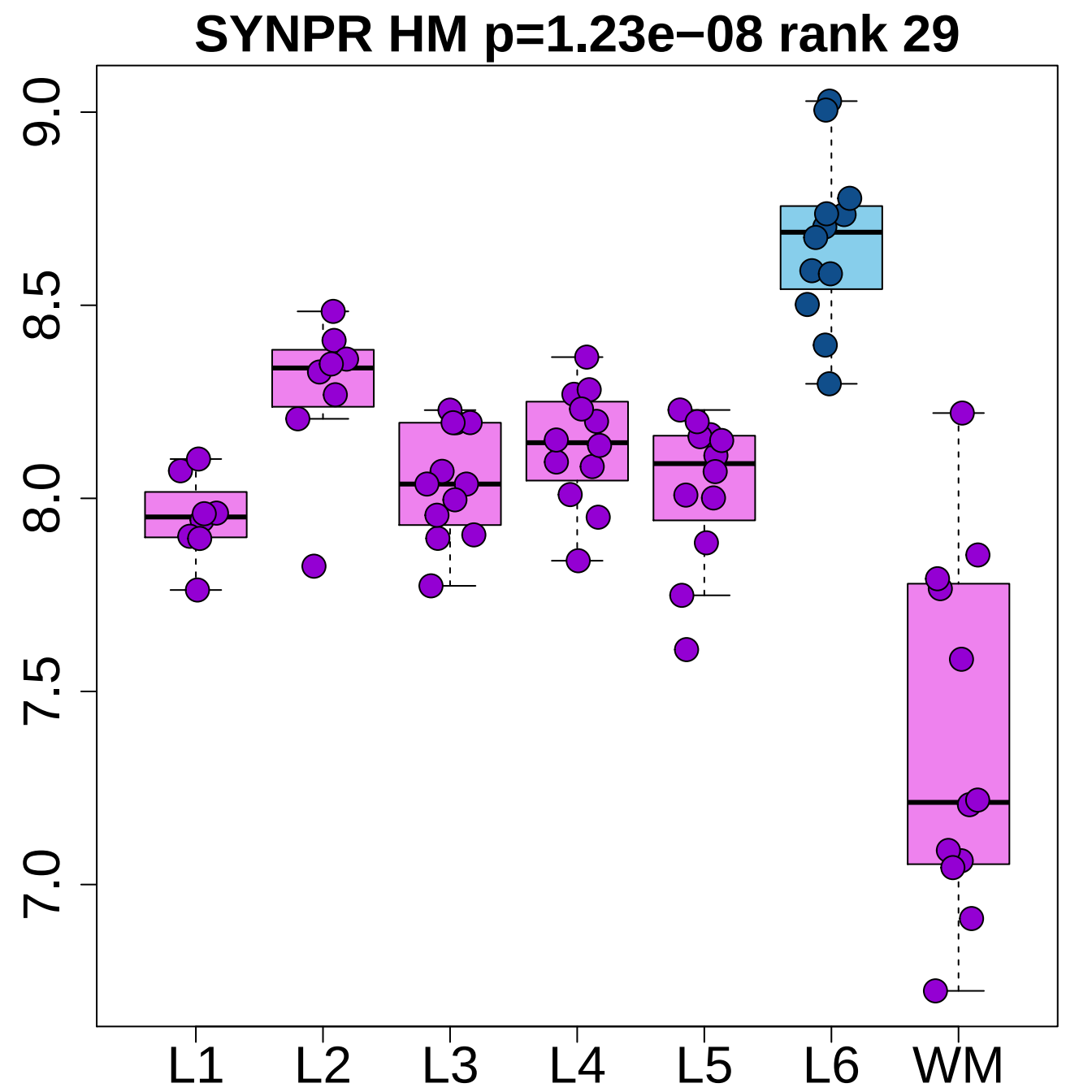
L1
L2
L3
L4
L5
L6
WM


KCNK2 MM p=1.05e−08 rank 107
5
4
3
2
L1
L2
L3
L4
L5
L6
WM


SYNPR HM p=1.23e−08 rank 29
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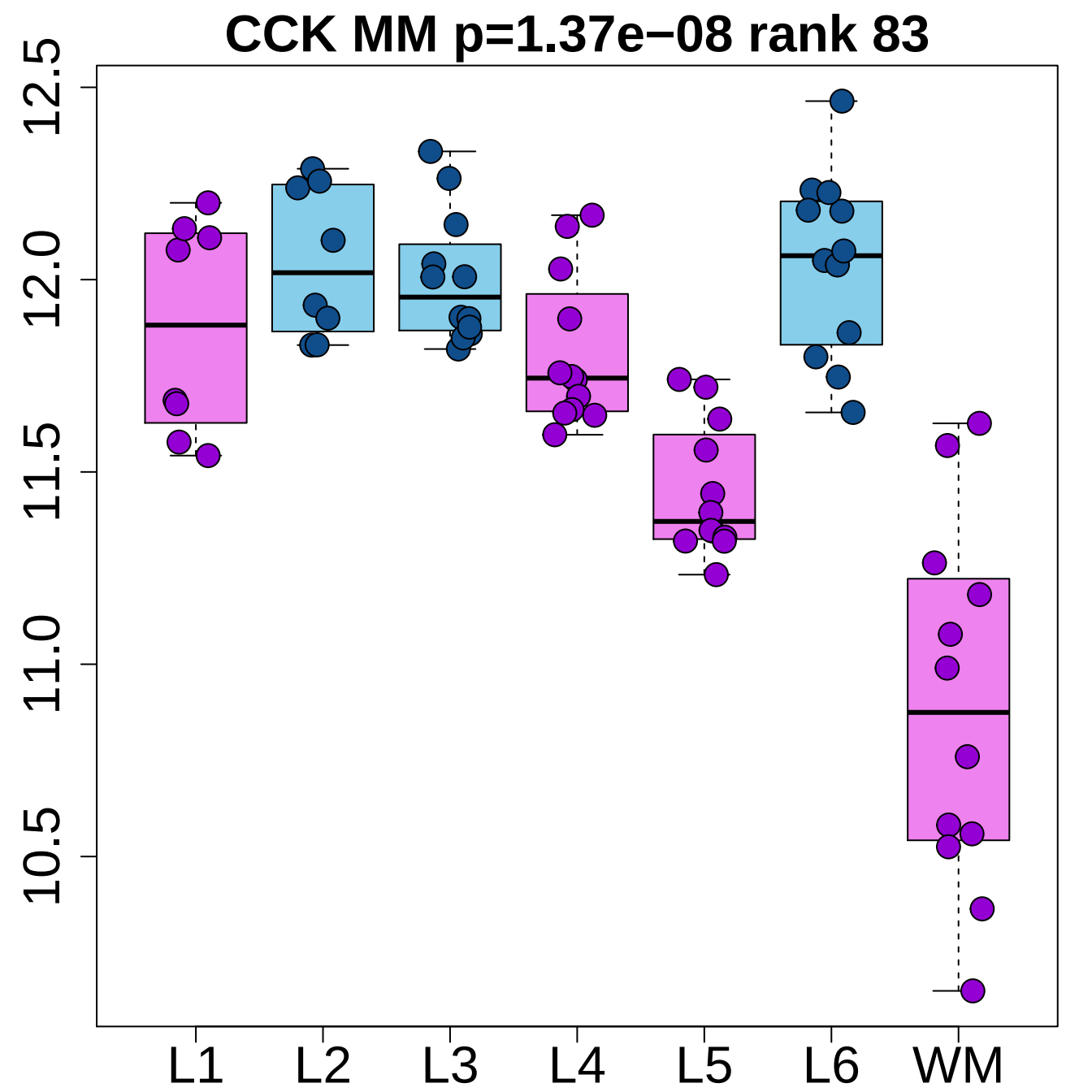
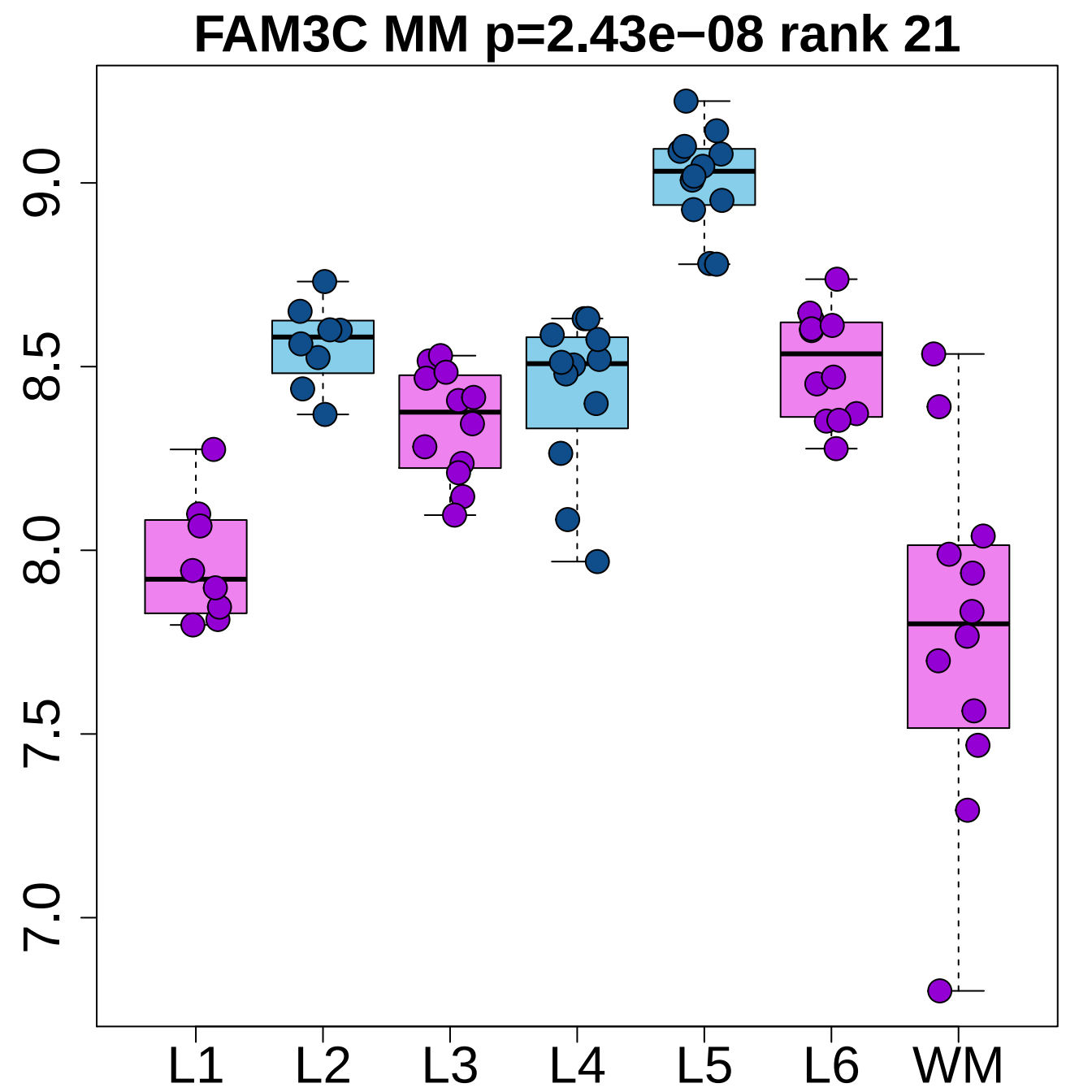
8.0
7.5
7.0
L1
L2
L3
L4
L5
L6
WM


CCK MM p=1.37e−08 rank 83
12.5
12.0
11.5
11.0
10.5
L1
L2
L3
L4
L5
L6
WM


FAM3C MM p=2.43e−08 rank 21
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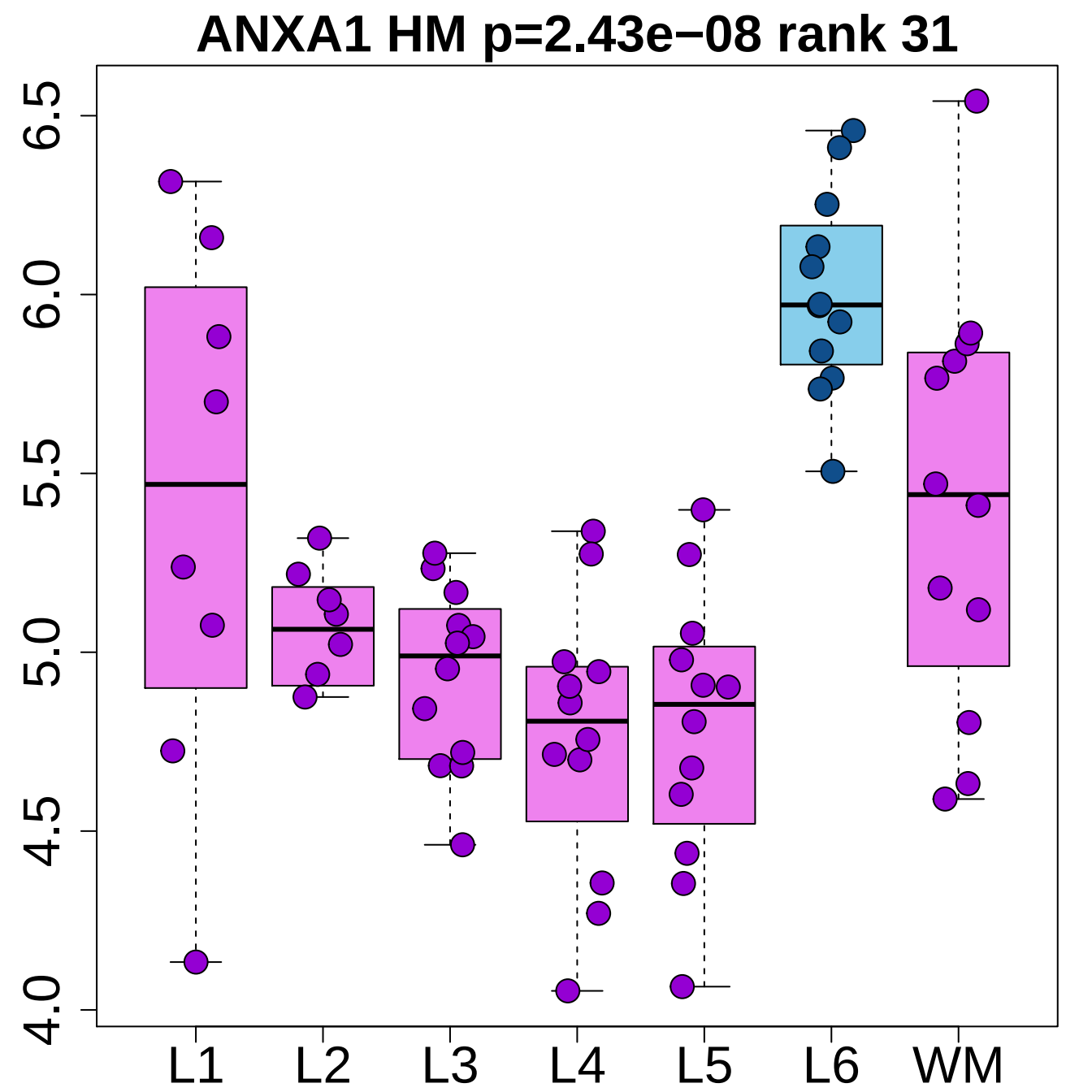
8.5
8.0
7.5
7.0
L1
L2
L3
L4
L5
L6
WM


ANXA1 HM p=2.43e−08 rank 31
6.5
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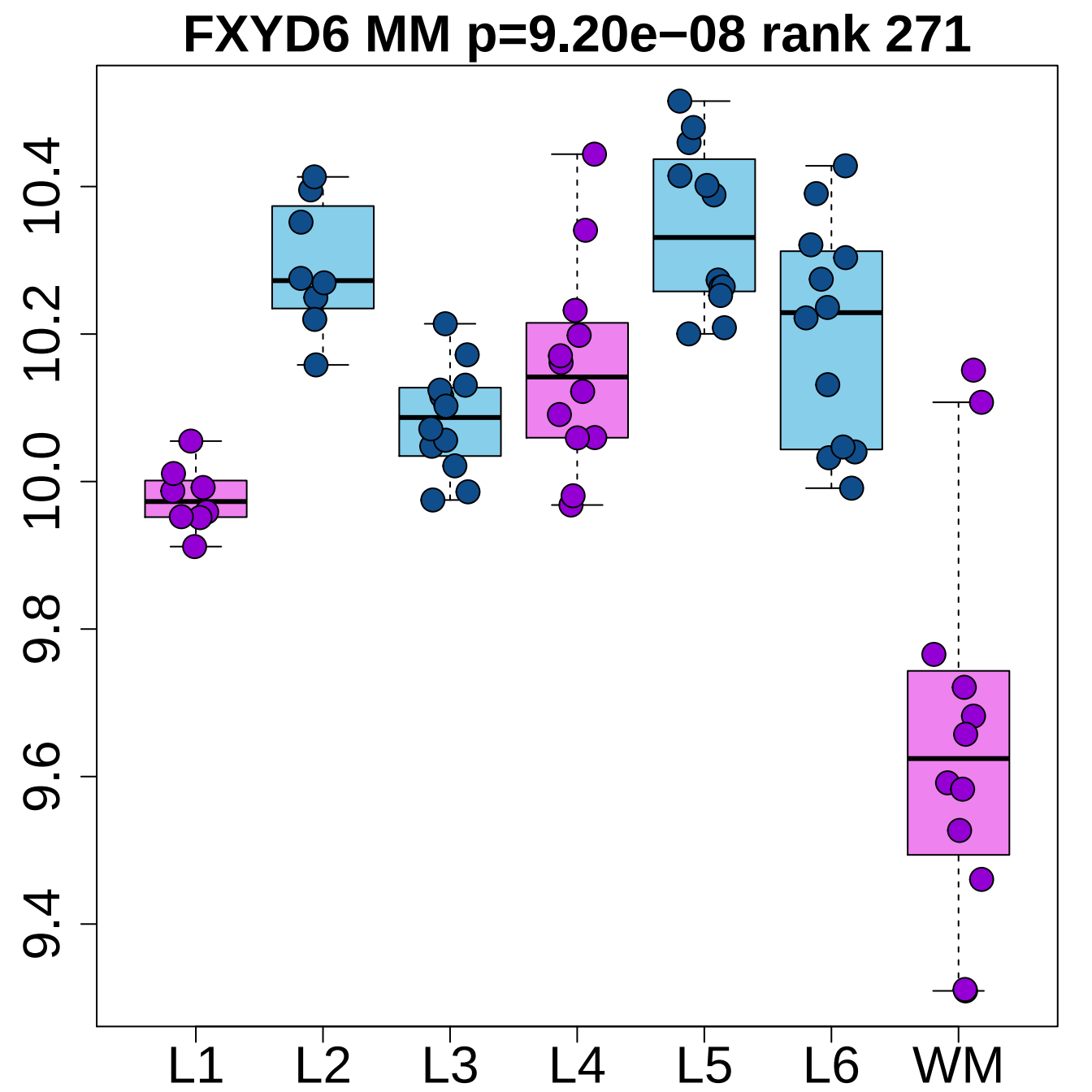
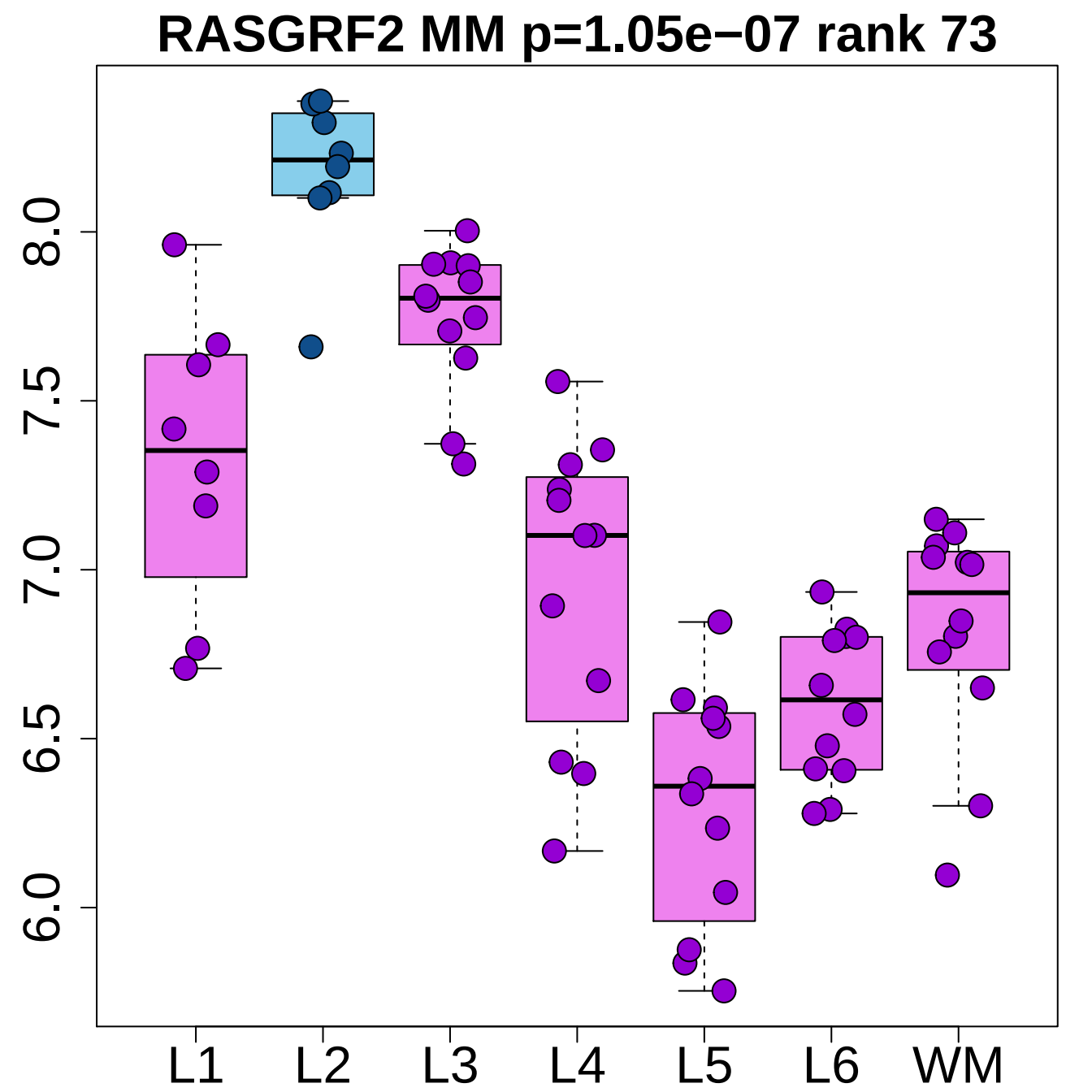
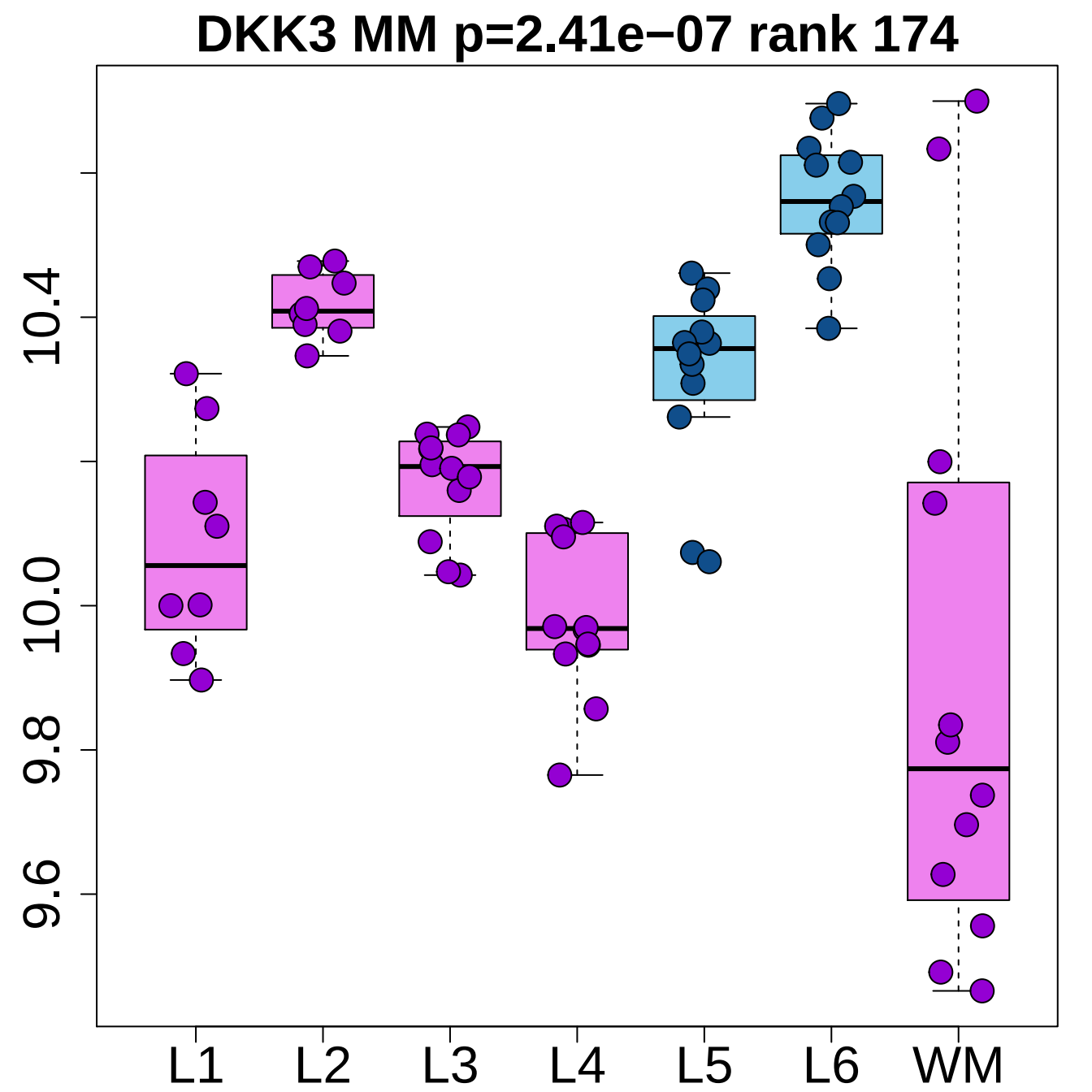
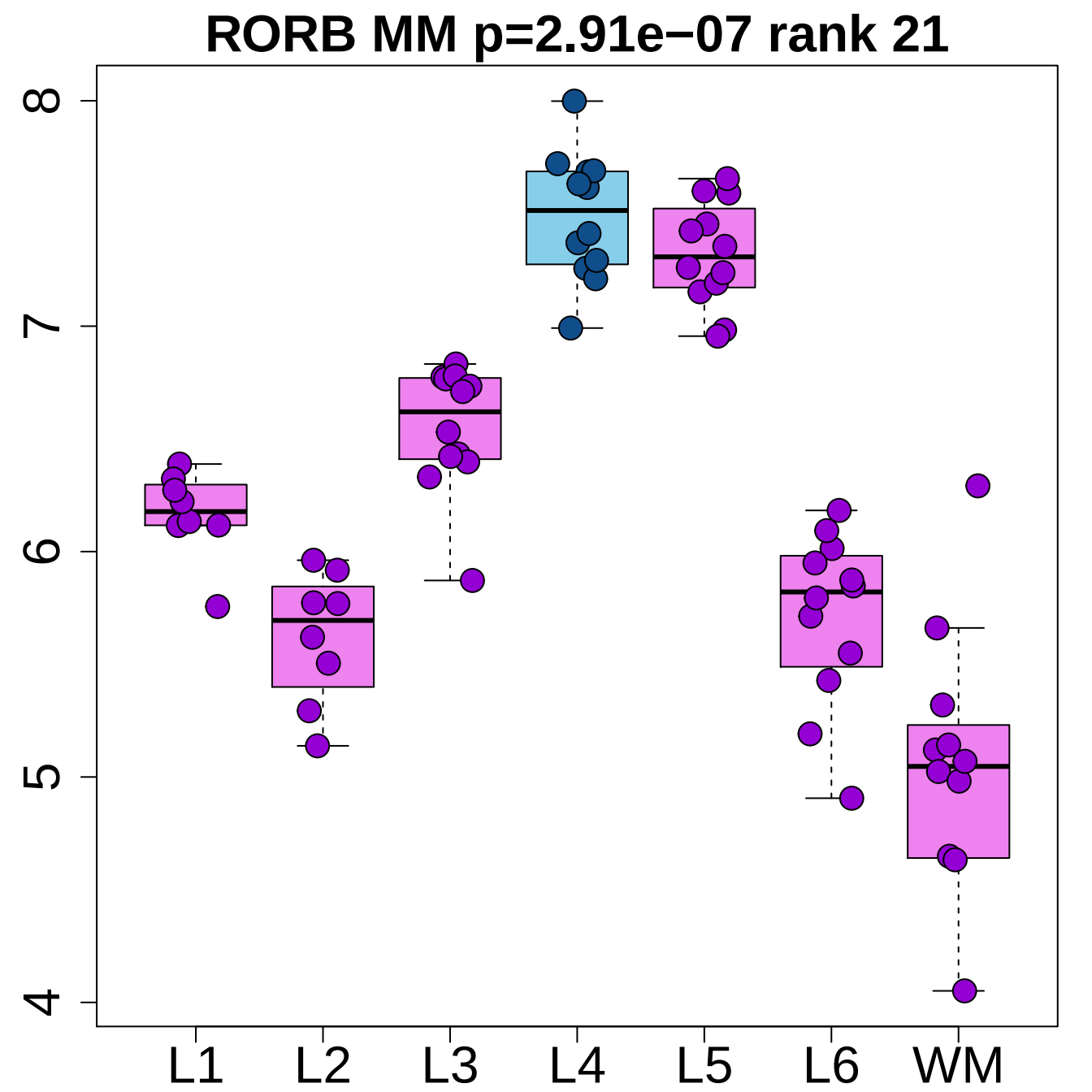
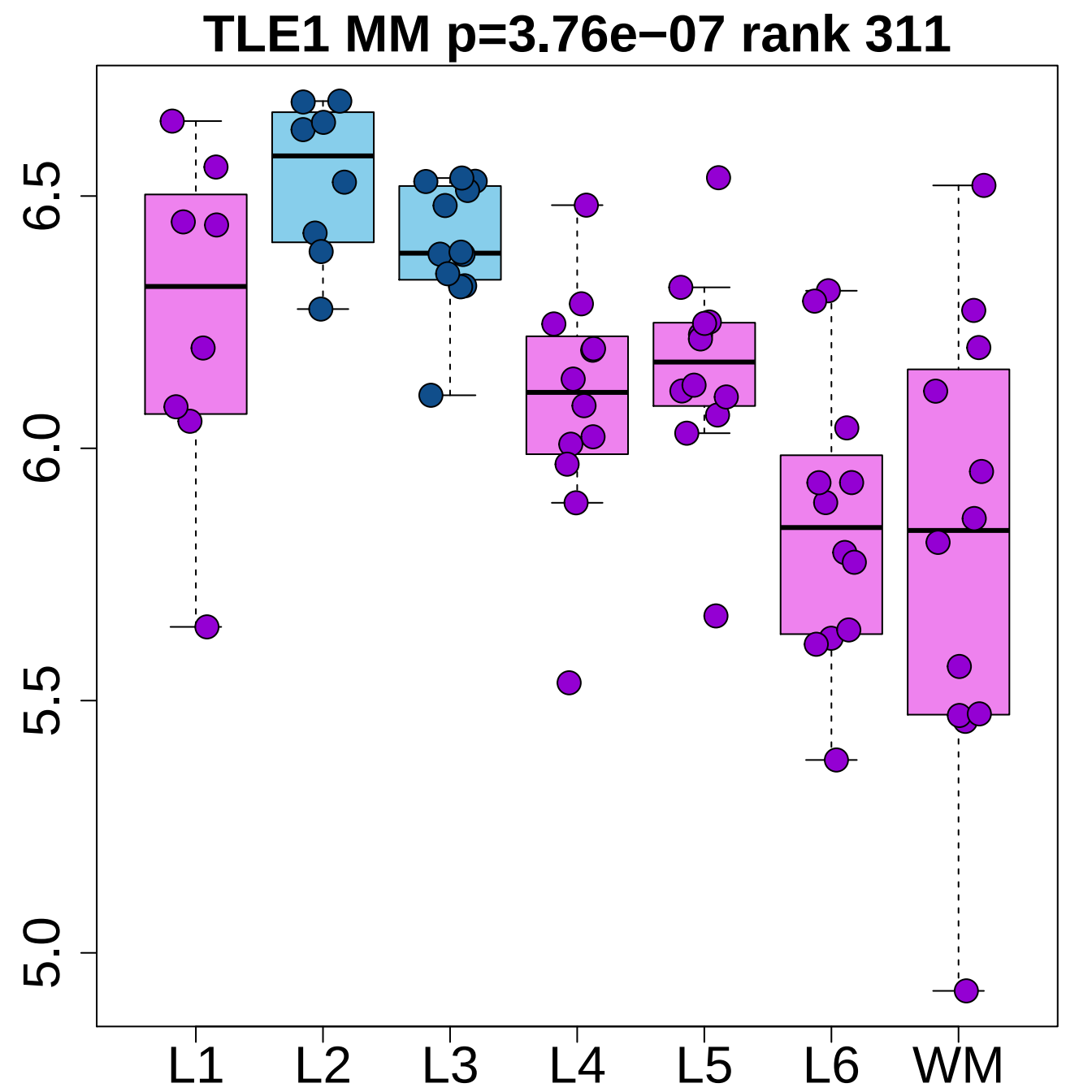
5.5
5.0
4.5
4.0
L1
L2
L3
L4
L5
L6
WM

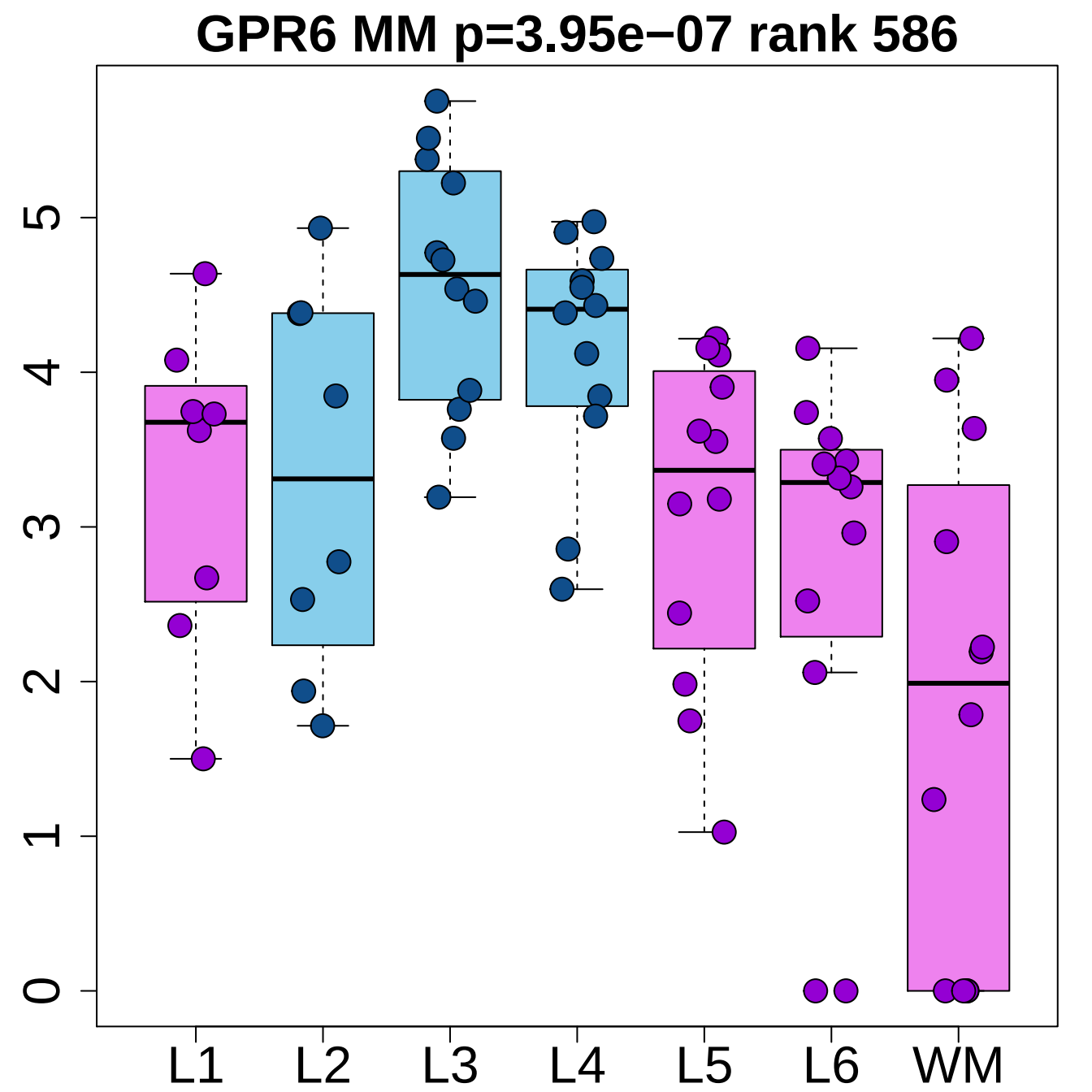

FXYD6 MM p=9.20e−08 rank 271
10.4
10.2
10.0
9.8
9.6
9.4
L1
L2
L3
L4
L5
L6
WM

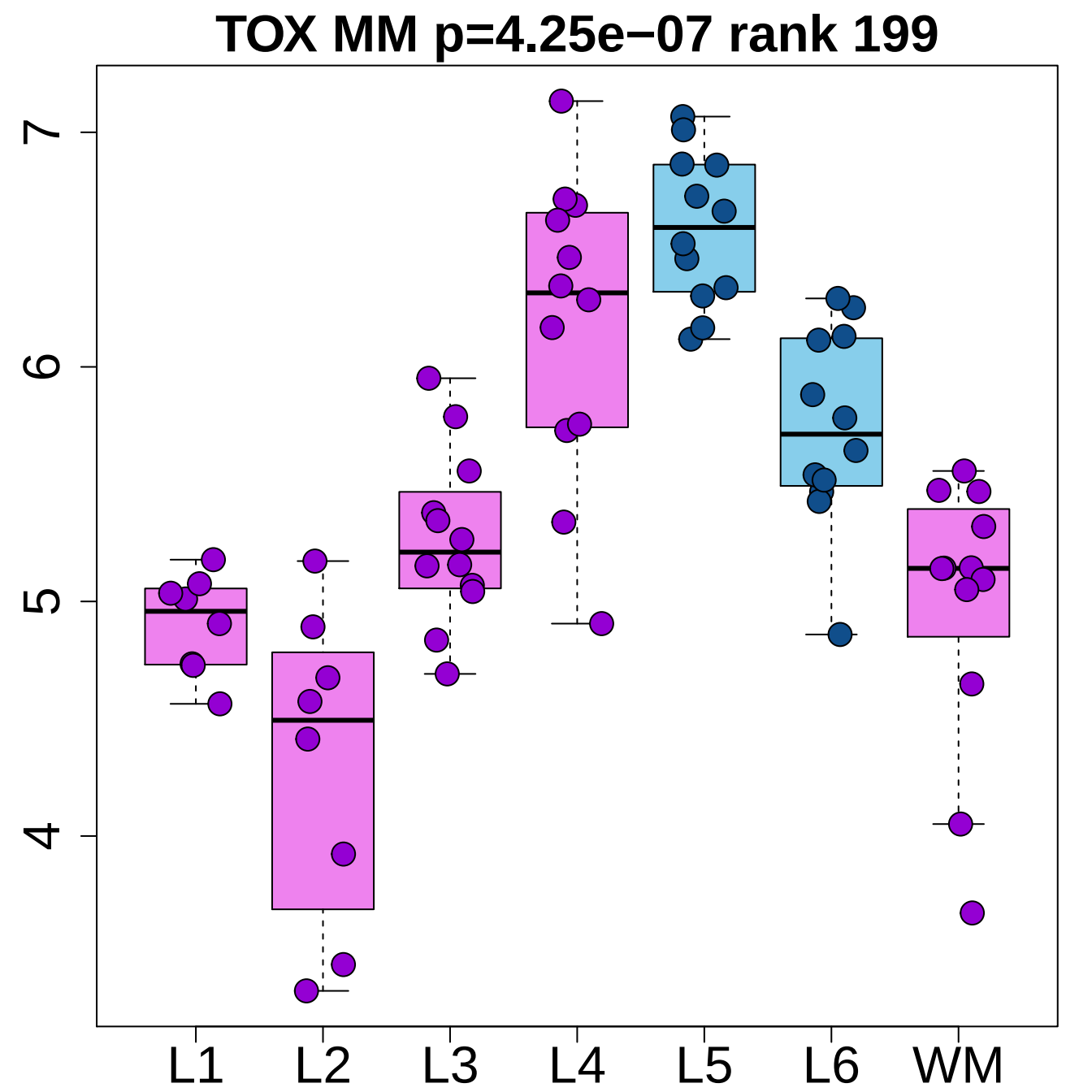

RASGRF2 MM p=1.05e−07 rank 73
8.0
7.5
7.0
6.5
6.0
L1
L2
L3
L4
L5
L6
WM

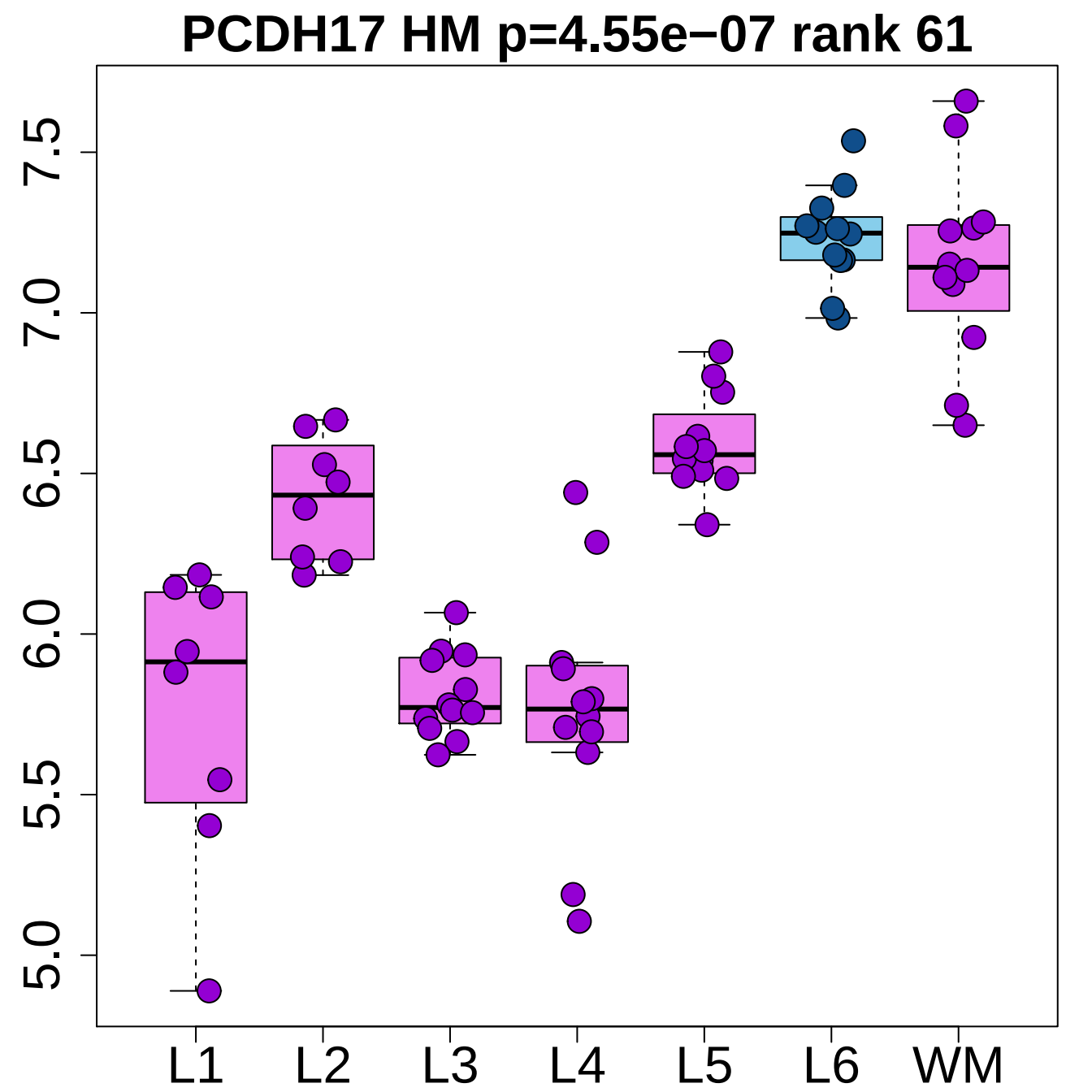

DKK3 MM p=2.41e−07 rank 174
10.4
10.0
9.8
9.6
L1
L2
L3
L4
L5
L6
WM

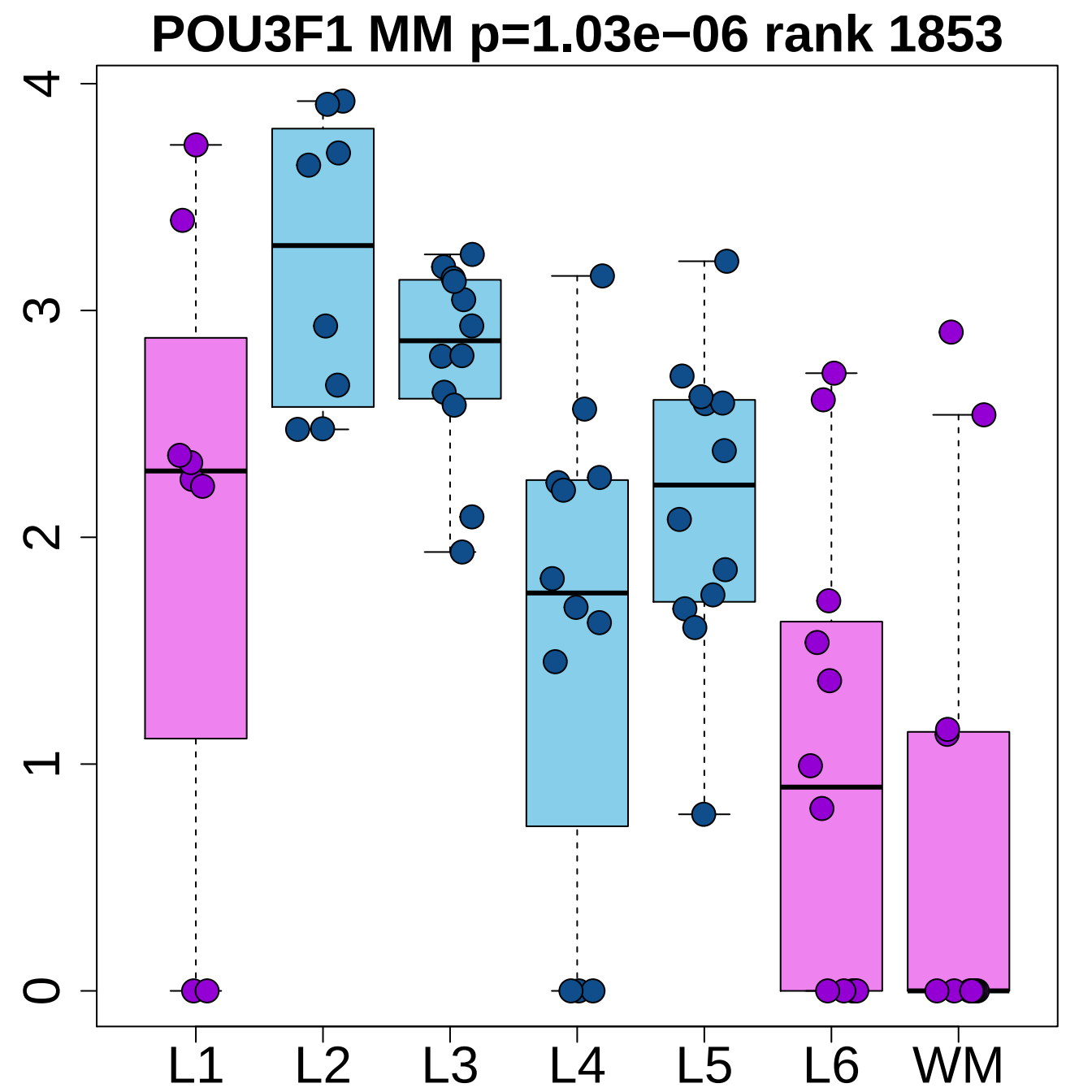

RORB MM p=2.91e−07 rank 21
8
7
6
5
4
L1
L2
L3
L4
L5
L6
WM

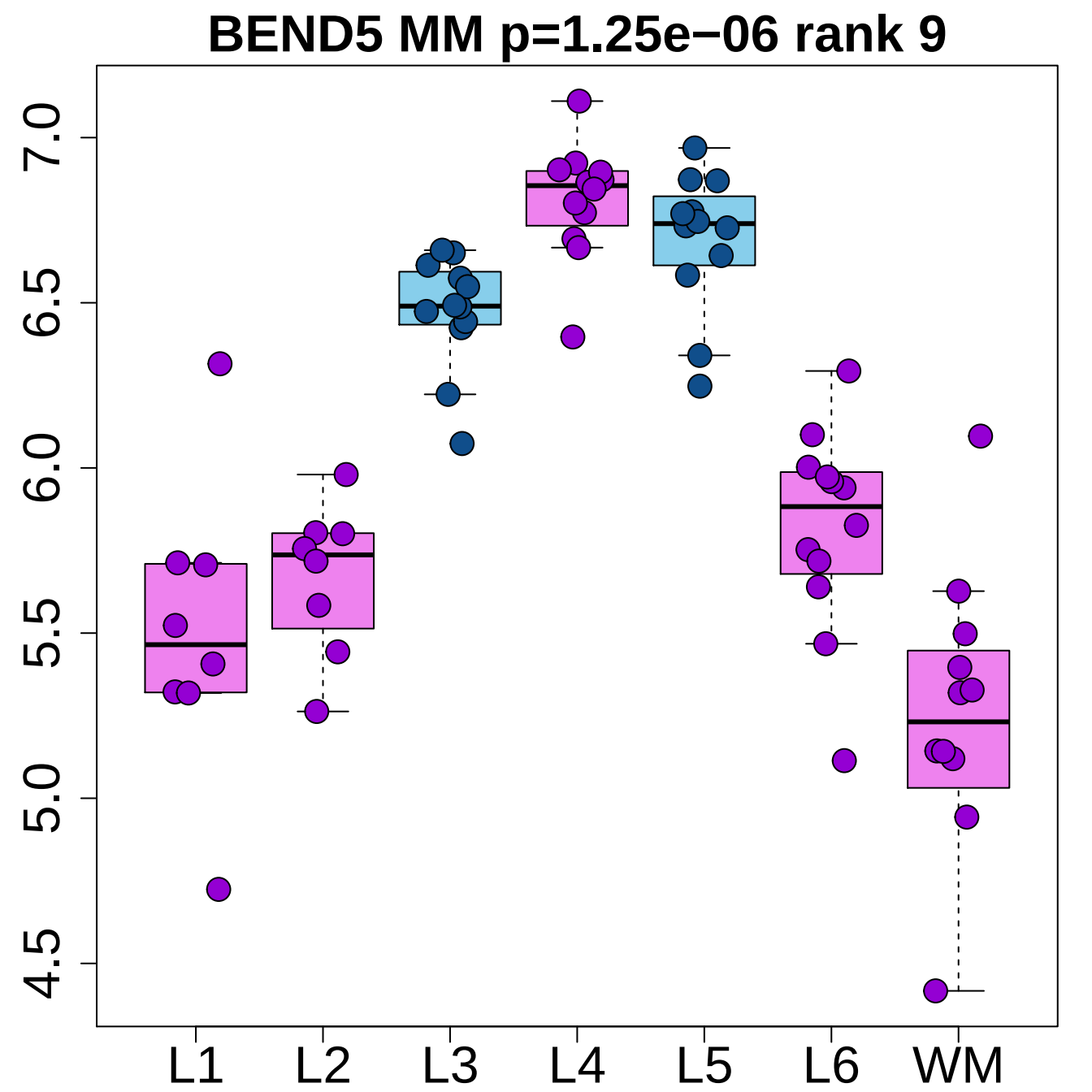

TLE1 MM p=3.76e−07 rank 311
6.5
6.0
5.5
5.0
L1
L2
L3
L4
L5
L6
WM

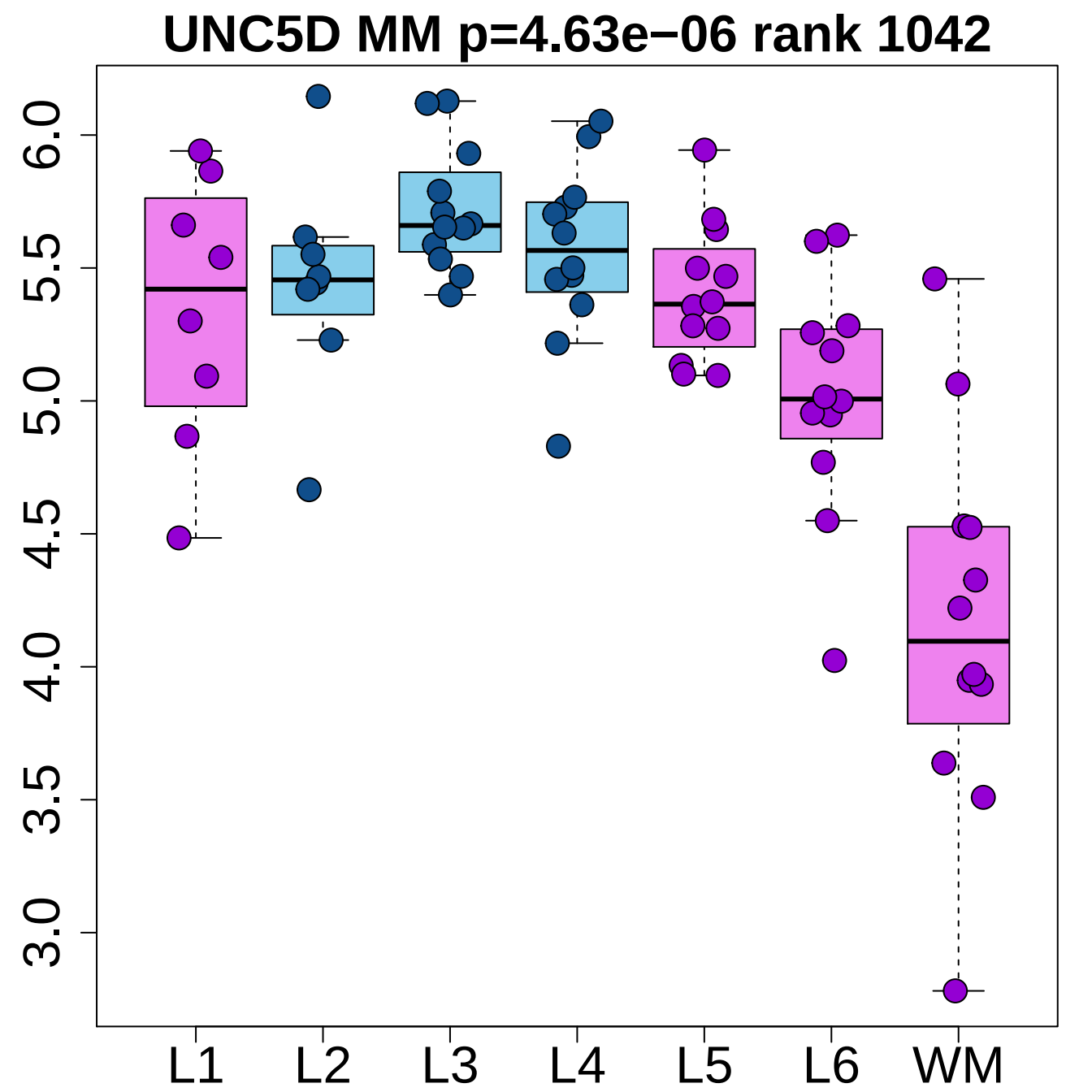

GPR6 MM p=3.95e−07 rank 586
0
1
2
3
4
5
L1
L2
L3
L4
L5
L6
WM

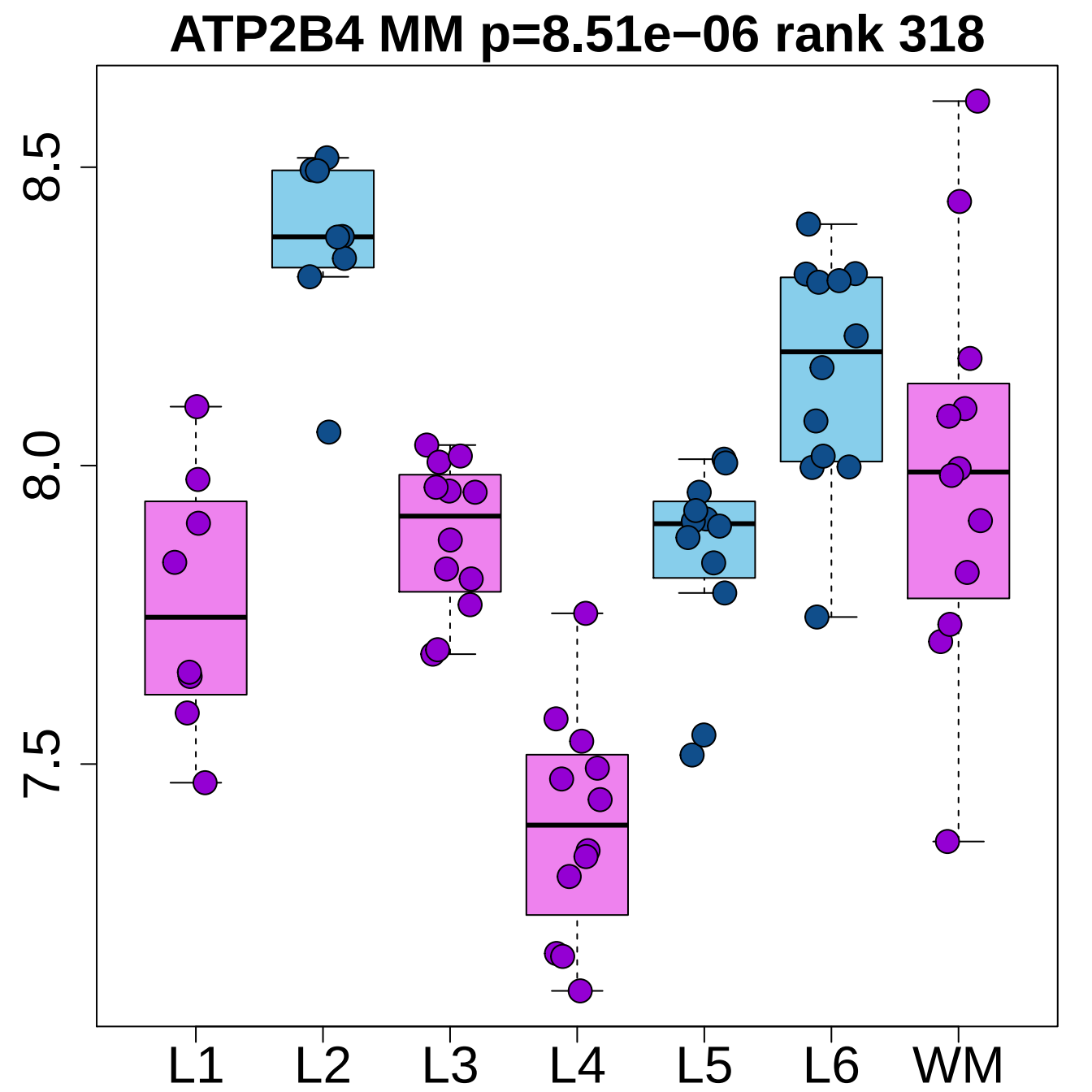

TOX MM p=4.25e−07 rank 199
7
6
5
4
L1
L2
L3
L4
L5
L6
WM

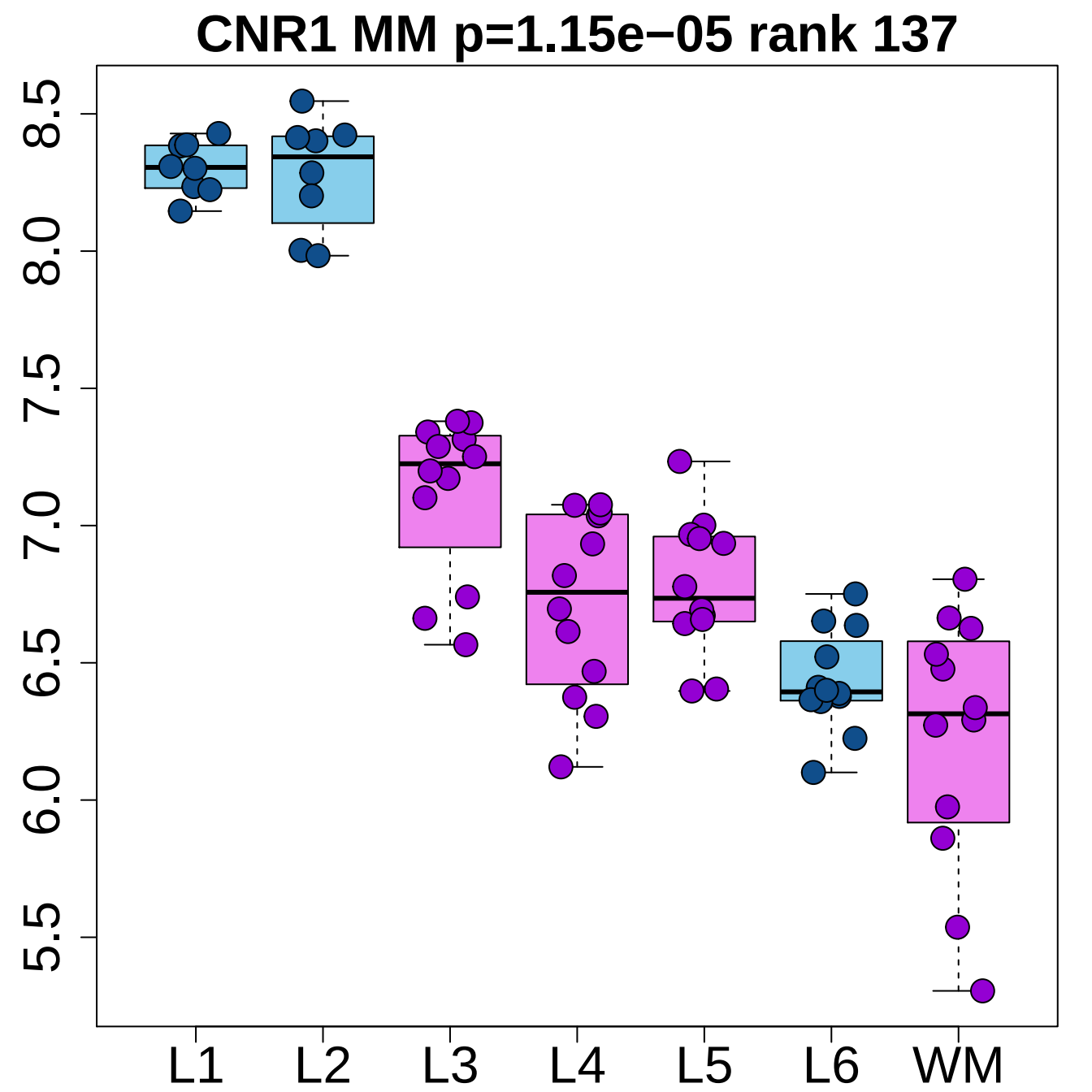

PCDH17 HM p=4.55e−07 rank 61
7.5
7.0
6.5
6.0
5.5
5.0
L1
L2
L3
L4
L5
L6
WM

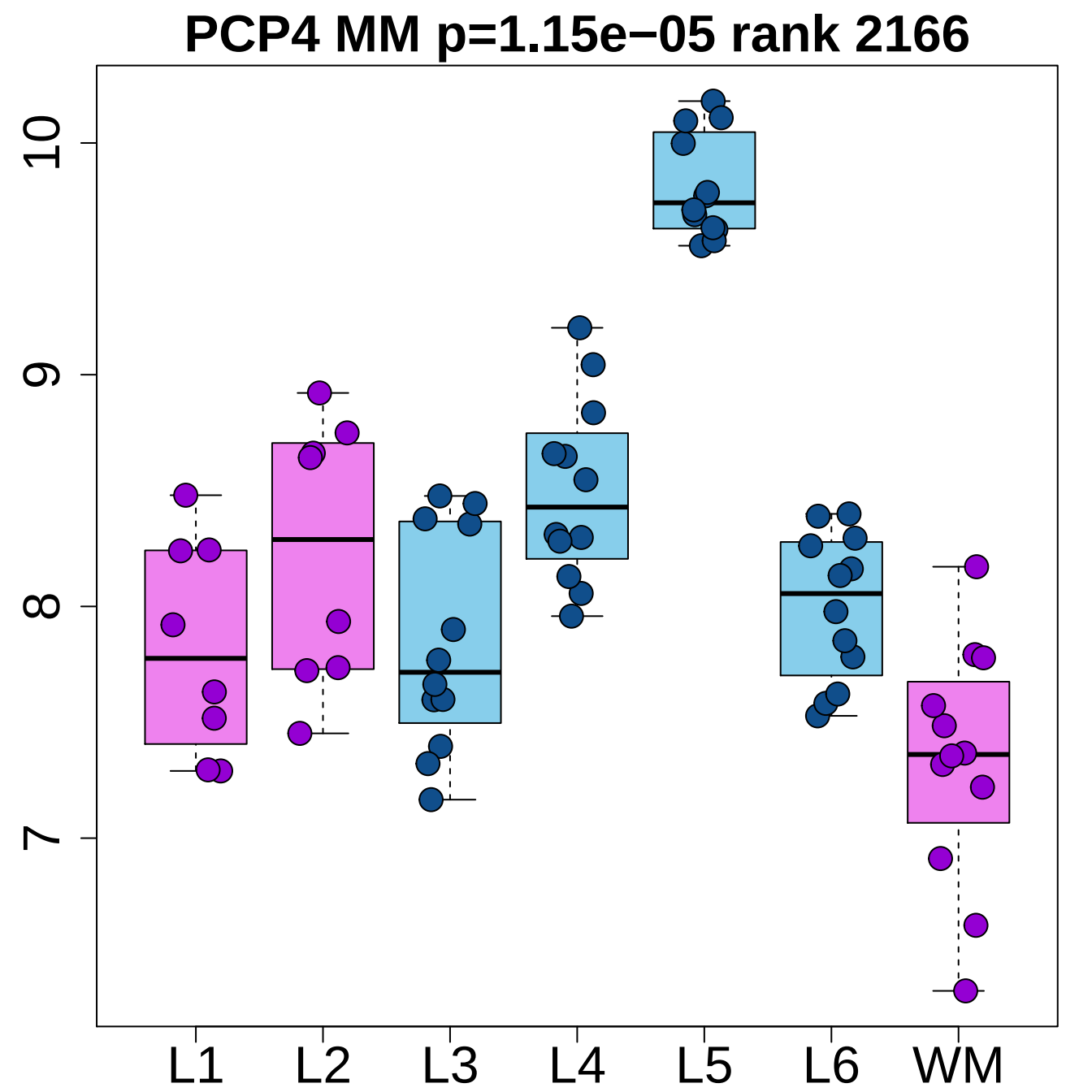

POU3F1 MM p=1.03e−06 rank 1853
0
1
2
3
4
L1
L2
L3
L4
L5
L6
WM

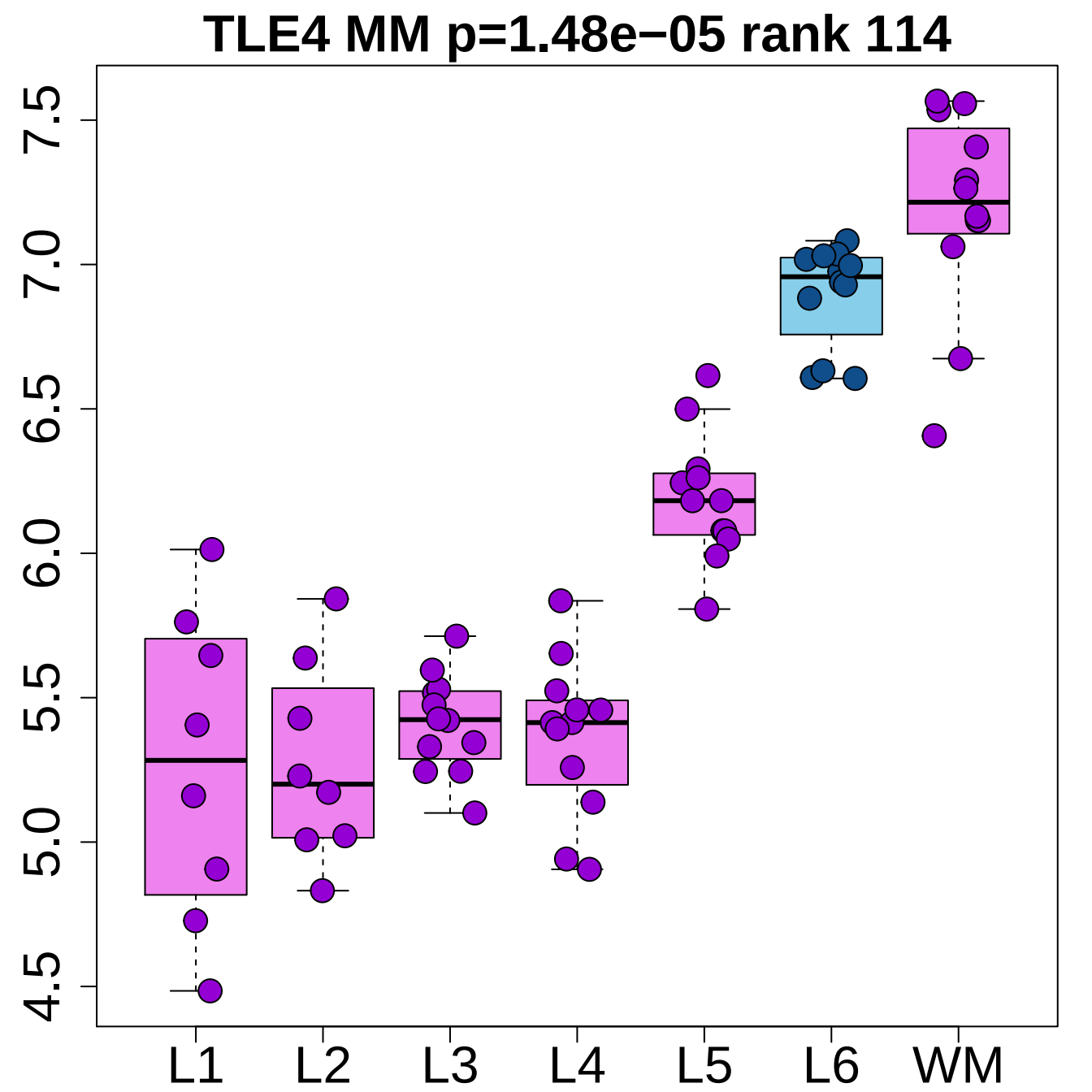

BEND5 MM p=1.25e−06 rank 9
7.0
6.5
6.0
5.5
5.0
4.5
L1
L2
L3
L4
L5
L6
WM

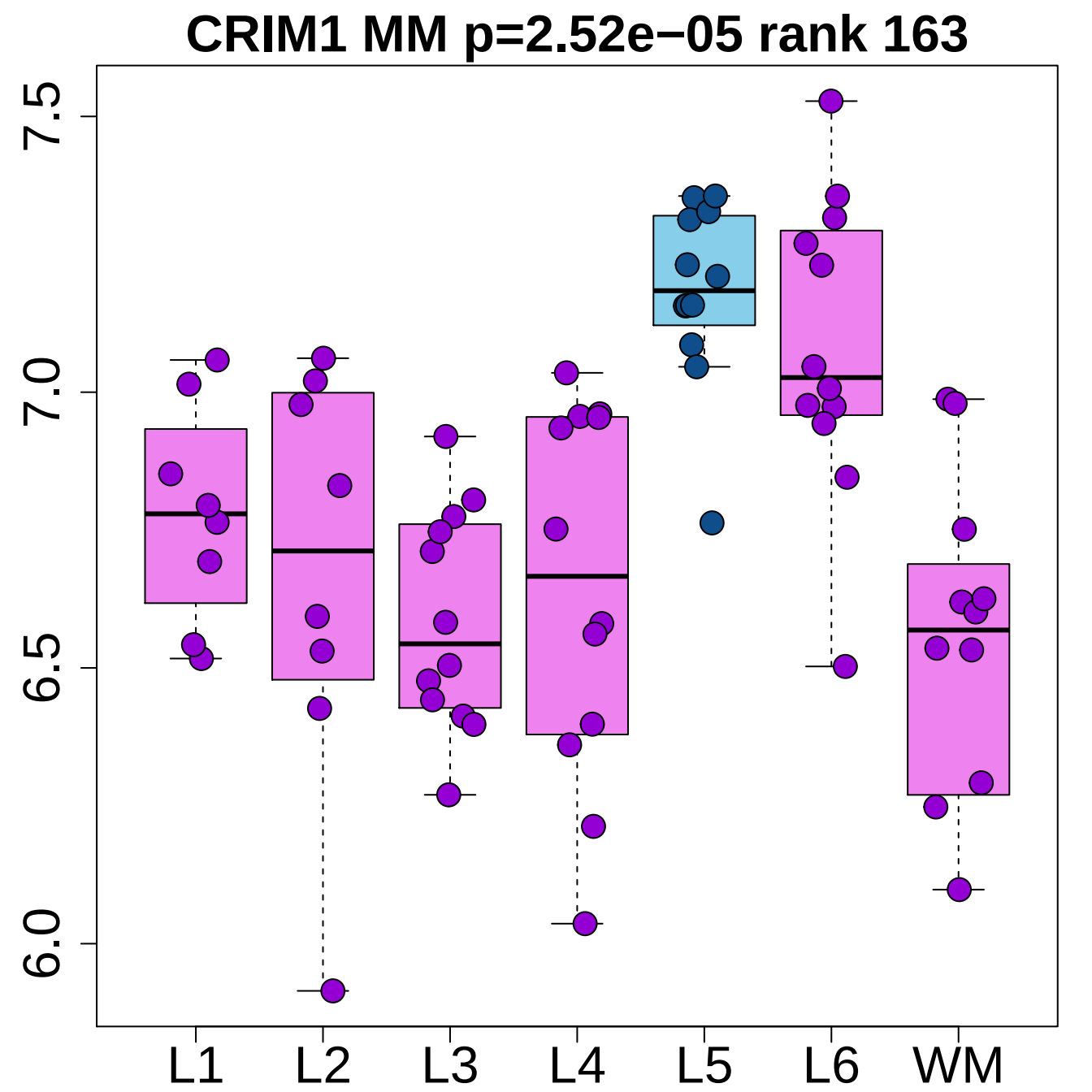

UNC5D MM p=4.63e−06 rank 1042
6.0
5.5
5.0
4.5
4.0
3.5
3.0
L1
L2
L3
L4
L5
L6
WM

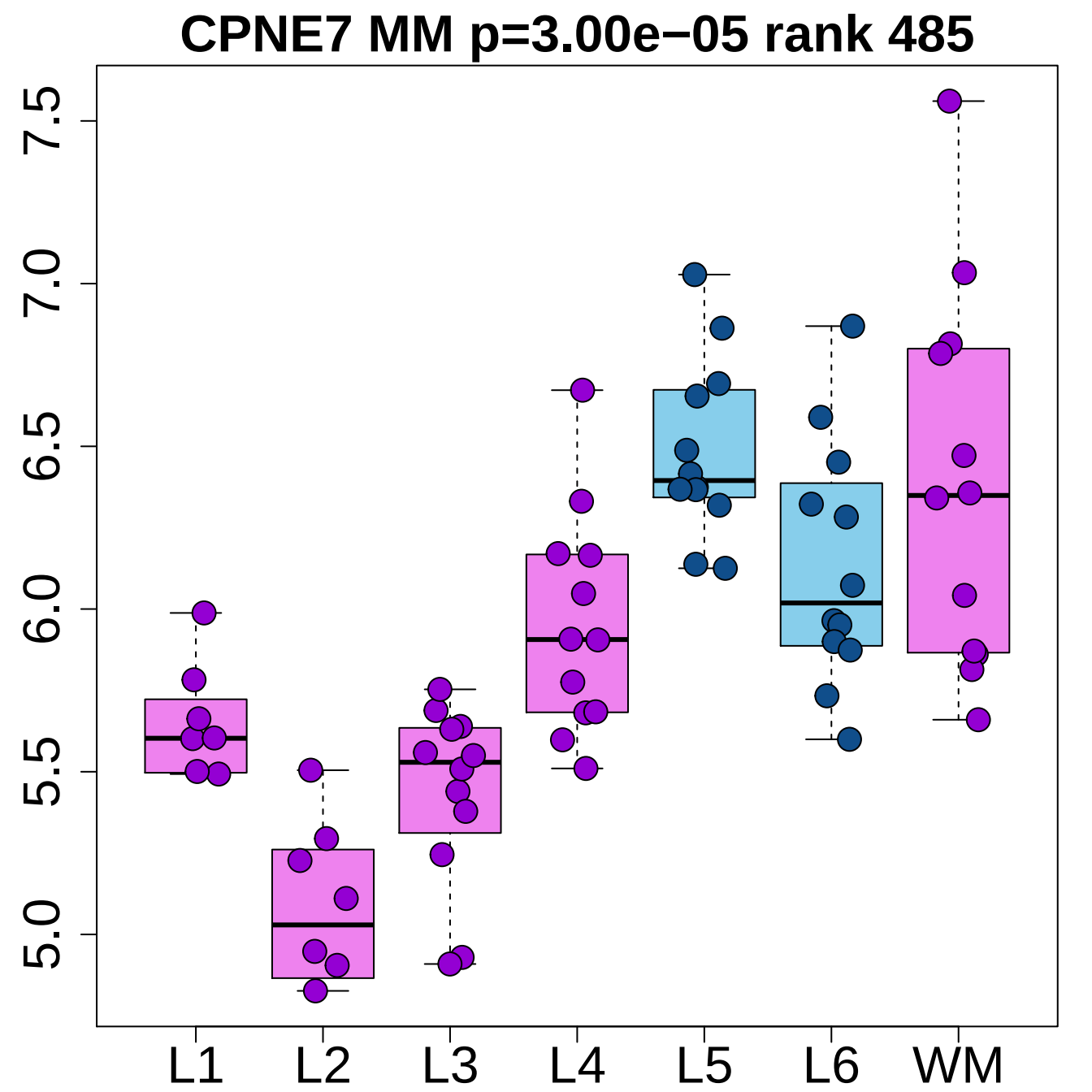

ATP2B4 MM p=8.51e−06 rank 318
8.5
8.0
7.5
L1
L2
L3
L4
L5
L6
WM

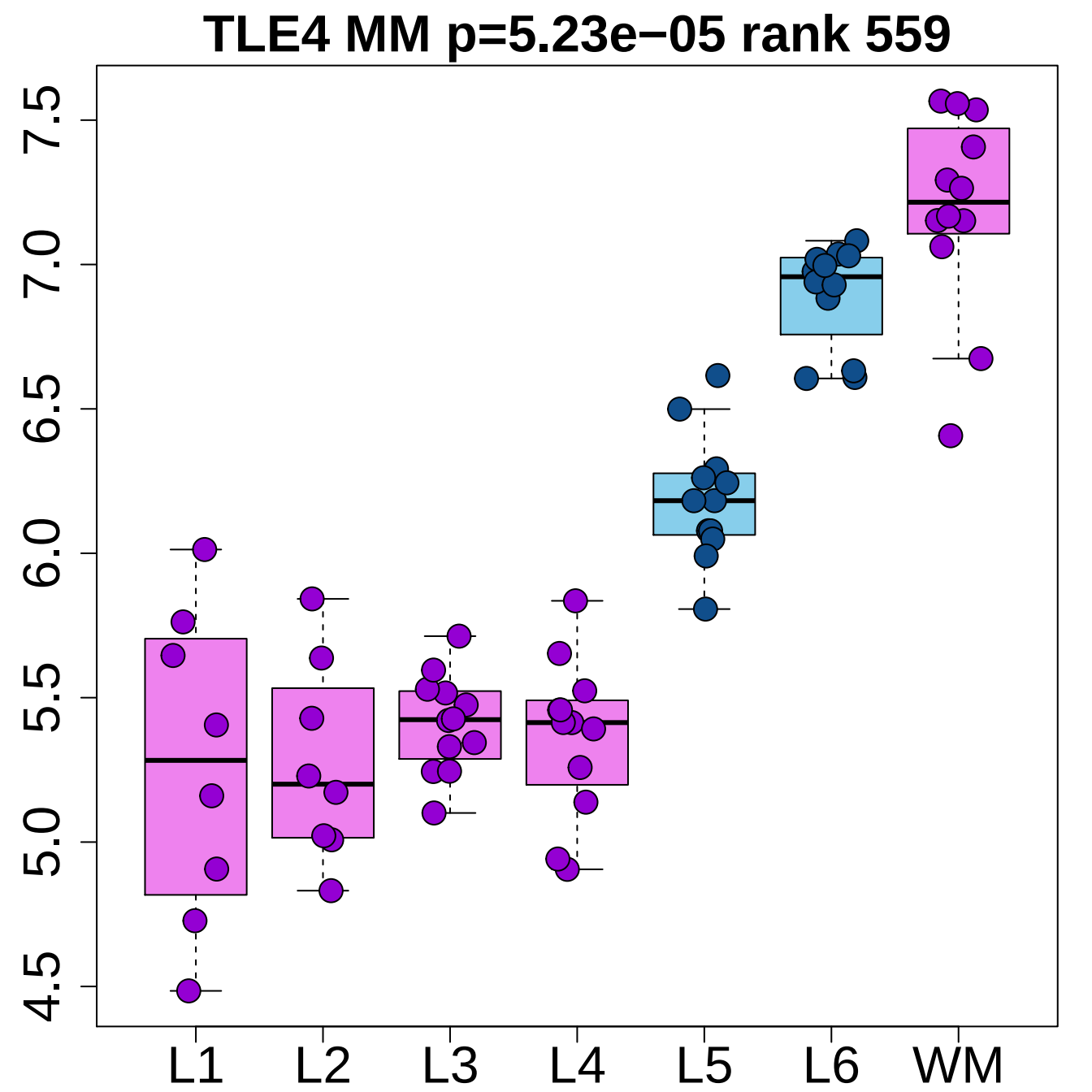

CNR1 MM p=1.15e−05 rank 137
8.5
8.0
7.5
7.0
6.5
6.0
5.5
L1
L2
L3
L4
L5
L6
WM

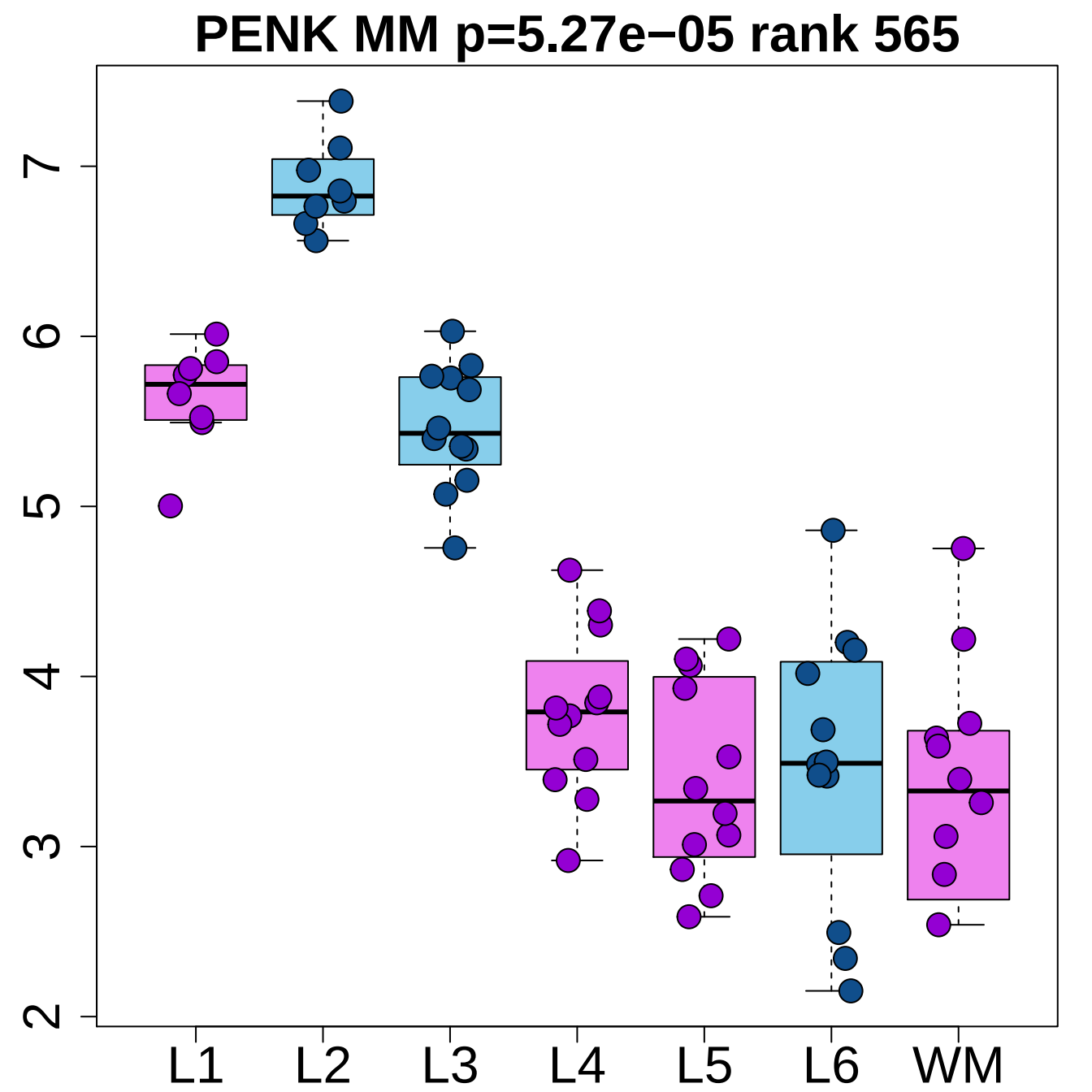

PCP4 MM p=1.15e−05 rank 2166
10
9
8
7
L1
L2
L3
L4
L5
L6
WM

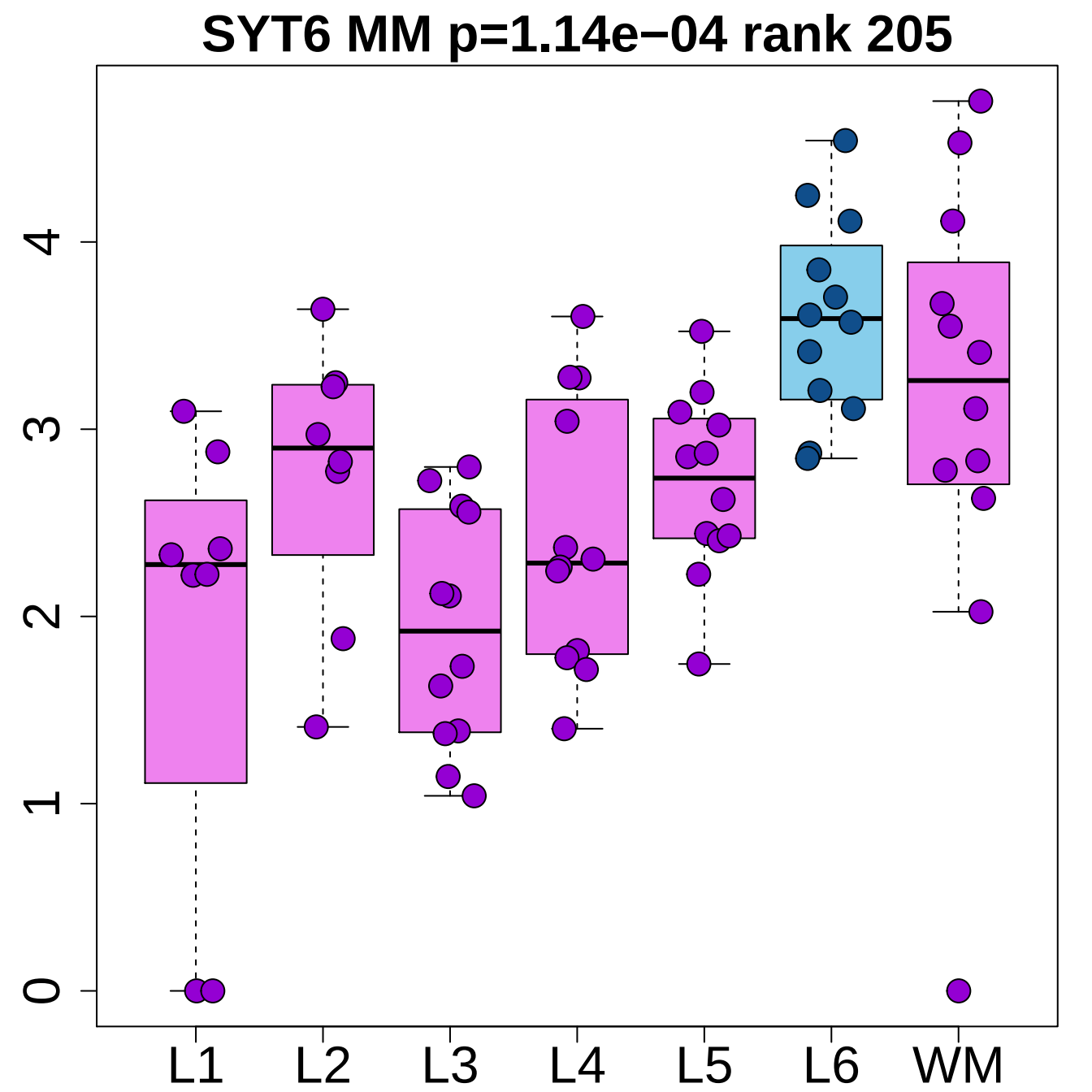

TLE4 MM p=1.48e−05 rank 114
7.5
7.0
6.5
6.0
5.5
5.0
4.5
L1
L2
L3
L4
L5
L6
WM

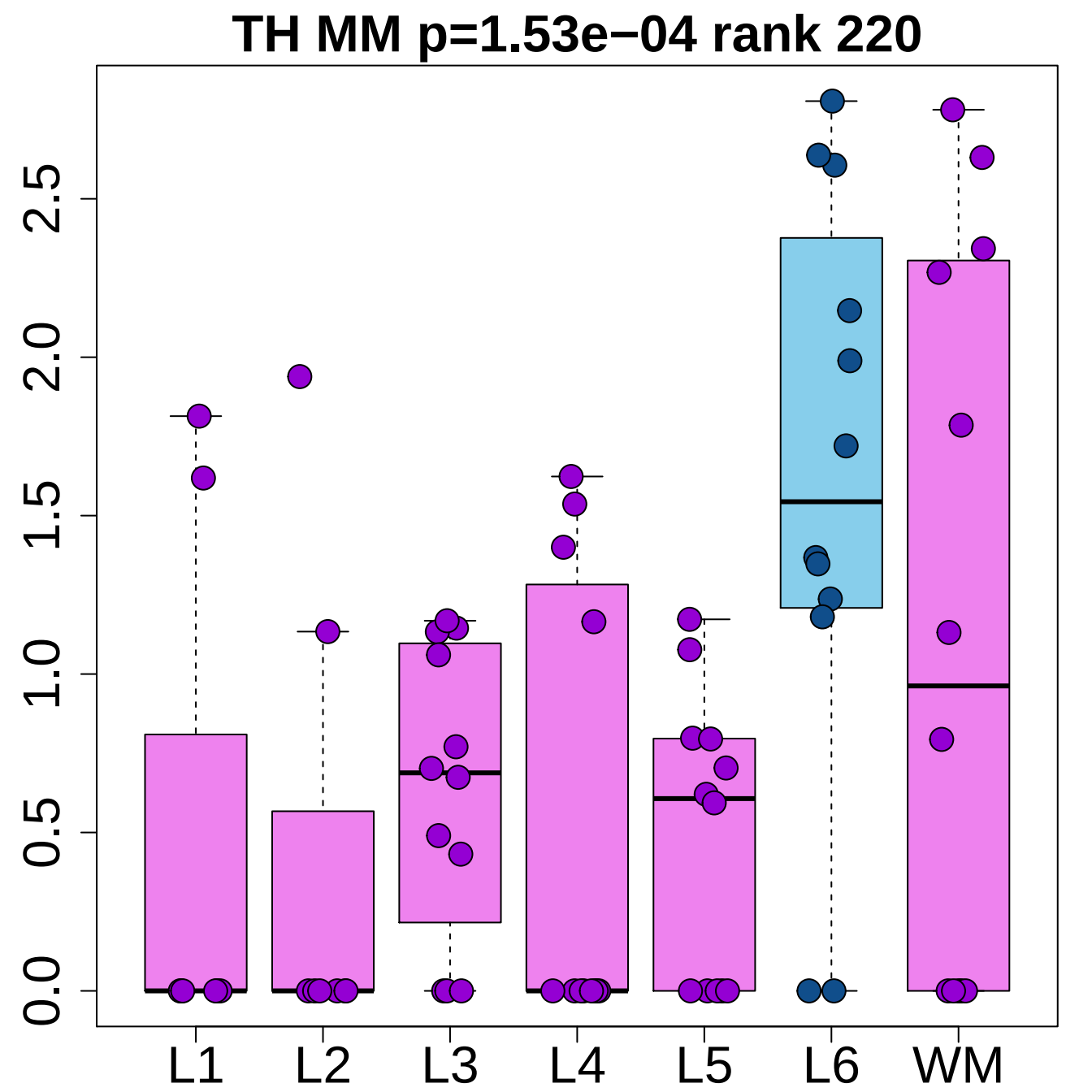

CRIM1 MM p=2.52e−05 rank 163
7.5
7.0
6.5
6.0
L1
L2
L3
L4
L5
L6
WM


CPNE7 MM p=3.00e−05 rank 485
7.5
7.0
6.5
6.0
5.5
5.0
L1
L2
L3
L4
L5
L6
WM


TLE4 MM p=5.23e−05 rank 559
7.5
7.0
6.5
6.0
5.5
5.0
4.5
L1
L2
L3
L4
L5
L6
WM


PENK MM p=5.27e−05 rank 565
7
6
5
4
3
2
L1
L2
L3
L4
L5
L6
WM


SYT6 MM p=1.14e−04 rank 205
0
1
2
3
4
L1
L2
L3
L4
L5
L6
WM


TH MM p=1.53e−04 rank 220
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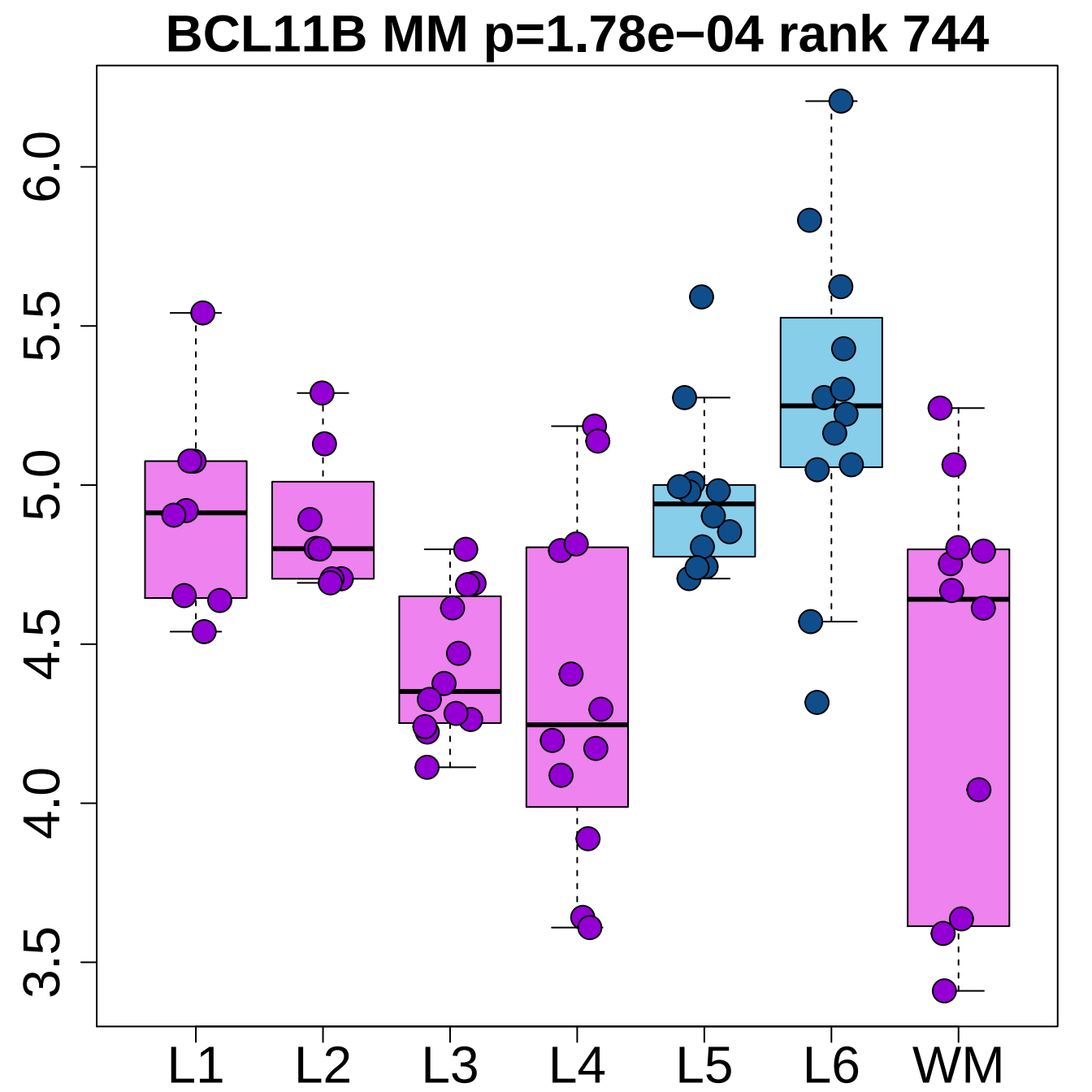
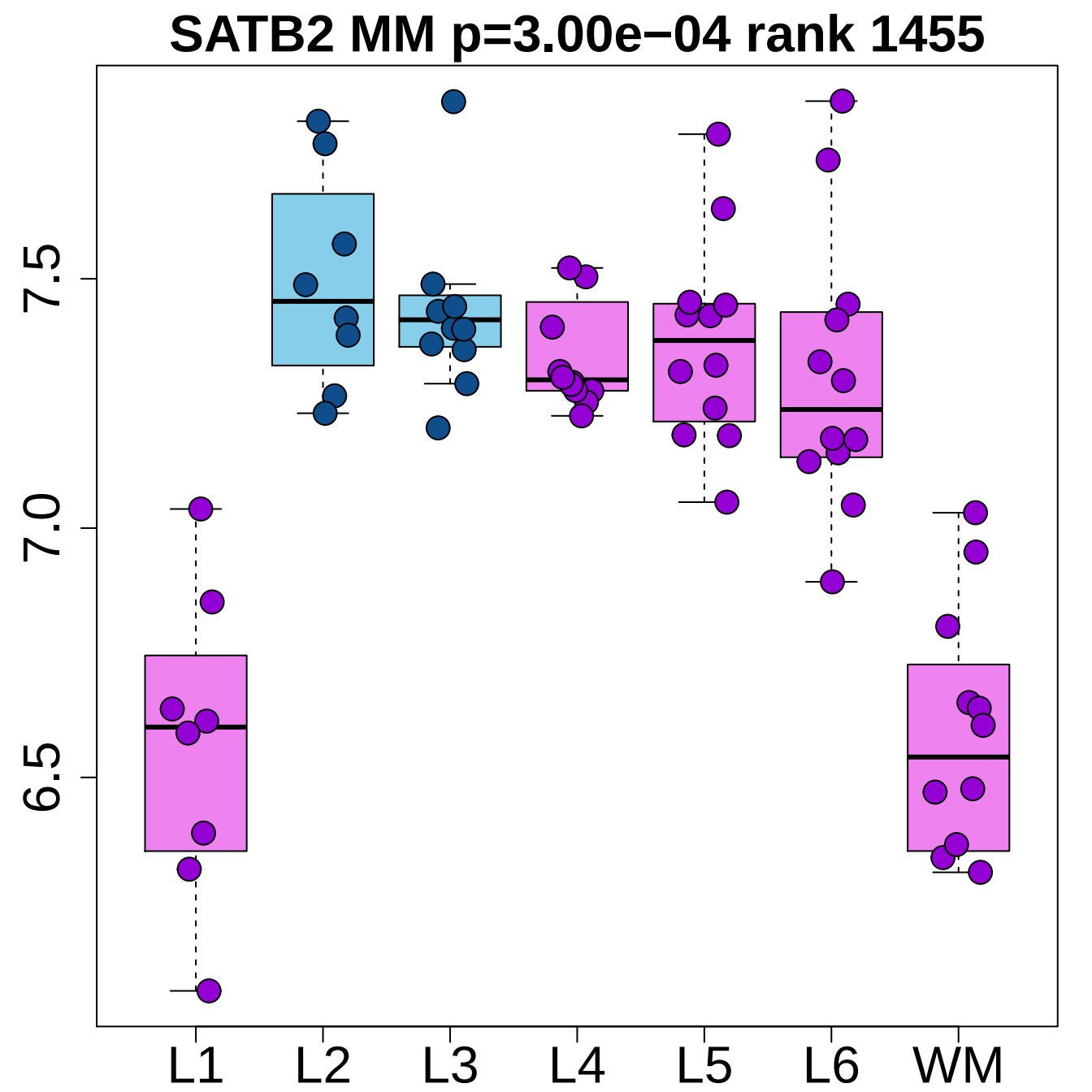
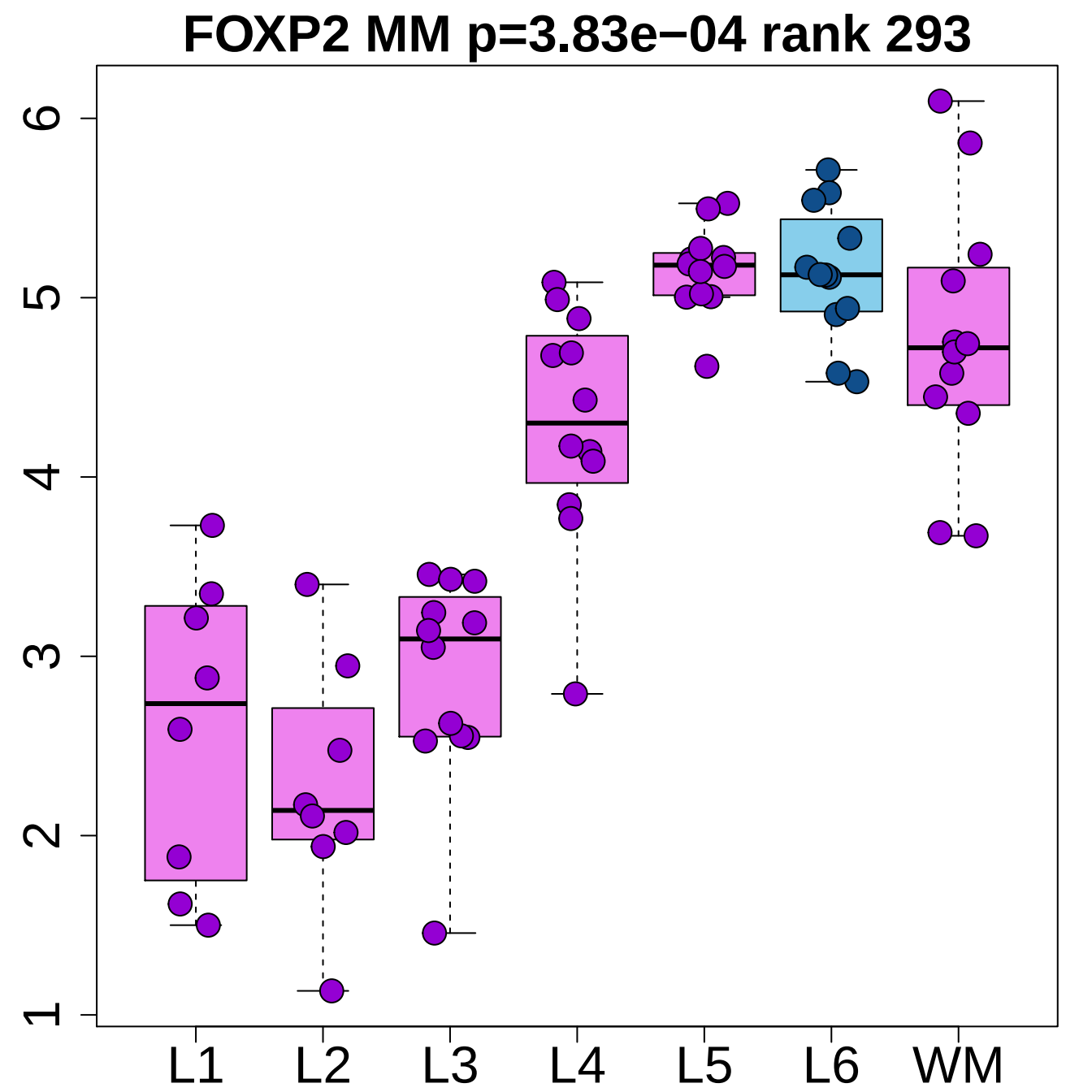
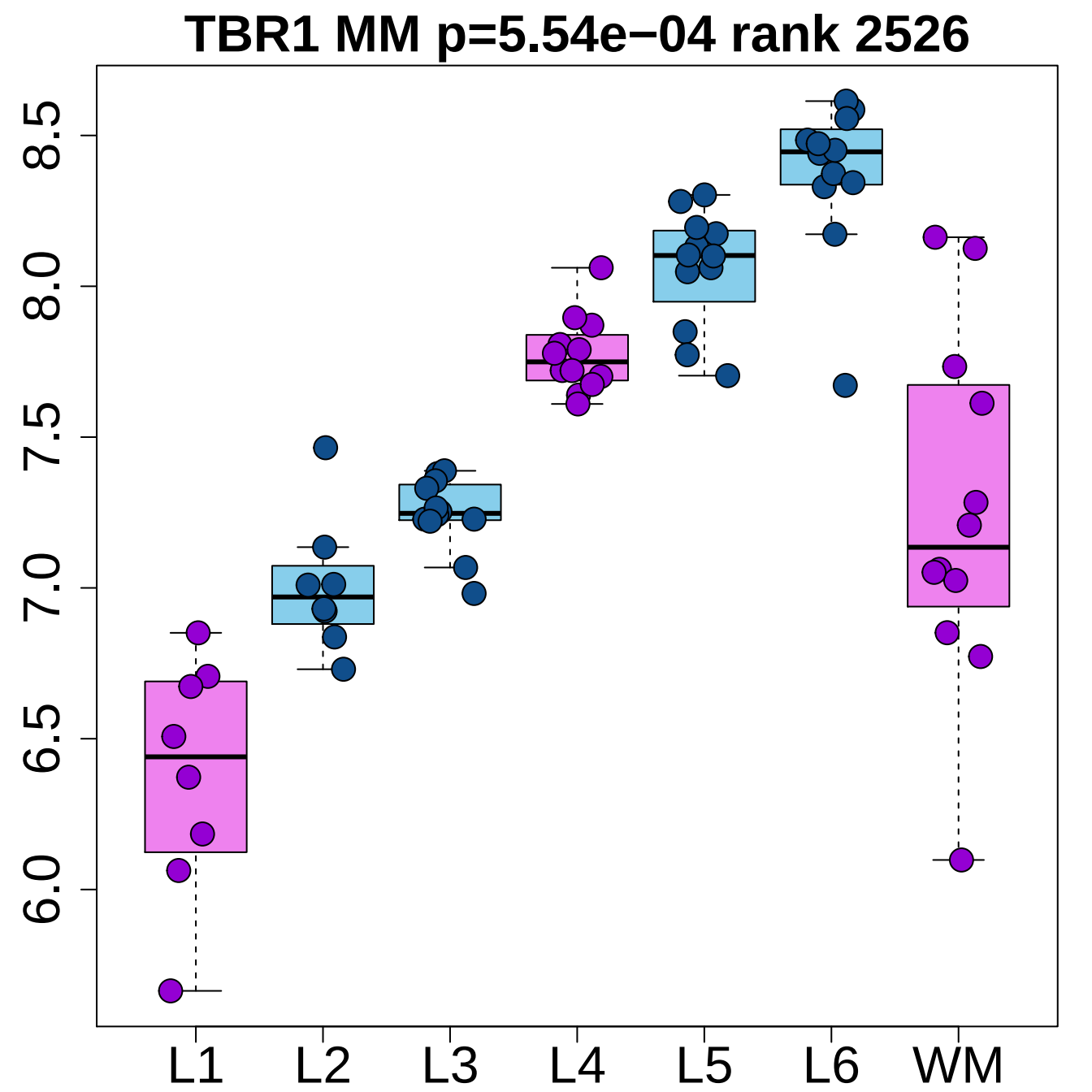
0.5
1.0
1.5
2.0
2.5
L1
L2
L3
L4
L5
L6
WM


BCL11B MM p=1.78e−04 rank 744
6.0
5.5
5.0
4.5
4.0
3.5
L1
L2
L3
L4
L5
L6
WM


SATB2 MM p=3.00e−04 rank 1455
7.5
7.0
6.5
L1
L2
L3
L4
L5
L6
WM


FOXP2 MM p=3.83e−04 rank 293
1
2
3
4
5
6
L1
L2
L3
L4
L5
L6
WM


TBR1 MM p=5.54e−04 rank 2526
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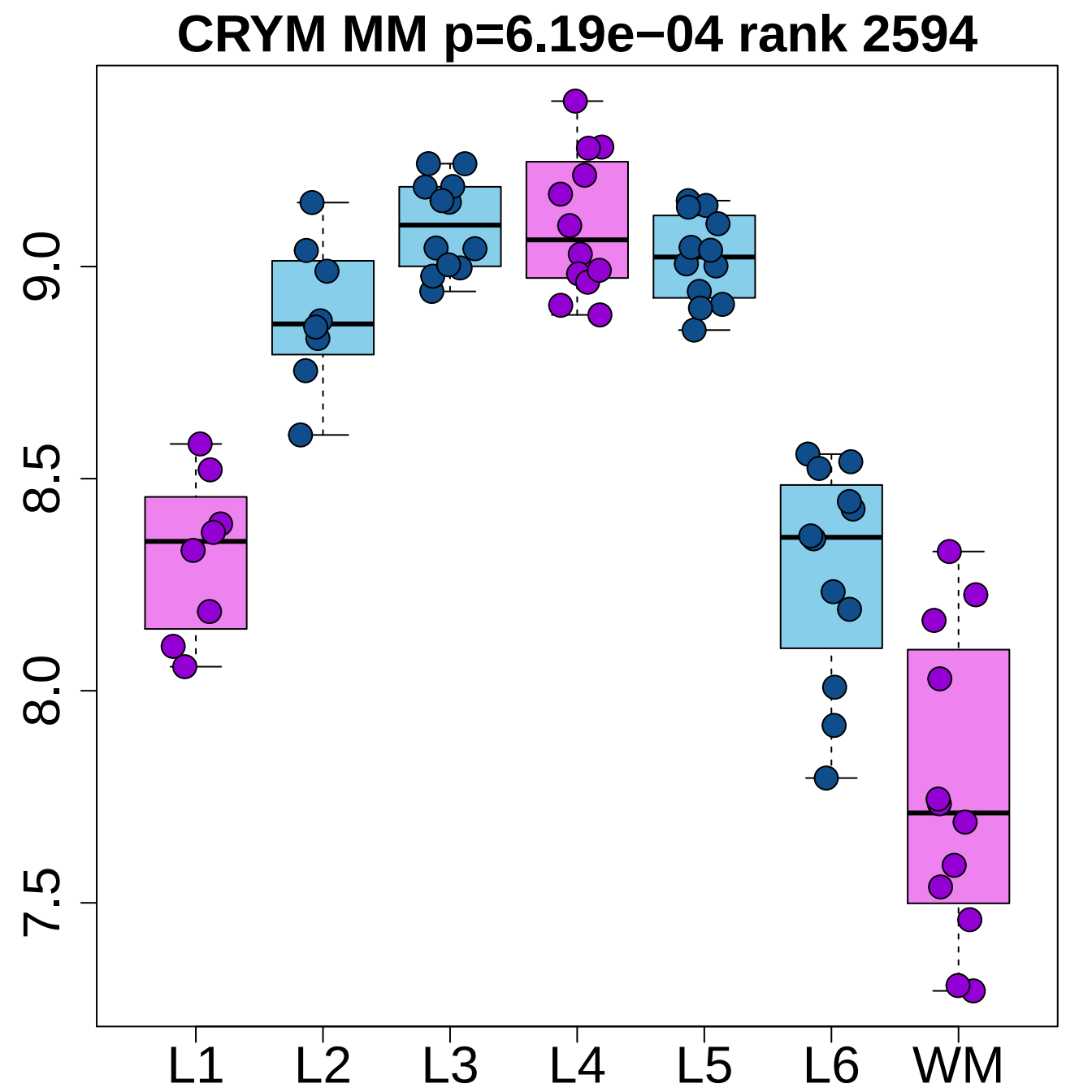
8.0
7.5
7.0
6.5
6.0
L1
L2
L3
L4
L5
L6
WM


CRYM MM p=6.19e−04 rank 2594
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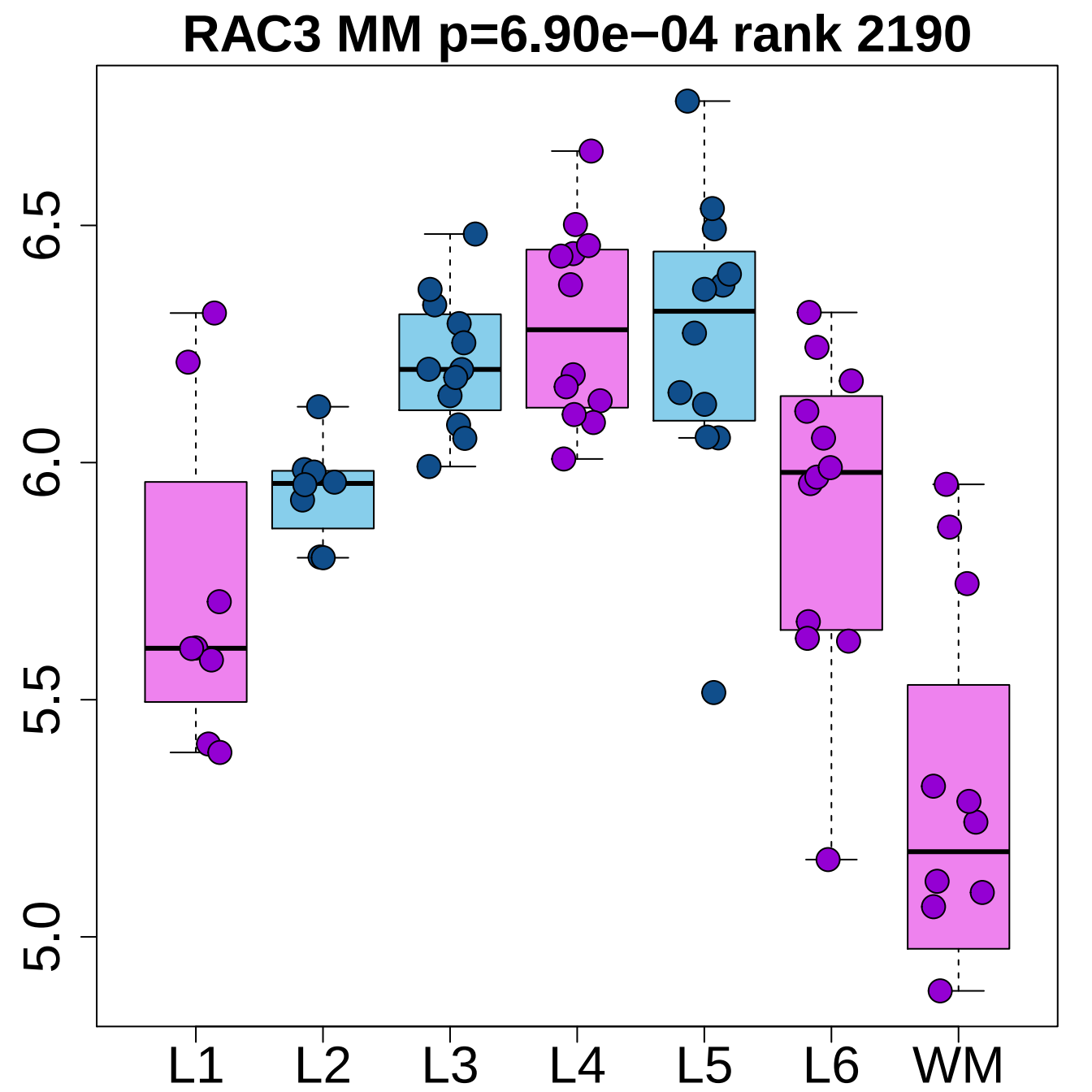
8.5
8.0
7.5
L1
L2
L3
L4
L5
L6
WM


RAC3 MM p=6.90e−04 rank 2190
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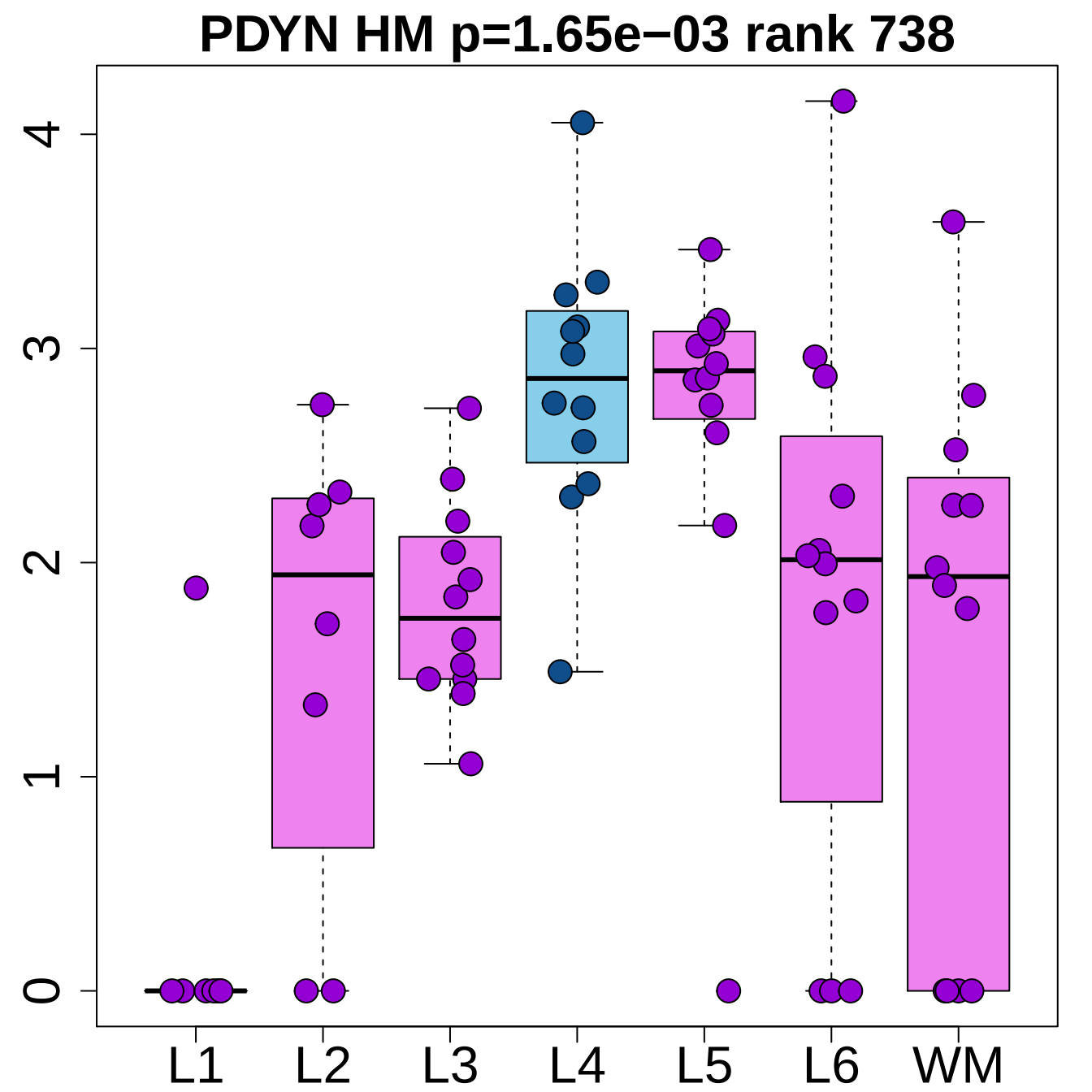
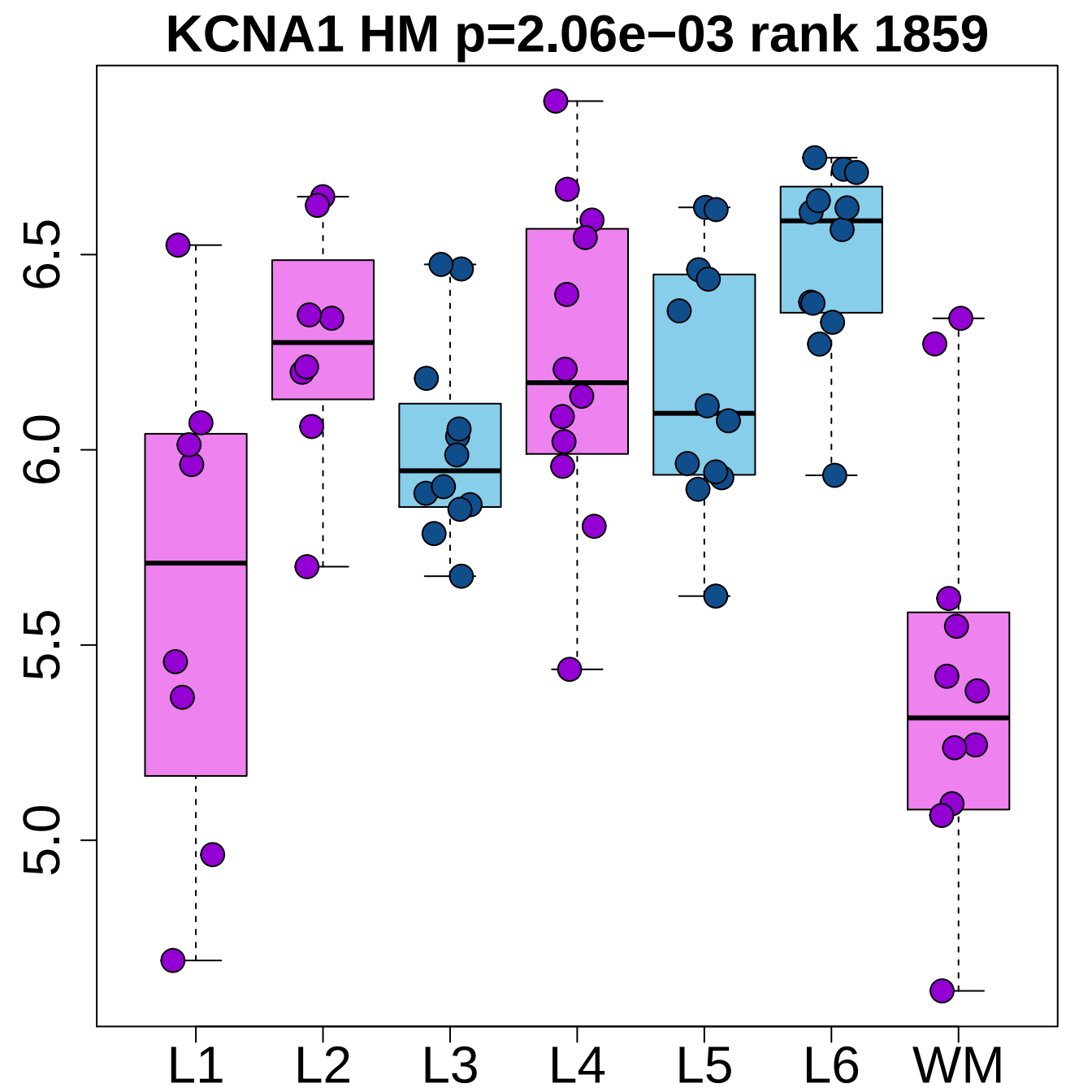
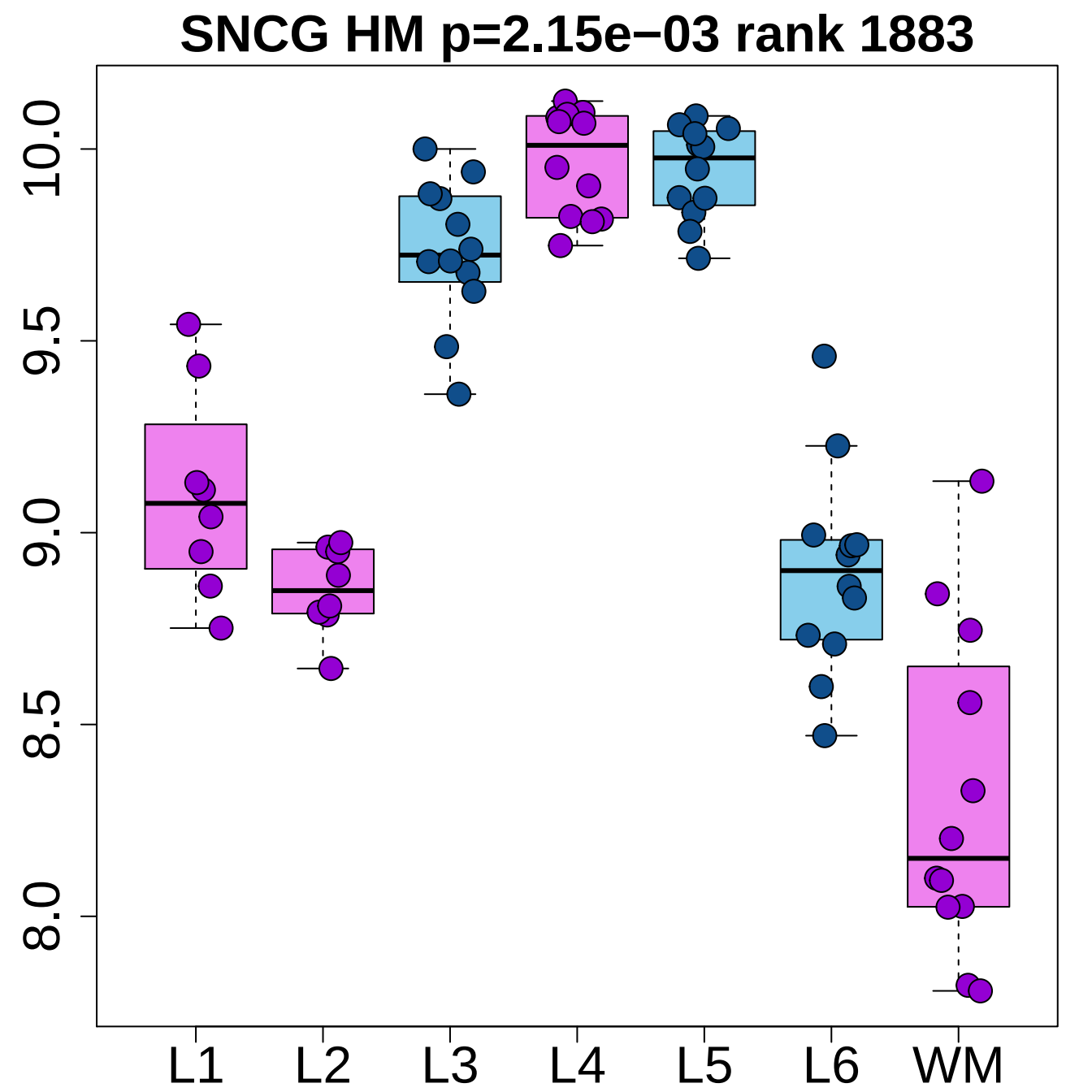
6.0
5.5
5.0
L1
L2
L3
L4
L5
L6
WM


PDYN HM p=1.65e−03 rank 738
0
1
2
3
4
L1
L2
L3
L4
L5
L6
WM


KCNA1 HM p=2.06e−03 rank 1859
6.5
6.0
5.5
5.0
L1
L2
L3
L4
L5
L6
WM


SNCG HM p=2.15e−03 rank 1883
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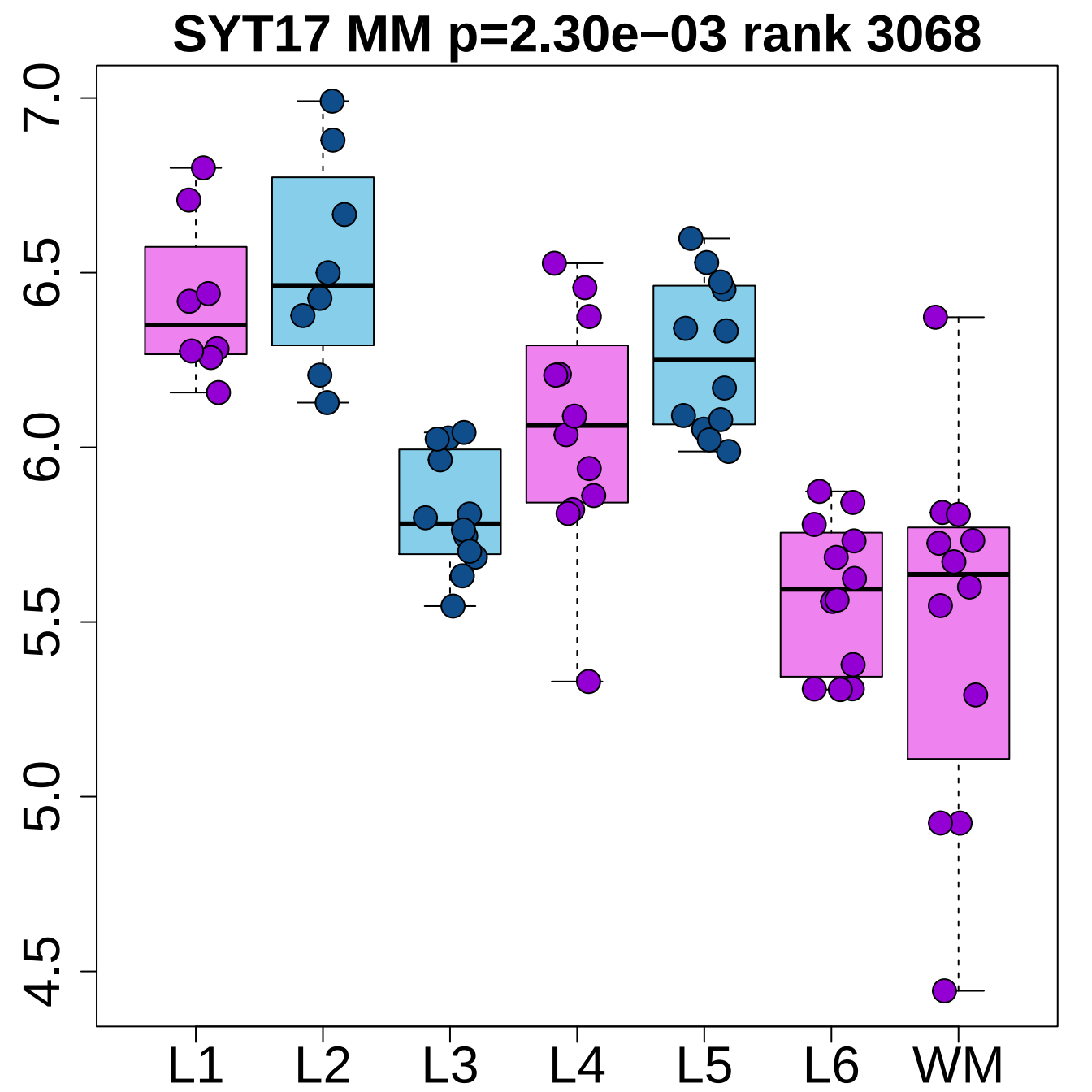
9.5
9.0
8.5
8.0
L1
L2
L3
L4
L5
L6
WM


SYT17 MM p=2.30e−03 rank 3068
7.0
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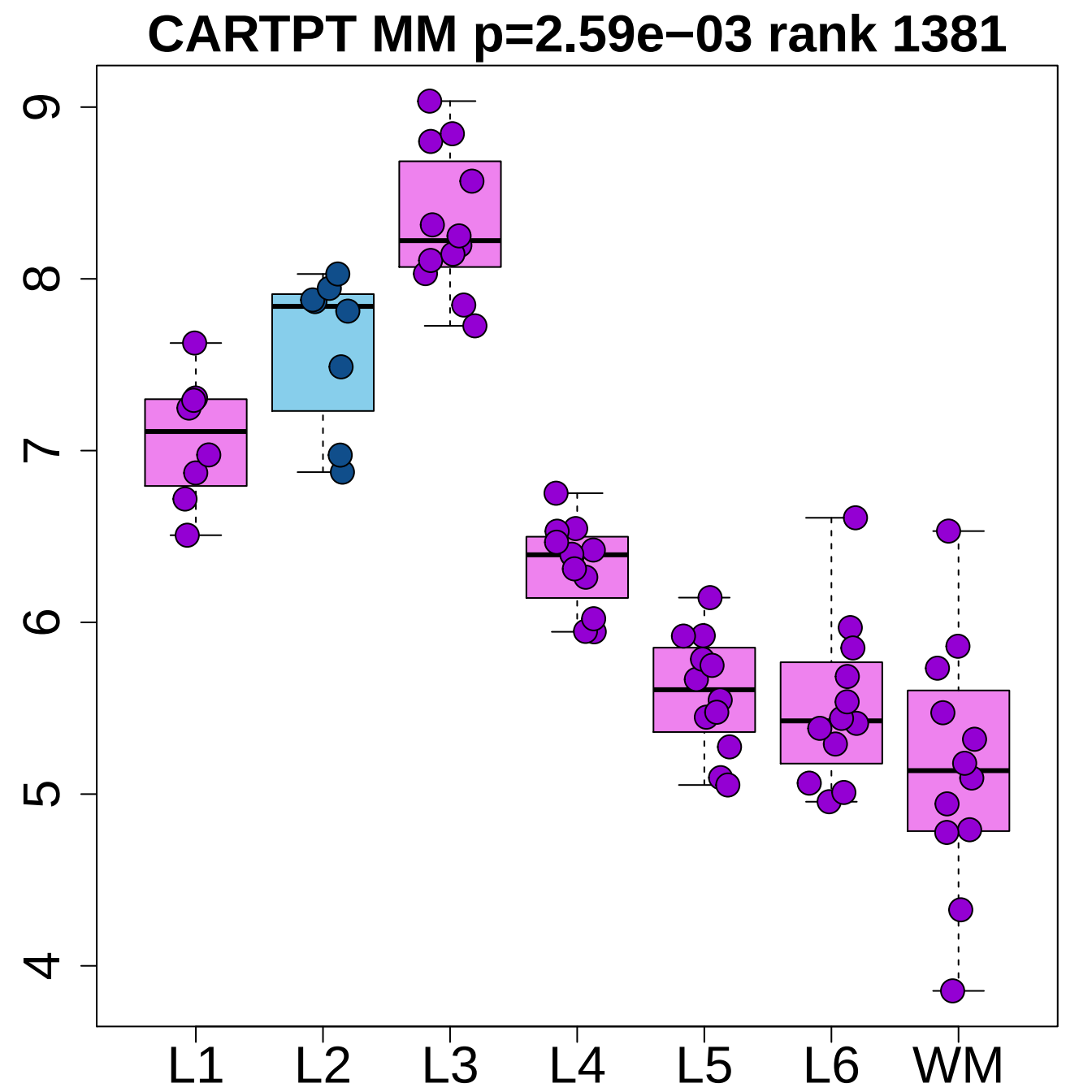
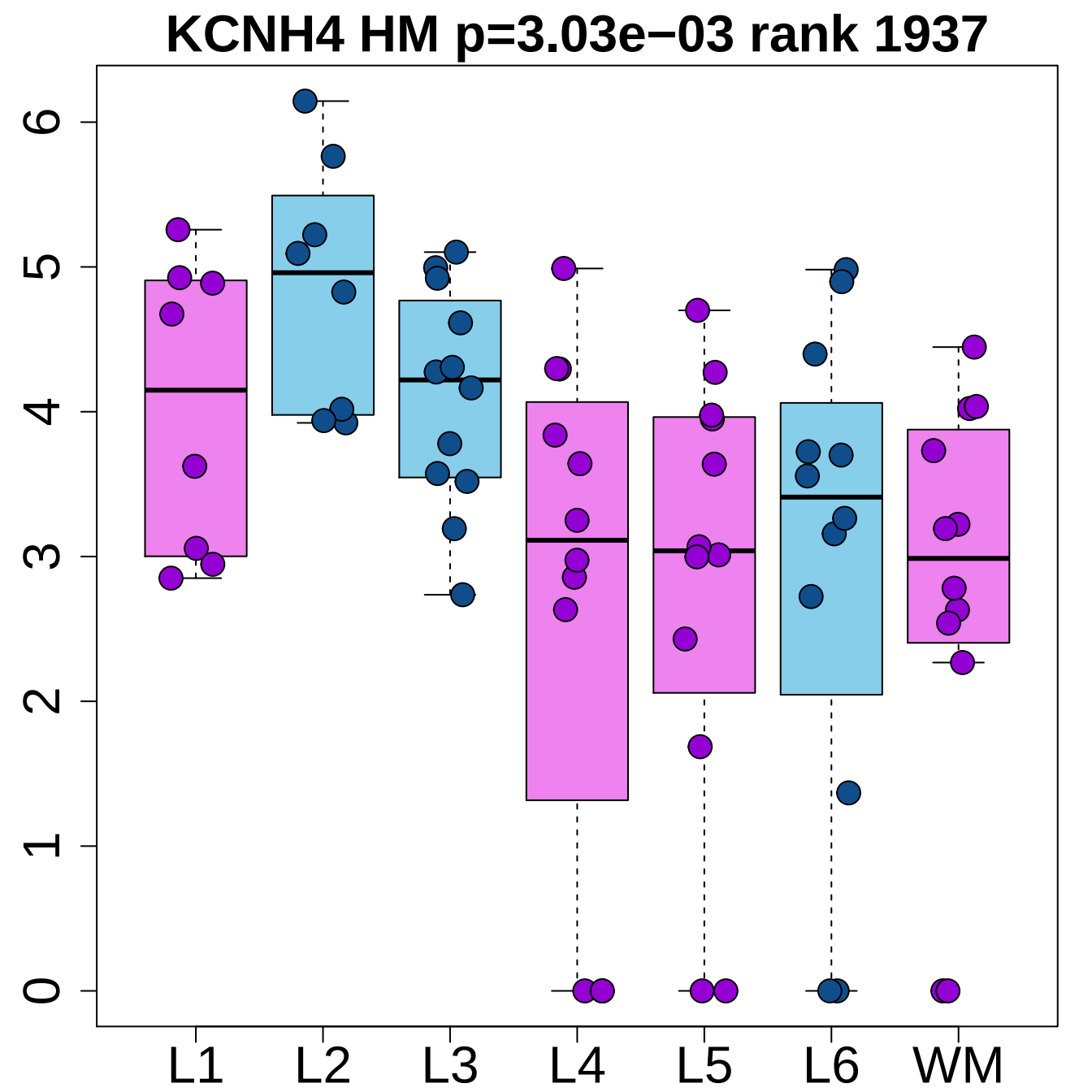
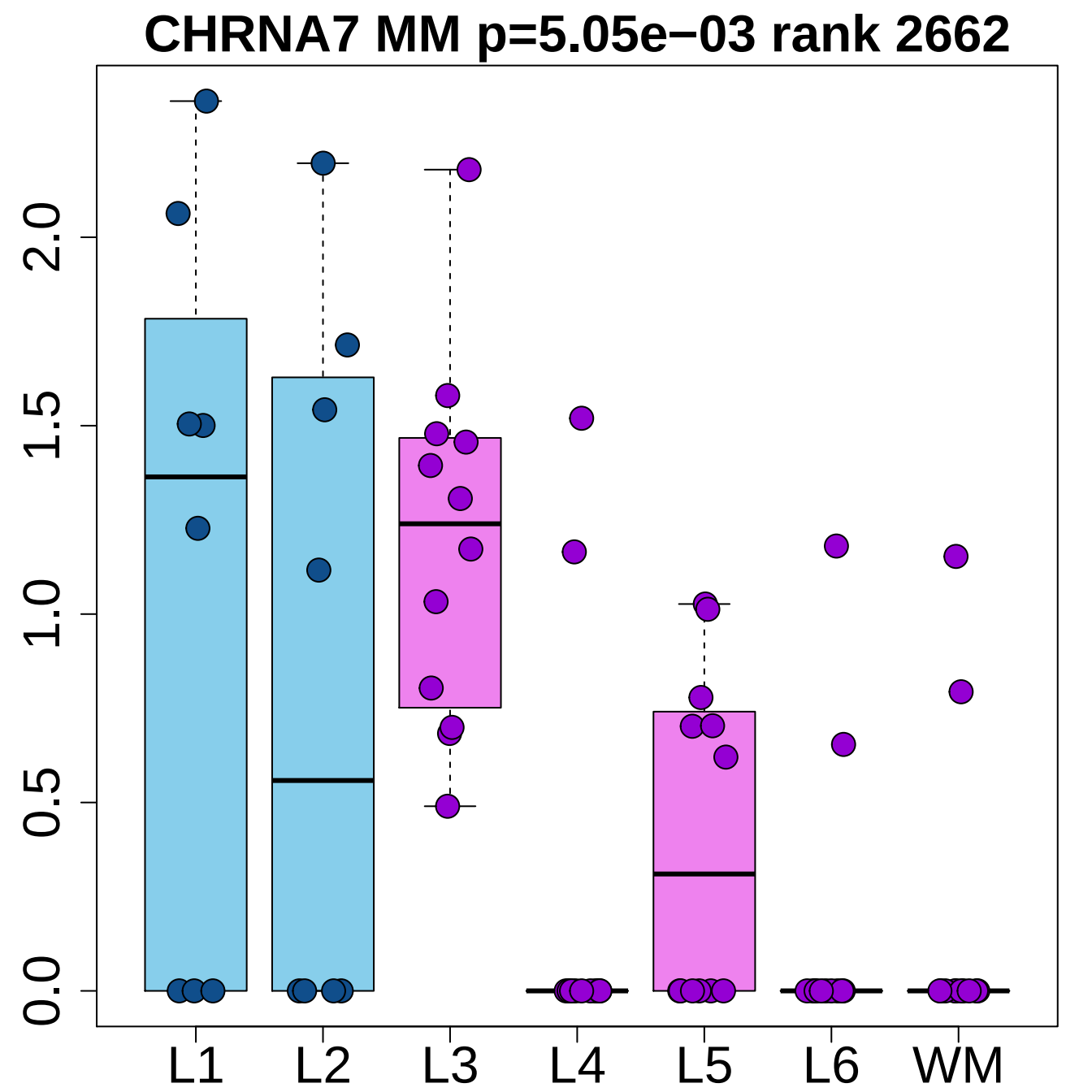
6.0
5.5
5.0
4.5
L1
L2
L3
L4
L5
L6
WM


CARTPT MM p=2.59e−03 rank 1381
9
8
7
6
5
4
L1
L2
L3
L4
L5
L6
WM


KCNH4 HM p=3.03e−03 rank 1937
0
1
2
3
4
5
6
L1
L2
L3
L4
L5
L6
WM


CHRNA7 MM p=5.05e−03 rank 2662
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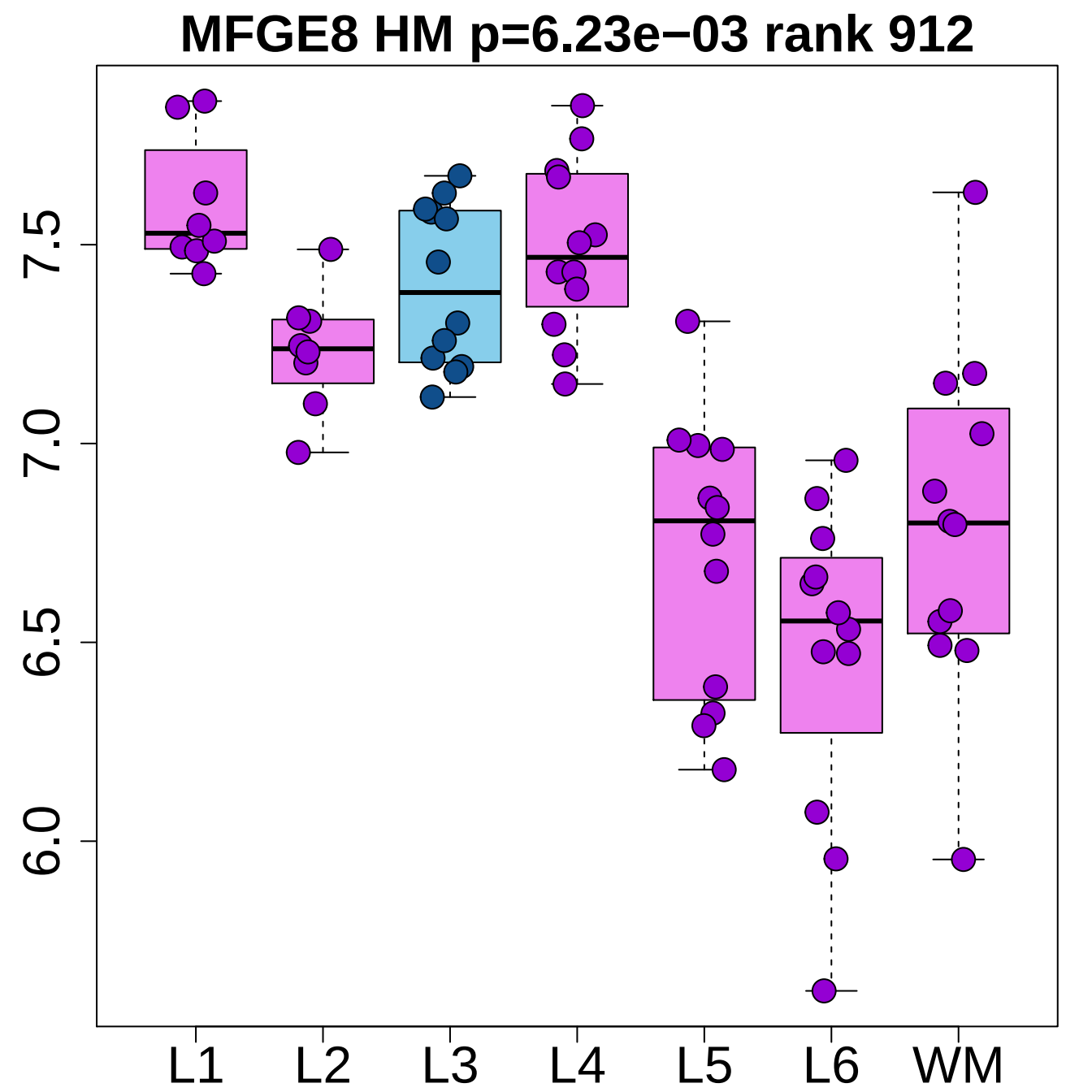
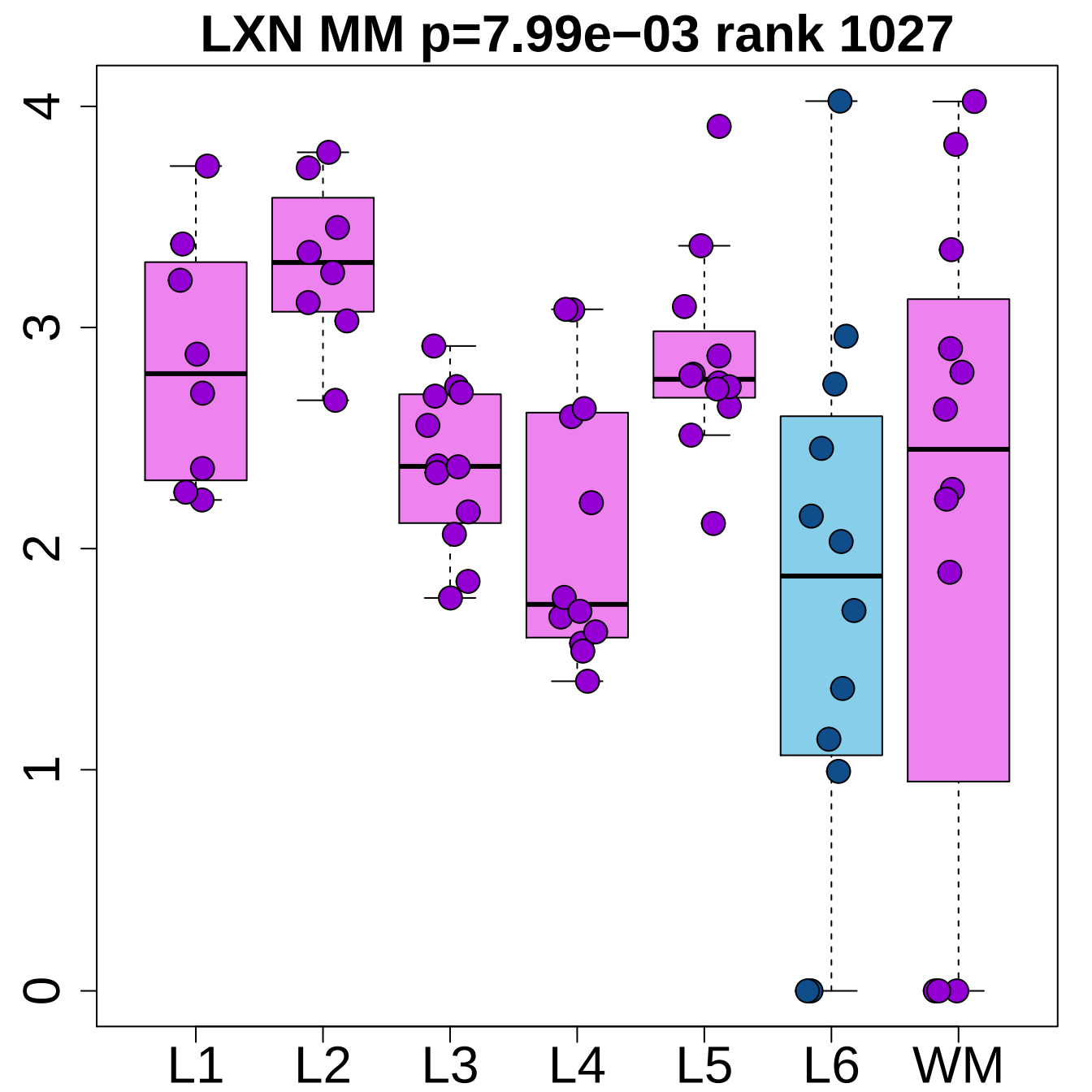
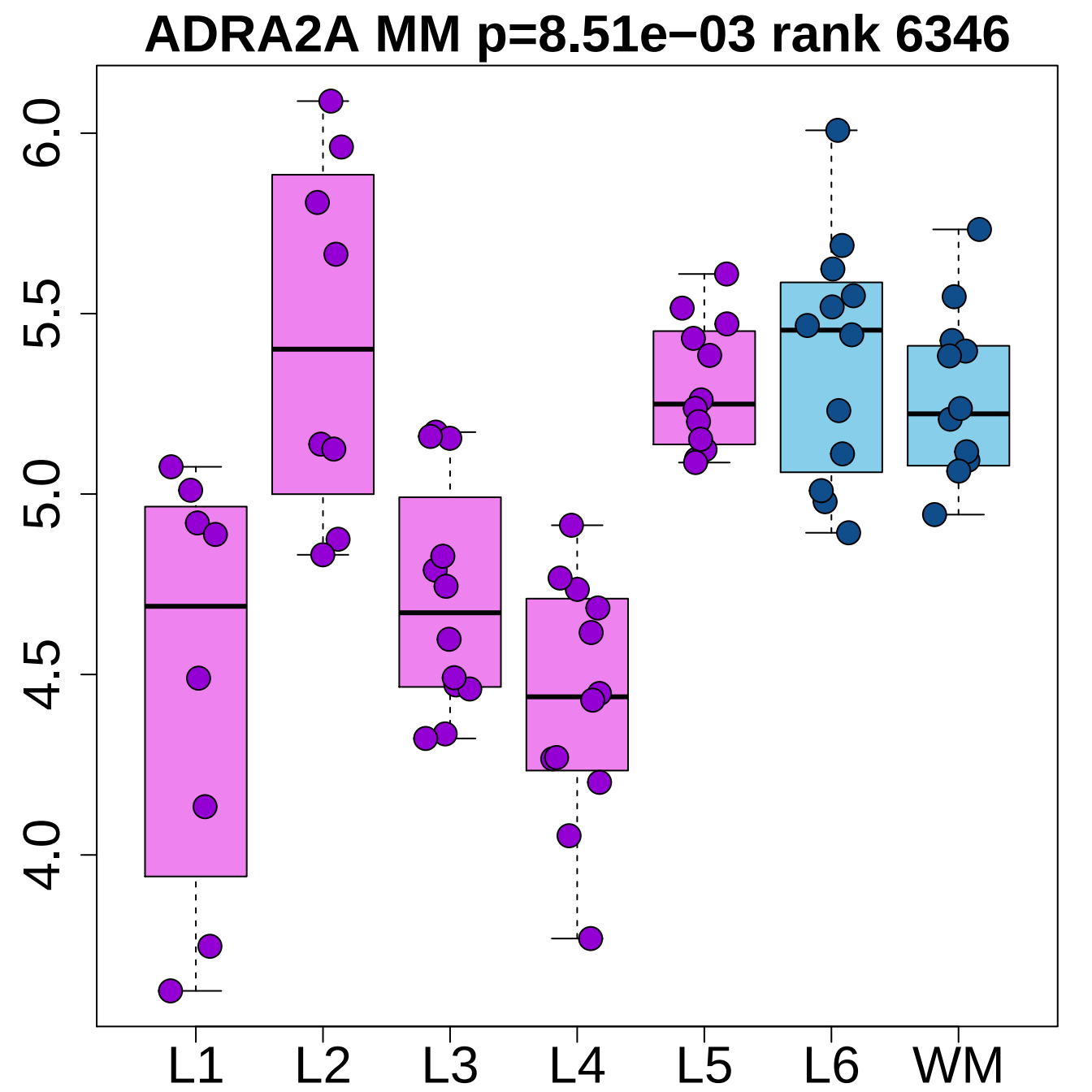
0.5
1.0
1.5
2.0
L1
L2
L3
L4
L5
L6
WM


MFGE8 HM p=6.23e−03 rank 912
7.5
7.0
6.5
6.0
L1
L2
L3
L4
L5
L6
WM


LXN MM p=7.99e−03 rank 1027
0
1
2
3
4
L1
L2
L3
L4
L5
L6
WM


ADRA2A MM p=8.51e−03 rank 6346
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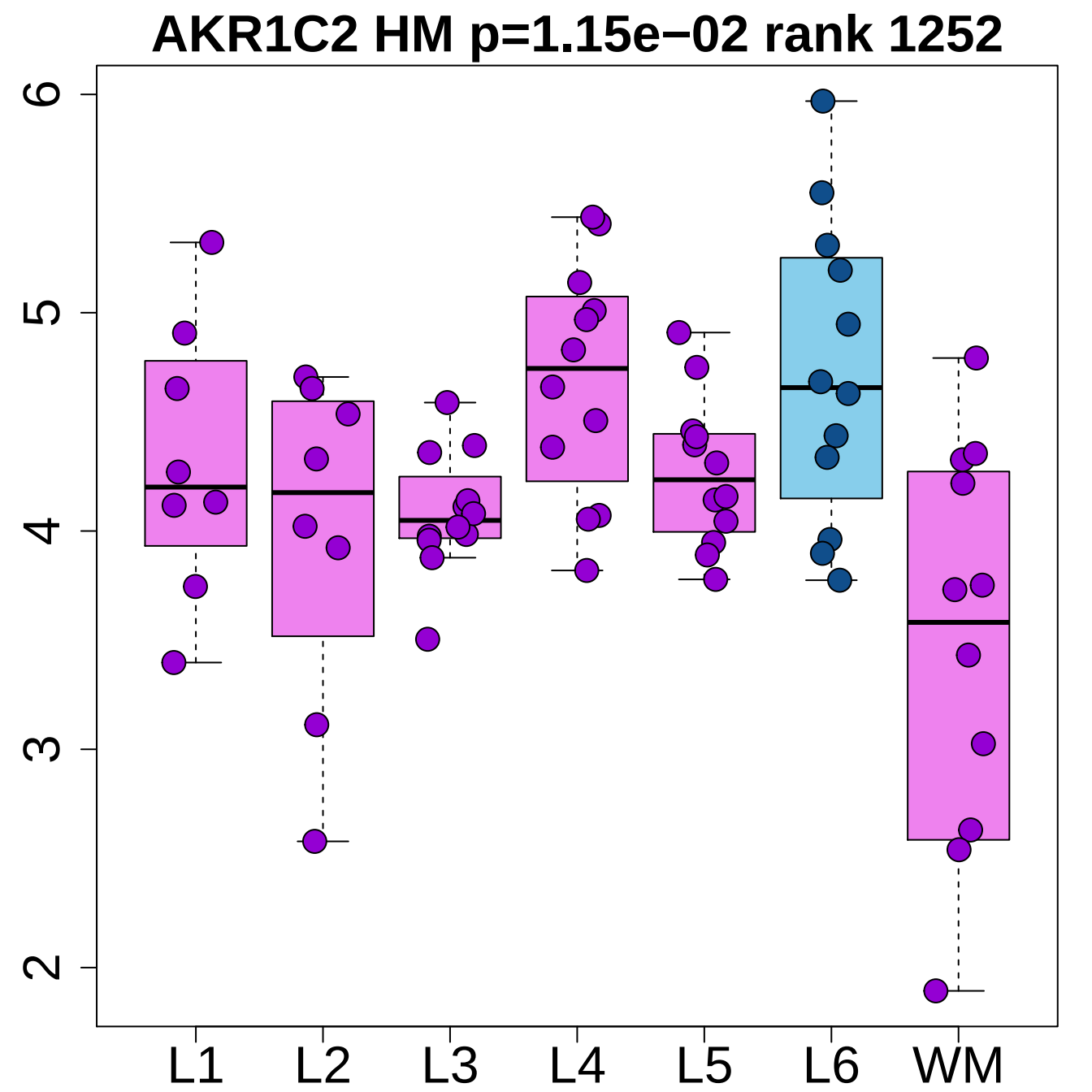
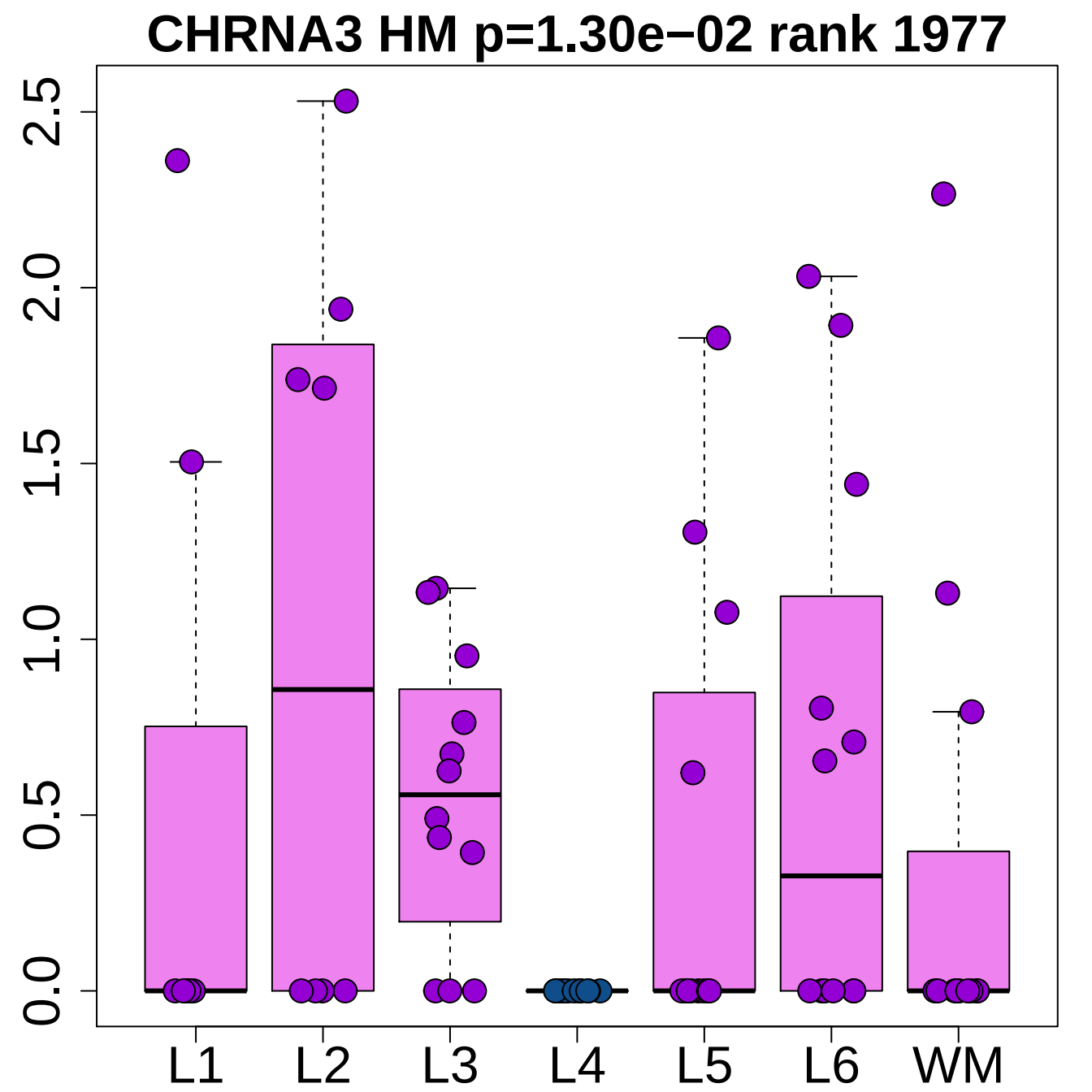
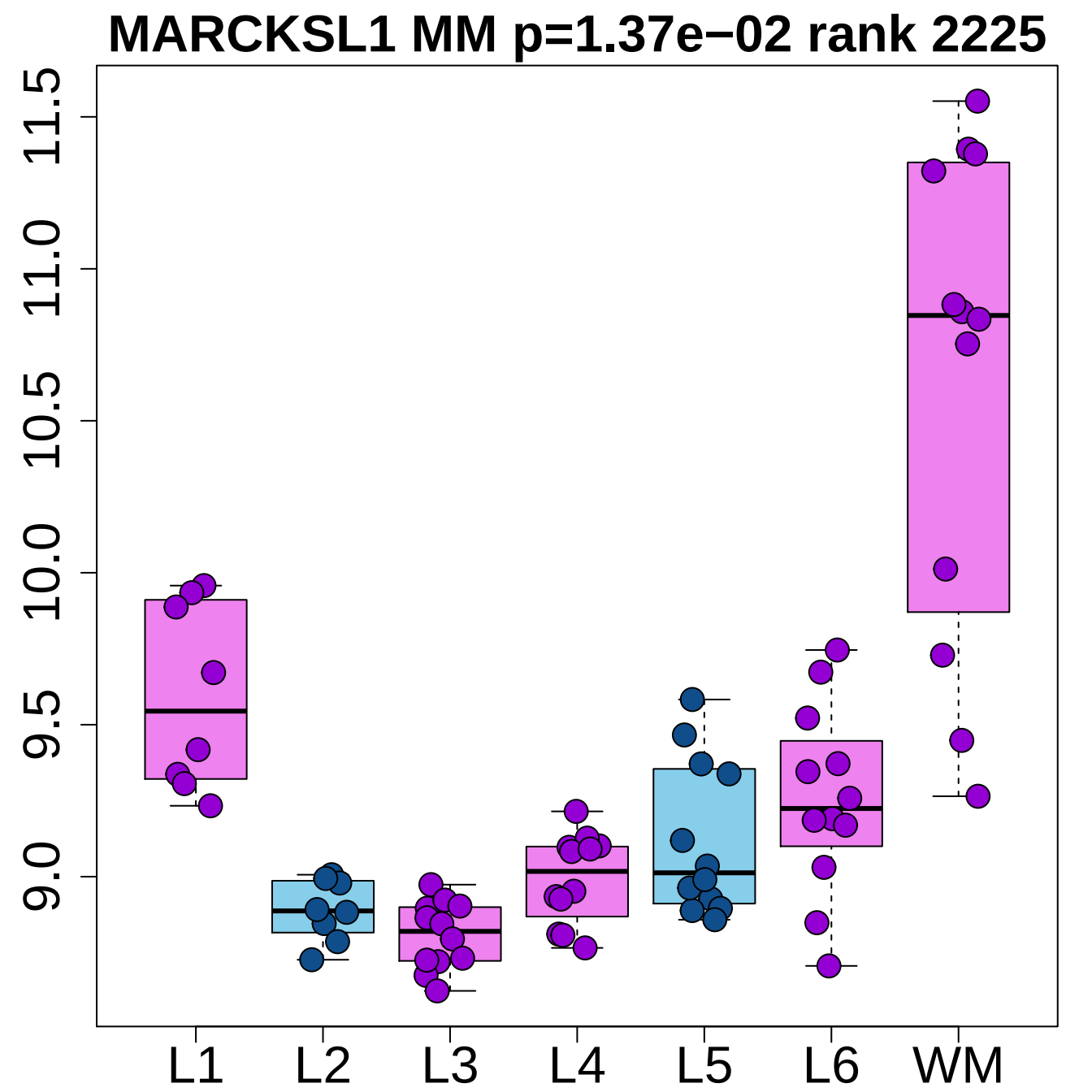
5.0
4.5
4.0
L1
L2
L3
L4
L5
L6
WM


AKR1C2 HM p=1.15e−02 rank 1252
6
5
4
3
2
L1
L2
L3
L4
L5
L6
WM


CHRNA3 HM p=1.30e−02 rank 1977
0.0
0.5
1.0
1.5
2.0
2.5
L1
L2
L3
L4
L5
L6
WM


MARCKSL1 MM p=1.37e−02 rank 2225
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10.0
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9.0
L1
L2
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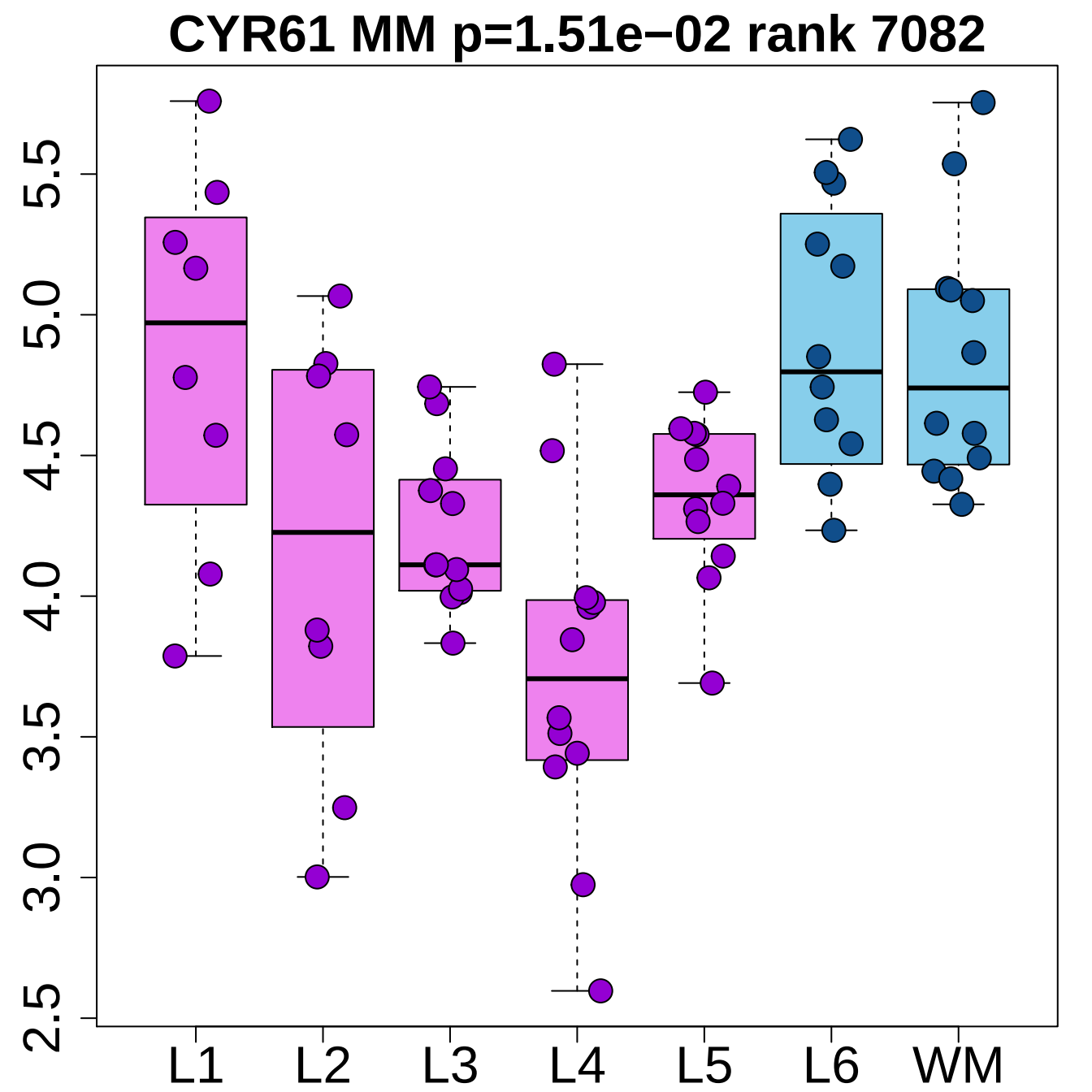
L4
L5
L6
WM


CYR61 MM p=1.51e−02 rank 7082
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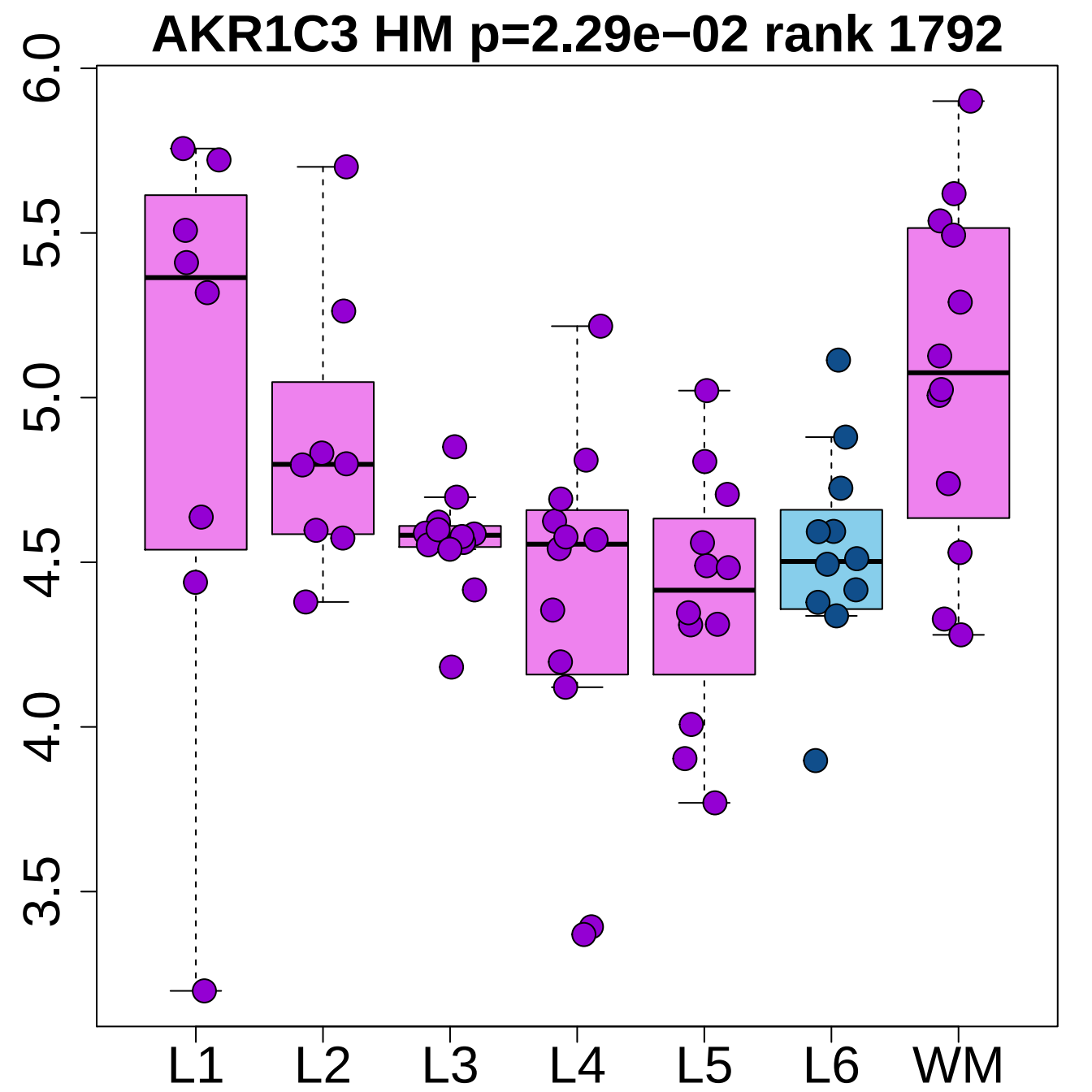
L1
L2
L3
L4
L5
L6
WM


AKR1C3 HM p=2.29e−02 rank 1792
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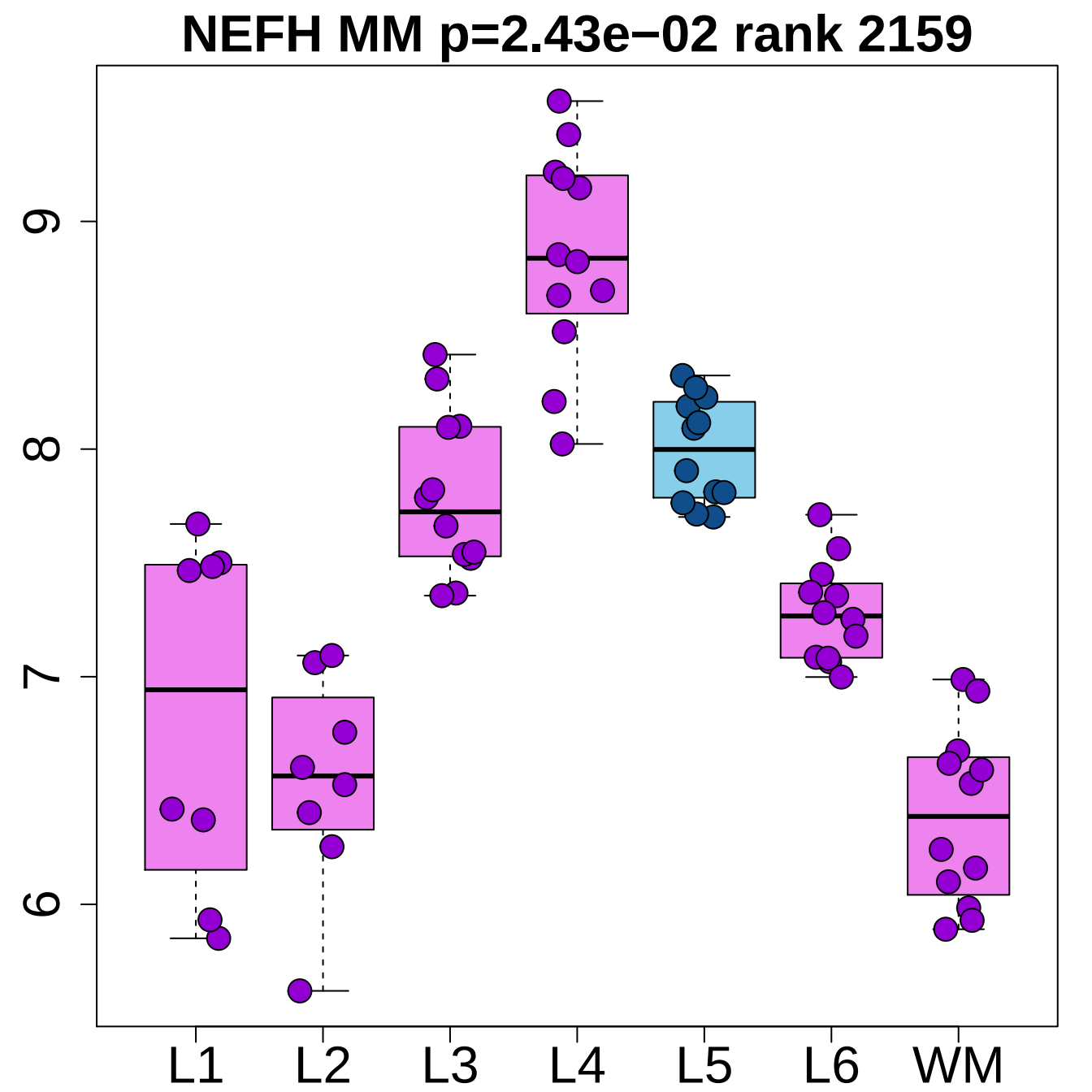
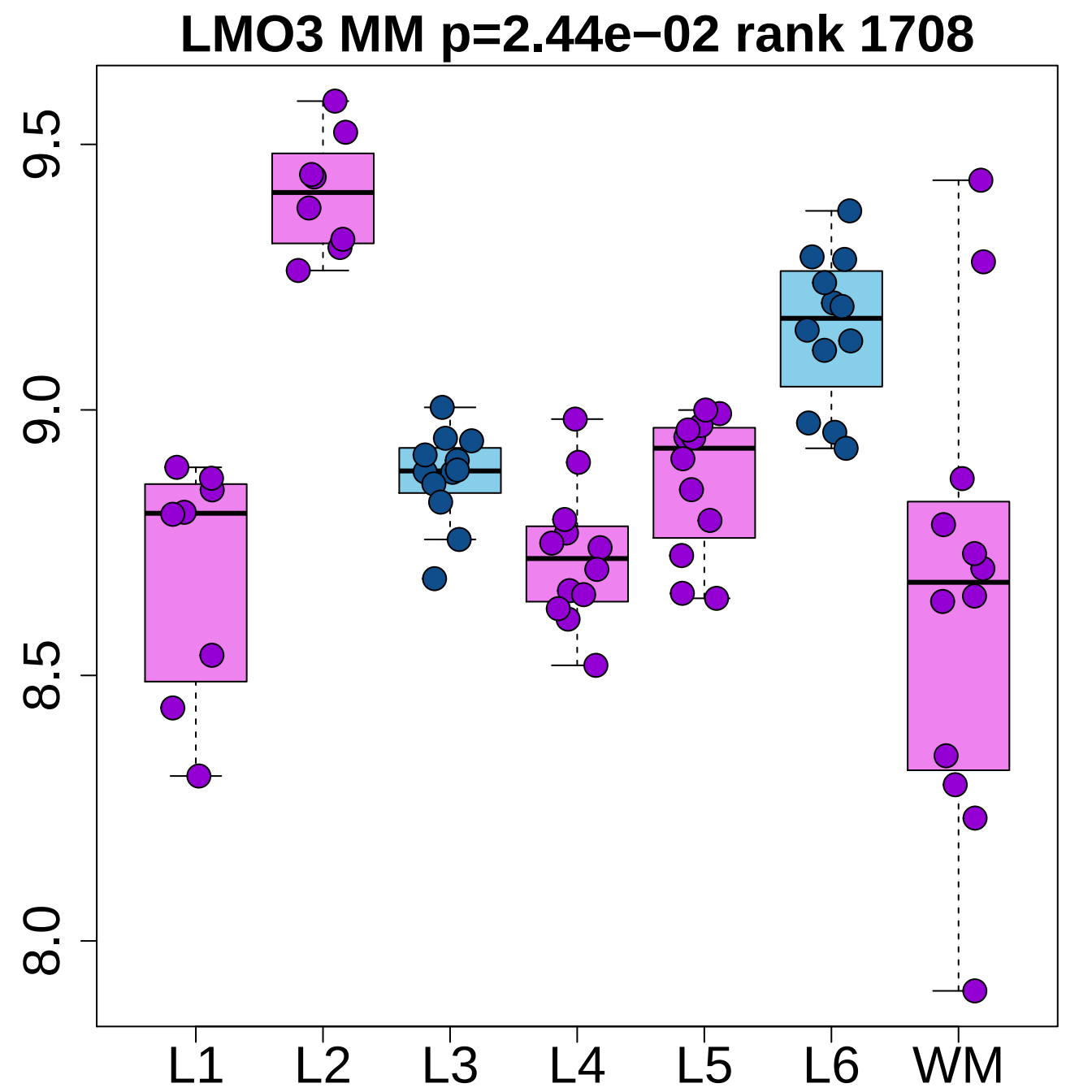
3.5
L1
L2
L3
L4
L5
L6
WM


NEFH MM p=2.43e−02 rank 2159
9
8
7
6
L1
L2
L3
L4
L5
L6
WM


LMO3 MM p=2.44e−02 rank 1708
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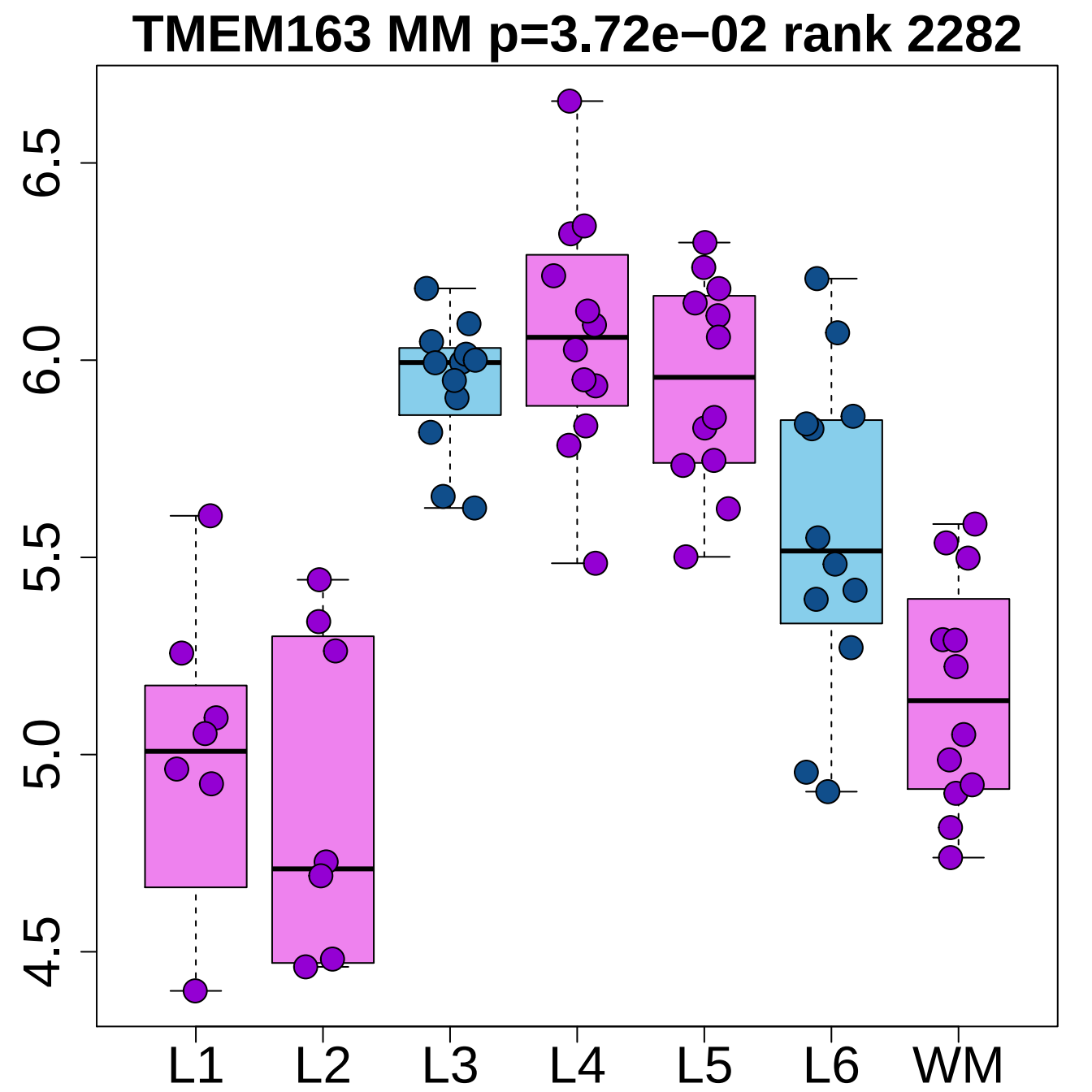
L1
L2
L3
L4
L5
L6
WM


TMEM163 MM p=3.72e−02 rank 2282
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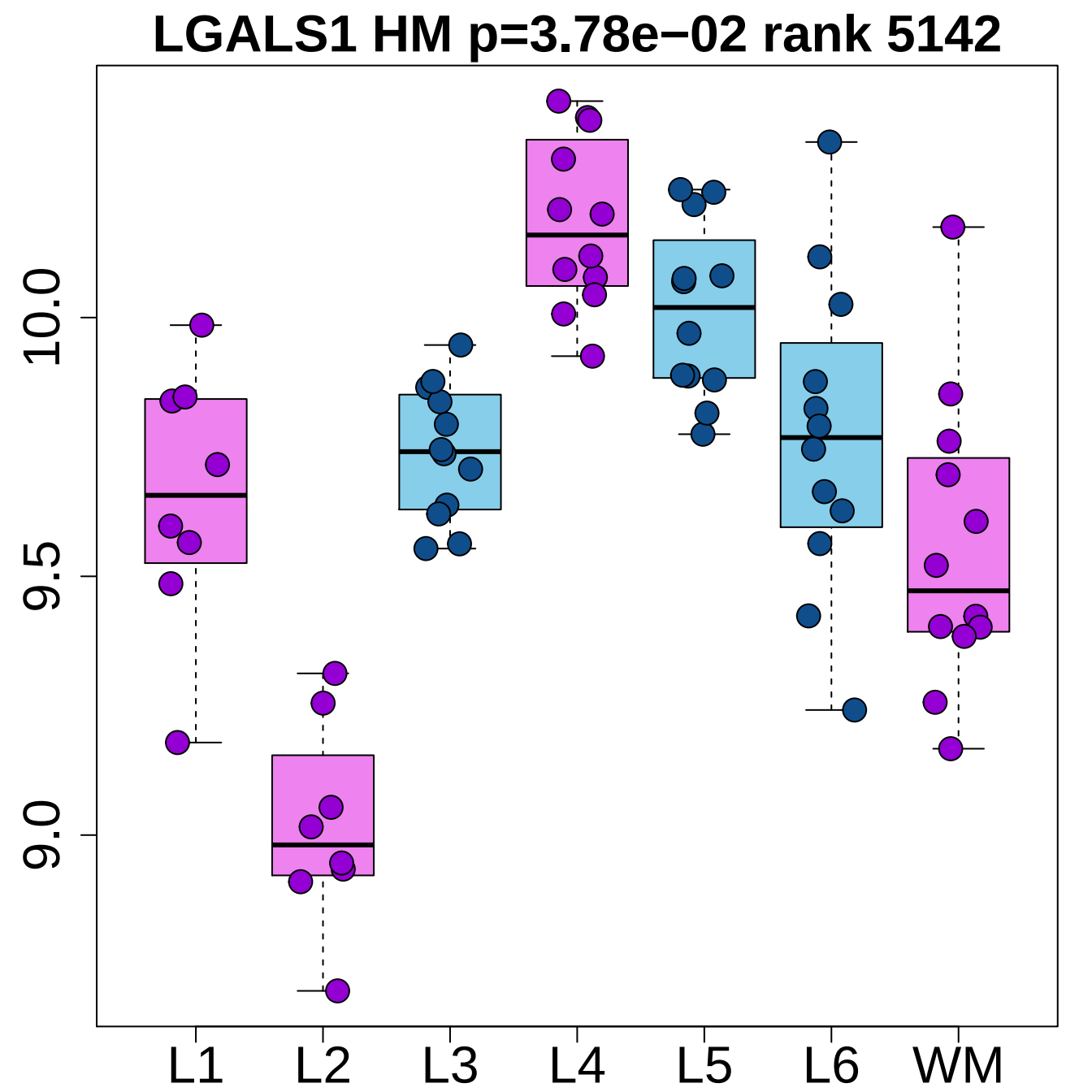
4.5
L1
L2
L3
L4
L5
L6
WM


LGALS1 HM p=3.78e−02 rank 5142
10.0
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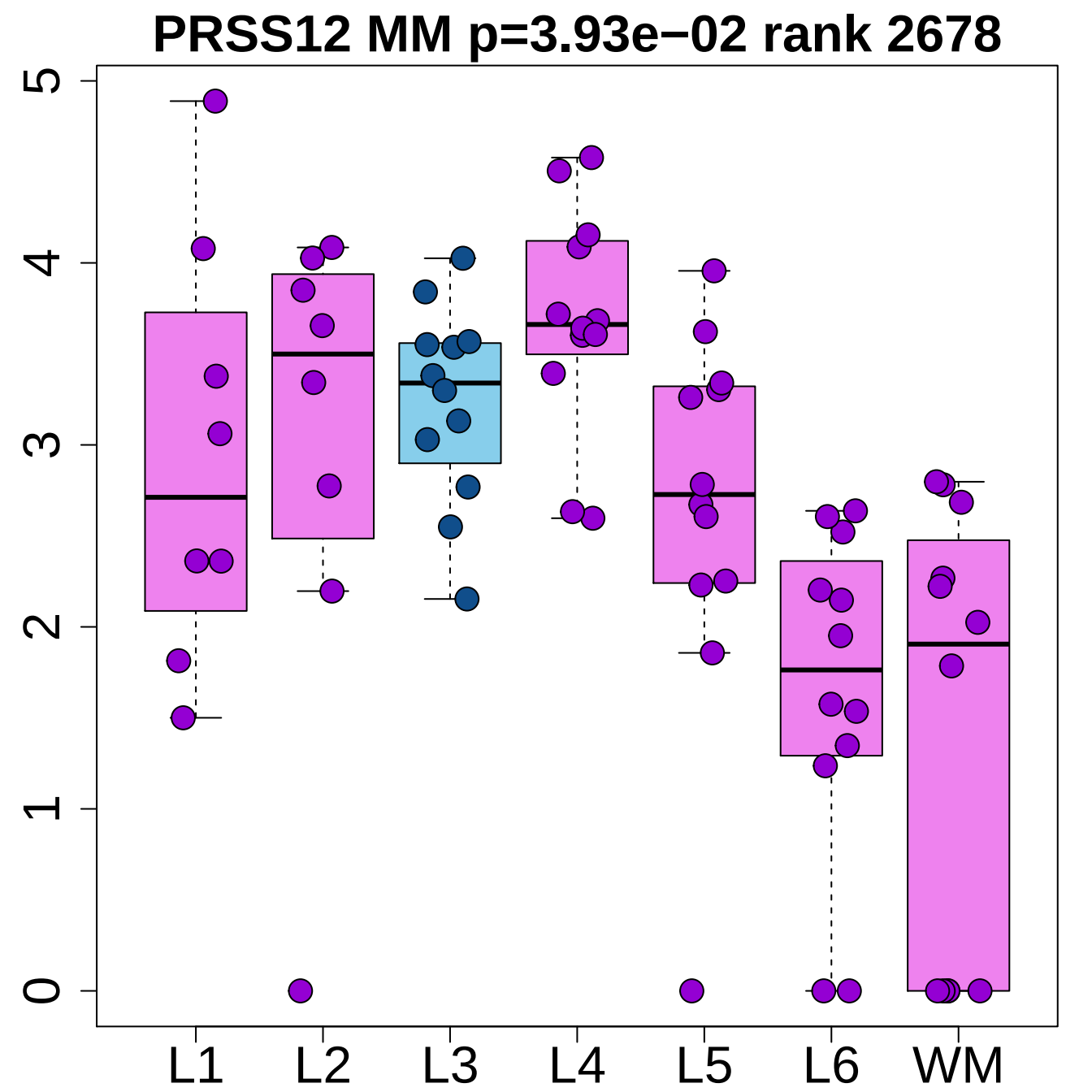
9.0
L1
L2
L3
L4
L5
L6
WM


PRSS12 MM p=3.93e−02 rank 2678
0
1
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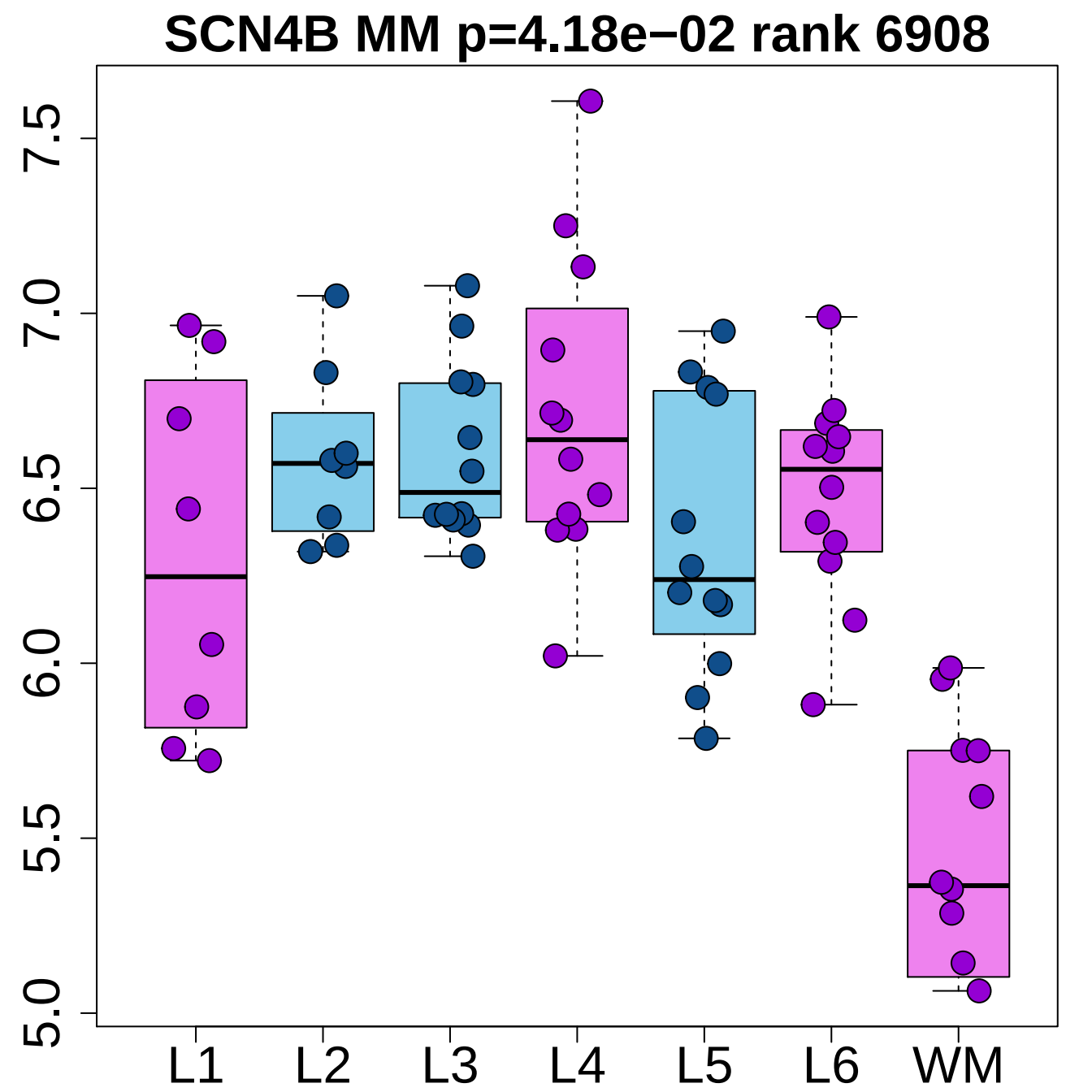
3
4
5
L1
L2
L3
L4
L5
L6
WM


SCN4B MM p=4.18e−02 rank 6908
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6.0
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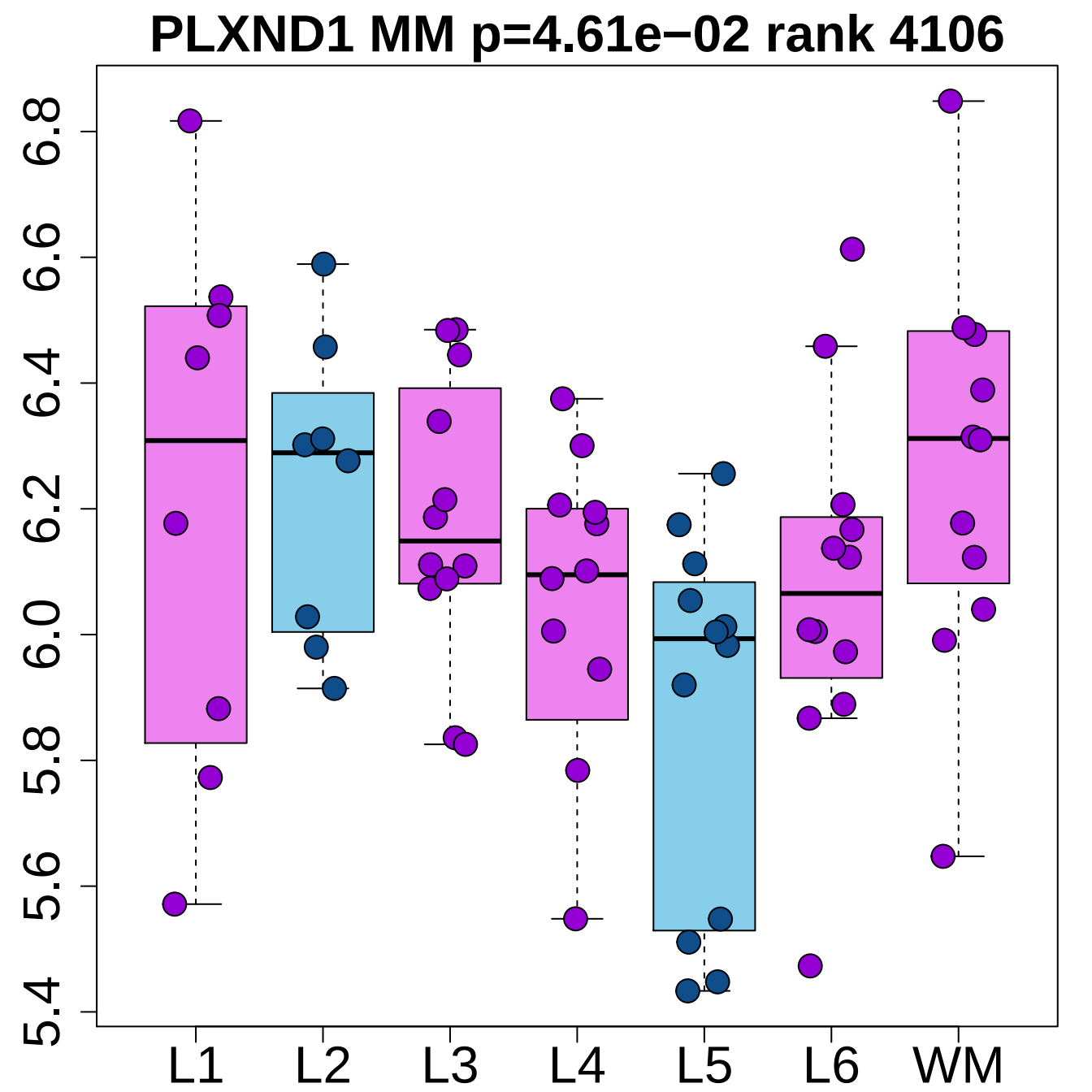
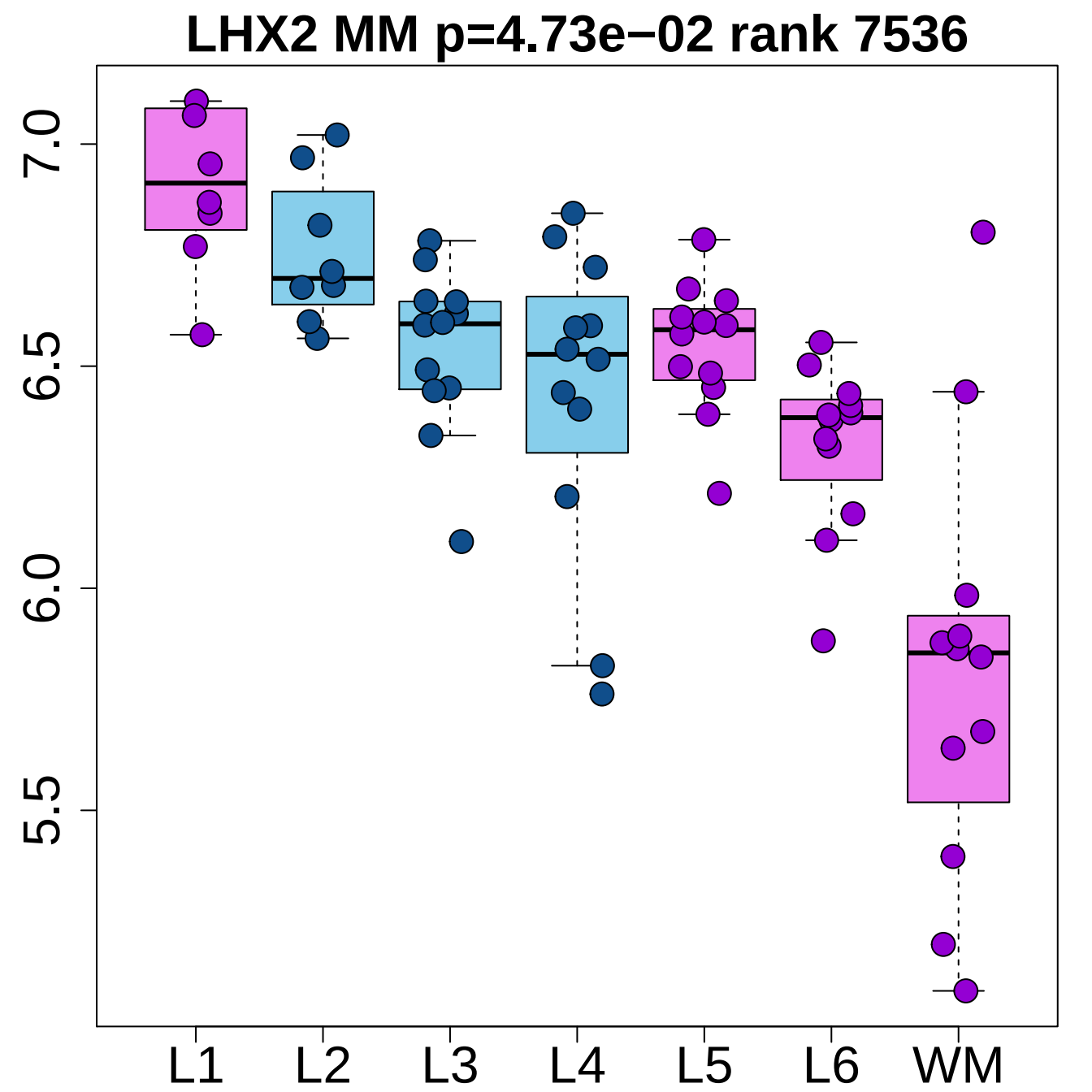
5.0
L1
L2
L3
L4
L5
L6
WM


PLXND1 MM p=4.61e−02 rank 4106
6.8
6.6
6.4
6.2
6.0
5.8
5.6
5.4
L1
L2
L3
L4
L5
L6
WM


LHX2 MM p=4.73e−02 rank 7536
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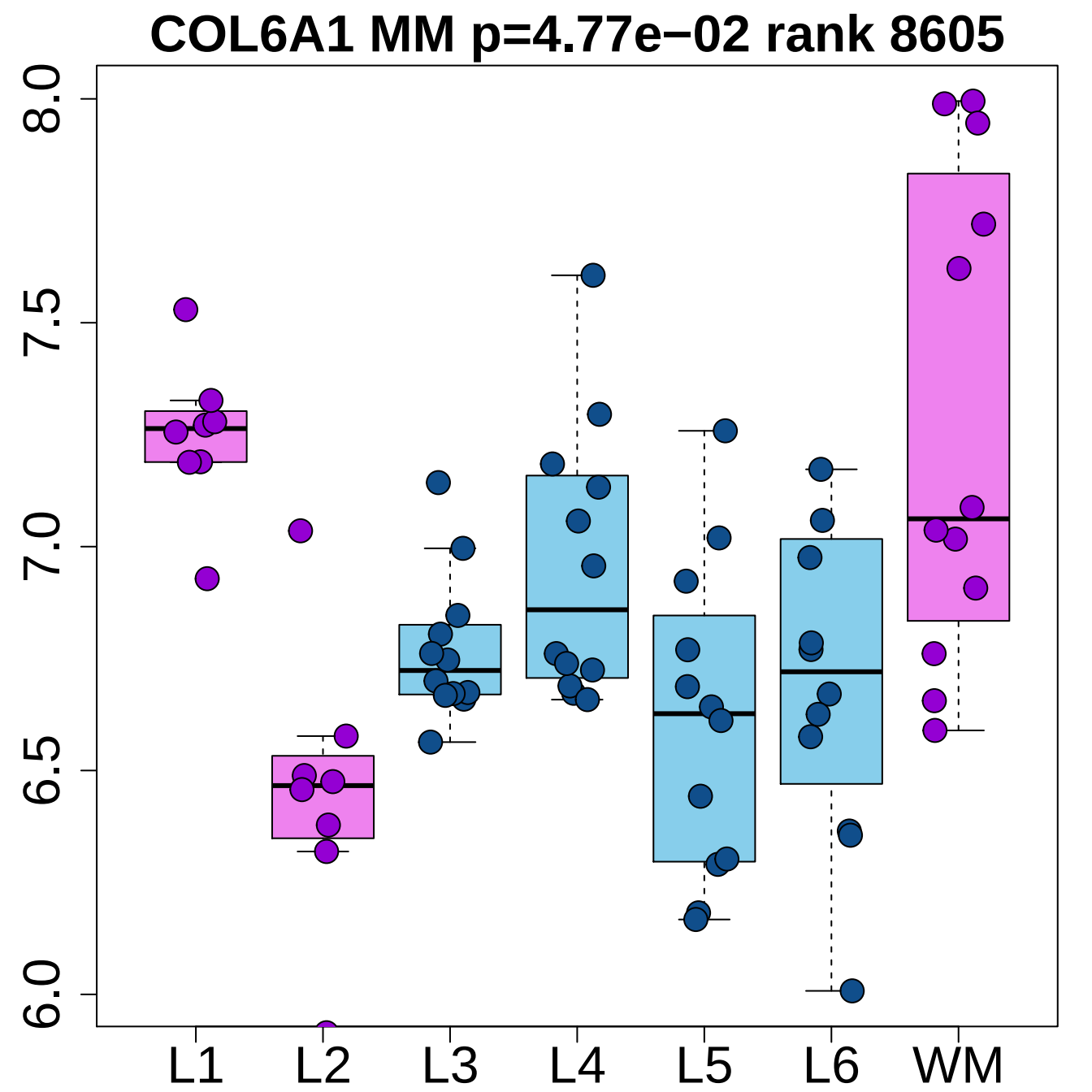
6.5
6.0
5.5
L1
L2
L3
L4
L5
L6
WM


COL6A1 MM p=4.77e−02 rank 8605
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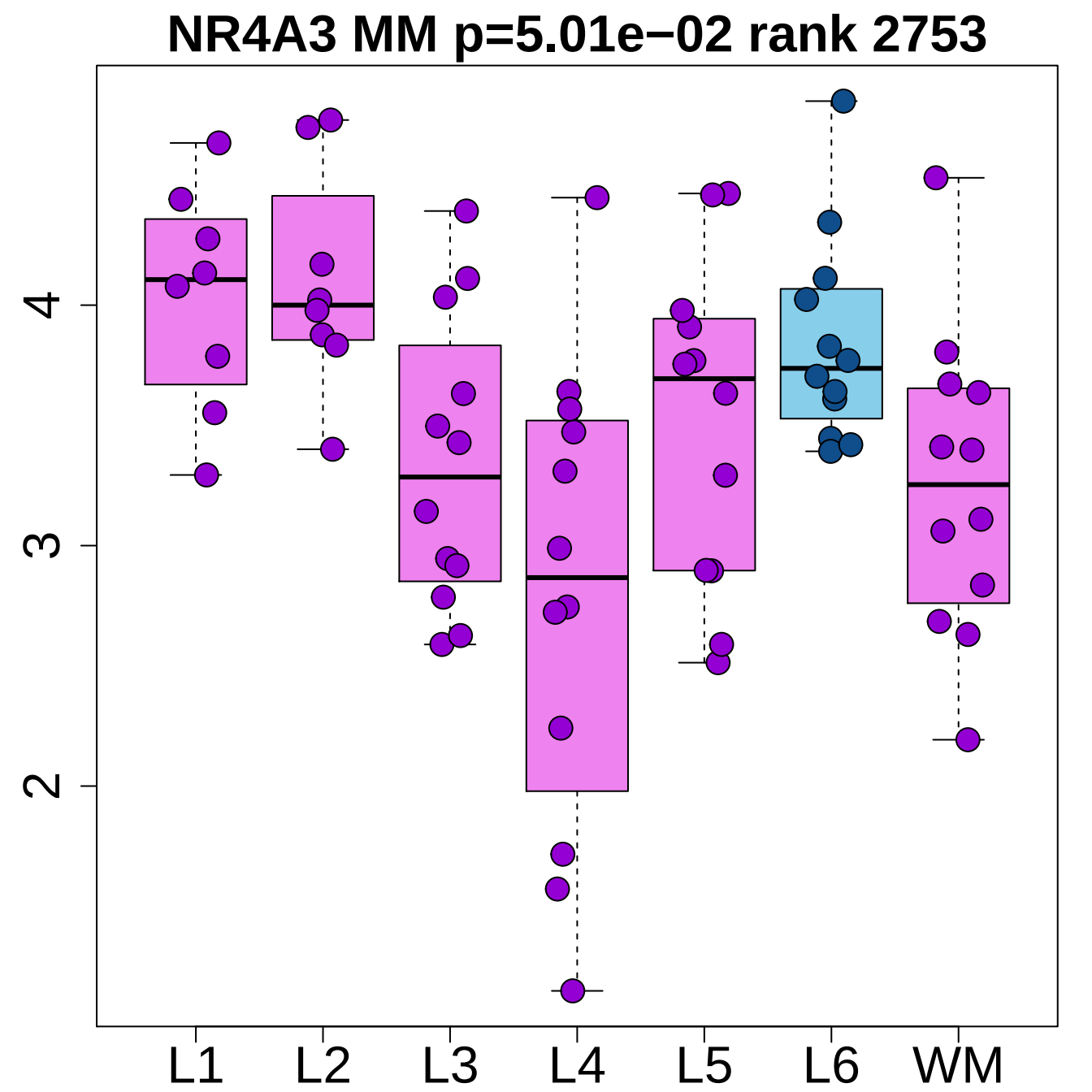
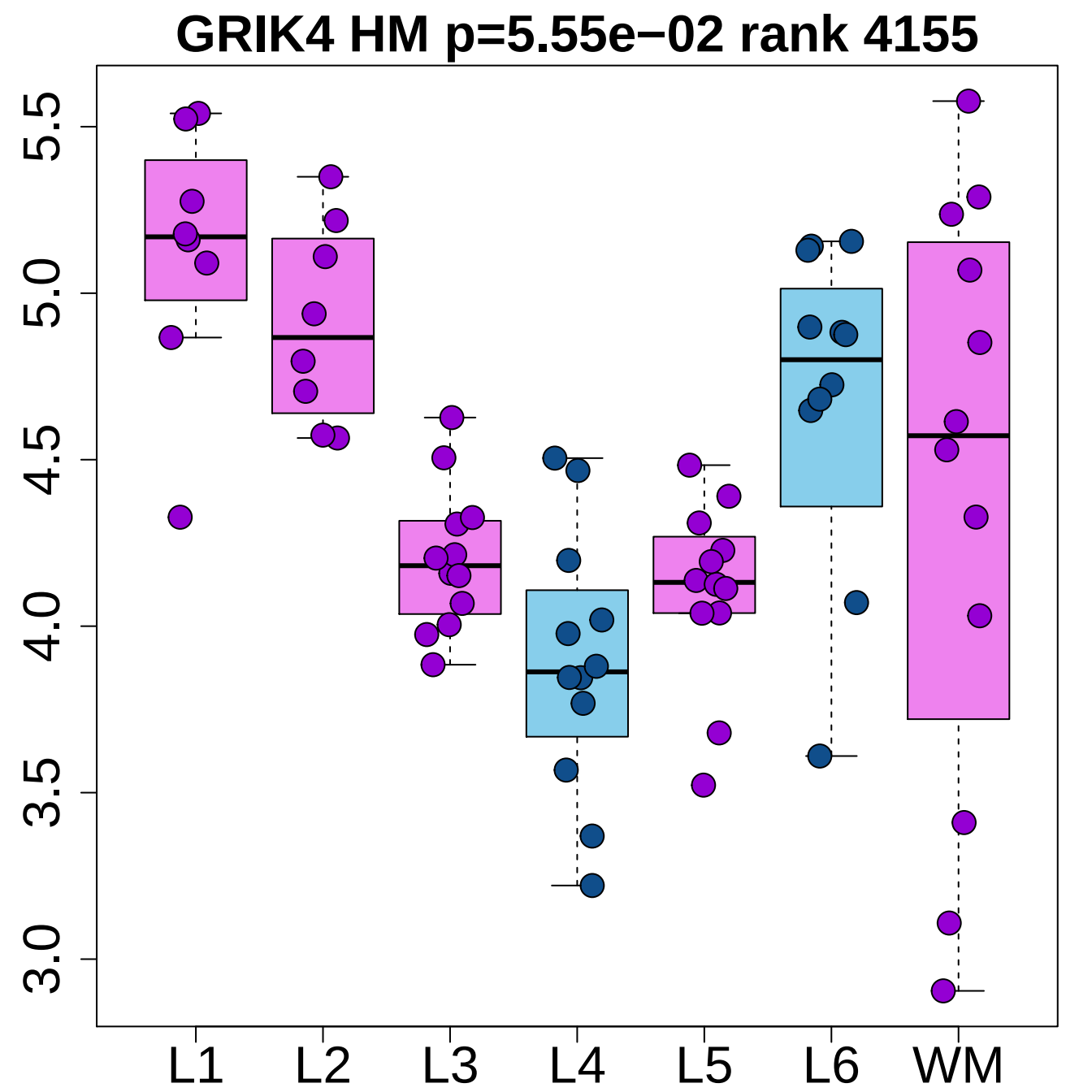
7.5
7.0
6.5
6.0
L1
L2
L3
L4
L5
L6
WM


NR4A3 MM p=5.01e−02 rank 2753
4
3
2
L1
L2
L3
L4
L5
L6
WM


GRIK4 HM p=5.55e−02 rank 4155
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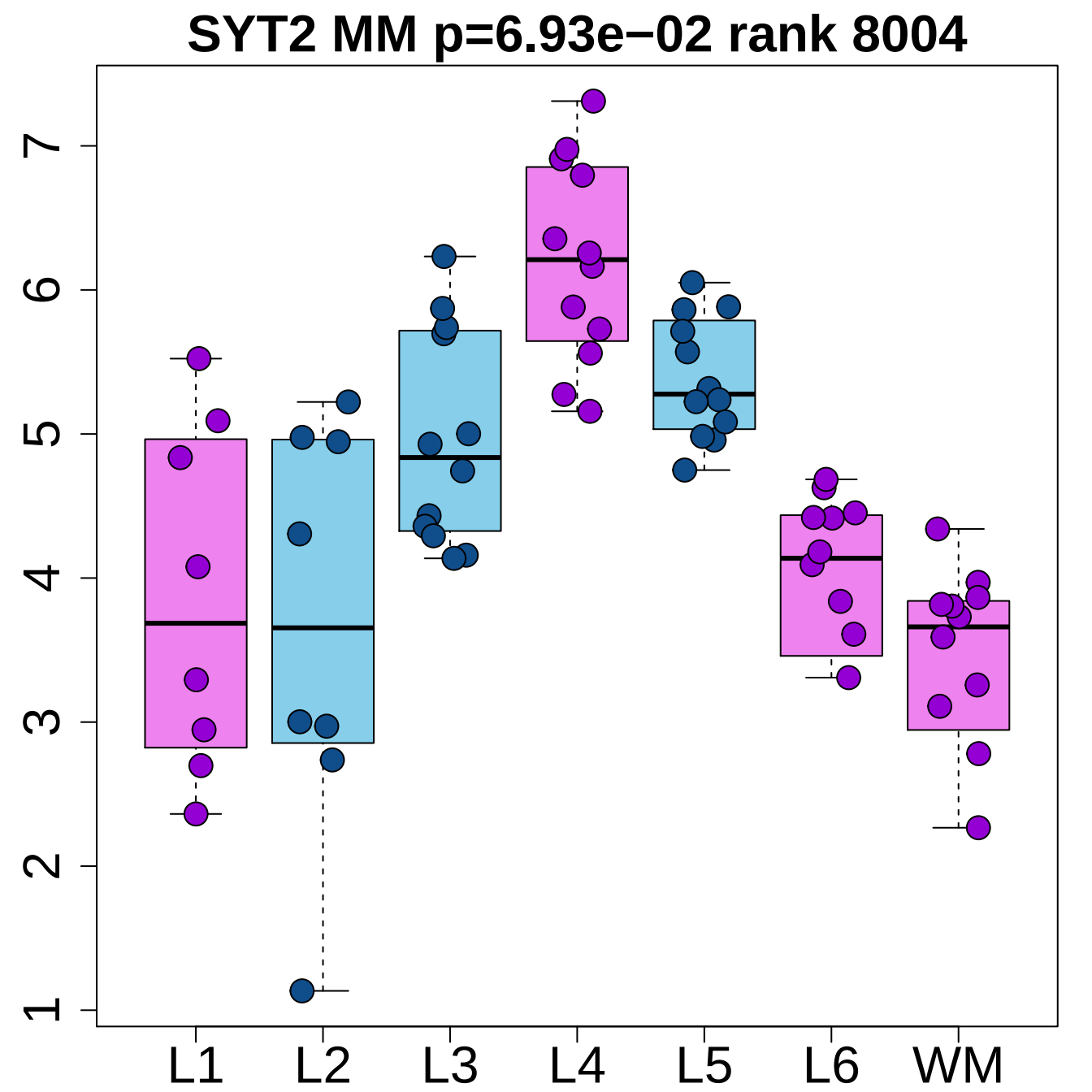
4.0
3.5
3.0
L1
L2
L3
L4
L5
L6
WM


SYT2 MM p=6.93e−02 rank 8004
1
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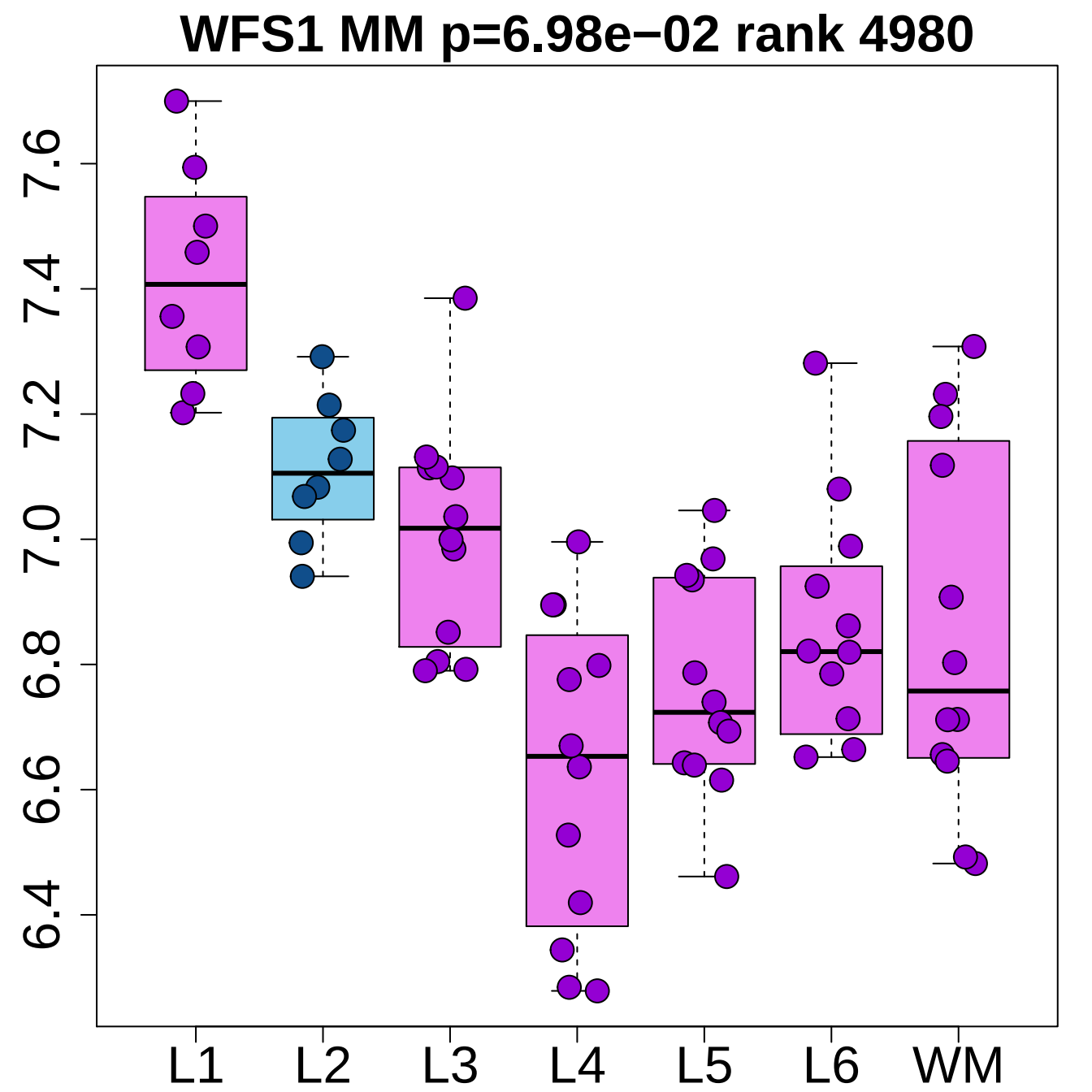
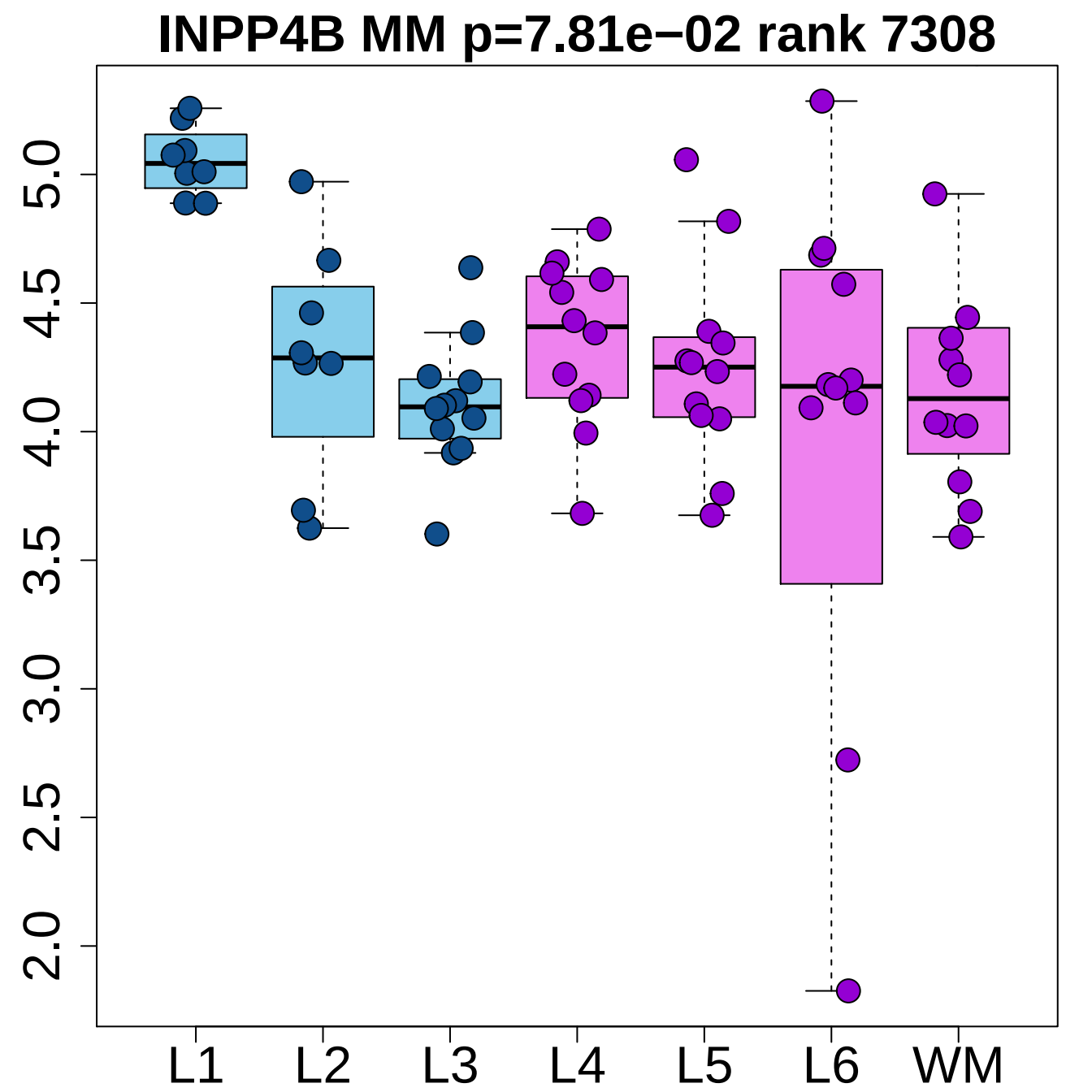
5
6
7
L1
L2
L3
L4
L5
L6
WM


WFS1 MM p=6.98e−02 rank 4980
7.6
7.4
7.2
7.0
6.8
6.6
6.4
L1
L2
L3
L4
L5
L6
WM


INPP4B MM p=7.81e−02 rank 7308
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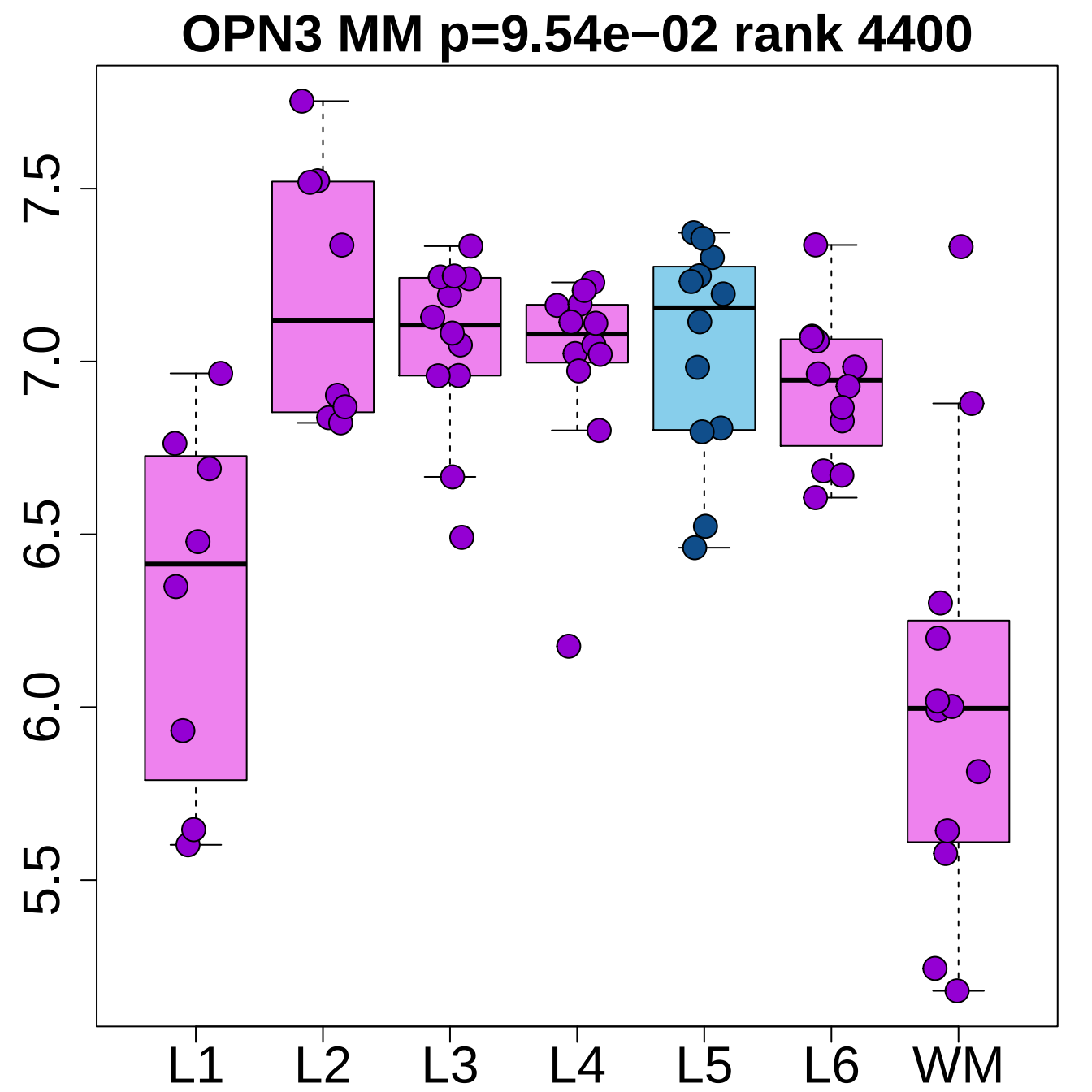
4.0
3.5
3.0
2.5
2.0
L1
L2
L3
L4
L5
L6
WM


OPN3 MM p=9.54e−02 rank 4400
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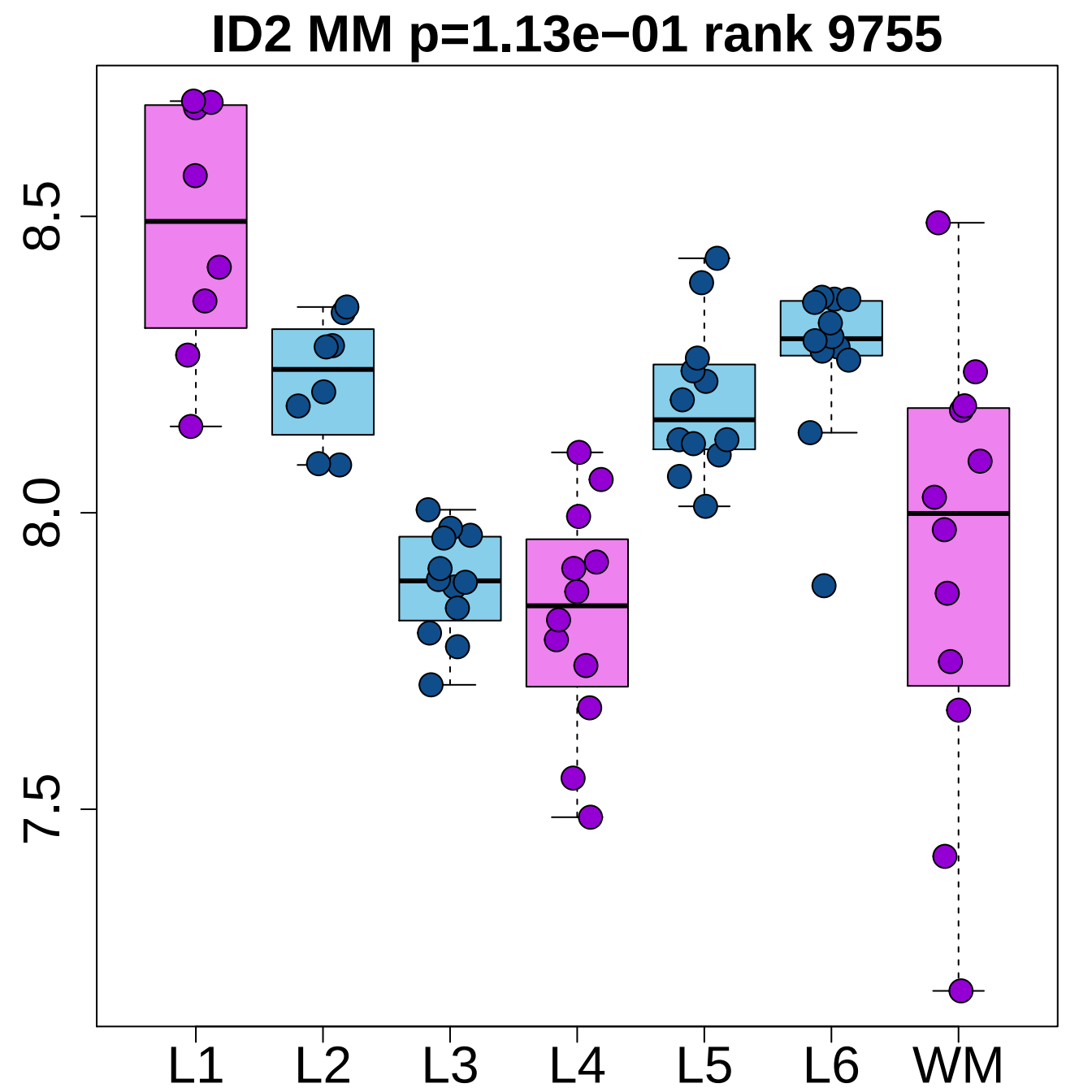
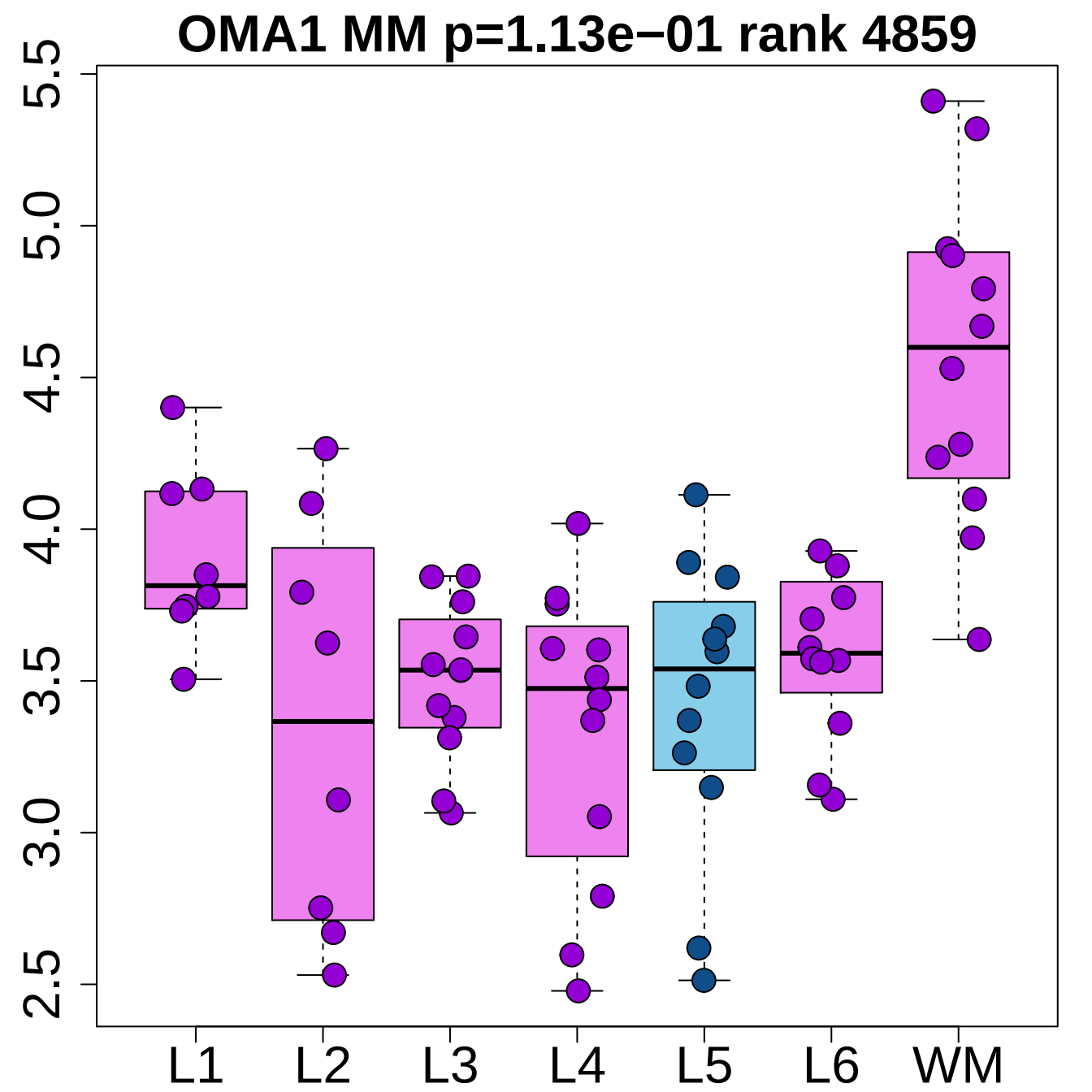
6.0
5.5
L1
L2
L3
L4
L5
L6
WM


ID2 MM p=1.13e−01 rank 9755
8.5
8.0
7.5
L1
L2
L3
L4
L5
L6
WM


OMA1 MM p=1.13e−01 rank 4859
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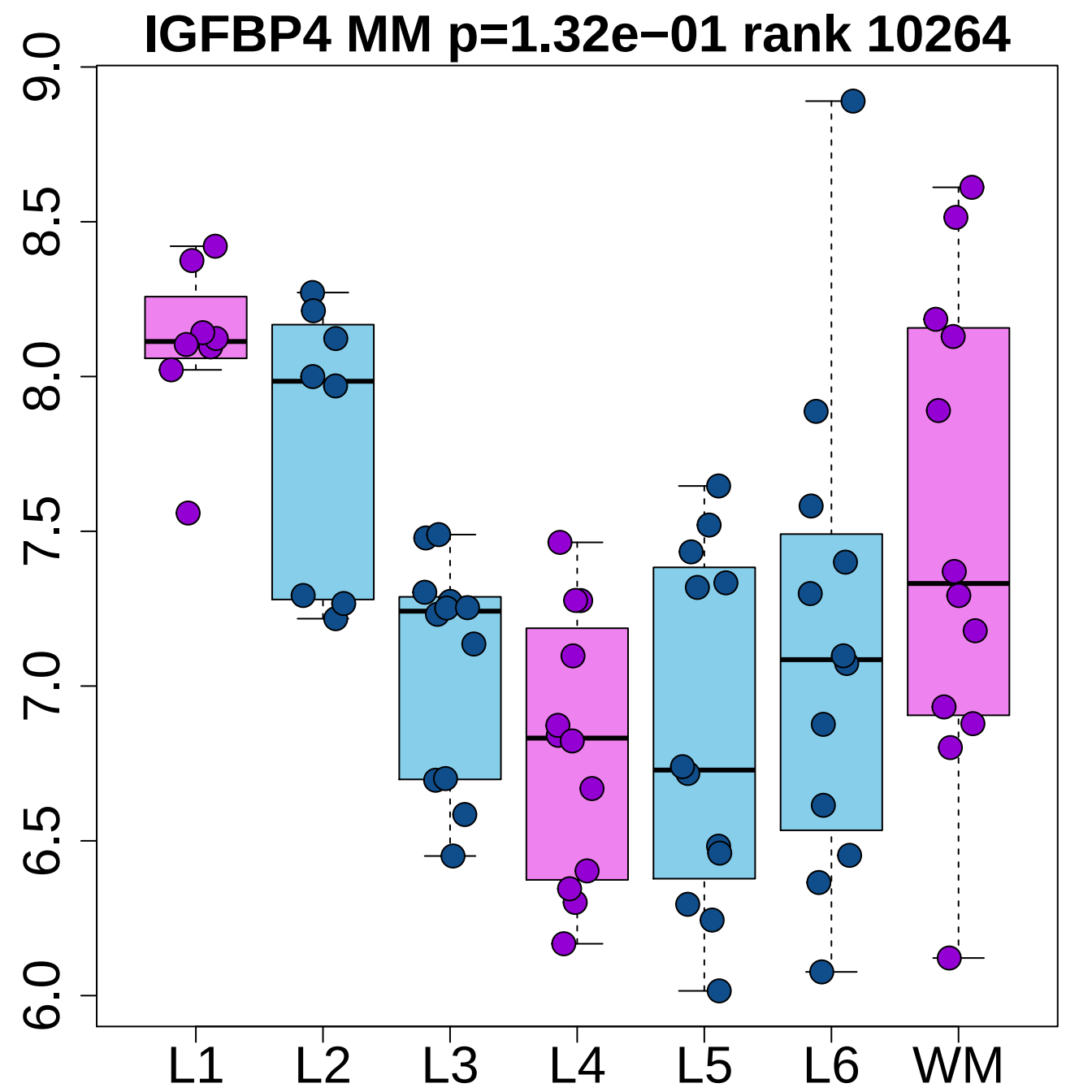
4.0
3.5
3.0
2.5
L1
L2
L3
L4
L5
L6
WM


IGFBP4 MM p=1.32e−01 rank 10264
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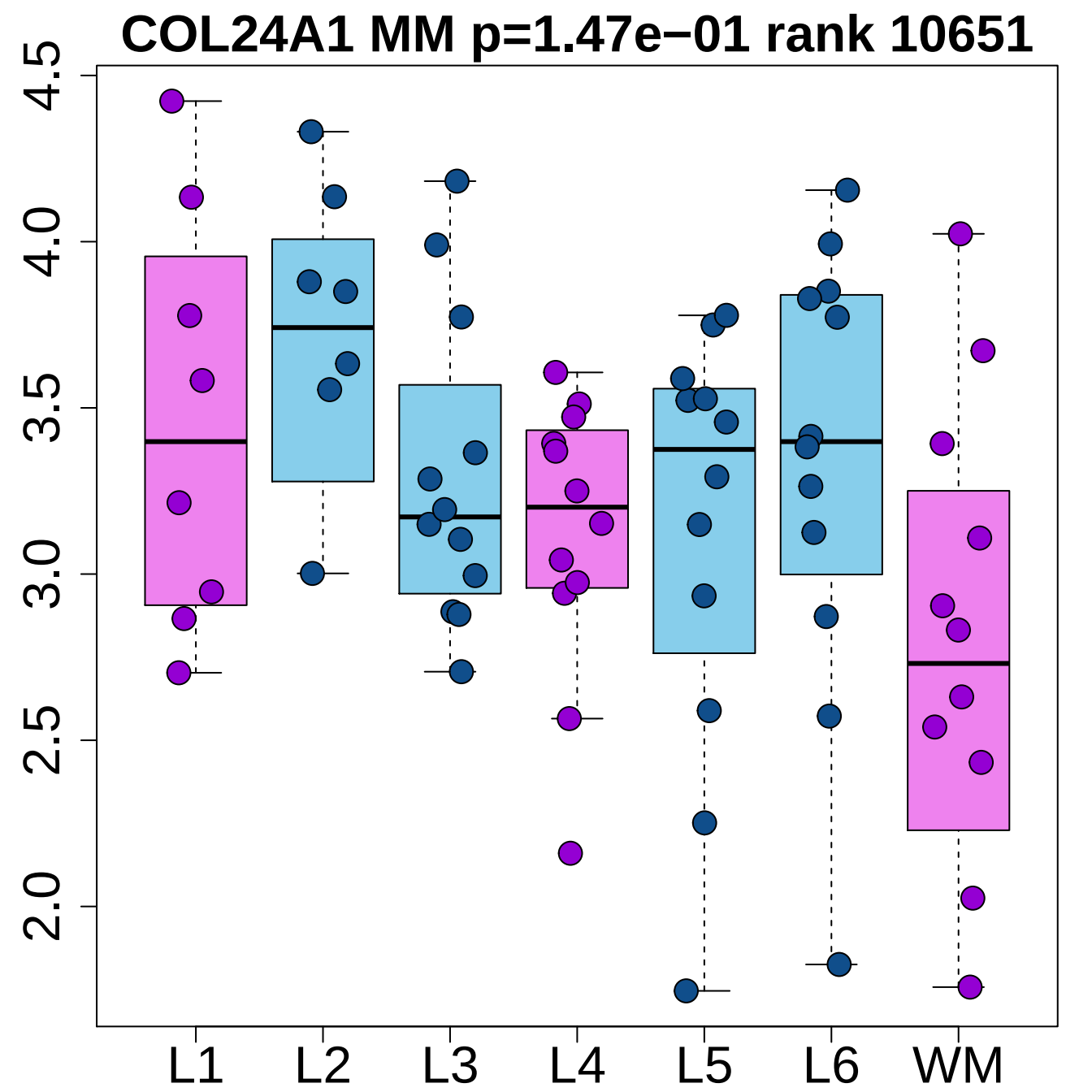
8.0
7.5
7.0
6.5
6.0
L1
L2
L3
L4
L5
L6
WM


COL24A1 MM p=1.47e−01 rank 10651
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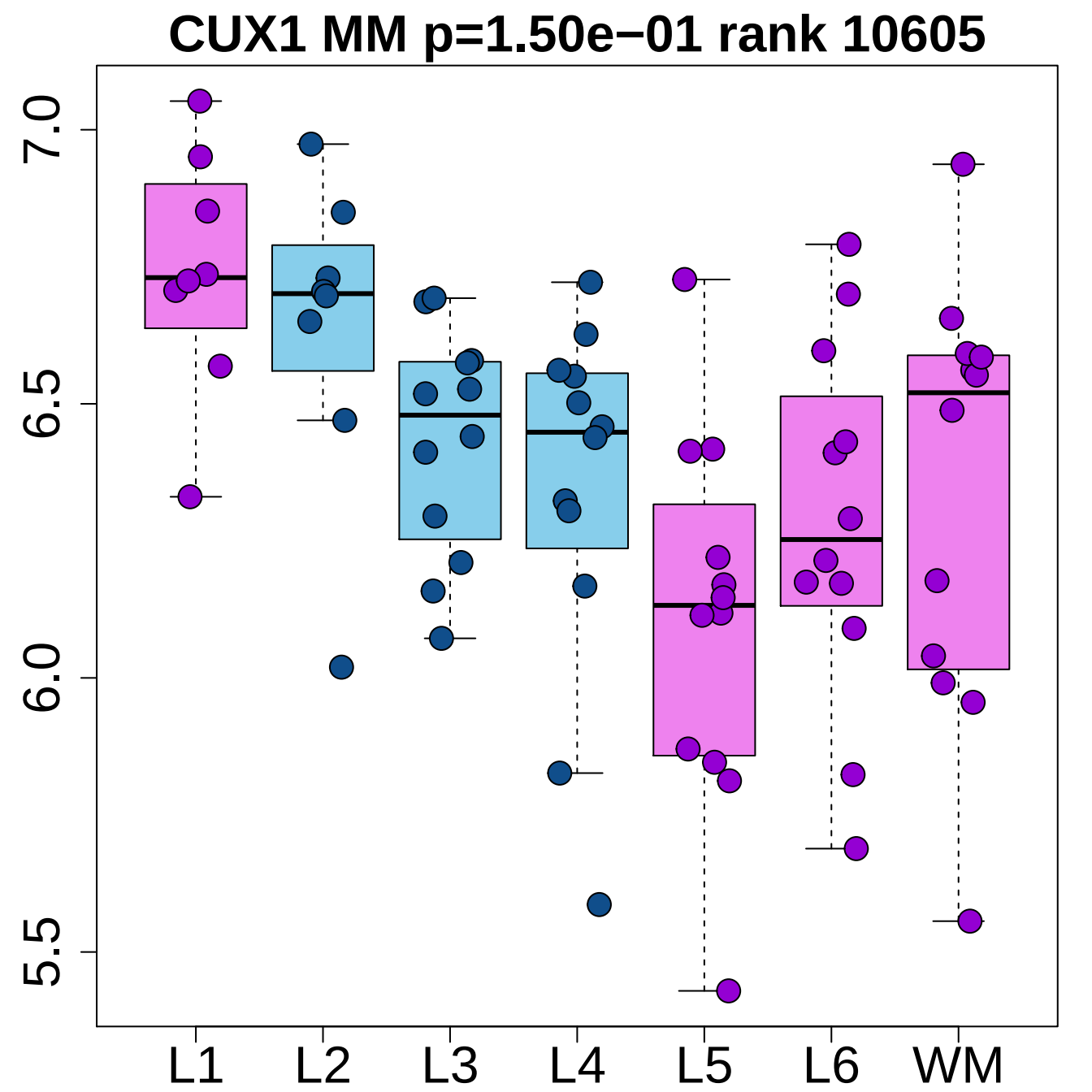
4.0
3.5
3.0
2.5
2.0
L1
L2
L3
L4
L5
L6
WM


CUX1 MM p=1.50e−01 rank 10605
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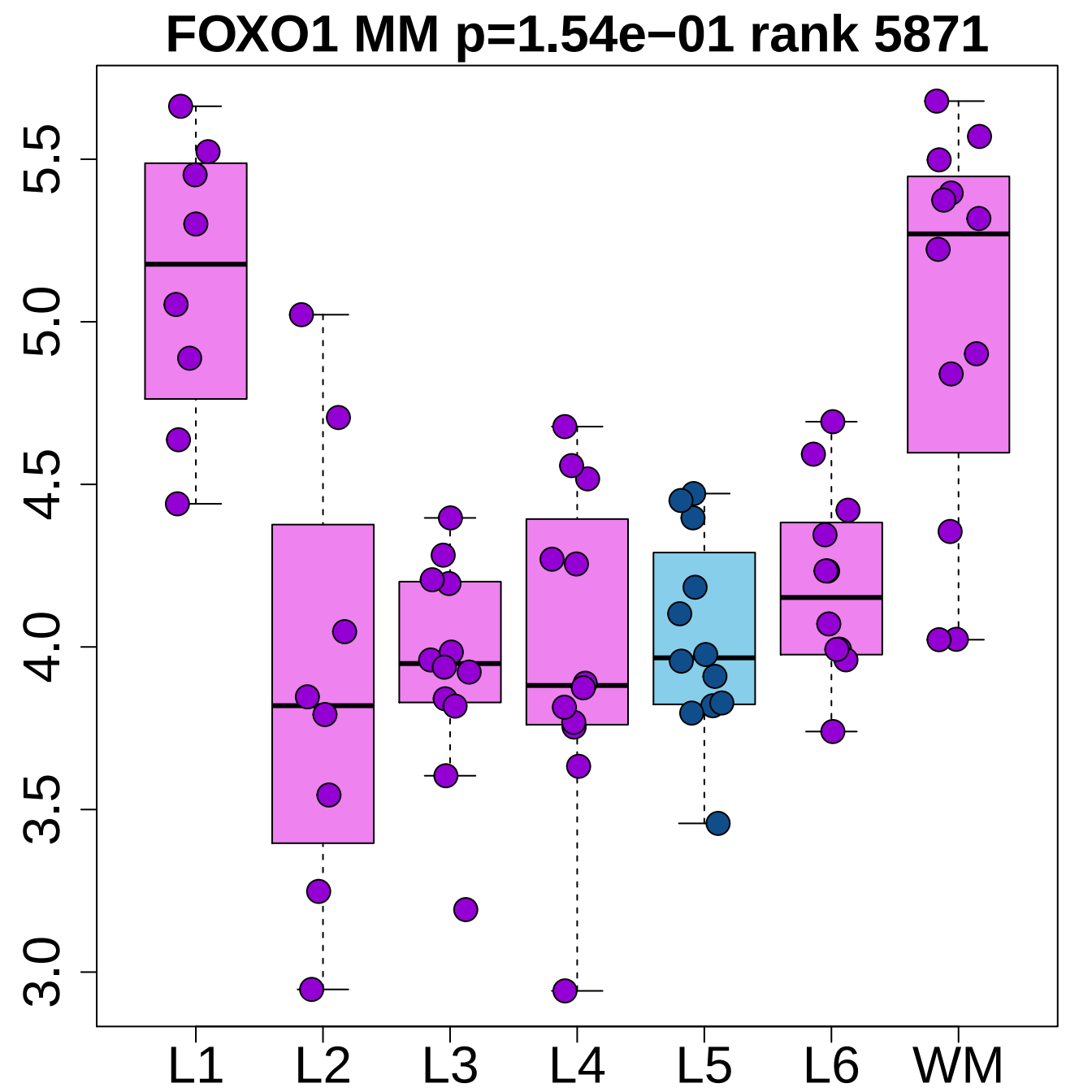
6.5
6.0
5.5
L1
L2
L3
L4
L5
L6
WM


FOXO1 MM p=1.54e−01 rank 5871
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4.5
4.0
3.5
3.0
L1
L2
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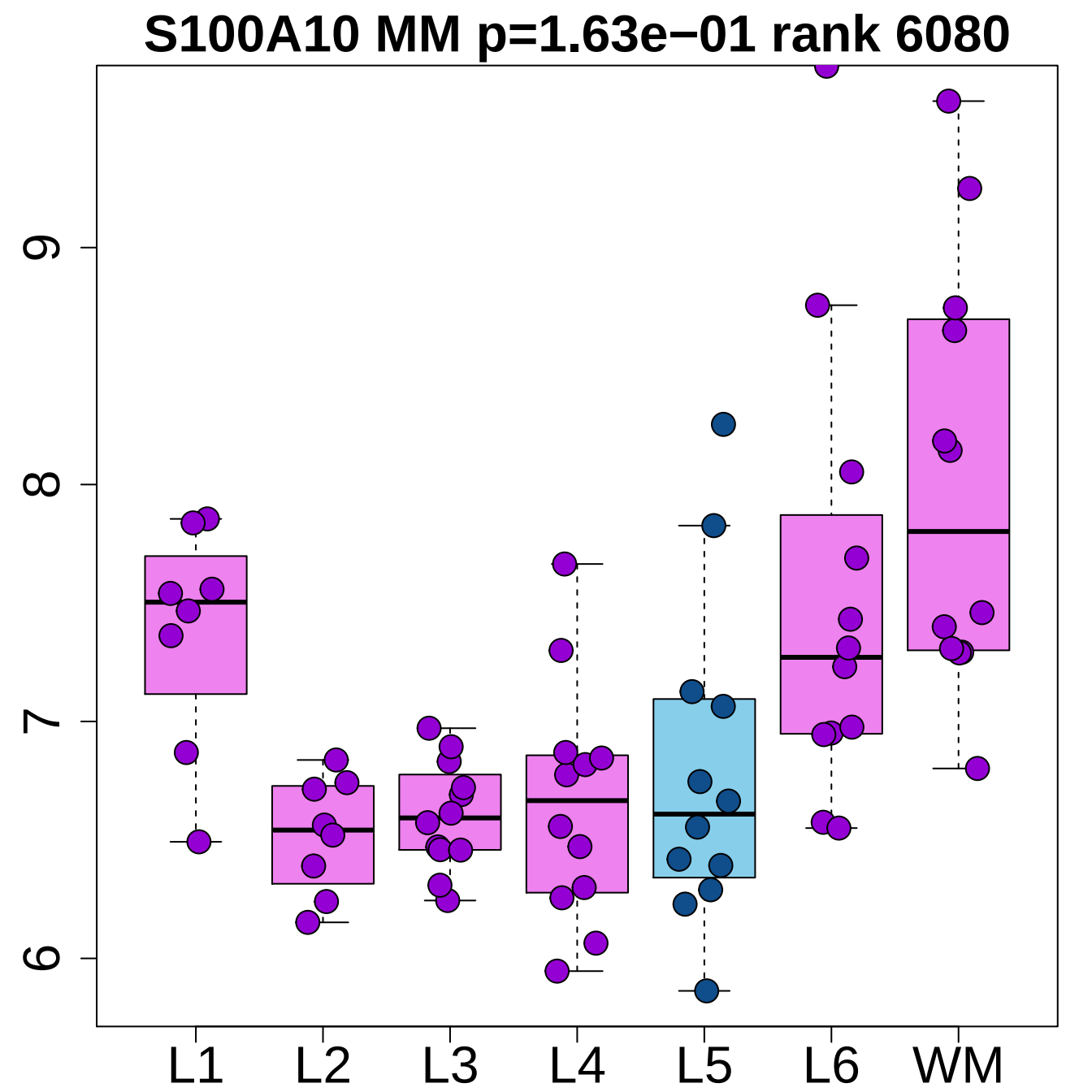
L4
L5
L6
WM


S100A10 MM p=1.63e−01 rank 6080
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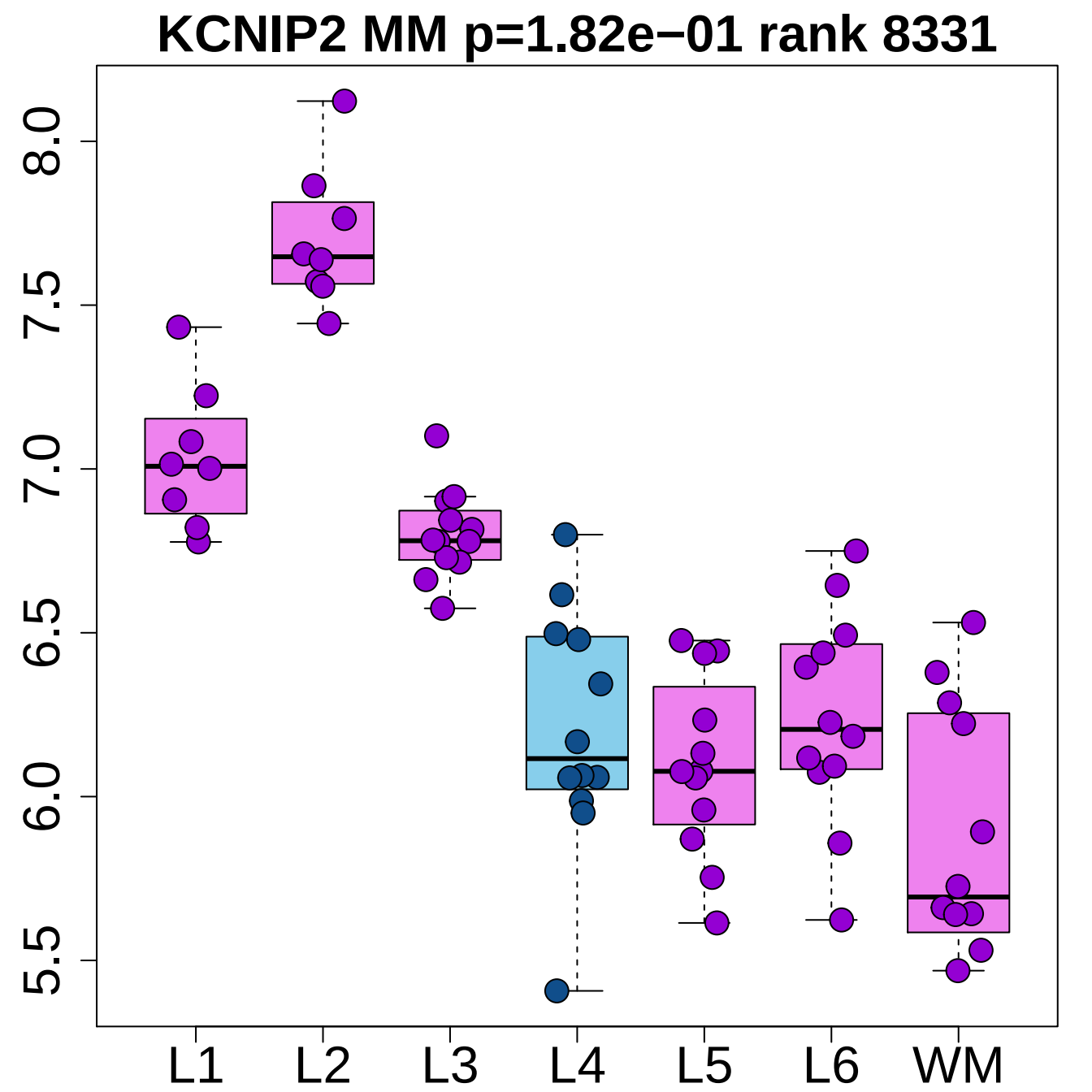
8
7
9
L1
L2
L3
L4
L5
L6
WM


KCNIP2 MM p=1.82e−01 rank 8331
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L2
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L4
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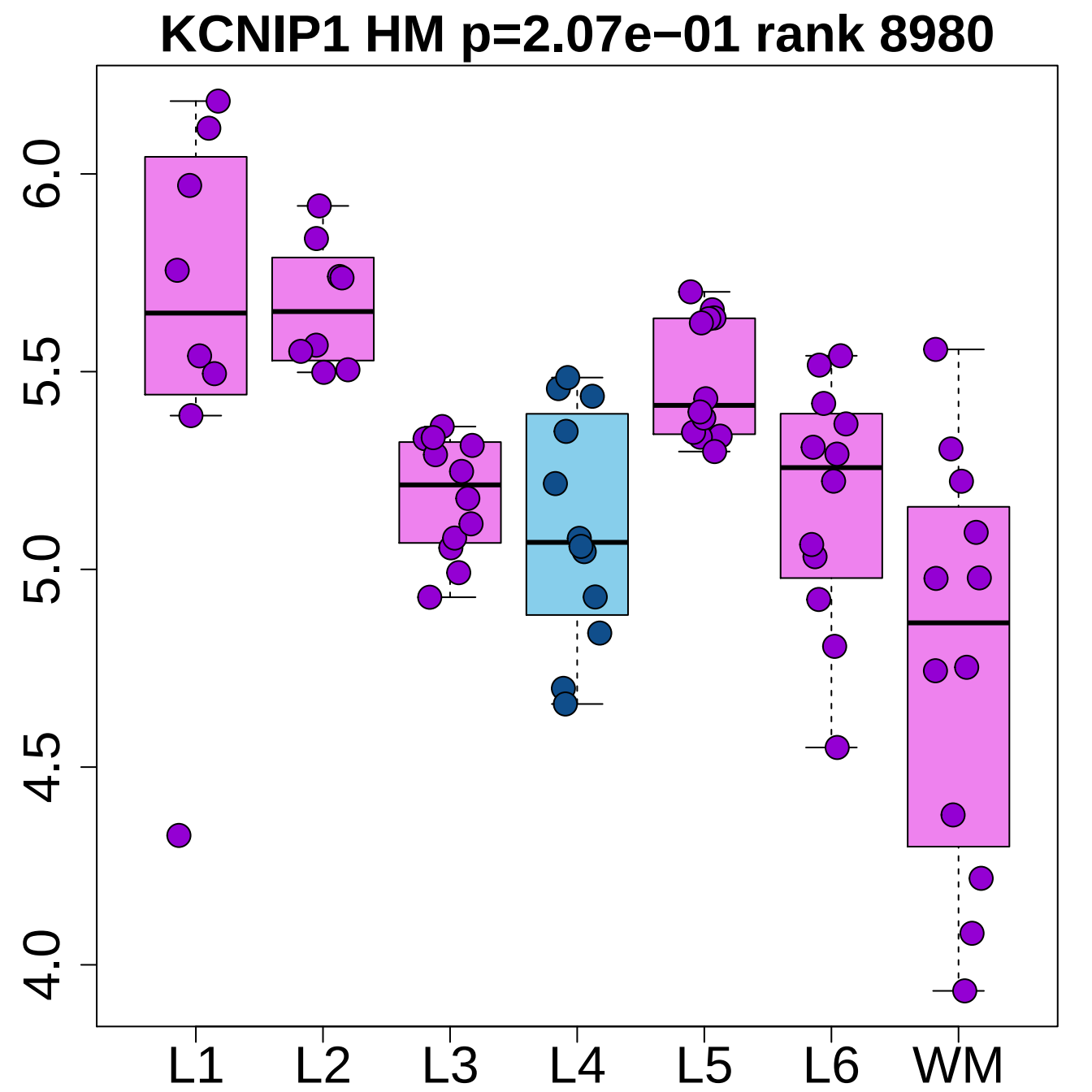
L6
WM


KCNIP1 HM p=2.07e−01 rank 8980
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4.5
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L2
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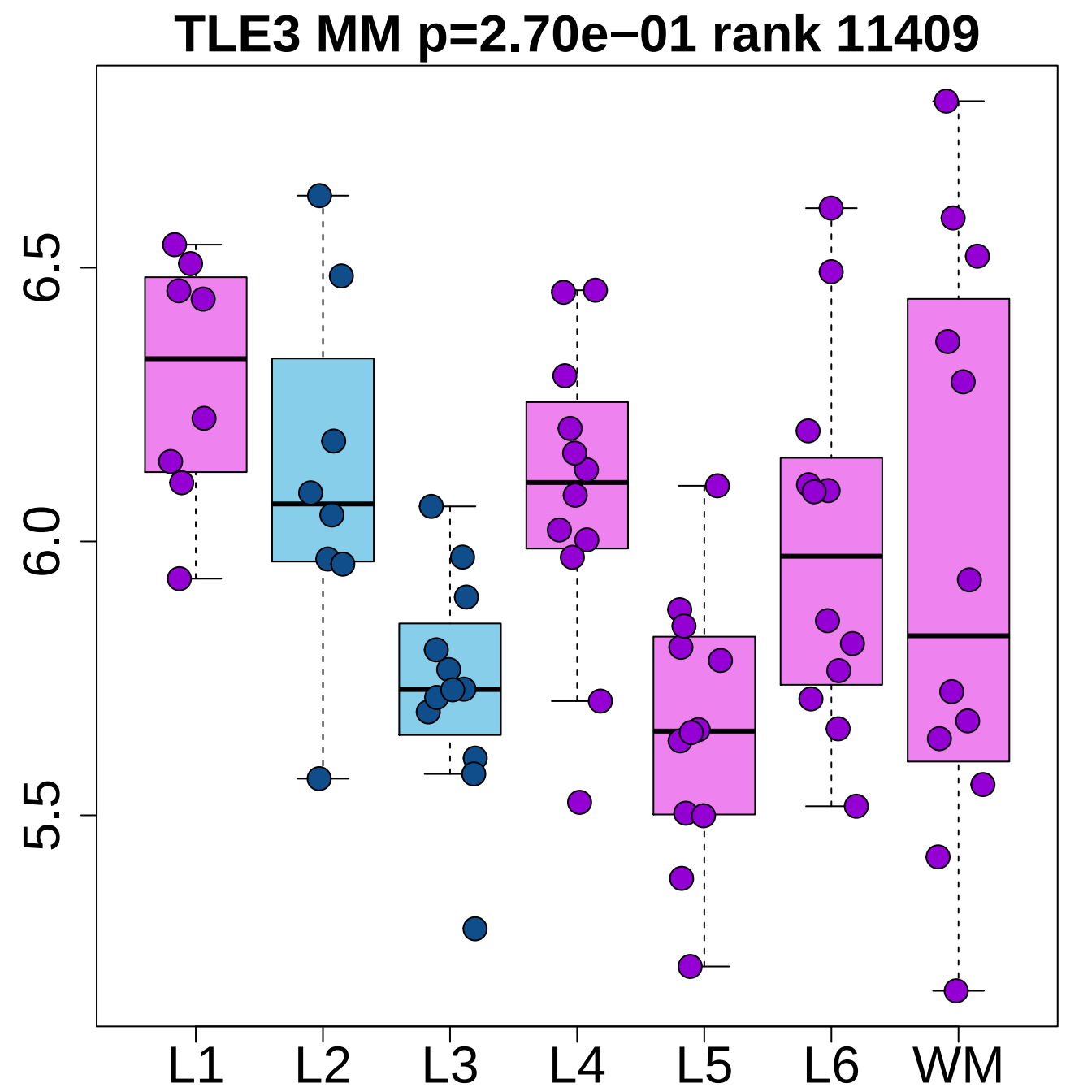
L4
L5
L6
WM


TLE3 MM p=2.70e−01 rank 11409
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L1
L2
L3
L4
L5
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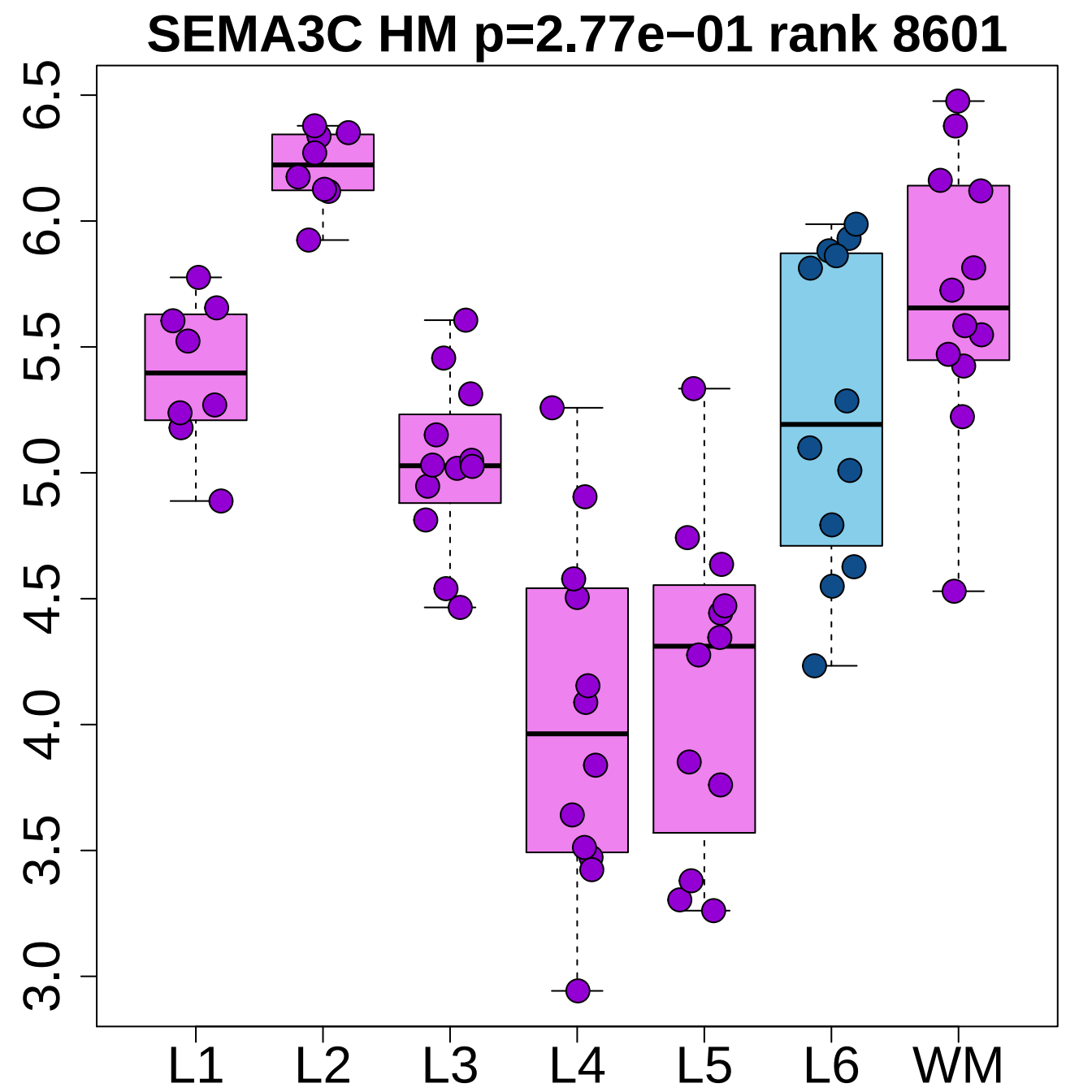
SEMA3C HM p=2.77e−01 rank 8601
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L2
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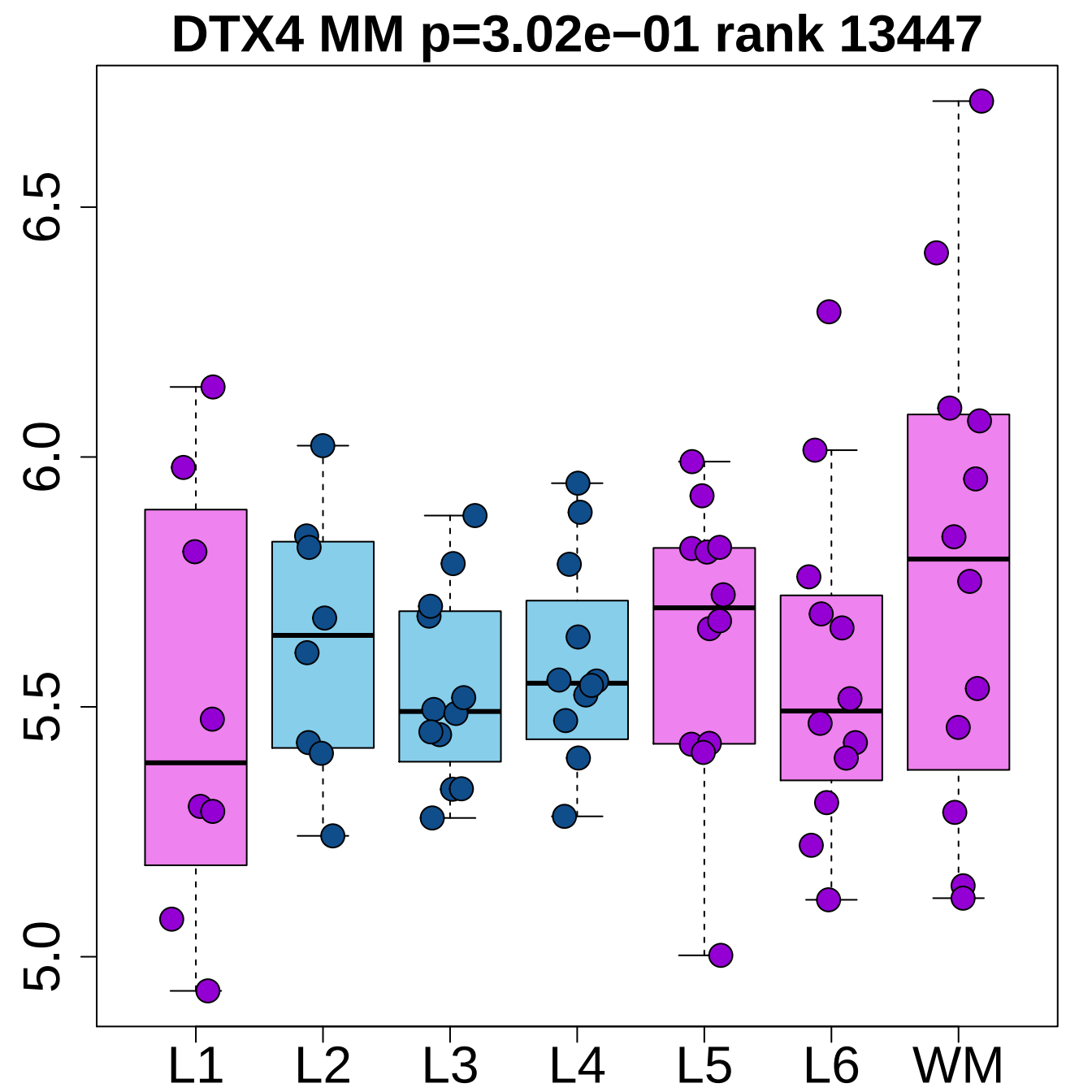
L4
L5
L6
WM


DTX4 MM p=3.02e−01 rank 13447
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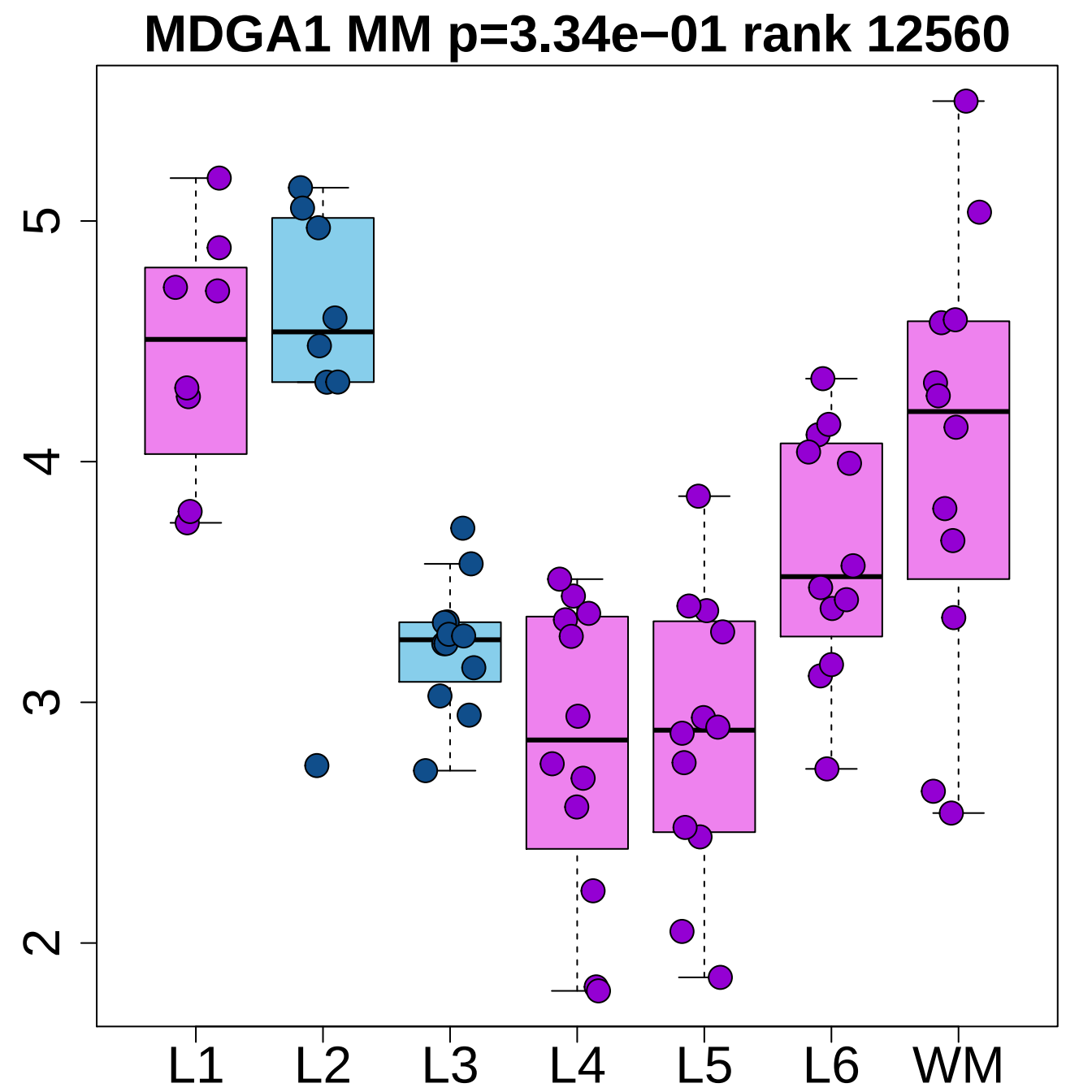
L1
L2
L3
L4
L5
L6
WM


MDGA1 MM p=3.34e−01 rank 12560
5
4
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2
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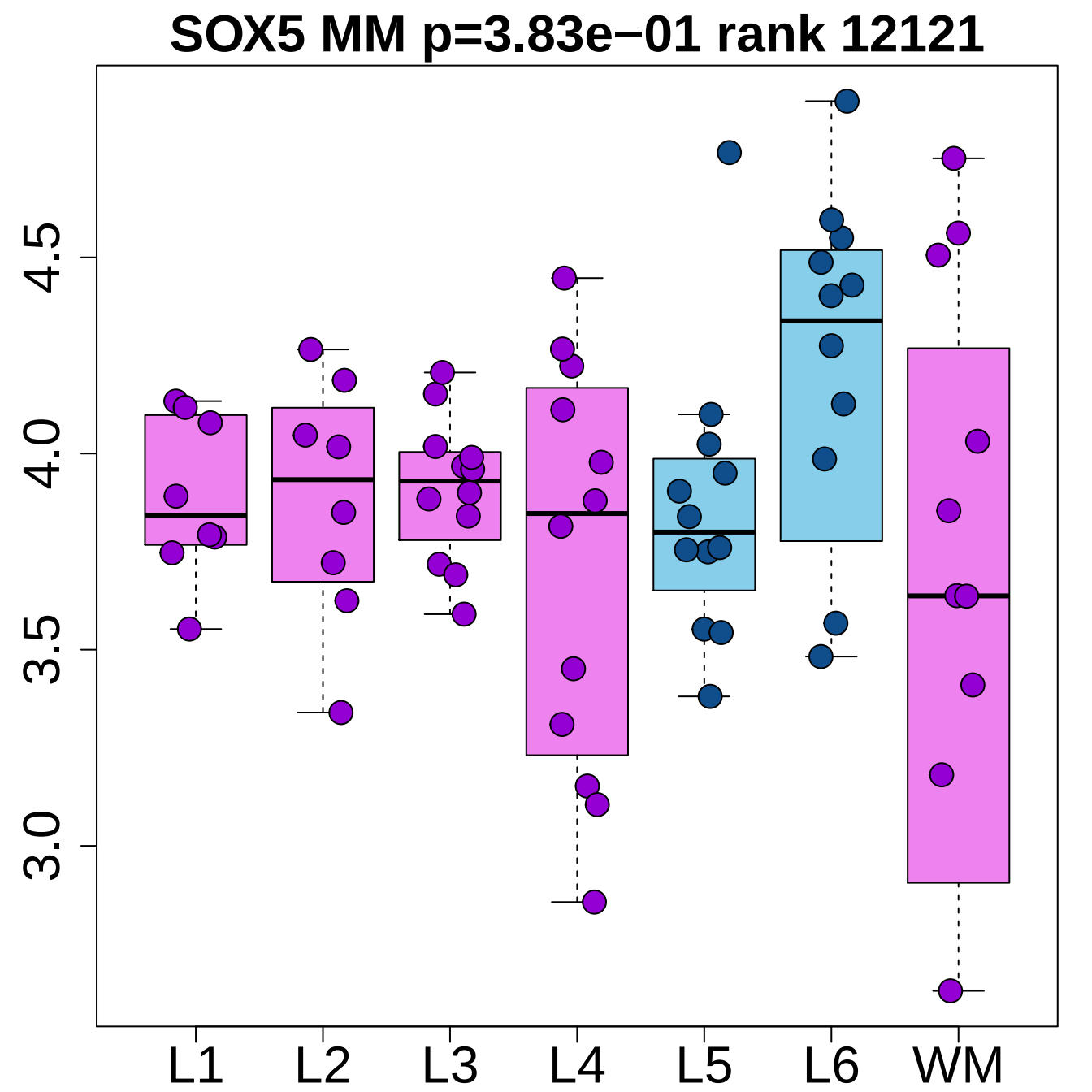
L2
L3
L4
L5
L6
WM


SOX5 MM p=3.83e−01 rank 12121
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L2
L3
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L5
L6
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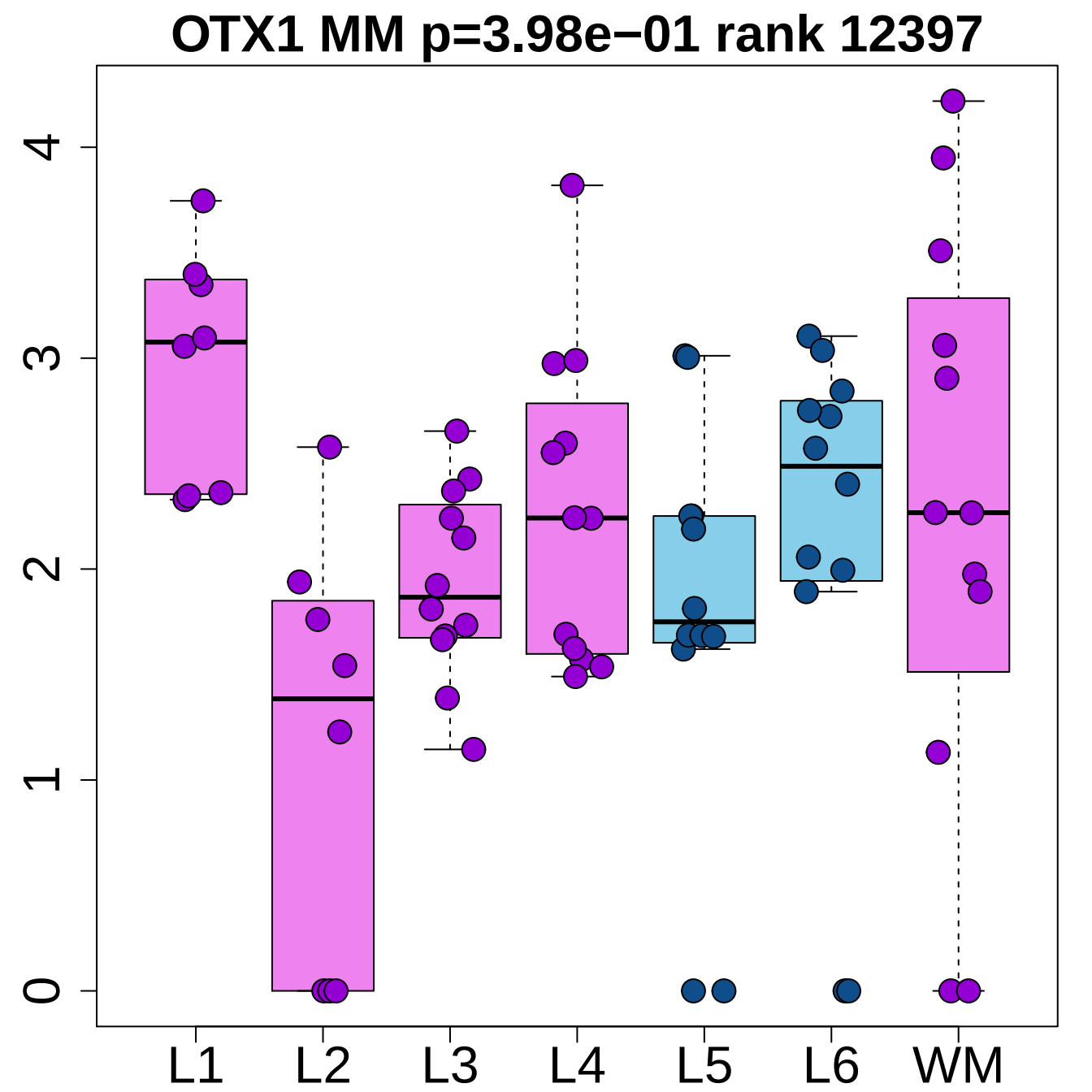
OTX1 MM p=3.98e−01 rank 12397
0
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2
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4
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L2
L3
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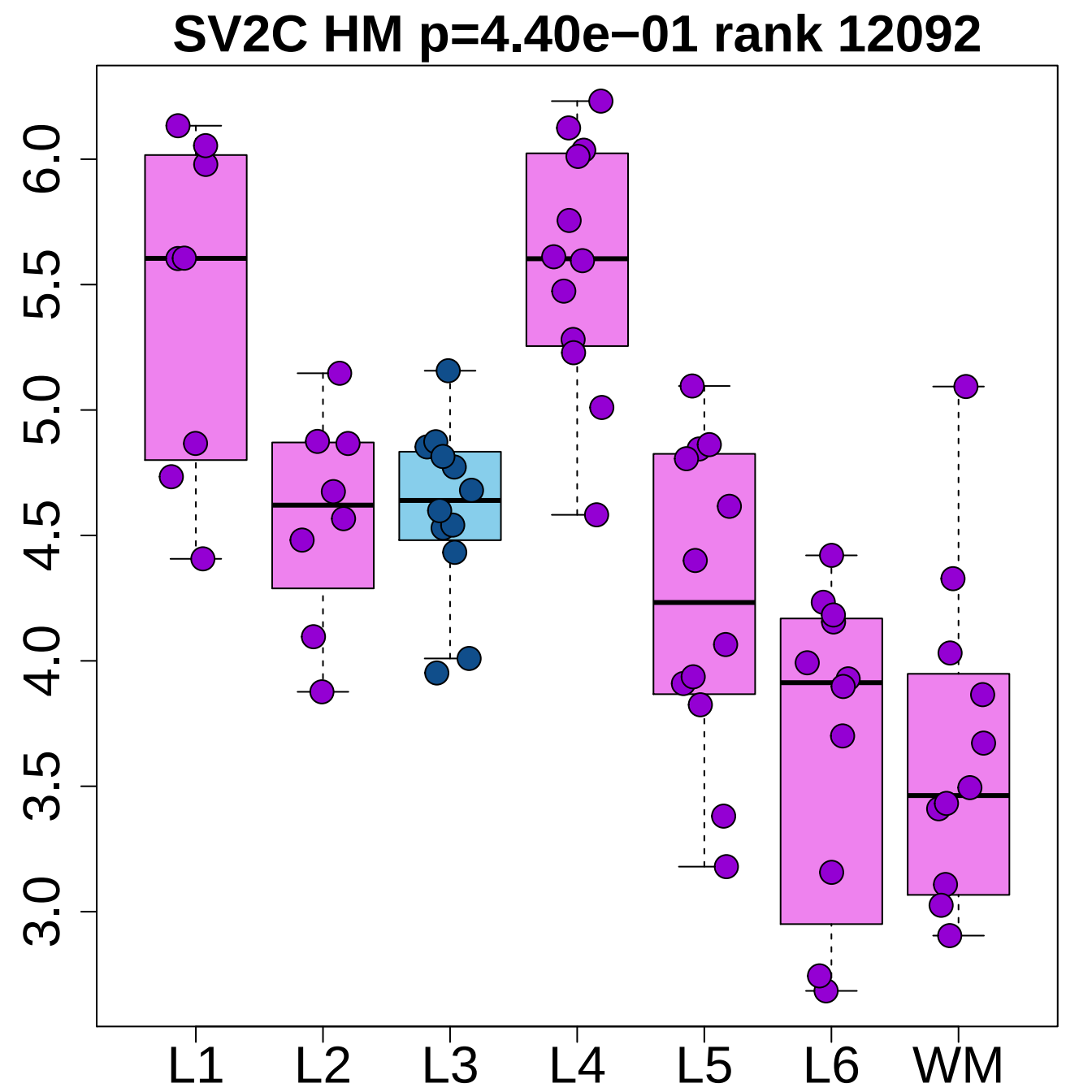
L6
WM


SV2C HM p=4.40e−01 rank 12092
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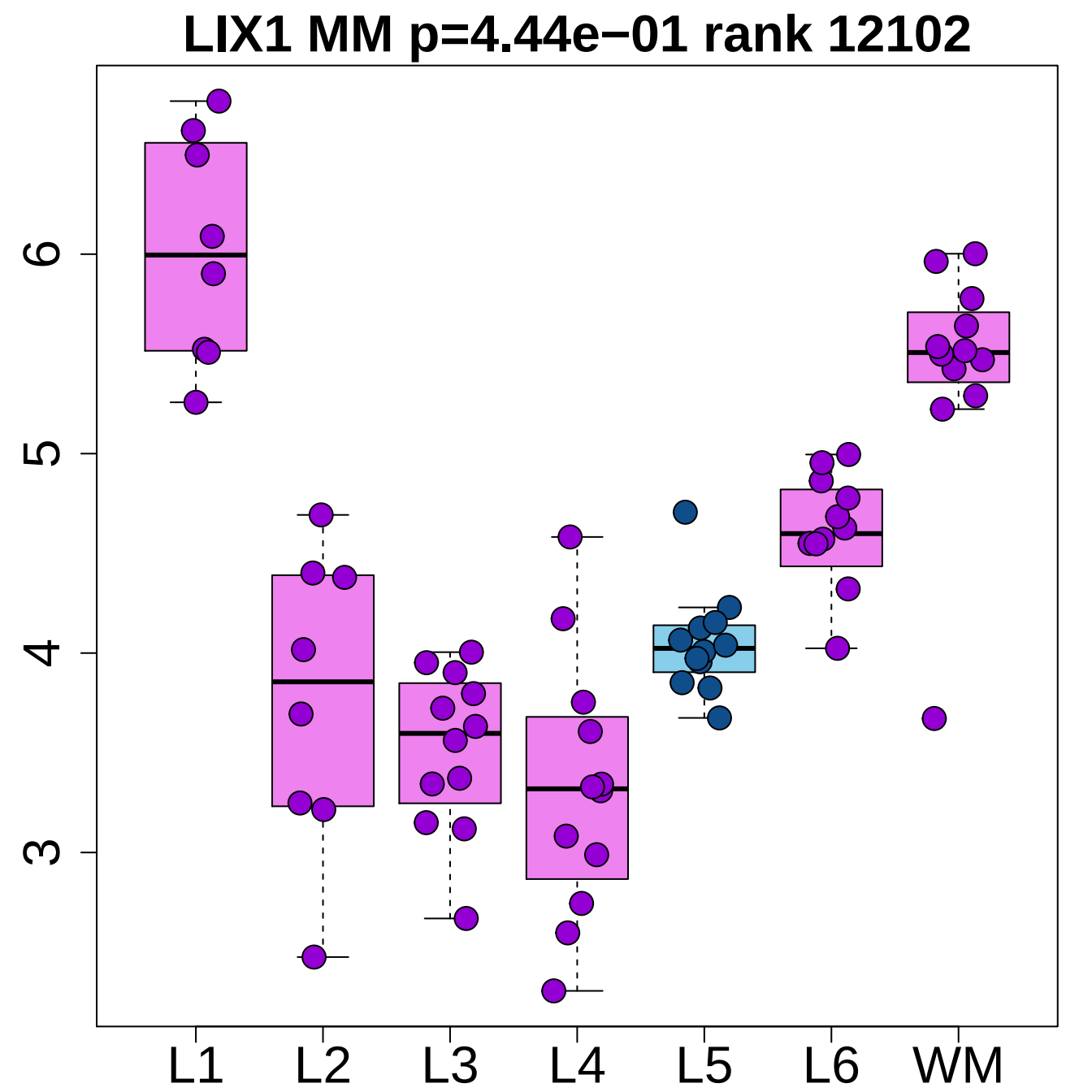
LIX1 MM p=4.44e−01 rank 12102
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5
4
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L2
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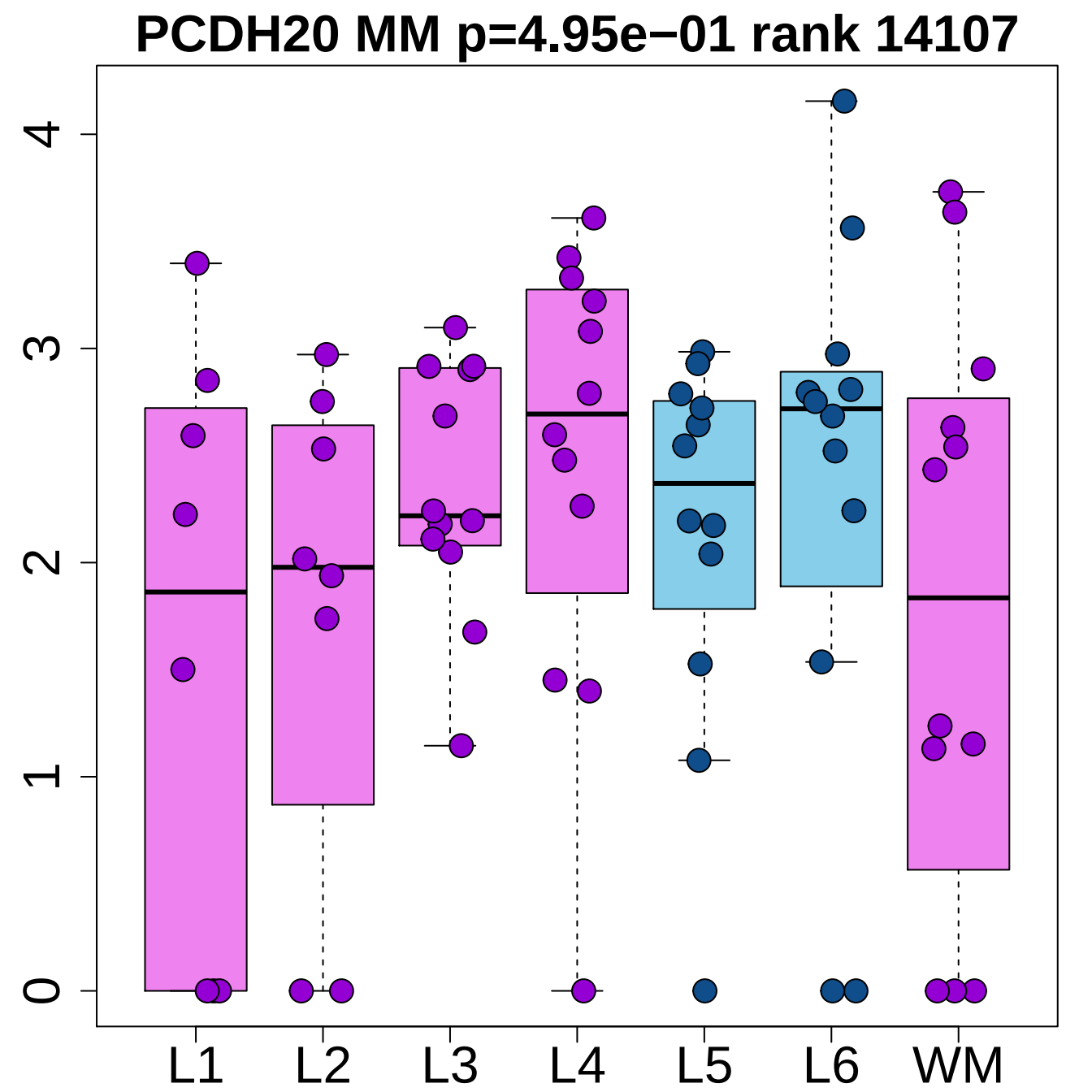
PCDH20 MM p=4.95e−01 rank 14107
0
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4
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L2
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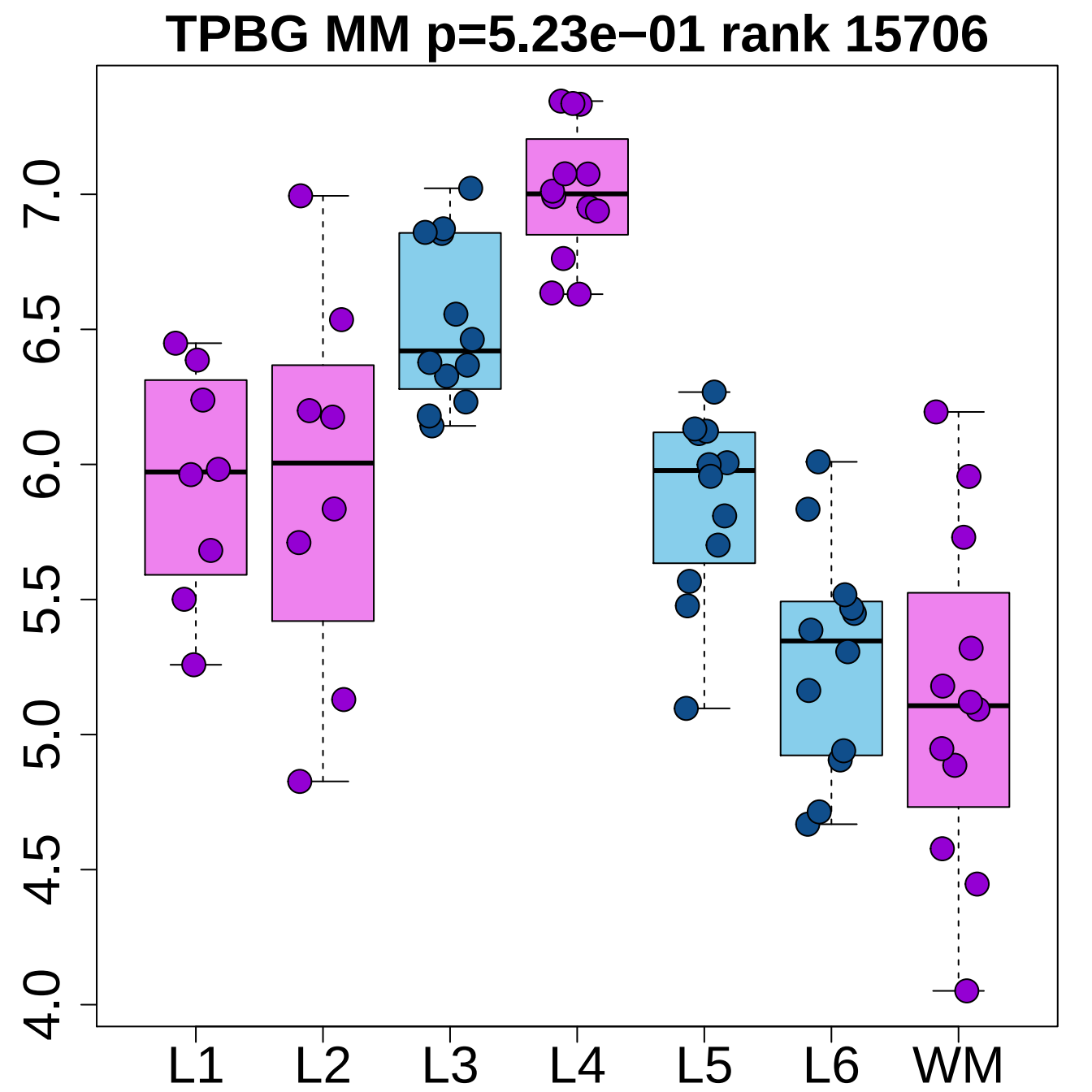
TPBG MM p=5.23e−01 rank 15706
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5.0
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L2
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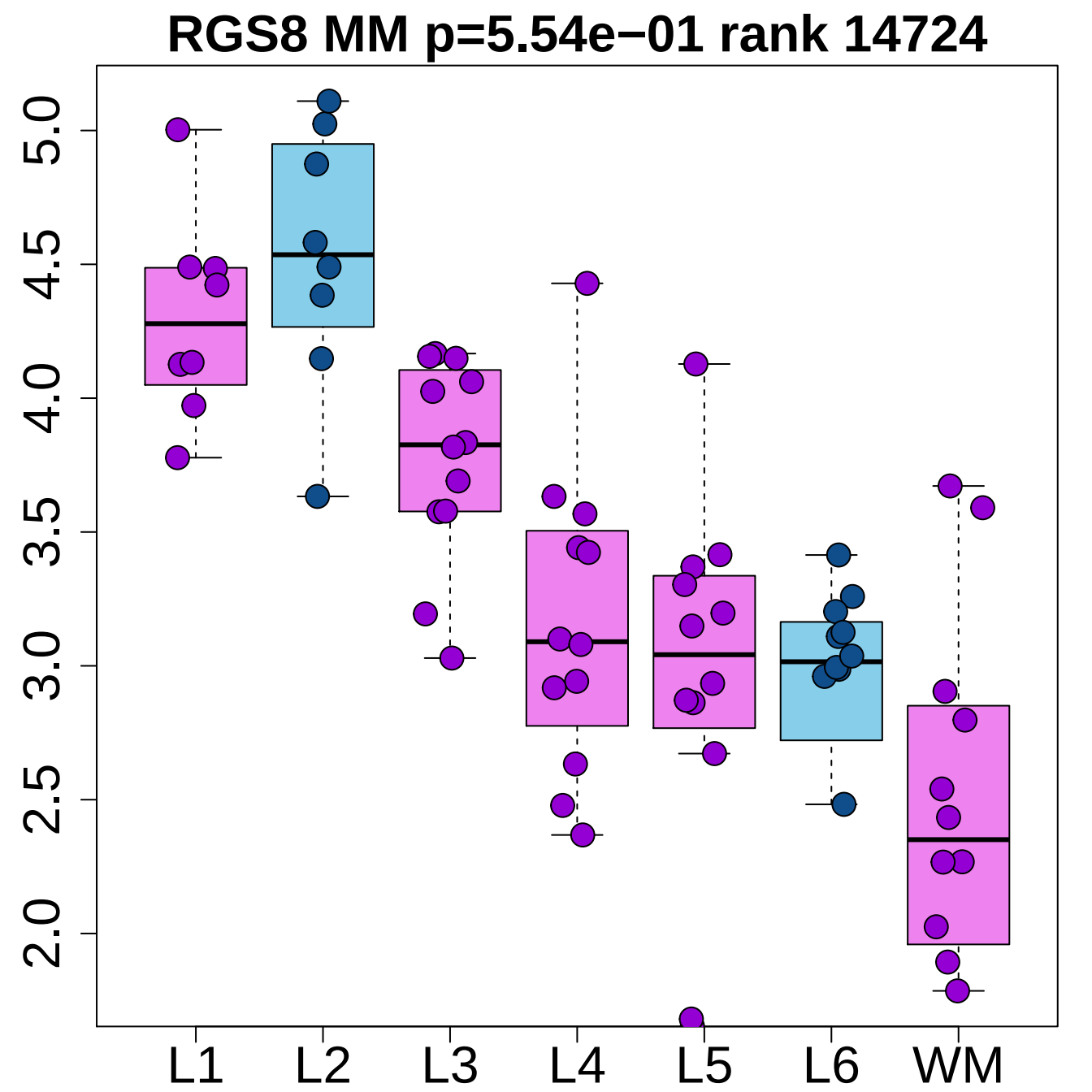
L4
L5
L6
WM


RGS8 MM p=5.54e−01 rank 14724
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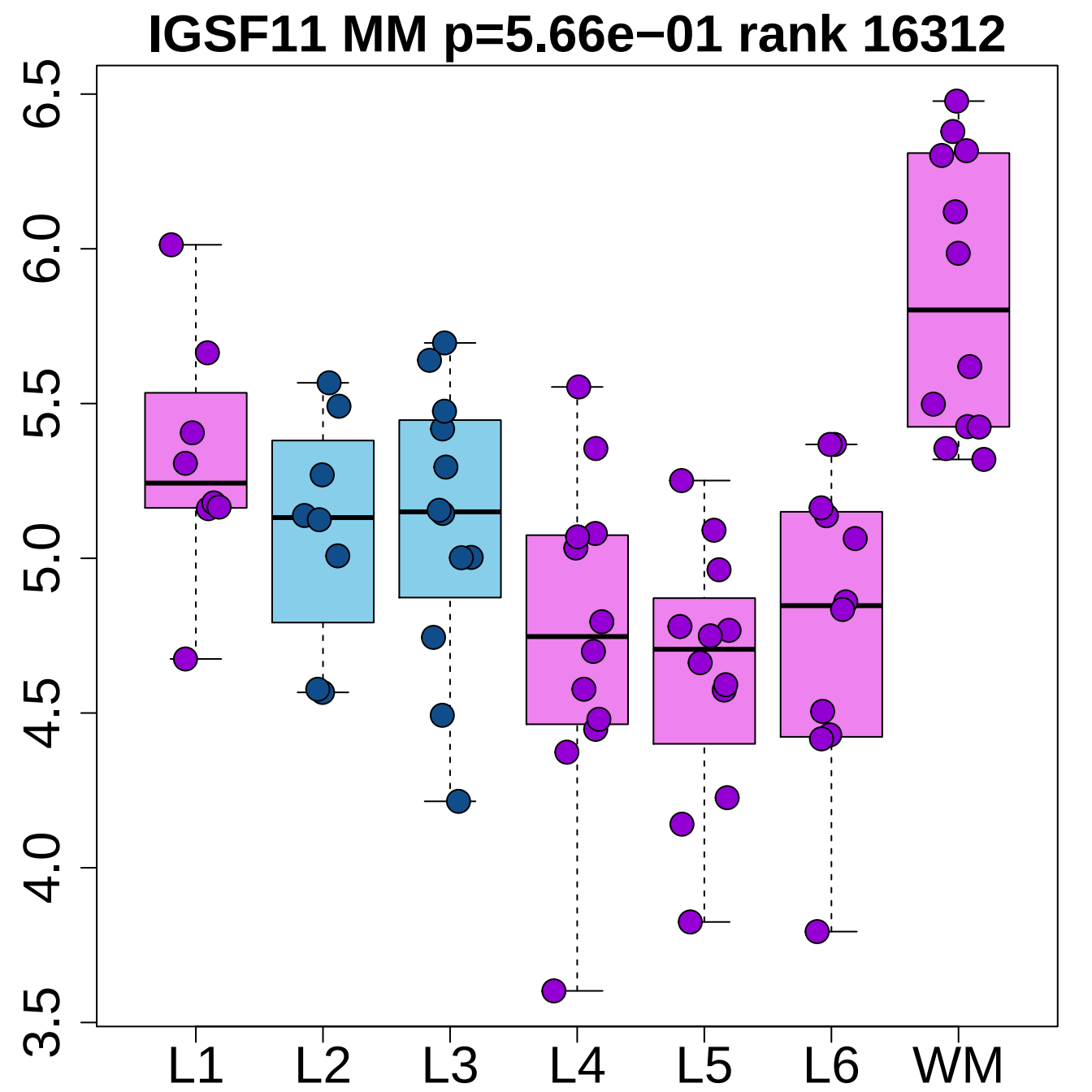
2.0
L1
L2
L3
L4
L5
L6
WM


IGSF11 MM p=5.66e−01 rank 16312
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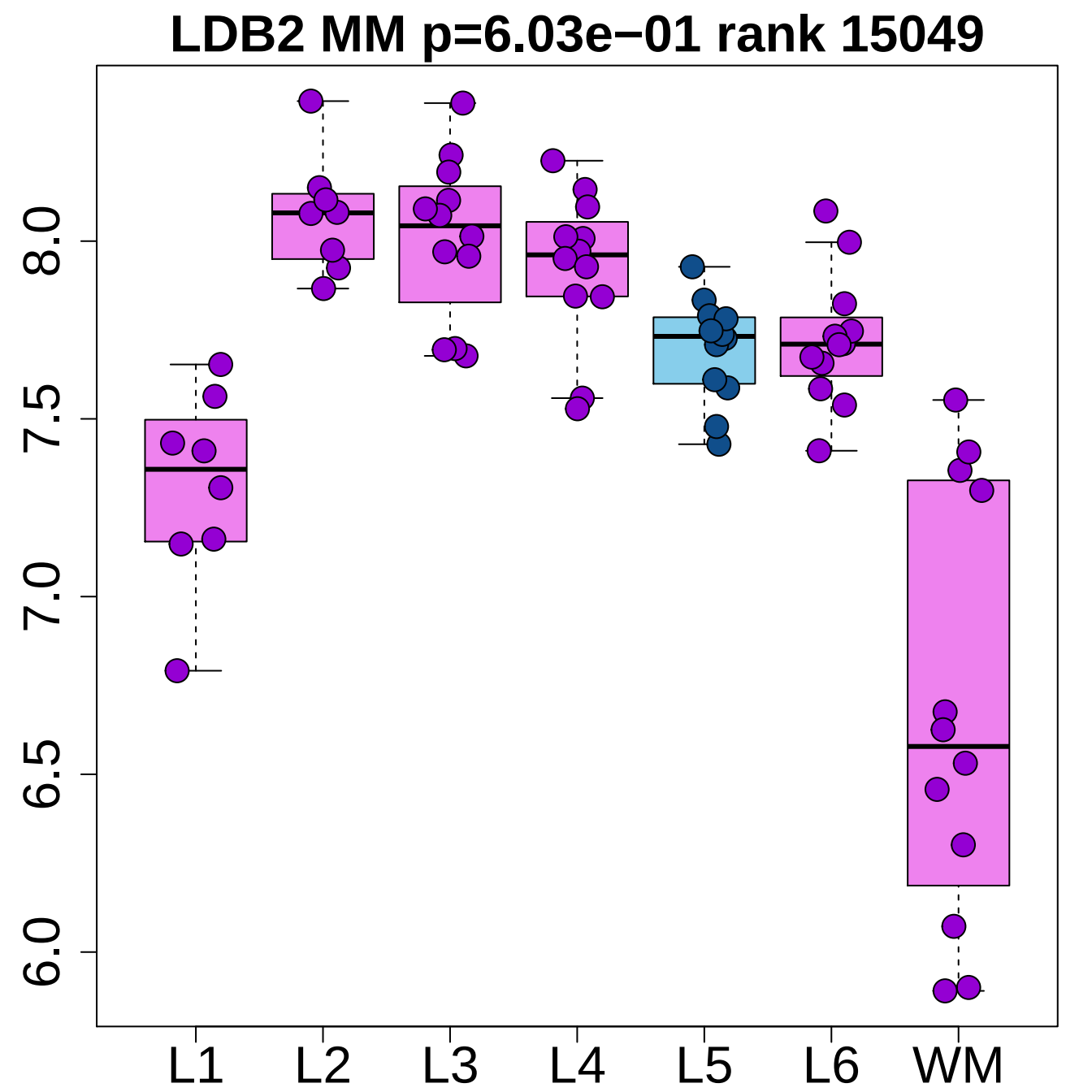
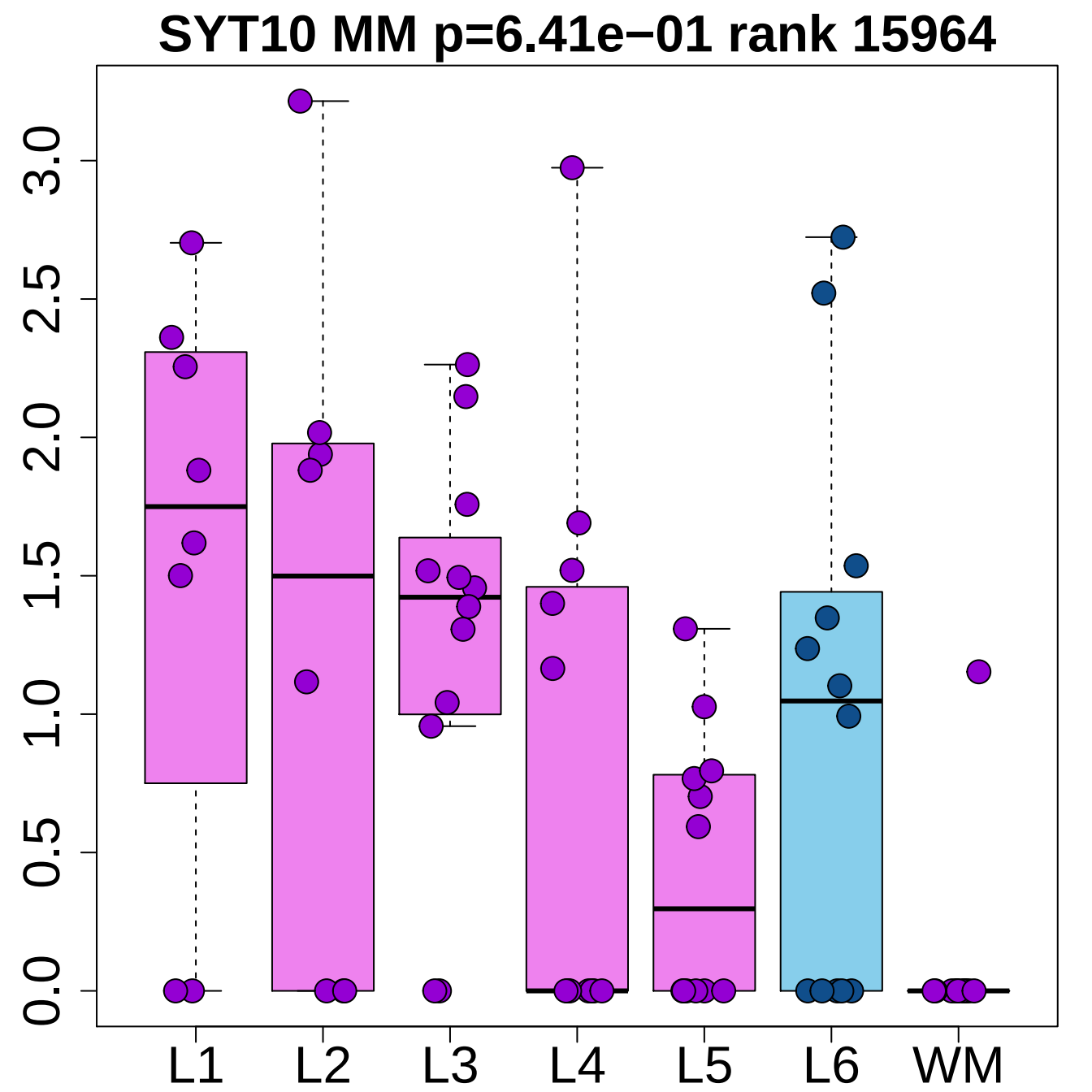
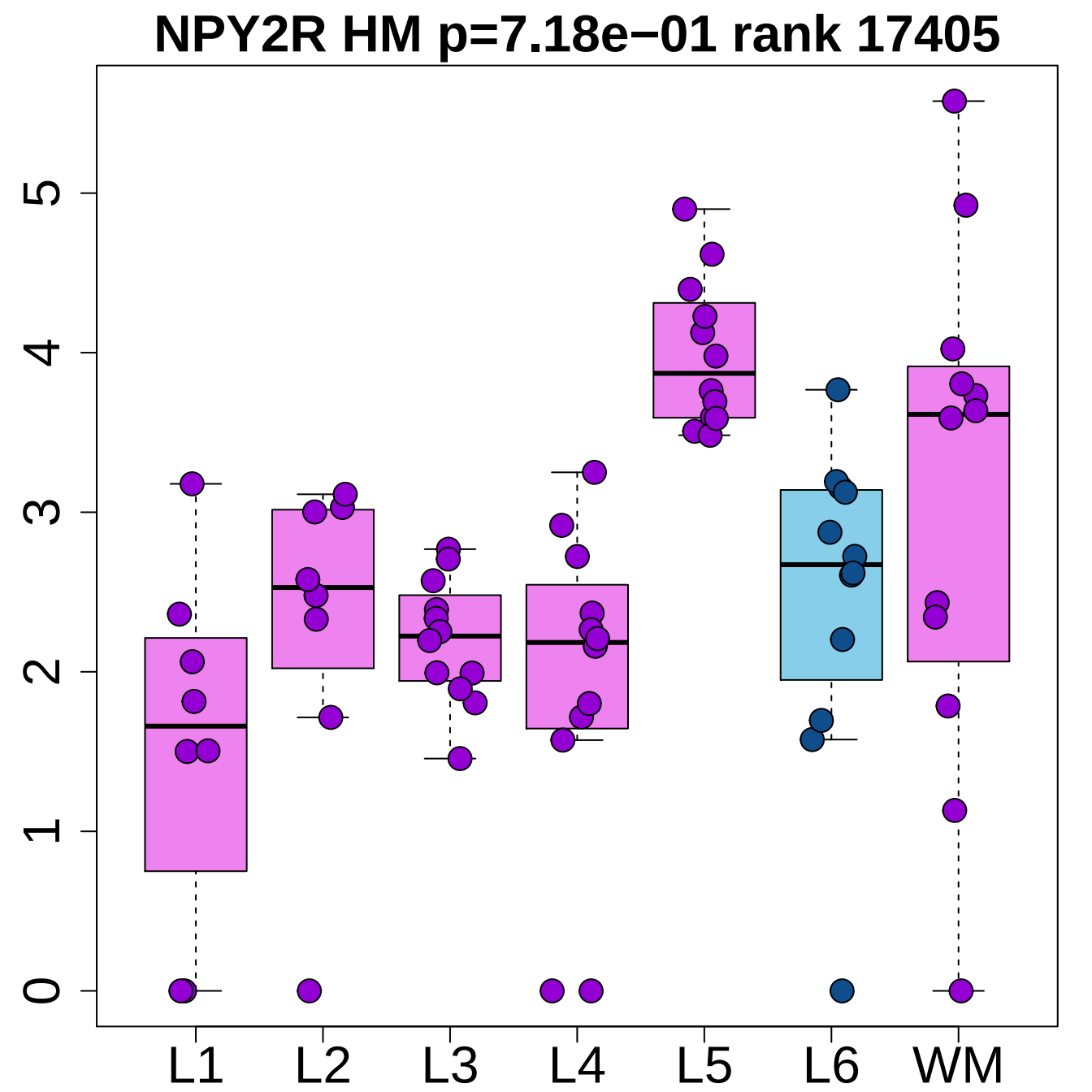
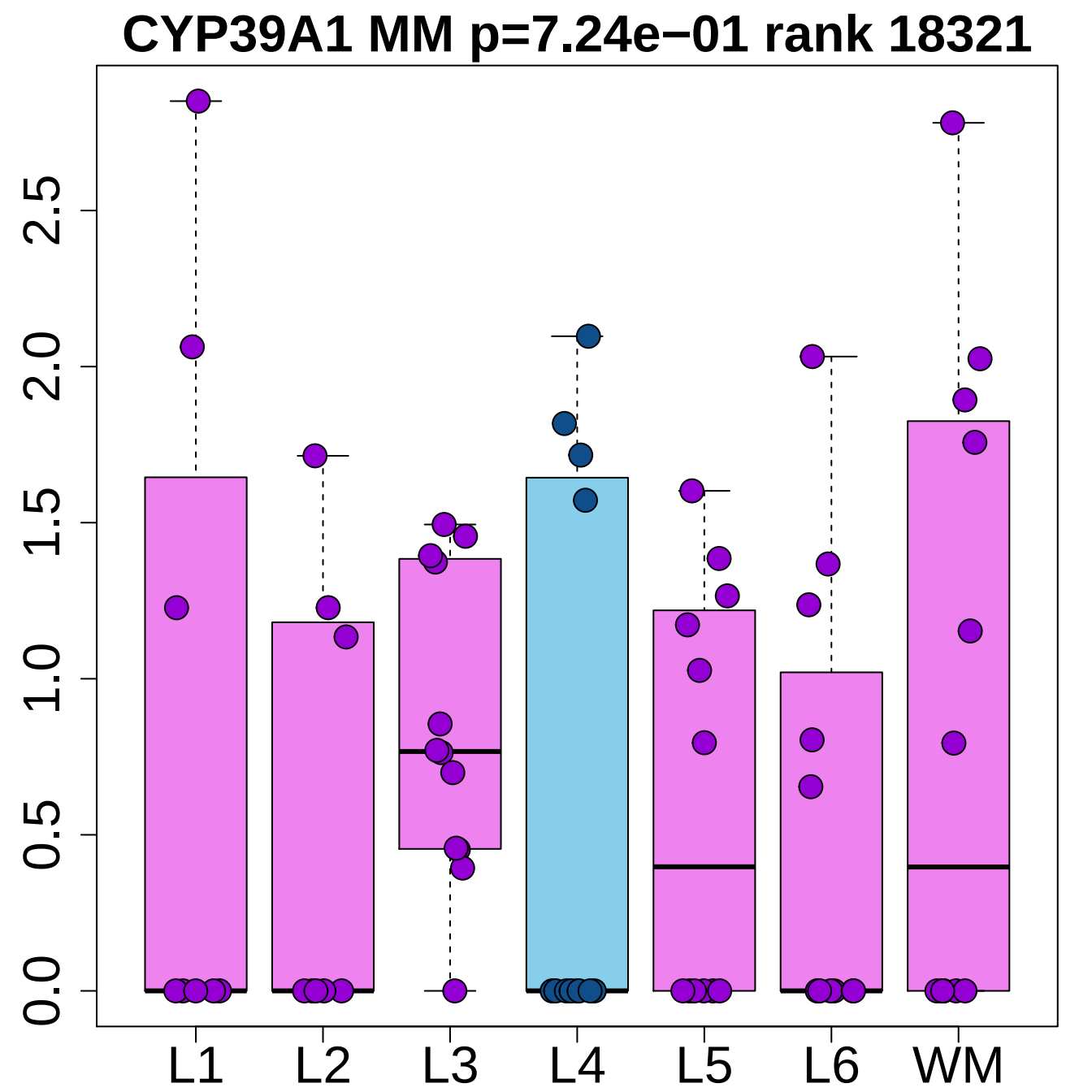
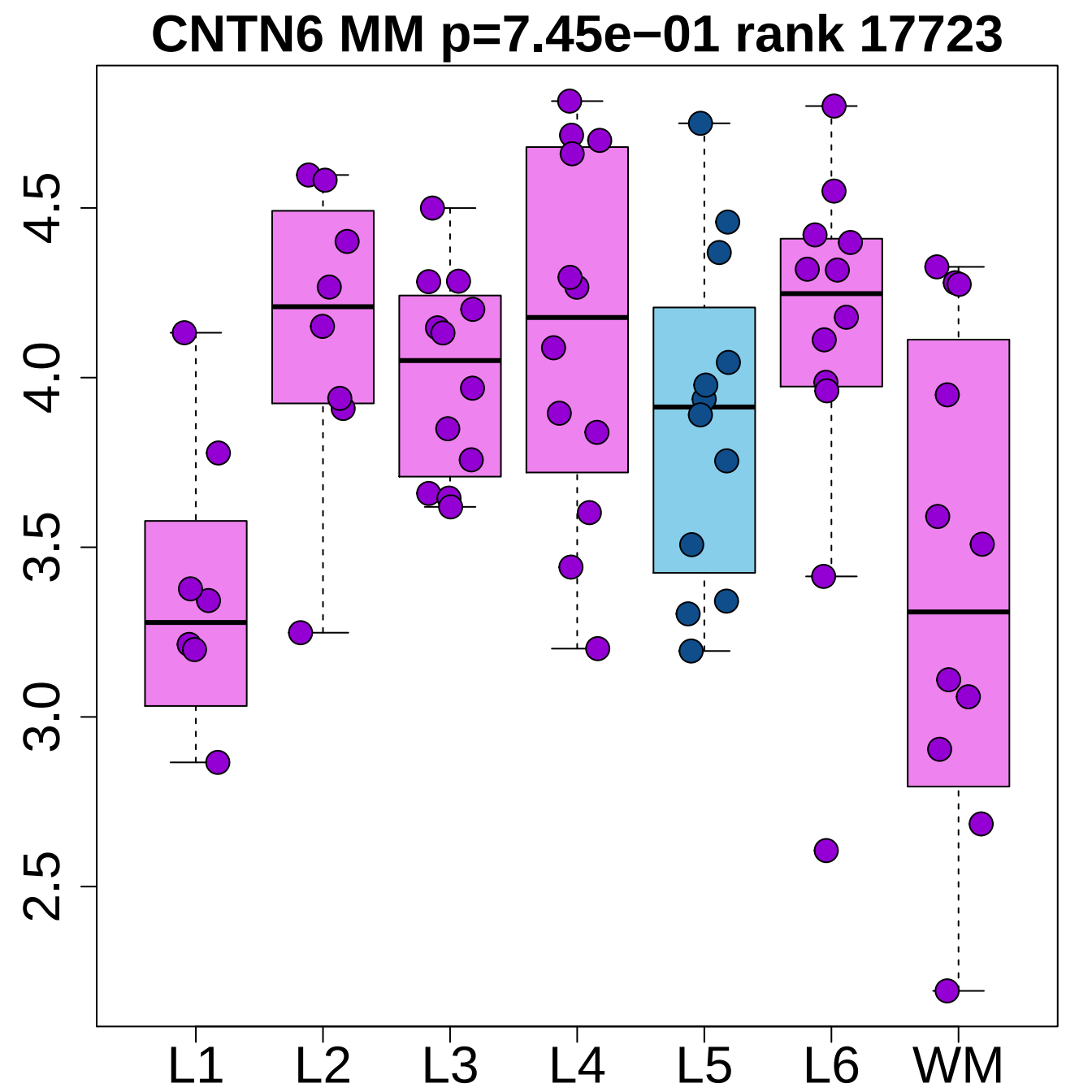
L2
L3
L4
L5
L6
WM

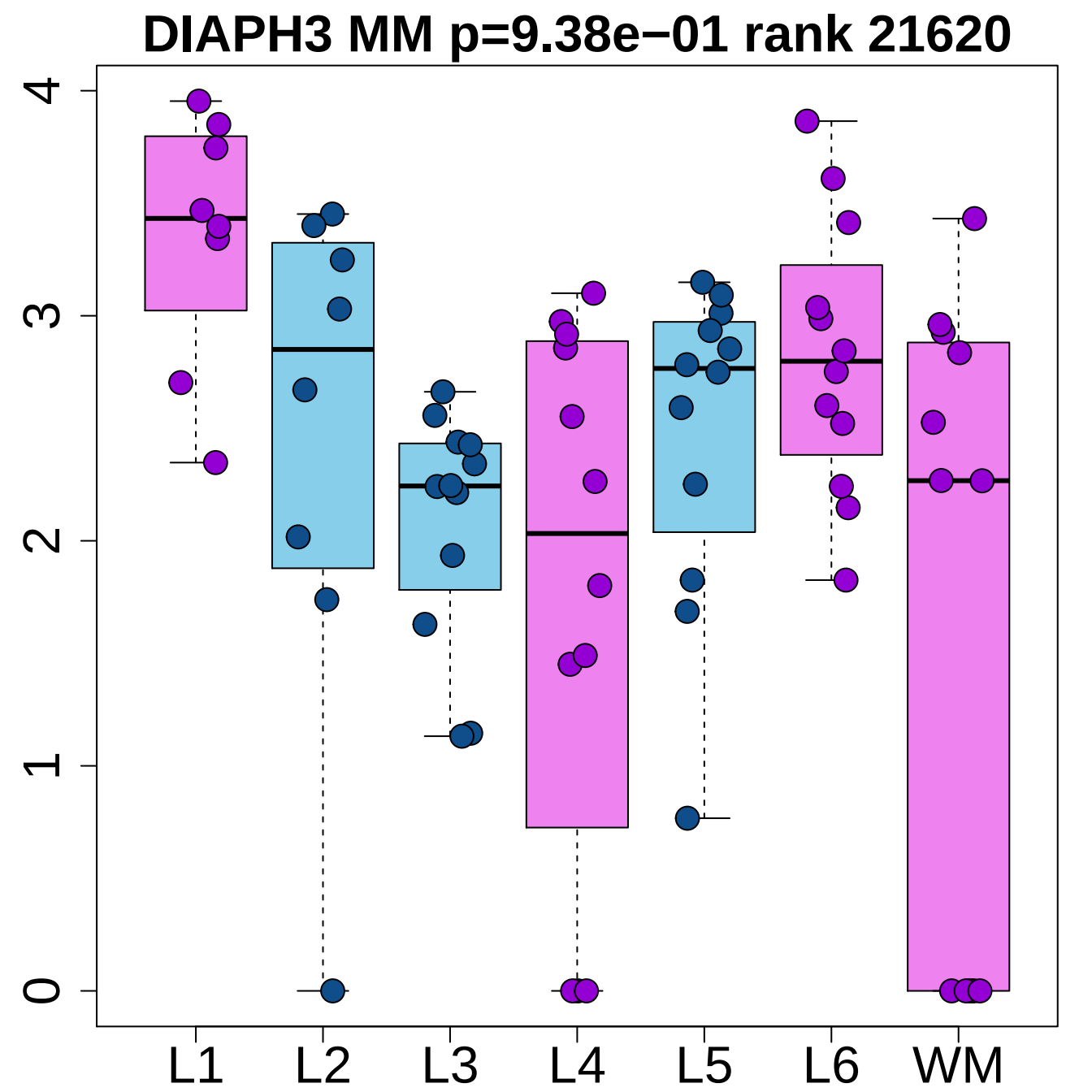

LDB2 MM p=6.03e−01 rank 15049
8.0
7.5
7.0
6.5
6.0
L1
L2
L3
L4
L5
L6
WM

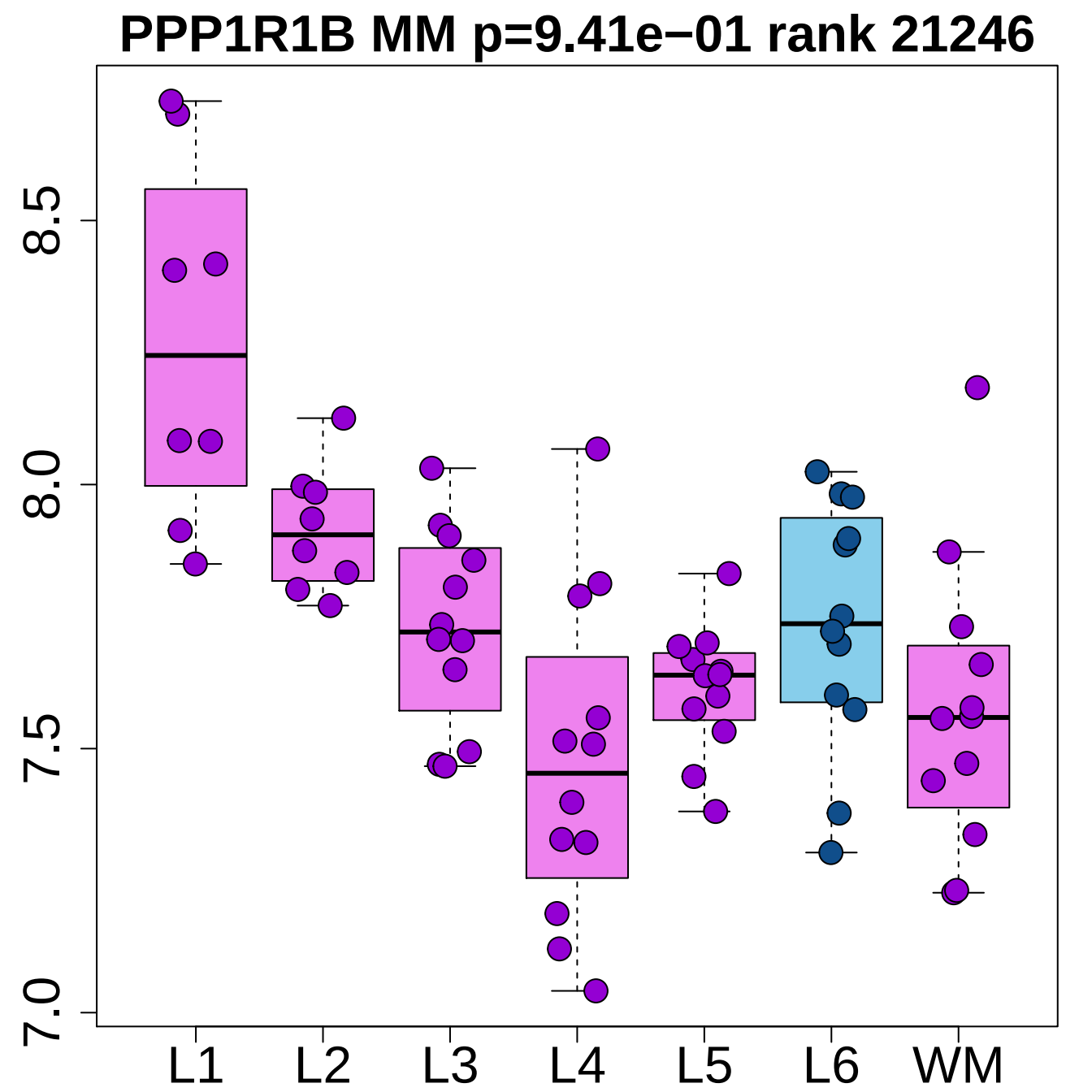

SYT10 MM p=6.41e−01 rank 15964
0.0
0.5
1.0
1.5
2.0
2.5
3.0
L1
L2
L3
L4
L5
L6
WM

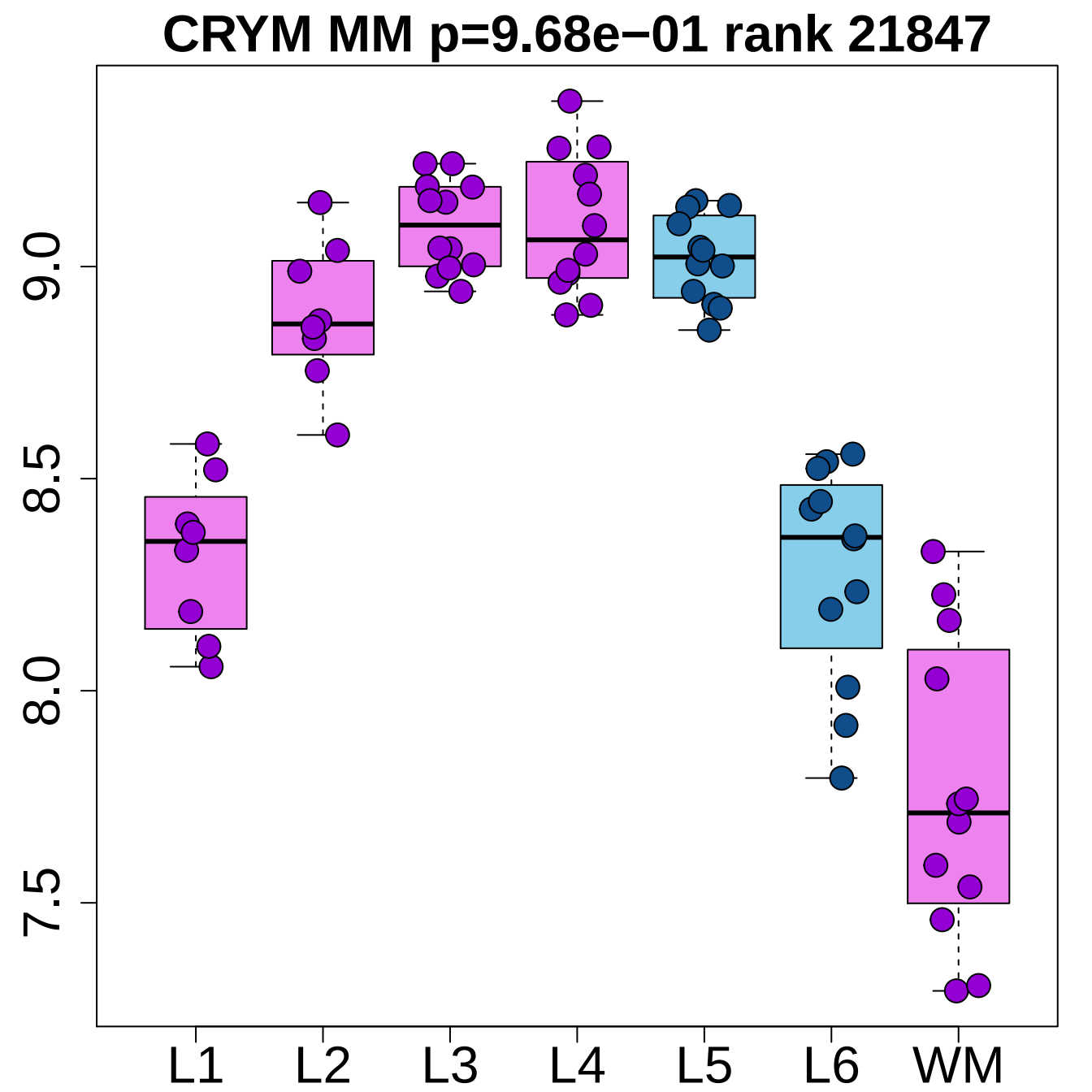

NPY2R HM p=7.18e−01 rank 17405
0
1
2
3
4
5
L1
L2
L3
L4
L5
L6
WM

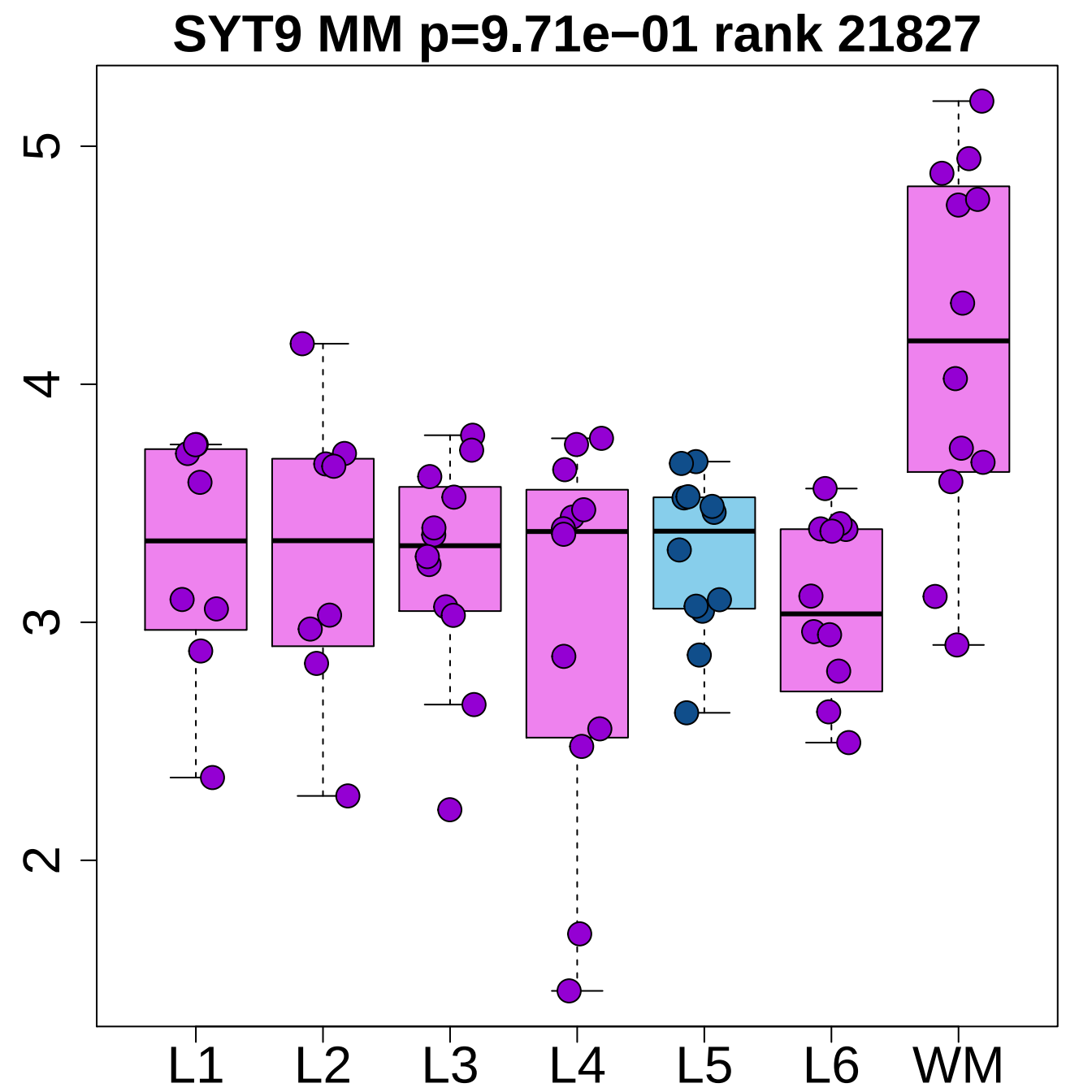

CYP39A1 MM p=7.24e−01 rank 18321
0.0
0.5
1.0
1.5
2.0
2.5
L1
L2
L3
L4
L5
L6
WM


CNTN6 MM p=7.45e−01 rank 17723
4.5
4.0
3.5
3.0
2.5
L1
L2
L3
L4
L5
L6
WM


DIAPH3 MM p=9.38e−01 rank 21620
0
1
2
3
4
L1
L2
L3
L4
L5
L6
WM


PPP1R1B MM p=9.41e−01 rank 21246
8.5
8.0
7.5
7.0
L1
L2
L3
L4
L5
L6
WM


CRYM MM p=9.68e−01 rank 21847
9.0
8.5
8.0
7.5
L1
L2
L3
L4
L5
L6
WM


SYT9 MM p=9.71e−01 rank 21827
5
4
3
2
L1
L2
L3
L4
L5
L6
WM