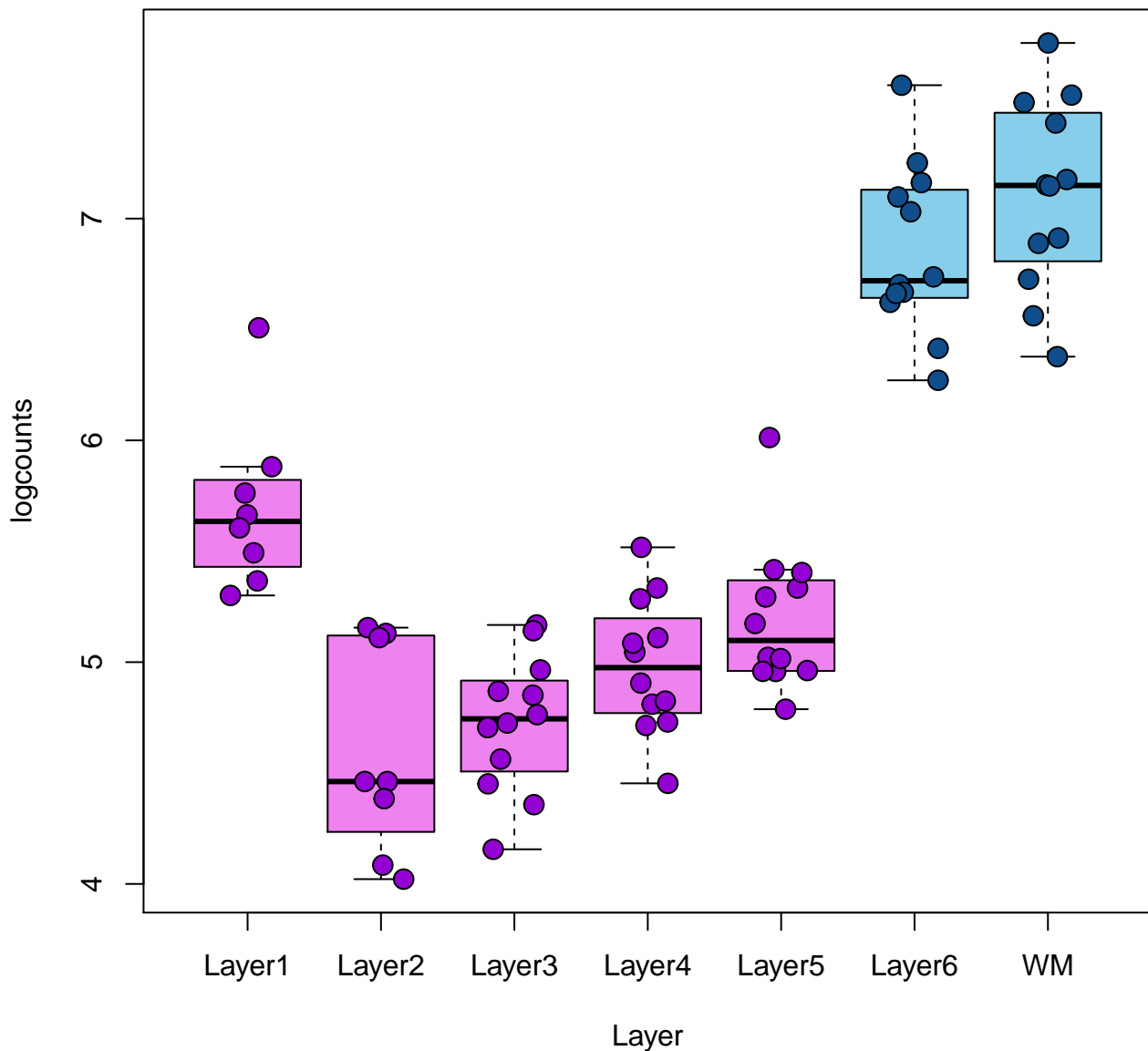


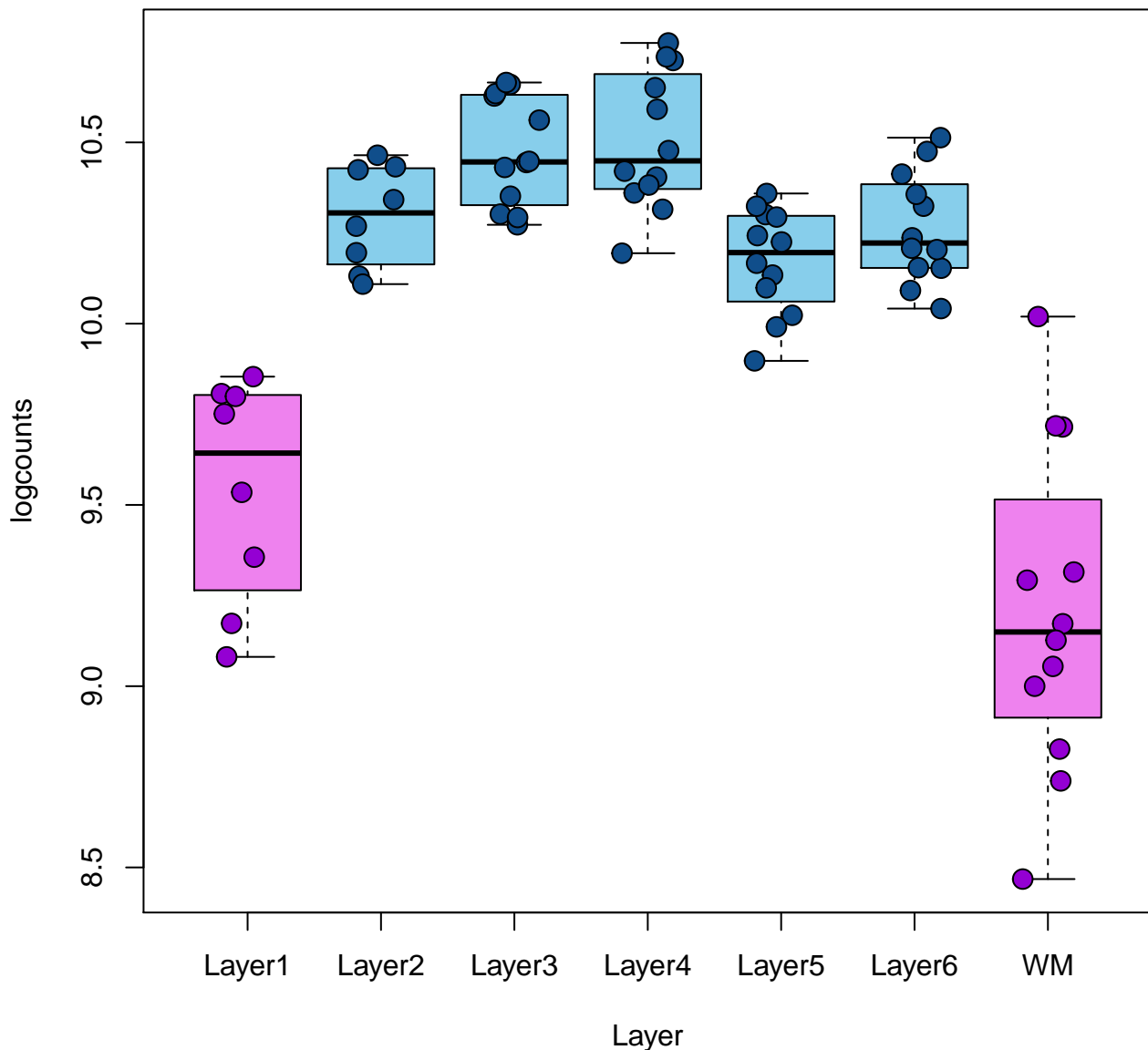
# CTGF ENSG00000118523 mouse marker (KM)

Layer6+WM vs others

tstat 1.70e+01 p 9.37e-28 rank 1



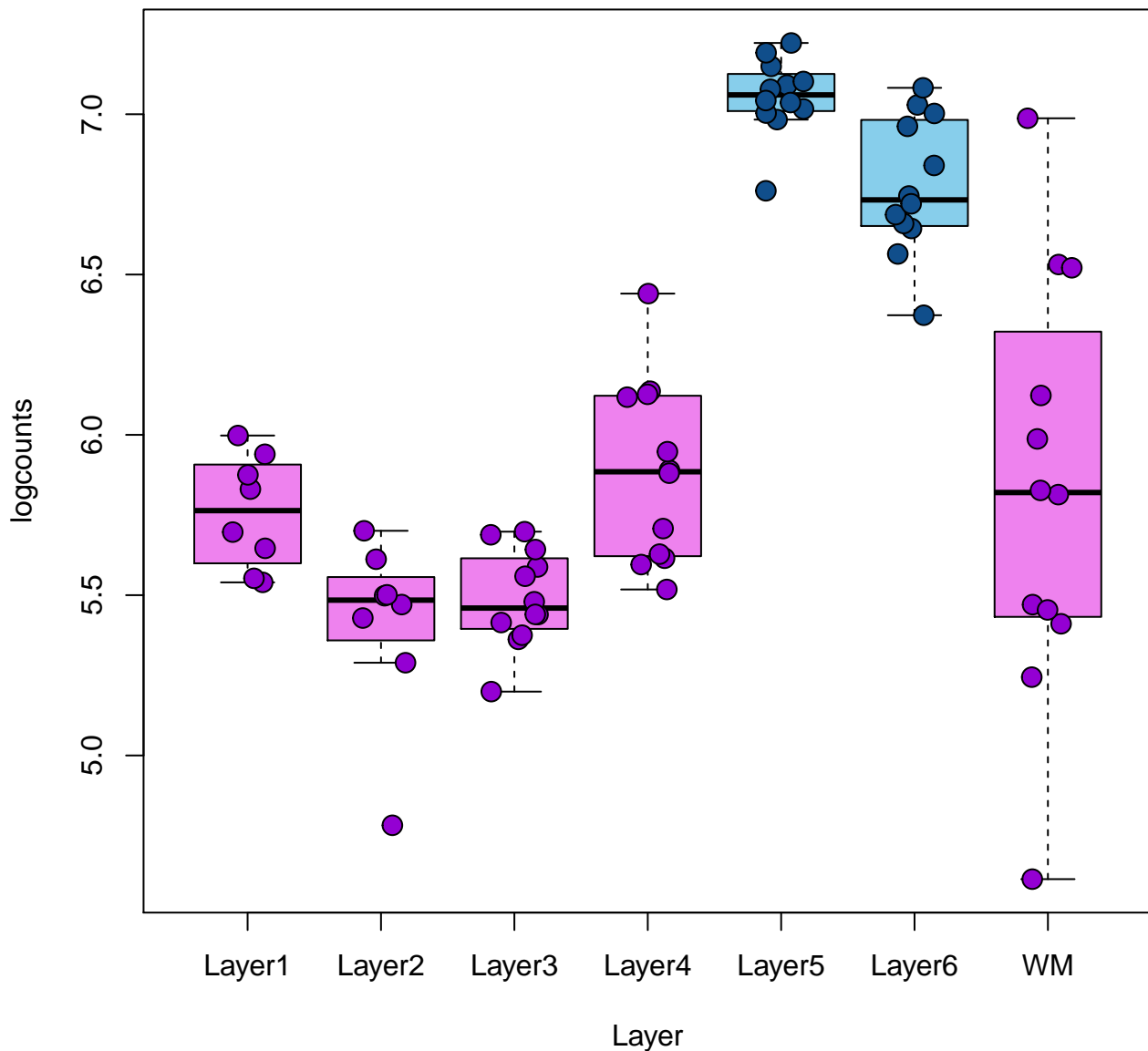
**LMO4 ENSG00000143013 mouse marker (BM)**  
**Layer2+Layer3+Layer4+Layer5+Layer6 vs others**  
**tstat 1.40e+01 p 9.41e-23 rank 20**



# ETV1 ENSG00000006468 mouse marker (KM)

Layer5+Layer6 vs others

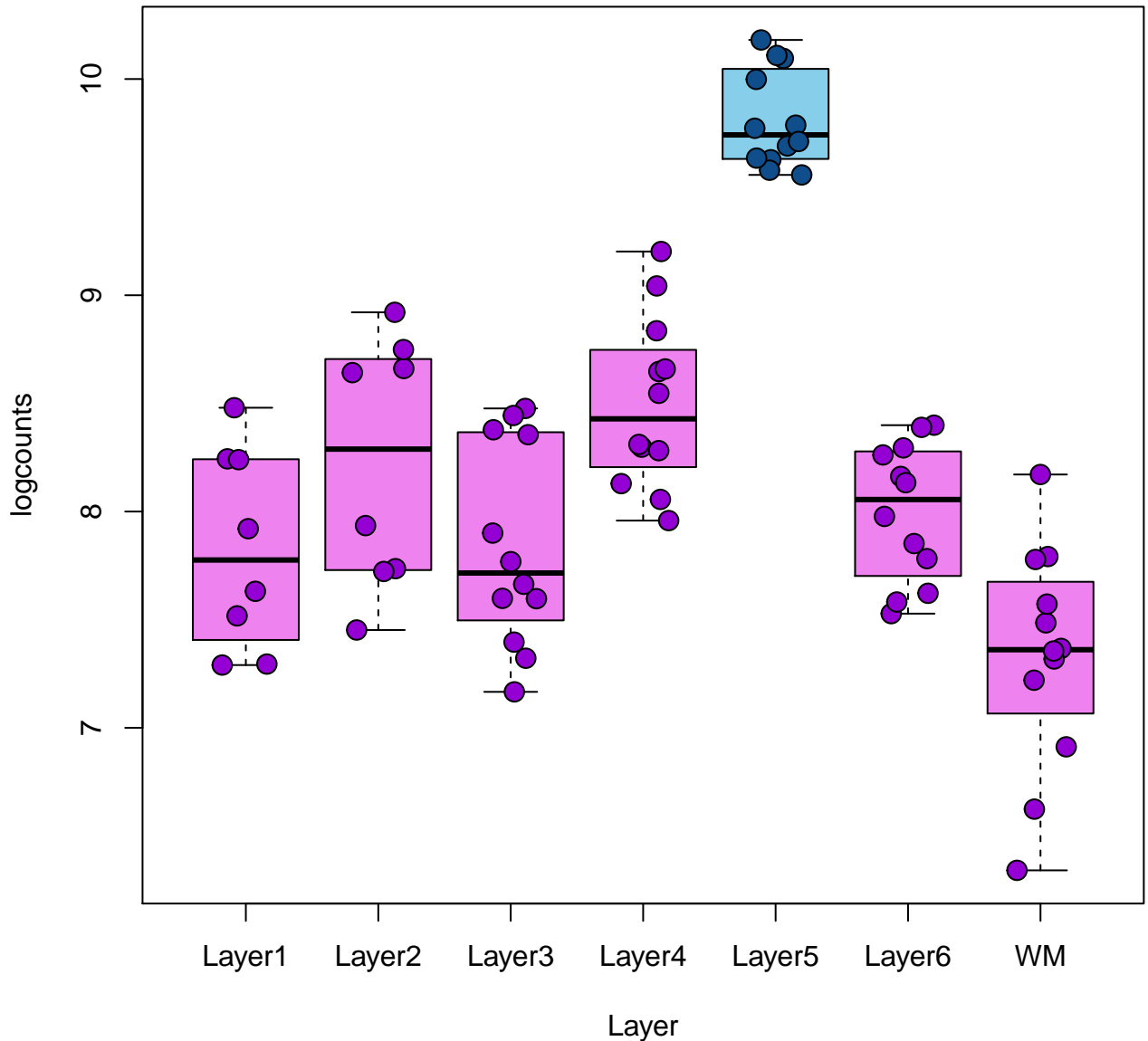
tstat 1.39e+01 p 1.30e-22 rank 1



# PCP4 ENSG00000183036 mouse marker (BM)

Layer5 vs others

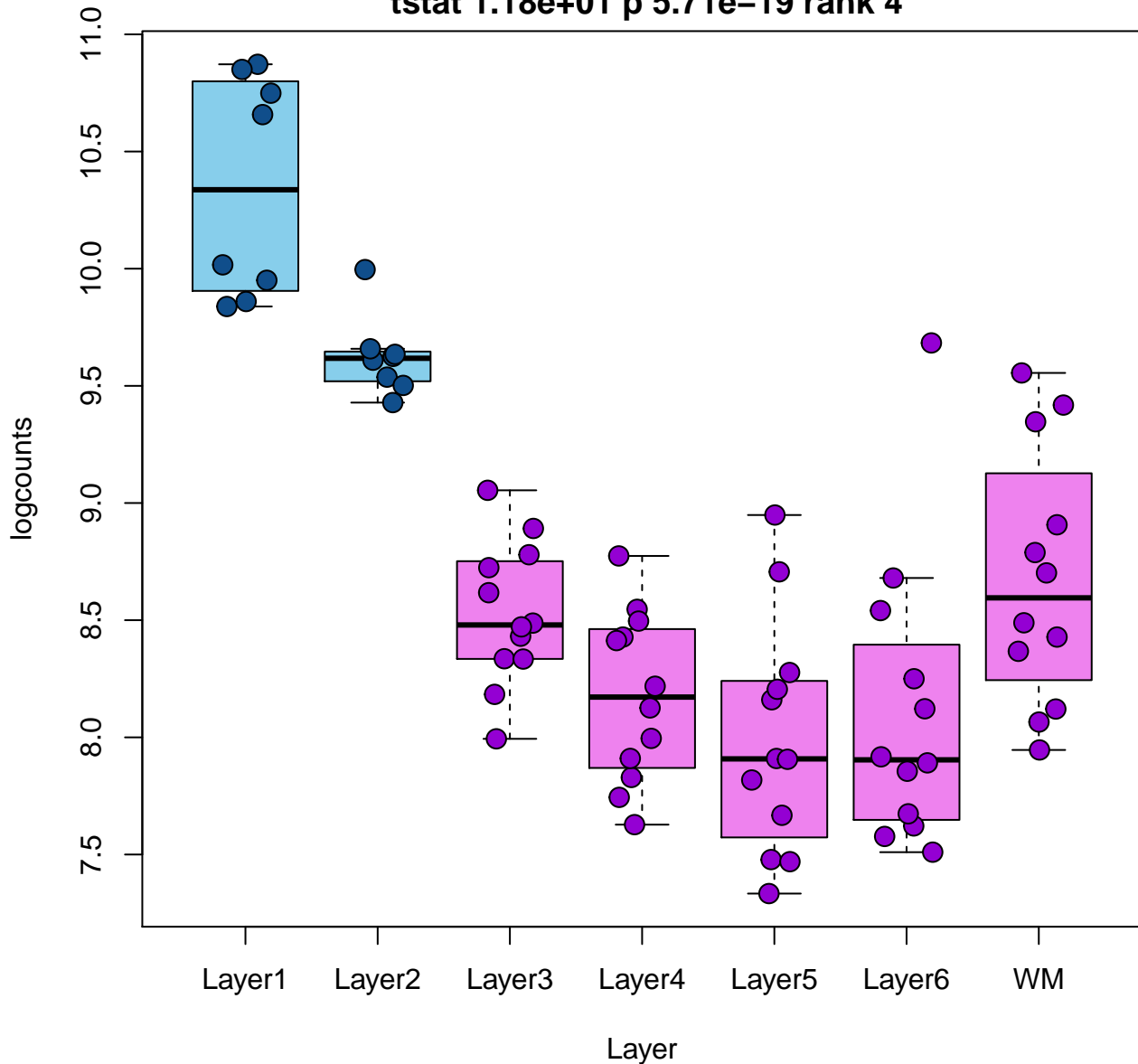
tstat 1.21e+01 p 1.81e-19 rank 1



# CXCL14 ENSG00000145824 mouse marker (KM)

Layer1+Layer2 vs others

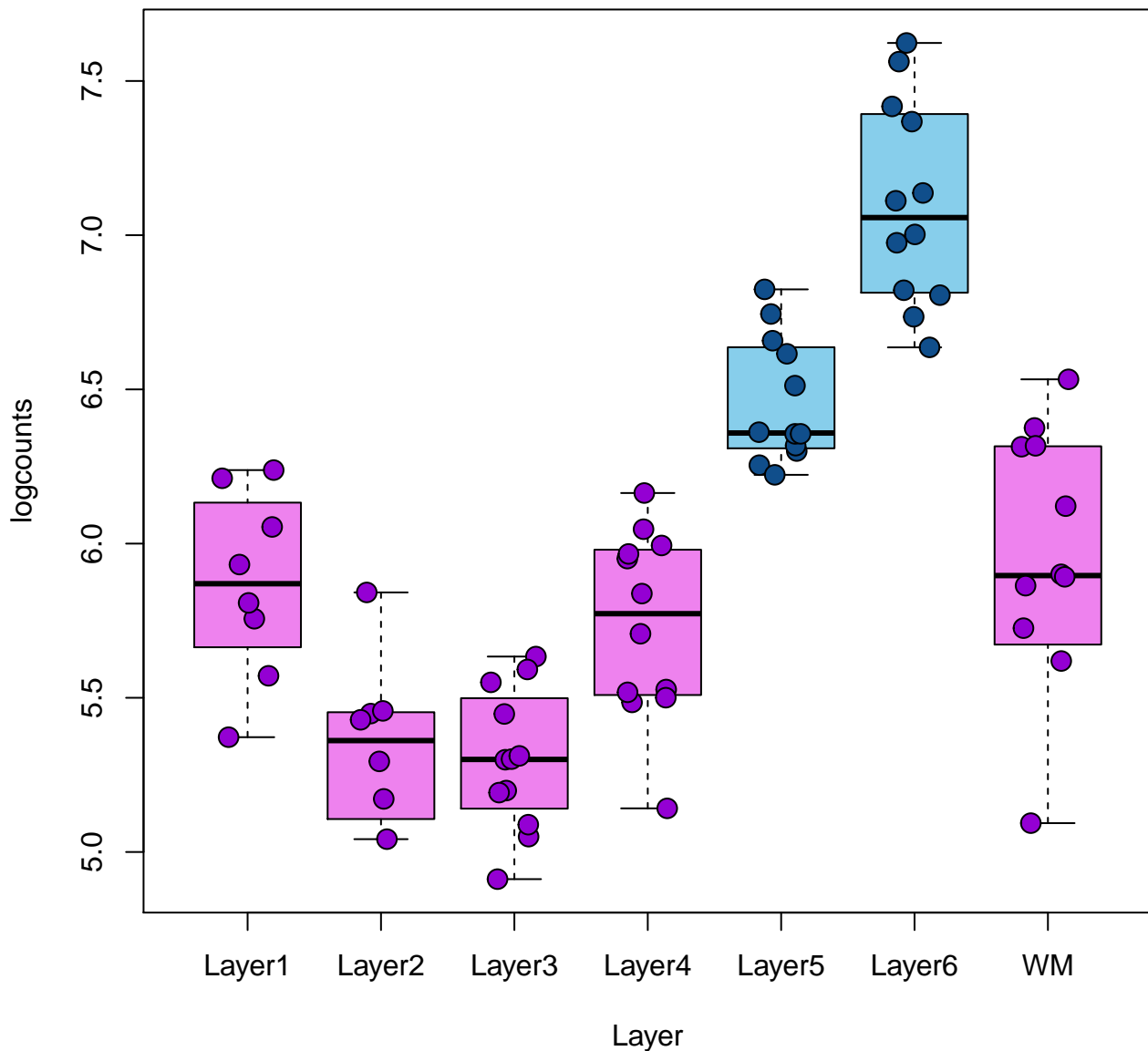
tstat 1.18e+01 p 5.71e-19 rank 4



# NTNG2 ENSG00000196358 mouse marker (KM)

Layer5+Layer6 vs others

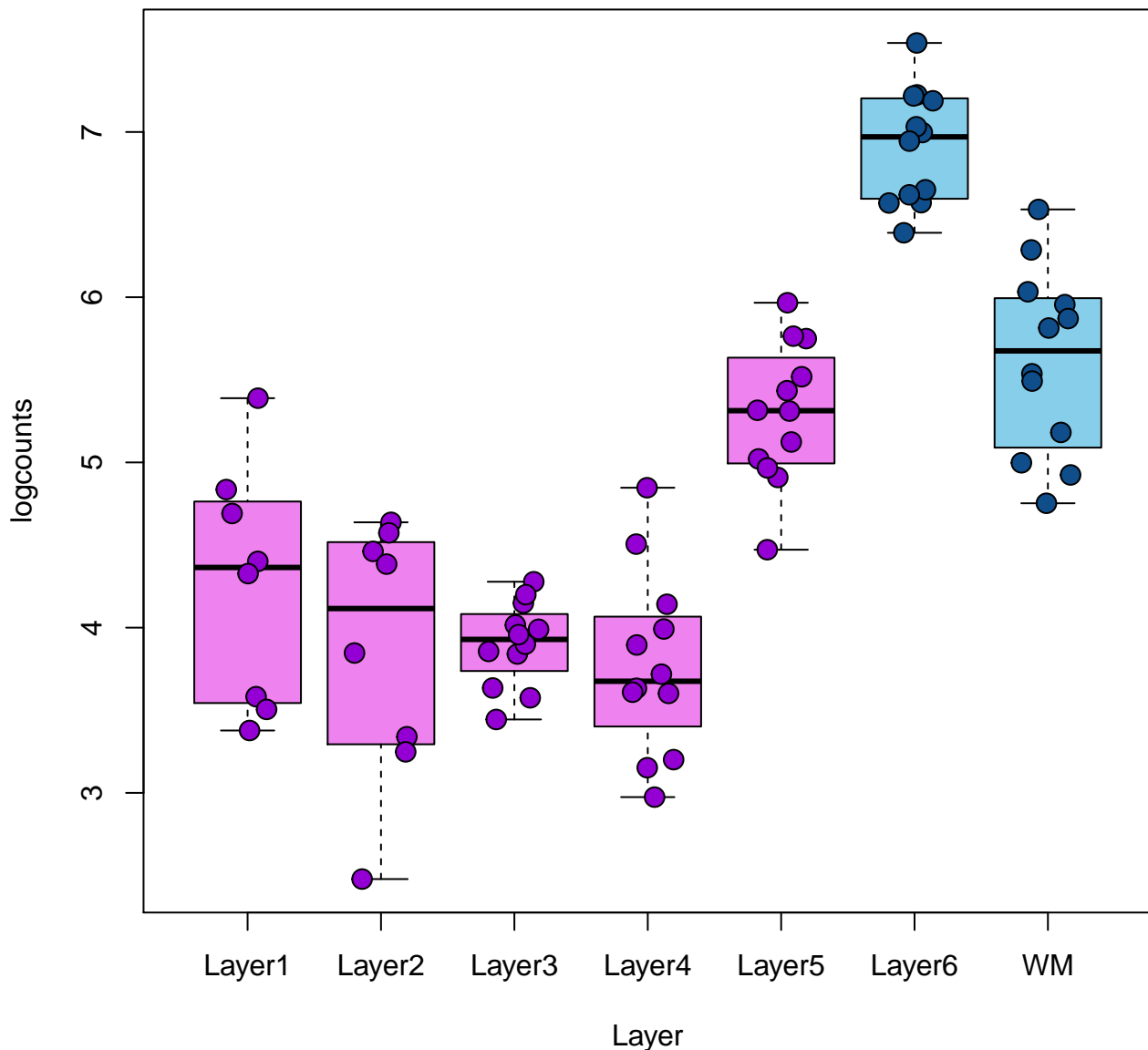
tstat 1.13e+01 p 5.13e-18 rank 6



# NR4A2 ENSG00000153234 mouse marker (KM)

Layer6+WM vs others

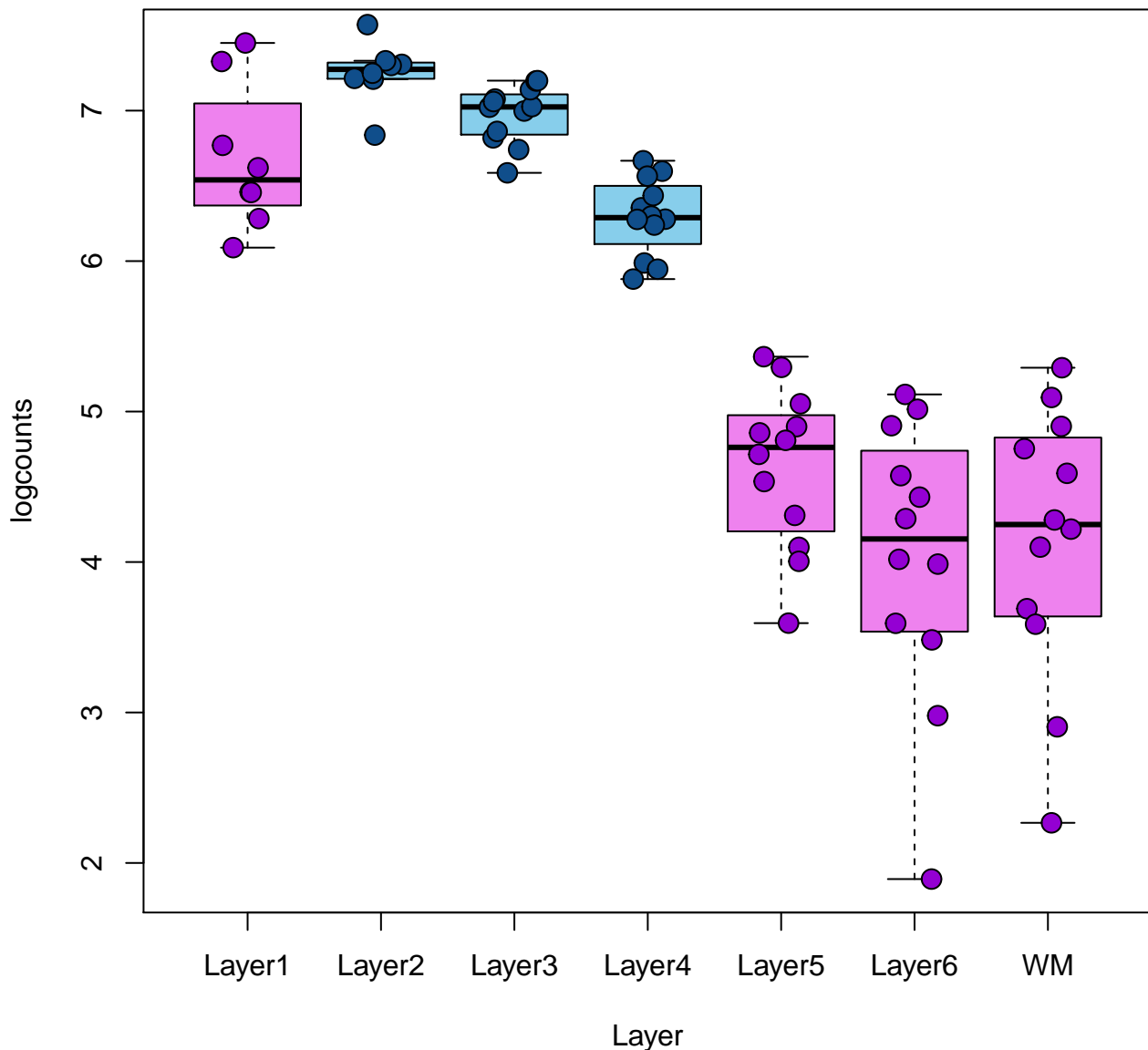
tstat 1.04e+01 p 2.64e-16 rank 50



# CUX2 ENSG00000111249 mouse marker (KM+BM)

Layer2+Layer3+Layer4 vs others

tstat 9.87e+00 p 2.65e-15 rank 7

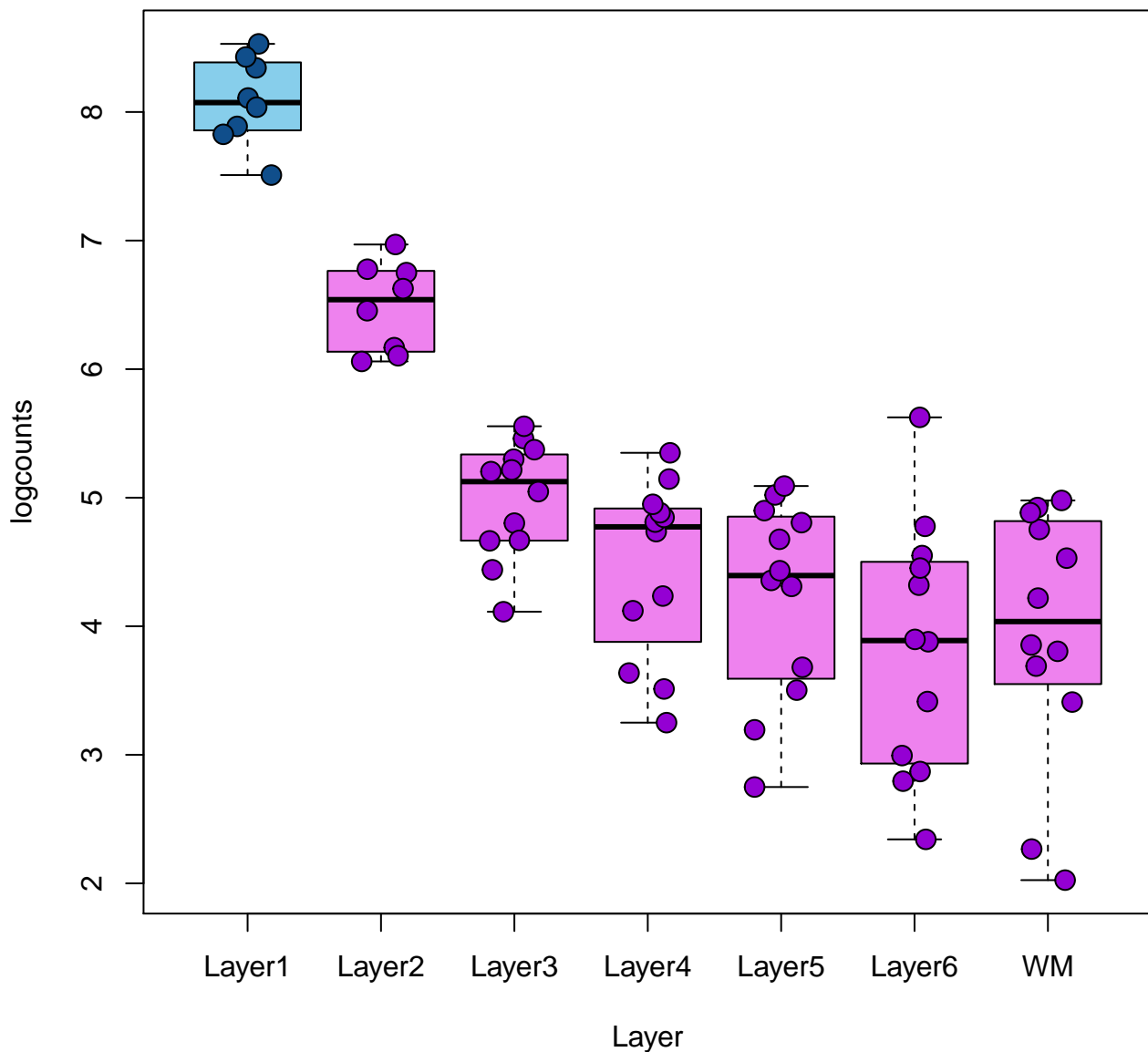




# RELN ENSG00000189056 mouse marker (KM+BM)

Layer1 vs others

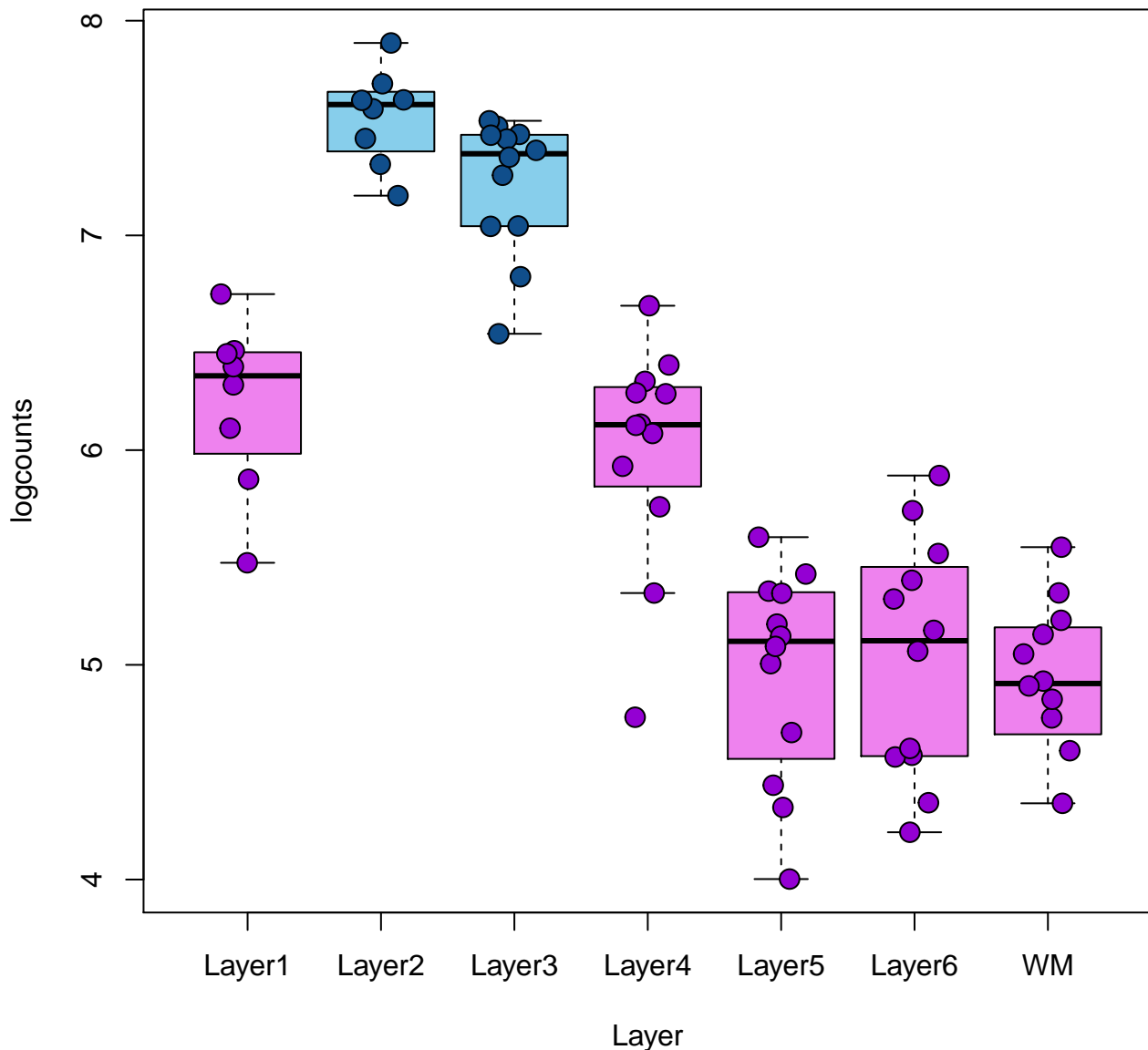
tstat 9.62e+00 p 7.94e-15 rank 19



# CALB1 ENSG00000104327 mouse marker (KM)

Layer2+Layer3 vs others

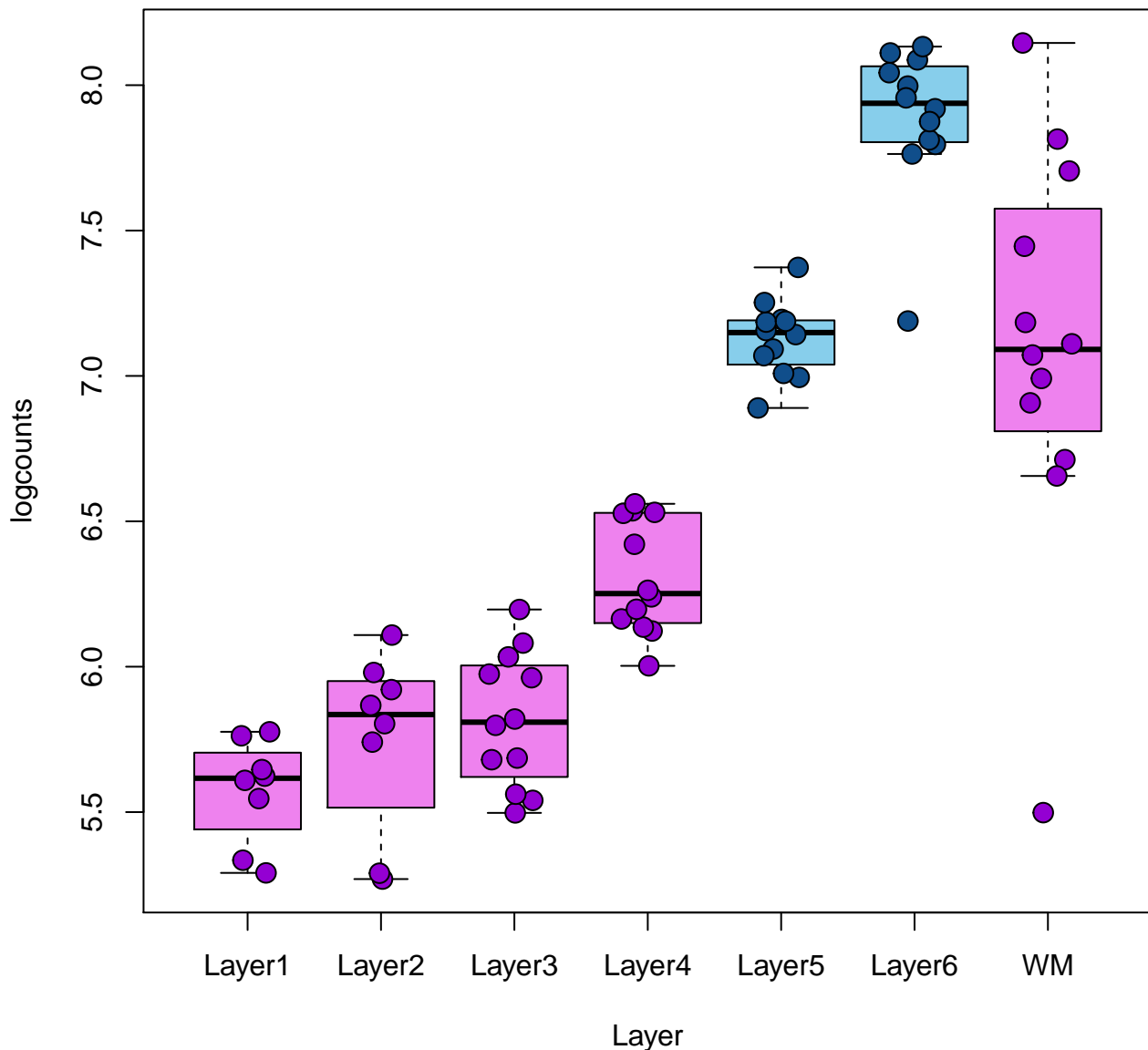
tstat 9.47e+00 p 1.54e-14 rank 8



# B3GALT2 ENSG00000162630 mouse marker (KM)

Layer5+Layer6 vs others

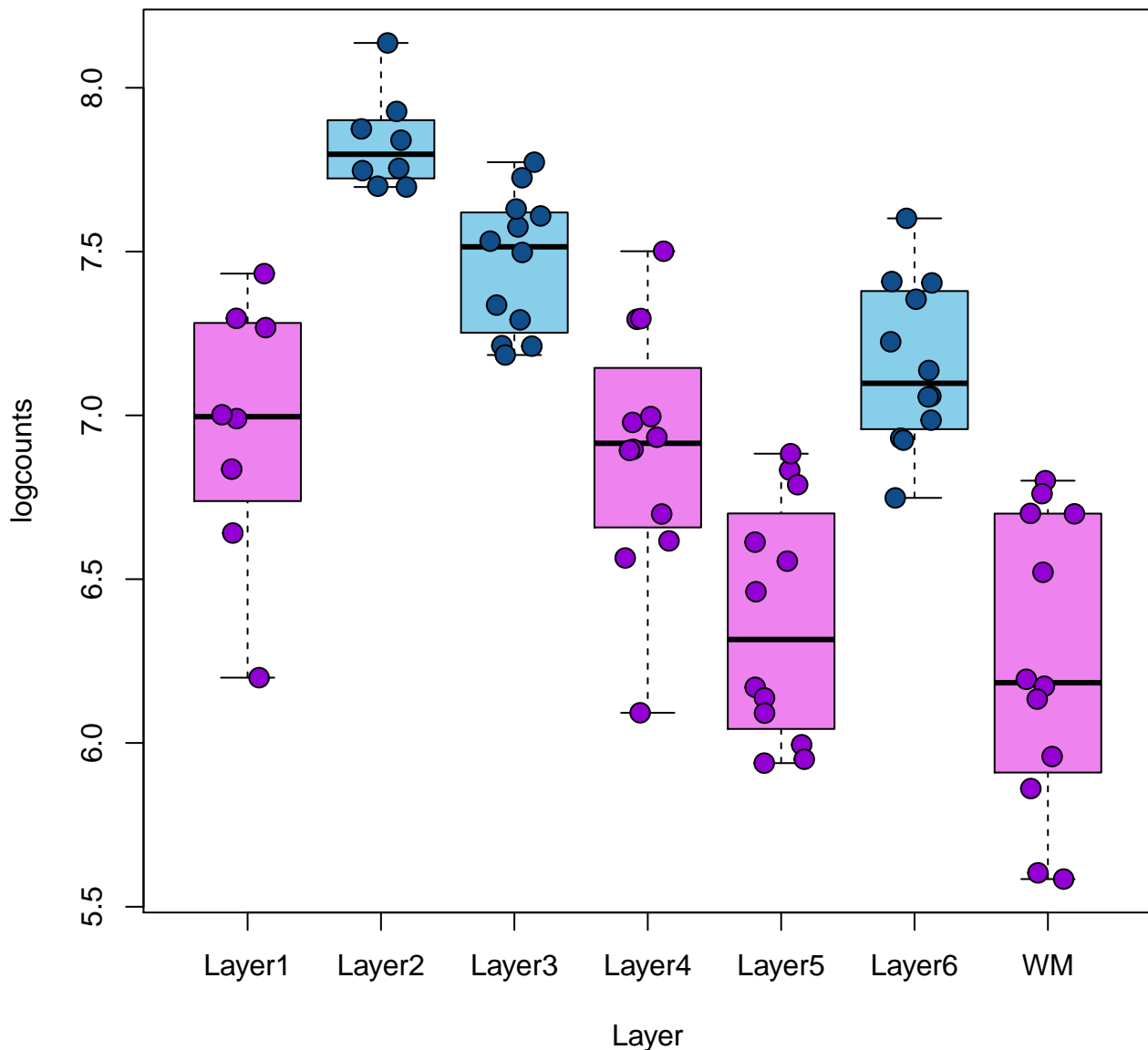
tstat 8.92e+00 p 1.76e-13 rank 20



# CBLN2 ENSG00000141668 mouse marker (KM)

Layer2+Layer3+Layer6 vs others

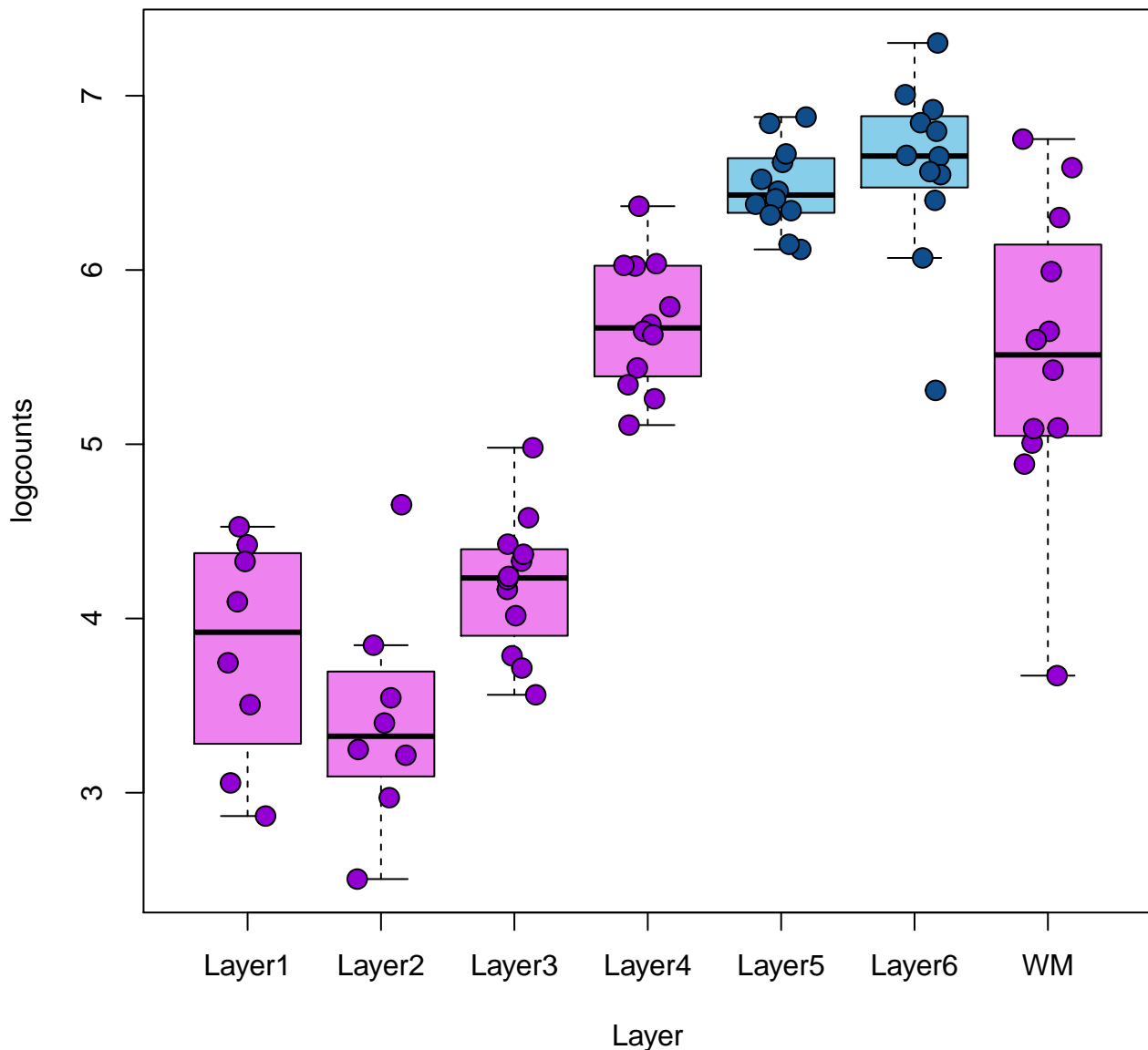
tstat 8.76e+00 p 3.63e-13 rank 9



# RXFP1 ENSG00000171509 mouse marker (KM)

Layer5+Layer6 vs others

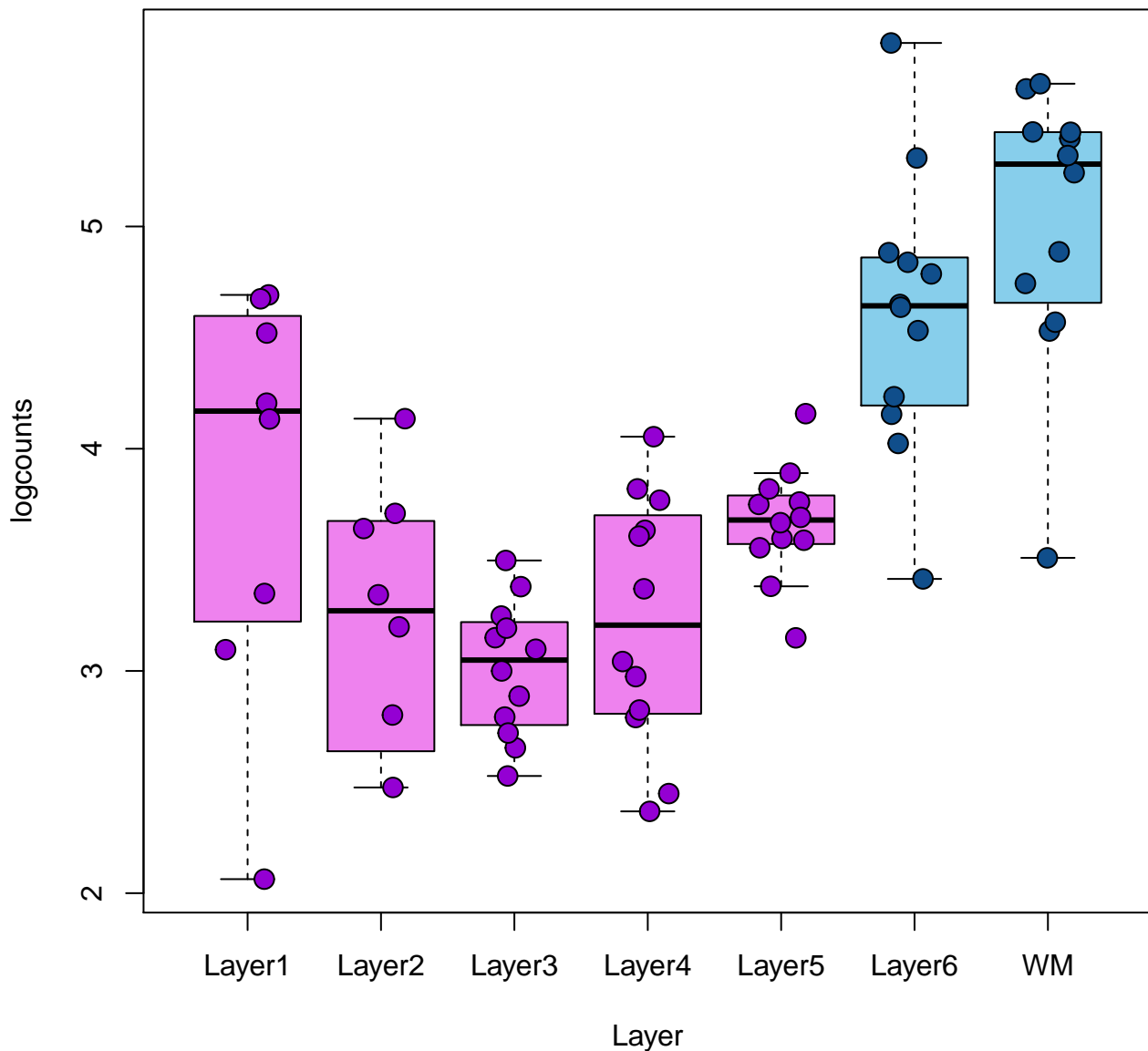
tstat 8.66e+00 p 5.53e-13 rank 23



# CDH24 ENSG00000139880 mouse marker (KM)

Layer6+WM vs others

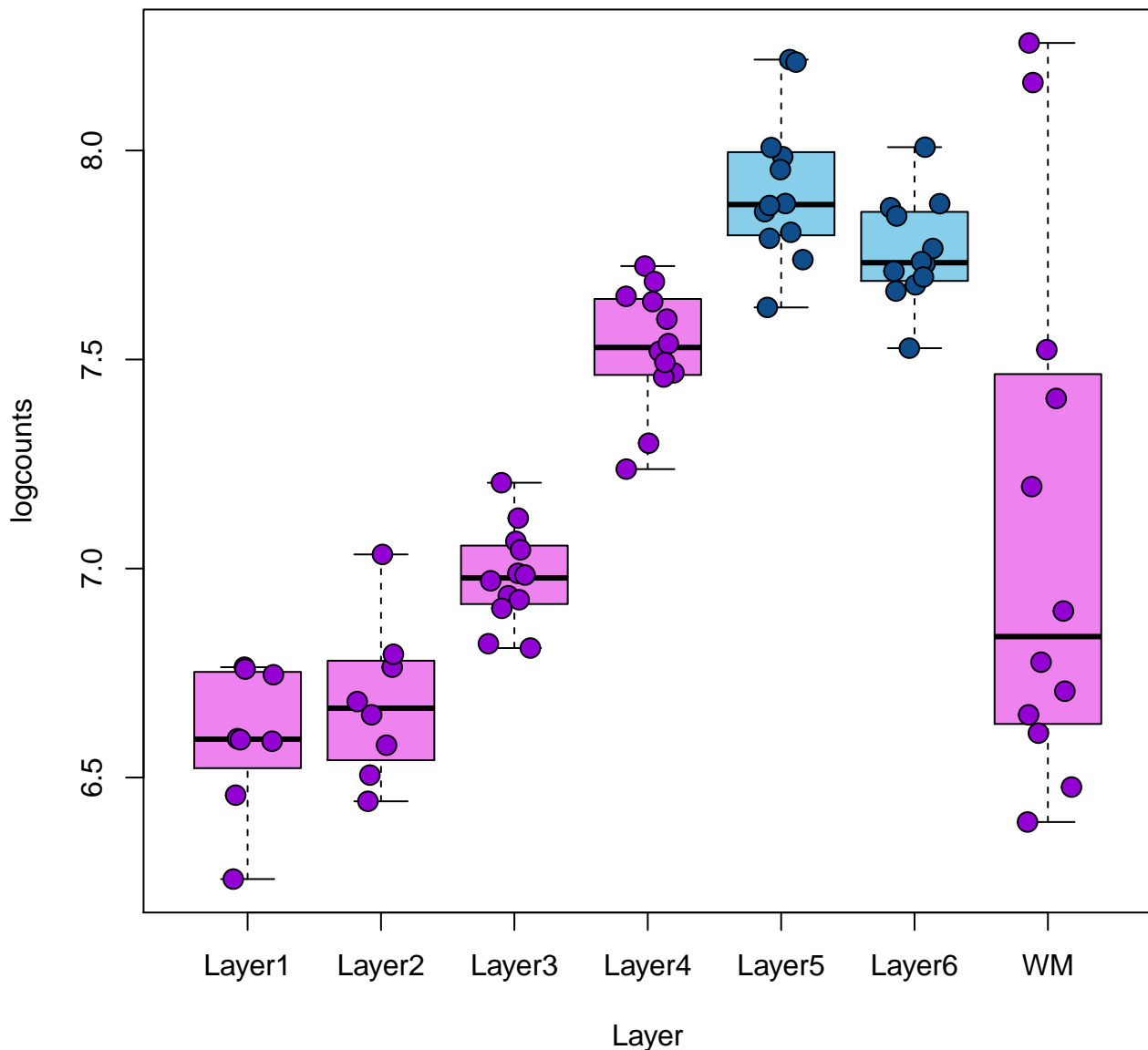
tstat 8.64e+00 p 5.98e-13 rank 210



# GABRA5 ENSG00000186297 mouse marker (KM)

Layer5+Layer6 vs others

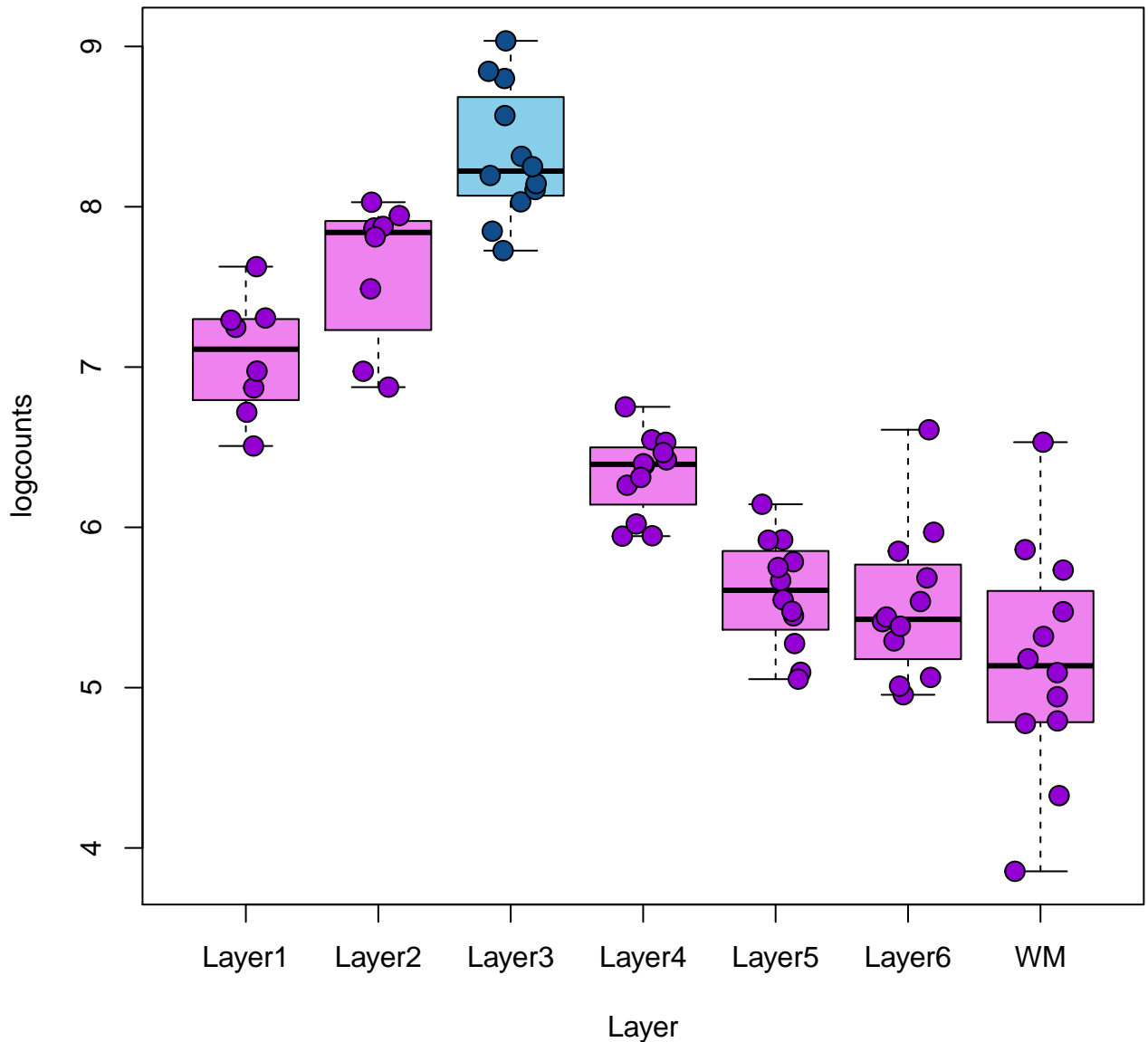
tstat 8.49e+00 p 1.17e-12 rank 26



# CARTPT ENSG00000164326 mouse marker (BM)

Layer3 vs others

tstat 8.36e+00 p 2.07e-12 rank 1

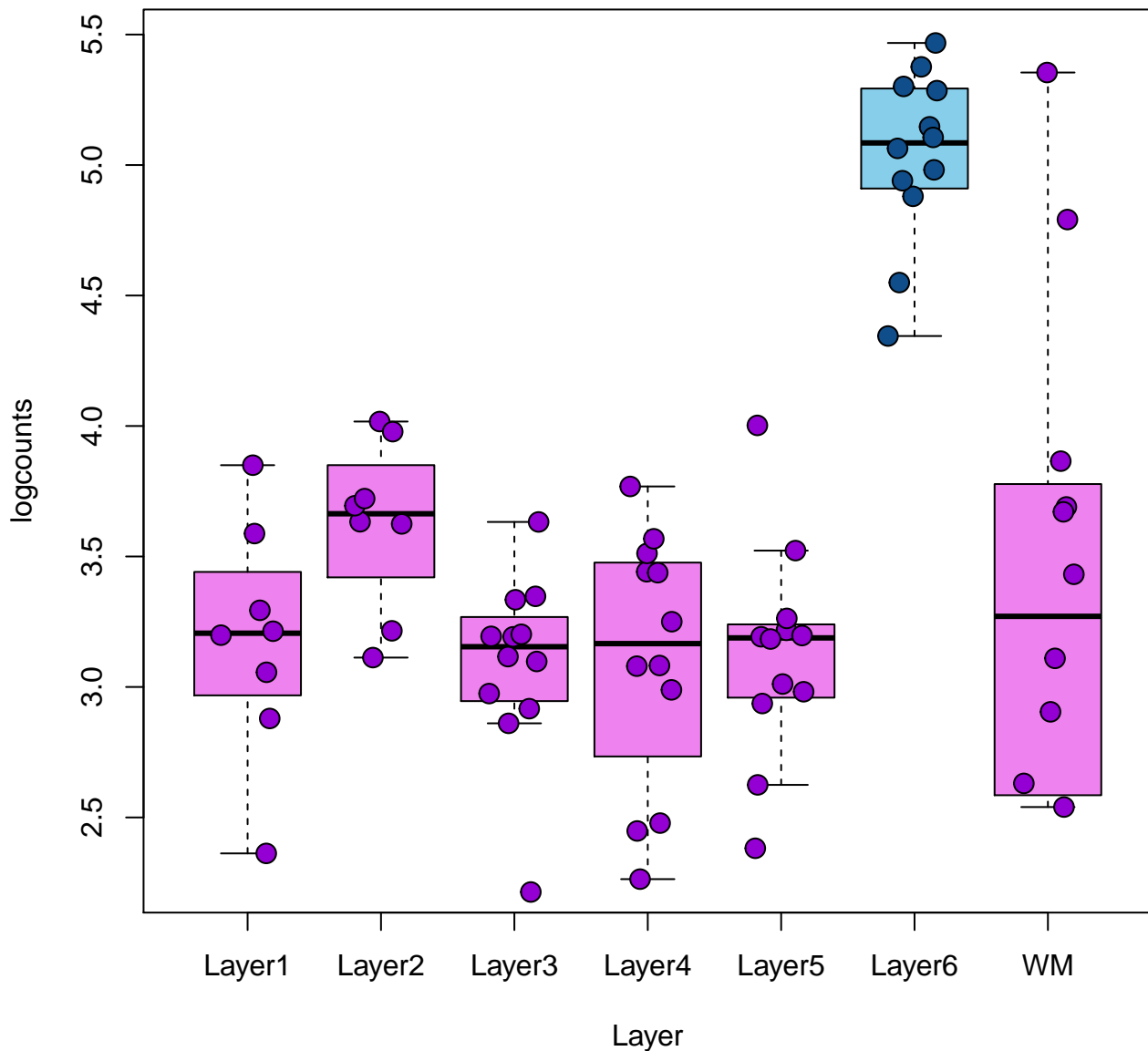




# OPRK1 ENSG00000082556 human marker (KM)

Layer6 vs others

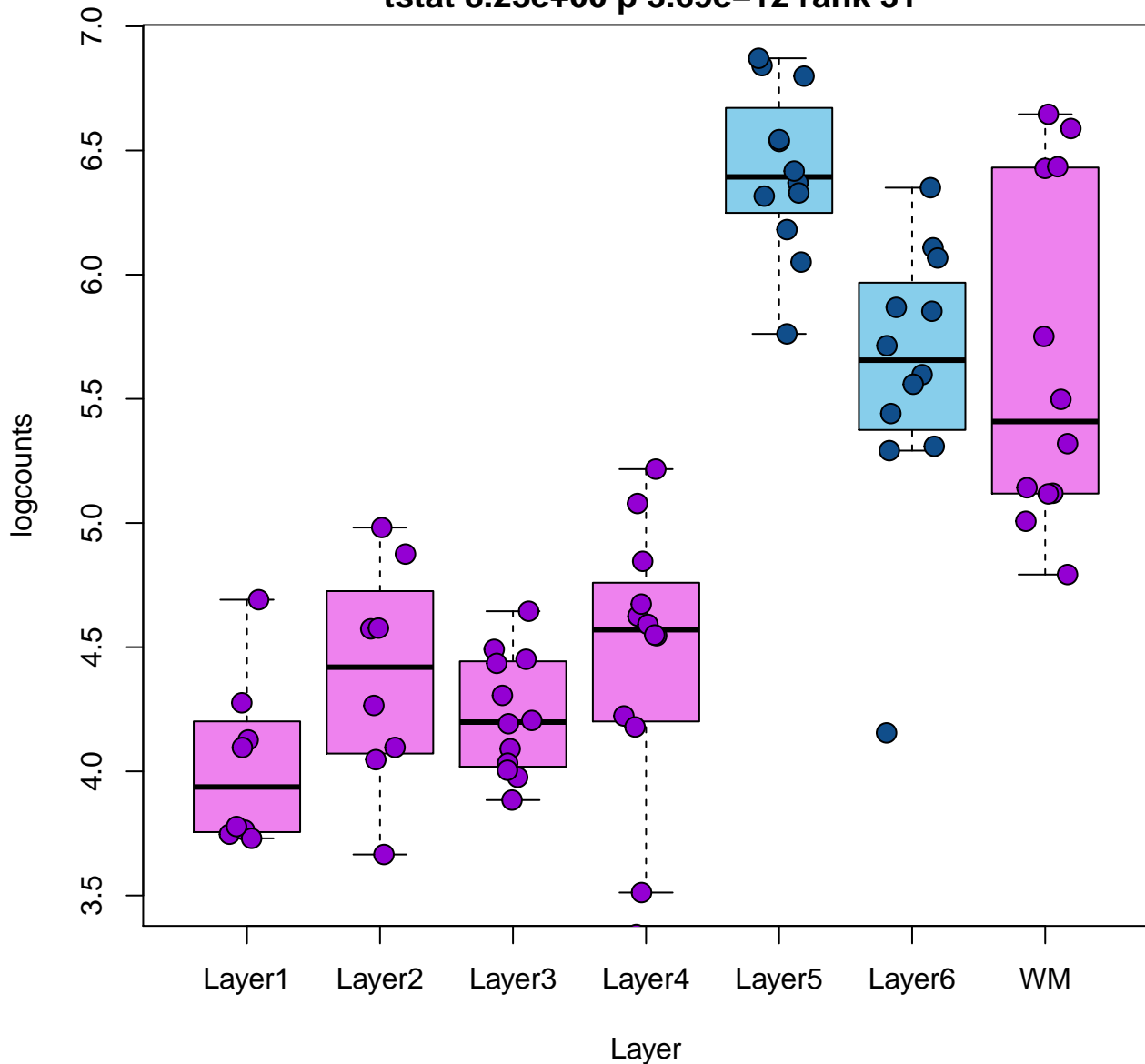
tstat 8.28e+00 p 2.97e-12 rank 7



# RPRM ENSG00000177519 mouse marker (KM)

Layer5+Layer6 vs others

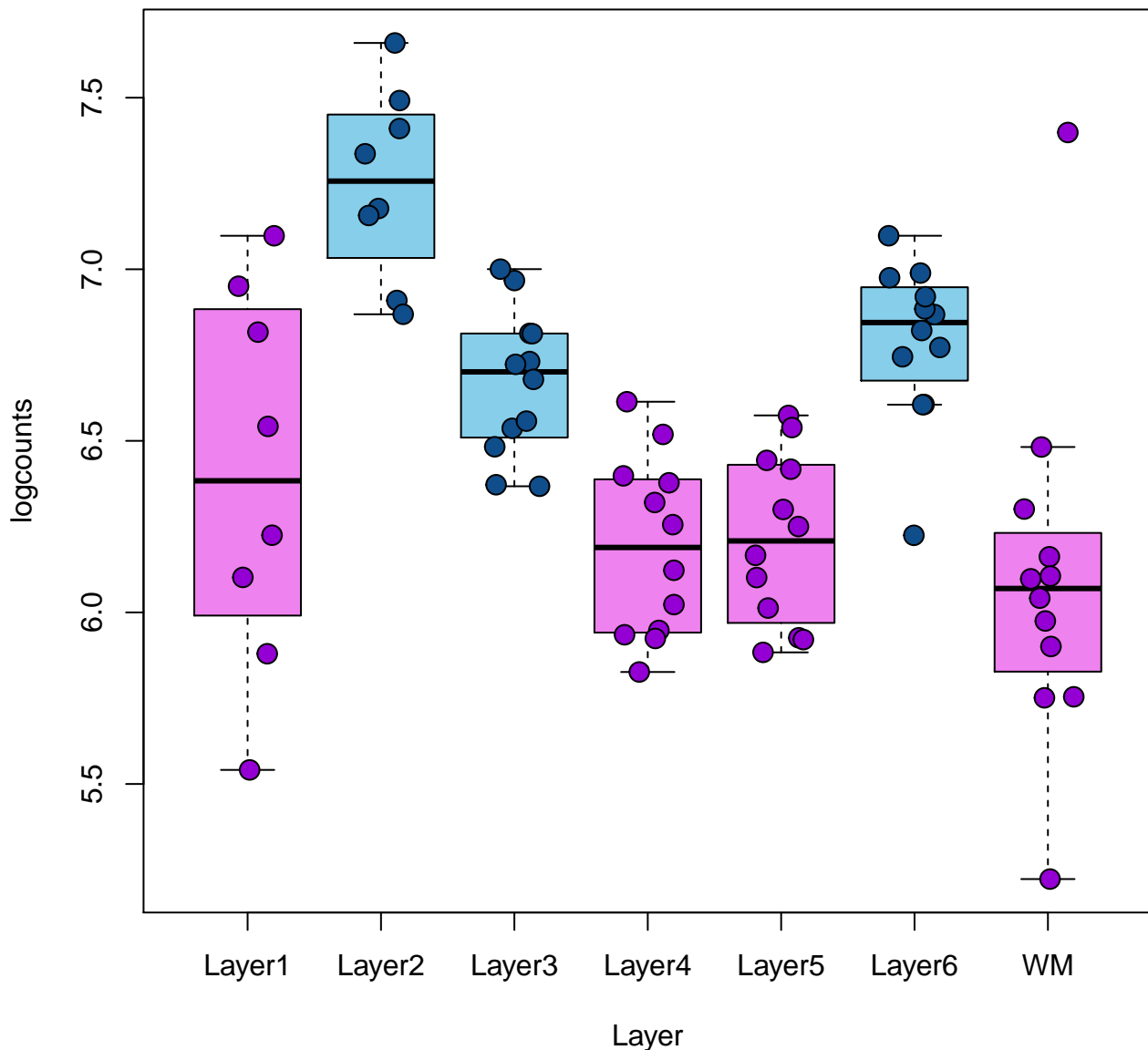
tstat 8.23e+00 p 3.69e-12 rank 31



# CACNA1E ENSG00000198216 human marker (KM)

Layer2+Layer3+Layer6 vs others

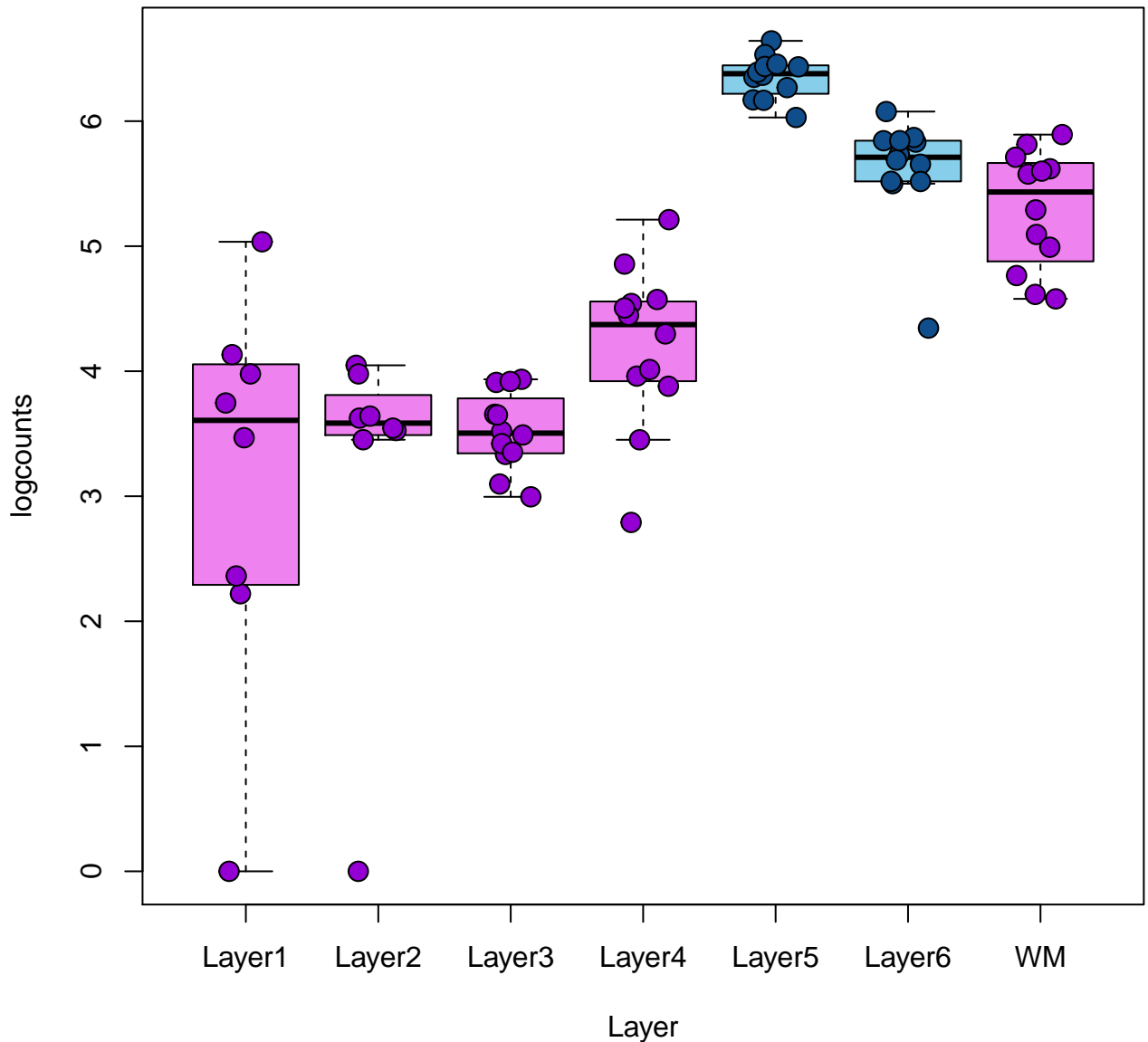
tstat 8.16e+00 p 5.21e-12 rank 15



# FEZF2 ENSG00000153266 mouse marker (BM)

Layer5+Layer6 vs others

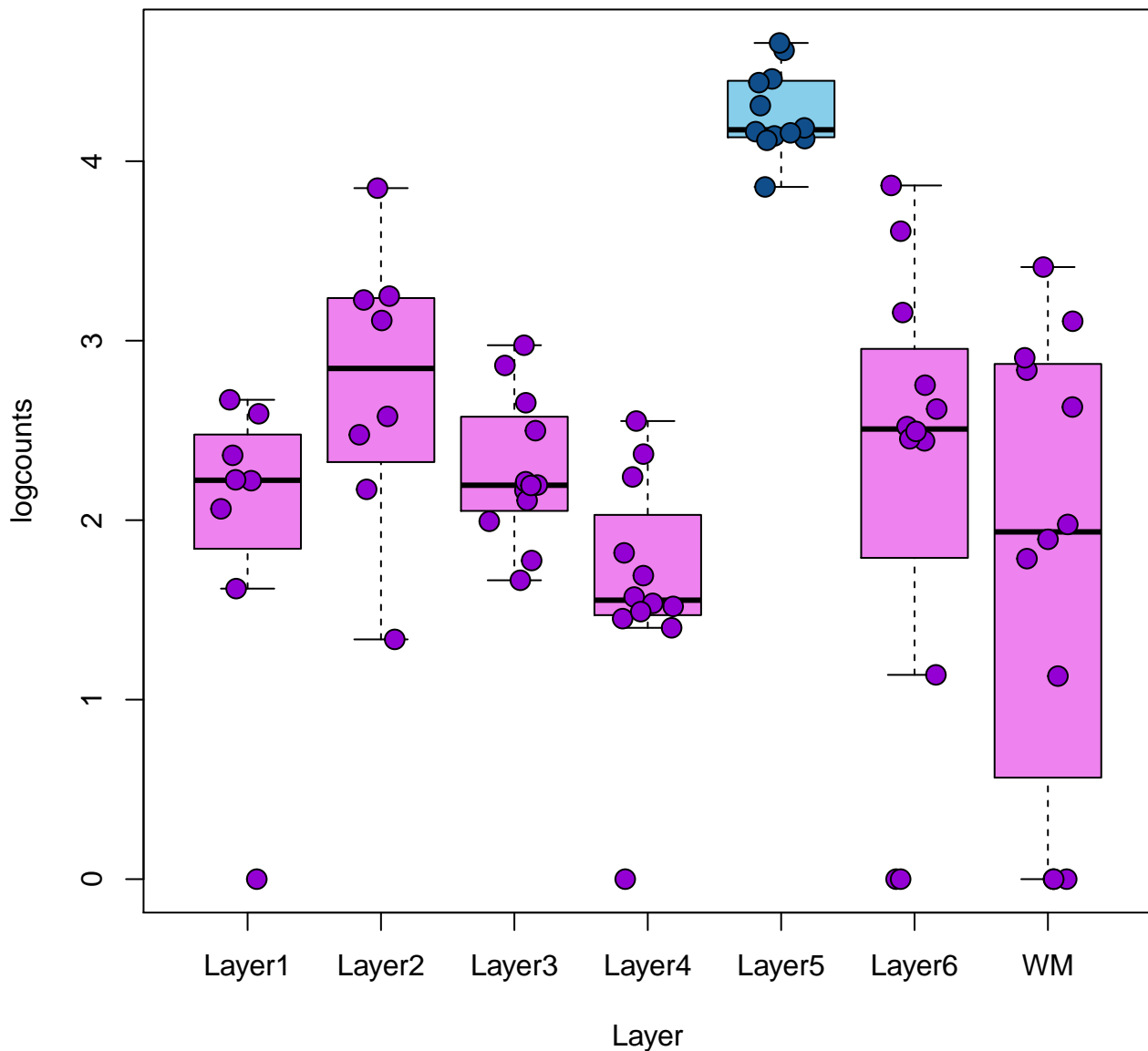
tstat 8.14e+00 p 5.50e-12 rank 35



# HTR2C ENSG00000147246 human marker (KM)

Layer5 vs others

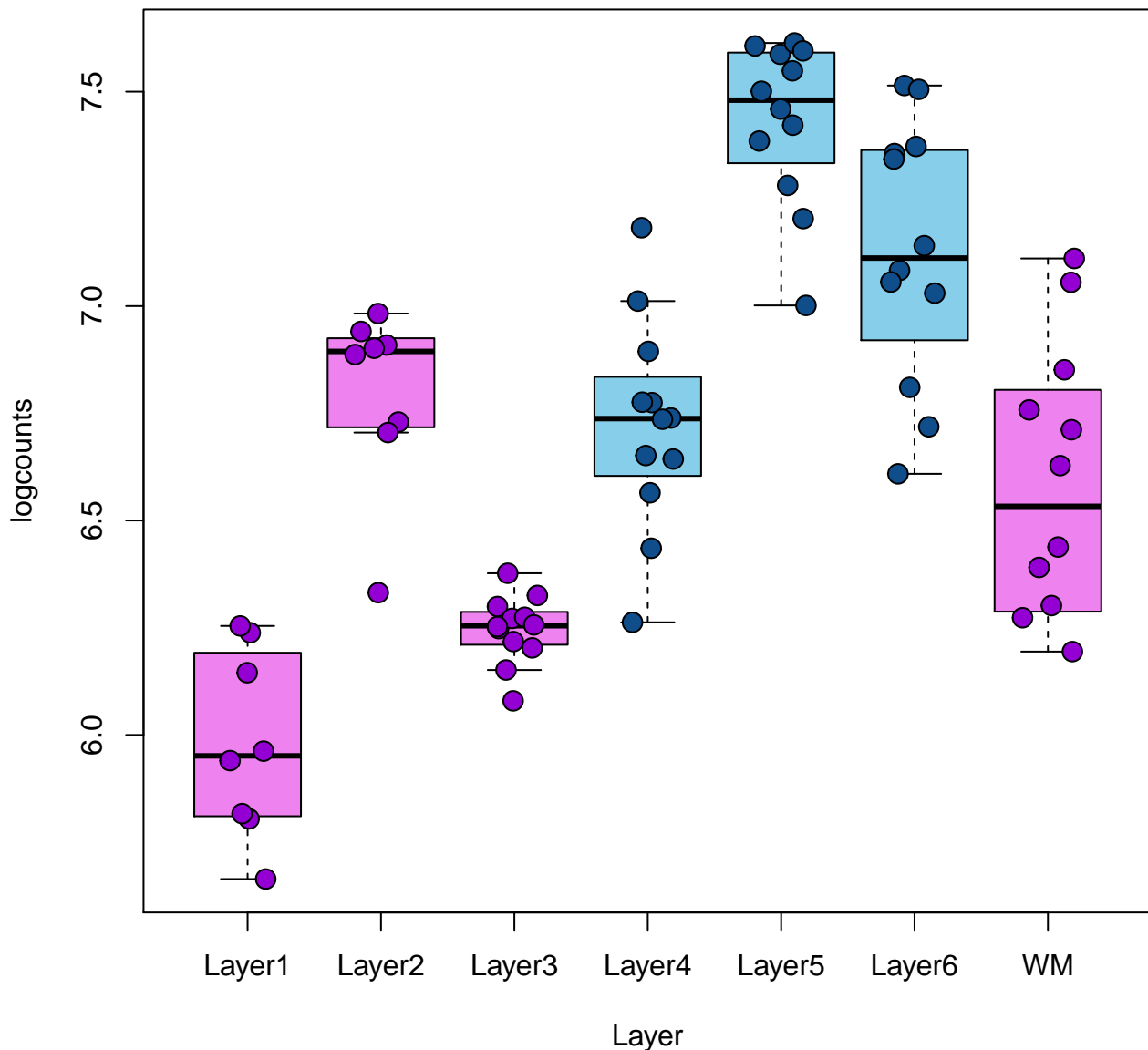
tstat 8.01e+00 p 1.01e-11 rank 6



# PDE1A ENSG00000115252 mouse marker (KM)

Layer4+Layer5+Layer6 vs others

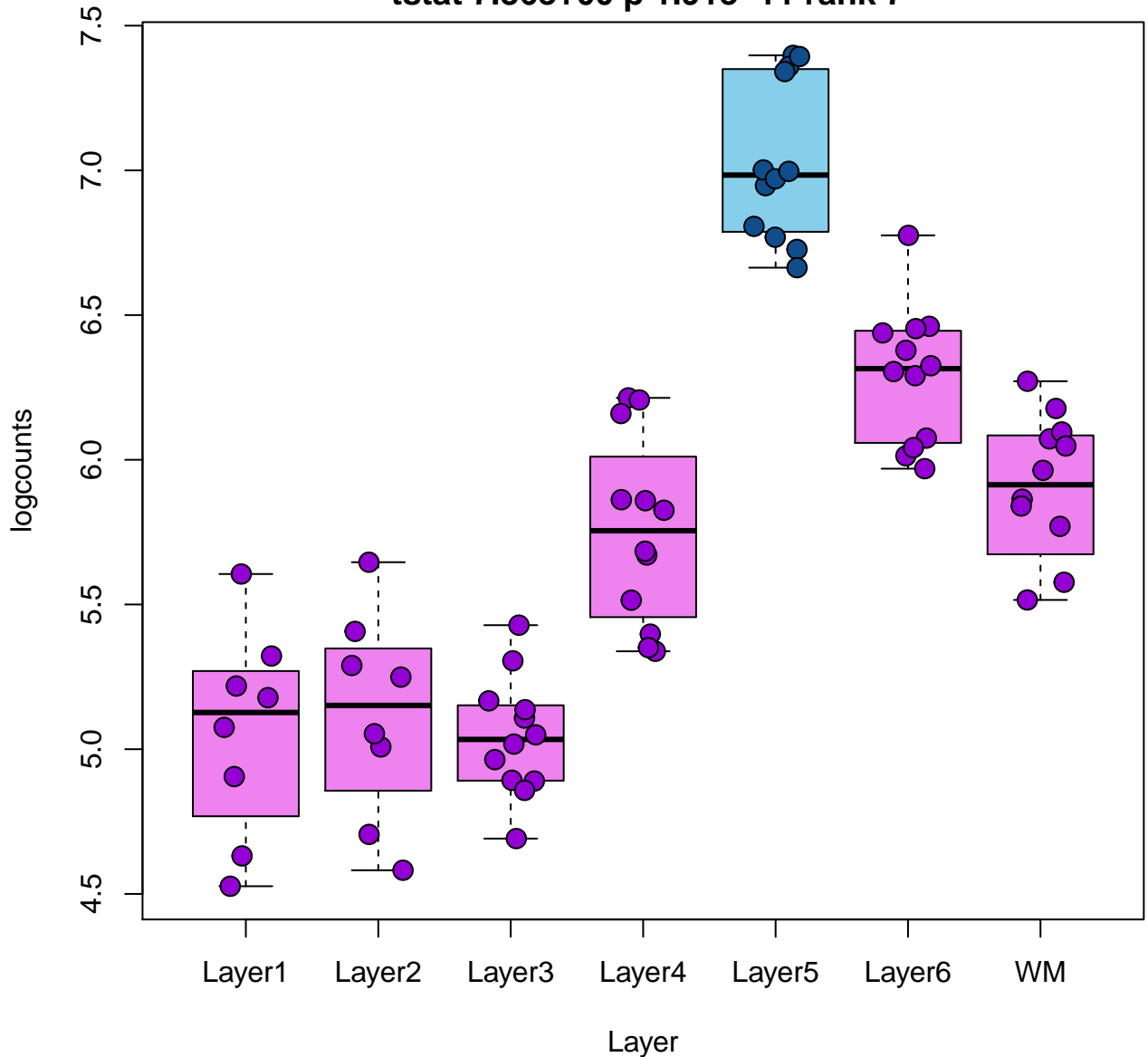
tstat 7.93e+00 p 1.40e-11 rank 98



# VAT1L ENSG00000171724 mouse marker (KM)

Layer5 vs others

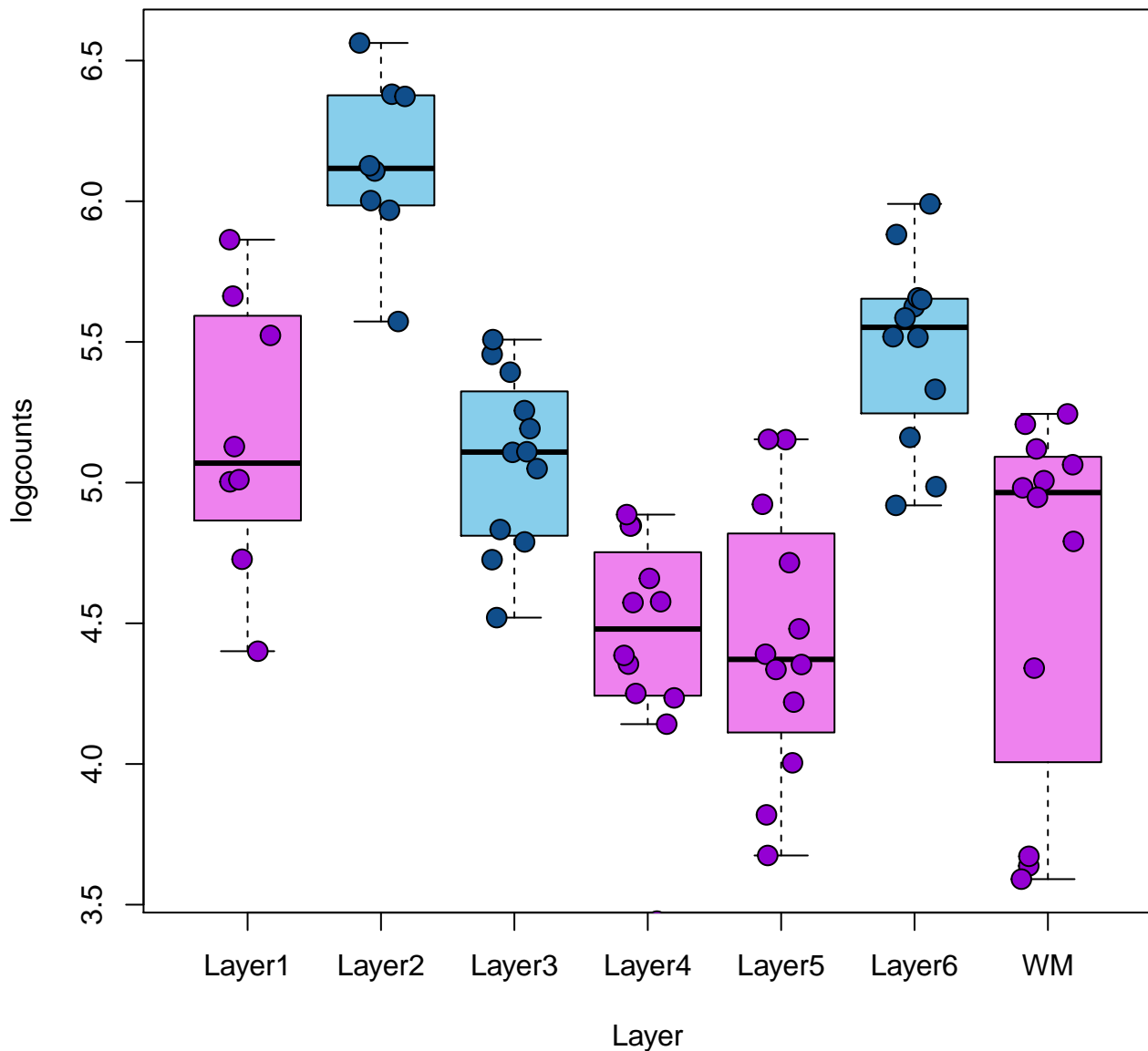
tstat 7.86e+00 p 1.91e-11 rank 7



# GSG1L ENSG00000169181 mouse marker (KM)

Layer2+Layer3+Layer6 vs others

tstat 7.45e+00 p 1.16e-10 rank 27

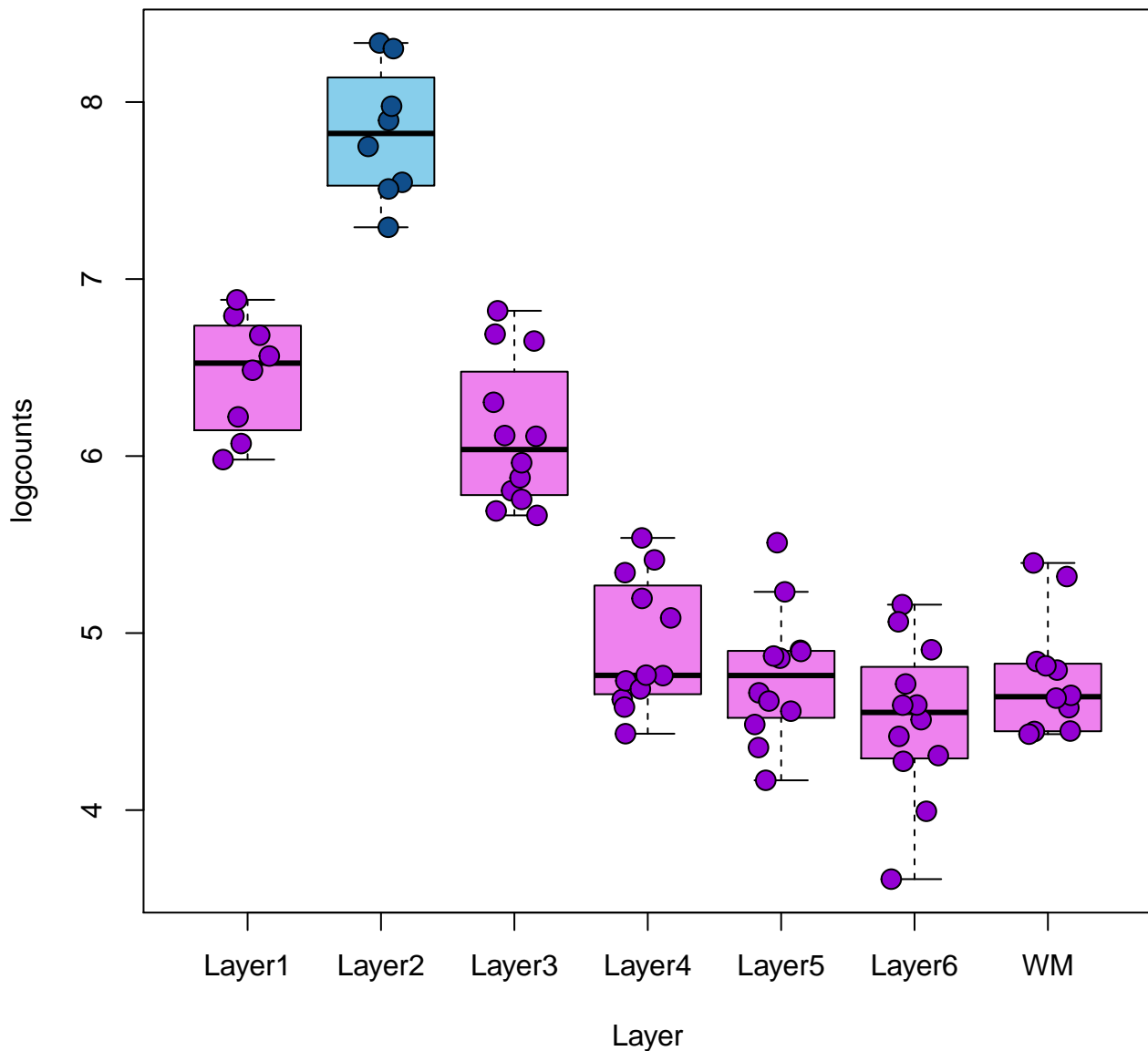




# C1QL2 ENSG00000144119 human marker (KM)

Layer2 vs others

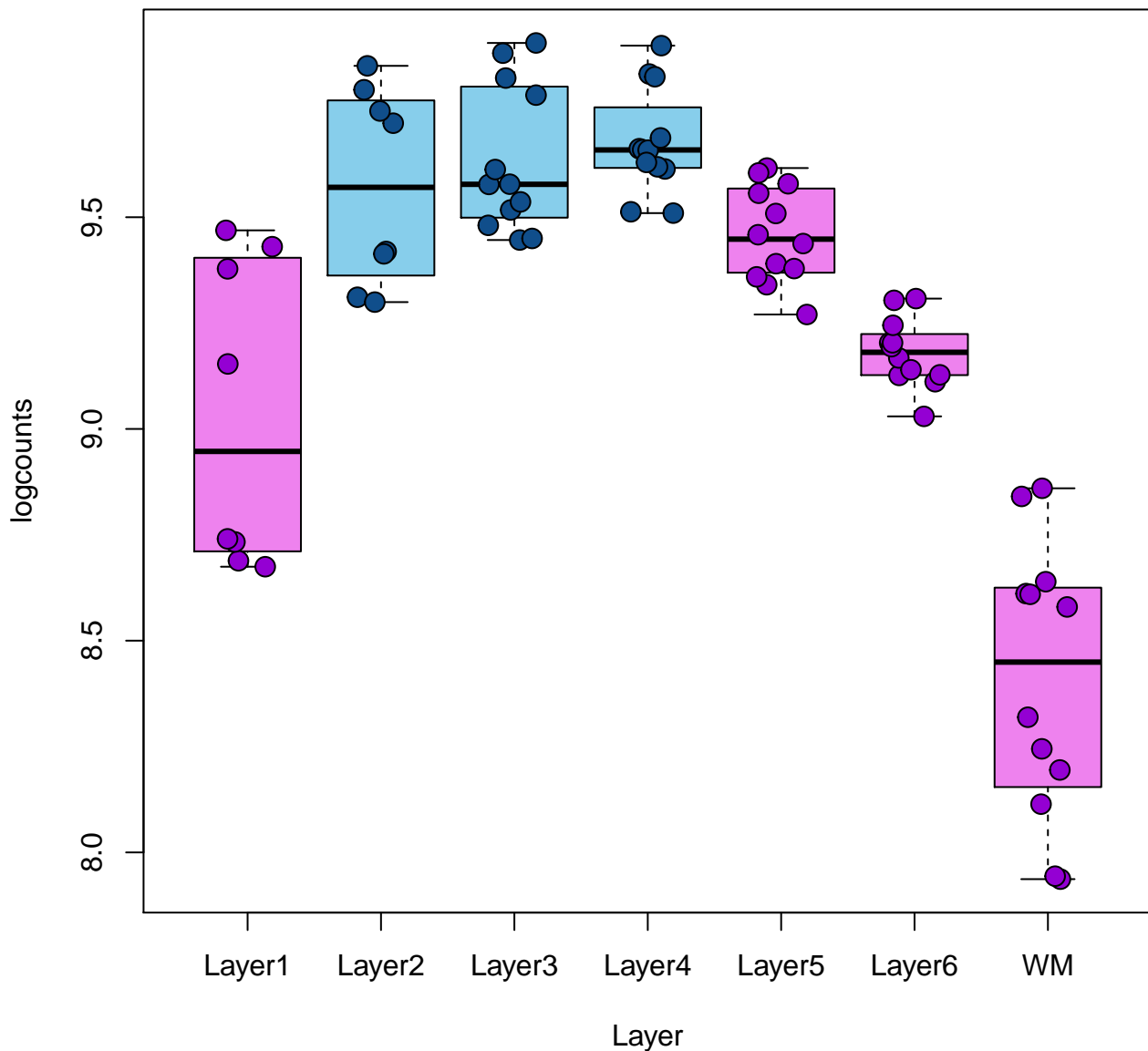
tstat 7.41e+00 p 1.38e-10 rank 14



# MEF2C ENSG00000081189 mouse marker (BM)

Layer2+Layer3+Layer4 vs others

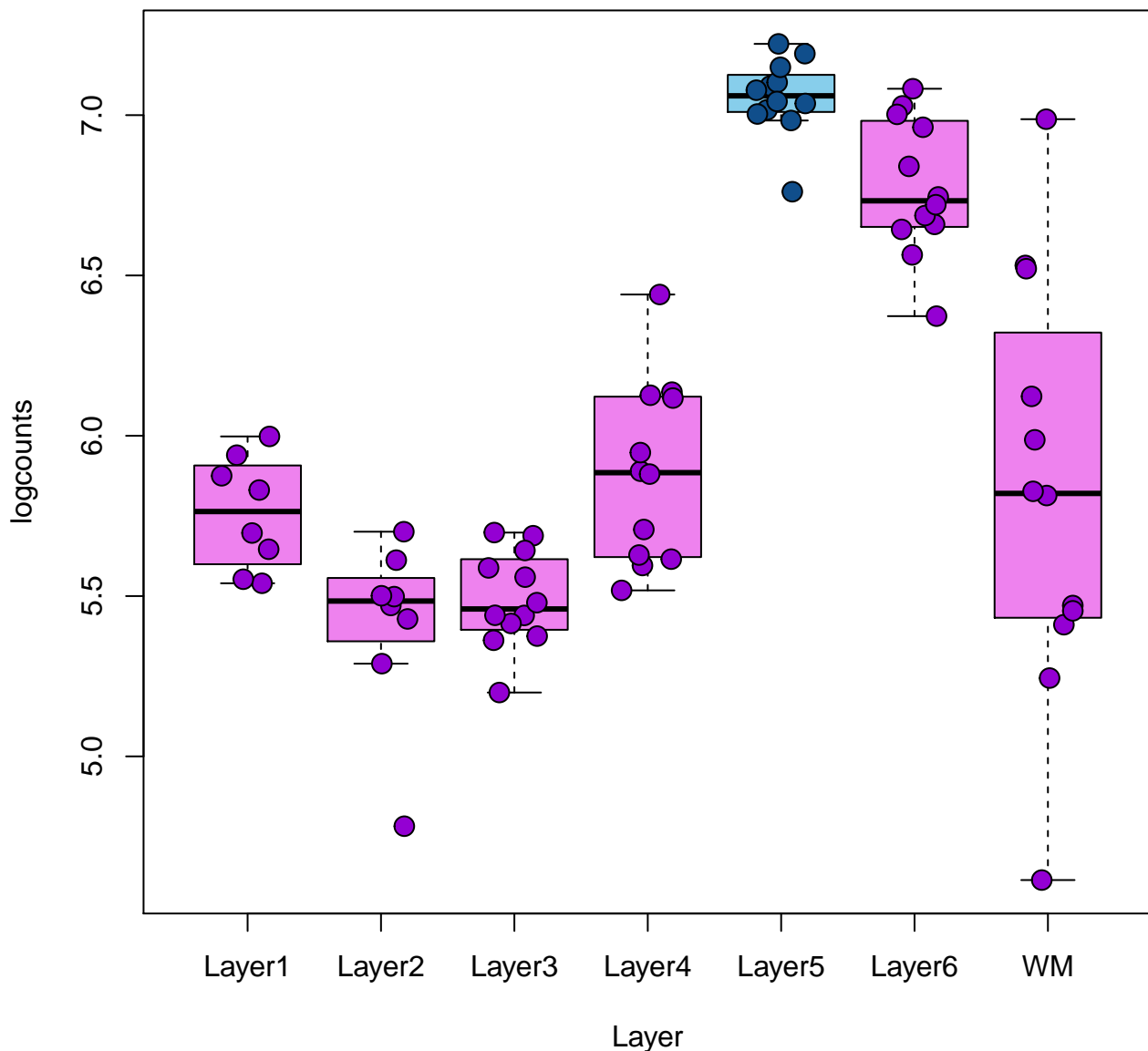
tstat 7.29e+00 p 2.41e-10 rank 90



# ETV1 ENSG00000006468 mouse marker (BM)

Layer5 vs others

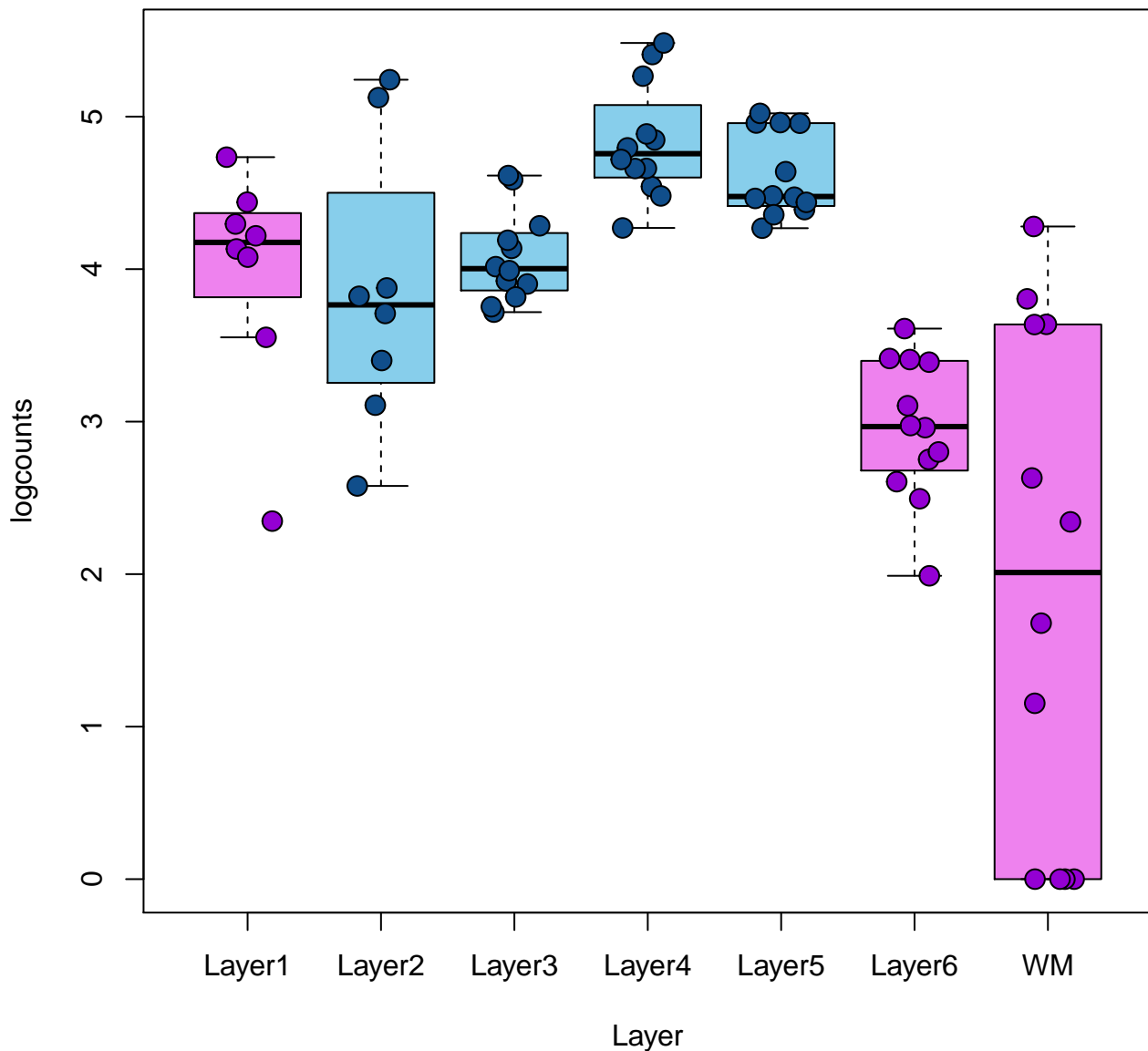
tstat 7.09e+00 p 5.79e-10 rank 12



# BHLHE22 ENSG00000180828 mouse marker (BM)

Layer2+Layer3+Layer4+Layer5 vs others

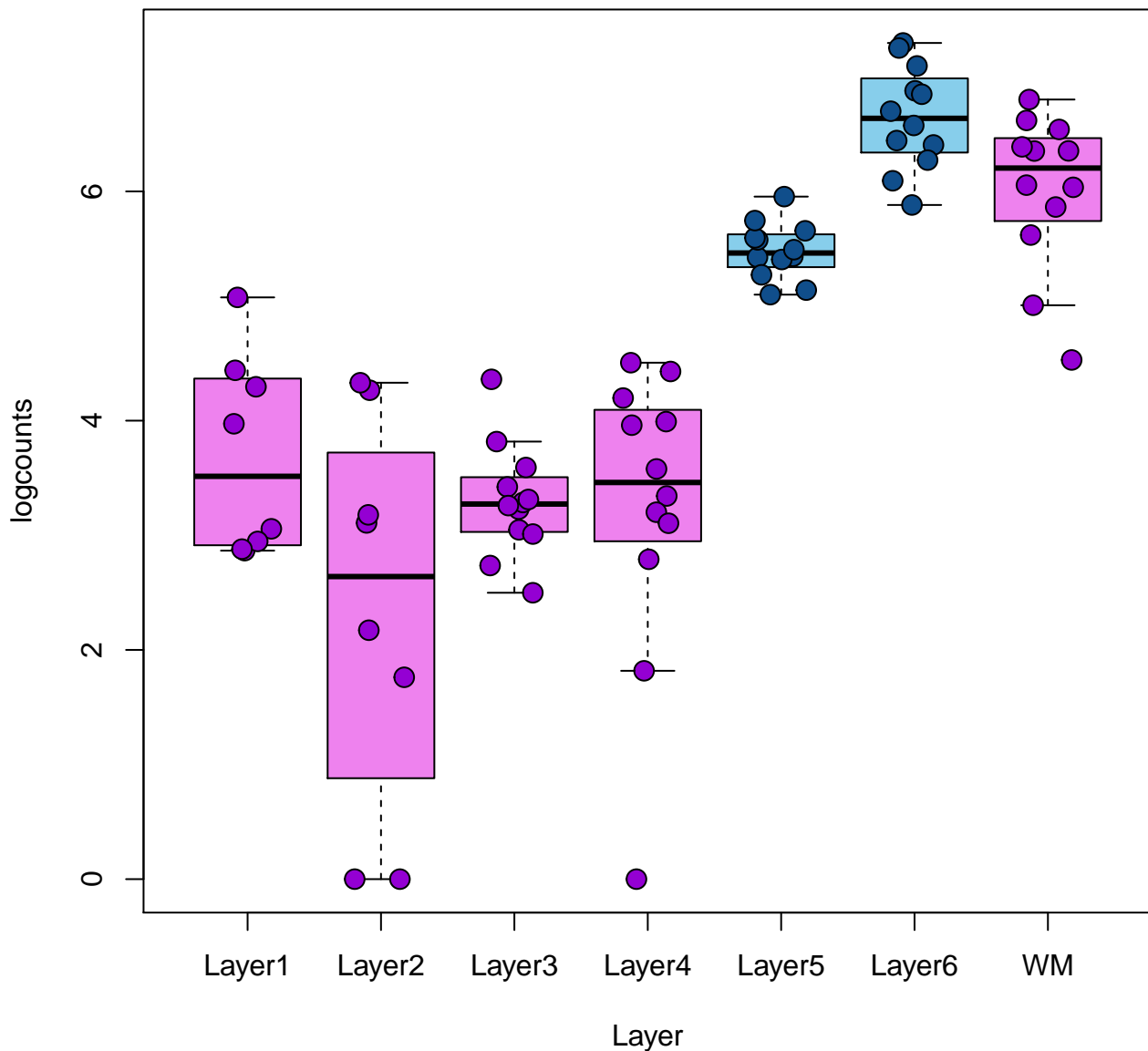
tstat 6.93e+00 p 1.15e-09 rank 601



# SEMA3E ENSG00000170381 mouse marker (BM)

Layer5+Layer6 vs others

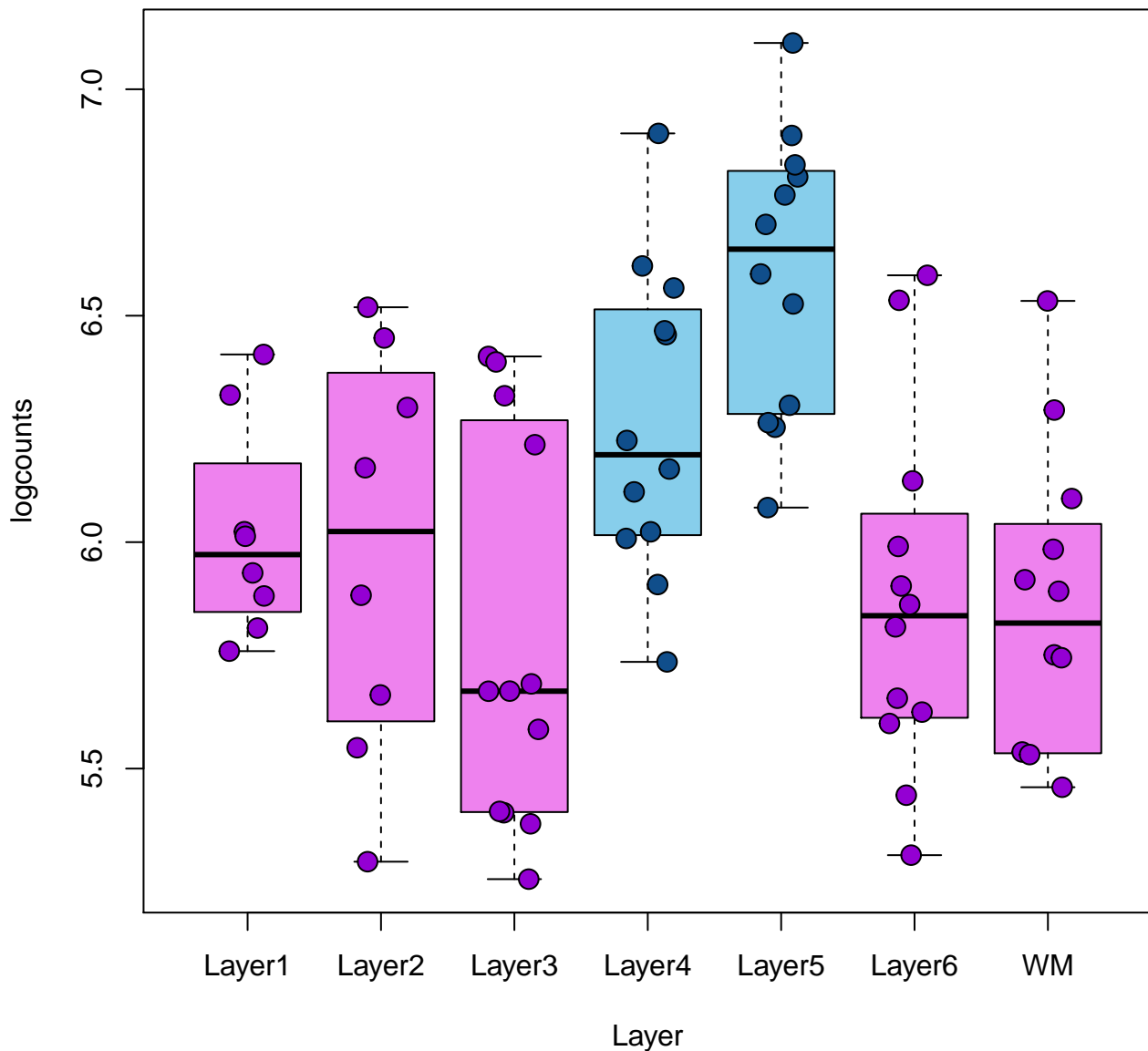
tstat 6.85e+00 p 1.62e-09 rank 77



**TRIB2 ENSG00000071575 mouse marker (KM)**

**Layer4+Layer5 vs others**

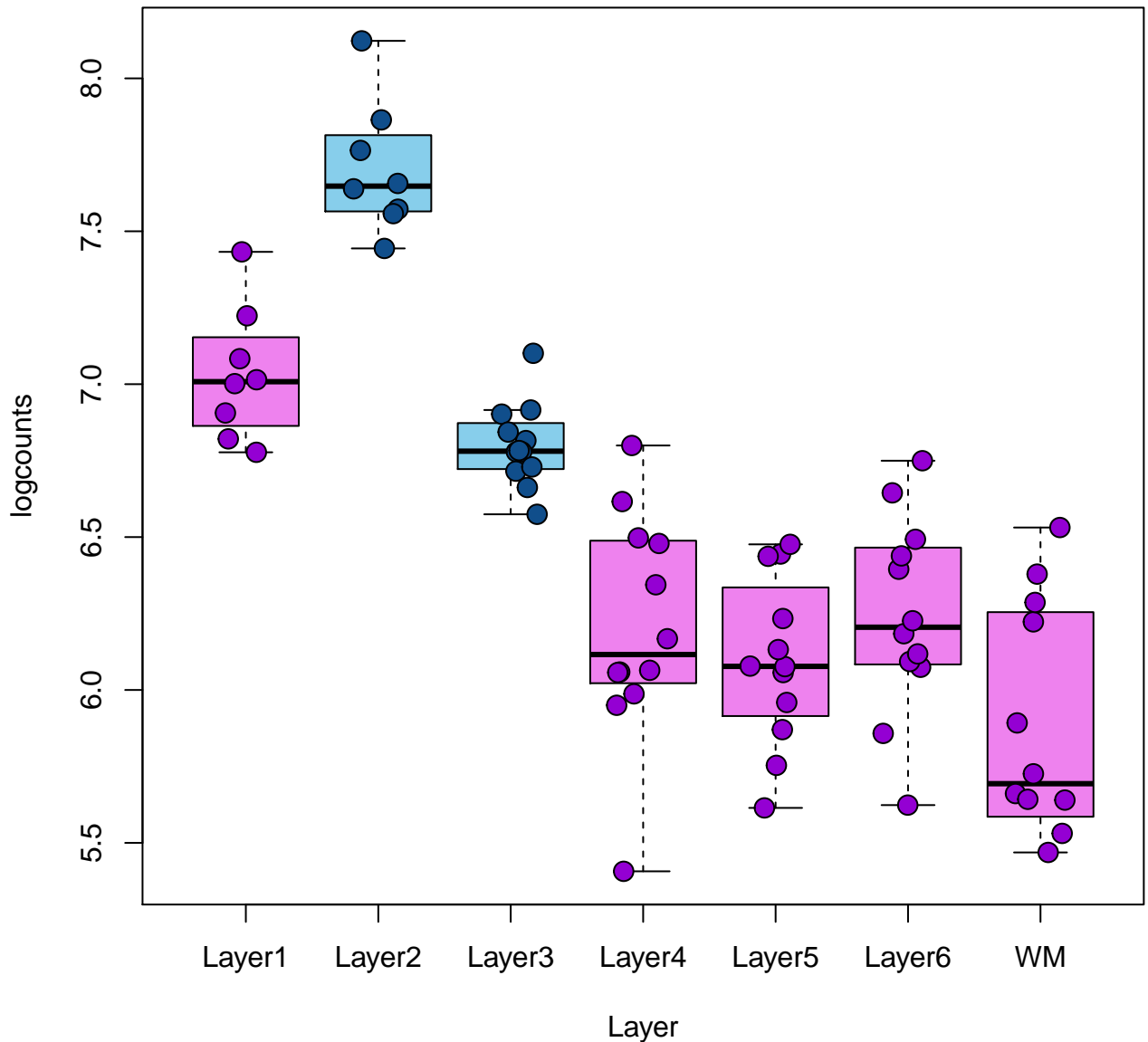
**tstat 6.80e+00 p 1.98e-09 rank 93**



# KCNIP2 ENSG00000120049 mouse marker (KM)

Layer2+Layer3 vs others

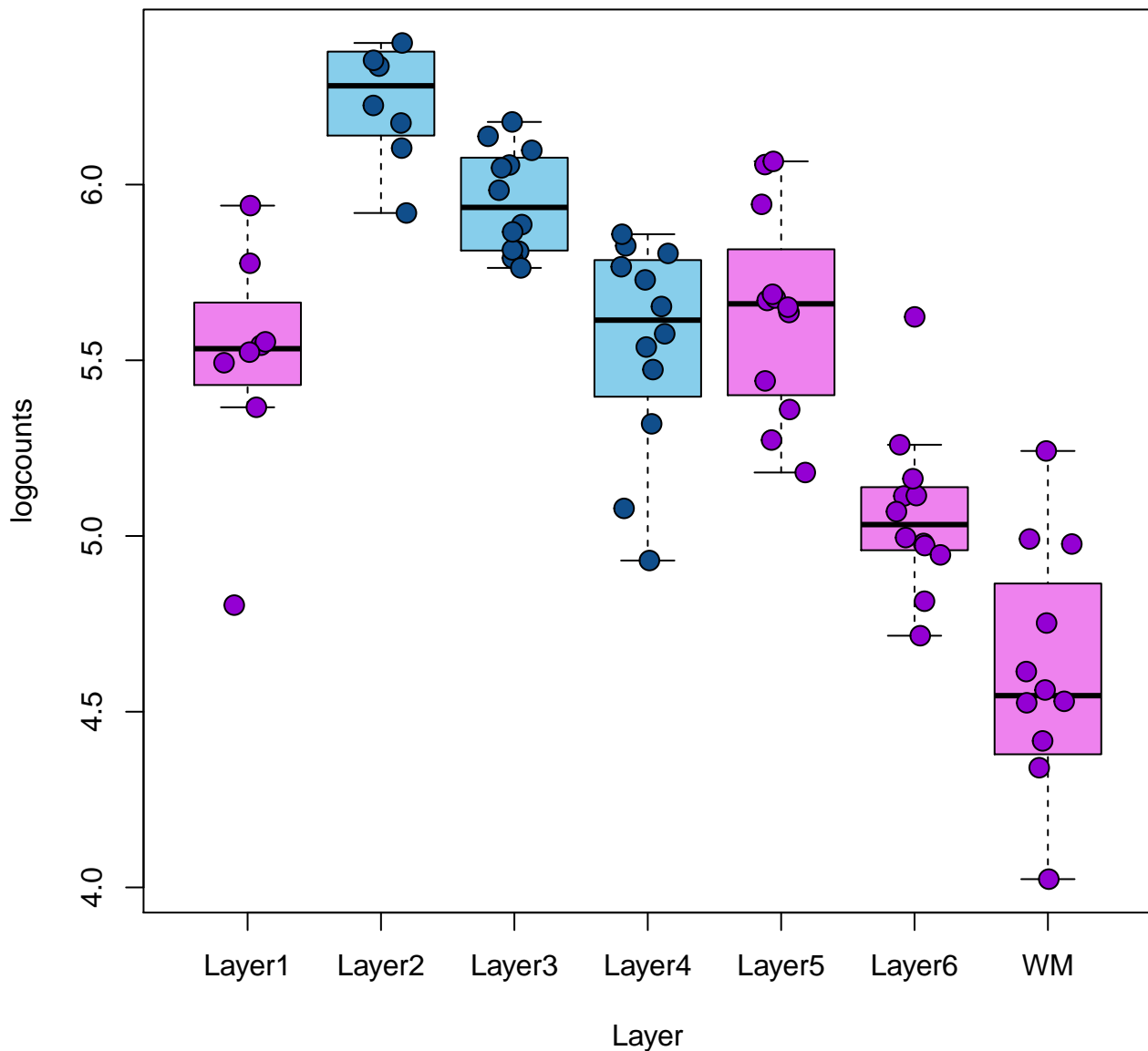
tstat 6.67e+00 p 3.46e-09 rank 135



# KITLG ENSG00000049130 mouse marker (BM)

Layer2+Layer3+Layer4 vs others

tstat 6.65e+00 p 3.89e-09 rank 180

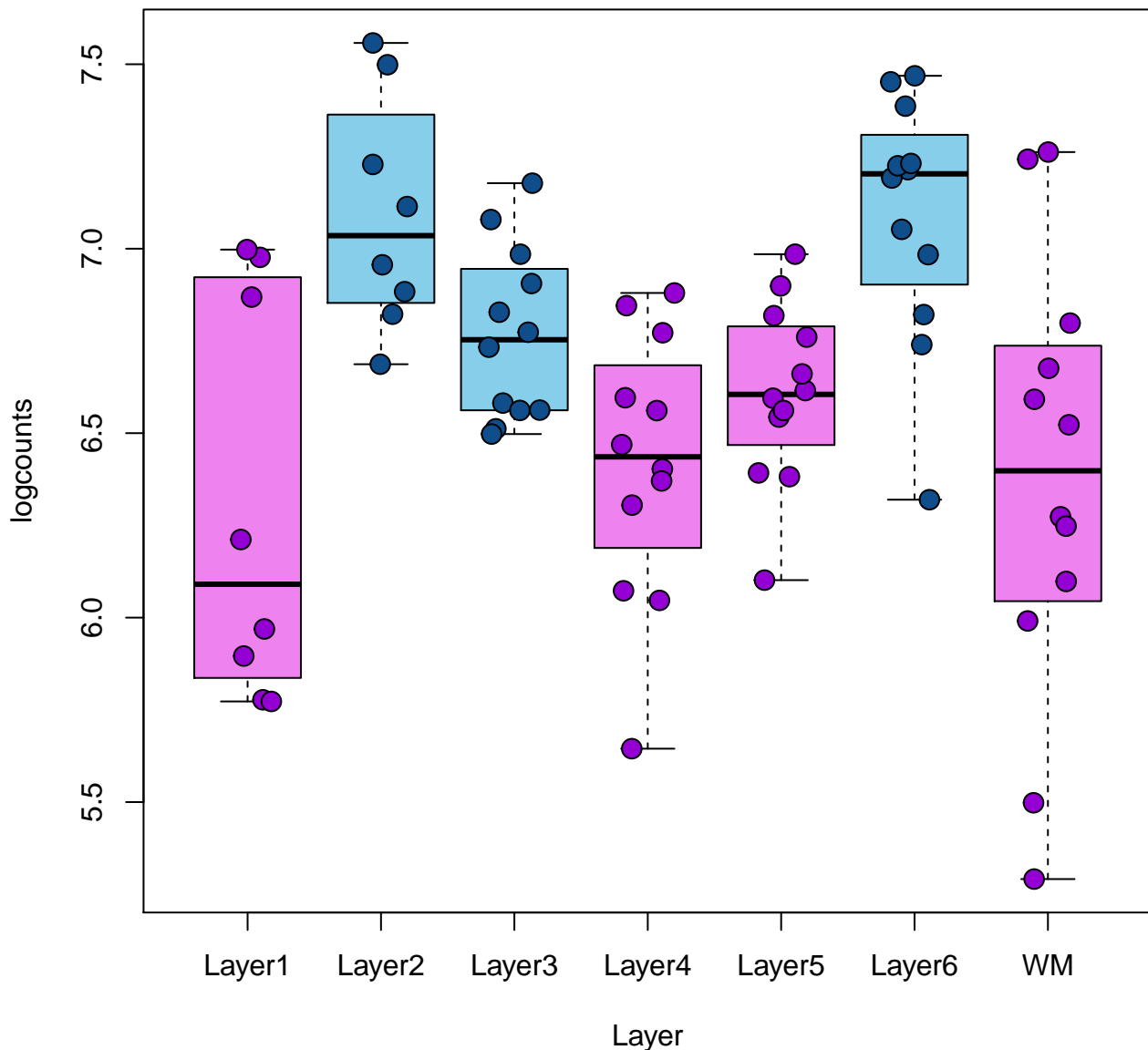




# SLITRK1 ENSG00000178235 mouse marker (BM)

Layer2+Layer3+Layer6 vs others

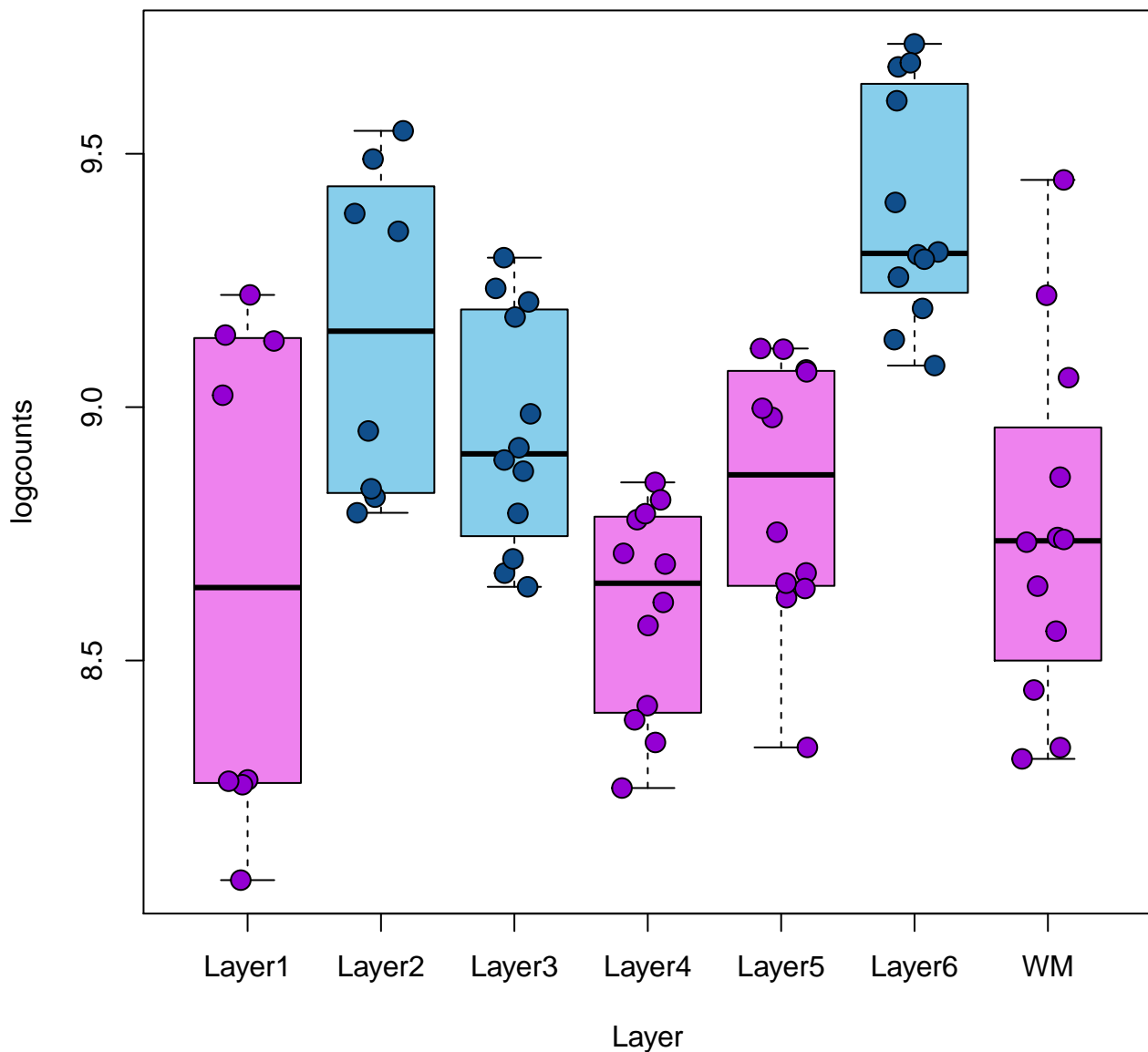
tstat 6.61e+00 p 4.54e-09 rank 63



# SCN3B ENSG00000166257 human marker (KM)

Layer2+Layer3+Layer6 vs others

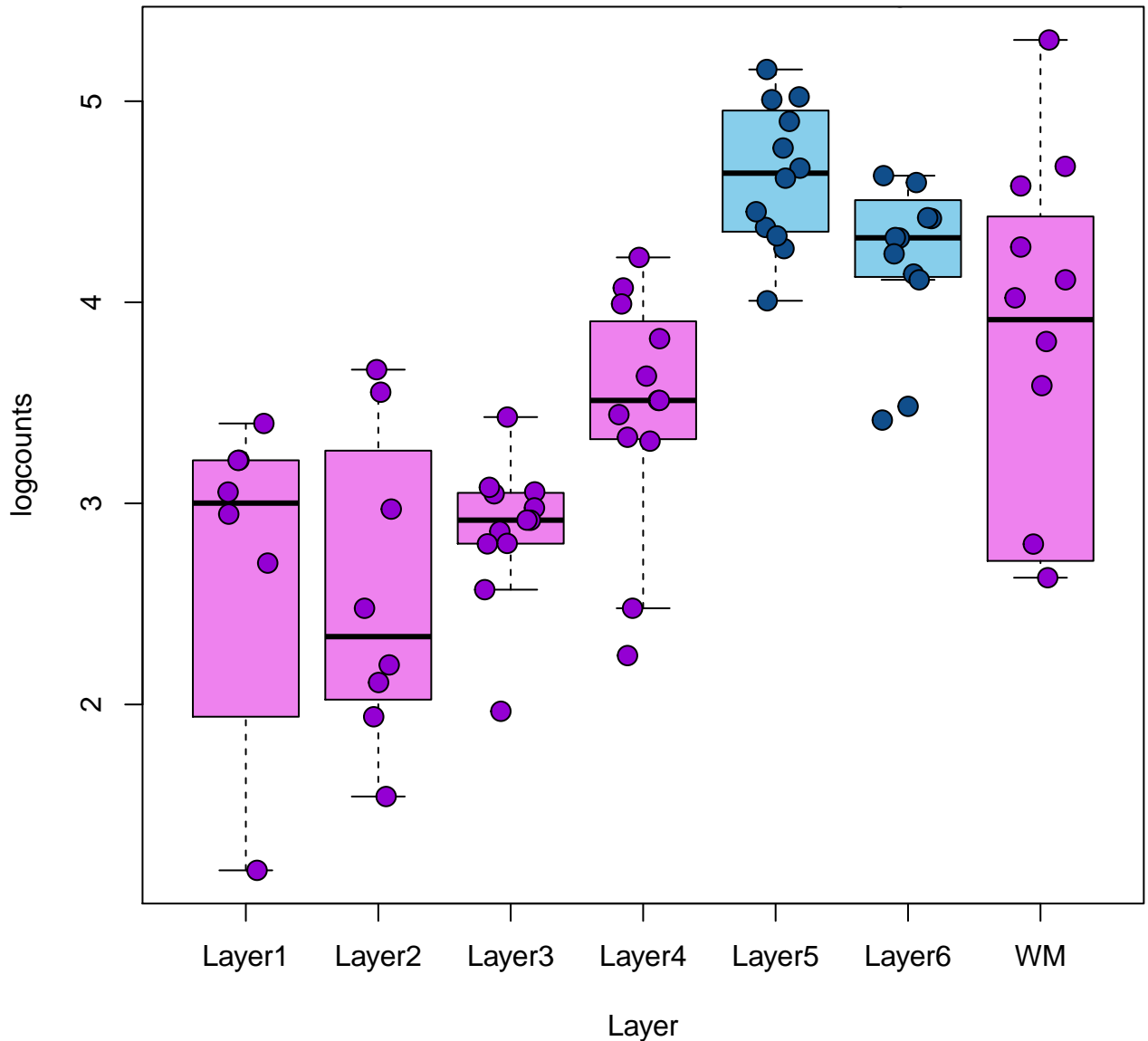
tstat 6.42e+00 p 1.04e-08 rank 79



# KCNK2 ENSG0000082482 mouse marker (KM)

Layer5+Layer6 vs others

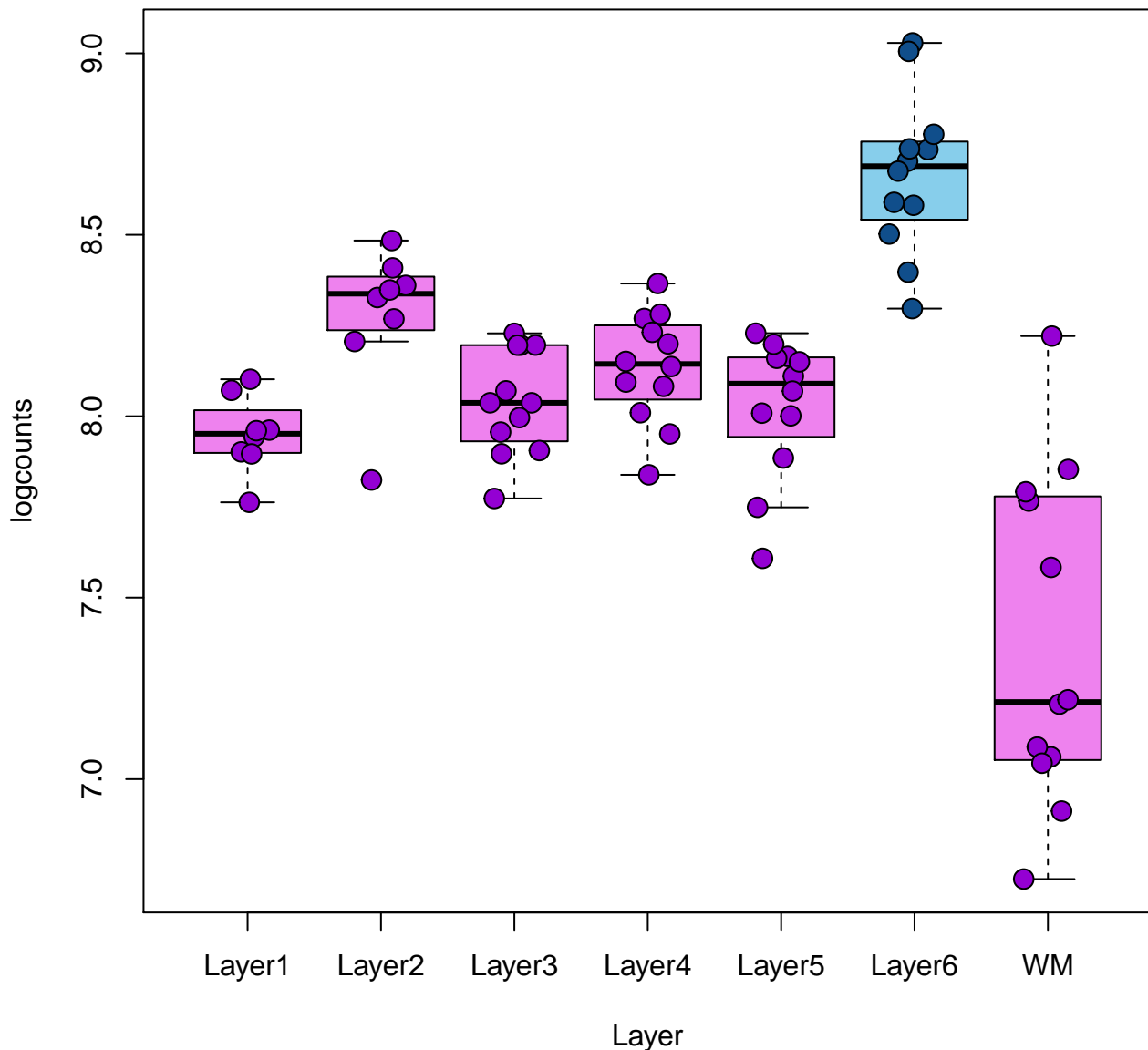
tstat 6.42e+00 p 1.05e-08 rank 107



# SYNPR ENSG00000163630 human marker (KM)

Layer6 vs others

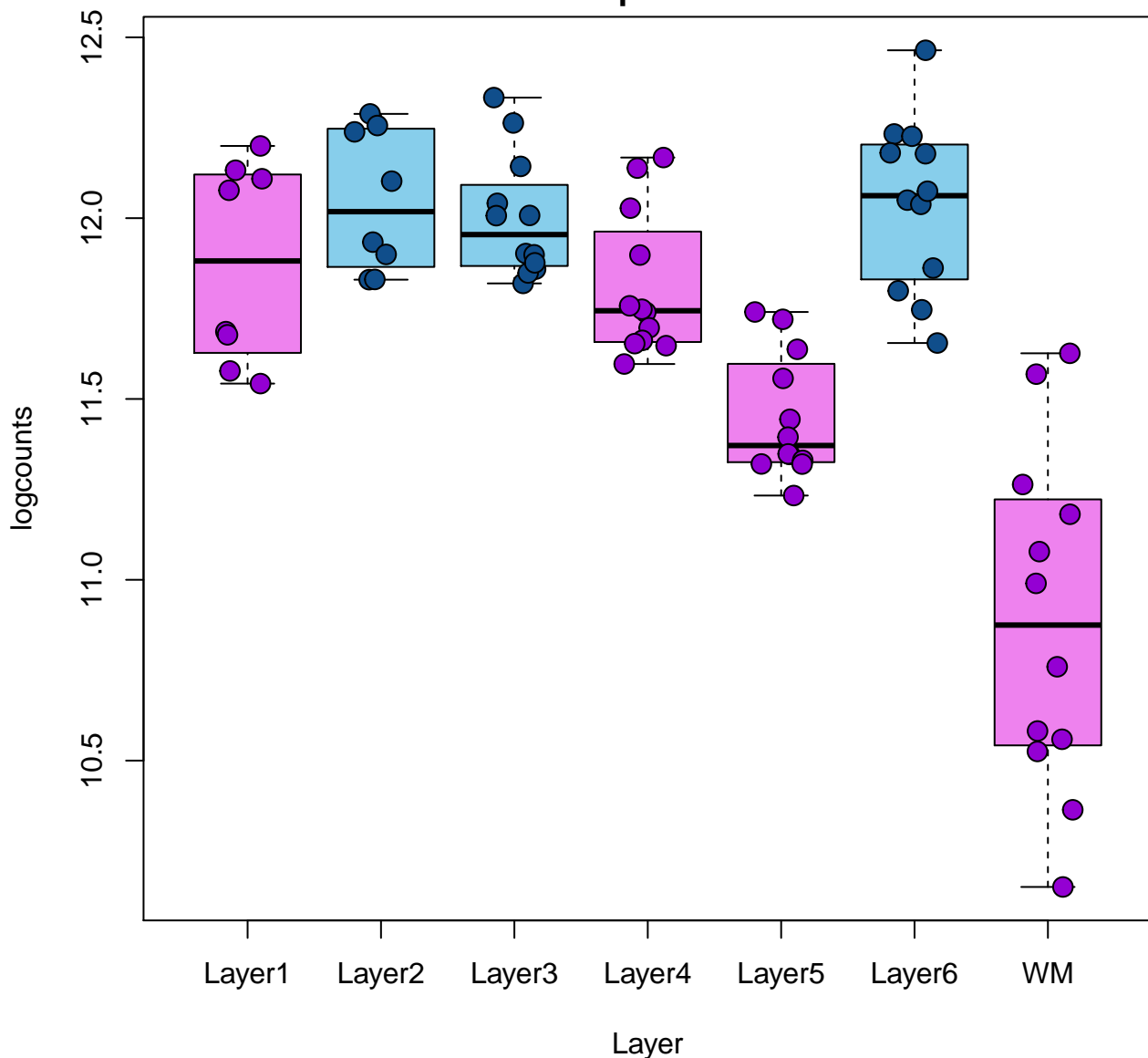
tstat 6.38e+00 p 1.23e-08 rank 29



# CCK ENSG00000187094 mouse marker (KM)

Layer2+Layer3+Layer6 vs others

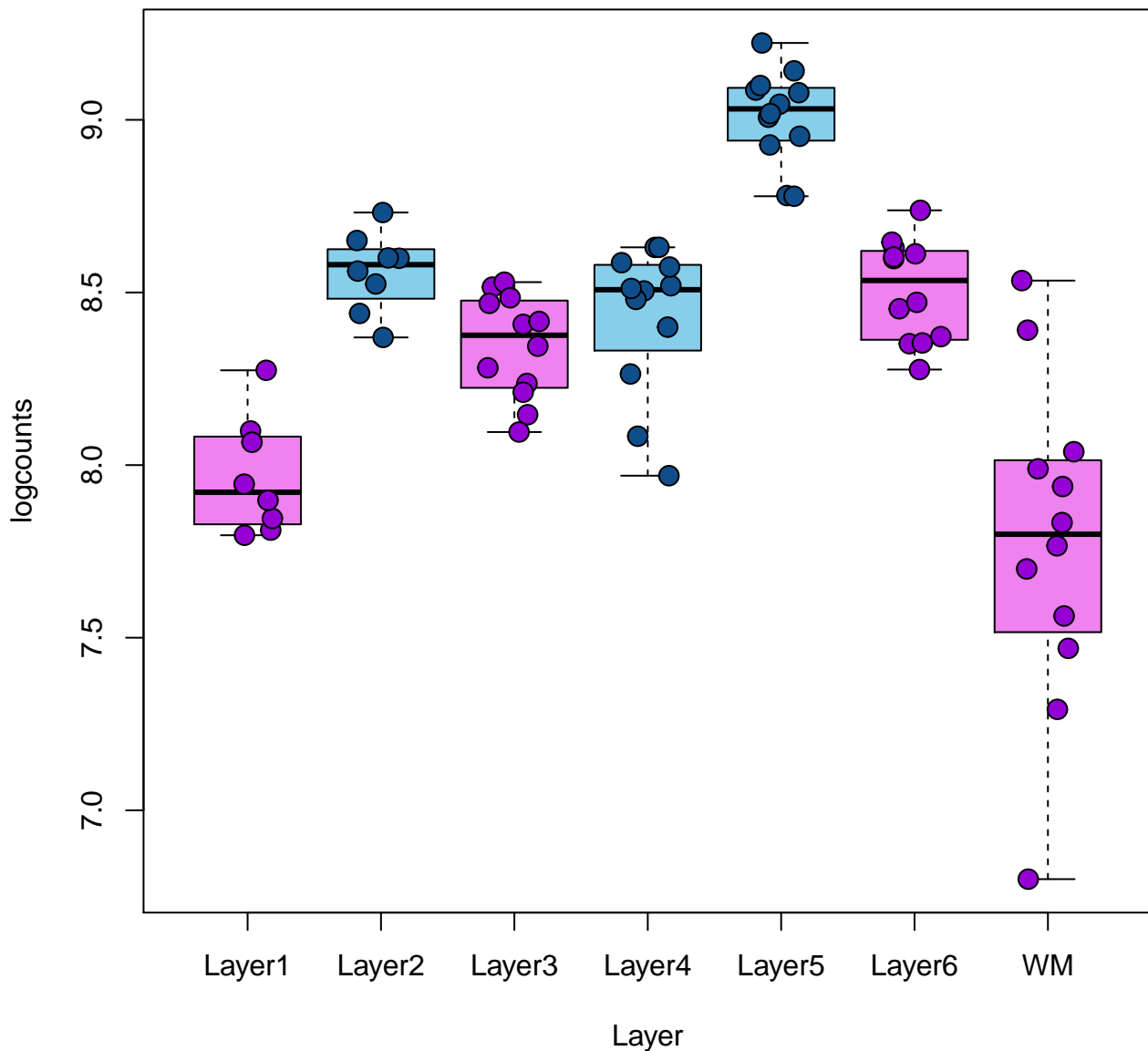
tstat 6.35e+00 p 1.37e-08 rank 83



# FAM3C ENSG00000196937 mouse marker (KM)

Layer2+Layer4+Layer5 vs others

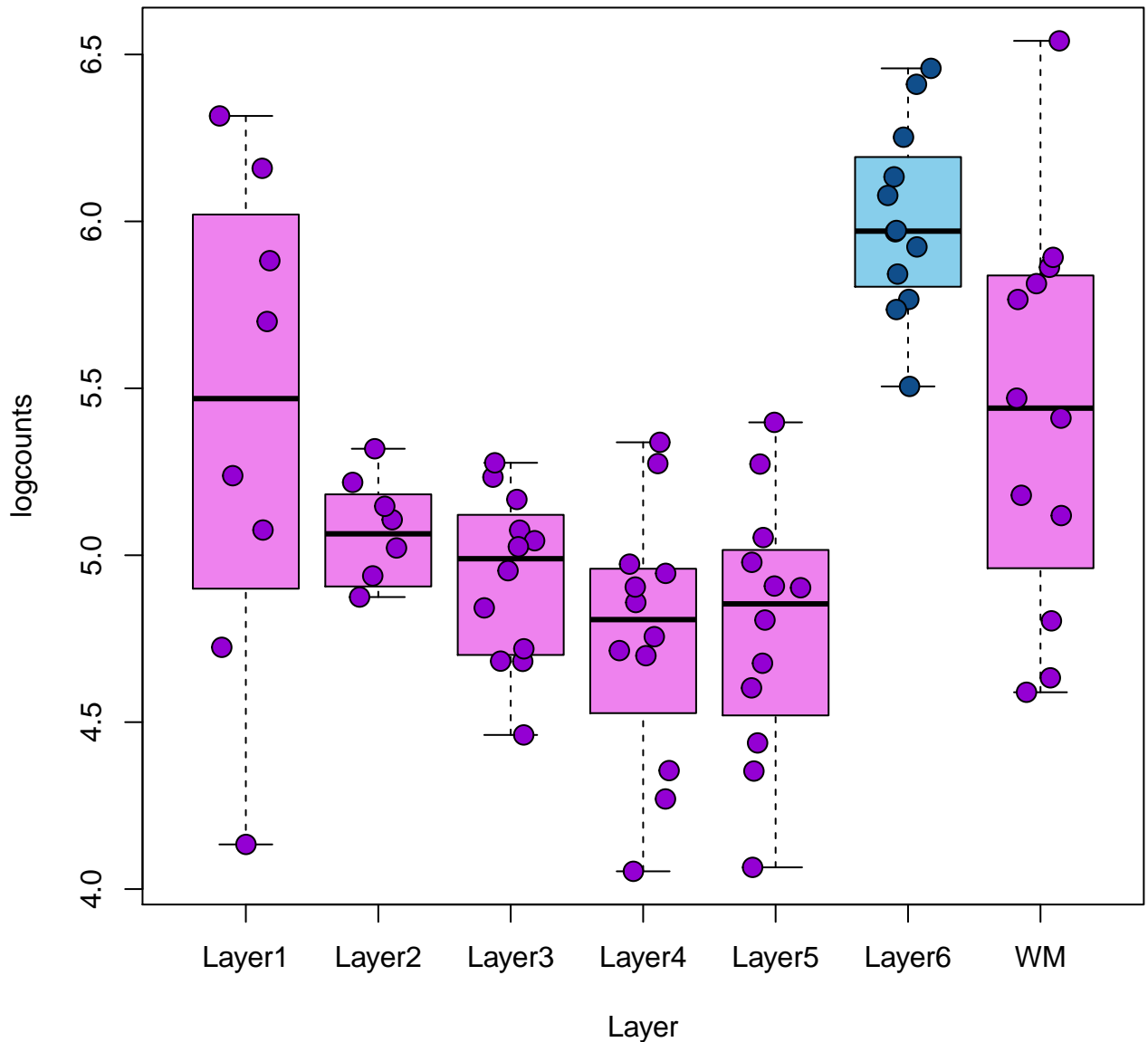
tstat 6.22e+00 p 2.43e-08 rank 21



# ANXA1 ENSG00000135046 human marker (KM)

Layer6 vs others

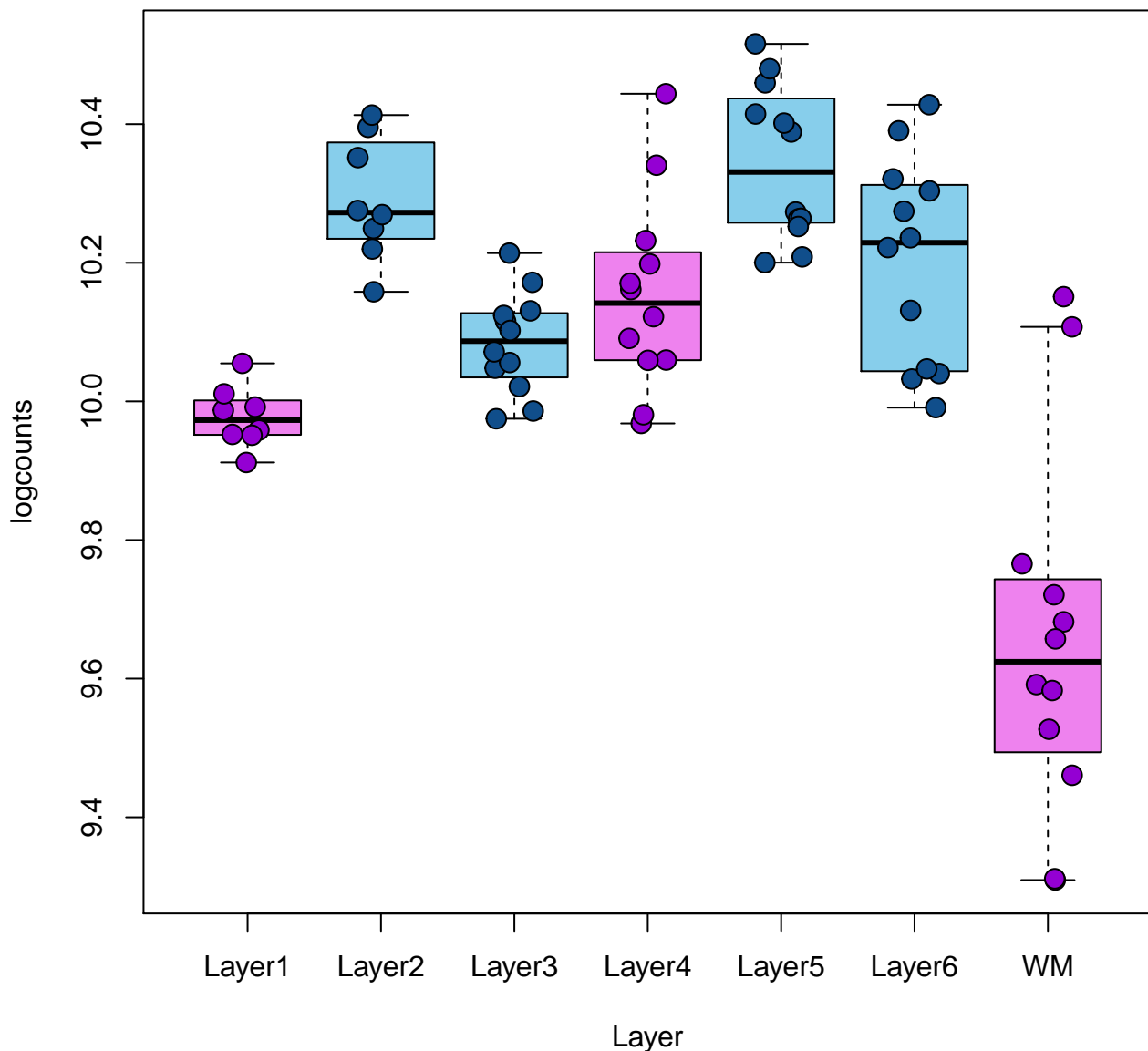
tstat 6.22e+00 p 2.43e-08 rank 31



# FXYP6 ENSG00000137726 mouse marker (KM)

Layer2+Layer3+Layer5+Layer6 vs others

tstat 5.90e+00 p 9.20e-08 rank 271

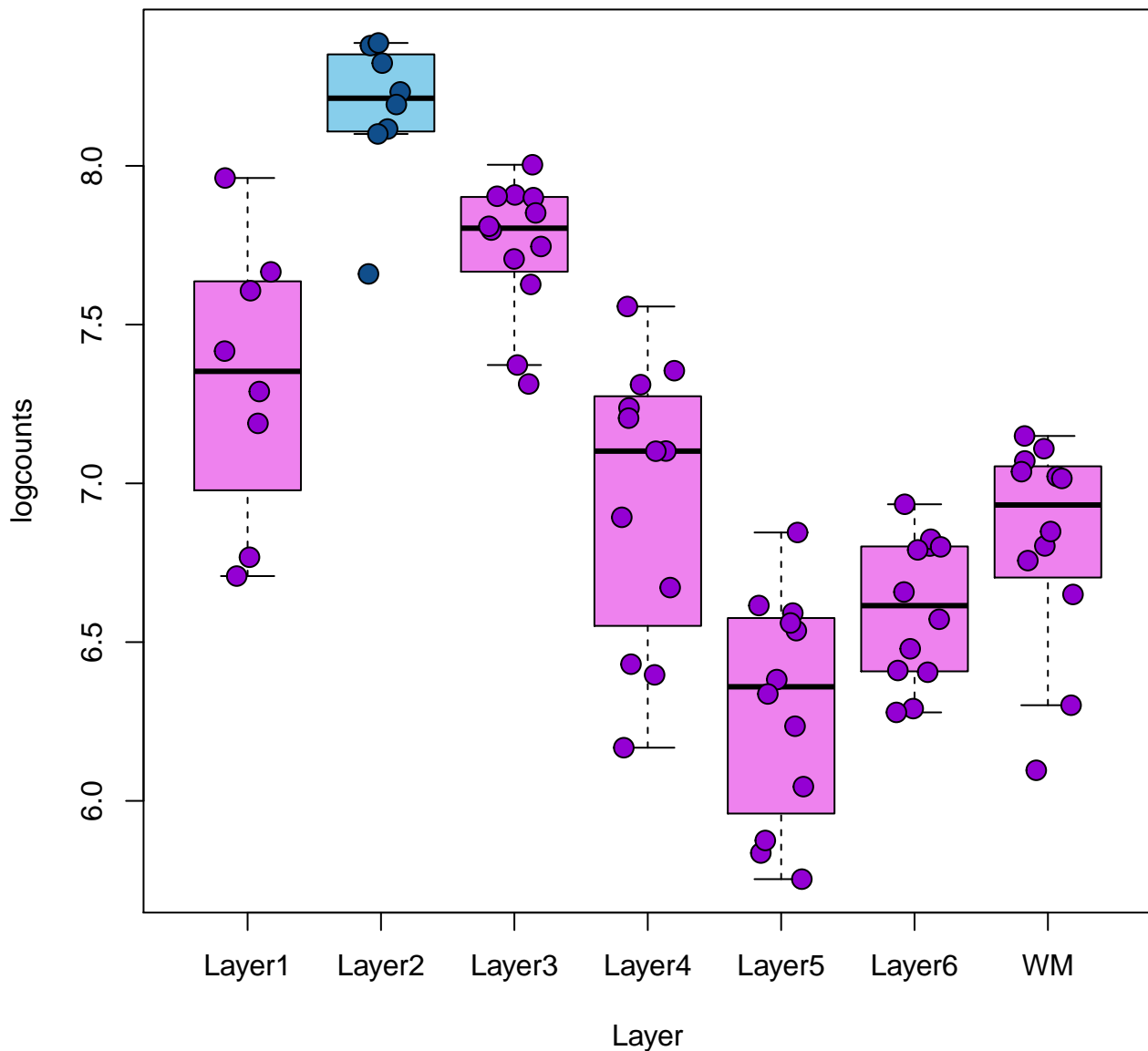




# RASGRF2 ENSG00000113319 mouse marker (KM)

Layer2 vs others

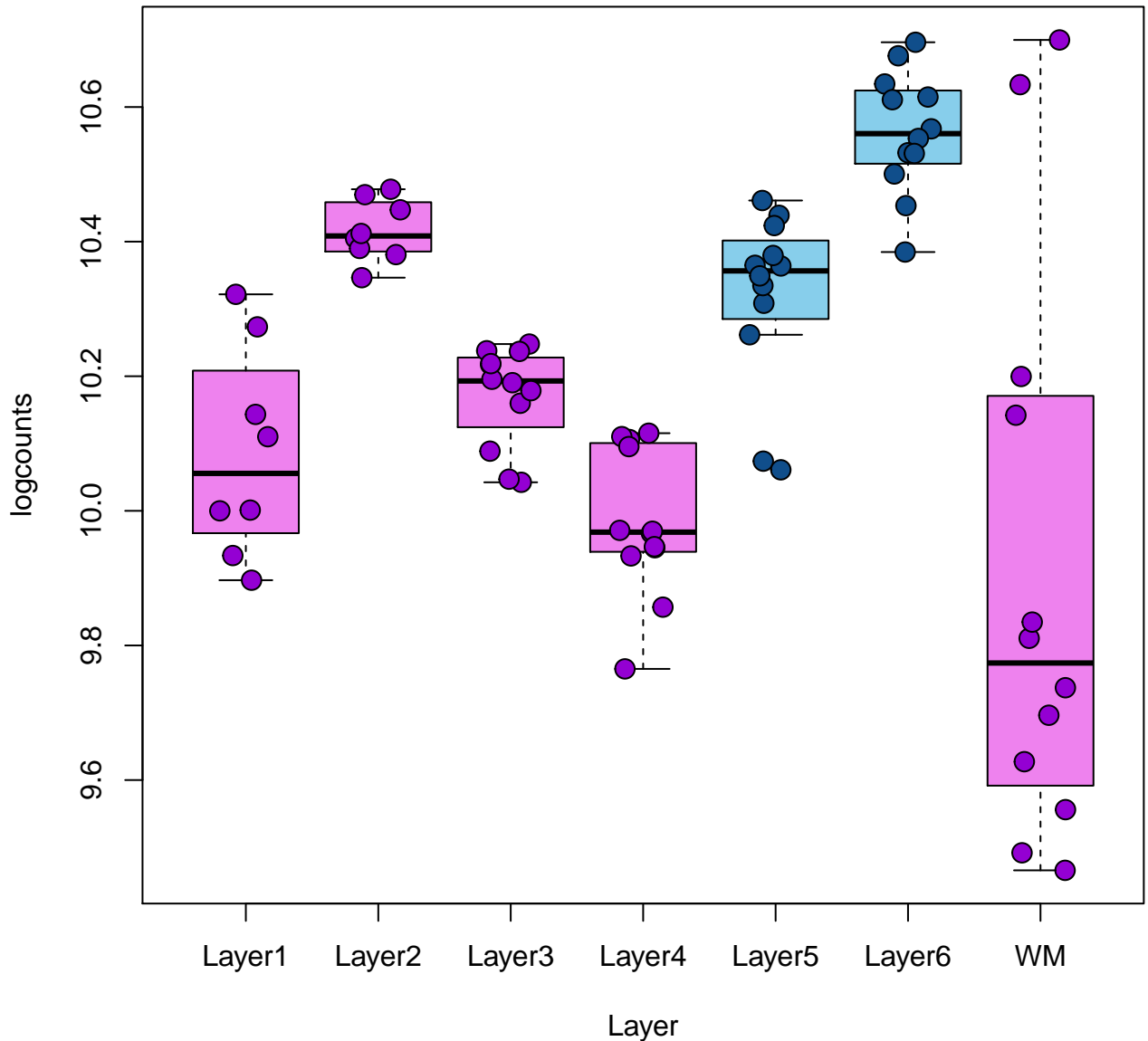
tstat 5.87e+00 p 1.05e-07 rank 73



# DKK3 ENSG00000050165 mouse marker (BM)

Layer5+Layer6 vs others

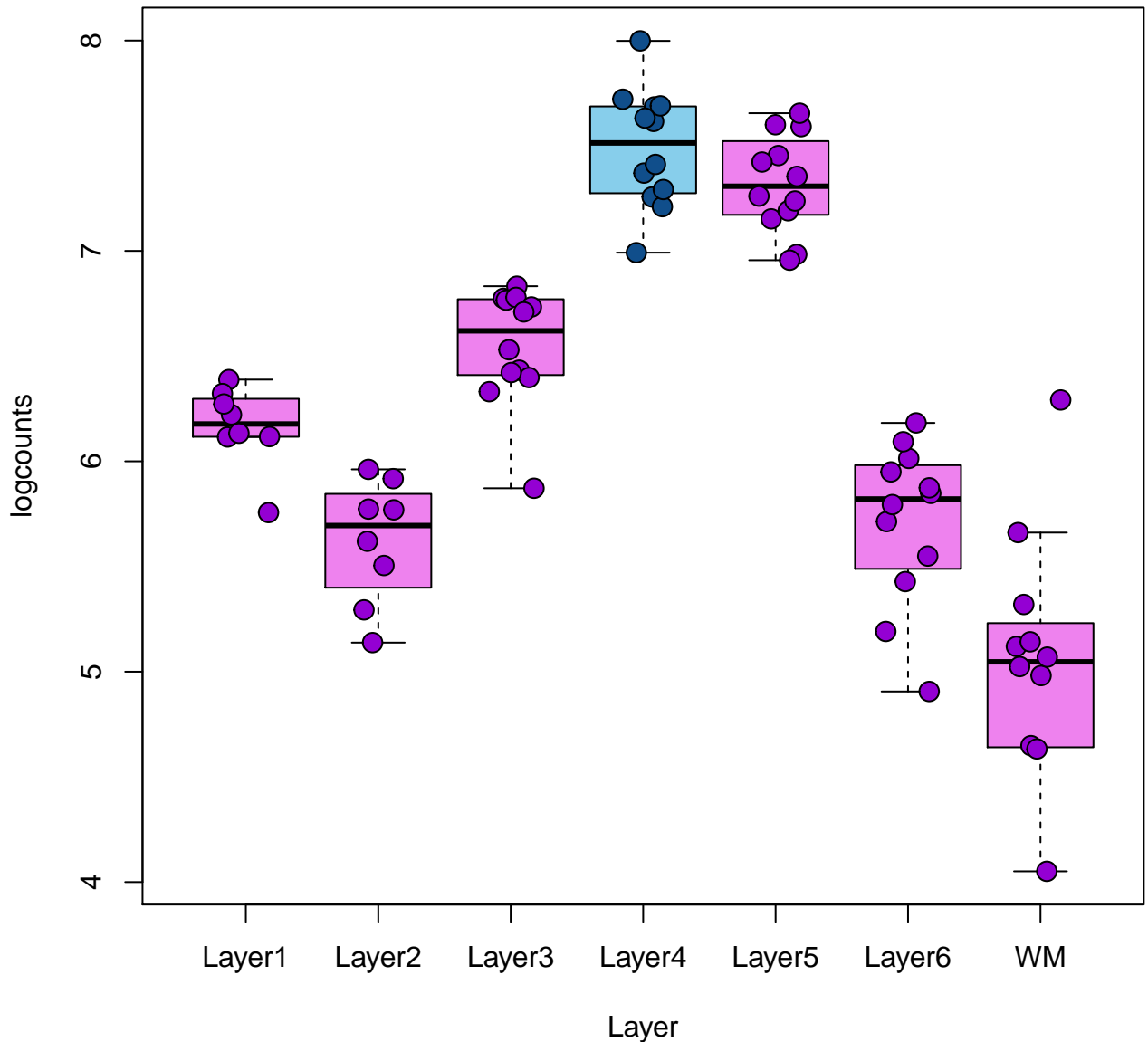
tstat 5.67e+00 p 2.41e-07 rank 174



# RORB ENSG00000198963 mouse marker (KM+BM)

Layer4 vs others

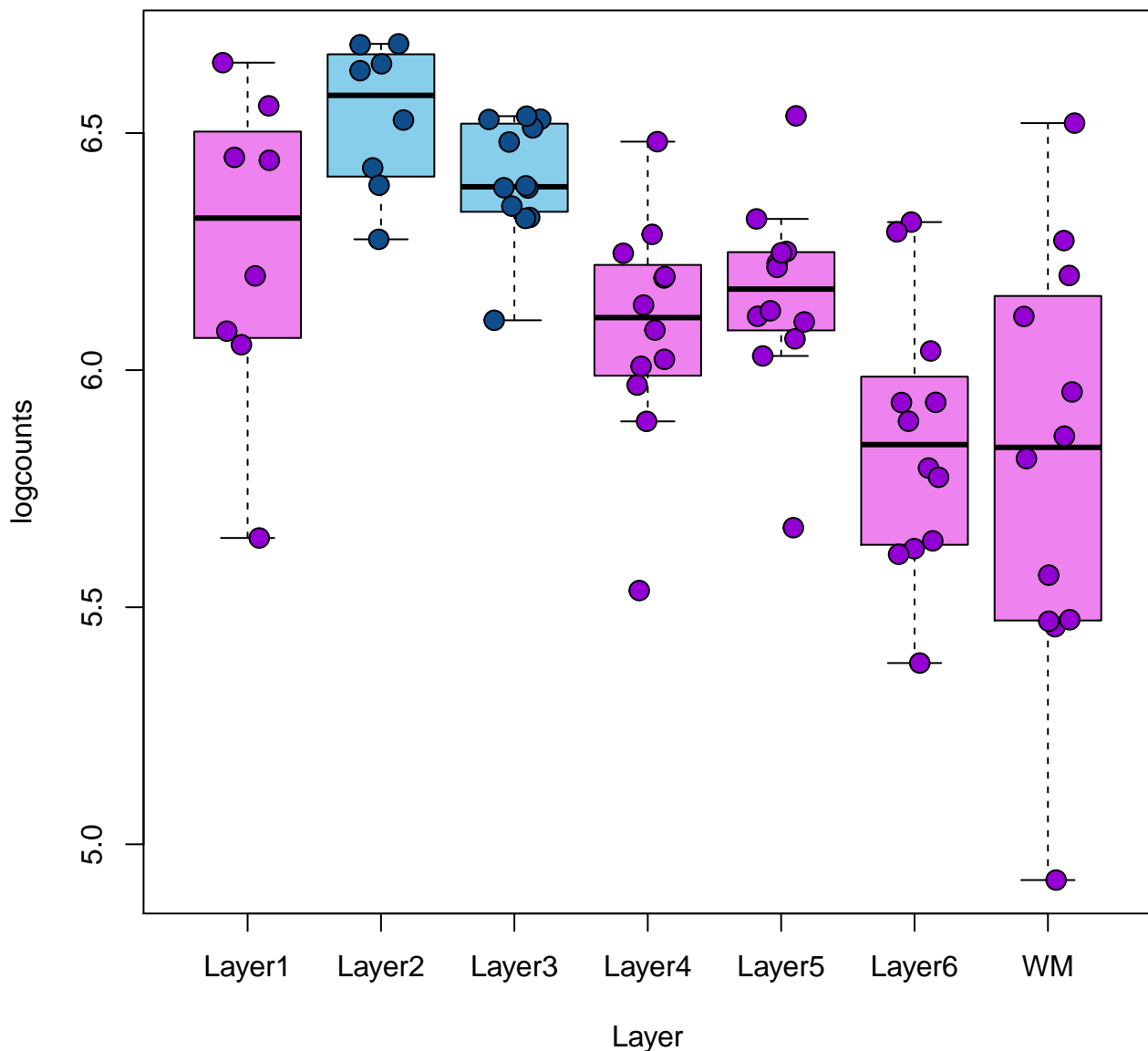
tstat 5.62e+00 p 2.91e-07 rank 21



# TLE1 ENSG00000196781 mouse marker (BM)

Layer2+Layer3 vs others

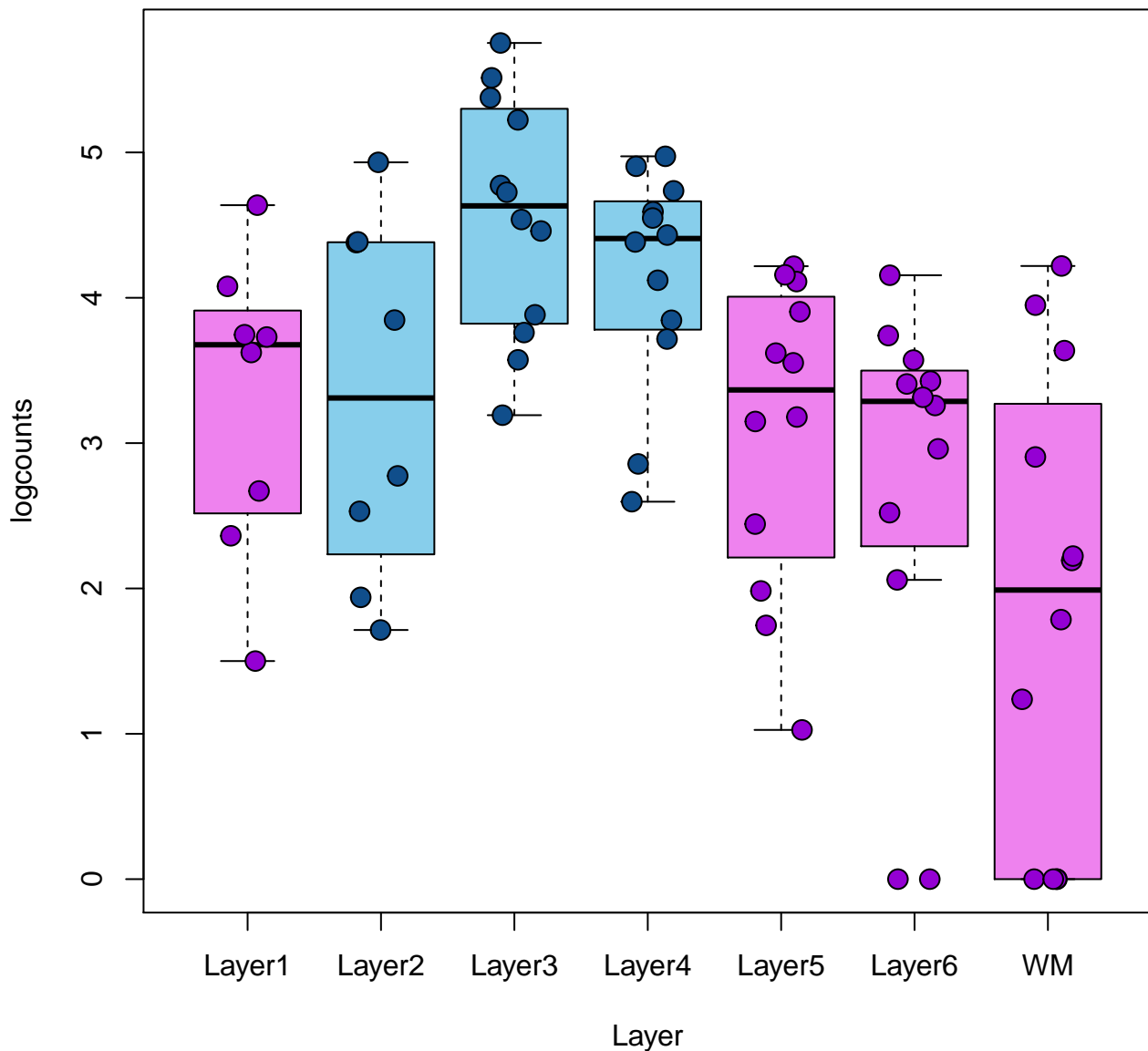
tstat 5.56e+00 p 3.76e-07 rank 311



# GPR6 ENSG00000146360 mouse marker (BM)

Layer2+Layer3+Layer4 vs others

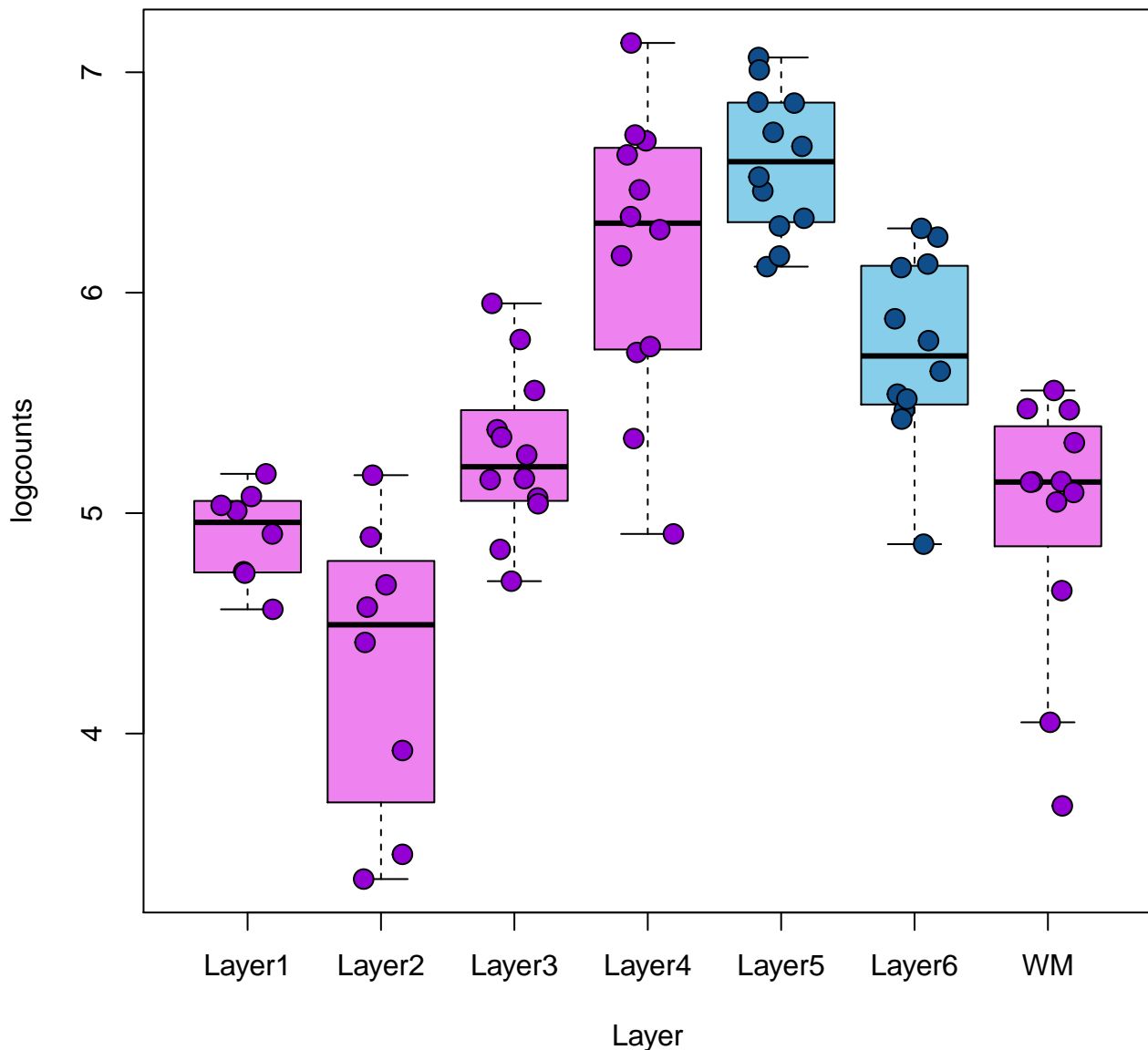
tstat 5.55e+00 p 3.95e-07 rank 586



# TOX ENSG00000198846 mouse marker (KM)

Layer5+Layer6 vs others

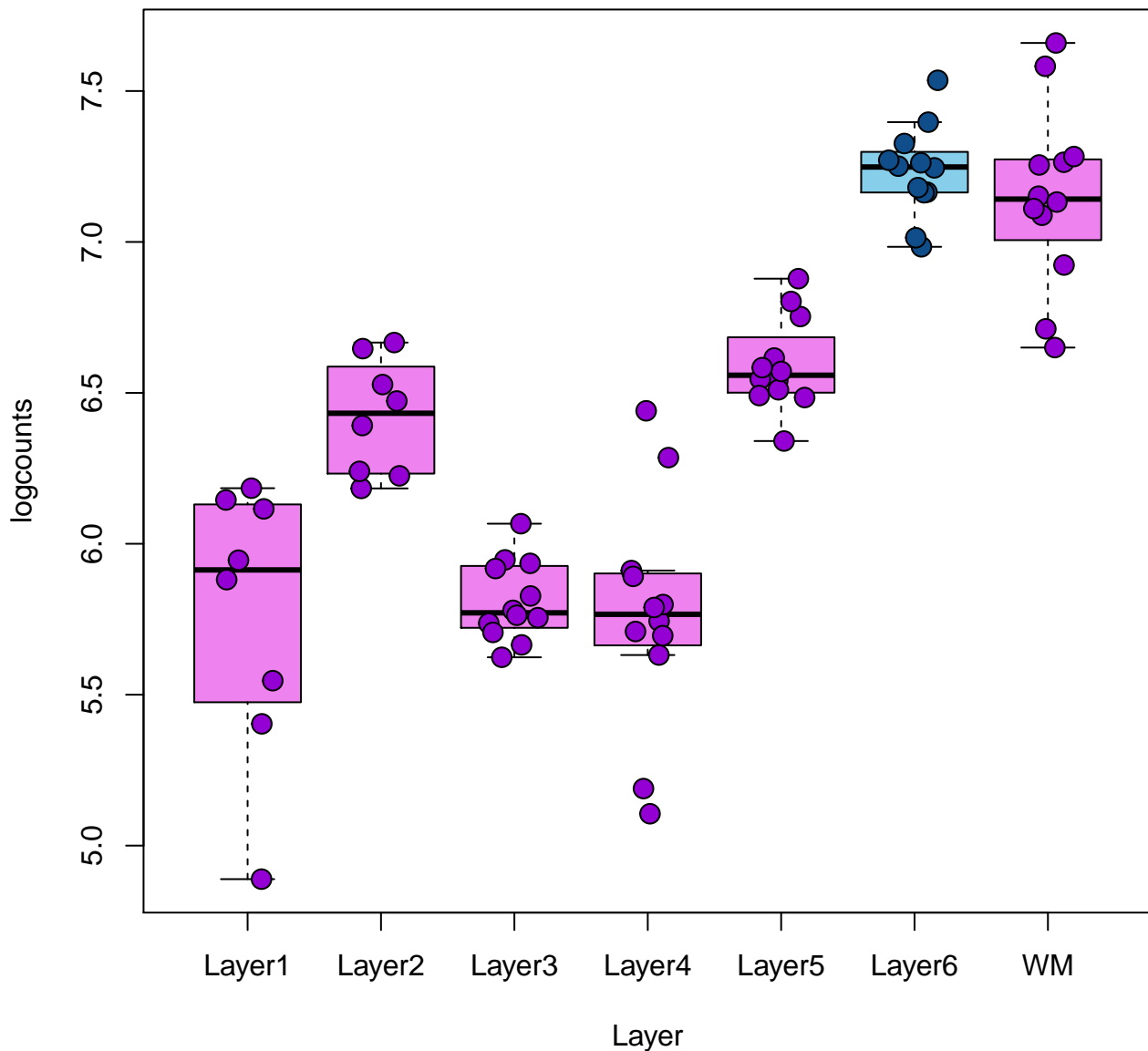
tstat 5.53e+00 p 4.25e-07 rank 199



# PCDH17 ENSG00000118946 human marker (KM)

Layer6 vs others

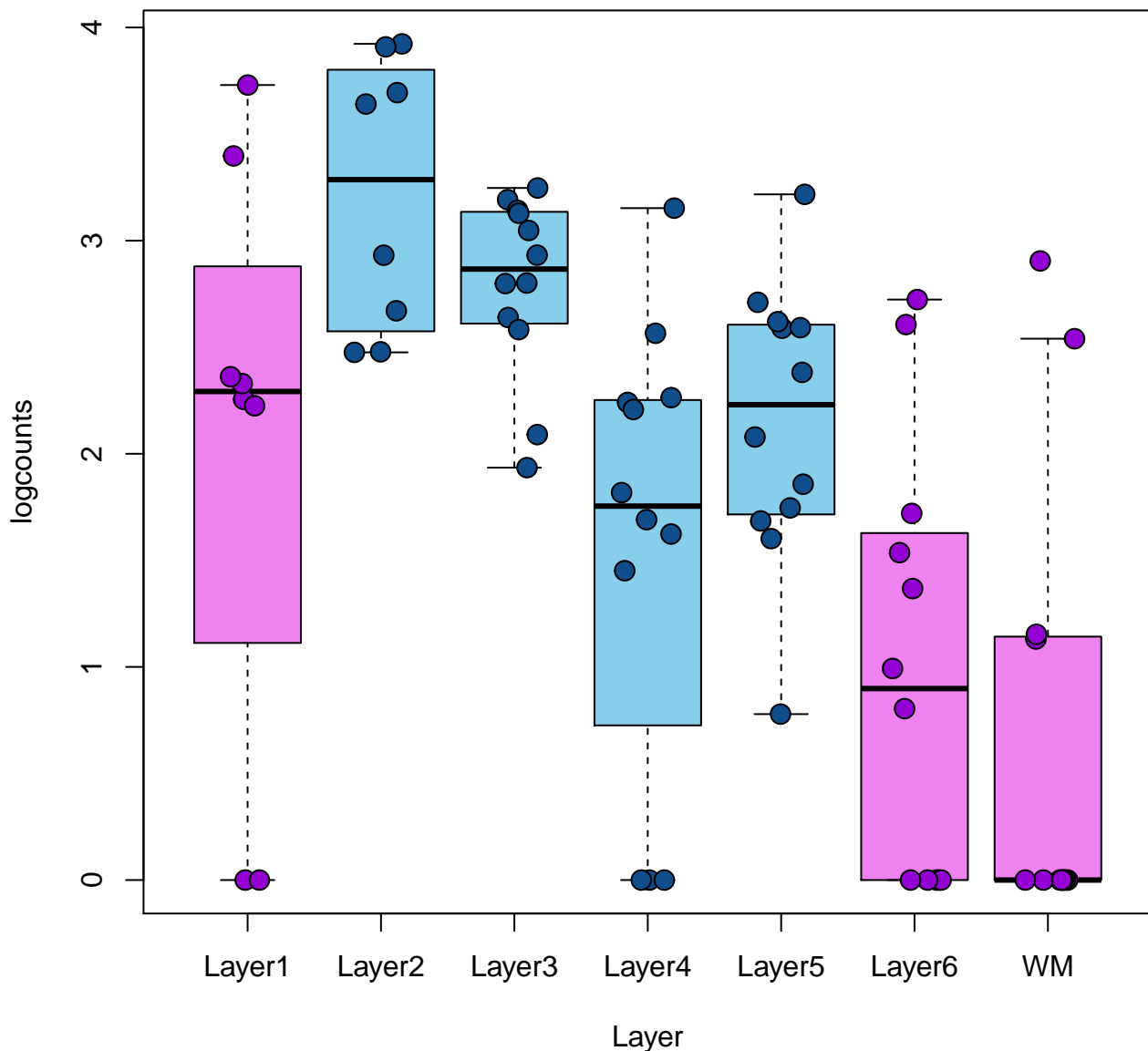
tstat 5.51e+00 p 4.55e-07 rank 61



**POU3F1 ENSG00000185668 mouse marker (BM)**

**Layer2+Layer3+Layer4+Layer5 vs others**

**tstat 5.31e+00 p 1.03e-06 rank 1853**

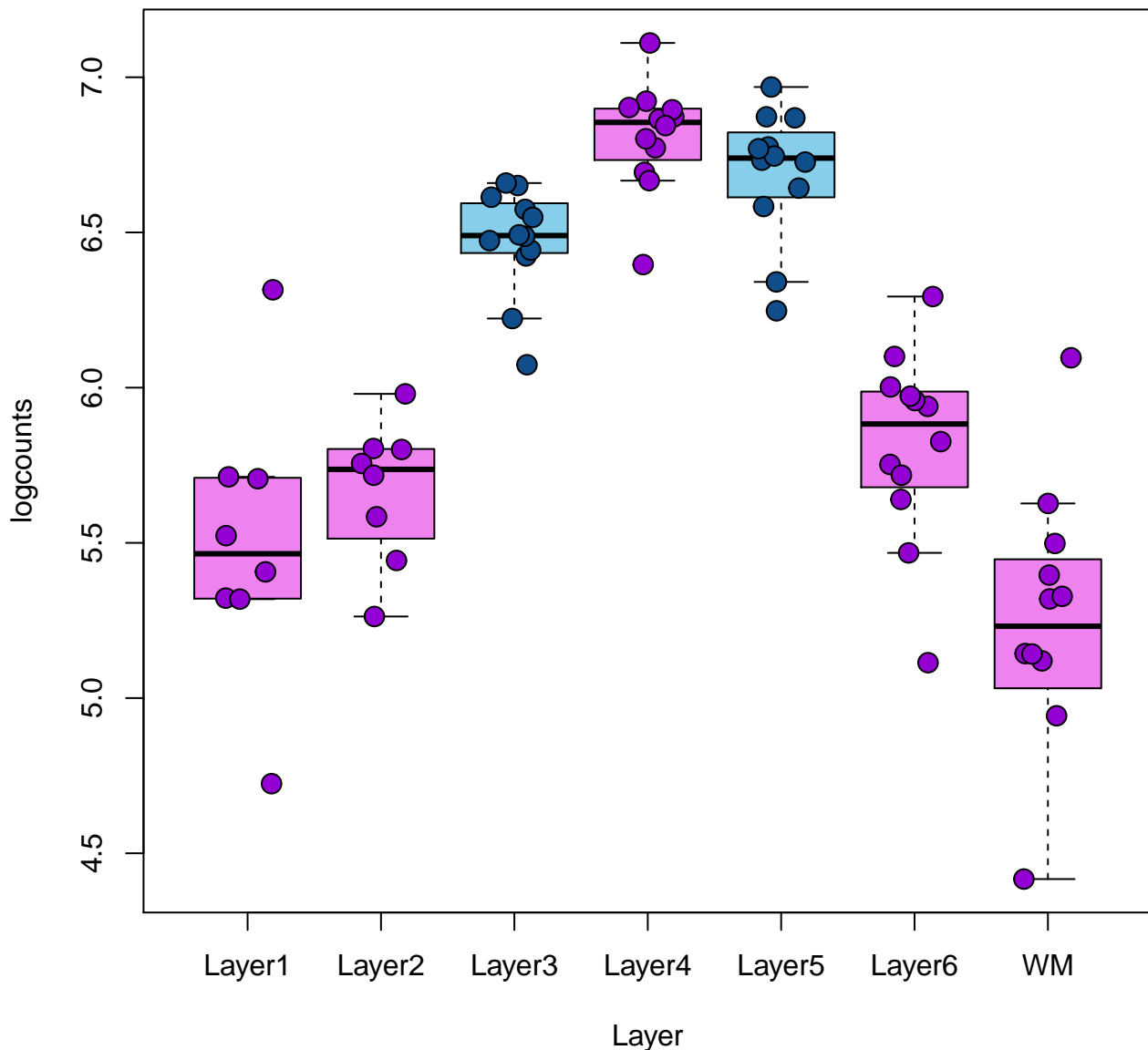




# BEND5 ENSG00000162373 mouse marker (KM)

Layer3+Layer5 vs others

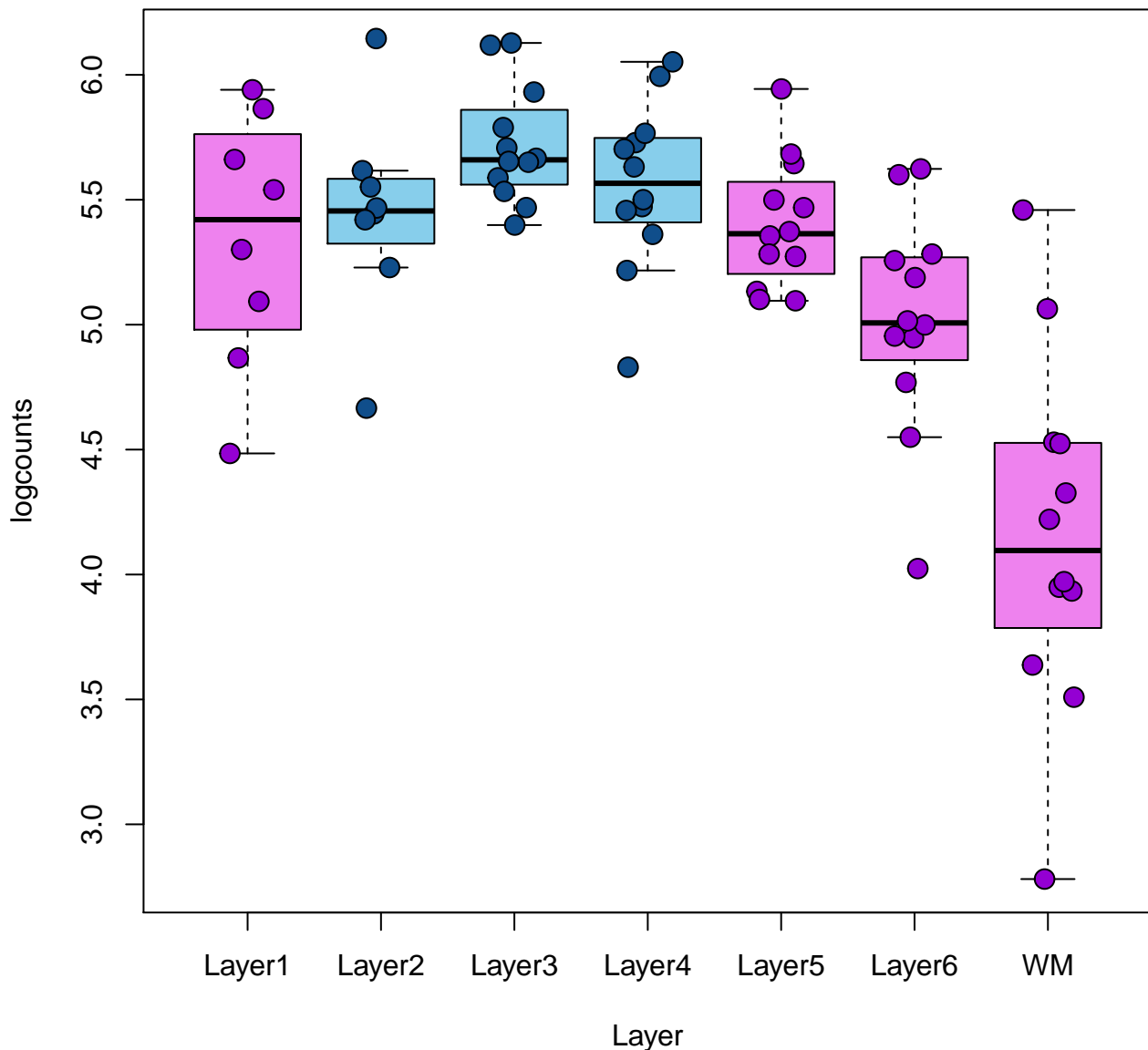
tstat 5.26e+00 p 1.25e-06 rank 9



# UNC5D ENSG00000156687 mouse marker (BM)

Layer2+Layer3+Layer4 vs others

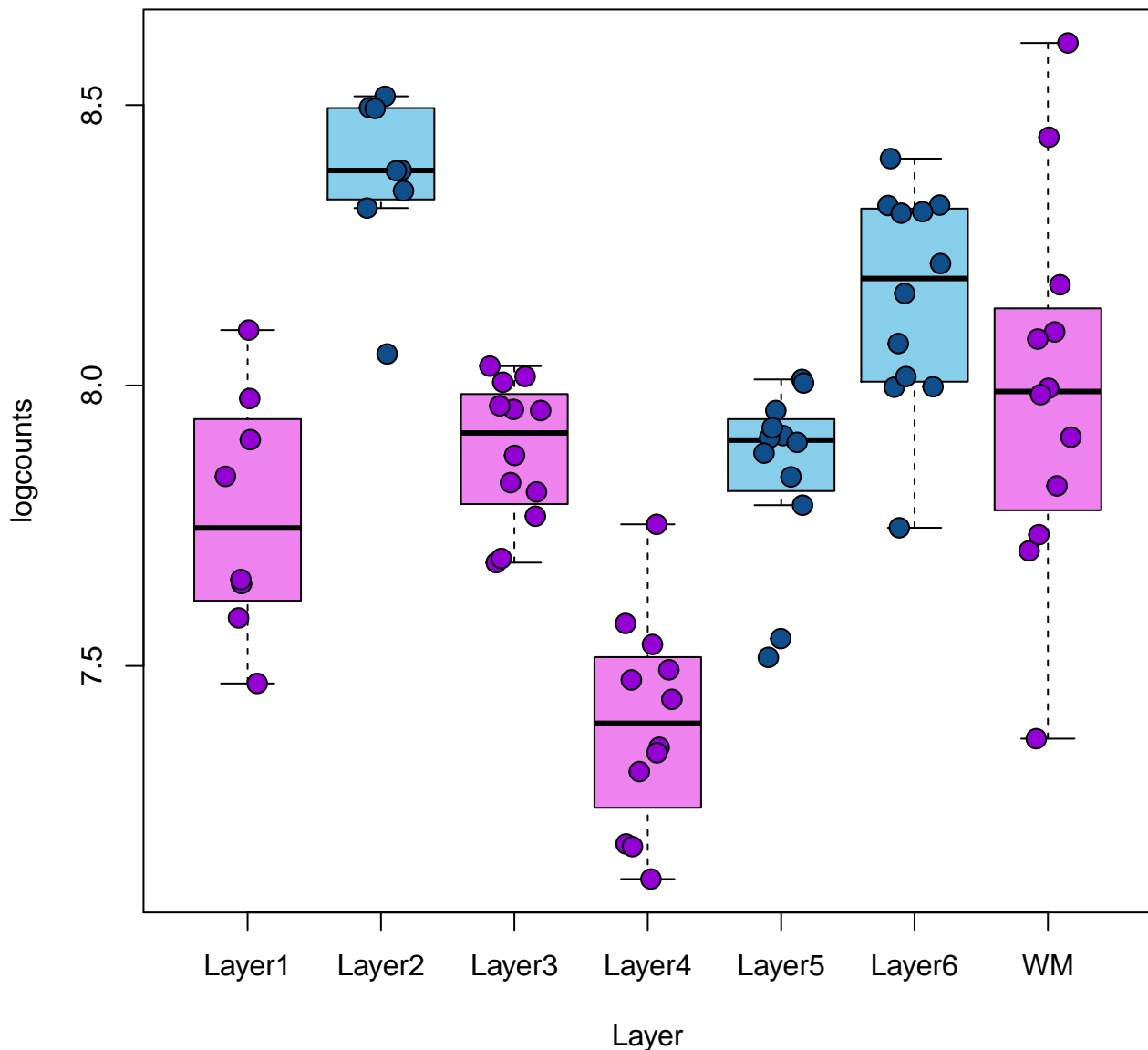
tstat 4.93e+00 p 4.63e-06 rank 1042



# ATP2B4 ENSG00000058668 mouse marker (KM)

Layer2+Layer5+Layer6 vs others

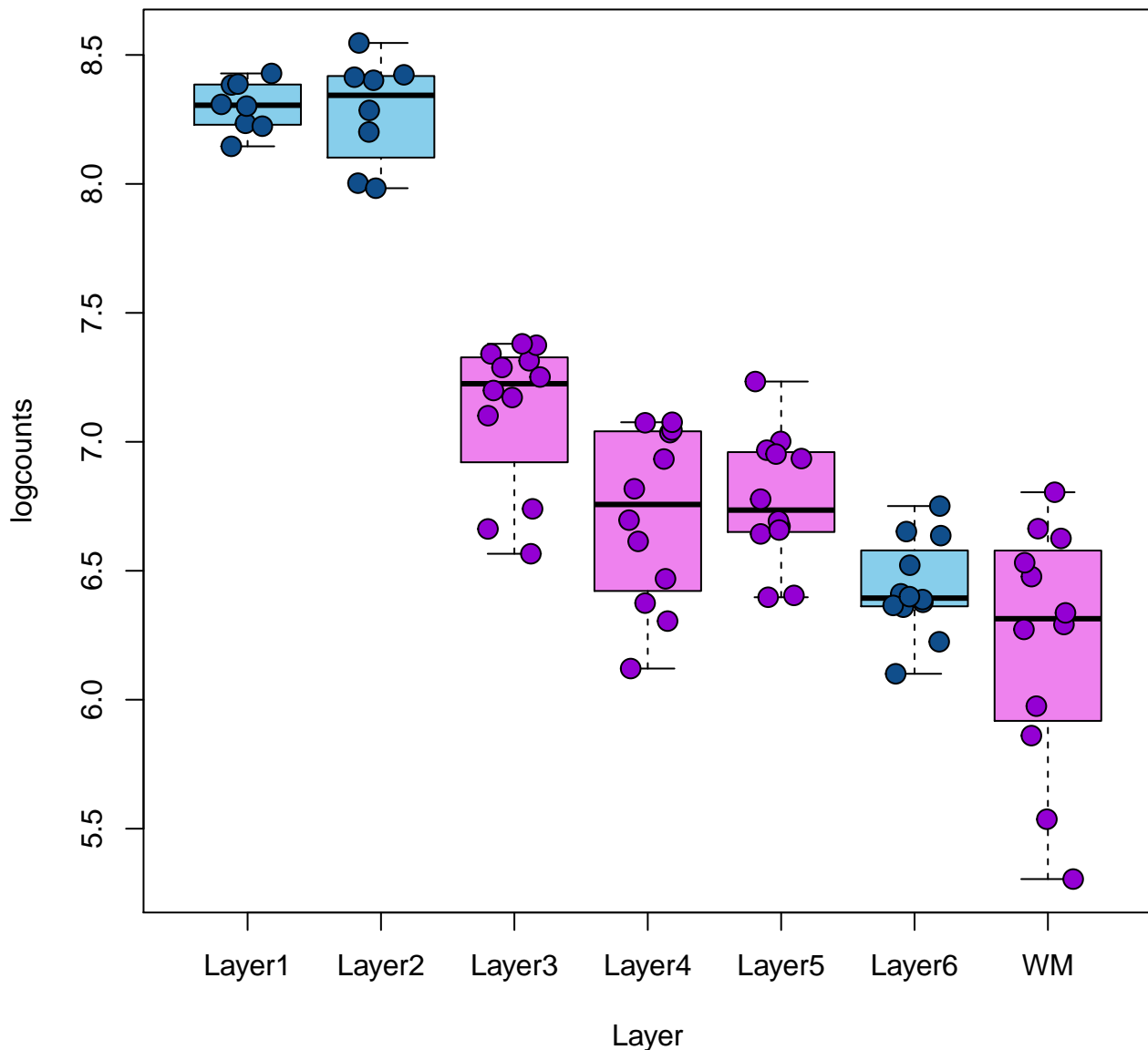
tstat 4.77e+00 p 8.51e-06 rank 318



# CNR1 ENSG00000118432 mouse marker (KM)

Layer1+Layer2+Layer6 vs others

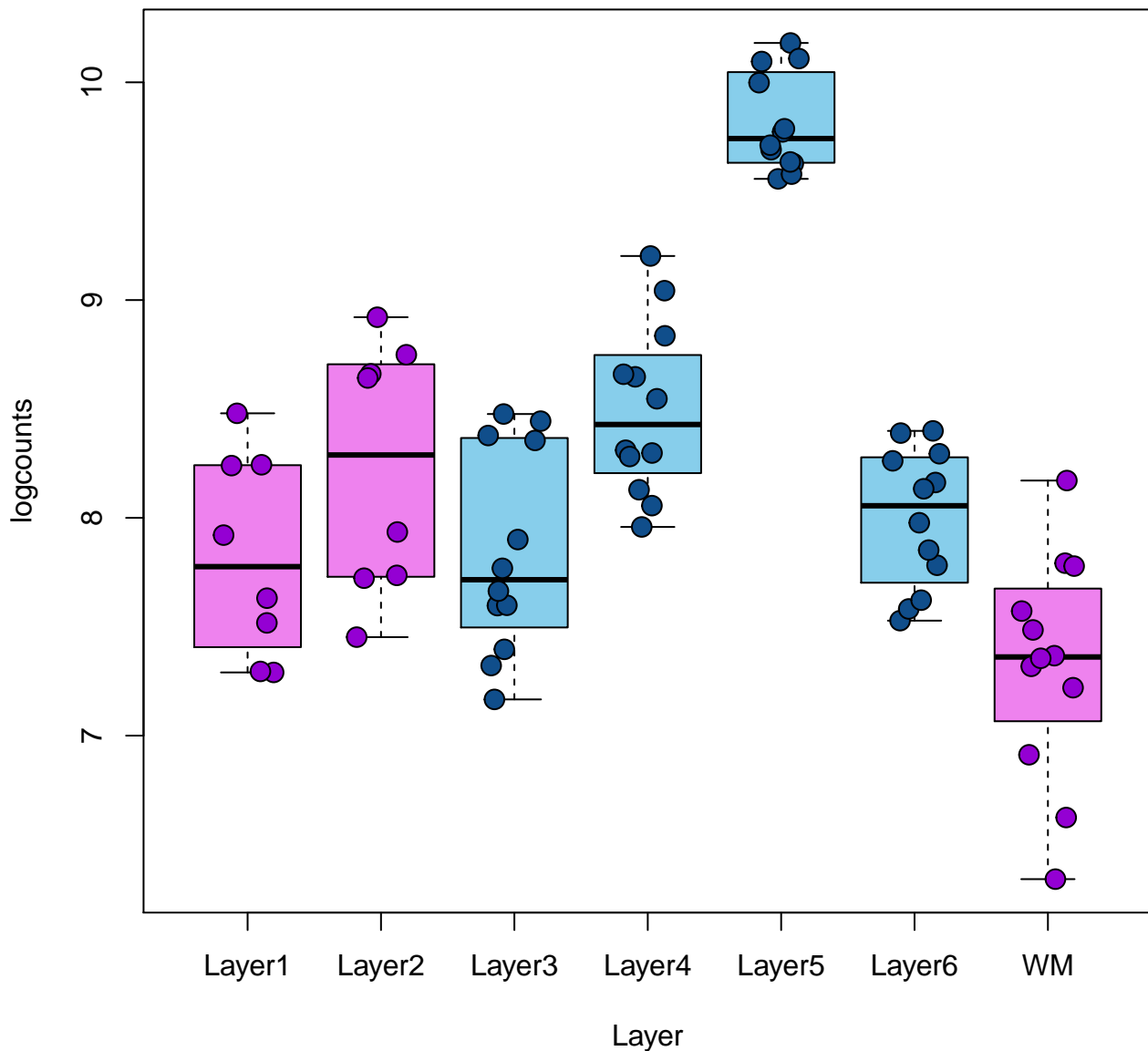
tstat 4.69e+00 p 1.15e-05 rank 137



PCP4 ENSG00000183036 mouse marker (KM)

Layer3+Layer4+Layer5+Layer6 vs others

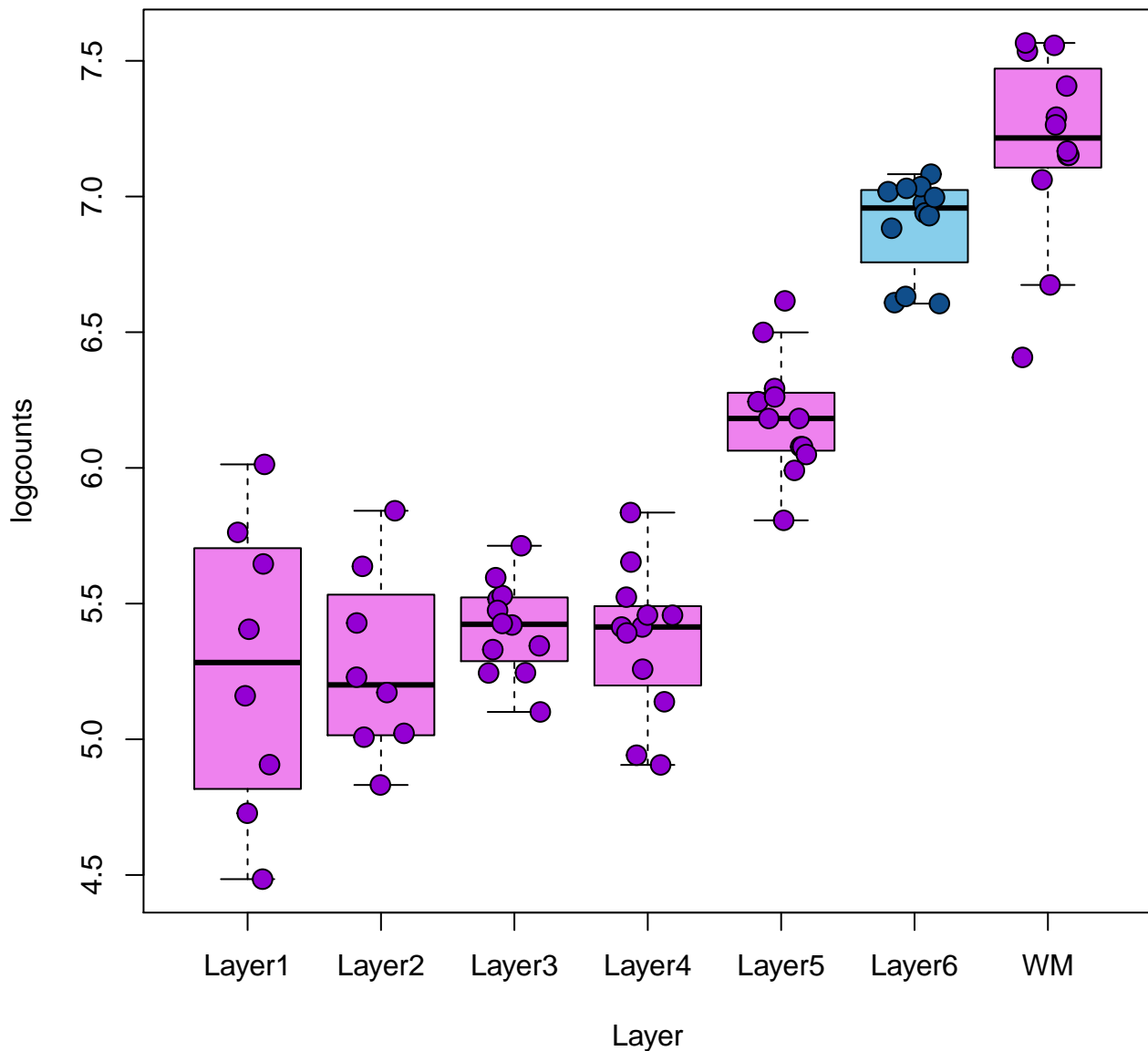
tstat 4.69e+00 p 1.15e-05 rank 2166



# TLE4 ENSG00000106829 mouse marker (KM)

Layer6 vs others

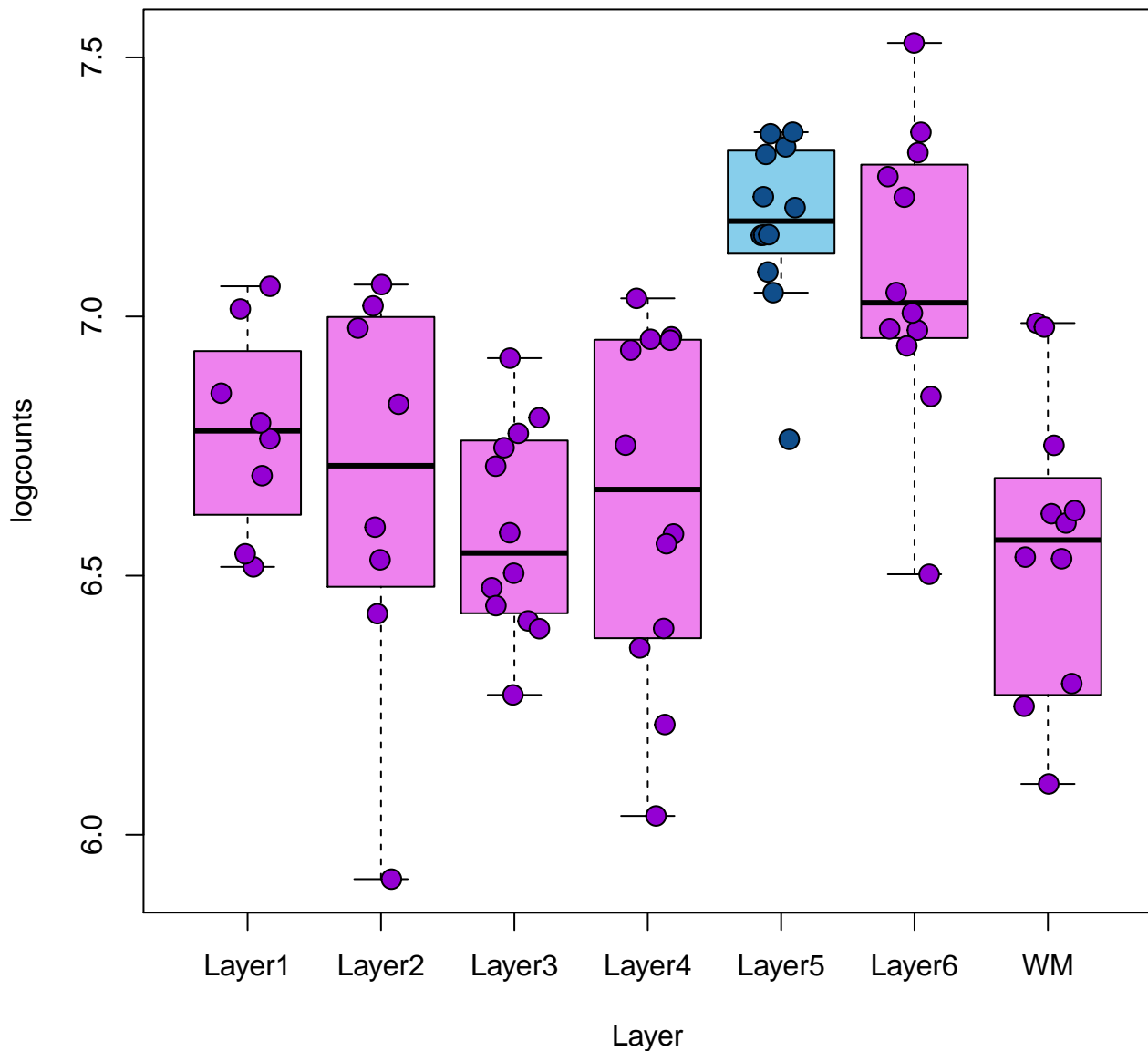
tstat 4.63e+00 p 1.48e-05 rank 114



# CRIM1 ENSG00000150938 mouse marker (BM)

Layer5 vs others

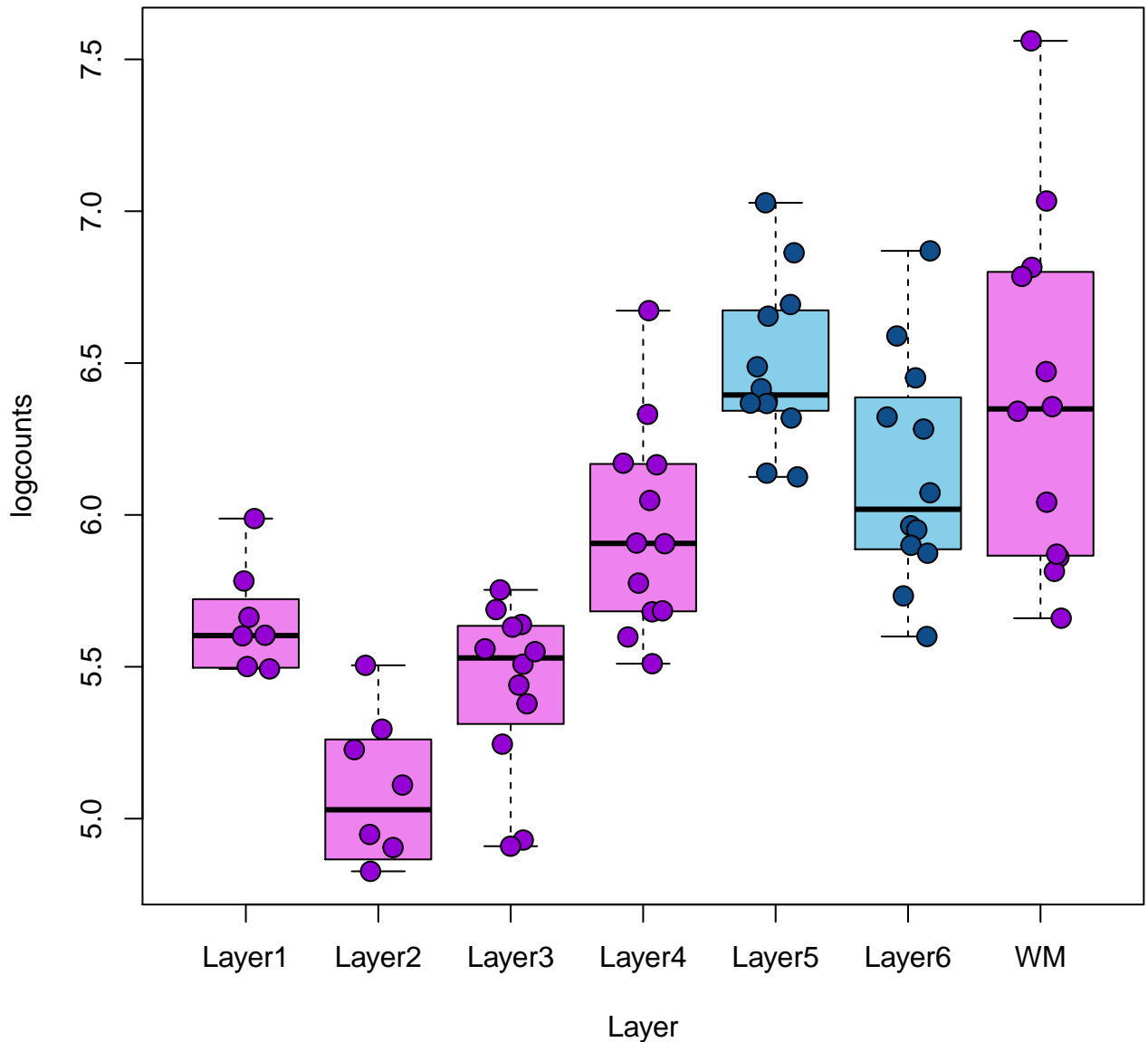
tstat 4.48e+00 p 2.52e-05 rank 163



# CPNE7 ENSG00000178773 mouse marker (KM)

Layer5+Layer6 vs others

tstat 4.44e+00 p 3.00e-05 rank 485

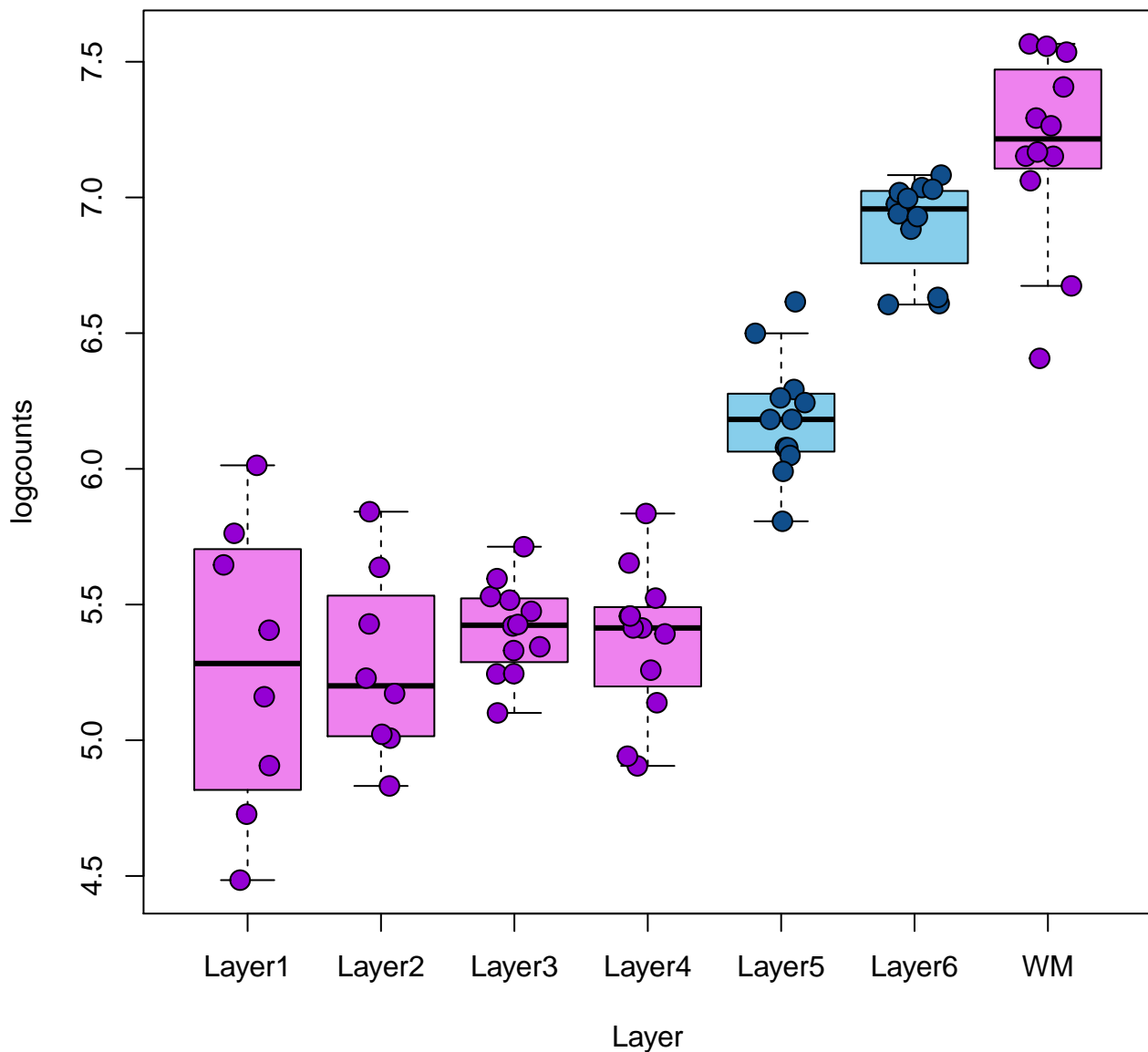




# TLE4 ENSG00000106829 mouse marker (BM)

Layer5+Layer6 vs others

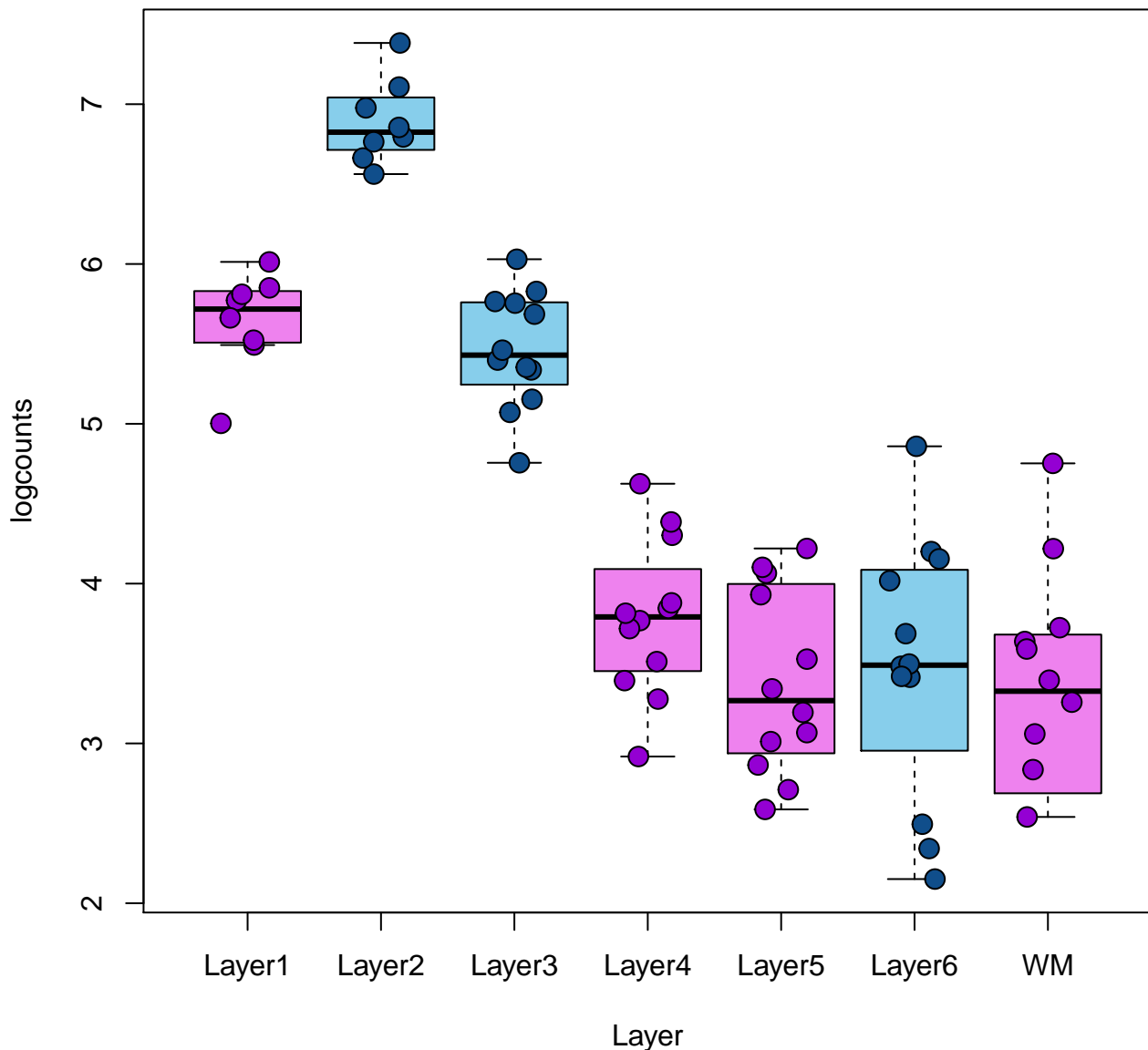
tstat 4.29e+00 p 5.23e-05 rank 559



**PENK ENSG00000181195 mouse marker (KM)**

**Layer2+Layer3+Layer6 vs others**

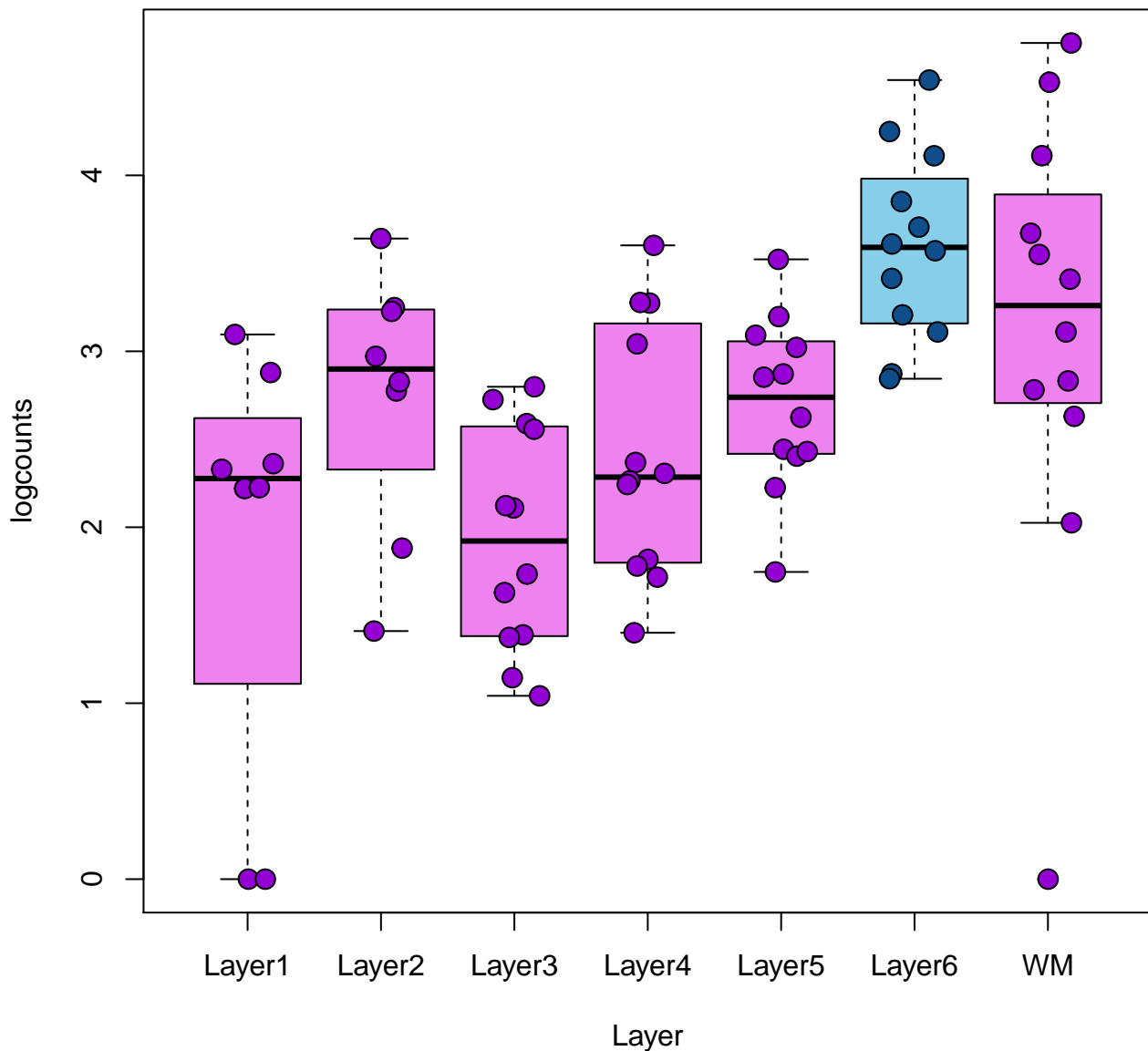
**tstat 4.28e+00 p 5.27e-05 rank 565**



# SYT6 ENSG00000134207 mouse marker (KM)

Layer6 vs others

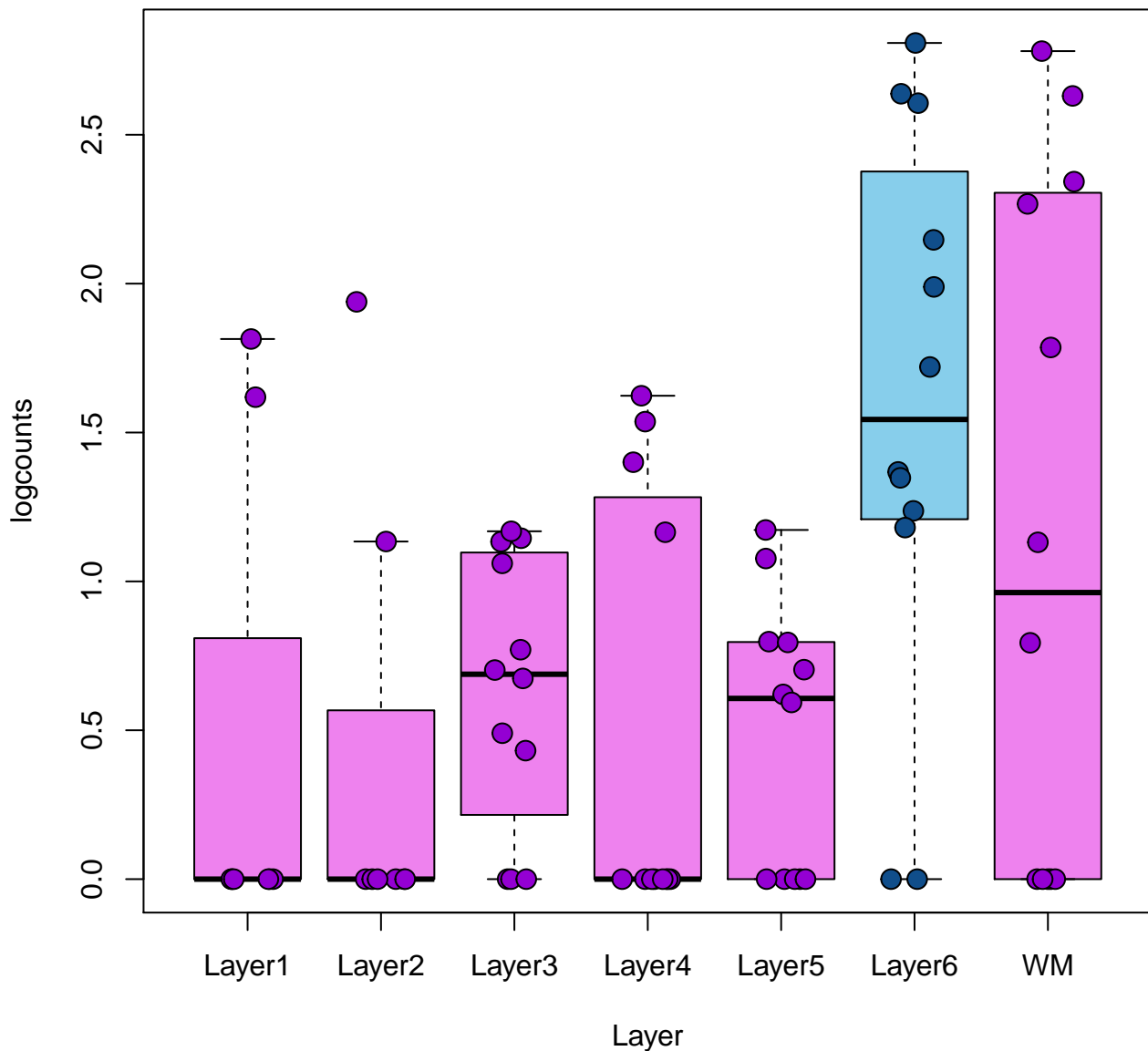
tstat 4.07e+00 p 1.14e-04 rank 205



# TH ENSG00000180176 mouse marker (KM)

## Layer6 vs others

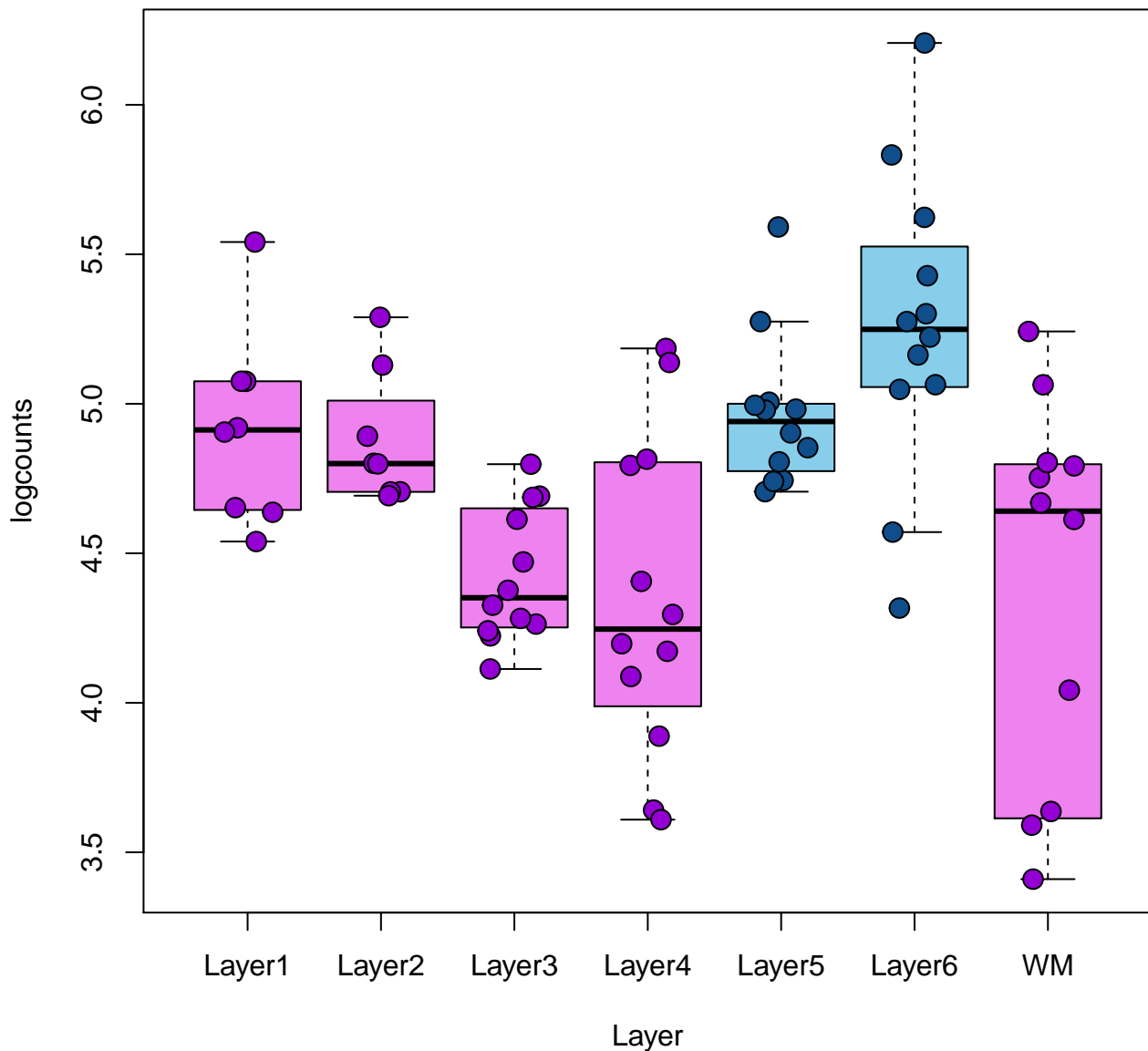
tstat 3.98e+00 p 1.53e-04 rank 220



# BCL11B ENSG00000127152 mouse marker (BM)

Layer5+Layer6 vs others

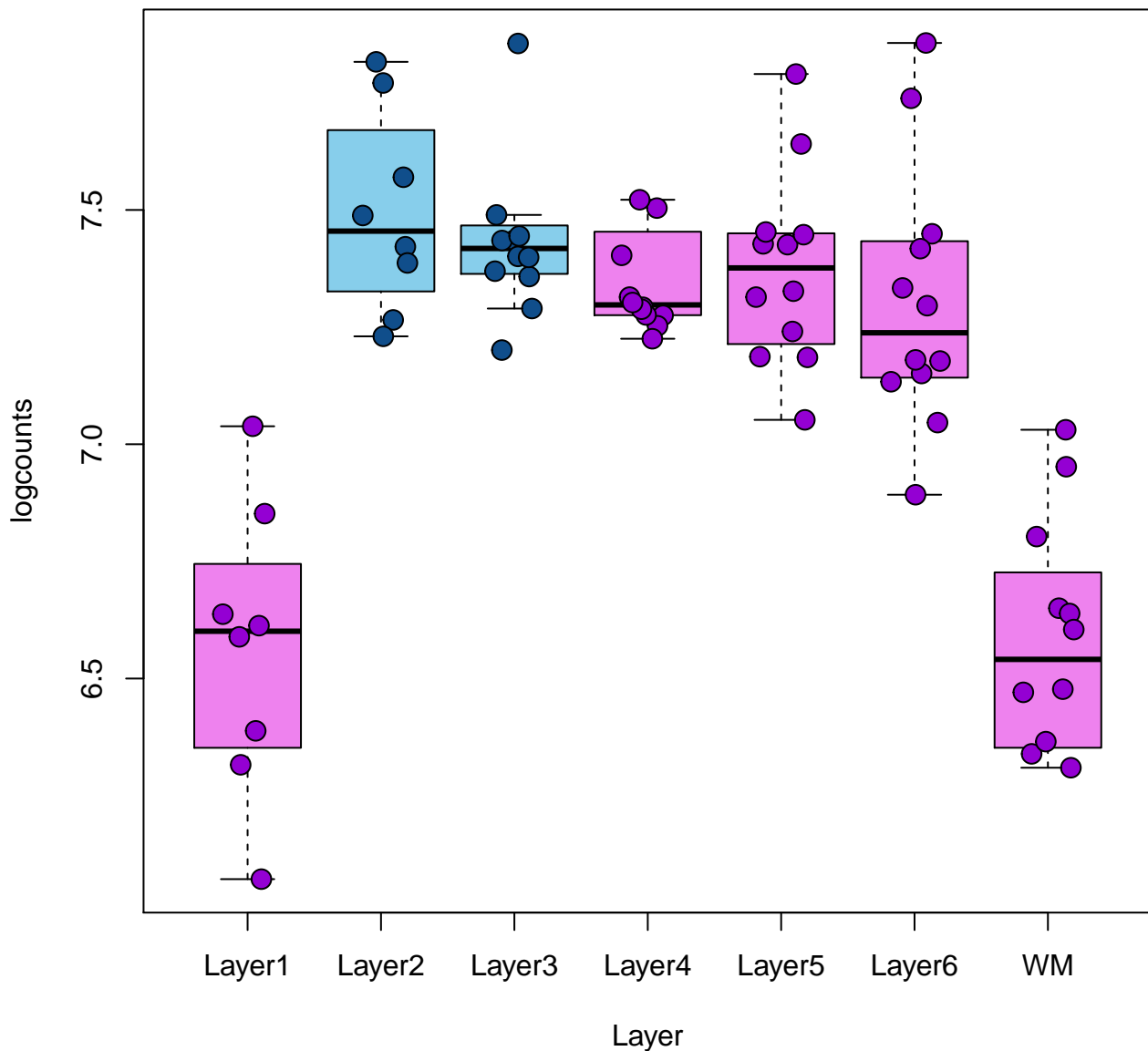
tstat 3.94e+00 p 1.78e-04 rank 744



# SATB2 ENSG00000119042 mouse marker (BM)

Layer2+Layer3 vs others

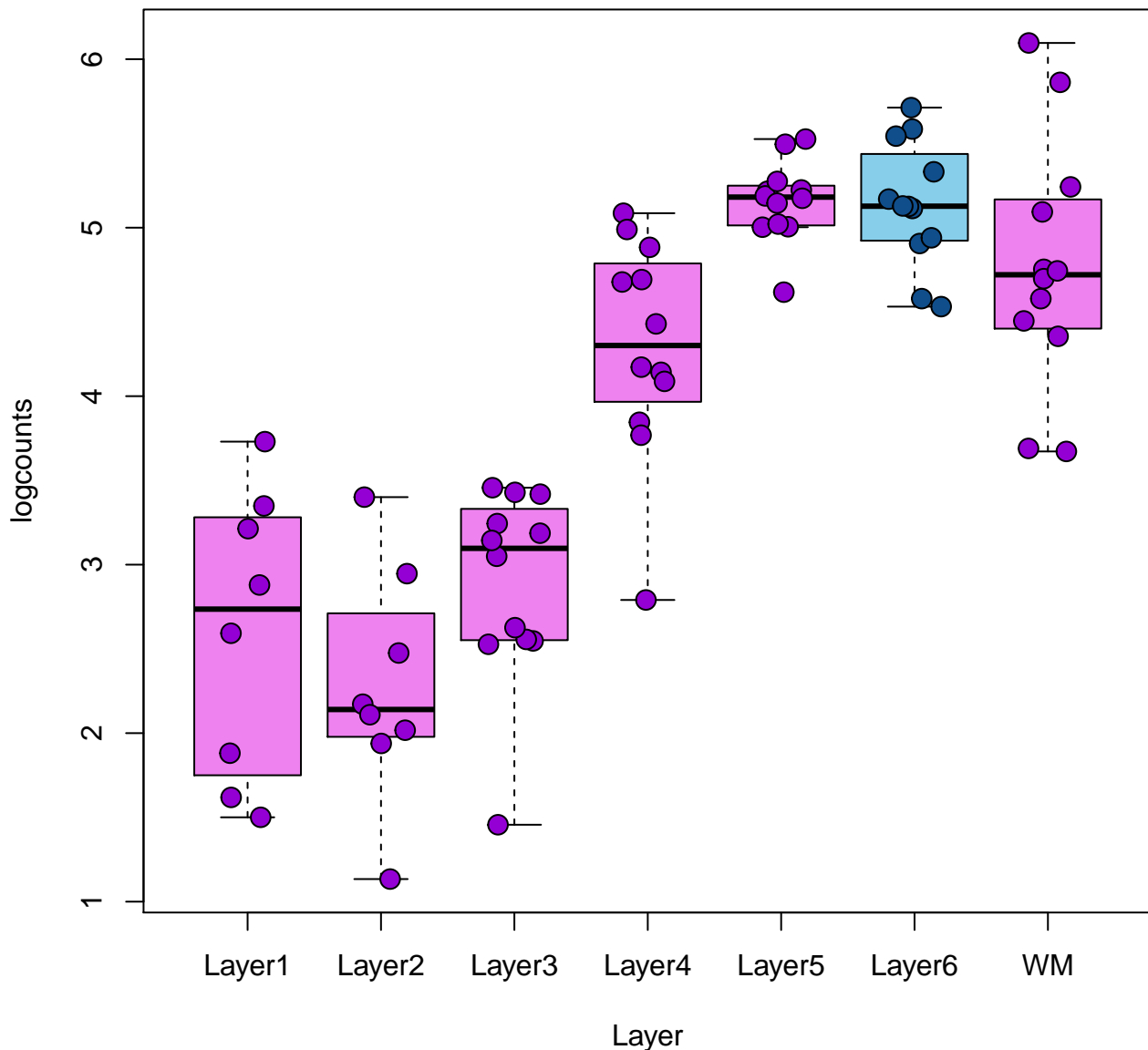
tstat 3.79e+00 p 3.00e-04 rank 1455



# FOXP2 ENSG00000128573 mouse marker (KM+BM)

Layer6 vs others

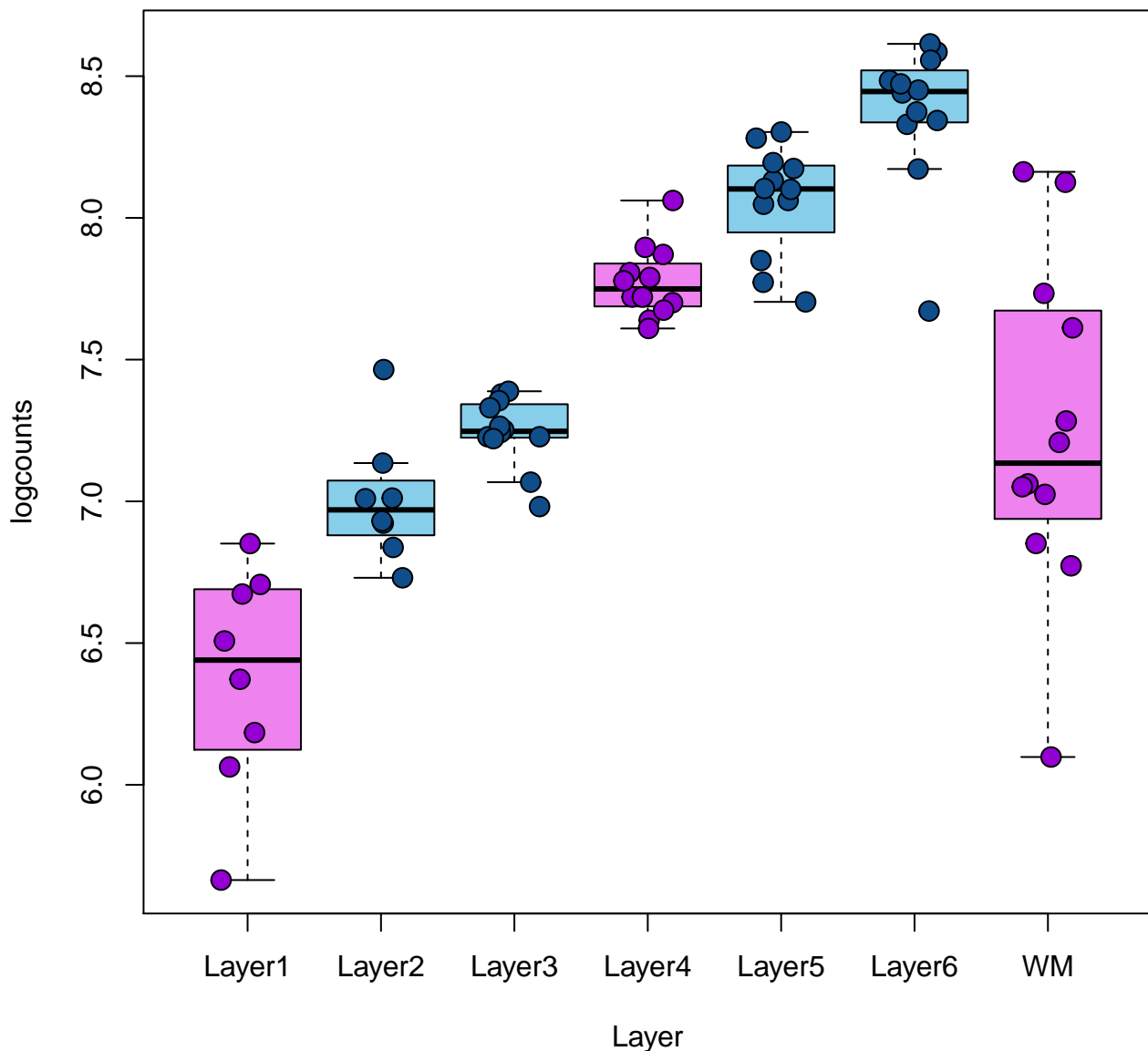
tstat 3.72e+00 p 3.83e-04 rank 293



# TBR1 ENSG00000136535 mouse marker (BM)

Layer2+Layer3+Layer5+Layer6 vs others

tstat 3.60e+00 p 5.54e-04 rank 2526

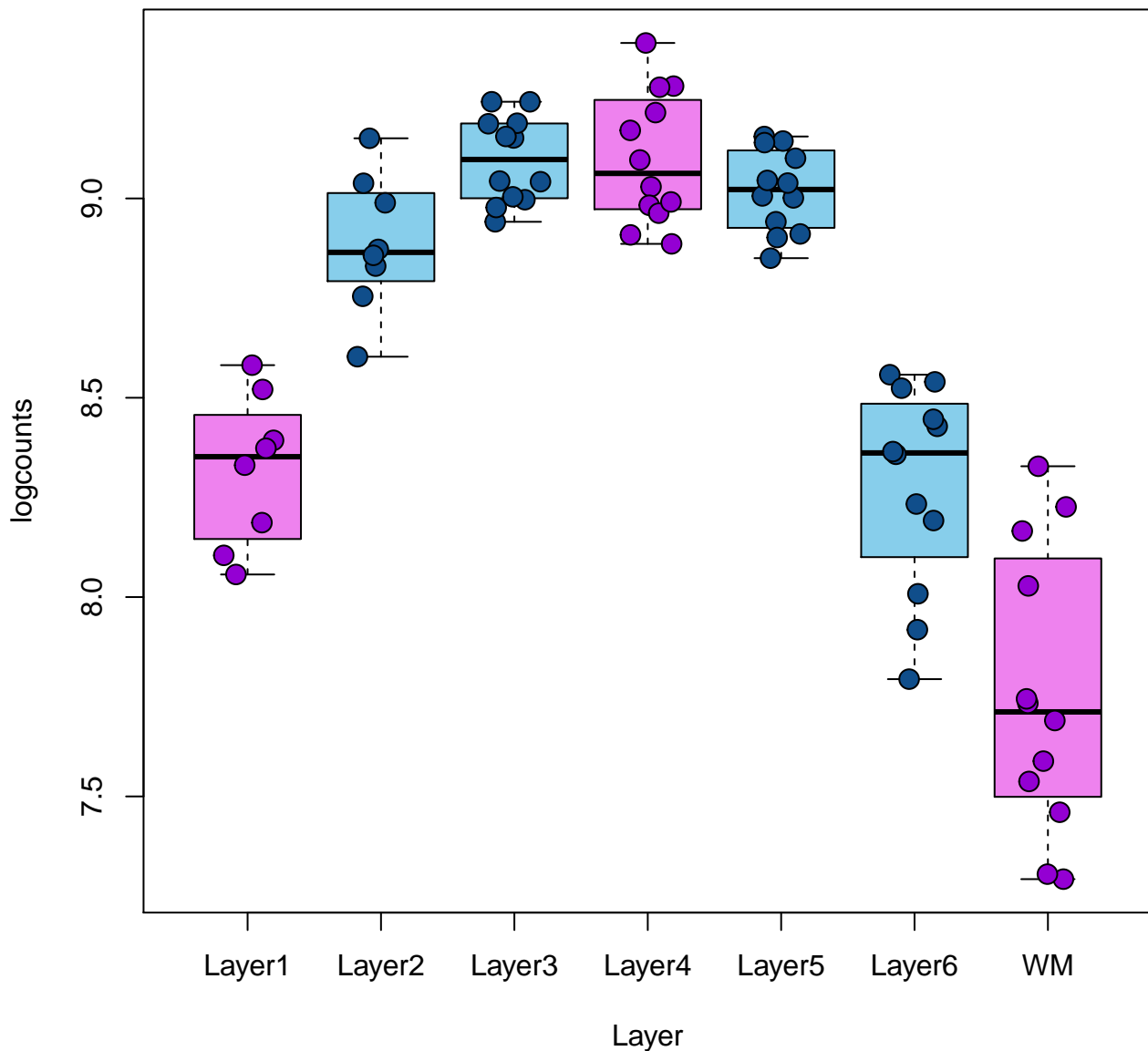




# CRYM ENSG00000103316 mouse marker (KM)

Layer2+Layer3+Layer5+Layer6 vs others

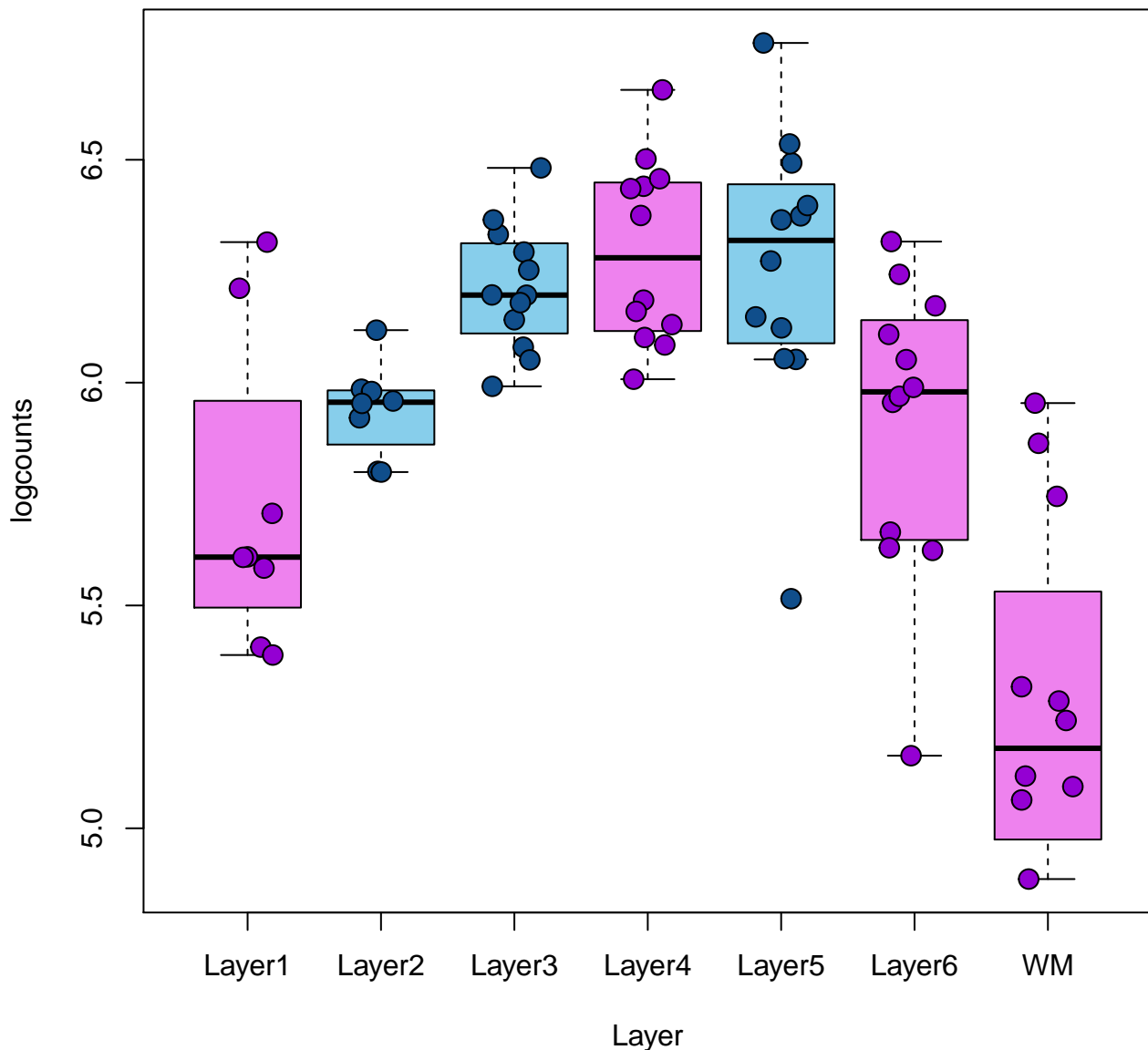
tstat 3.57e+00 p 6.19e-04 rank 2594



# RAC3 ENSG00000169750 mouse marker (BM)

Layer2+Layer3+Layer5 vs others

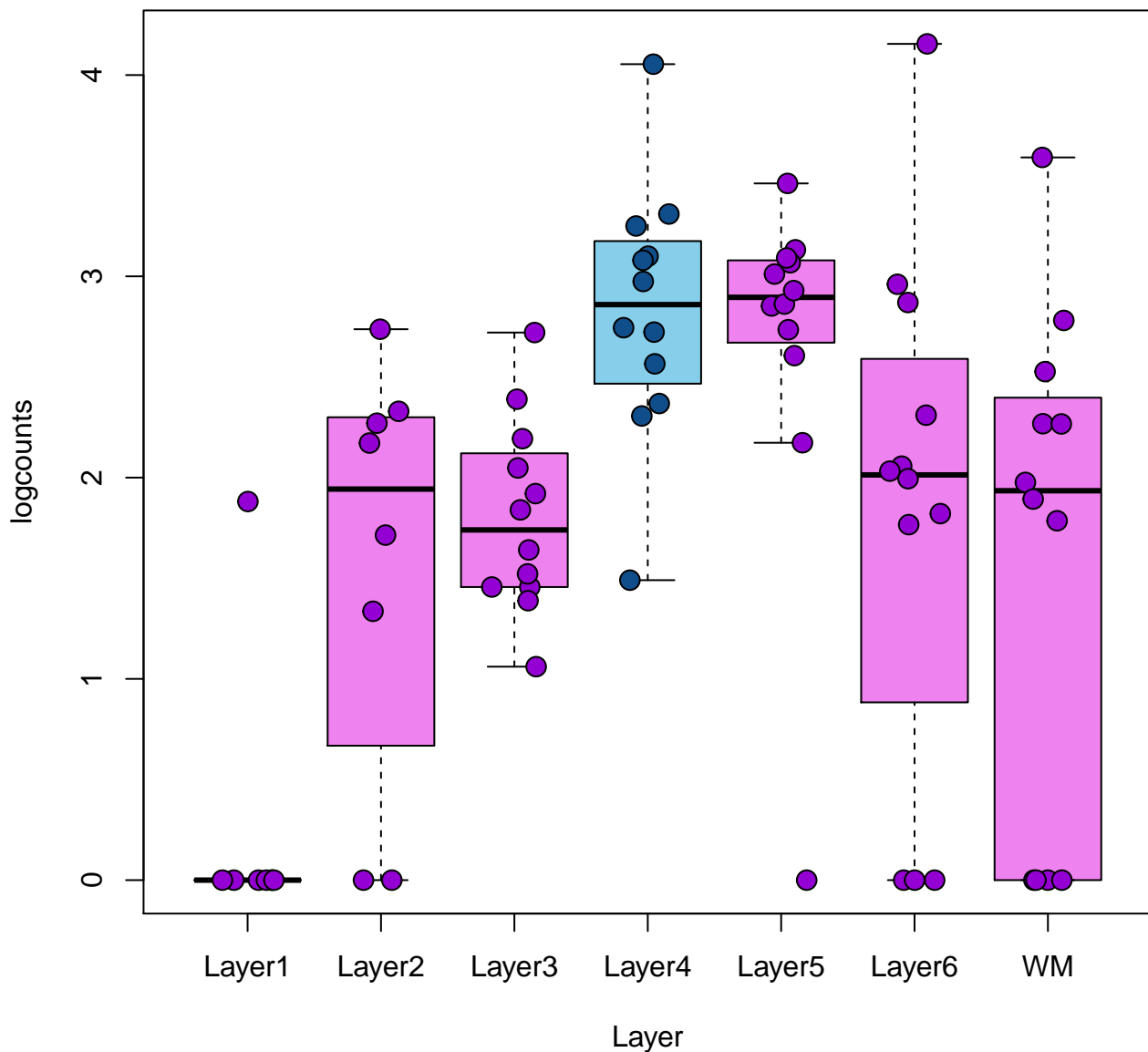
tstat 3.54e+00 p 6.90e-04 rank 2190



# PDYN ENSG00000101327 human marker (KM)

## Layer4 vs others

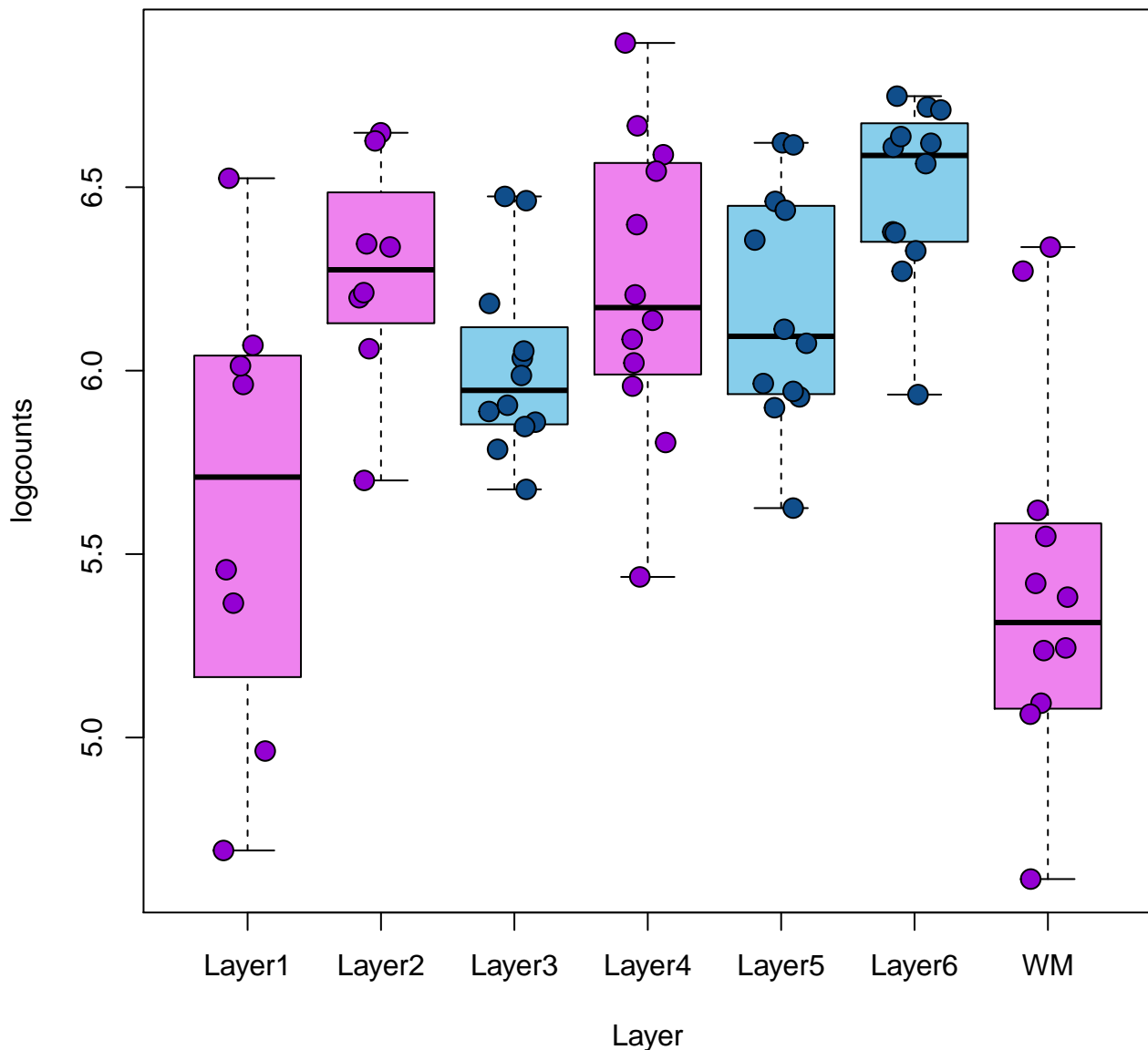
tstat 3.26e+00 p 1.65e-03 rank 738



# KCNA1 ENSG00000111262 human marker (KM)

Layer3+Layer5+Layer6 vs others

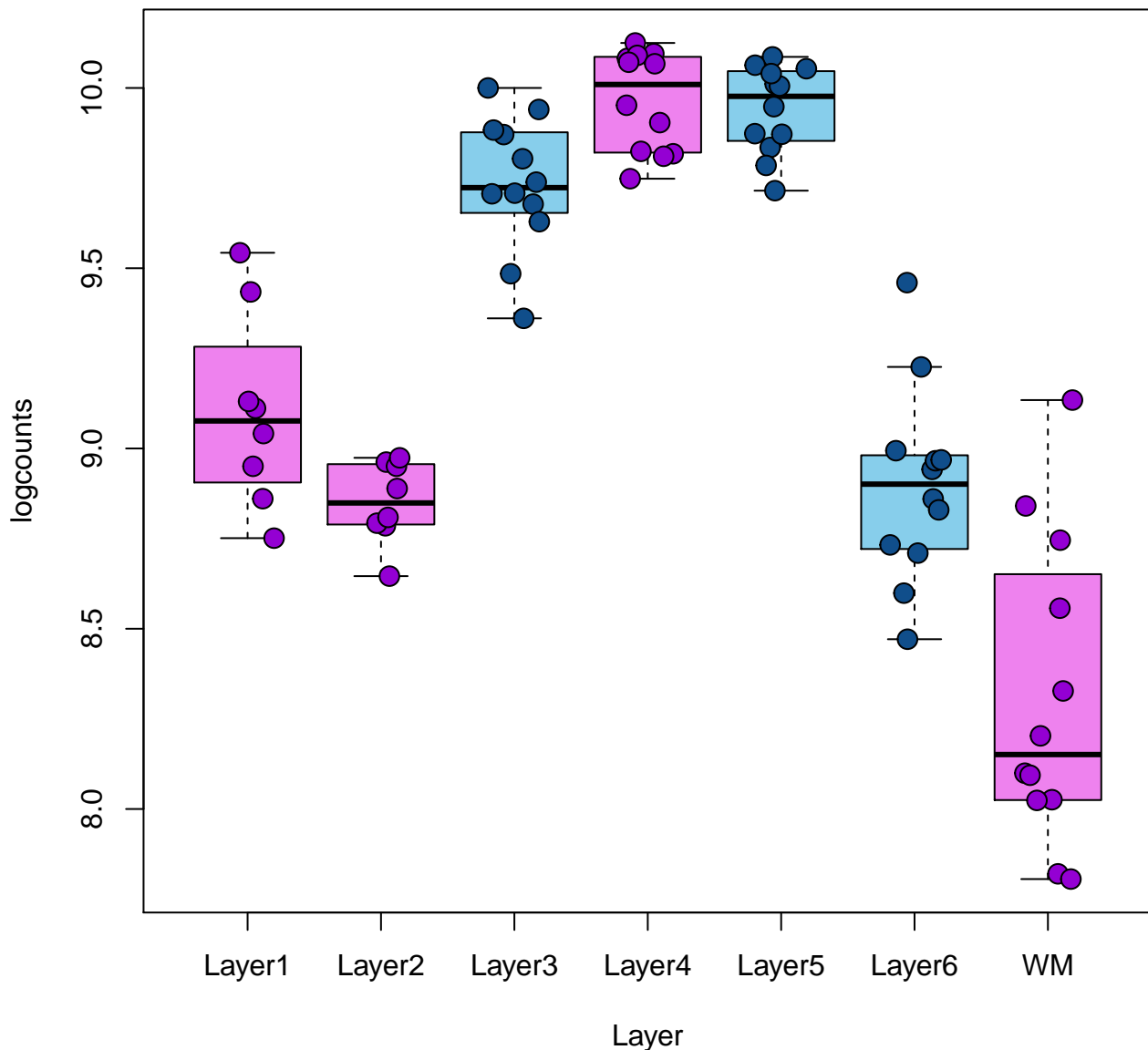
tstat 3.19e+00 p 2.06e-03 rank 1859



# SNCG ENSG00000173267 human marker (KM)

Layer3+Layer5+Layer6 vs others

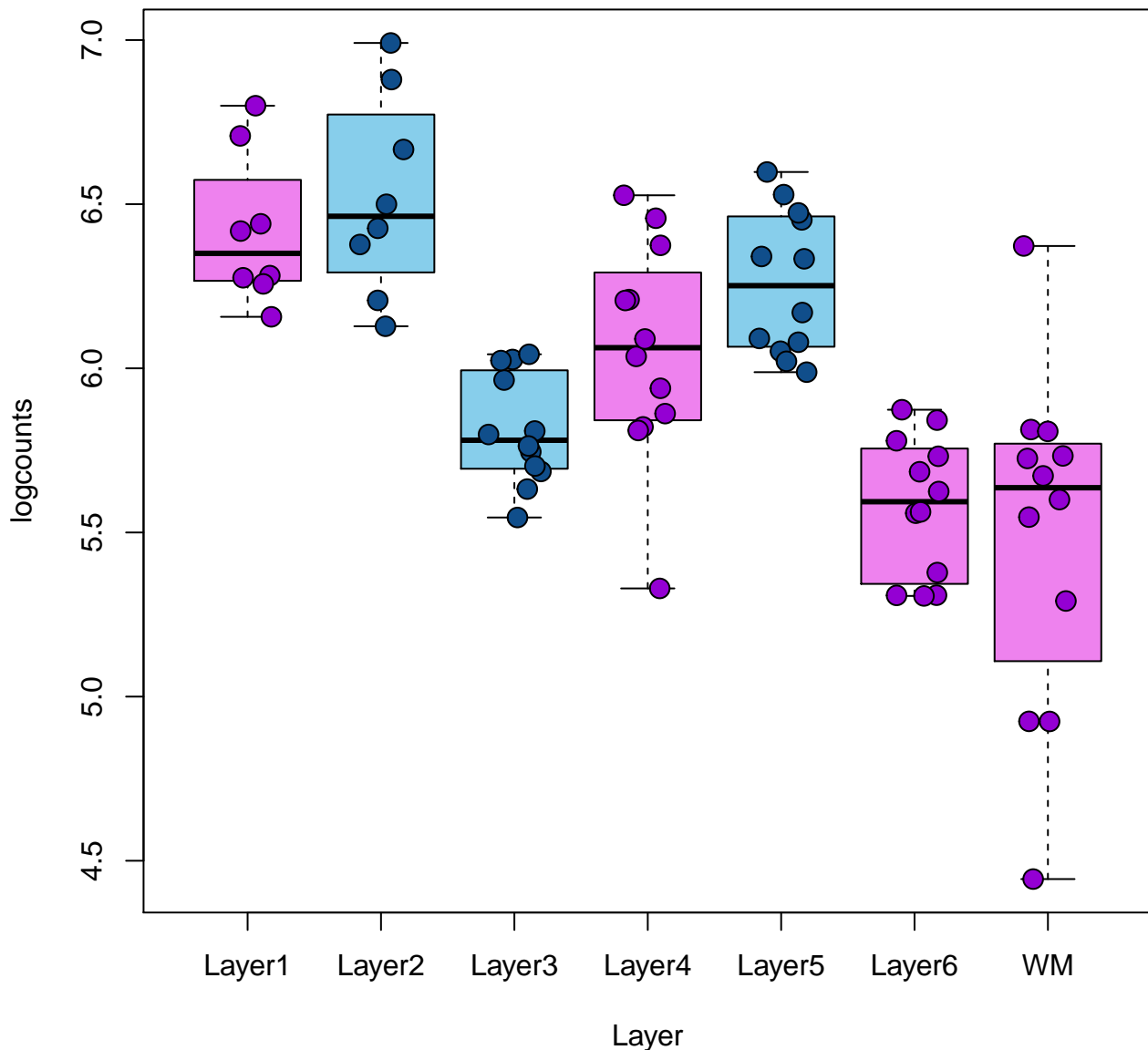
tstat 3.18e+00 p 2.15e-03 rank 1883



# SYT17 ENSG00000103528 mouse marker (KM)

Layer2+Layer3+Layer5 vs others

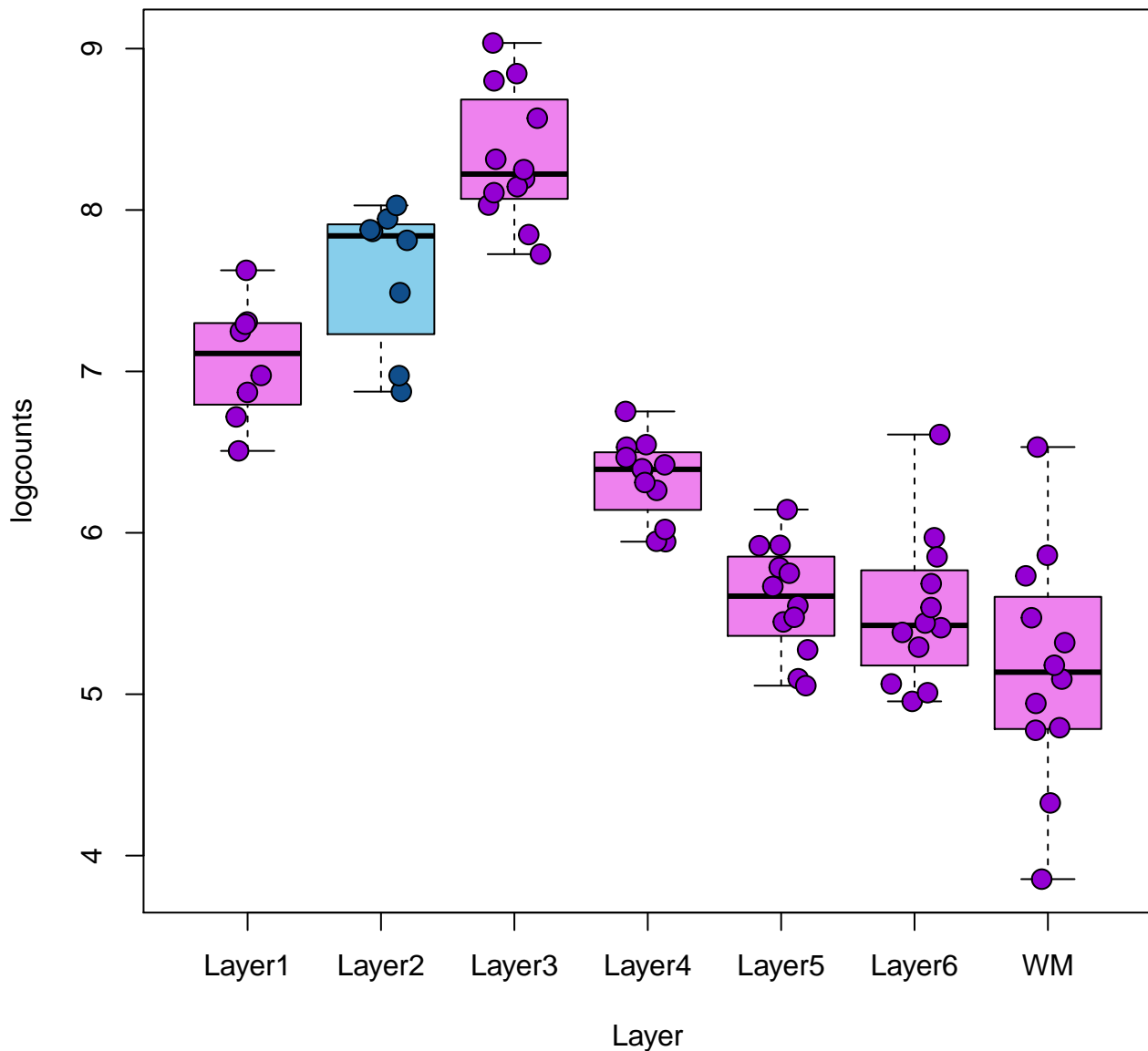
tstat 3.15e+00 p 2.30e-03 rank 3068



# CARTPT ENSG00000164326 mouse marker (KM)

Layer2 vs others

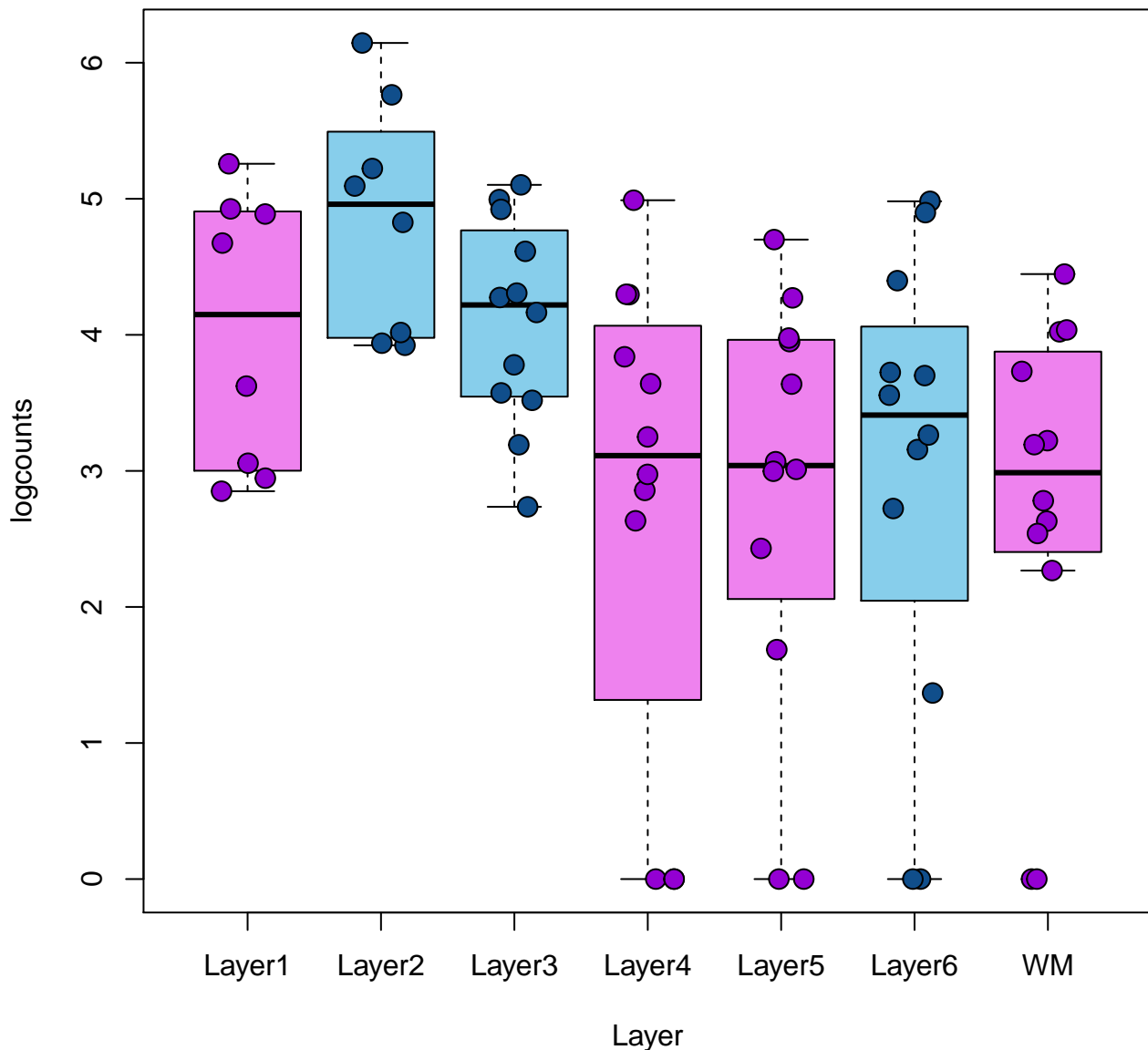
tstat 3.11e+00 p 2.59e-03 rank 1381



# KCNH4 ENSG00000089558 human marker (KM)

Layer2+Layer3+Layer6 vs others

tstat 3.06e+00 p 3.03e-03 rank 1937

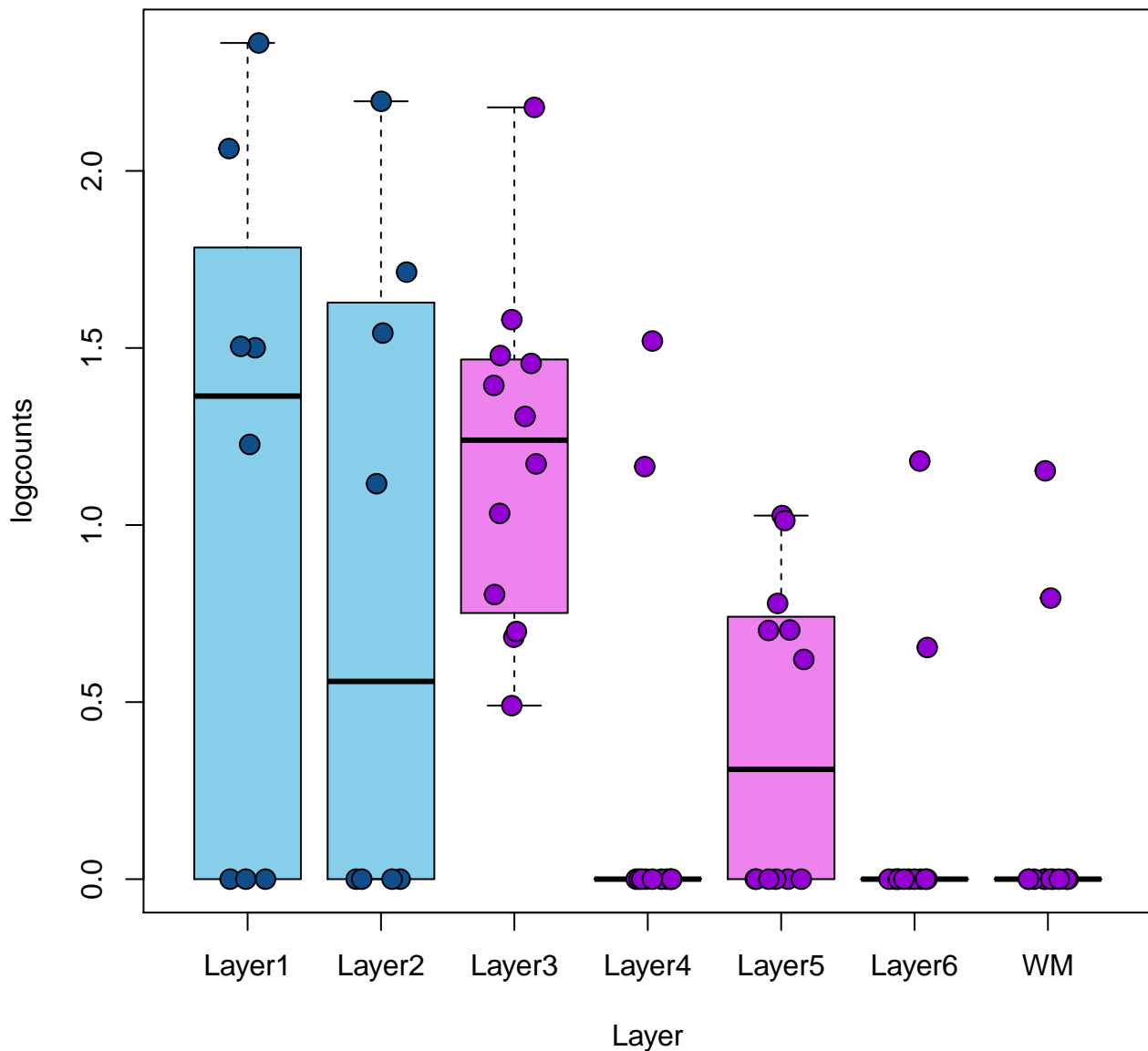




# CHRNA7 ENSG00000175344 mouse marker (KM)

Layer1+Layer2 vs others

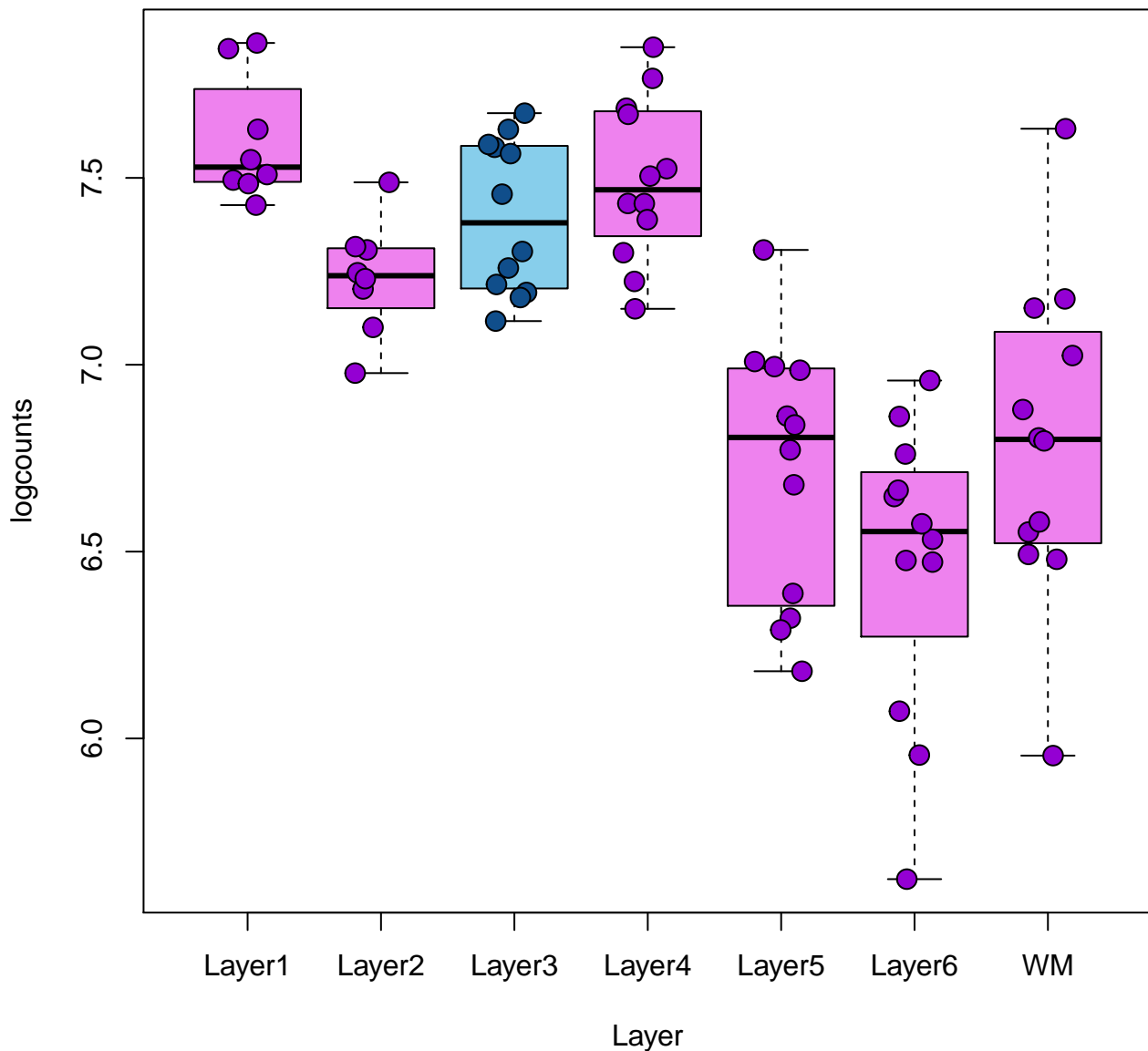
tstat 2.89e+00 p 5.05e-03 rank 2662



# MFG8 ENSG00000140545 human marker (KM)

Layer3 vs others

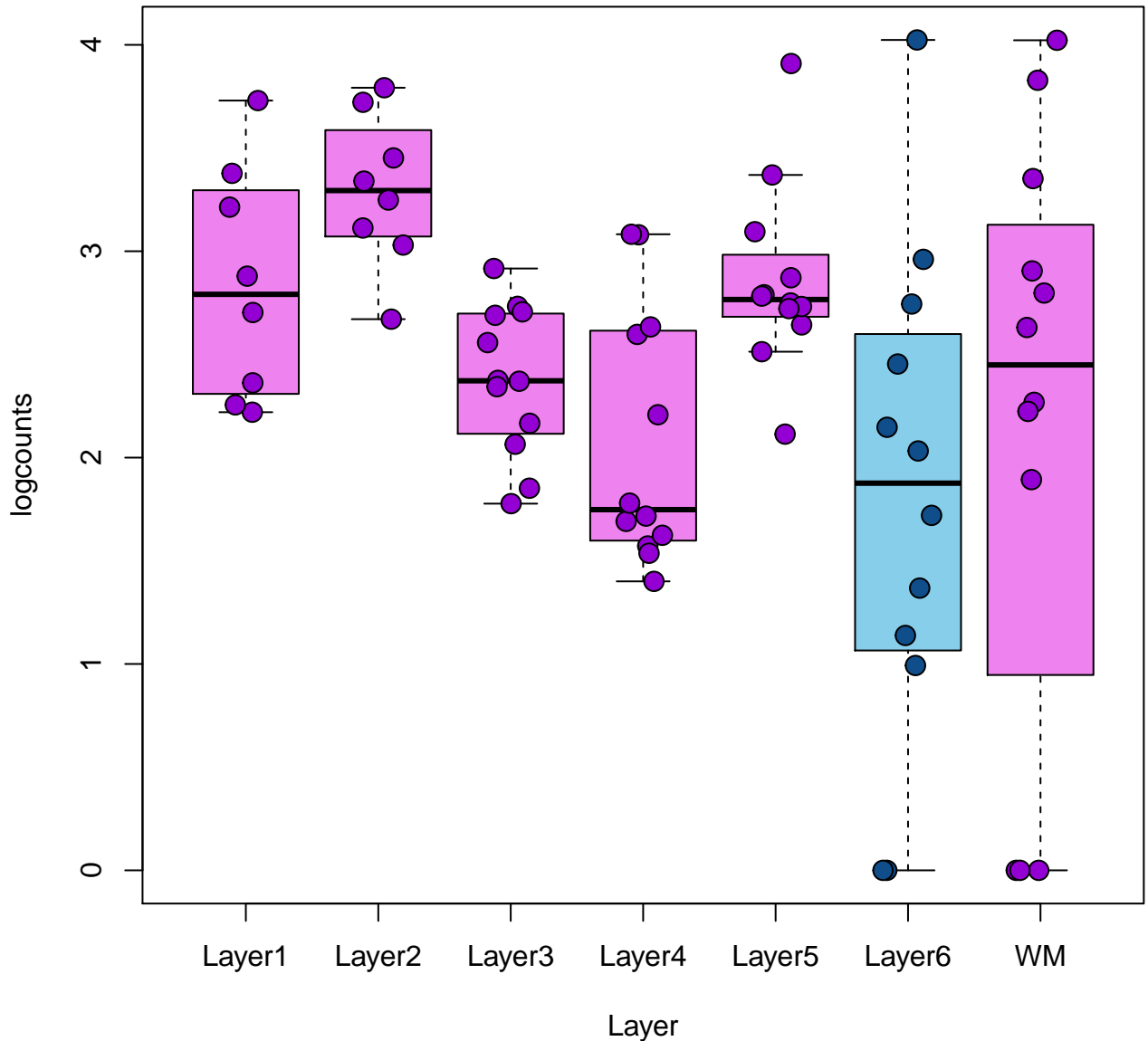
tstat 2.81e+00 p 6.23e-03 rank 912



# LXN ENSG00000079257 mouse marker (BM)

Layer6 vs others

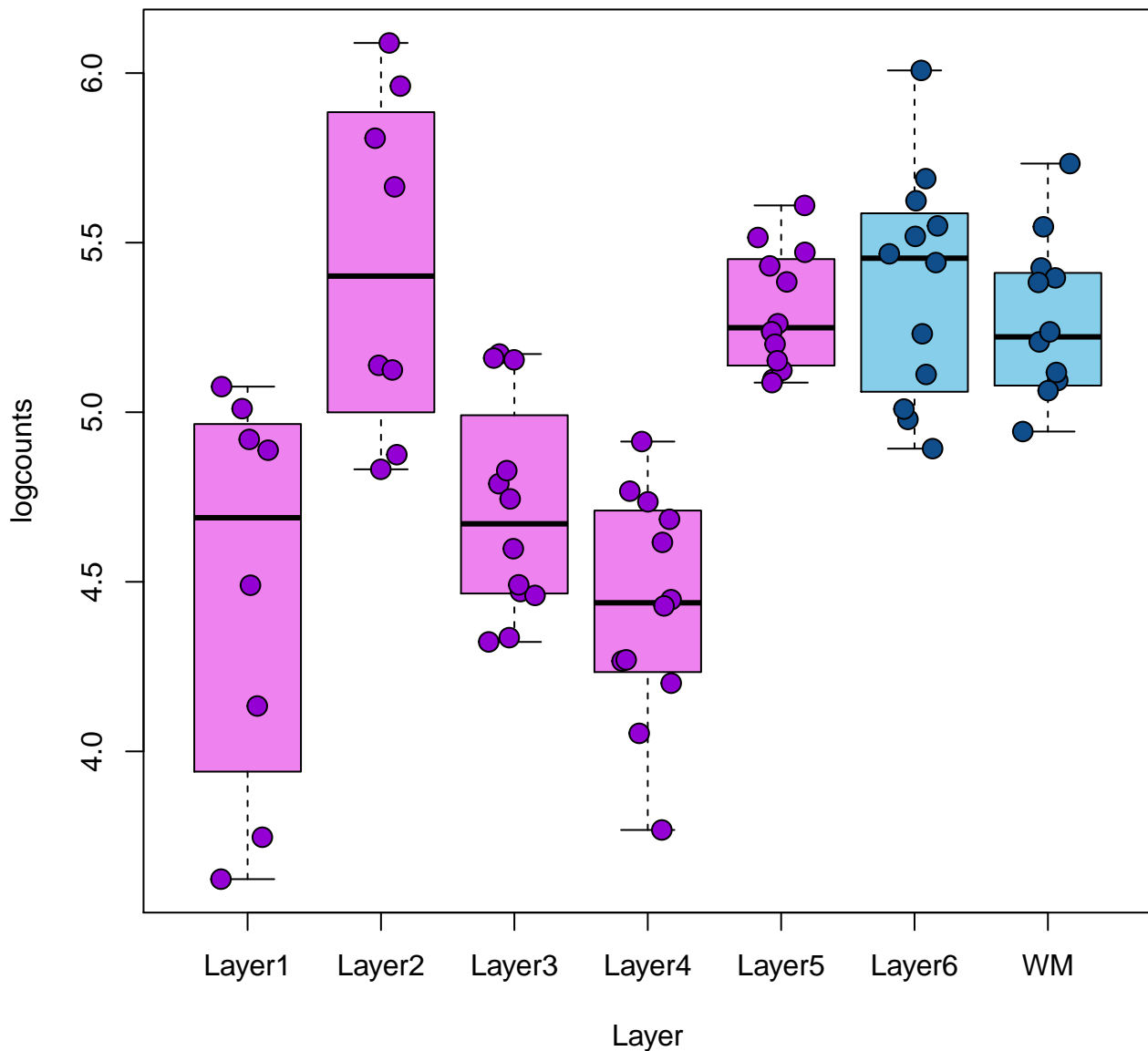
tstat -2.72e+00 p 7.99e-03 rank 1027



# ADRA2A ENSG00000150594 mouse marker (KM)

Layer6+WM vs others

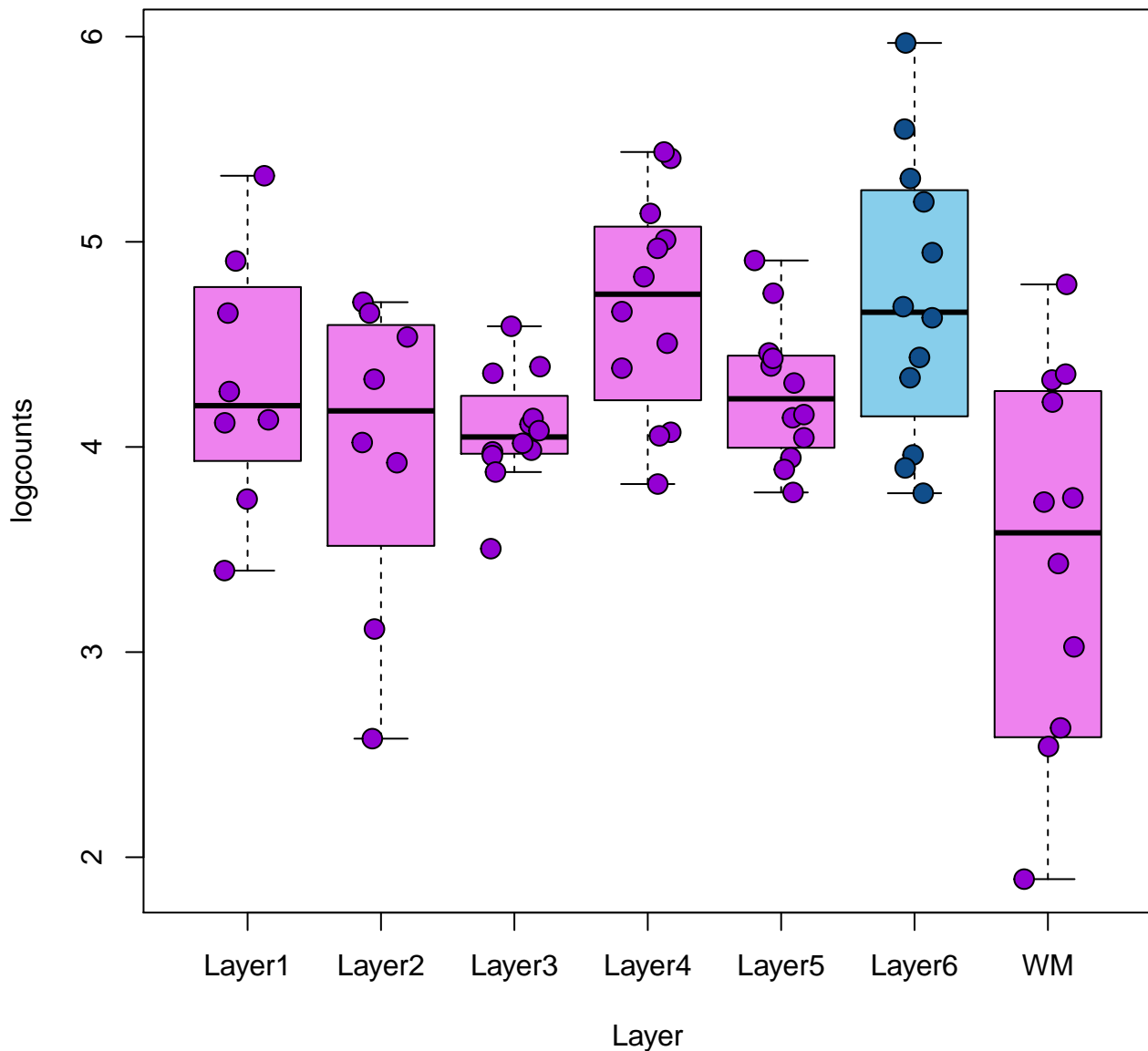
tstat 2.70e+00 p 8.51e-03 rank 6346



# AKR1C2 ENSG00000151632 human marker (KM)

## Layer6 vs others

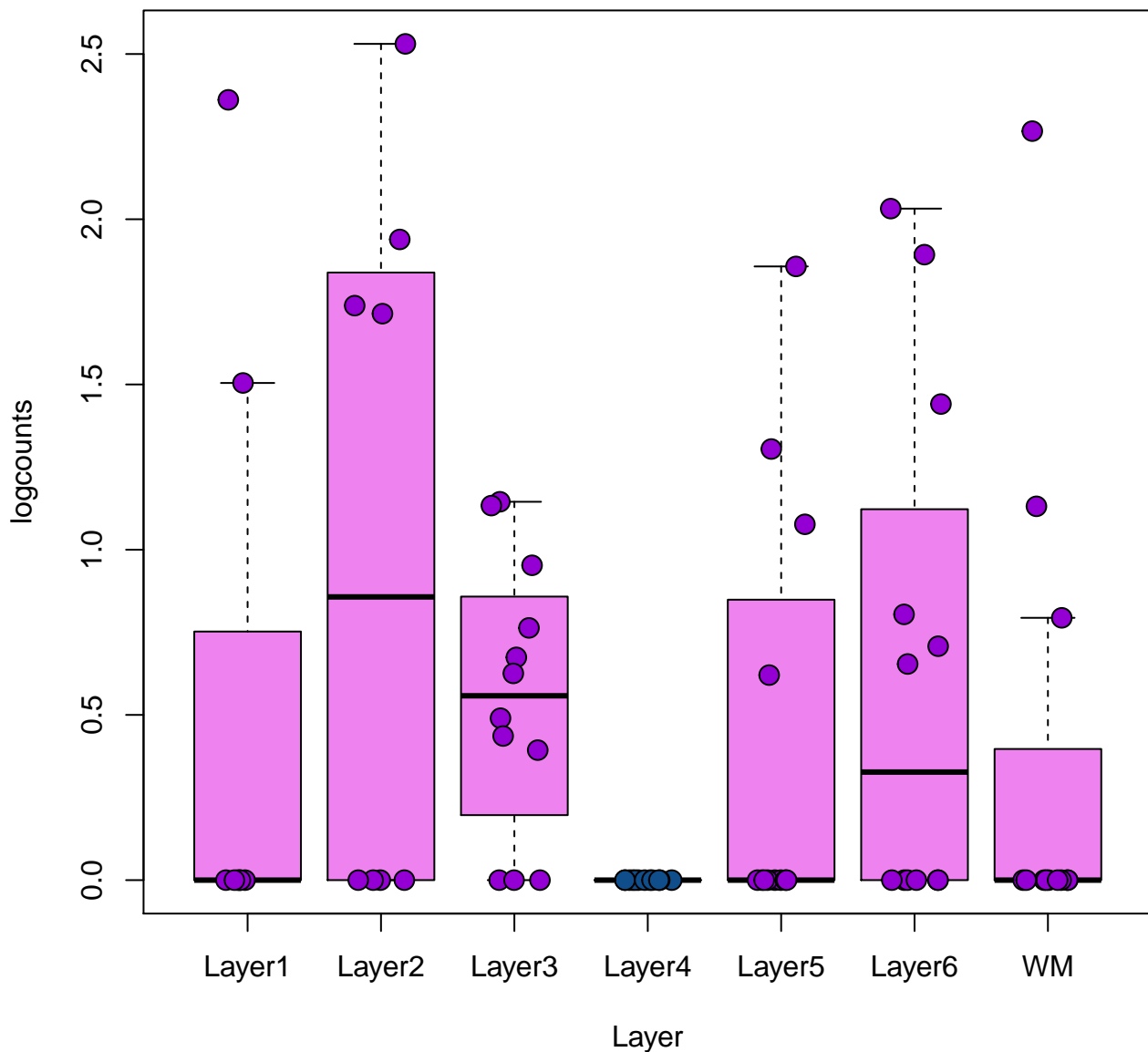
tstat 2.59e+00 p 1.15e-02 rank 1252



# CHRNA3 ENSG00000080644 human marker (KM)

Layer4 vs others

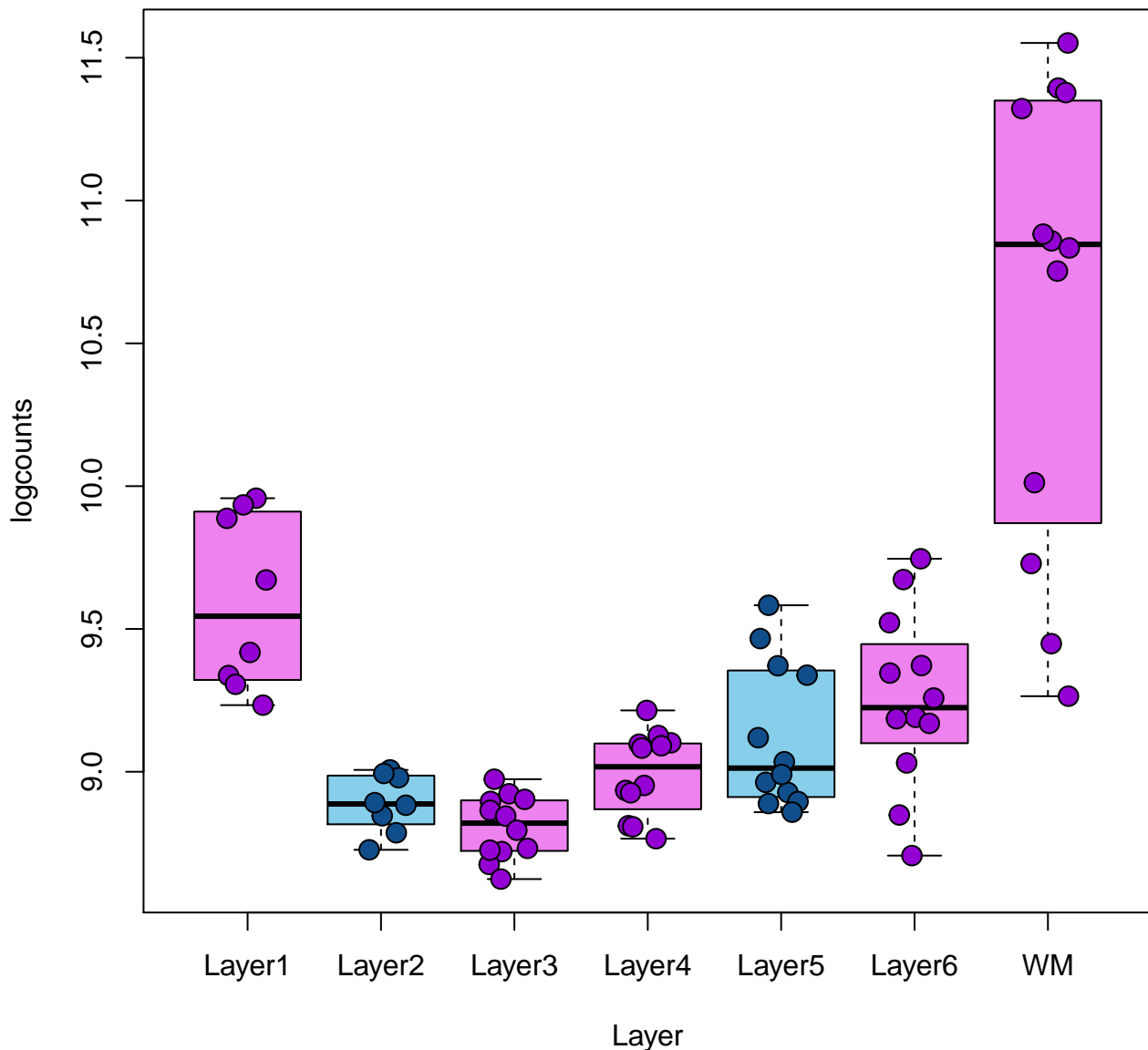
tstat  $-2.54e+00$  p  $1.30e-02$  rank 1977



# MARCKSL1 ENSG00000175130 mouse marker (BM)

Layer2+Layer5 vs others

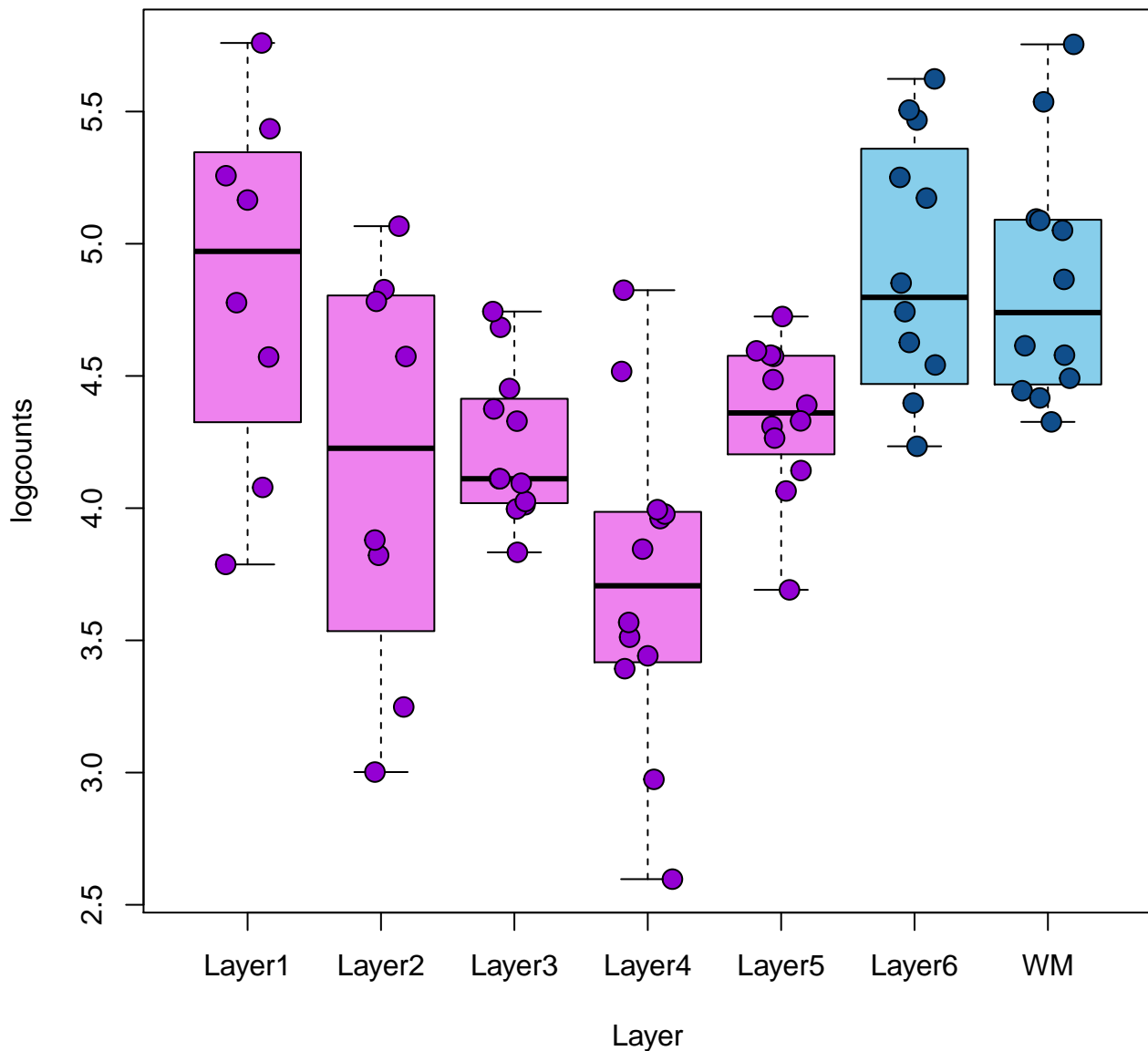
tstat  $-2.52e+00$  p  $1.37e-02$  rank 2225



# CYR61 ENSG00000142871 mouse marker (KM)

Layer6+WM vs others

tstat 2.49e+00 p 1.51e-02 rank 7082

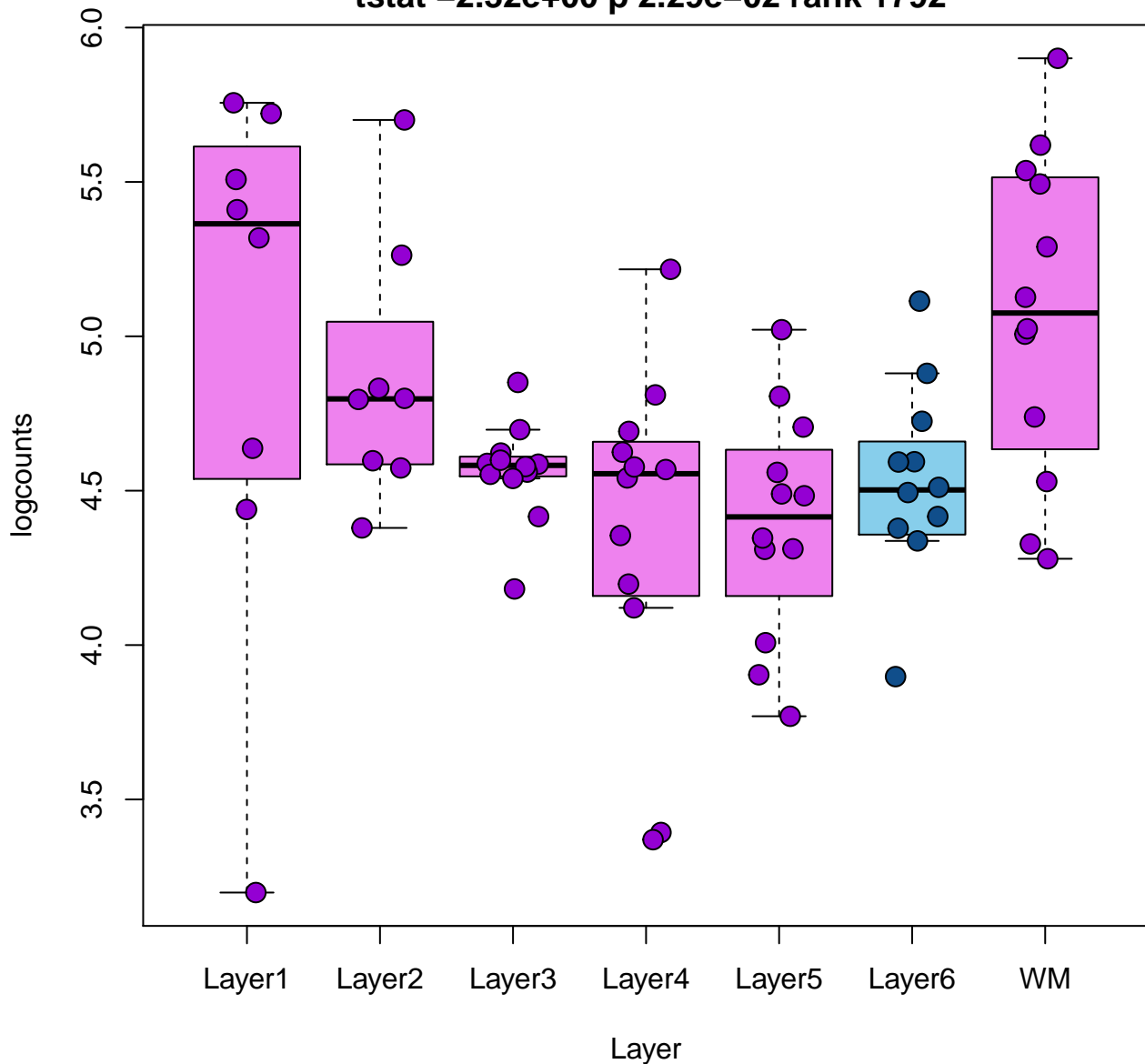




# AKR1C3 ENSG00000196139 human marker (KM)

Layer6 vs others

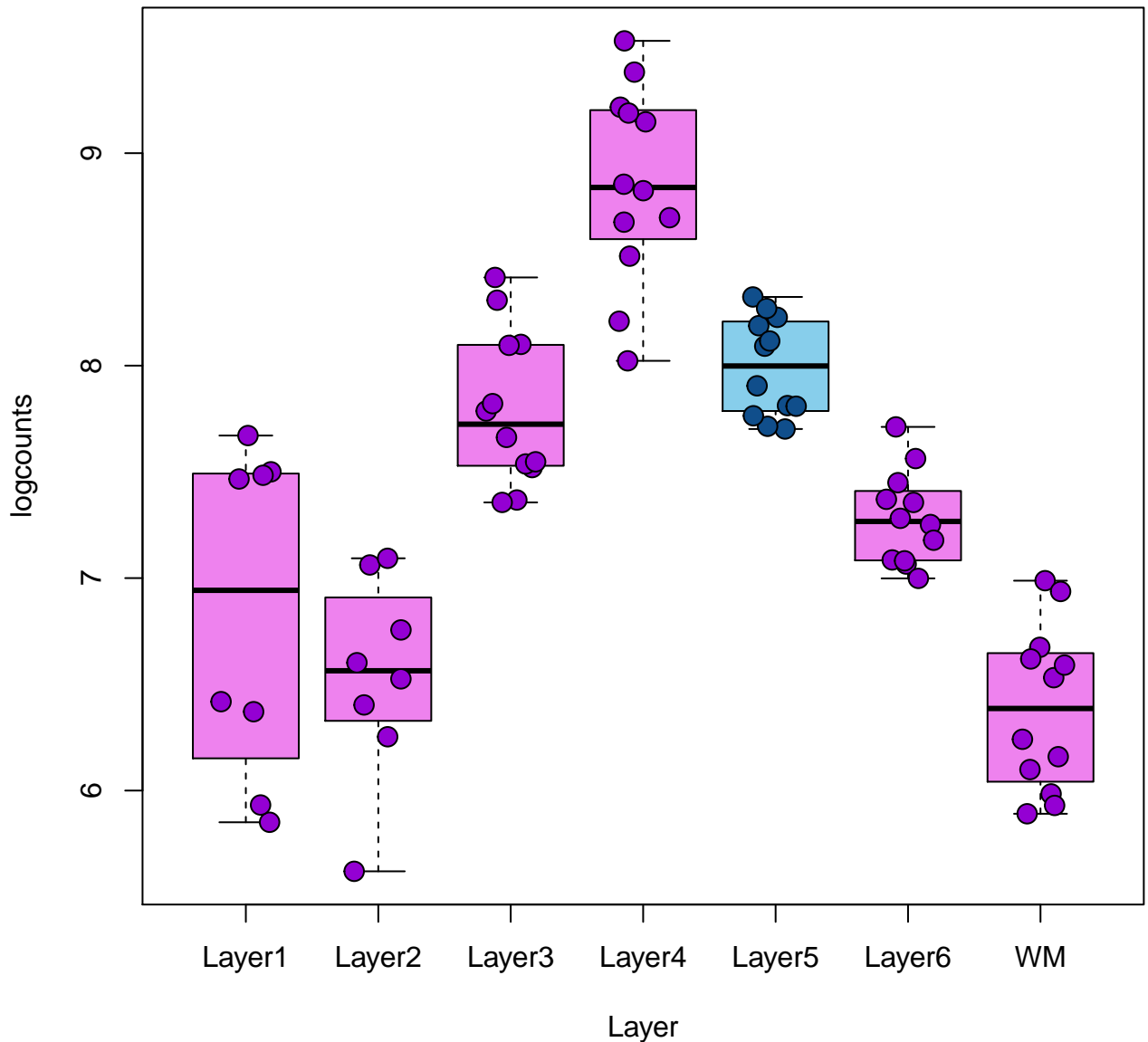
tstat -2.32e+00 p 2.29e-02 rank 1792



# NEFH ENSG00000100285 mouse marker (BM)

## Layer5 vs others

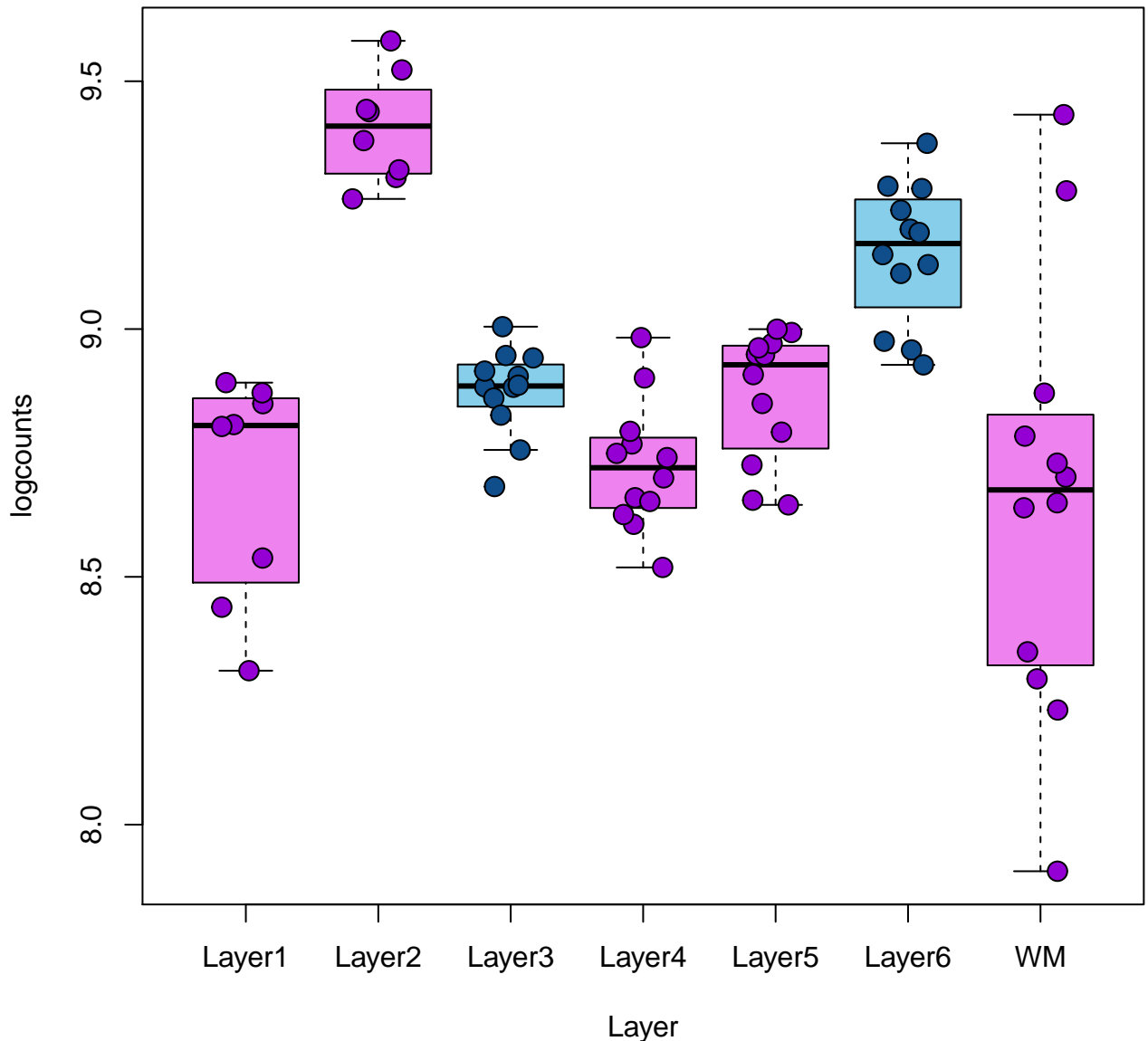
tstat 2.30e+00 p 2.43e-02 rank 2159



# LMO3 ENSG00000048540 mouse marker (BM)

Layer3+Layer6 vs others

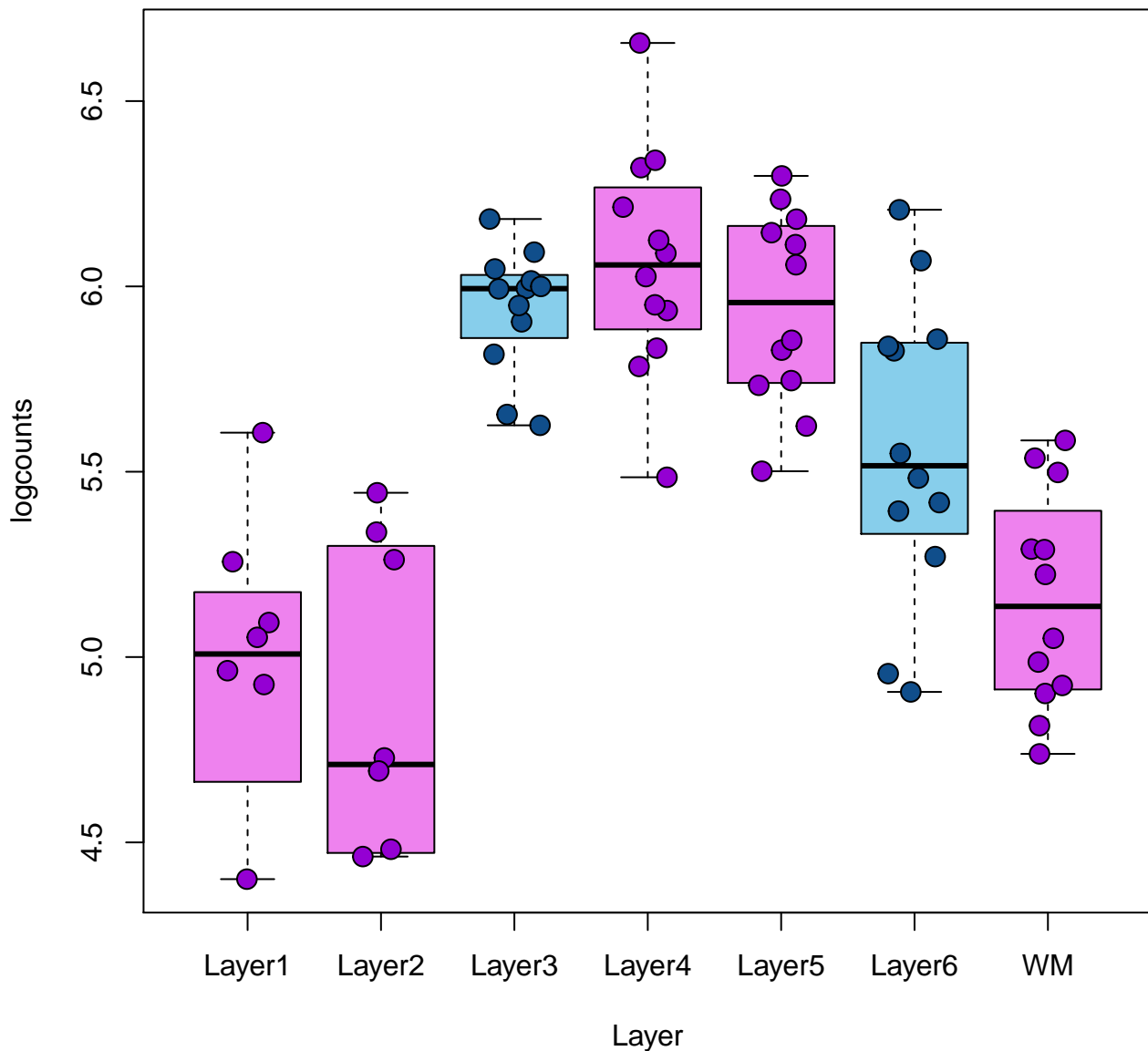
tstat 2.30e+00 p 2.44e-02 rank 1708



# TMEM163 ENSG00000152128 mouse marker (KM)

Layer3+Layer6 vs others

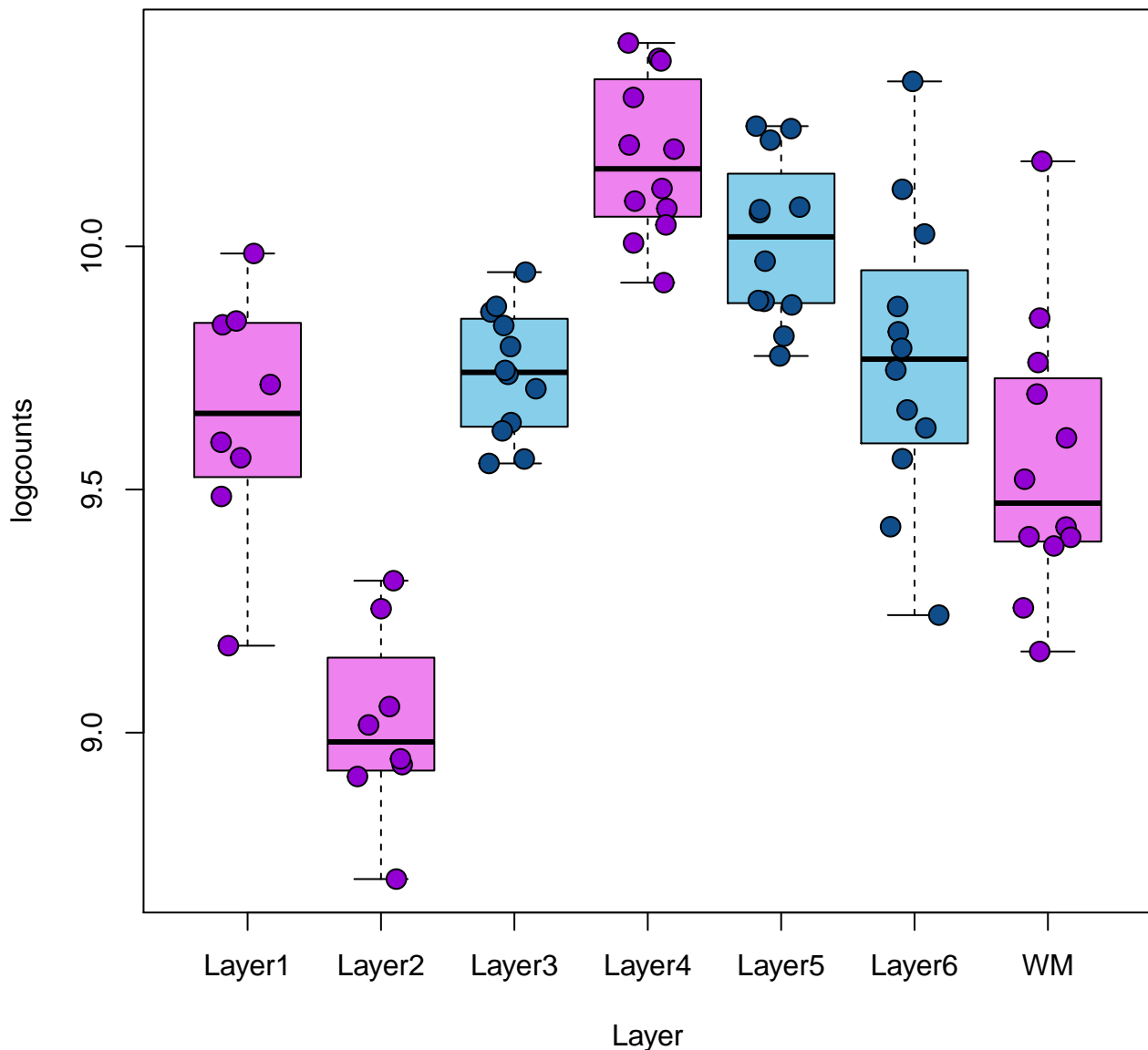
tstat 2.12e+00 p 3.72e-02 rank 2282



# LGALS1 ENSG00000100097 human marker (KM)

Layer3+Layer5+Layer6 vs others

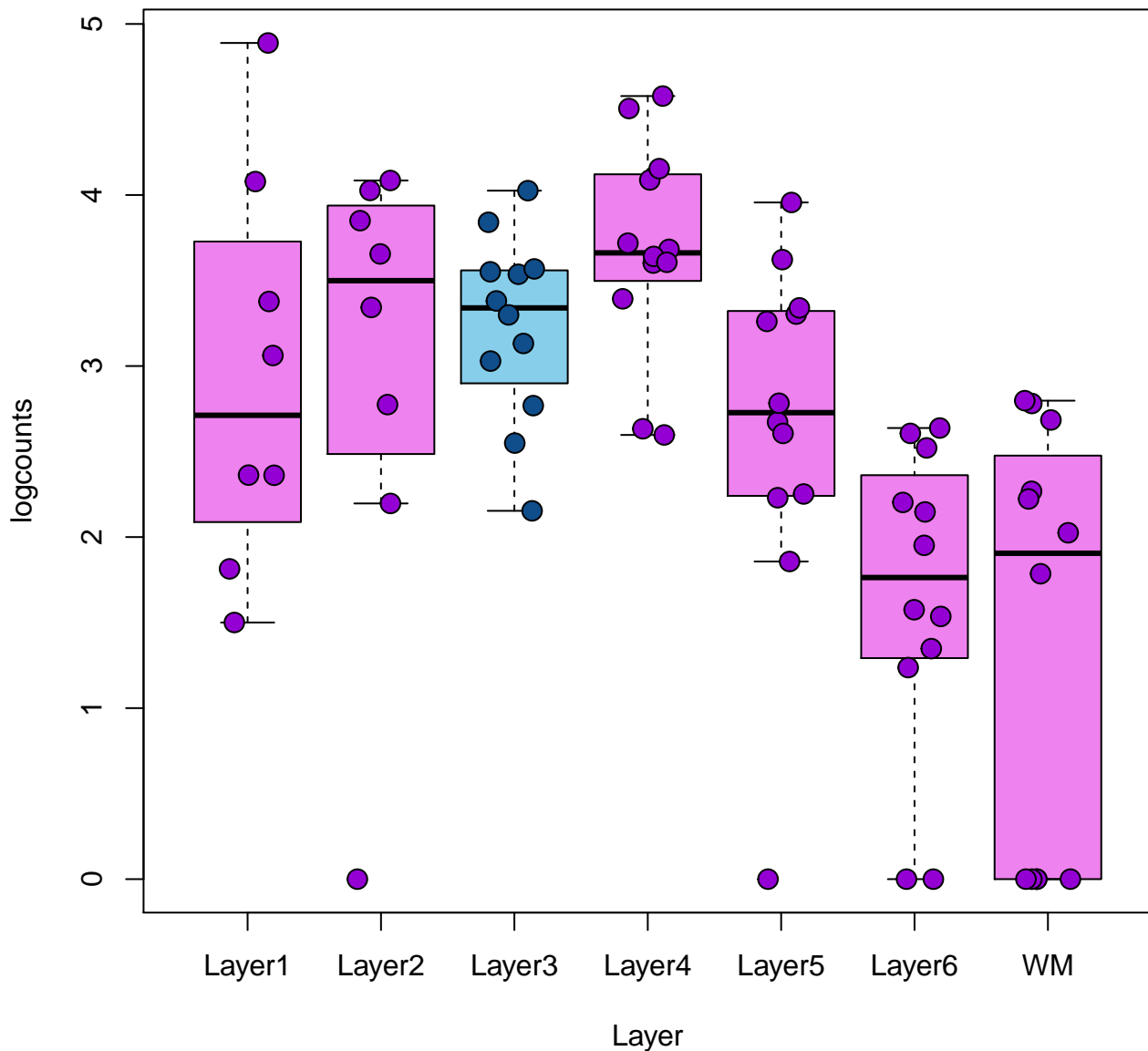
tstat 2.11e+00 p 3.78e-02 rank 5142



# PRSS12 ENSG00000164099 mouse marker (KM)

## Layer3 vs others

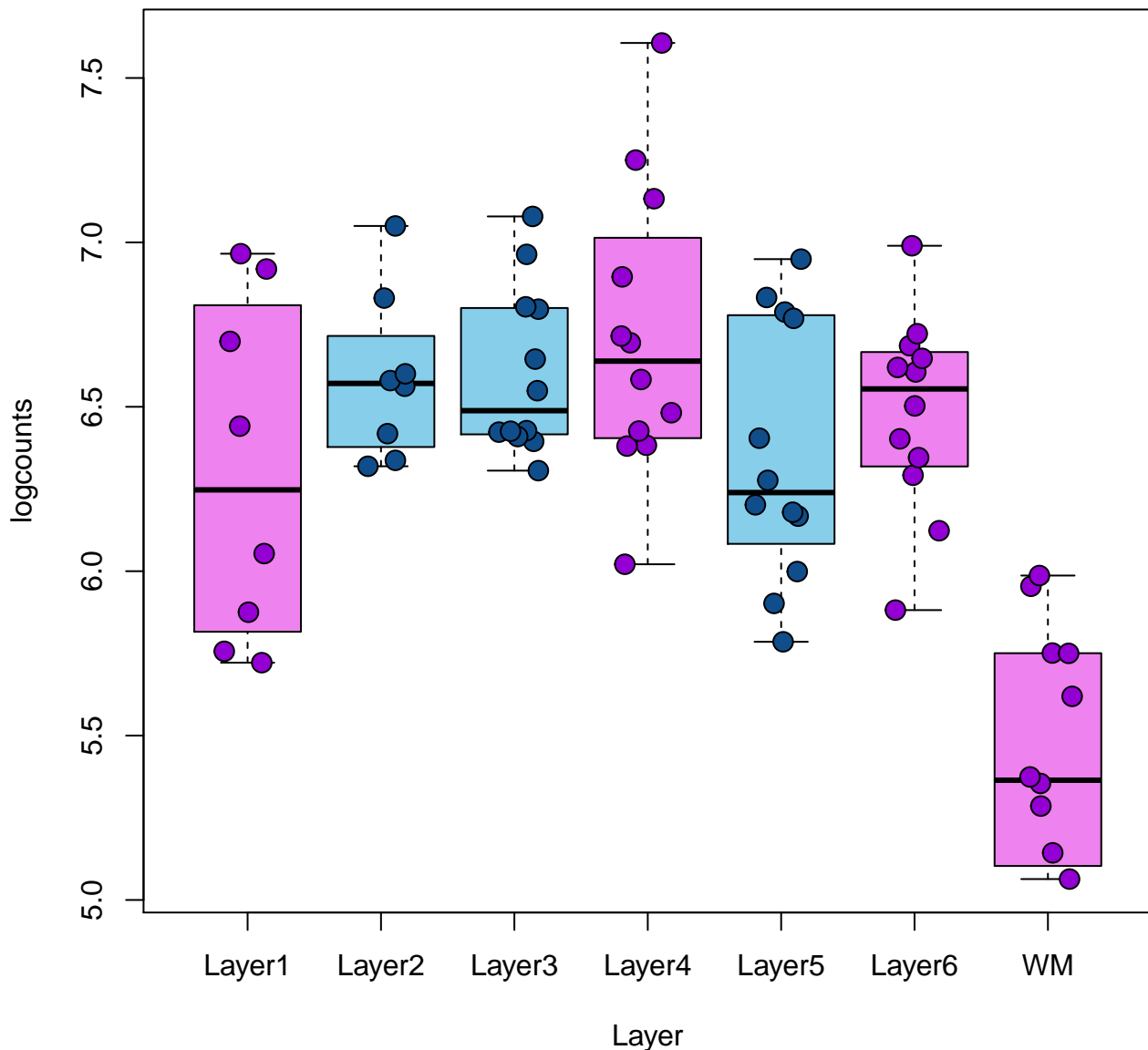
tstat 2.10e+00 p 3.93e-02 rank 2678



# SCN4B ENSG00000177098 mouse marker (KM)

Layer2+Layer3+Layer5 vs others

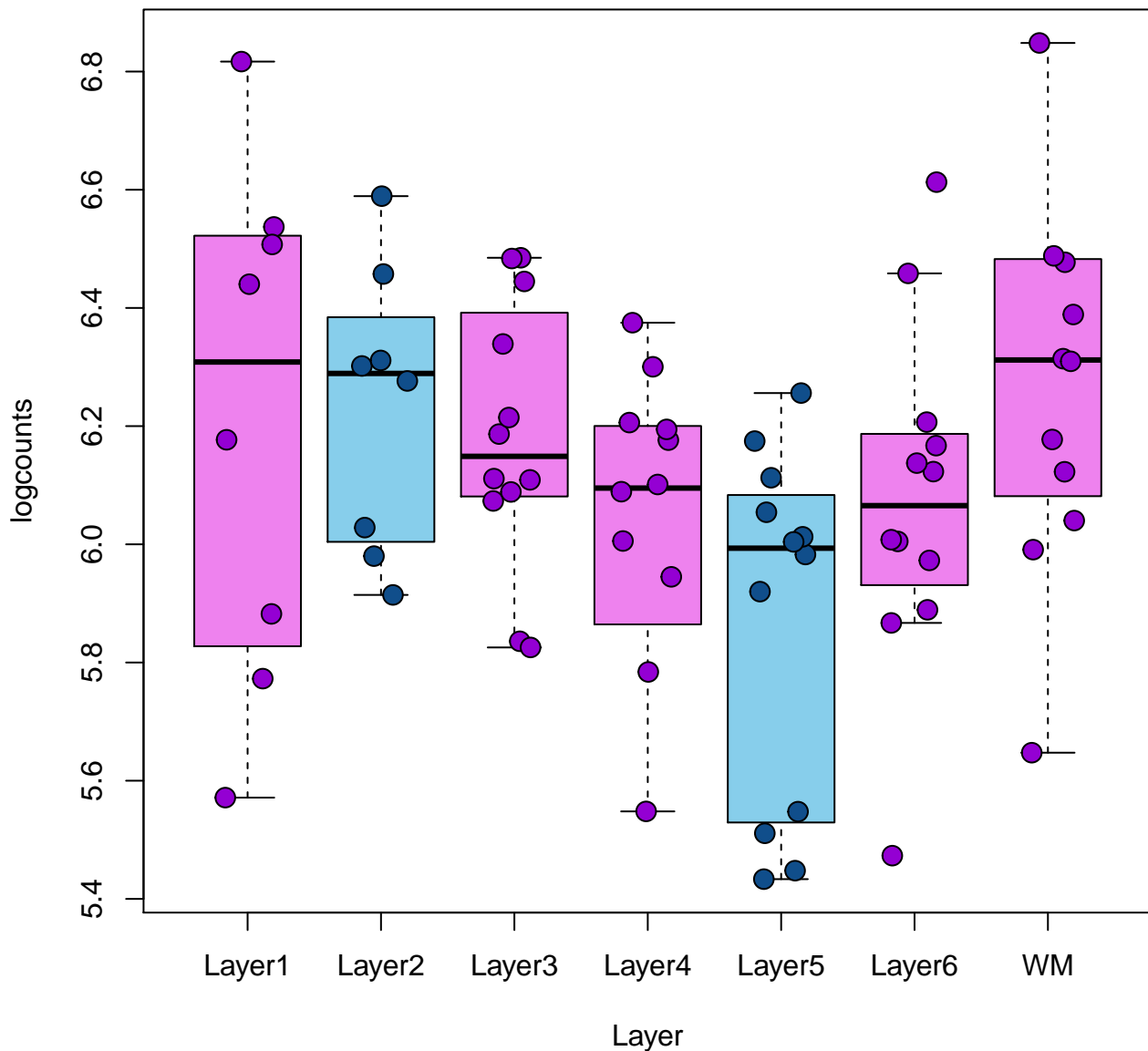
tstat 2.07e+00 p 4.18e-02 rank 6908



# PLXND1 ENSG00000004399 mouse marker (BM)

Layer2+Layer5 vs others

tstat  $-2.03e+00$  p  $4.61e-02$  rank 4106

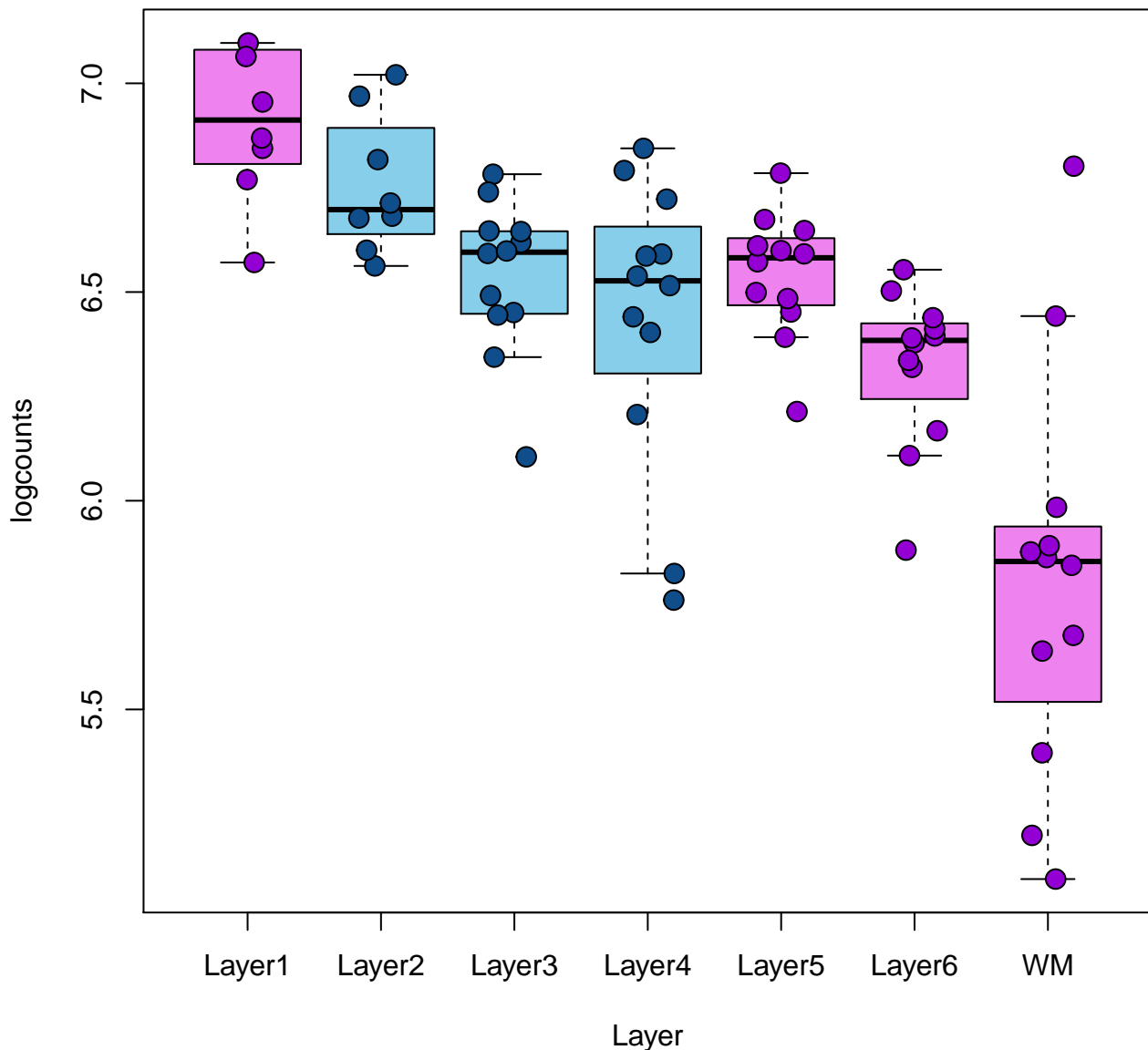




# LHX2 ENSG00000106689 mouse marker (BM)

Layer2+Layer3+Layer4 vs others

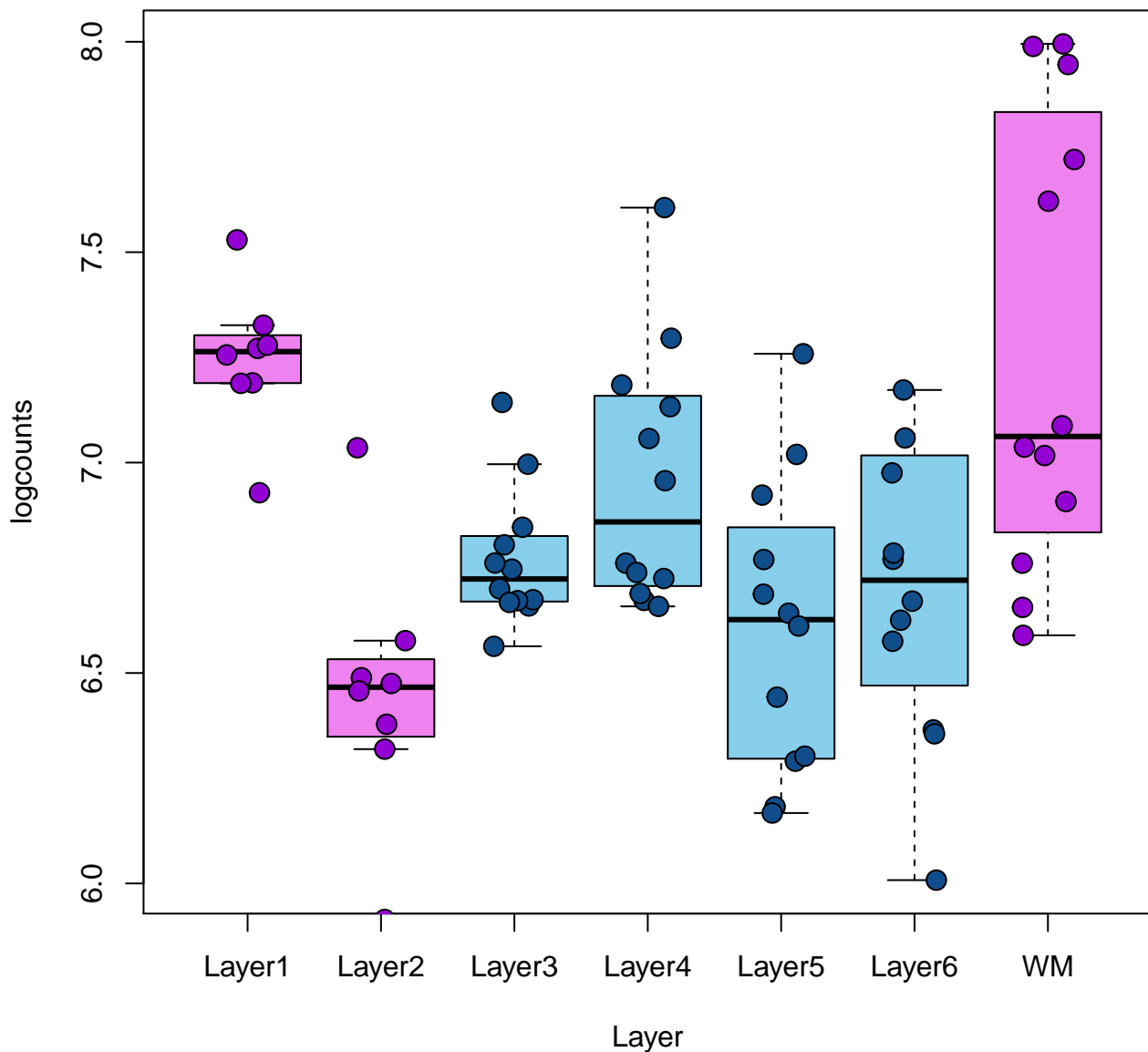
tstat 2.02e+00 p 4.73e-02 rank 7536



# COL6A1 ENSG00000142156 mouse marker (KM)

Layer3+Layer4+Layer5+Layer6 vs others

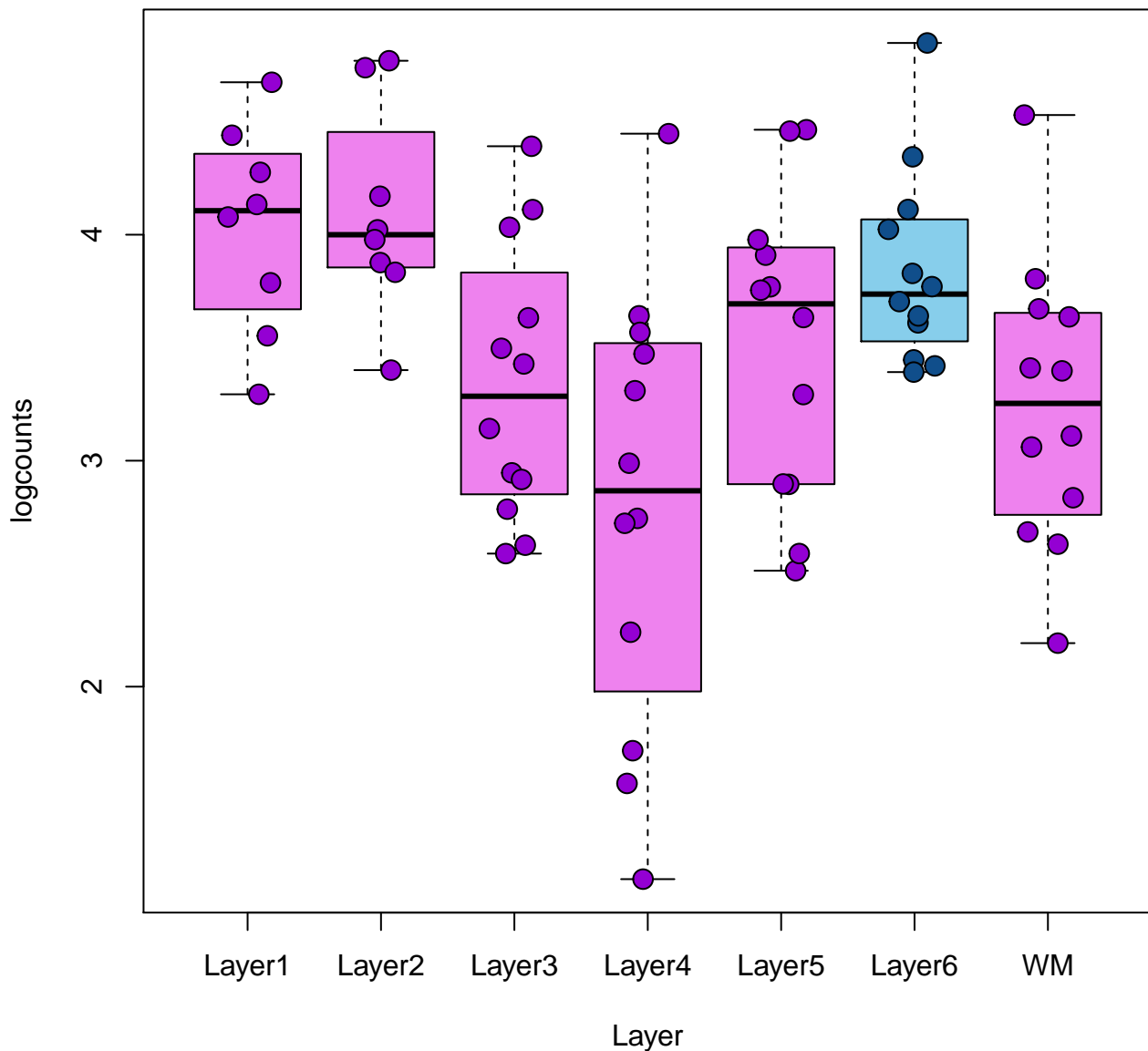
tstat -2.01e+00 p 4.77e-02 rank 8605



# NR4A3 ENSG00000119508 mouse marker (BM)

## Layer6 vs others

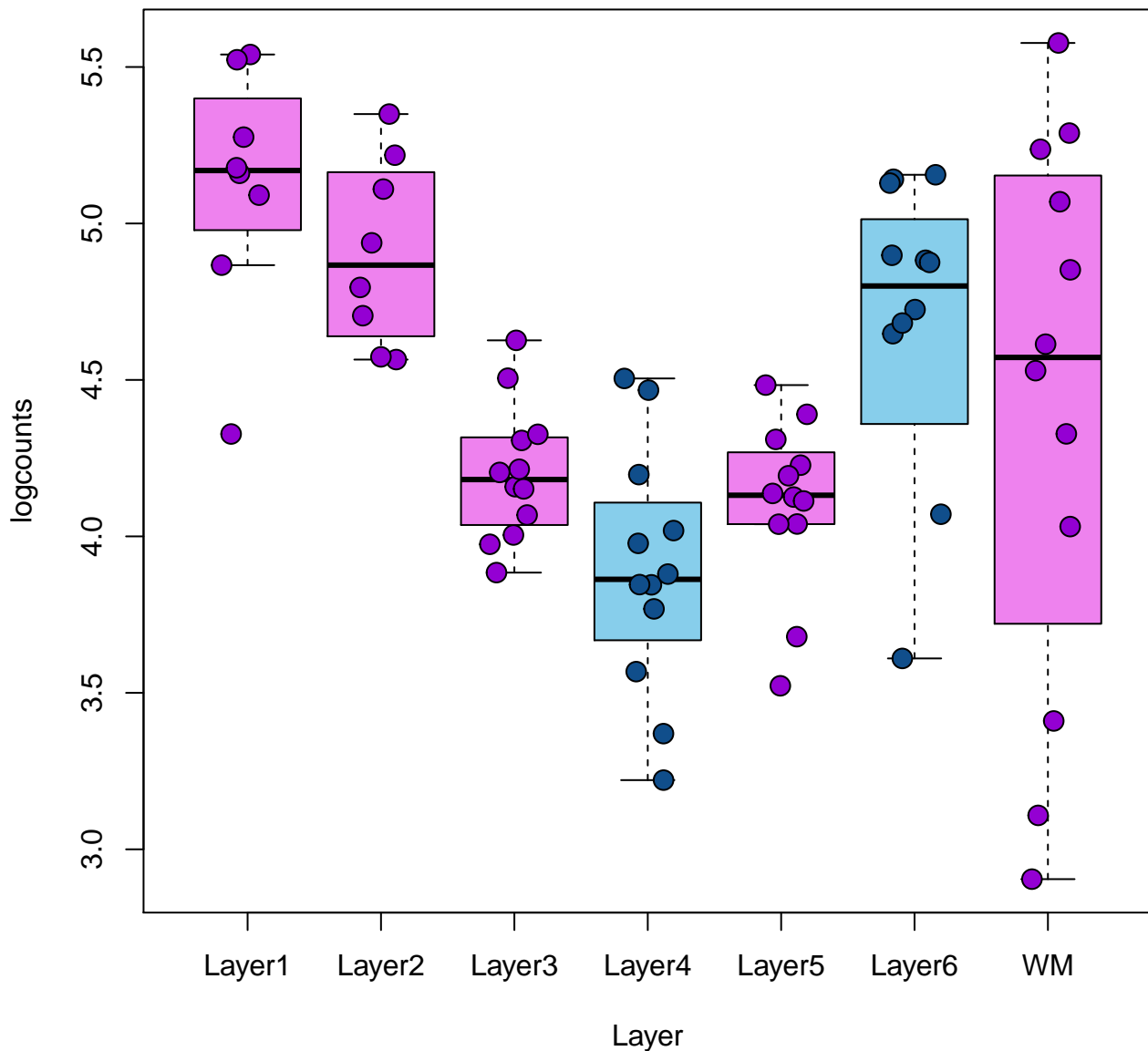
tstat 1.99e+00 p 5.01e-02 rank 2753



# GRIK4 ENSG00000149403 human marker (KM)

Layer4+Layer6 vs others

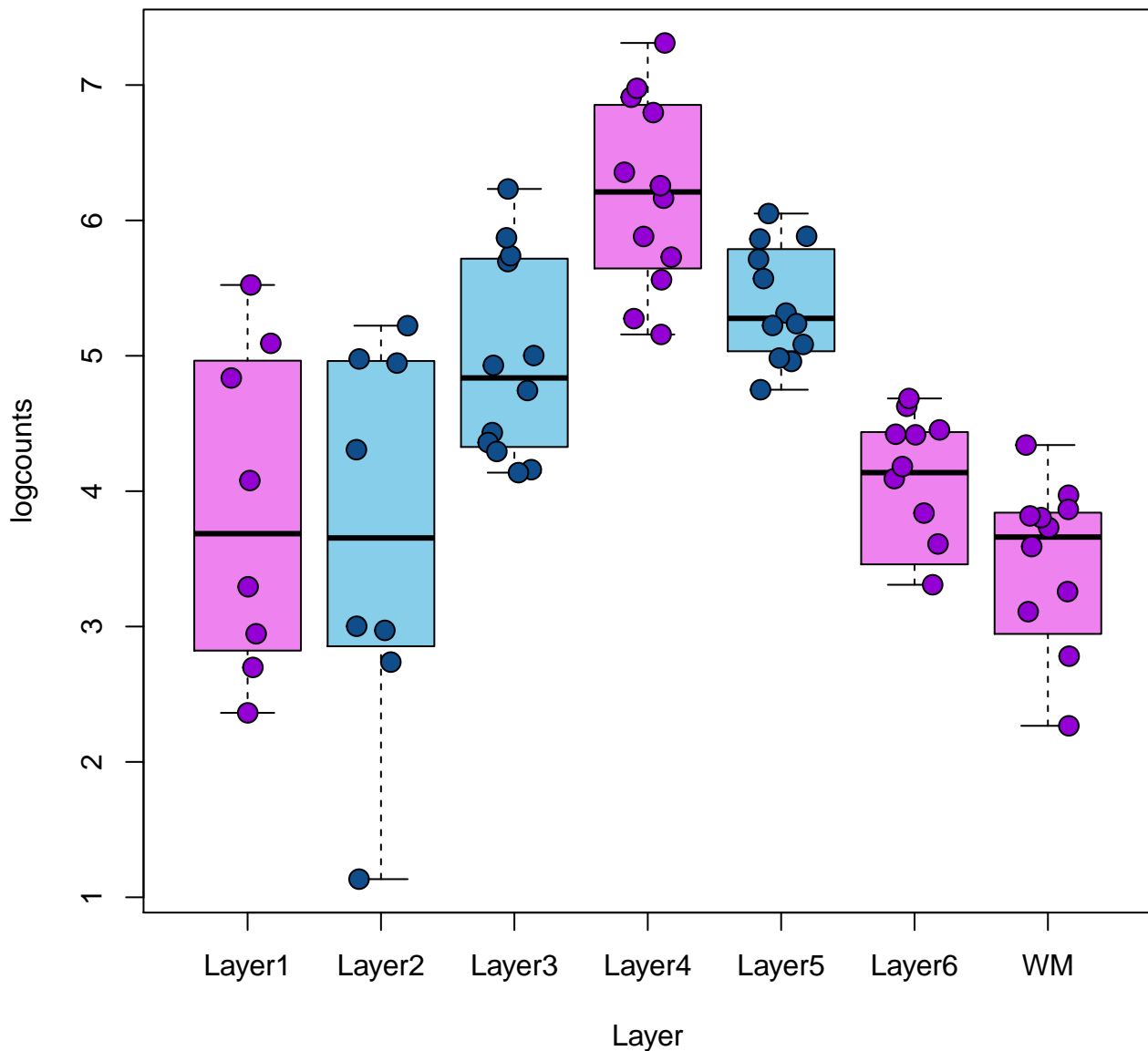
tstat  $-1.94e+00$  p  $5.55e-02$  rank 4155



# SYT2 ENSG00000143858 mouse marker (KM)

Layer2+Layer3+Layer5 vs others

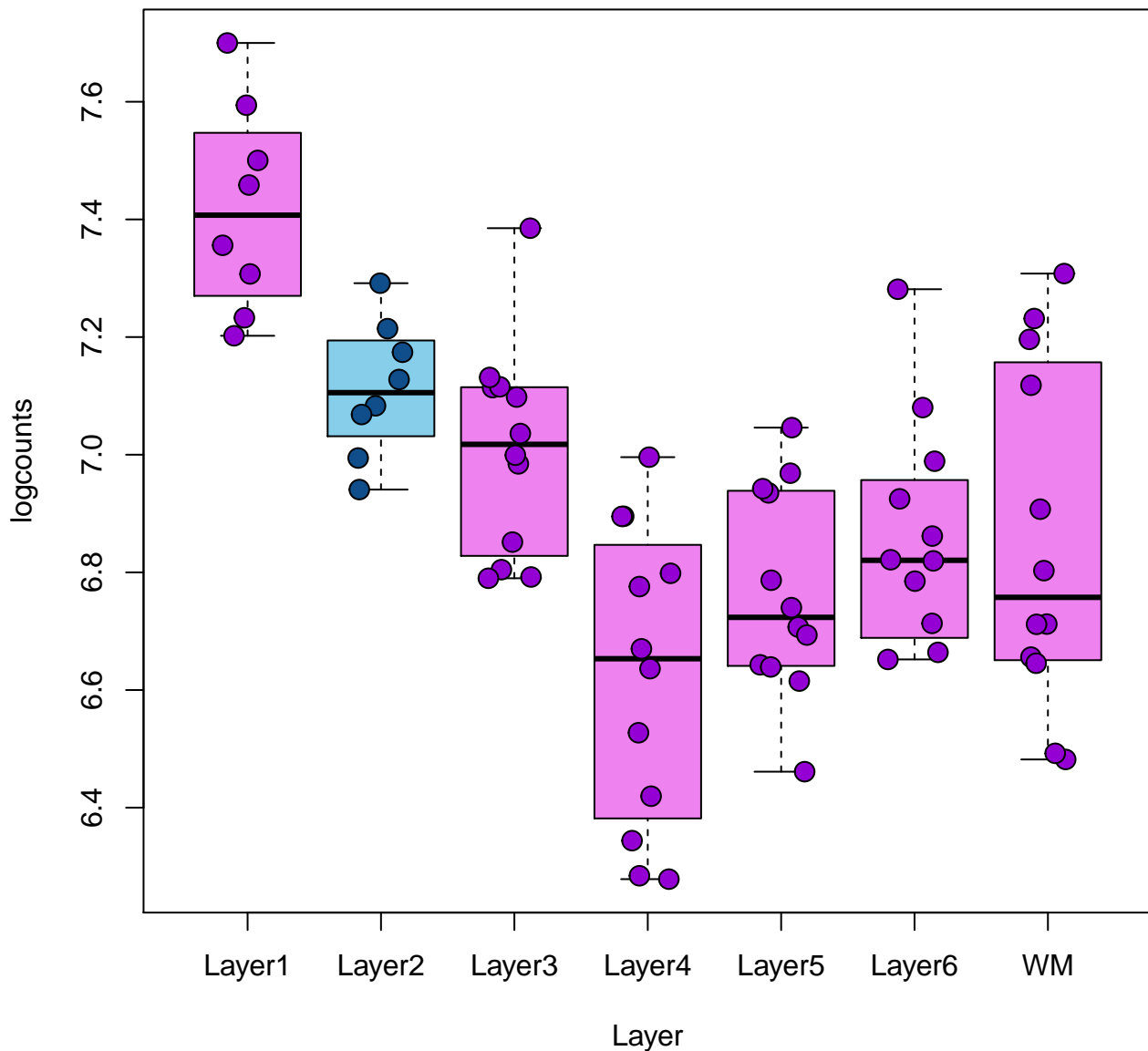
tstat 1.84e+00 p 6.93e-02 rank 8004



# WFS1 ENSG00000109501 mouse marker (KM)

Layer2 vs others

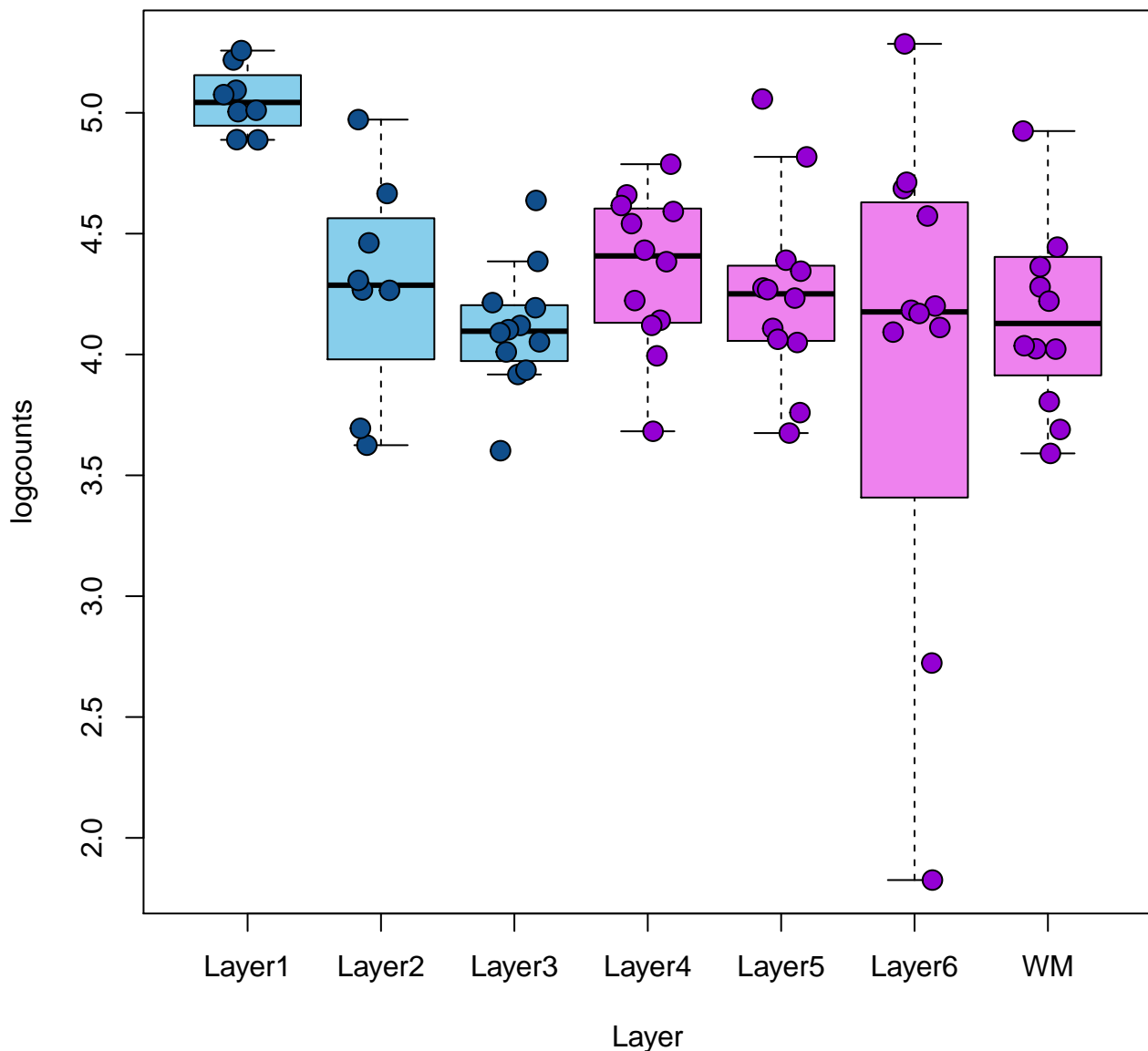
tstat 1.84e+00 p 6.98e-02 rank 4980



# INPP4B ENSG00000109452 mouse marker (KM)

Layer1+Layer2+Layer3 vs others

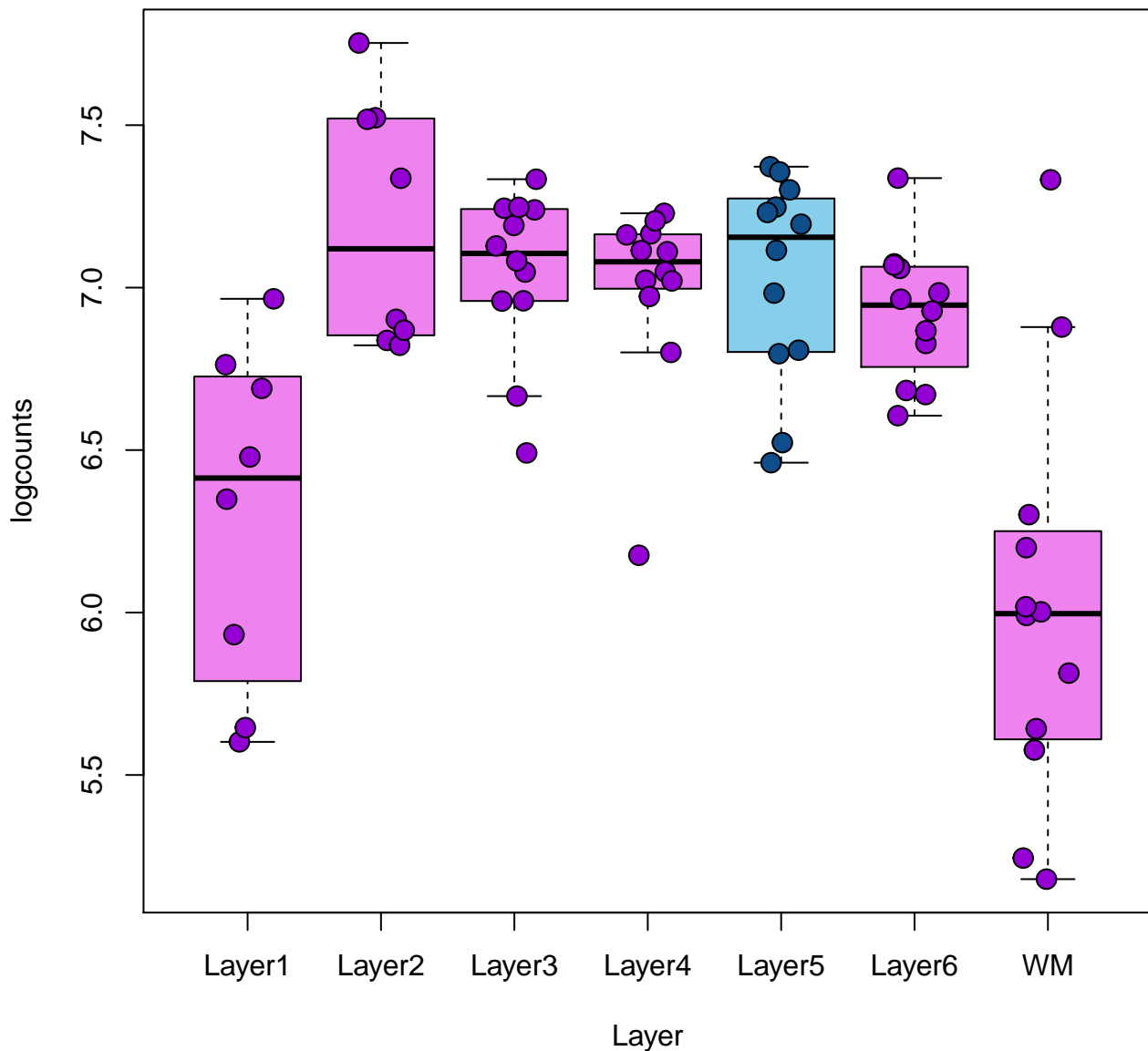
tstat 1.79e+00 p 7.81e-02 rank 7308



# OPN3 ENSG00000054277 mouse marker (BM)

Layer5 vs others

tstat 1.69e+00 p 9.54e-02 rank 4400

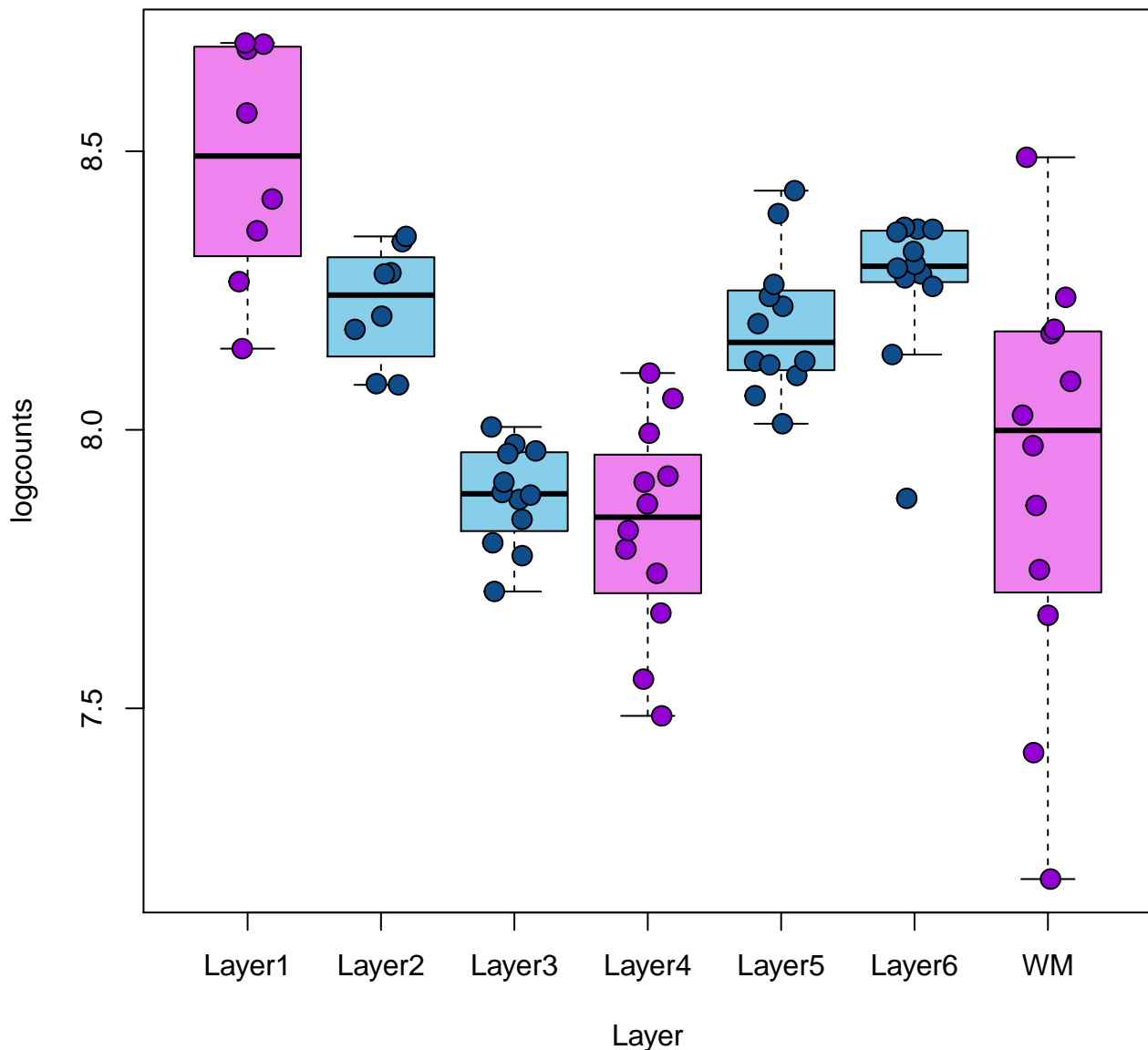




# ID2 ENSG00000115738 mouse marker (BM)

Layer2+Layer3+Layer5+Layer6 vs others

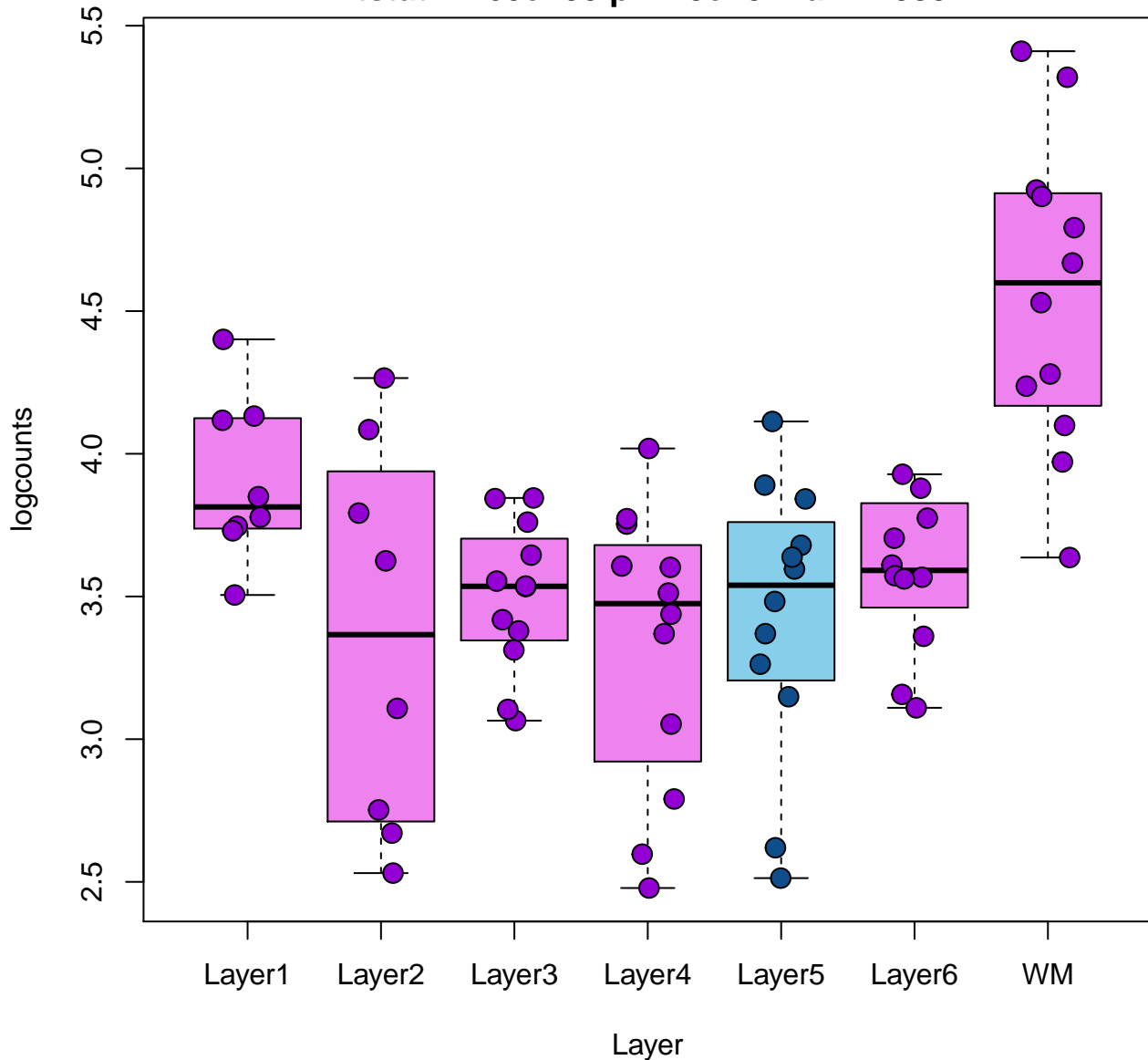
tstat 1.60e+00 p 1.13e-01 rank 9755



# OMA1 ENSG00000162600 mouse marker (BM)

Layer5 vs others

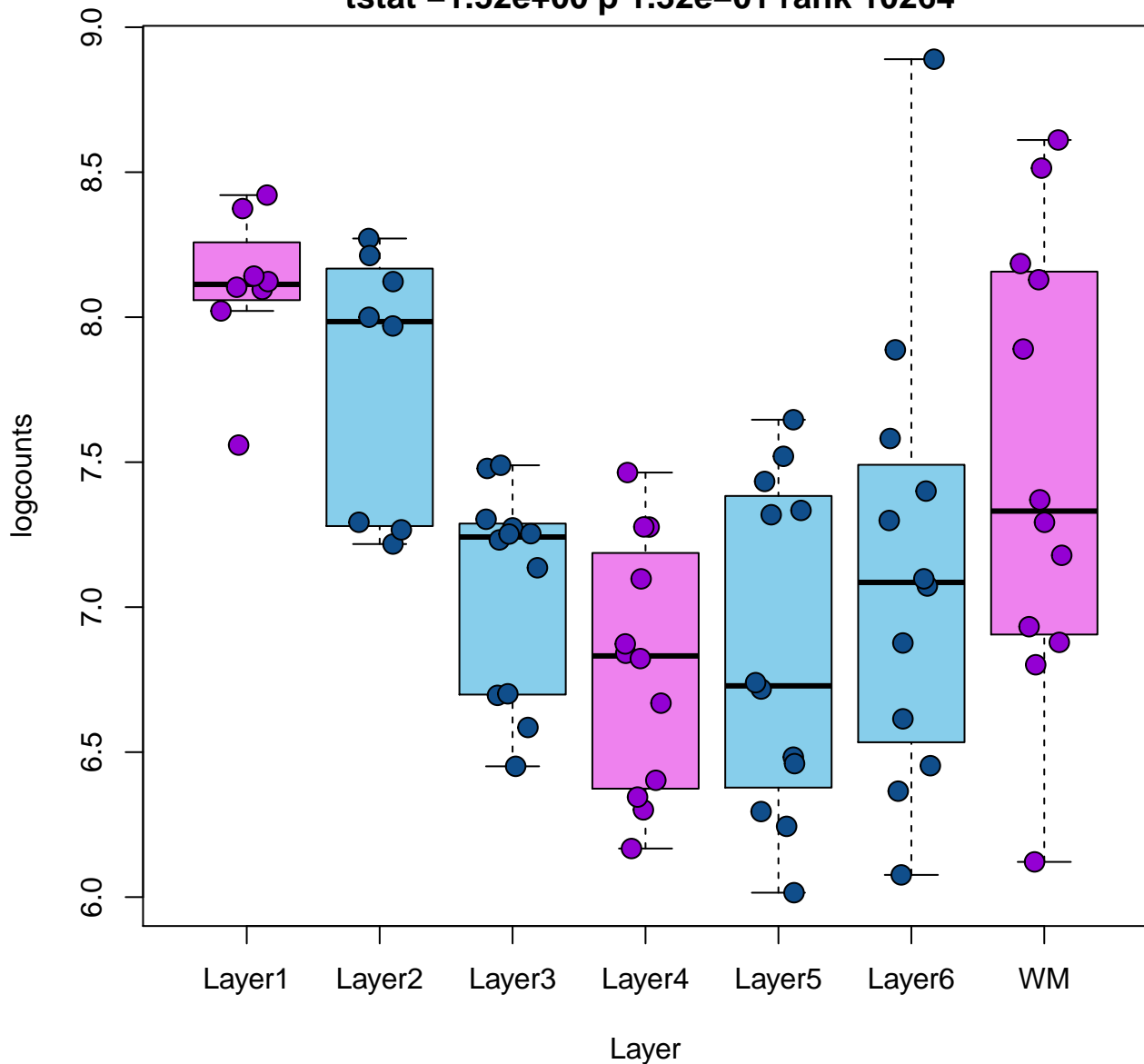
tstat -1.60e+00 p 1.13e-01 rank 4859



# IGFBP4 ENSG00000141753 mouse marker (BM)

Layer2+Layer3+Layer5+Layer6 vs others

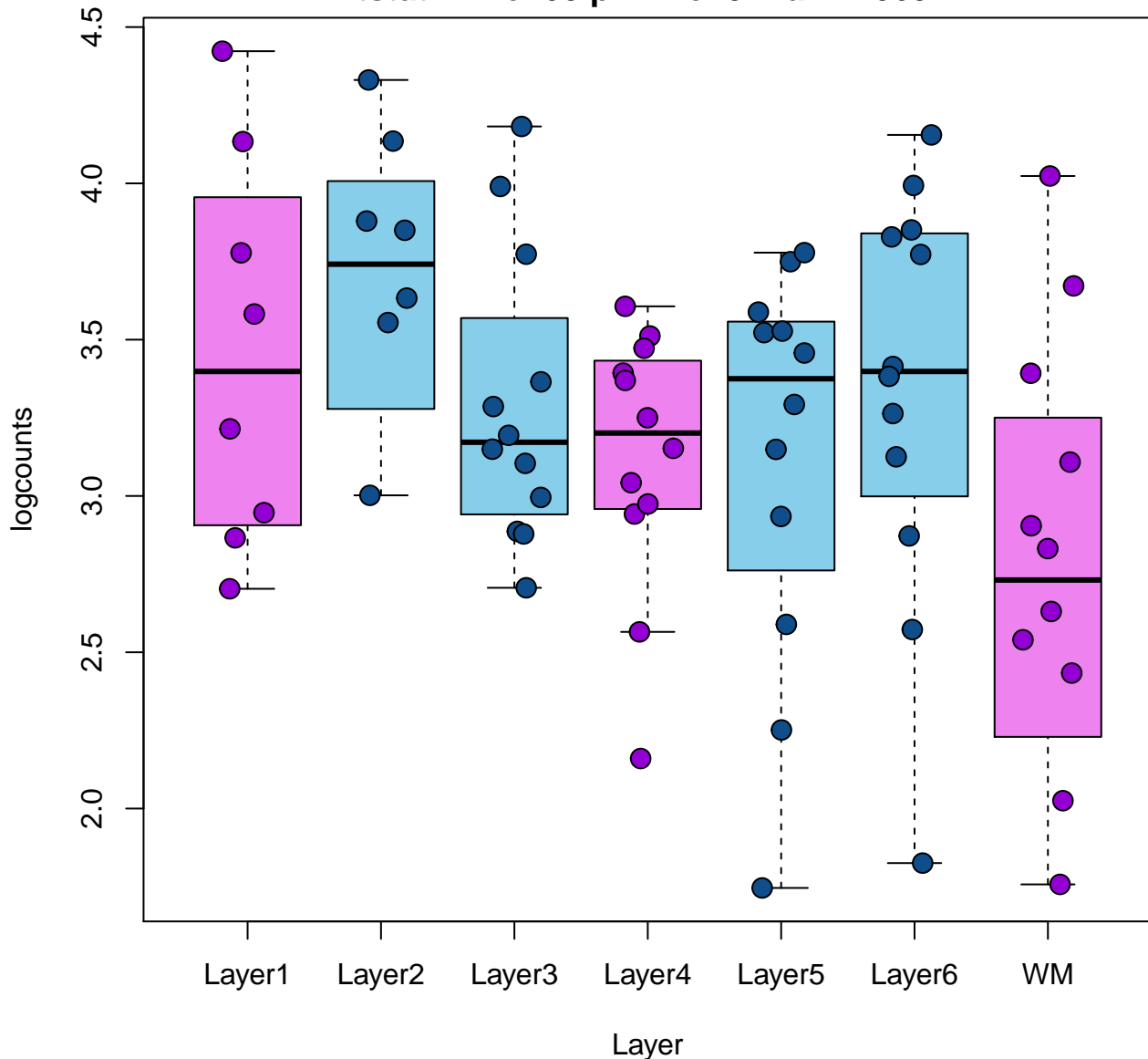
tstat -1.52e+00 p 1.32e-01 rank 10264



# COL24A1 ENSG00000171502 mouse marker (KM)

Layer2+Layer3+Layer5+Layer6 vs others

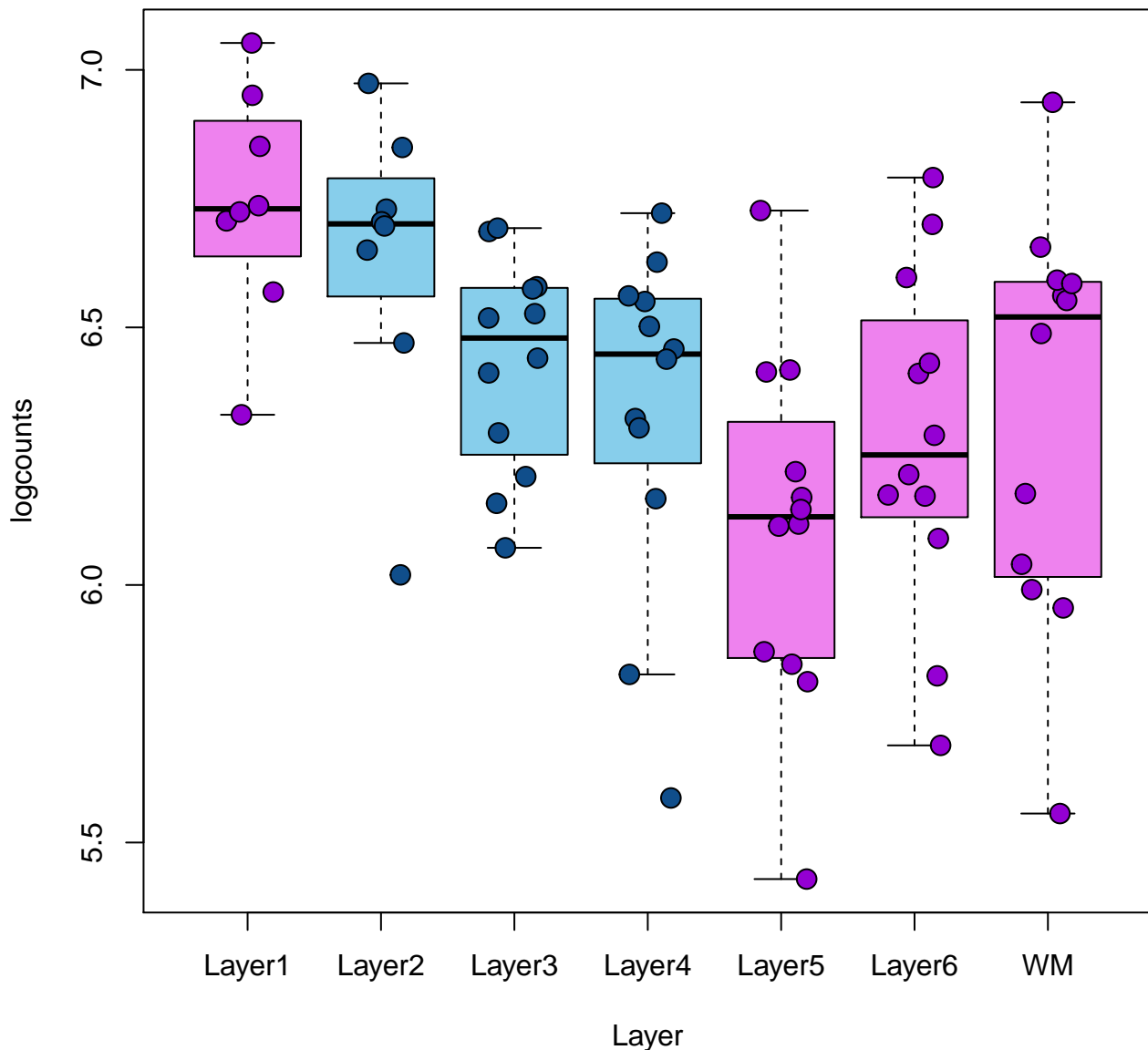
tstat 1.47e+00 p 1.47e-01 rank 10651



# CUX1 ENSG00000257923 mouse marker (BM)

Layer2+Layer3+Layer4 vs others

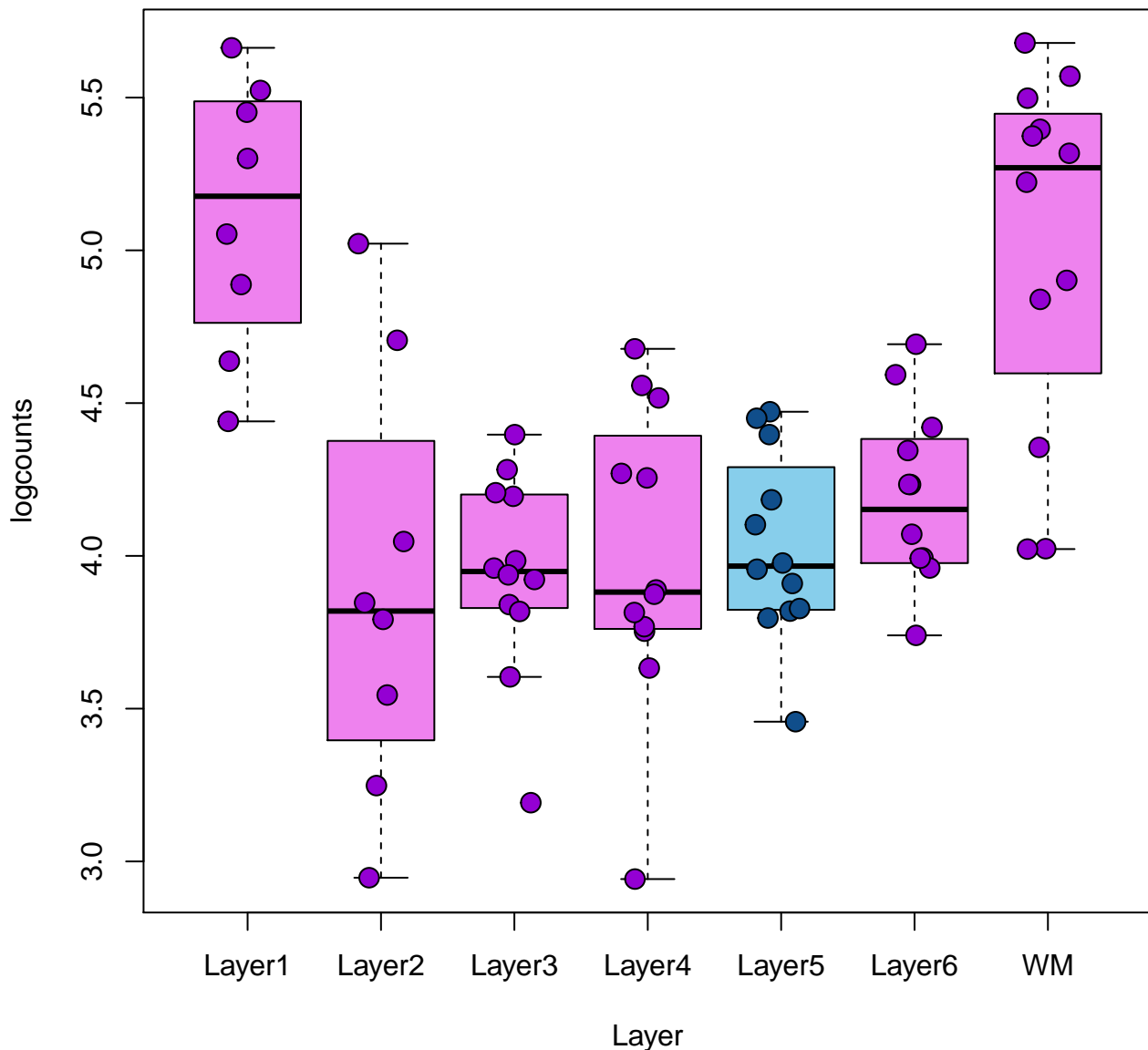
tstat 1.45e+00 p 1.50e-01 rank 10605



# FOXO1 ENSG00000150907 mouse marker (BM)

Layer5 vs others

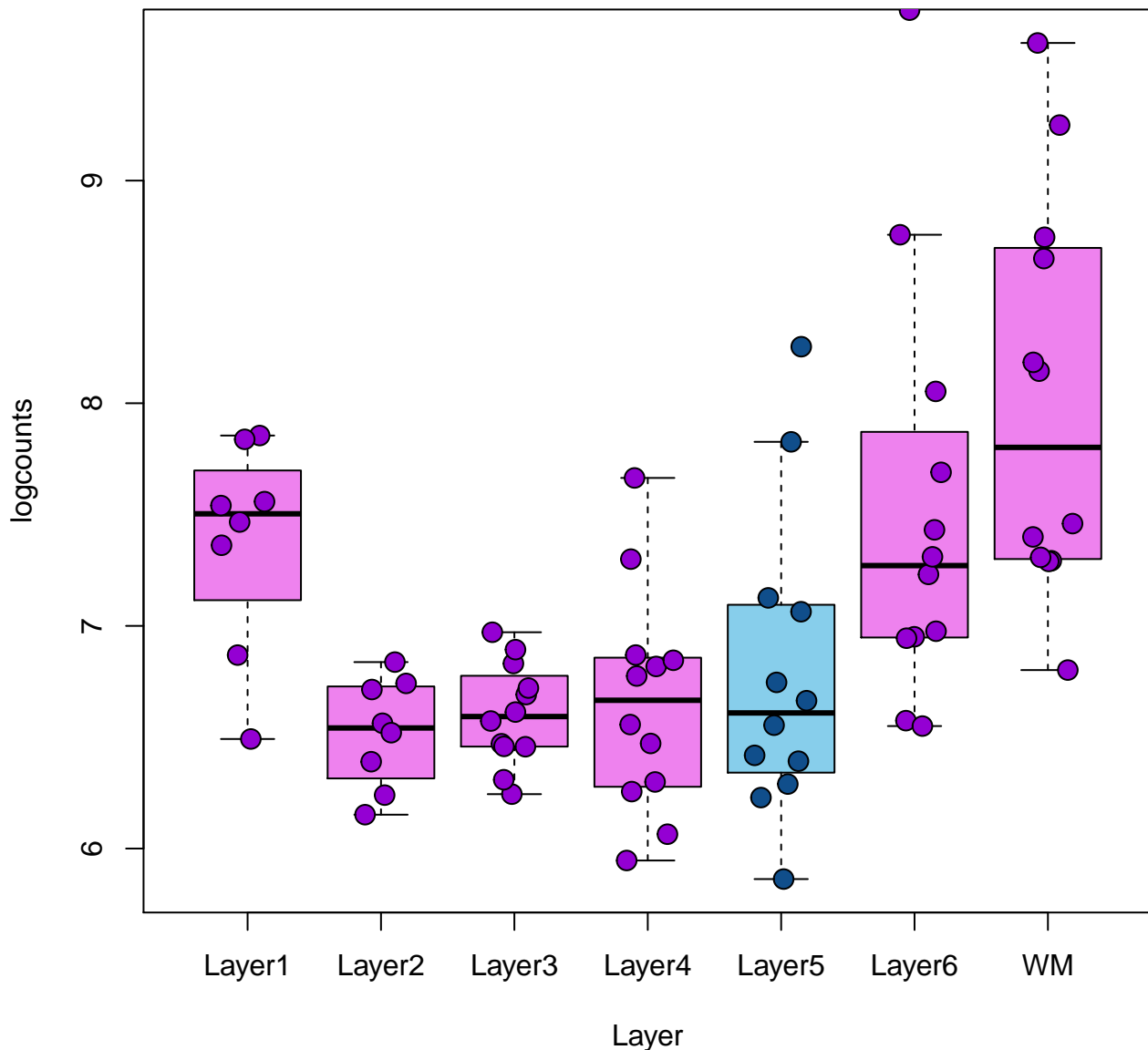
tstat  $-1.44e+00$  p  $1.54e-01$  rank 5871



# S100A10 ENSG00000197747 mouse marker (BM)

Layer5 vs others

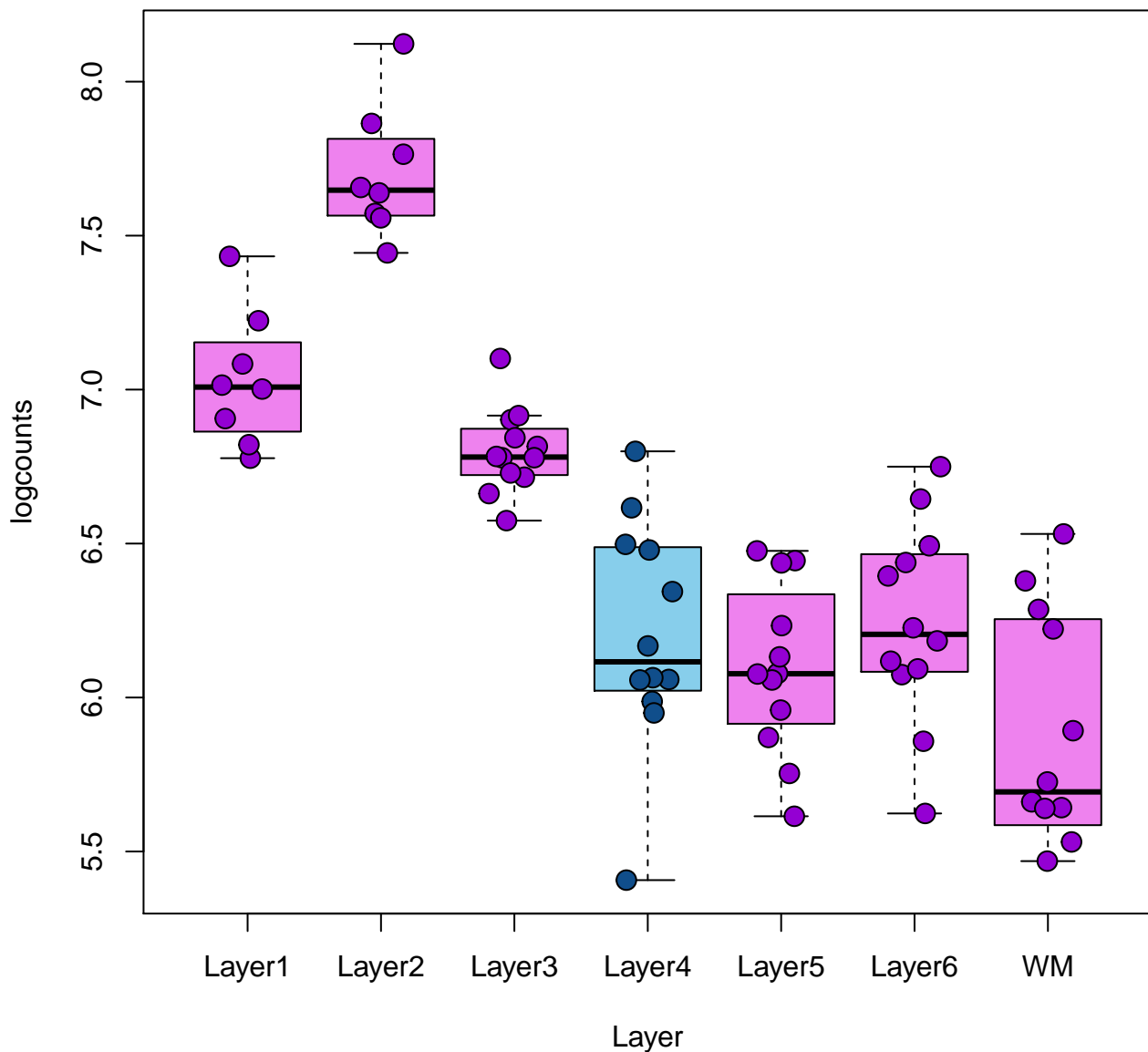
tstat  $-1.41e+00$  p  $1.63e-01$  rank 6080



# KCNIP2 ENSG00000120049 mouse marker (BM)

Layer4 vs others

tstat  $-1.35e+00$  p  $1.82e-01$  rank 8331

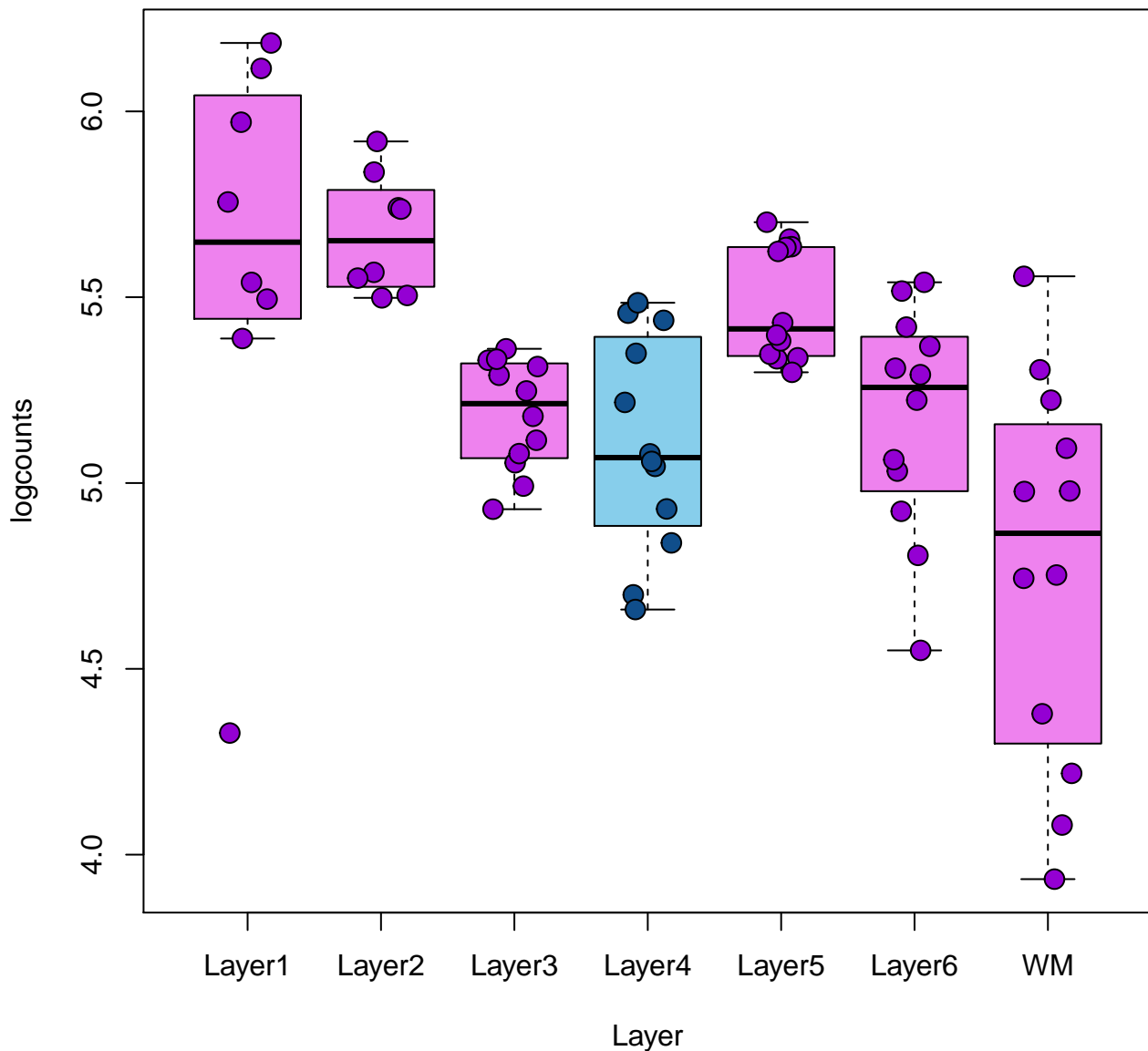




# KCNIP1 ENSG00000182132 human marker (KM)

Layer4 vs others

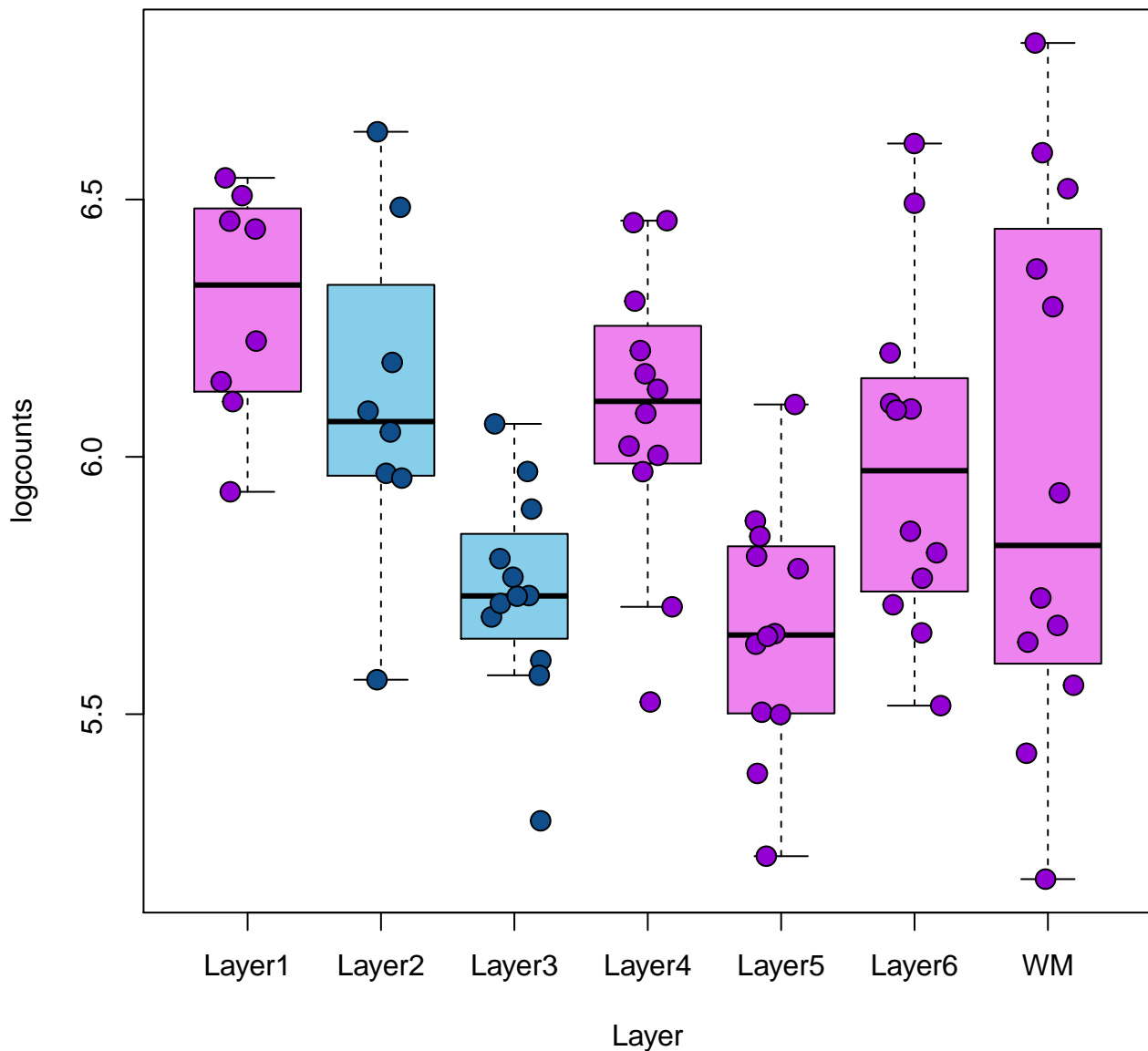
tstat  $-1.27e+00$  p  $2.07e-01$  rank 8980



# TLE3 ENSG00000140332 mouse marker (BM)

Layer2+Layer3 vs others

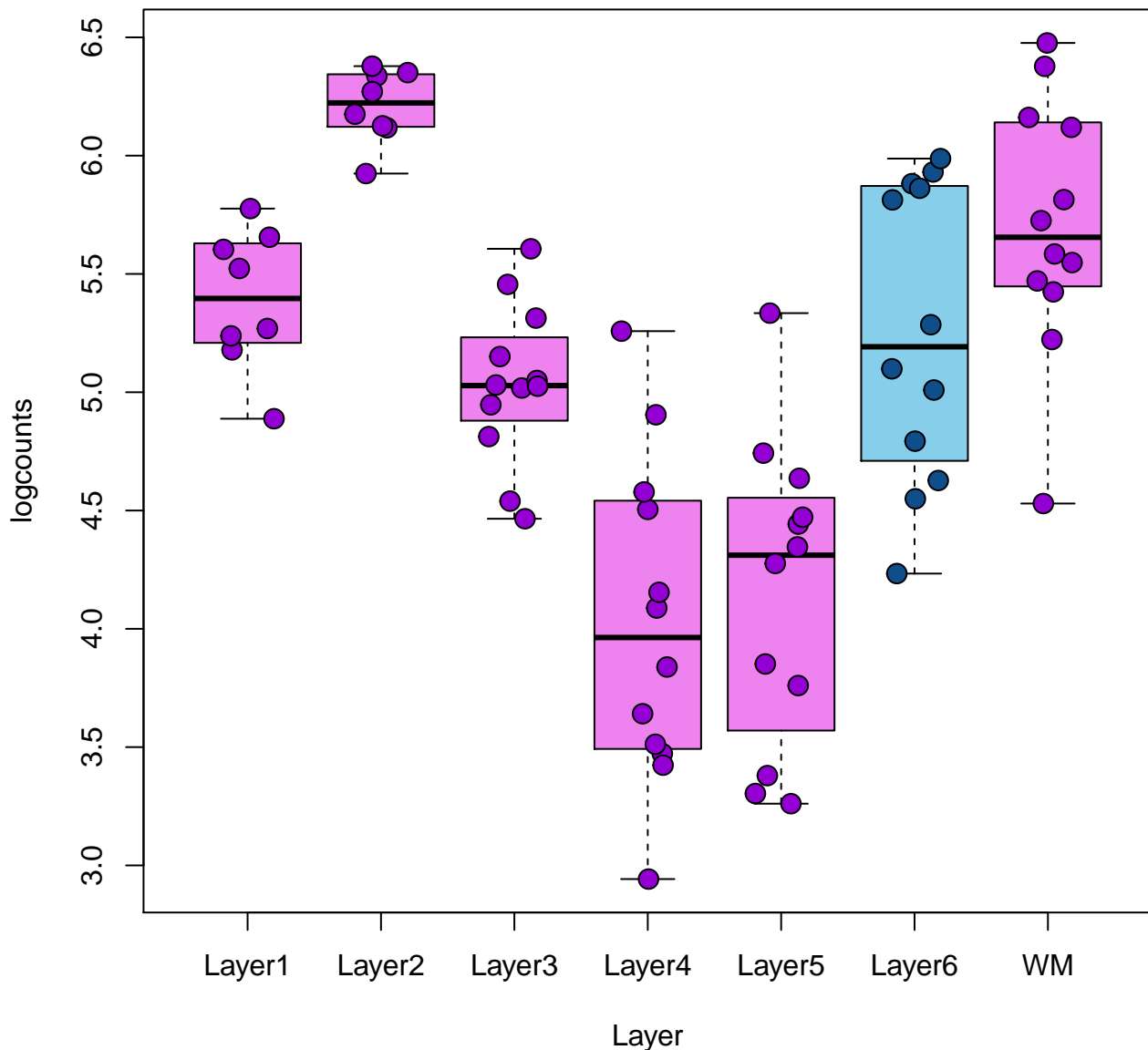
tstat -1.11e+00 p 2.70e-01 rank 11409



# SEMA3C ENSG00000075223 human marker (KM)

Layer6 vs others

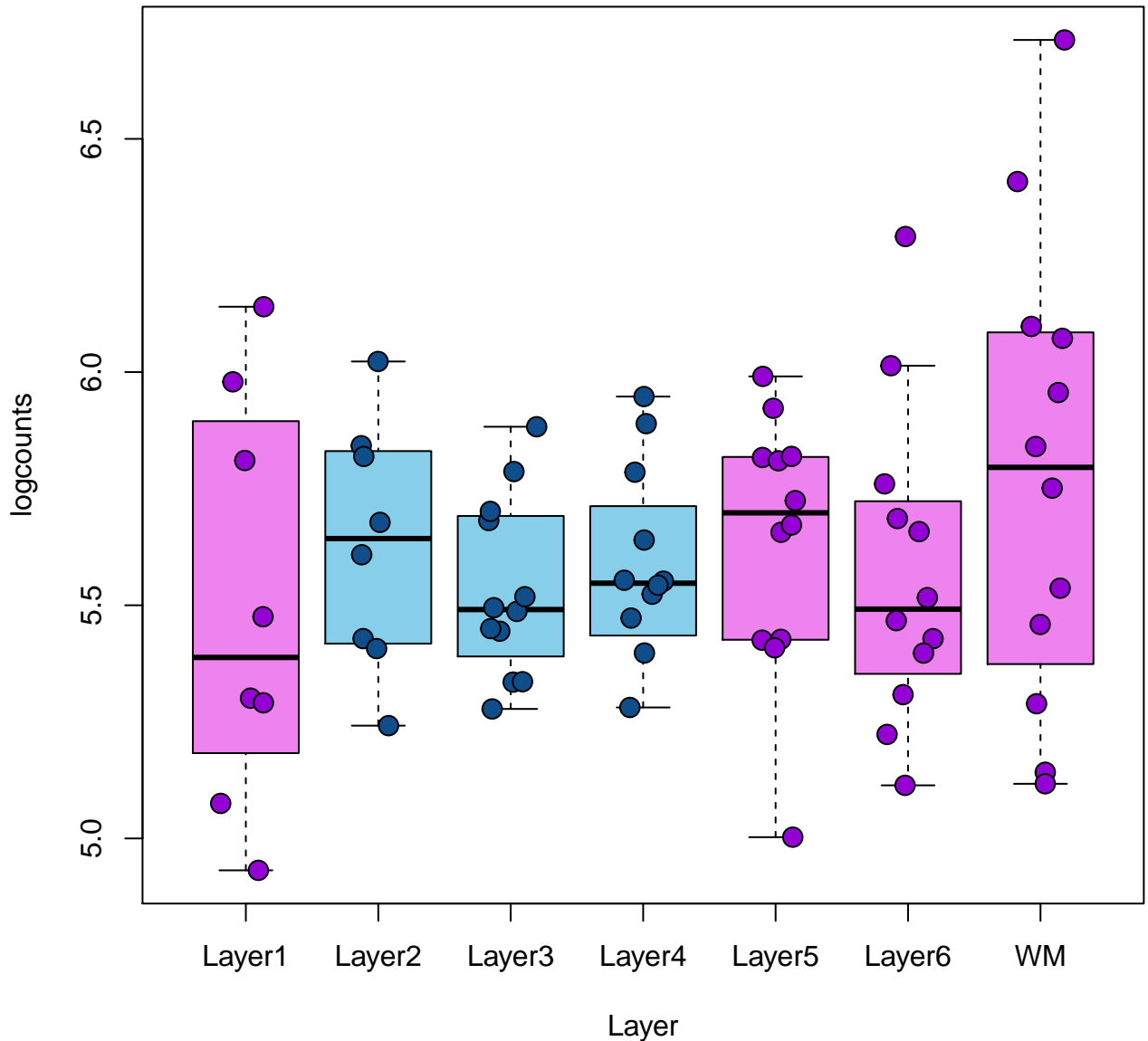
tstat 1.09e+00 p 2.77e-01 rank 8601



# DTX4 ENSG00000110042 mouse marker (BM)

Layer2+Layer3+Layer4 vs others

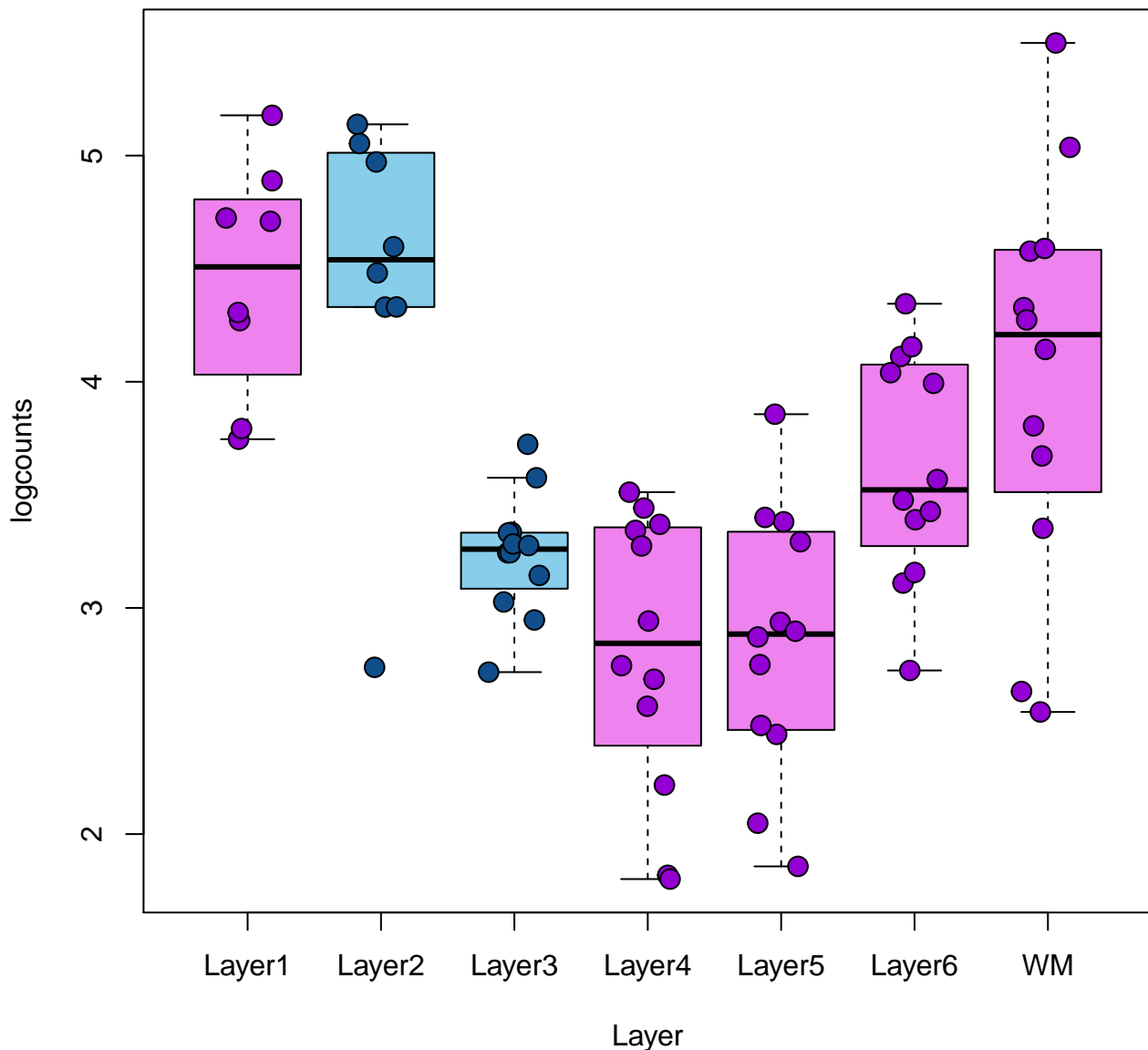
tstat  $-1.04e+00$  p  $3.02e-01$  rank 13447



# MDGA1 ENSG00000112139 mouse marker (BM)

Layer2+Layer3 vs others

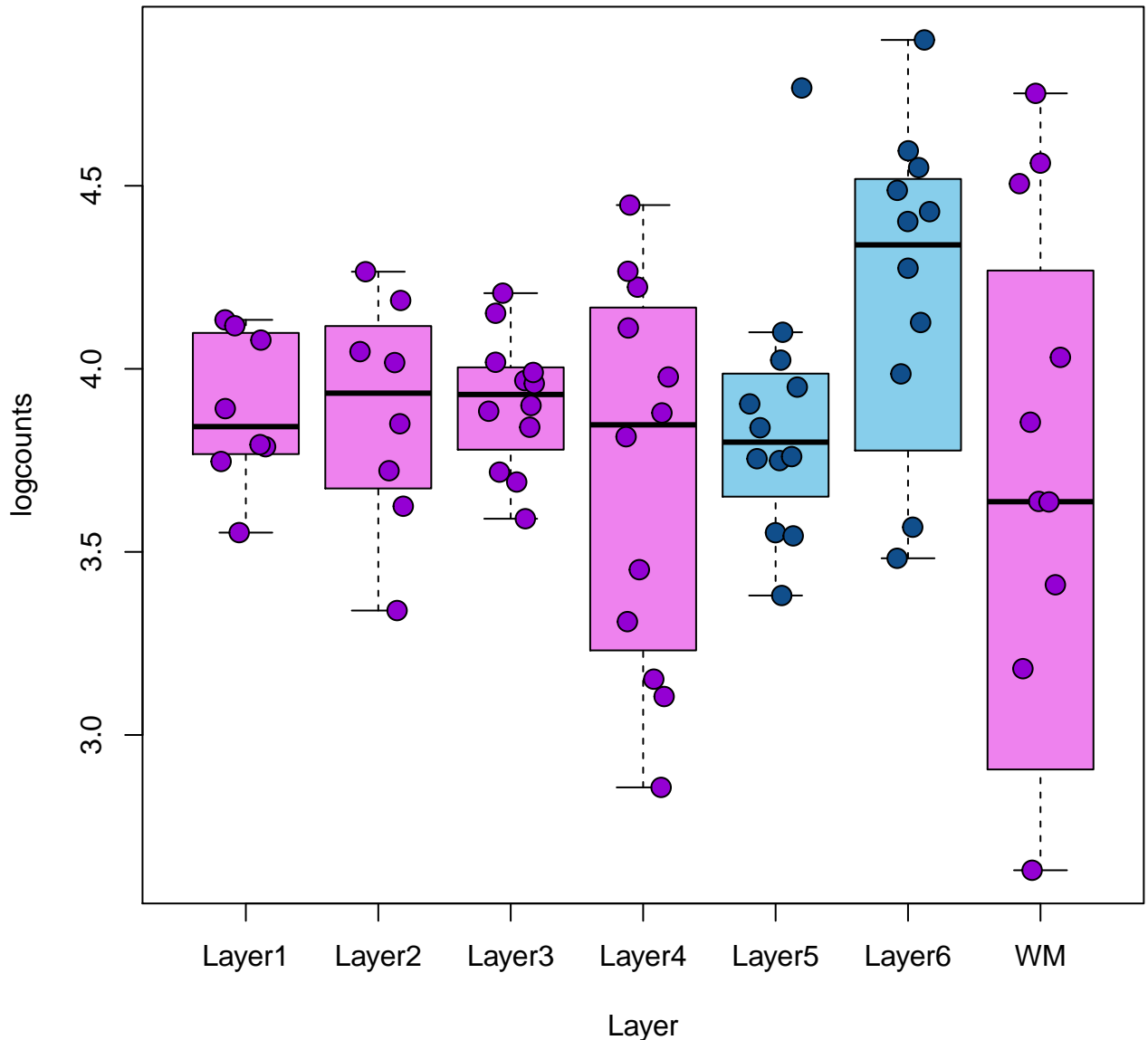
tstat 9.72e-01 p 3.34e-01 rank 12560



# SOX5 ENSG00000134532 mouse marker (BM)

Layer5+Layer6 vs others

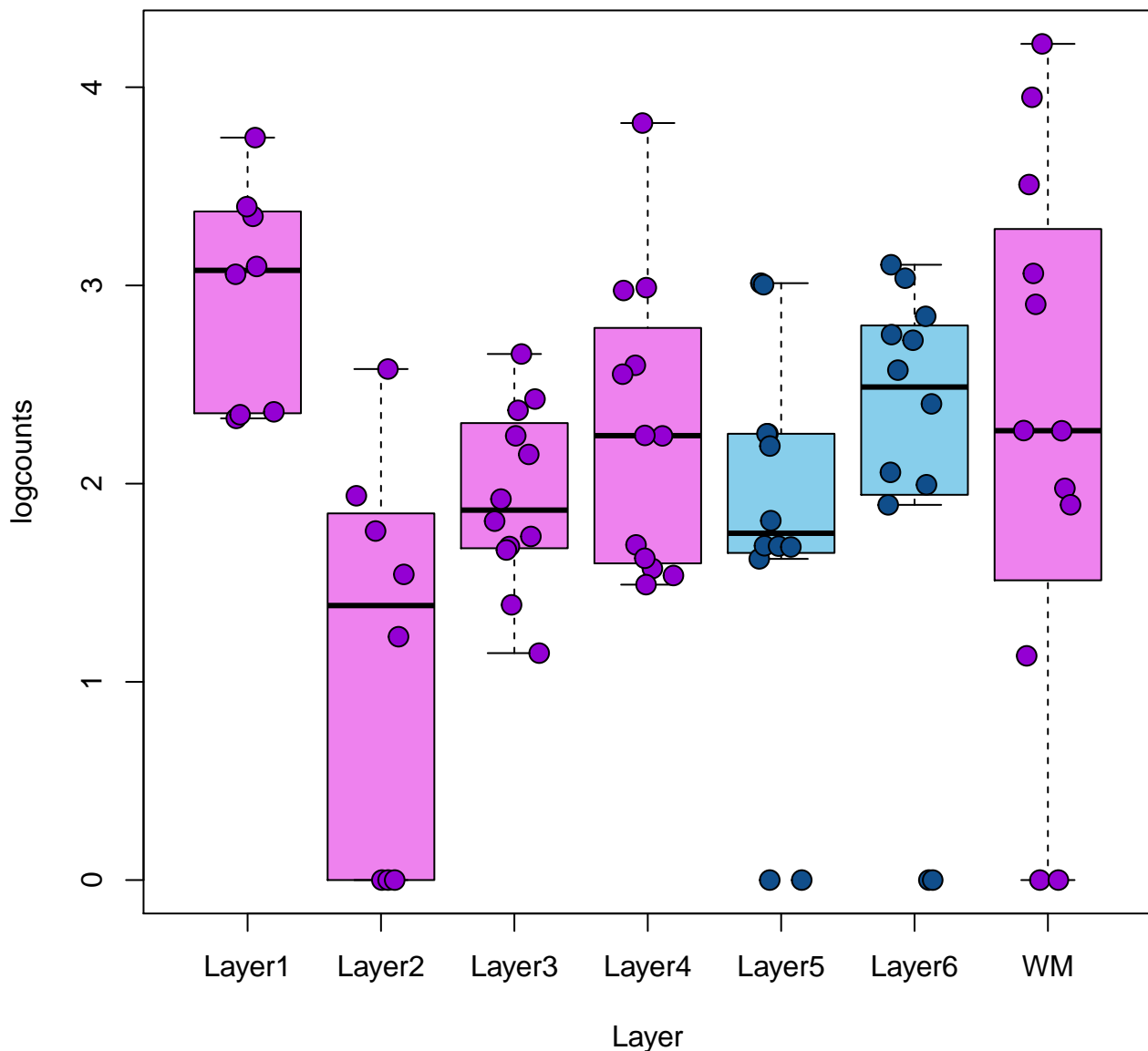
tstat 8.78e-01 p 3.83e-01 rank 12121



# OTX1 ENSG00000115507 mouse marker (BM)

Layer5+Layer6 vs others

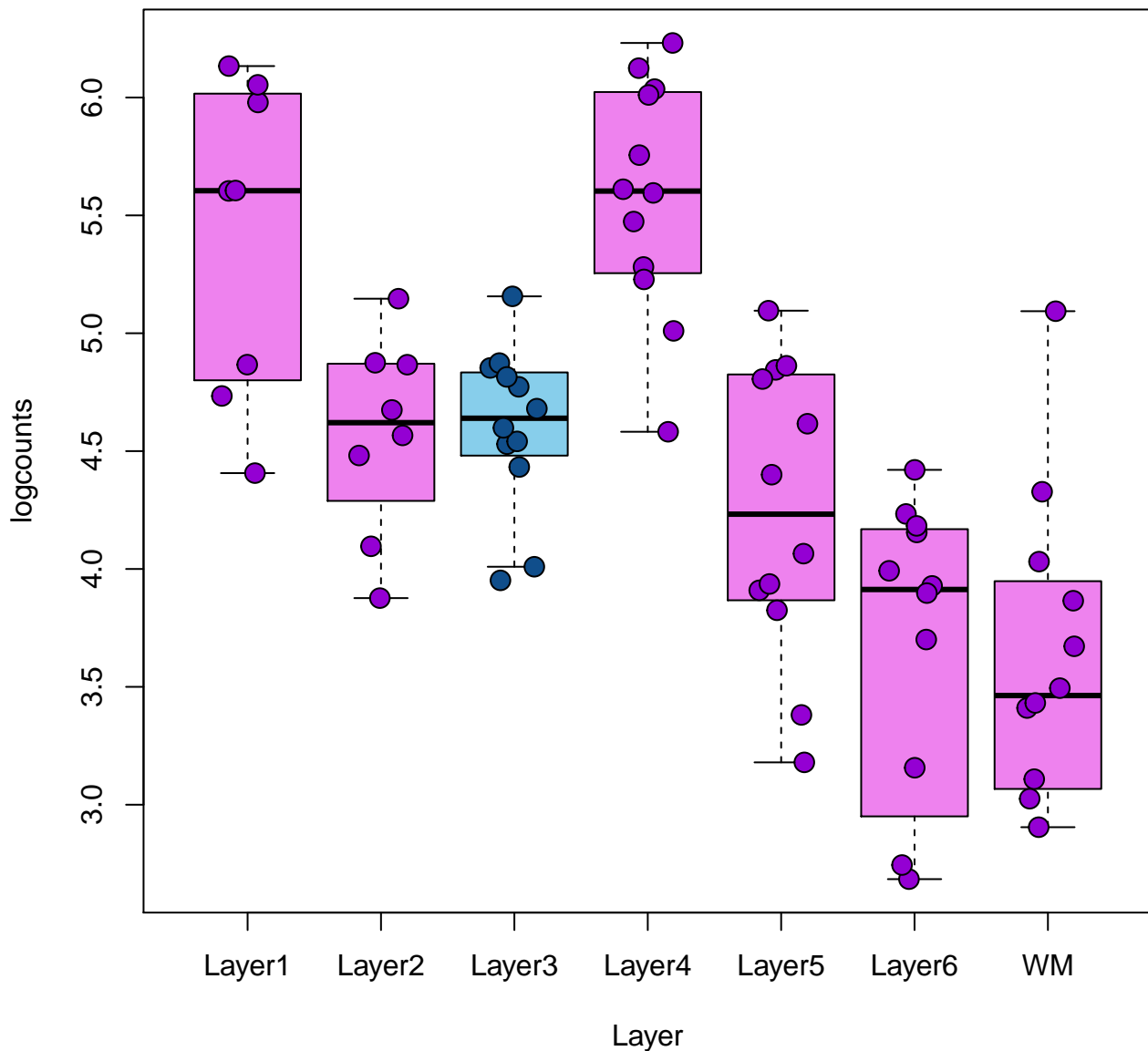
tstat  $-8.50e-01$  p  $3.98e-01$  rank 12397



# SV2C ENSG00000122012 human marker (KM)

Layer3 vs others

tstat 7.76e-01 p 4.40e-01 rank 12092

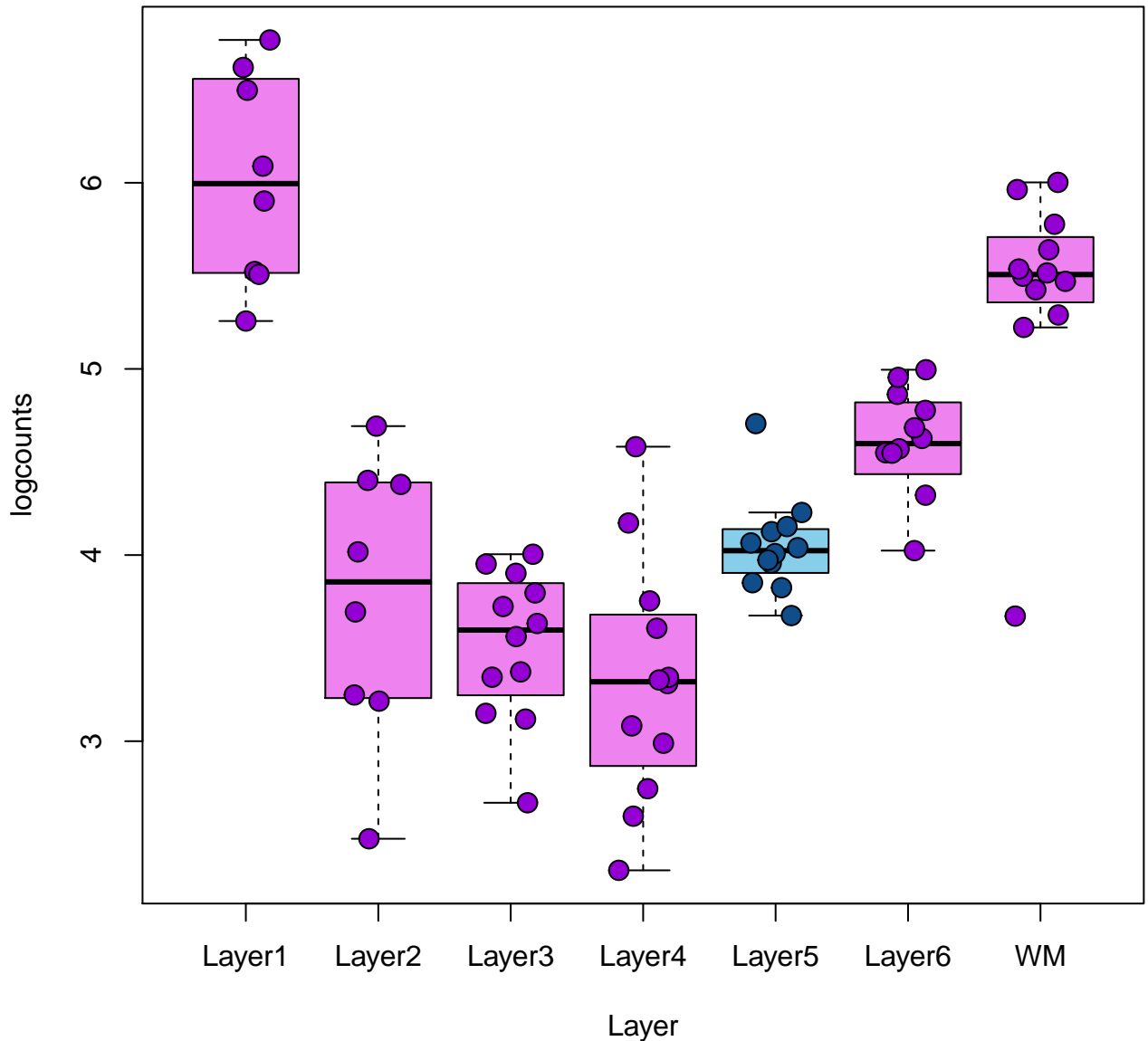




# LIX1 ENSG00000145721 mouse marker (BM)

Layer5 vs others

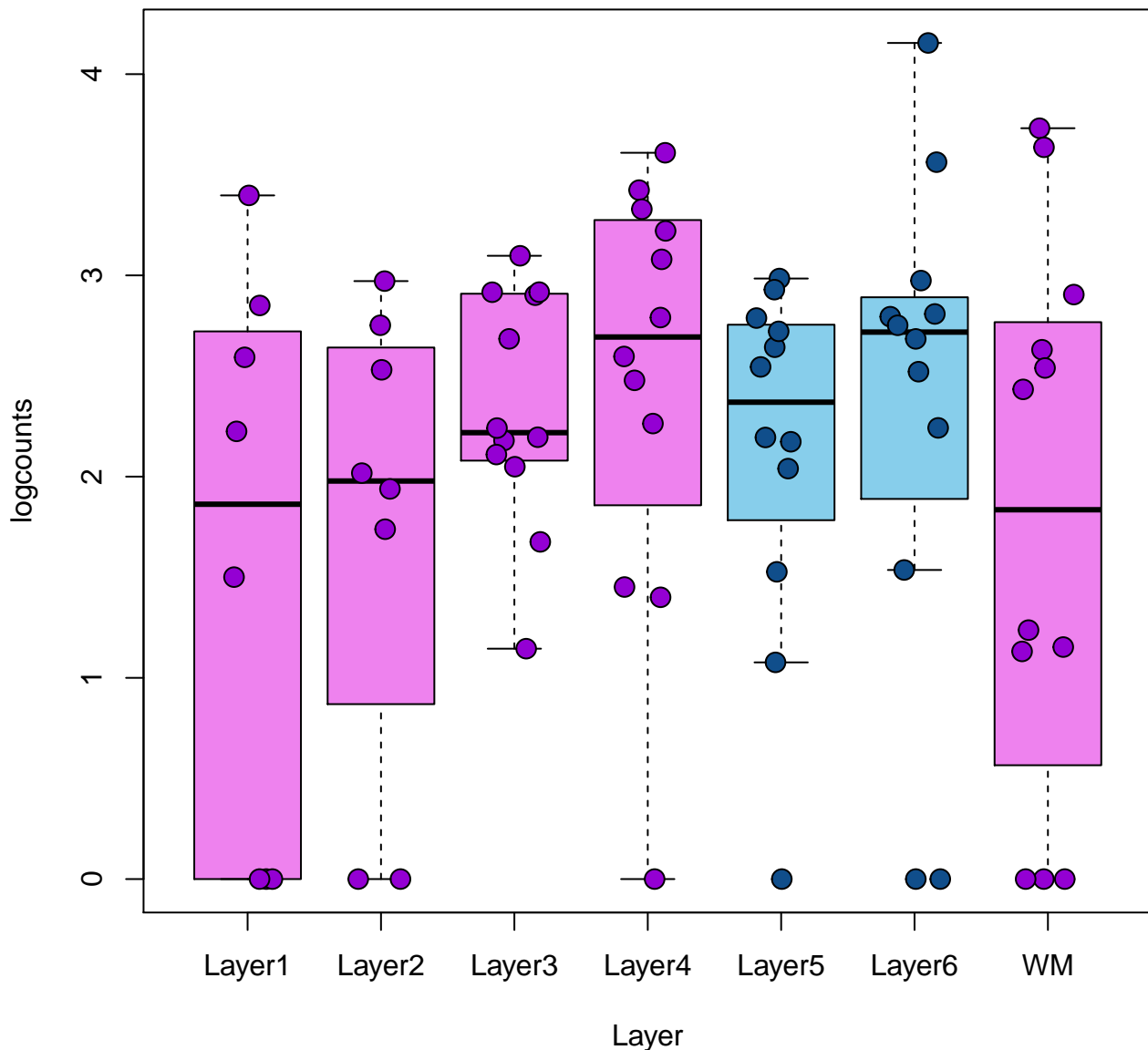
tstat  $-7.69e-01$  p  $4.44e-01$  rank 12102



# PCDH20 ENSG00000280165 mouse marker (KM)

Layer5+Layer6 vs others

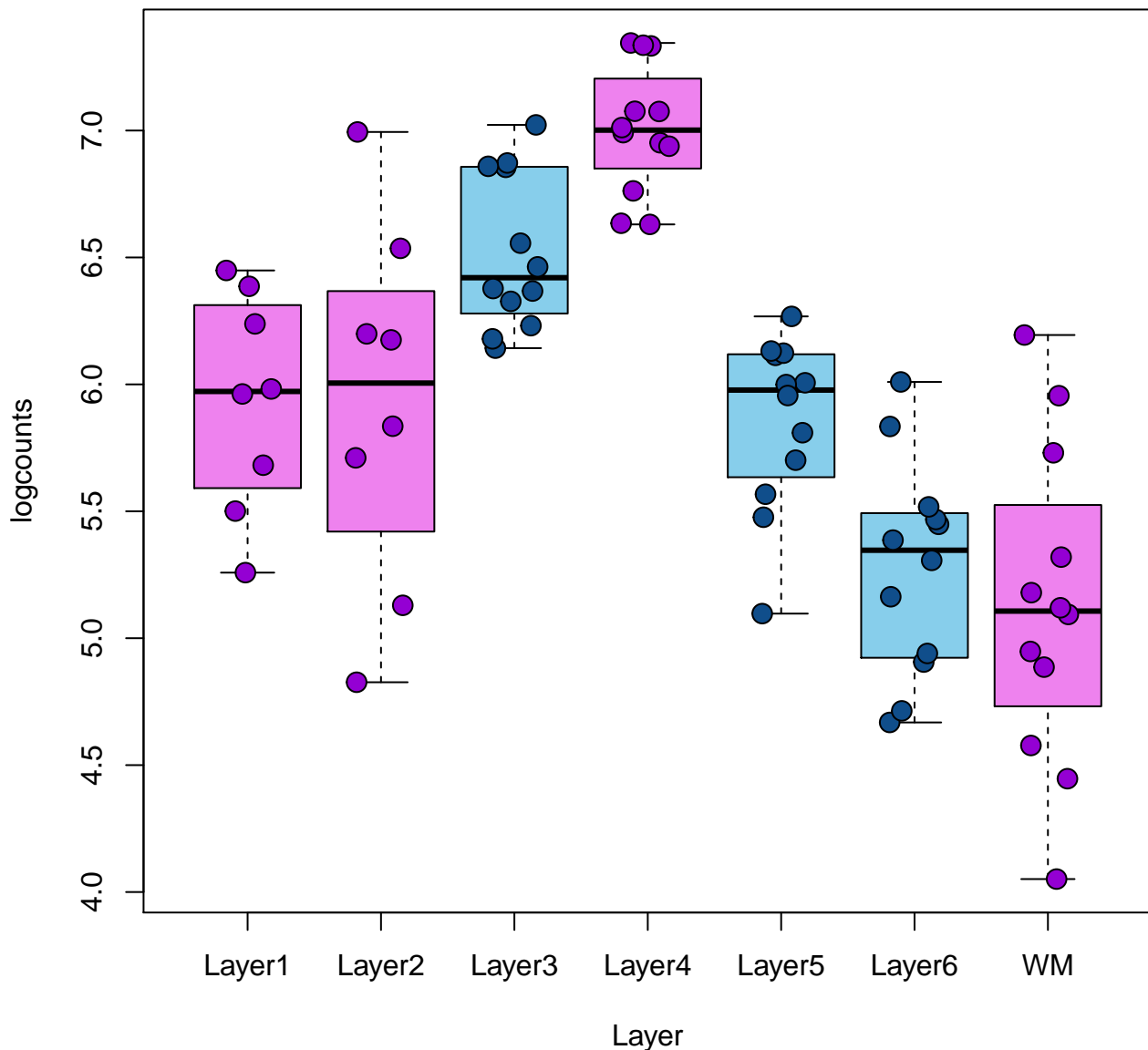
tstat 6.85e-01 p 4.95e-01 rank 14107



**TPBG ENSG00000146242 mouse marker (KM)**

**Layer3+Layer5+Layer6 vs others**

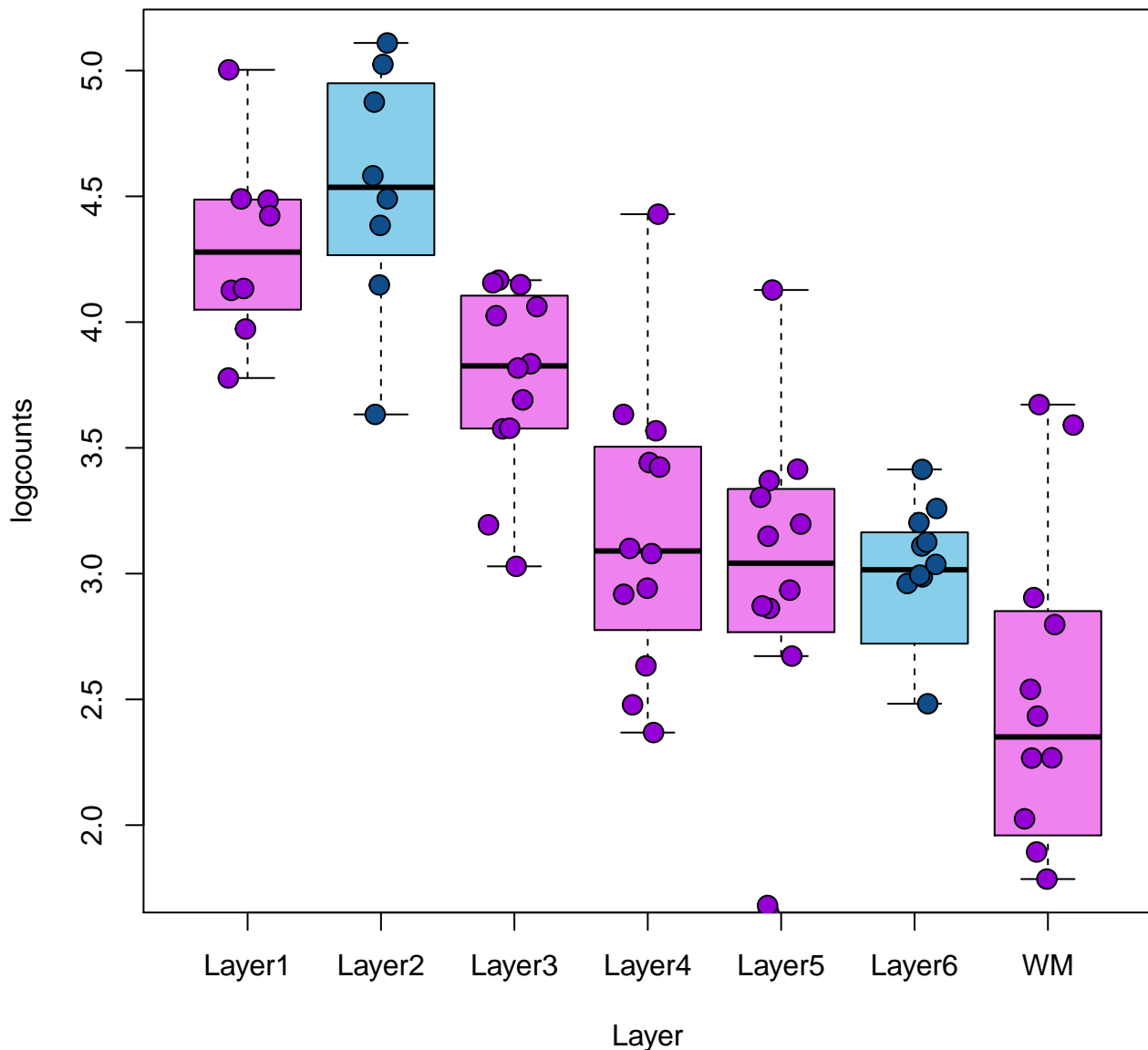
**tstat  $-6.42e-01$  p  $5.23e-01$  rank 15706**



# RGS8 ENSG00000135824 mouse marker (BM)

Layer2+Layer6 vs others

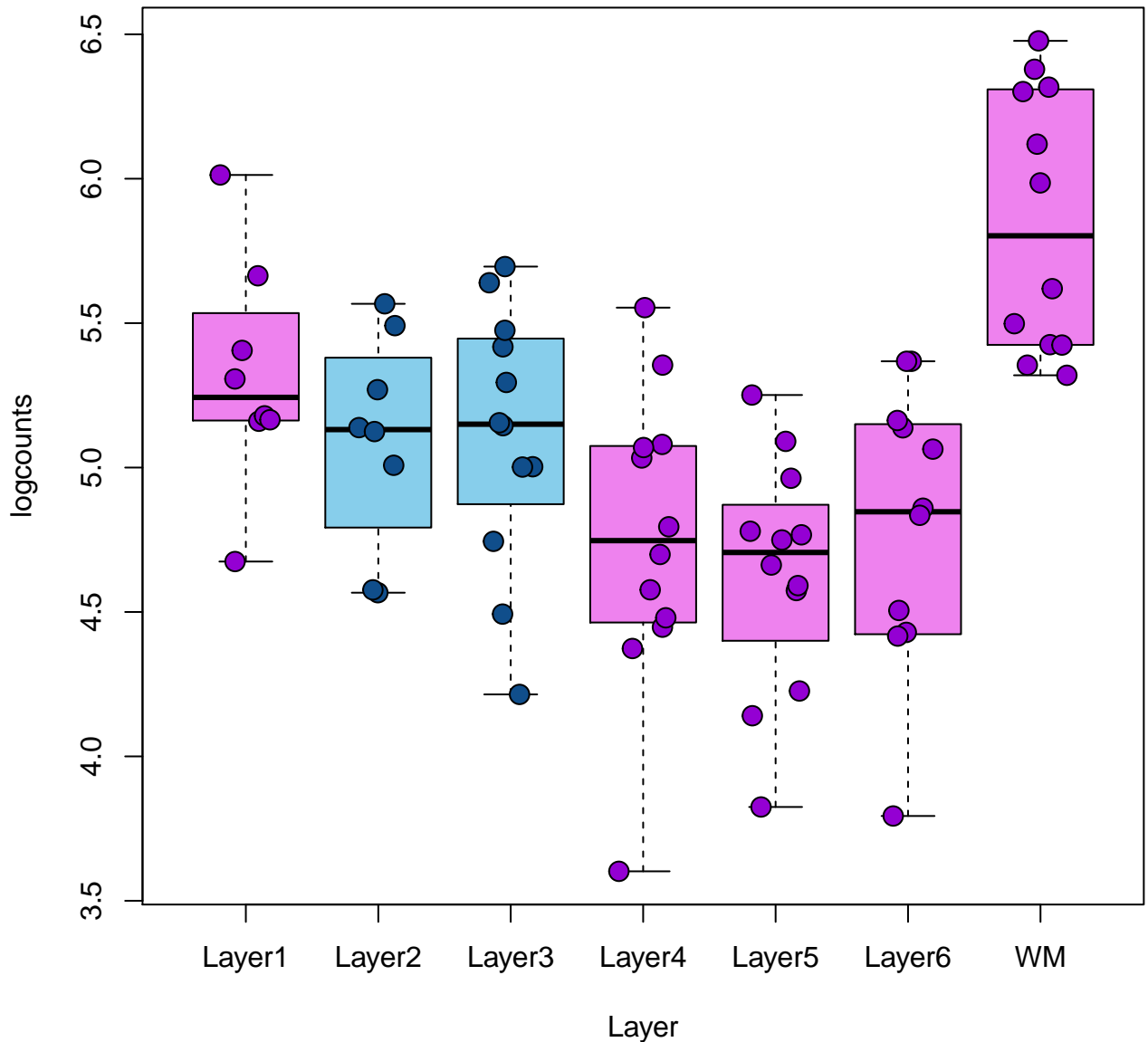
tstat 5.95e-01 p 5.54e-01 rank 14724



# IGSF11 ENSG00000144847 mouse marker (KM)

Layer2+Layer3 vs others

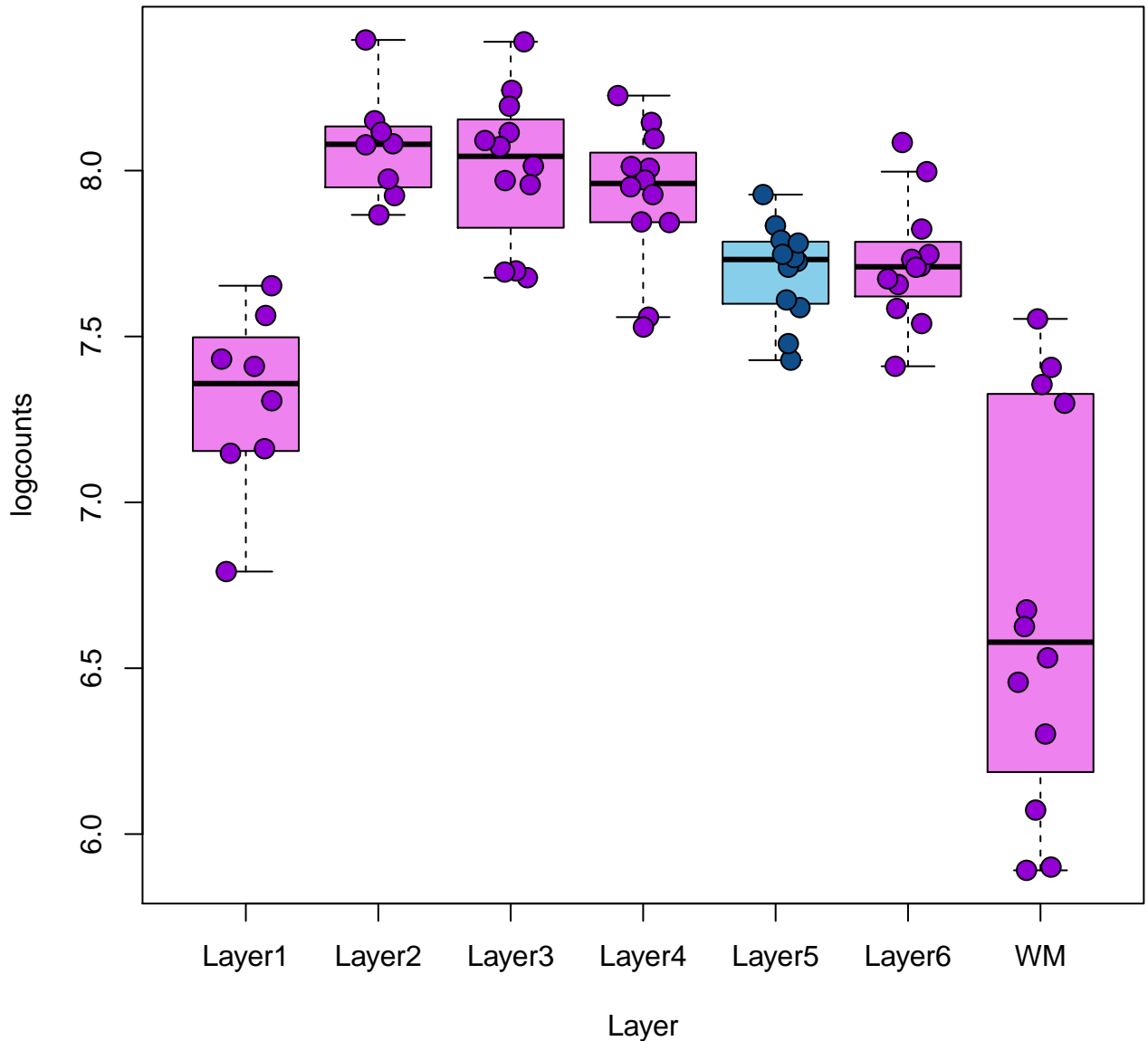
tstat 5.77e-01 p 5.66e-01 rank 16312



# LDB2 ENSG00000169744 mouse marker (BM)

Layer5 vs others

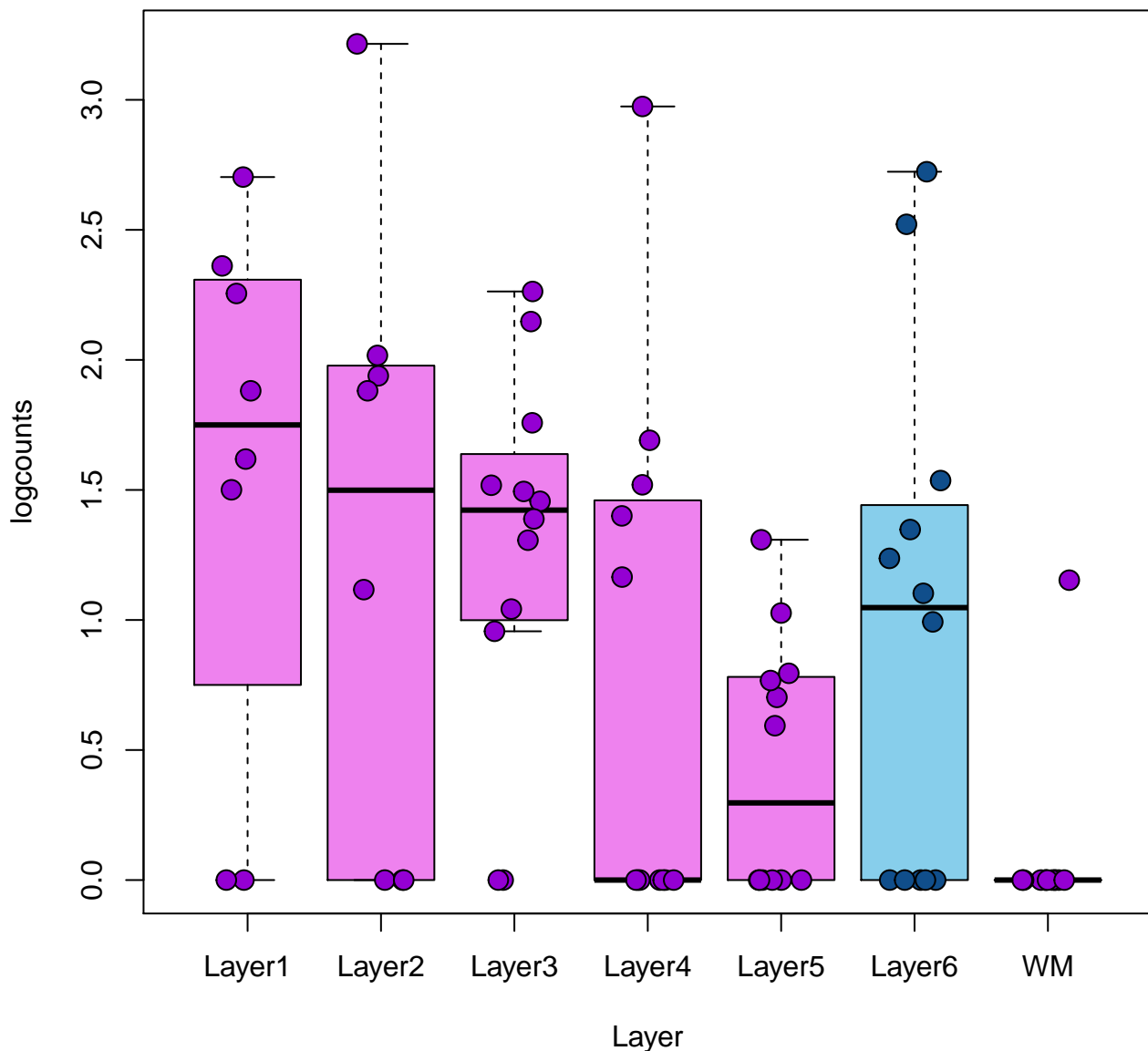
tstat 5.23e-01 p 6.03e-01 rank 15049



# SYT10 ENSG00000110975 mouse marker (KM)

## Layer6 vs others

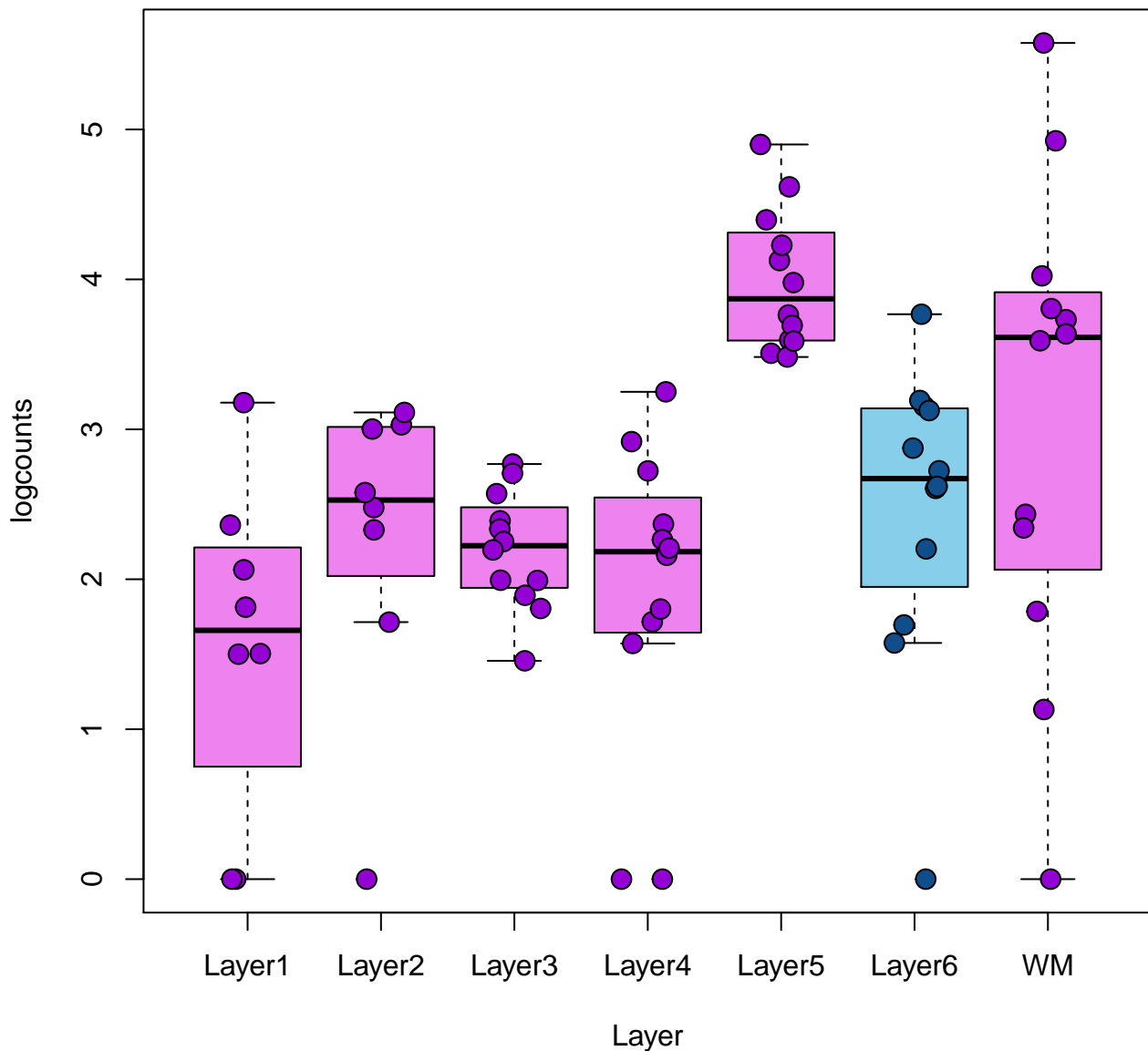
tstat 4.68e-01 p 6.41e-01 rank 15964



# NPY2R ENSG00000185149 human marker (KM)

## Layer6 vs others

tstat  $-3.63e-01$  p  $7.18e-01$  rank 17405

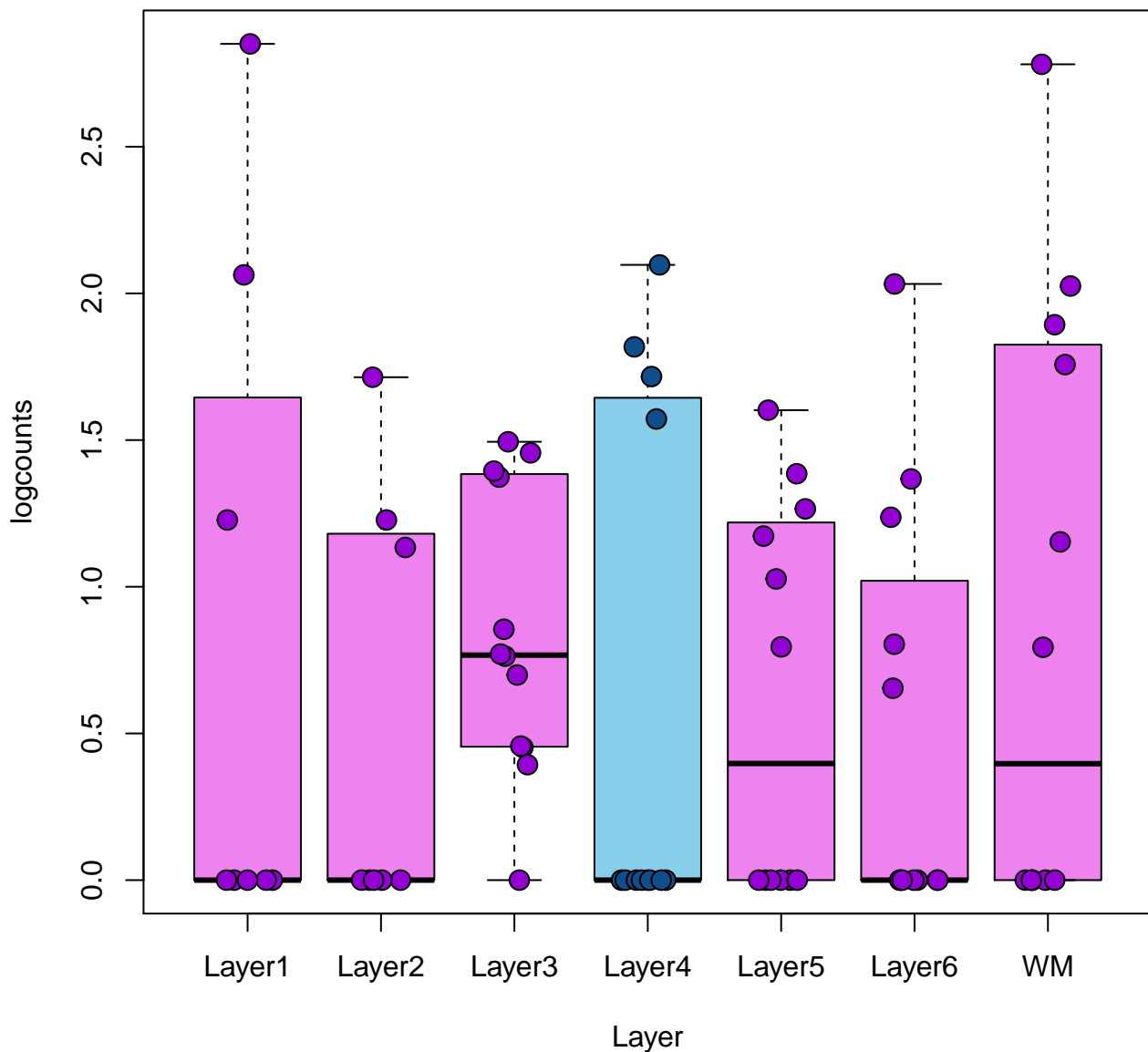




# CYP39A1 ENSG00000146233 mouse marker (BM)

Layer4 vs others

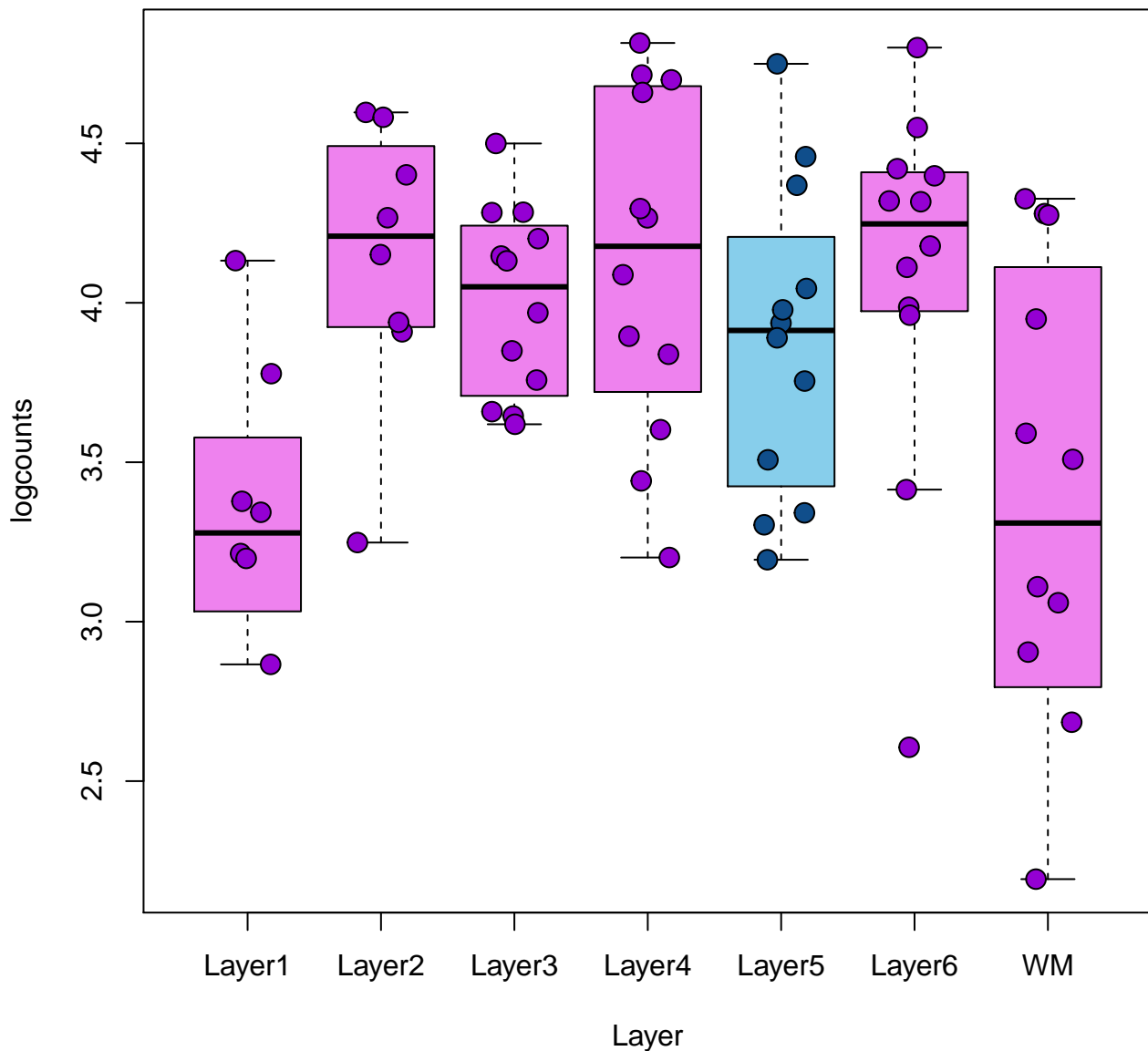
tstat  $-3.55e-01$  p  $7.24e-01$  rank 18321



# CNTN6 ENSG00000134115 mouse marker (BM)

Layer5 vs others

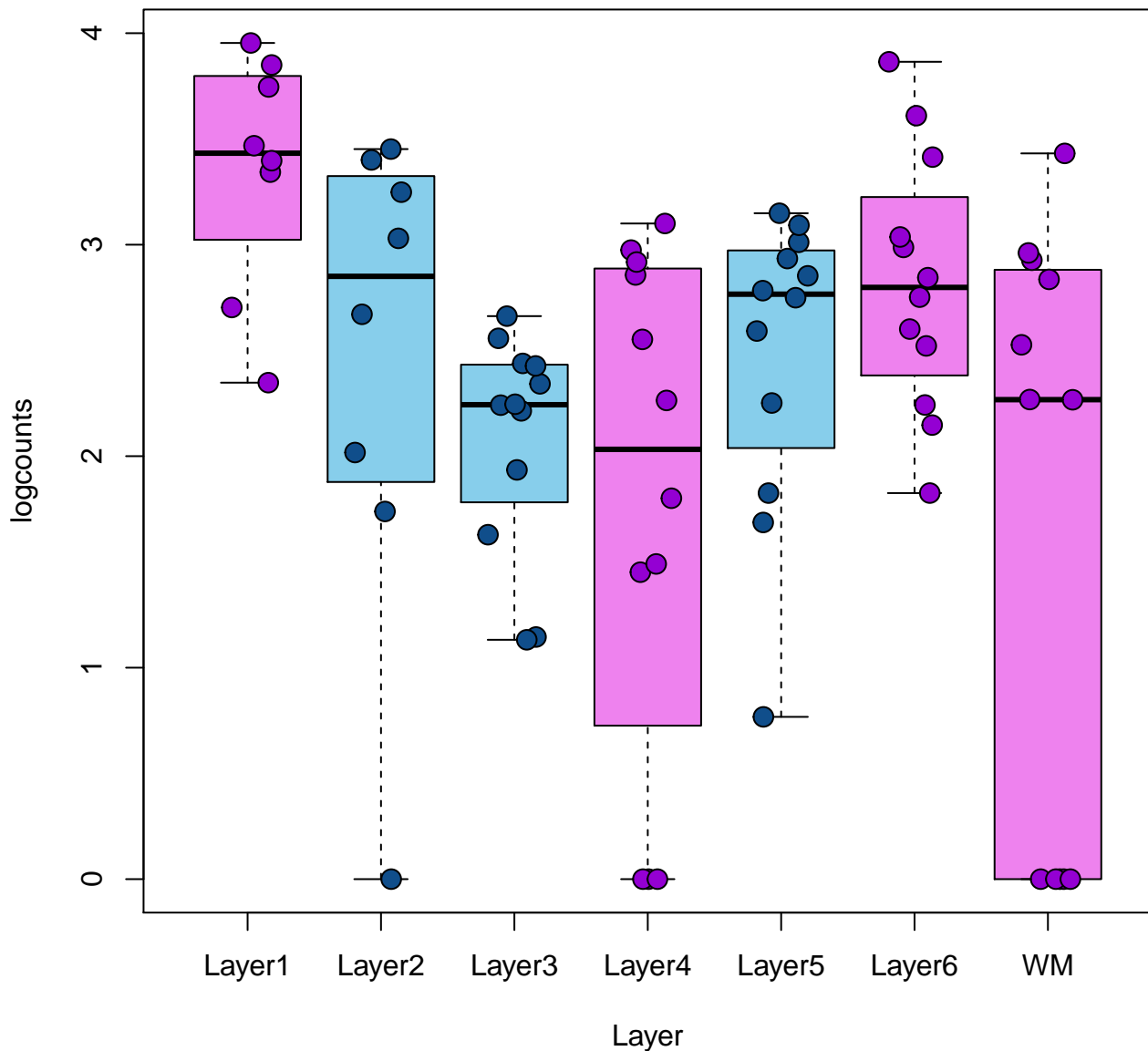
tstat 3.27e-01 p 7.45e-01 rank 17723



# DIAPH3 ENSG00000139734 mouse marker (BM)

Layer2+Layer3+Layer5 vs others

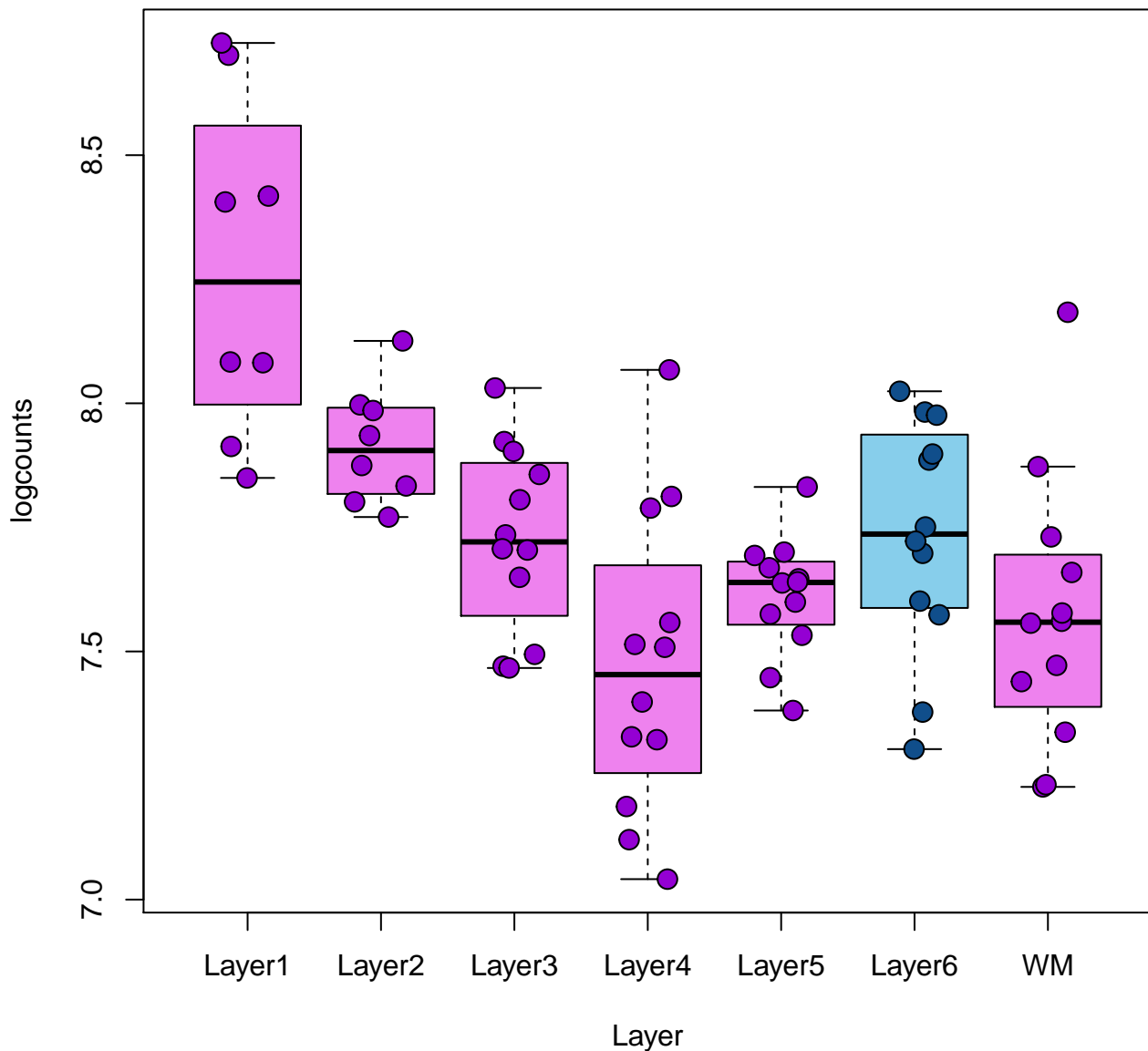
tstat 7.75e-02 p 9.38e-01 rank 21620



# PPP1R1B ENSG00000131771 mouse marker (BM)

Layer6 vs others

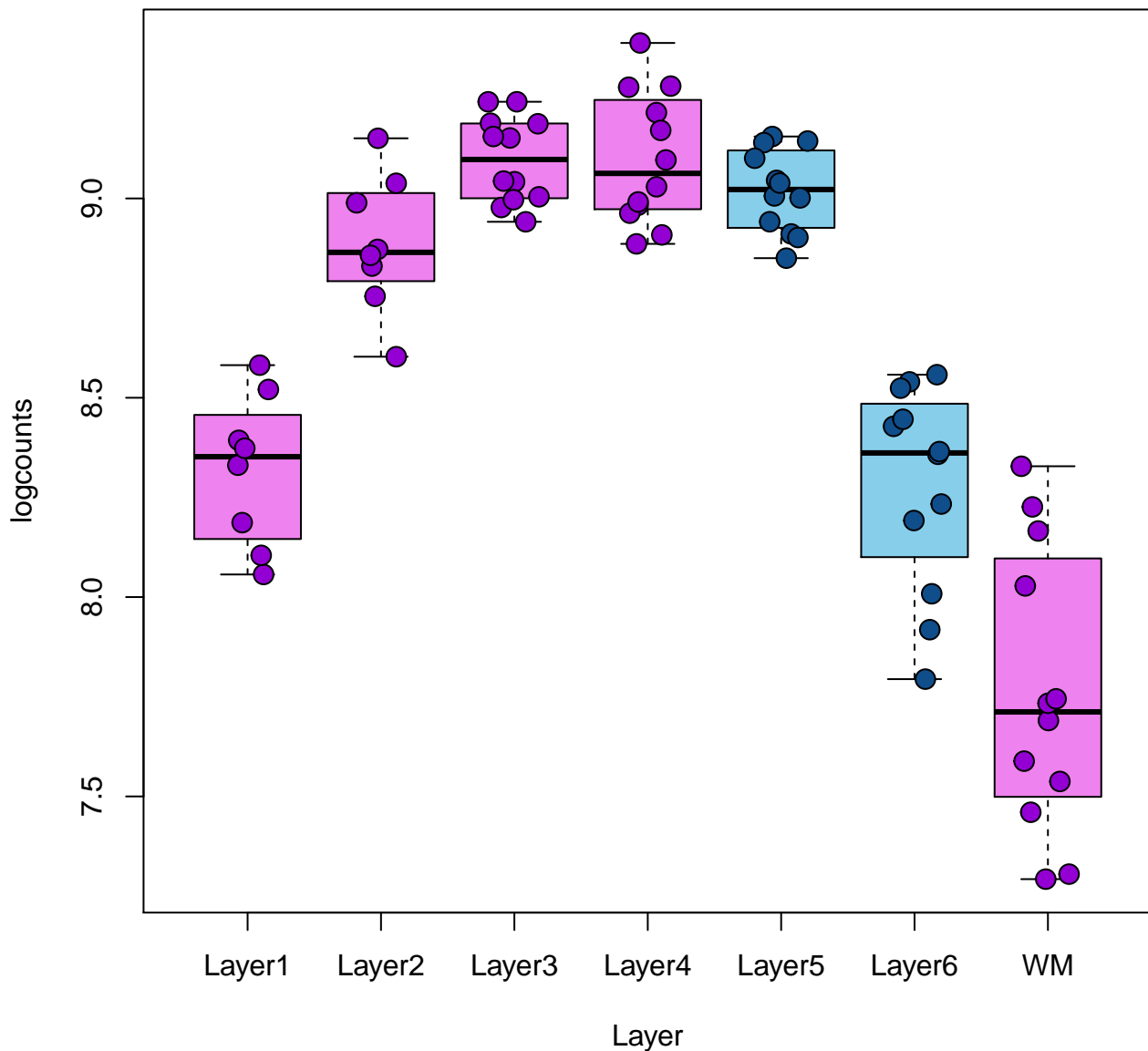
tstat 7.44e-02 p 9.41e-01 rank 21246



# CRYM ENSG00000103316 mouse marker (BM)

Layer5+Layer6 vs others

tstat 4.02e-02 p 9.68e-01 rank 21847



# SYT9 ENSG00000170743 mouse marker (BM)

Layer5 vs others

tstat  $-3.64e-02$  p  $9.71e-01$  rank 21827

