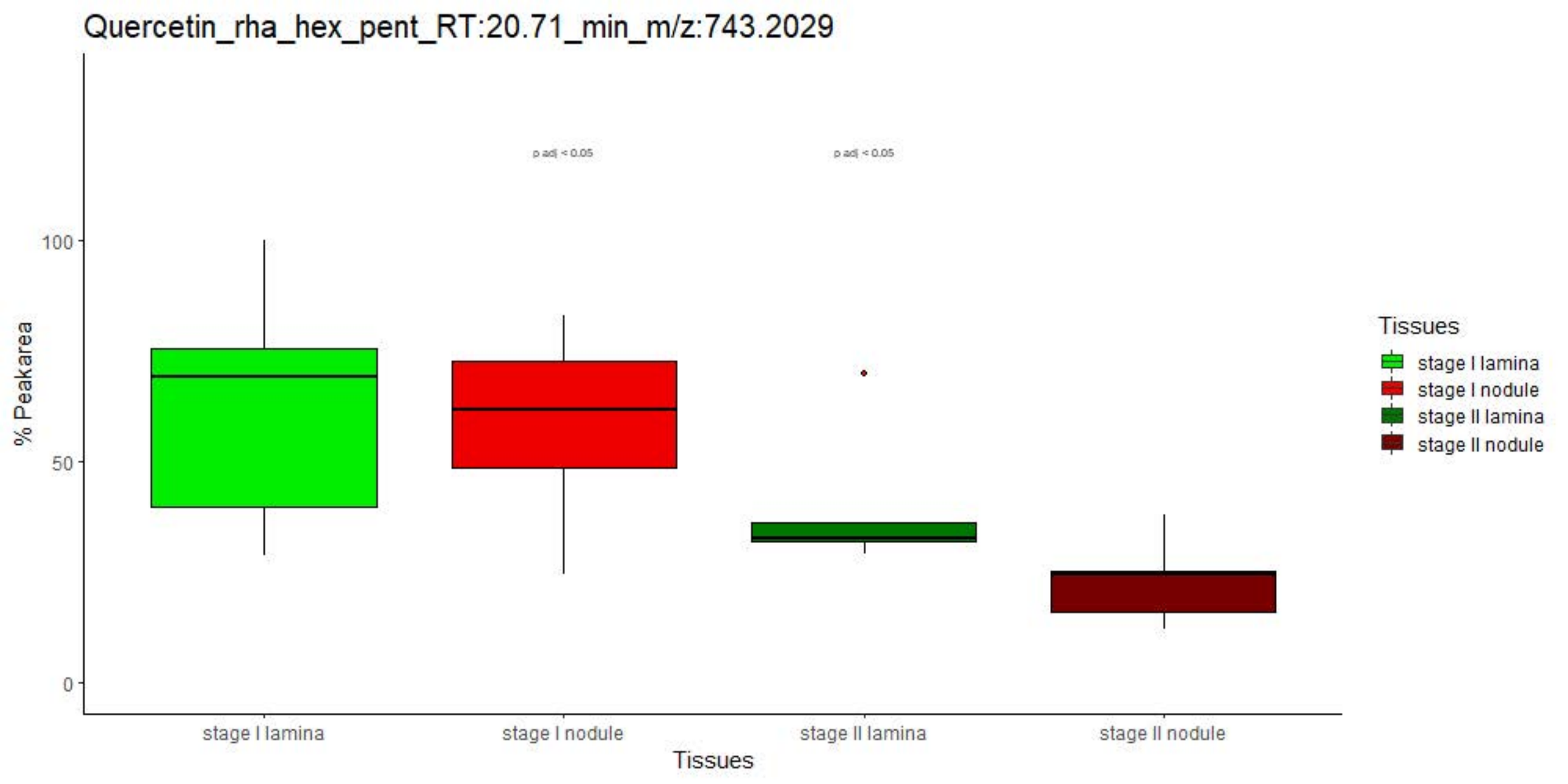
Quercetin_rha_hex_pent_RT:20.71_min_m/z:743.2029
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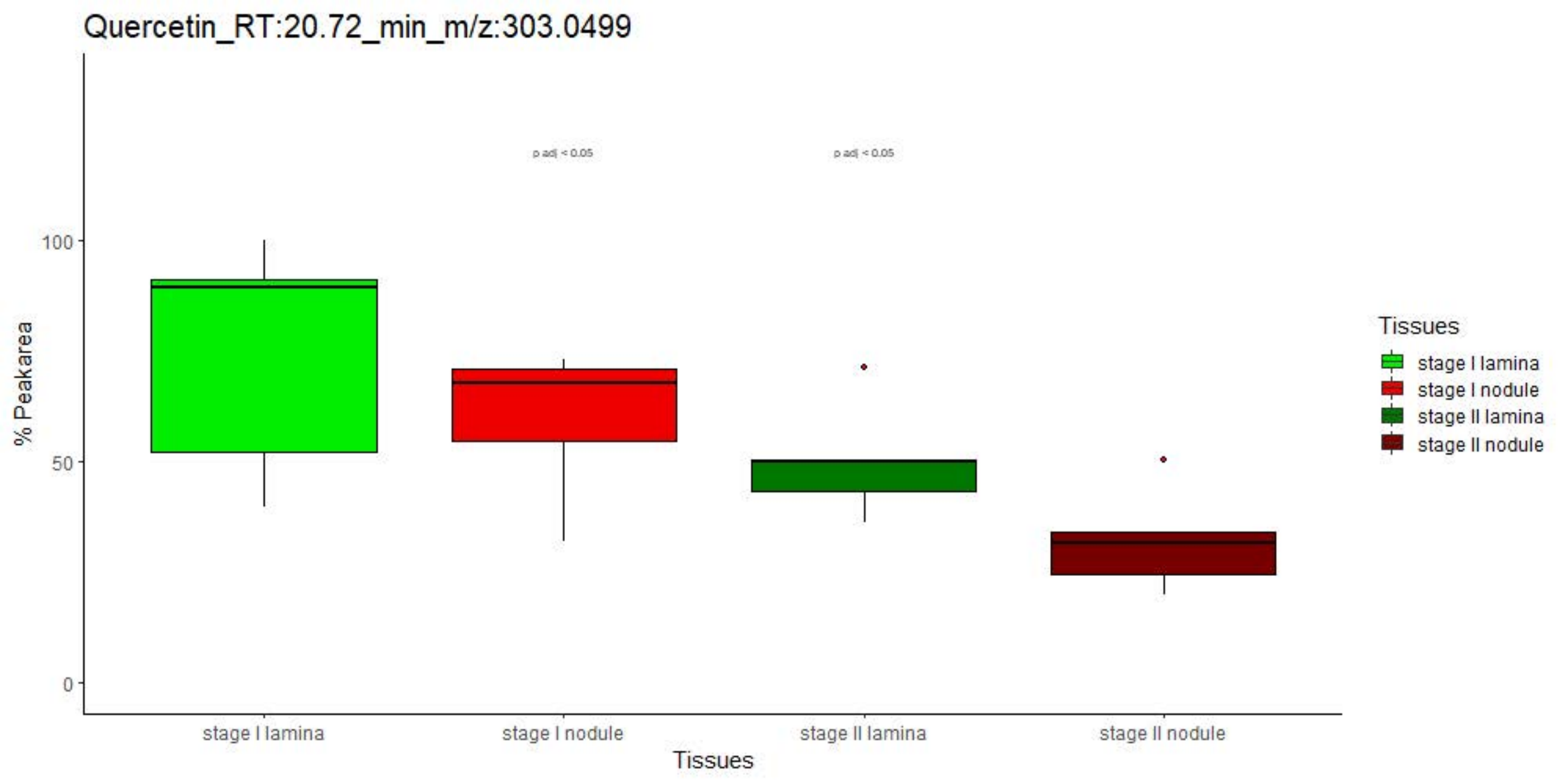
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Quercetin_RT:20.72_min_m/z:303.0499
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100
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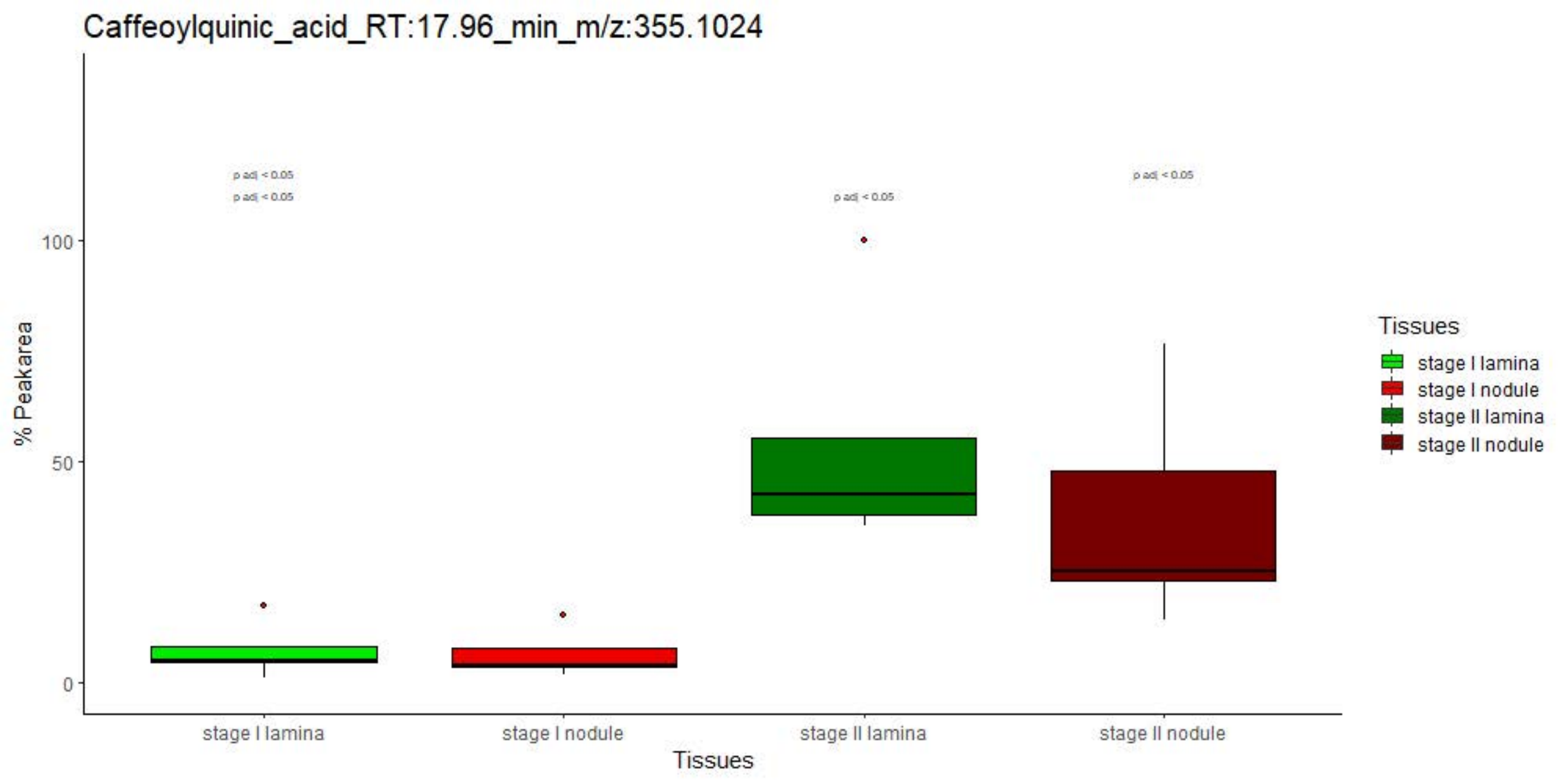
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Caffeoylquinic_acid_RT:17.96_min_m/z:355.1024
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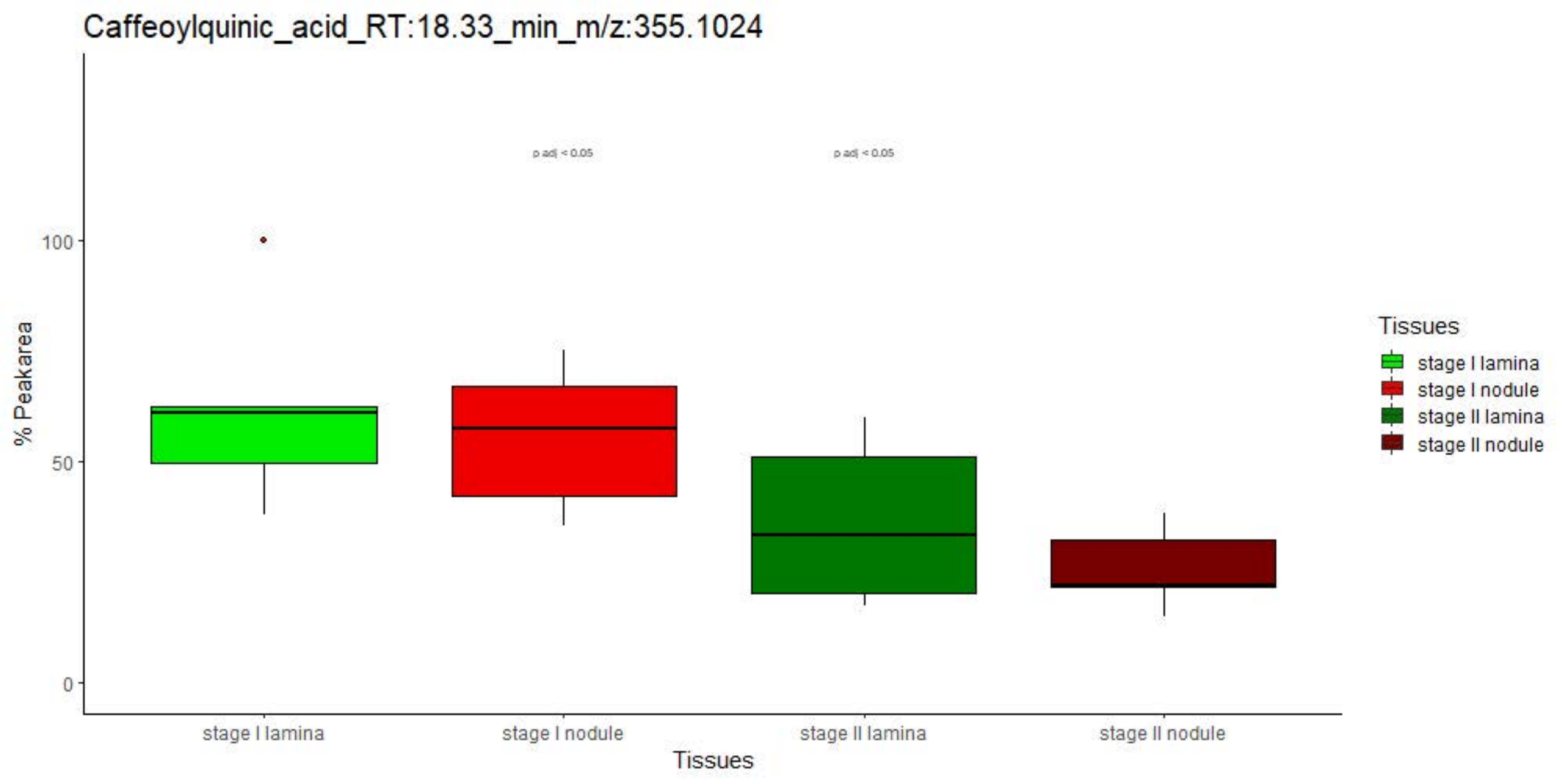
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Caffeoylquinic_acid_RT:18.33_min_m/z:355.1024
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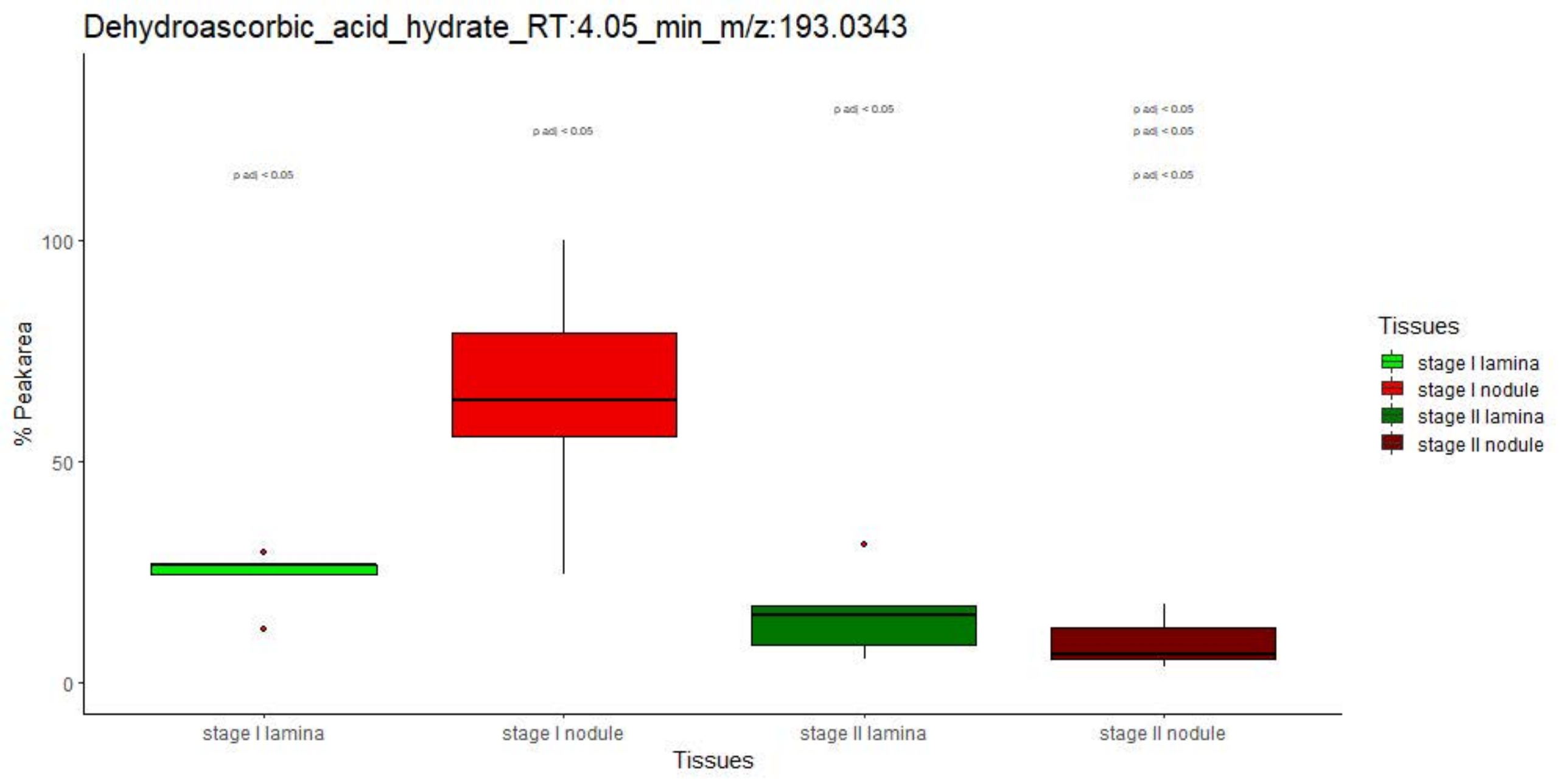
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Dehydroascorbic_acid_hydrate_RT:4.05_min_m/z:193.0343
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p adj < 0.05
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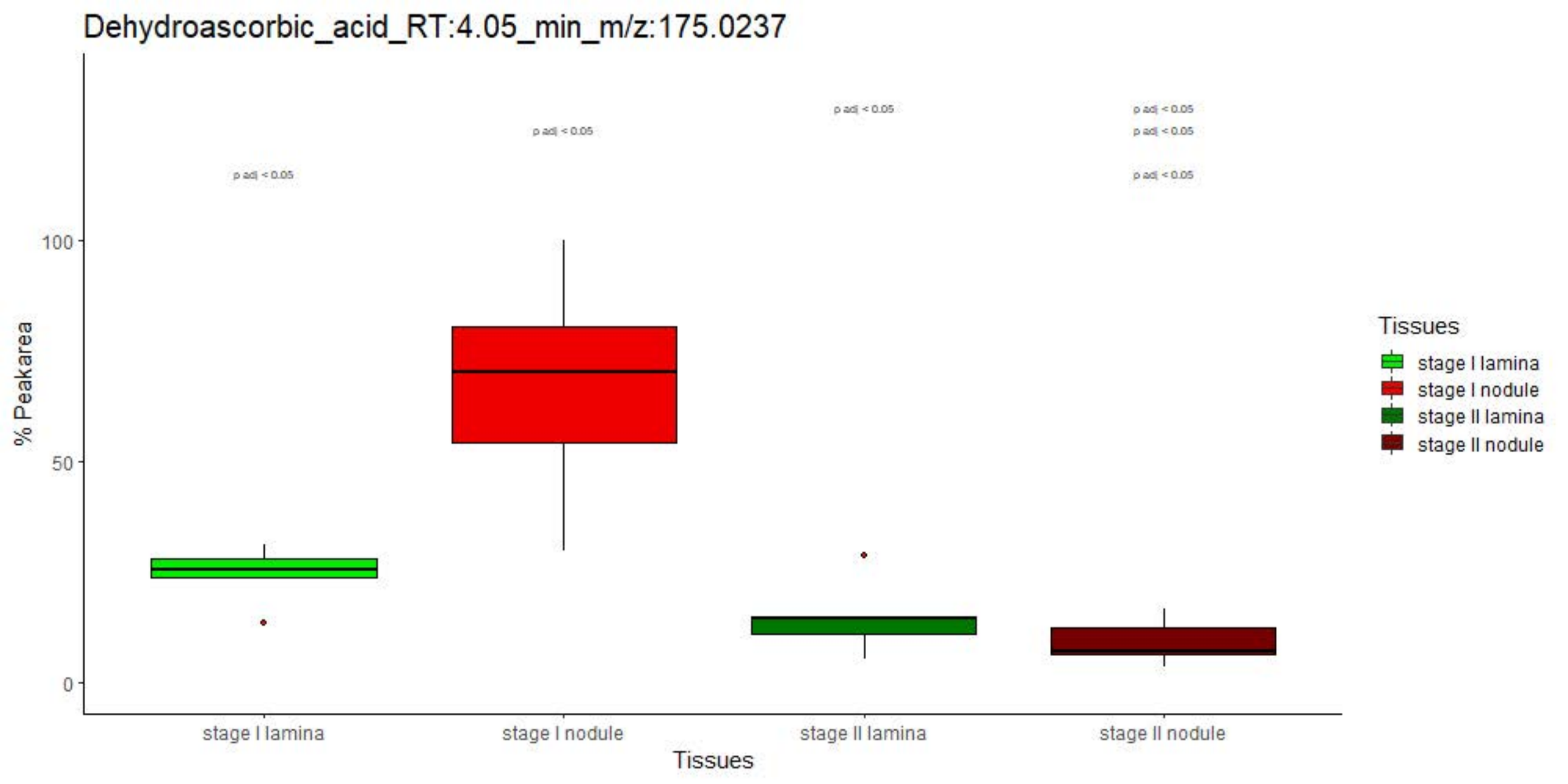
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Dehydroascorbic_acid_RT:4.05_min_m/z:175.0237
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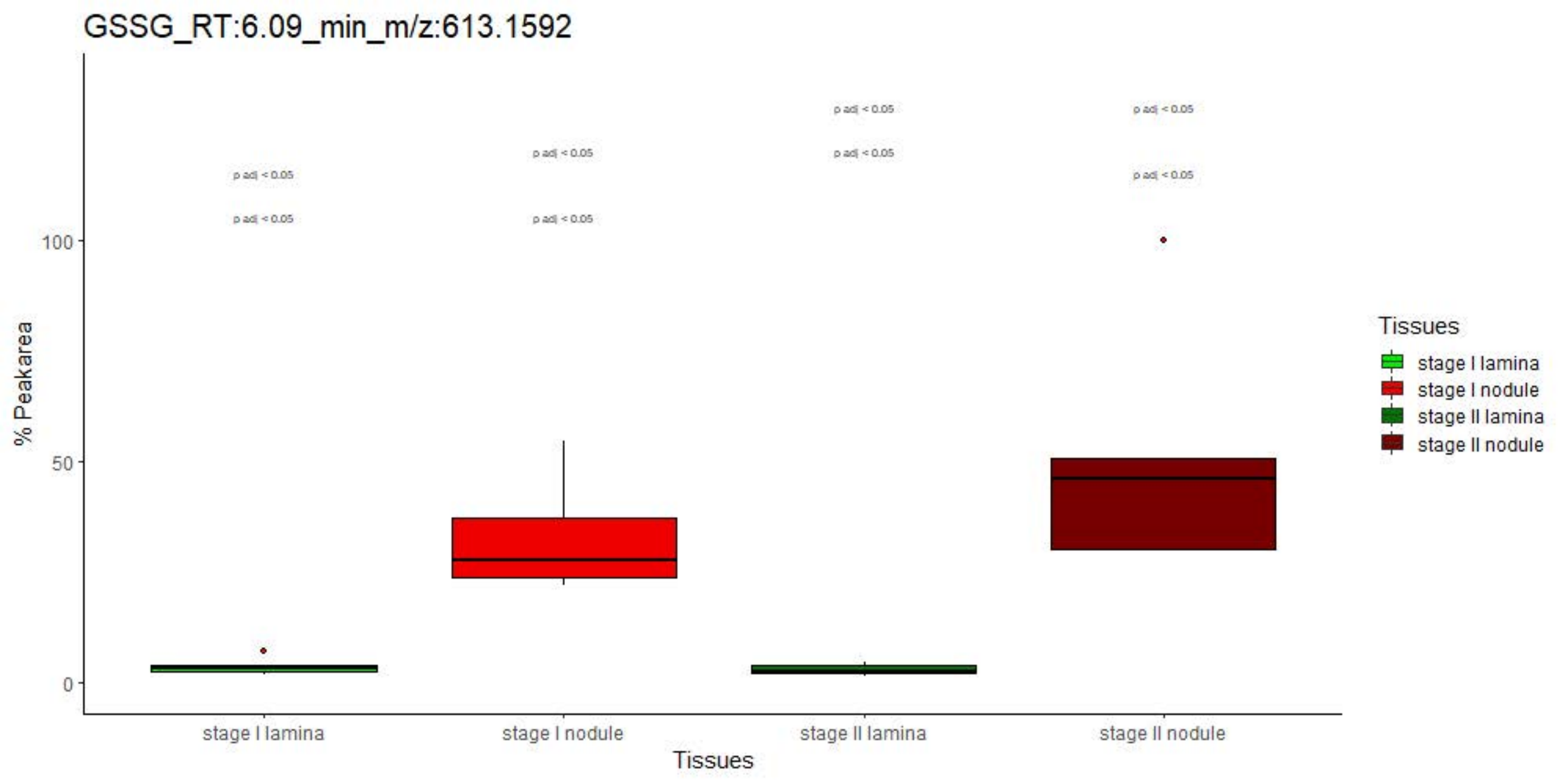
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


GSSG_RT:6.09_min_m/z:613.1592
p adj < 0.05
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stage I lamina
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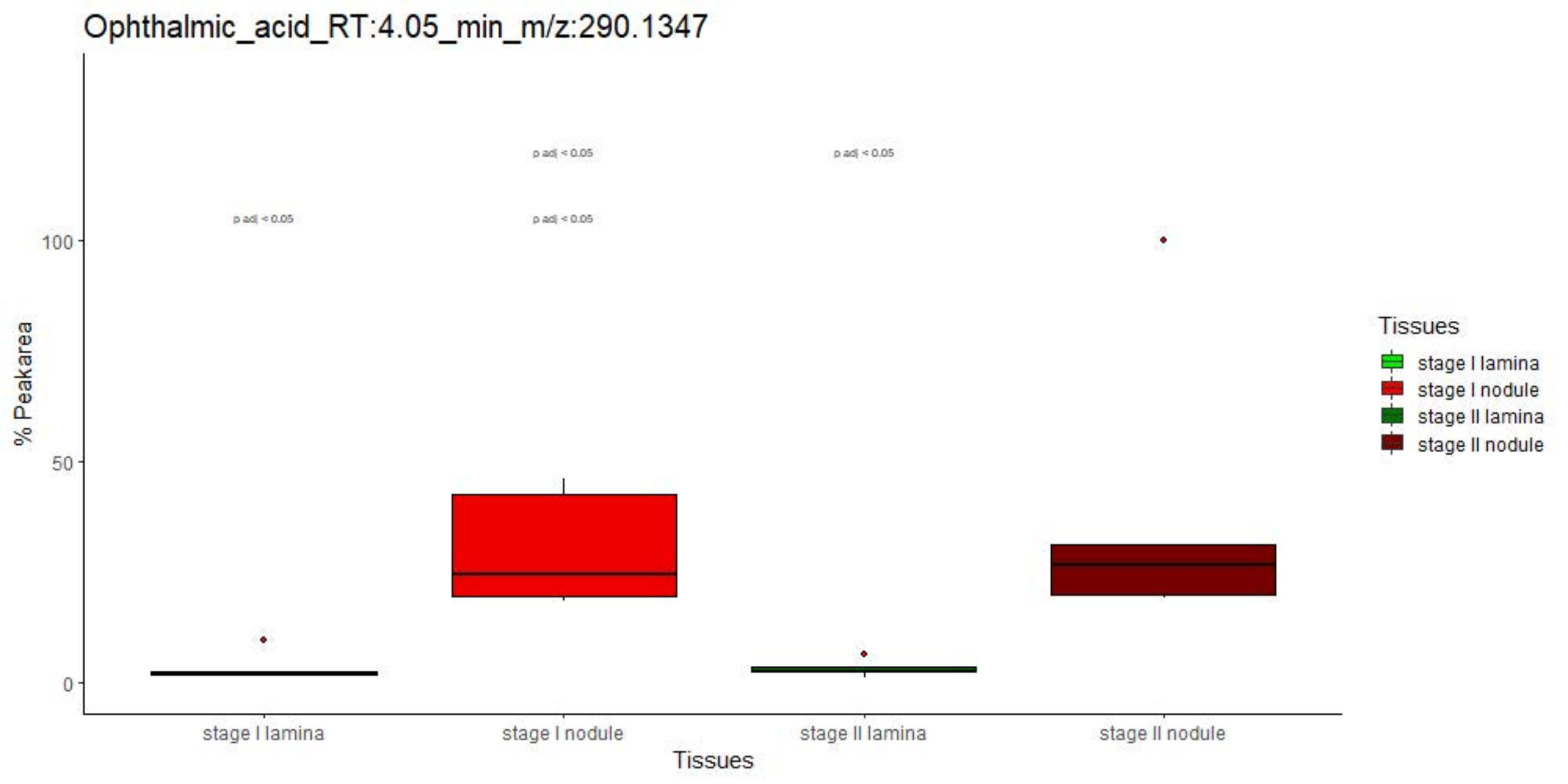
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Ophthalmic_acid_RT:4.05_min_m/z:290.1347
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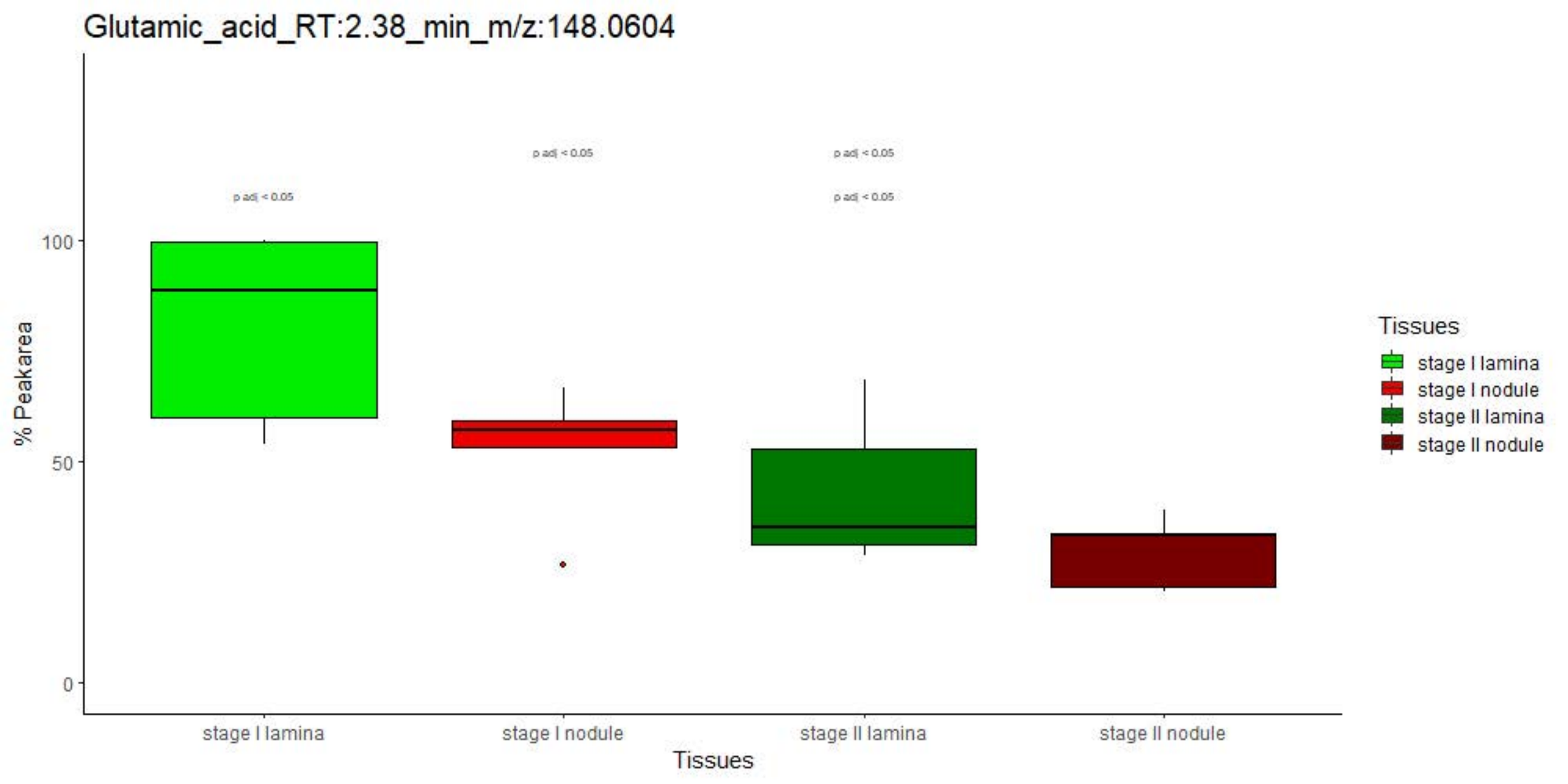
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Glutamic_acid_RT:2.38_min_m/z:148.0604
p adj < 0.05
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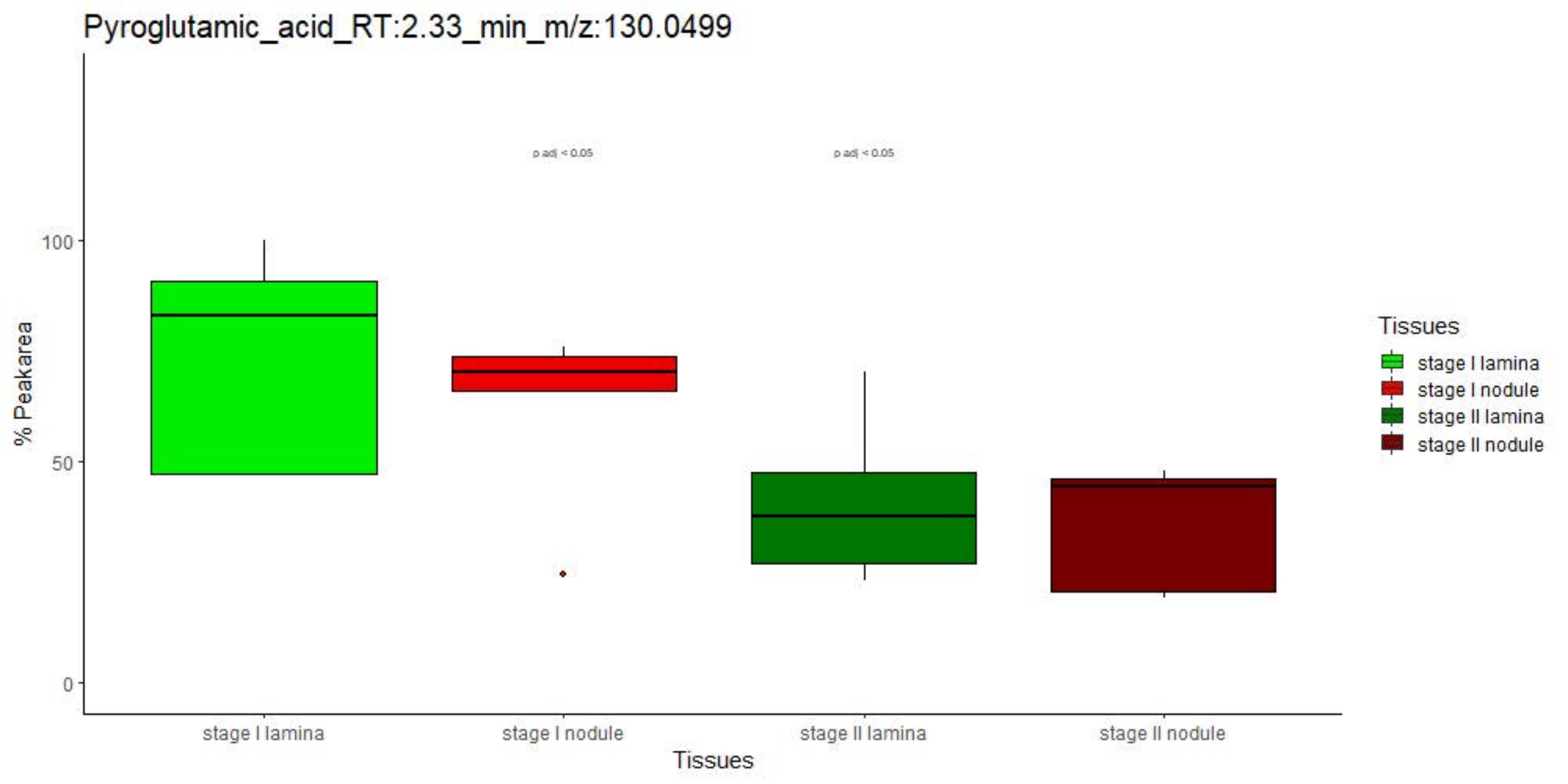
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Pyroglutamic_acid_RT:2.33_min_m/z:130.0499
p adj < 0.05
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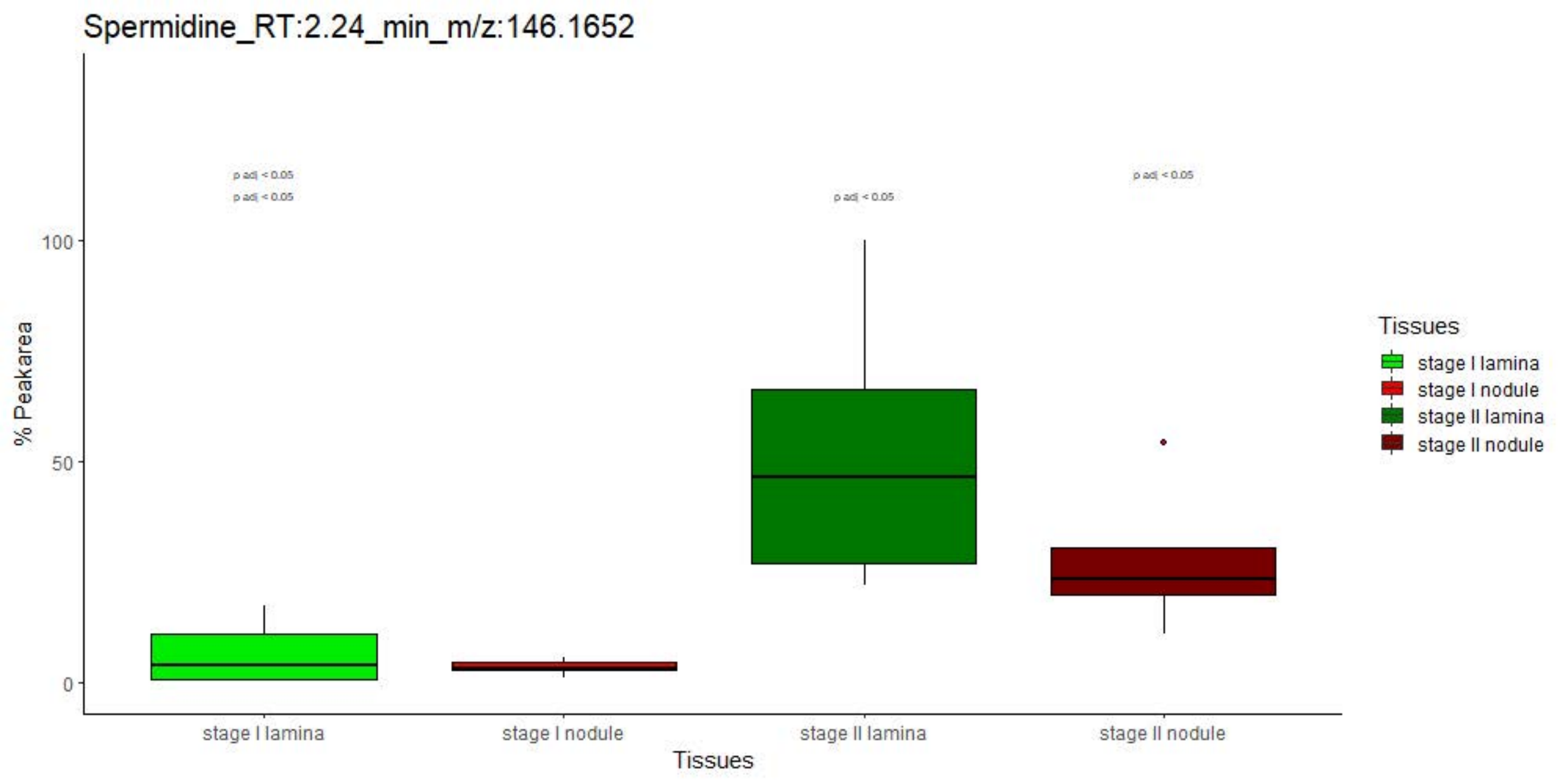
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Spermidine_RT:2.24_min_m/z:146.1652
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p adj < 0.05
p adj < 0.05
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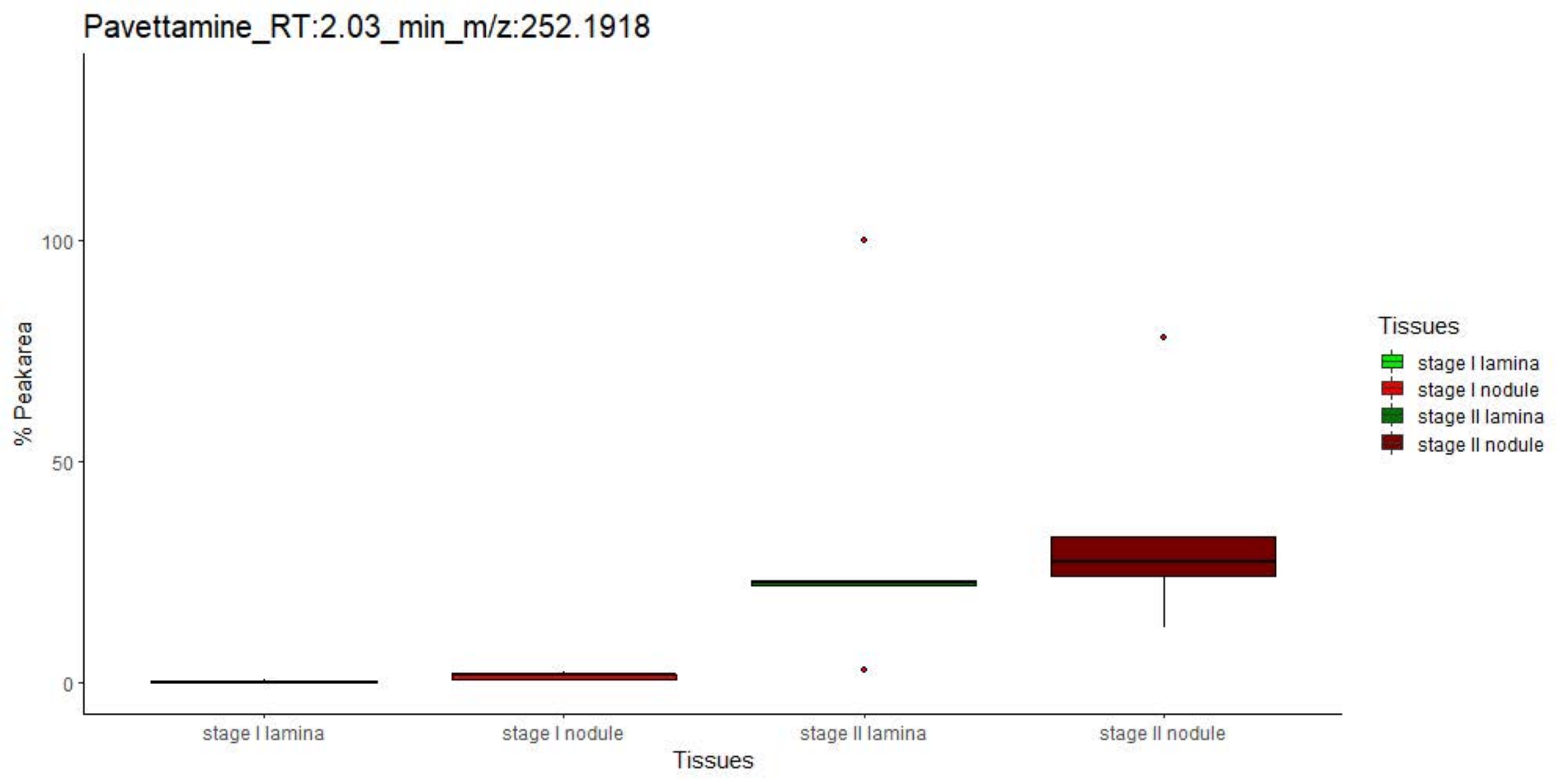
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Pavettamine_RT:2.03_min_m/z:252.1918
% Peakarea
100
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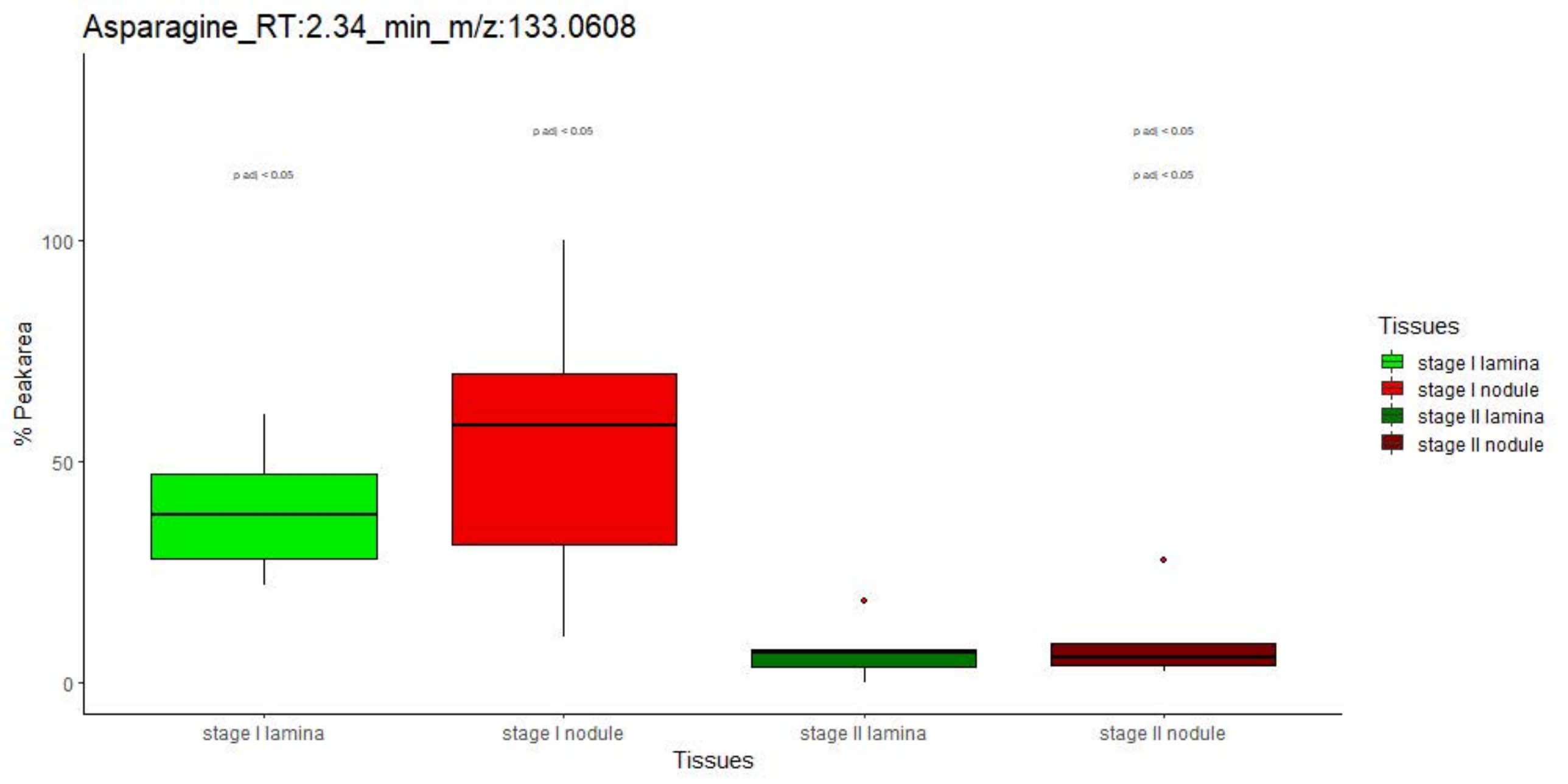
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Asparagine_RT:2.34_min_m/z:133.0608
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p adj < 0.05
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50
0
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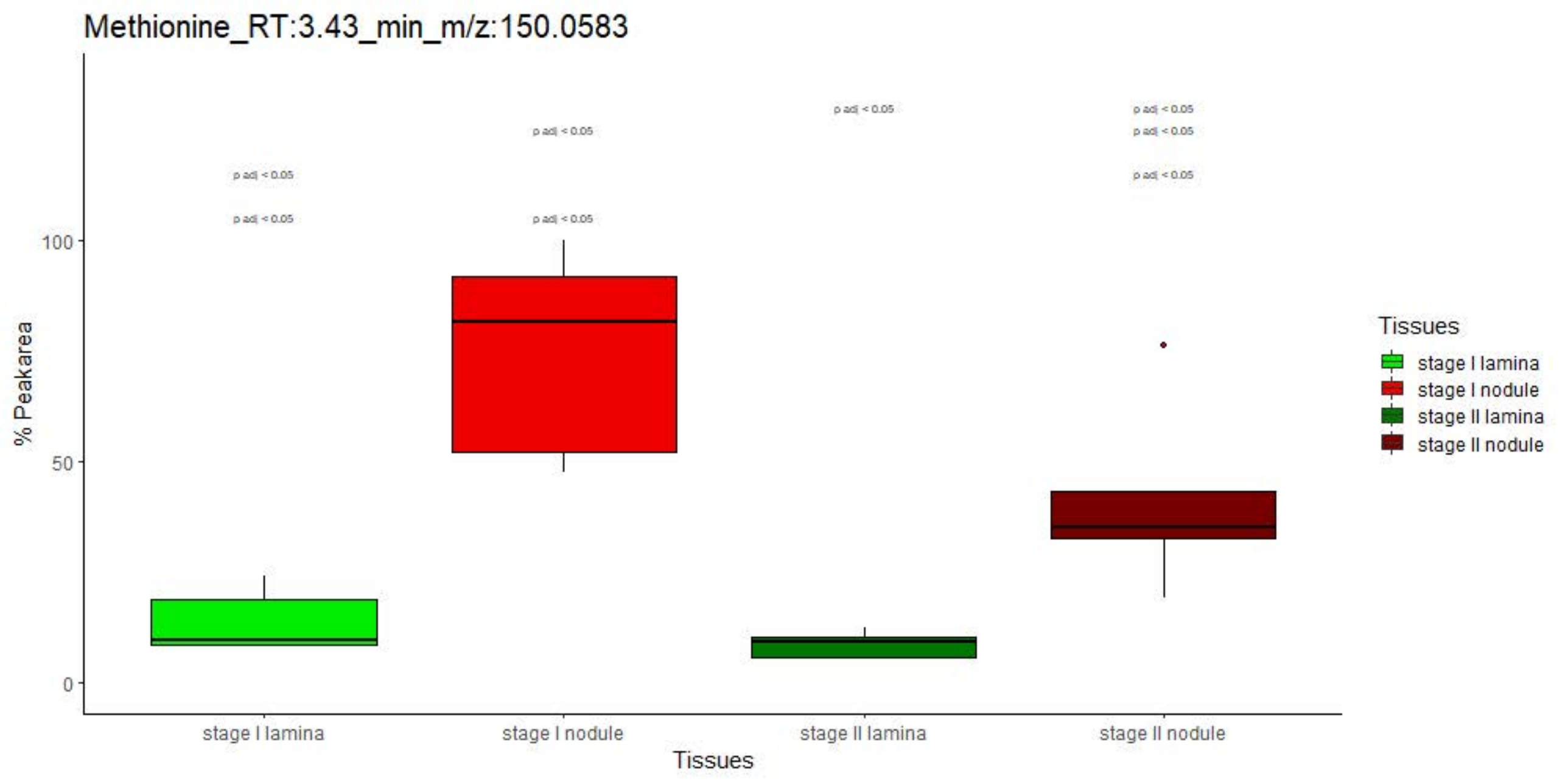
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Methionine_RT:3.43_min_m/z:150.0583
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p adj < 0.05
100
50
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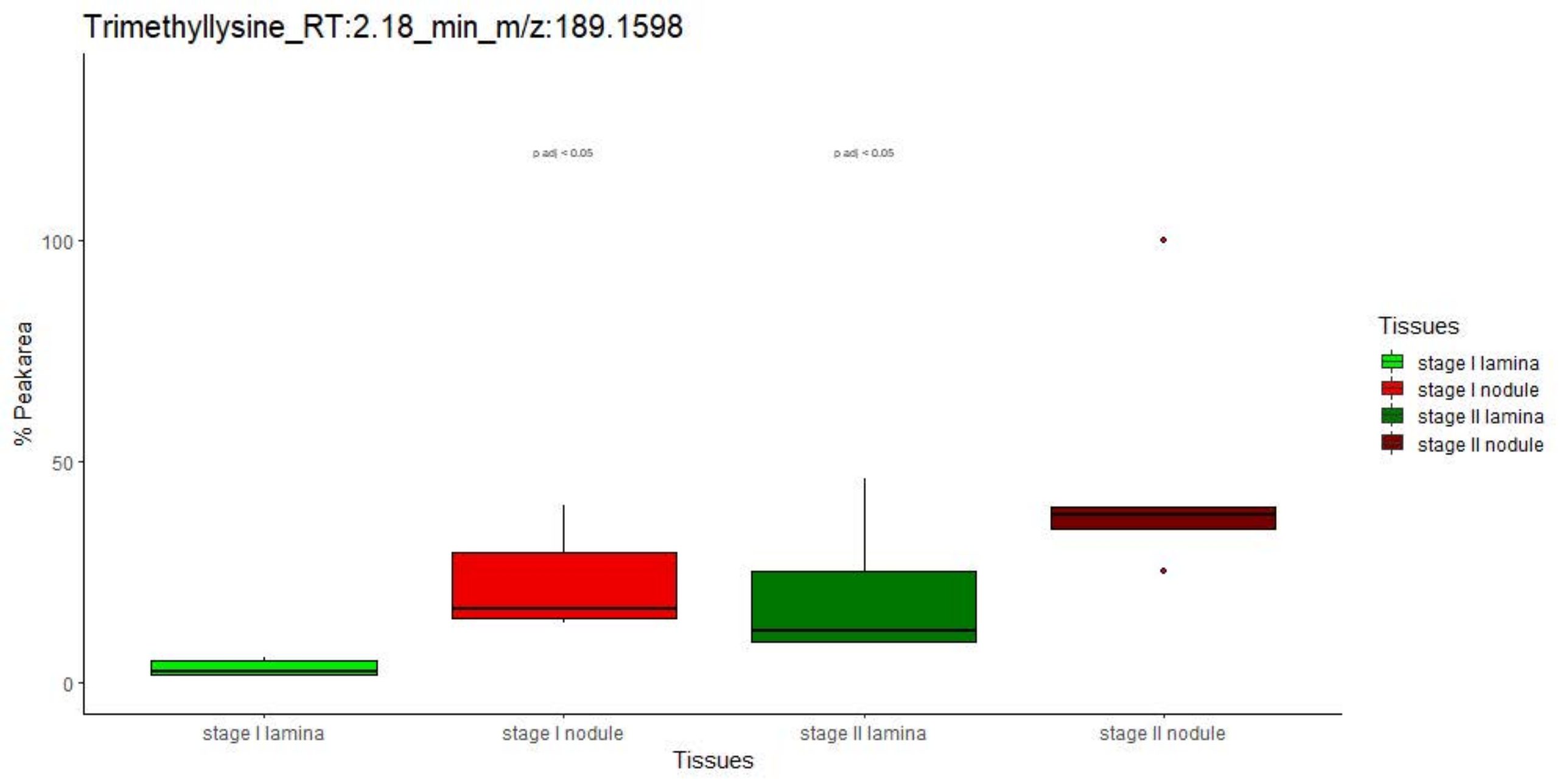
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Trimethyllysine_RT:2.18_min_m/z:189.1598
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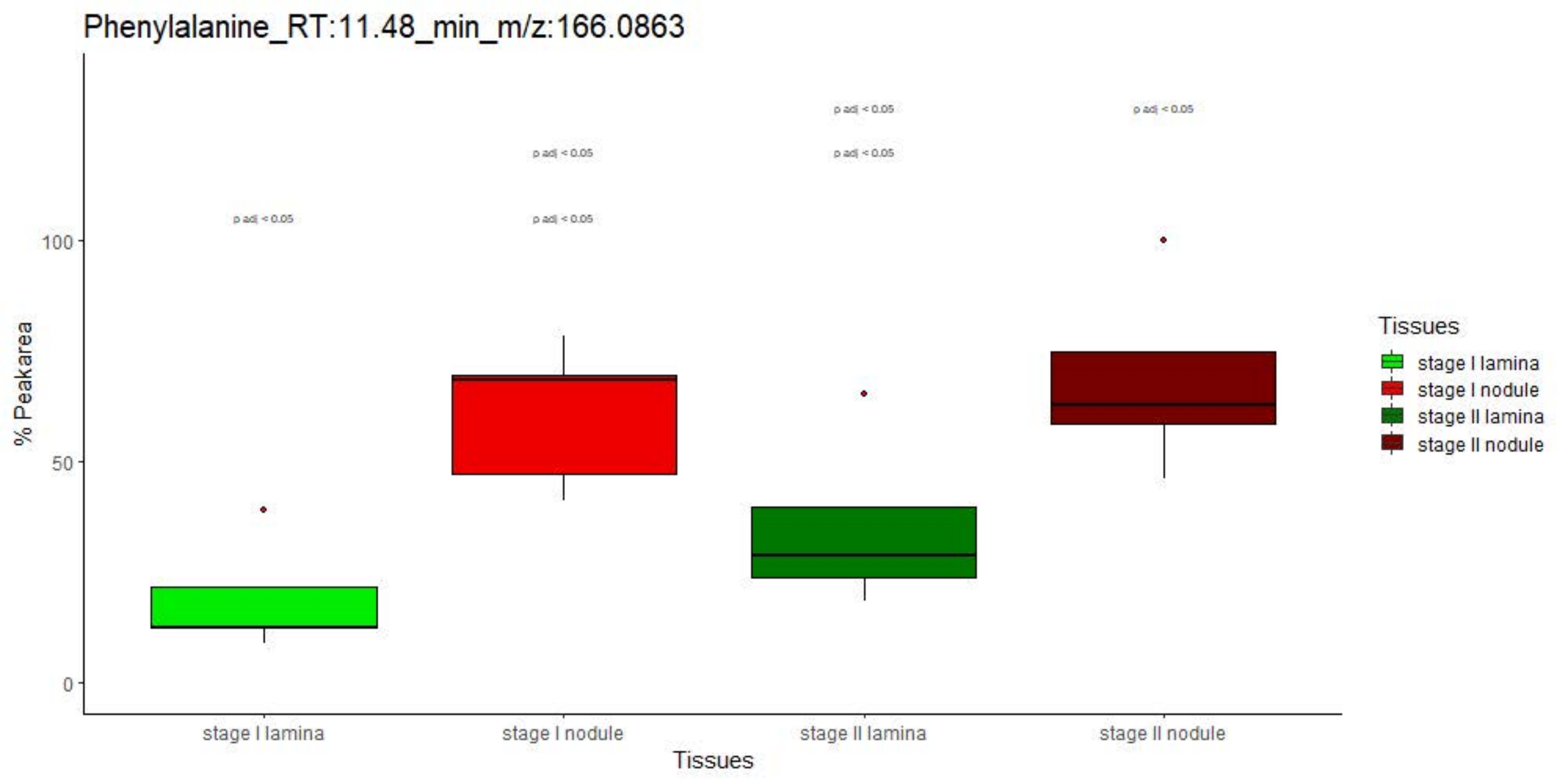
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Phenylalanine_RT:11.48_min_m/z:166.0863
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p adj < 0.05
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p adj < 0.05
100
50
0
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stage I lamina
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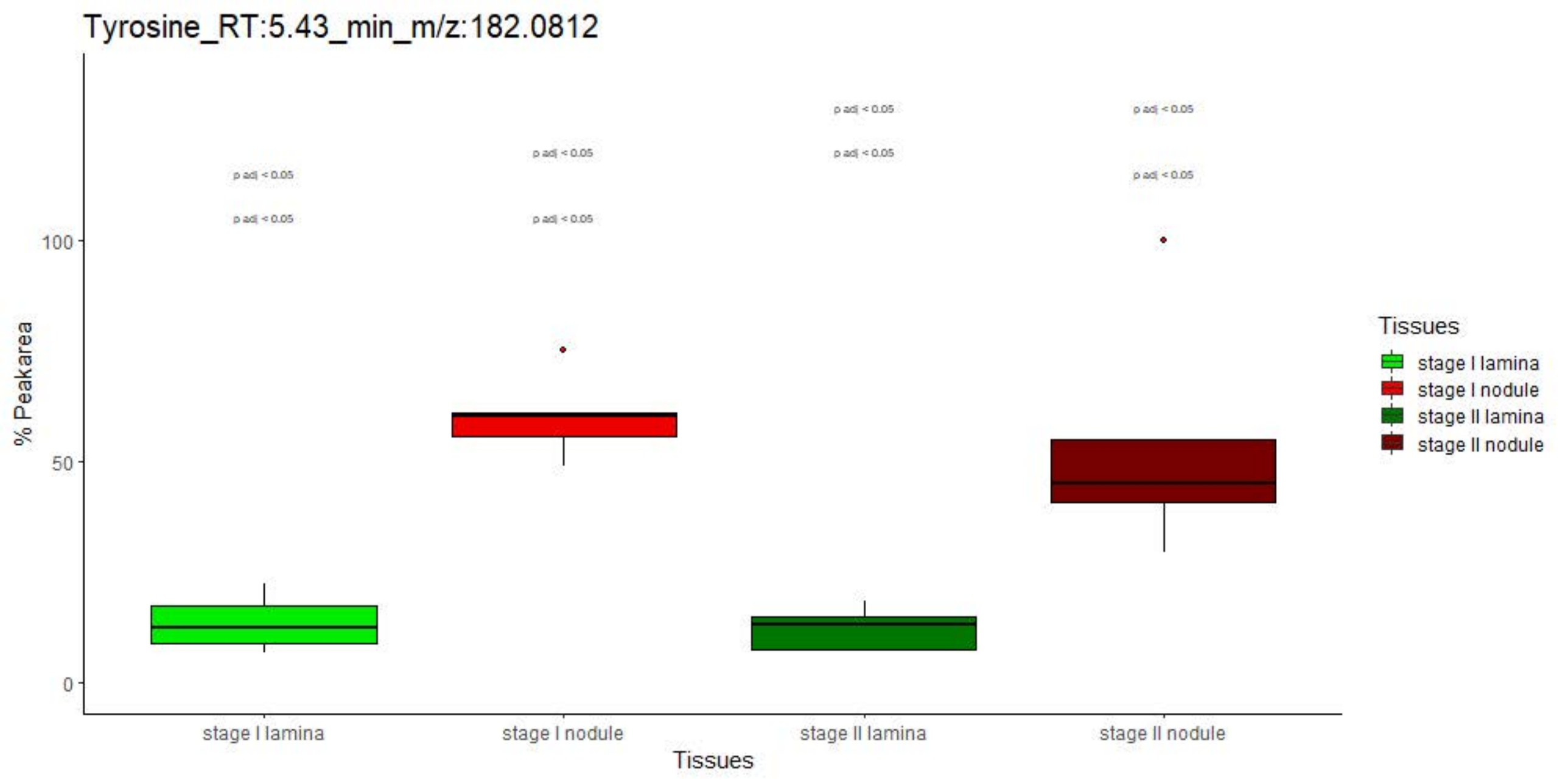
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Tyrosine_RT:5.43_min_m/z:182.0812
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p adj < 0.05
100
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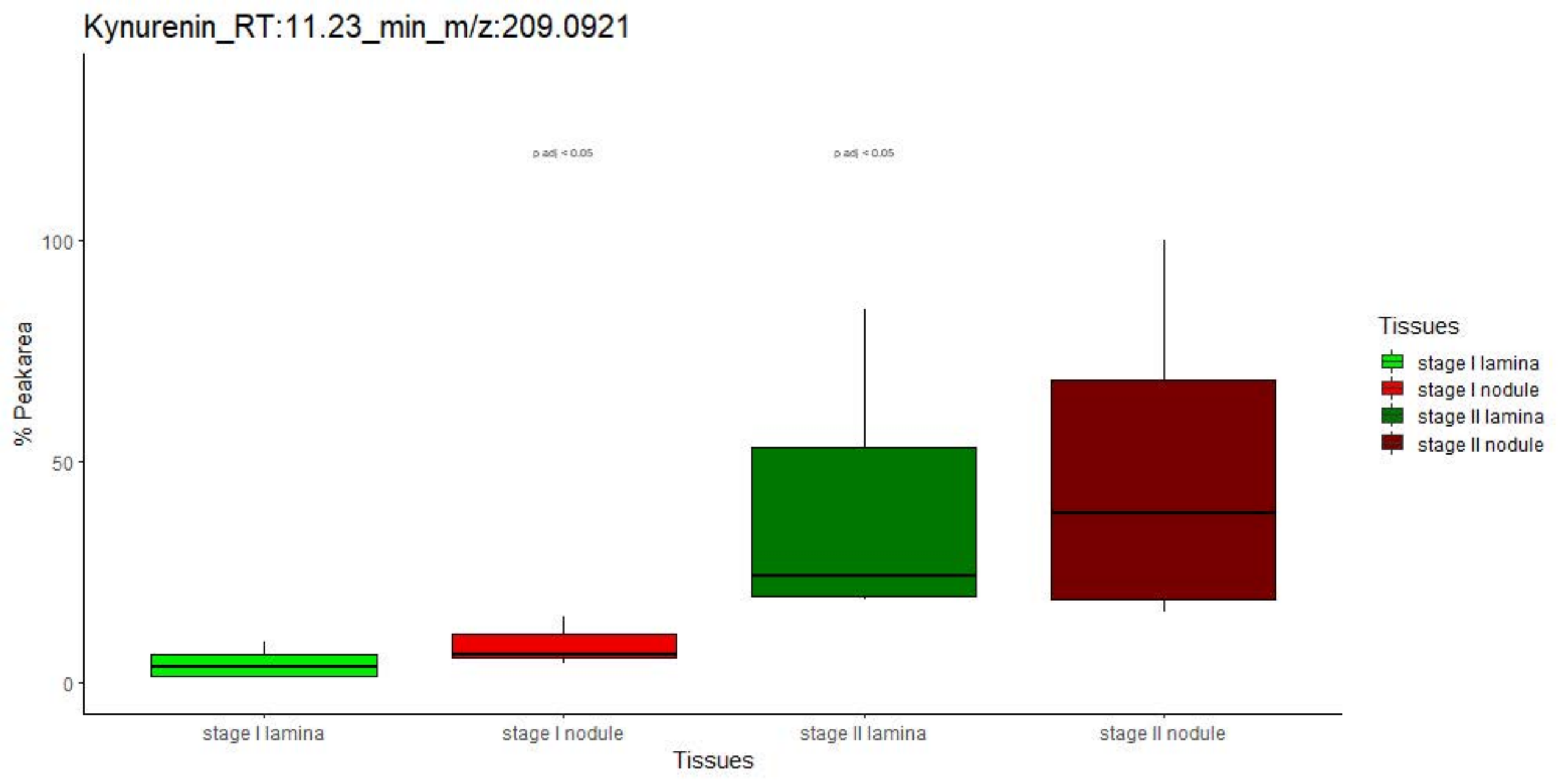
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Kynurenin_RT:11.23_min_m/z:209.0921
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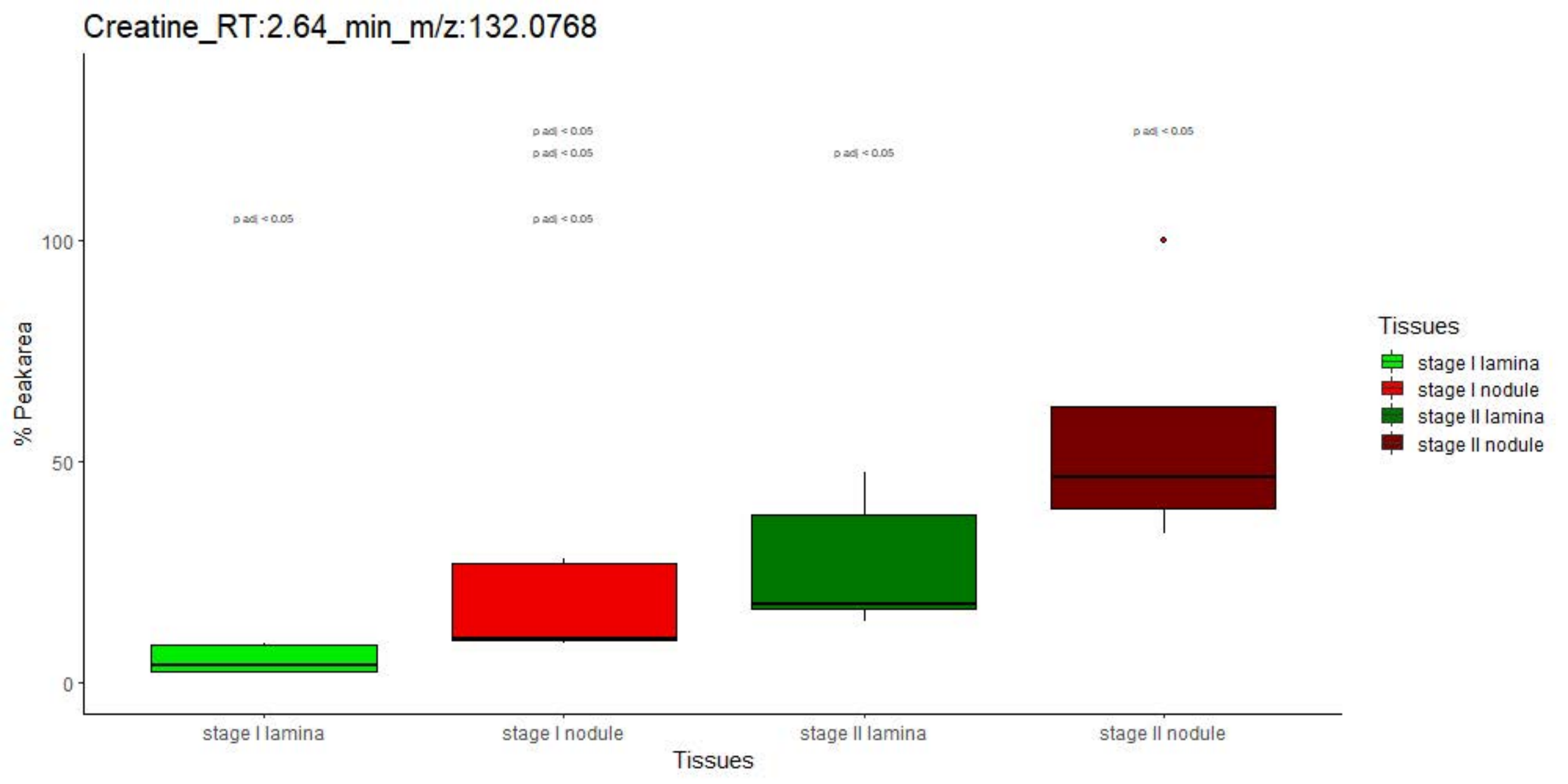
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Creatine_RT:2.64_min_m/z:132.0768
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p adj < 0.05
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50
0
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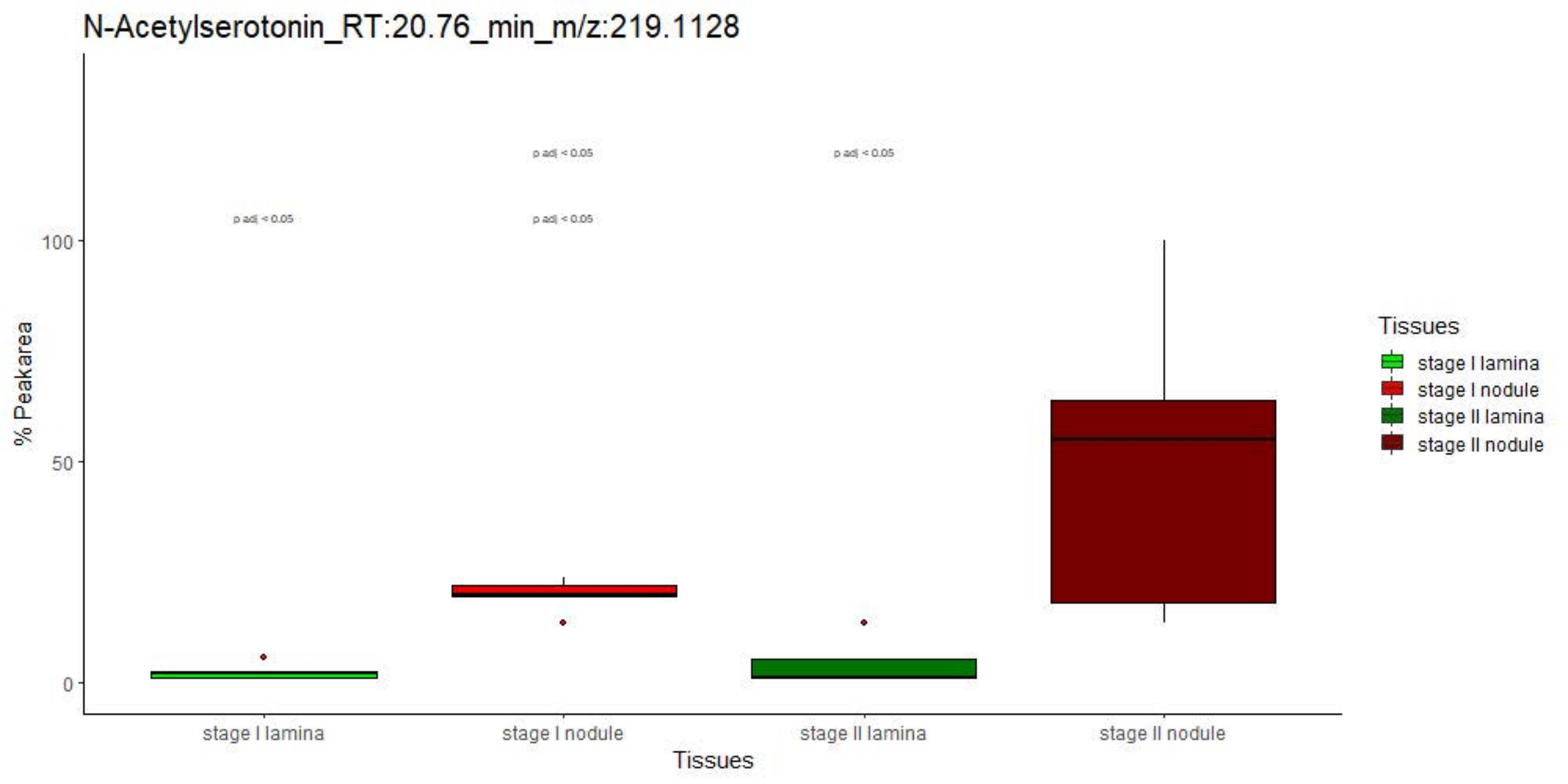
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


N-Acetylserotonin_RT:20.76_min_m/z:219.1128
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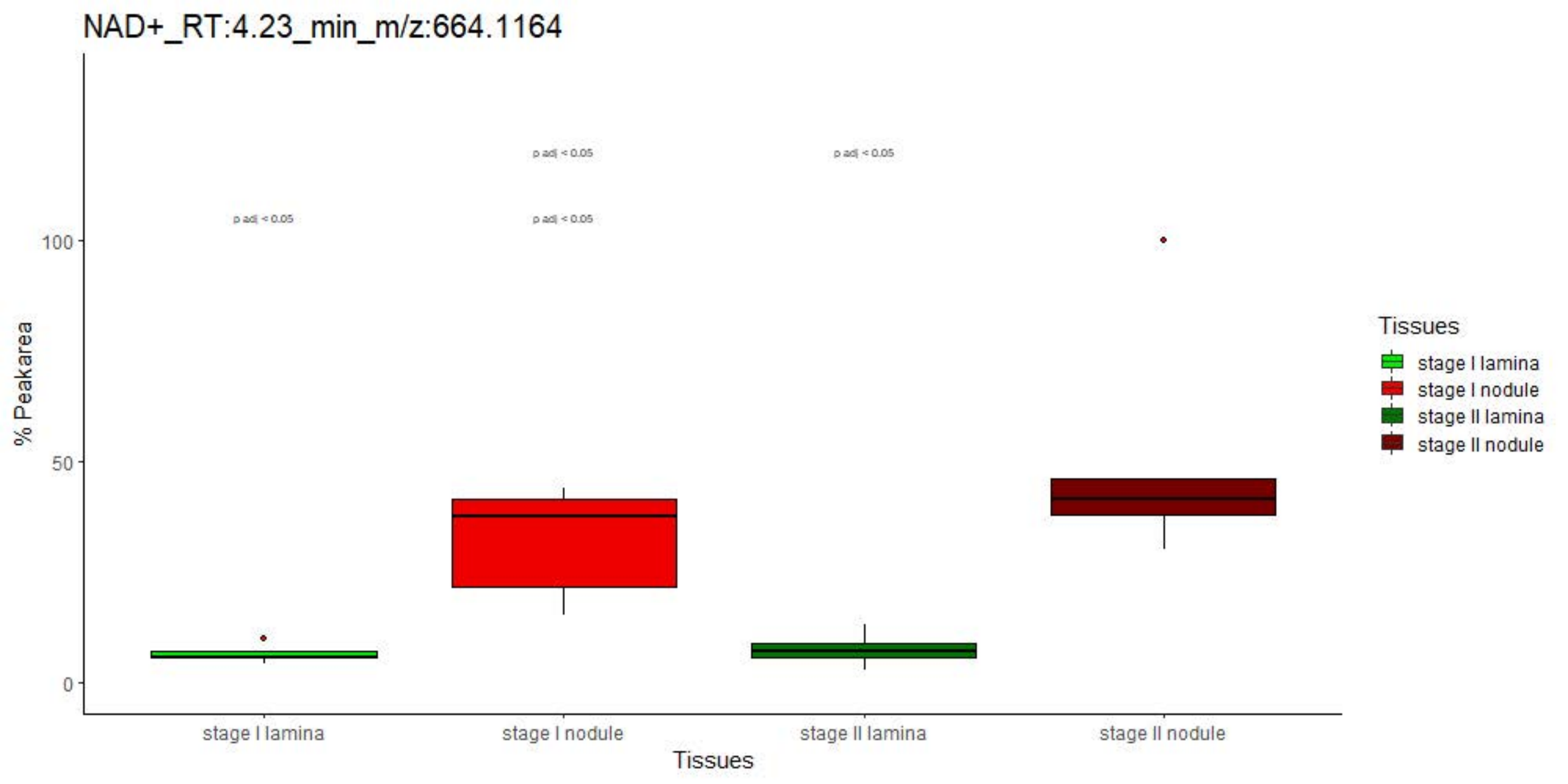
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NAD+_RT:4.23_min_m/z:664.1164
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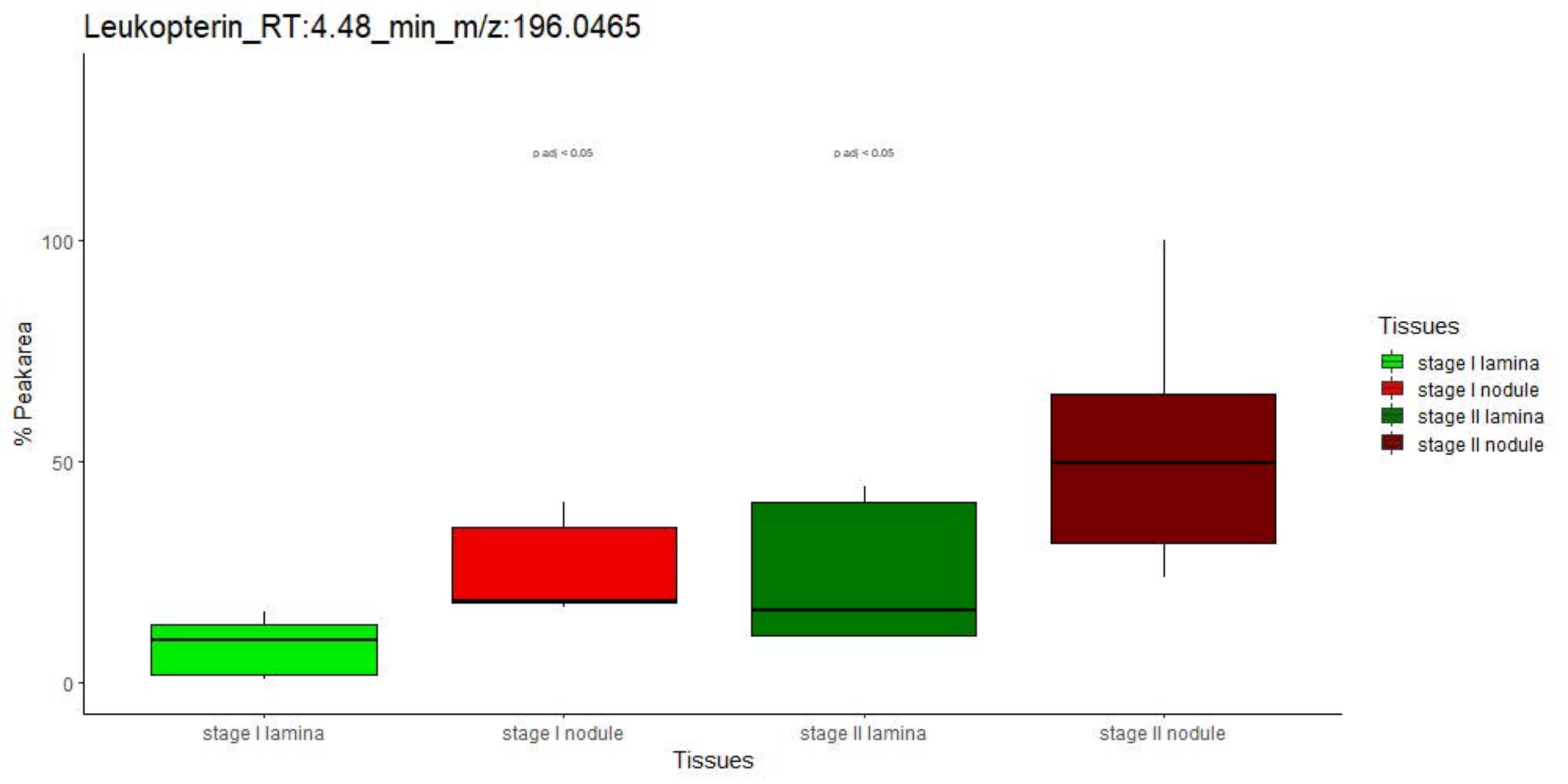
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Leukopterin_RT:4.48_min_m/z:196.0465
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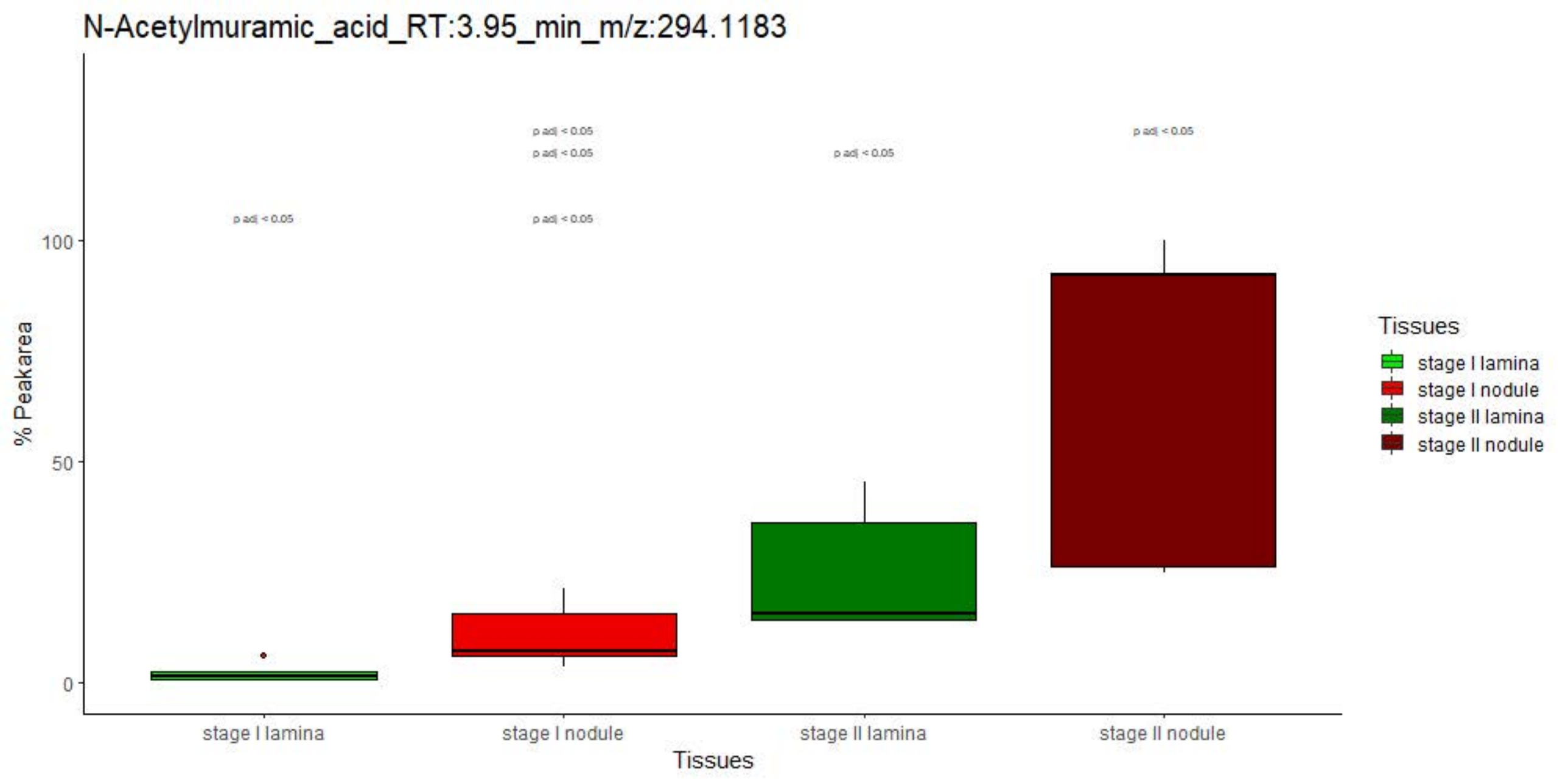
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


N-Acetylmuramic_acid_RT:3.95_min_m/z:294.1183
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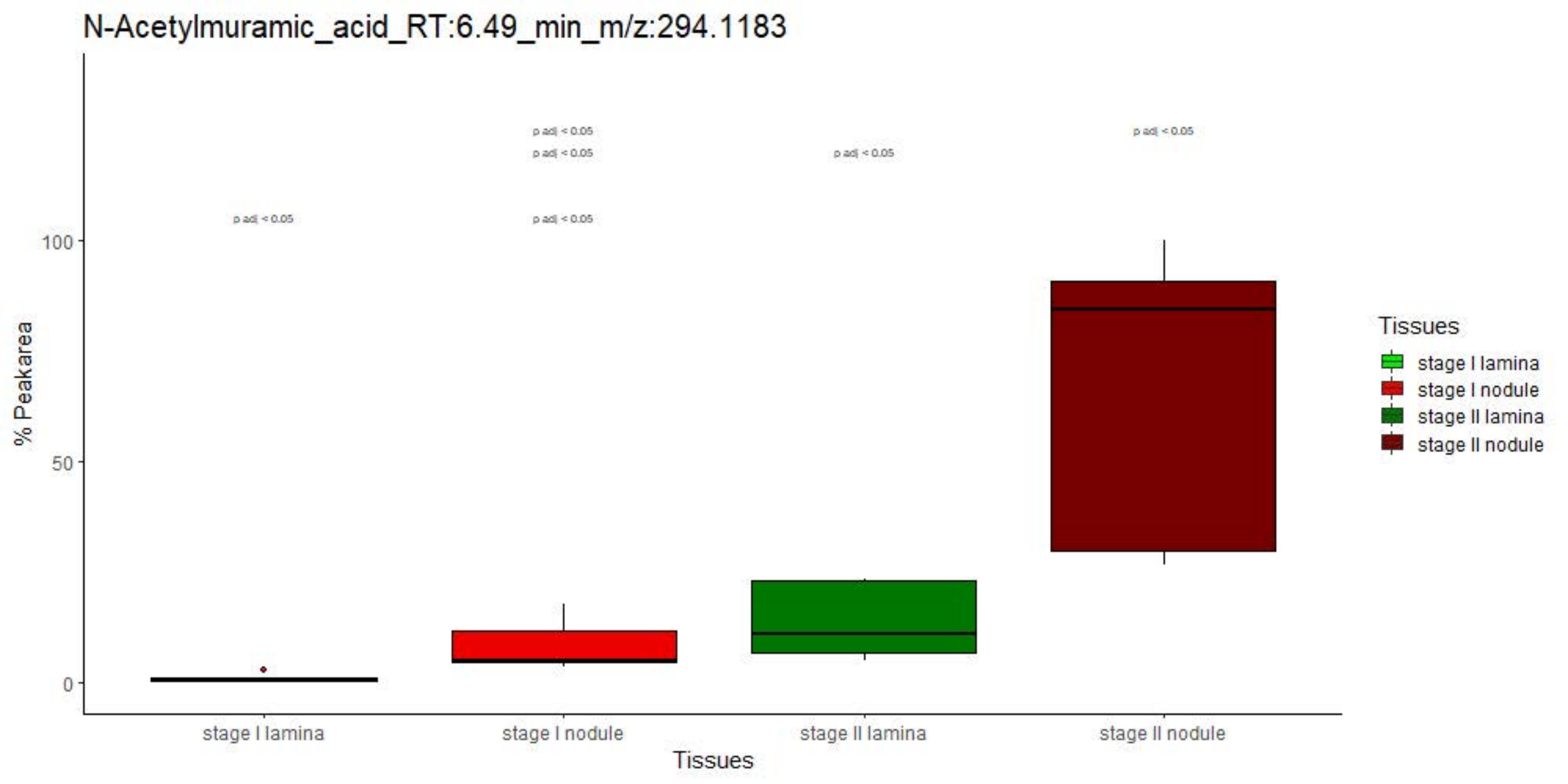
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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% Peakarea
stage I lamina
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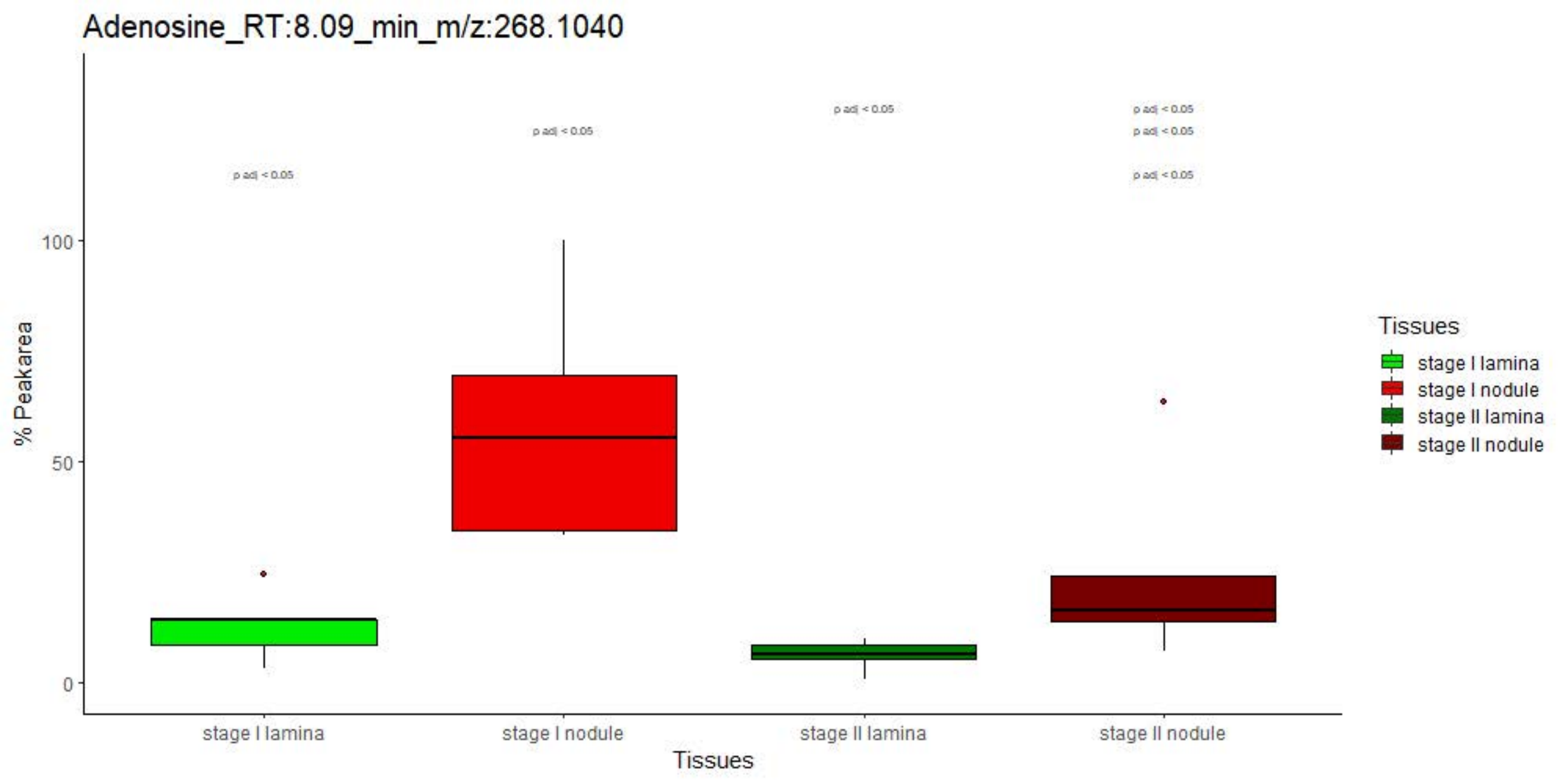
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Adenosine_RT:8.09_min_m/z:268.1040
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p adj < 0.05
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50
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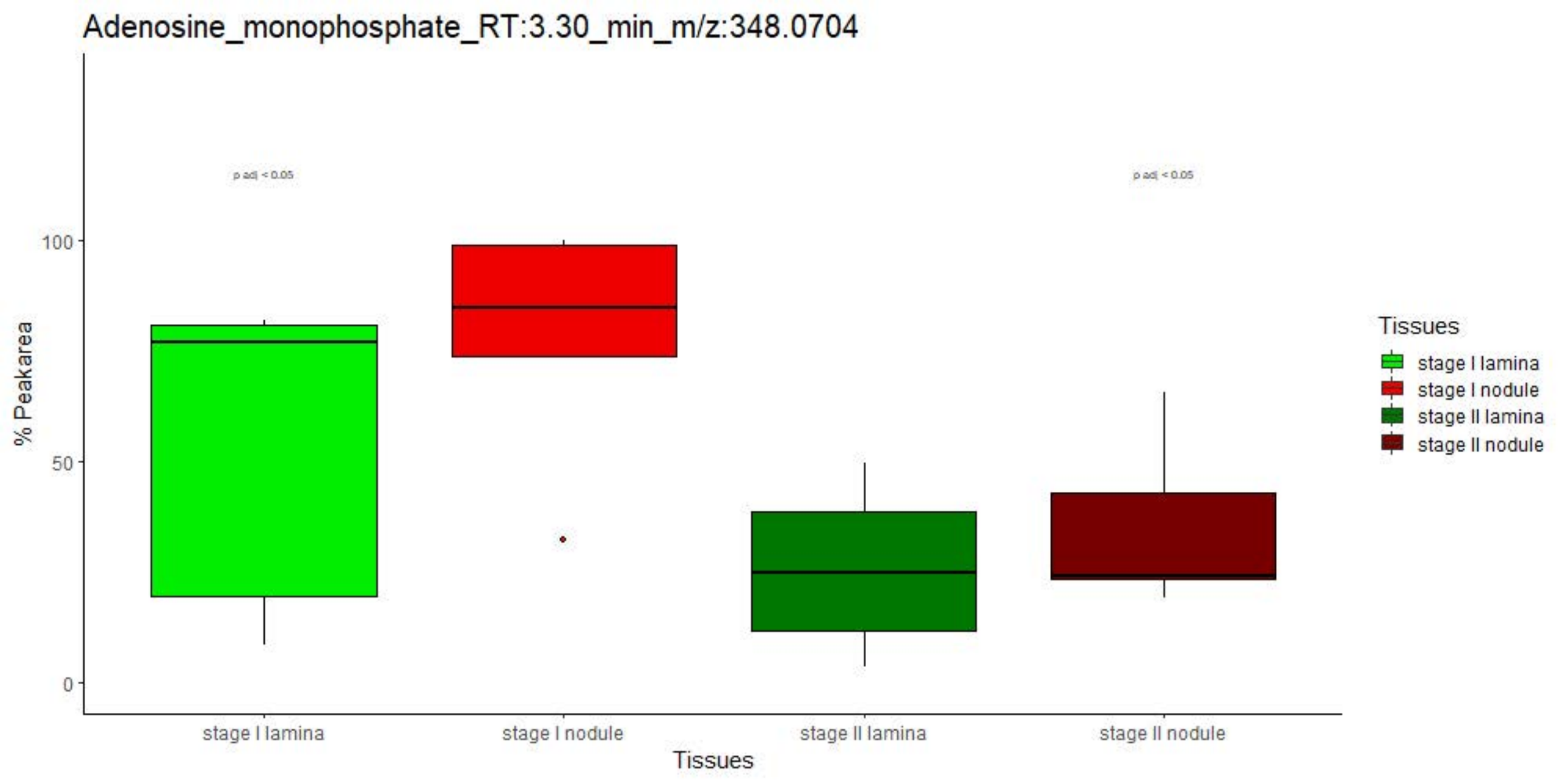
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Adenosine_monophosphate_RT:3.30_min_m/z:348.0704
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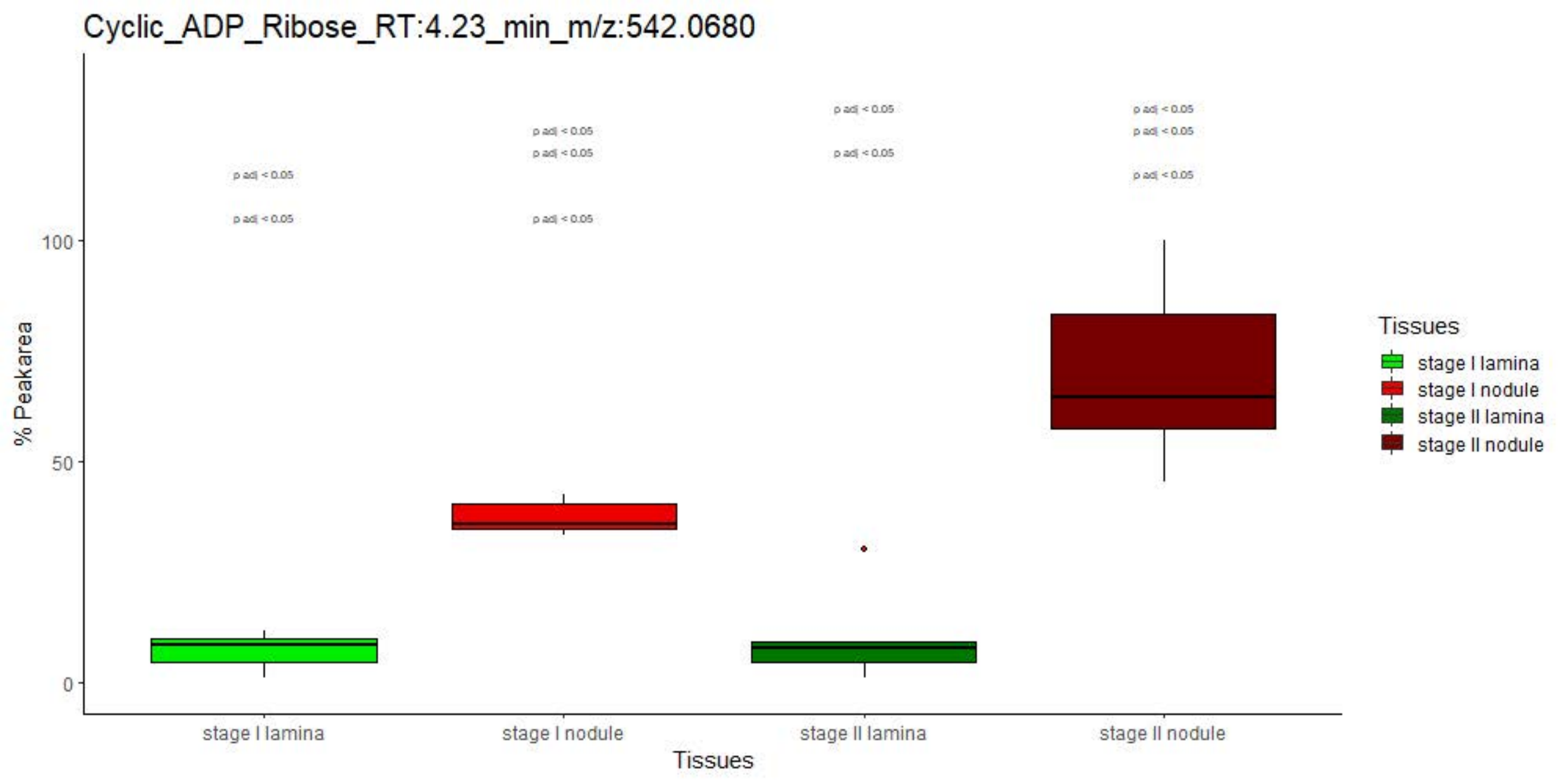
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Cyclic_ADP_Ribose_RT:4.23_min_m/z:542.0680
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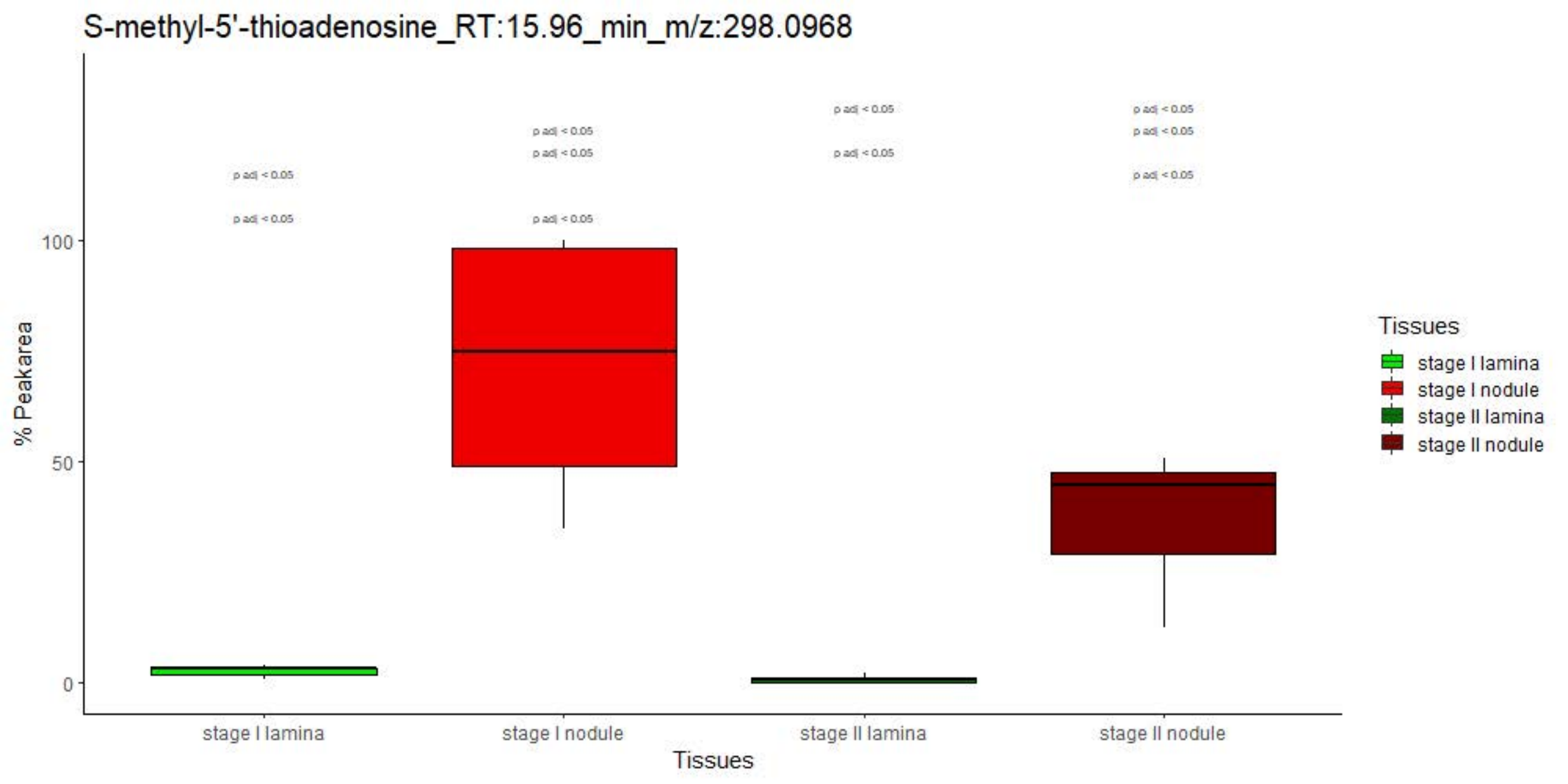
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


S-methyl-5'-thioadenosine_RT:15.96_min_m/z:298.0968
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p adj < 0.05
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p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
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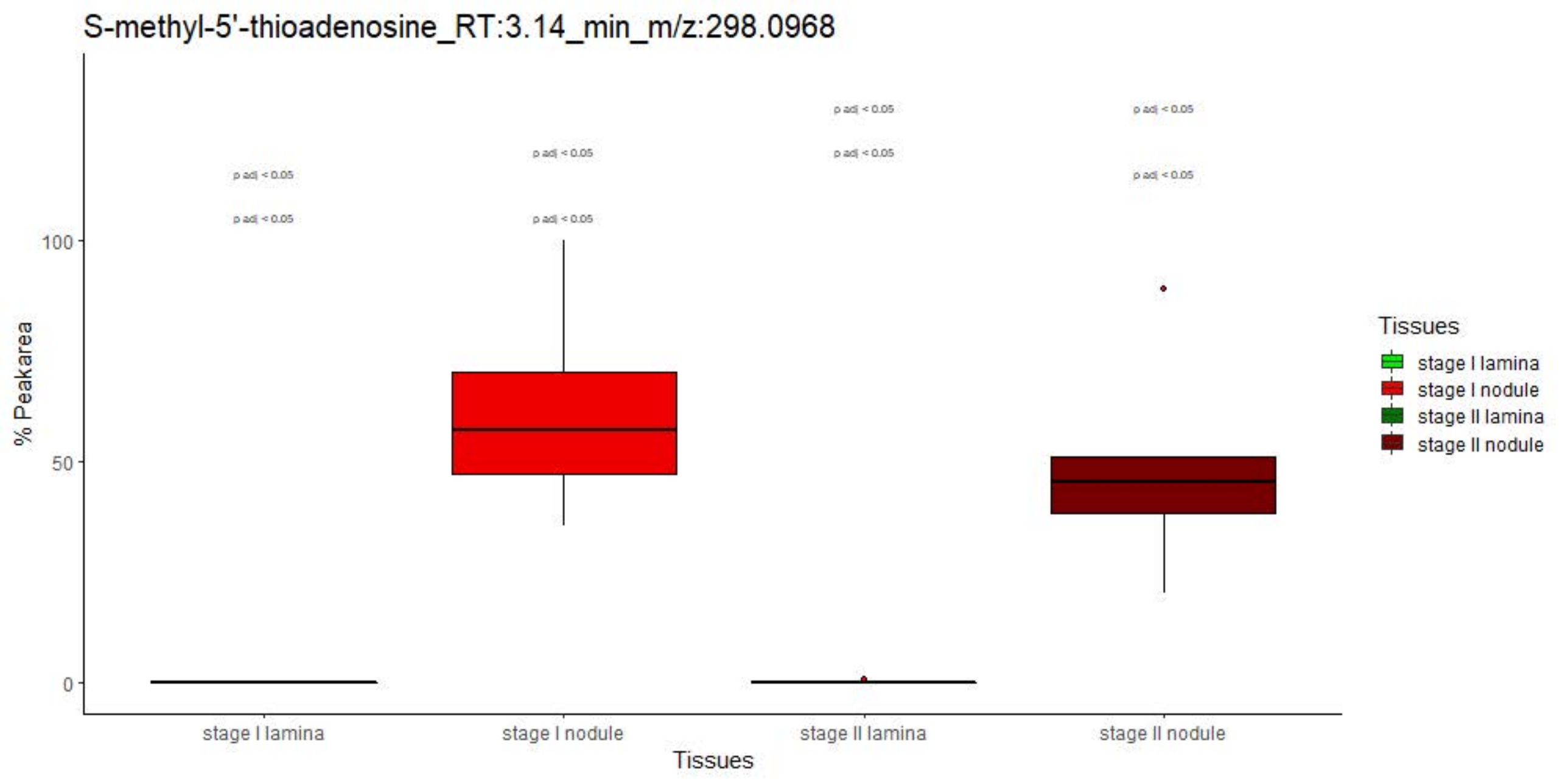
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


S-methyl-5'-thioadenosine_RT:3.14_min_m/z:298.0968
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p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
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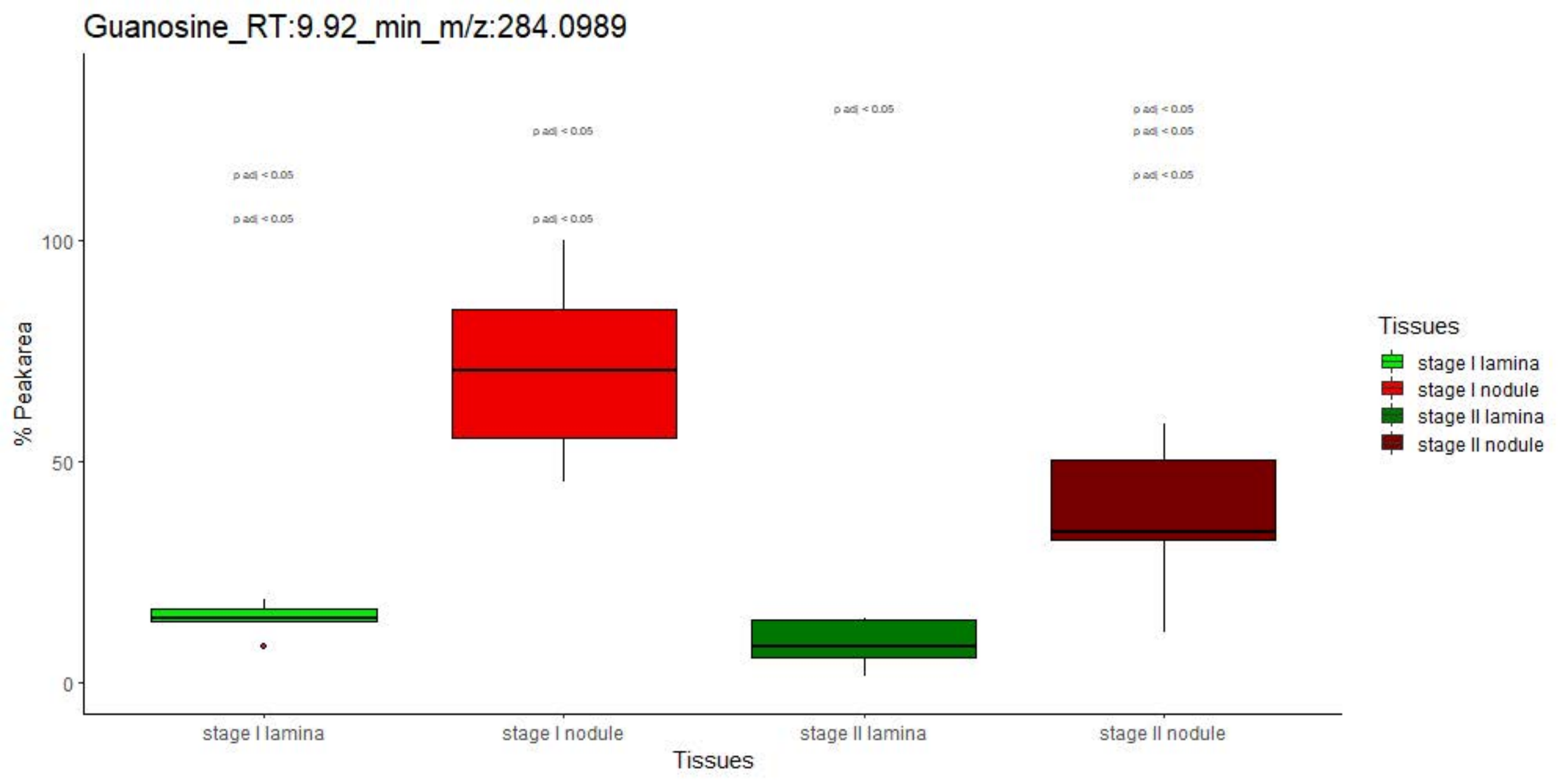
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Guanosine_RT:9.92_min_m/z:284.0989
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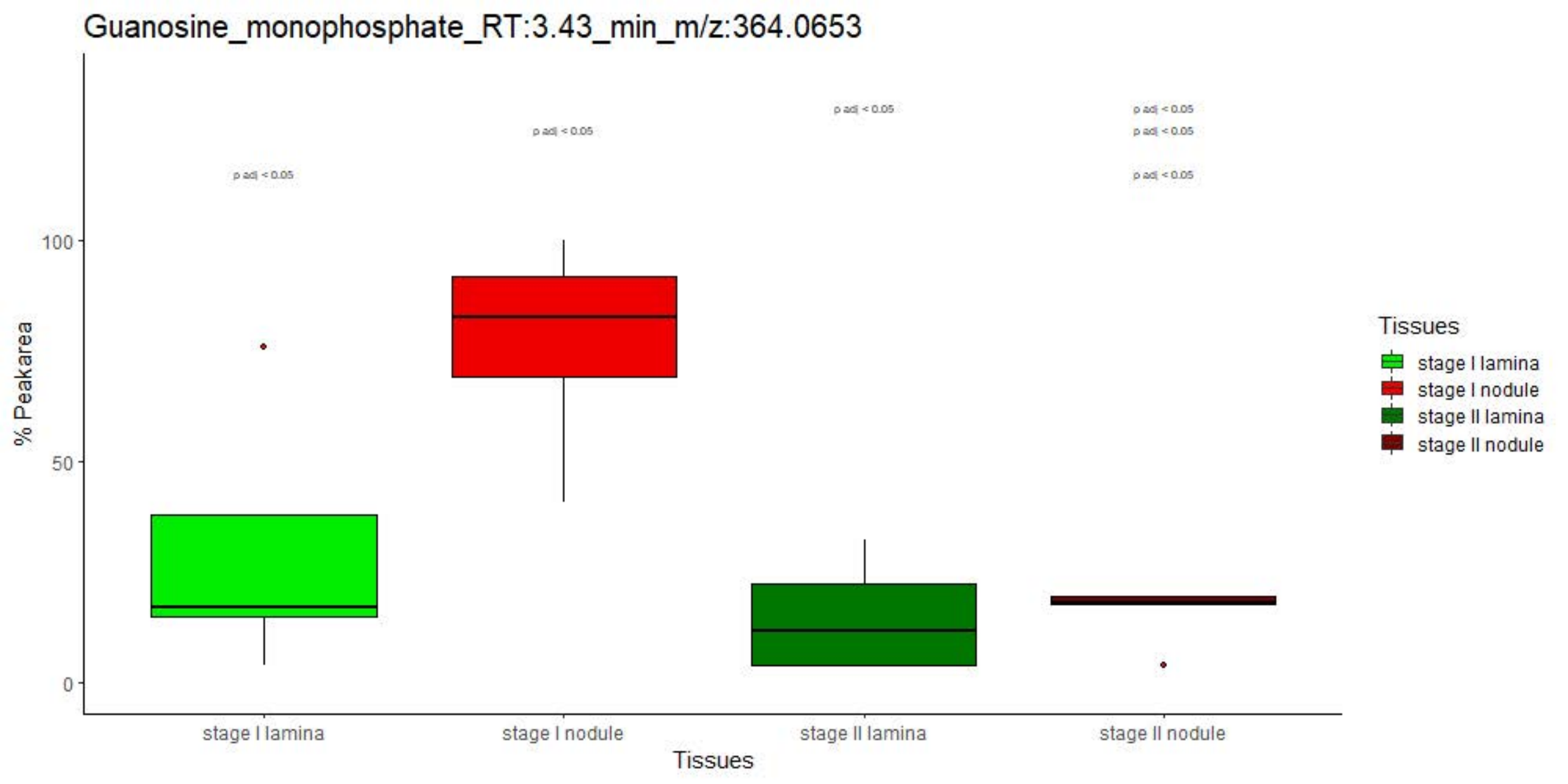
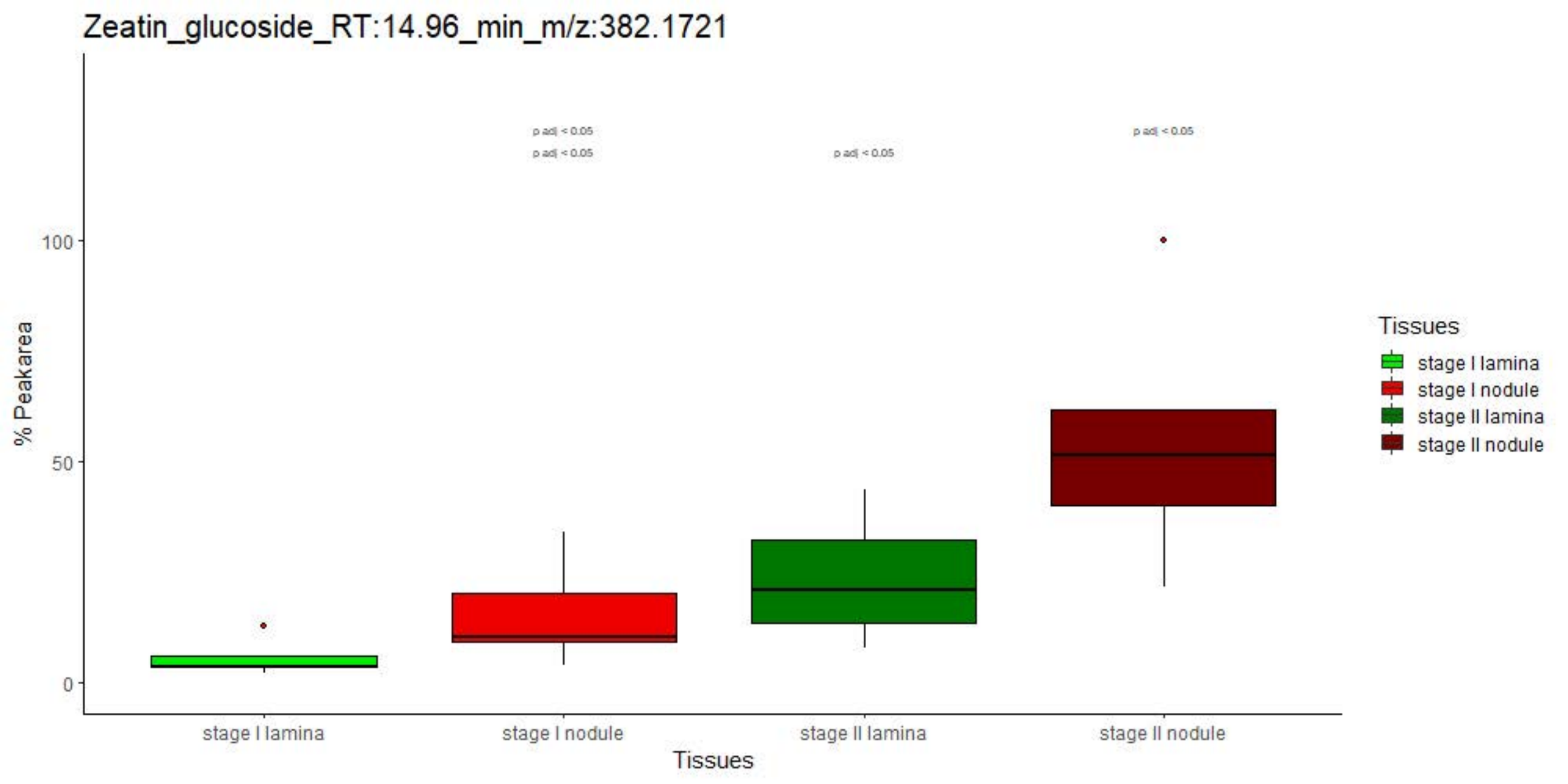
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Guanosine_monophosphate_RT:3.43_min_m/z:364.0653
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Zeatin_glucoside_RT:14.96_min_m/z:382.1721
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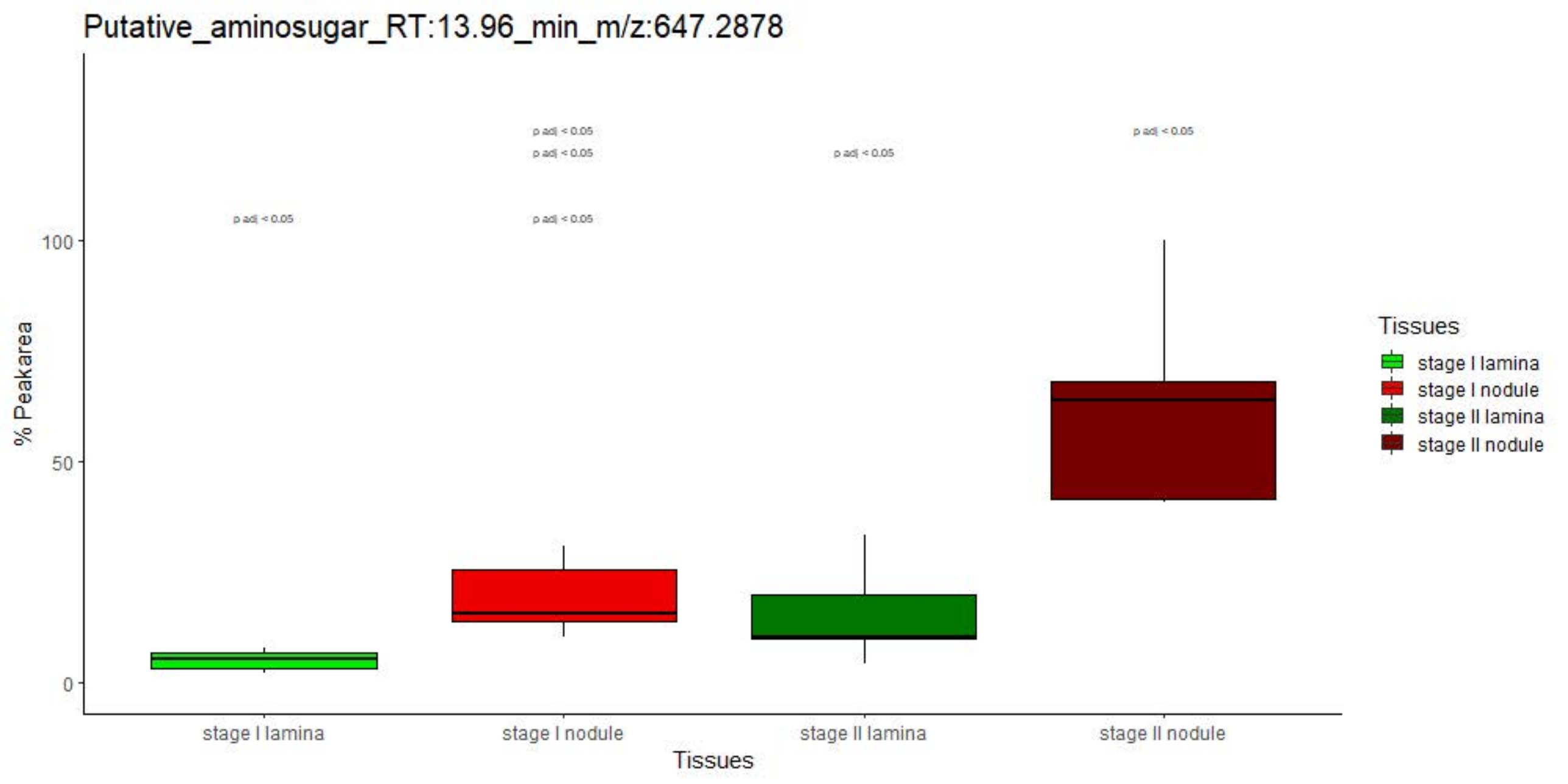
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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p adj < 0.05
p adj < 0.05
100
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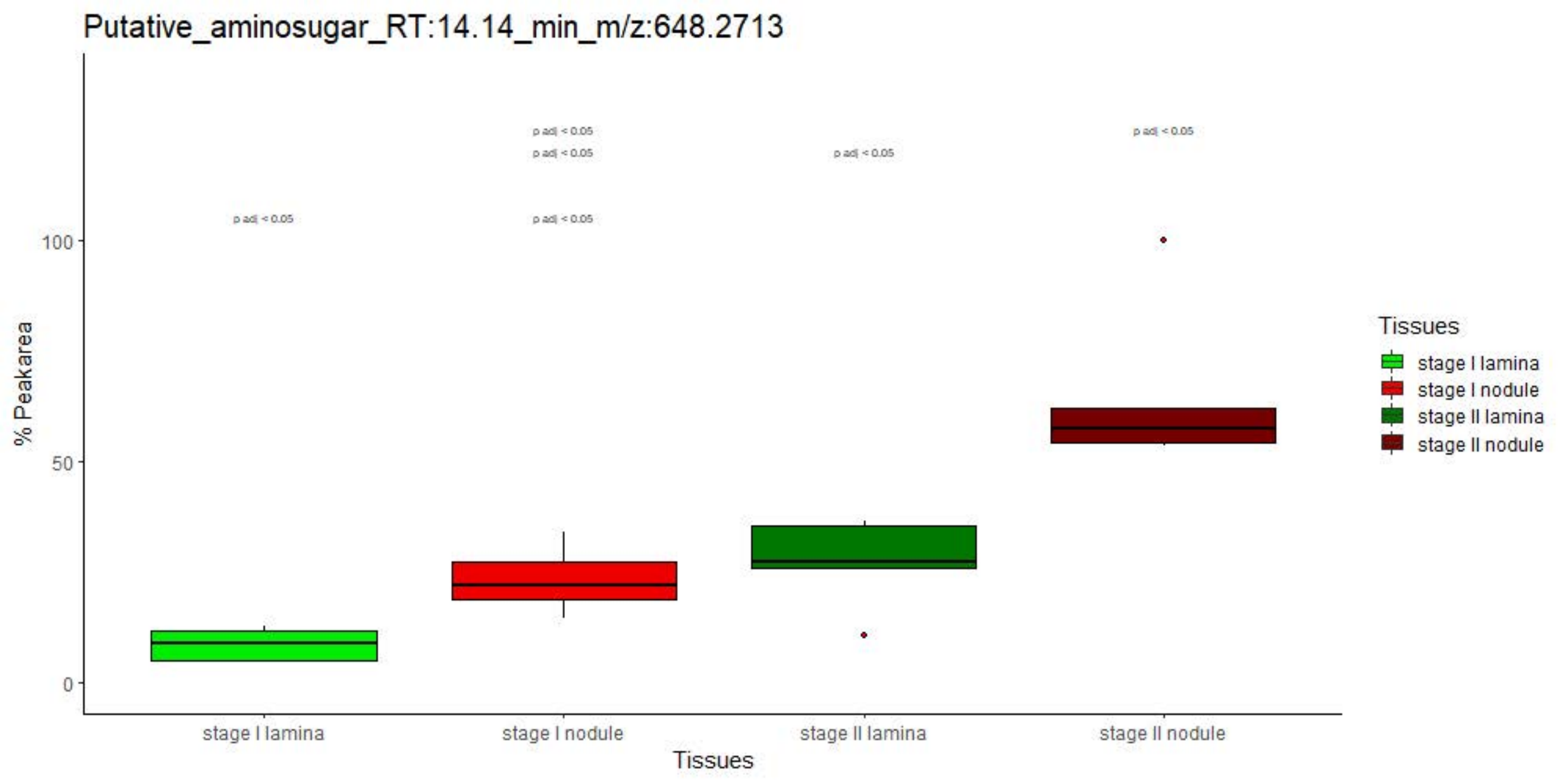
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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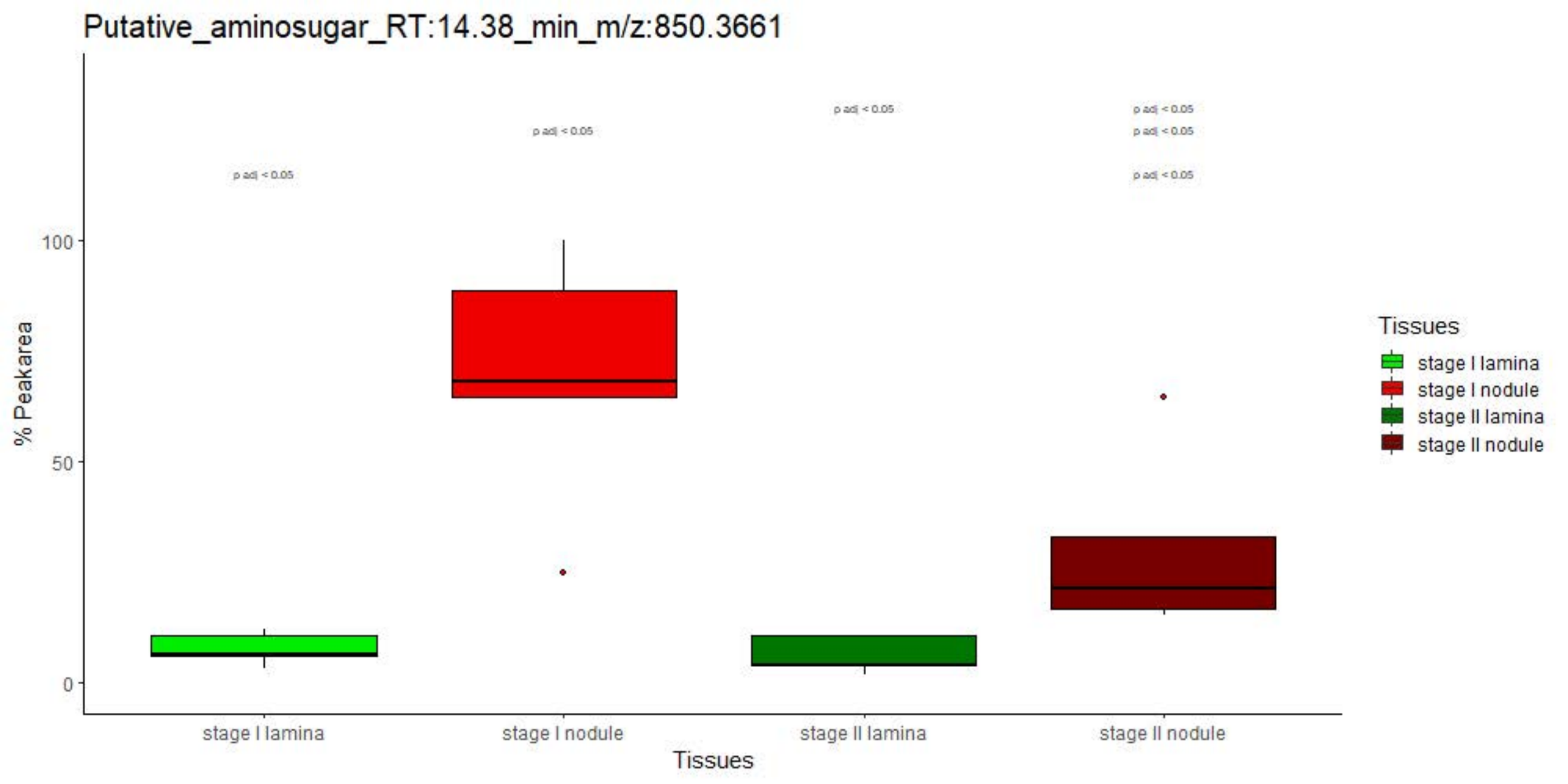
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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p adj < 0.05
100
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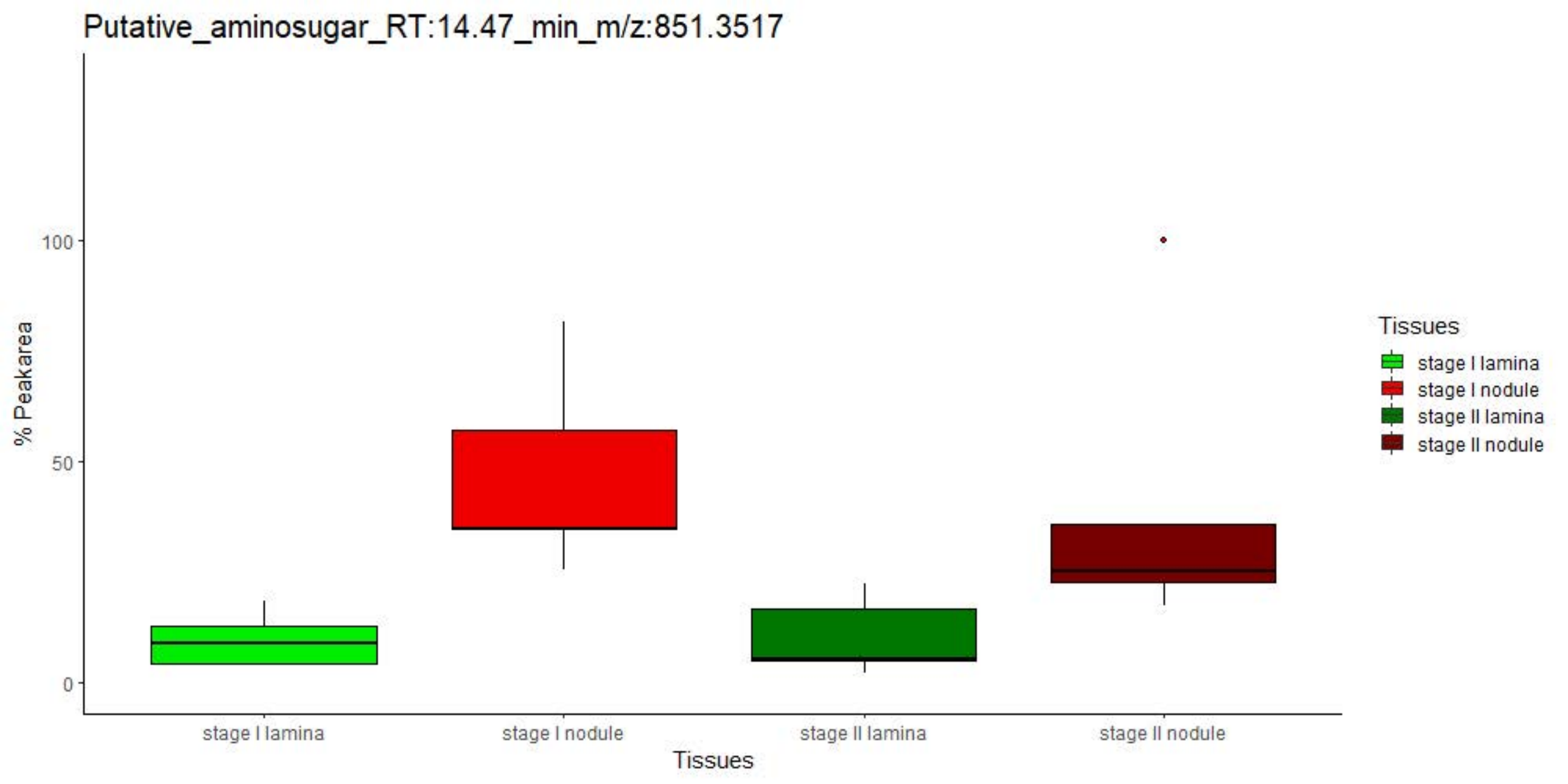
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Putative_aminosugar_RT:14.47_min_m/z:851.3517
% Peakarea
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stage I lamina
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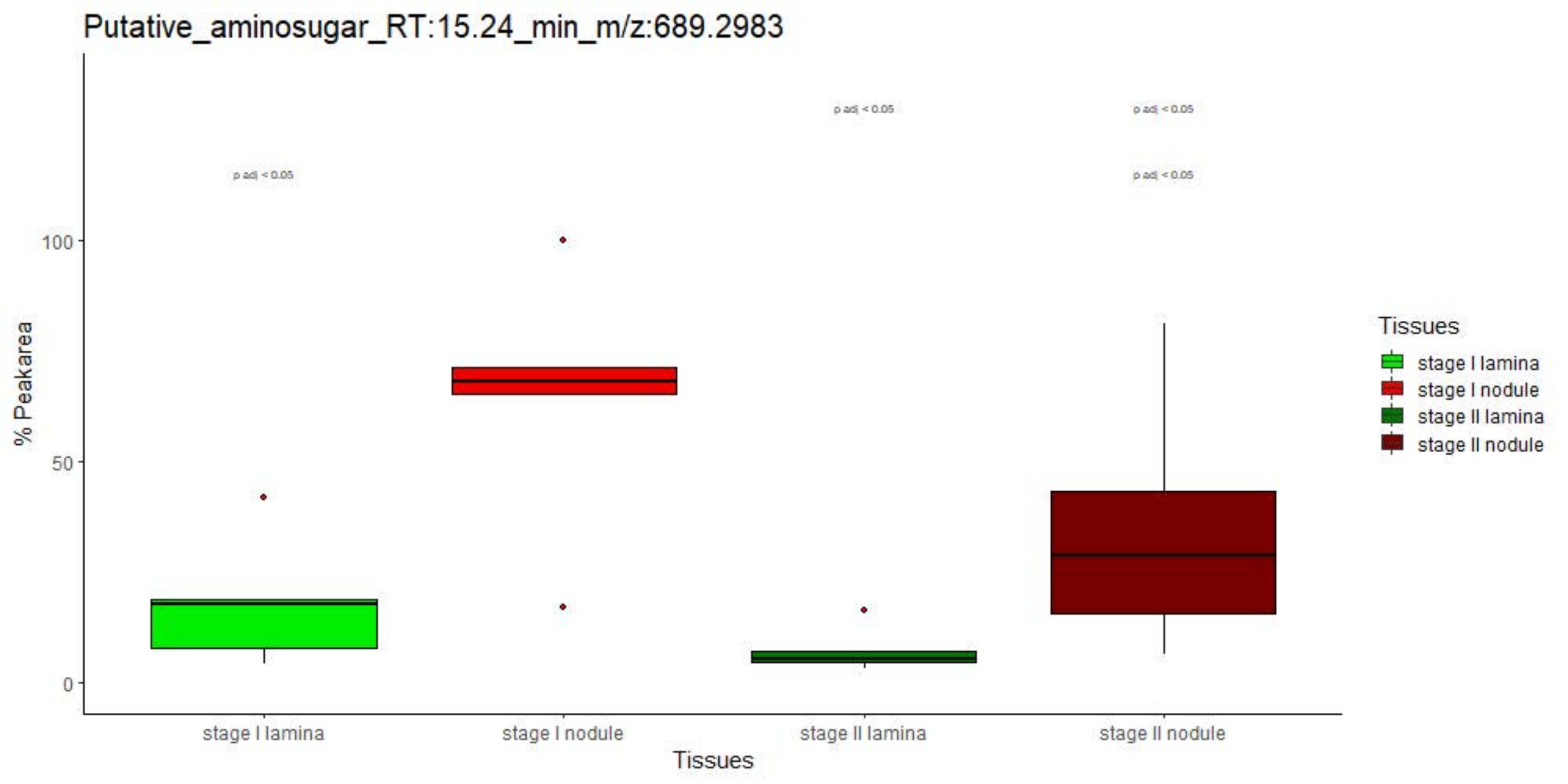
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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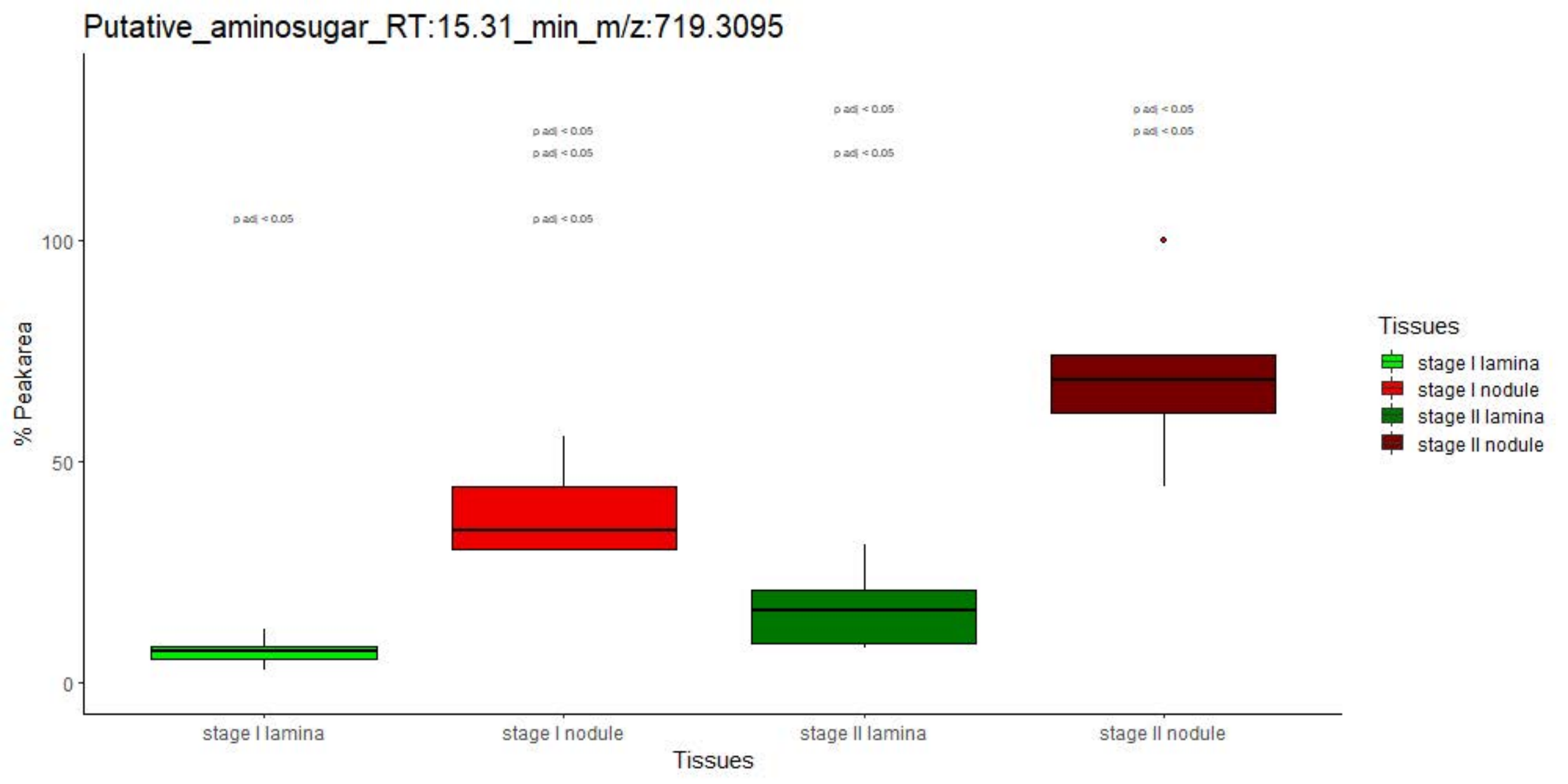
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
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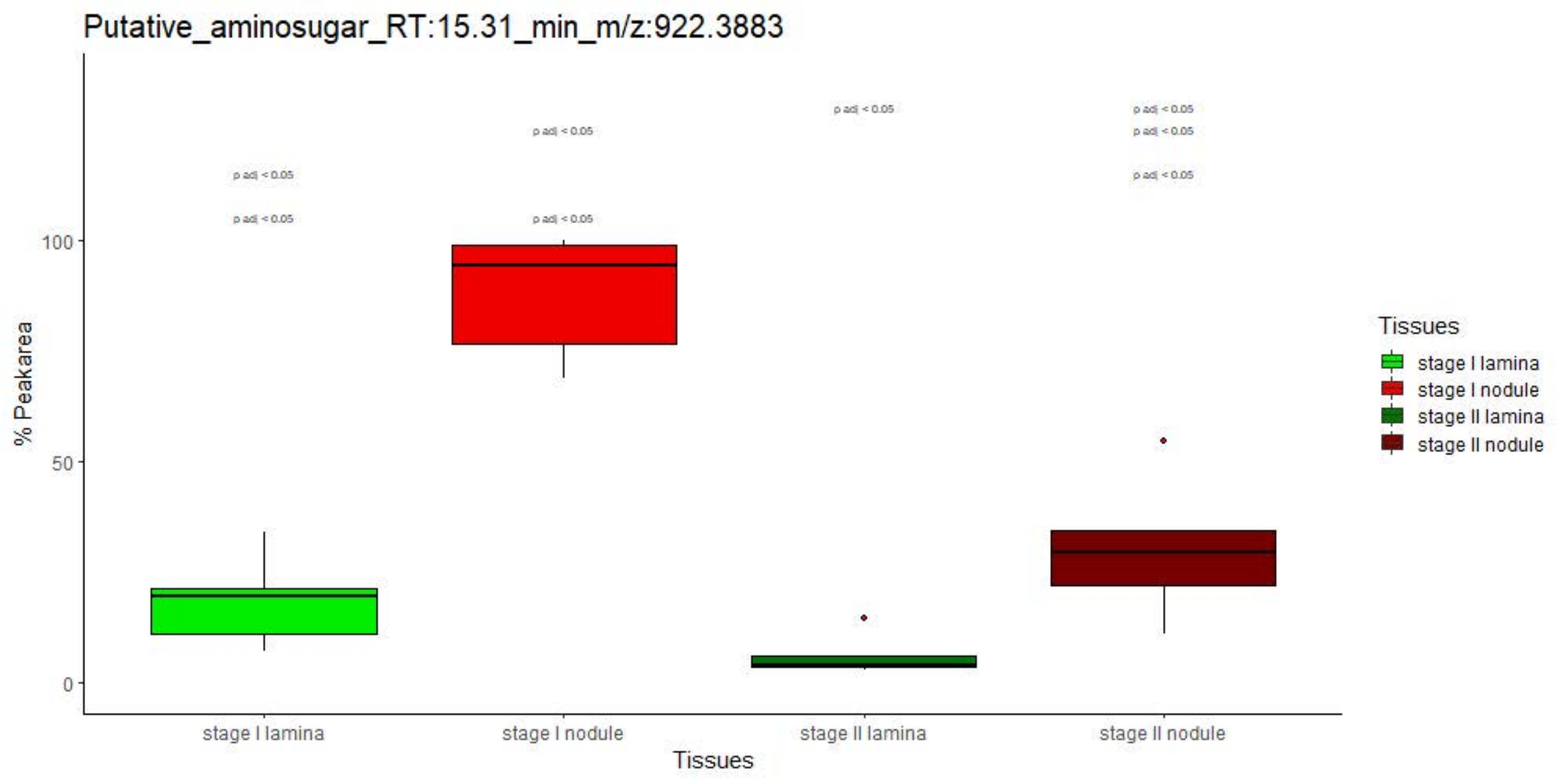
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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p adj < 0.05
100
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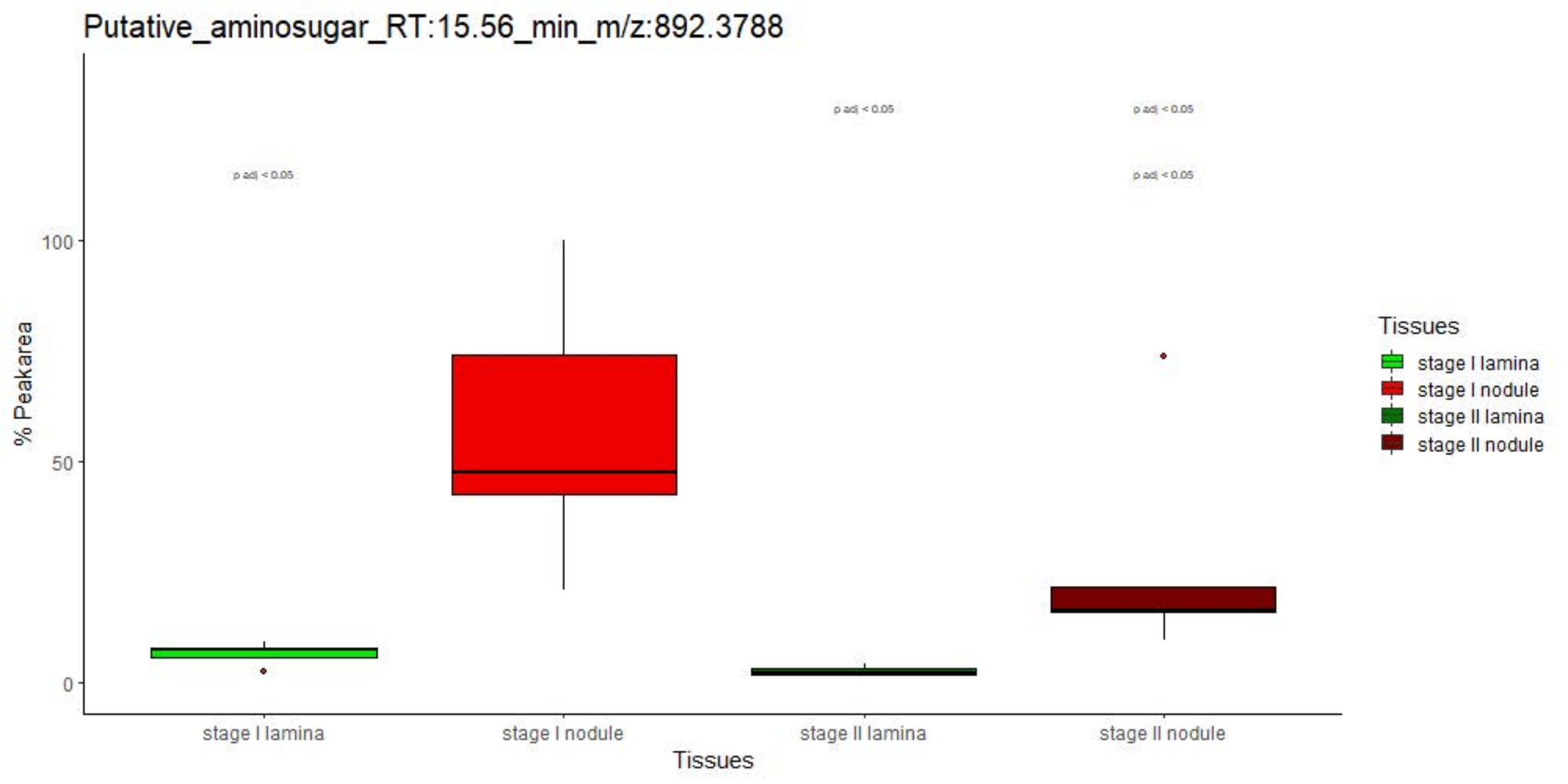
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Putative_aminosugar_RT:15.56_min_m/z:892.3788
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p adj < 0.05
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stage I lamina
stage I nodule
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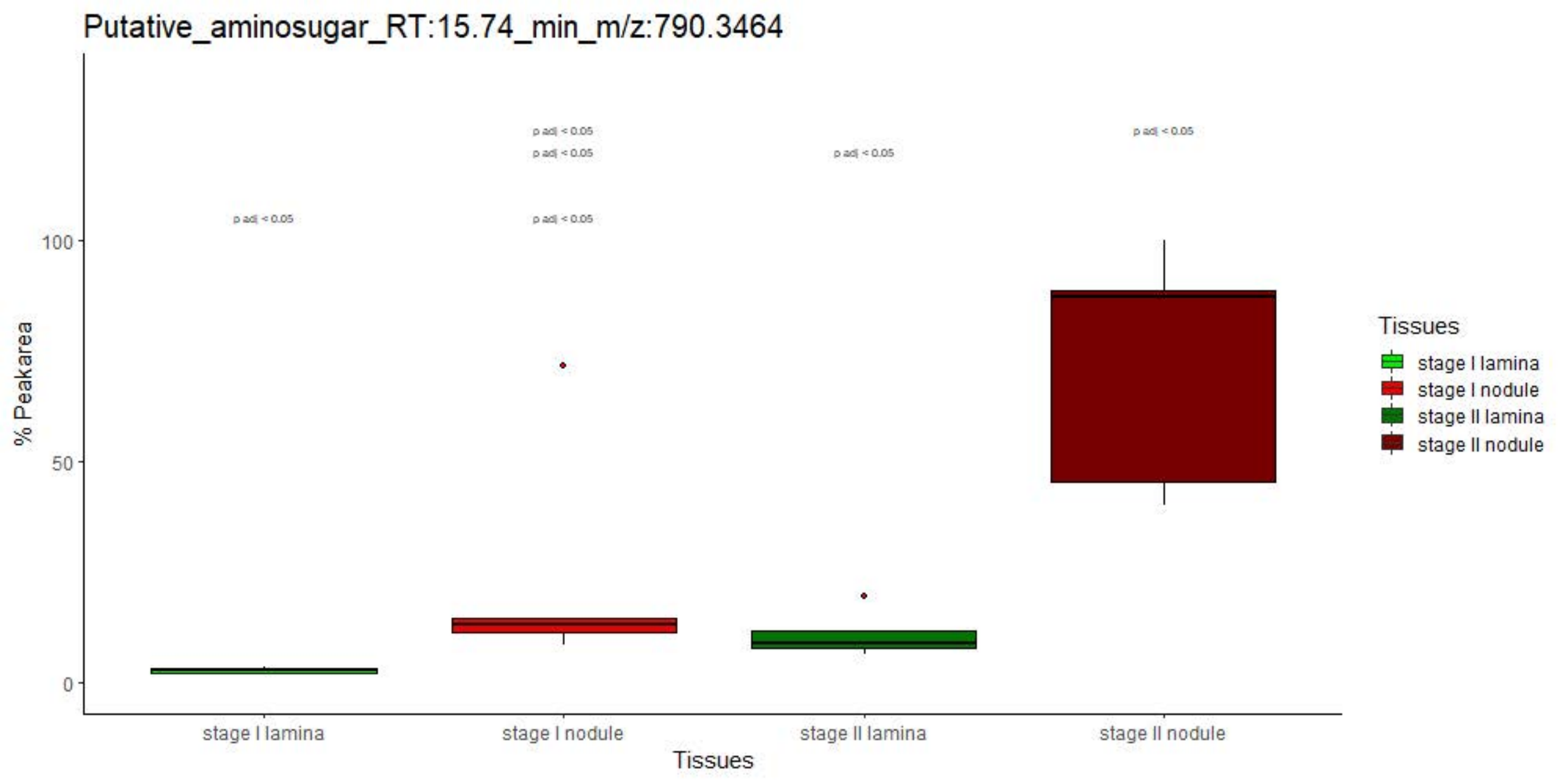
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Putative_aminosugar_RT:15.74_min_m/z:790.3464
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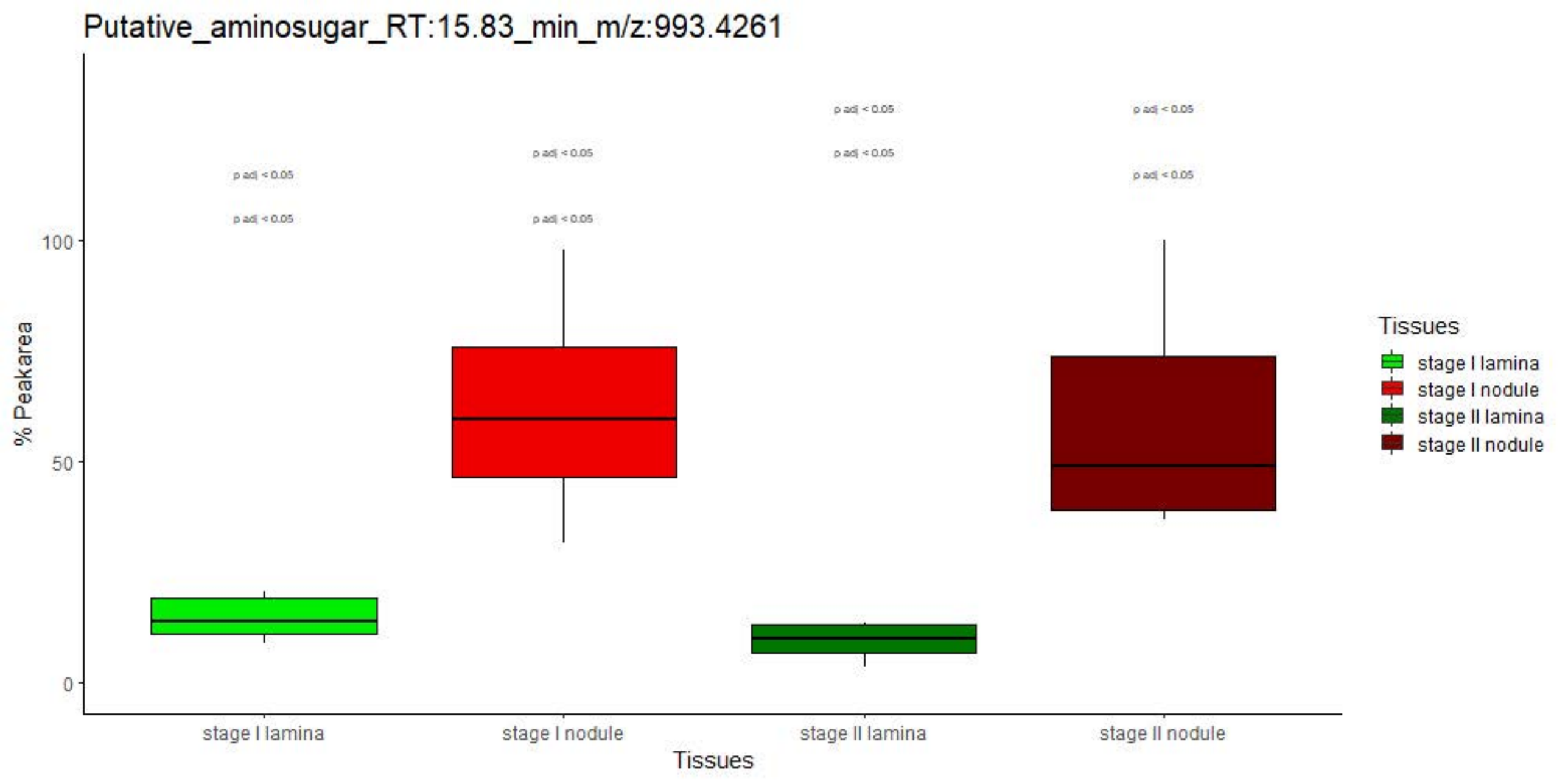
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Putative_aminosugar_RT:15.83_min_m/z:993.4261
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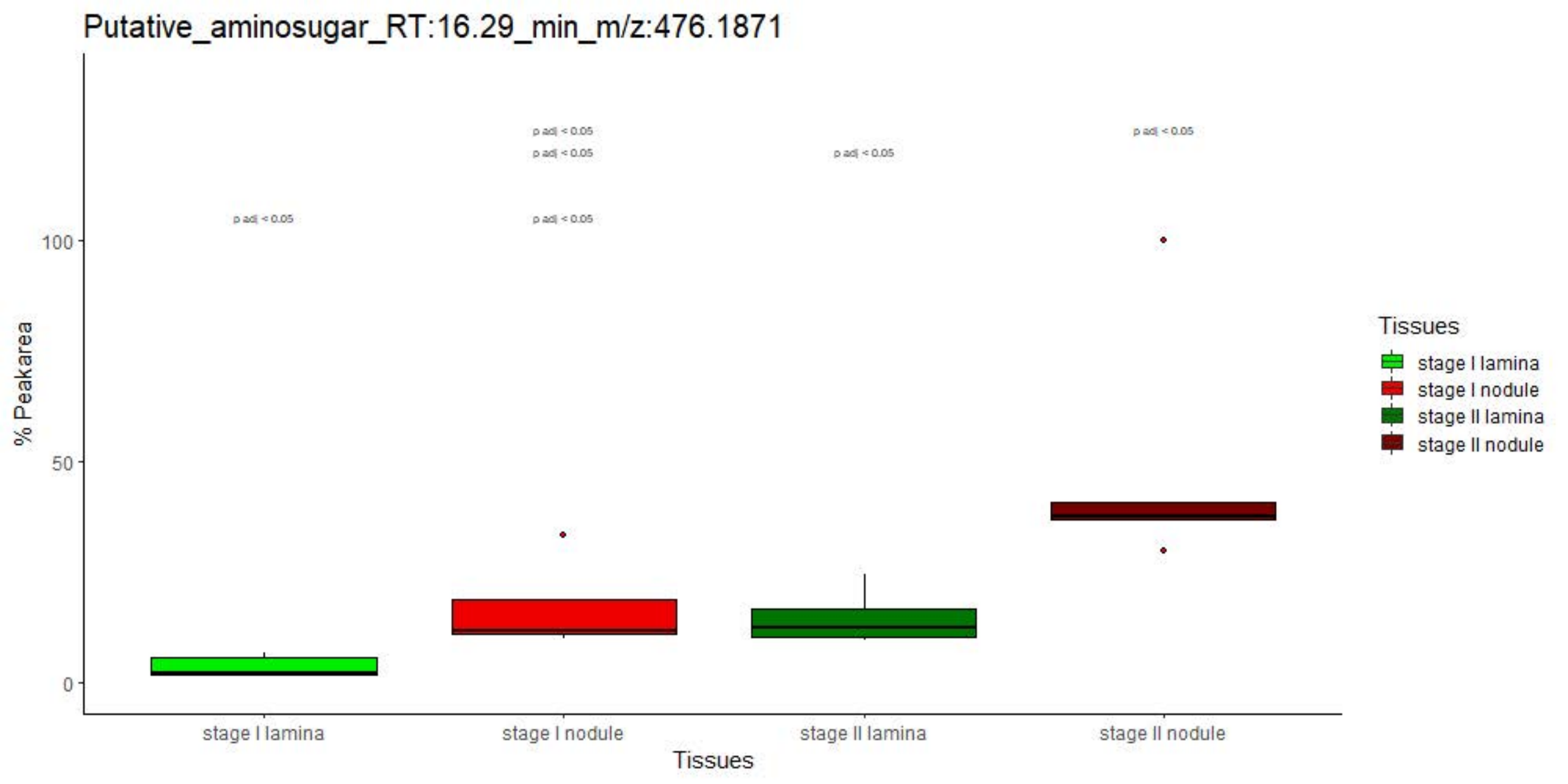
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Putative_aminosugar_RT:16.29_min_m/z:476.1871
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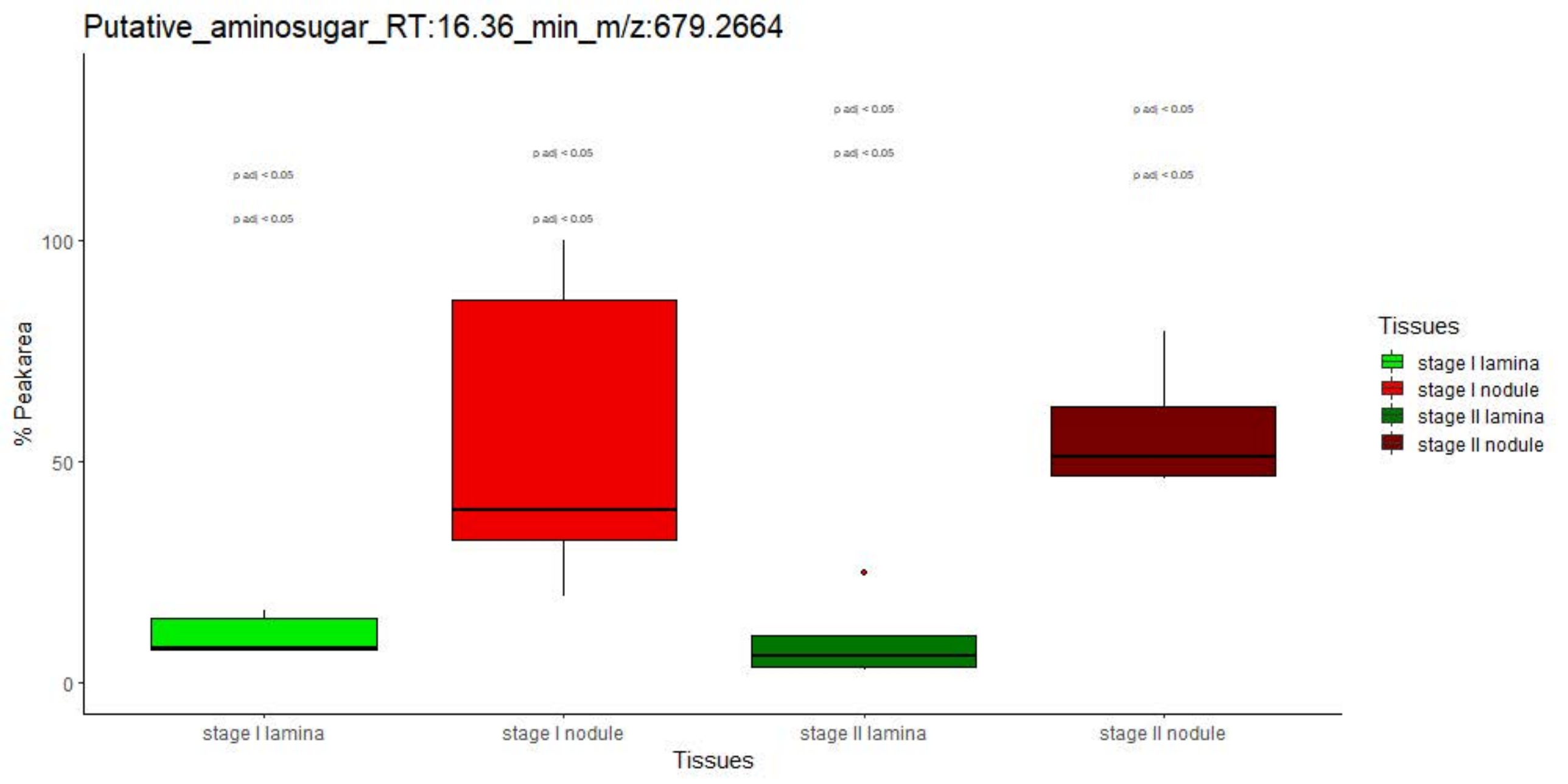
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Putative_aminosugar_RT:16.36_min_m/z:679.2664
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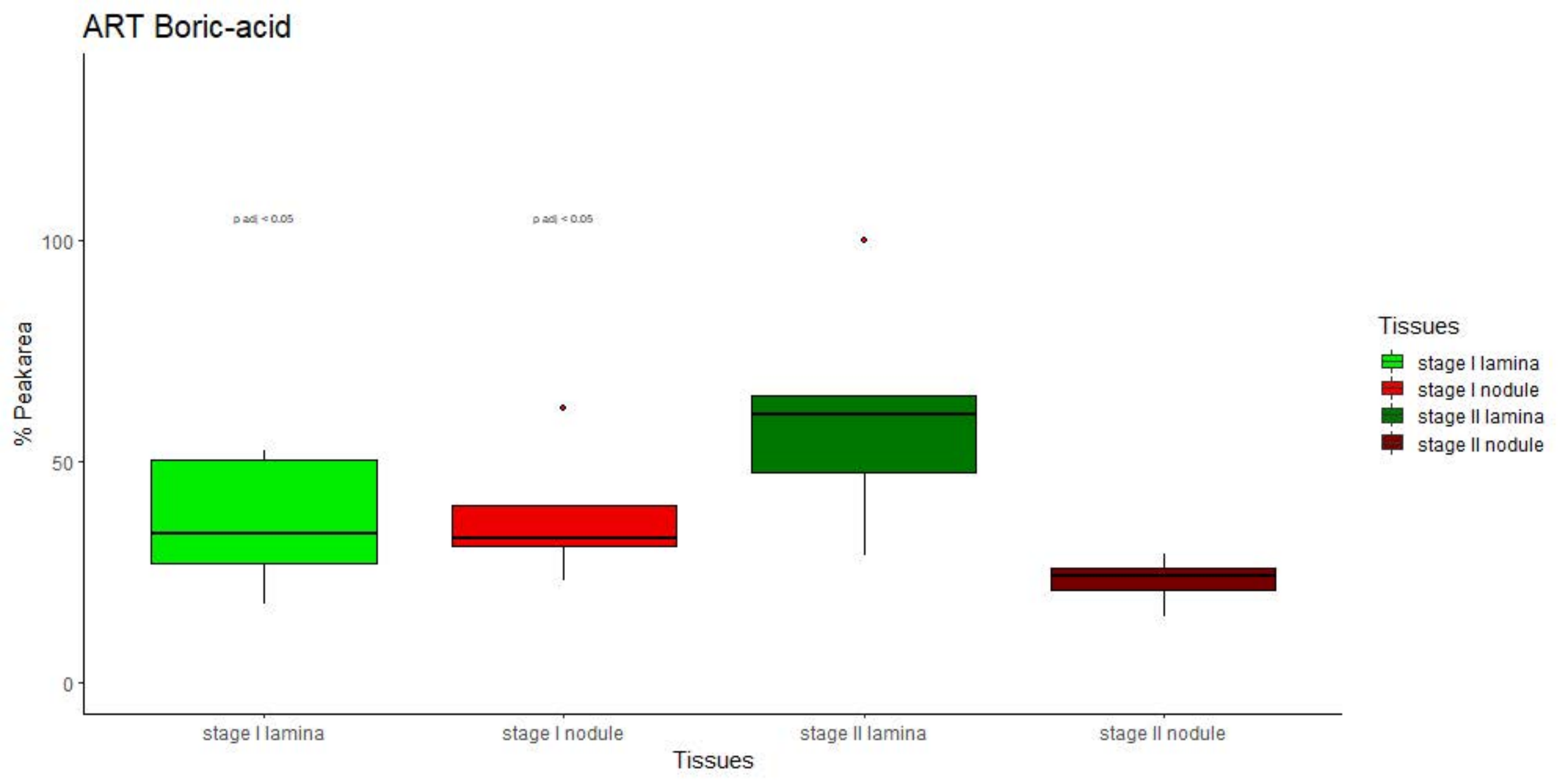
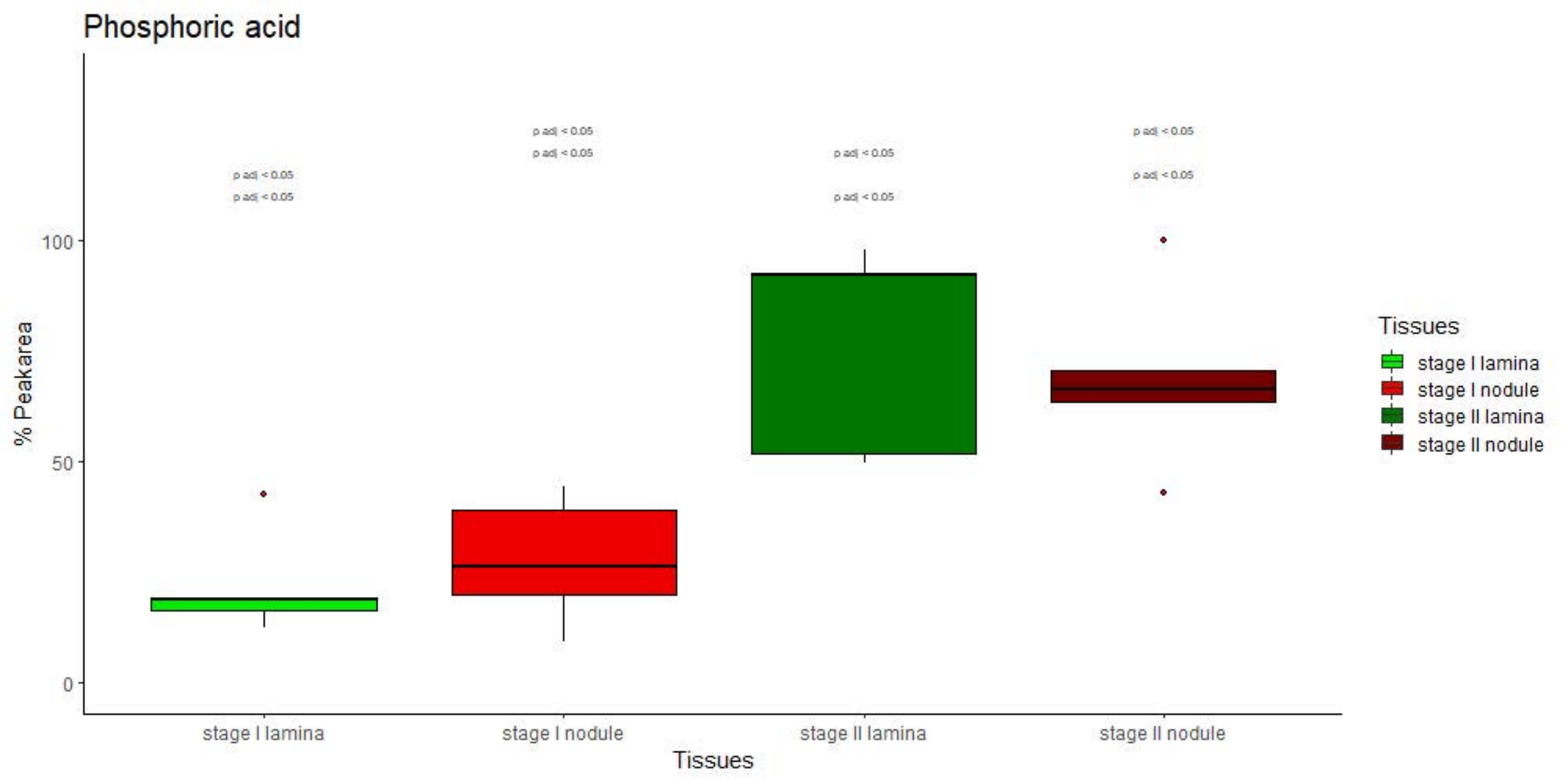
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


ART Boric-acid
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Phosphoric acid
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
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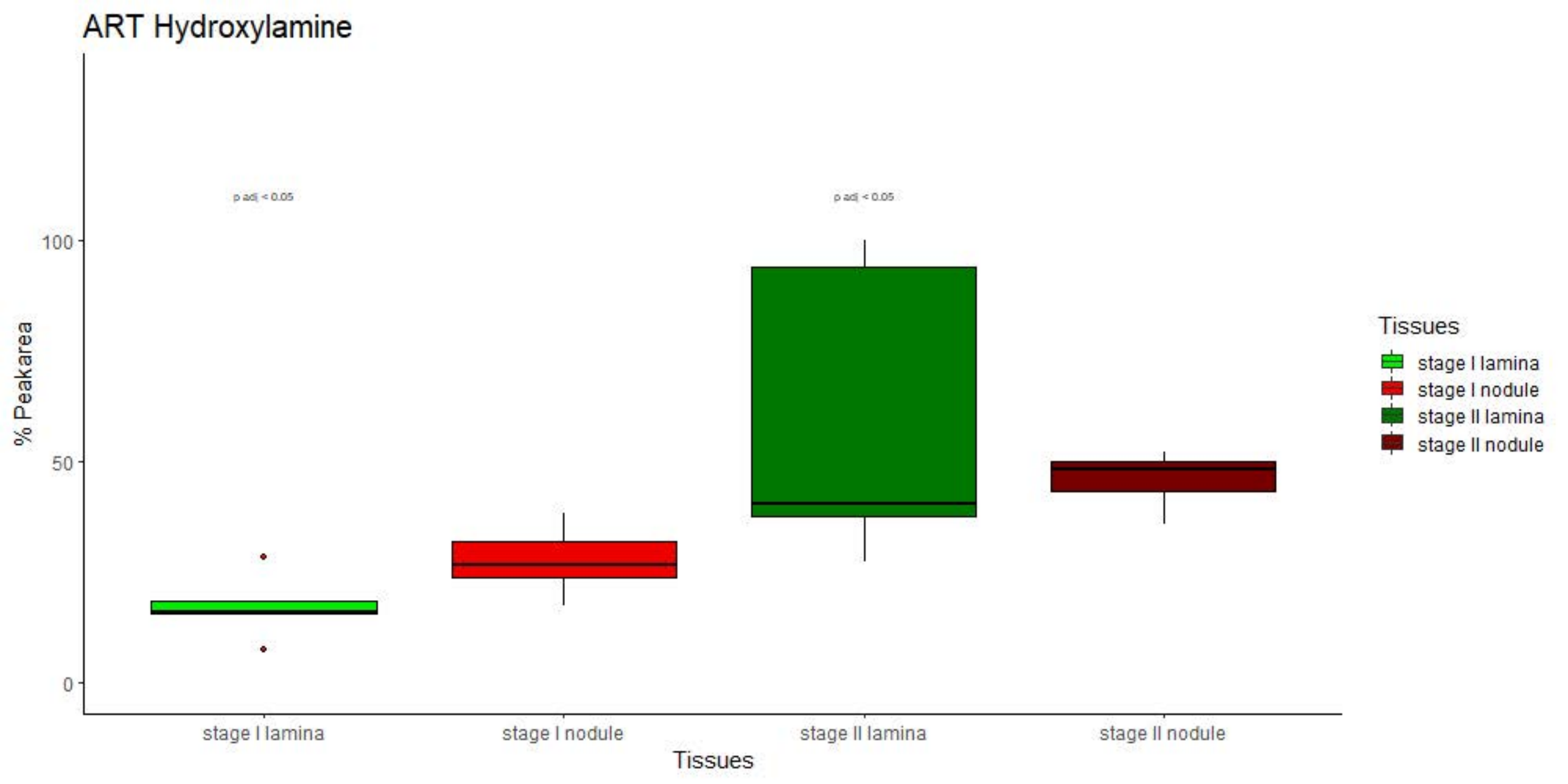
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


ART Hydroxylamine
p adj < 0.05
p adj < 0.05
100
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% Peakarea
stage I lamina
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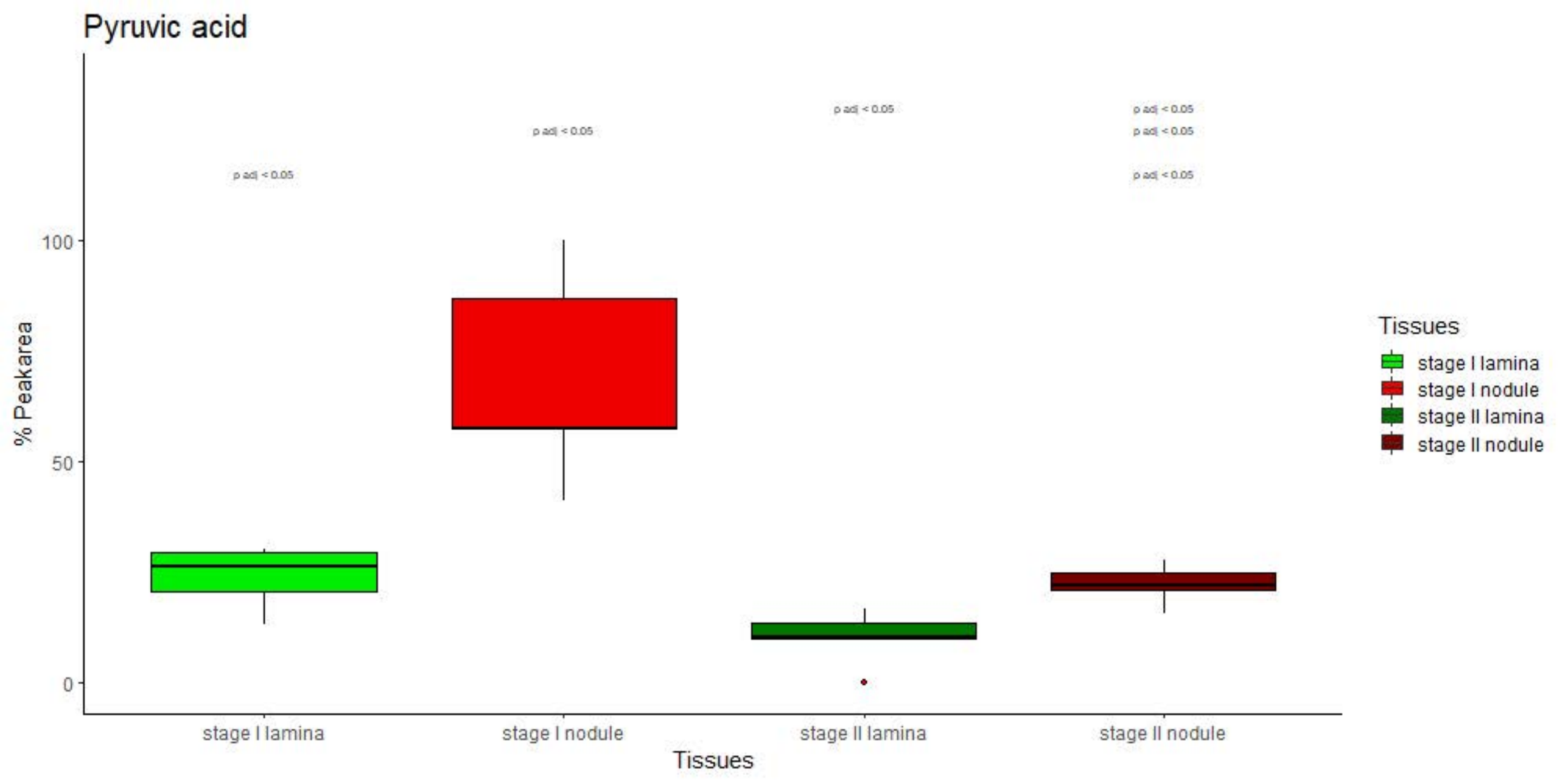
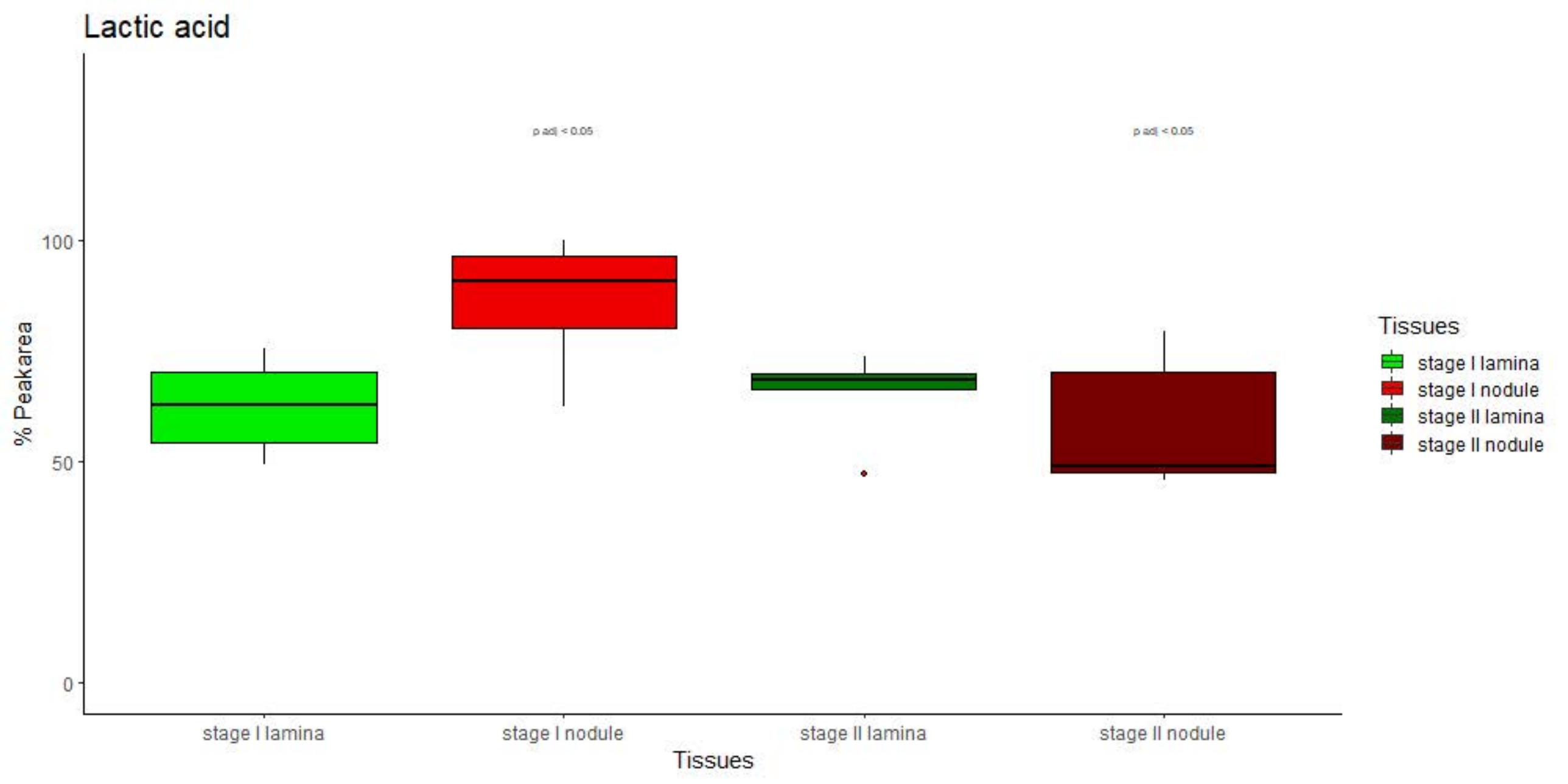
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Pyruvic acid
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Lactic acid
p adj < 0.05
p adj < 0.05
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stage I lamina
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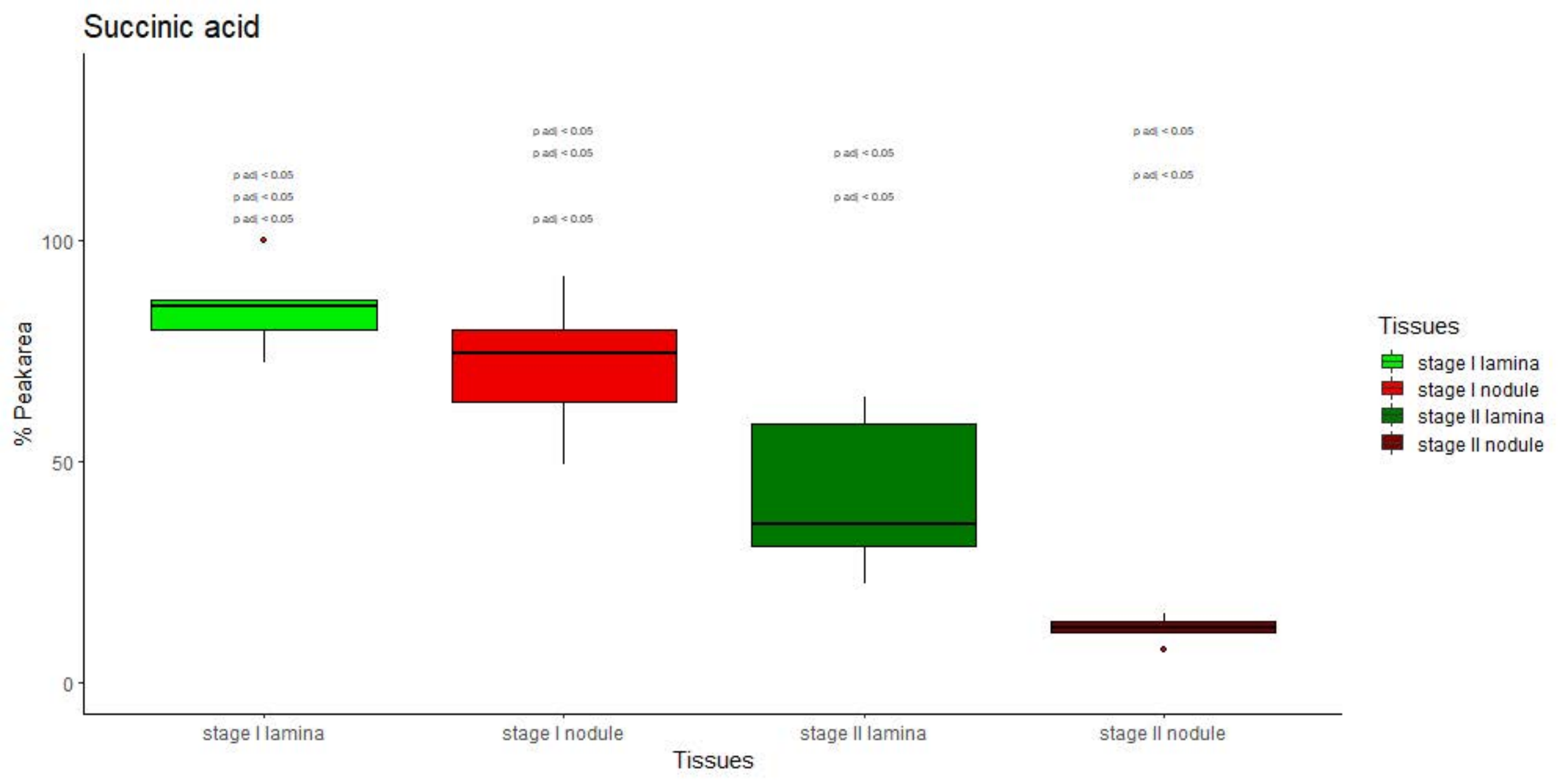
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Succinic acid
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
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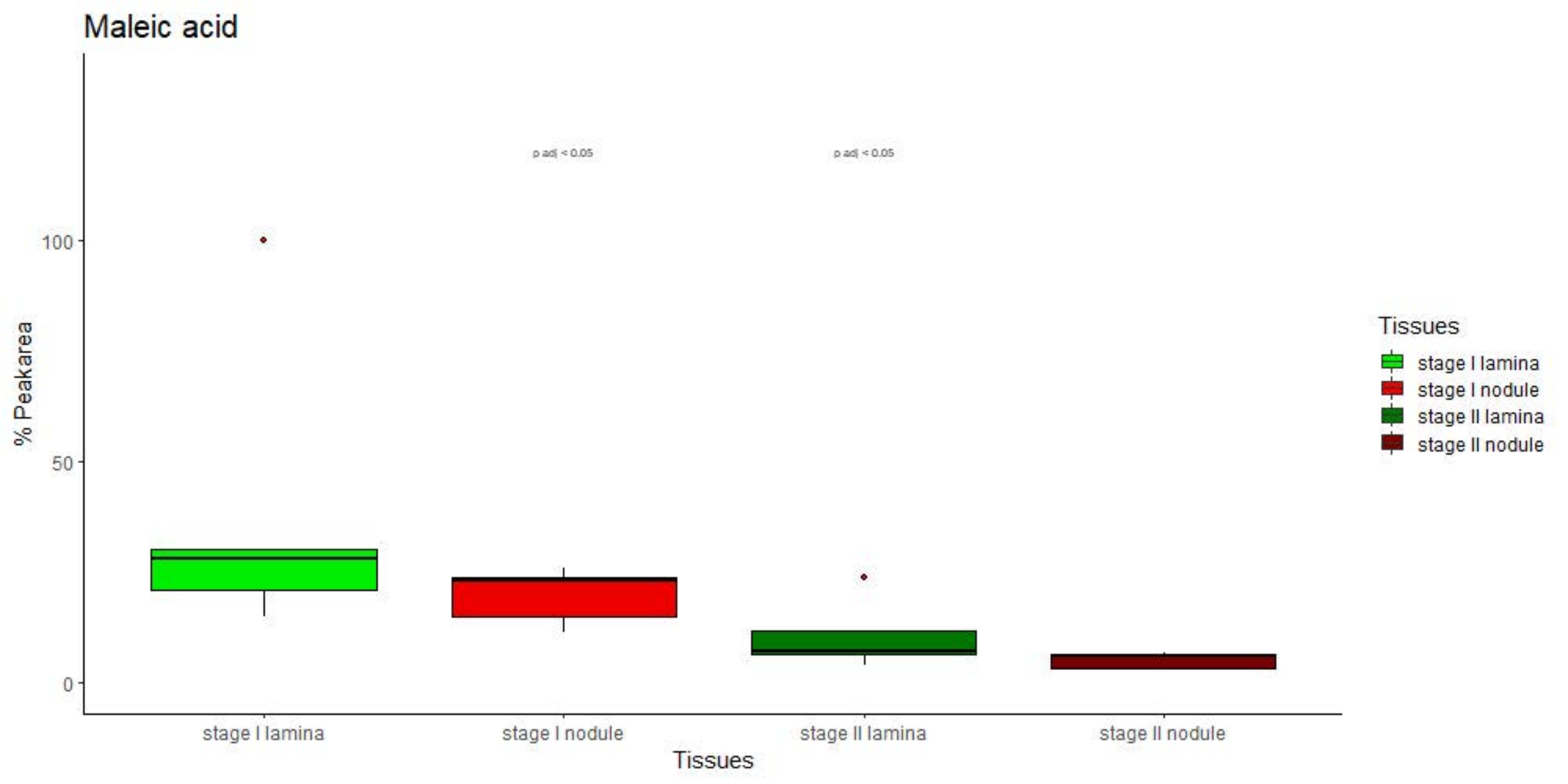
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Maleic acid
p adj < 0.05
p adj < 0.05
100
50
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stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
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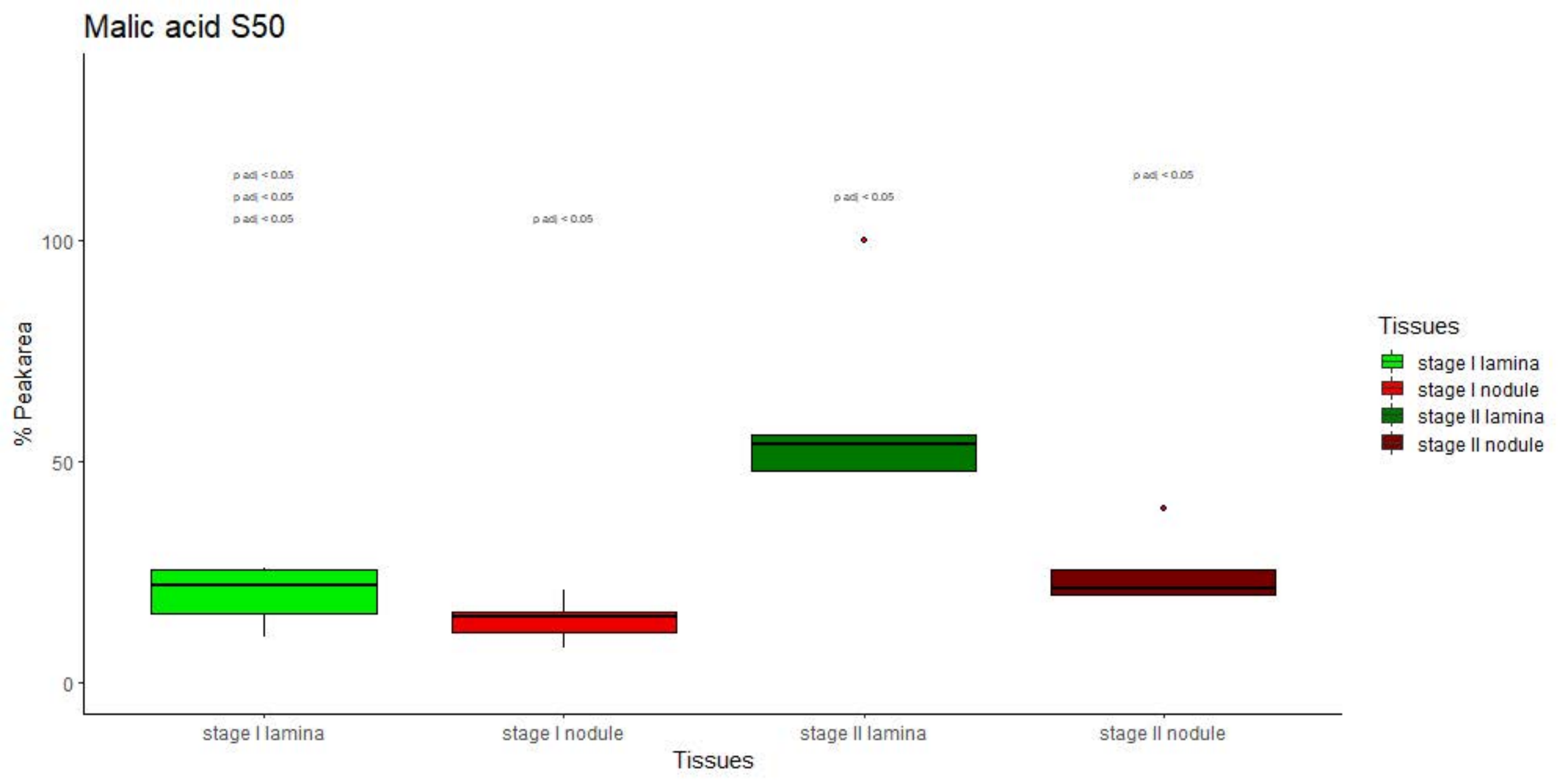
stage II nodule


Malic acid S50
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p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
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stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
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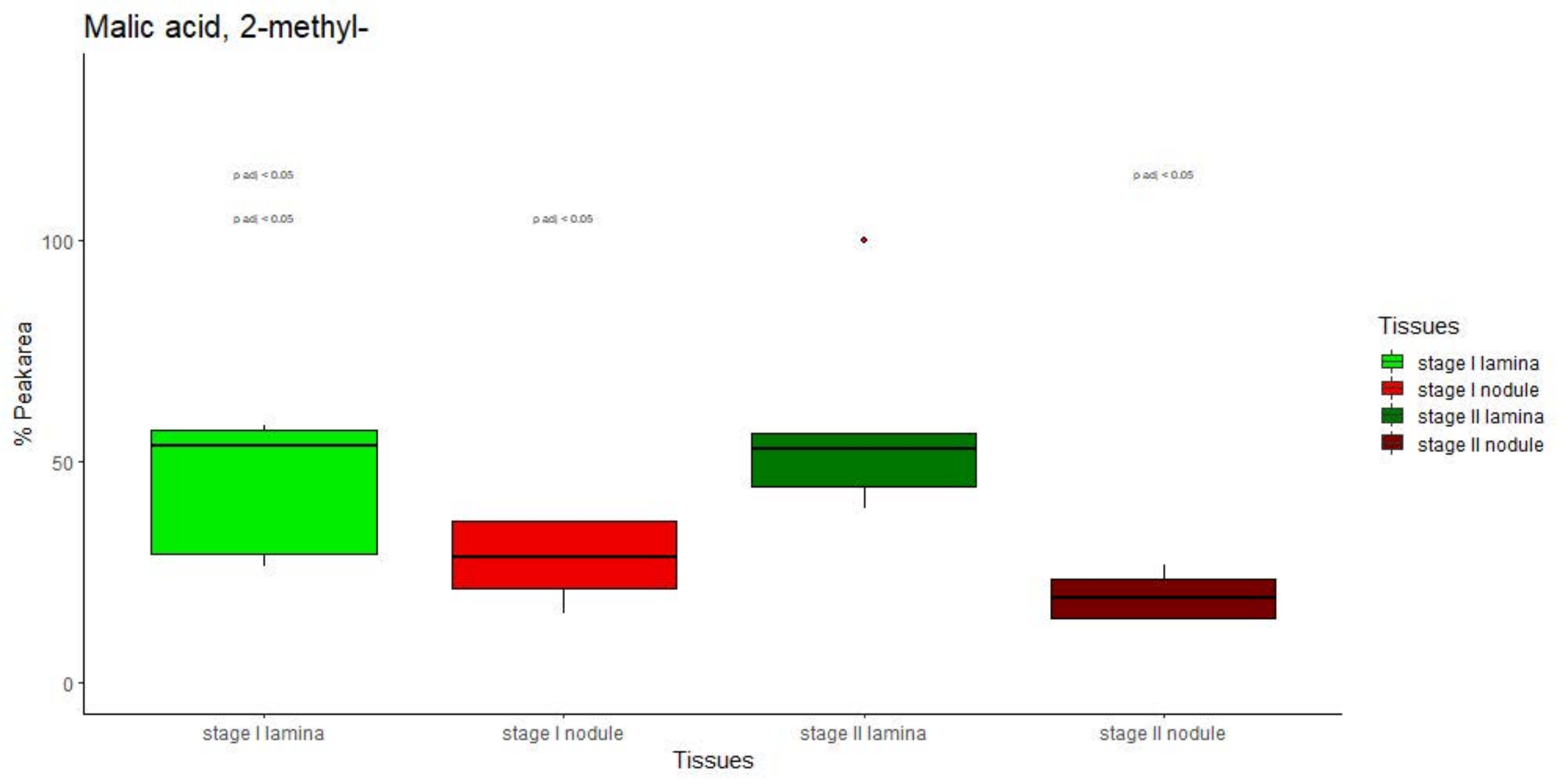
stage II nodule


Malic acid, 2-methyl-
p adj < 0.05
p adj < 0.05
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p adj < 0.05
100
50
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% Peakarea
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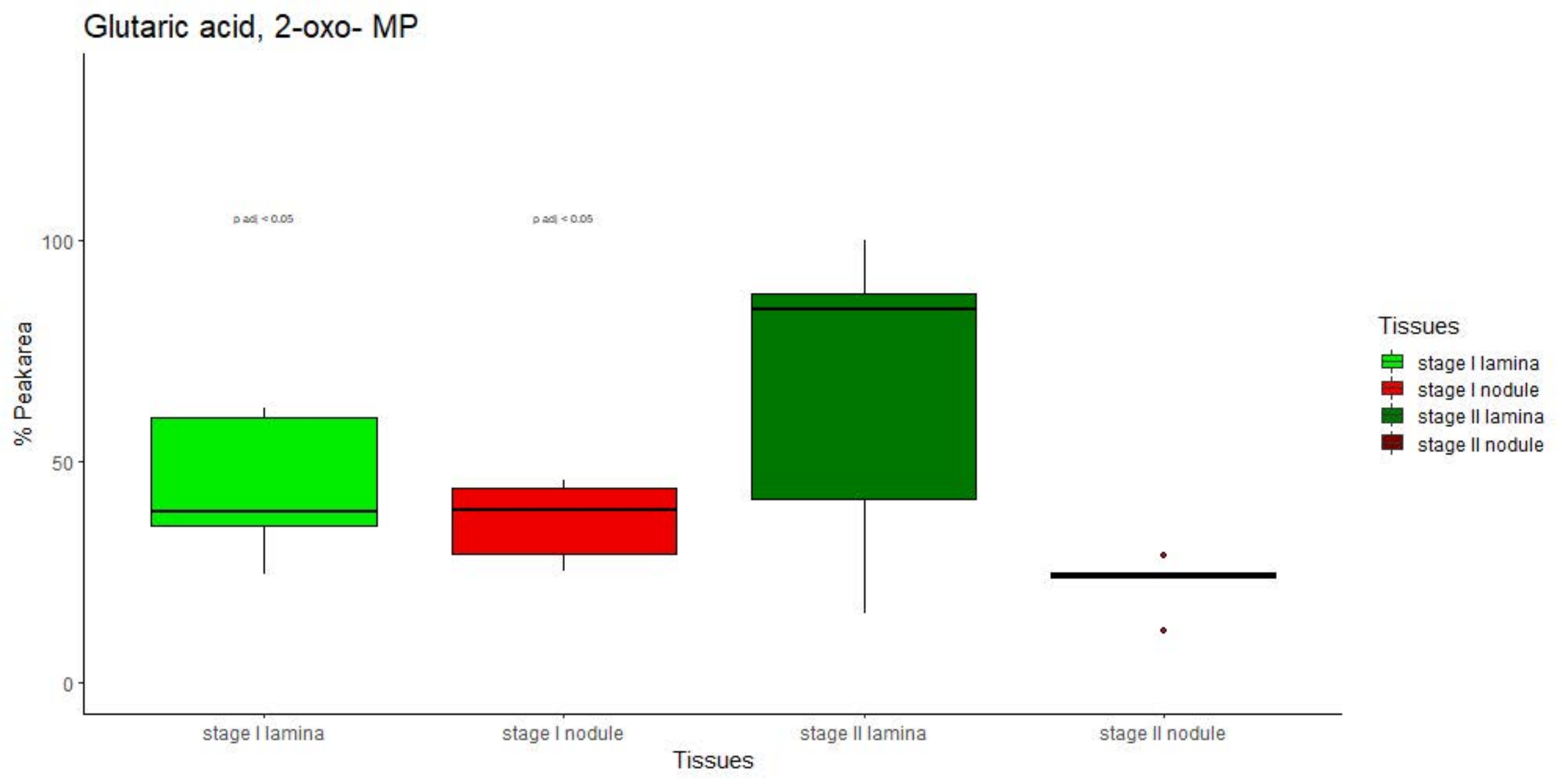
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Glutaric acid, 2-oxo- MP
p adj < 0.05
p adj < 0.05
100
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% Peakarea
stage I lamina
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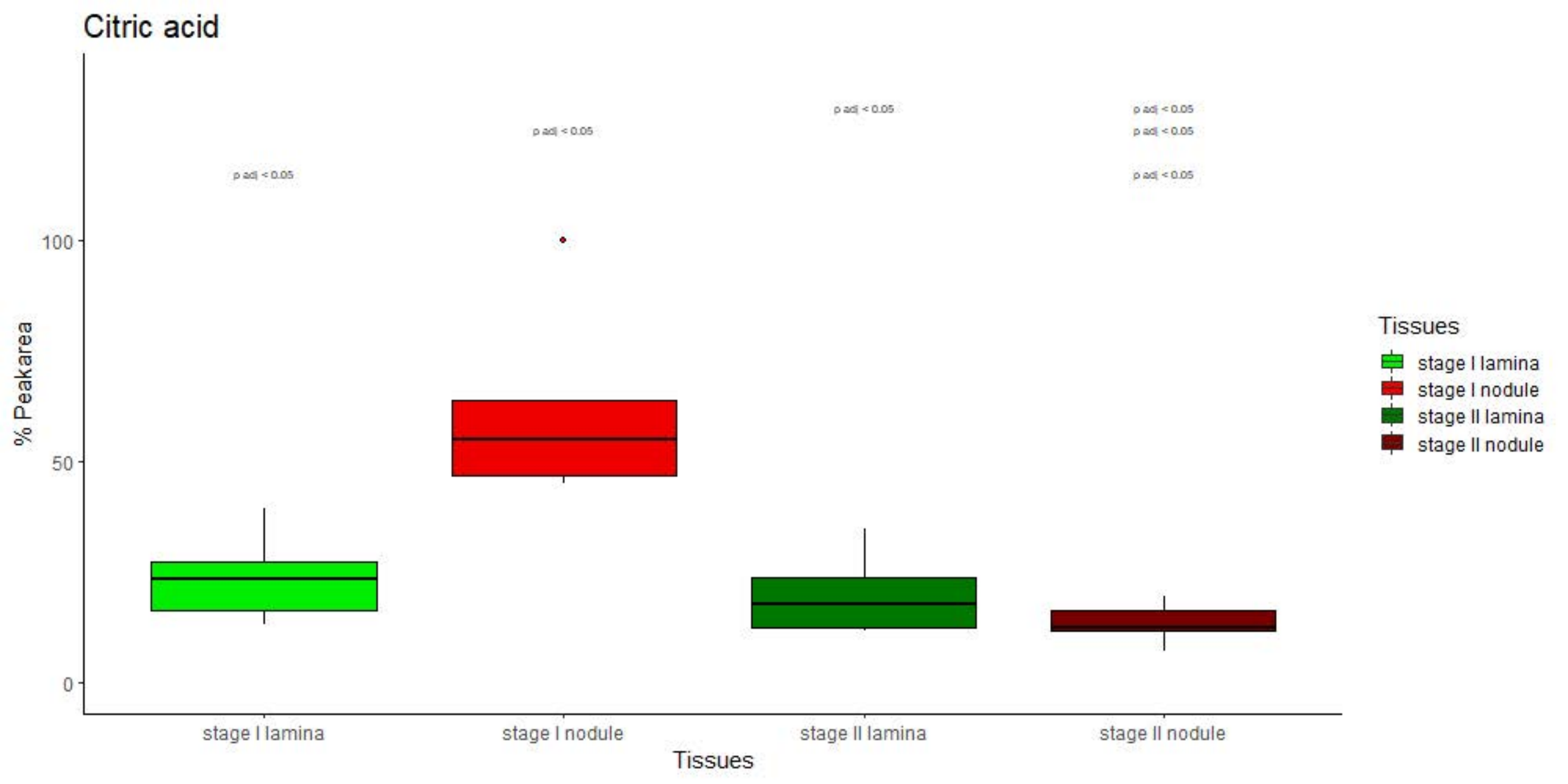
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Citric acid
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
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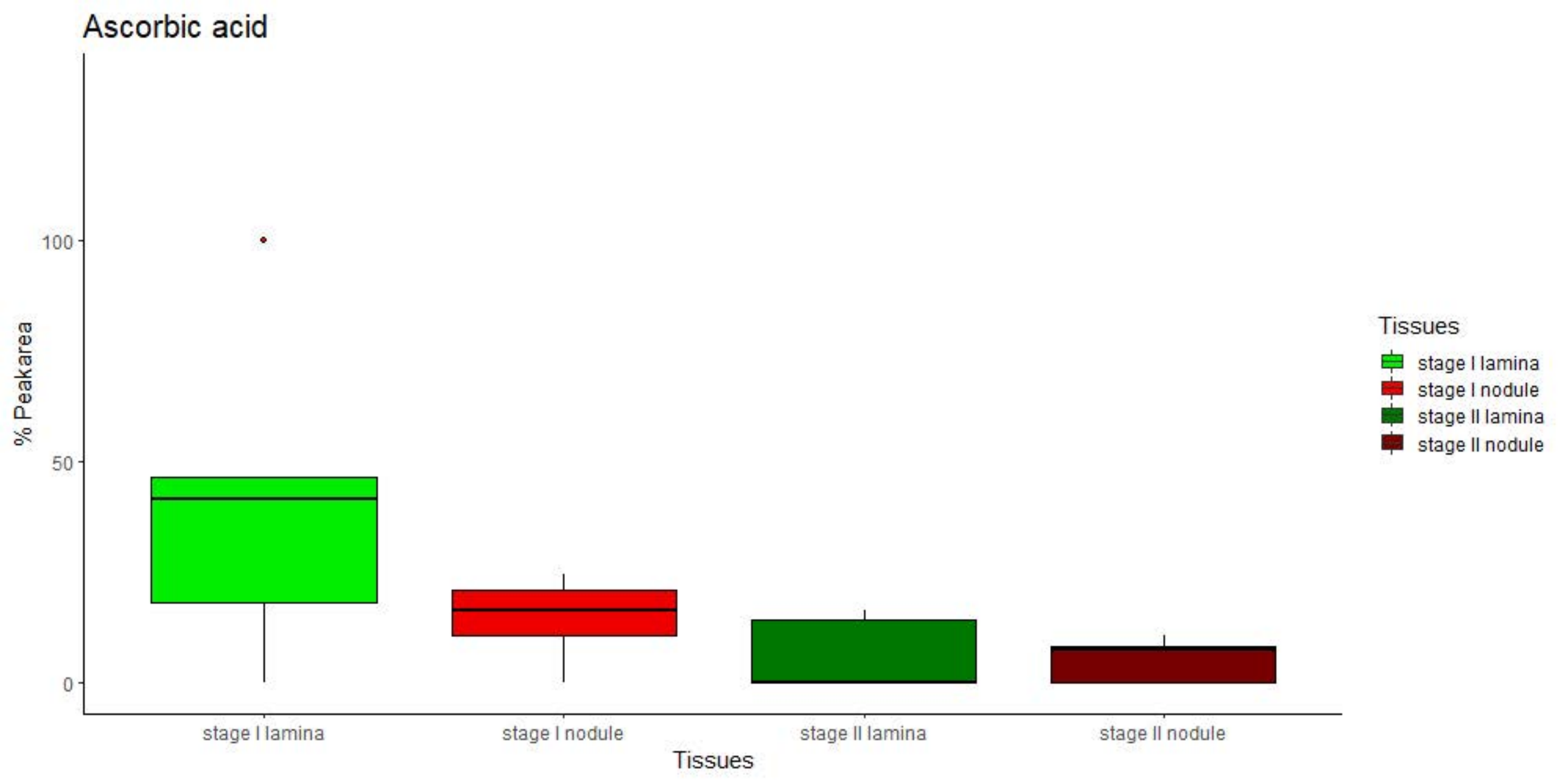
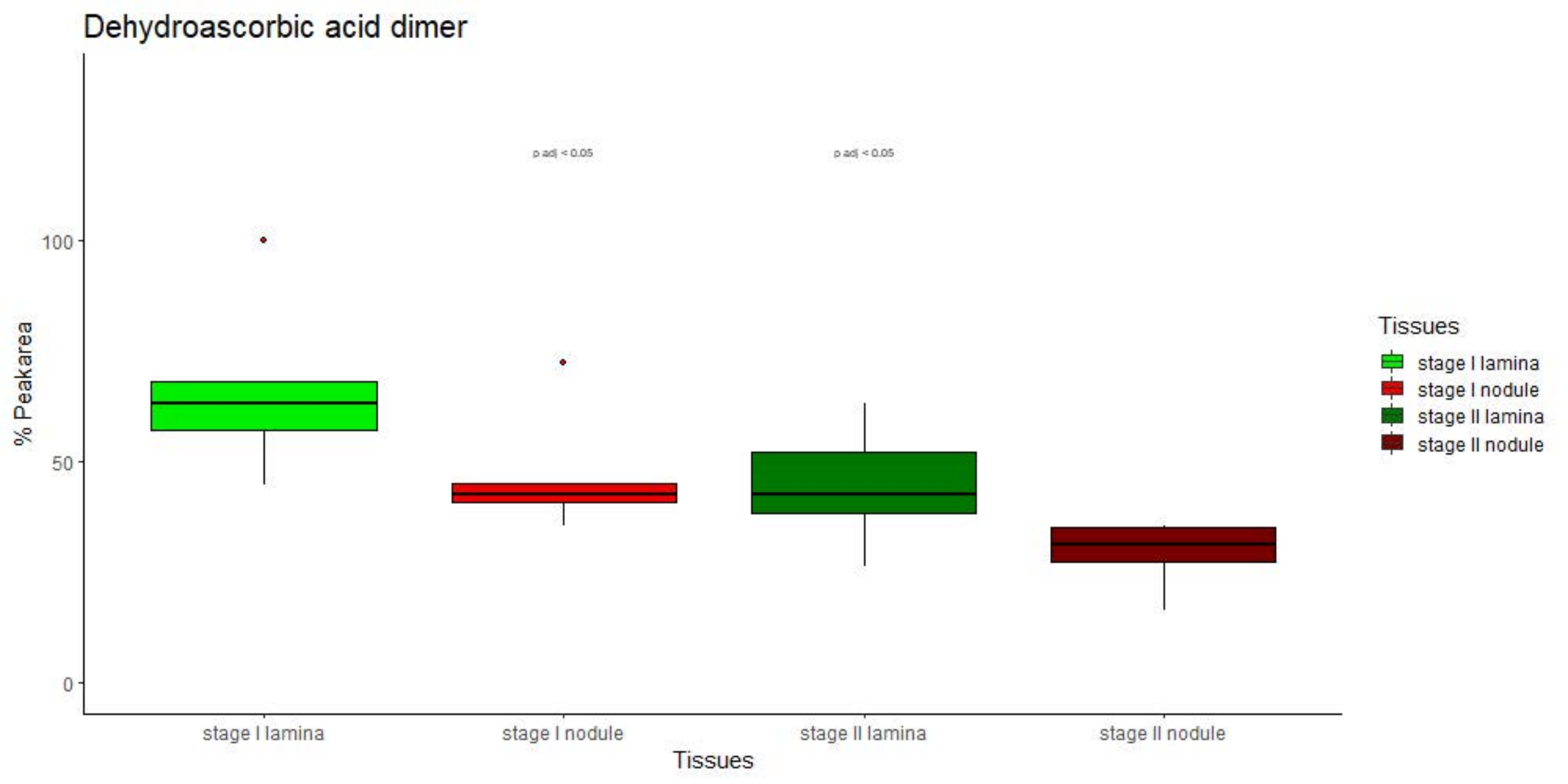
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Ascorbic acid
% Peakarea
100
50
0
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Dehydroascorbic acid dimer
p adj < 0.05
p adj < 0.05
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0
% Peakarea
stage I lamina
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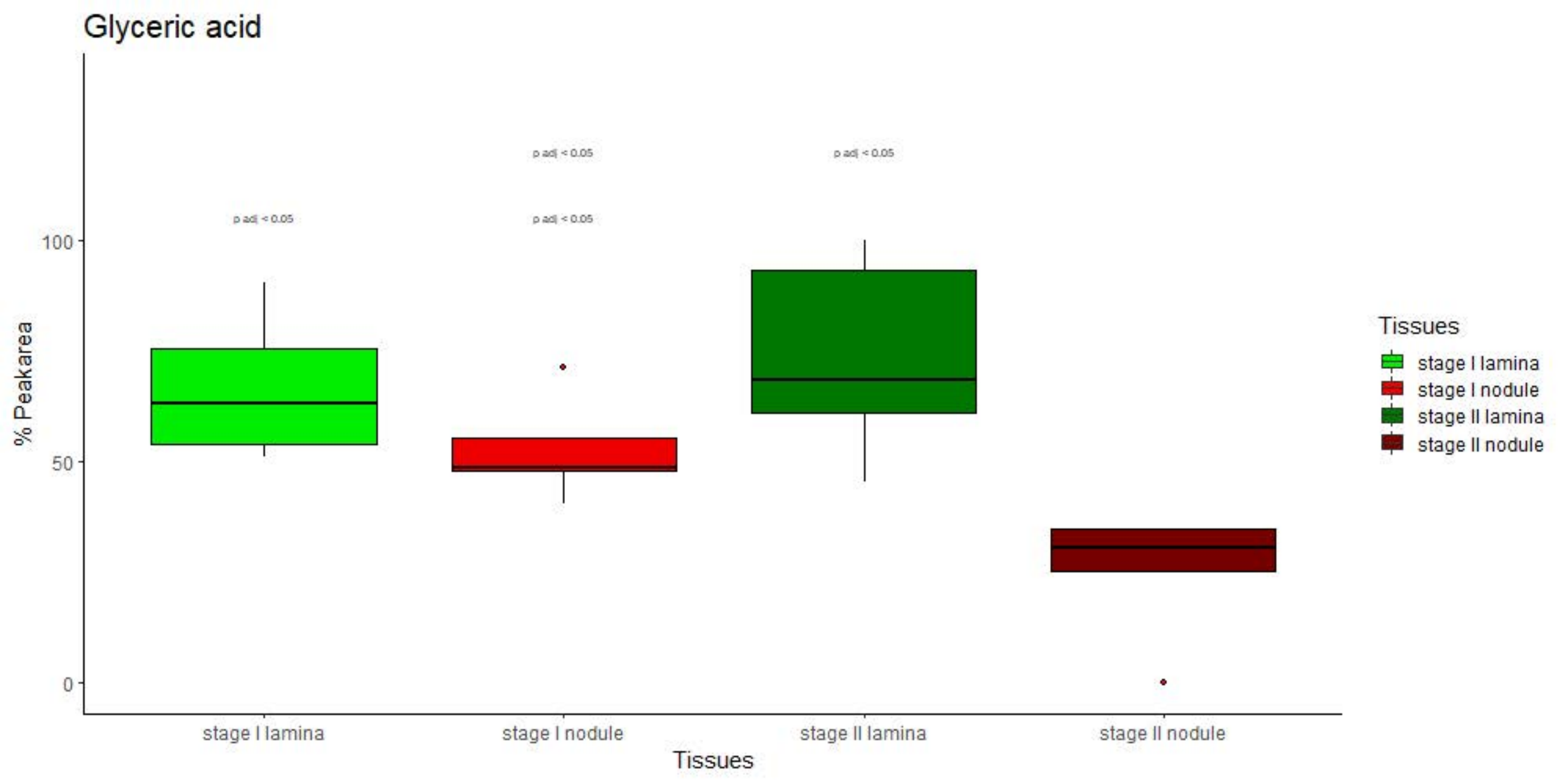
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Glyceric acid
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
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0
% Peakarea
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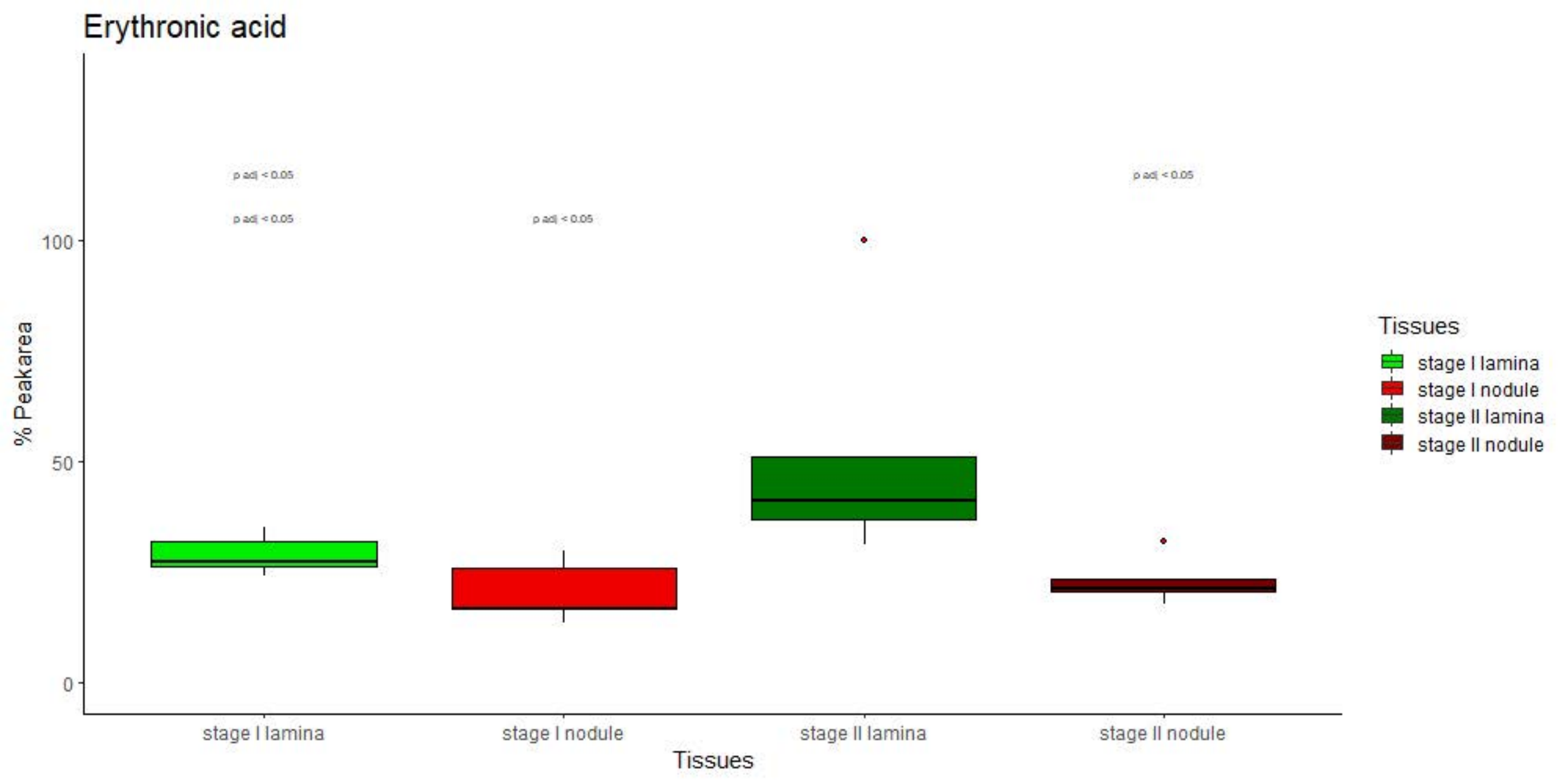
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Erythronic acid
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
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0
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stage I lamina
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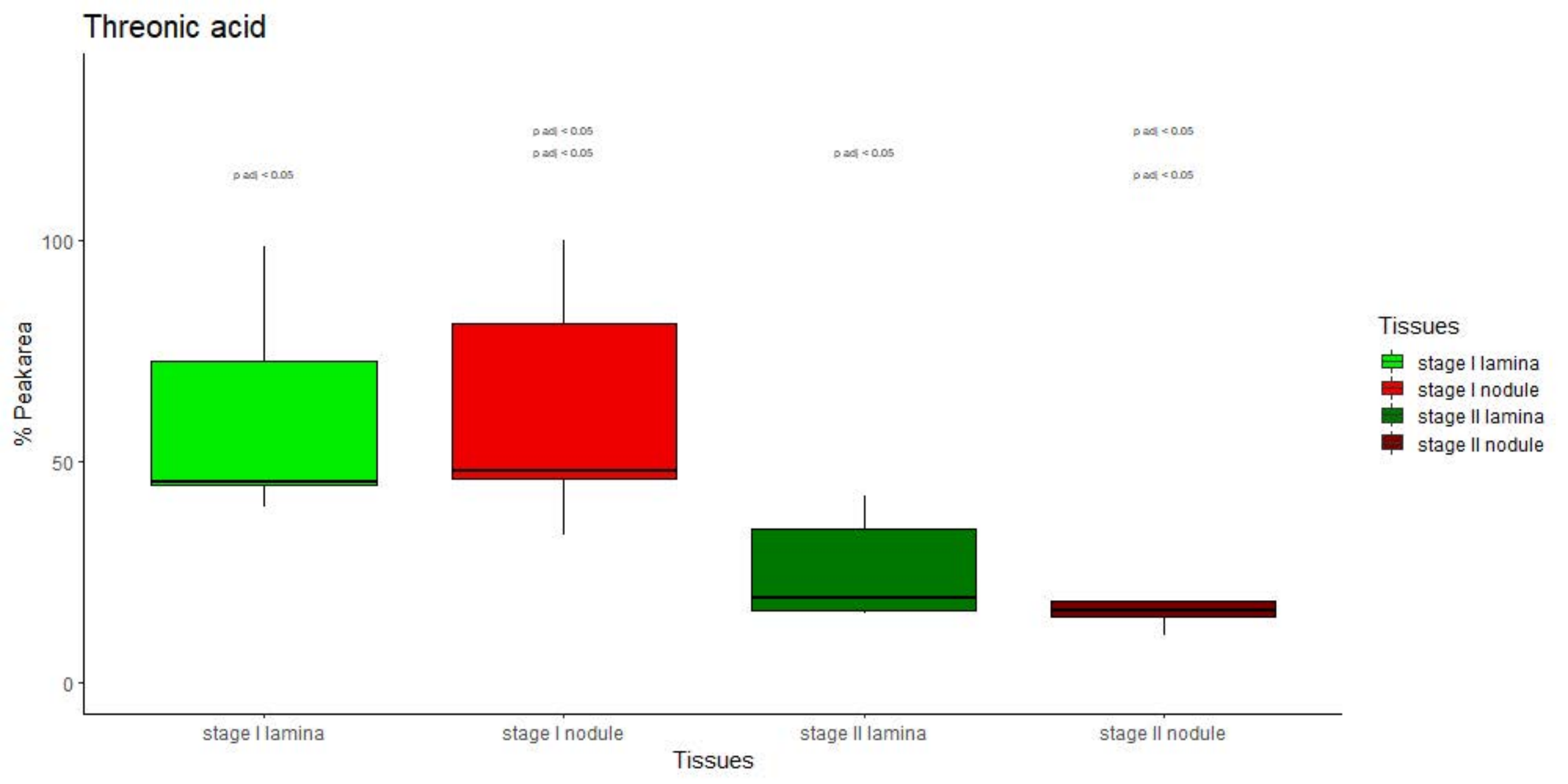
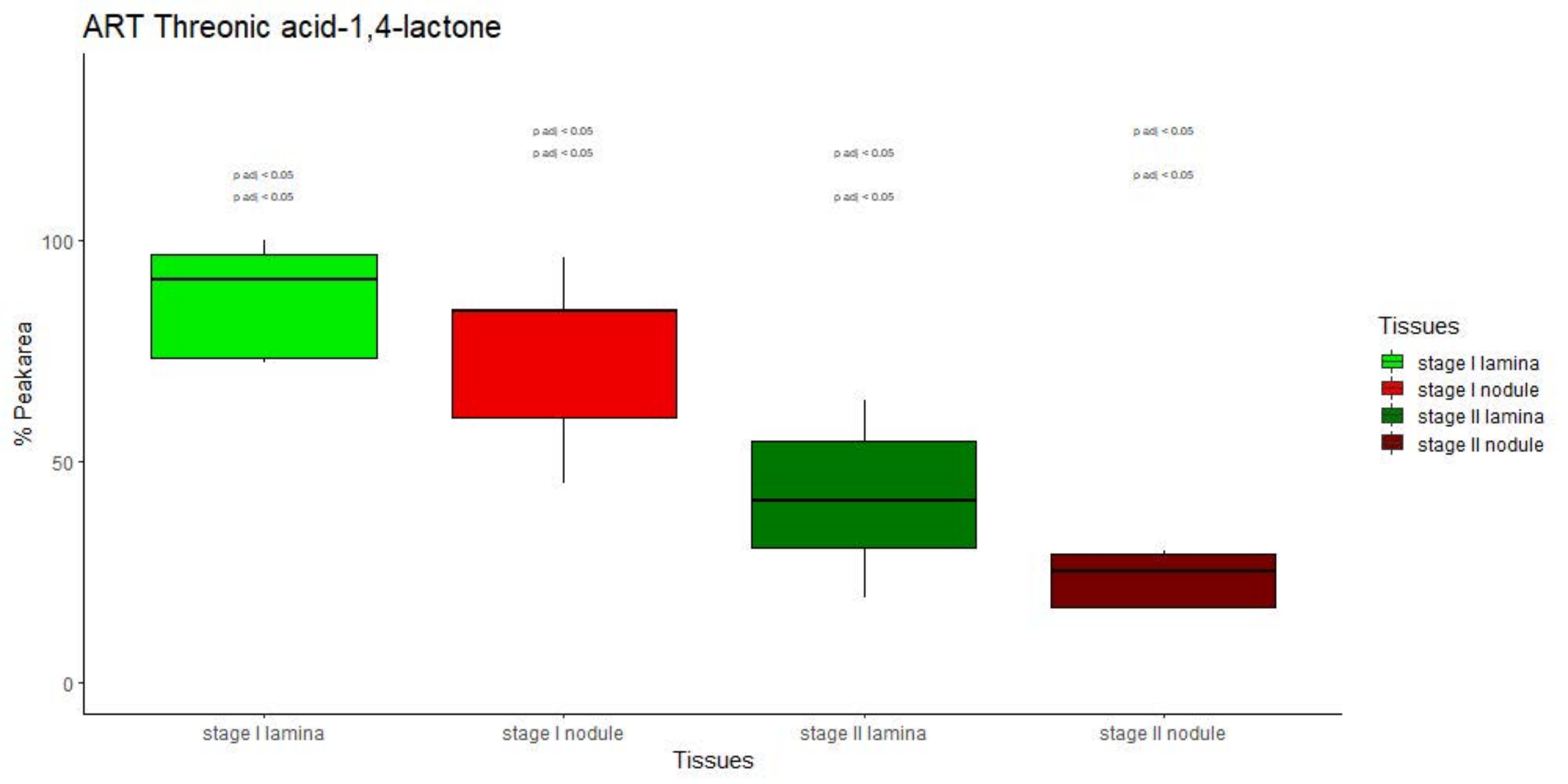
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Threonic acid
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


ART Threonic acid-1,4-lactone
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
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stage II lamina
stage II nodule
Tissues
Tissues
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stage I nodule
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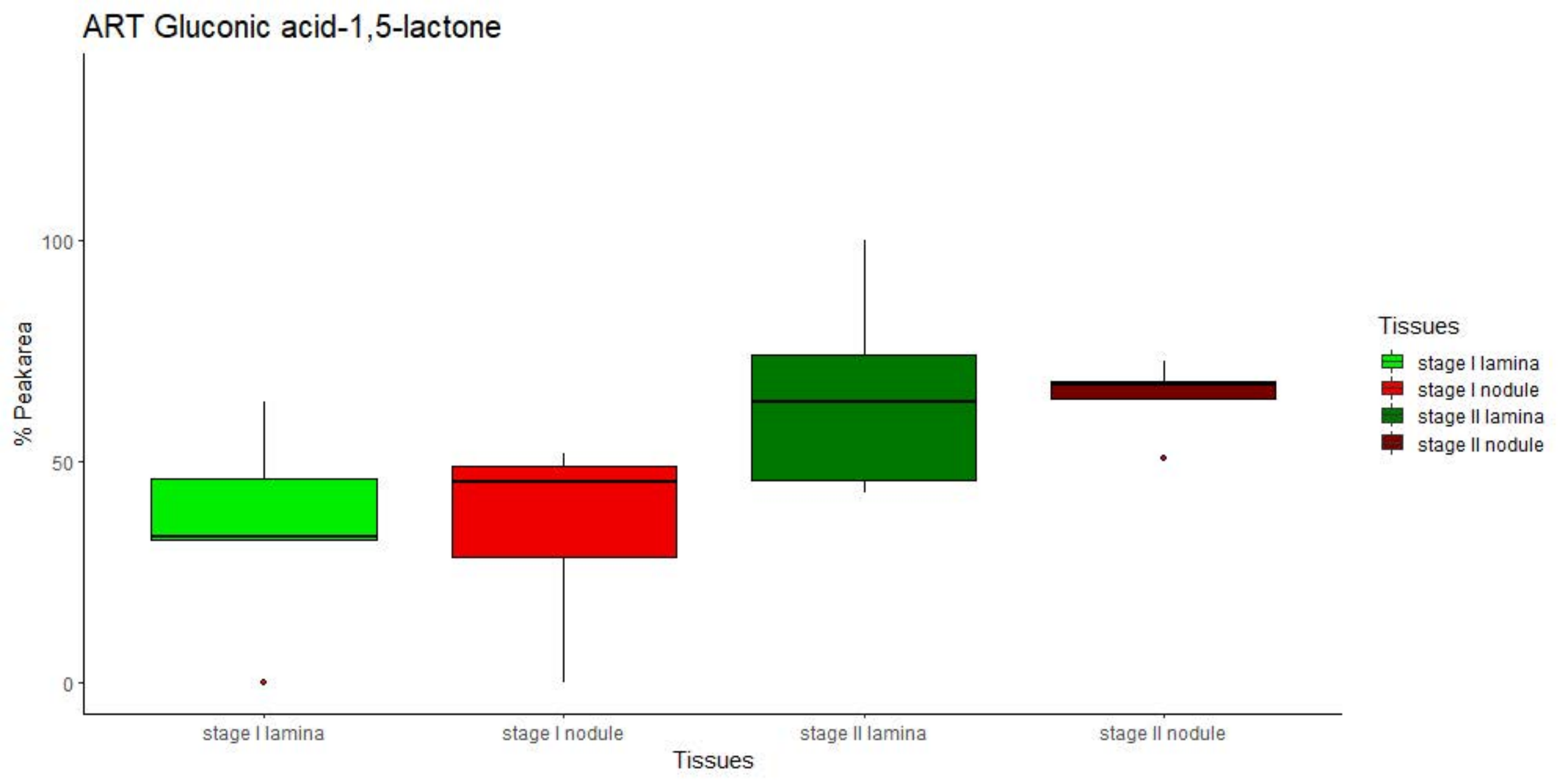
stage II nodule


ART Gluconic acid-1,5-lactone
% Peakarea
100
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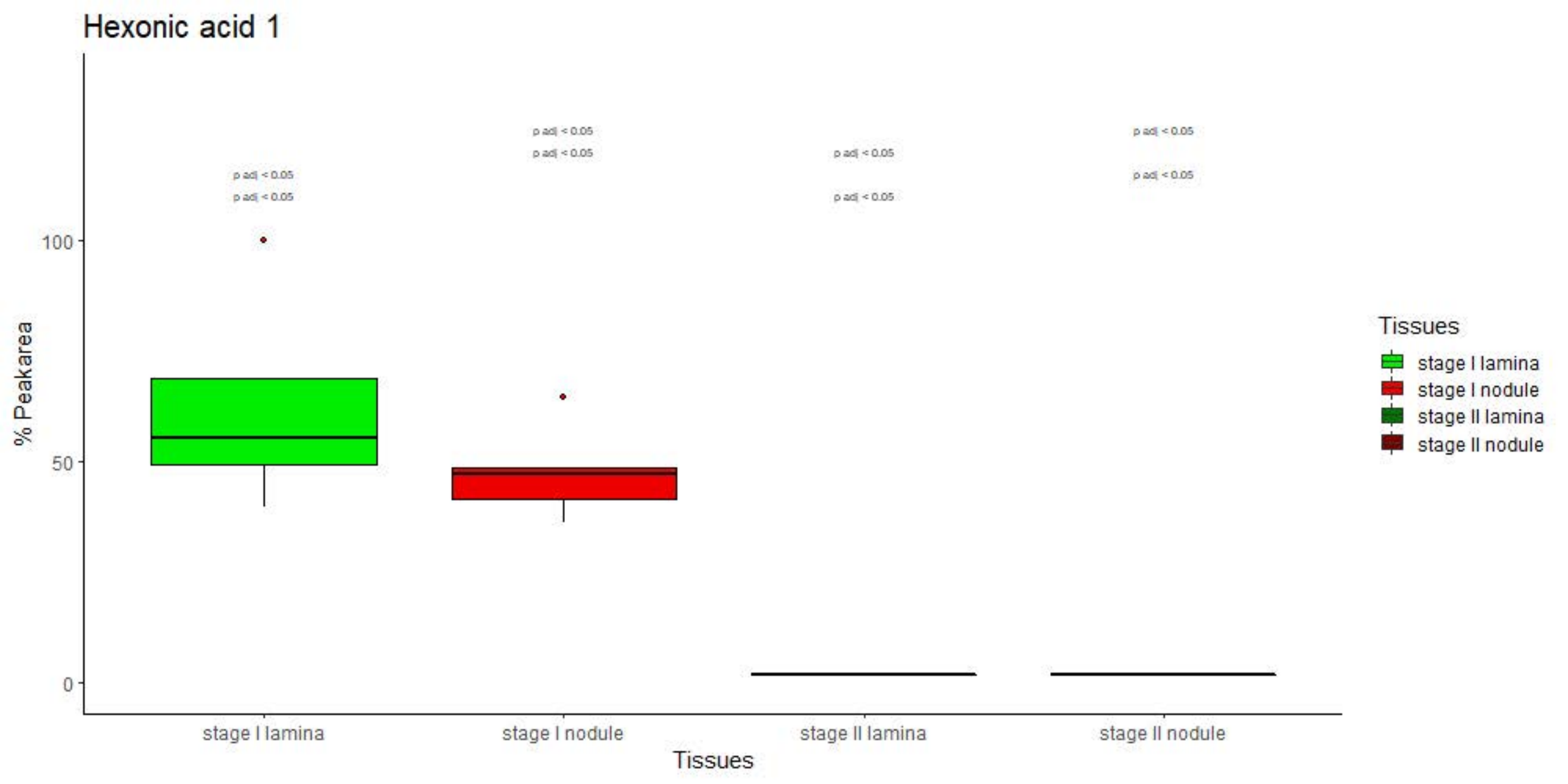
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Hexonic acid 1
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p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
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% Peakarea
stage I lamina
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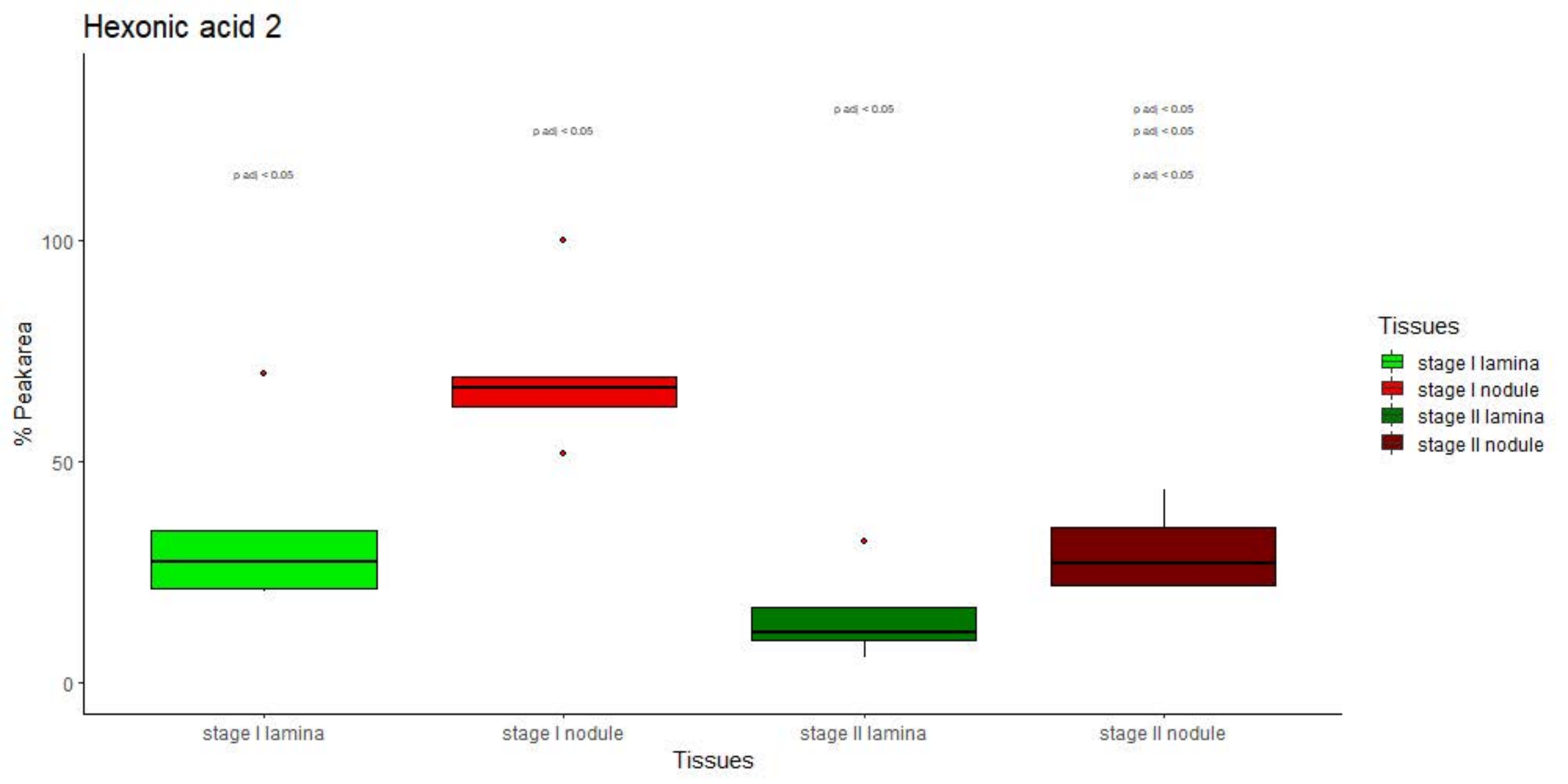
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Hexonic acid 2
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
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0
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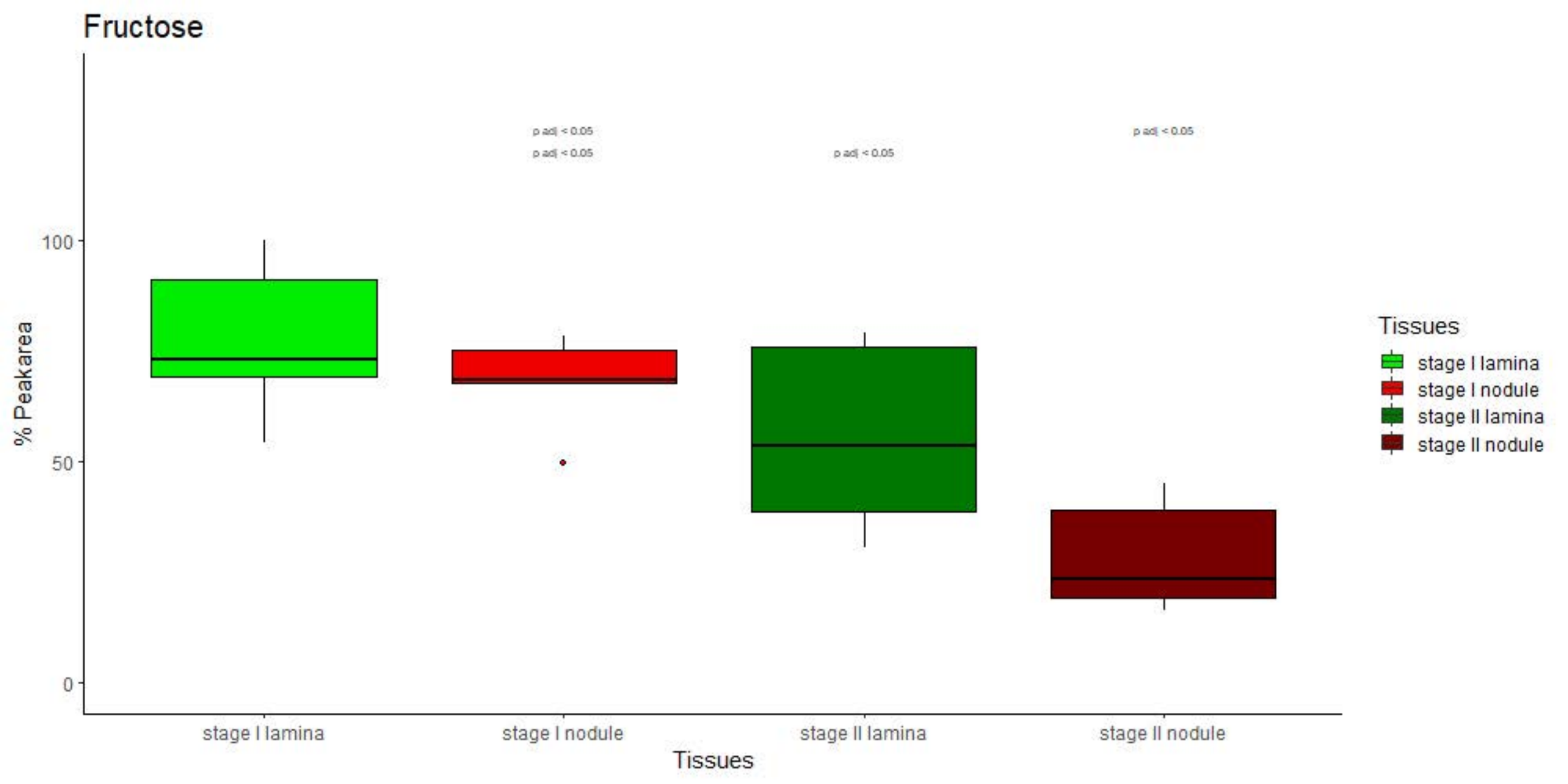
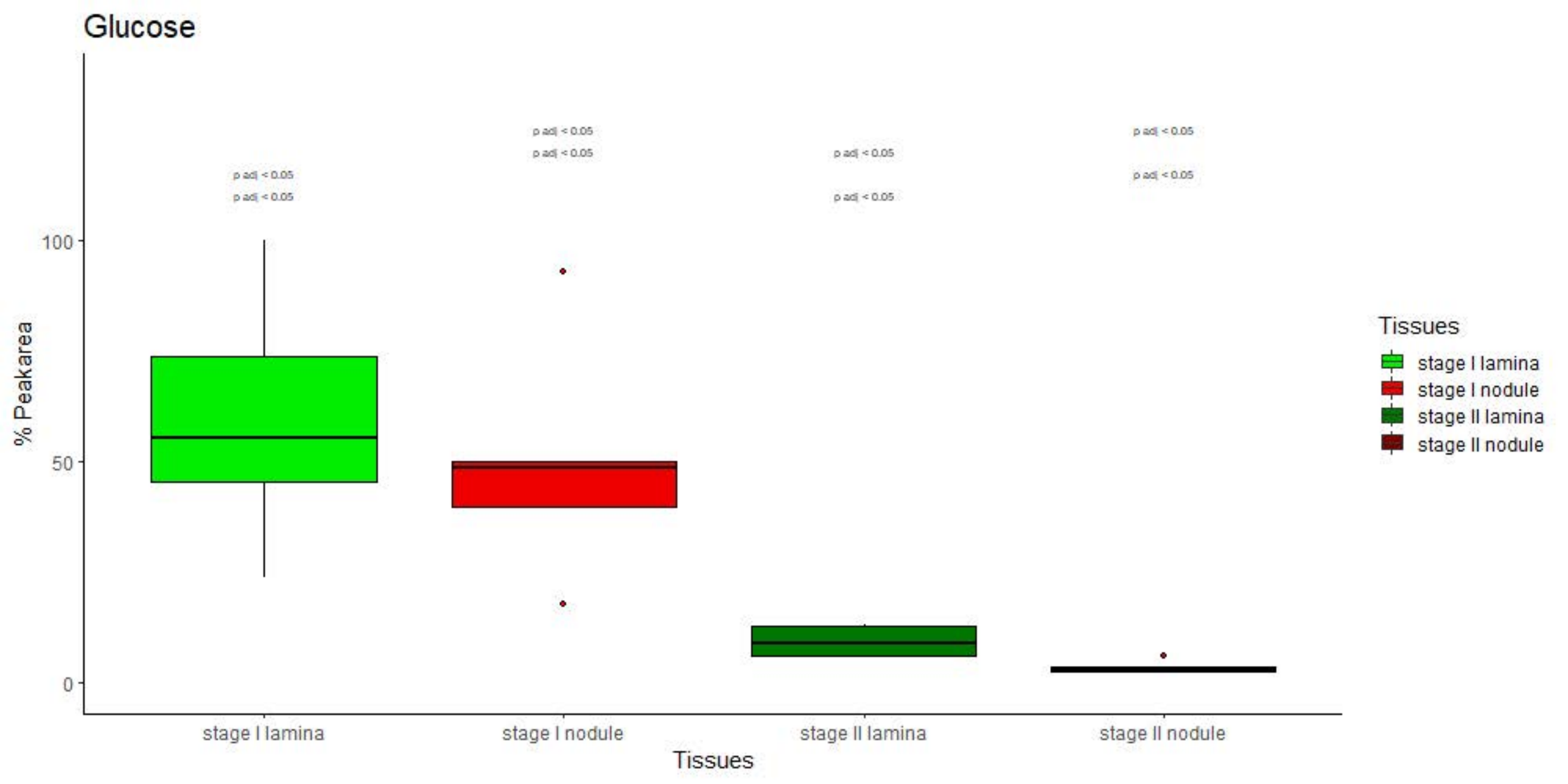
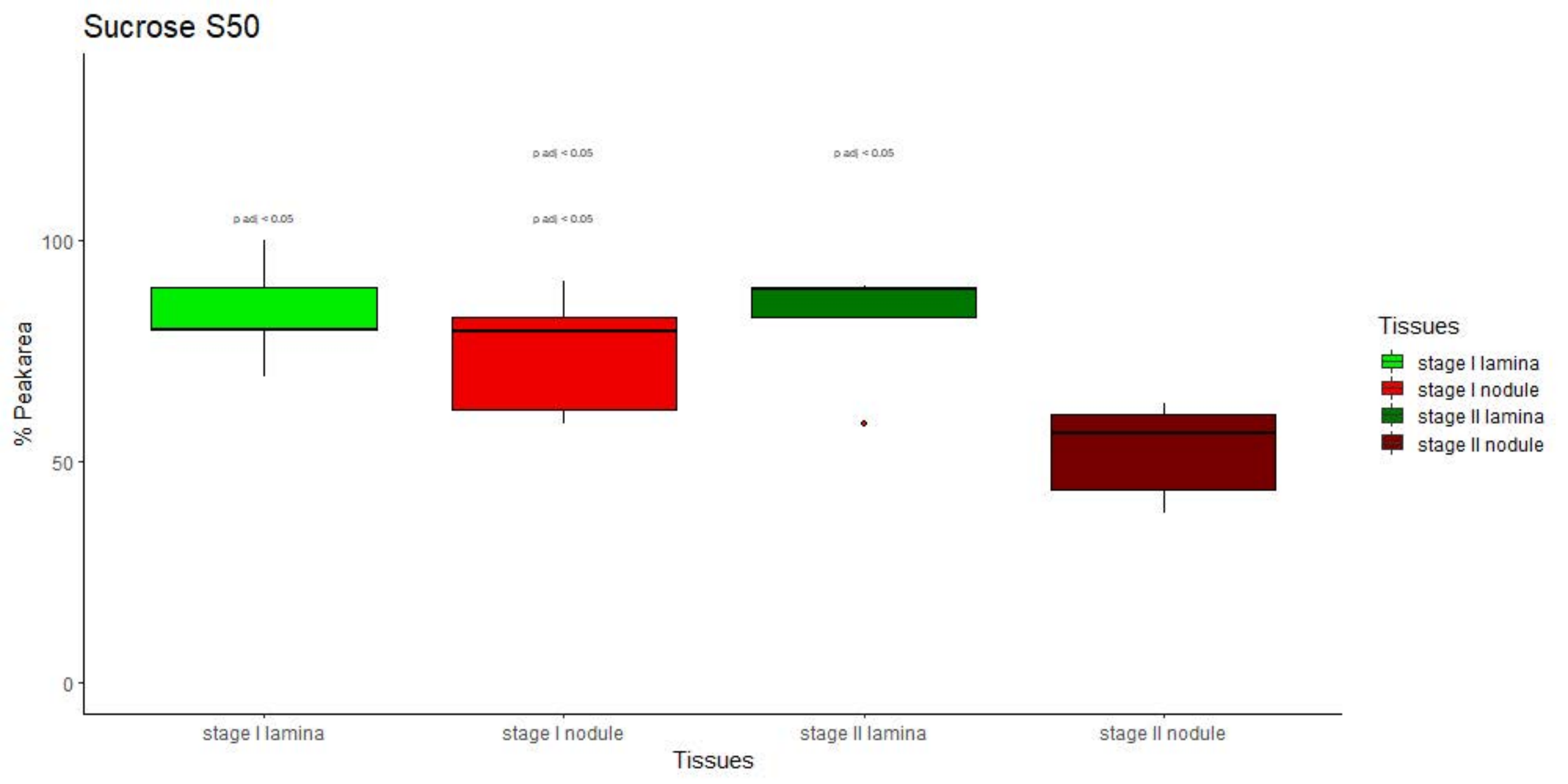
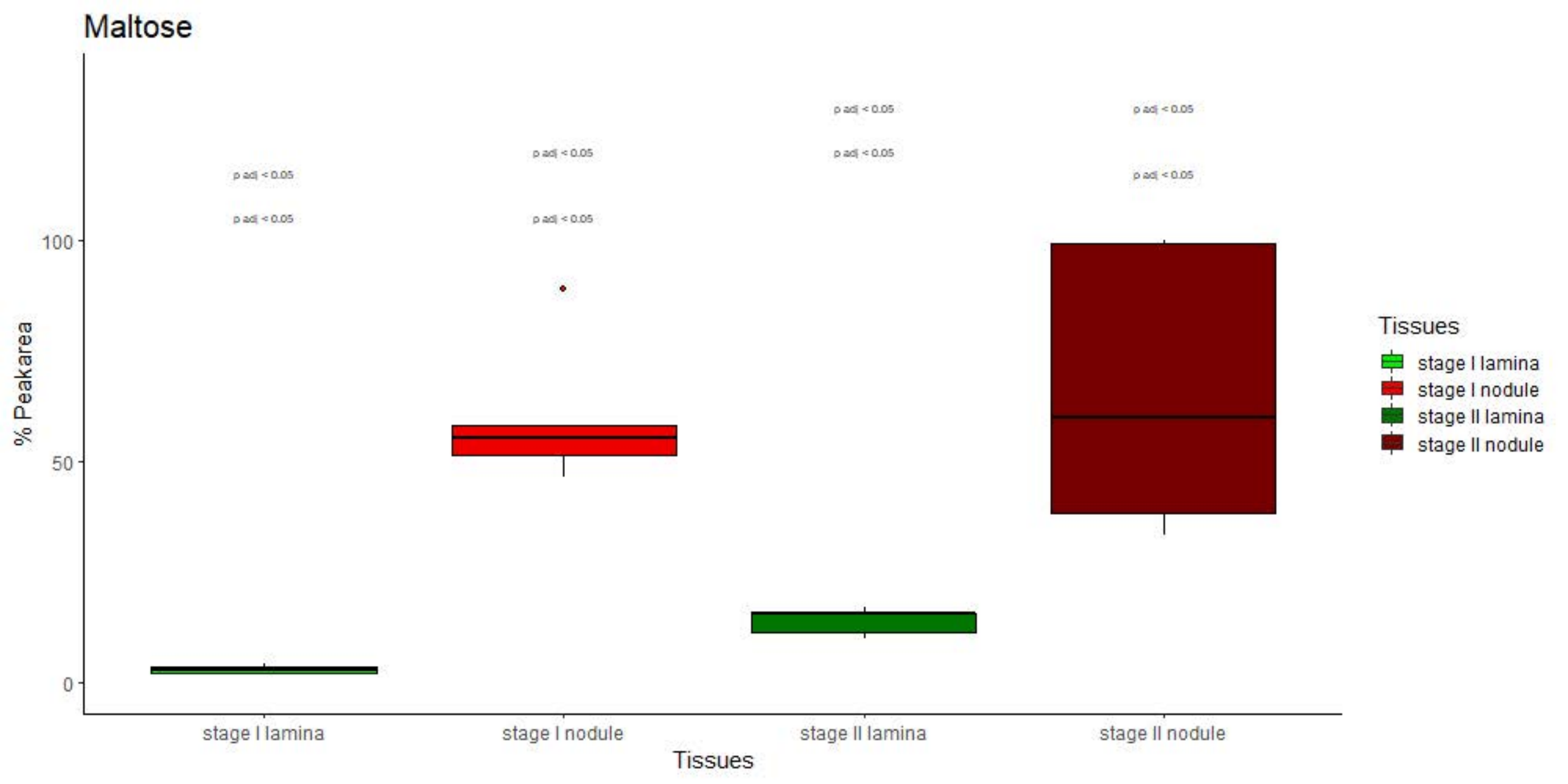
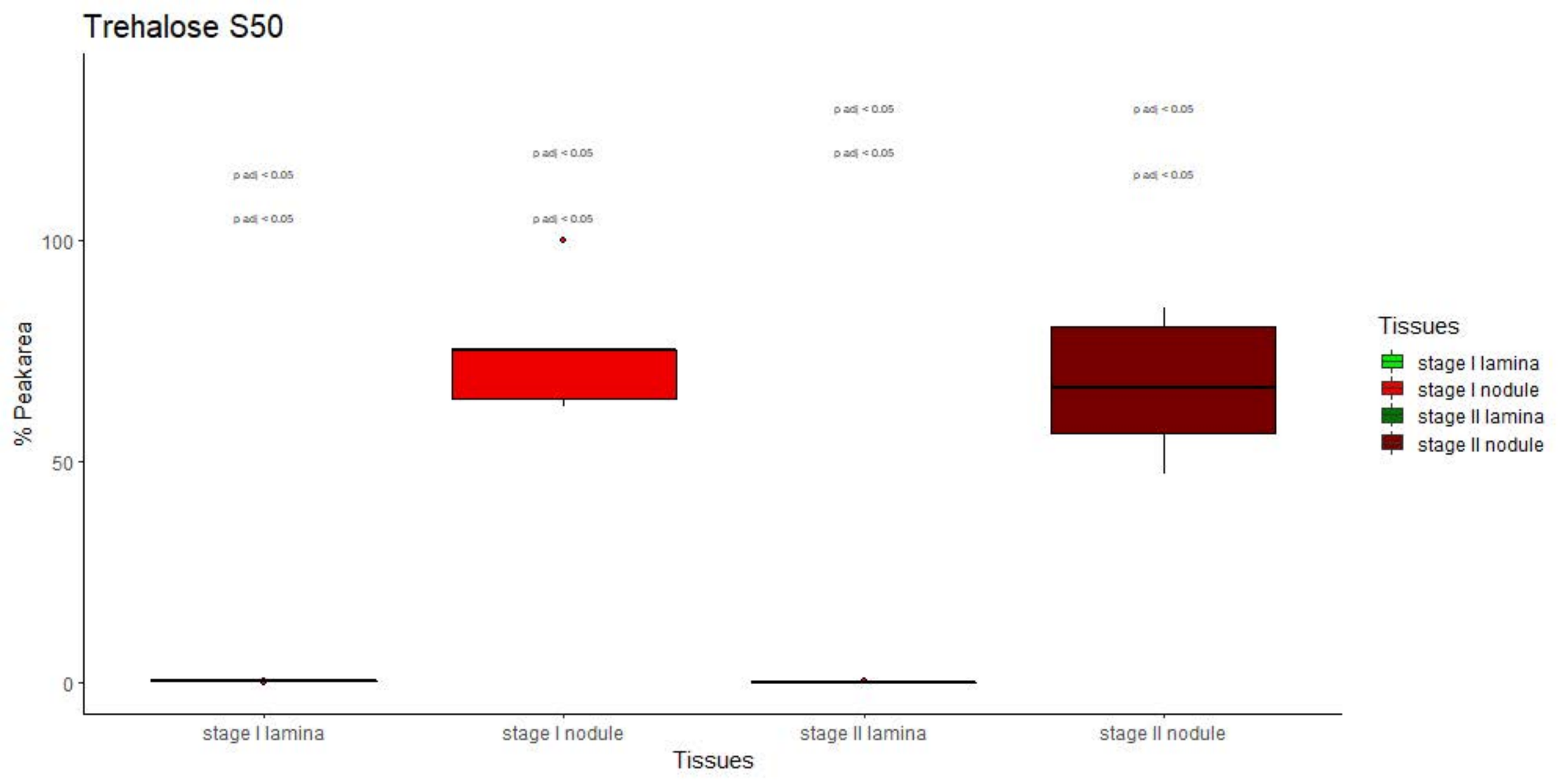
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule

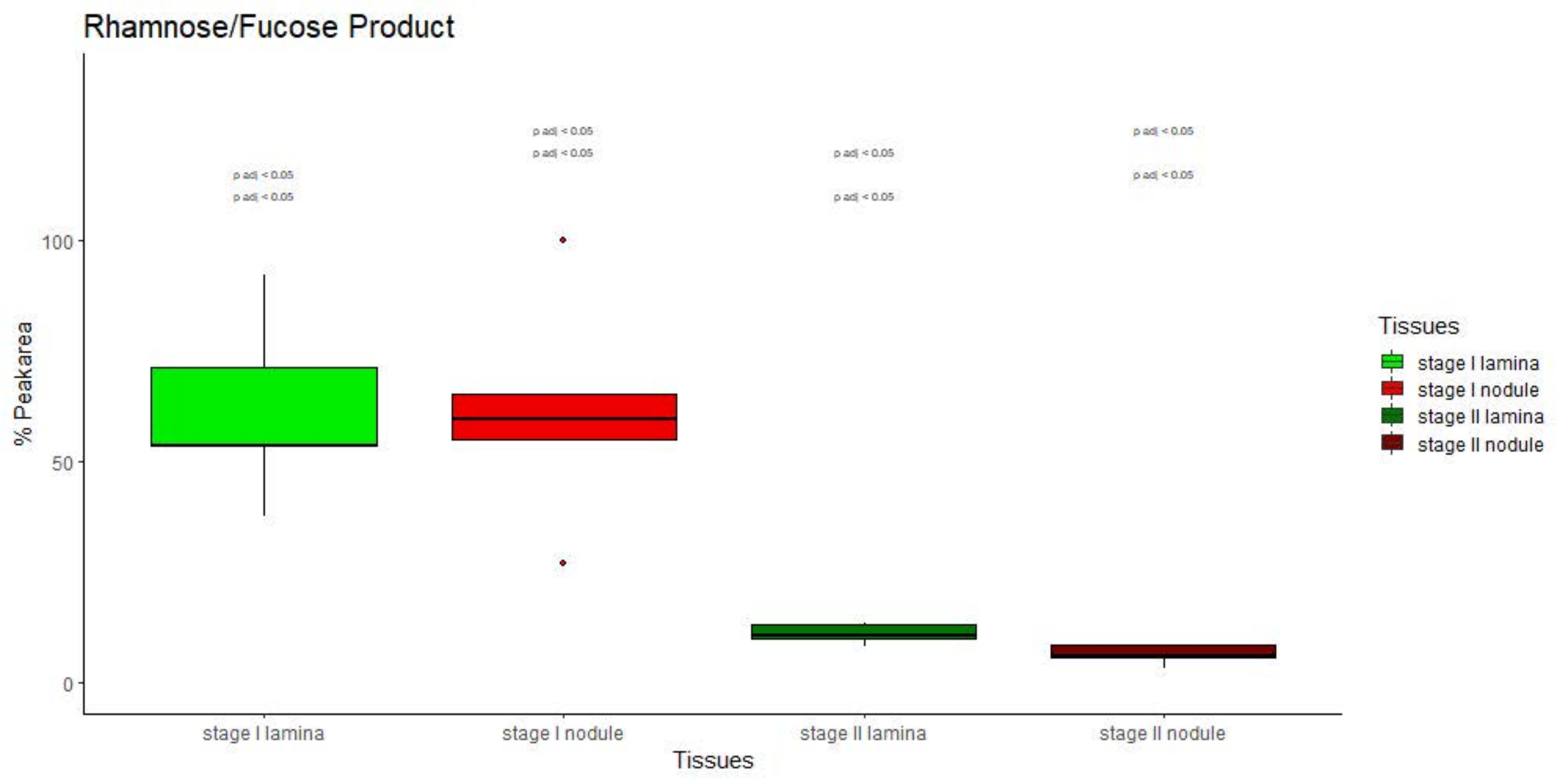

Fructose
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule

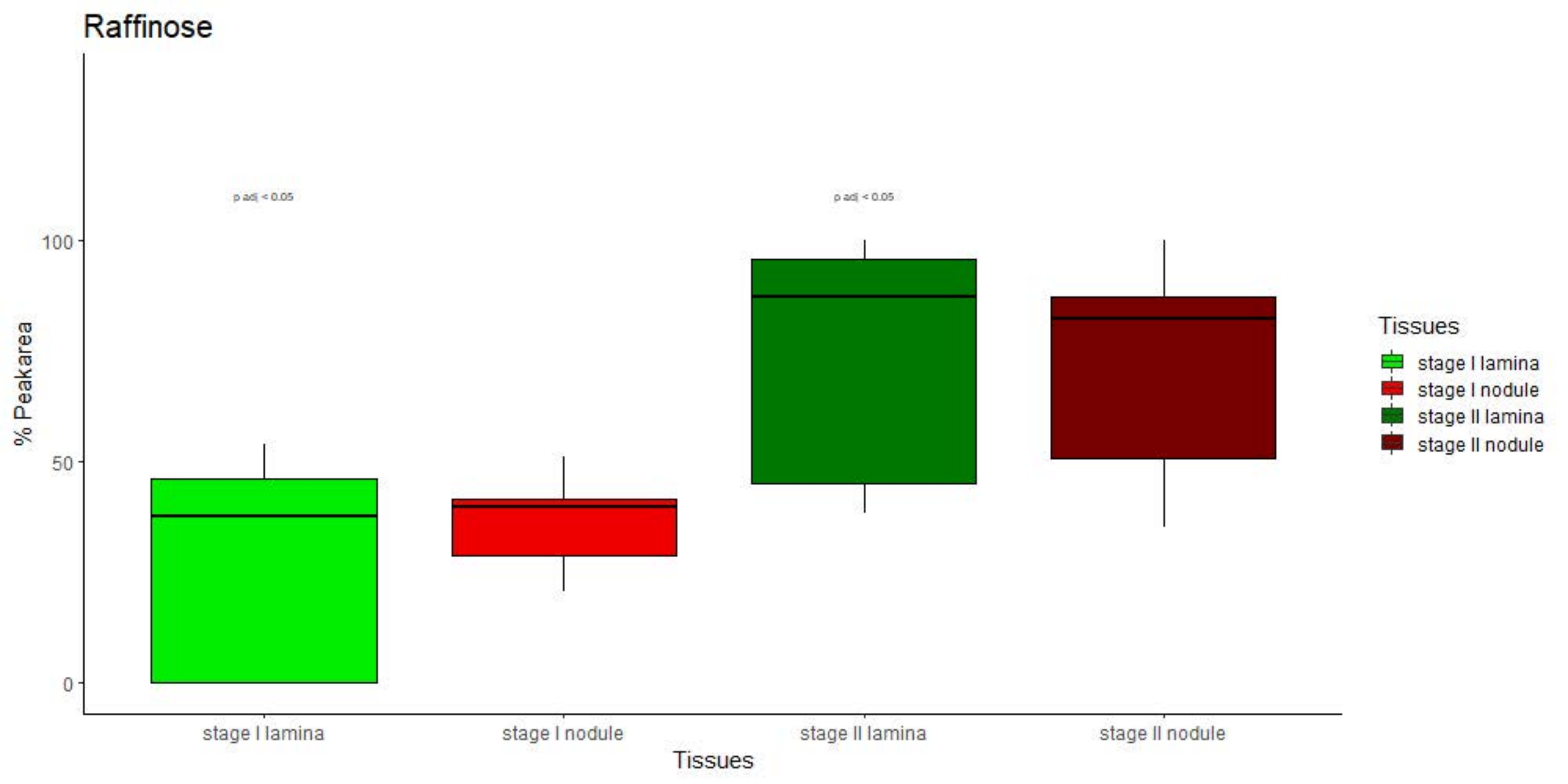

Glucose
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Sucrose S50
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Maltose
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Trehalose S50
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Rhamnose/Fucose Product
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Raffinose
p adj < 0.05
p adj < 0.05
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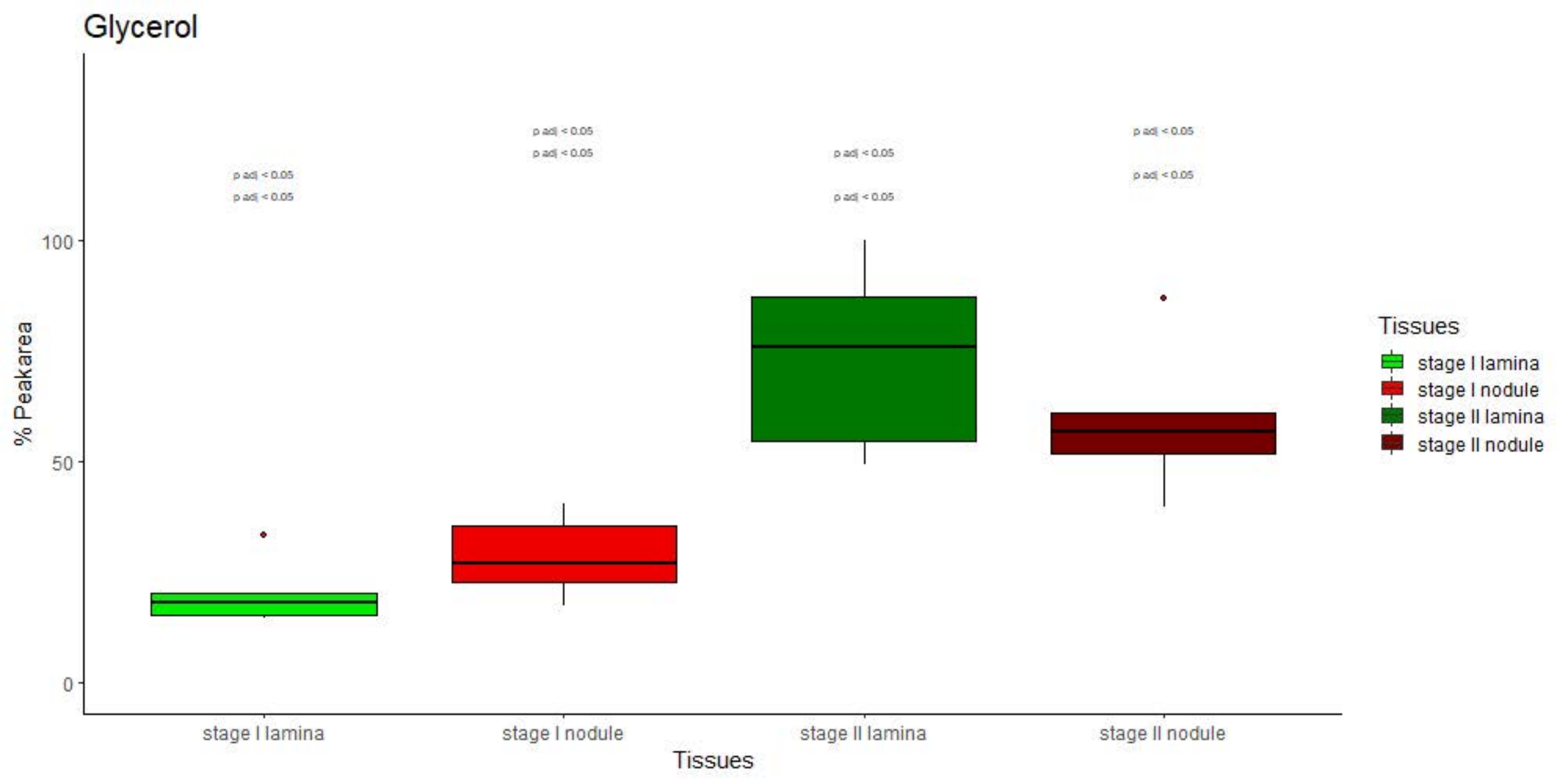
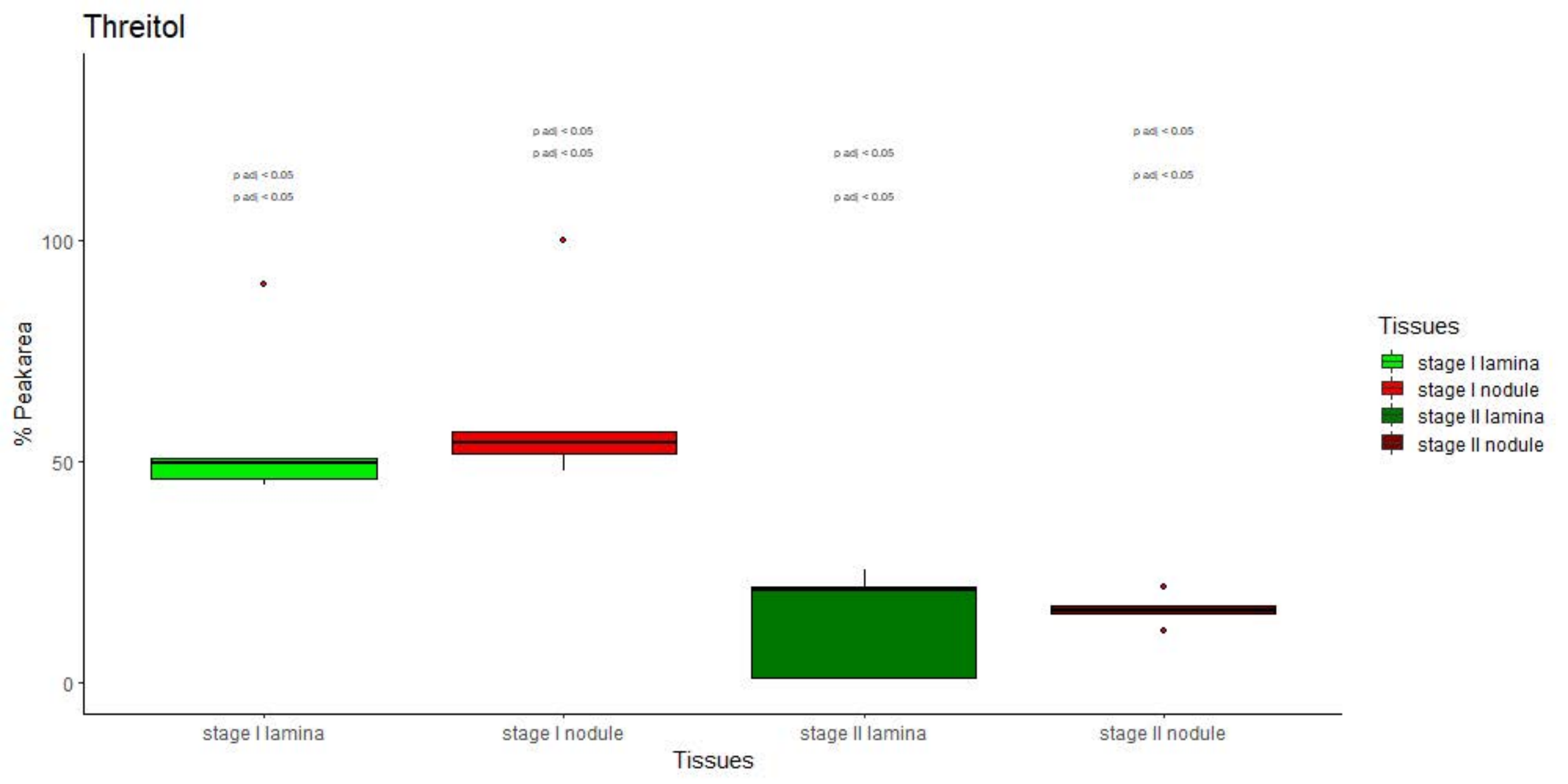
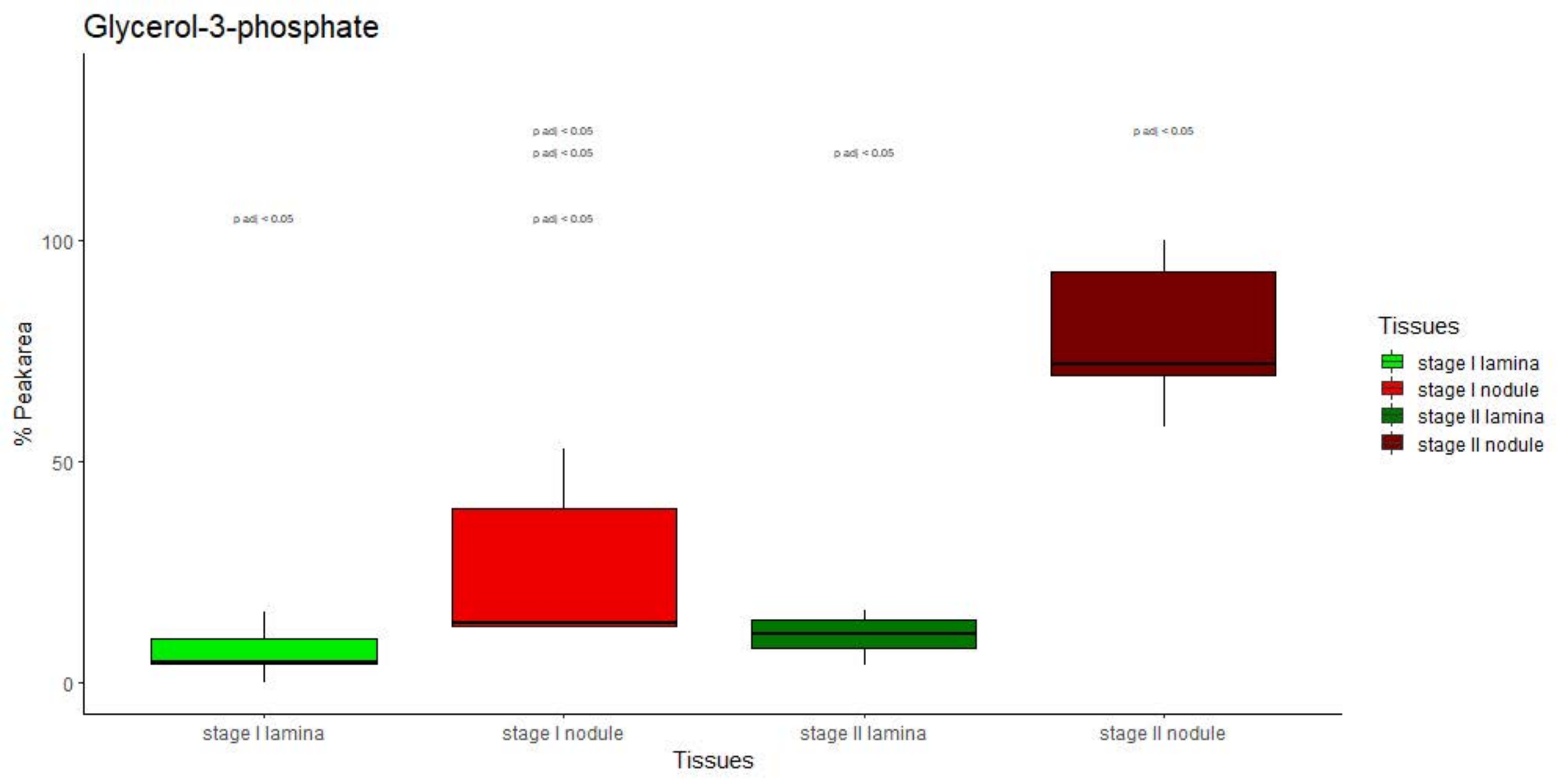
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Glycerol
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Threitol
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Glycerol-3-phosphate
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
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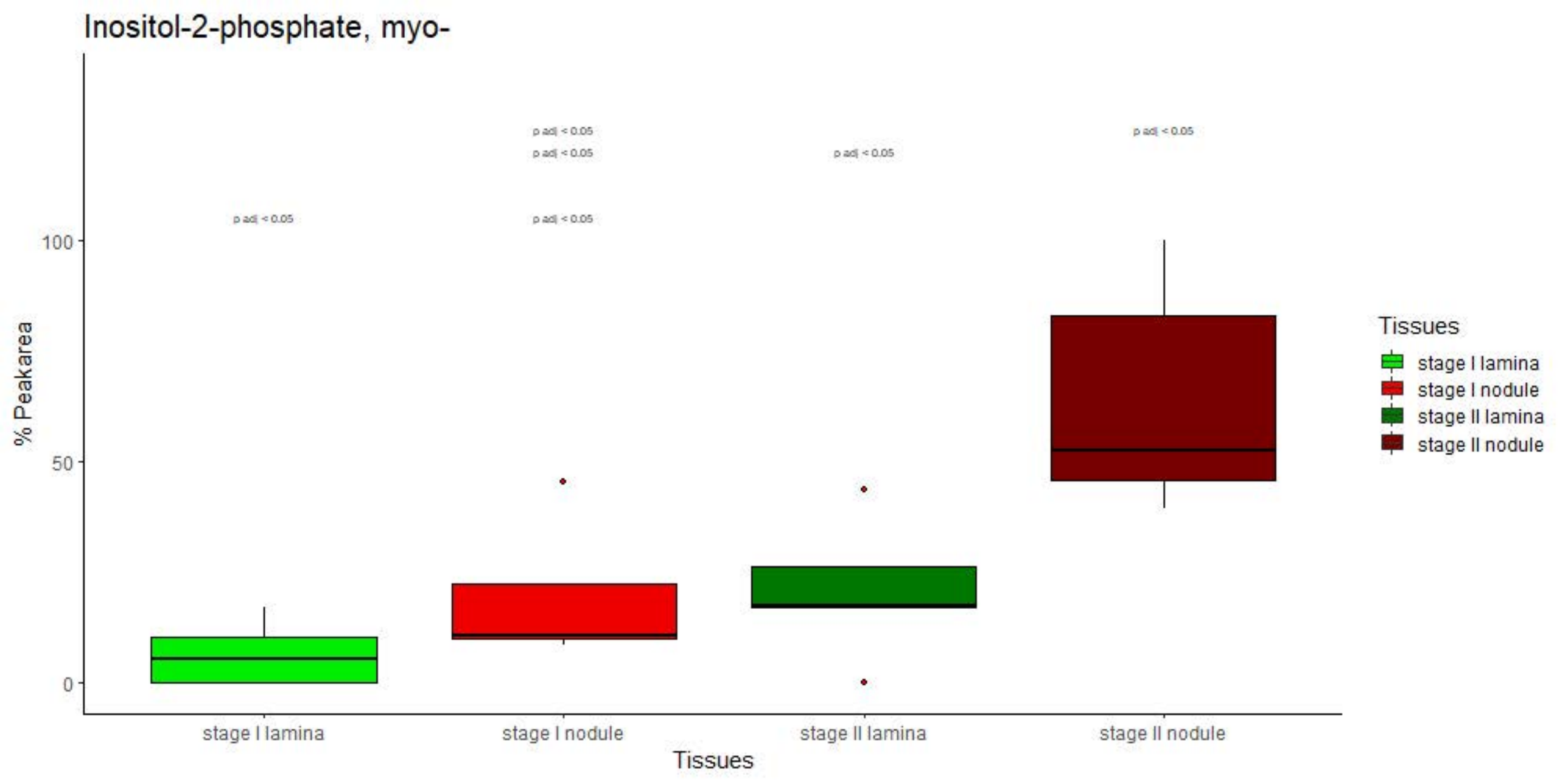
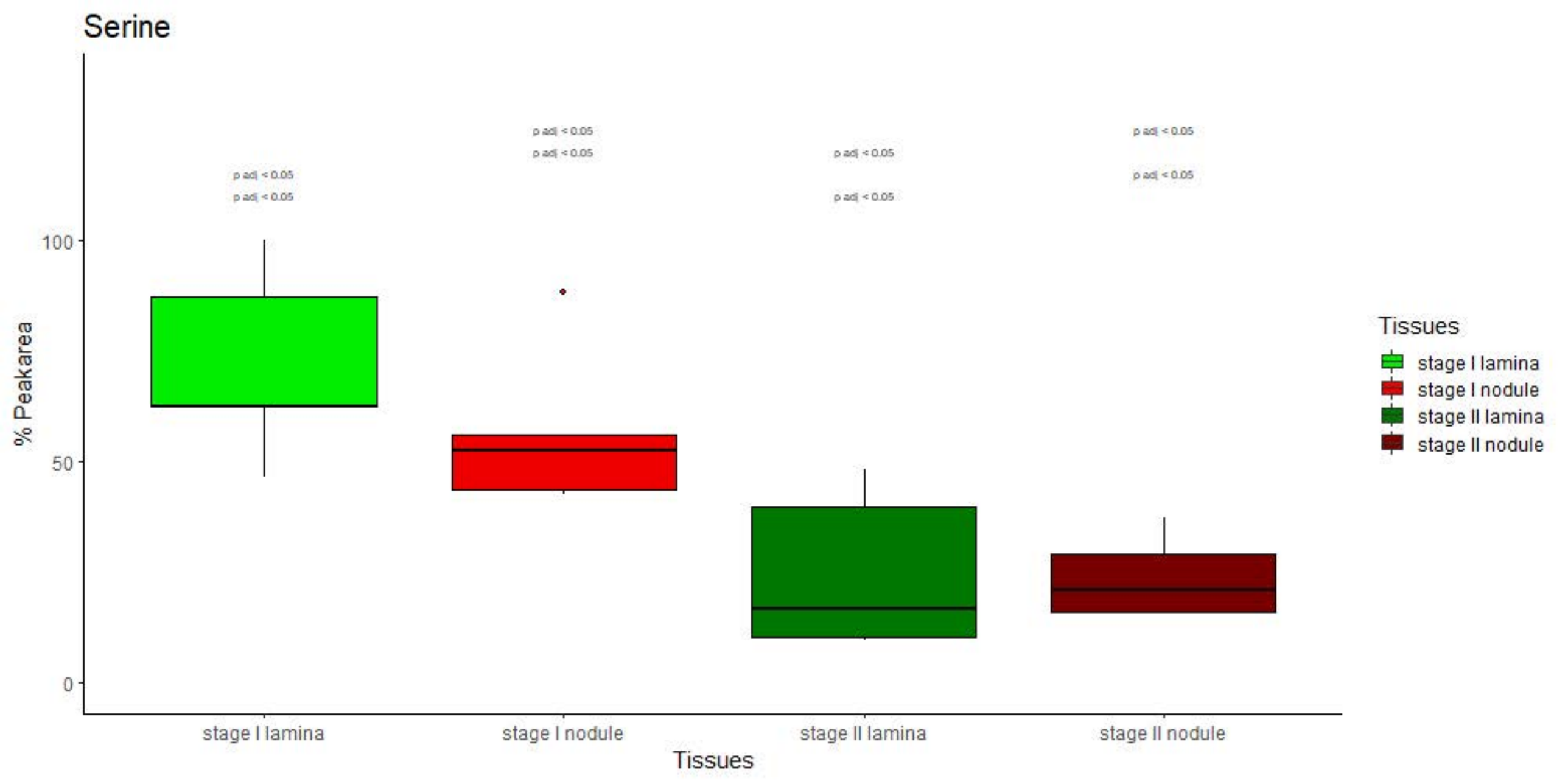
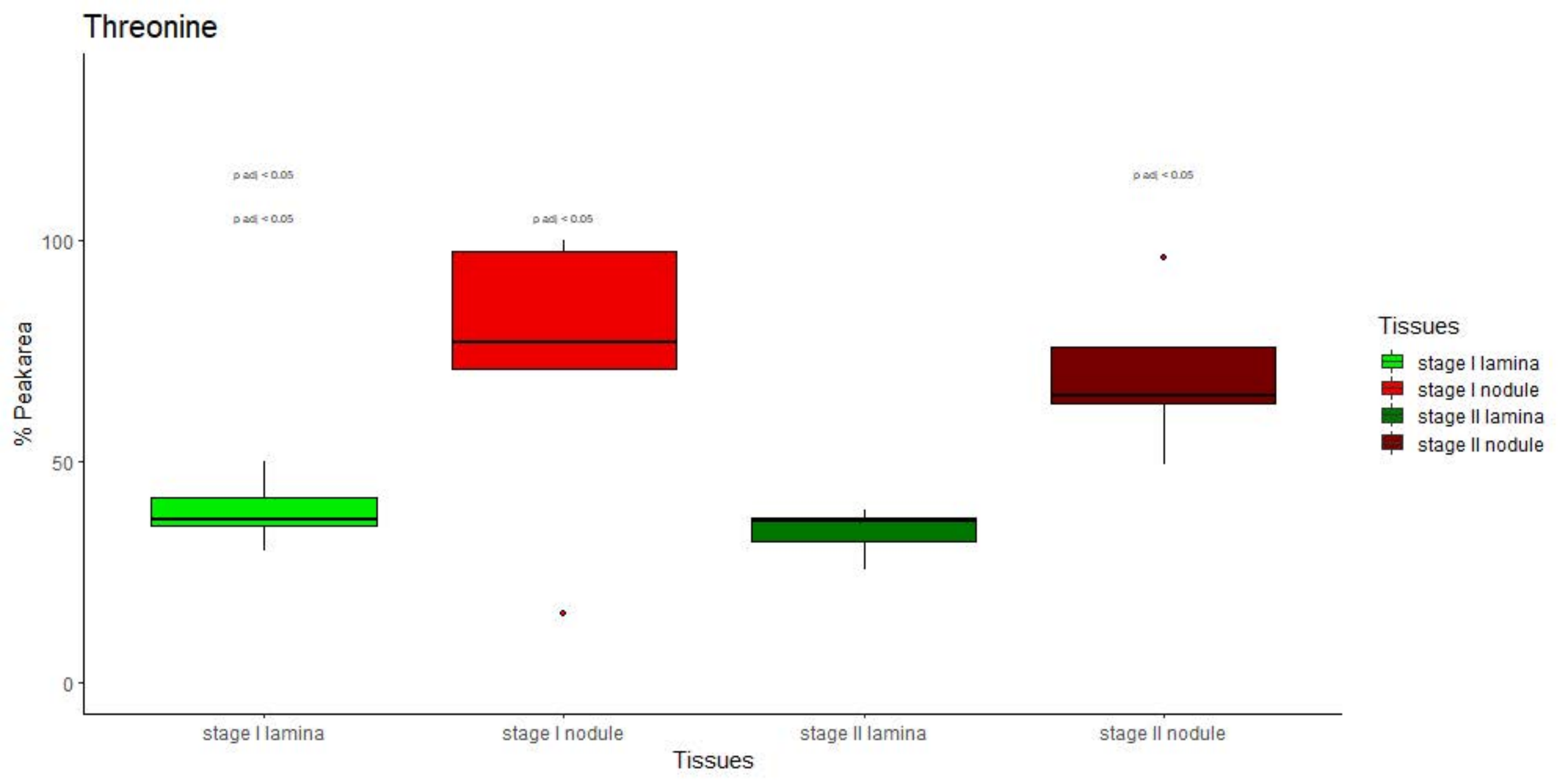
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Inositol-2-phosphate, myo-
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Serine
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Threonine
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
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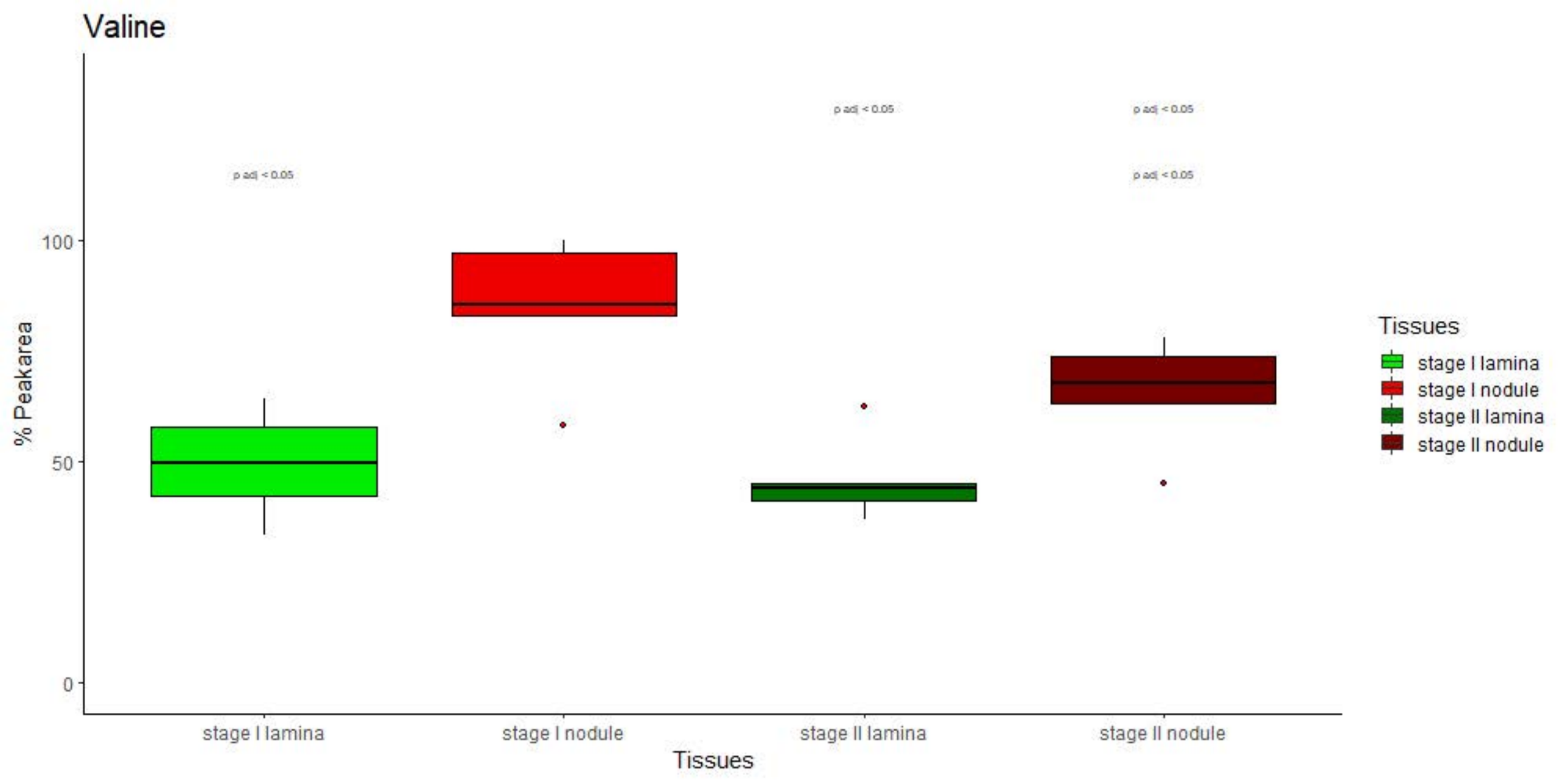
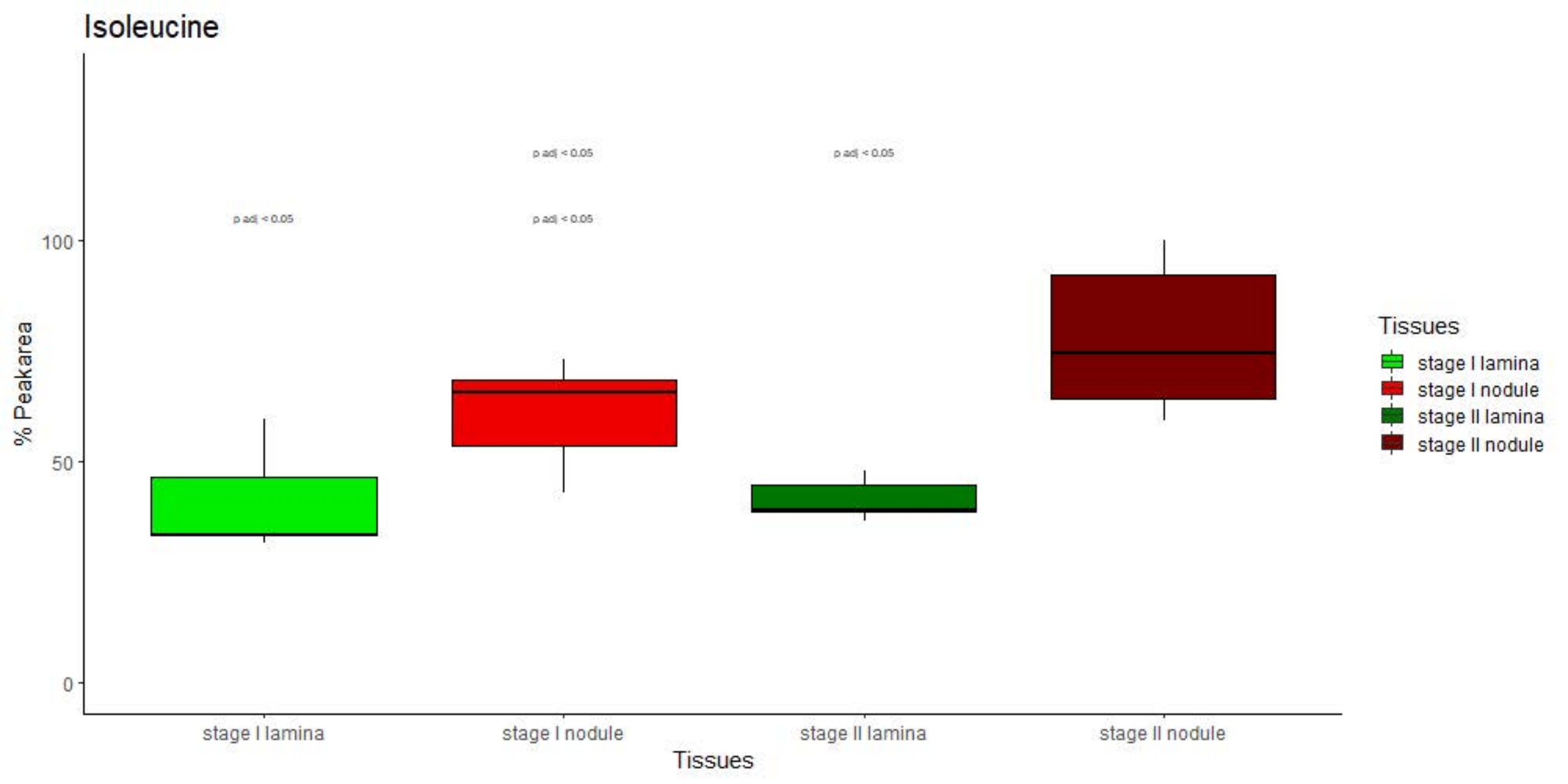
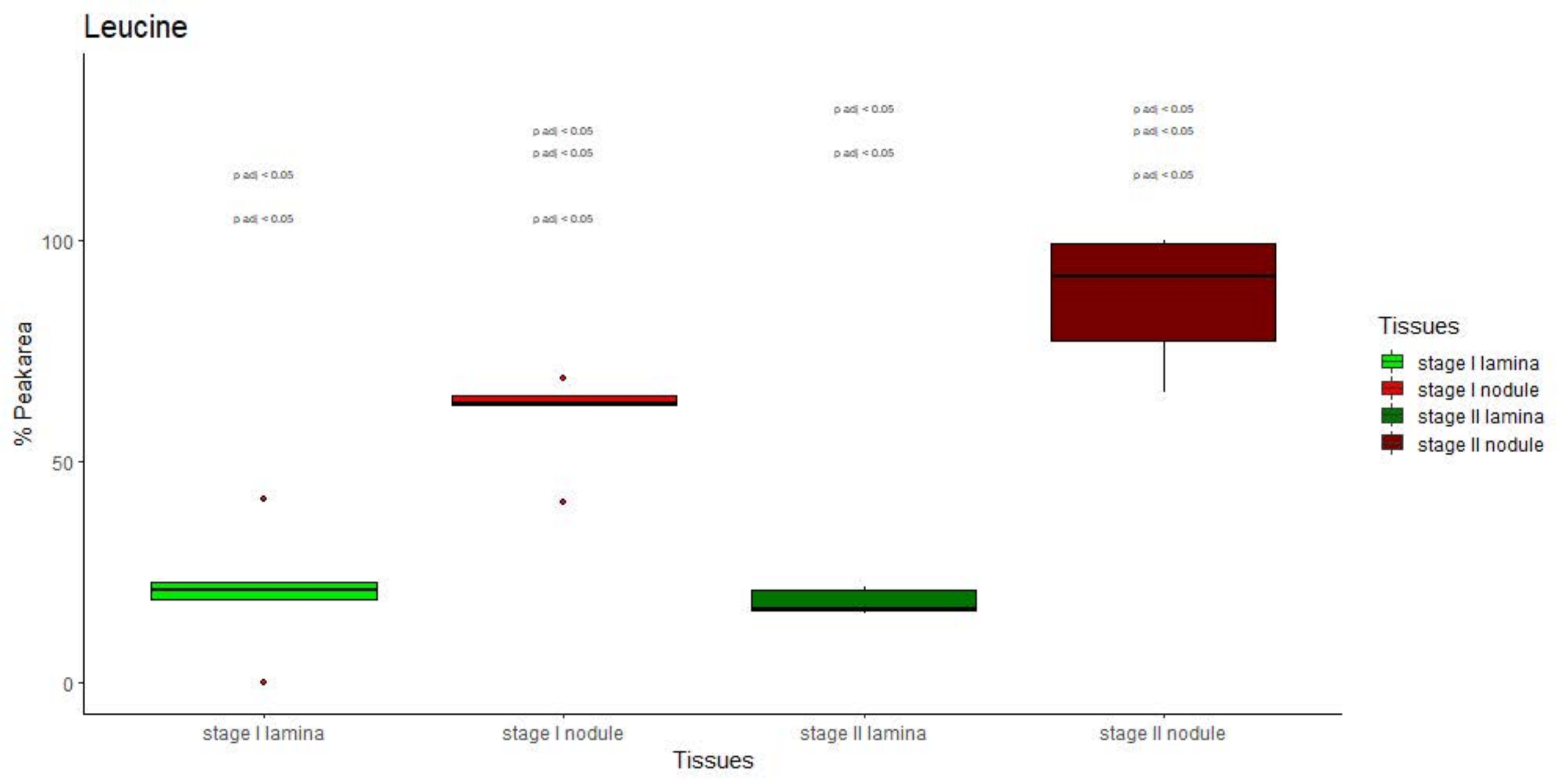
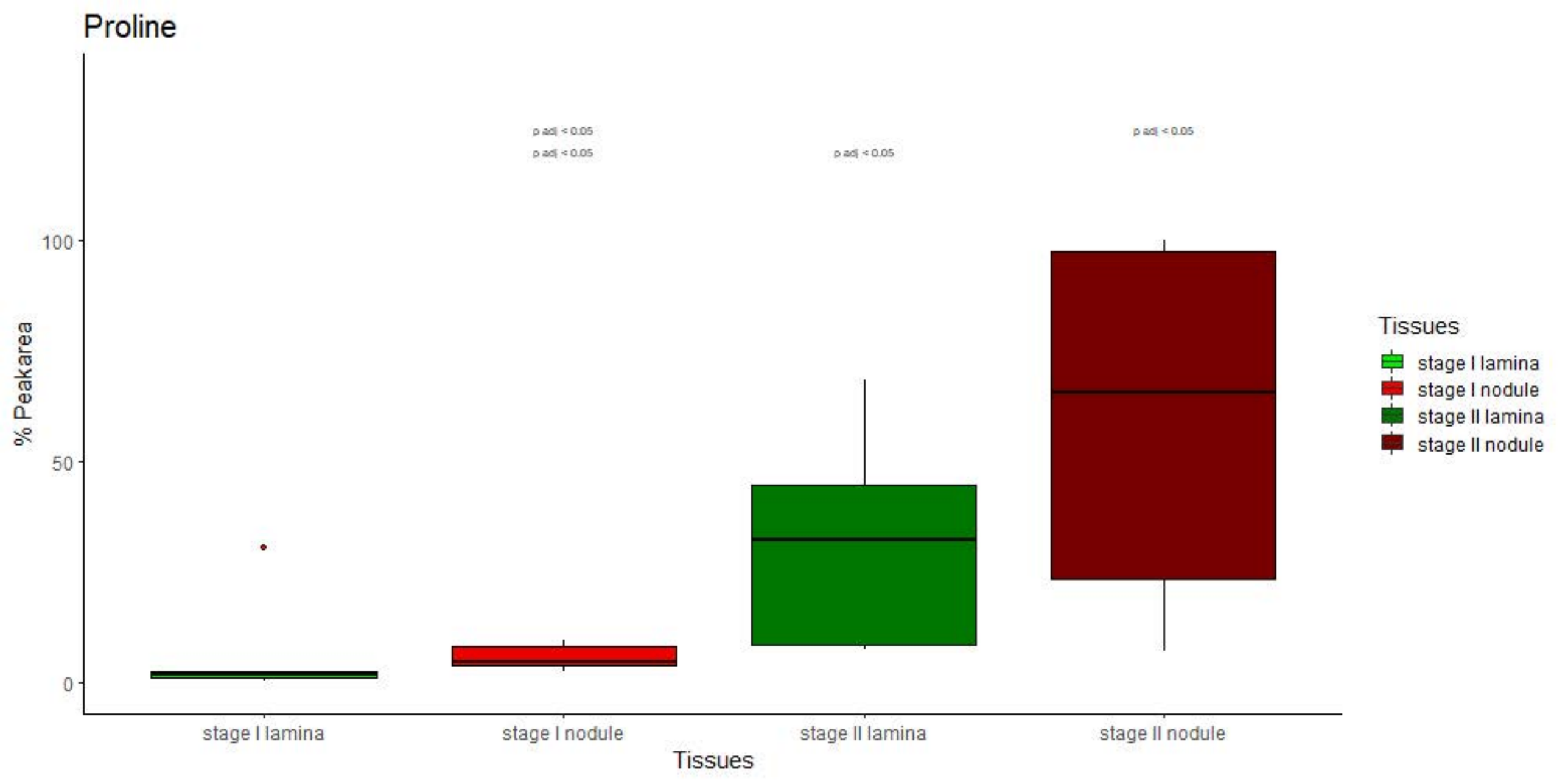
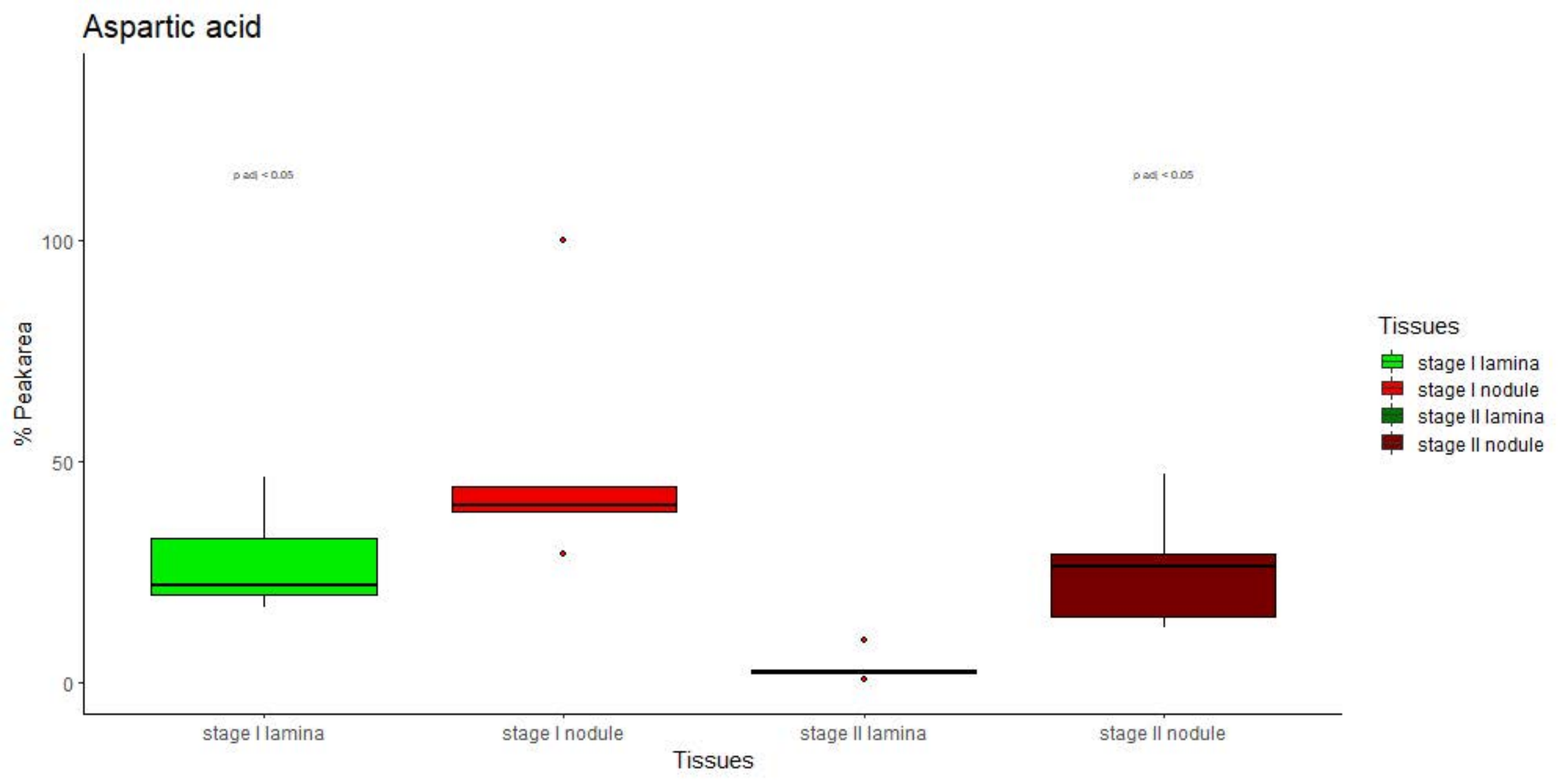
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule

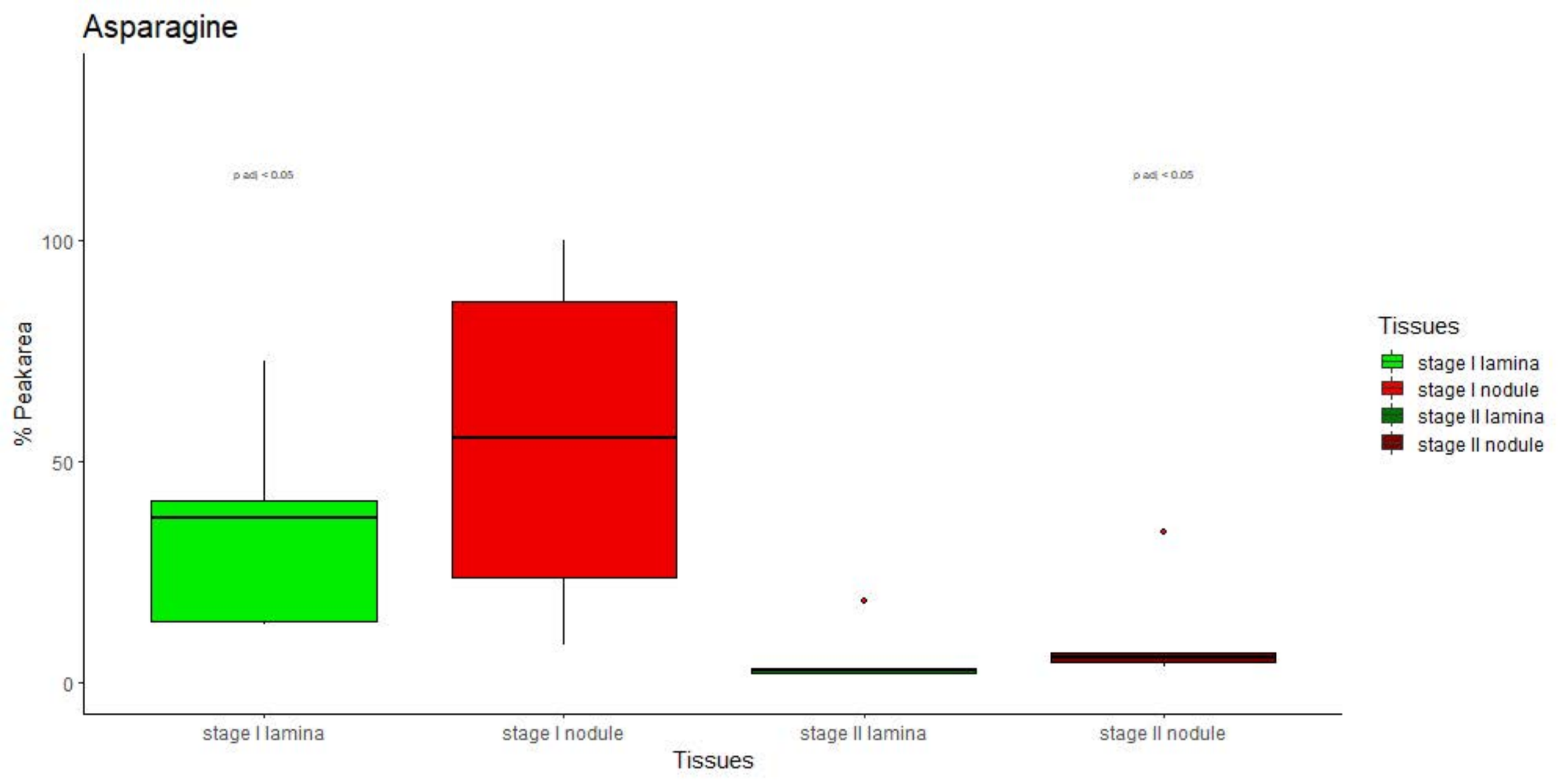

Valine
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Isoleucine
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Leucine
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Proline
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Aspartic acid
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Asparagine
p adj < 0.05
p adj < 0.05
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% Peakarea
stage I lamina
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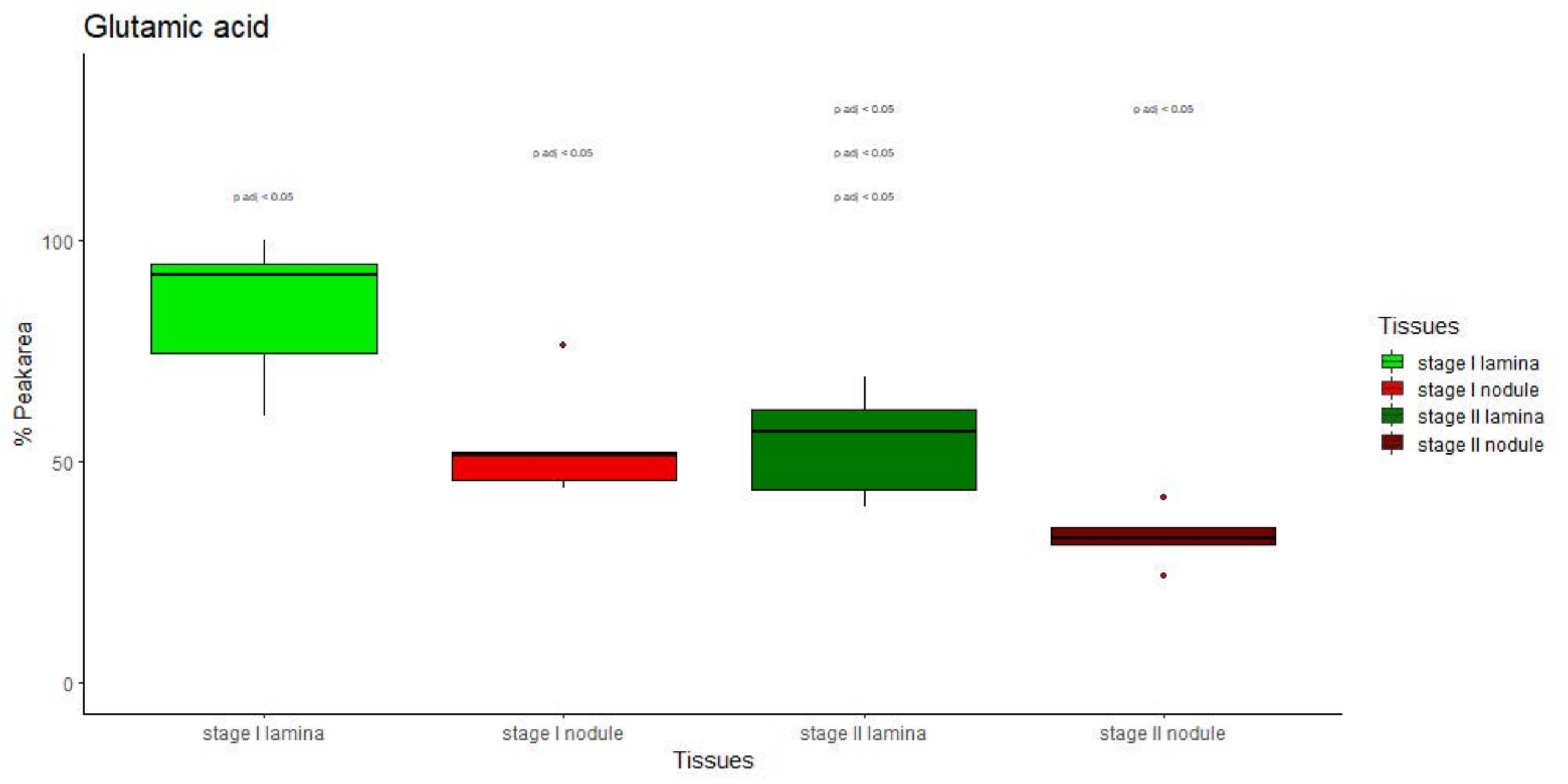
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Glutamic acid
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
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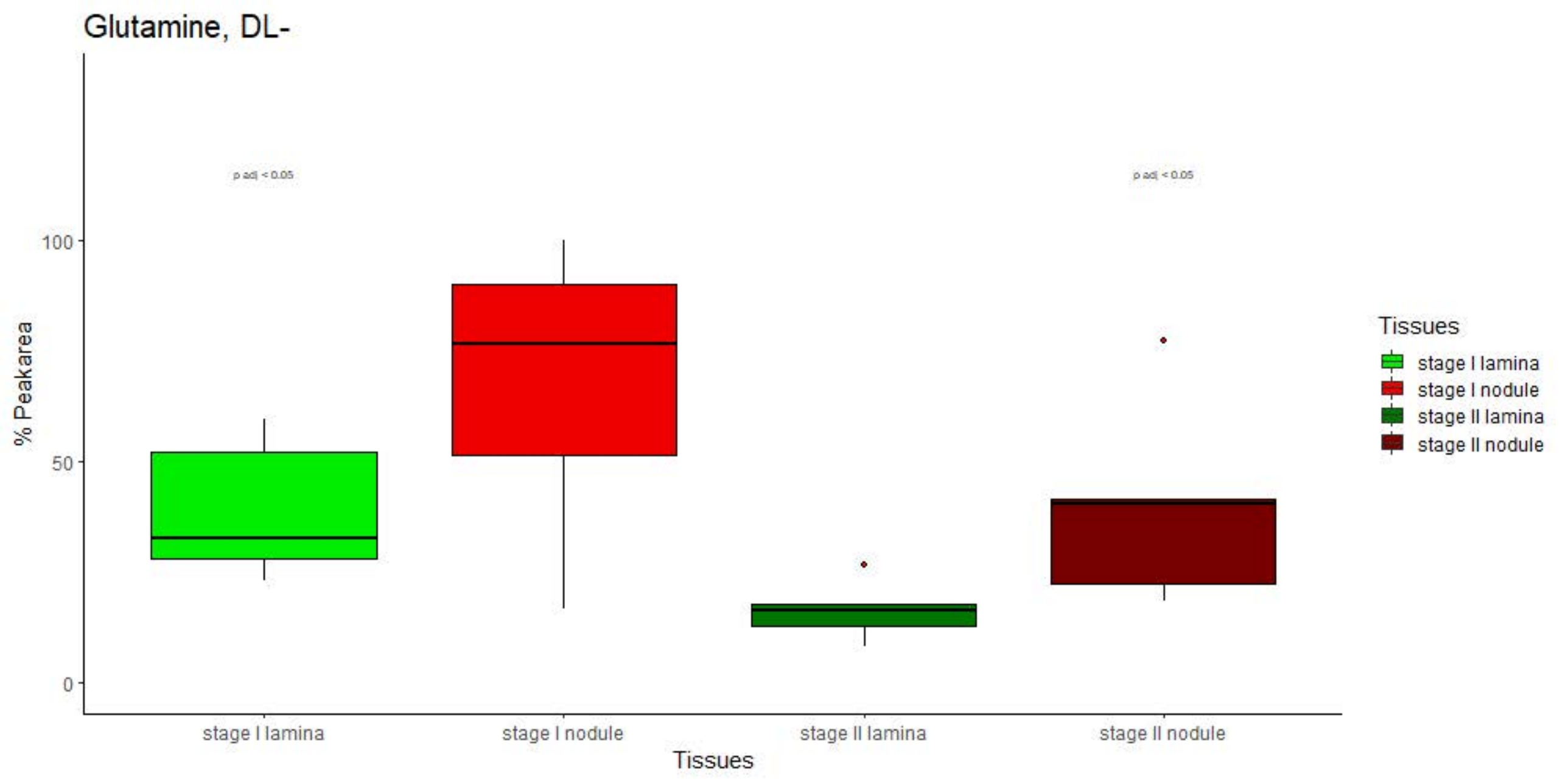
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Glutamine, DL-
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
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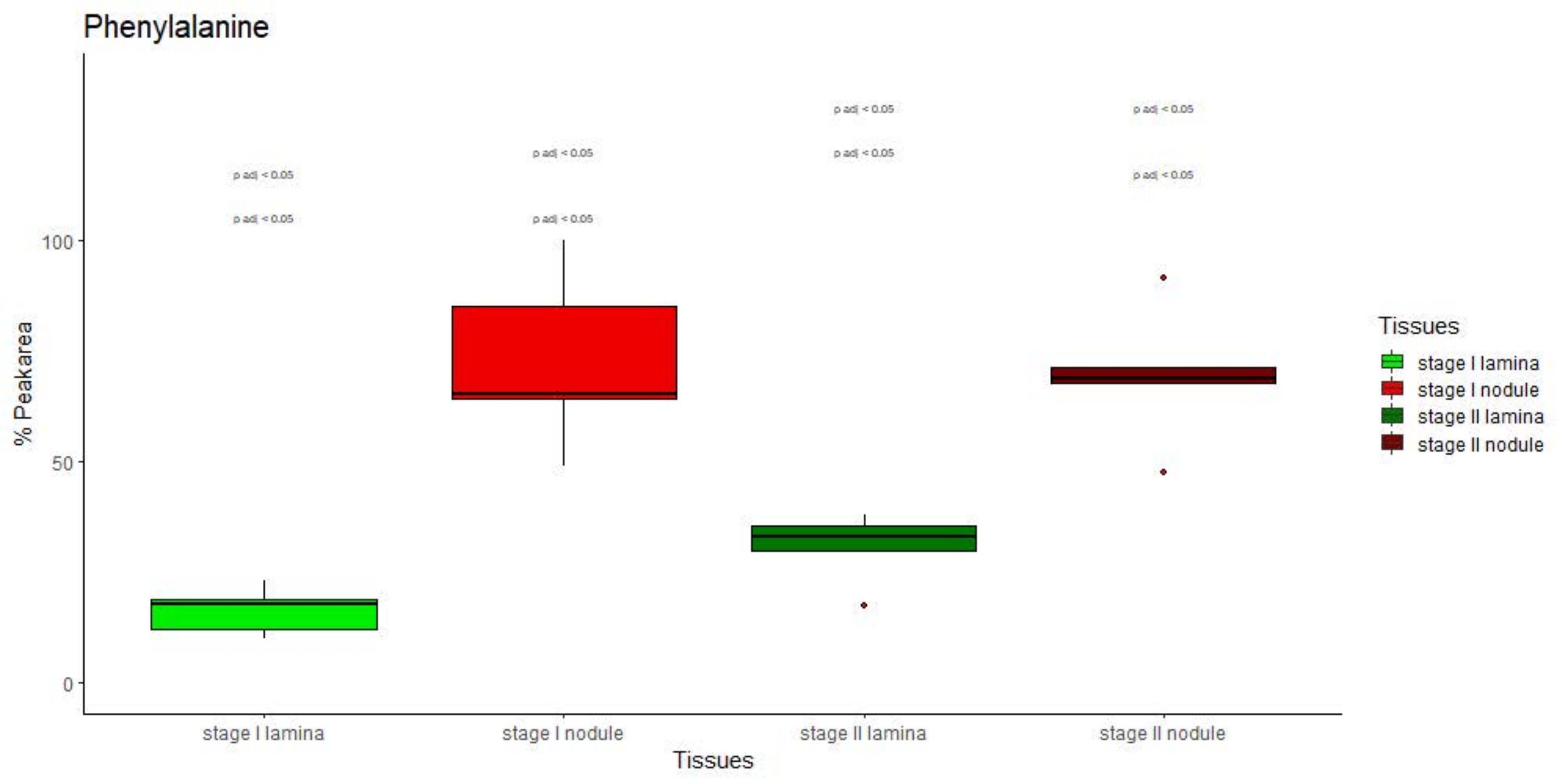
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Phenylalanine
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
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0
% Peakarea
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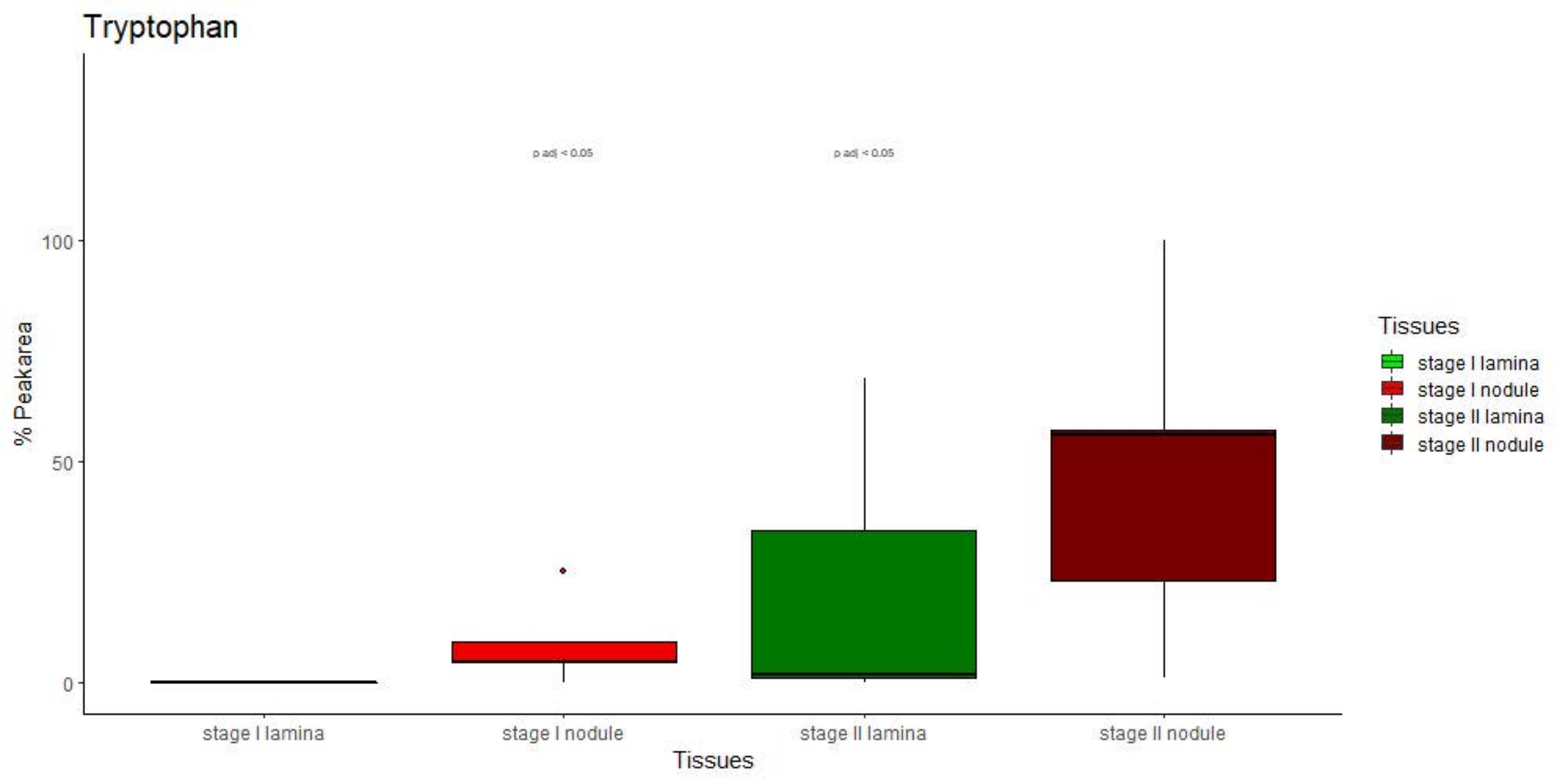
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Tryptophan
p adj < 0.05
p adj < 0.05
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50
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% Peakarea
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stage II lamina
stage II nodule
Tissues
Tissues
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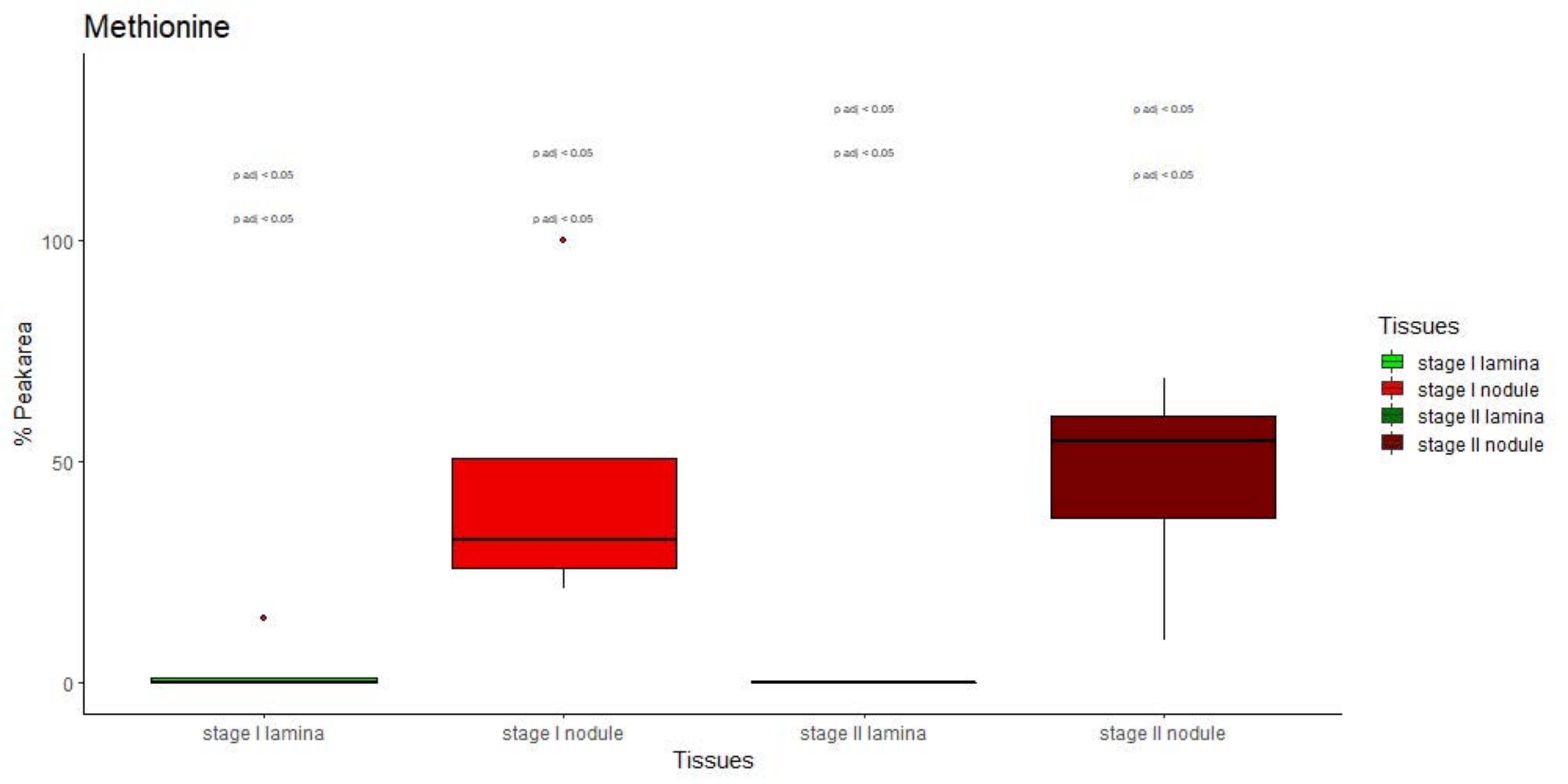
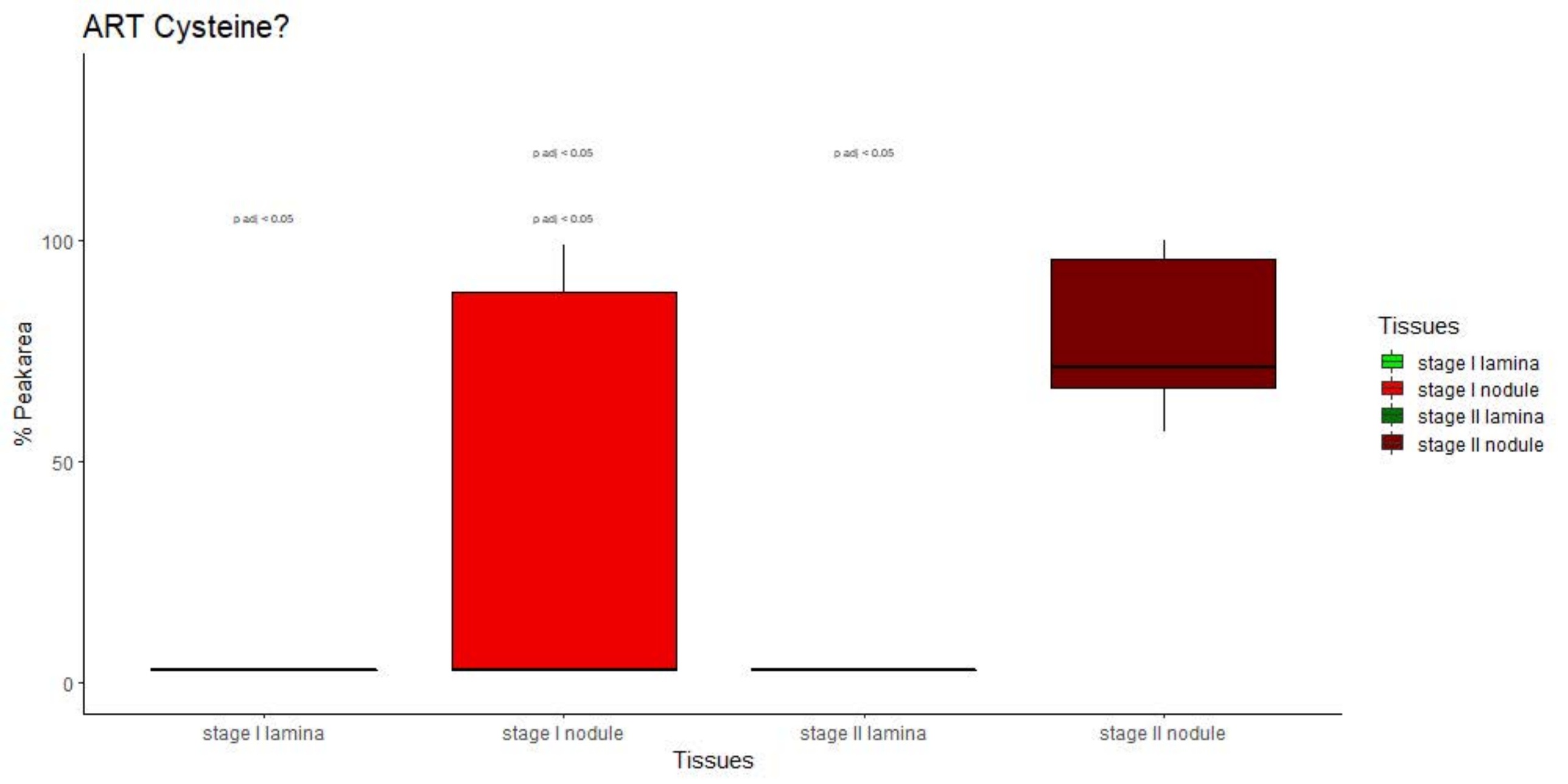
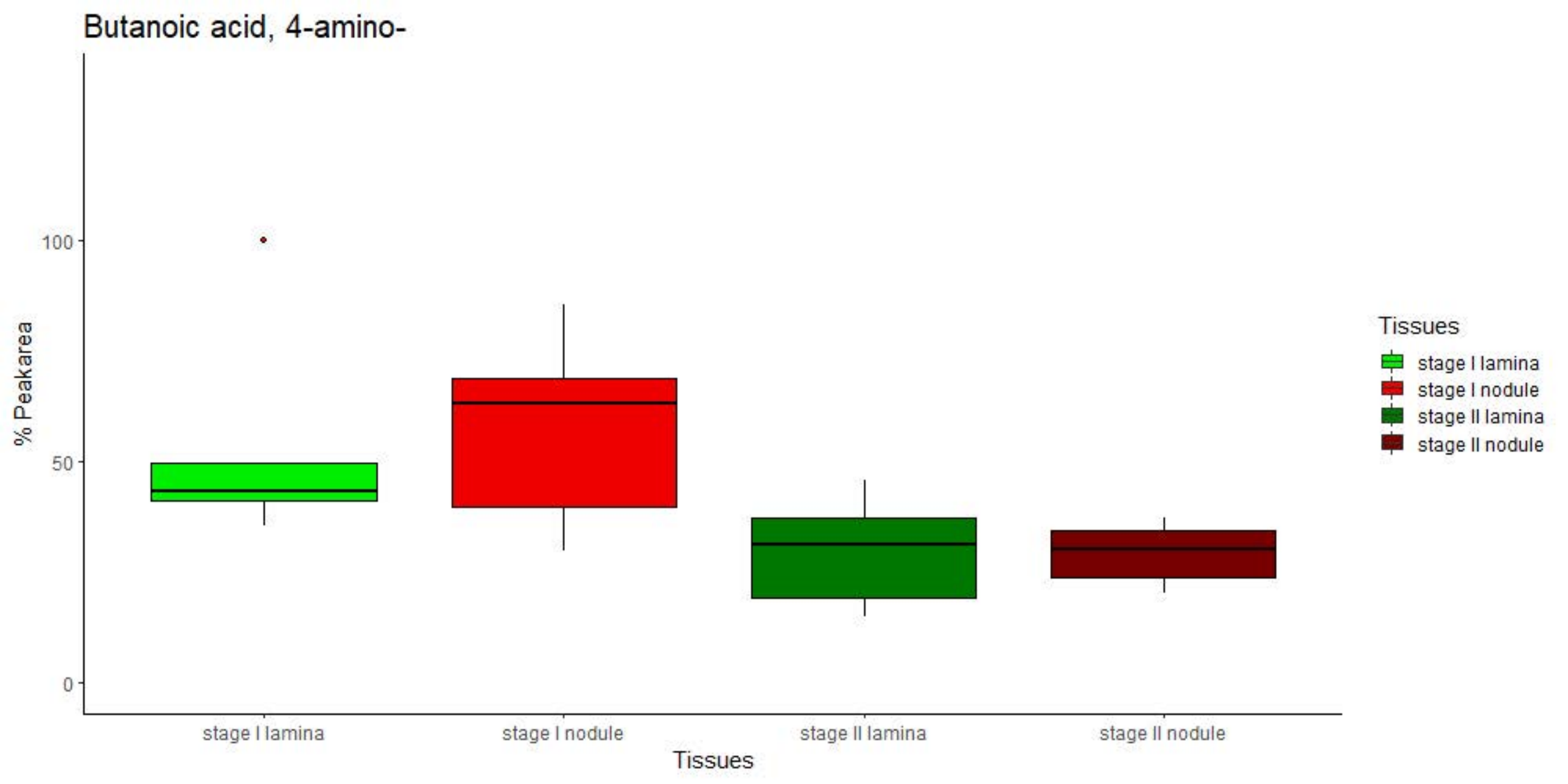
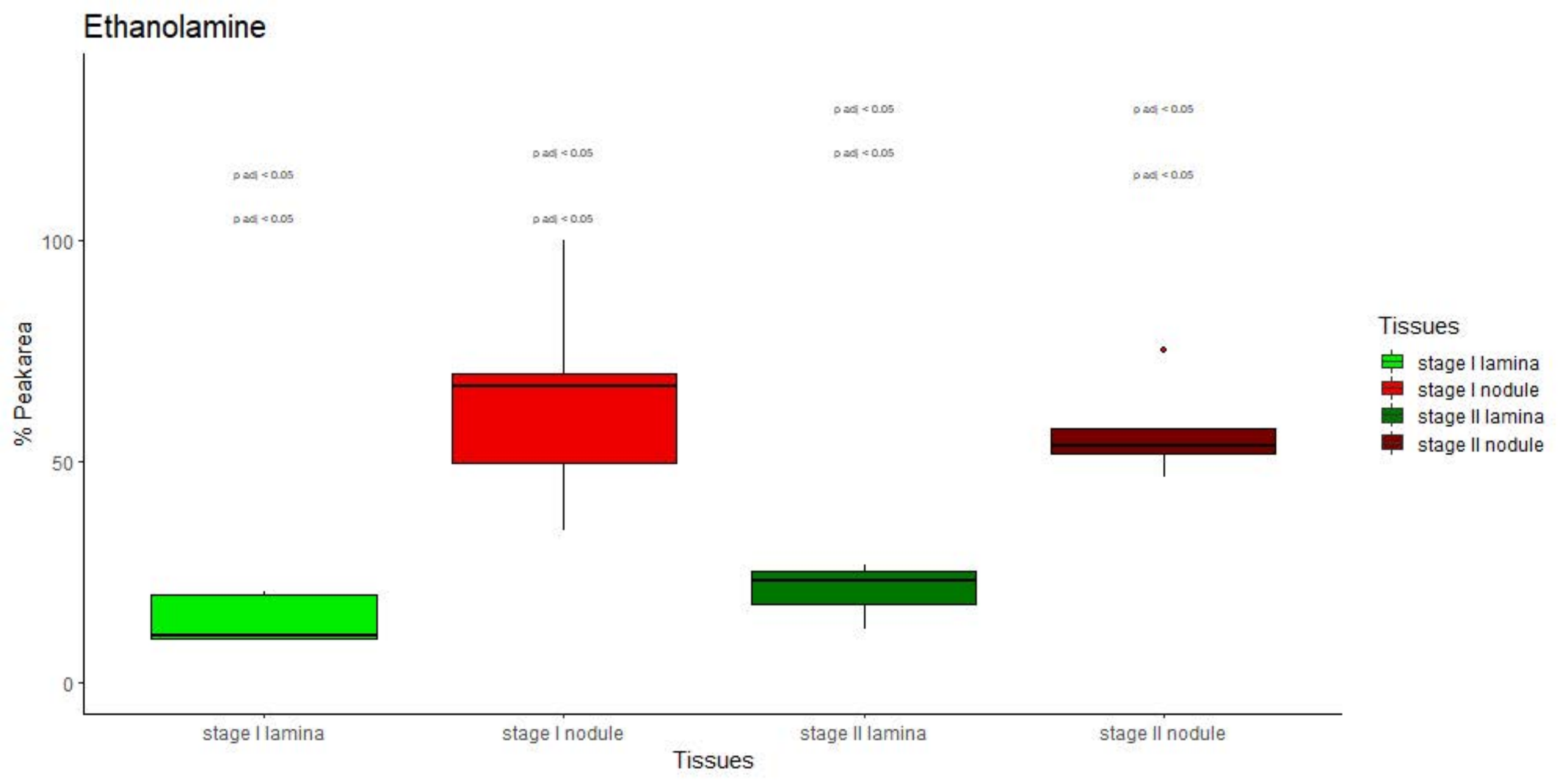
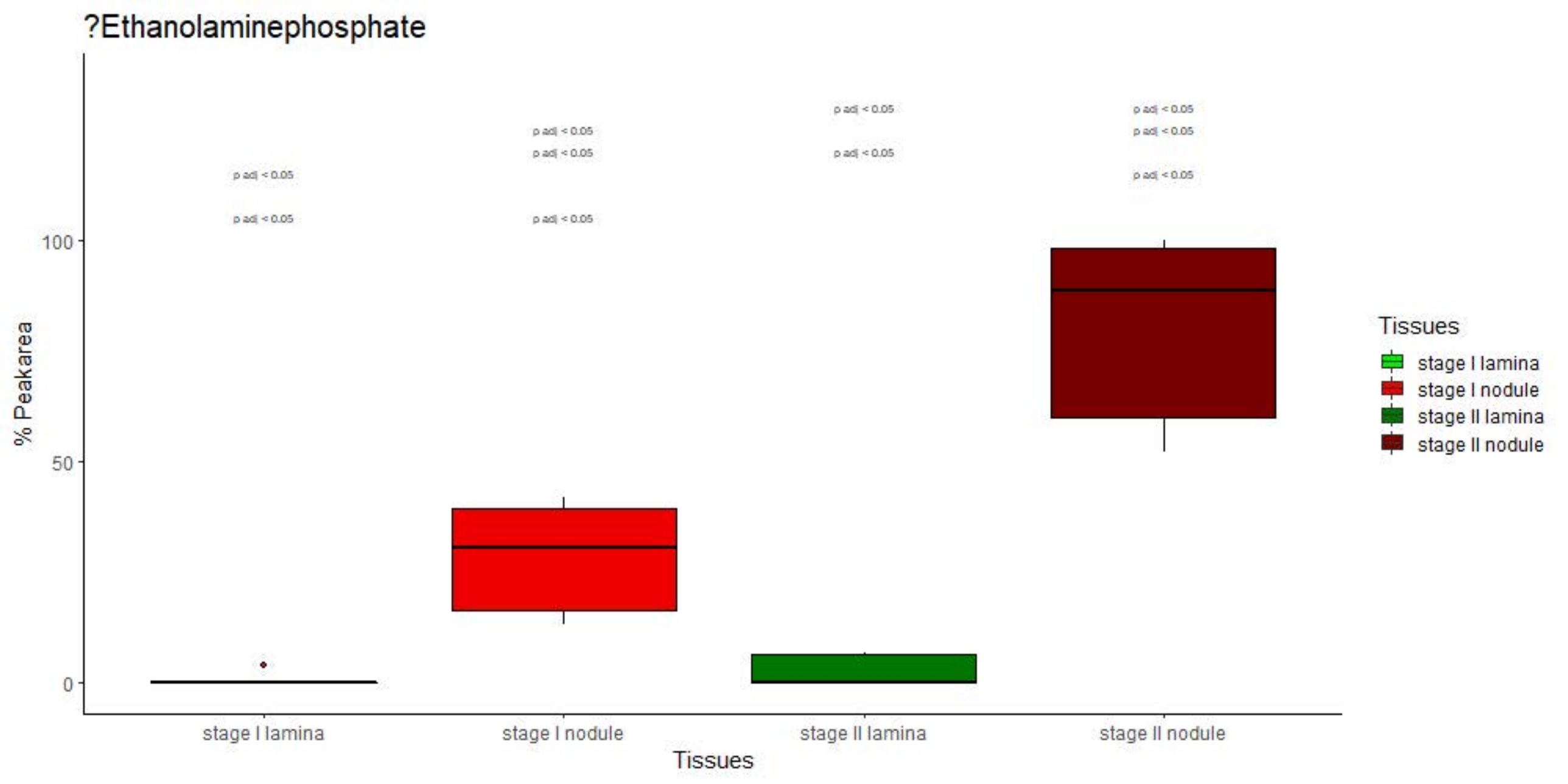
stage I nodule
stage II lamina
stage II nodule

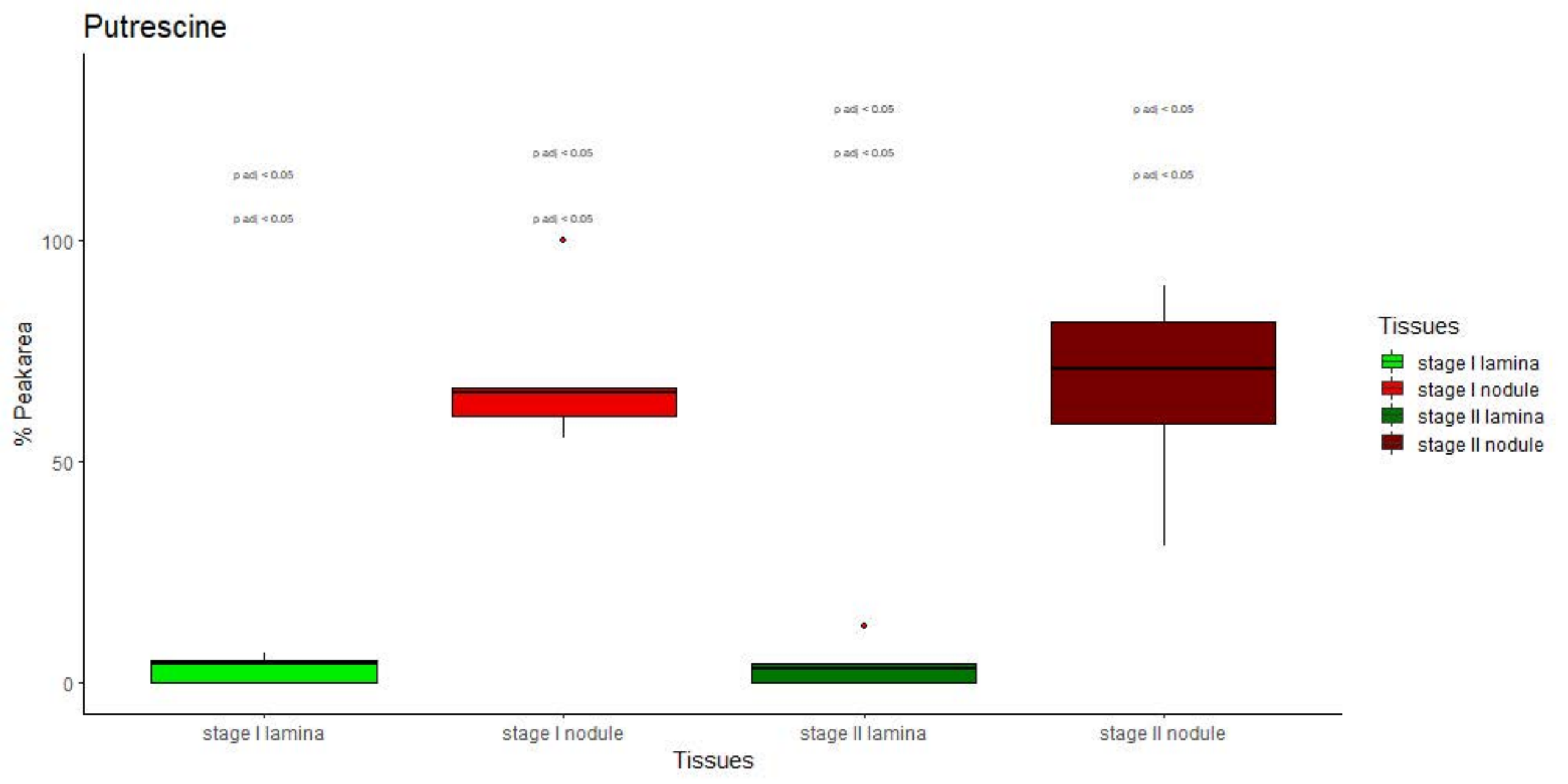

Methionine
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule

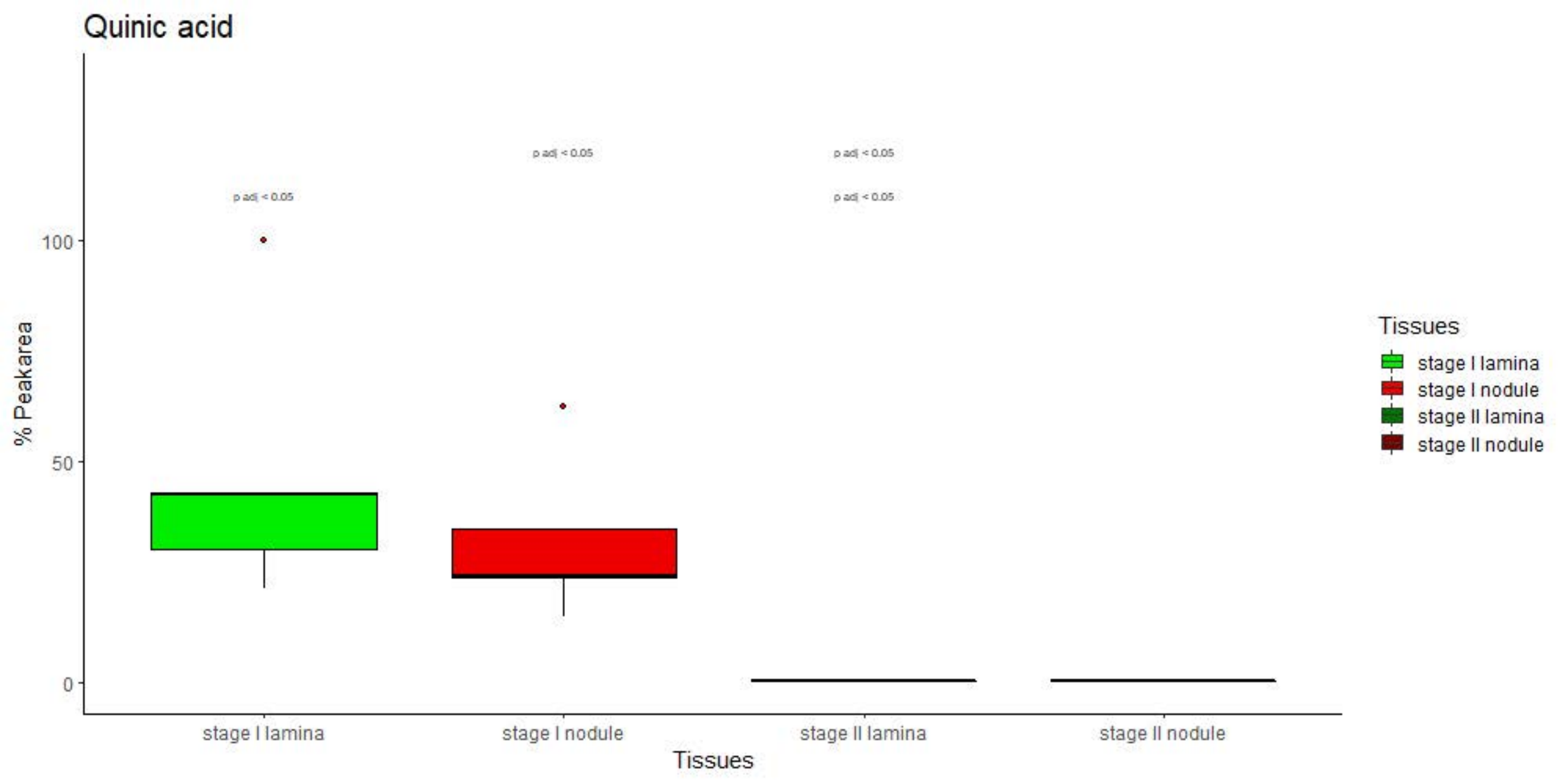

ART Cysteine?
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule

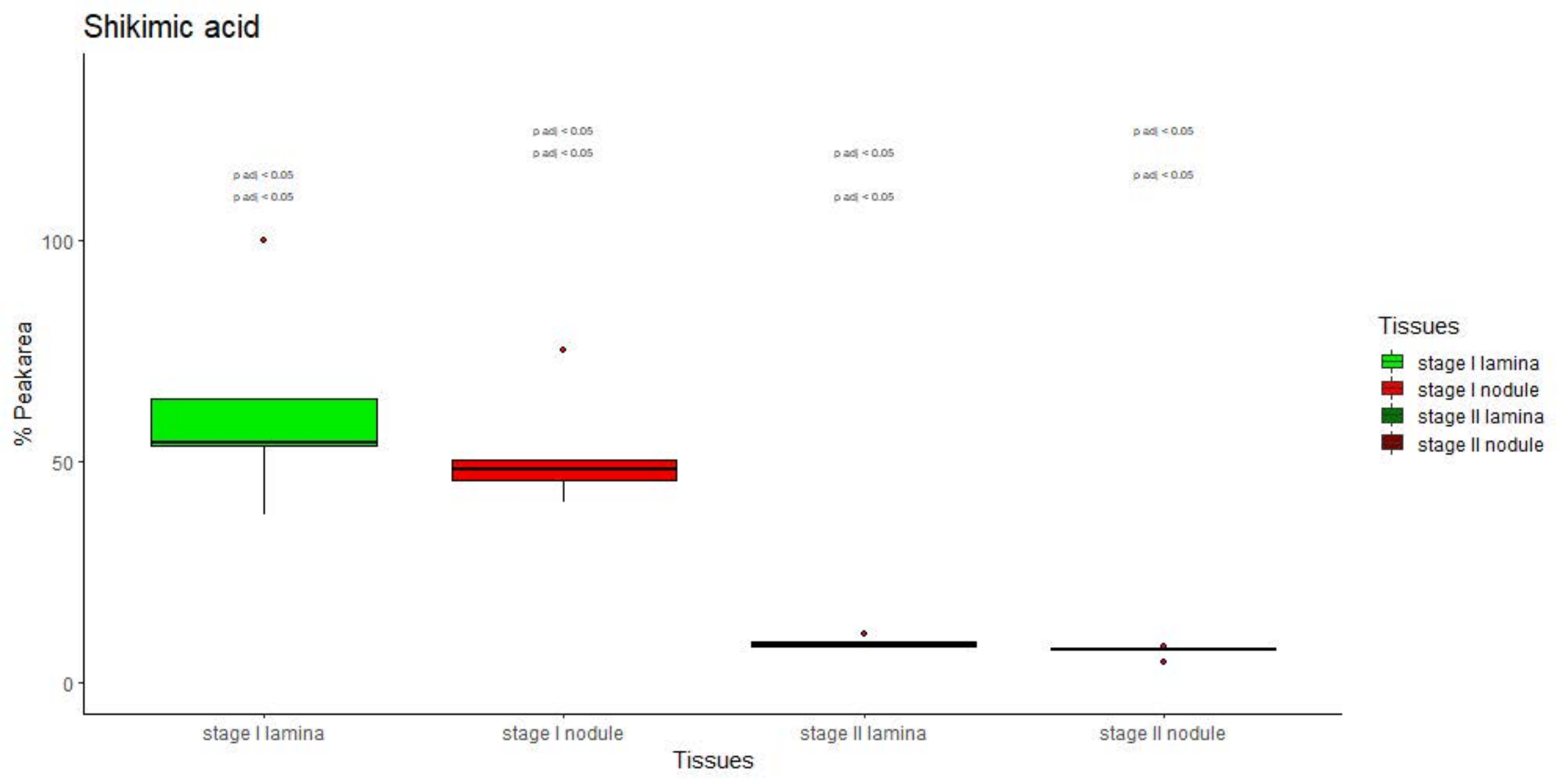

Butanoic acid, 4-amino-
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule

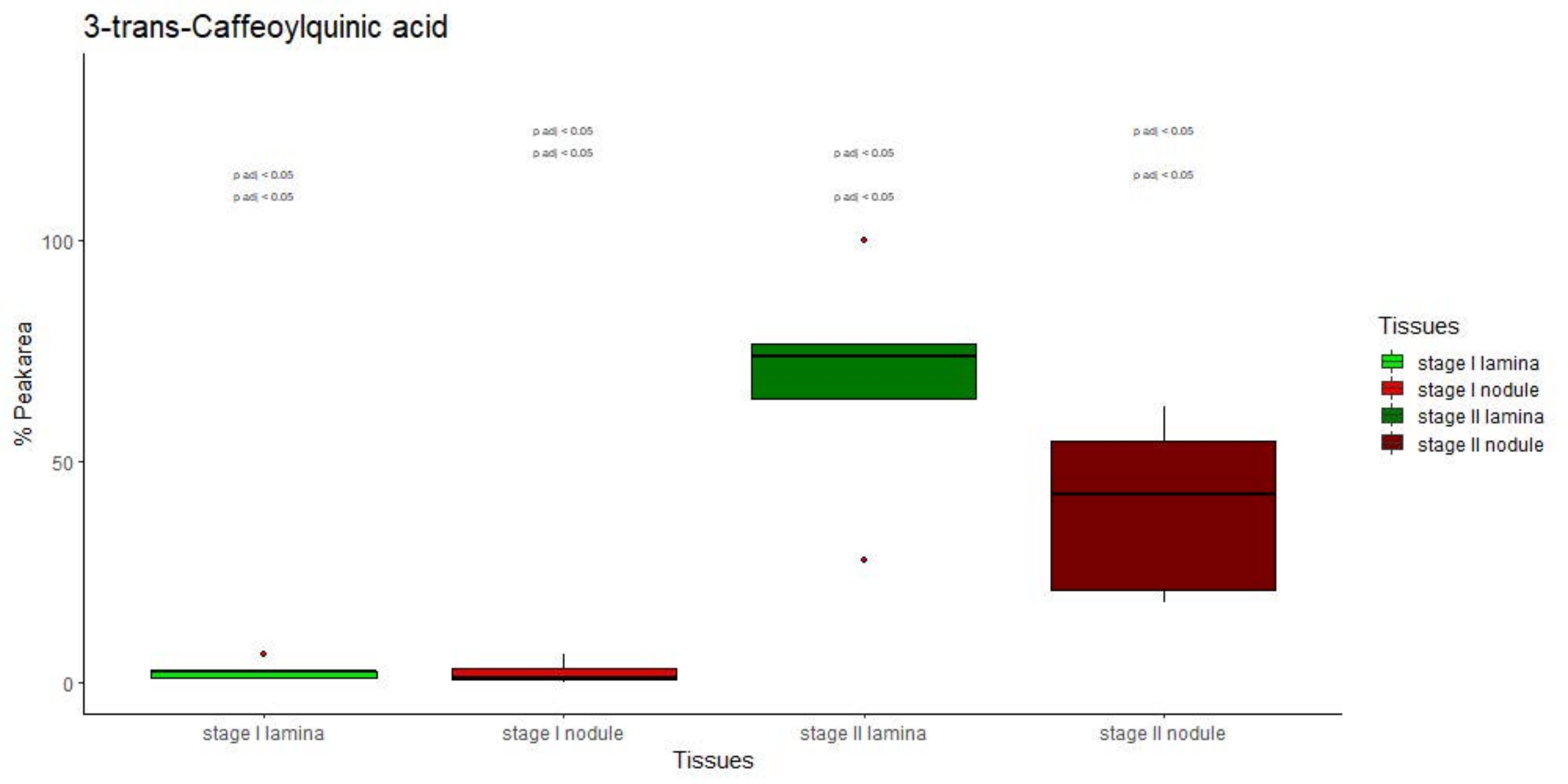

Ethanolamine
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule

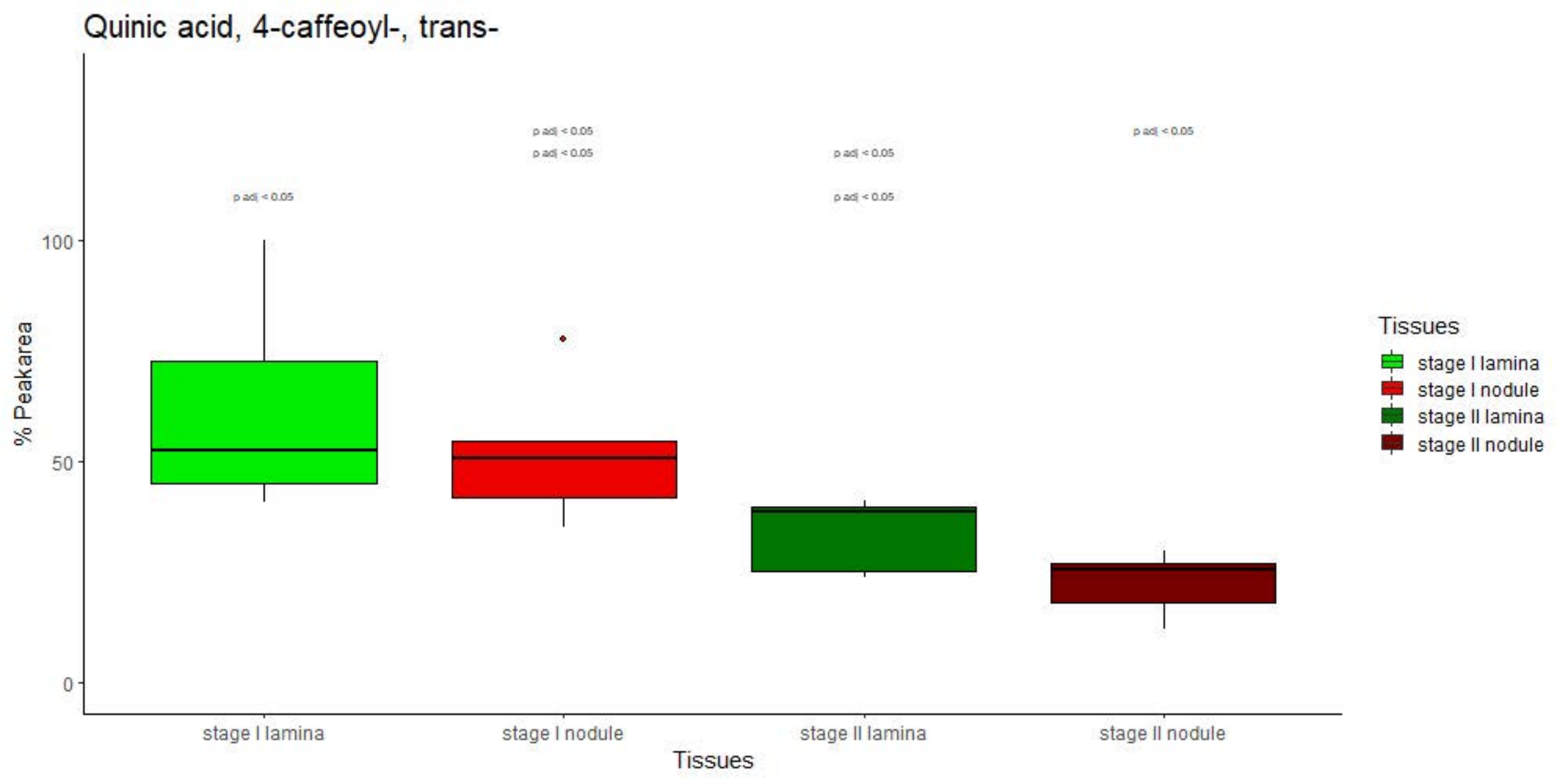

?Ethanolaminephosphate
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule

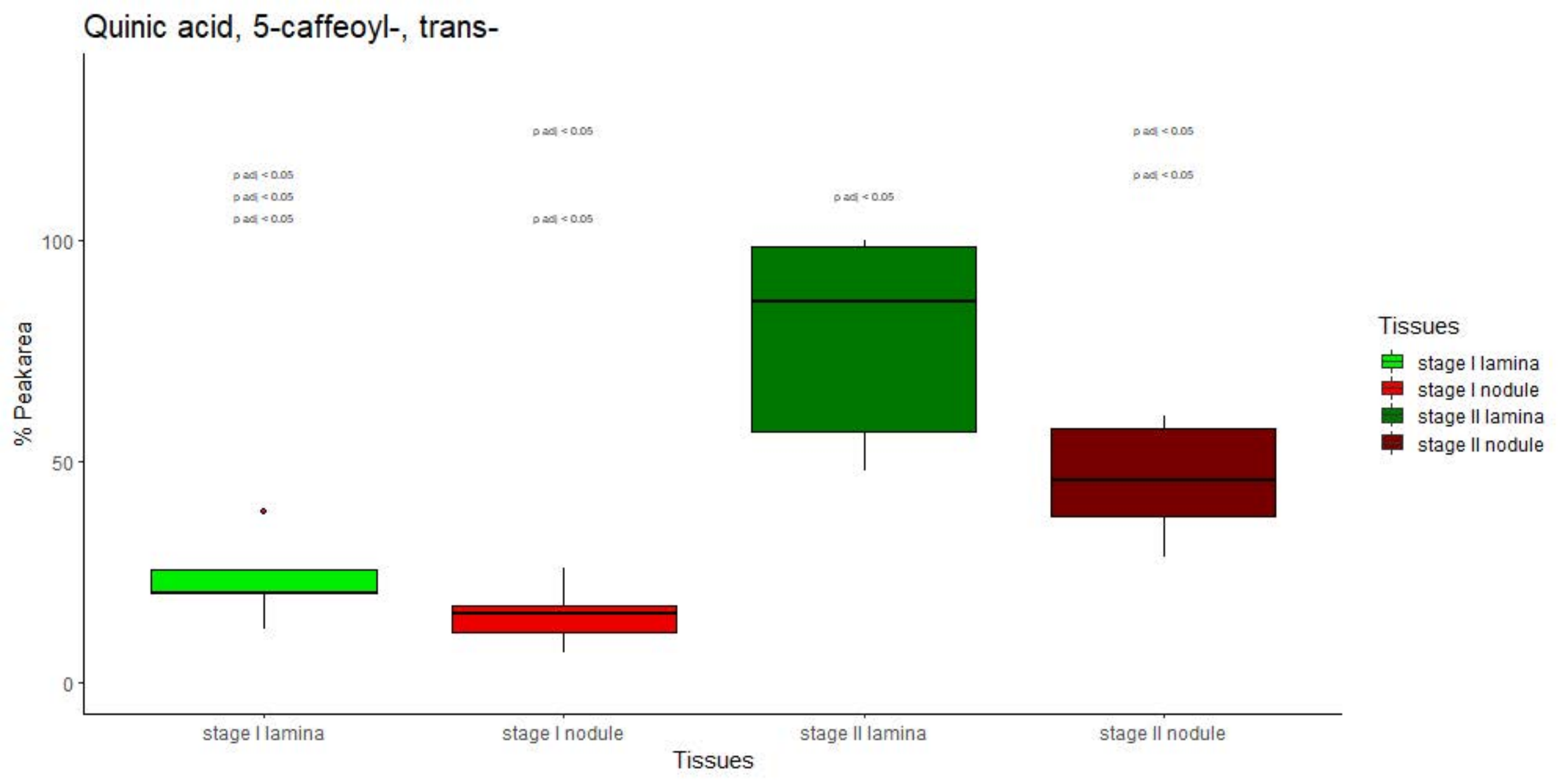

Putrescine
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule

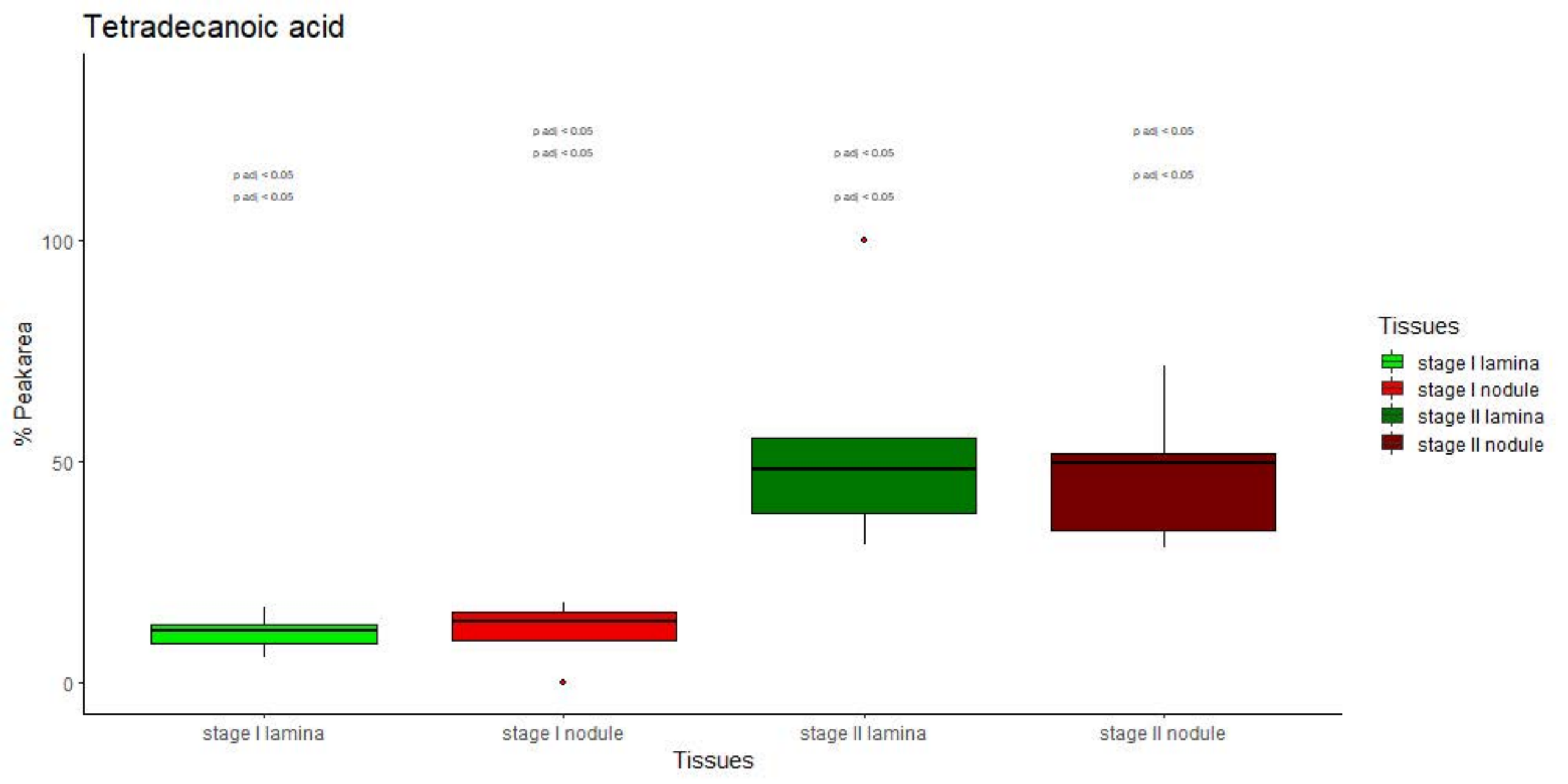

Quinic acid
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Shikimic acid
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


3-trans-Caffeoylquinic acid
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Quinic acid, 4-caffeoyl-, trans-
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Quinic acid, 5-caffeoyl-, trans-
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Tetradecanoic acid
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
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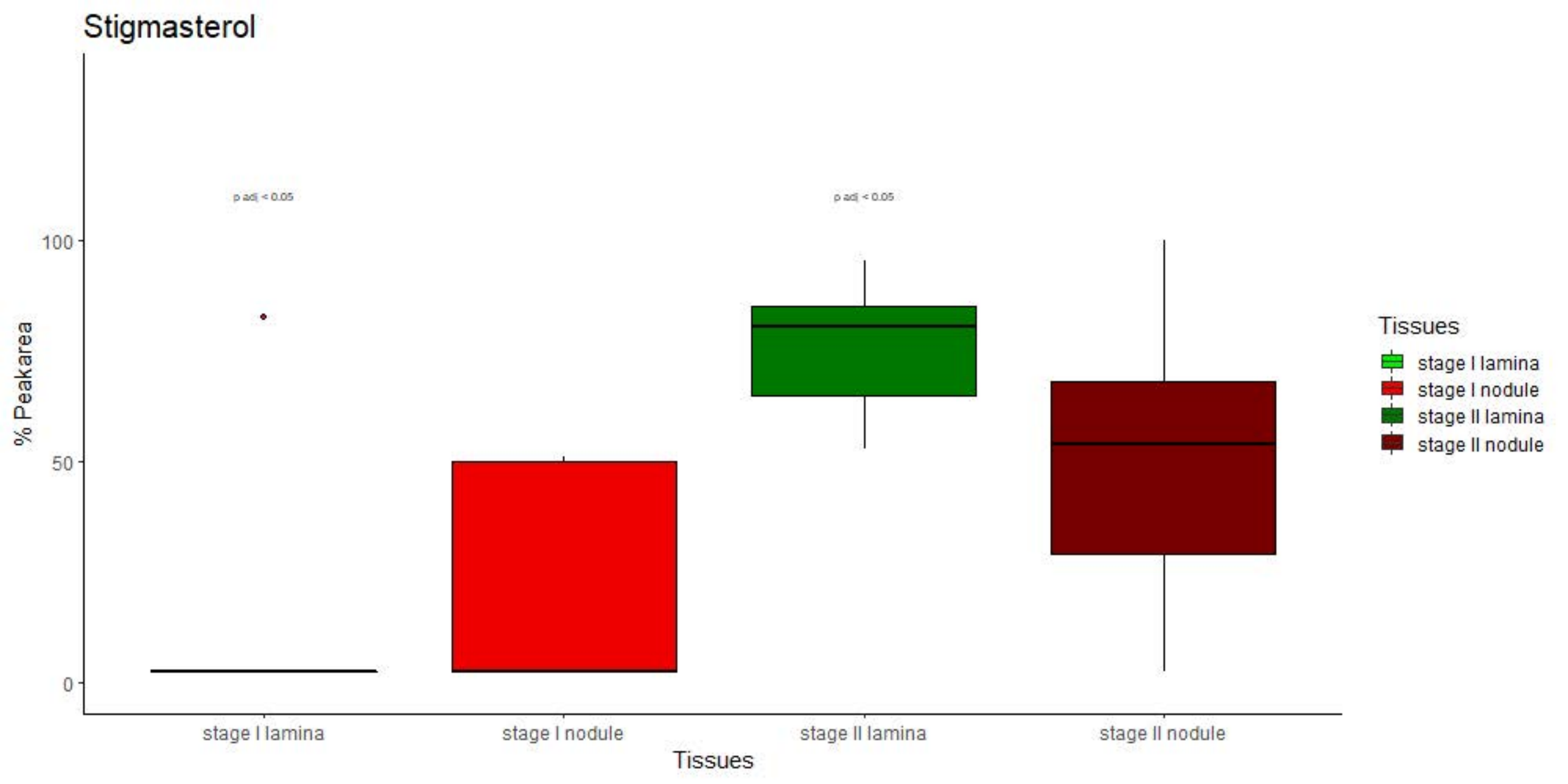
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Stigmasterol
p adj < 0.05
p adj < 0.05
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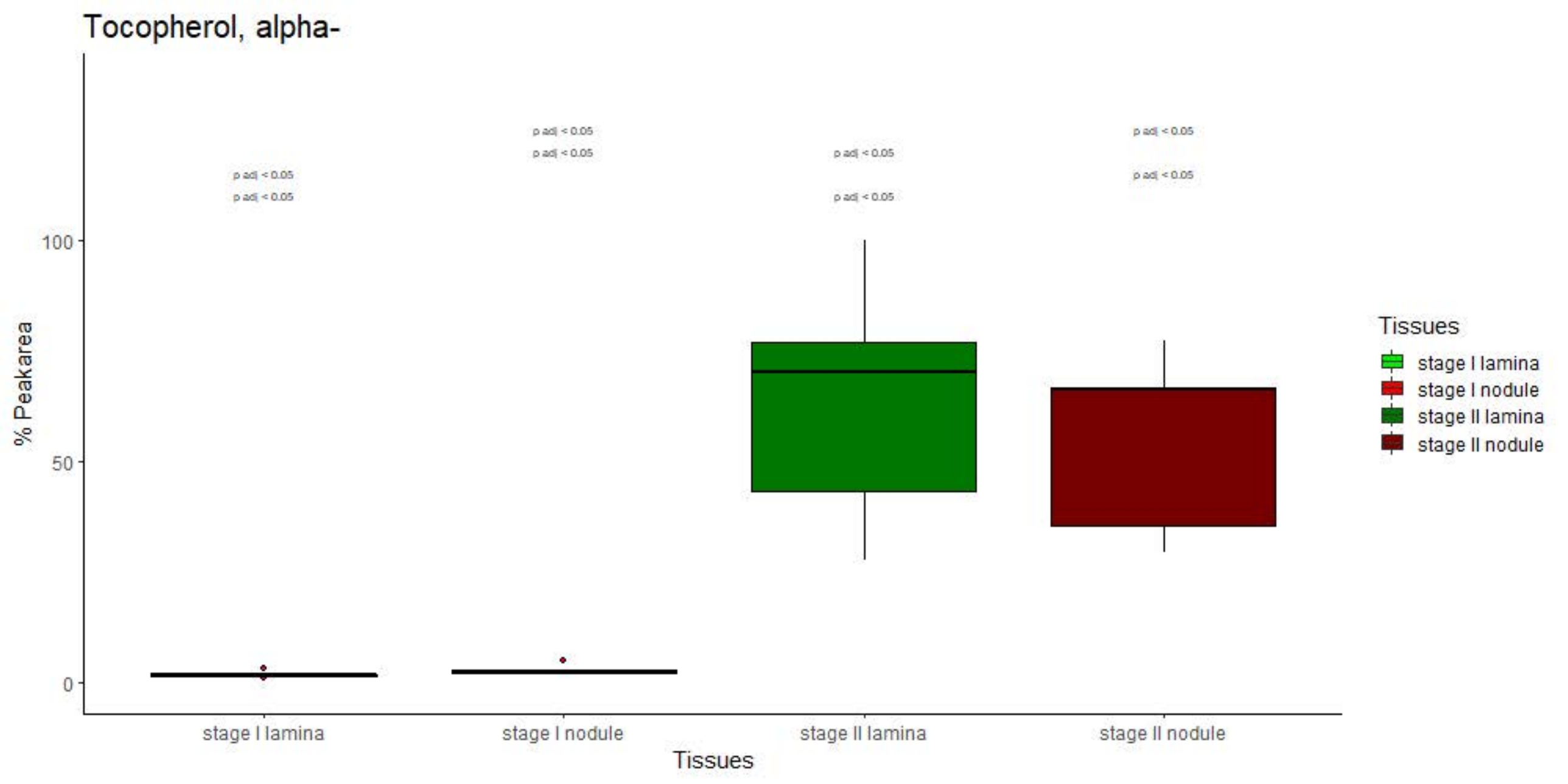
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


Tocopherol, alpha-
p adj < 0.05
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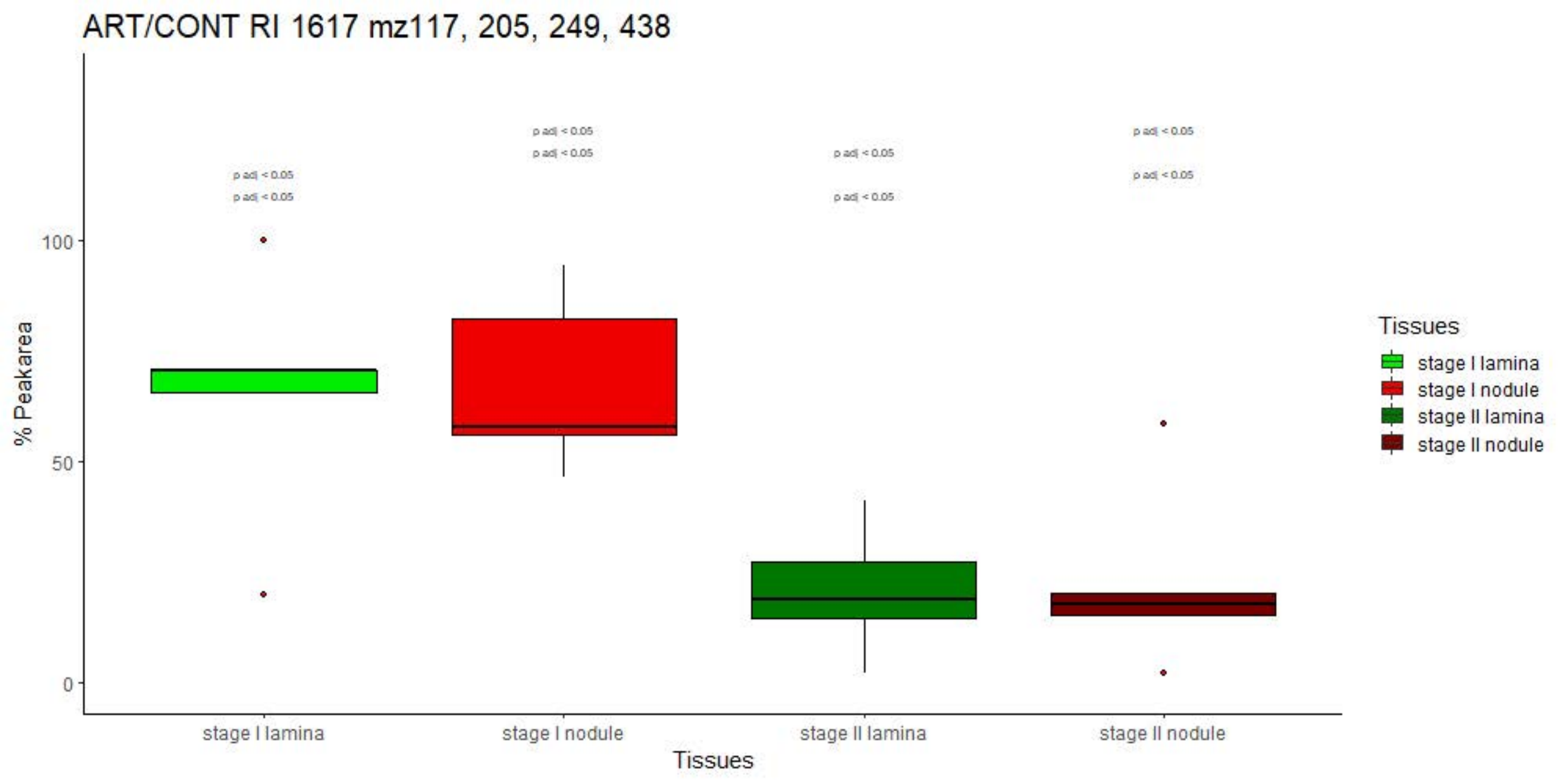
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


ART/CONT RI 1617 mz117, 205, 249, 438
p adj < 0.05
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p adj < 0.05
p adj < 0.05
p adj < 0.05
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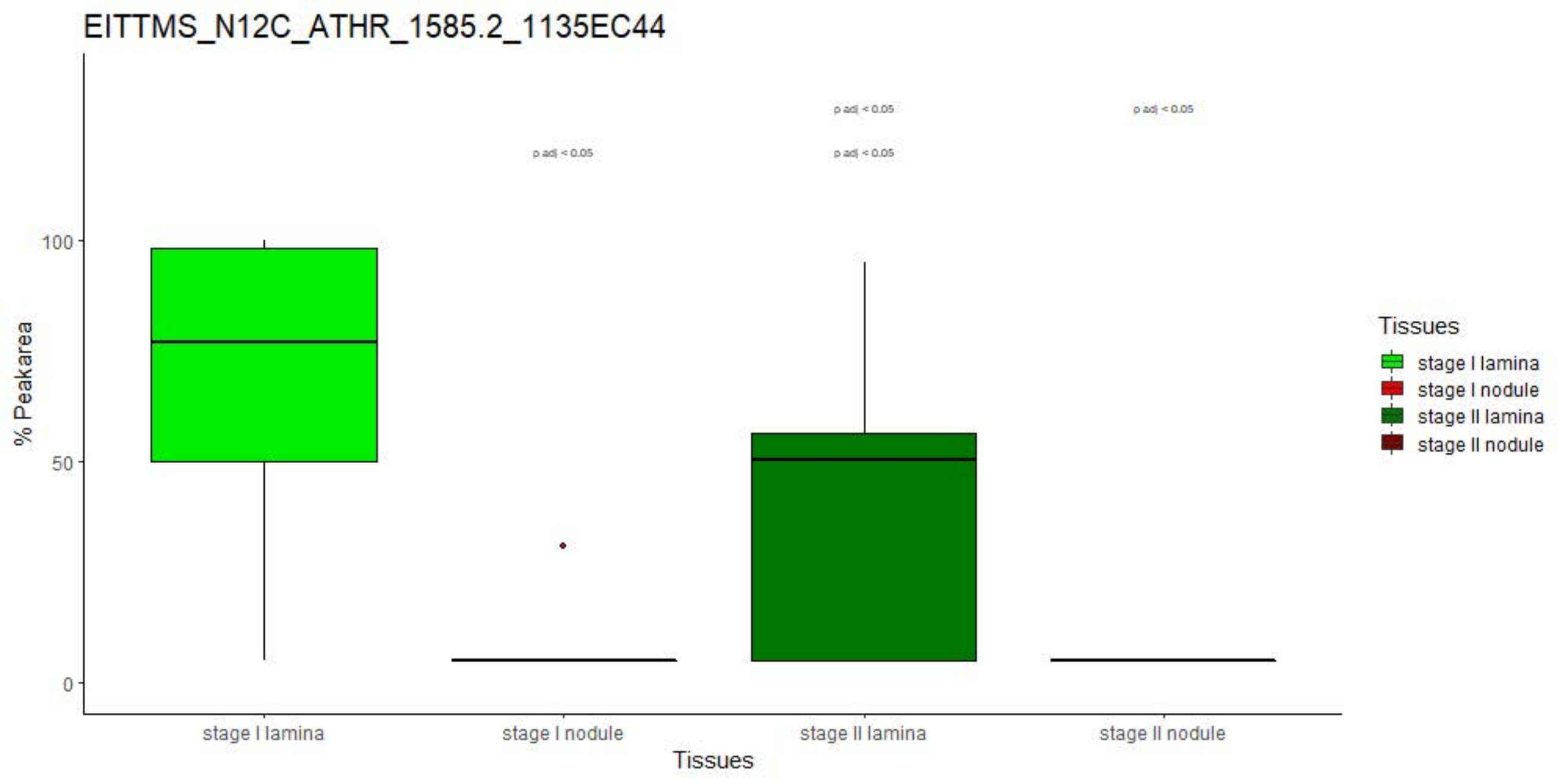
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


EITTMS_N12C_ATHR_1585.2_1135EC44
p adj < 0.05
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p adj < 0.05
p adj < 0.05
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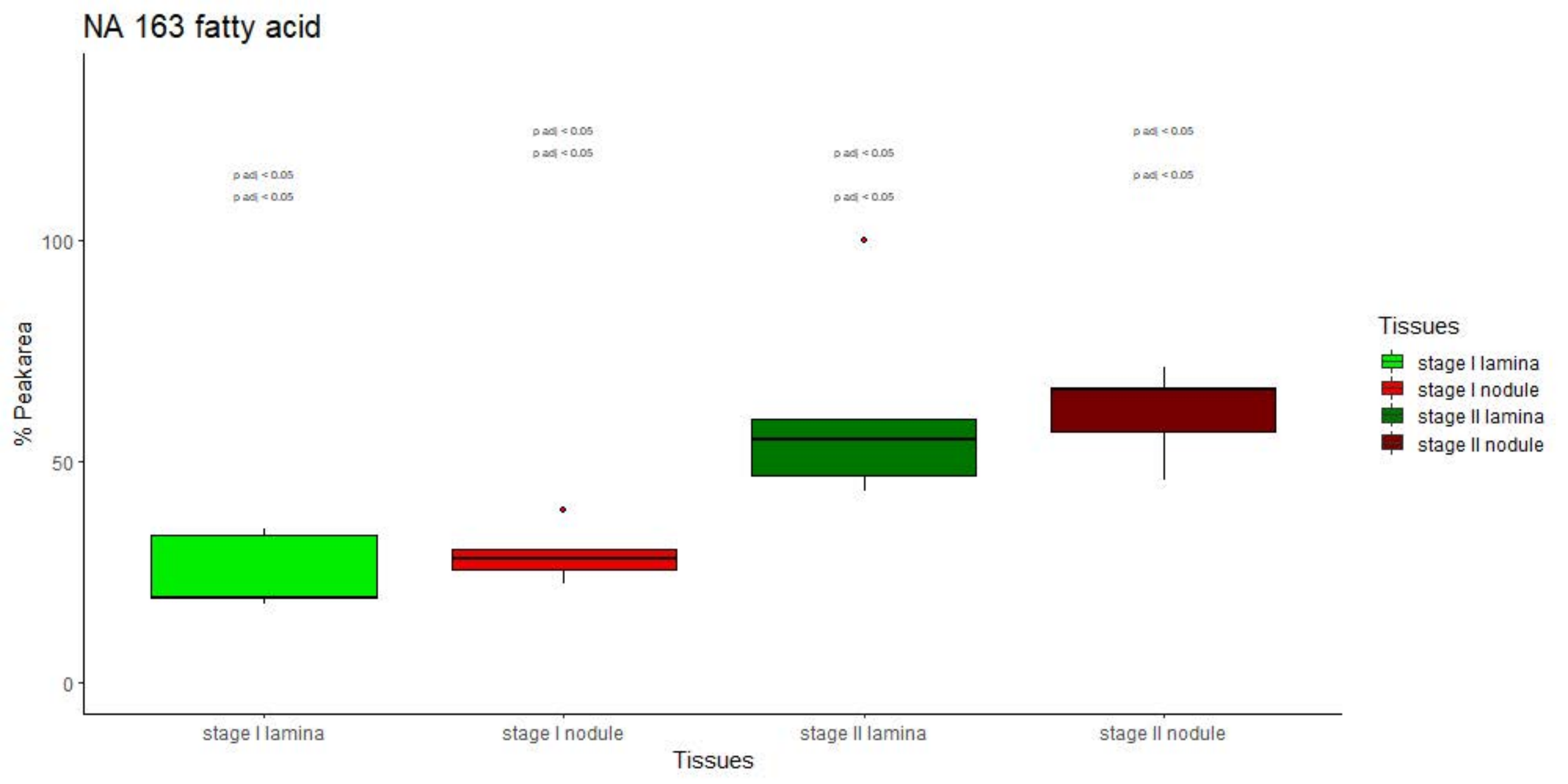
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 163 fatty acid
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
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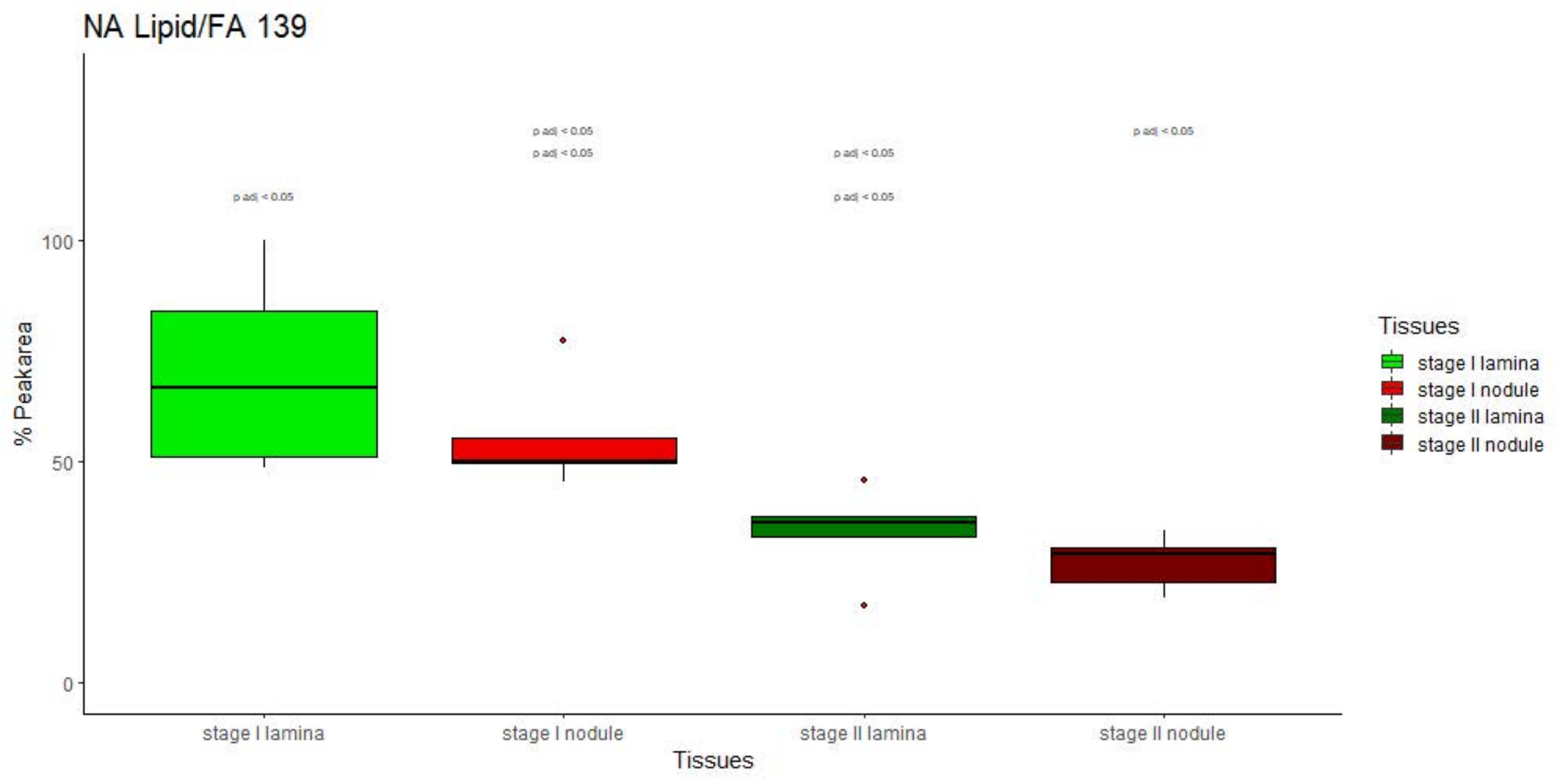
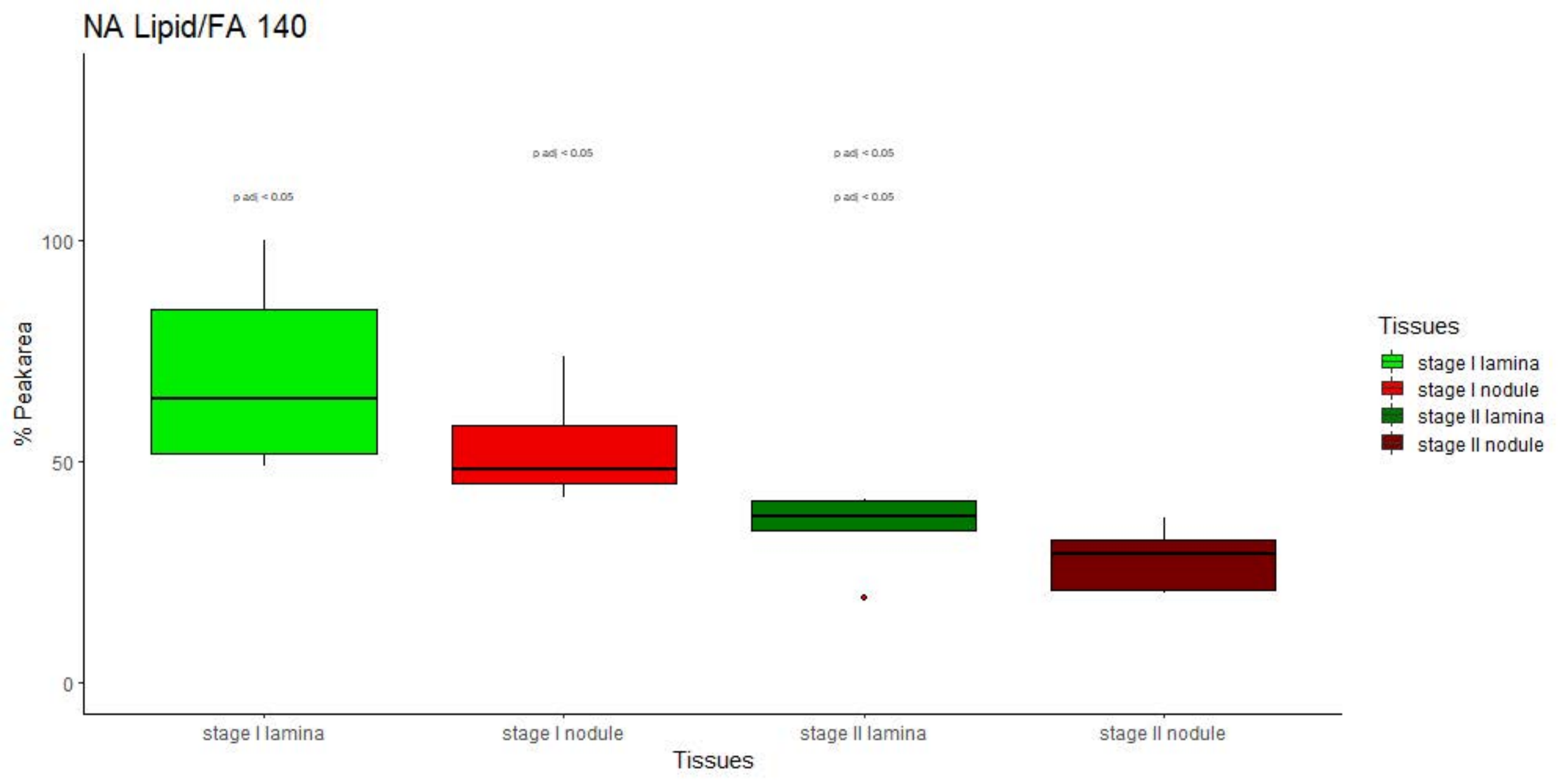
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA Lipid/FA 139
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA Lipid/FA 140
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p adj < 0.05
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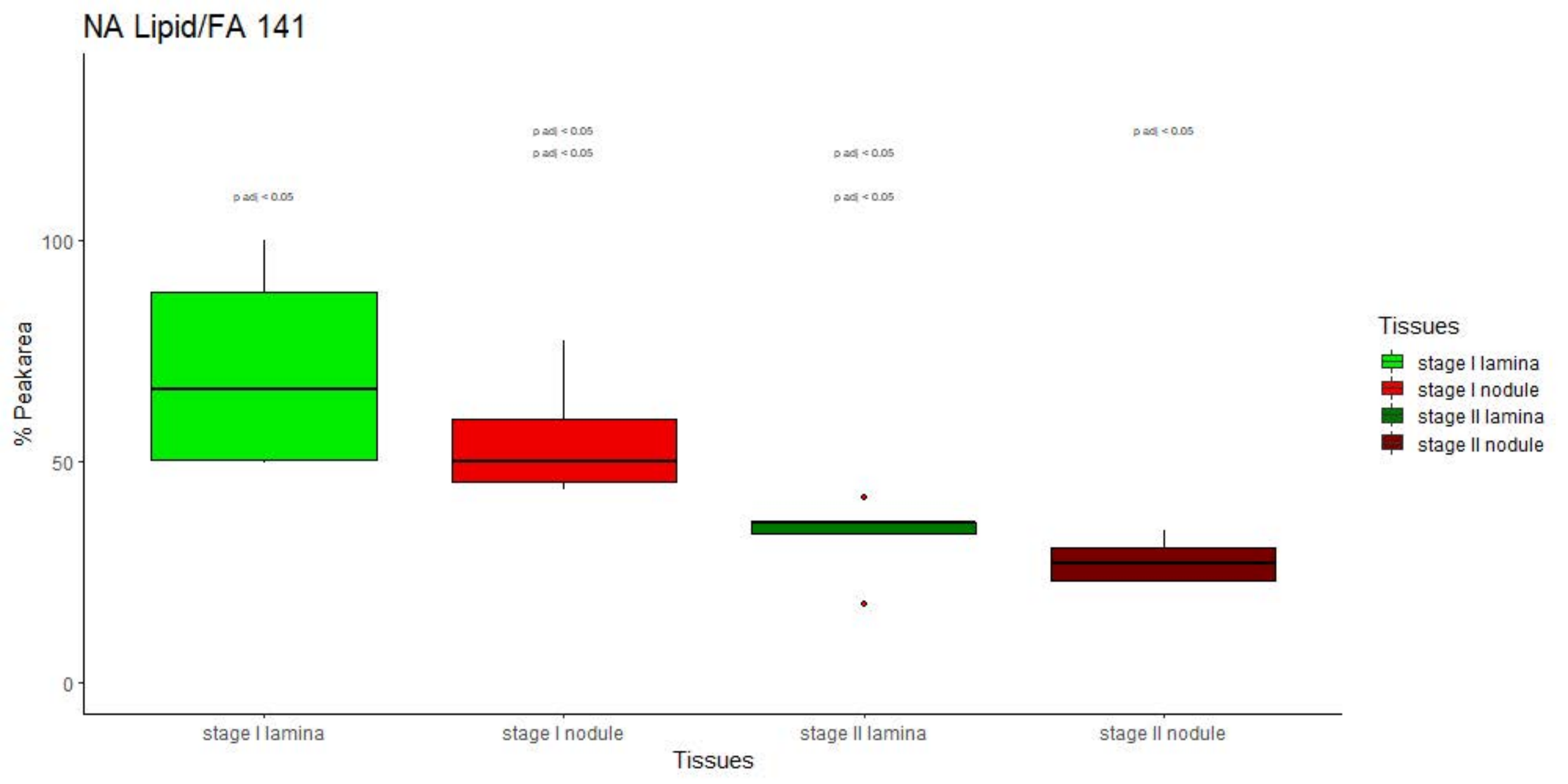
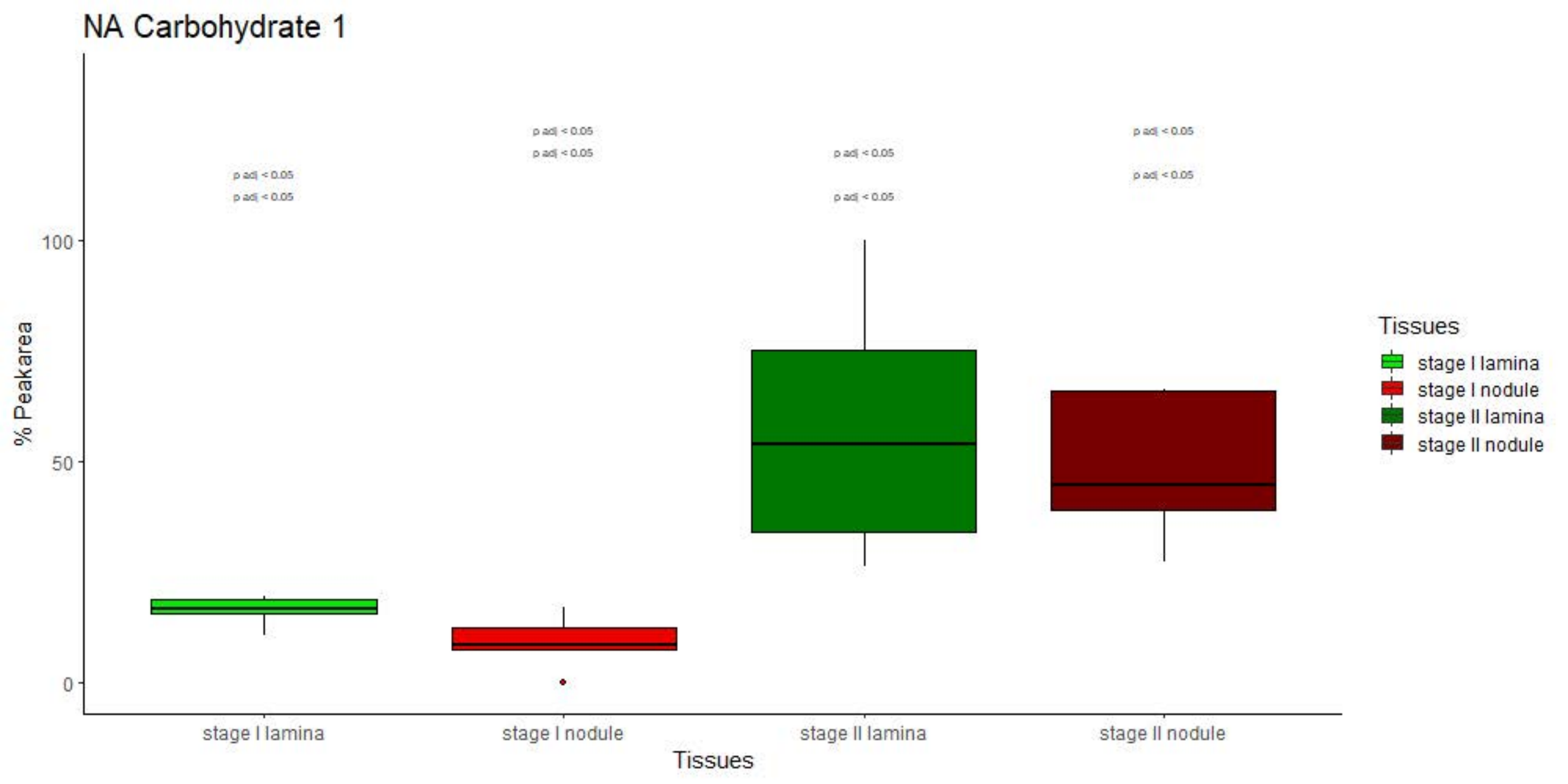
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA Lipid/FA 141
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA Carbohydrate 1
p adj < 0.05
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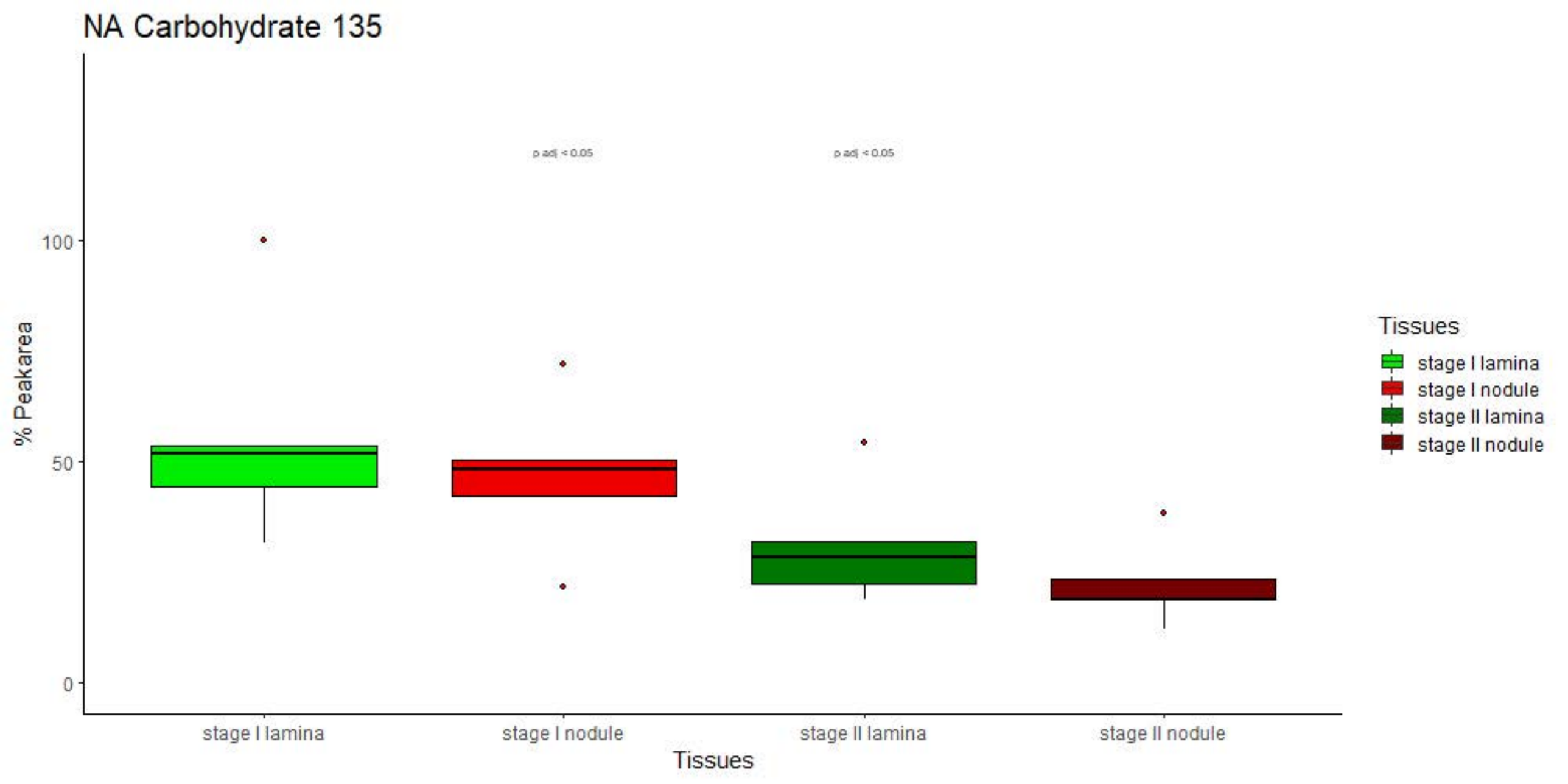
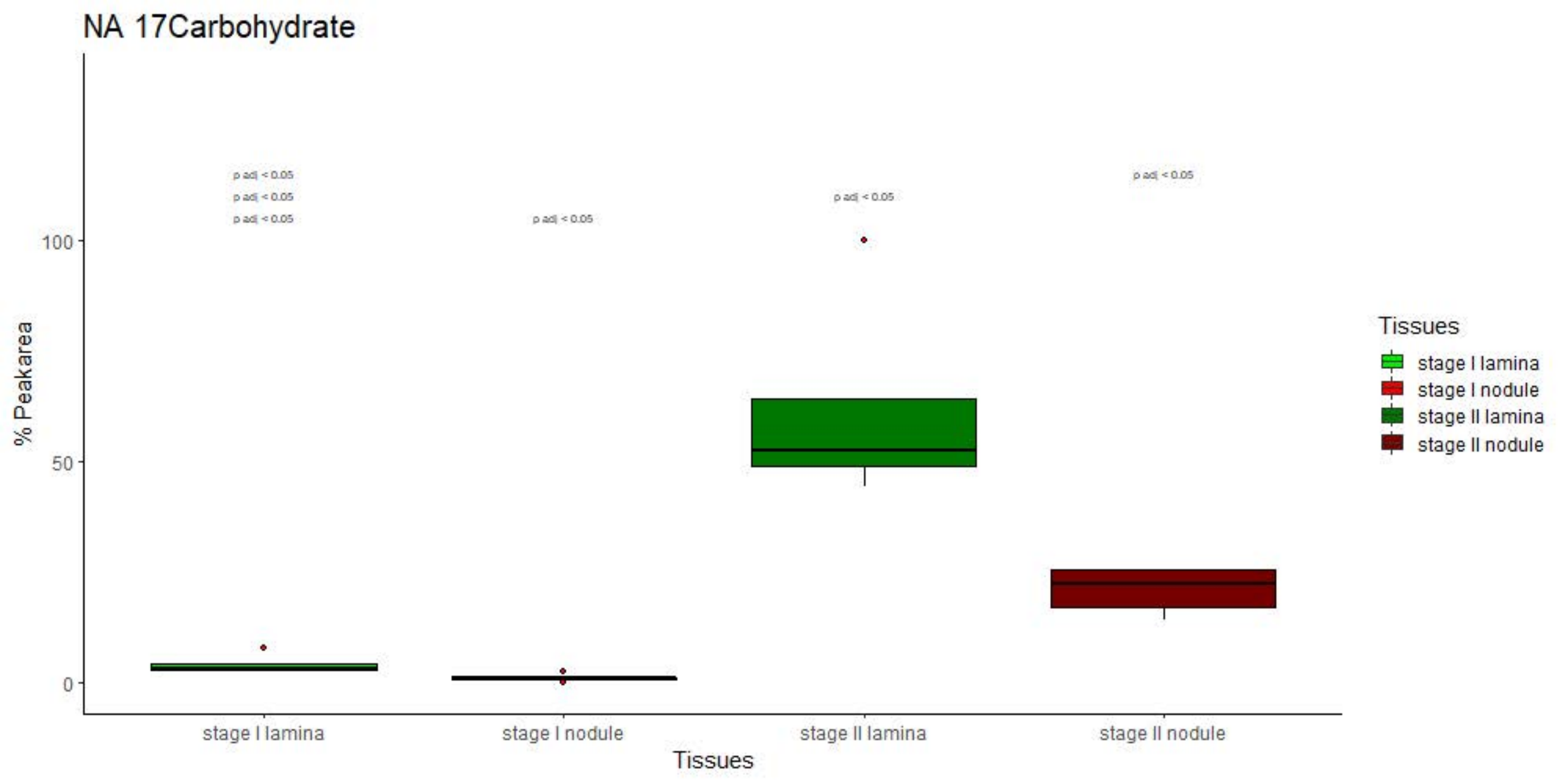
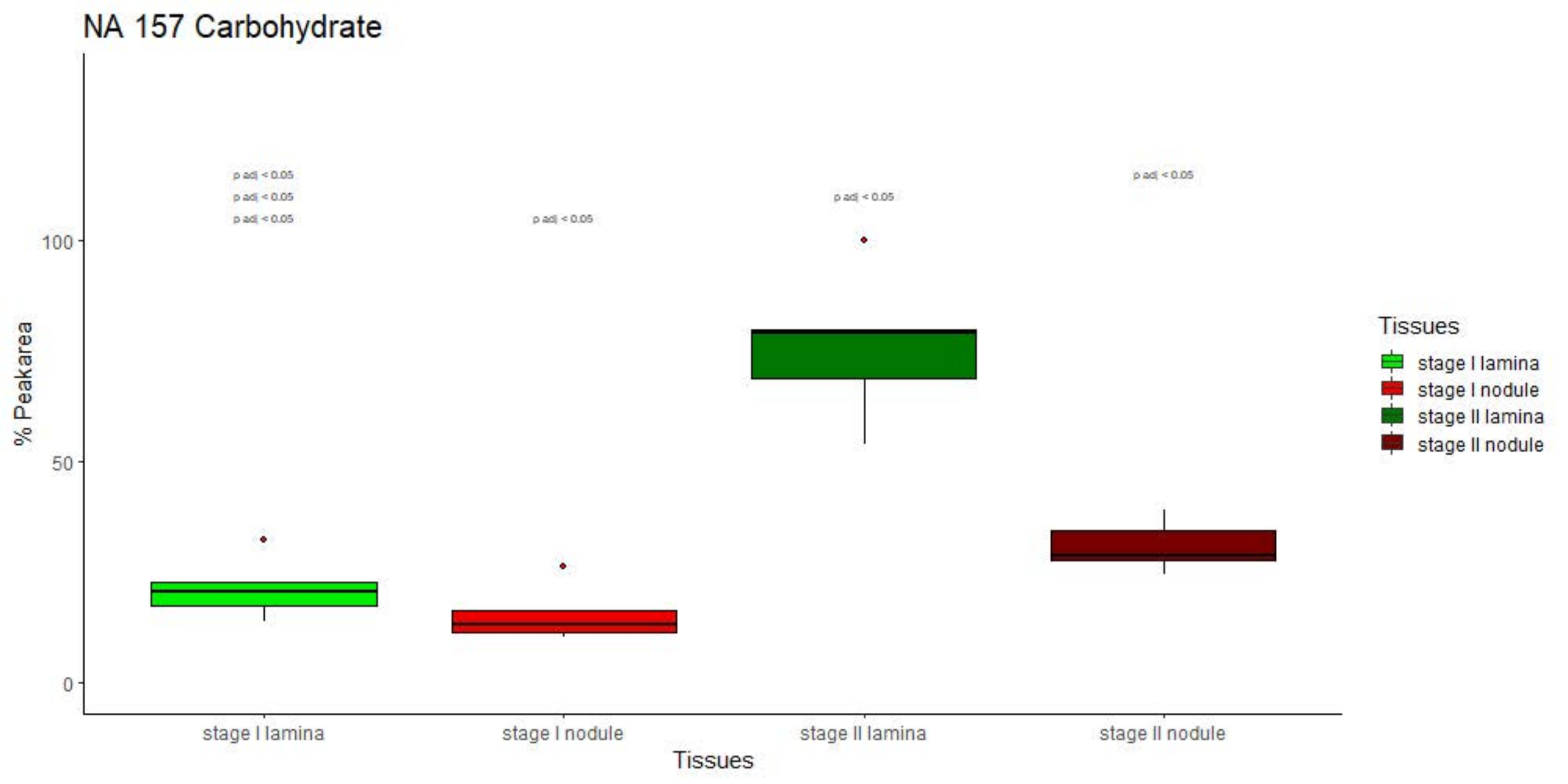
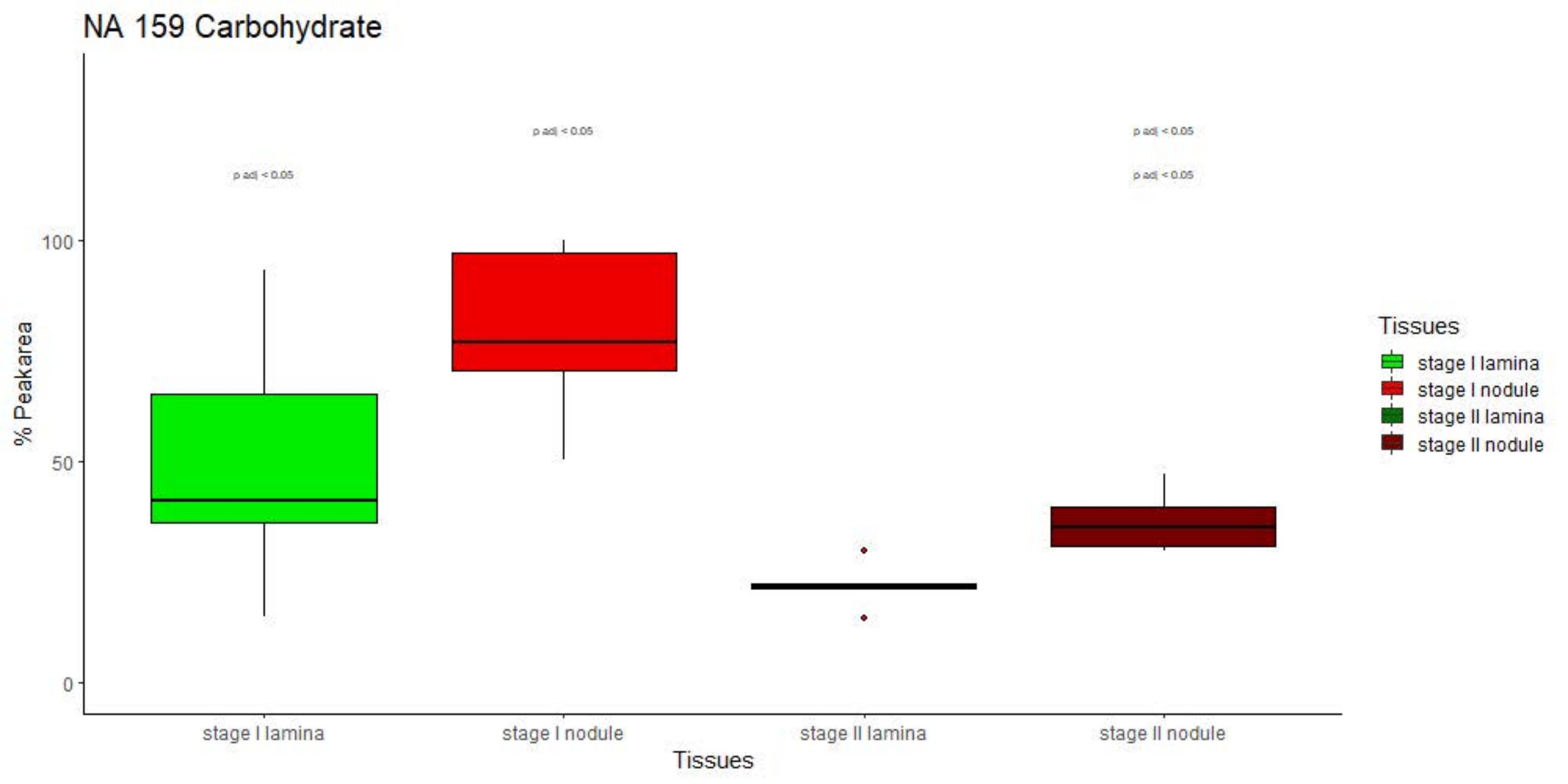
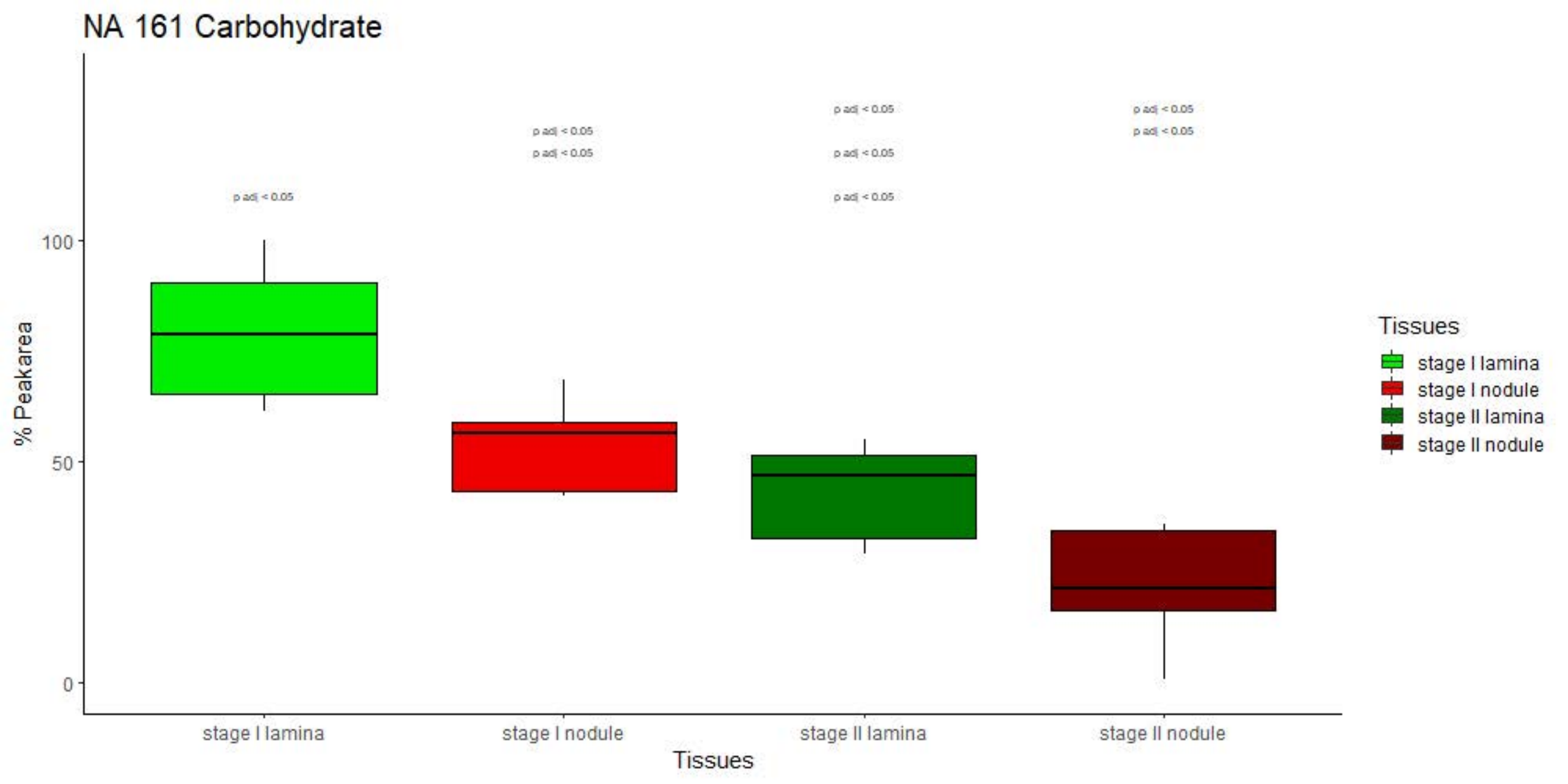
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule

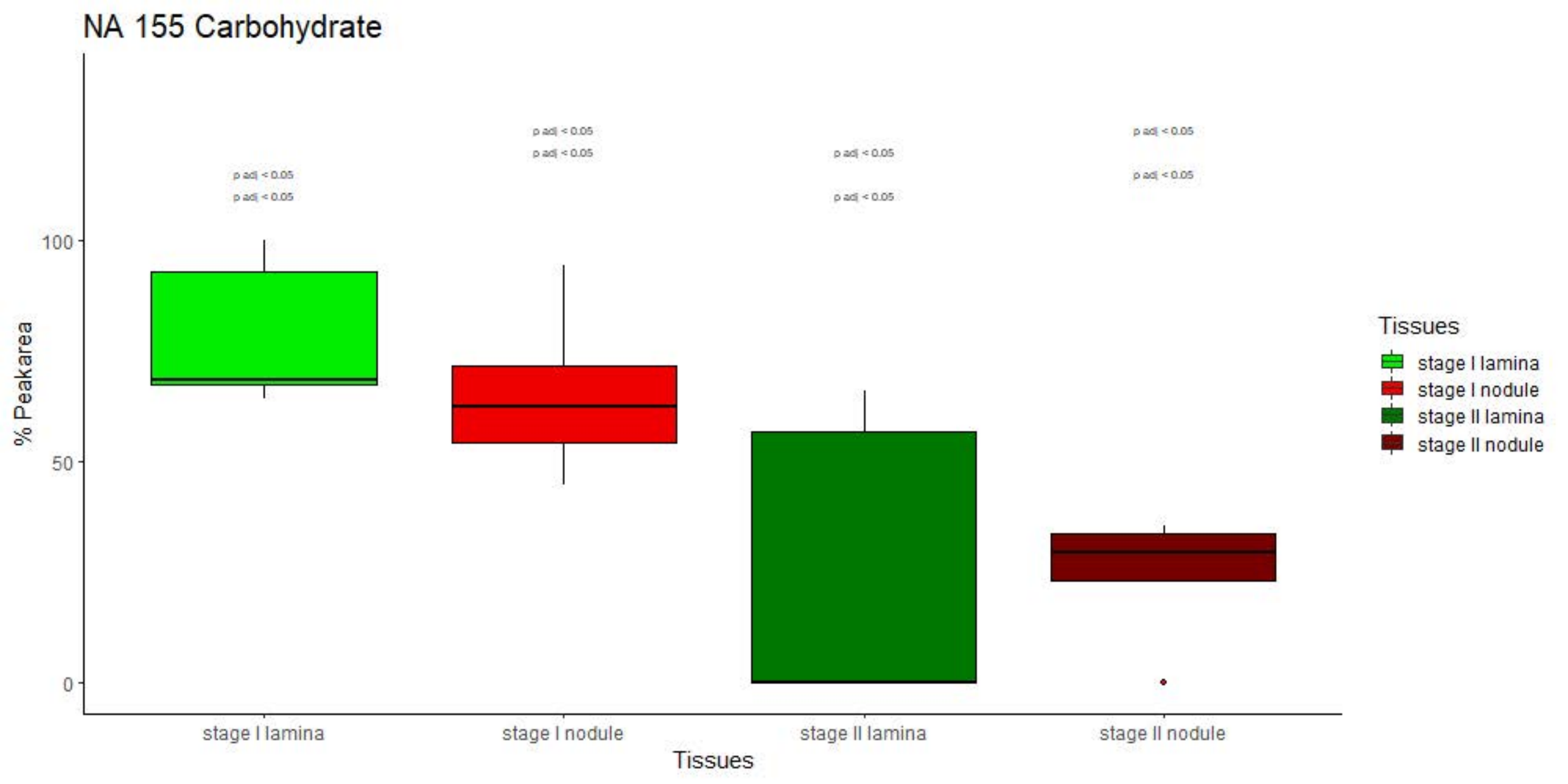

NA Carbohydrate 135
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 17Carbohydrate
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 157 Carbohydrate
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 159 Carbohydrate
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 161 Carbohydrate
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 155 Carbohydrate
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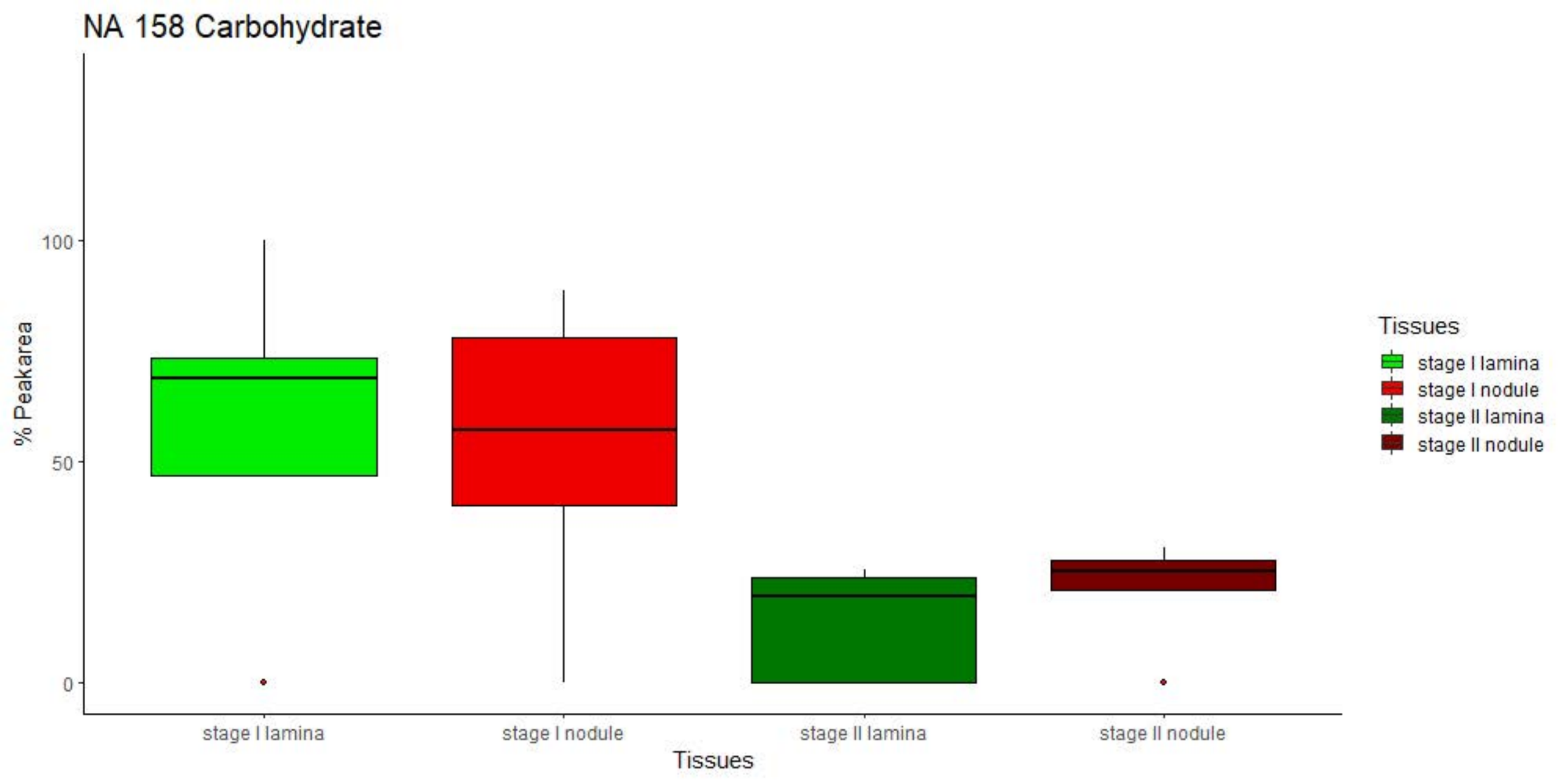
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 158 Carbohydrate
100
50
0
% Peakarea
stage I lamina
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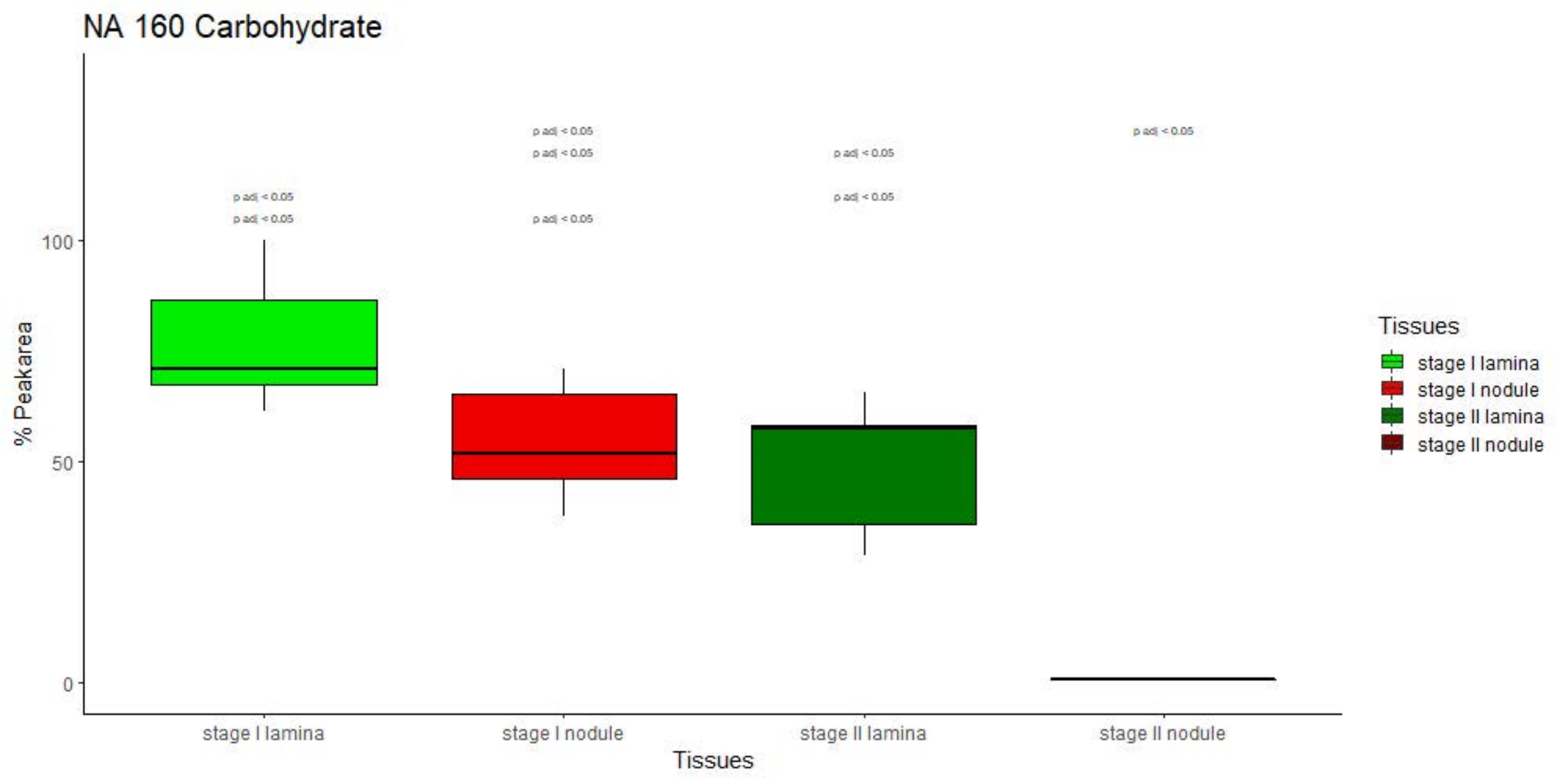
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 160 Carbohydrate
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
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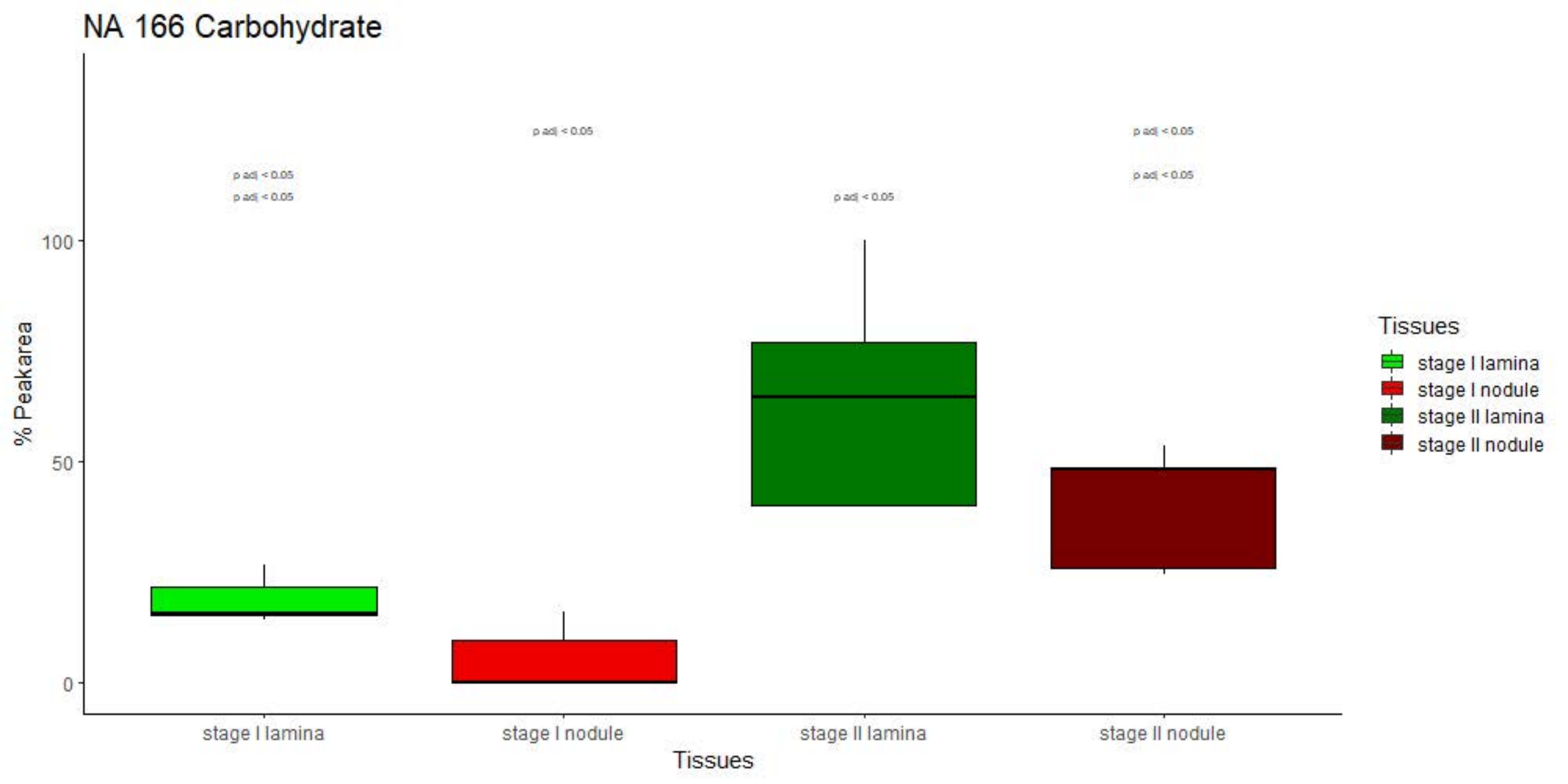
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 166 Carbohydrate
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
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% Peakarea
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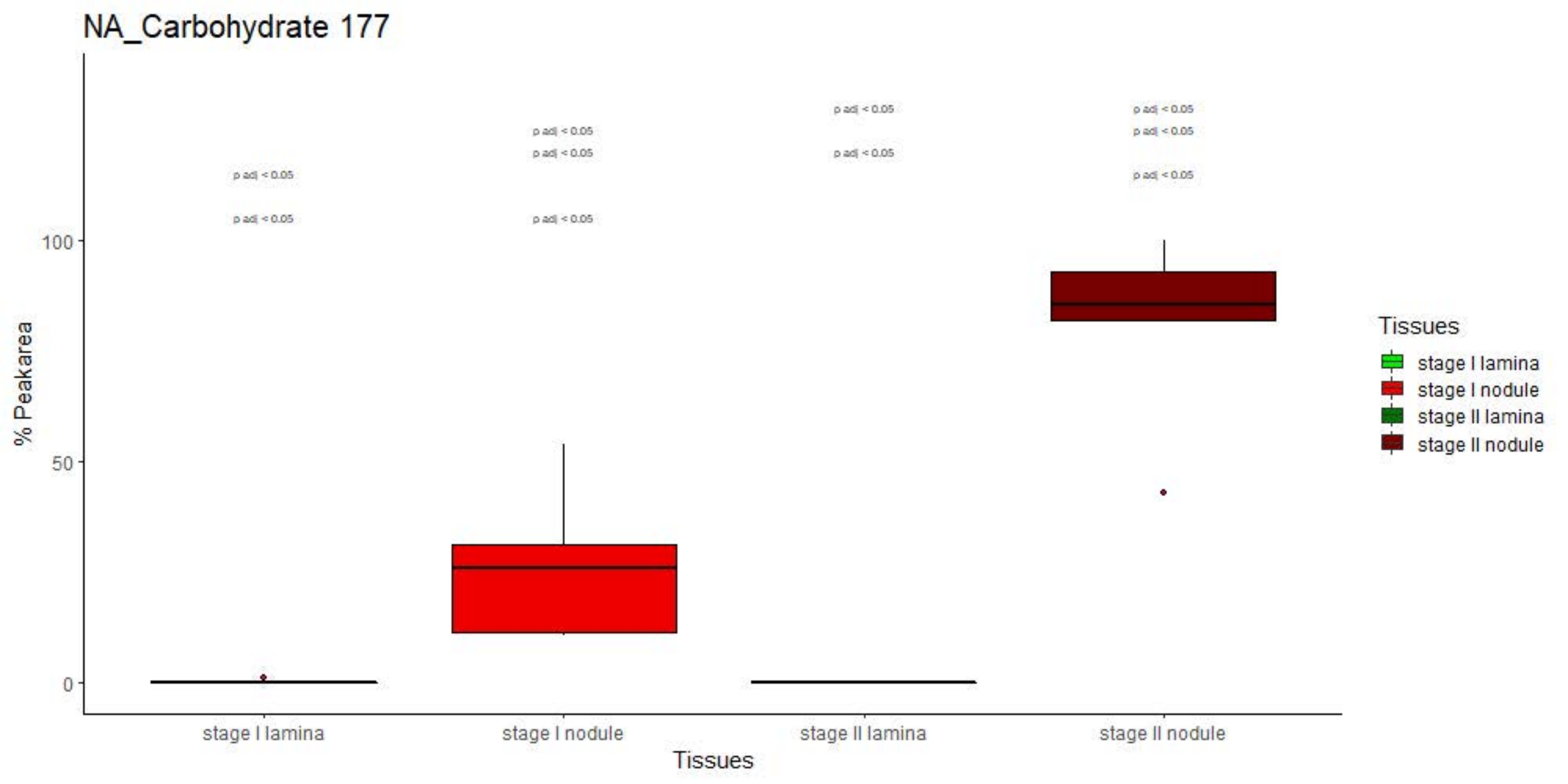
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA_Carbohydrate 177
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p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
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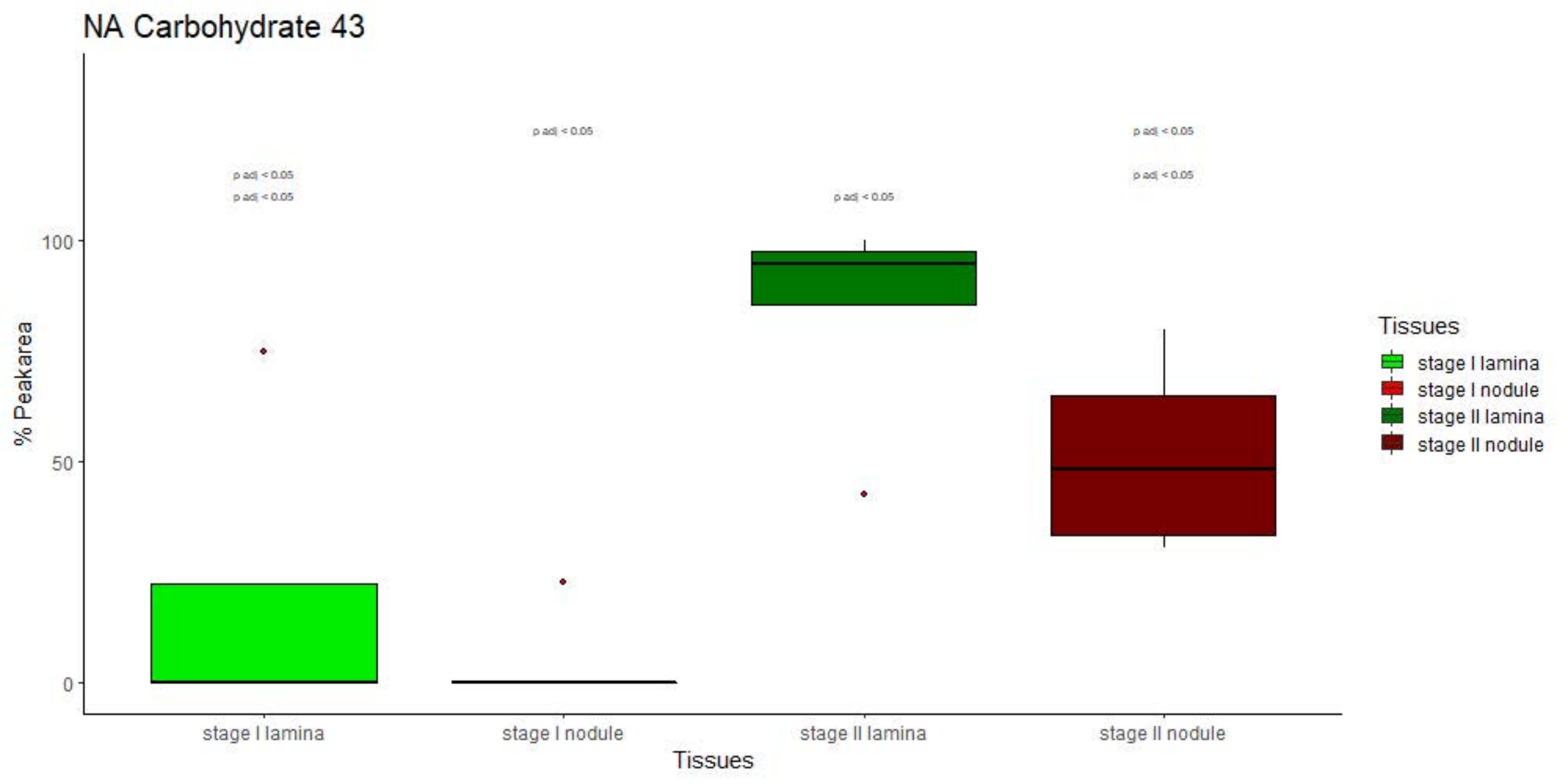
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA Carbohydrate 43
p adj < 0.05
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p adj < 0.05
p adj < 0.05
100
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% Peakarea
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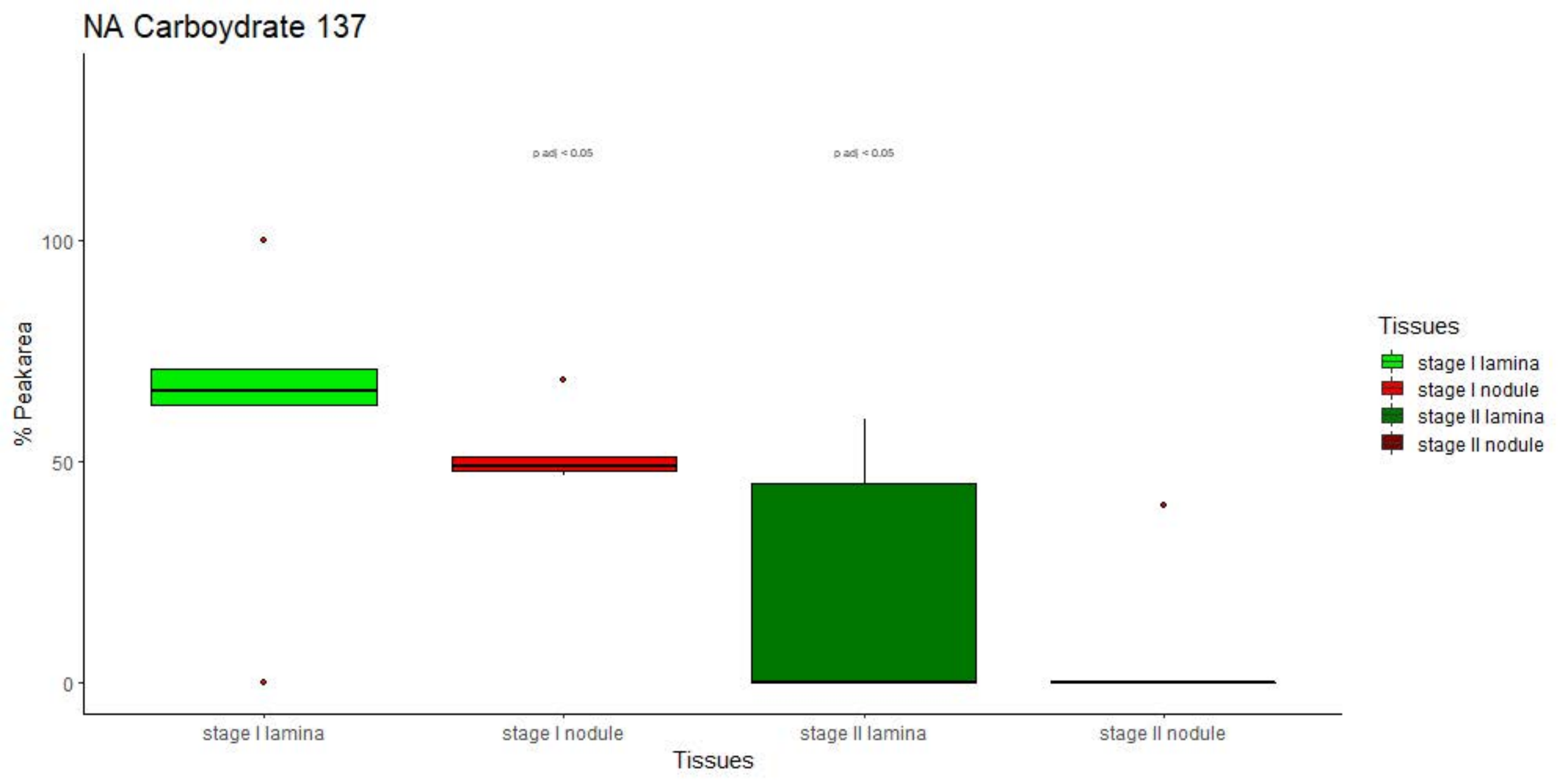
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA Carboydrate 137
p adj < 0.05
p adj < 0.05
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% Peakarea
stage I lamina
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stage II nodule
Tissues
Tissues
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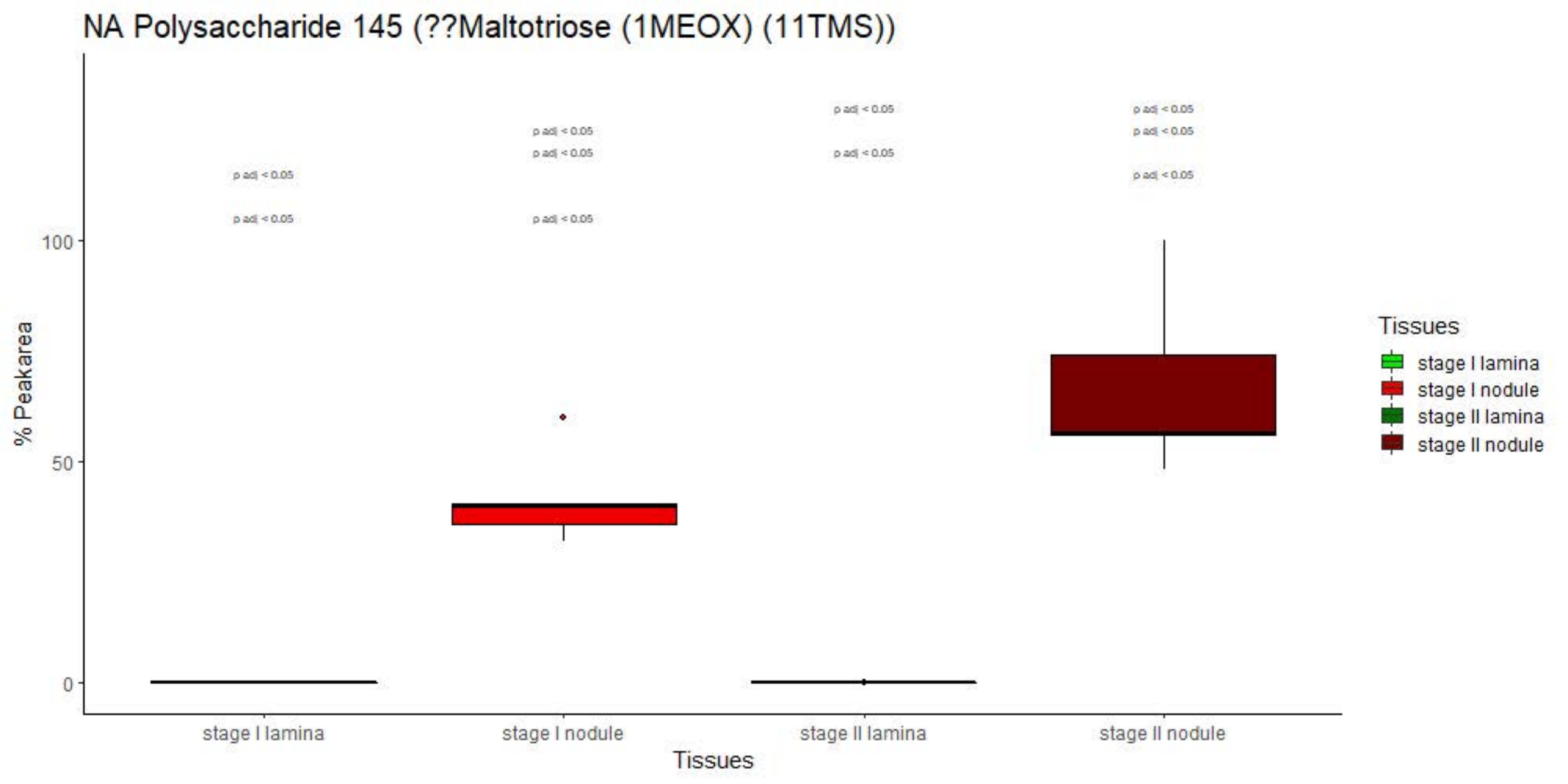
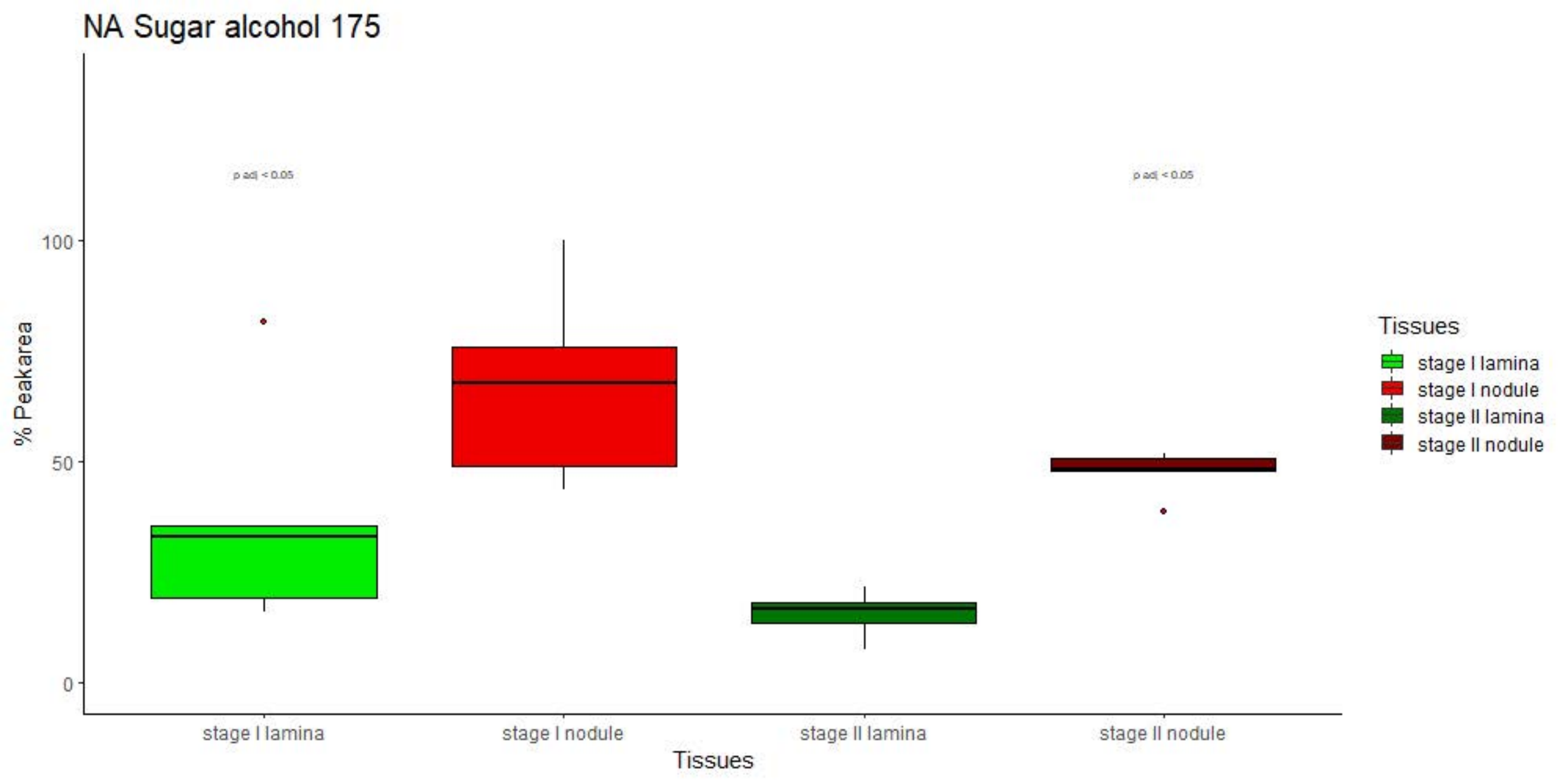
stage I nodule
stage II lamina
stage II nodule


NA Polysaccharide 145 (??Maltotriose (1MEOX) (11TMS))
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA Sugar alcohol 175
p adj < 0.05
p adj < 0.05
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stage II nodule
Tissues
Tissues
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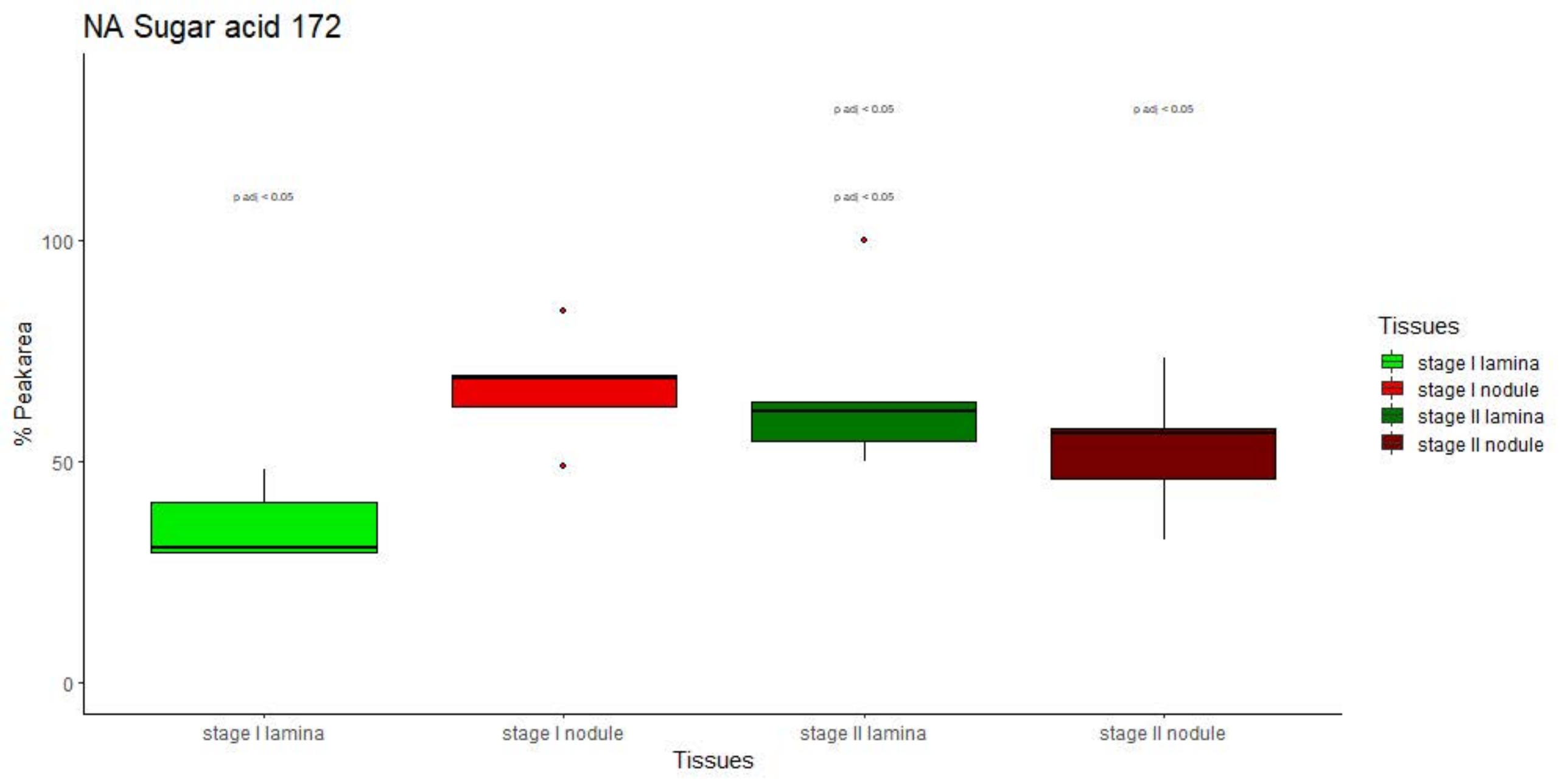
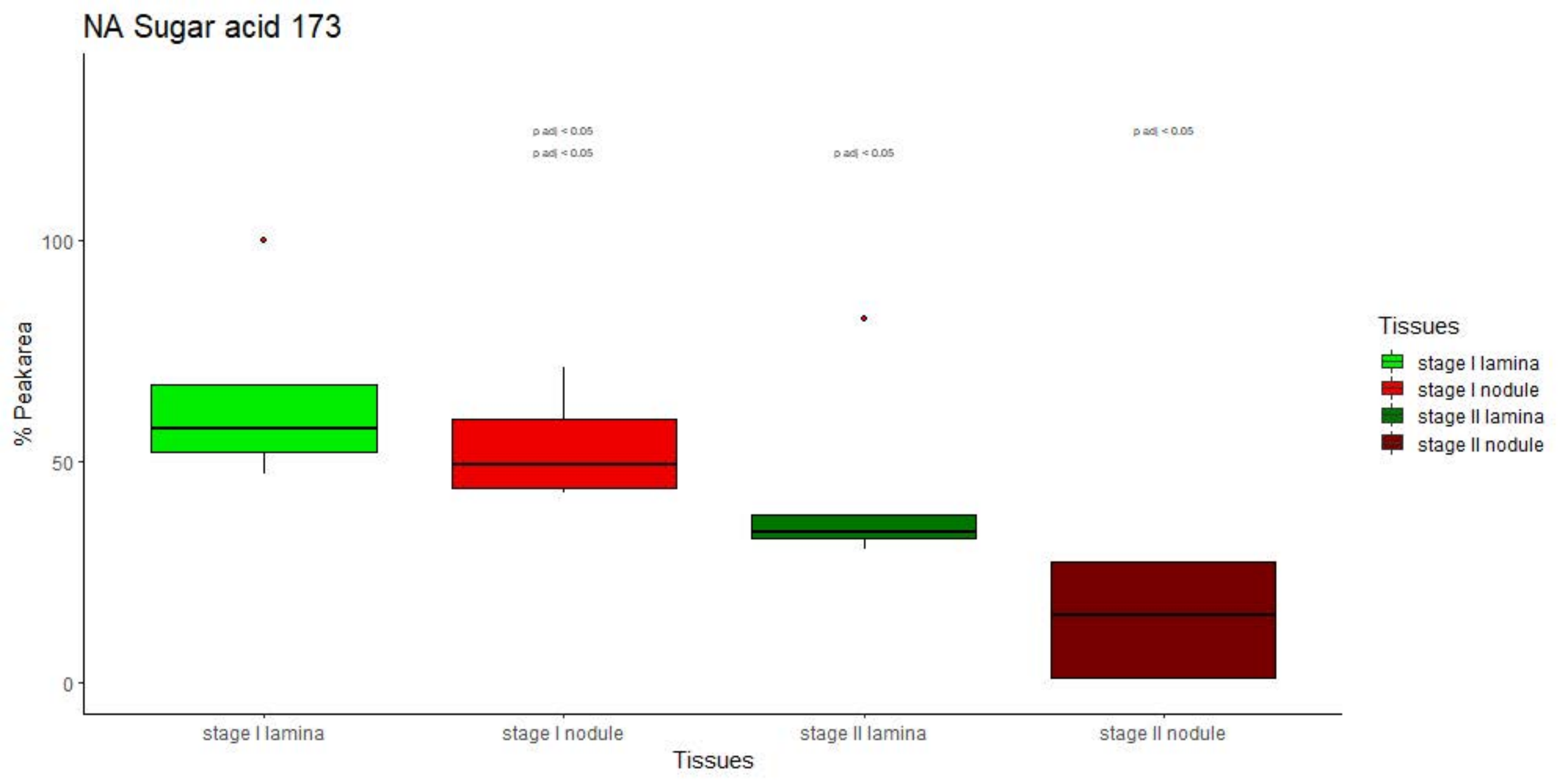
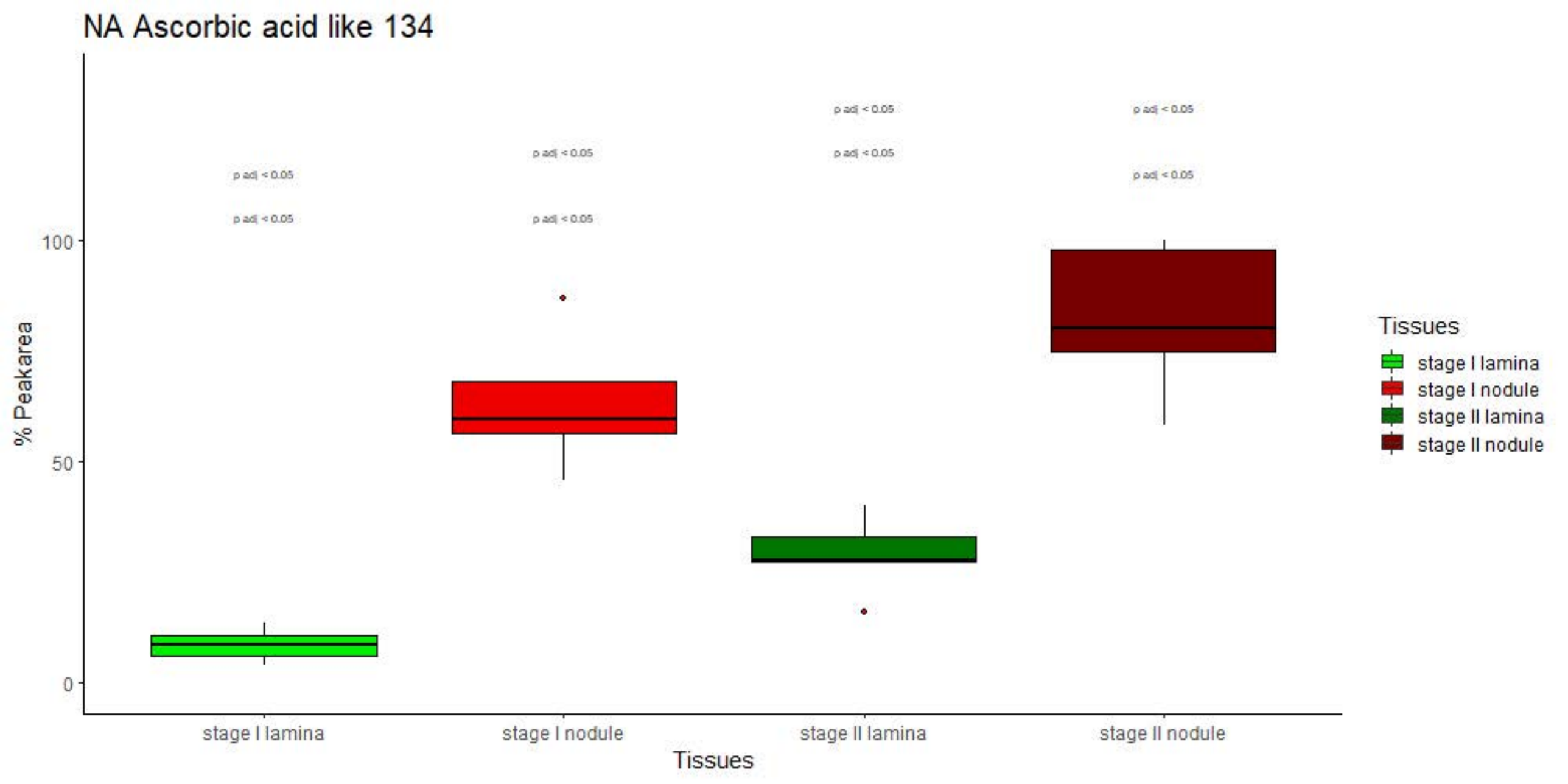
stage I nodule
stage II lamina
stage II nodule


NA Sugar acid 172
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA Sugar acid 173
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA Ascorbic acid like 134
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
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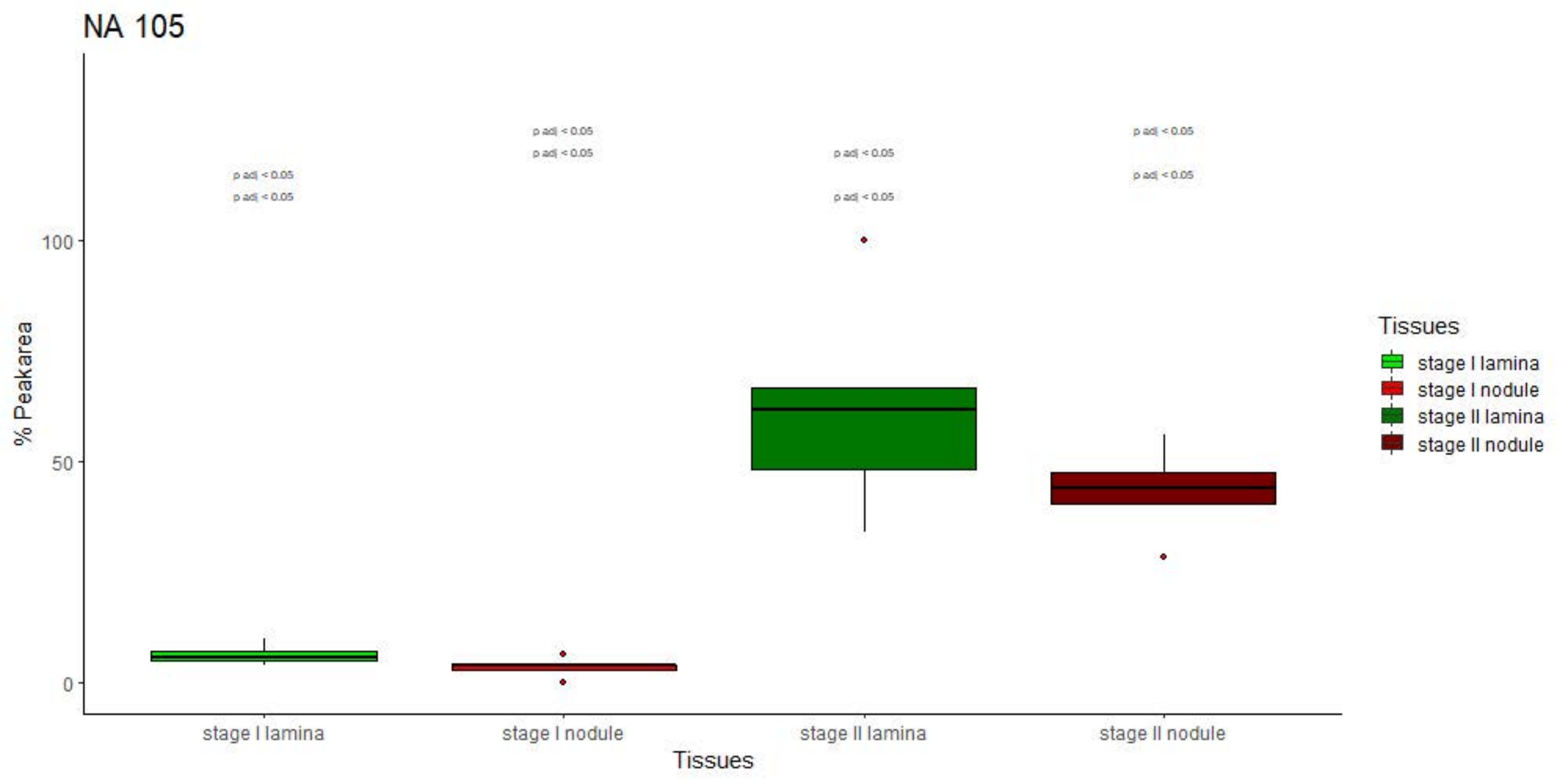
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 105
p adj < 0.05
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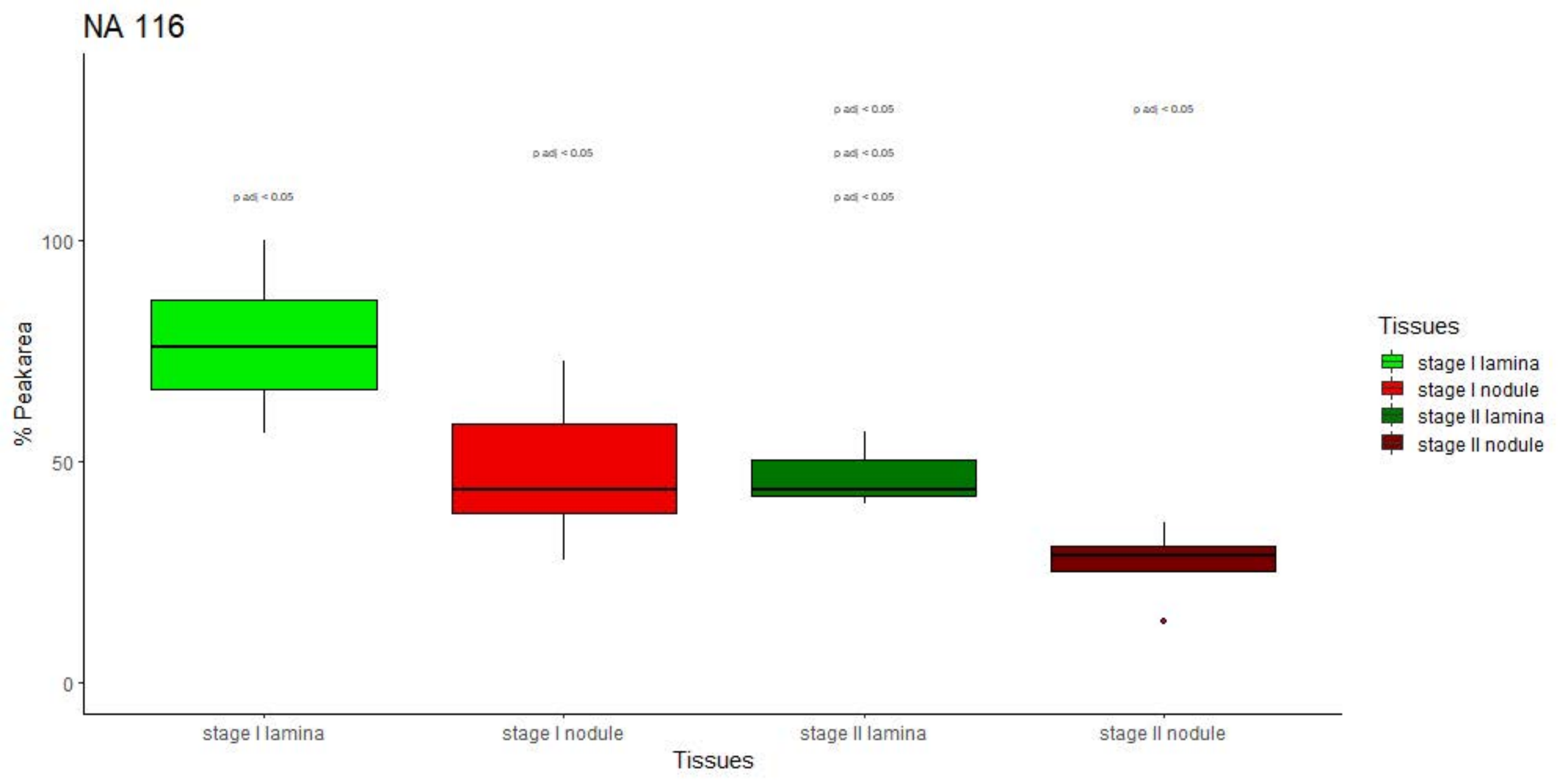
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 116
p adj < 0.05
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% Peakarea
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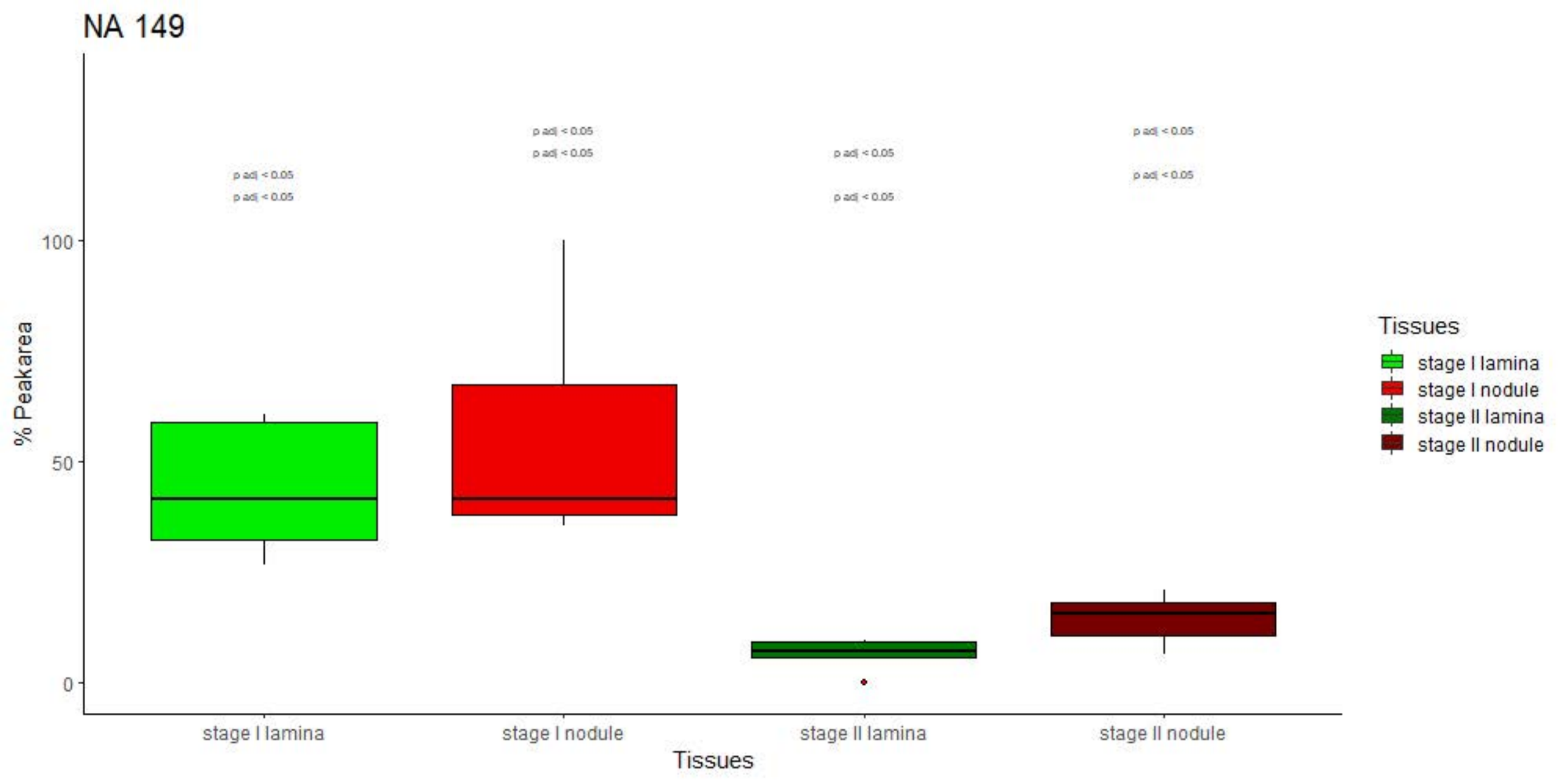
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 149
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p adj < 0.05
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p adj < 0.05
100
50
0
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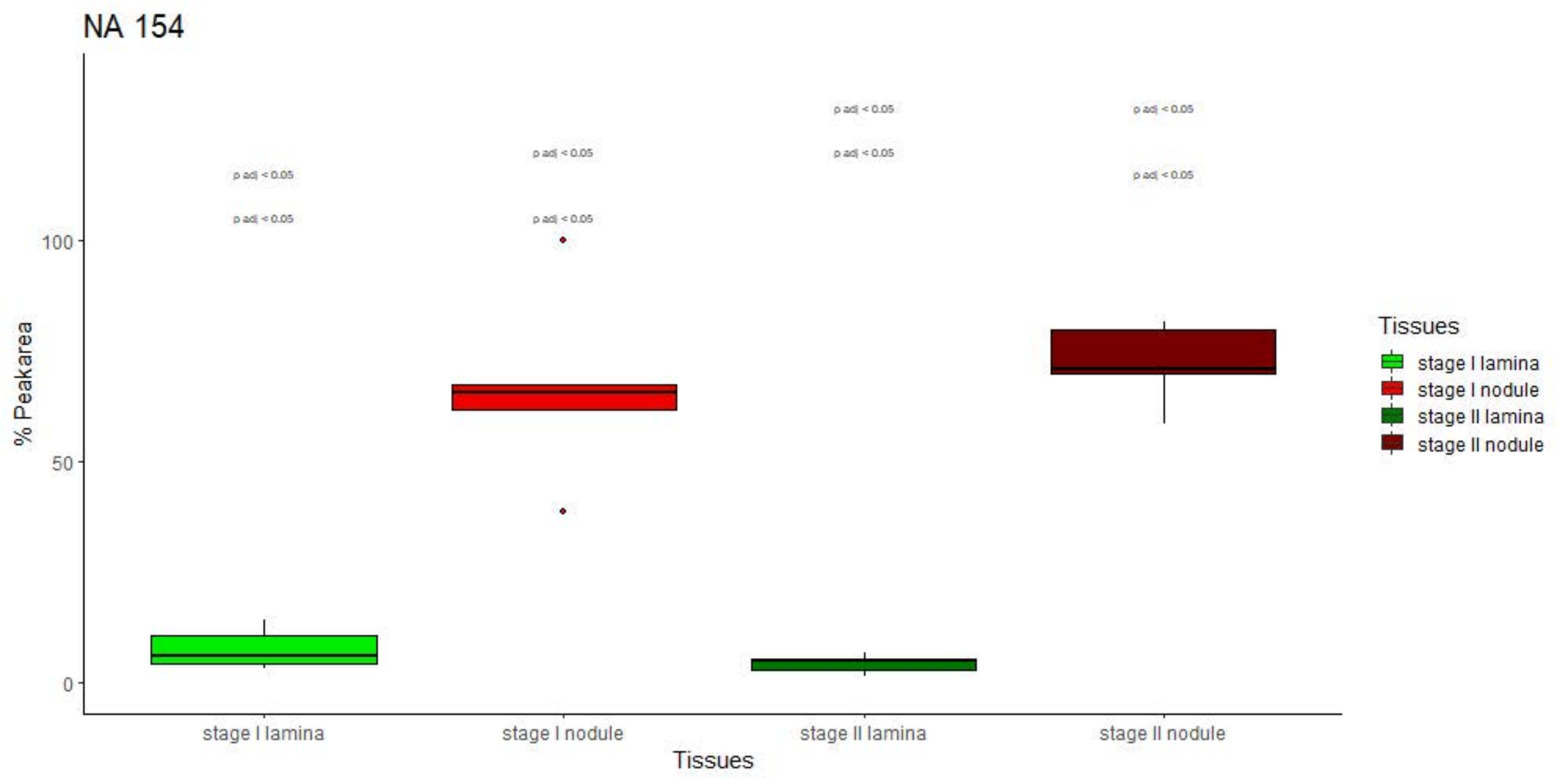
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 154
p adj < 0.05
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p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
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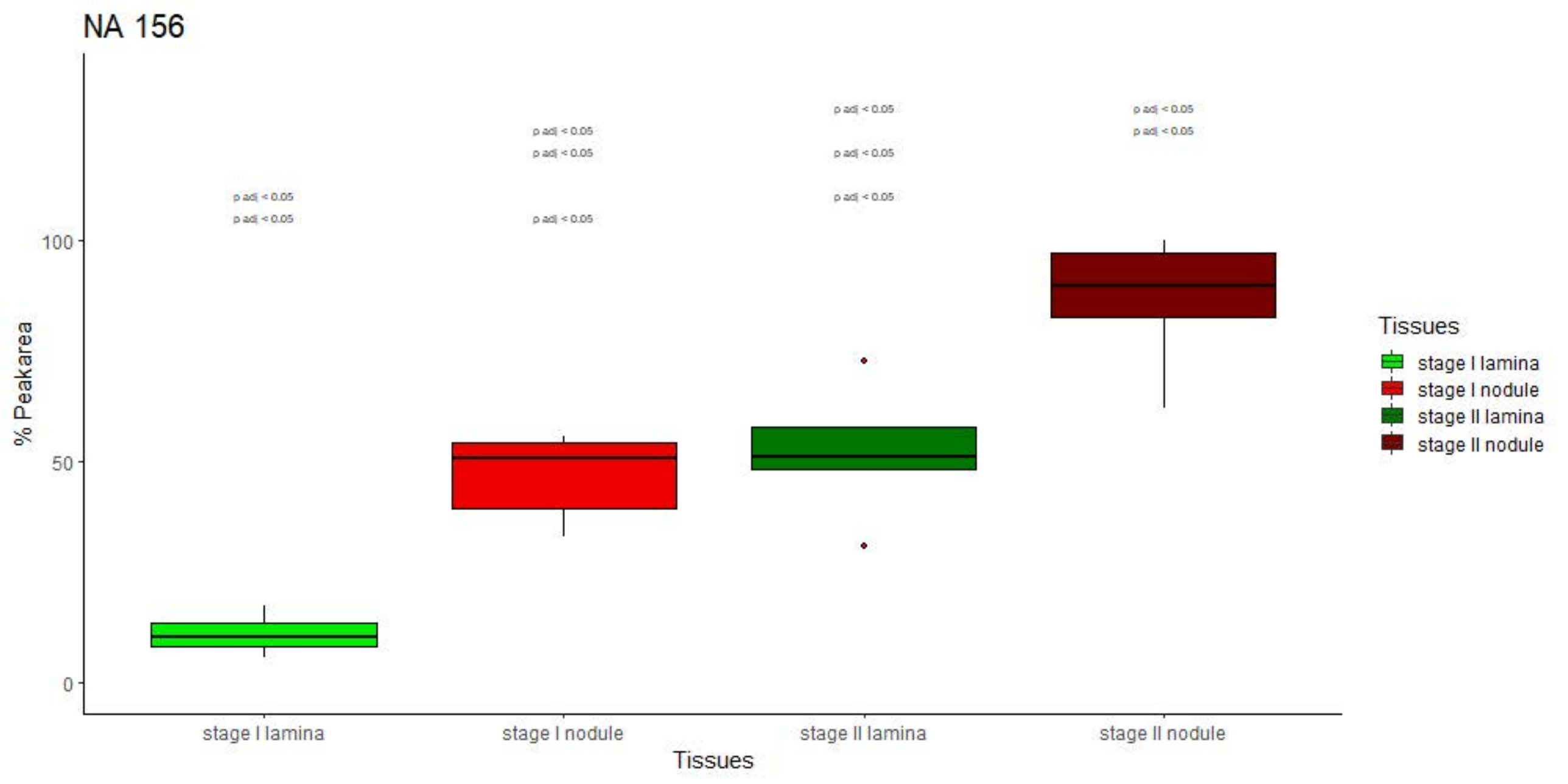
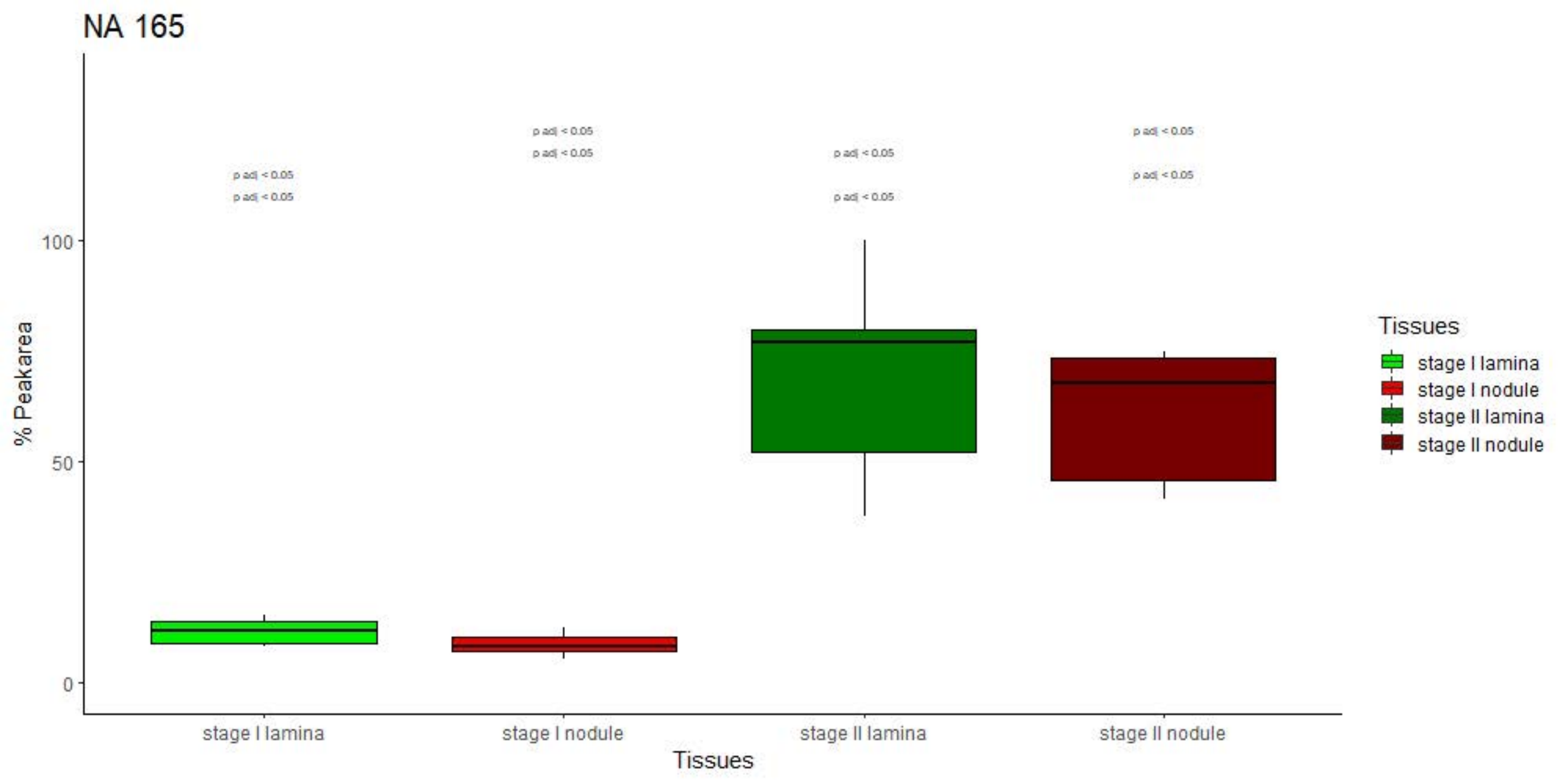
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 156
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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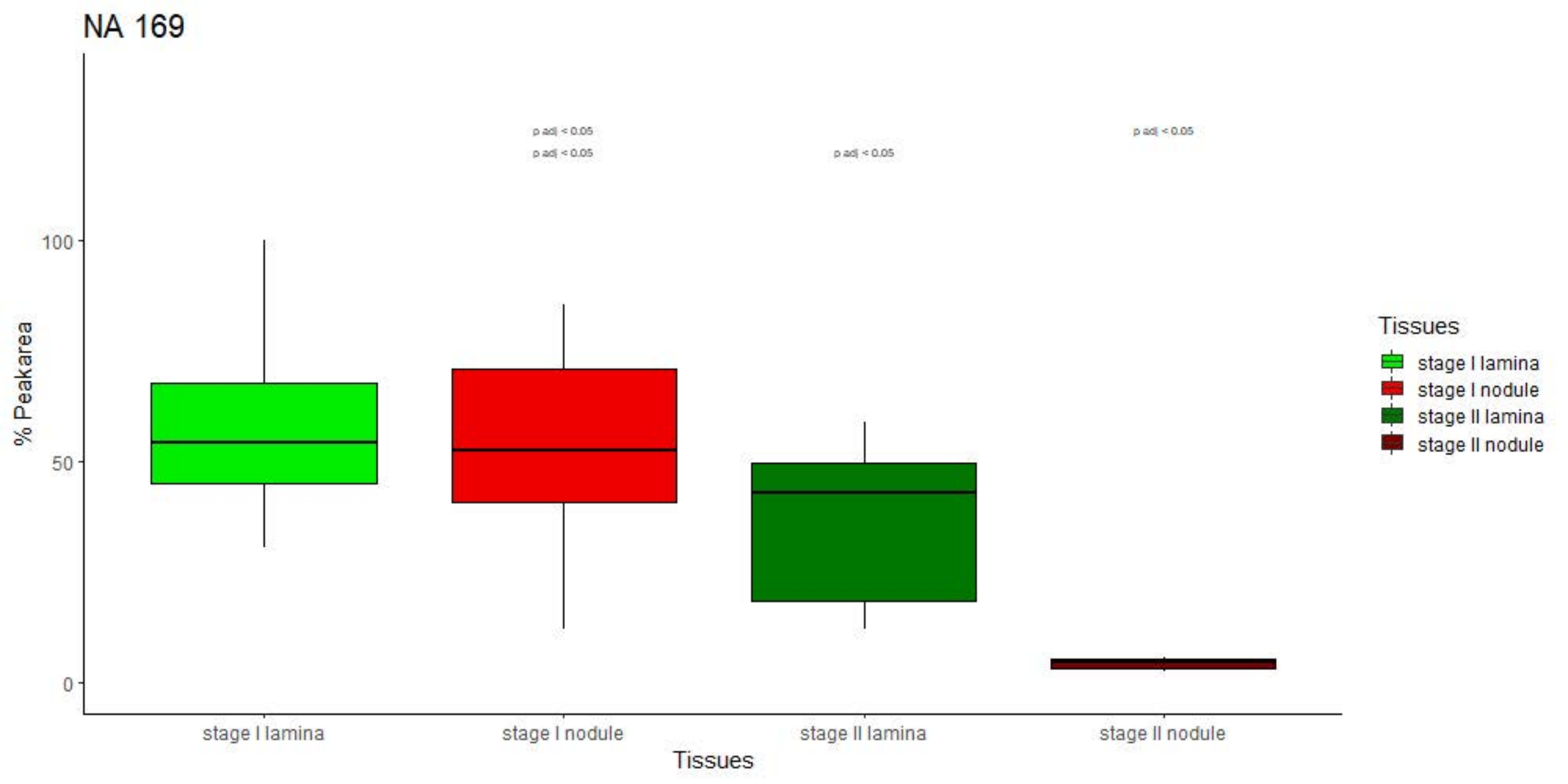
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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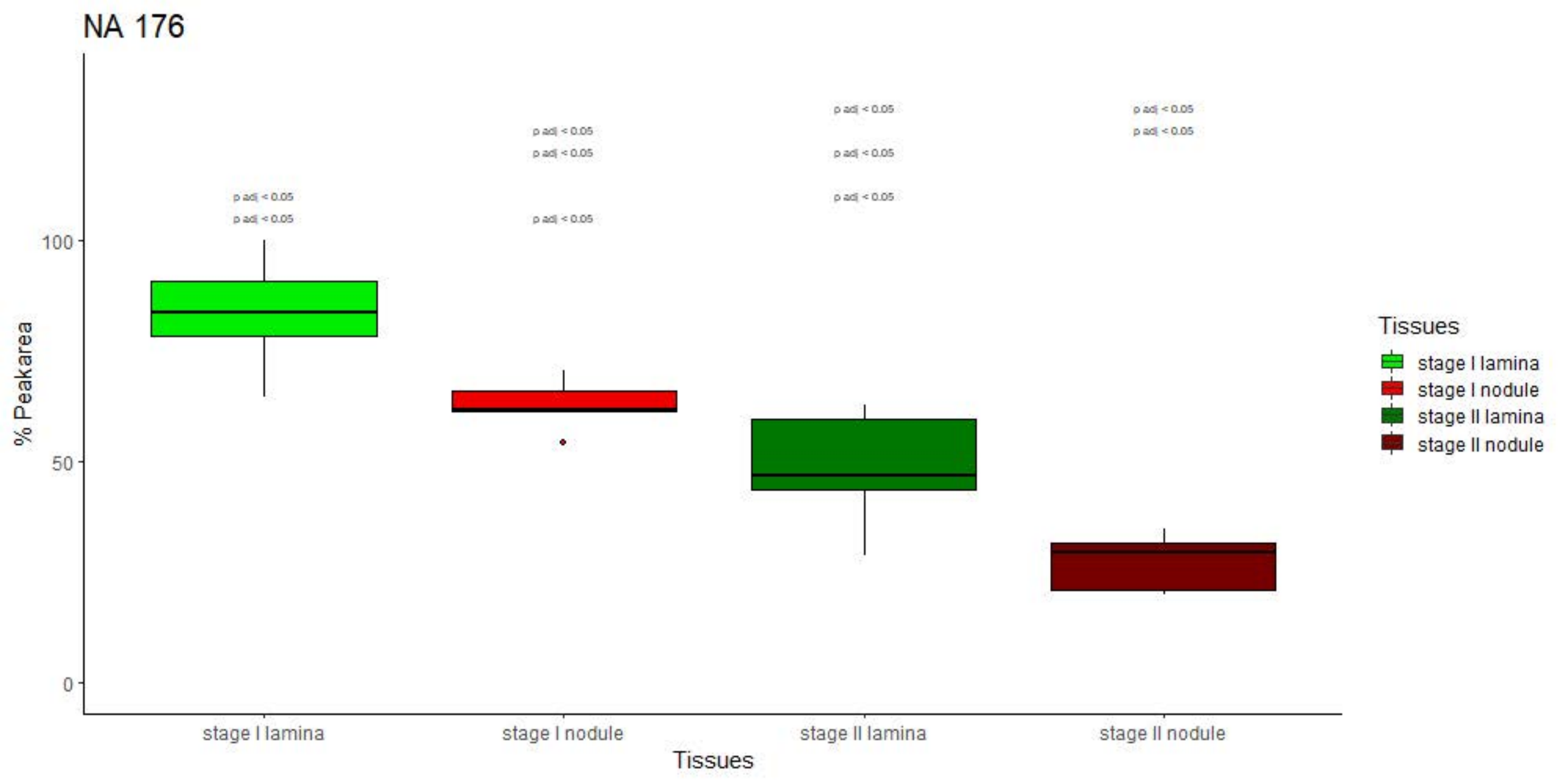
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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0
% Peakarea
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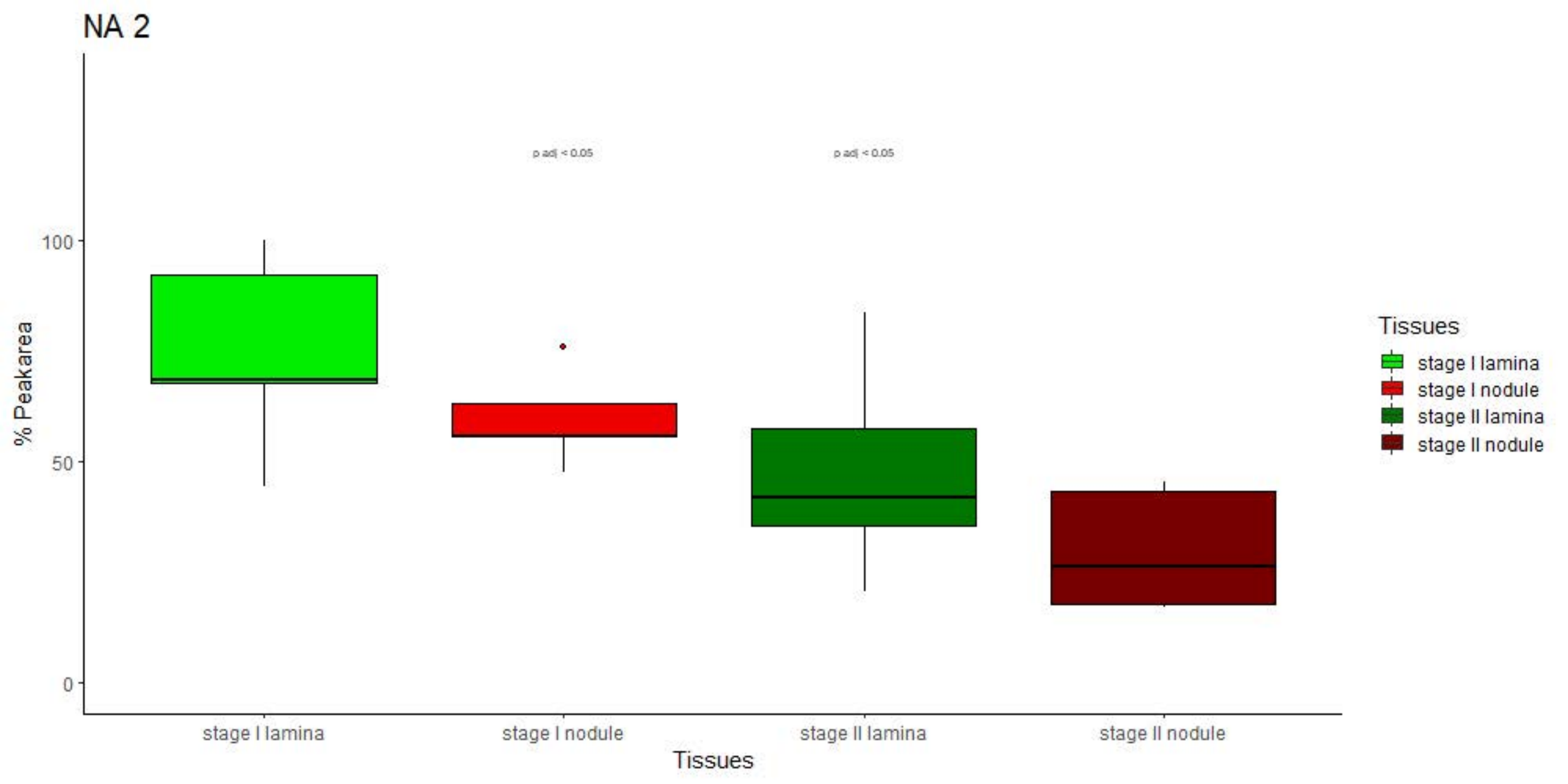
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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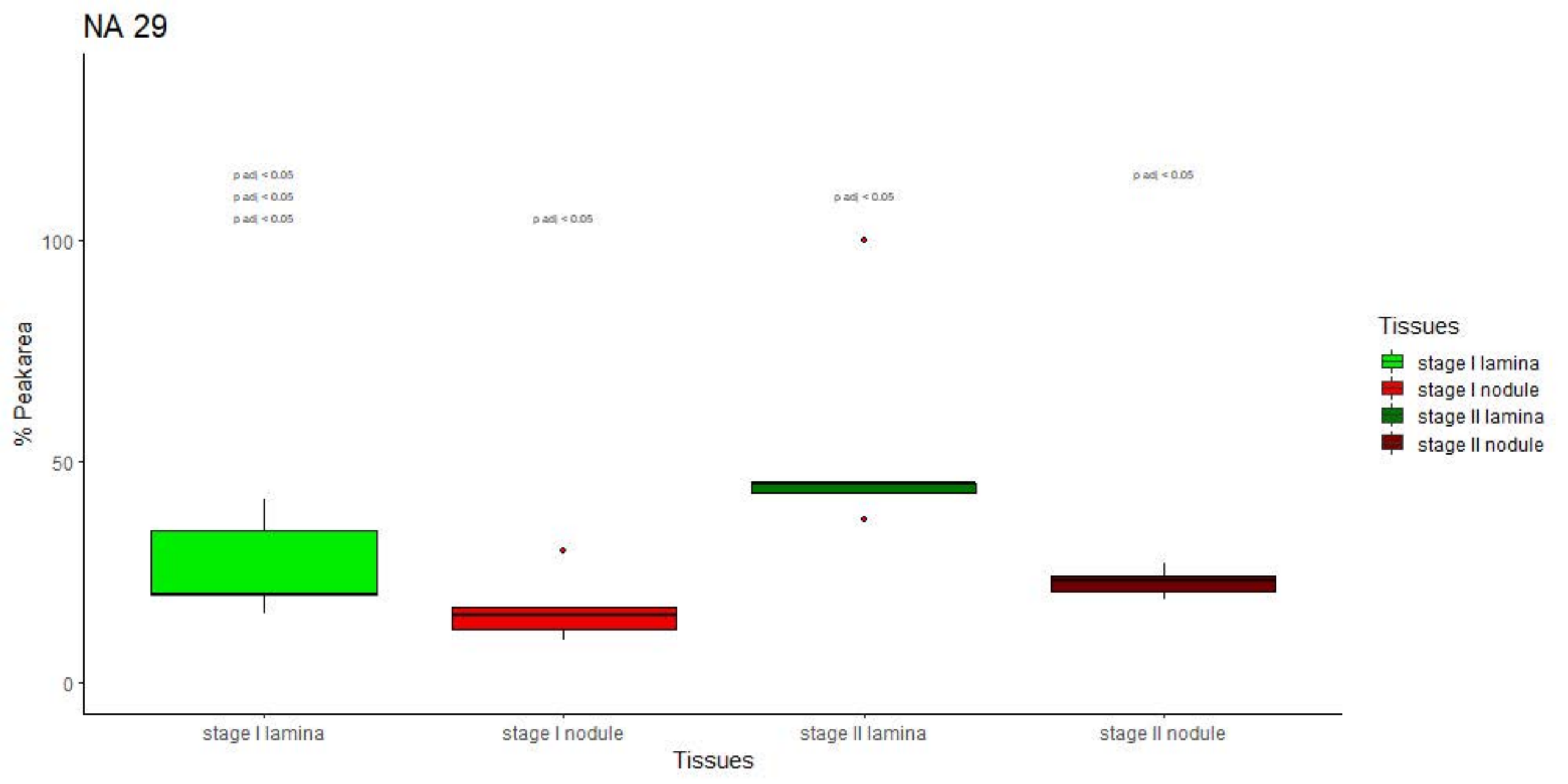
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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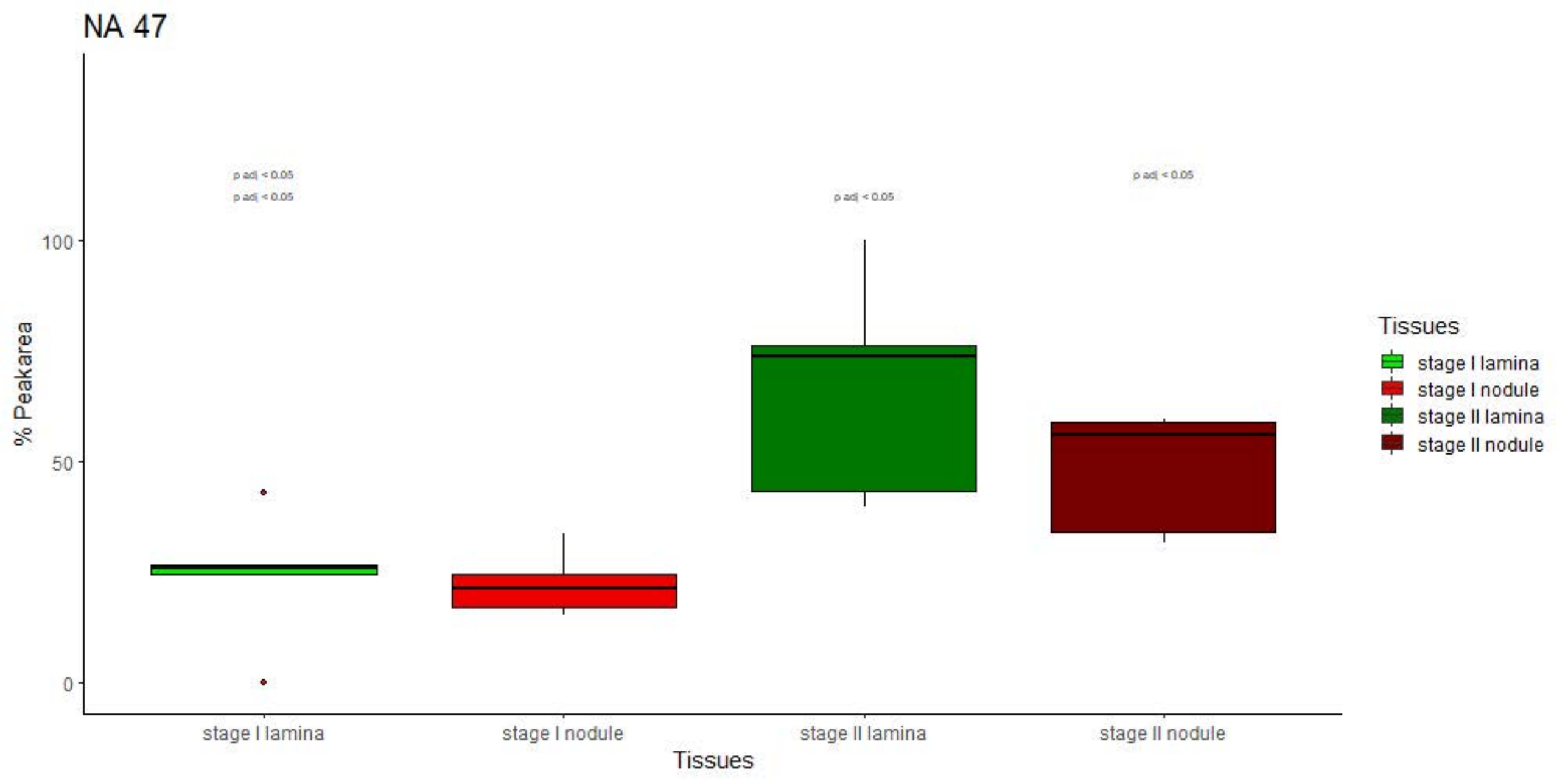
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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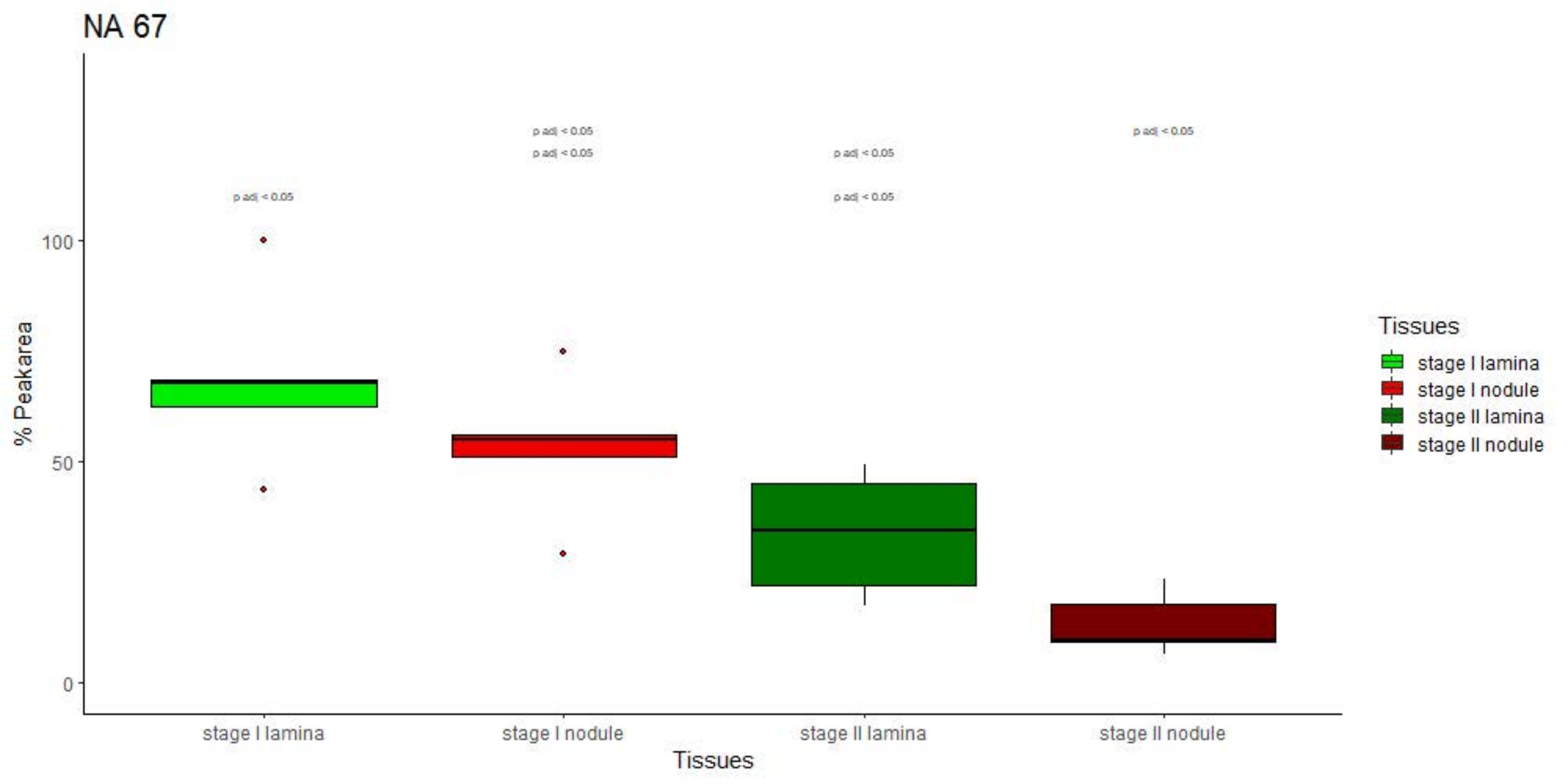
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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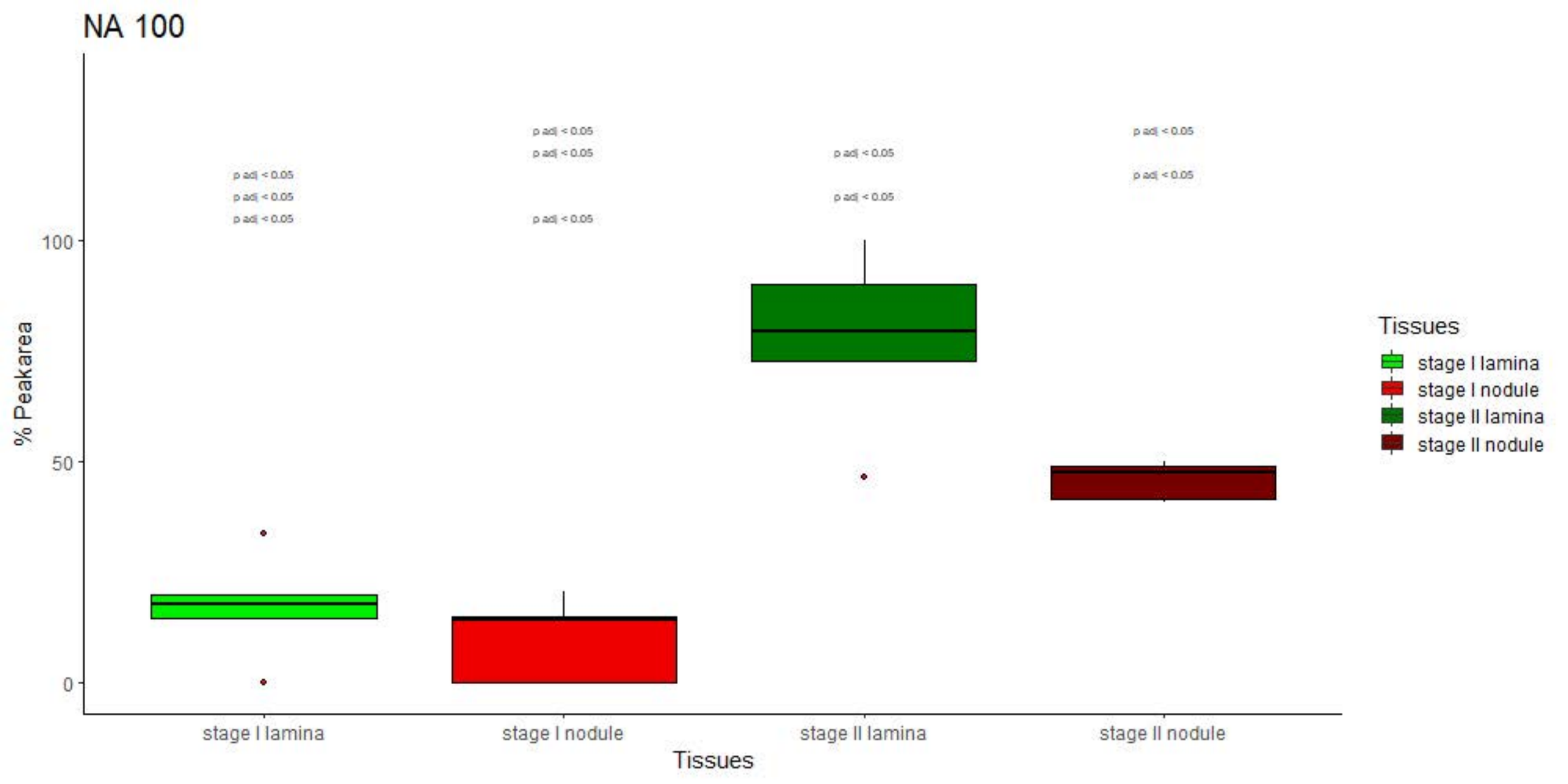
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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% Peakarea
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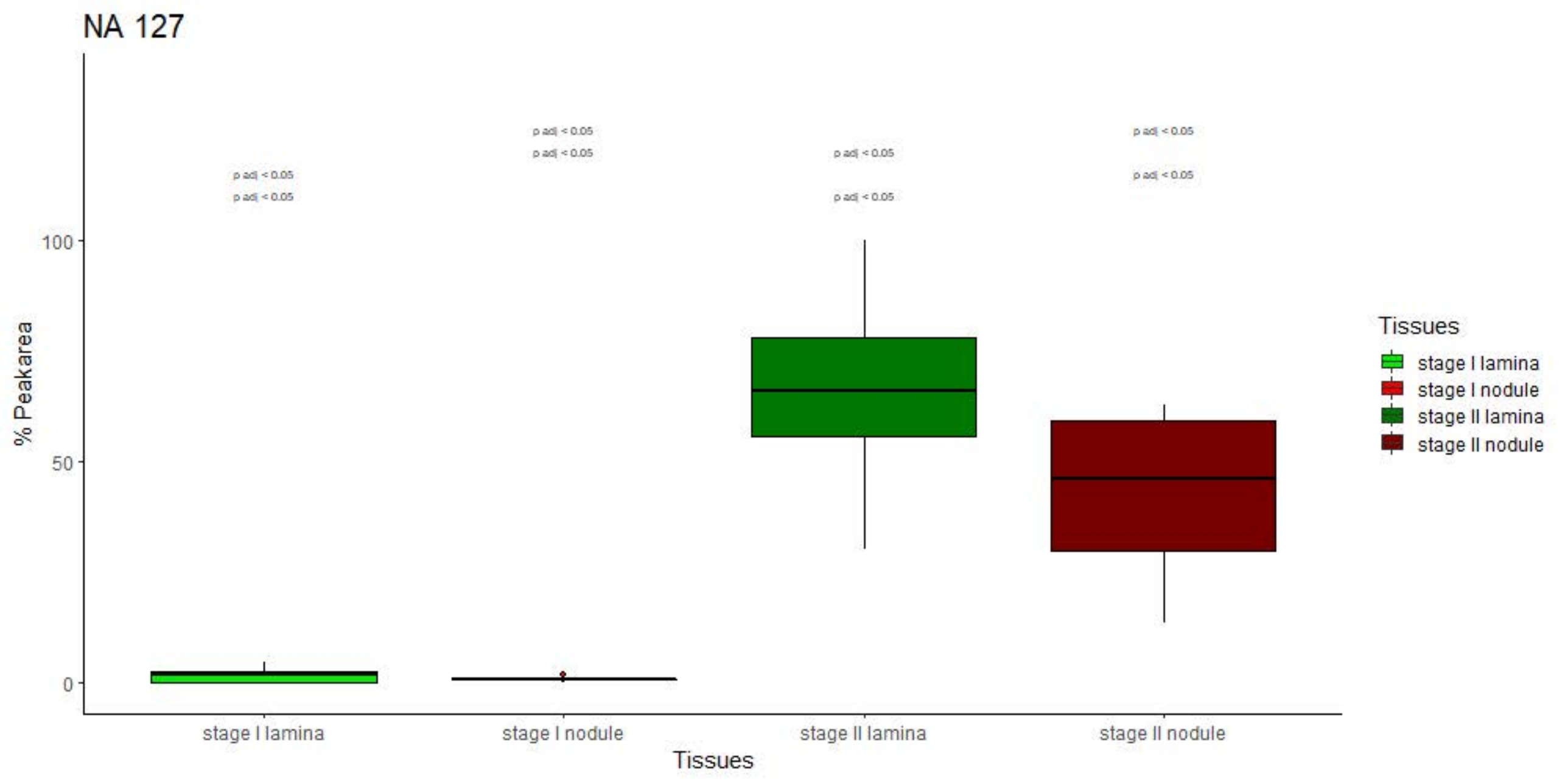
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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% Peakarea
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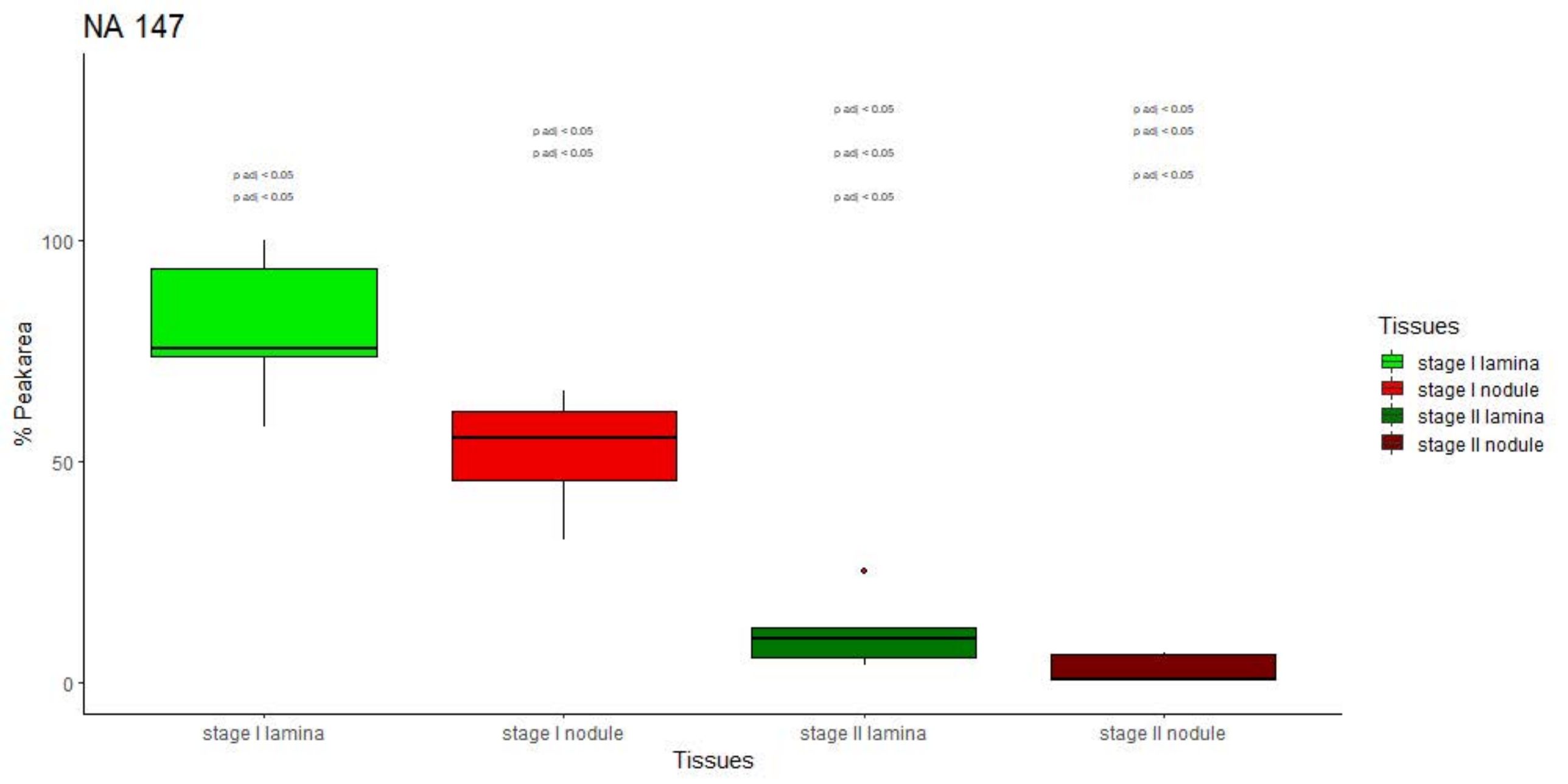
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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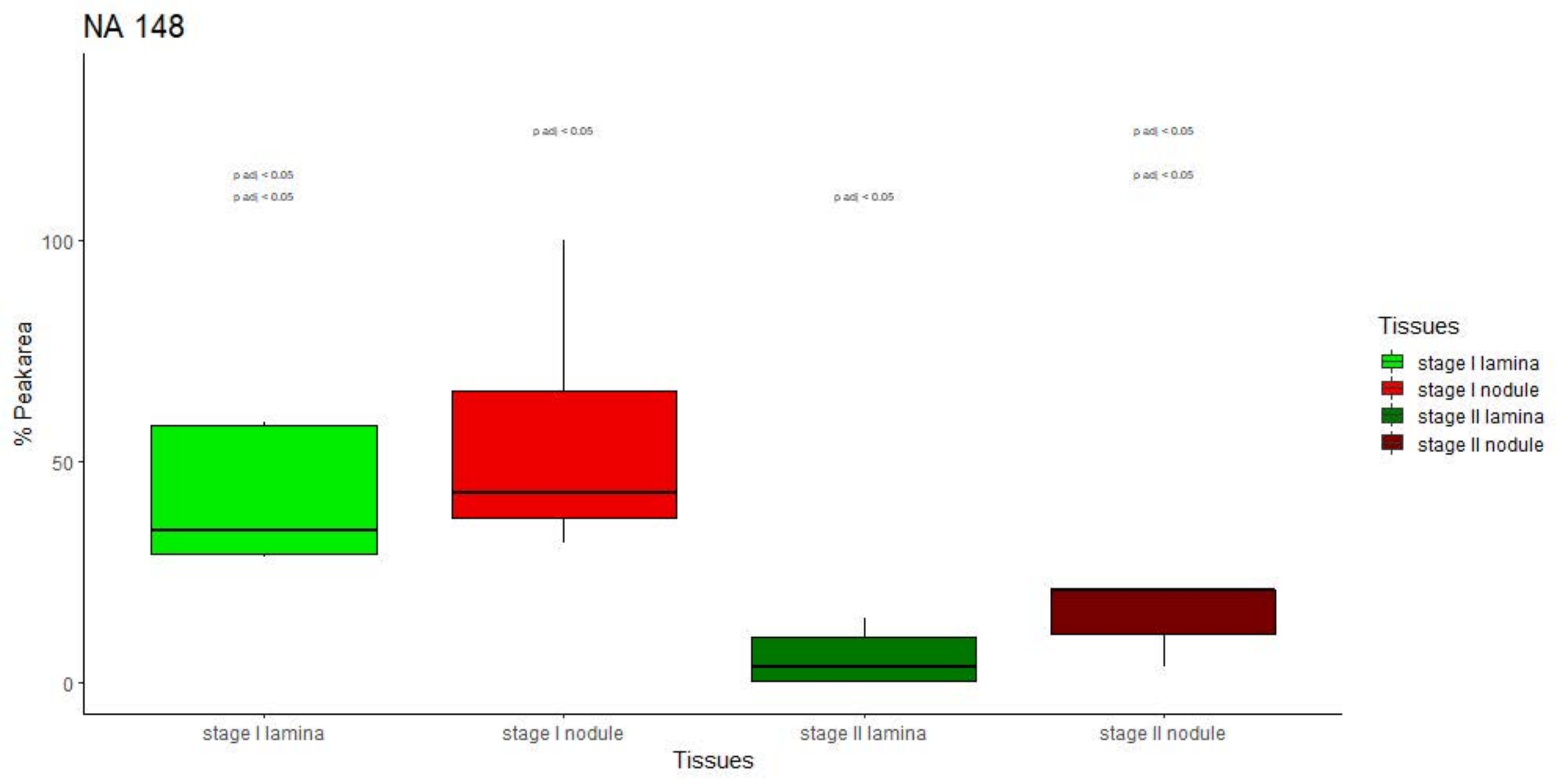
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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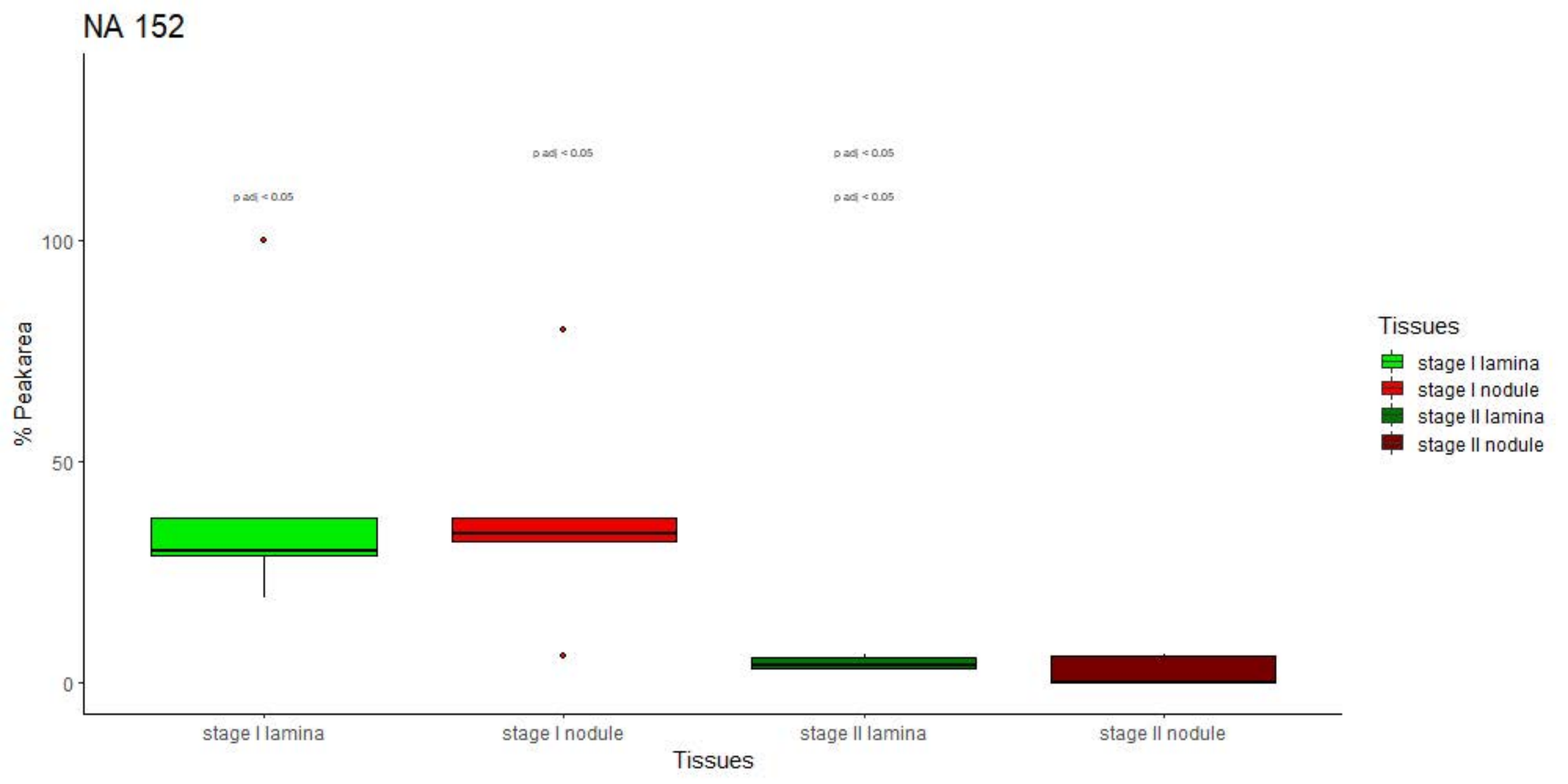
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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Tissues
Tissues
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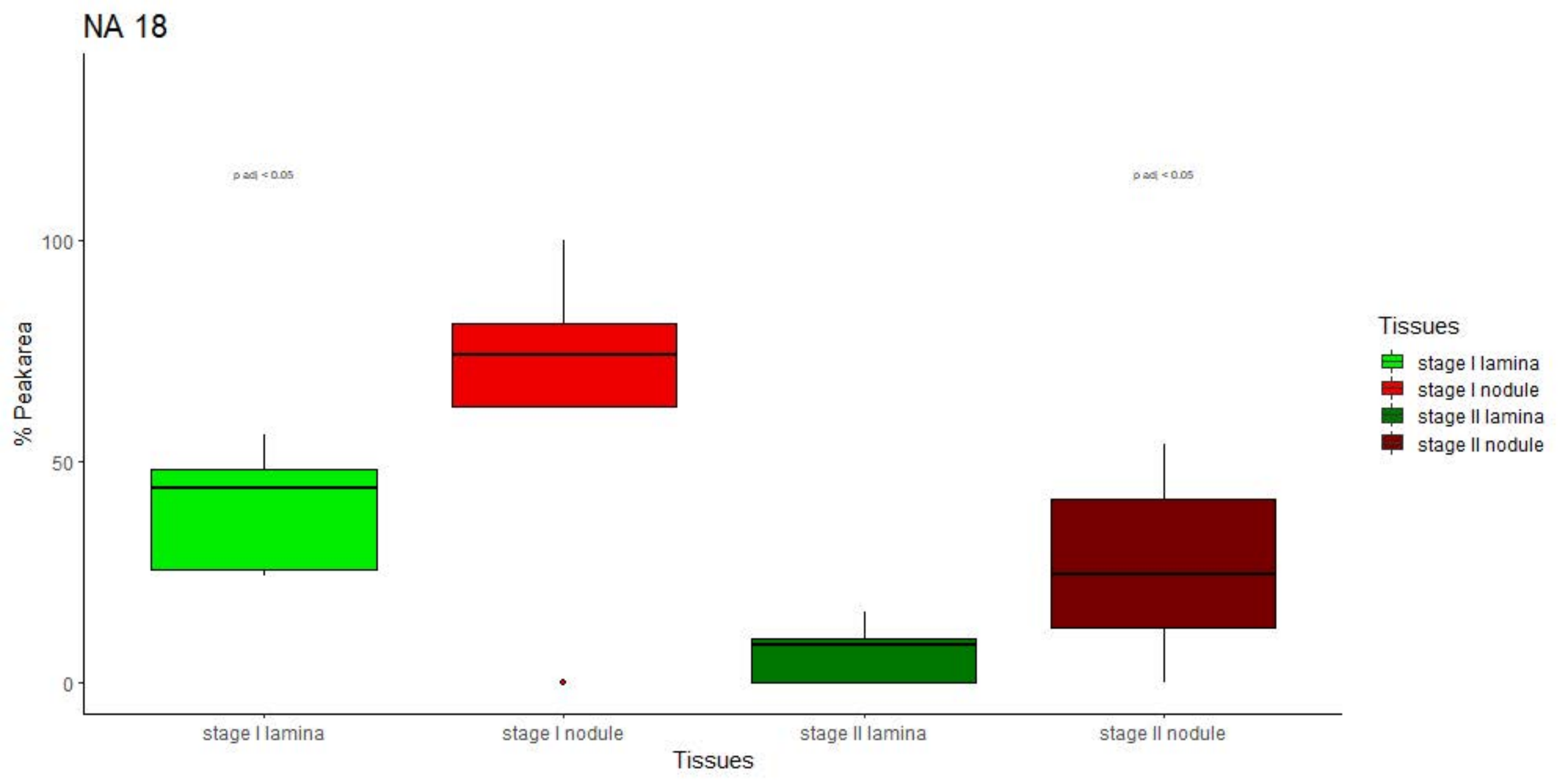
stage I nodule
stage II lamina
stage II nodule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Tissues
Tissues
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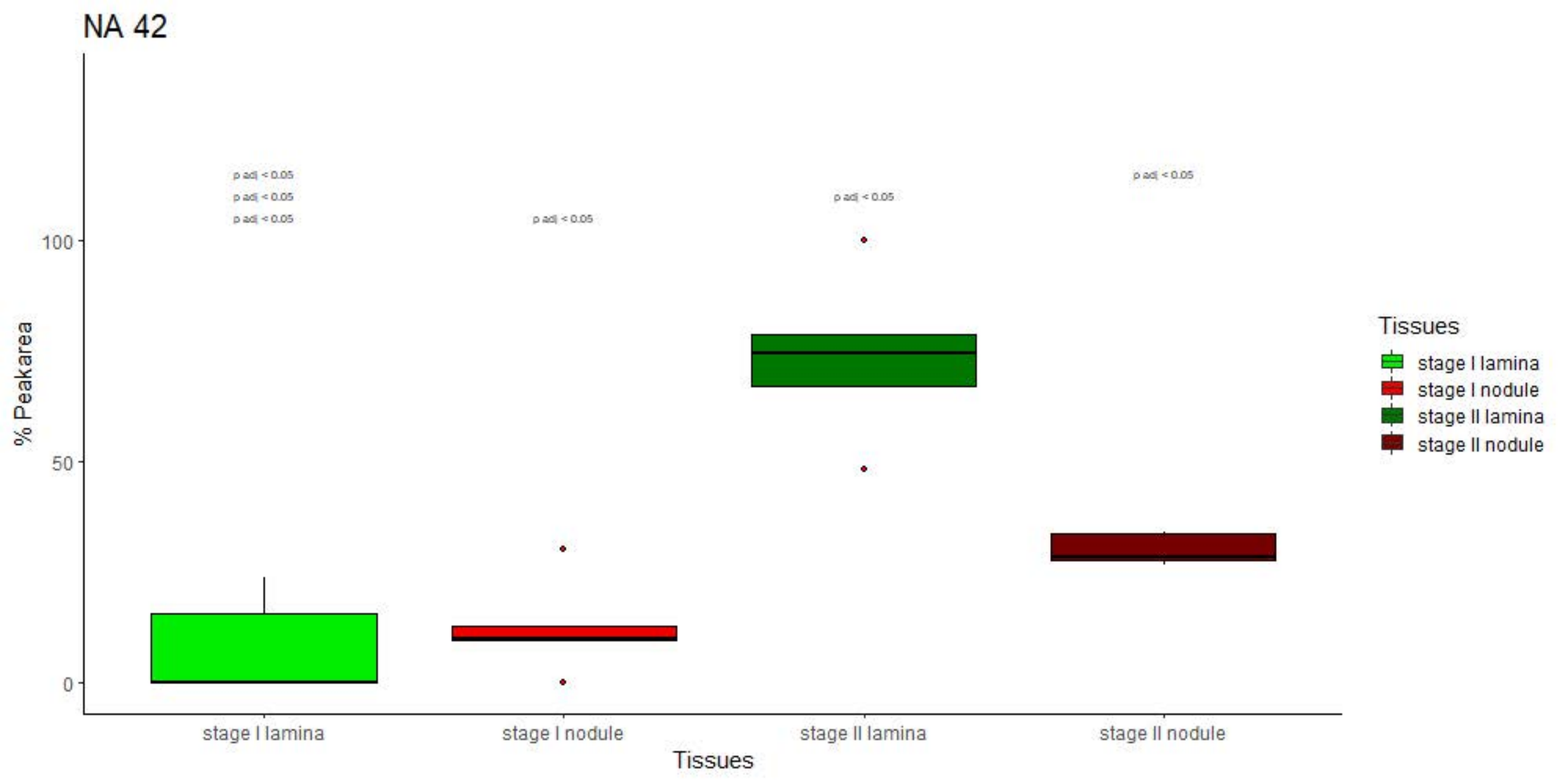
stage I nodule
stage II lamina
stage II nodule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stage II nodule
Tissues
Tissues
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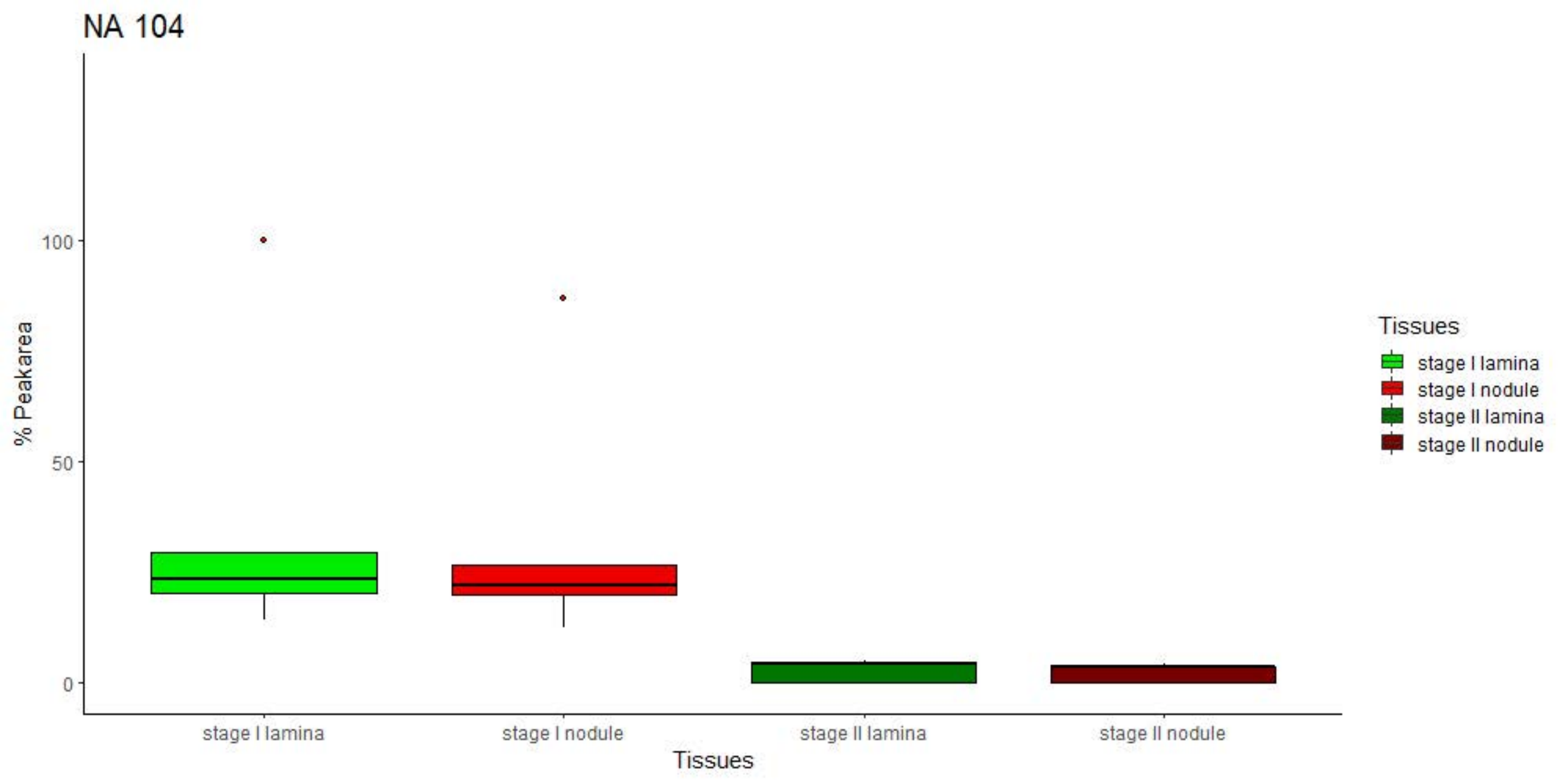
stage I nodule
stage II lamina
stage II nodule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Tissues
Tissues
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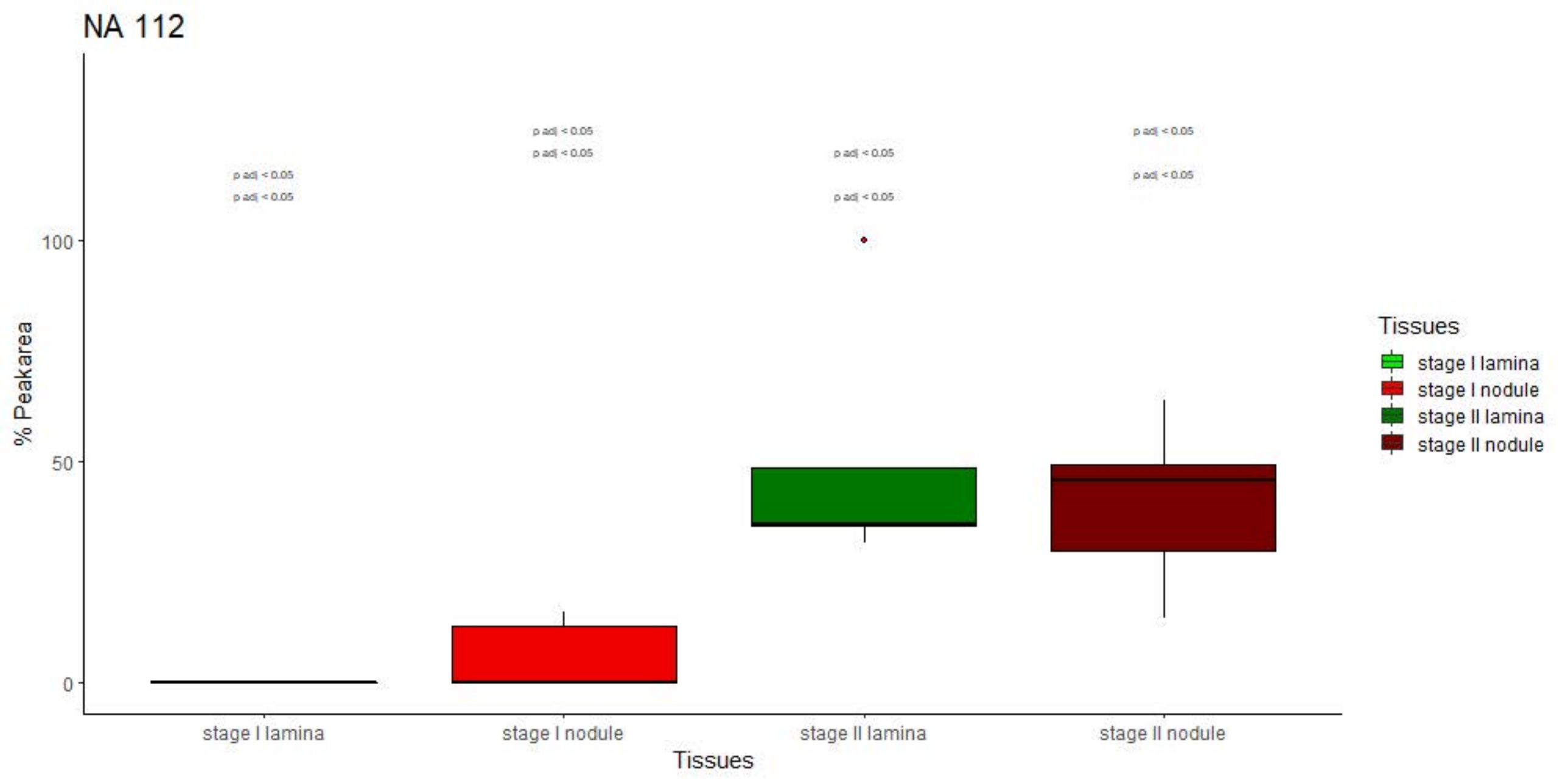
stage II nodule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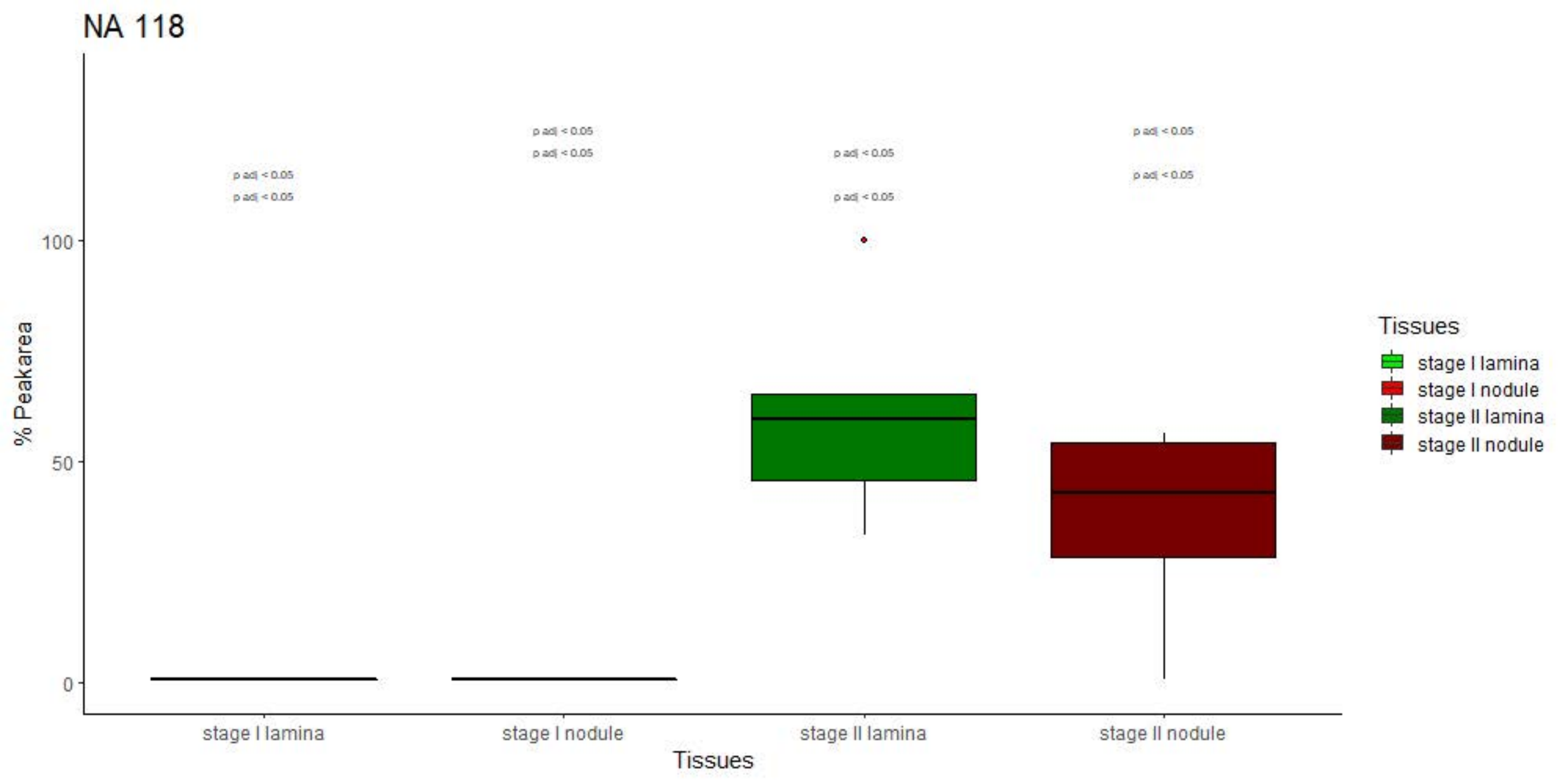
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
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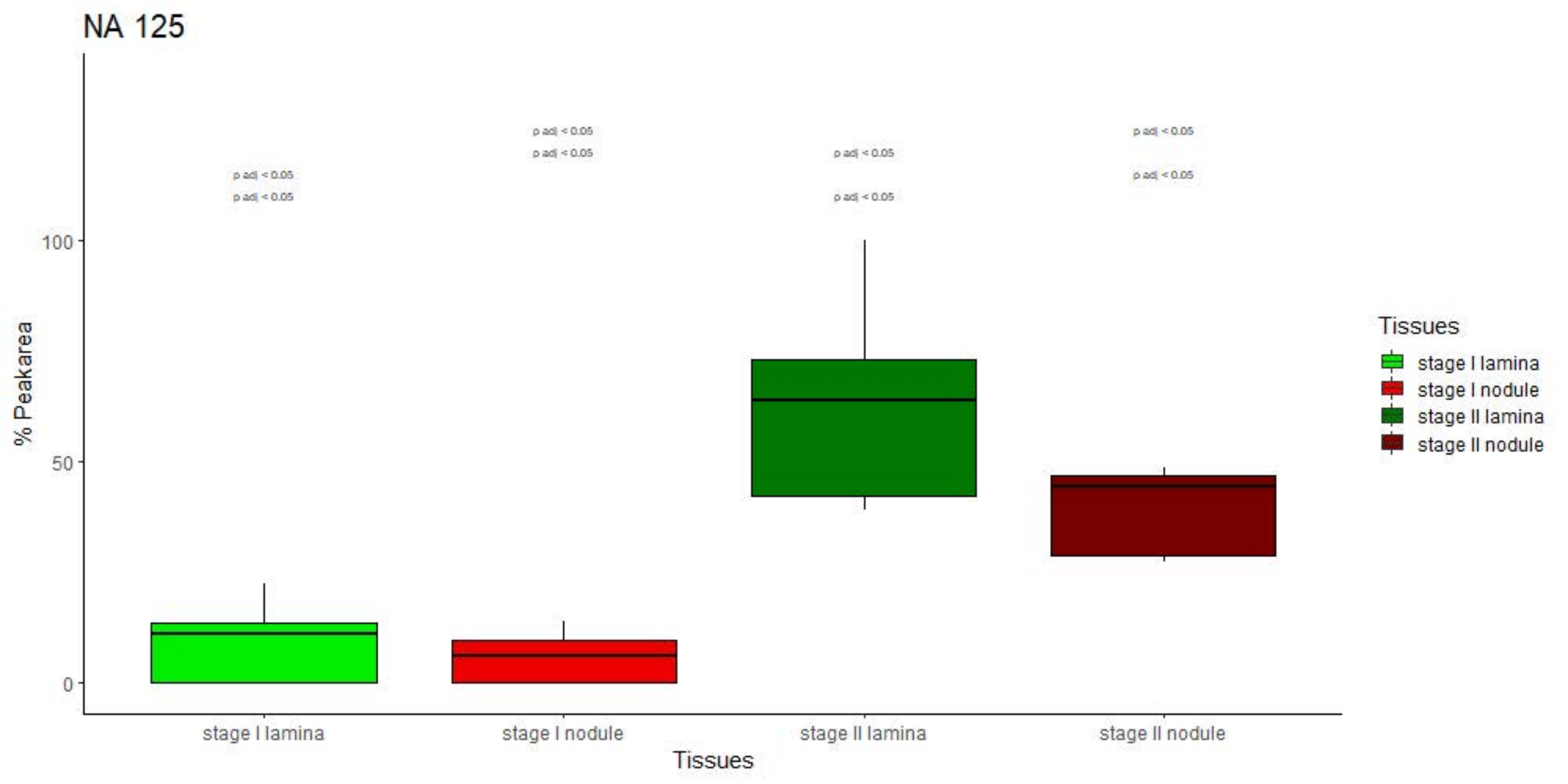
stage II nodule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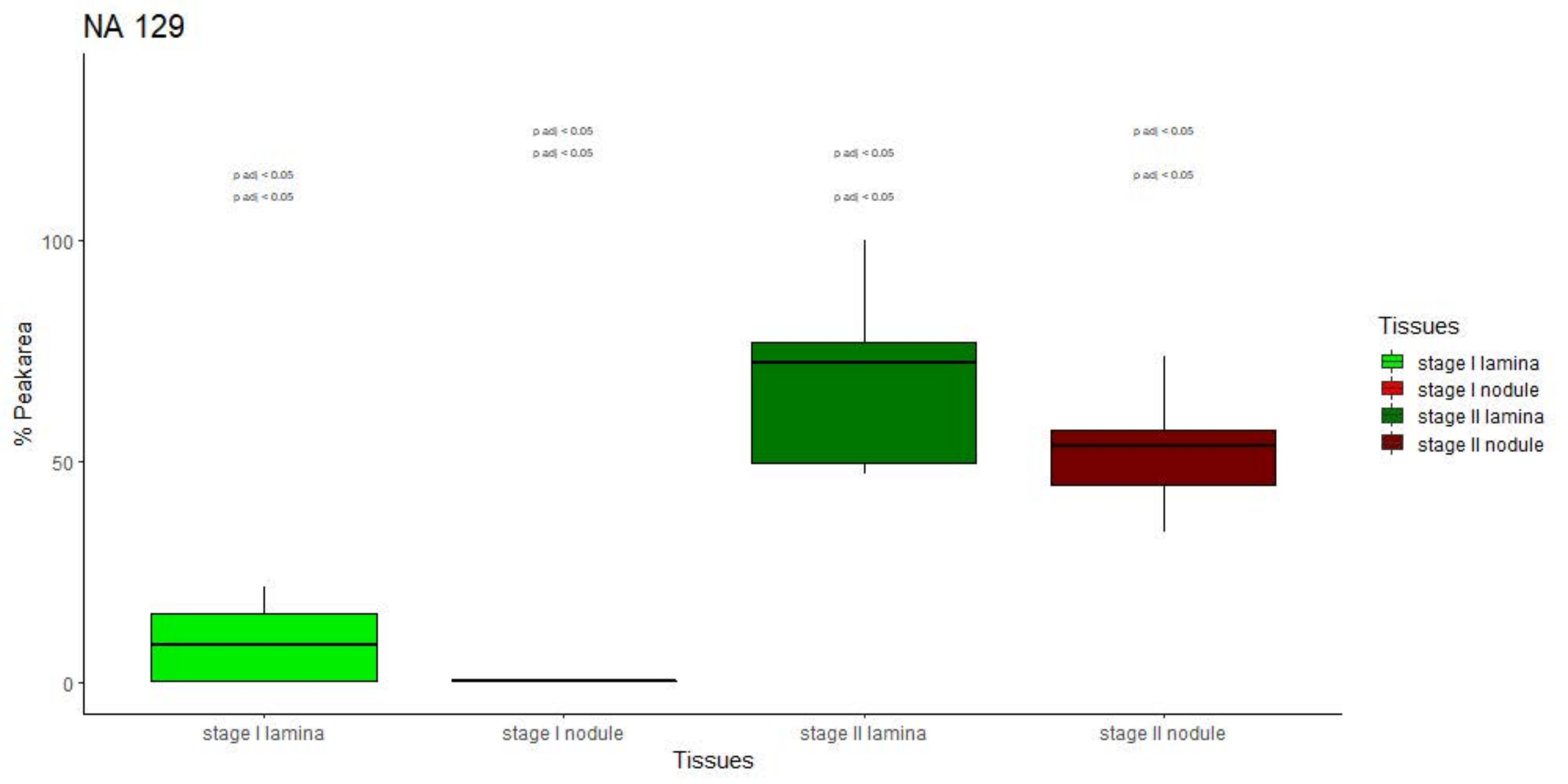
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
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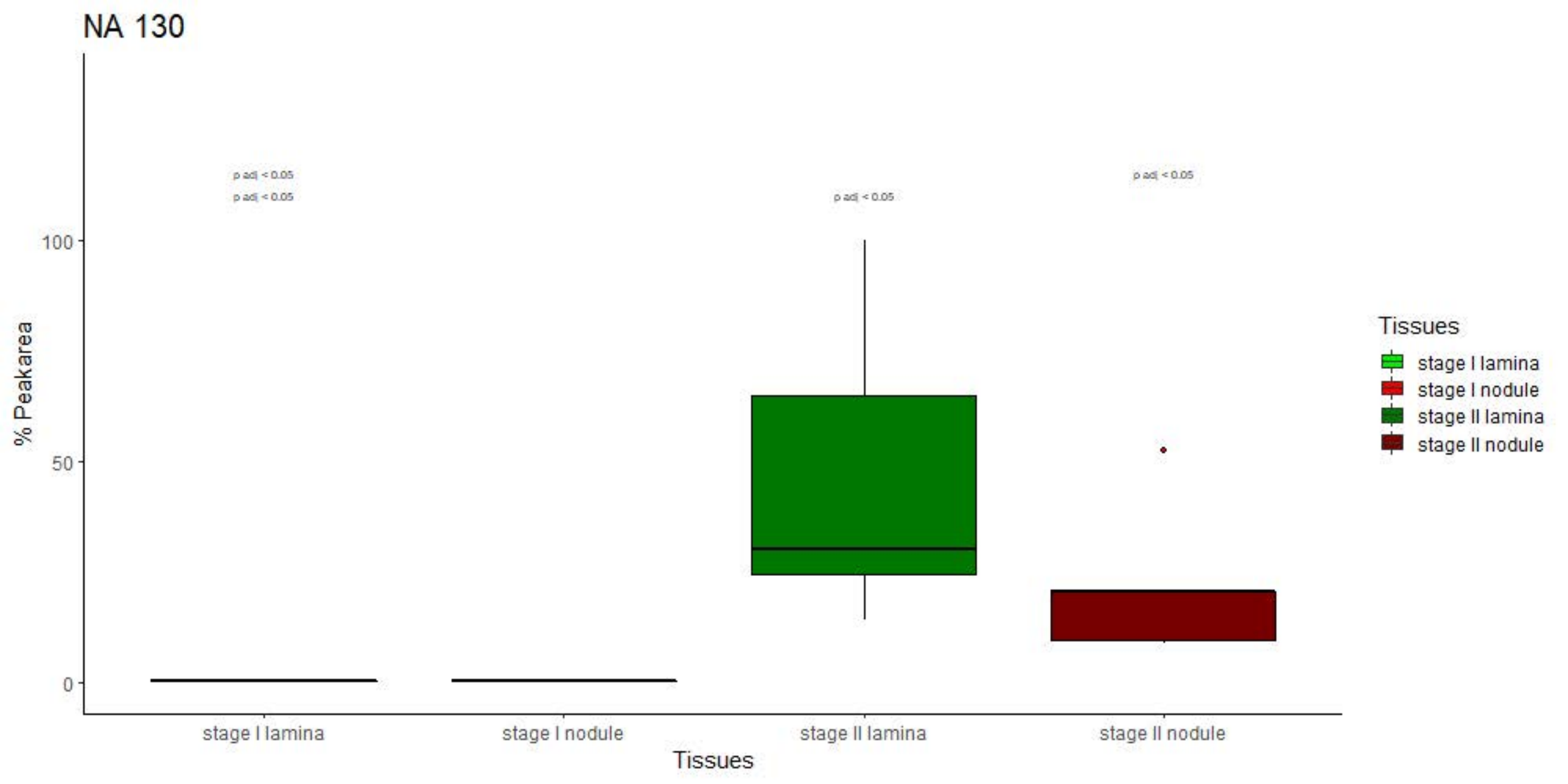
stage I nodule
stage II lamina
stage II nodule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stage II nodule
Tissues
Tissues
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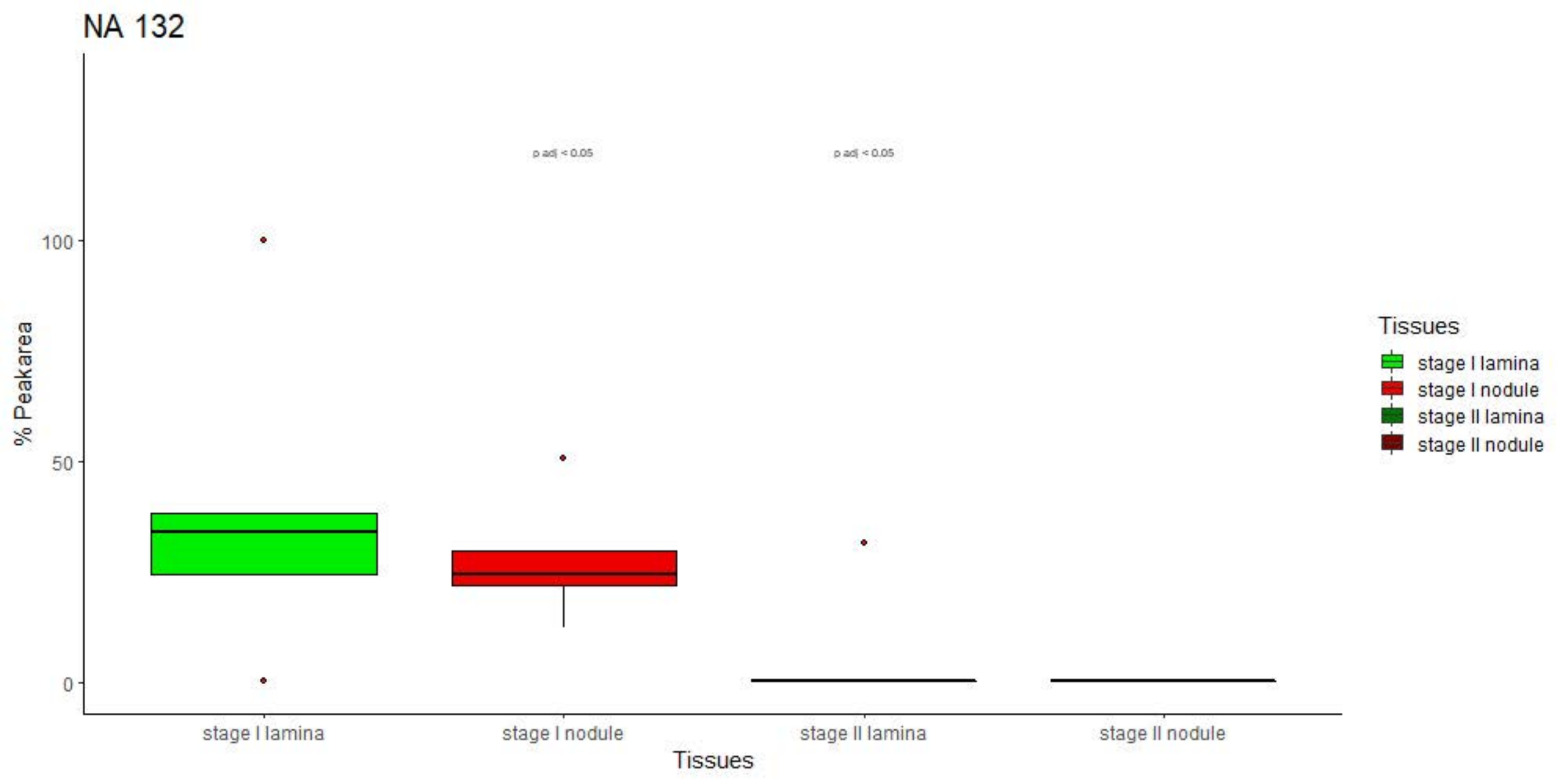
stage I nodule
stage II lamina
stage II nodule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Tissues
Tissues
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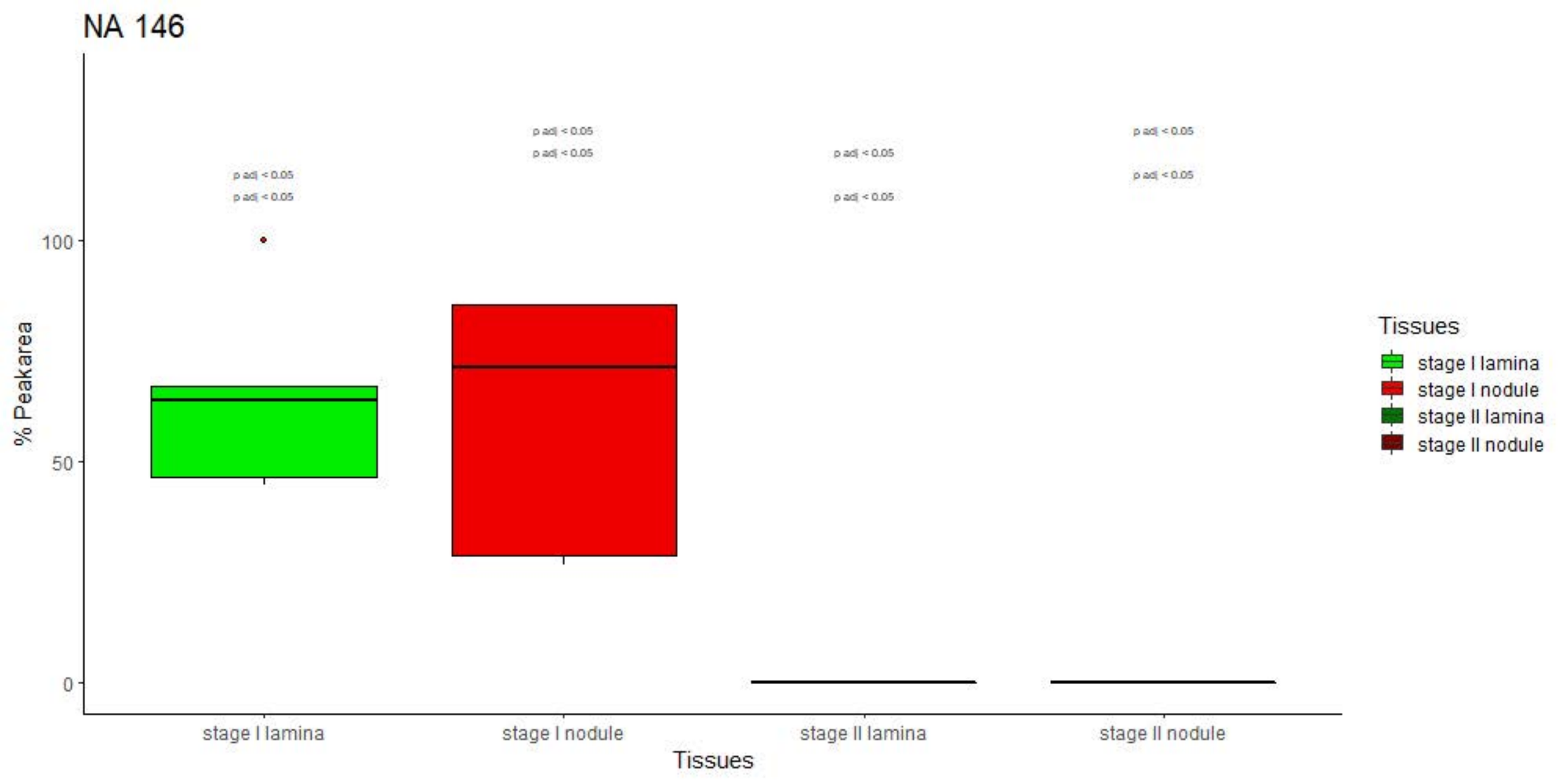
stage I nodule
stage II lamina
stage II nodule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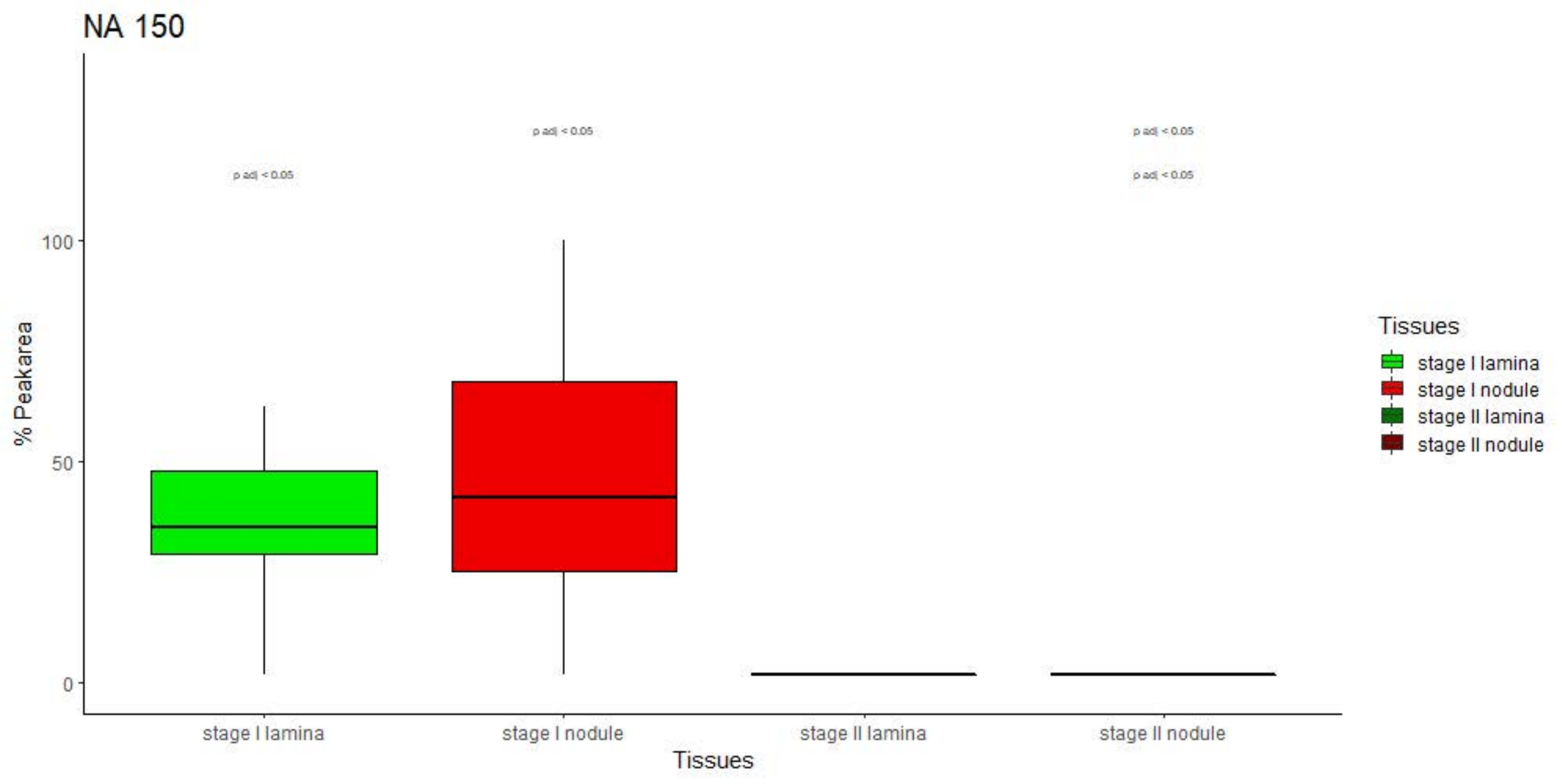
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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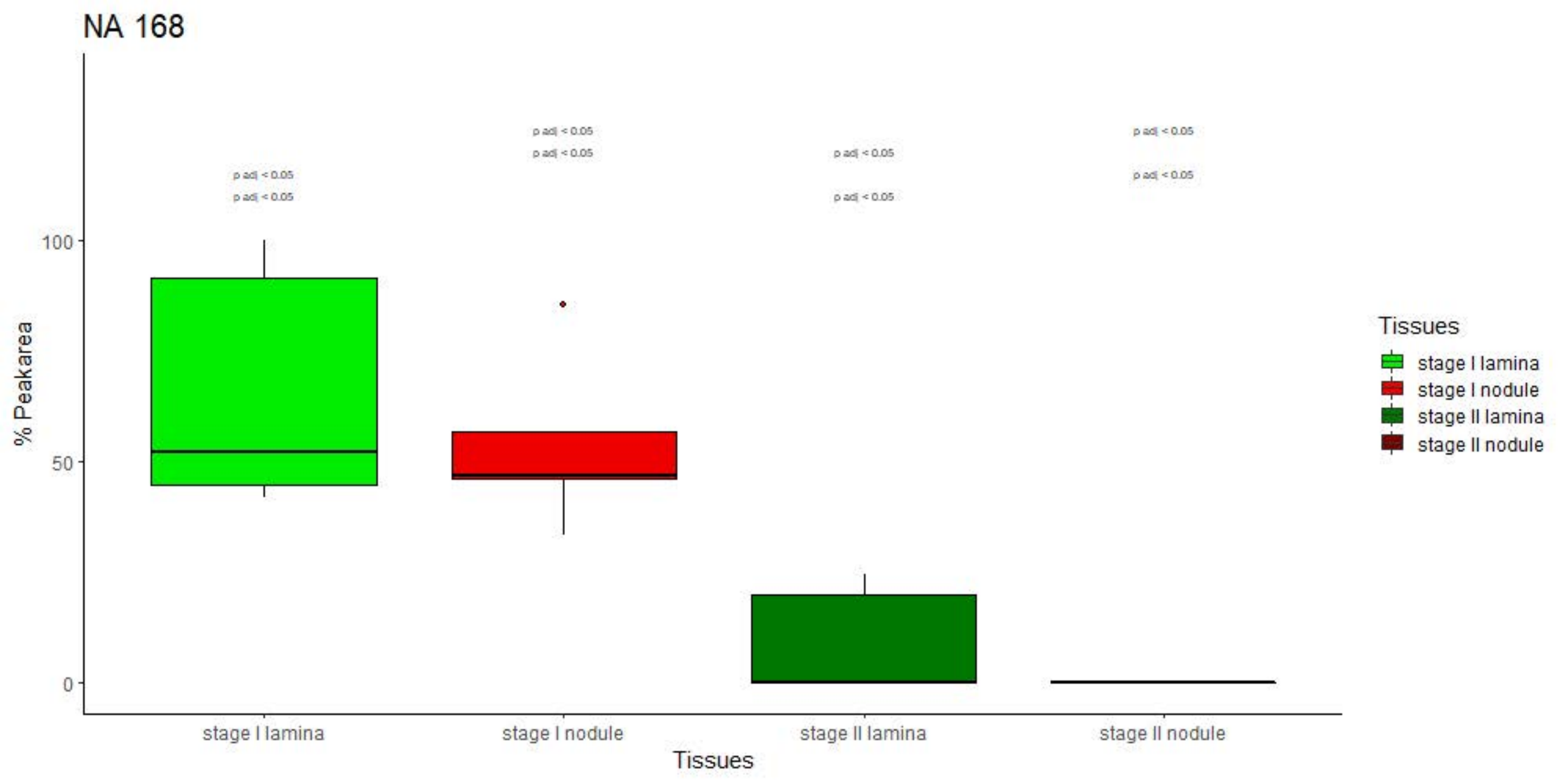
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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% Peakarea
stage I lamina
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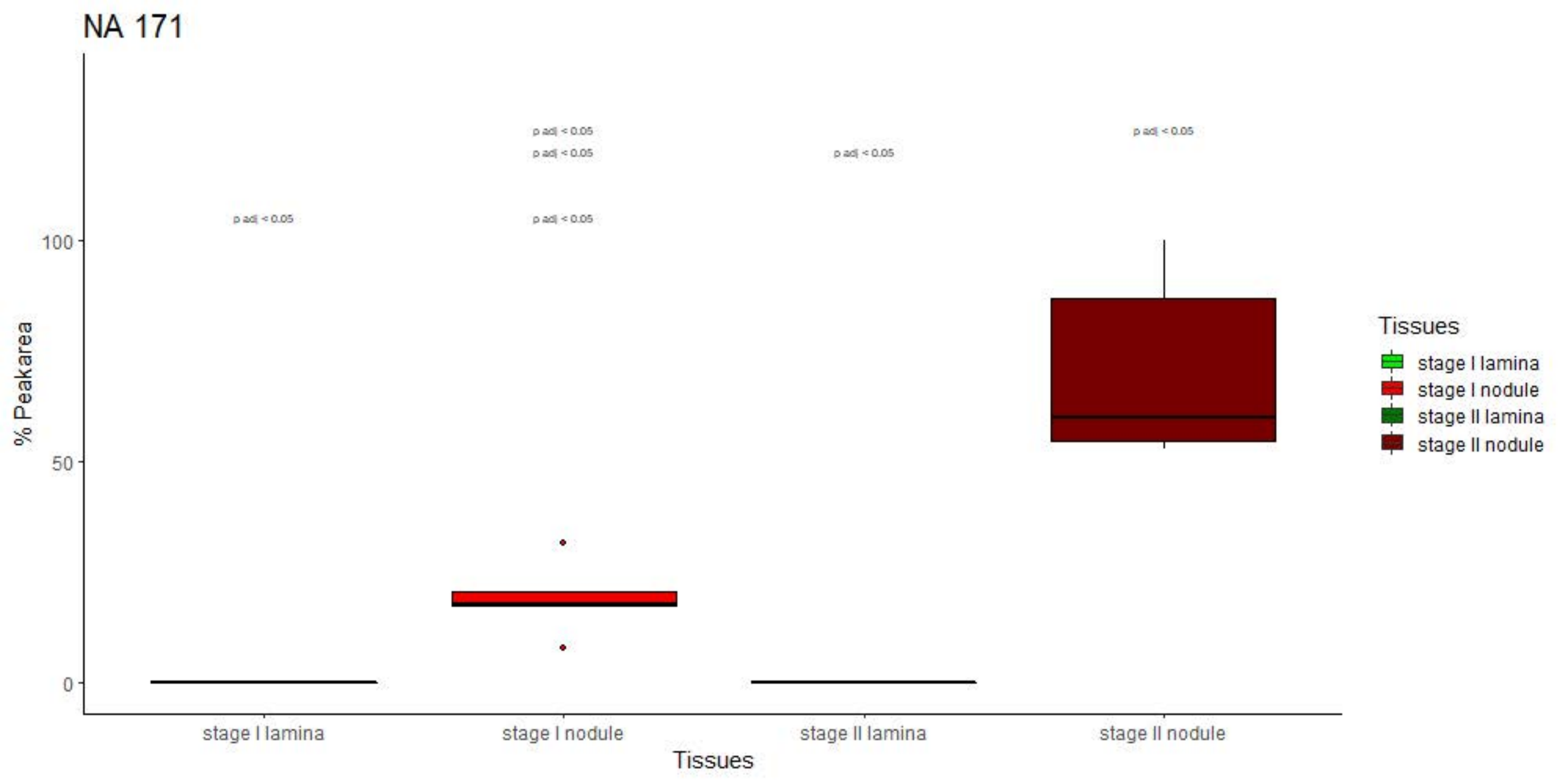
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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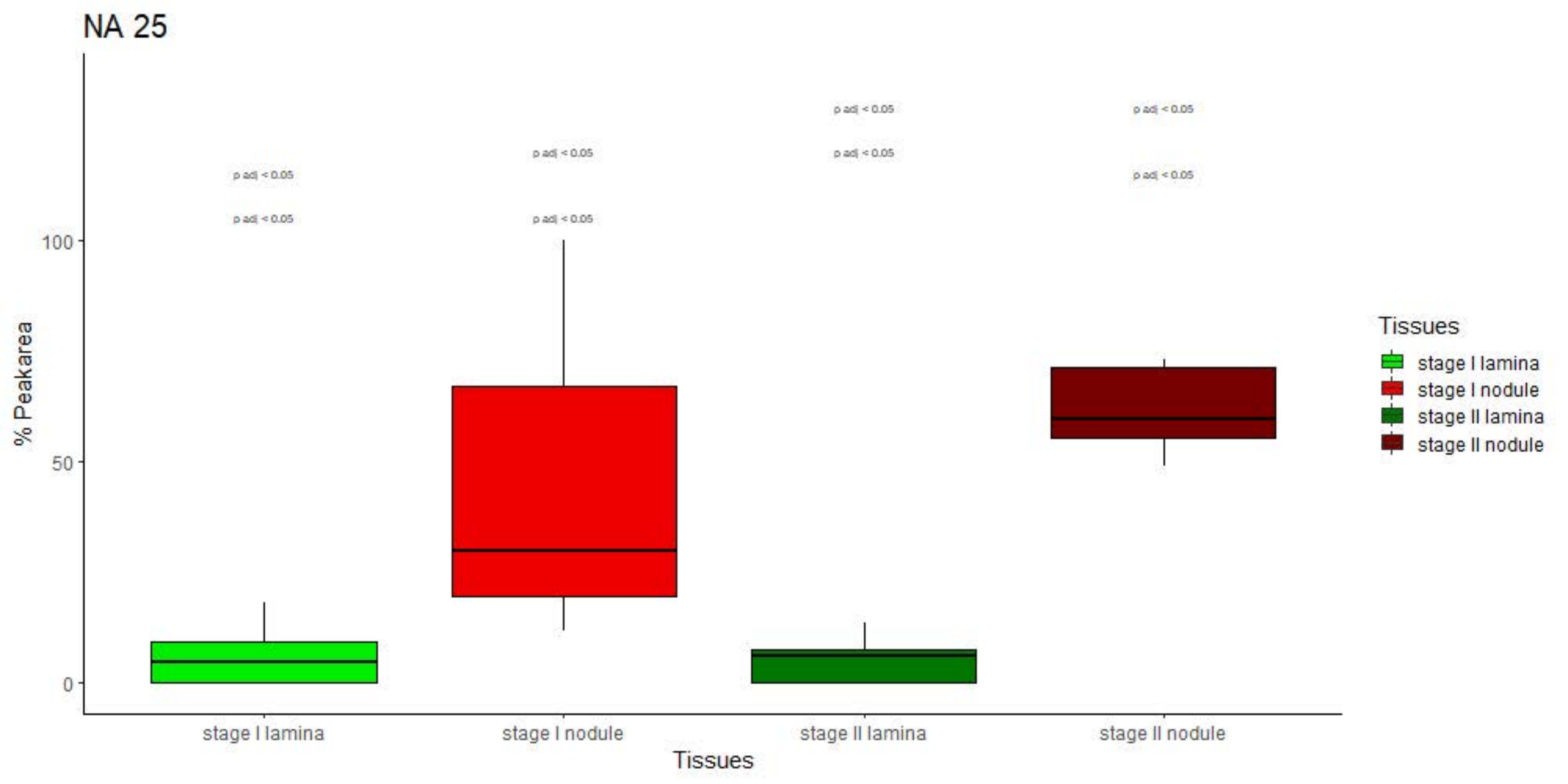
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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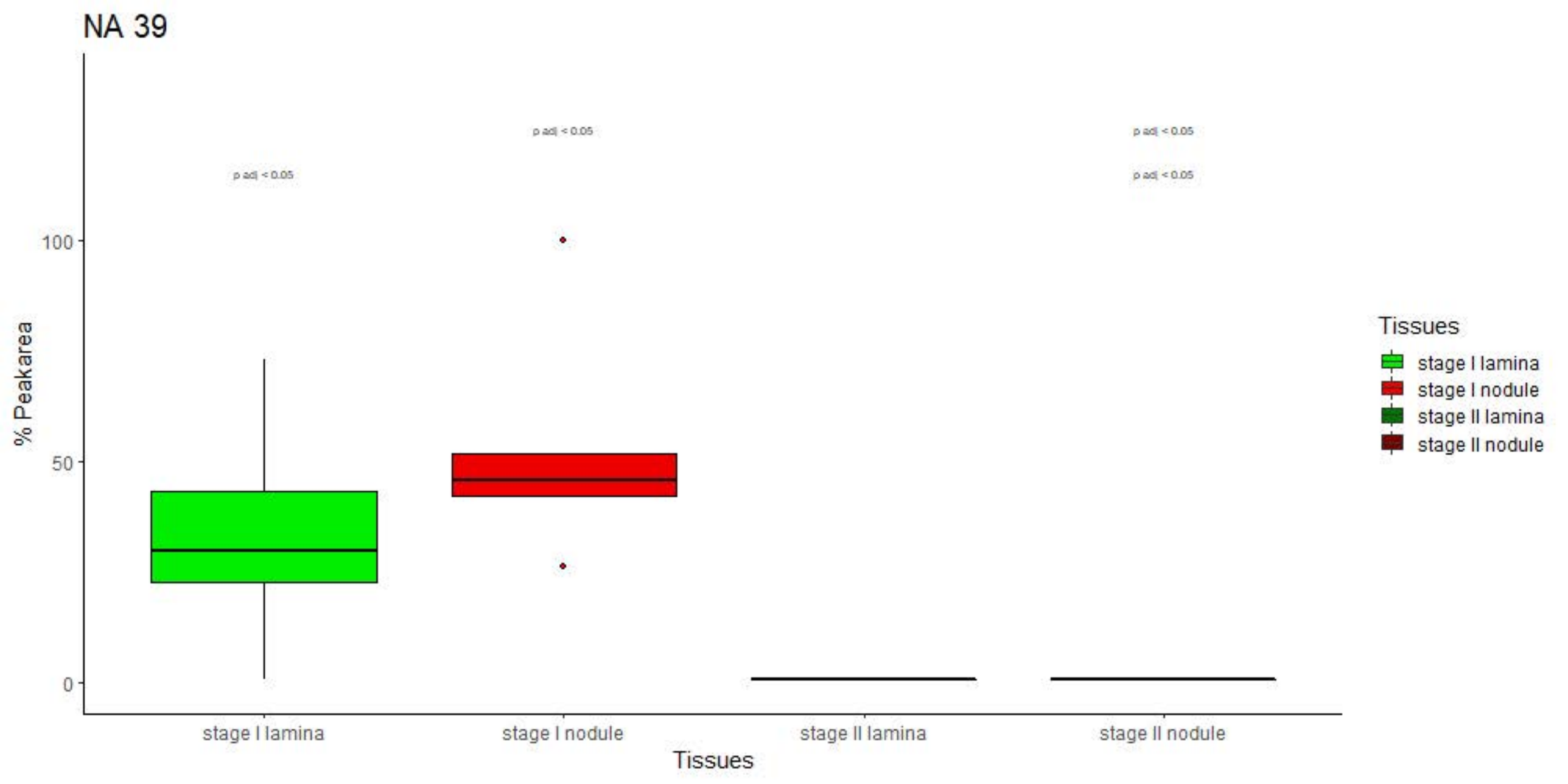
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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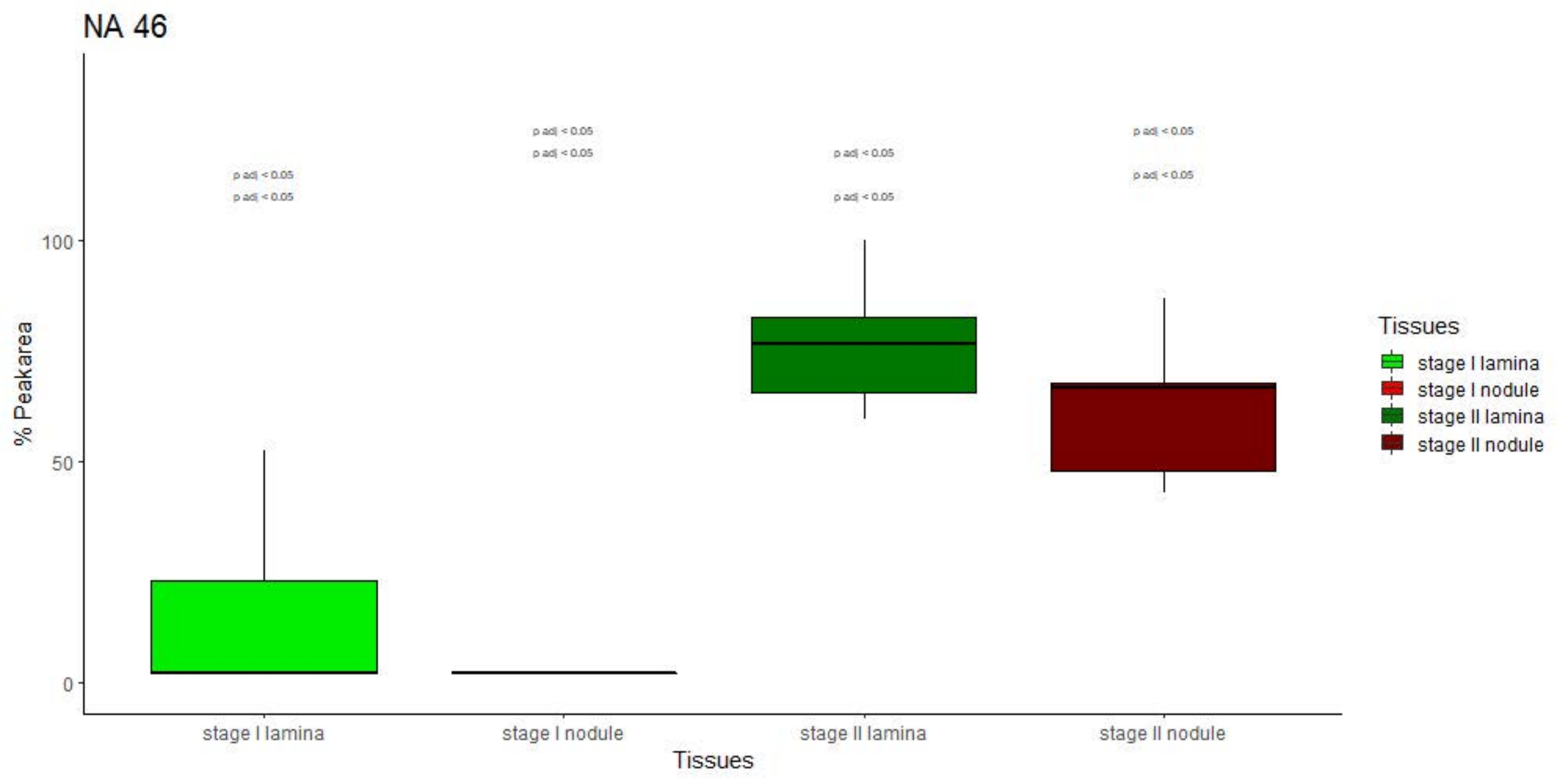
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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% Peakarea
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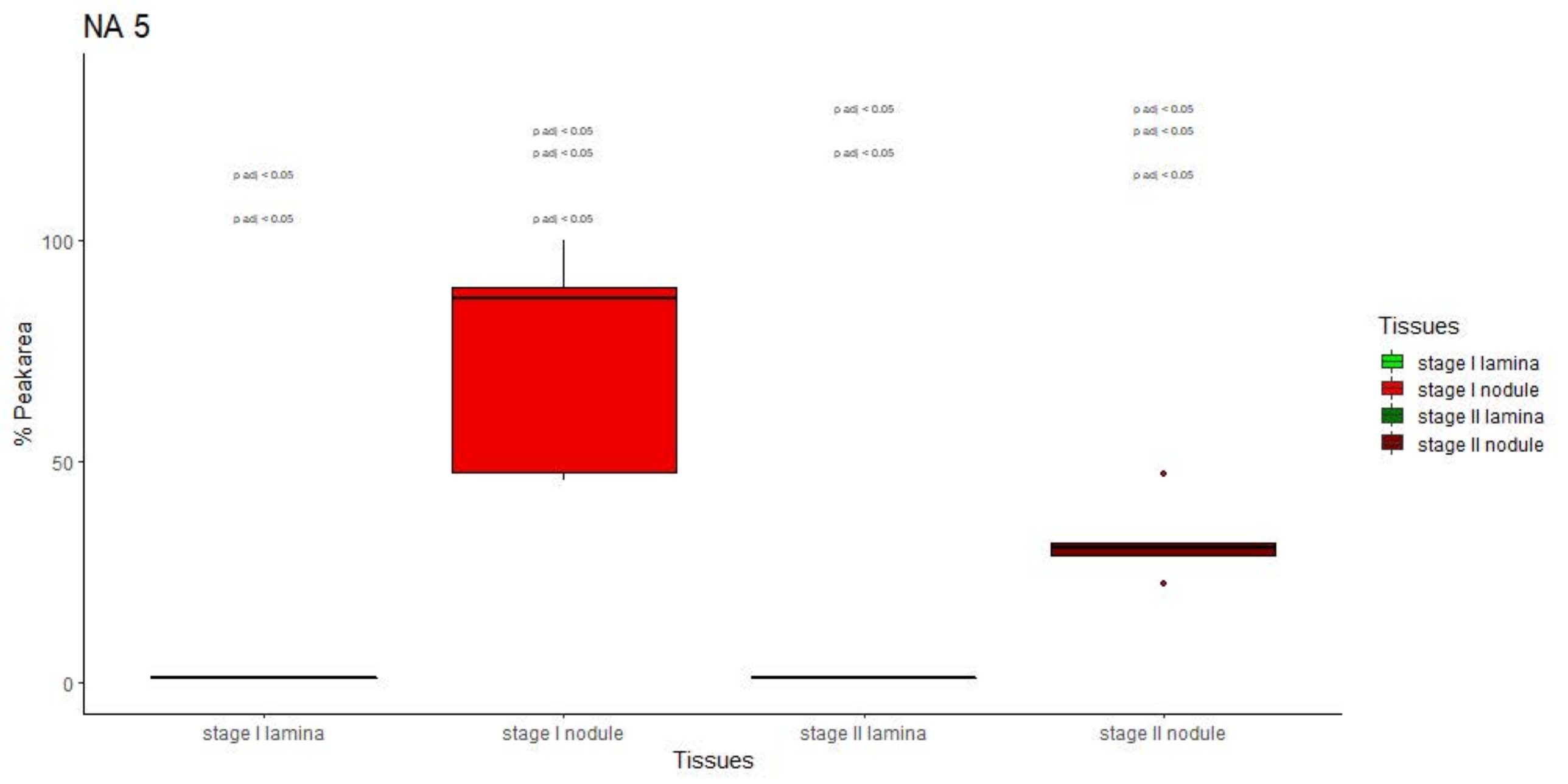
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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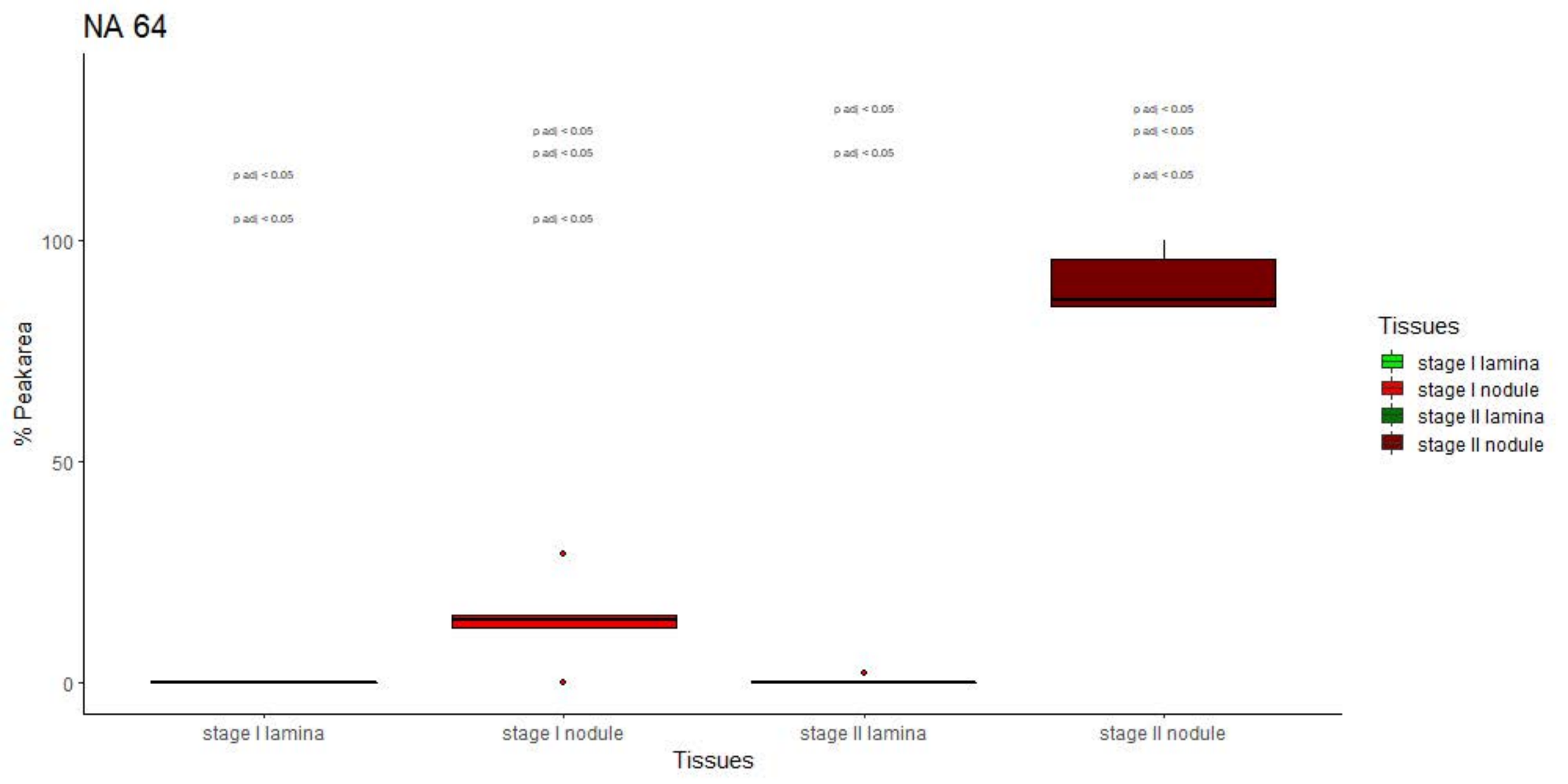
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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% Peakarea
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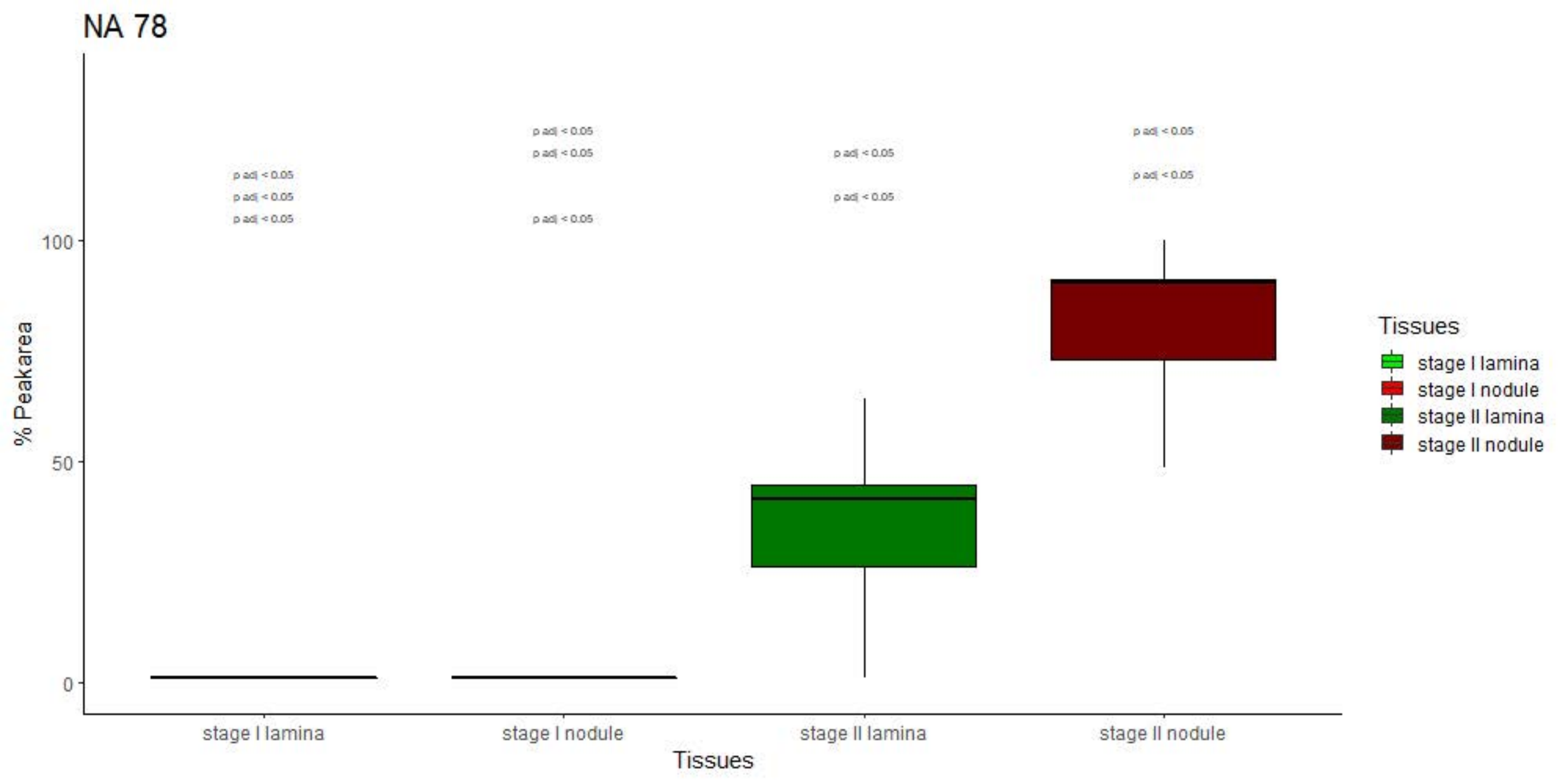
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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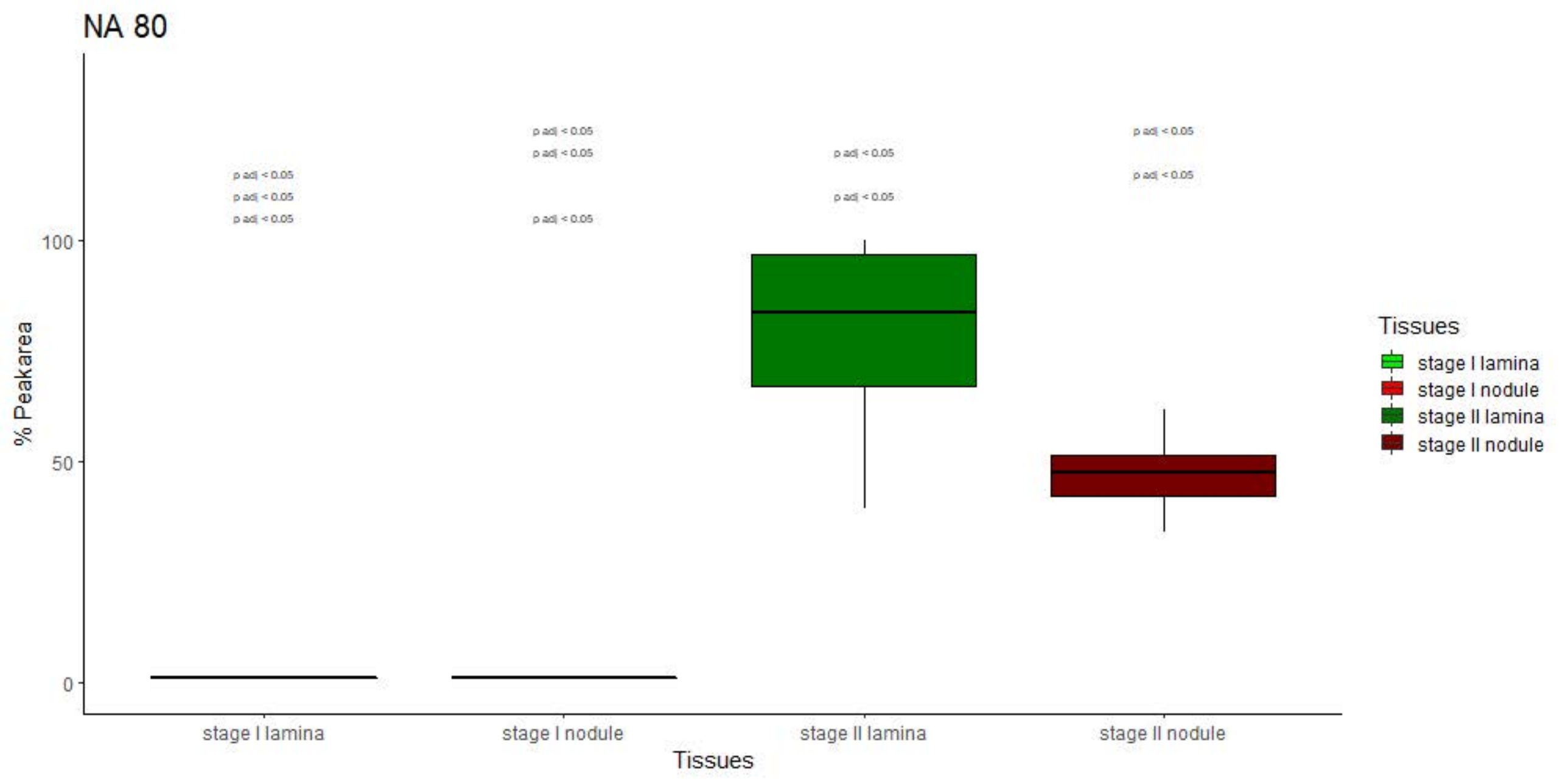
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule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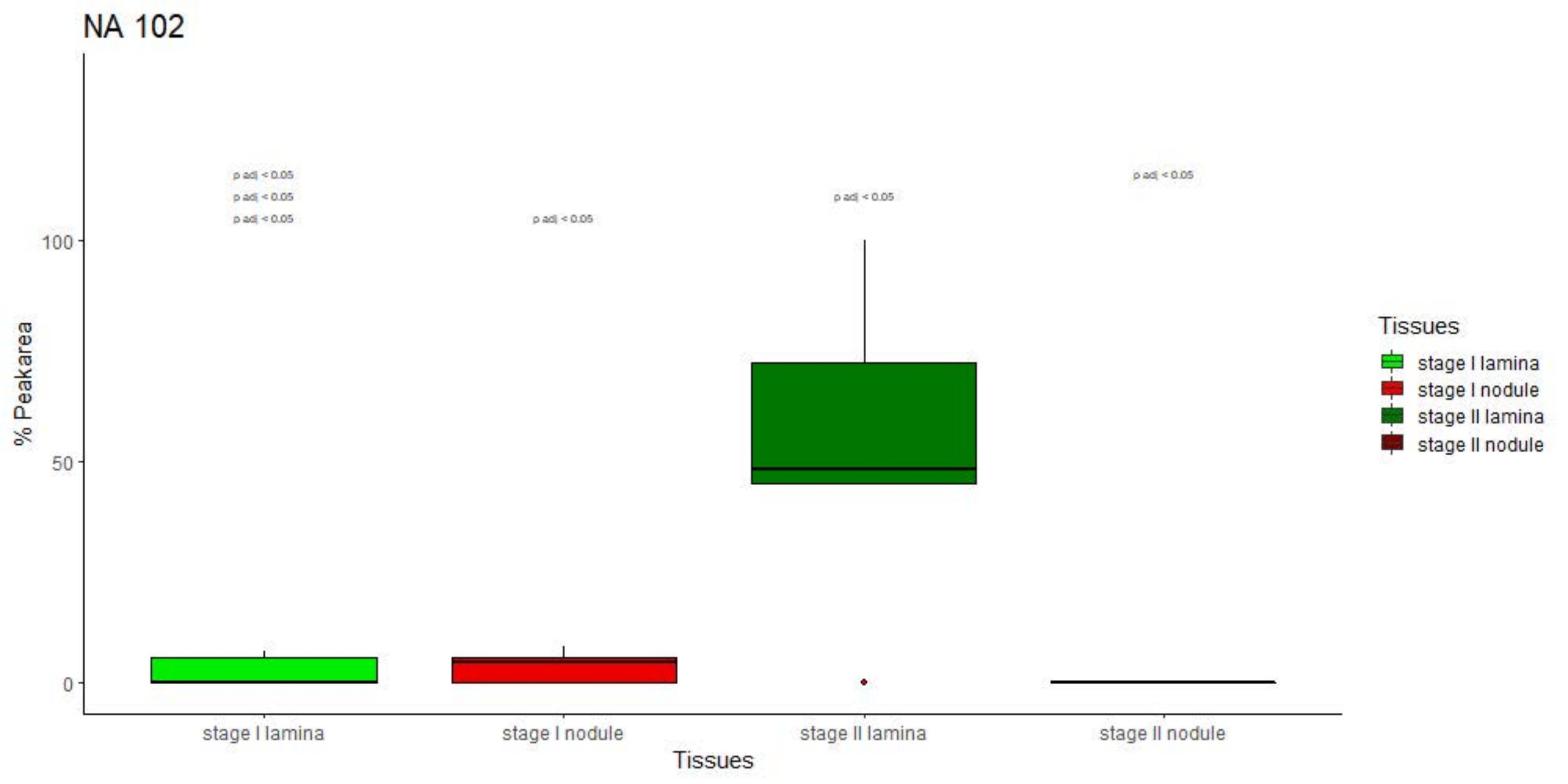
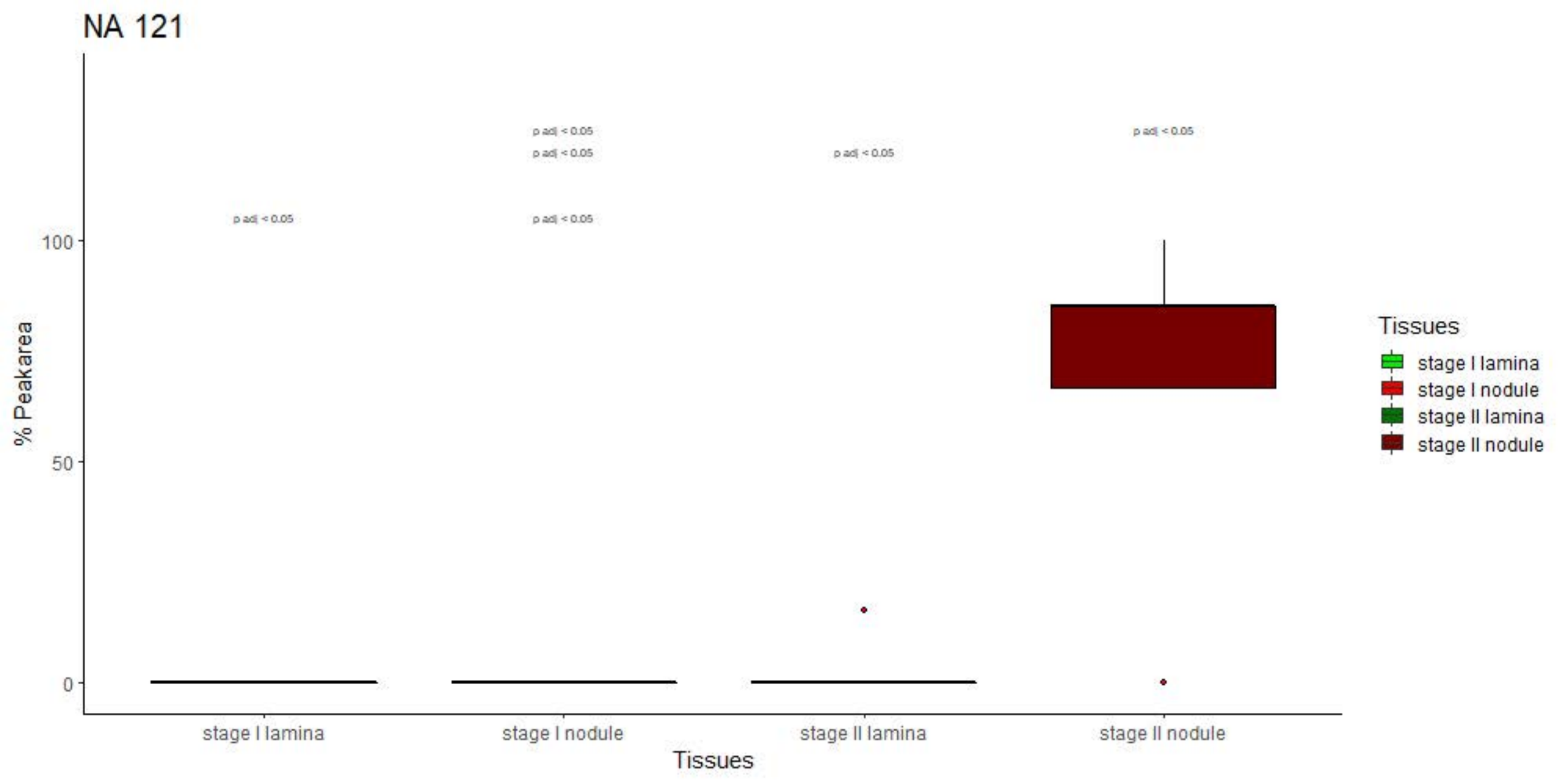
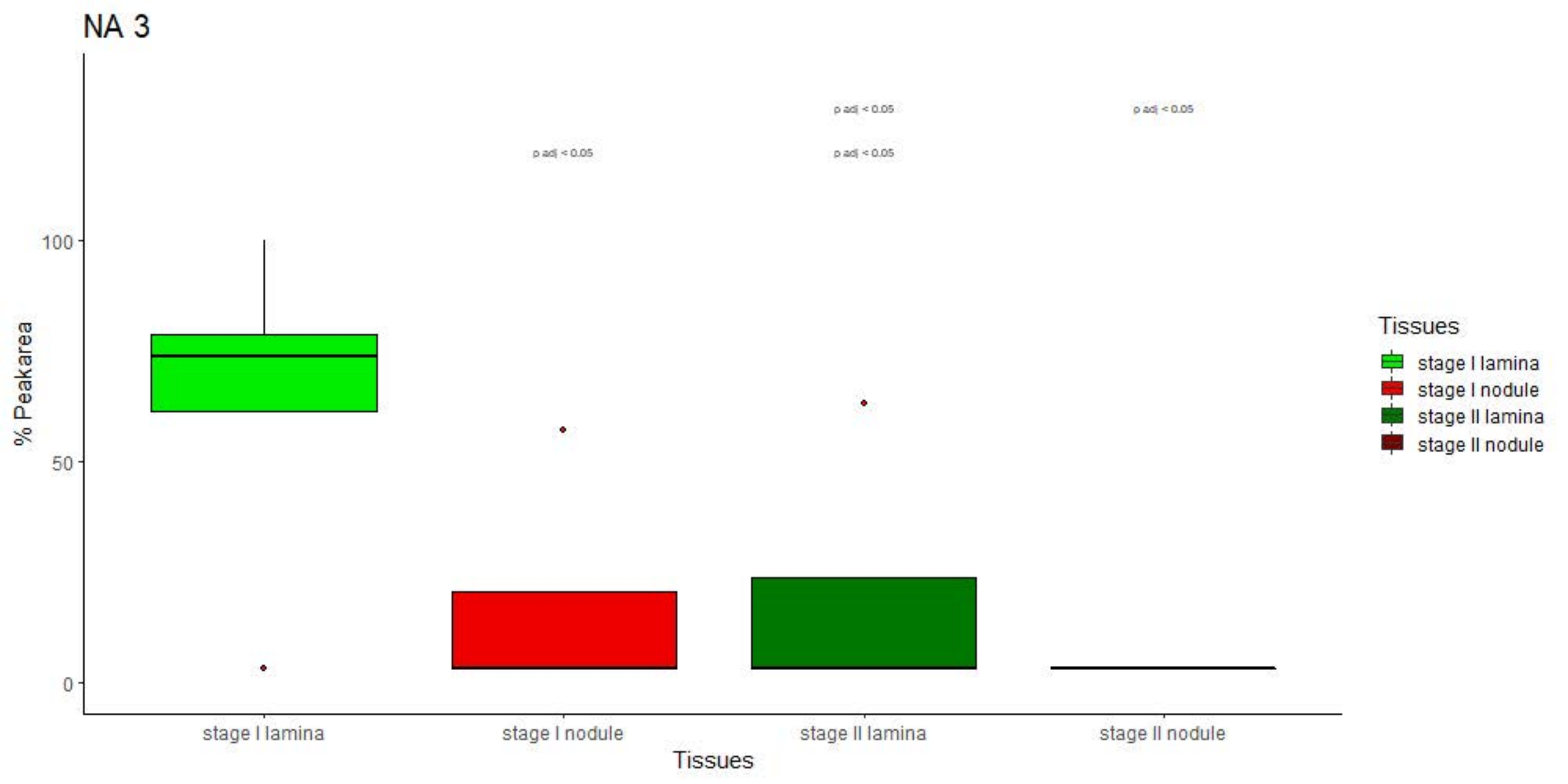
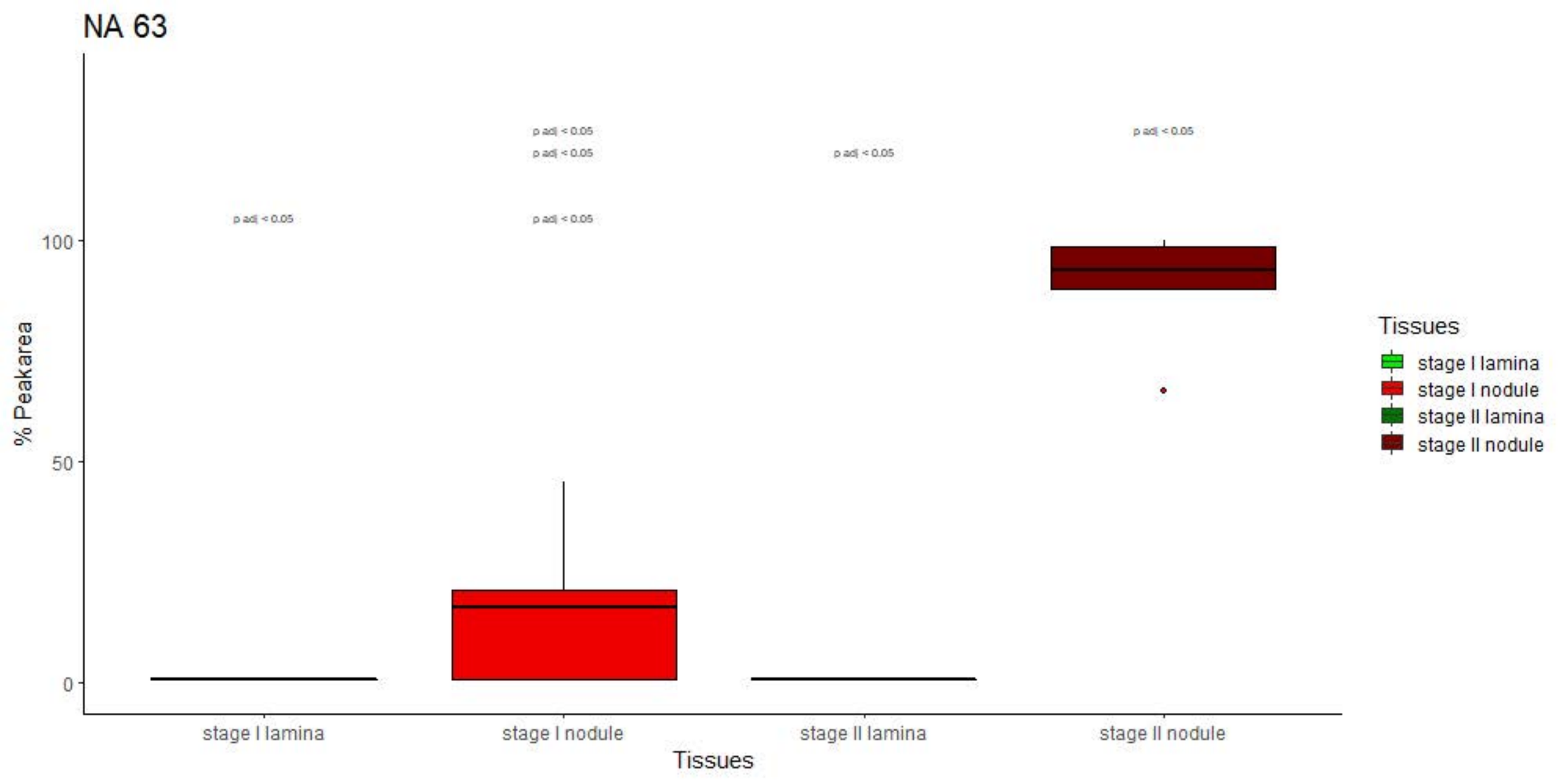
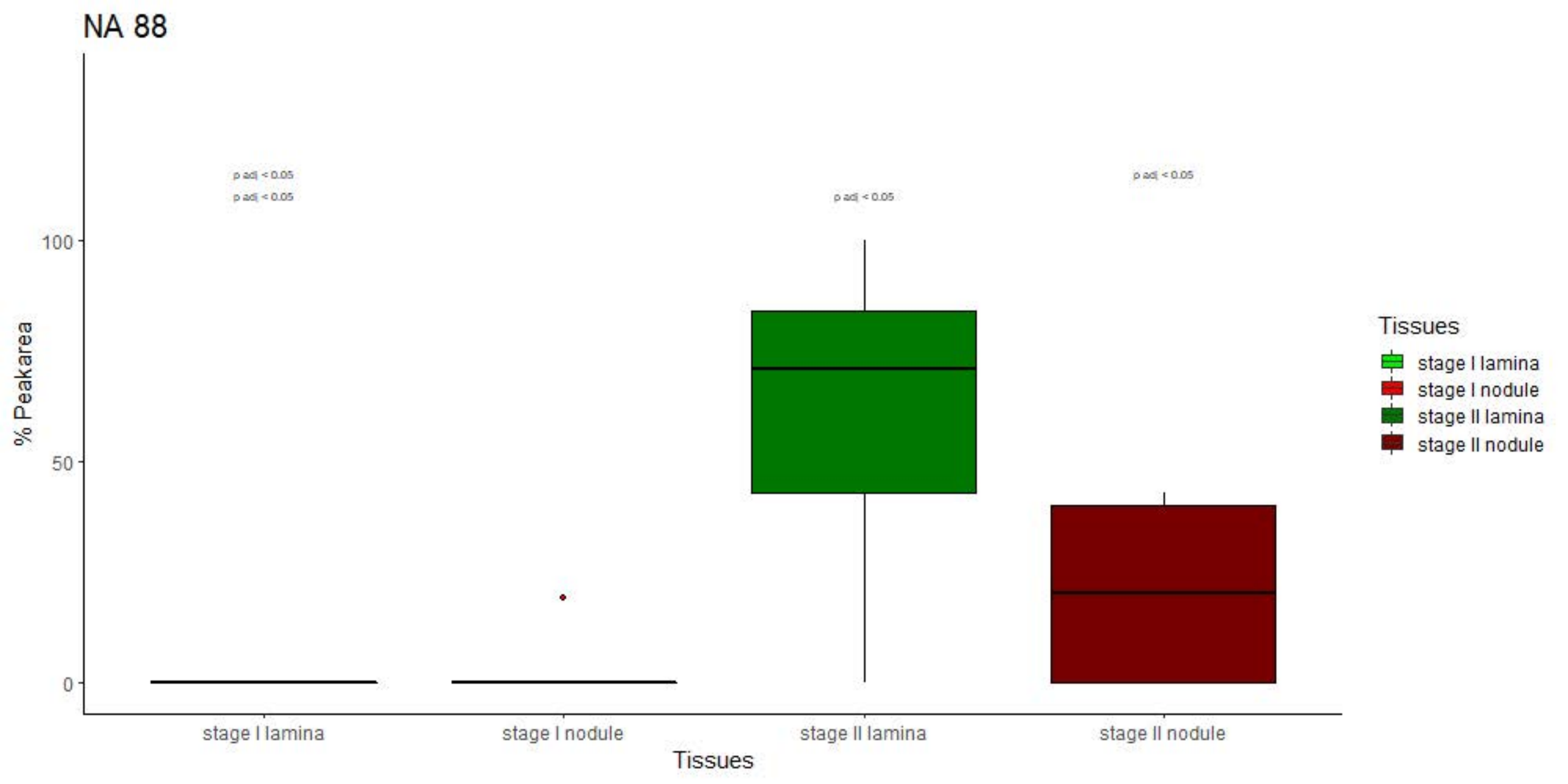
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 102
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 121
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 3
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 63
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule


NA 88
p adj < 0.05
p adj < 0.05
p adj < 0.05
p adj < 0.05
100
50
0
% Peakarea
stage I lamina
stage I nodule
stage II lamina
stage II nodule
Tissues
Tissues
stage I lamina
stage I nodule
stage II lamina
stage II nodule