

Supplemental Figure 12. The average proportion of the major cell subpopulations in acral and cutaneous melanoma sample cohorts from our datasets and two additional public datasets of cutaneous melanoma samples.

Supplemental Figure 13. Boxplots showing relative proportions of each cell type in acral and non-acral (cutaneous) melanoma samples.

b_cells

Wilcoxon, $p = 0.77$

Proportion of b_cells

10

5

0

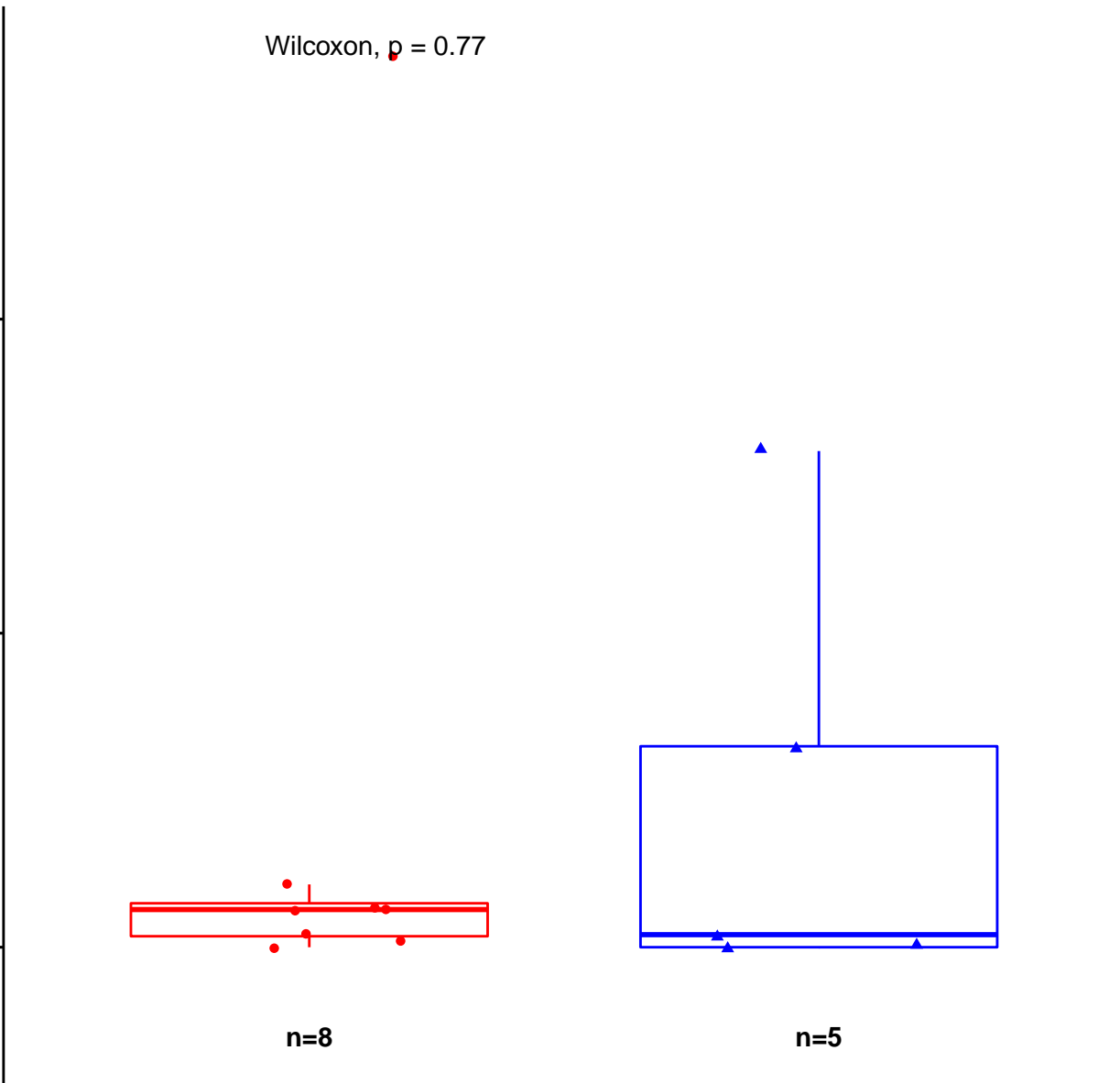
n=8

n=5

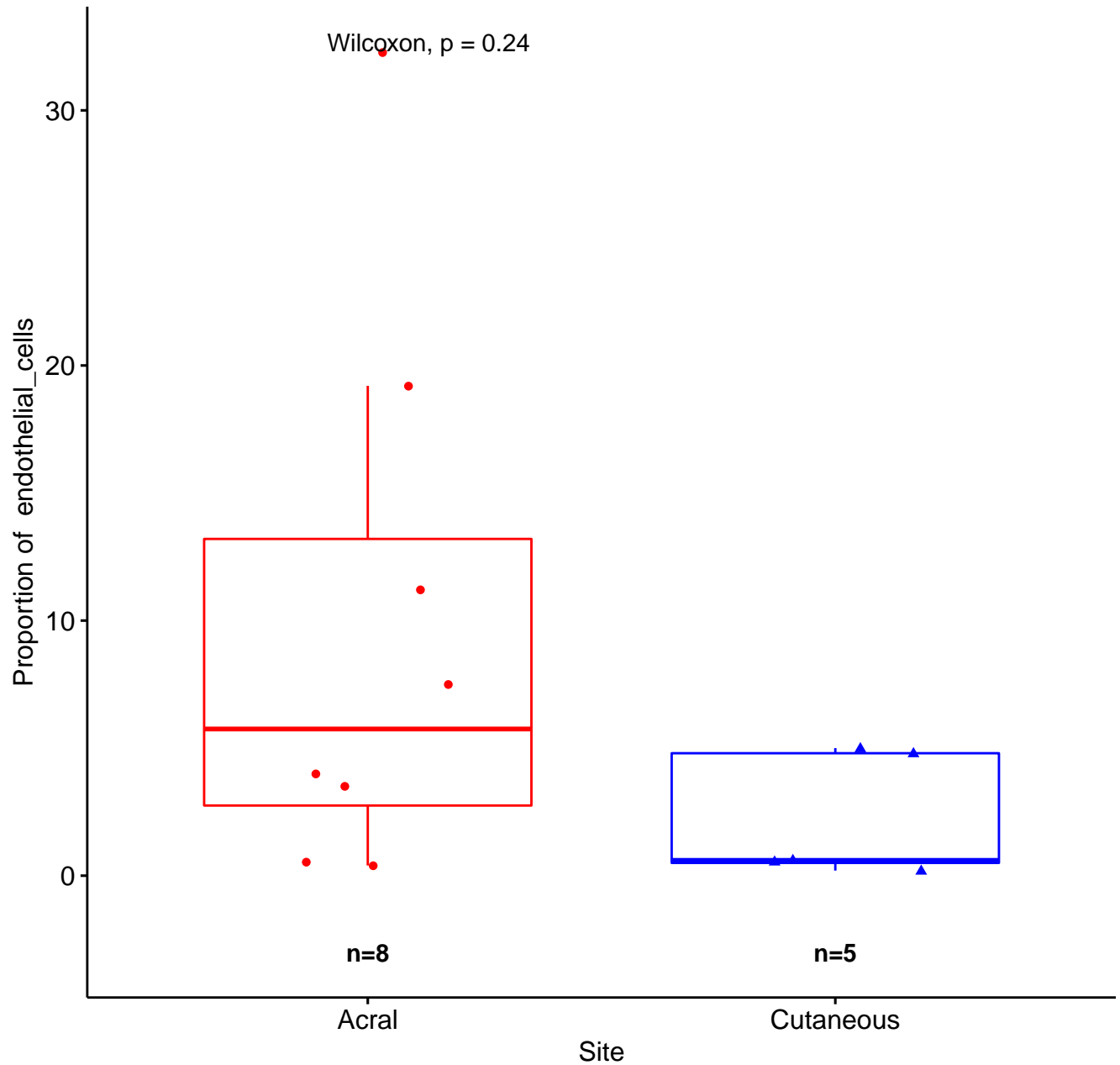
Acral

Cutaneous

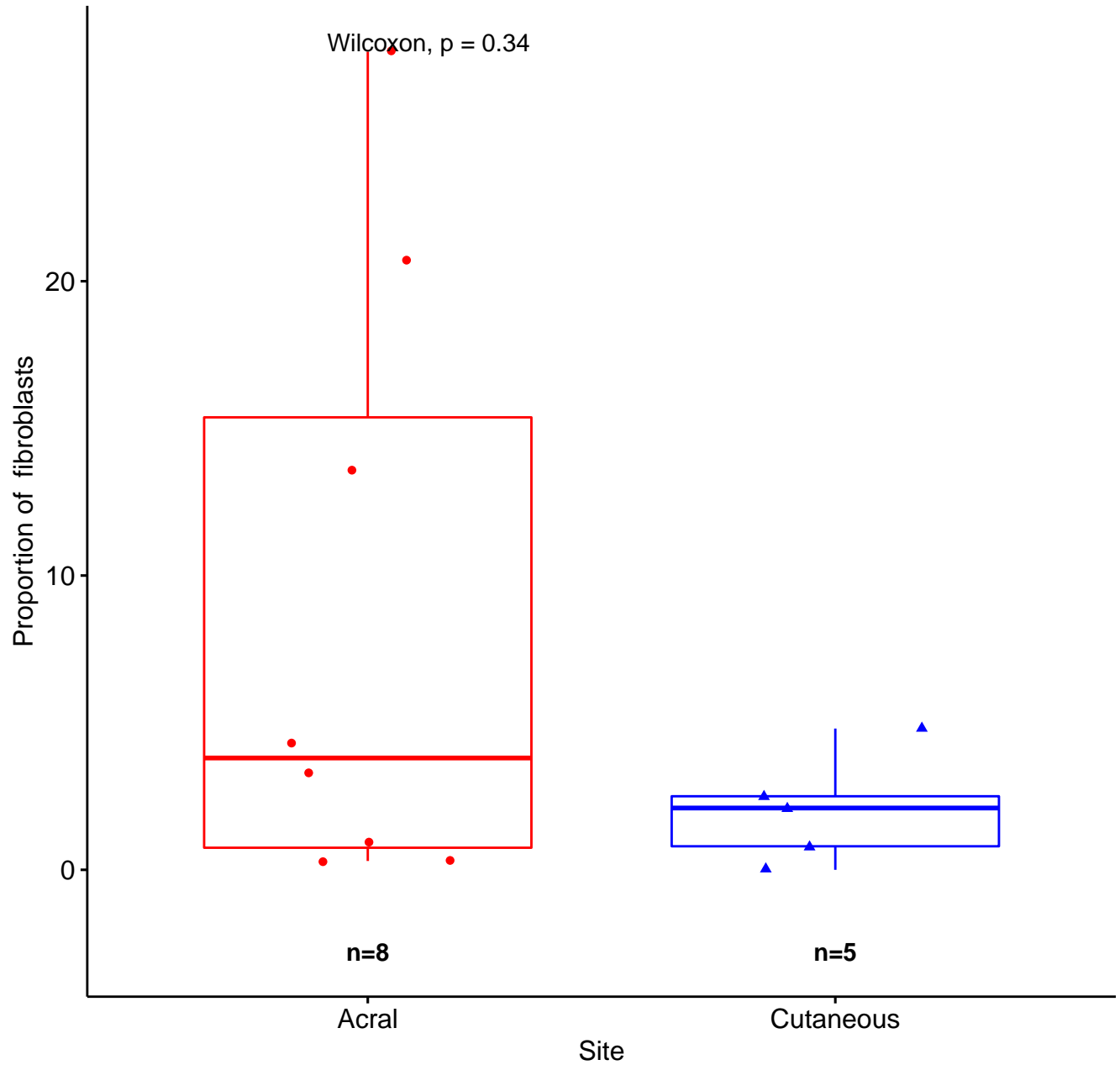
Site



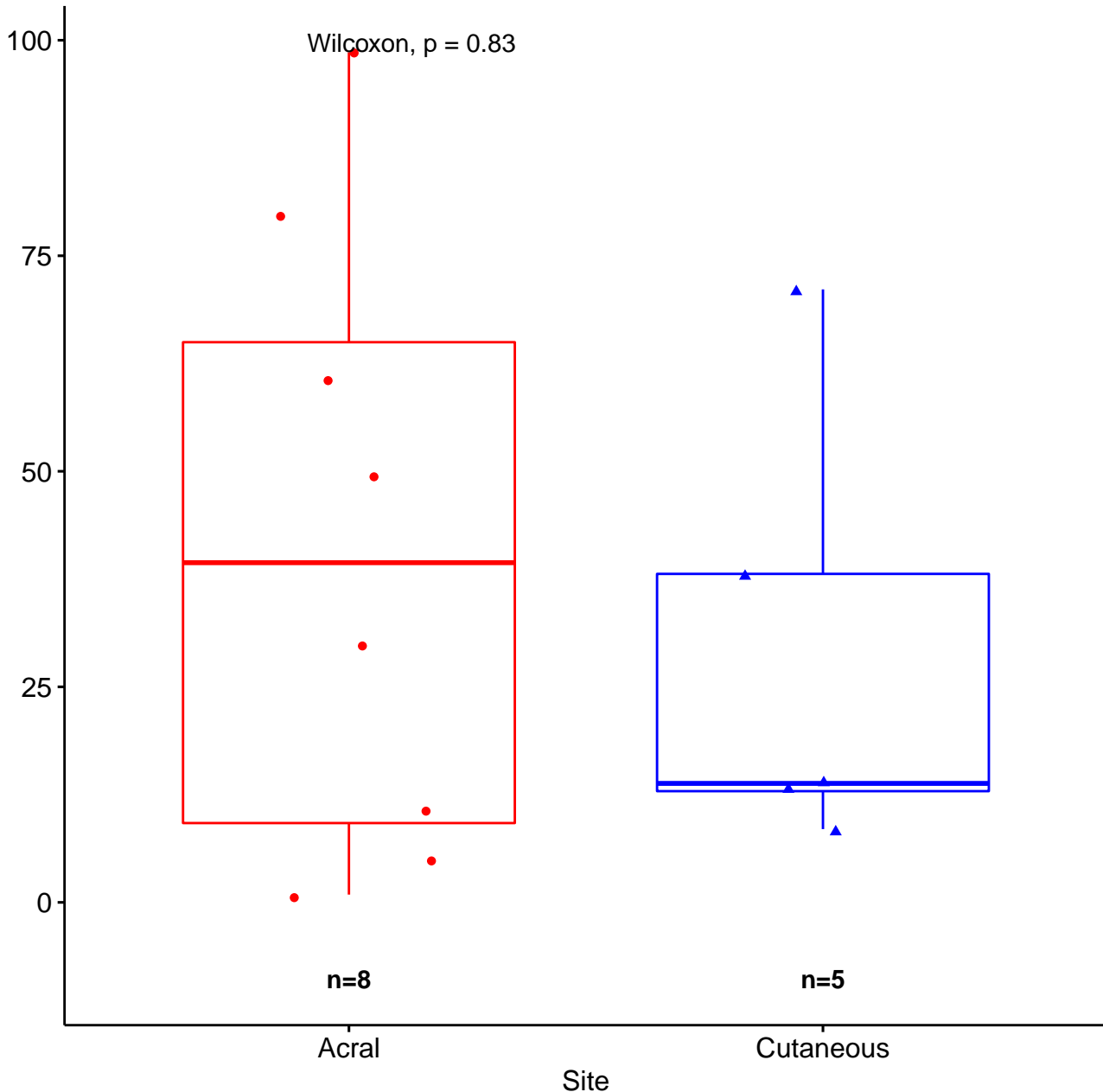
endothelial_cells



fibroblasts

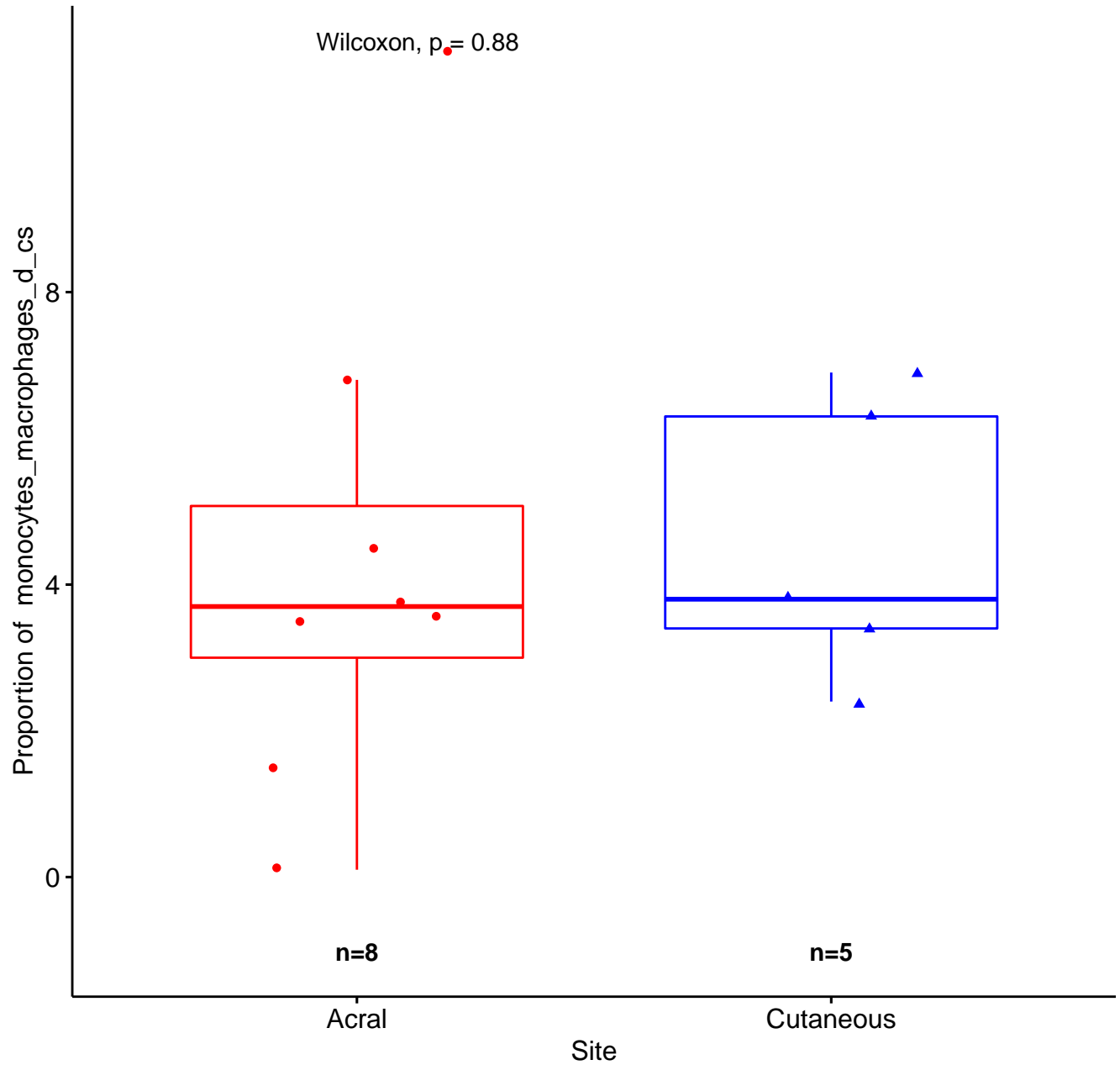


melanocytes



monocytes_macrophages_d_cs

Wilcoxon, $p = 0.88$



others

Wilcoxon, $p = 0.94$

Proportion of others

1.25
1.00
0.75
0.50
0.25
0.00

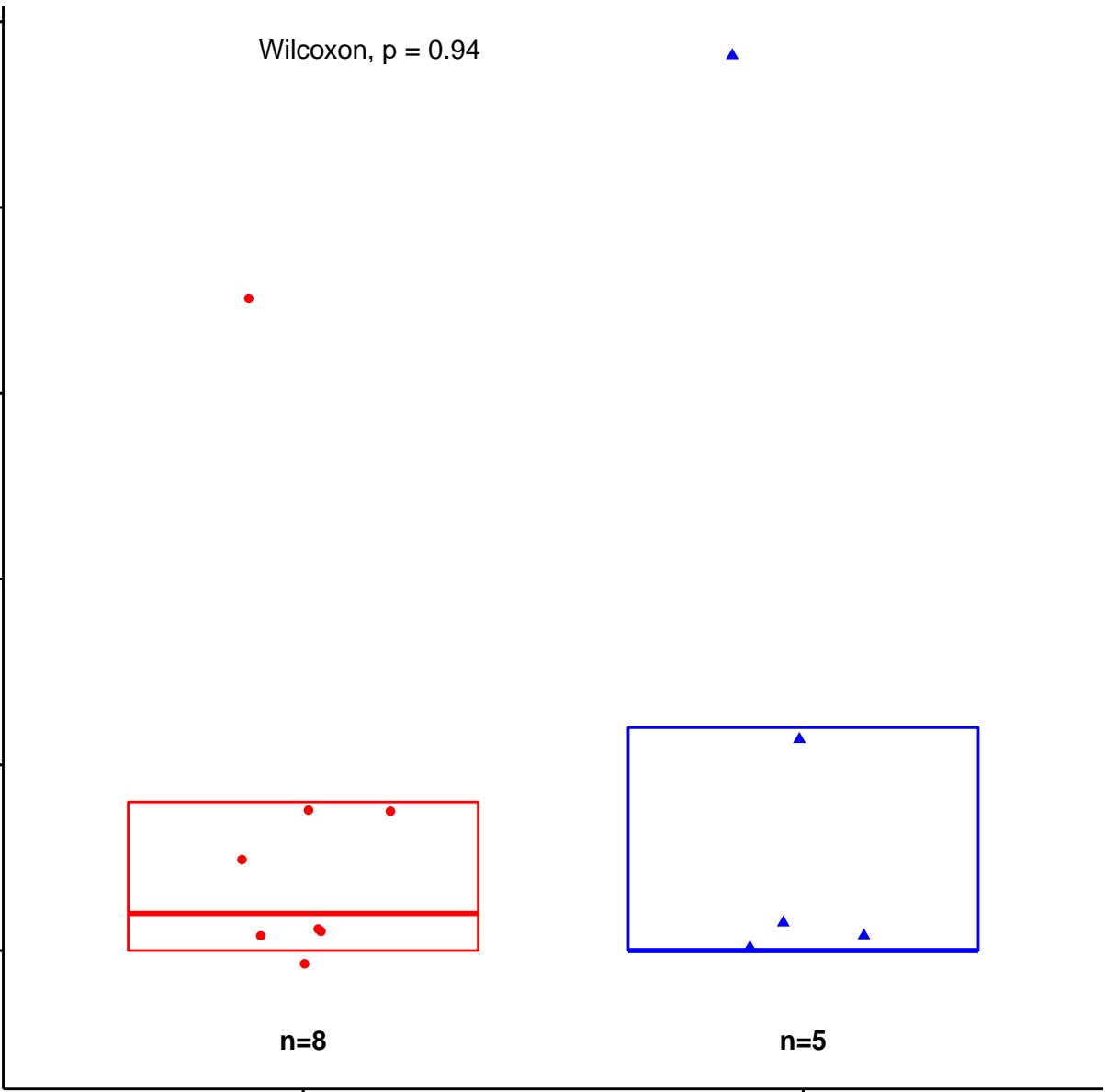
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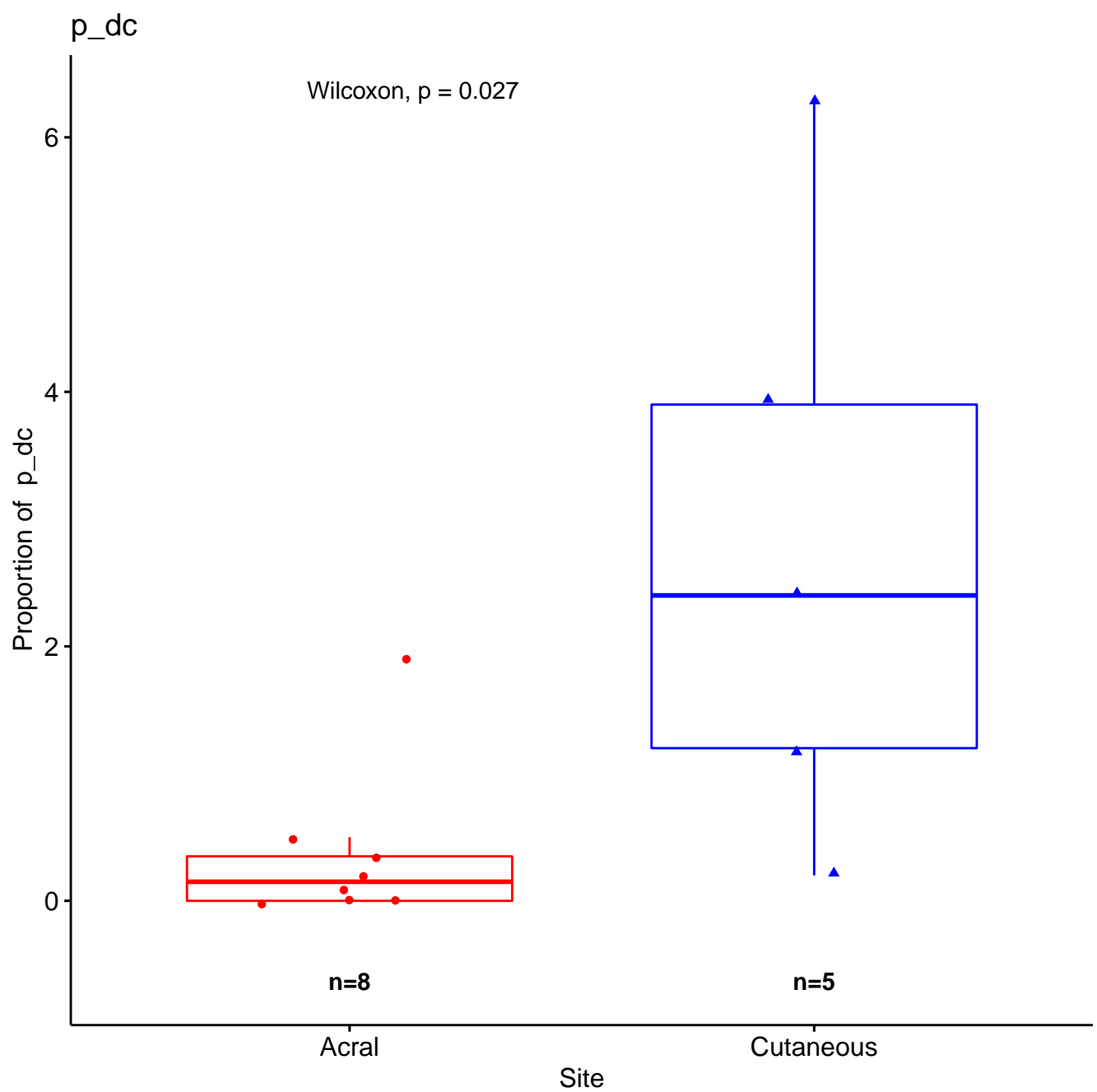
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Acral

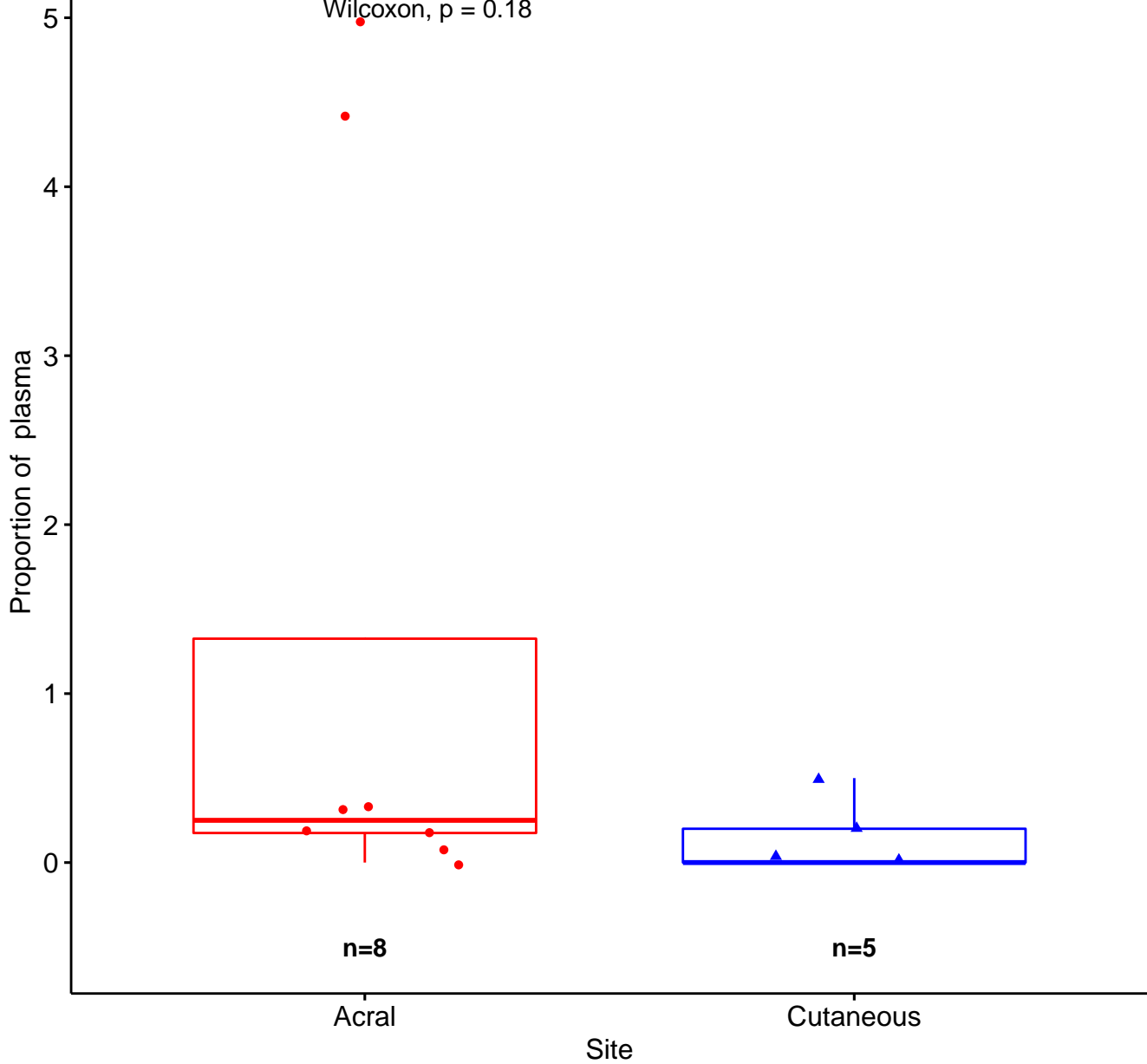
Cutaneous

Site





plasma



t_nk_cells

Wilcoxon, $p = 0.065$

Proportion of t_nk_cells

60

40

20

0

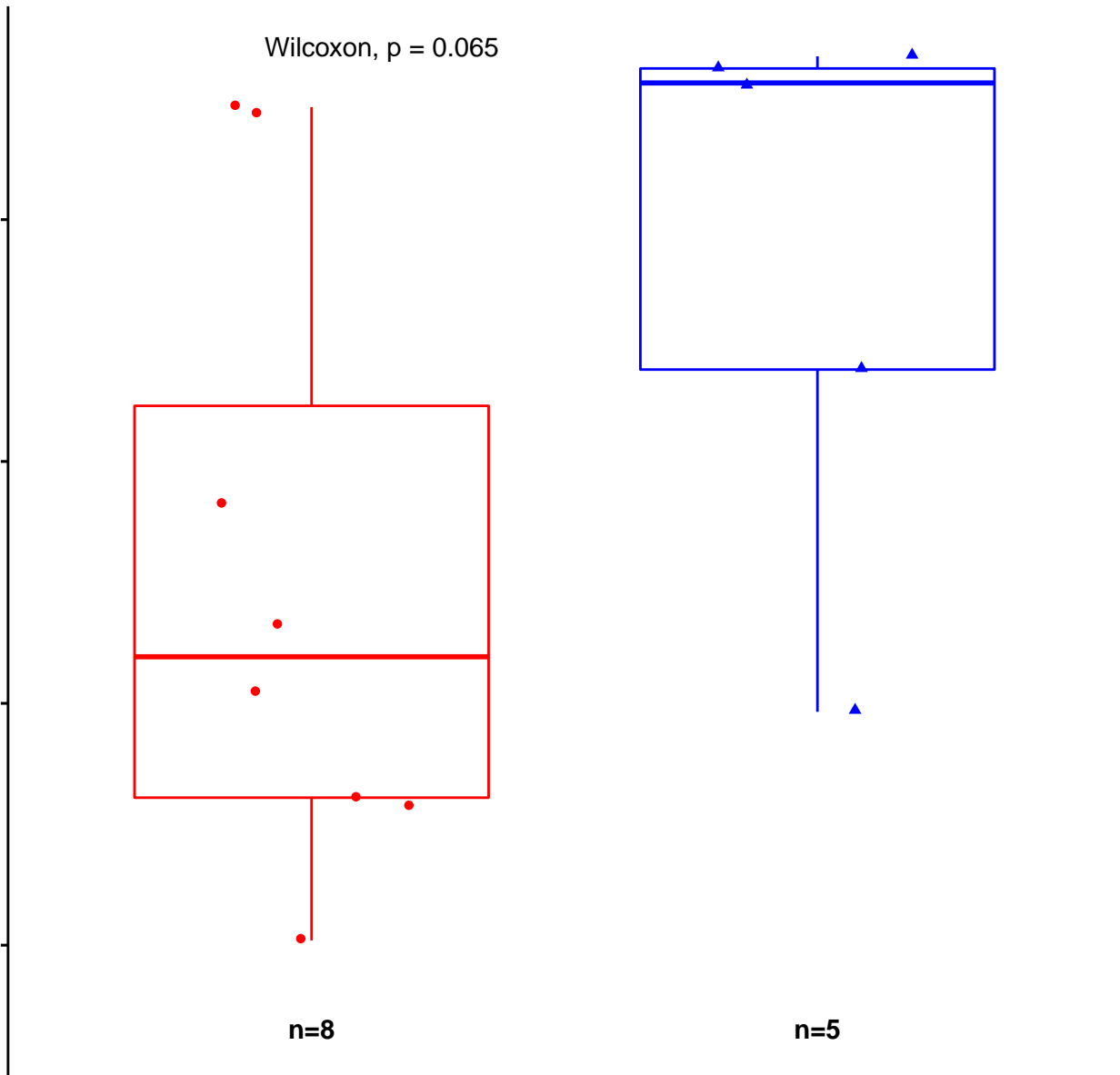
n=8

n=5

Acral

Cutaneous

Site



cd4

50
40
30
20
10
0

Proportion of cd4

Wilcoxon, $p = 0.28$

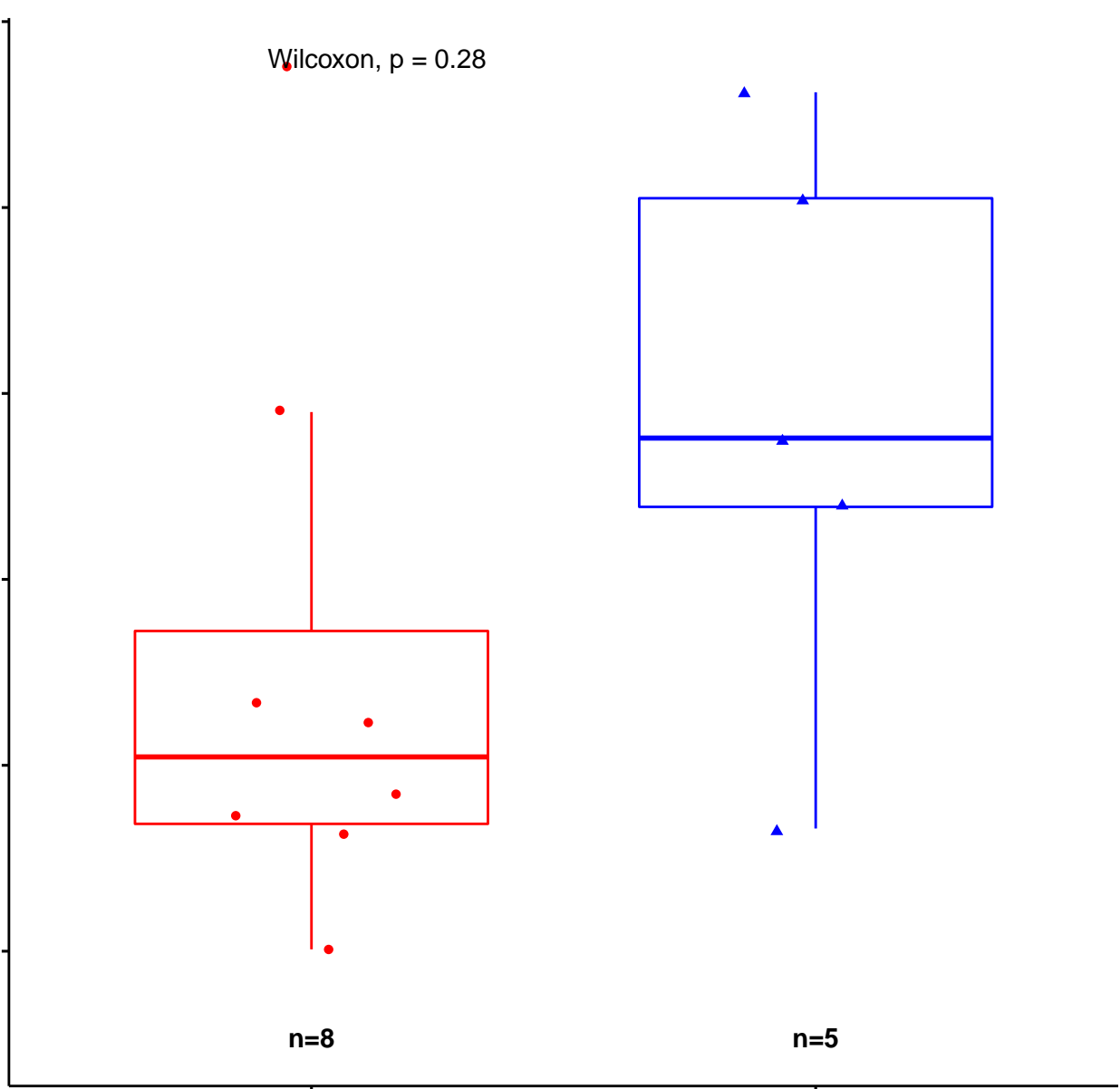
n=8

n=5

Acral

Cutaneous

Site



cd8

Wilcoxon, $p = 0.44$

40

30

20

10

0

Proportion of cd8

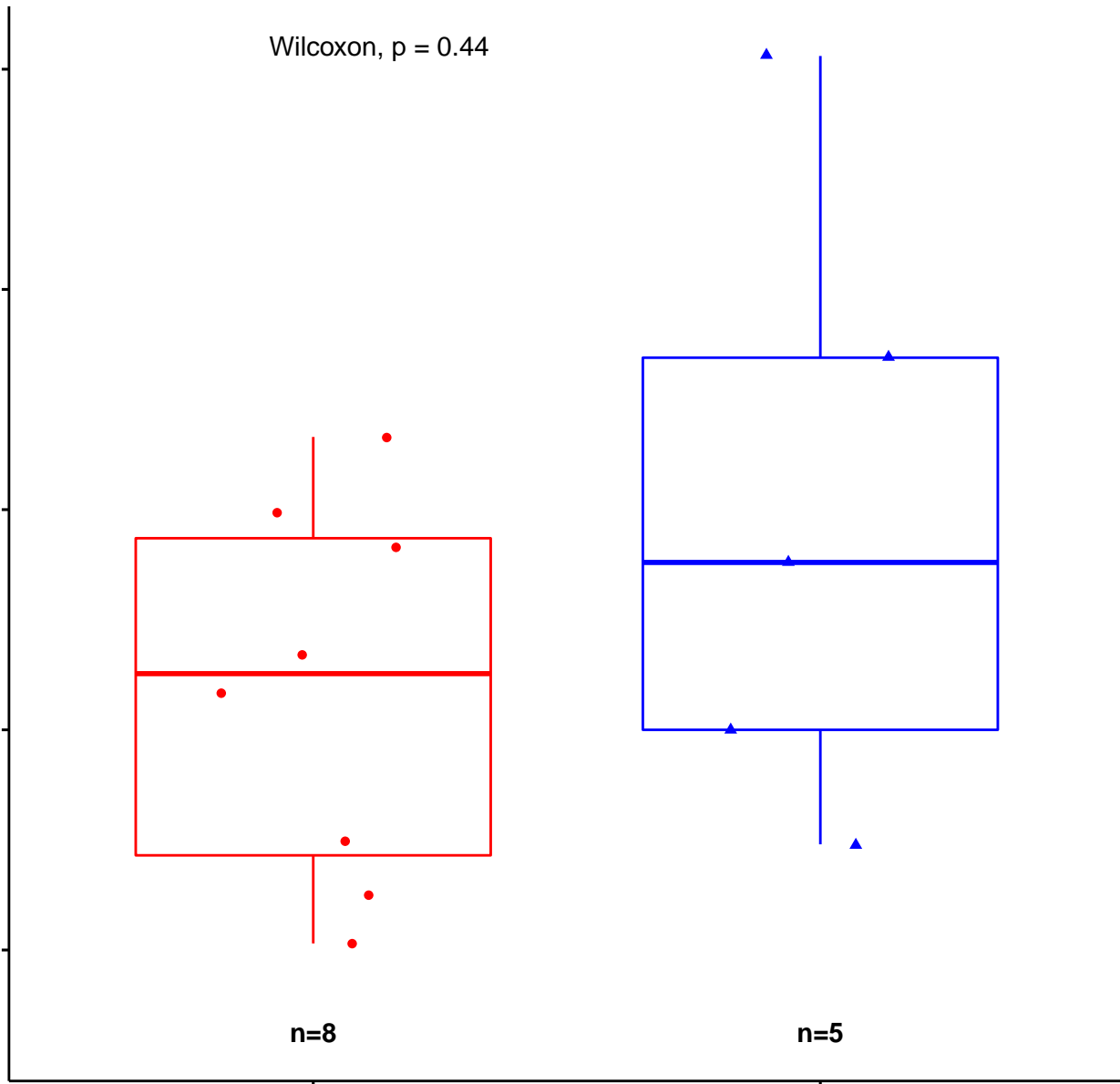
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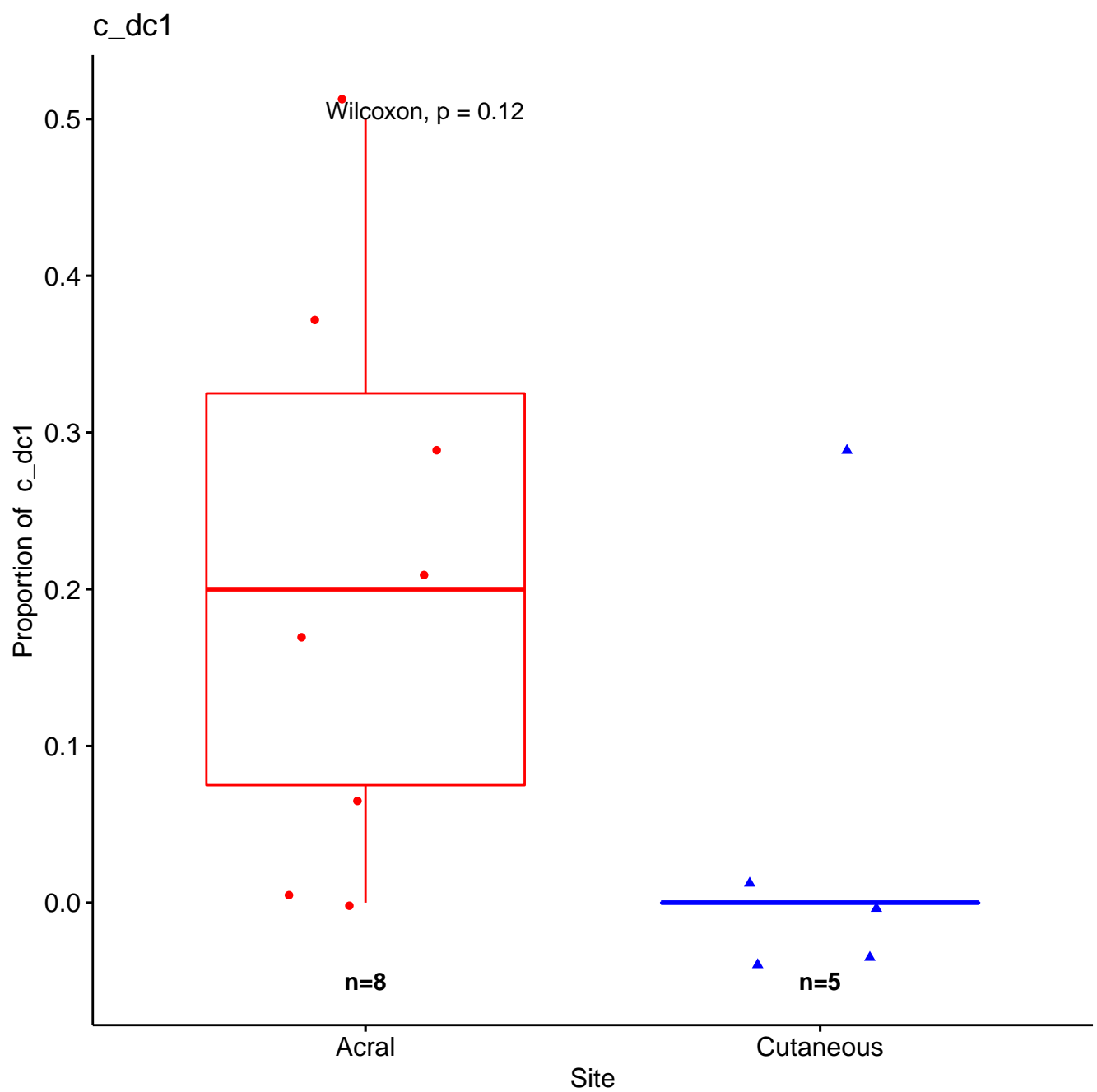
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Acral

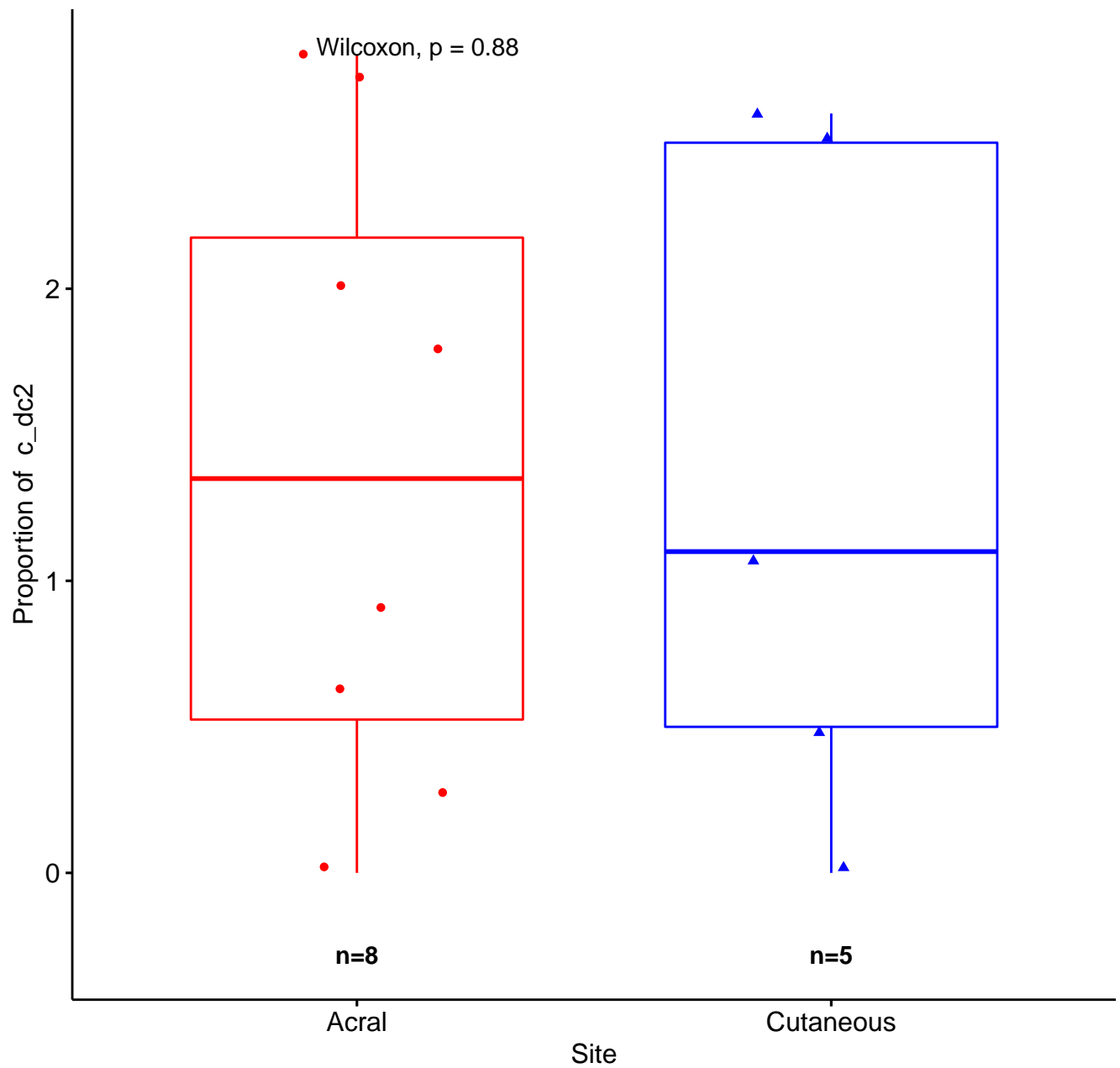
Cutaneous

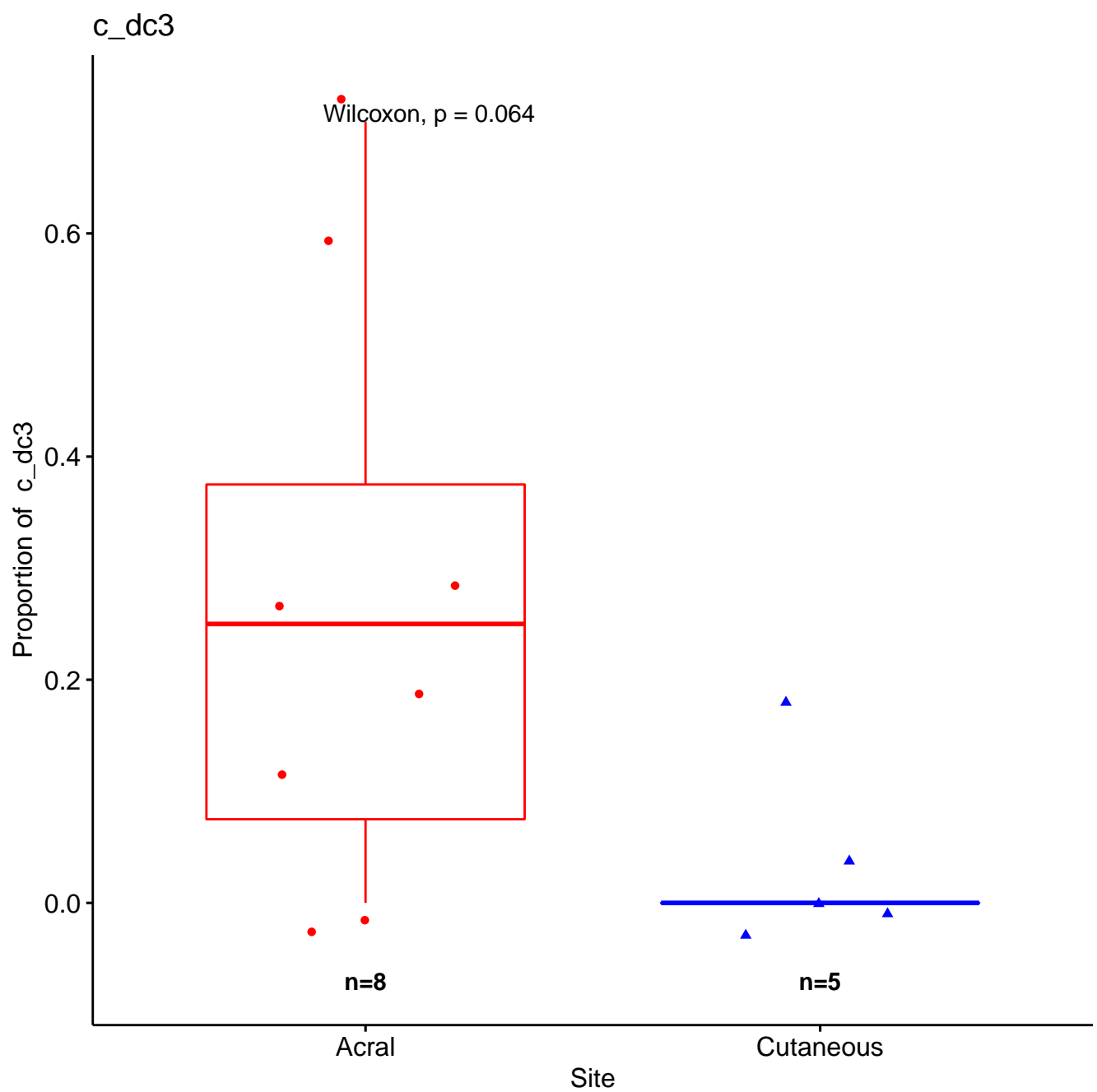
Site



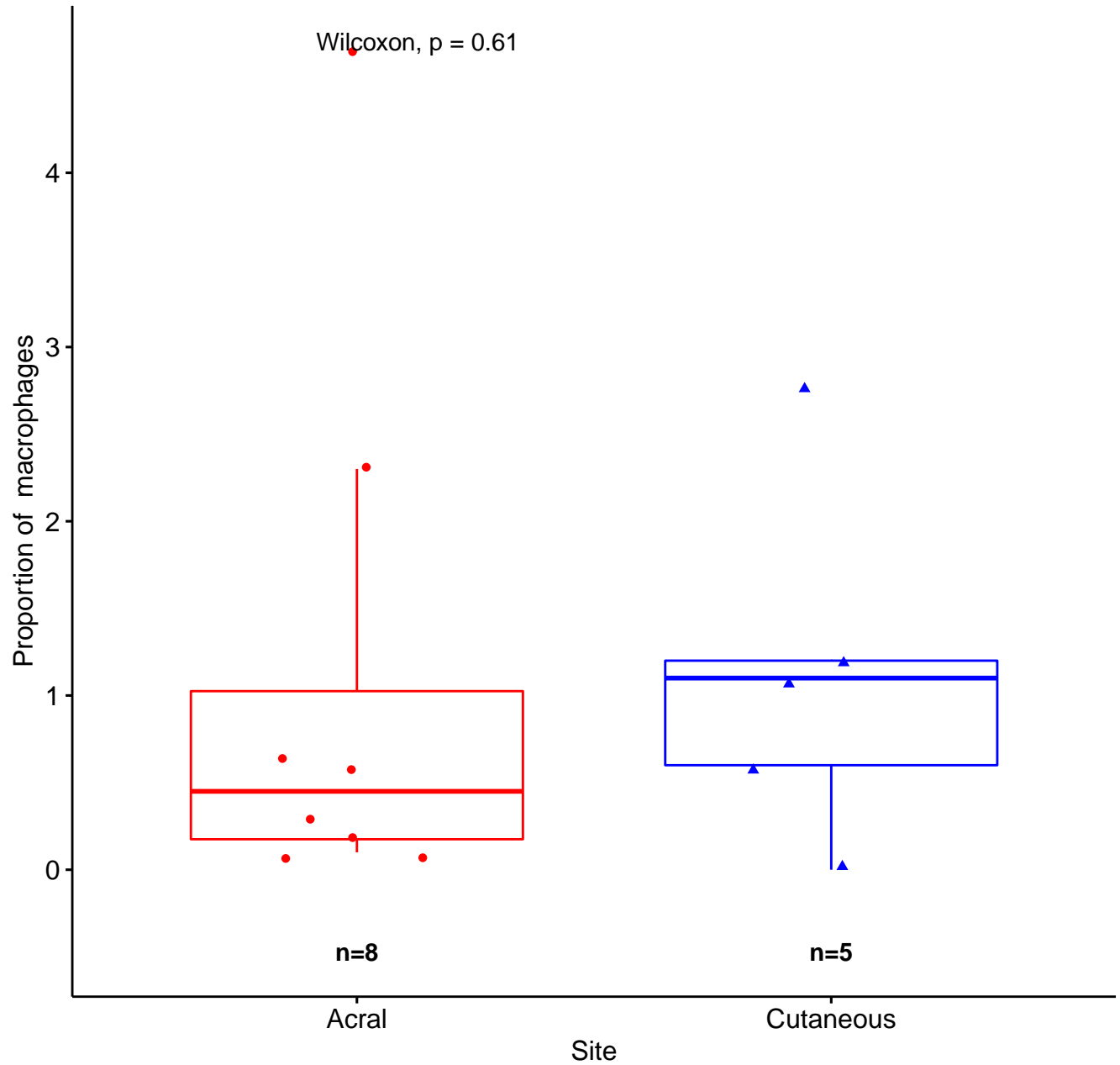


c_dc2

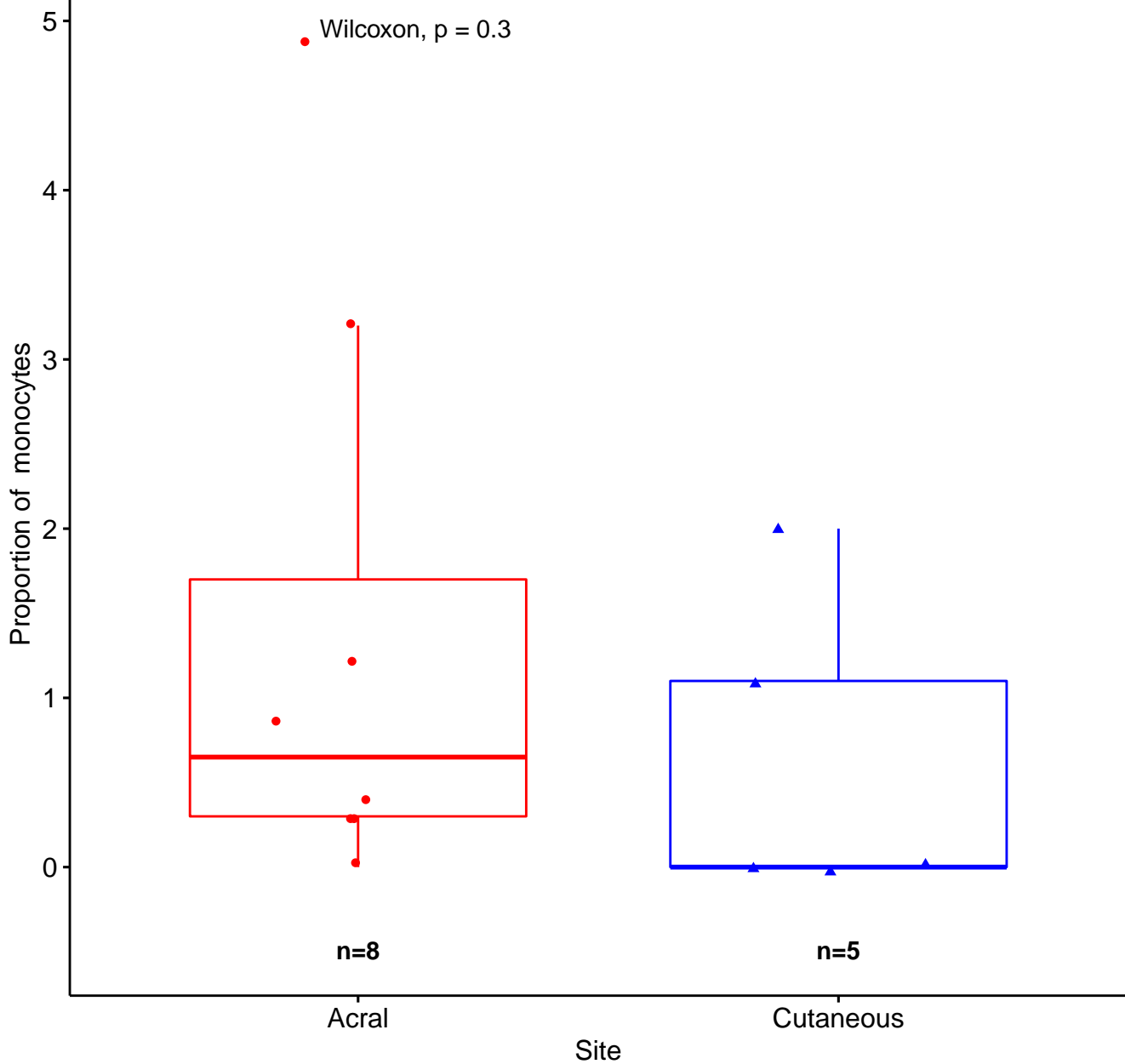


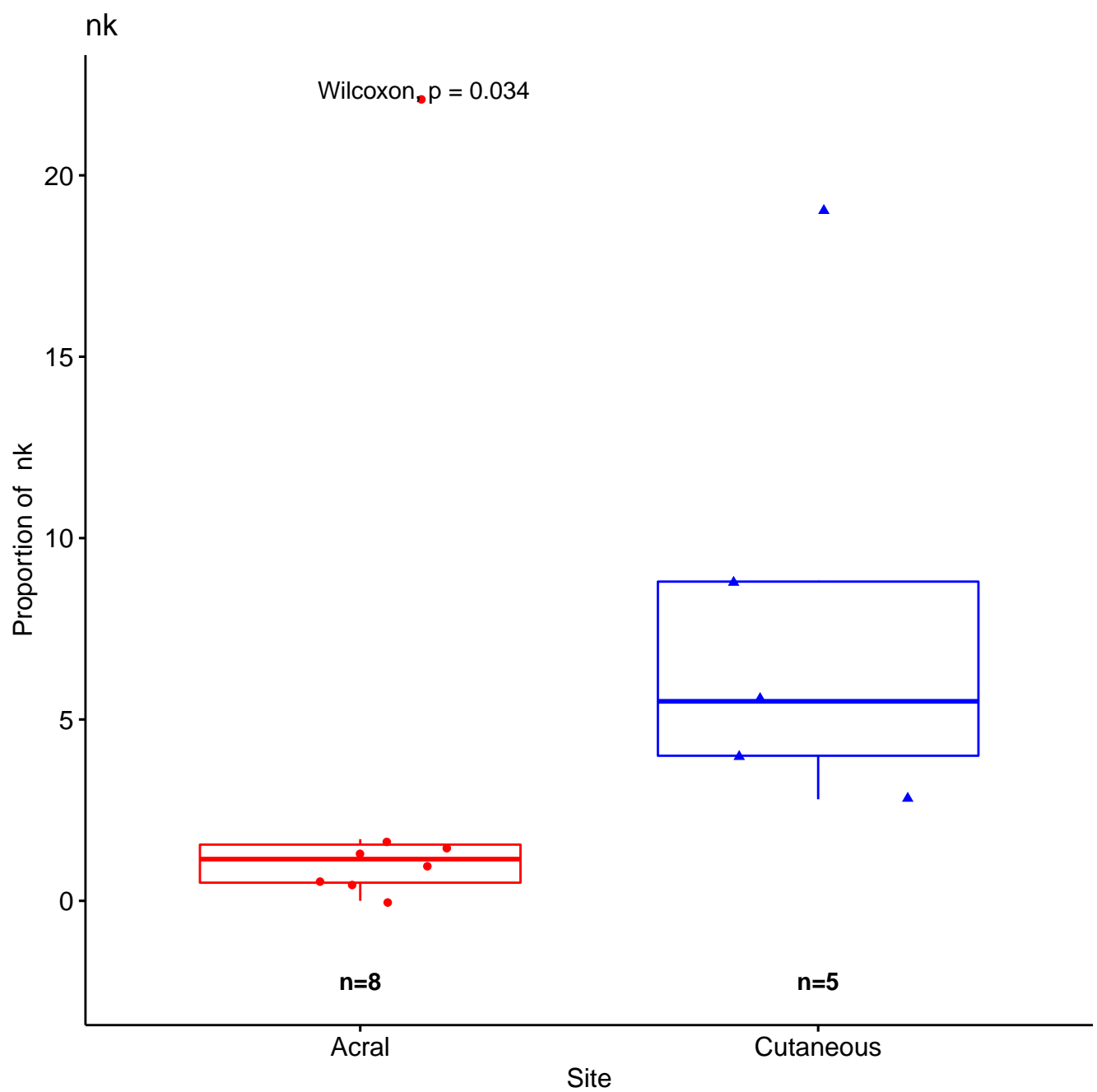


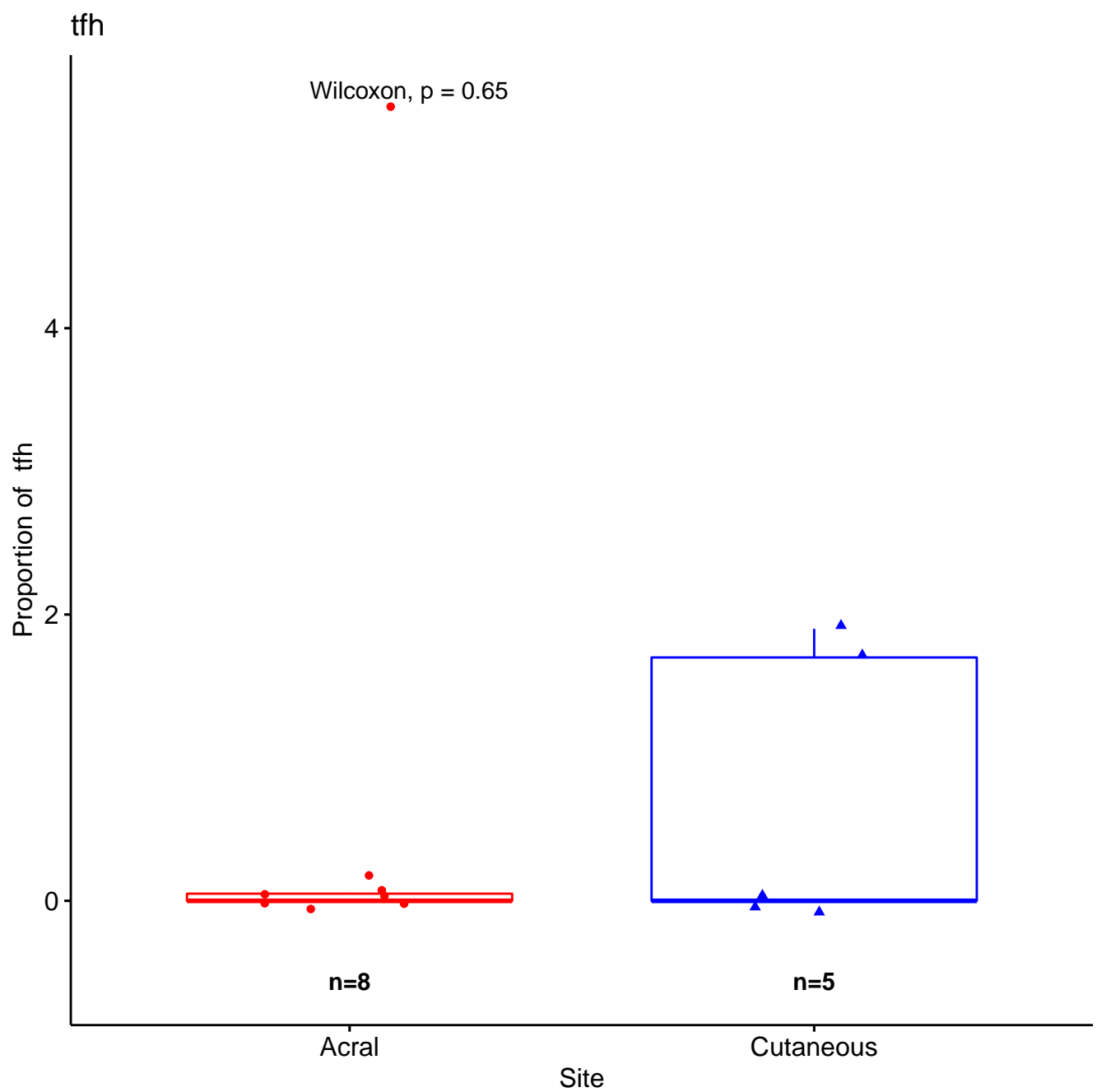
macrophages

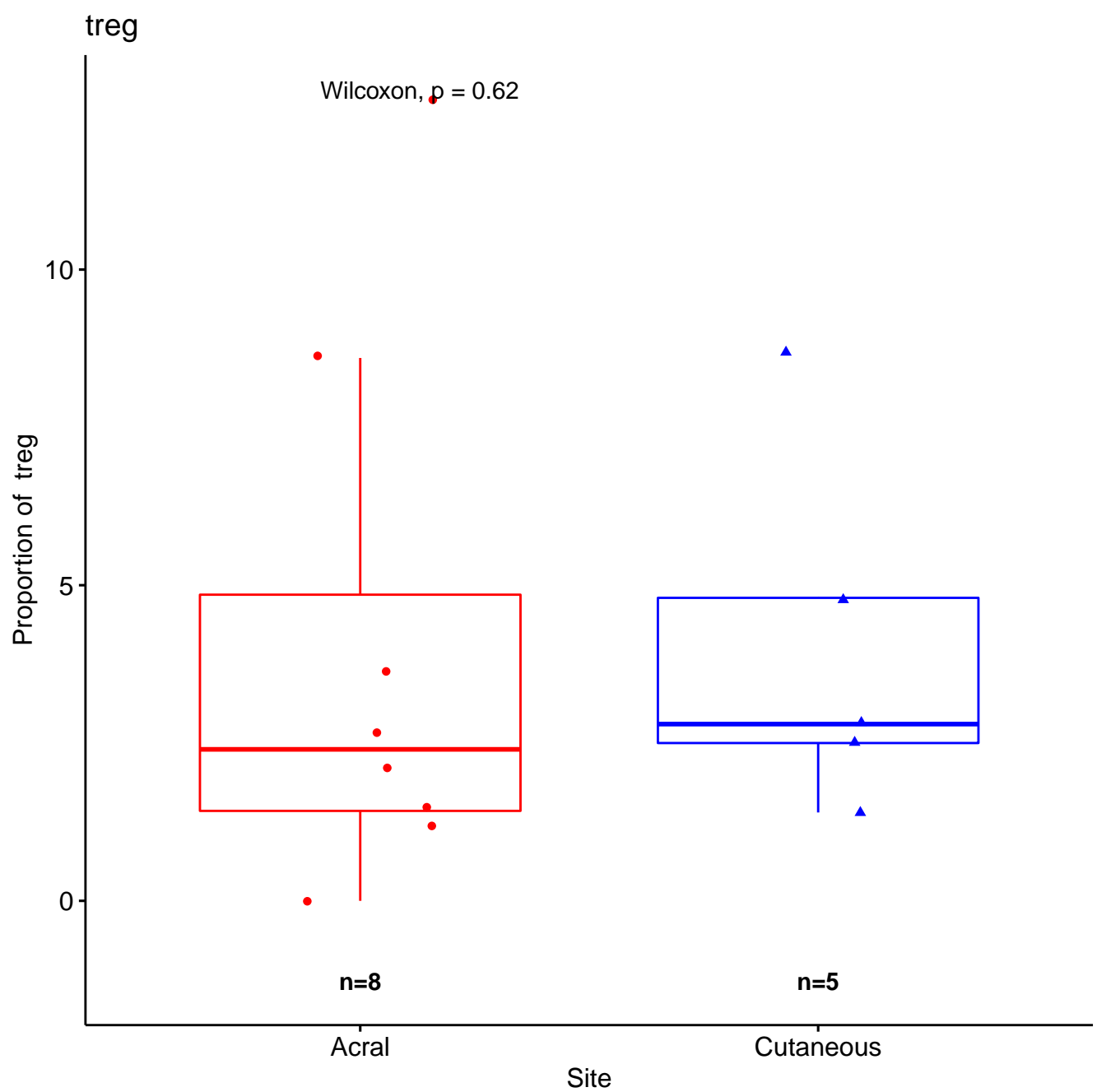


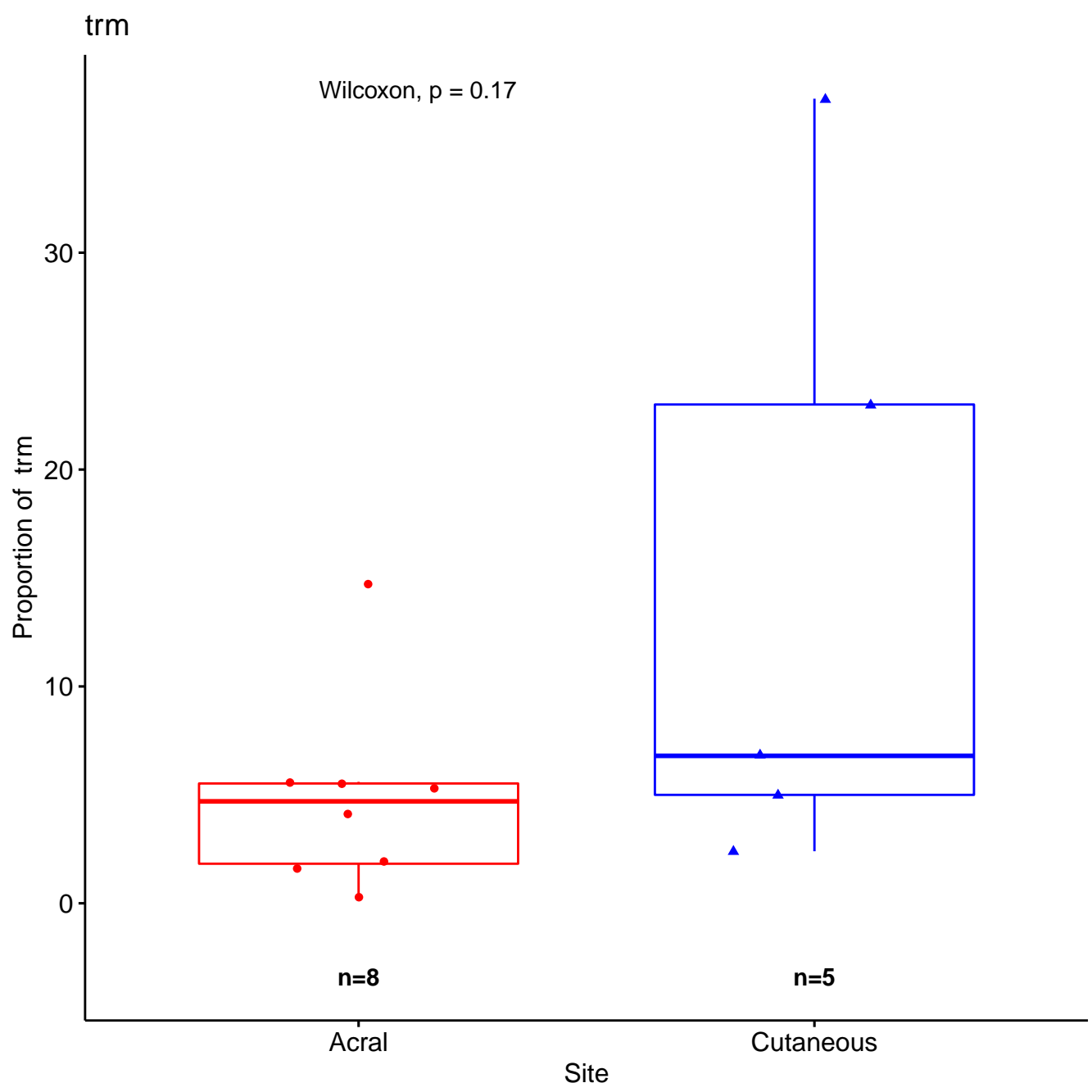
monocytes

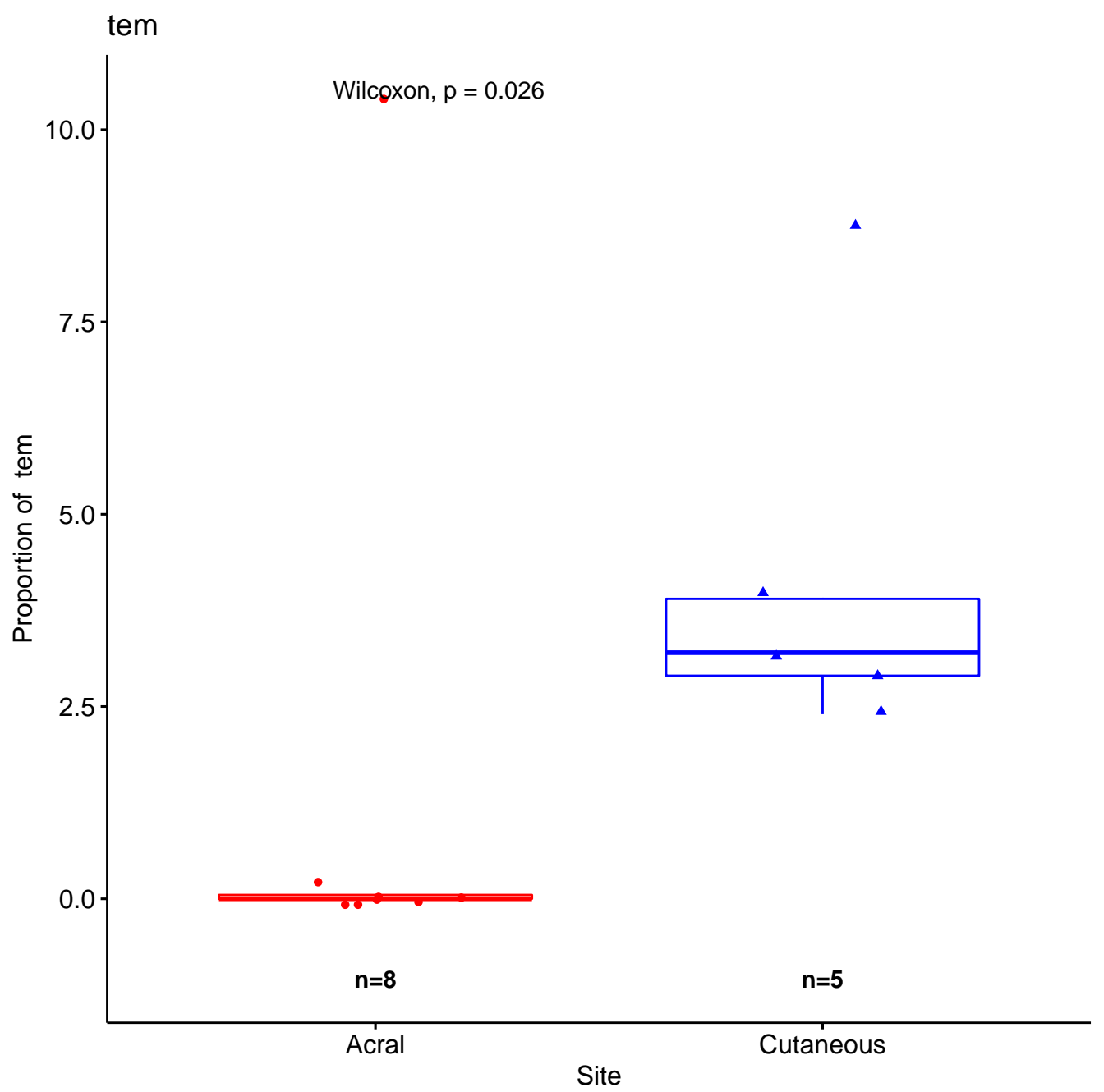




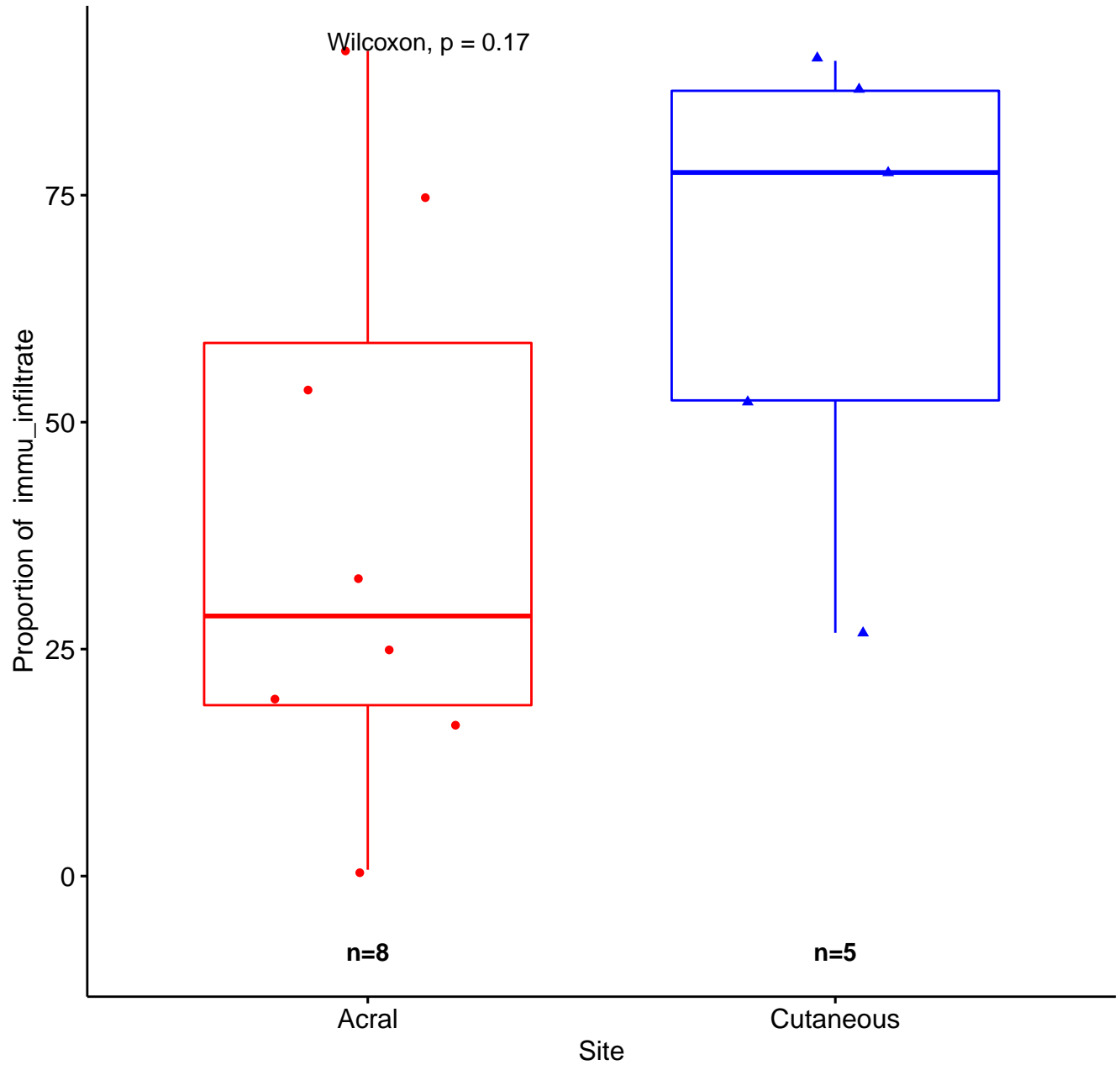








immu_infiltrate



gamma_delta_t

4

3

2

1

0

Wilcoxon, $p = 0.022$

Proportion of gamma_delta_t

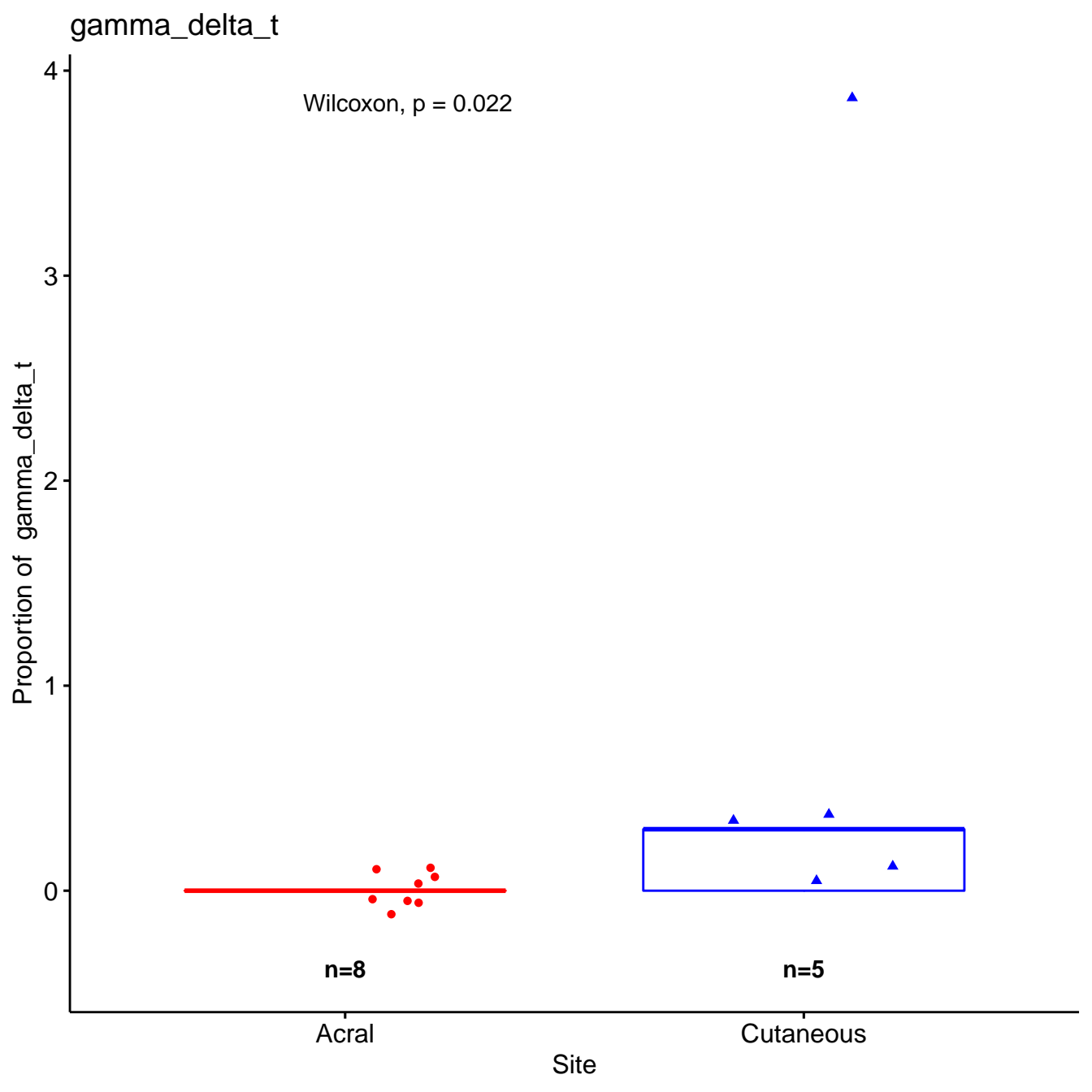
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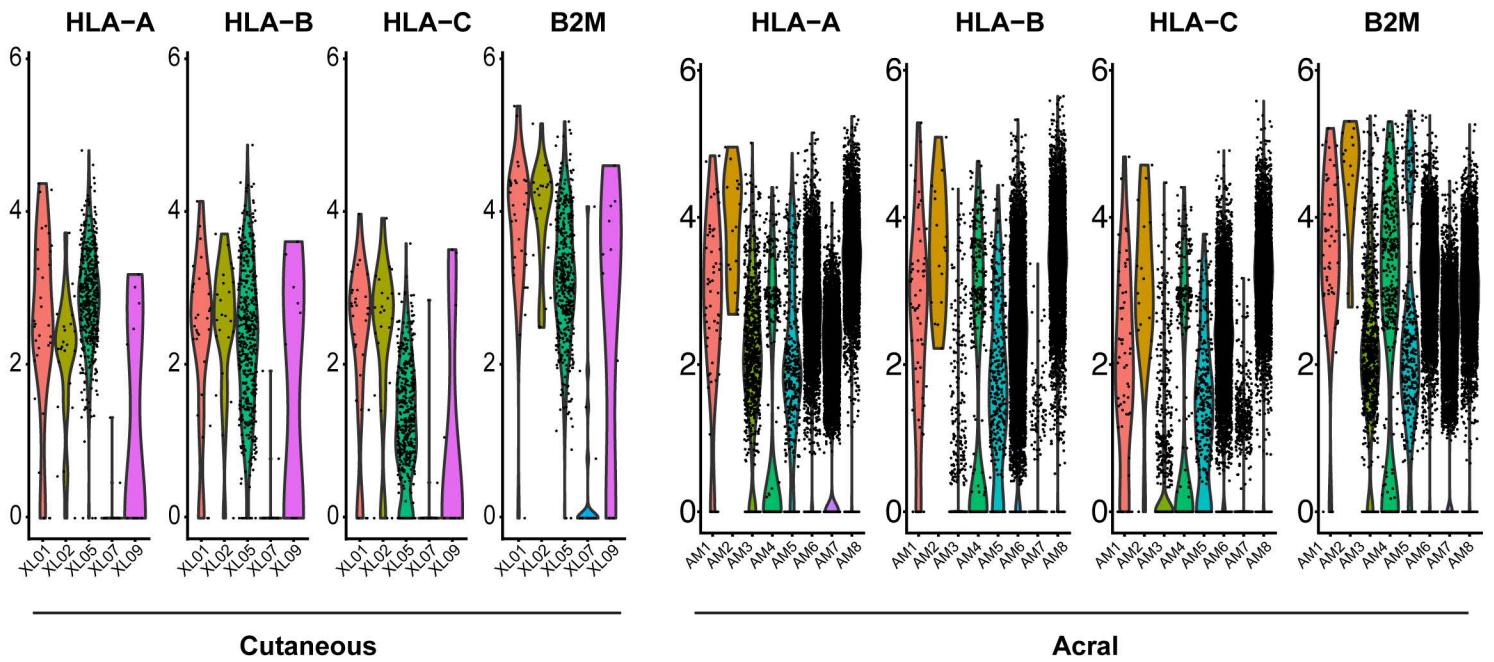
n=5

Acral

Cutaneous

Site





Supplemental Figure 14. Violin plots showing the expression of HLA genes in the tumor cells for each acral and cutaneous melanoma sample. AM8 sample shown is the primary tumor.