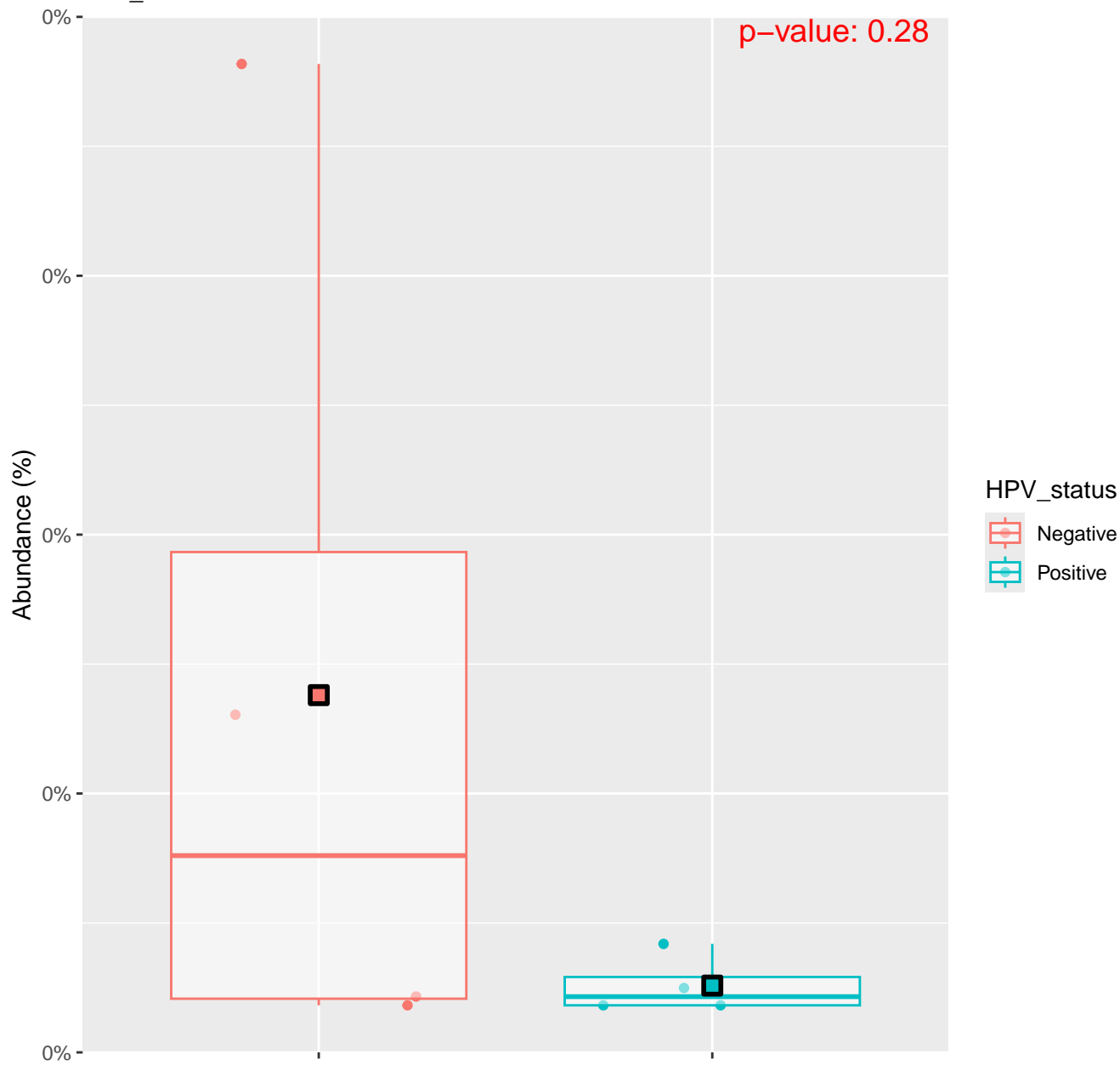
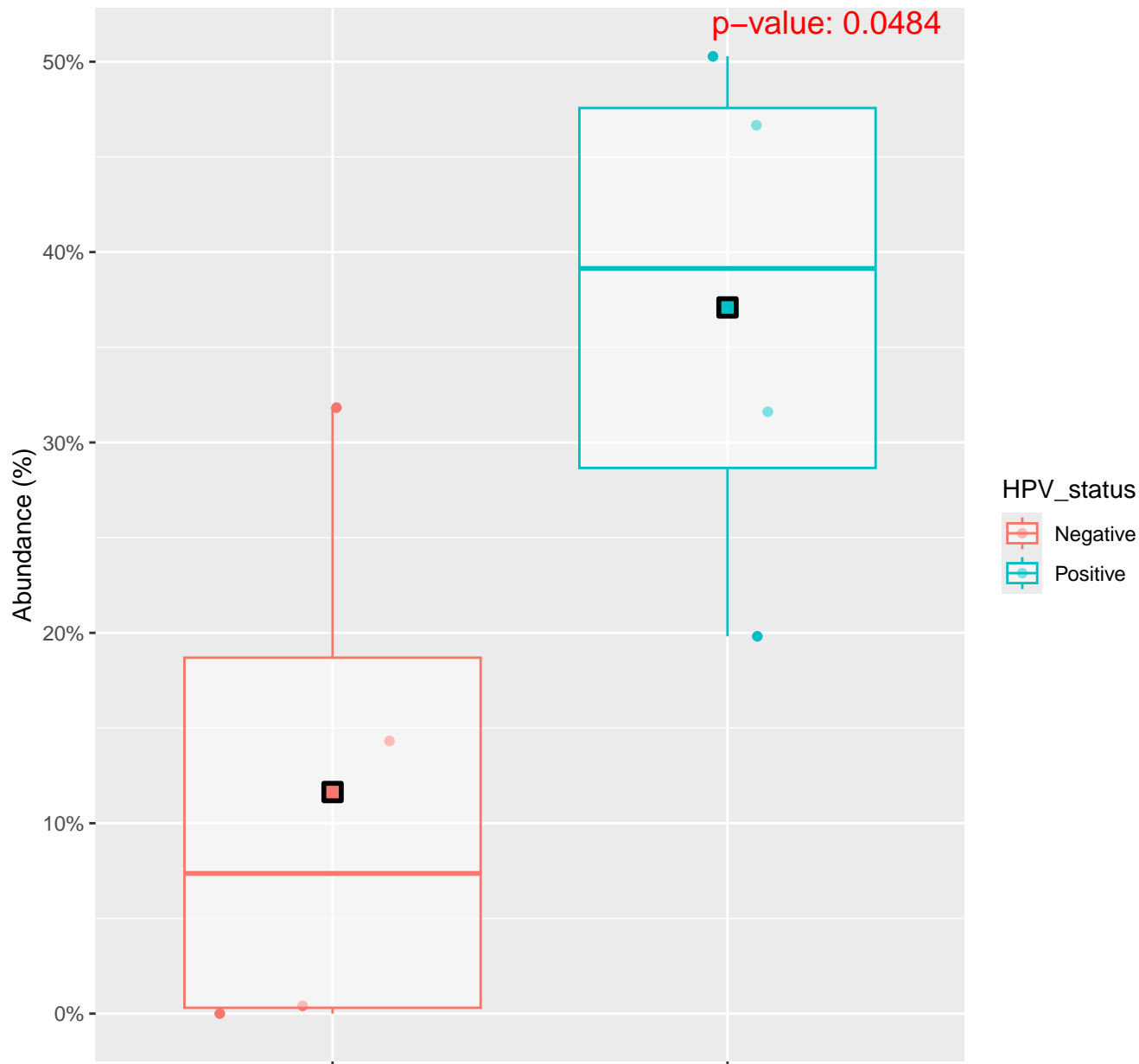


imm\_xcell

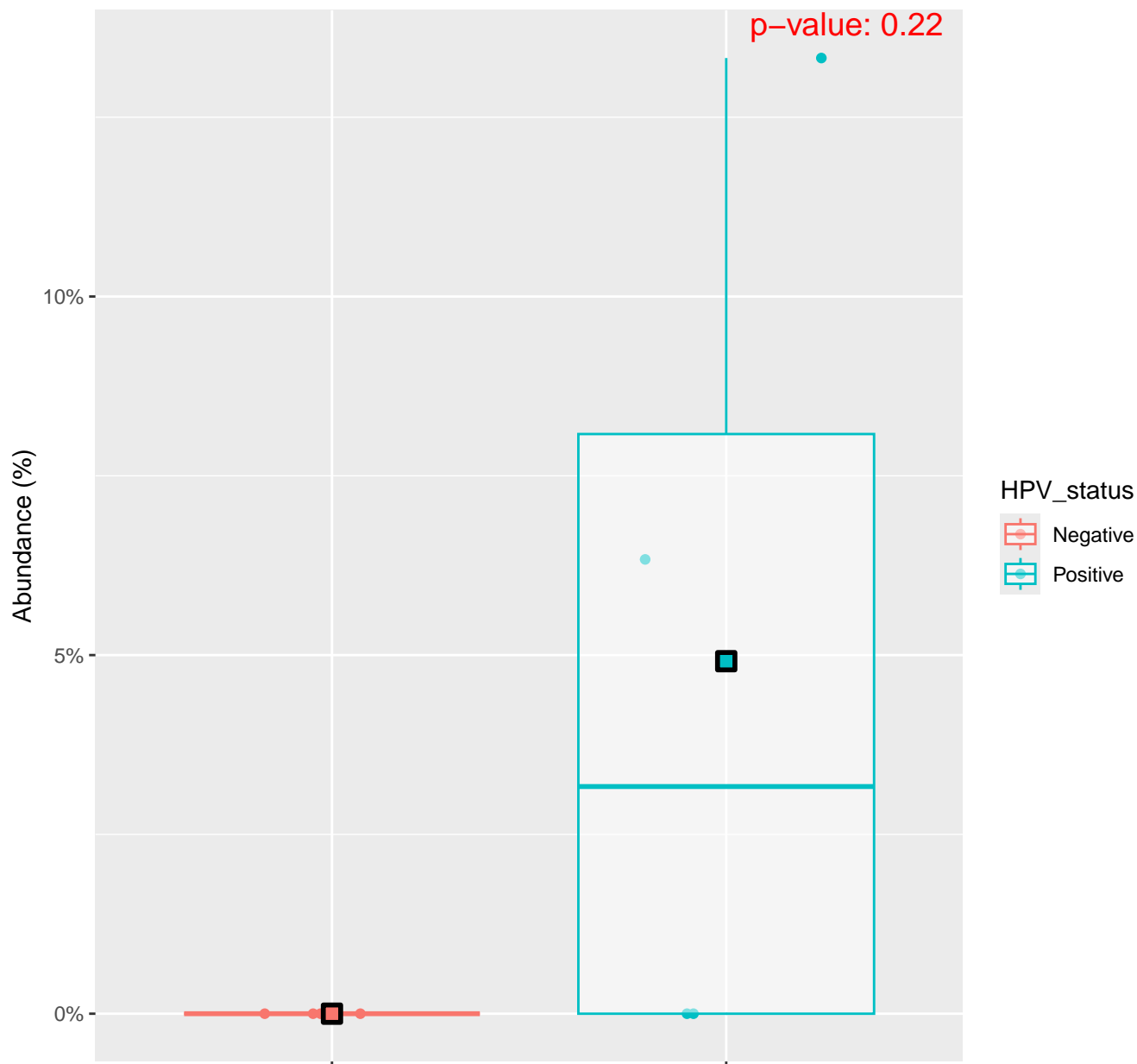


B\_cell  
imm\_xcell



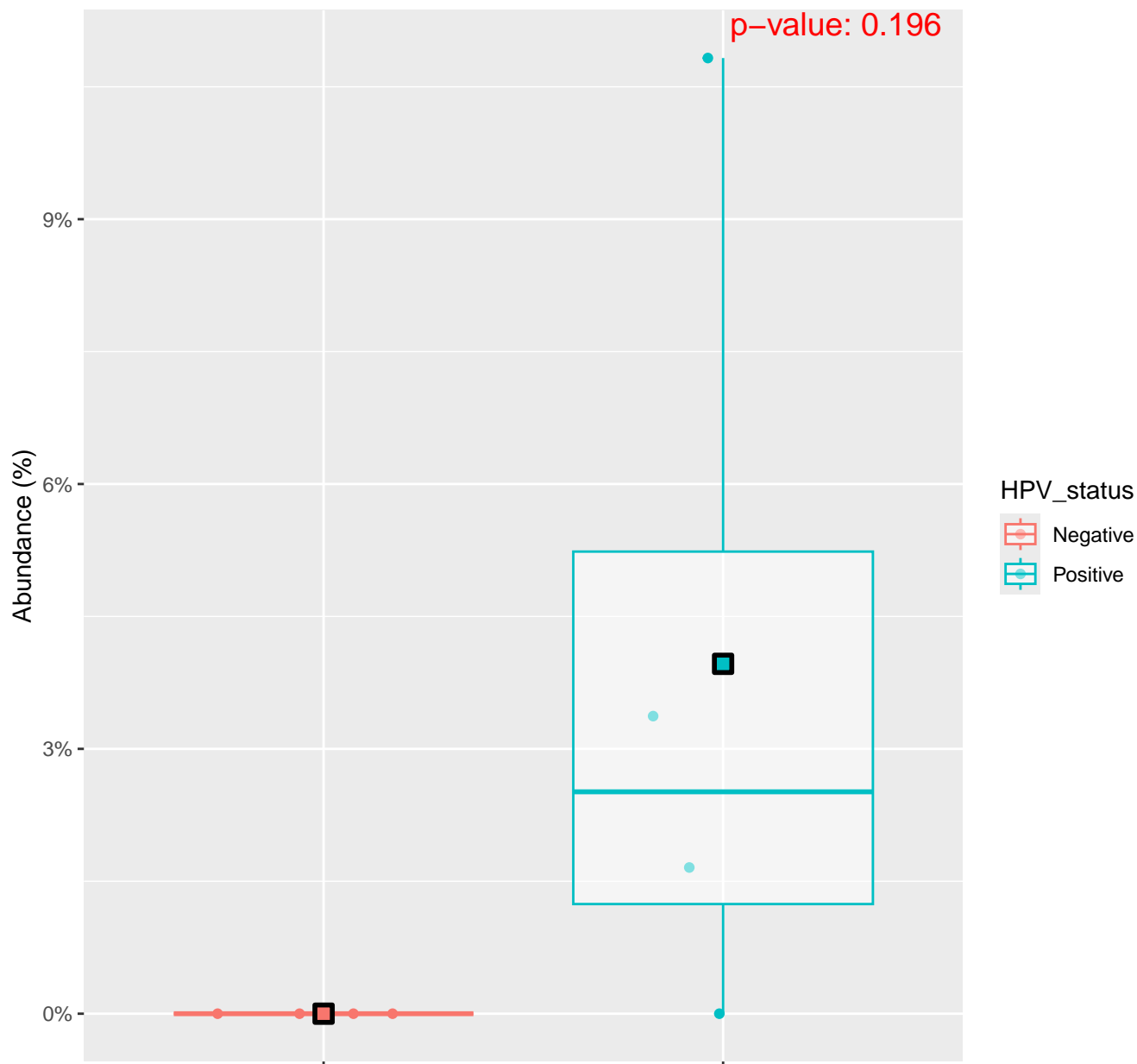
T\_cell\_CD4+\_memory

imm\_xcell

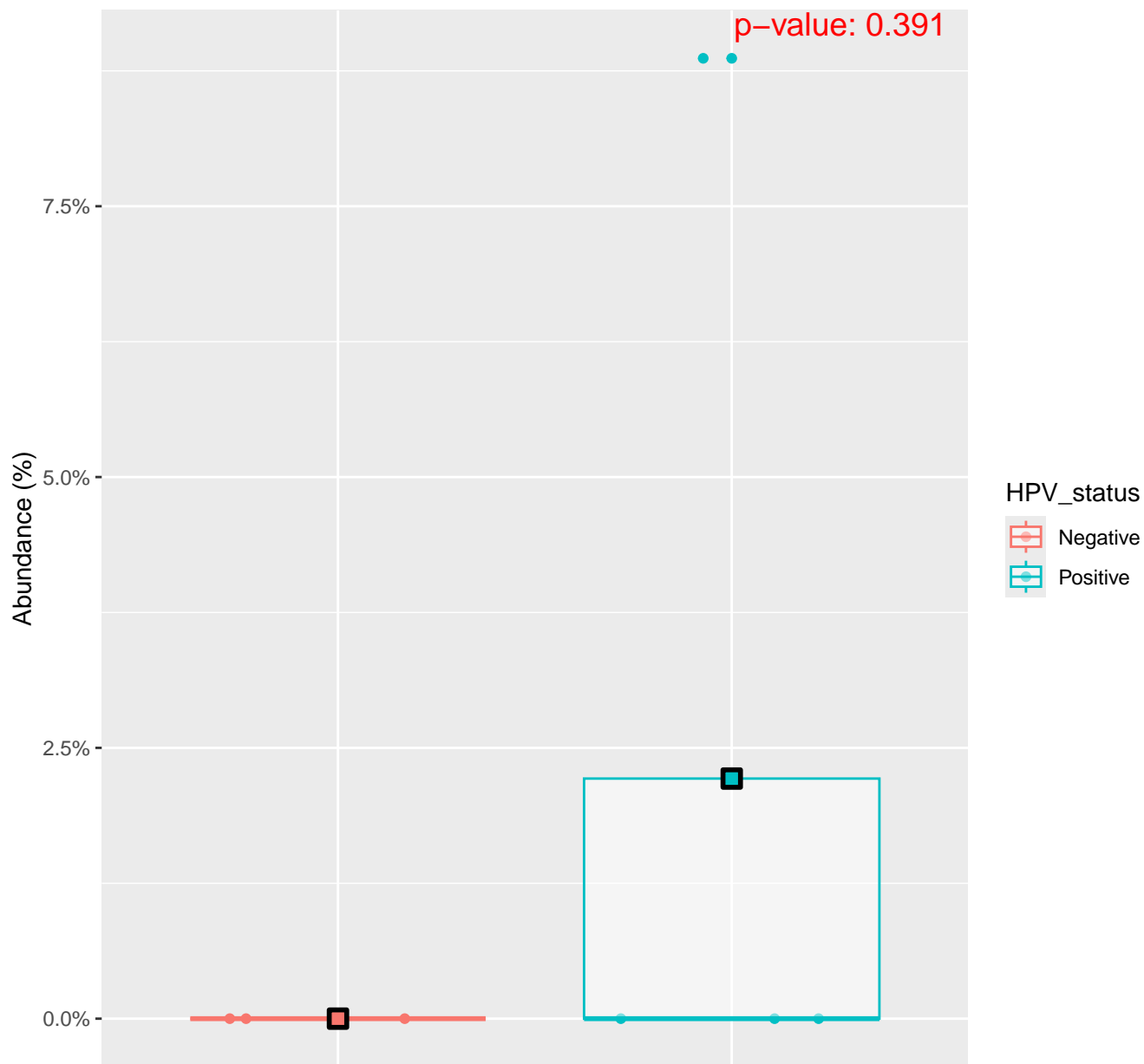


T\_cell\_CD4+\_naive

imm\_xcell

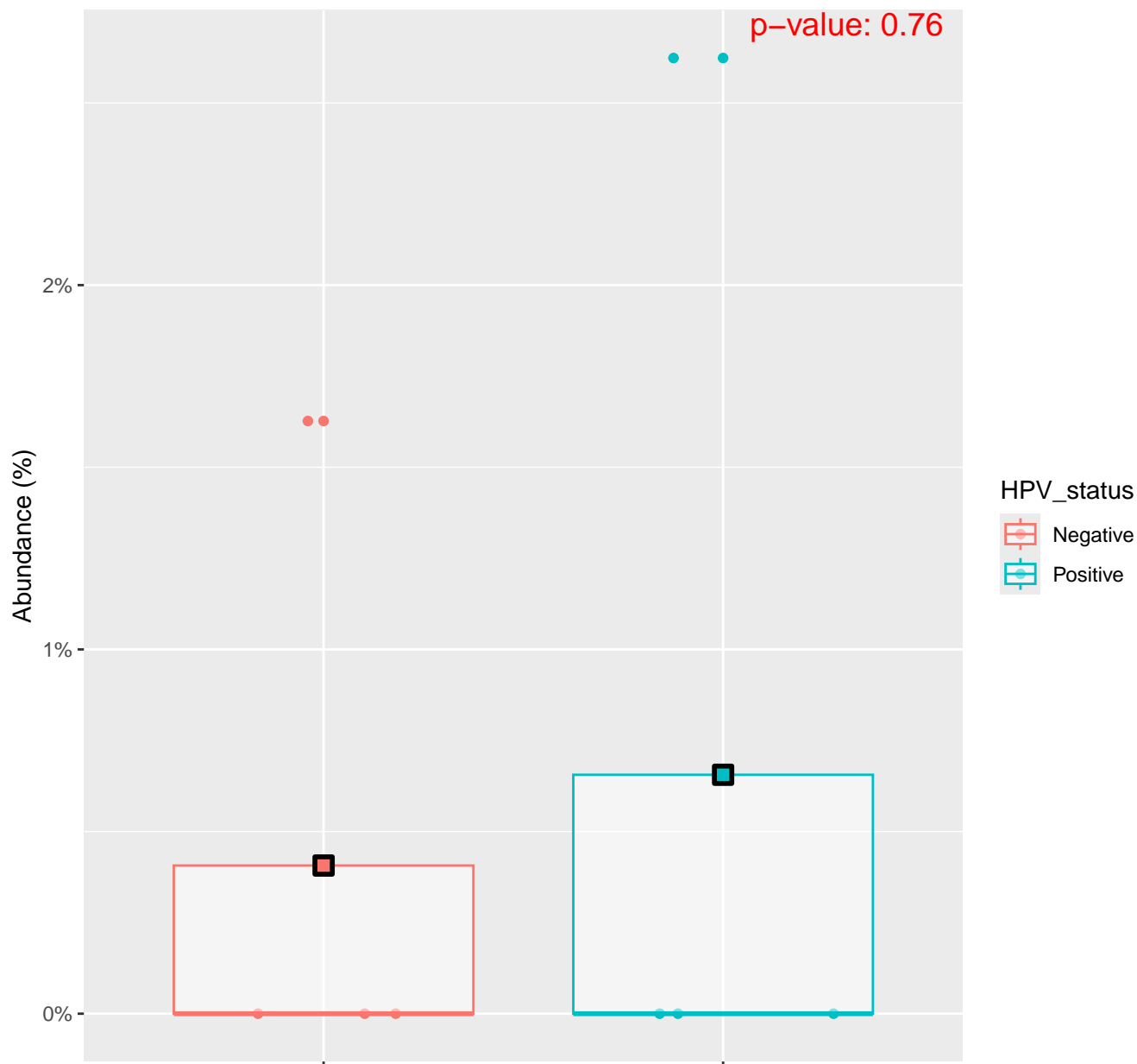


imm\_xcell

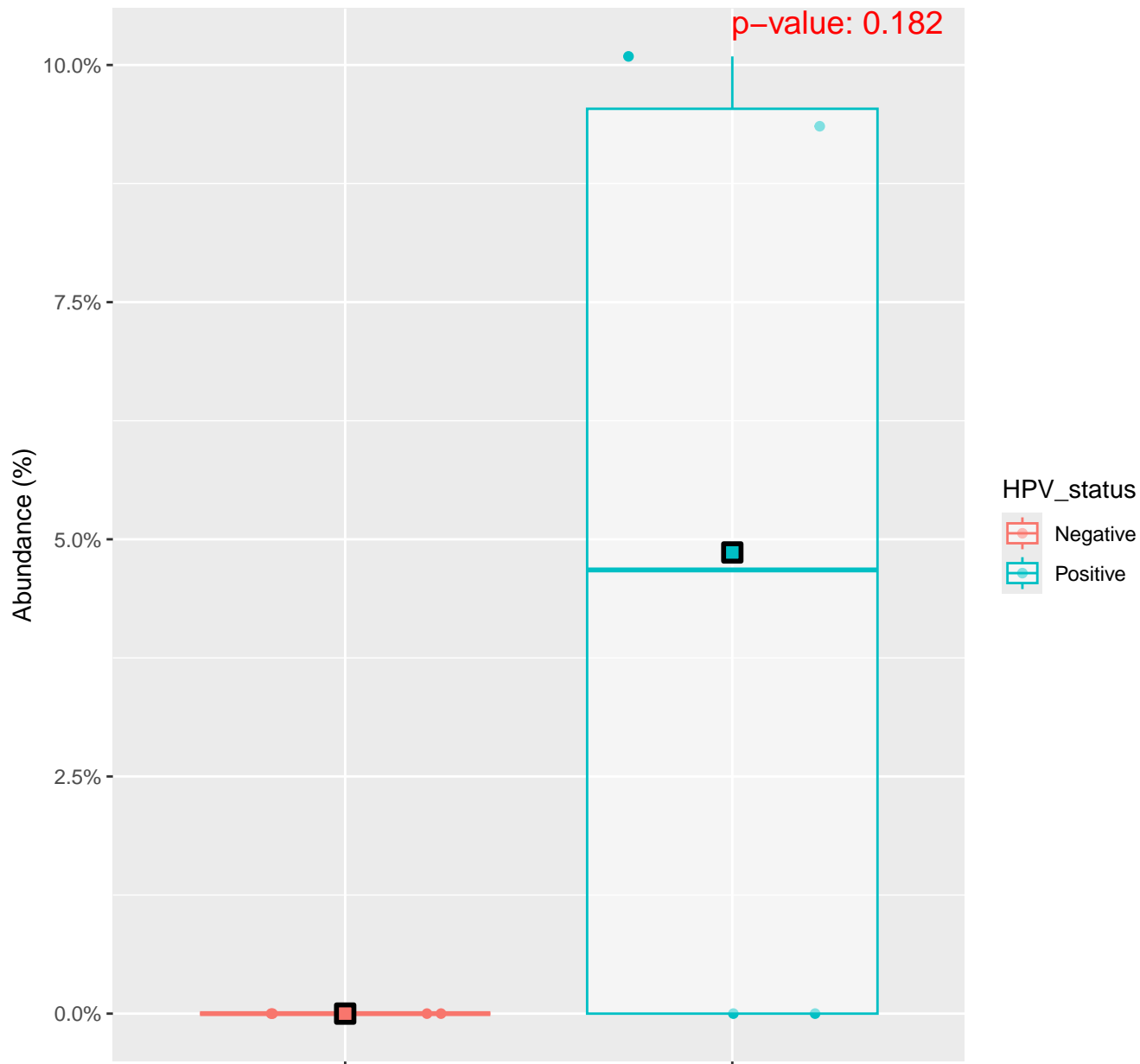


T\_cell\_CD4+\_central\_memory

imm\_xcell

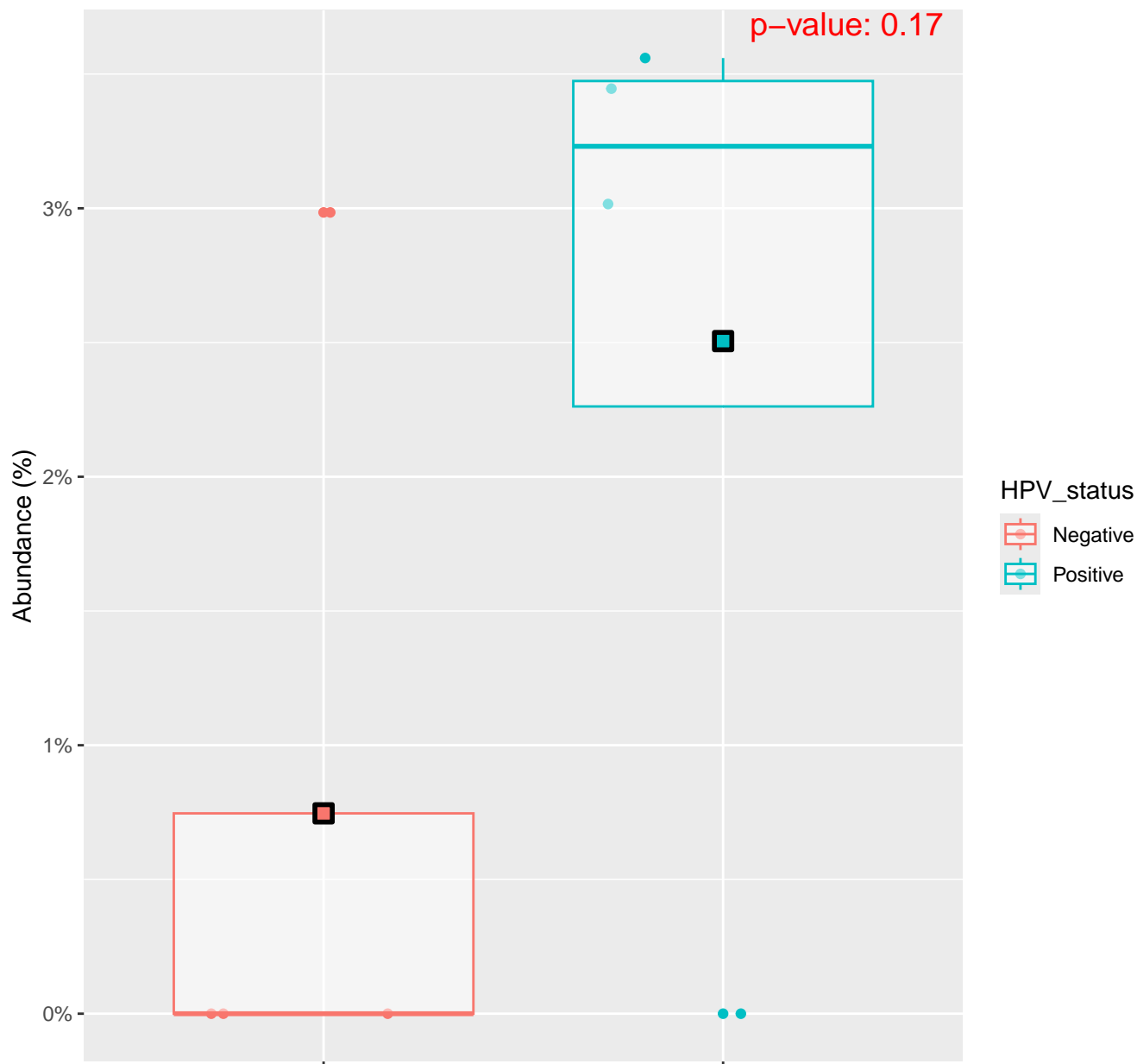


imm\_xcell



T\_cell\_CD8+\_naive

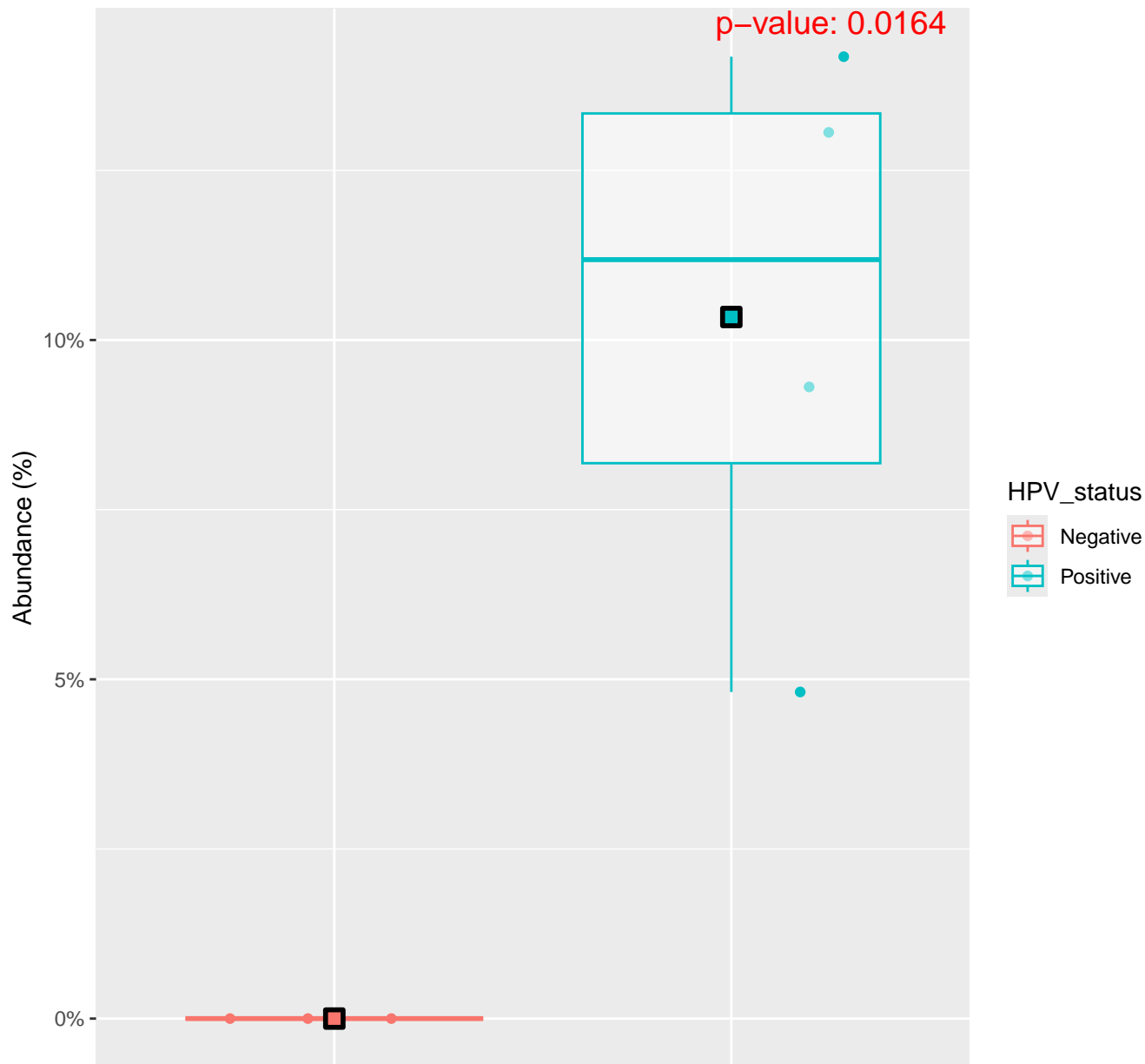
imm\_xcell





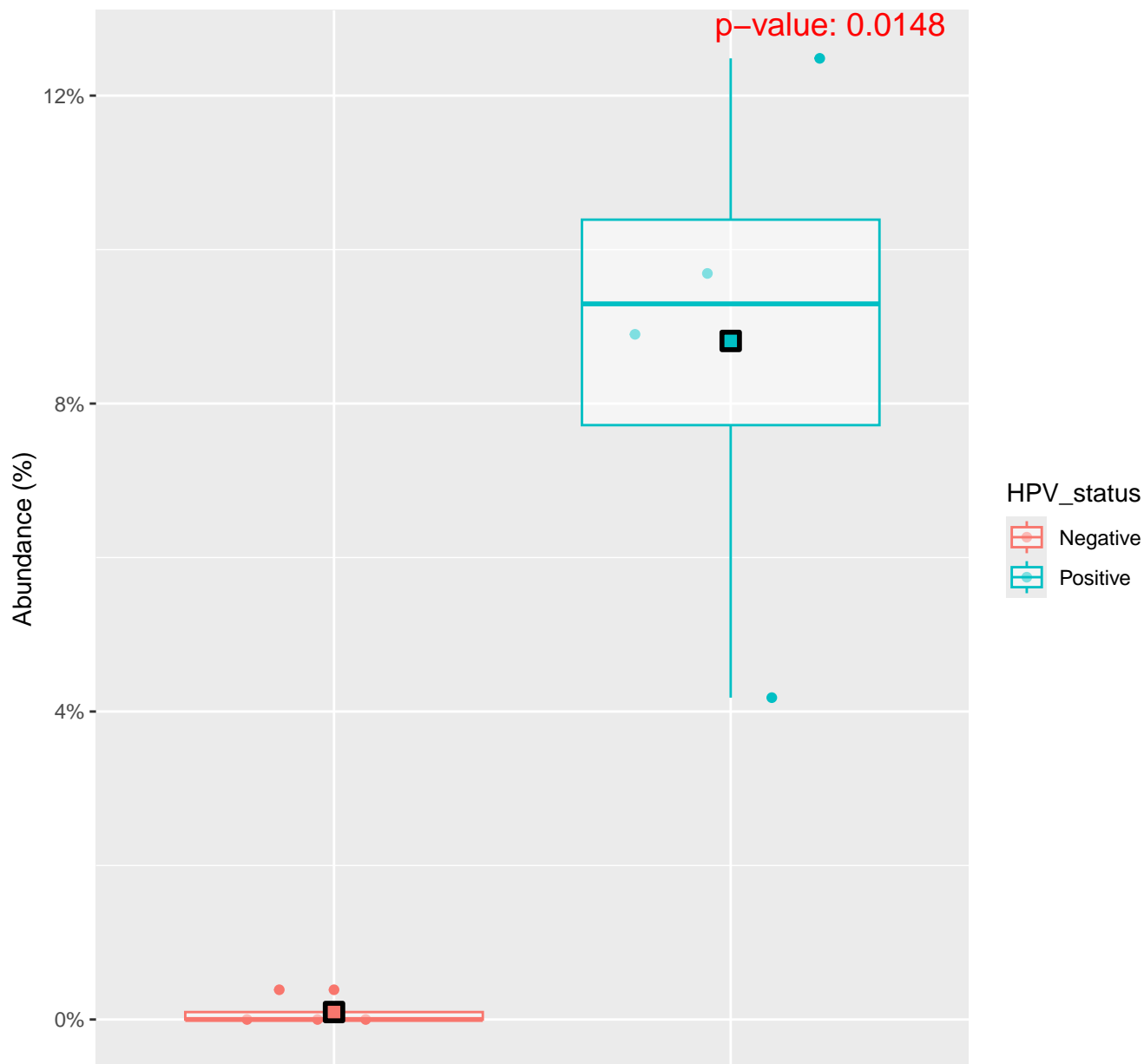
T\_cell\_CD8+

imm\_xcell



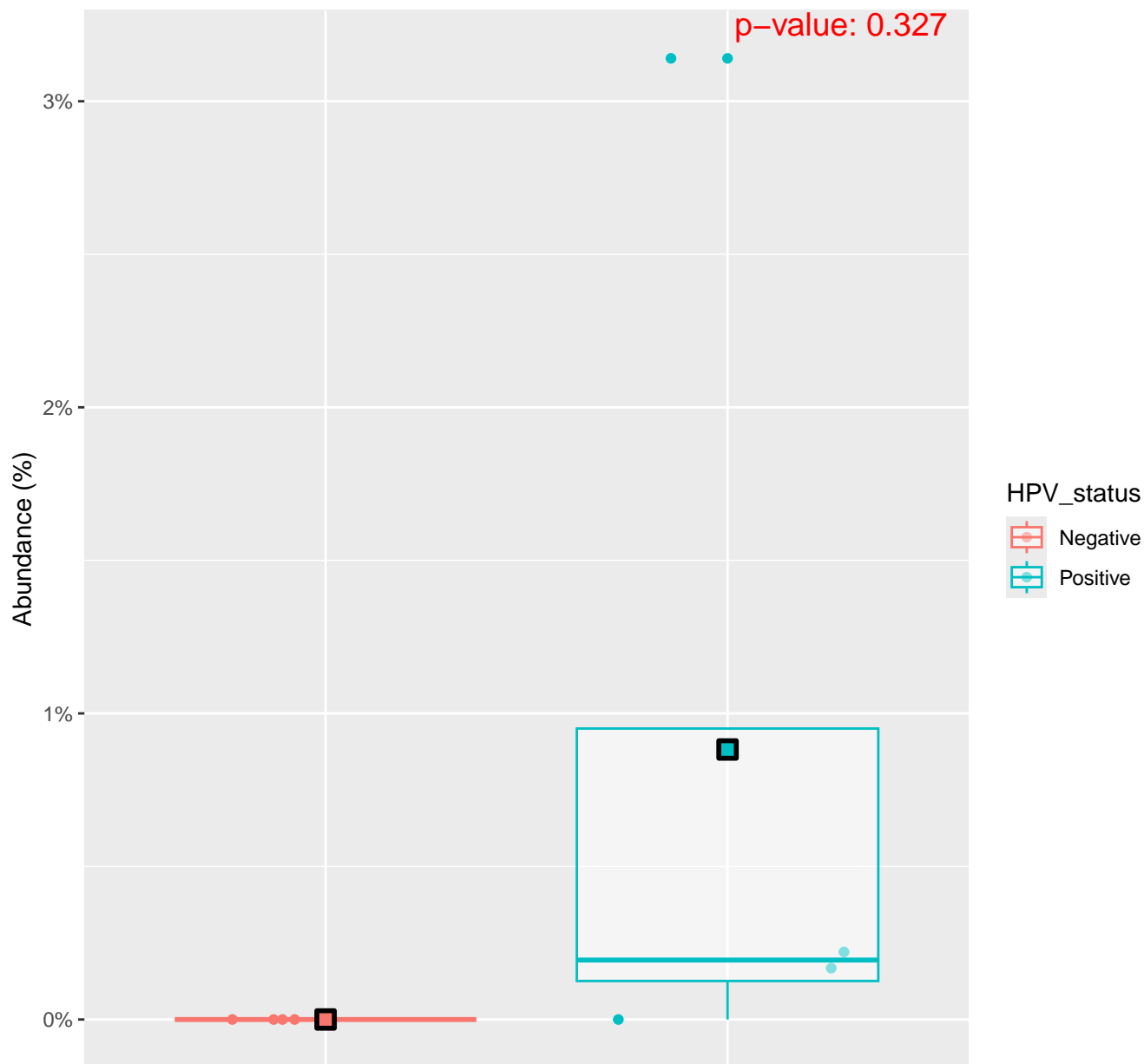
T\_cell\_CD8+\_central\_memory

imm\_xcell



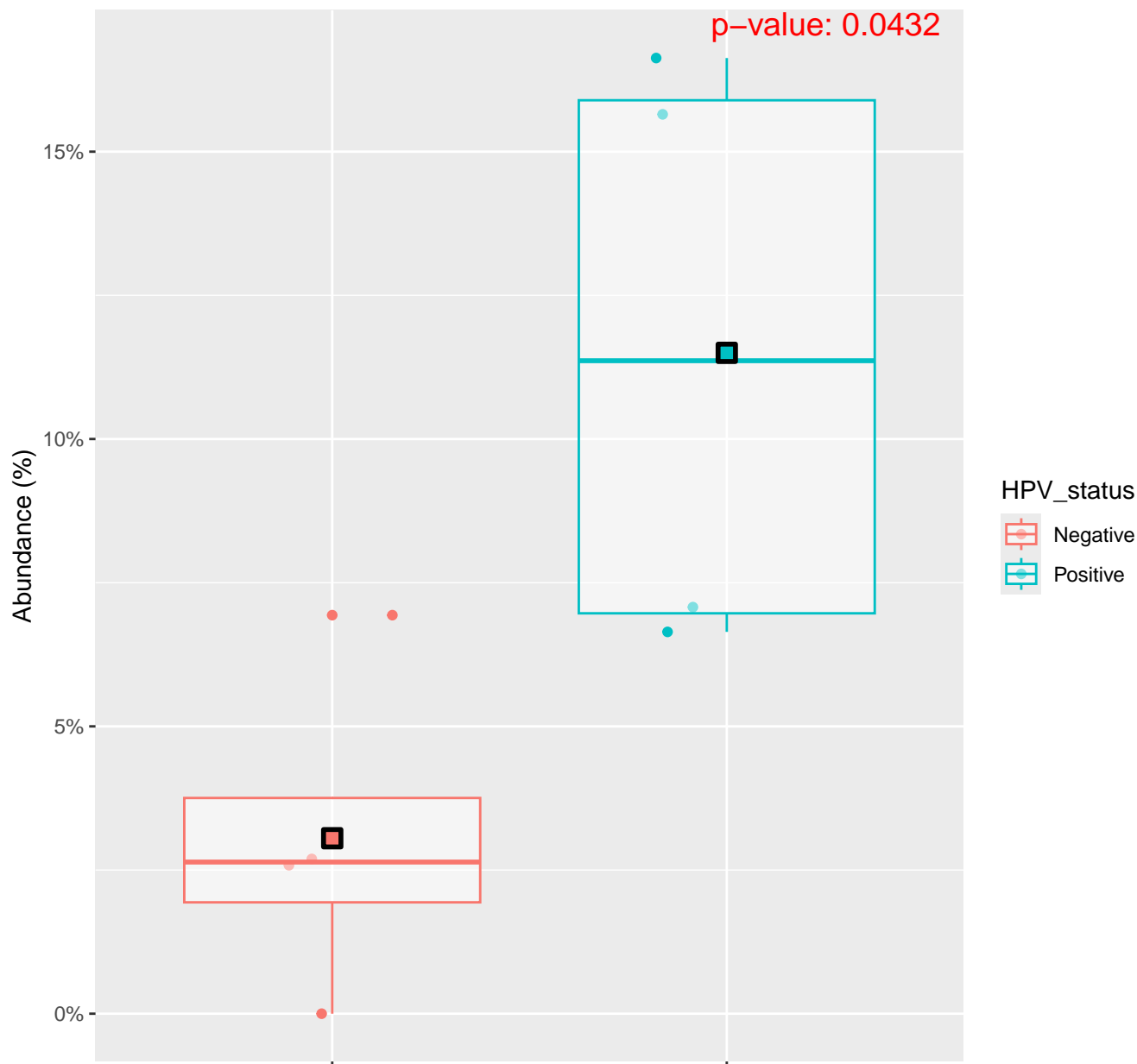
T\_cell\_CD8+\_effector\_memory

imm\_xcell



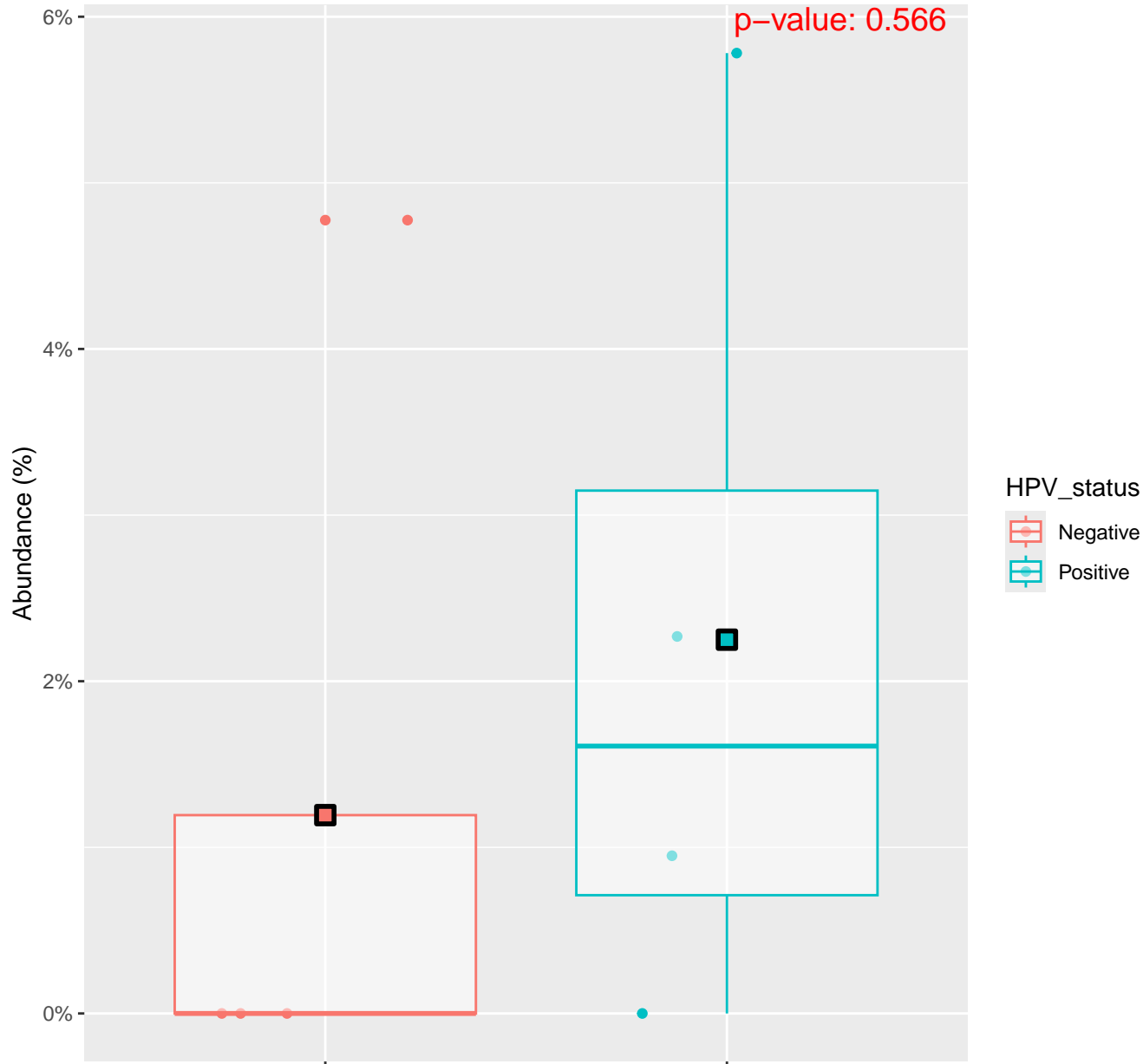
# Class-switched\_memory\_B\_cell

imm\_xcell



# Common\_lymphoid\_progenitor

imm\_xcell

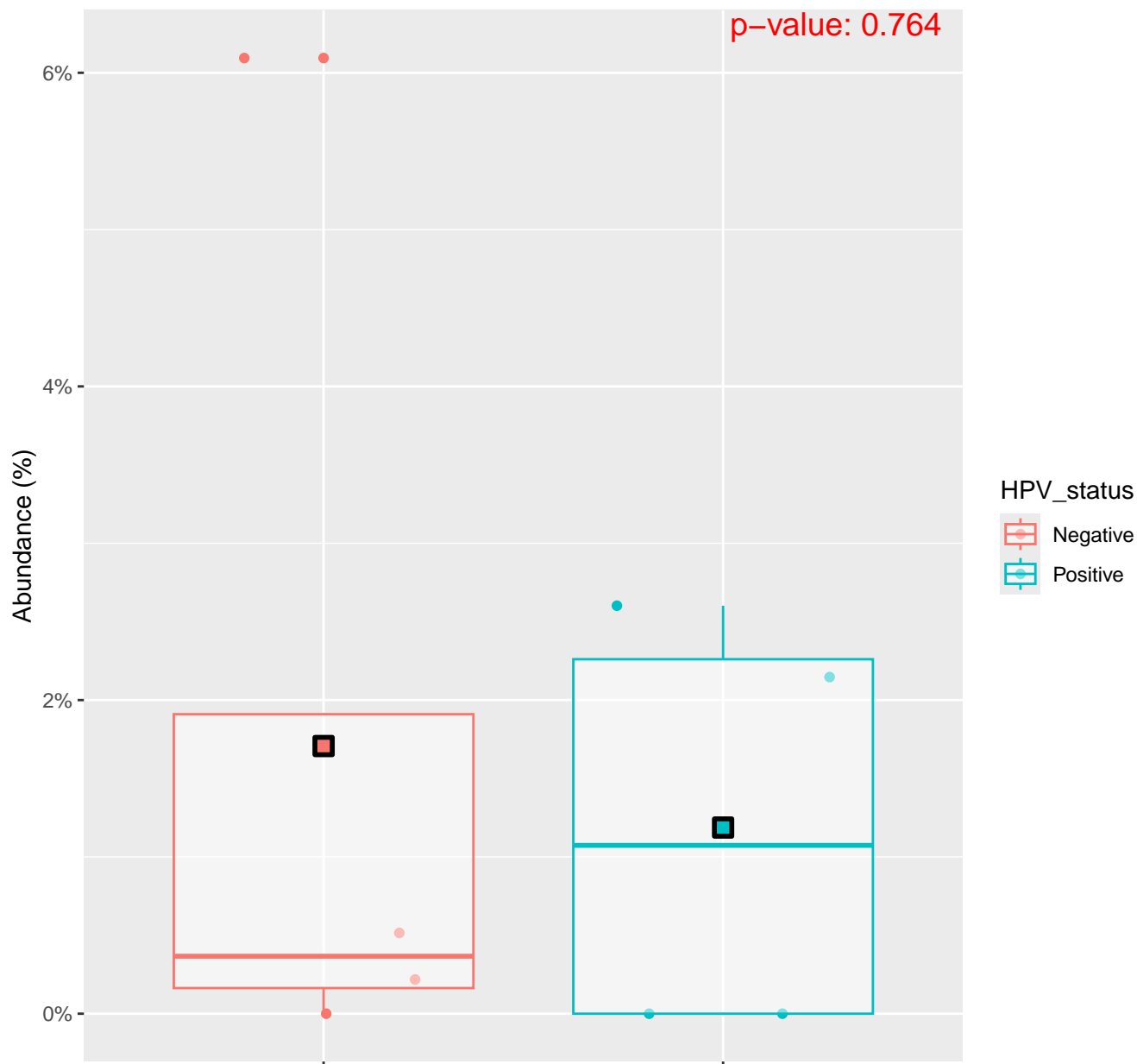


imm\_xcell

0%

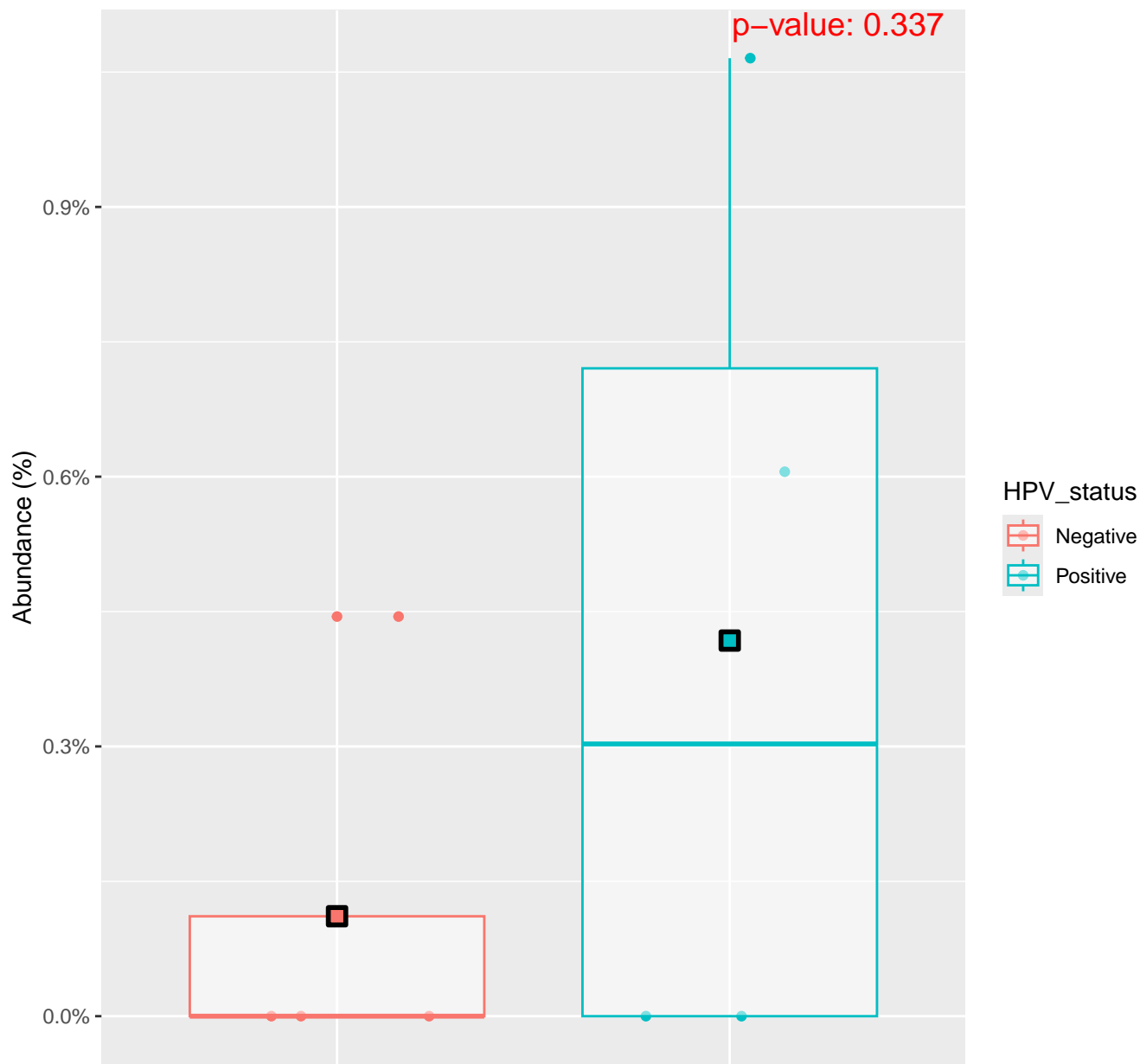
Myeloid\_dendritic\_cell

imm\_xcell



Endothelial\_cell

imm\_xcell





imm\_xcell

imm\_xcell

0%

0%

0%

0%

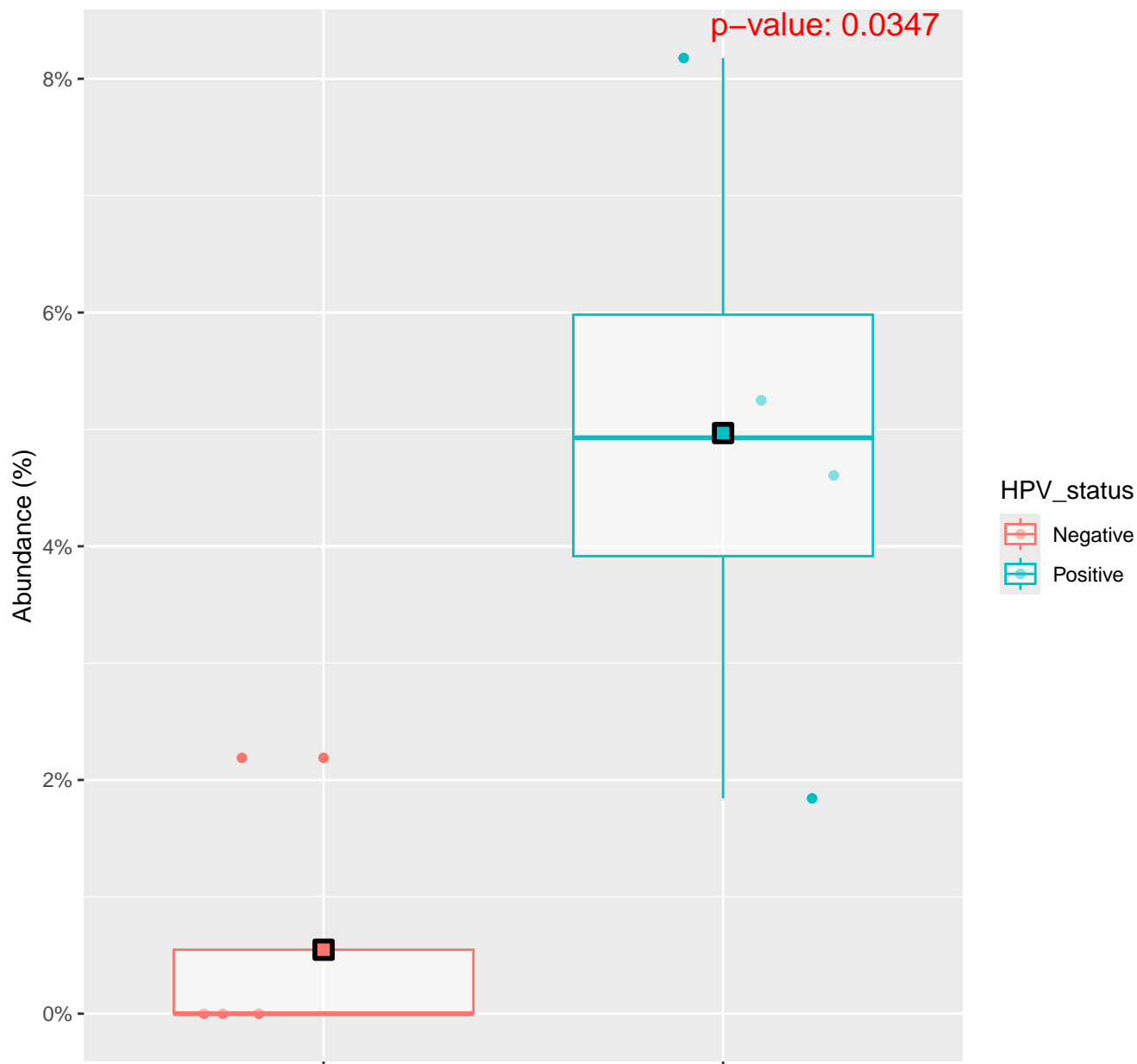
p-value: 0.104

HPV\_status

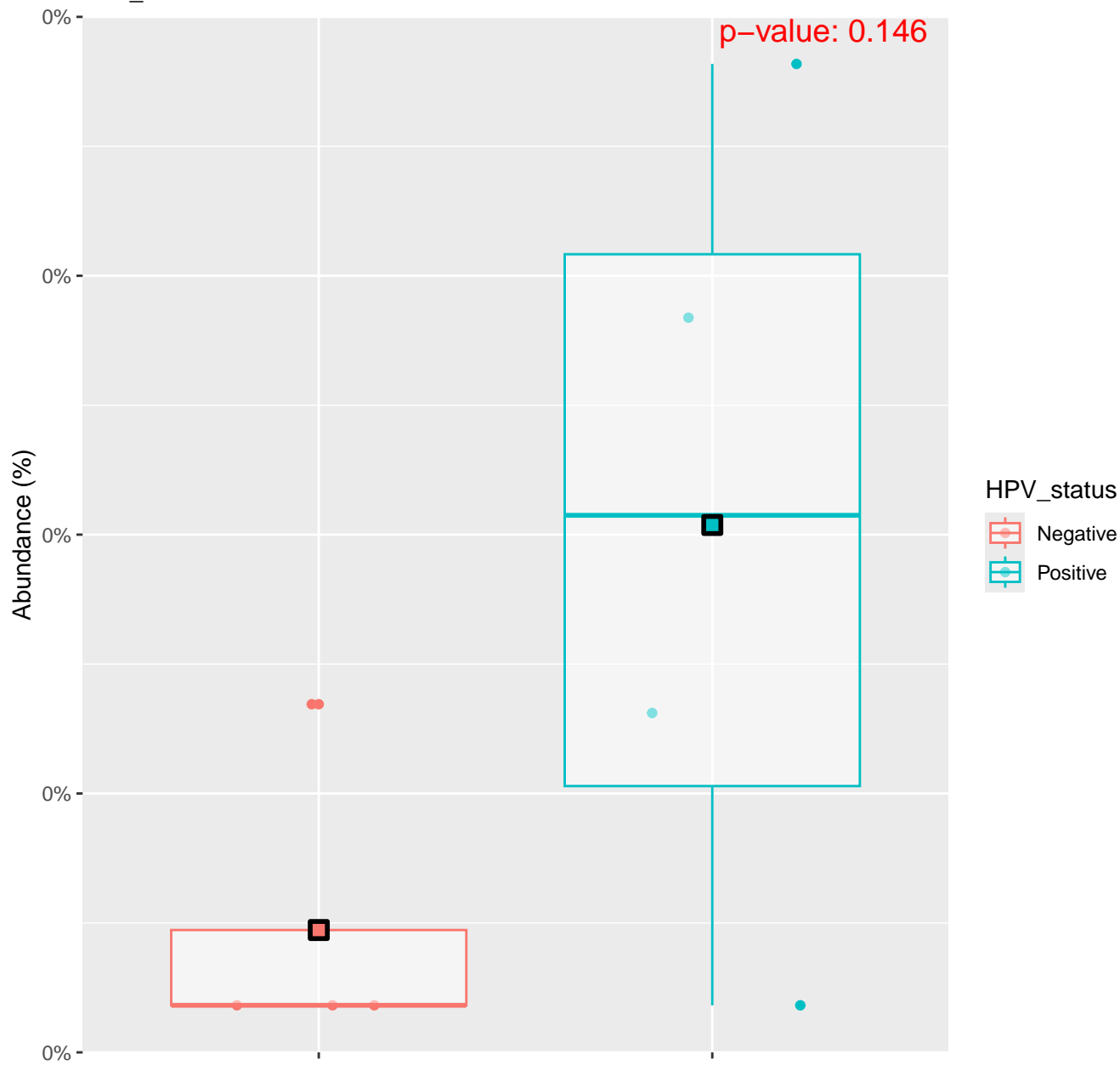
 Negative Positive

Cancer\_associated\_fibroblast

imm\_xcell

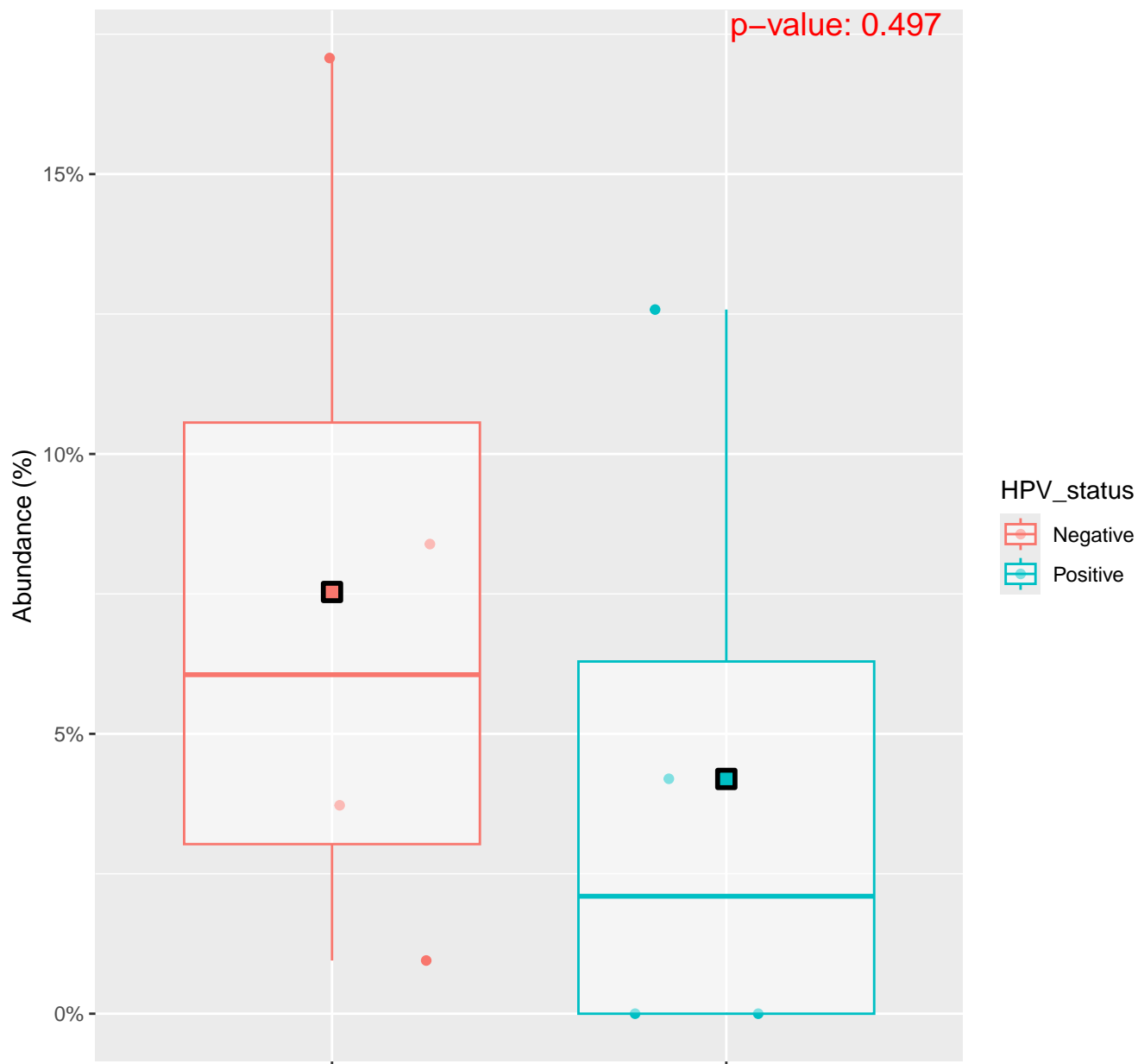


## imm\_xcell



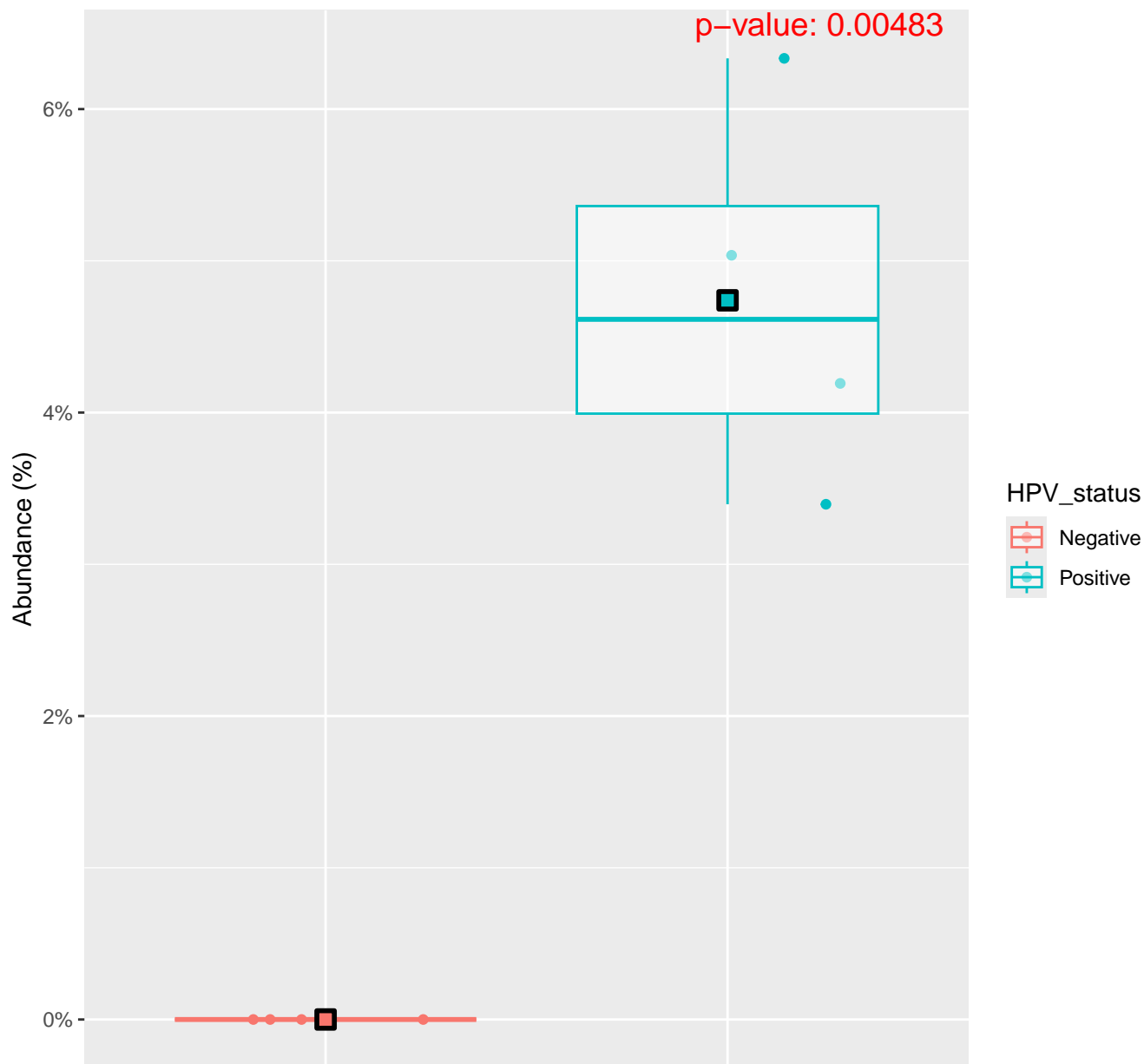
# Hematopoietic\_stem\_cell

imm\_xcell



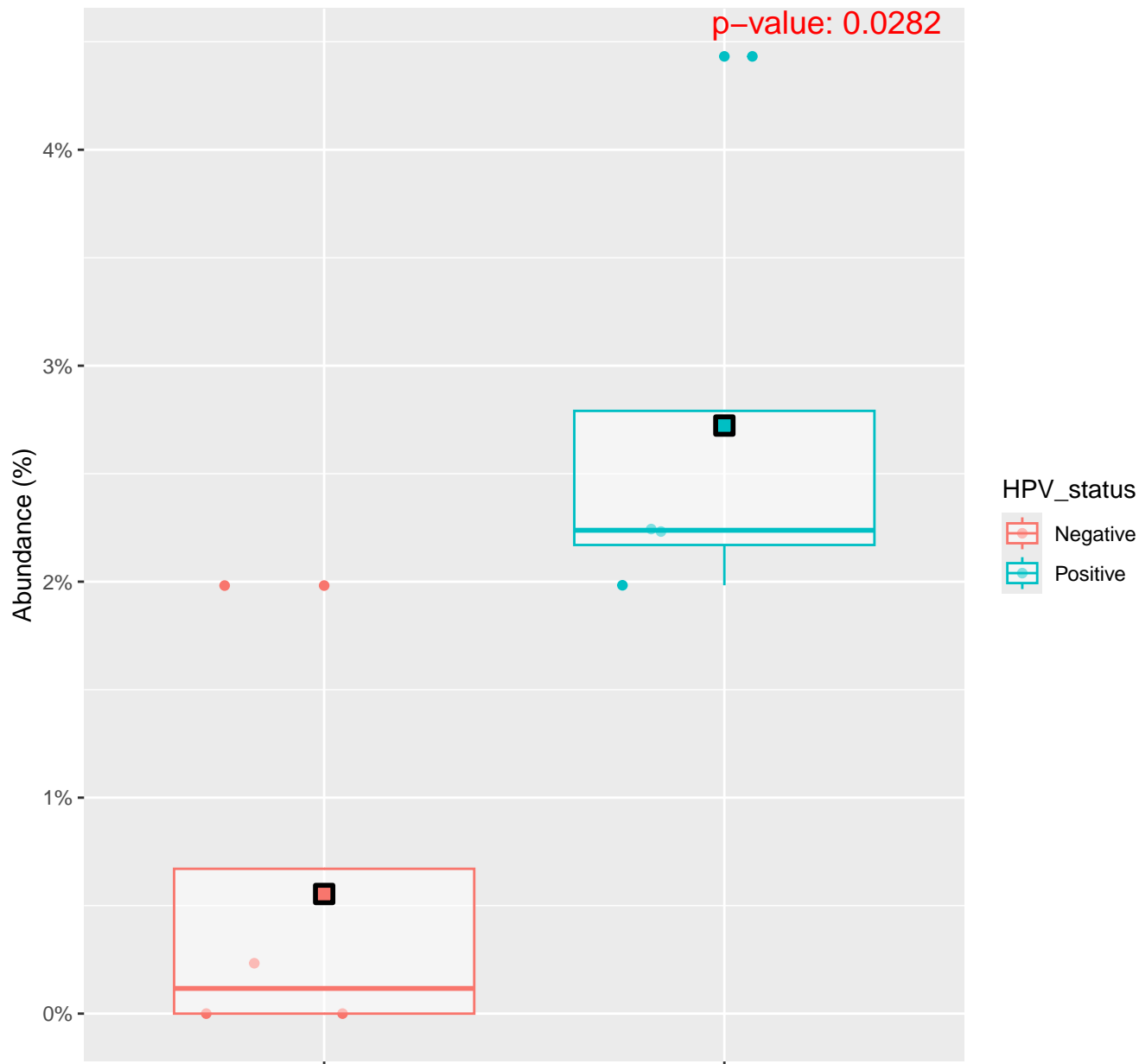
# Macrophage

imm\_xcell



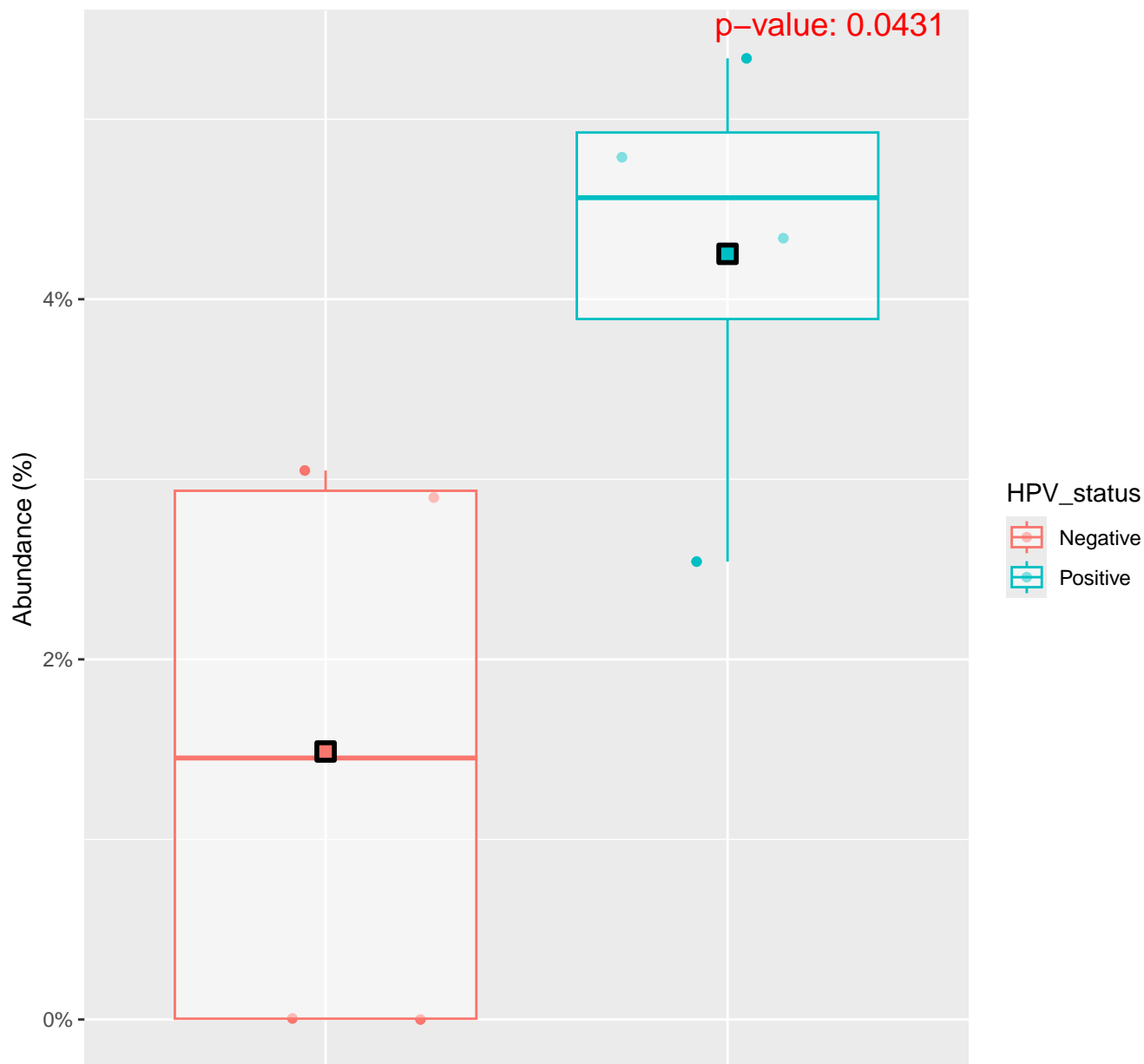
# Macrophage\_M1

imm\_xcell



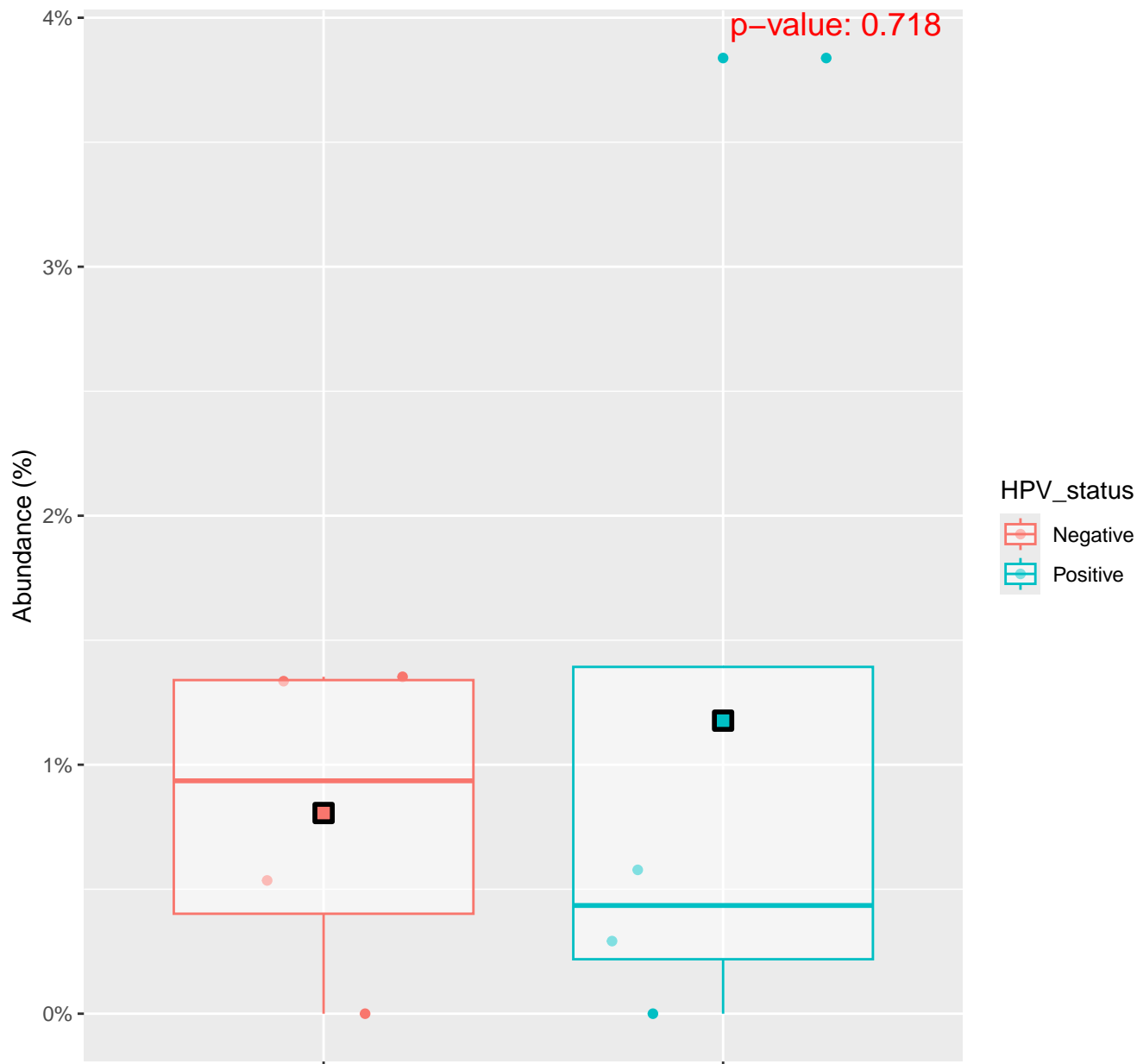
# Macrophage\_M2

imm\_xcell



Mast\_cell

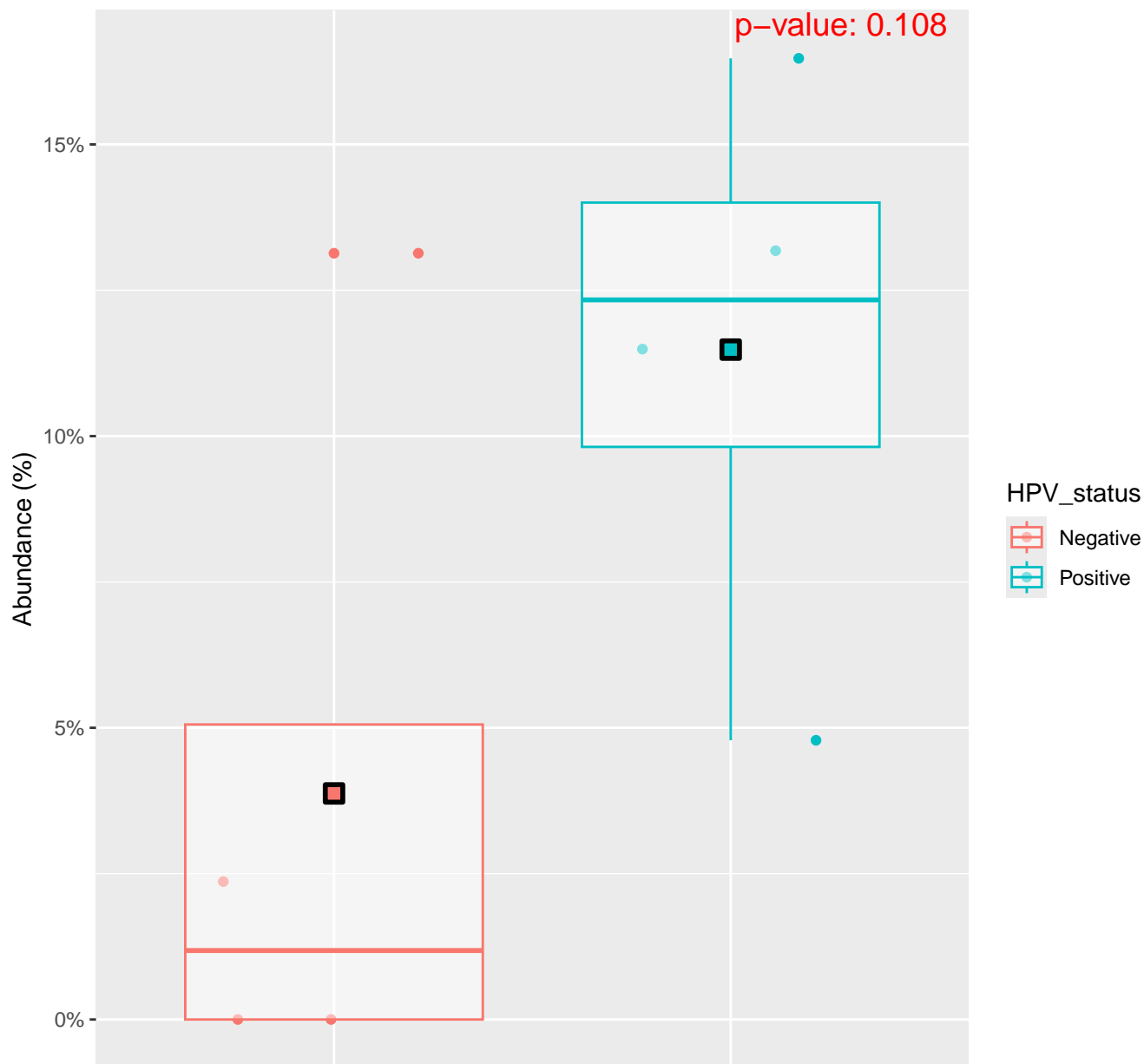
imm\_xcell





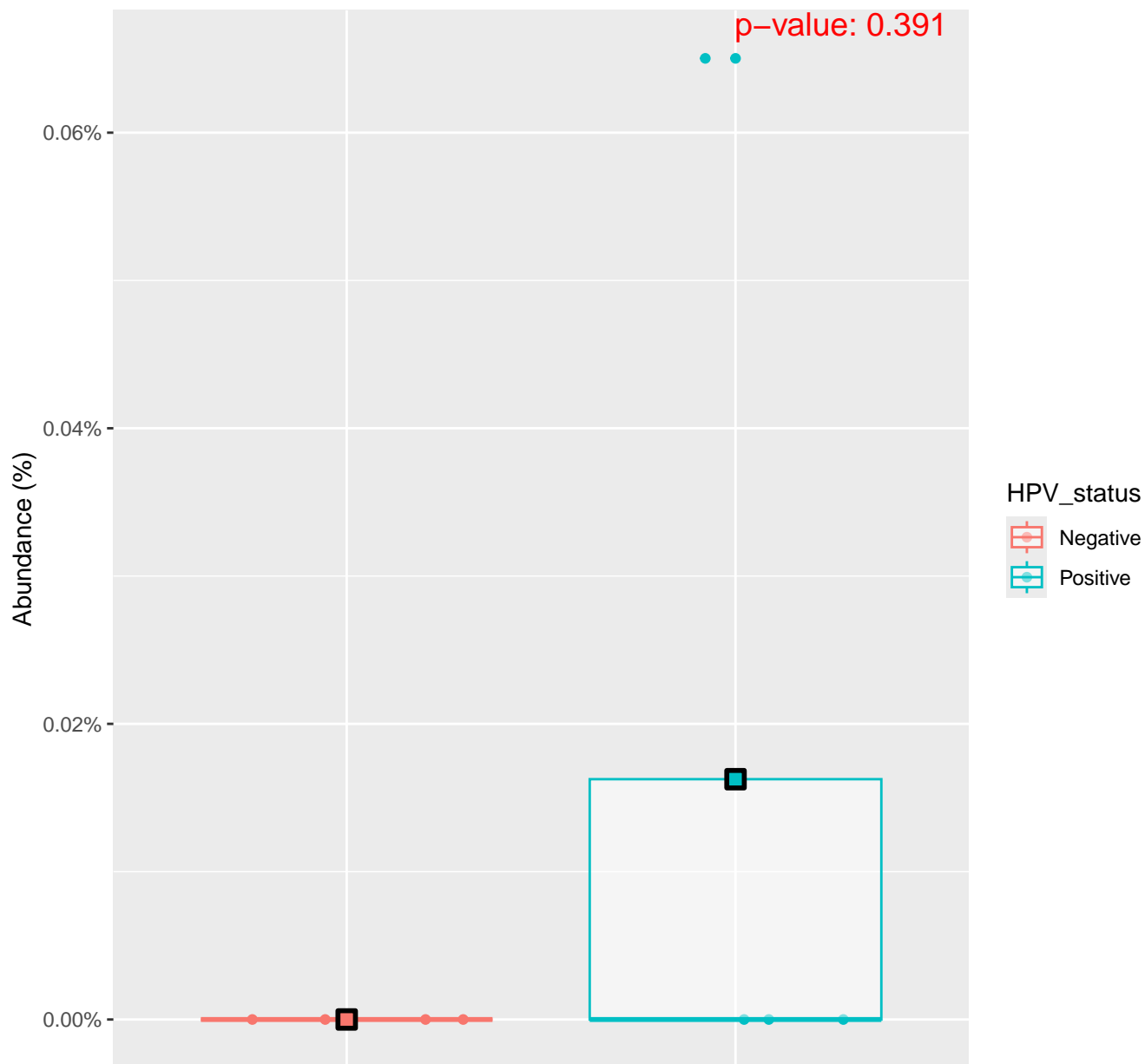
B\_cell\_memory

imm\_xcell

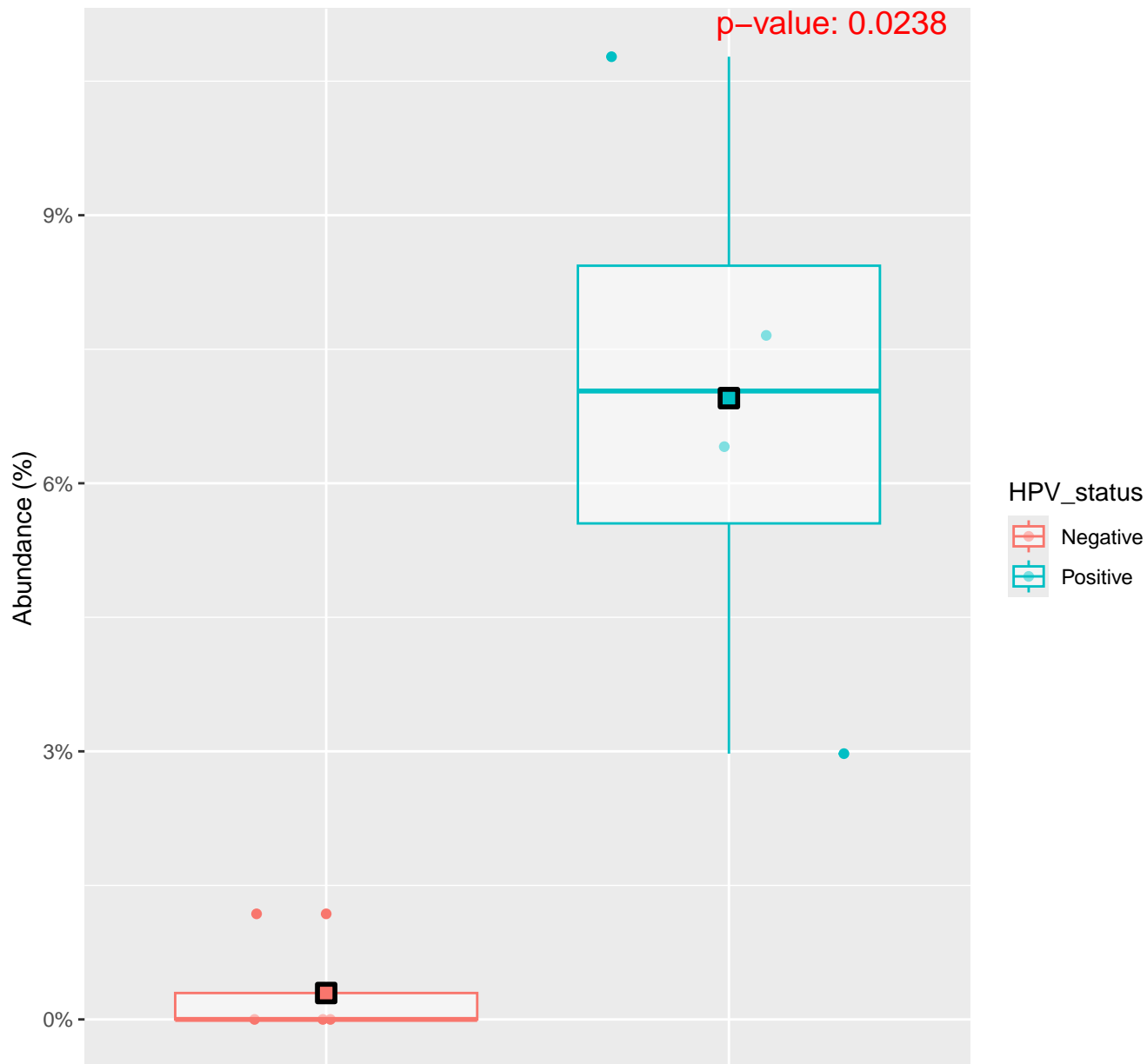


## Monocyte

imm\_xcell

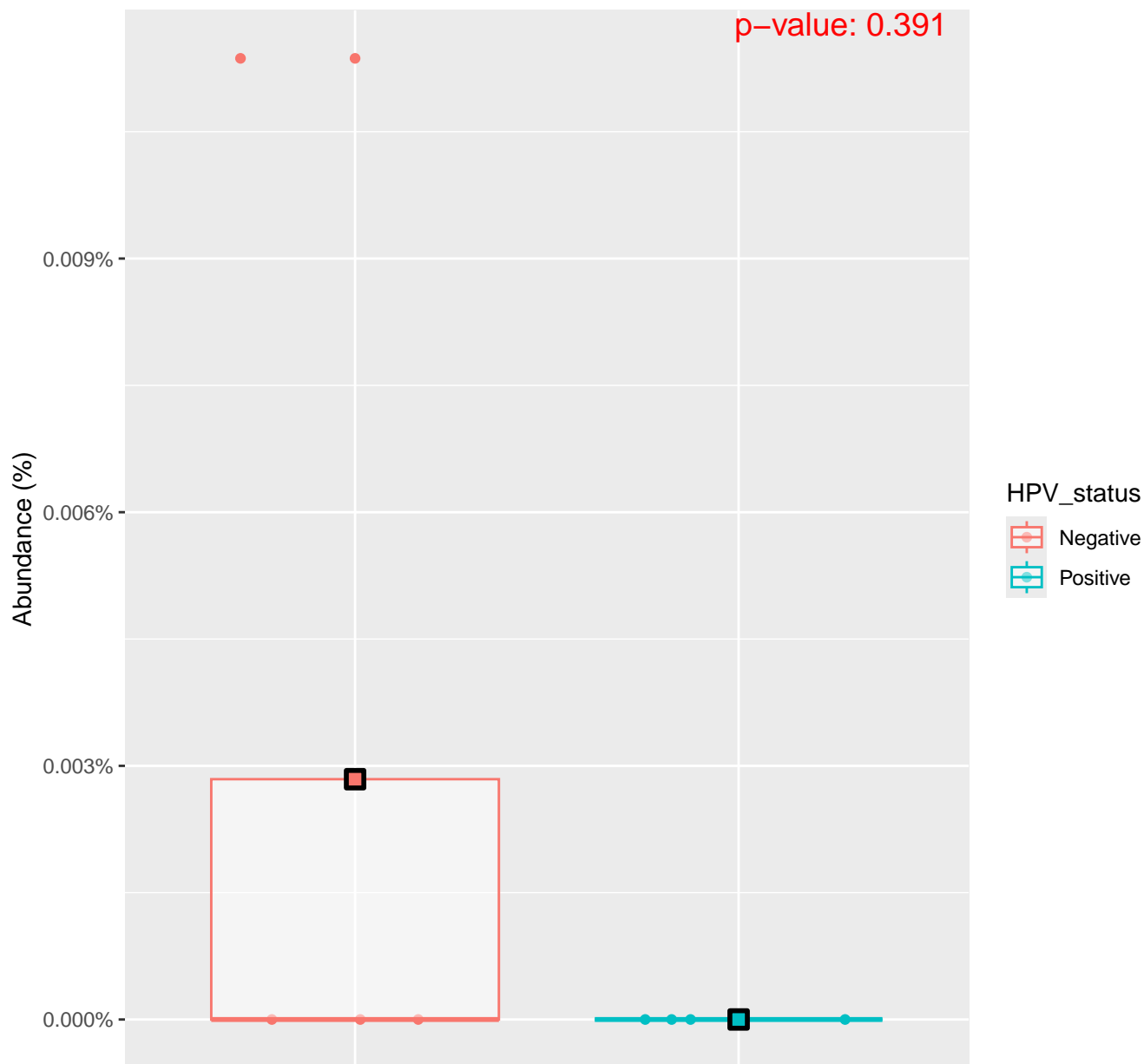


imm\_xcell



# Neutrophil

imm\_xcell



NK\_cell

imm\_xcell

0%

0%

0%

0%

0%

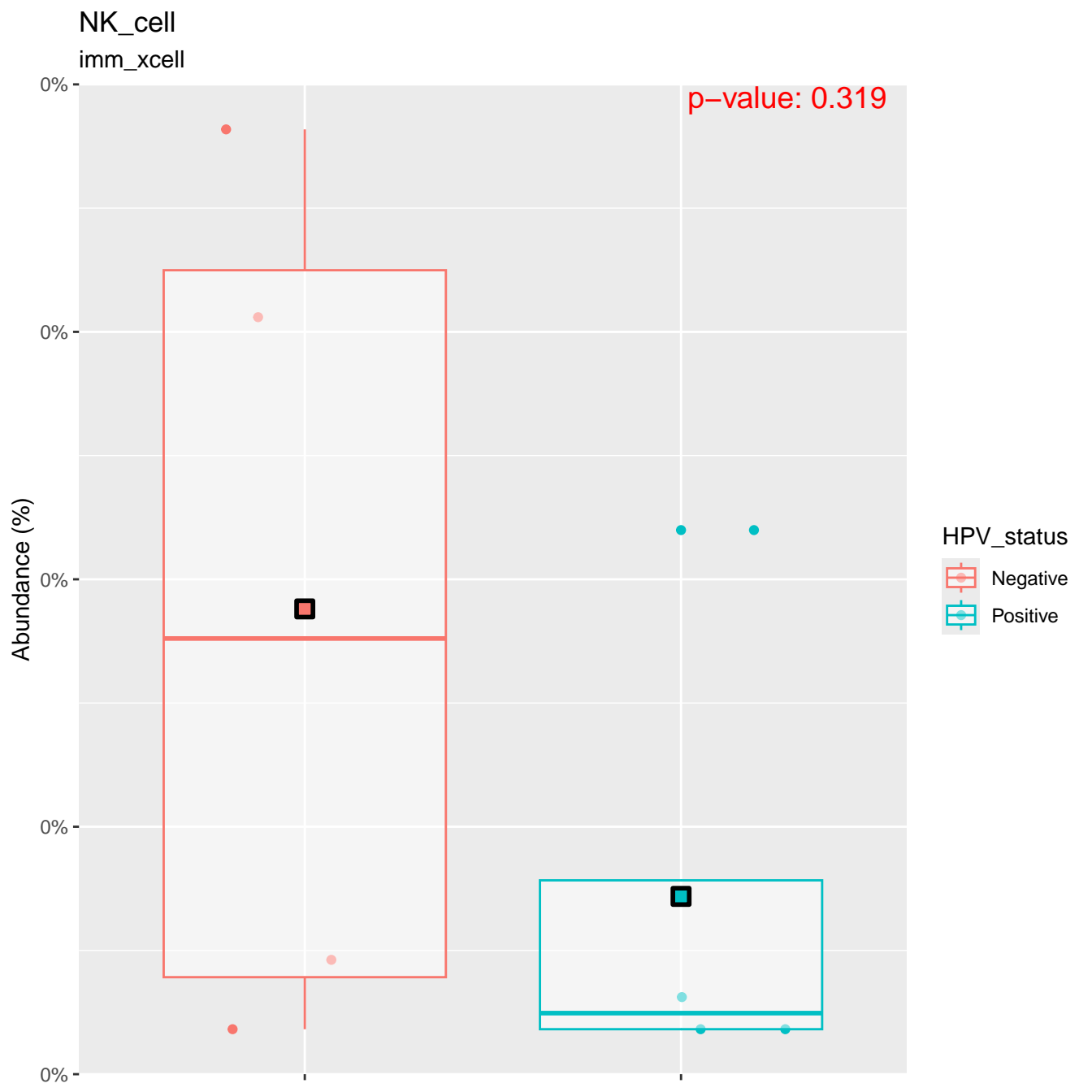
p-value: 0.319

Abundance (%)

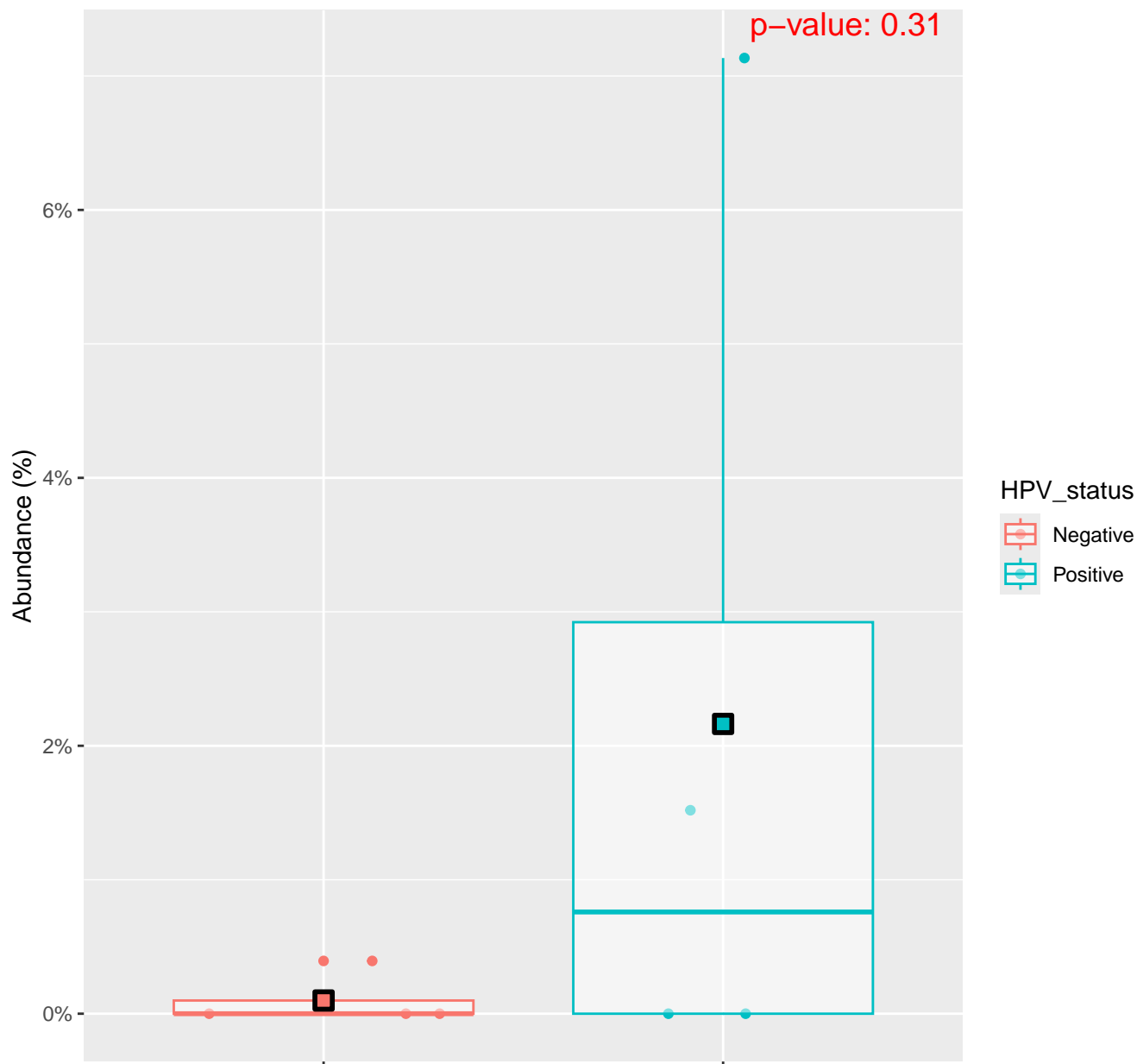
HPV\_status

Negative

Positive

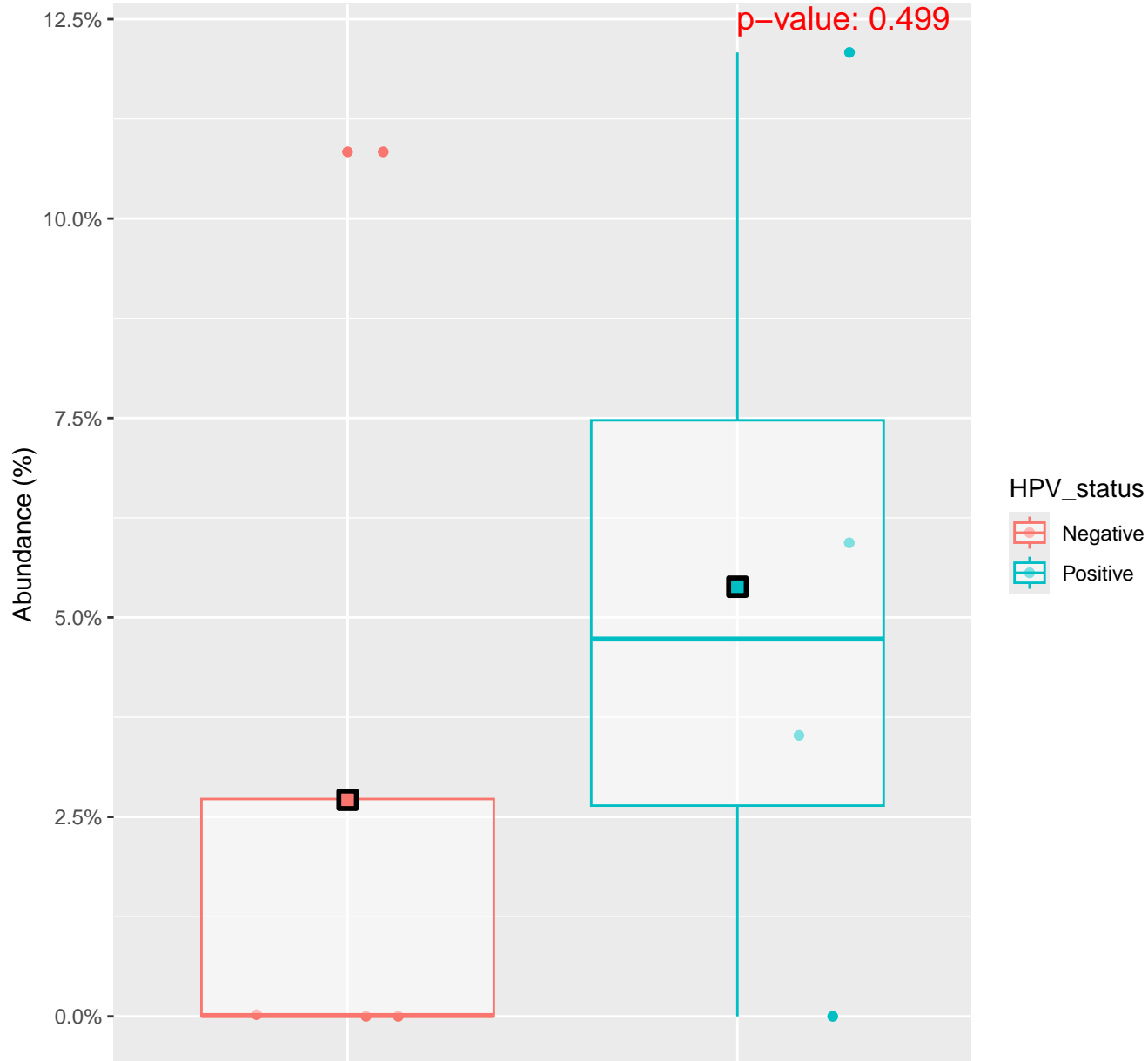


imm\_xcell



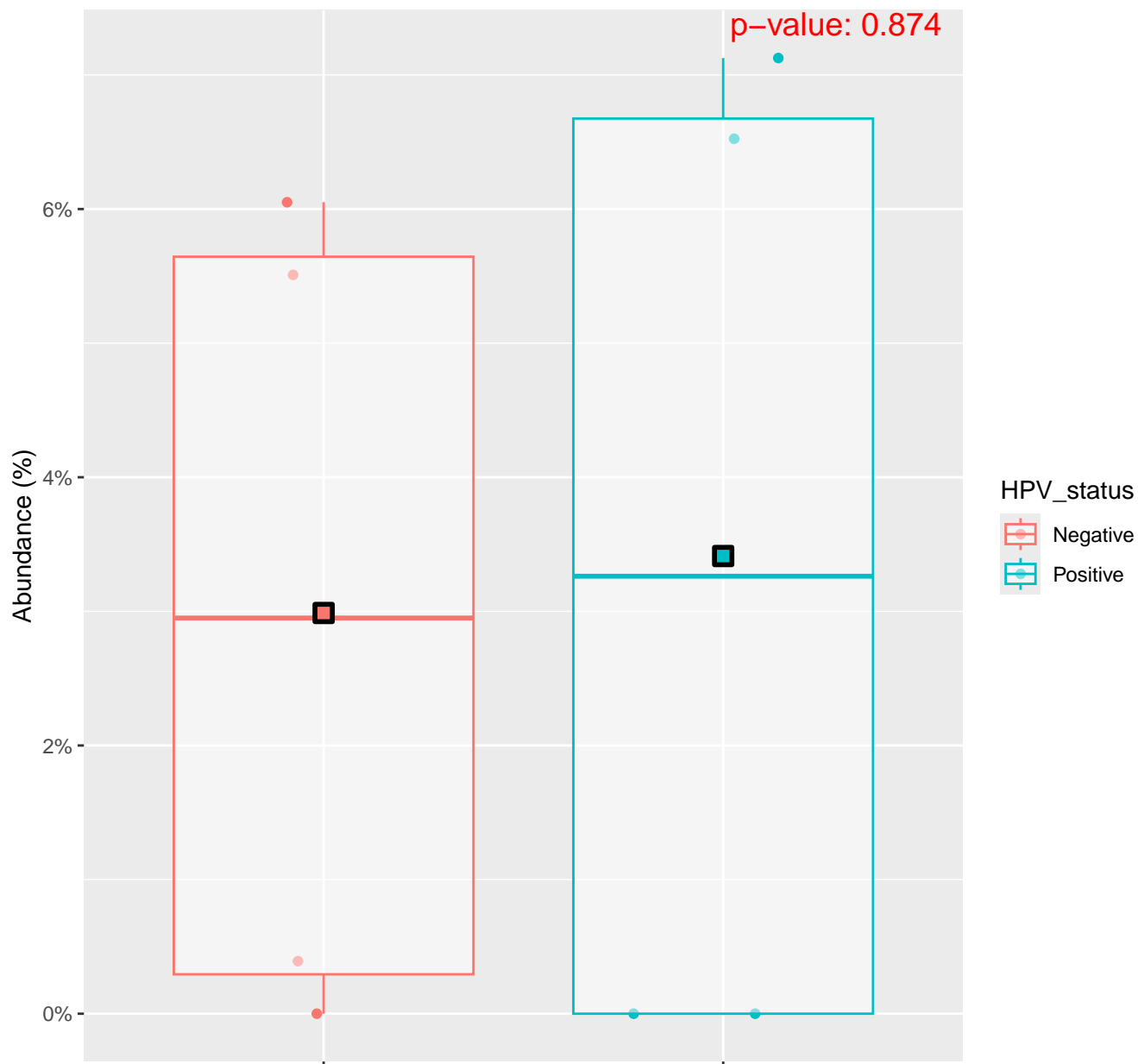
# Plasmacytoid\_dendritic\_cell

imm\_xcell



B\_cell\_plasma

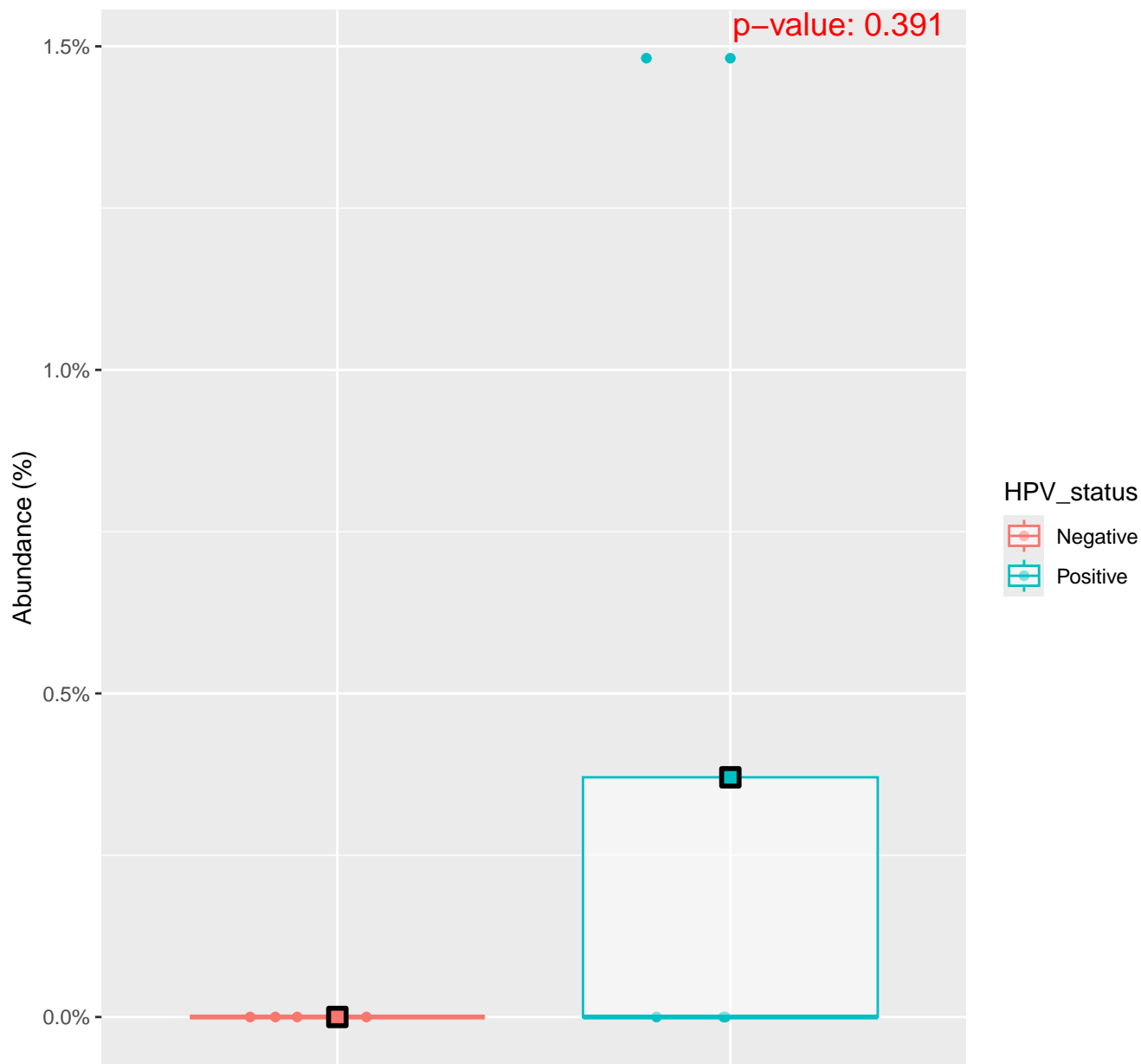
imm\_xcell





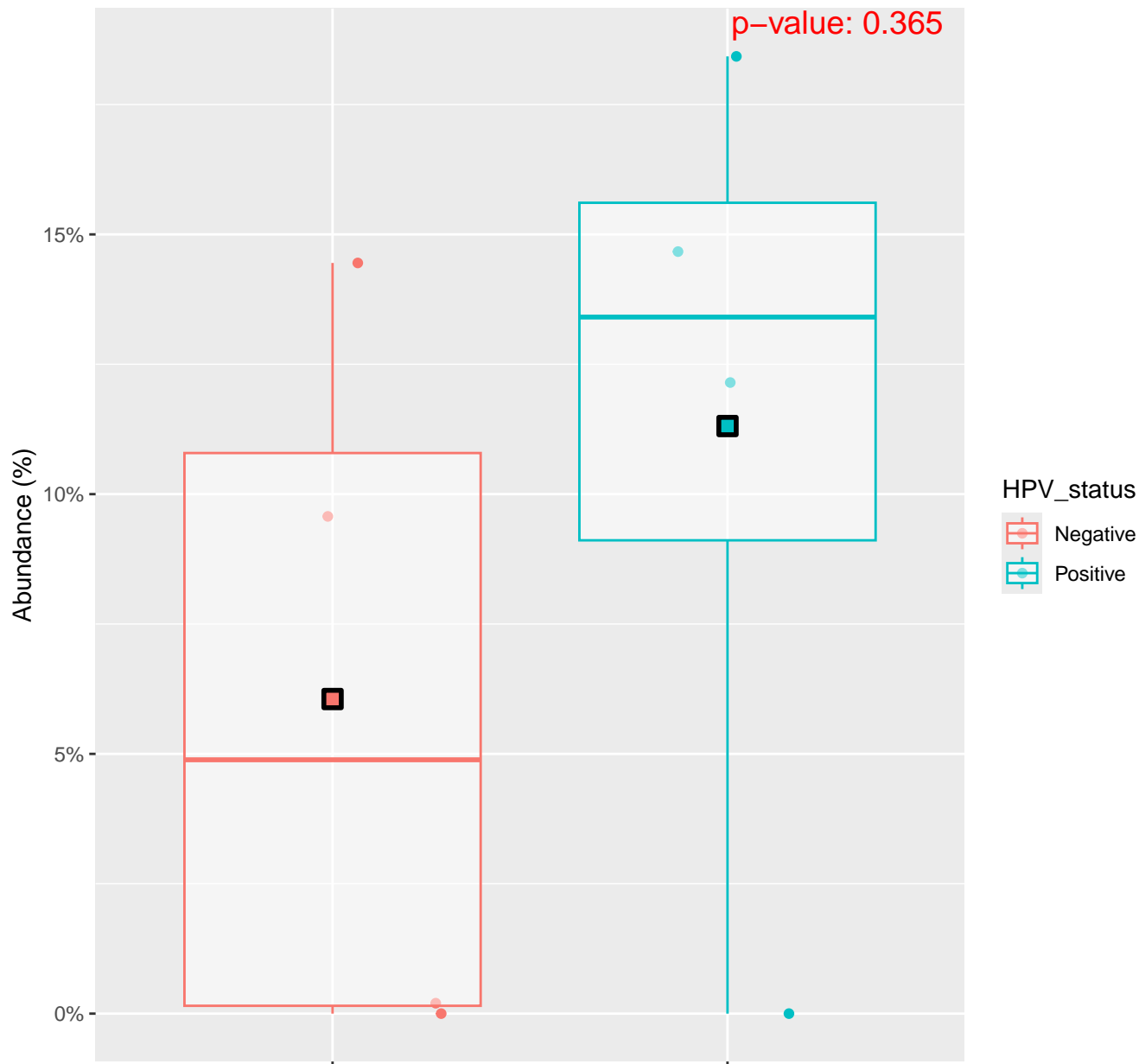
T\_cell\_gamma\_delta

imm\_xcell



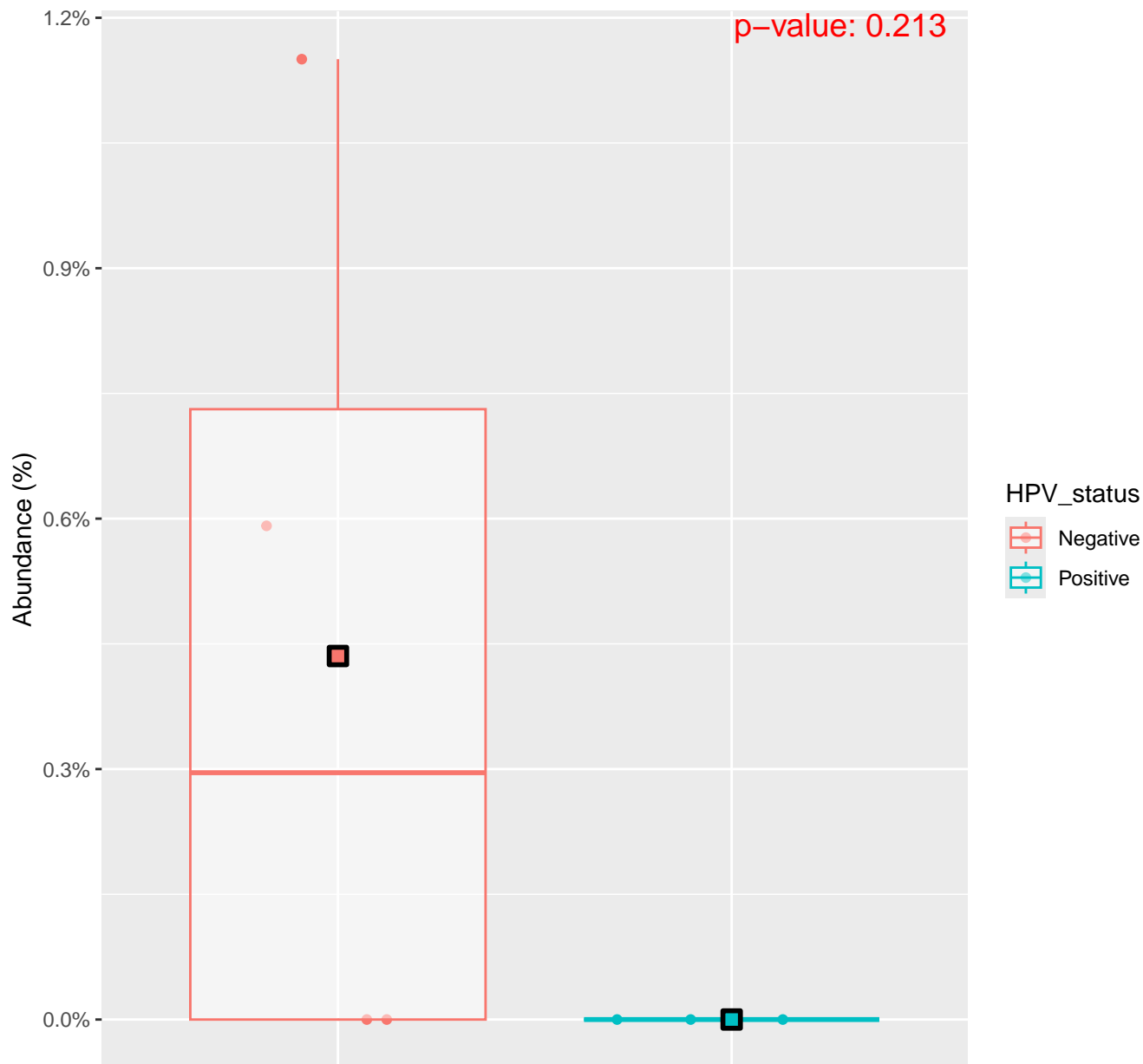
T\_cell\_CD4+\_Th1

imm\_xcell



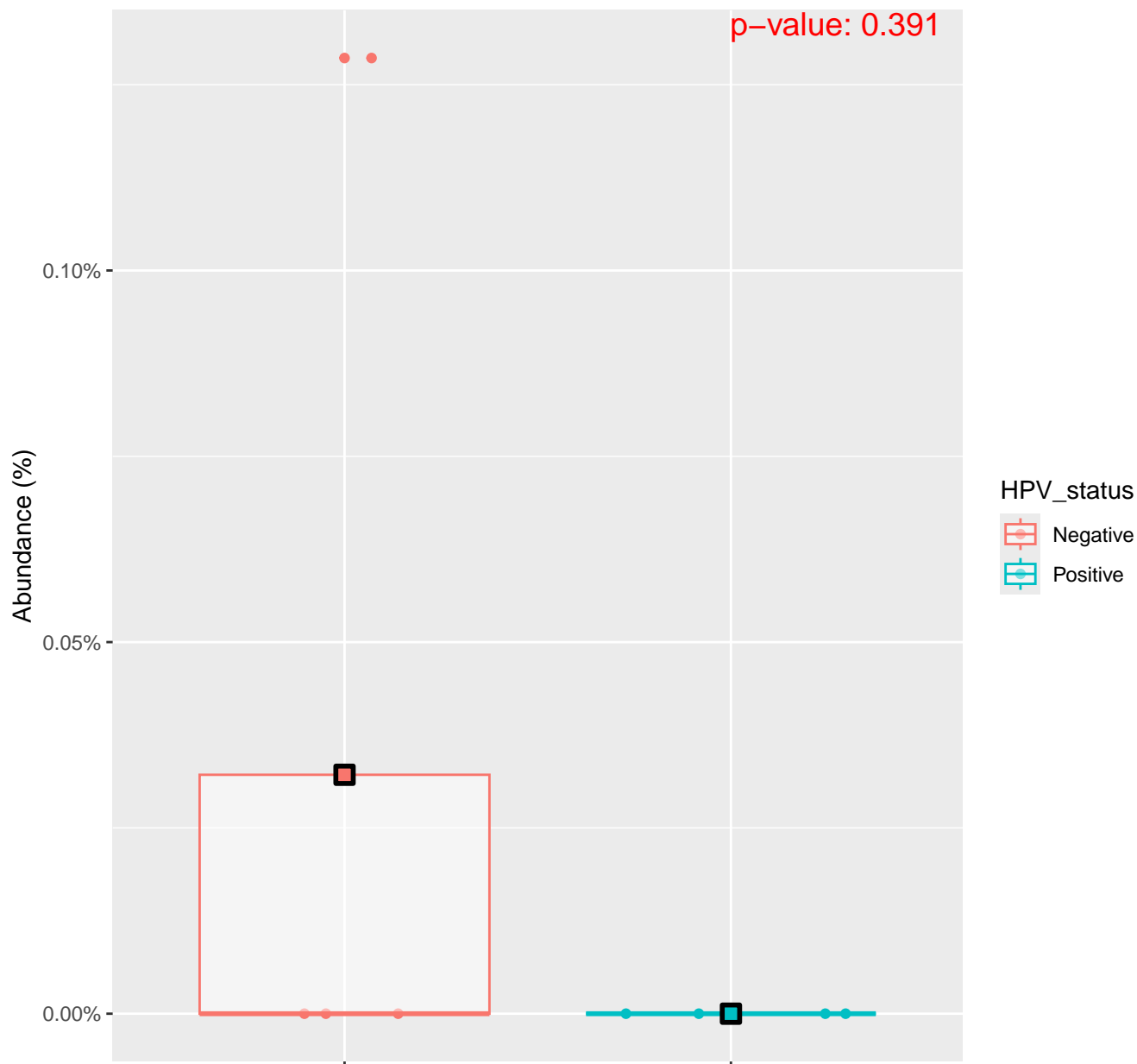
T\_cell\_CD4+\_Th2

imm\_xcell



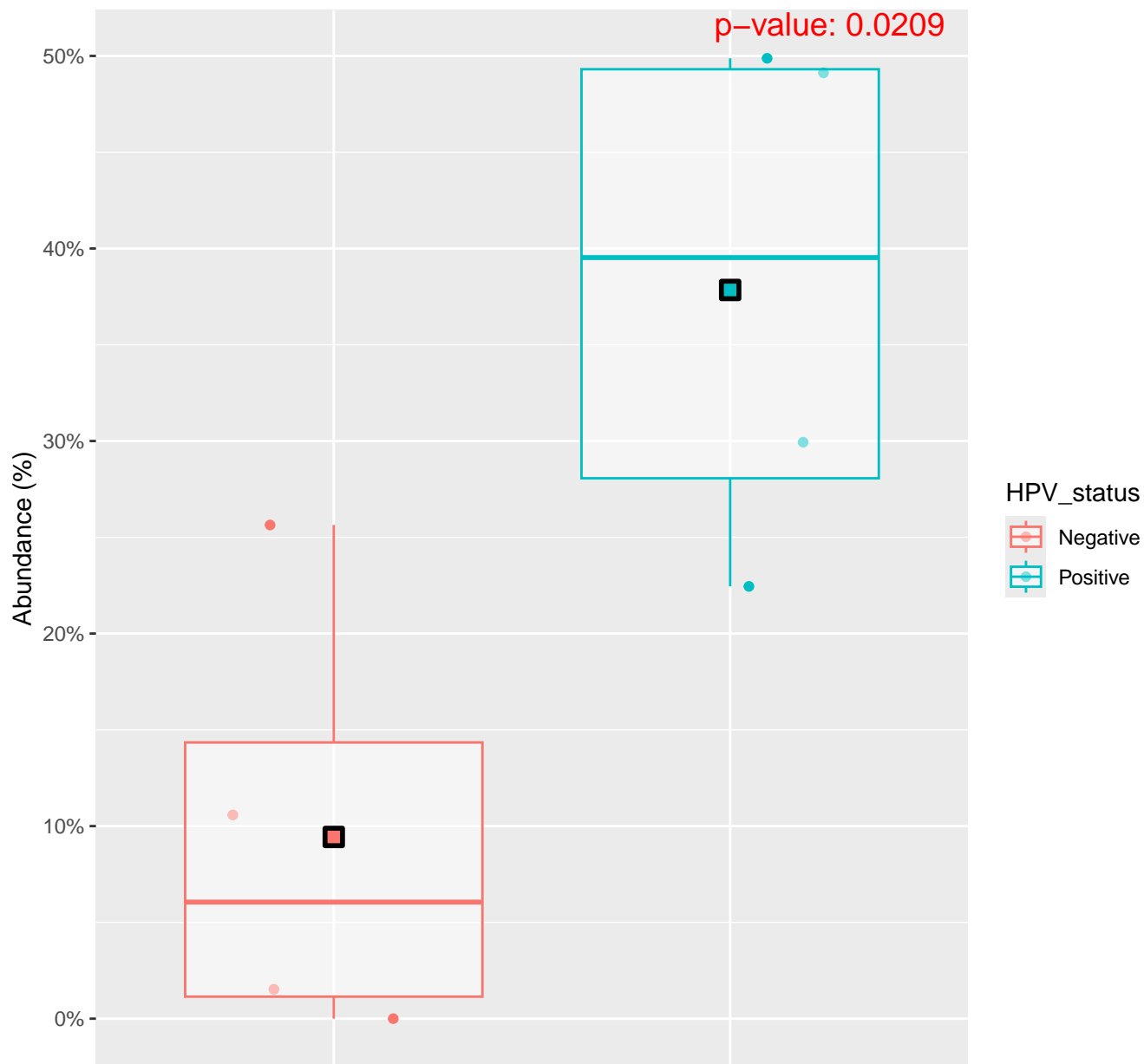
T\_cell\_regulatory\_(Tregs)

imm\_xcell



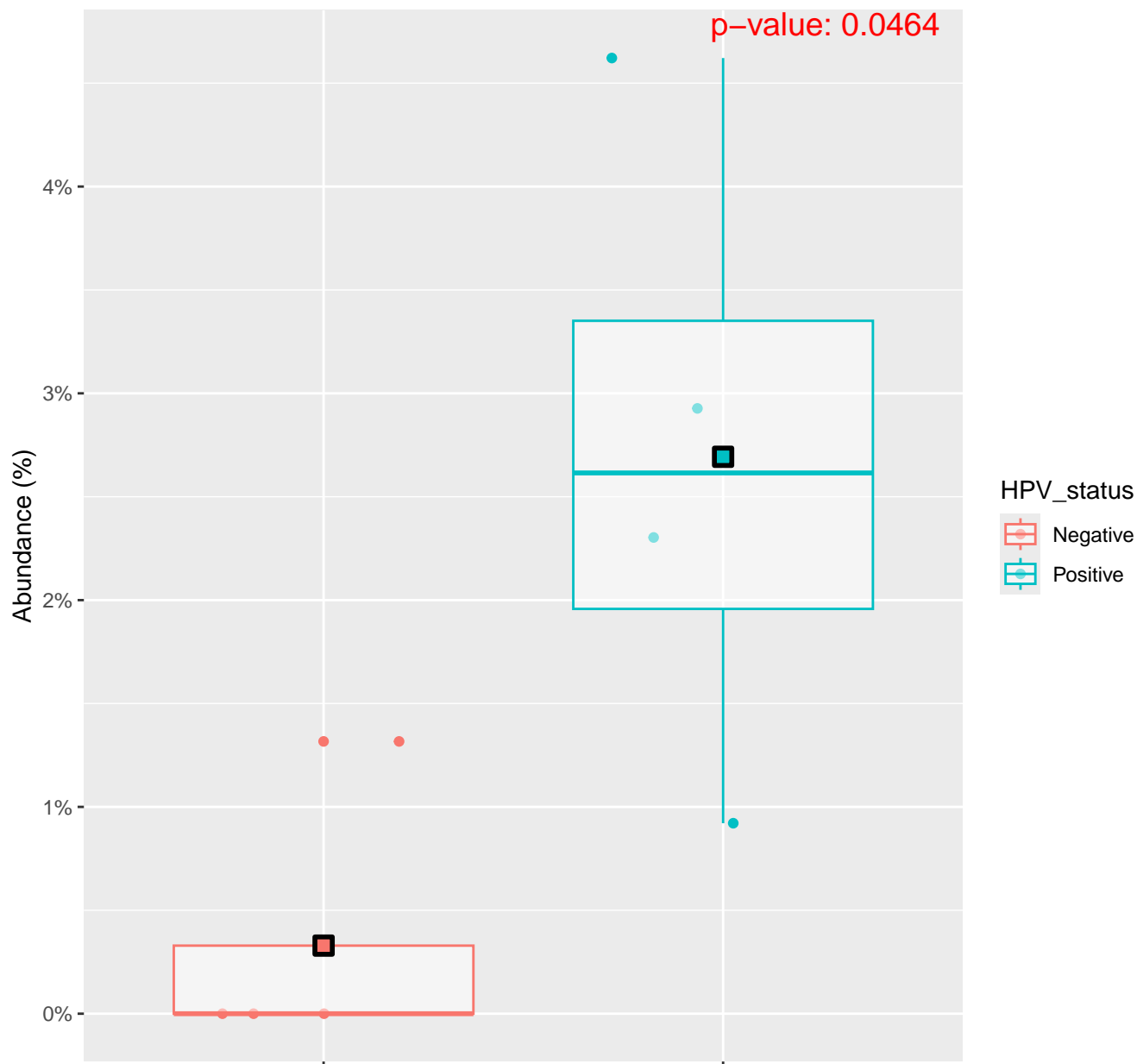
immune\_score

imm\_xcell



stroma\_score

imm\_xcell



microenvironment\_score

imm\_xcell

