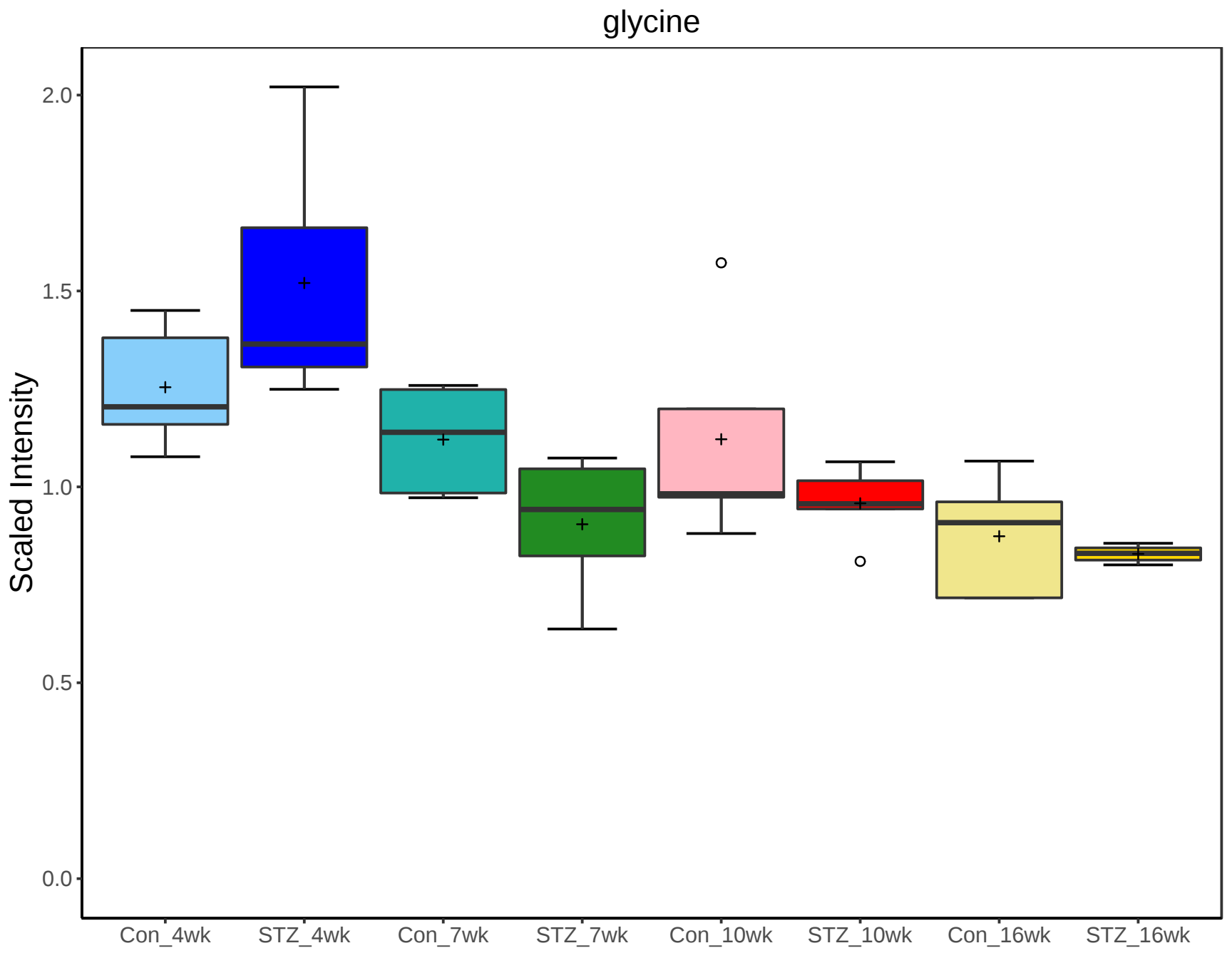
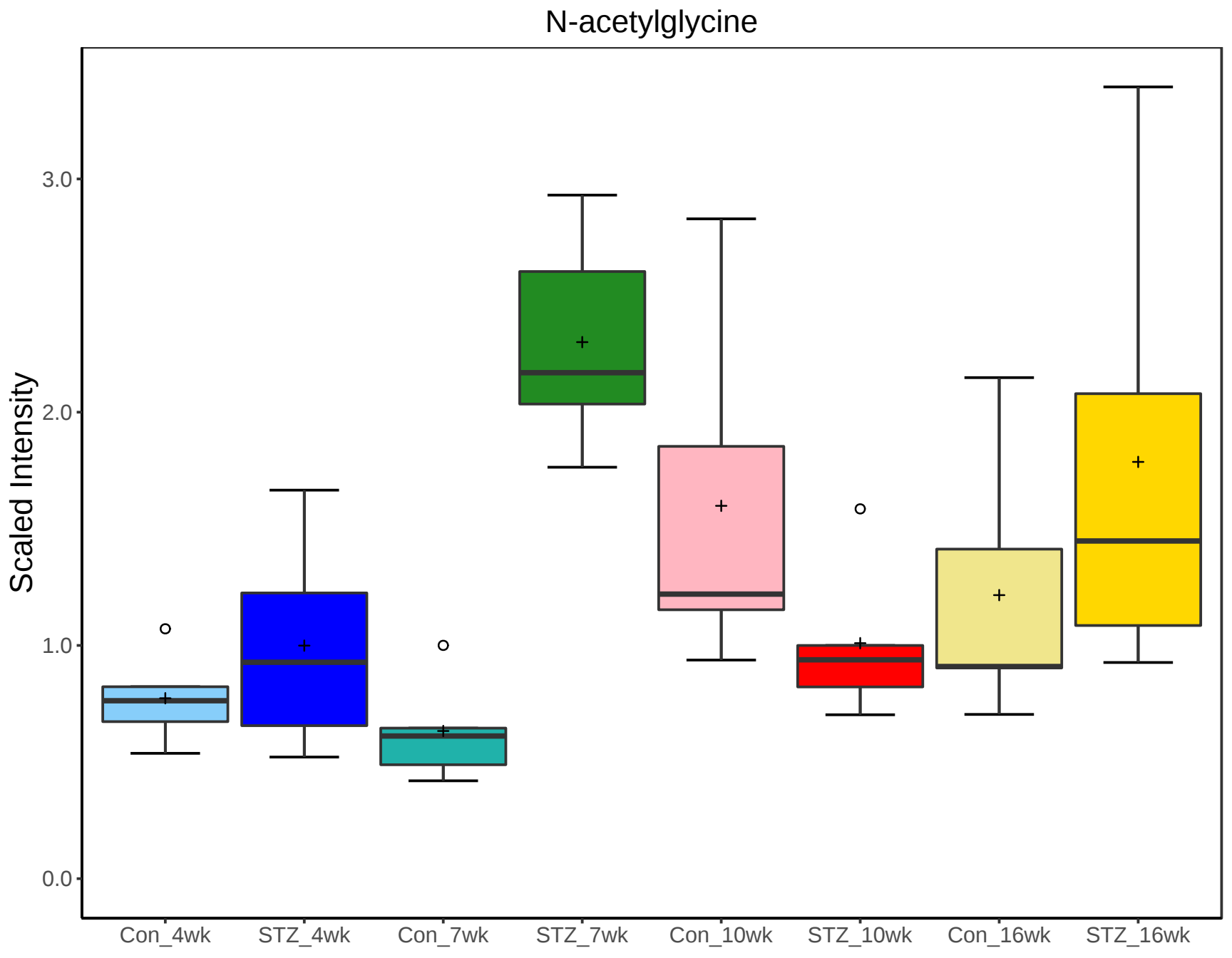
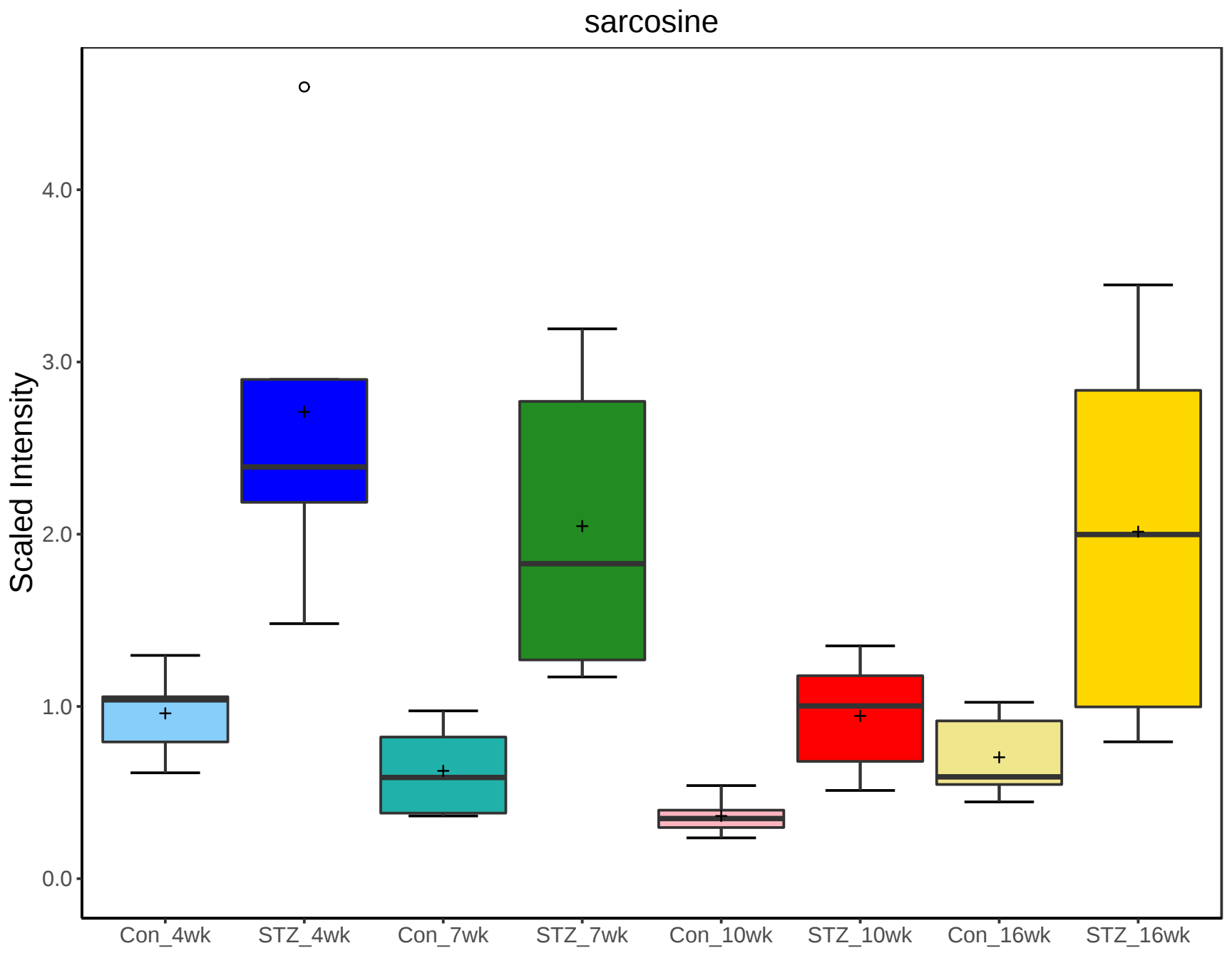
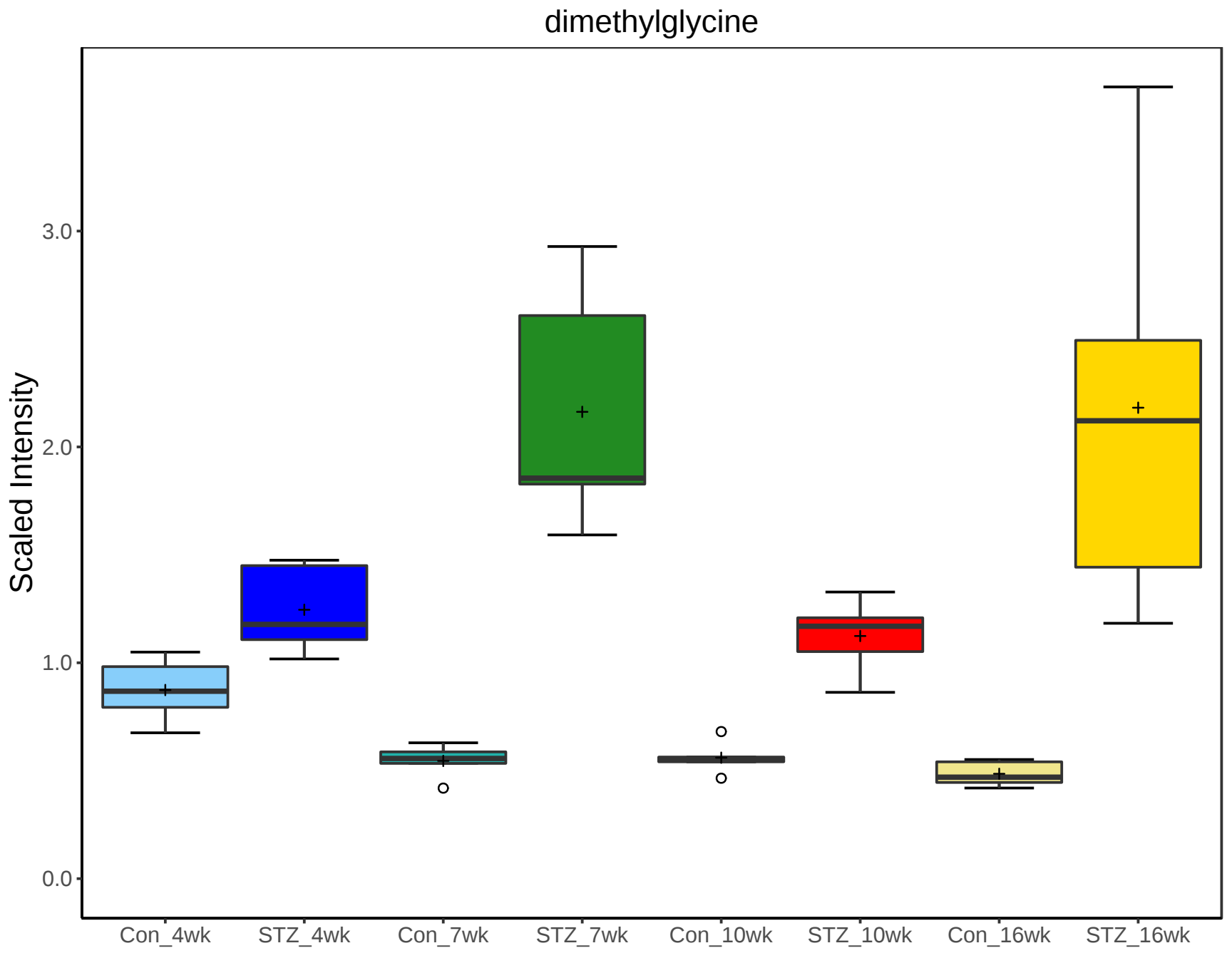
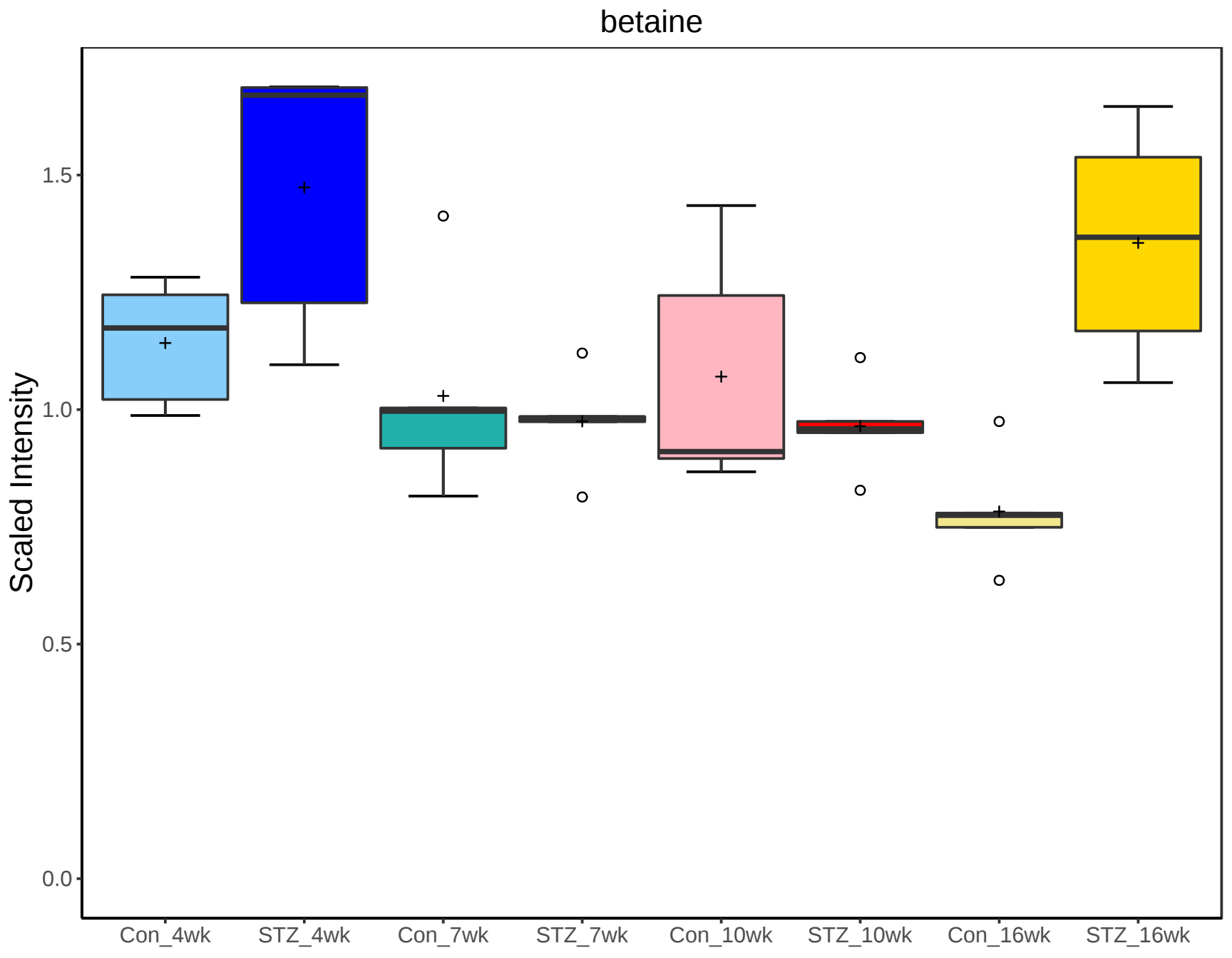
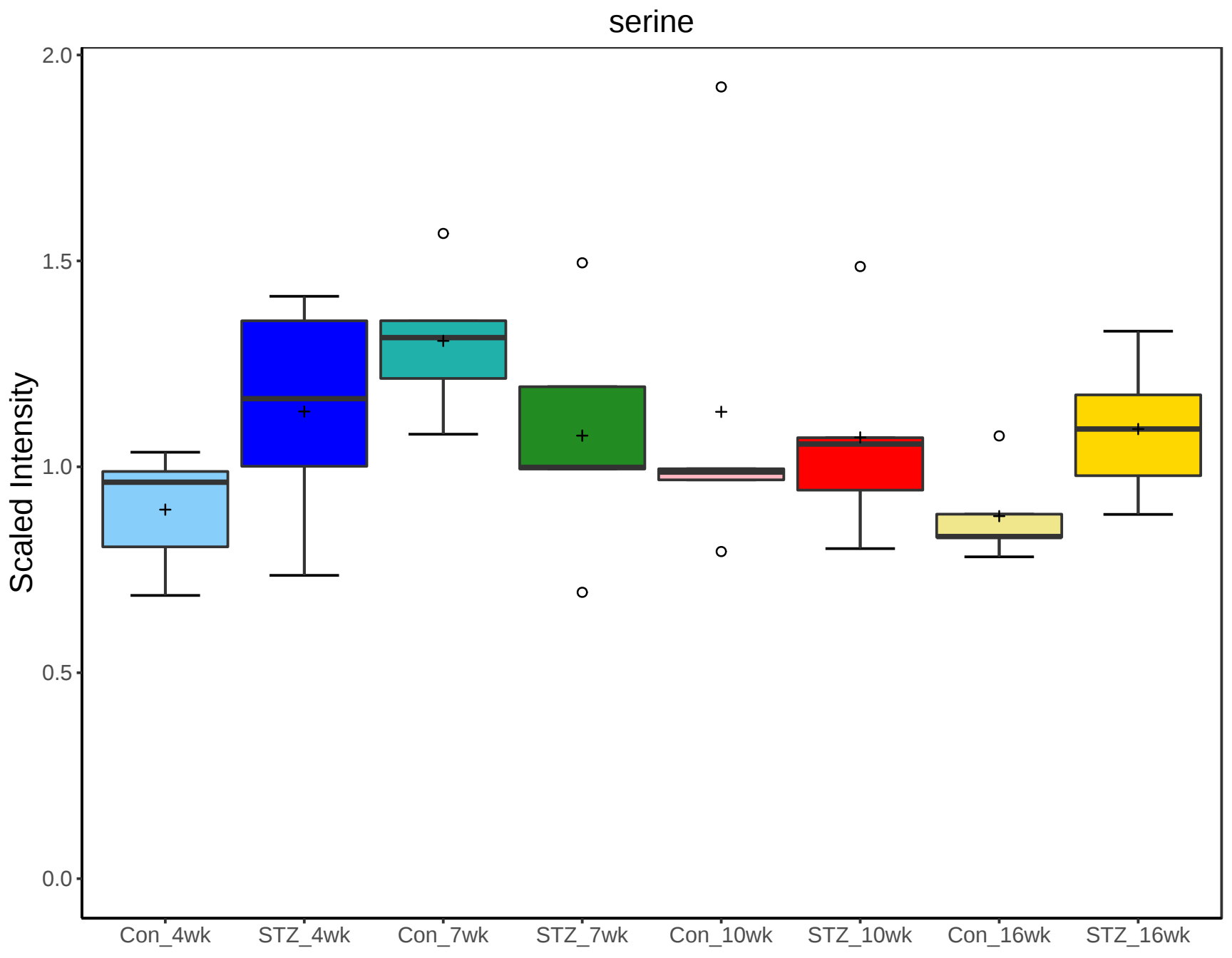

glycine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

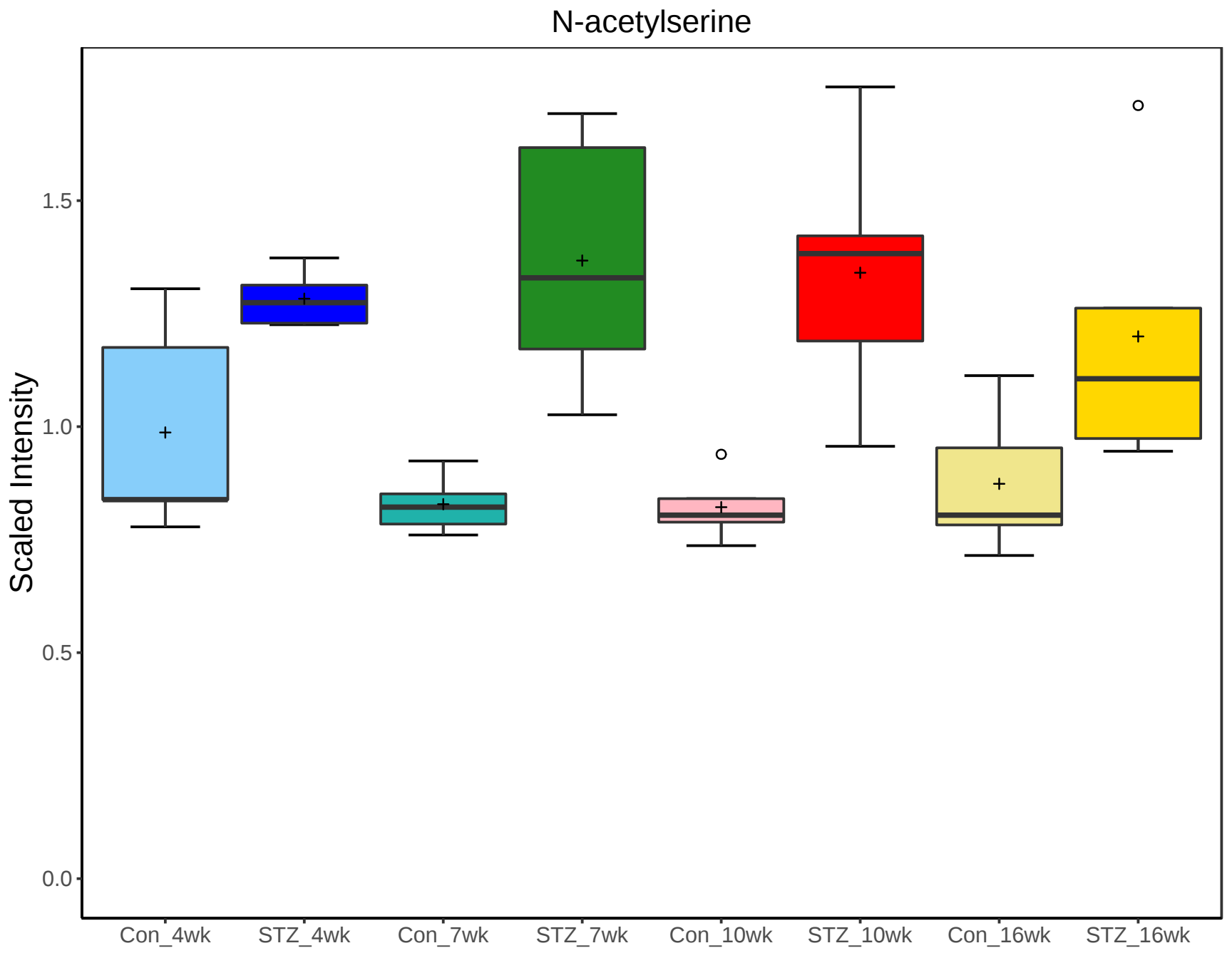

N-acetylglycine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

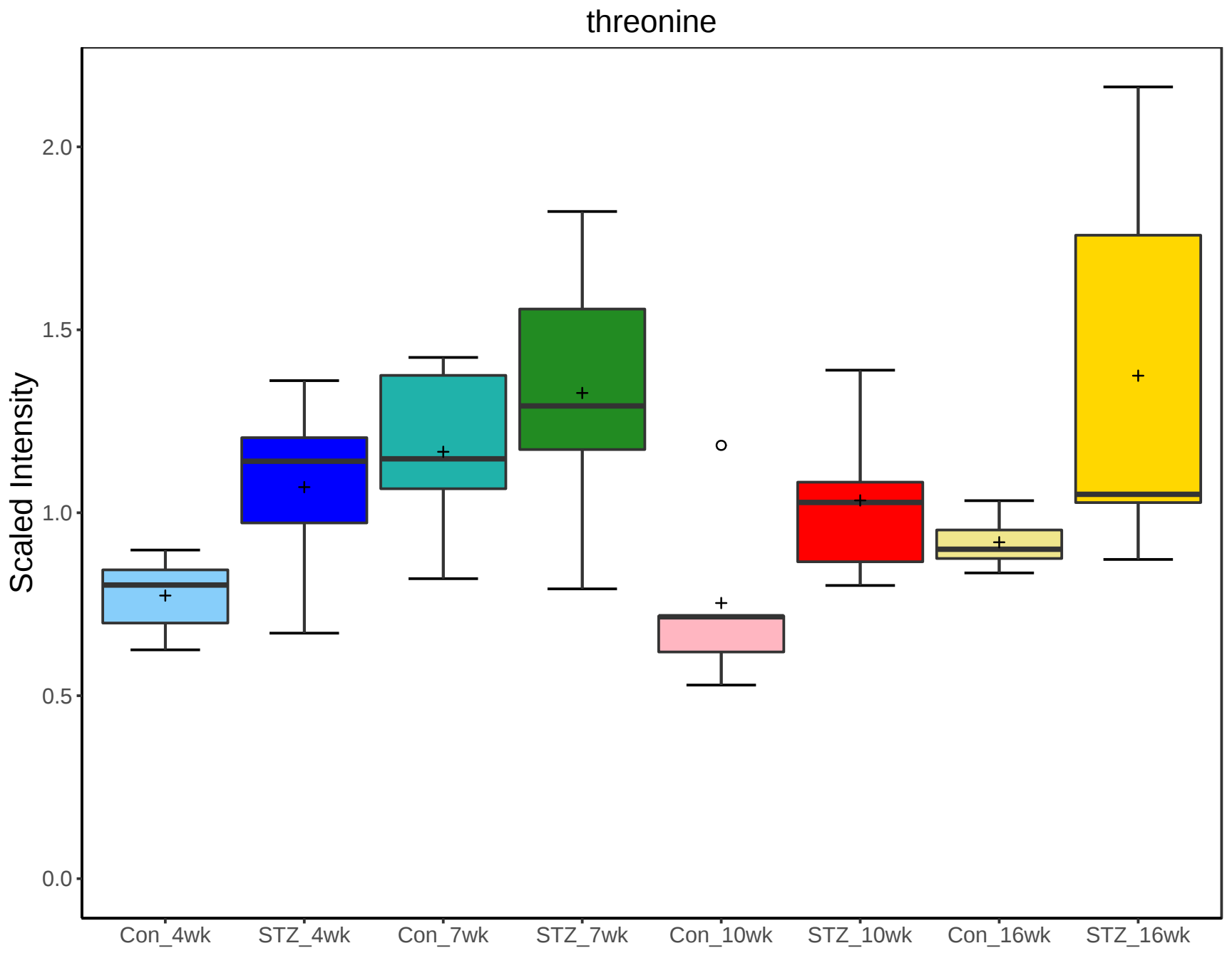

sarcosine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

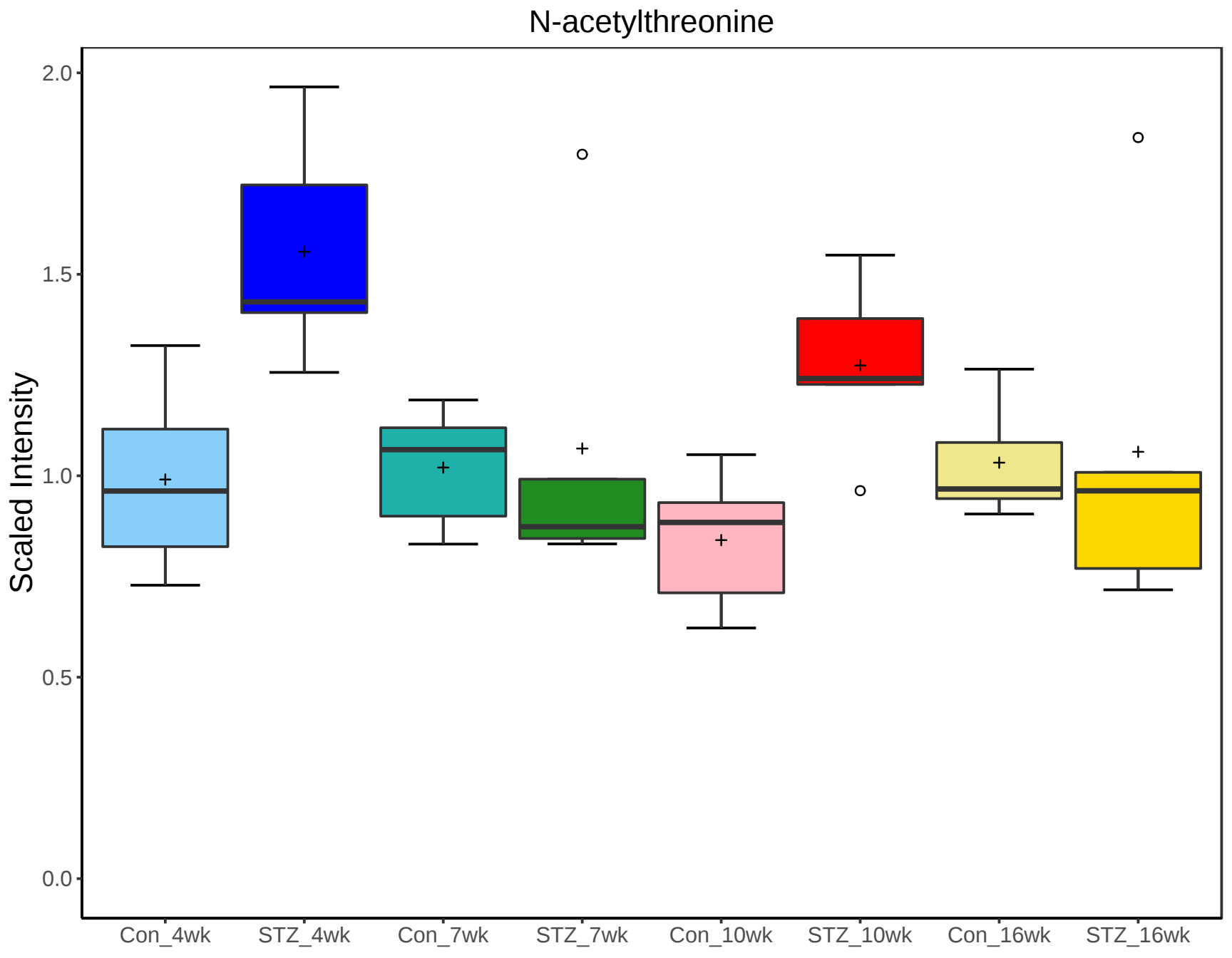

dimethylglycine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

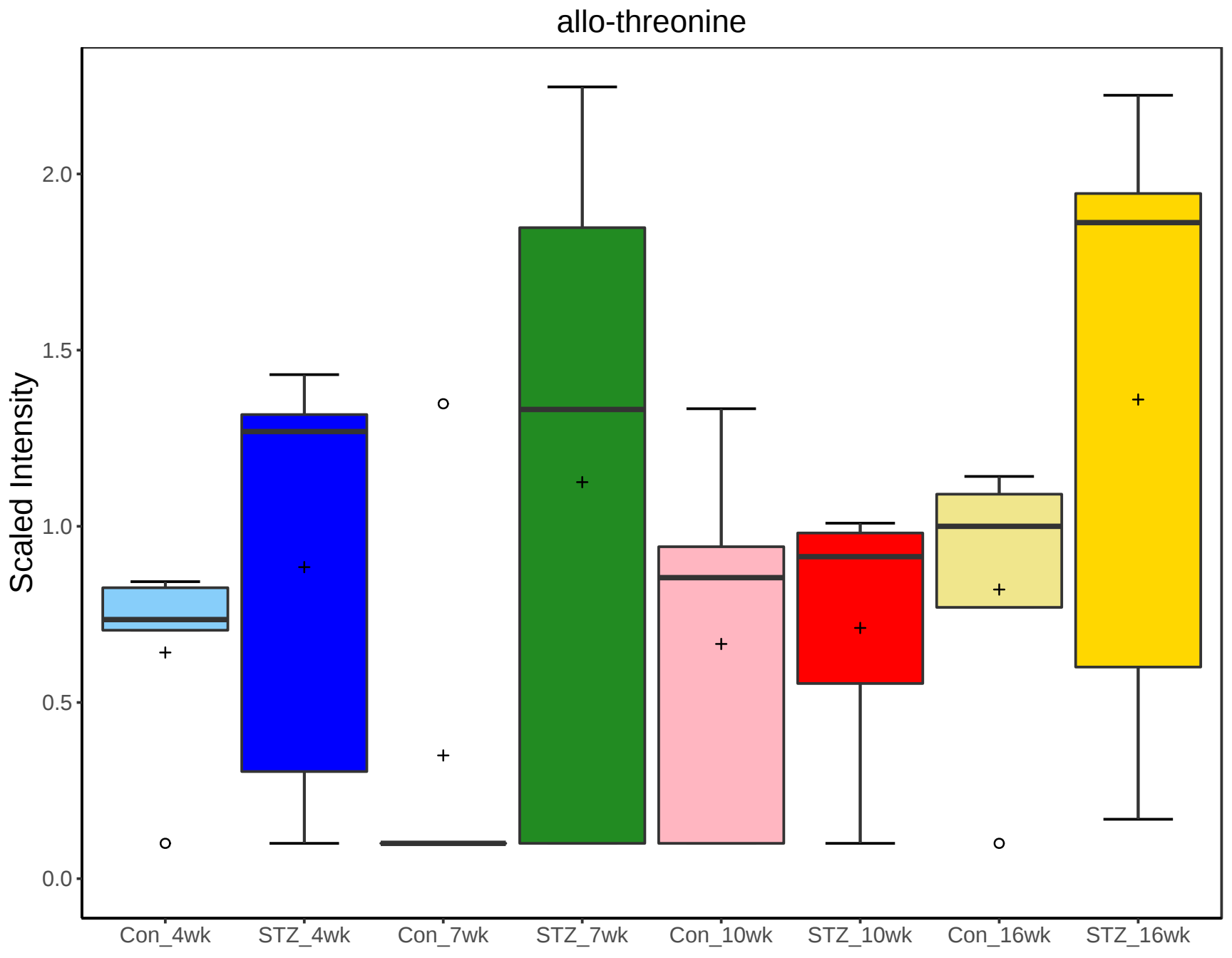

betaine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

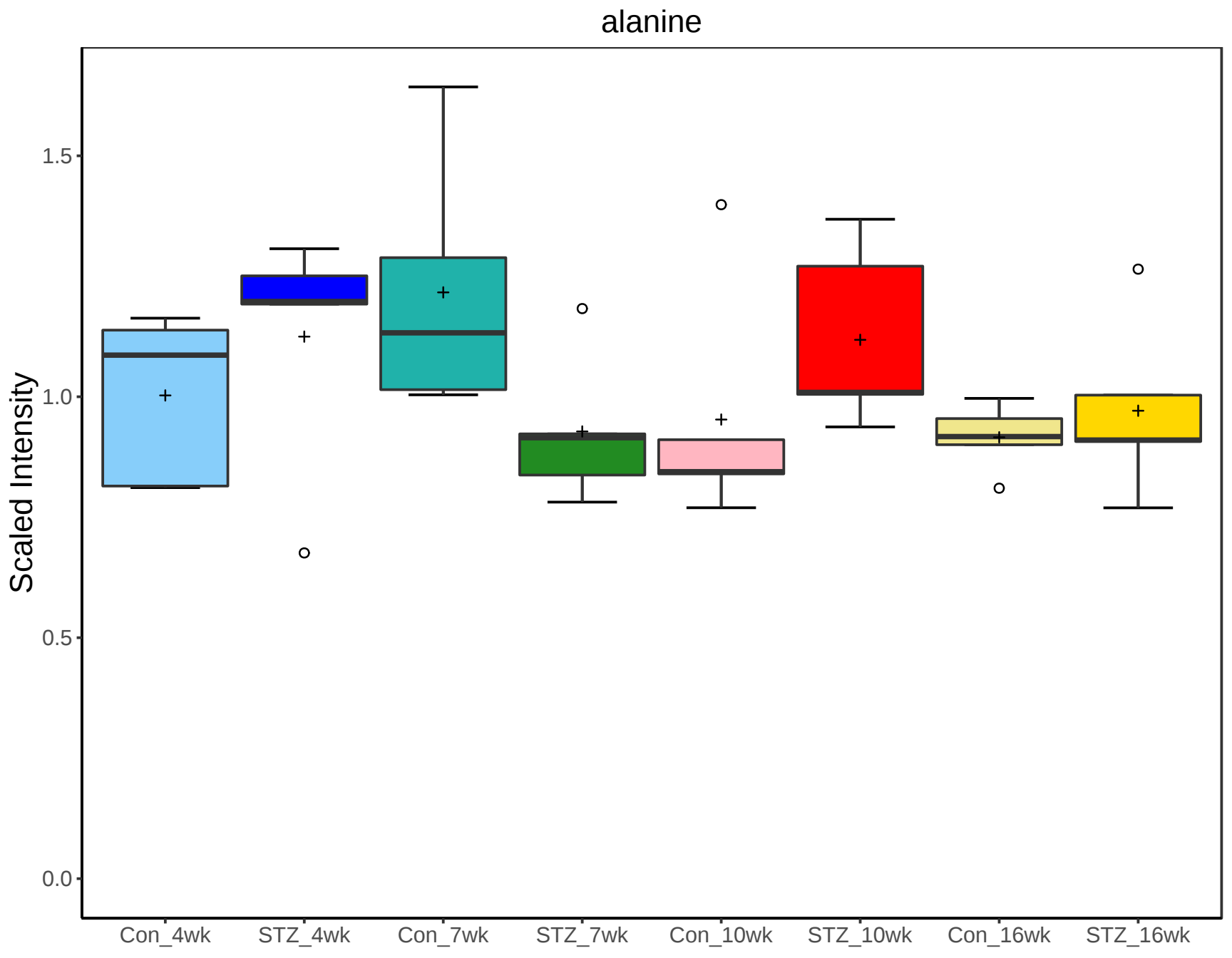

serine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

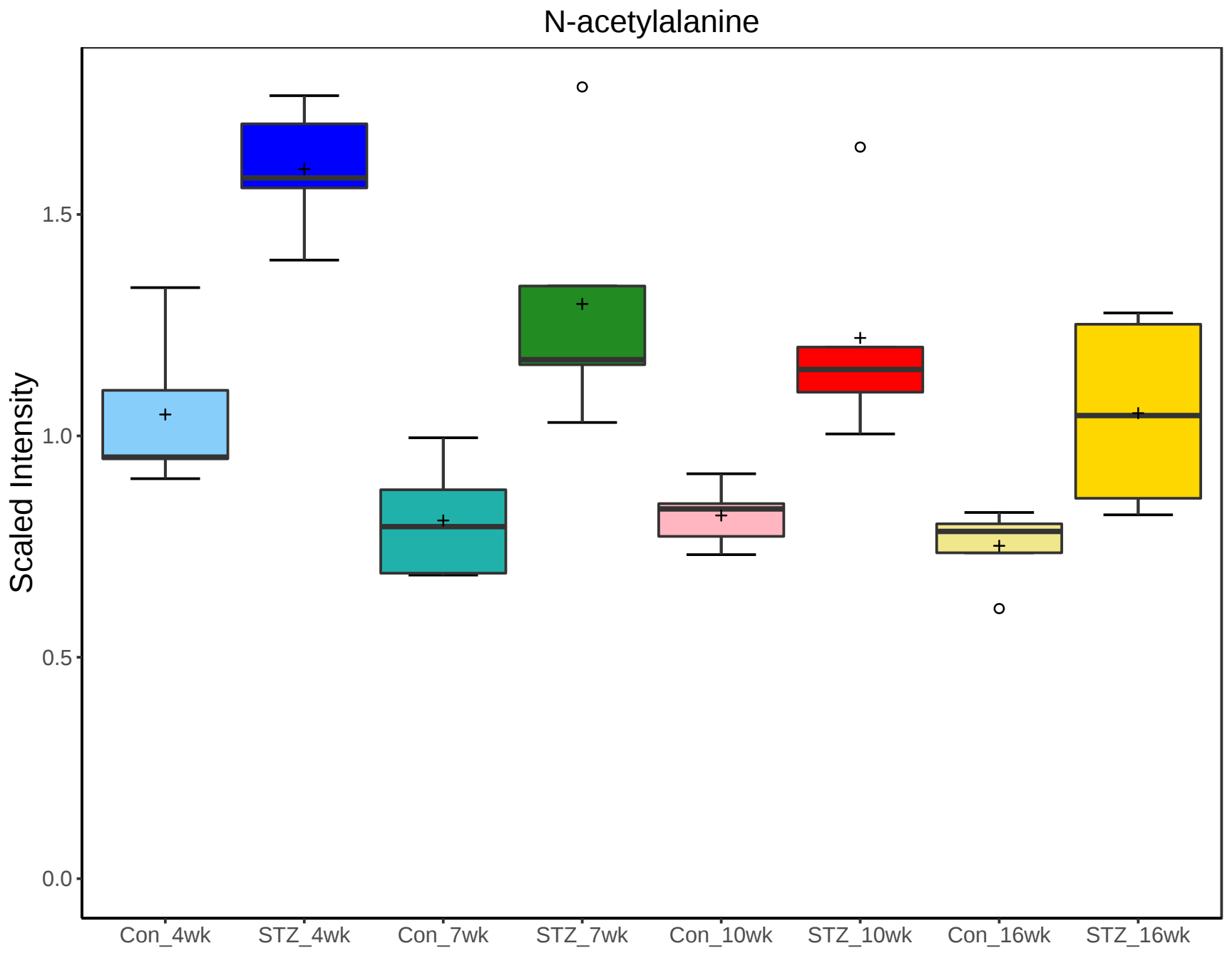

N-acetylserine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

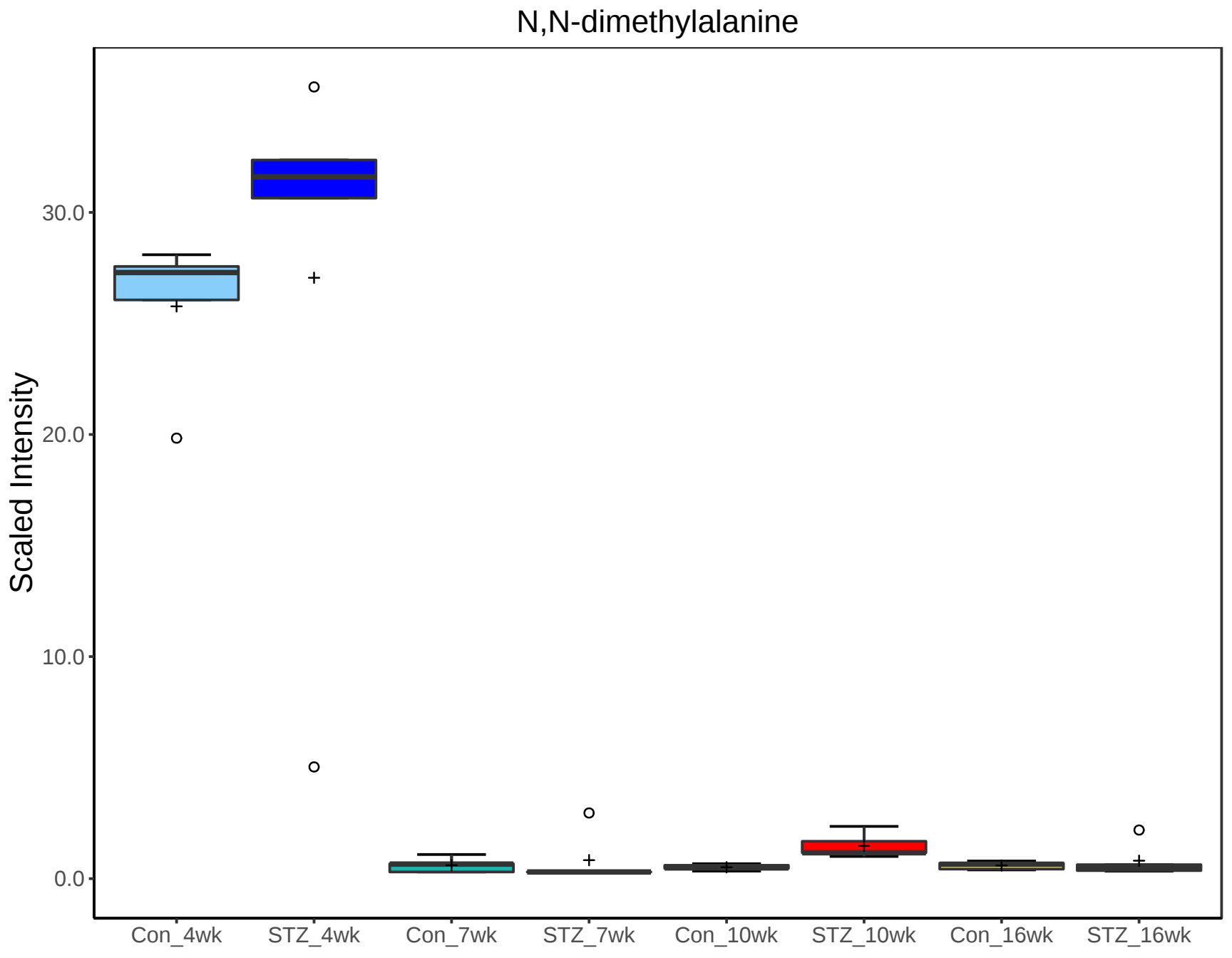

threonine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

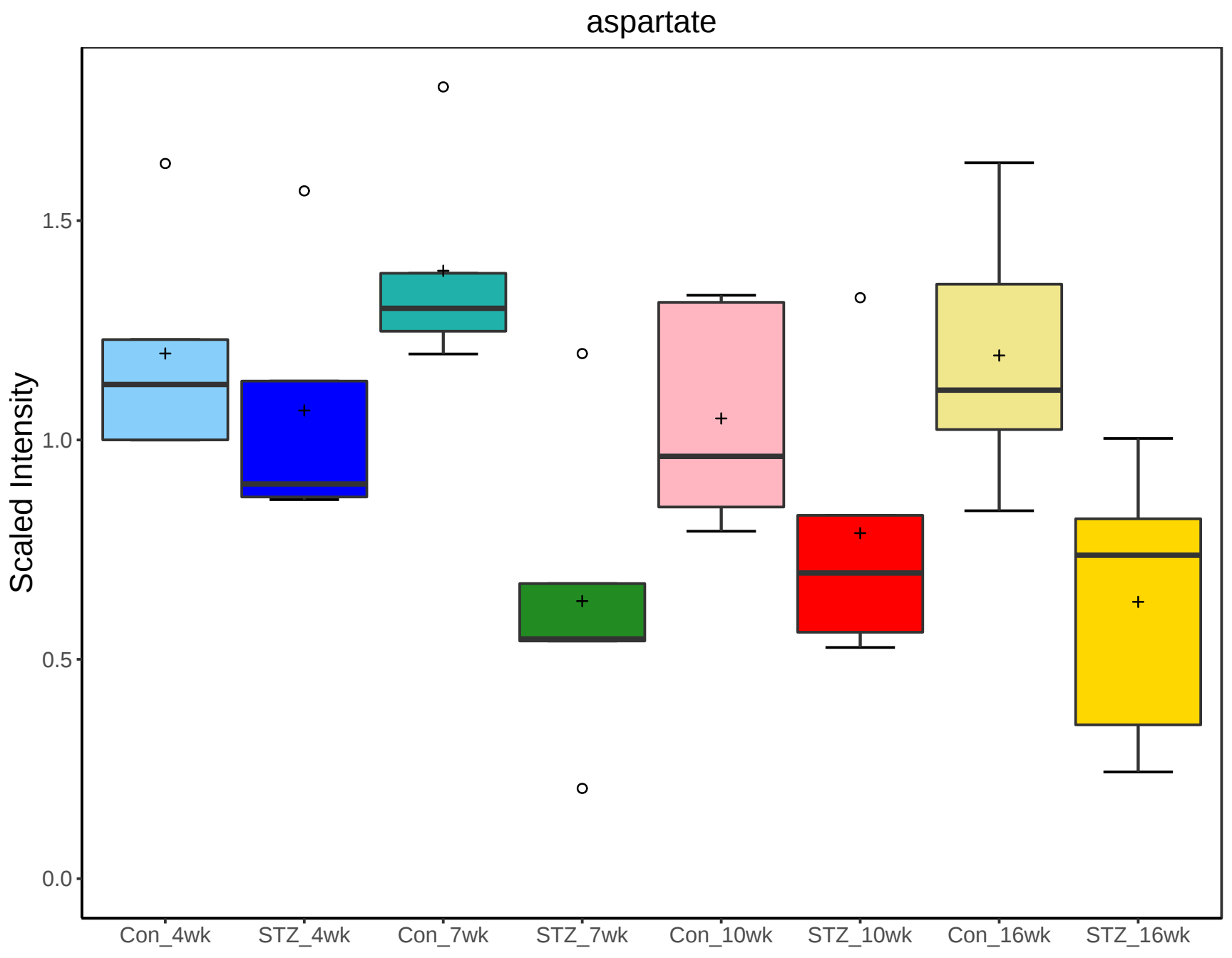

N-acetylthreonine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

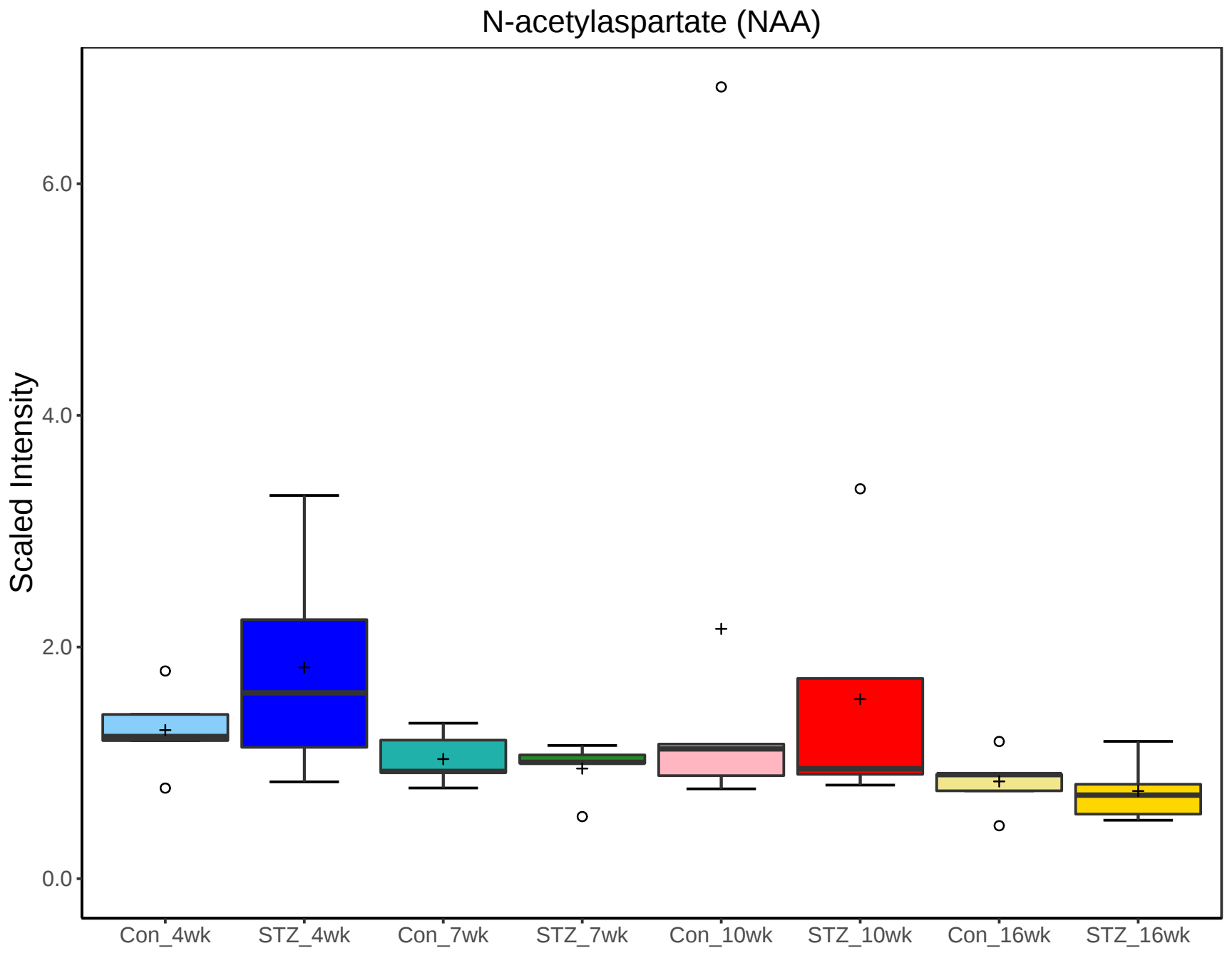

allo-threonine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

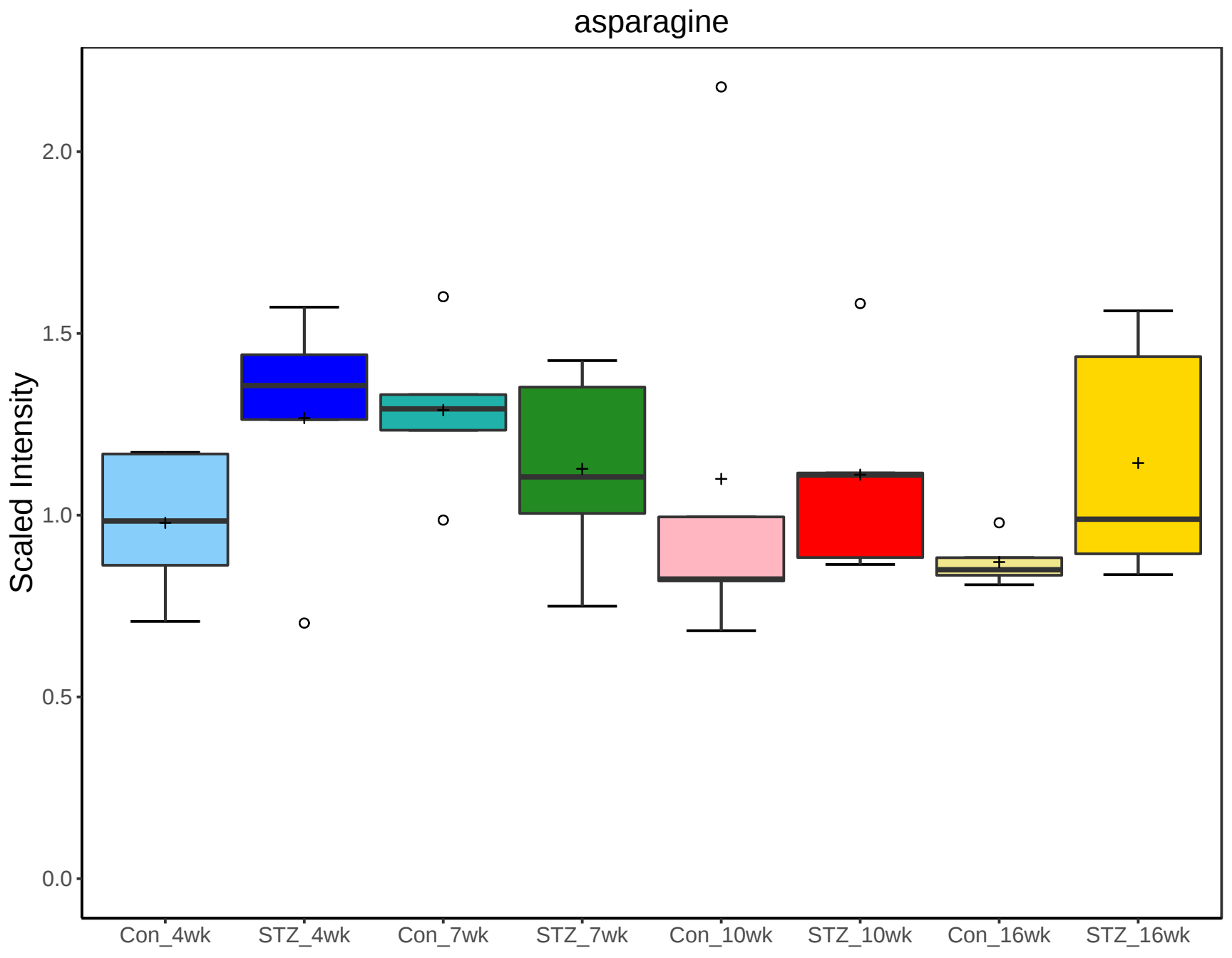

alanine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

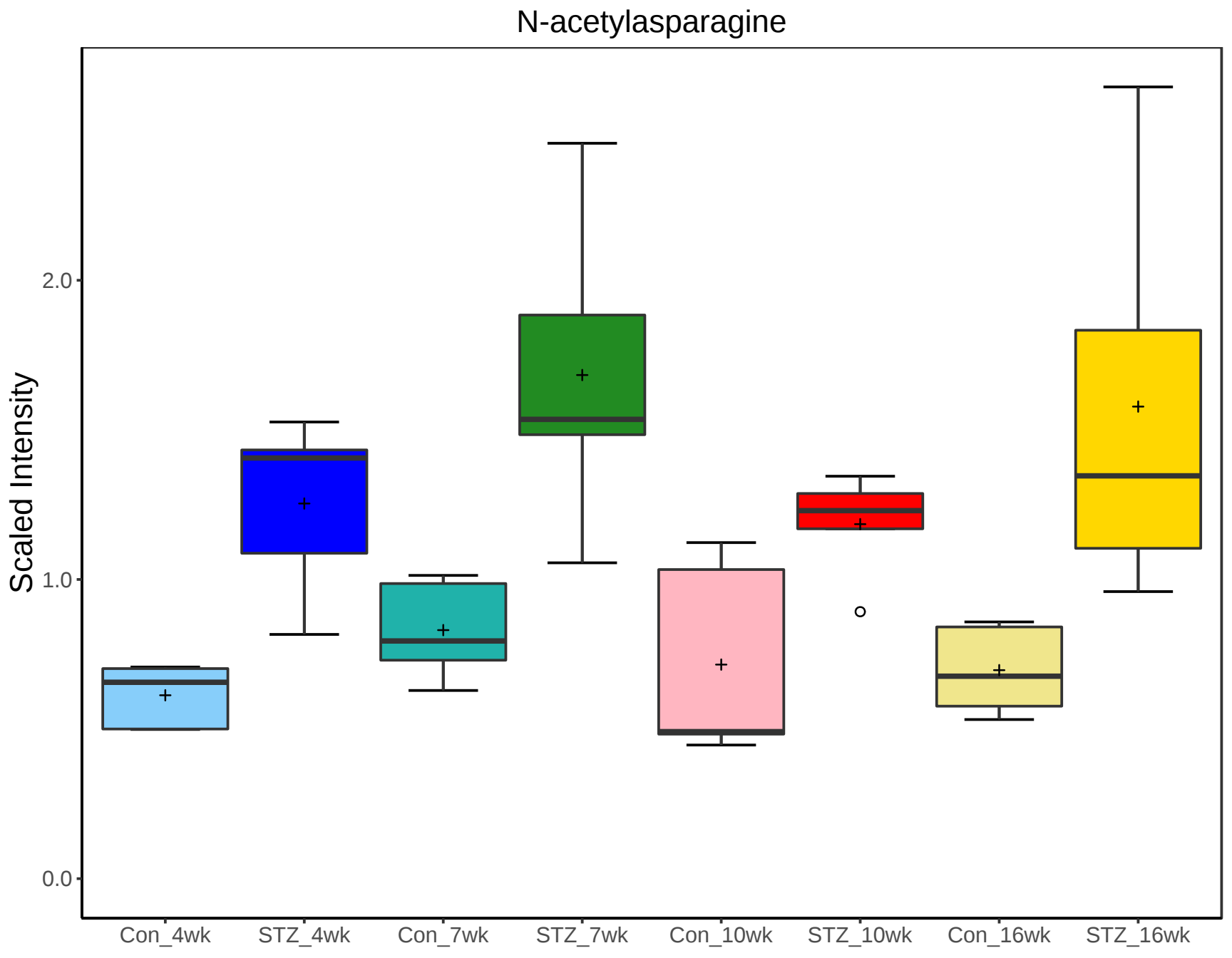

N-acetylalanine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

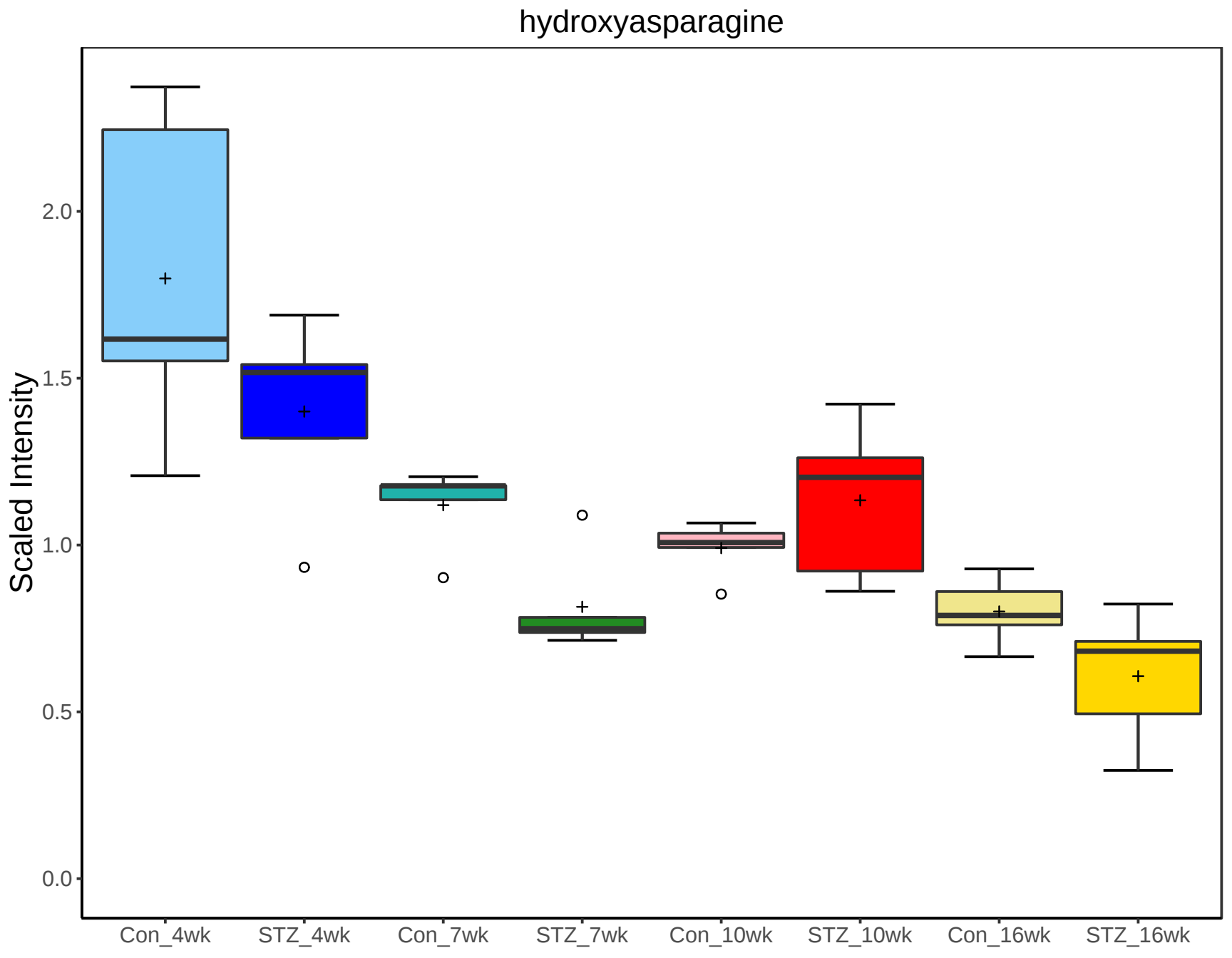

N,N-dimethylalanine
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

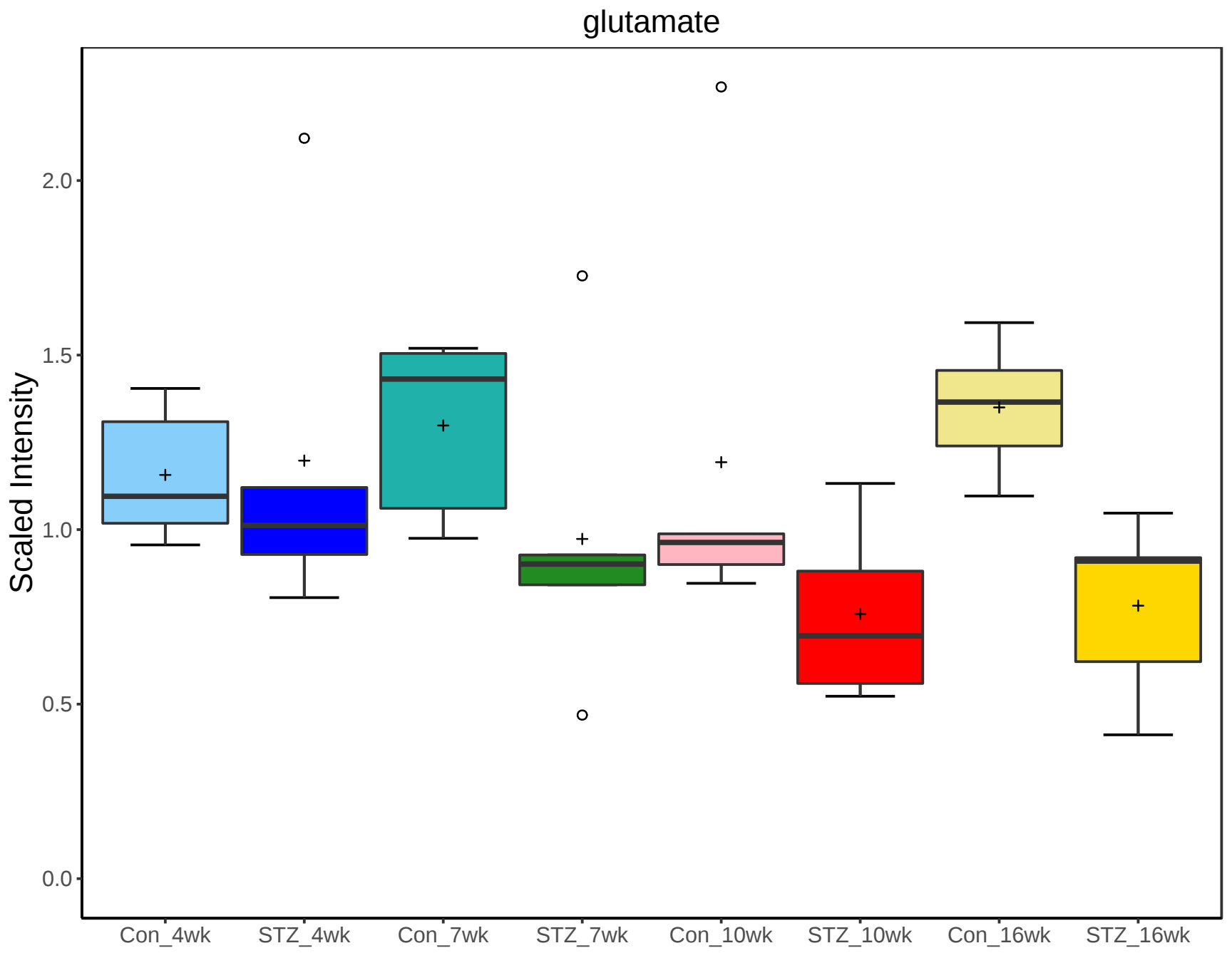

aspartate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

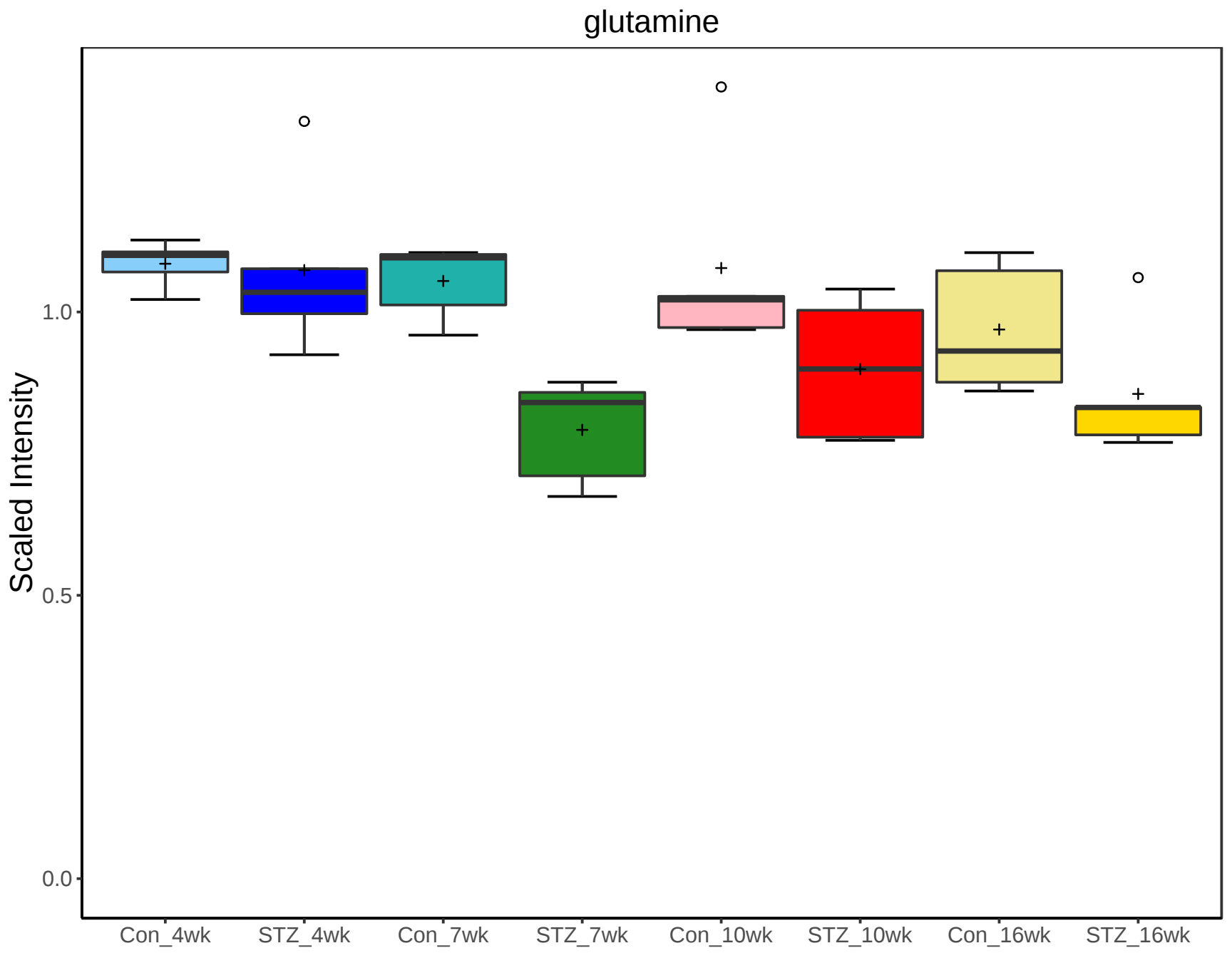

N-acetylaspartate (NAA)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

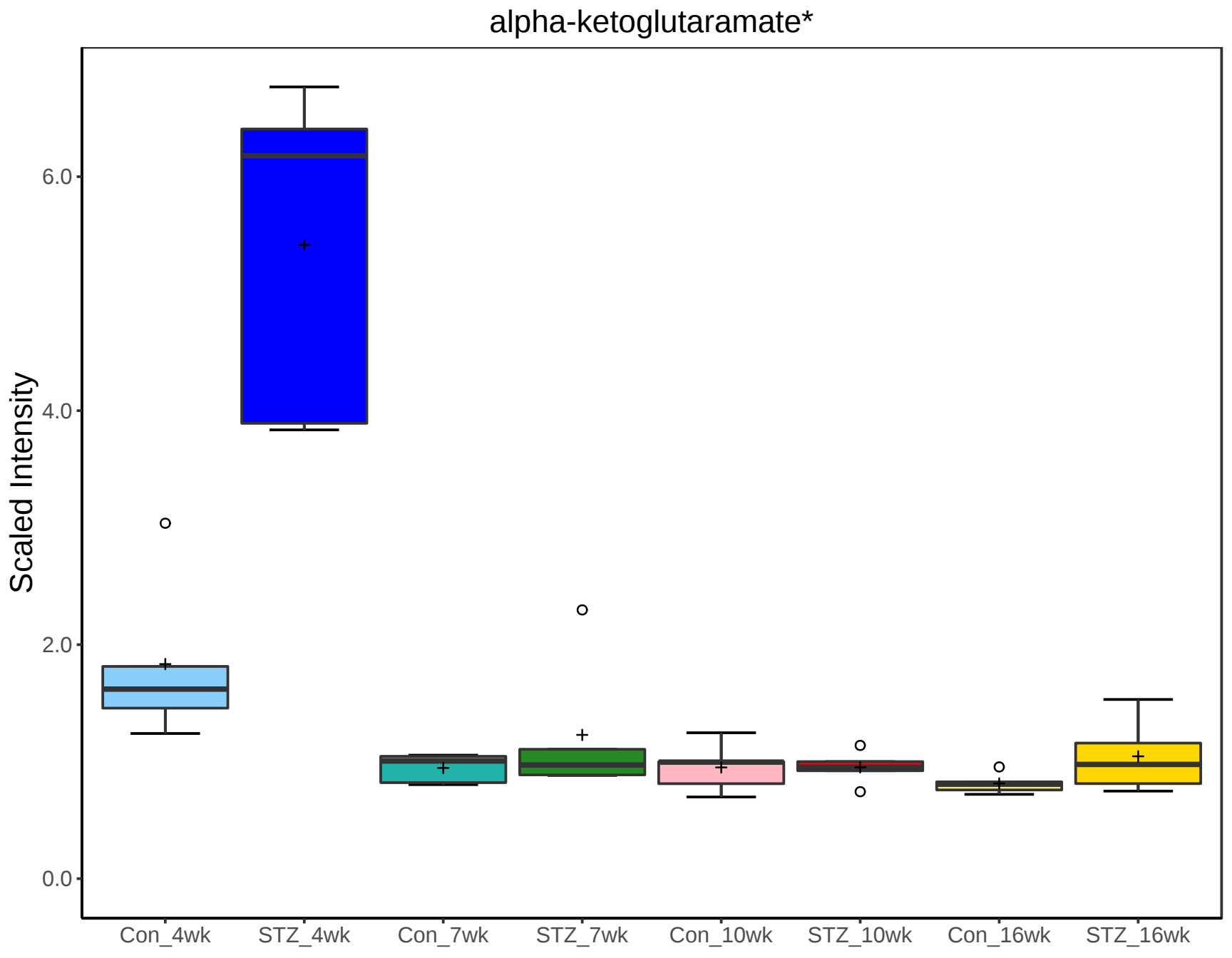

asparagine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

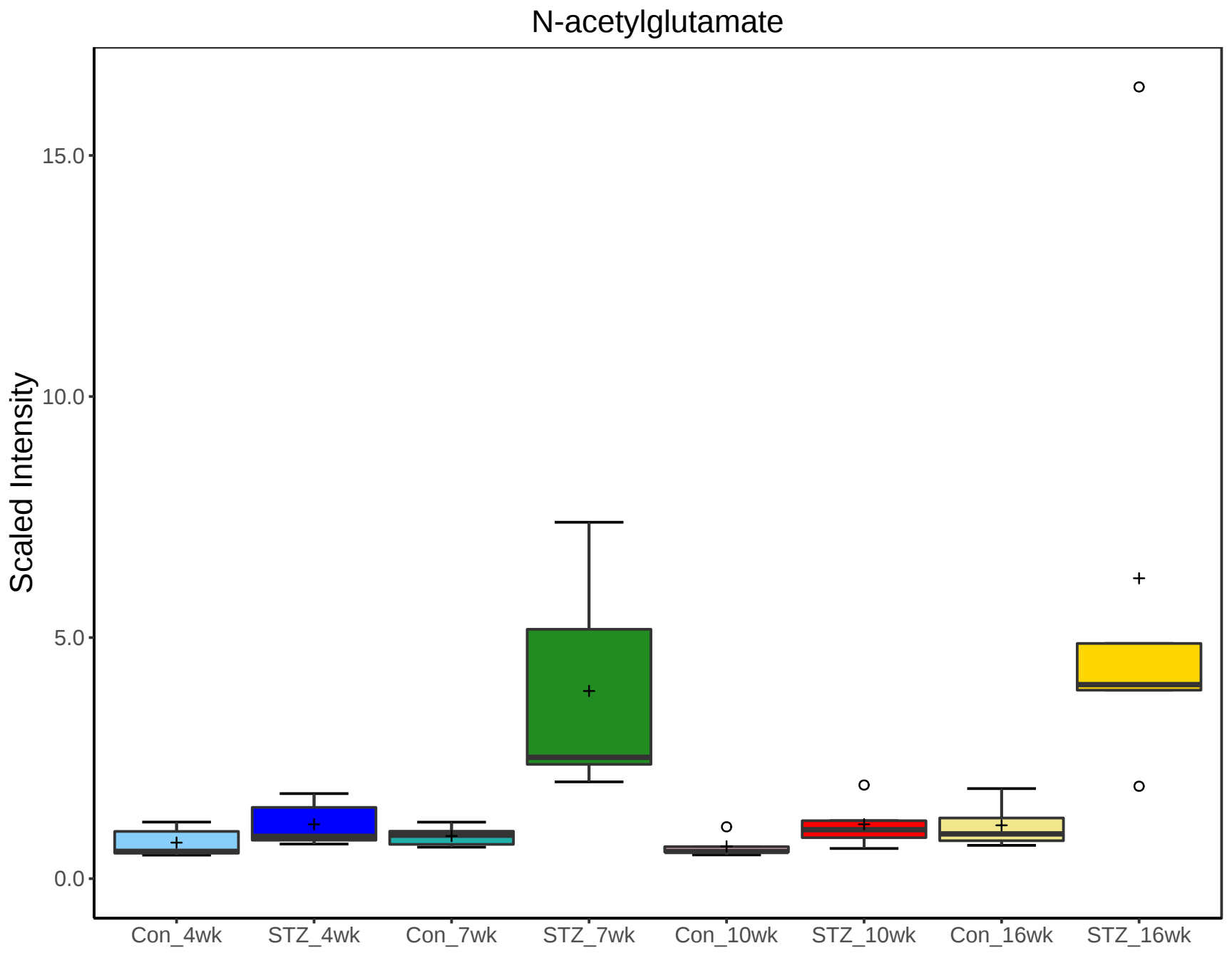

N-acetylasparagine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

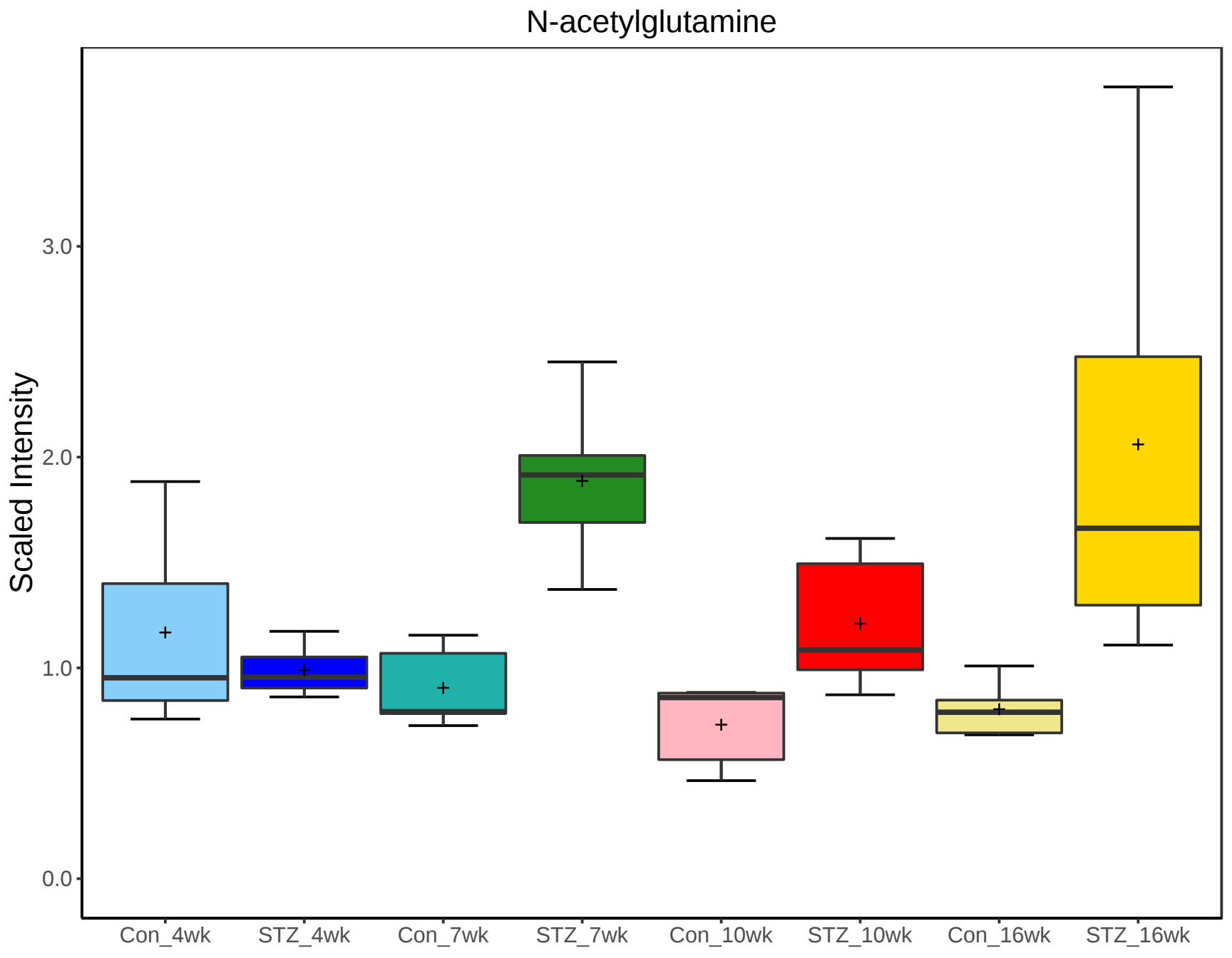

hydroxyasparagine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

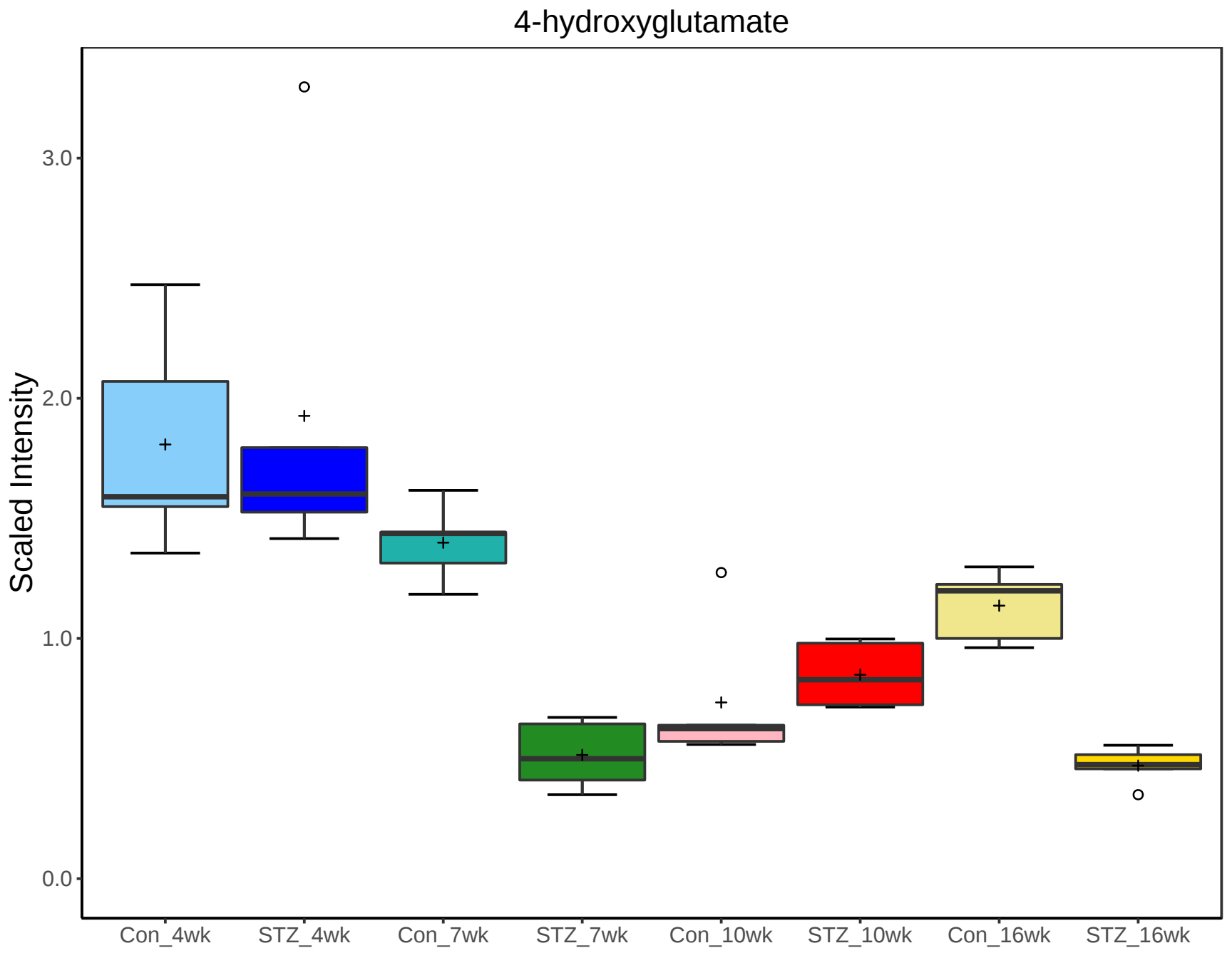

glutamate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

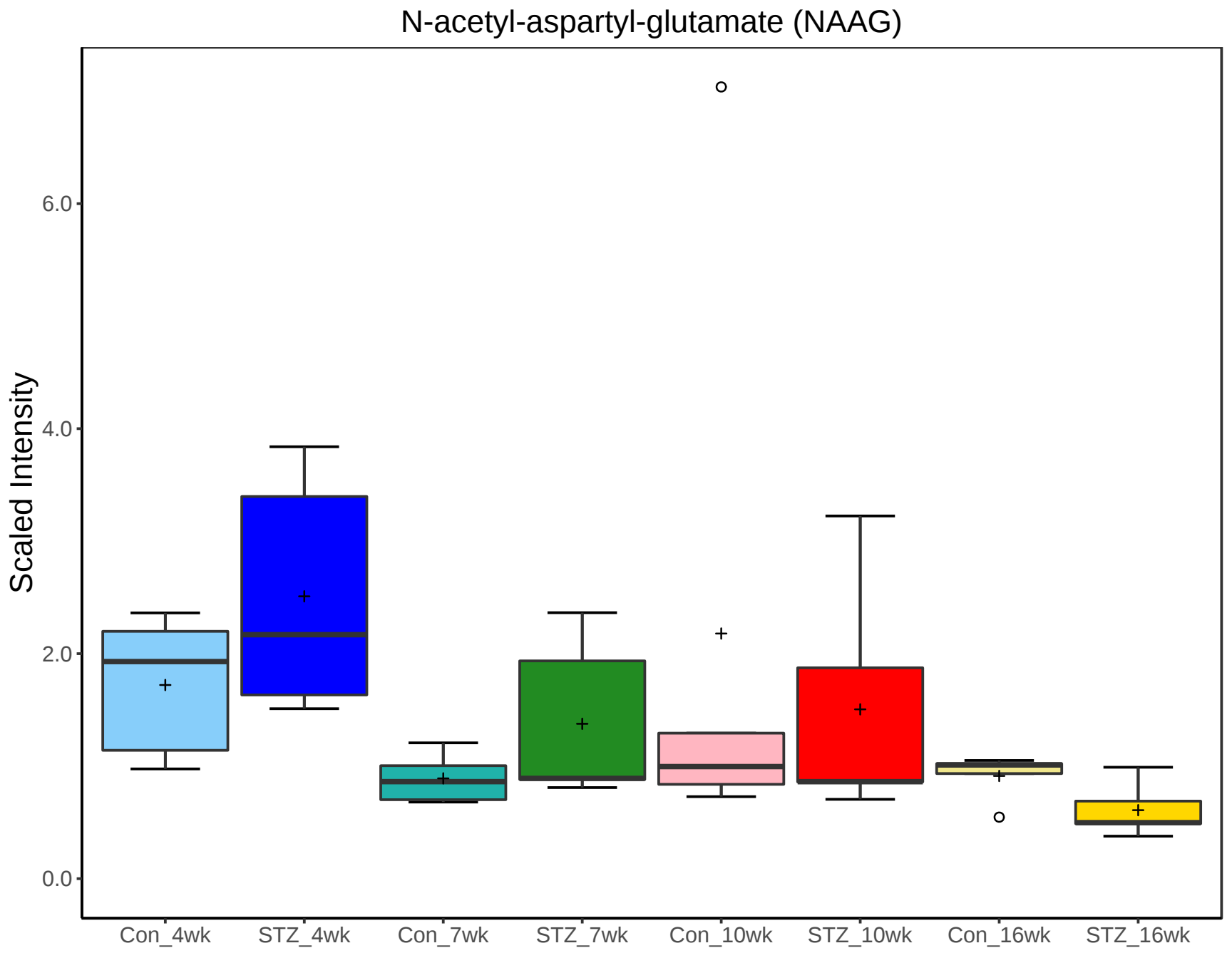

glutamine
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

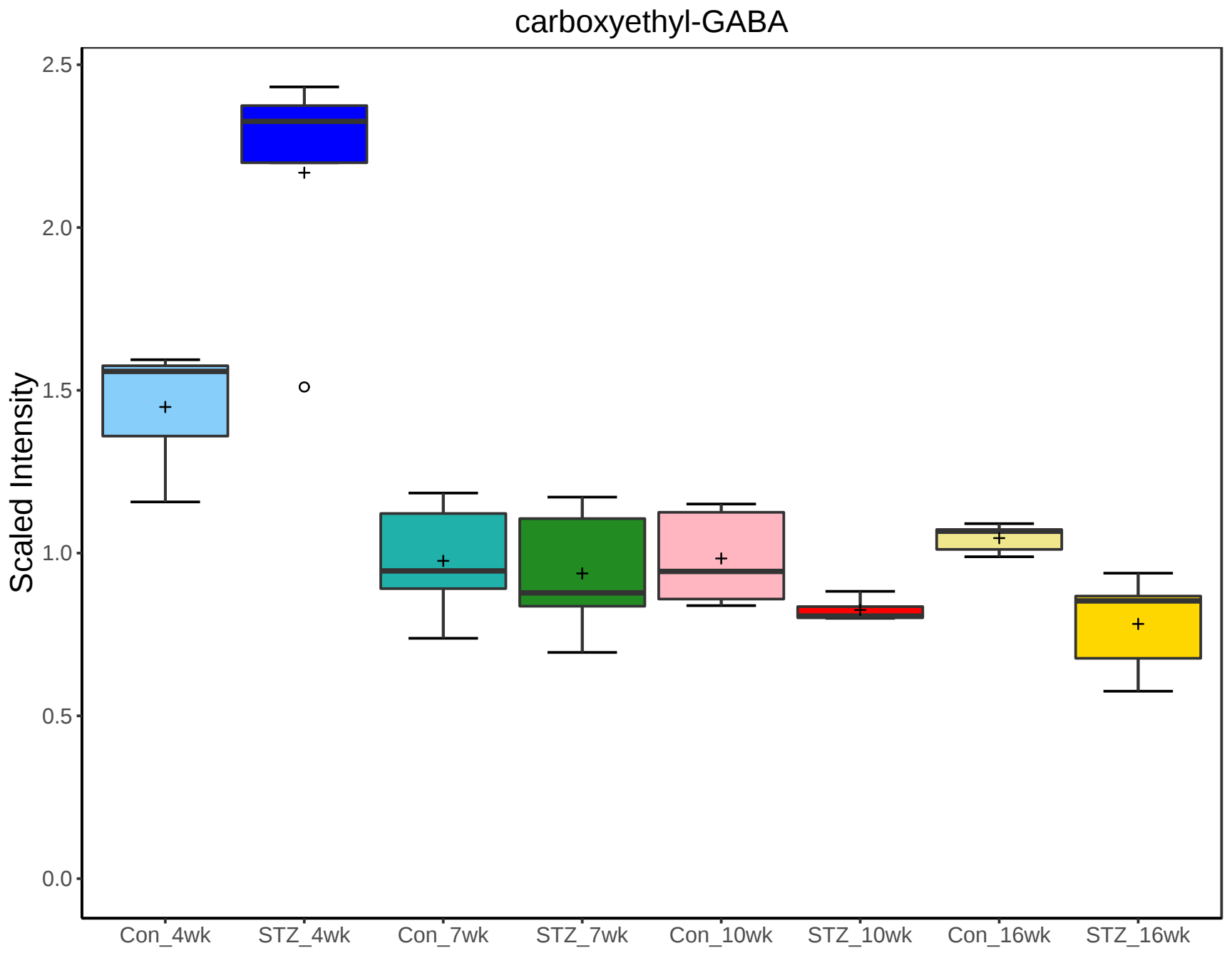

alpha-ketoglutaramate*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

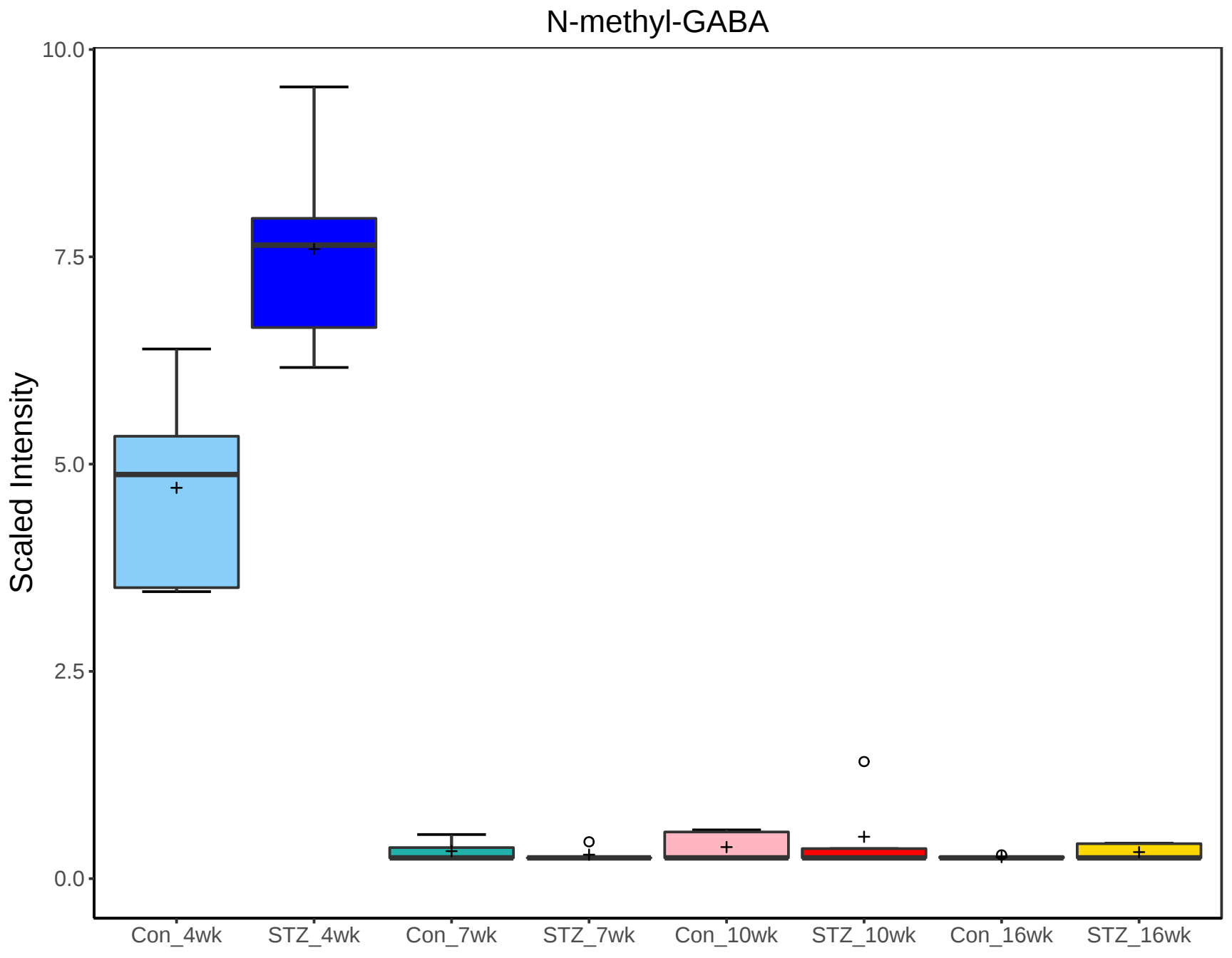

N-acetylglutamate
Scaled Intensity
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

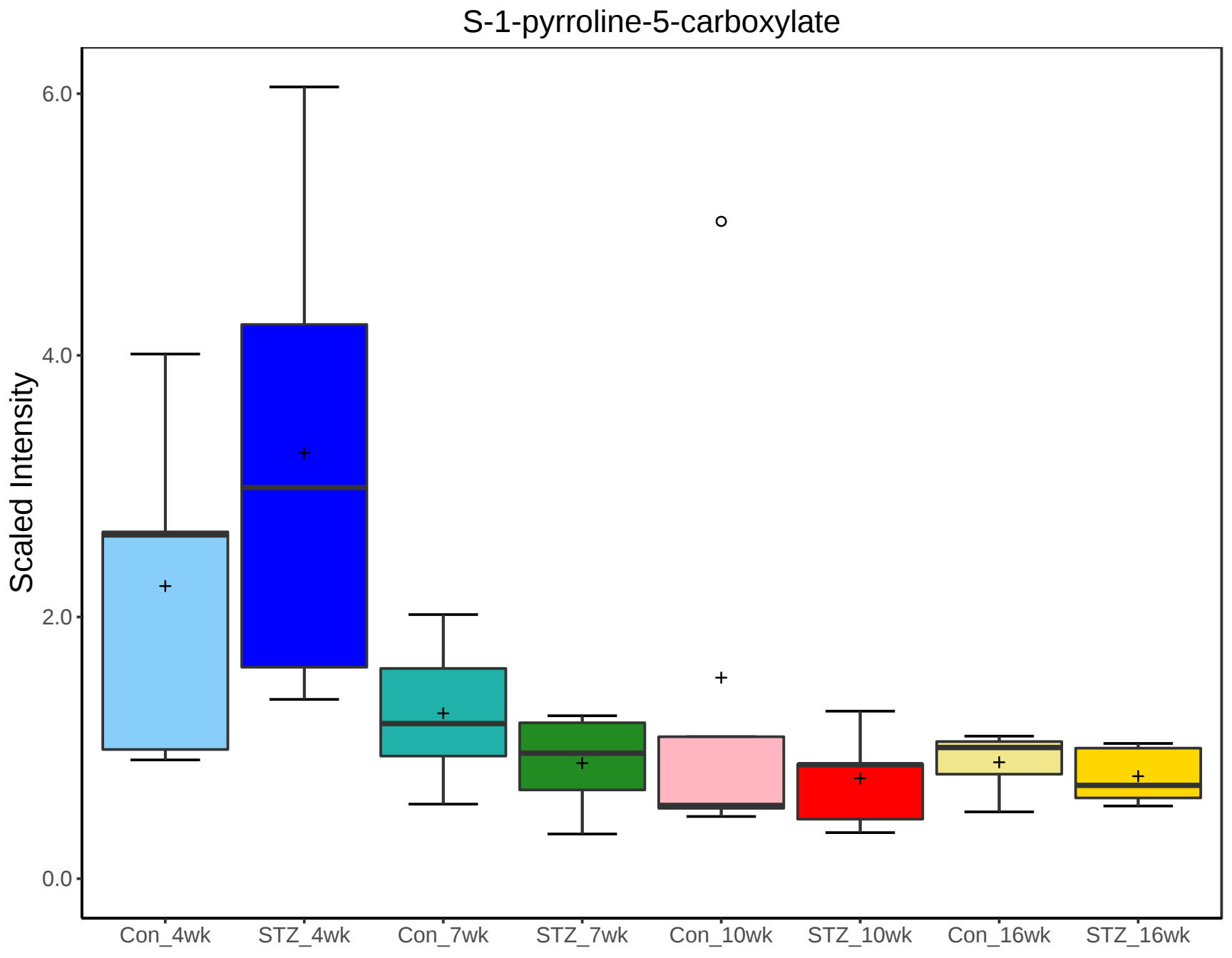

N-acetylglutamine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

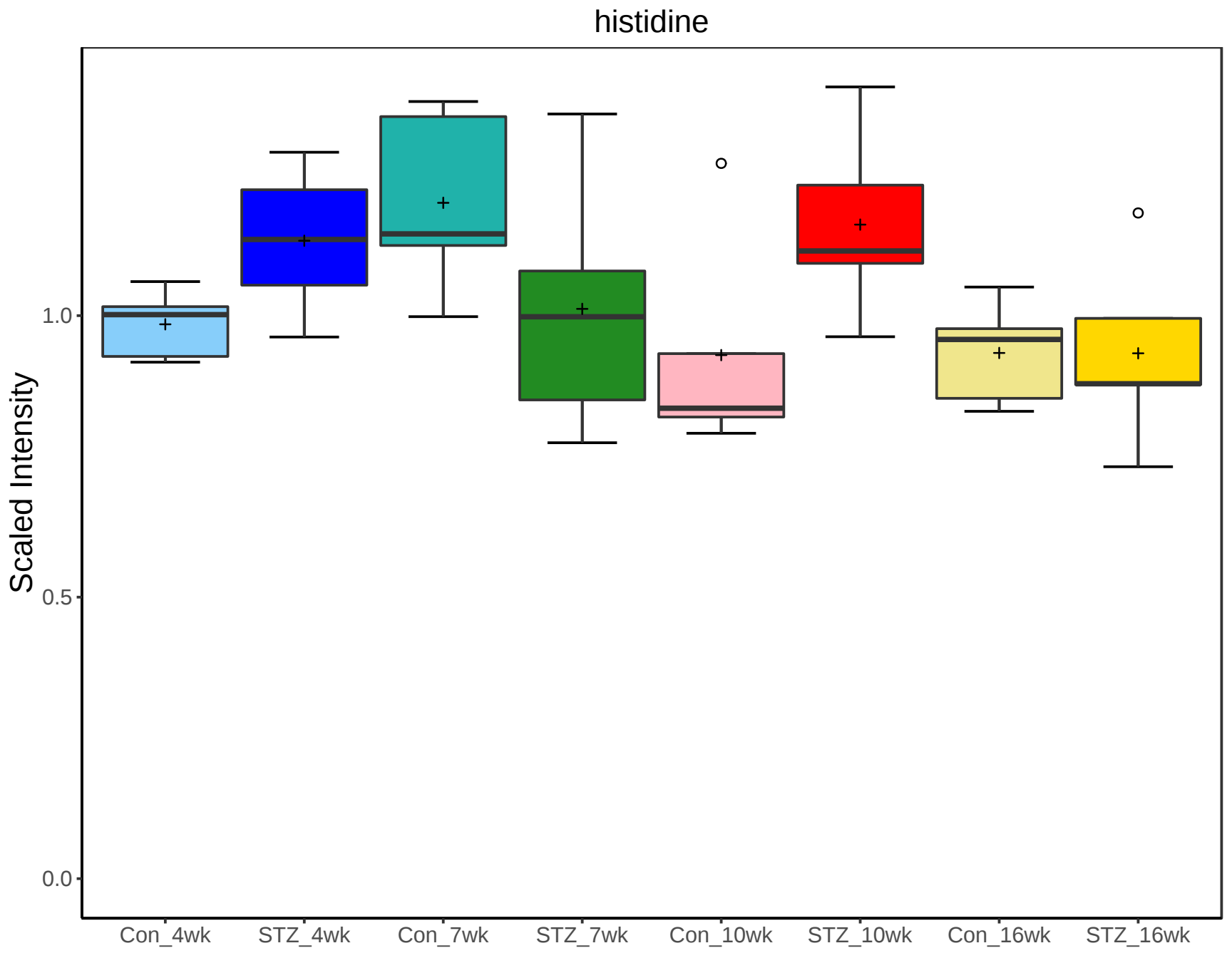

4-hydroxyglutamate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

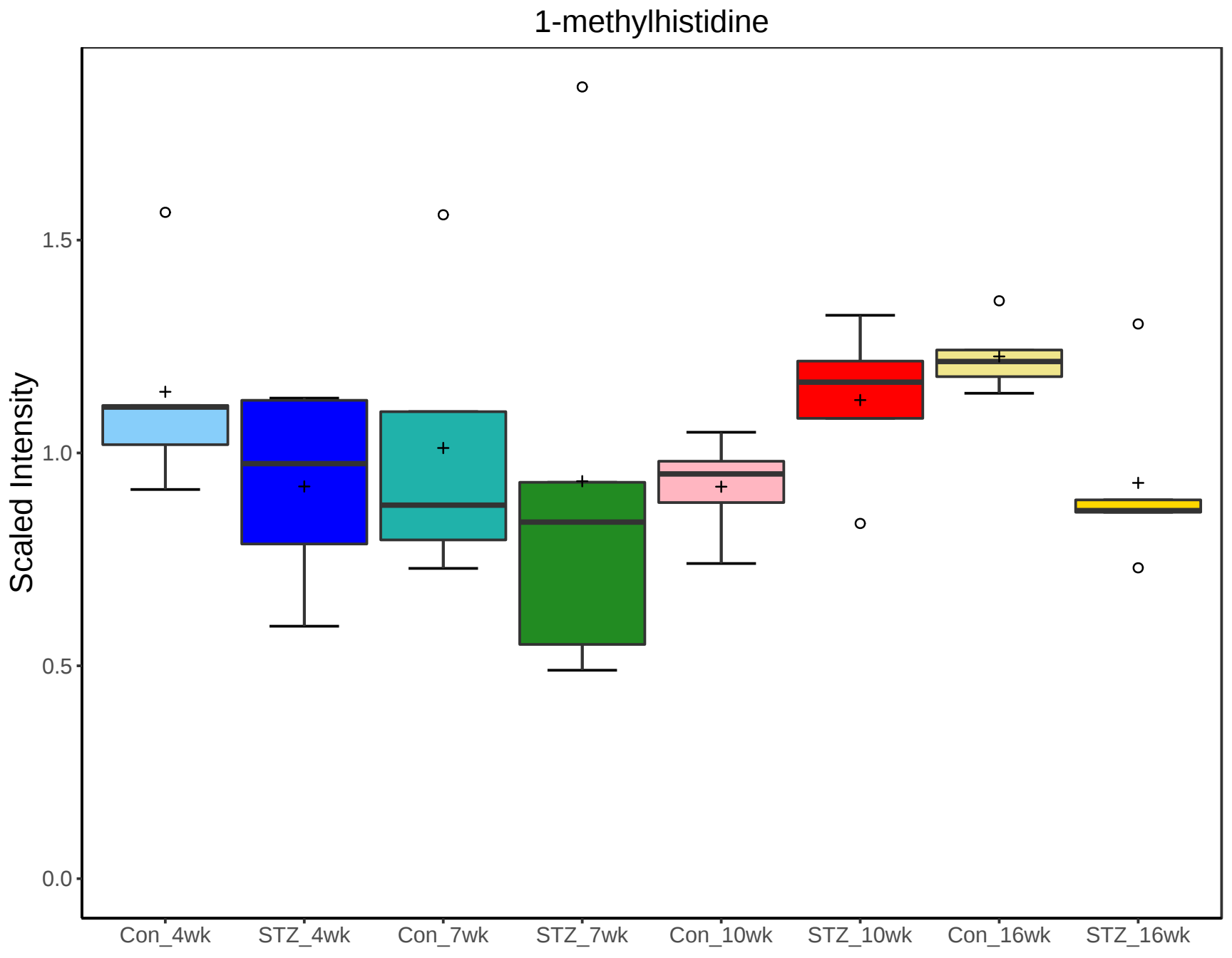

N-acetyl-aspartyl-glutamate (NAAG)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

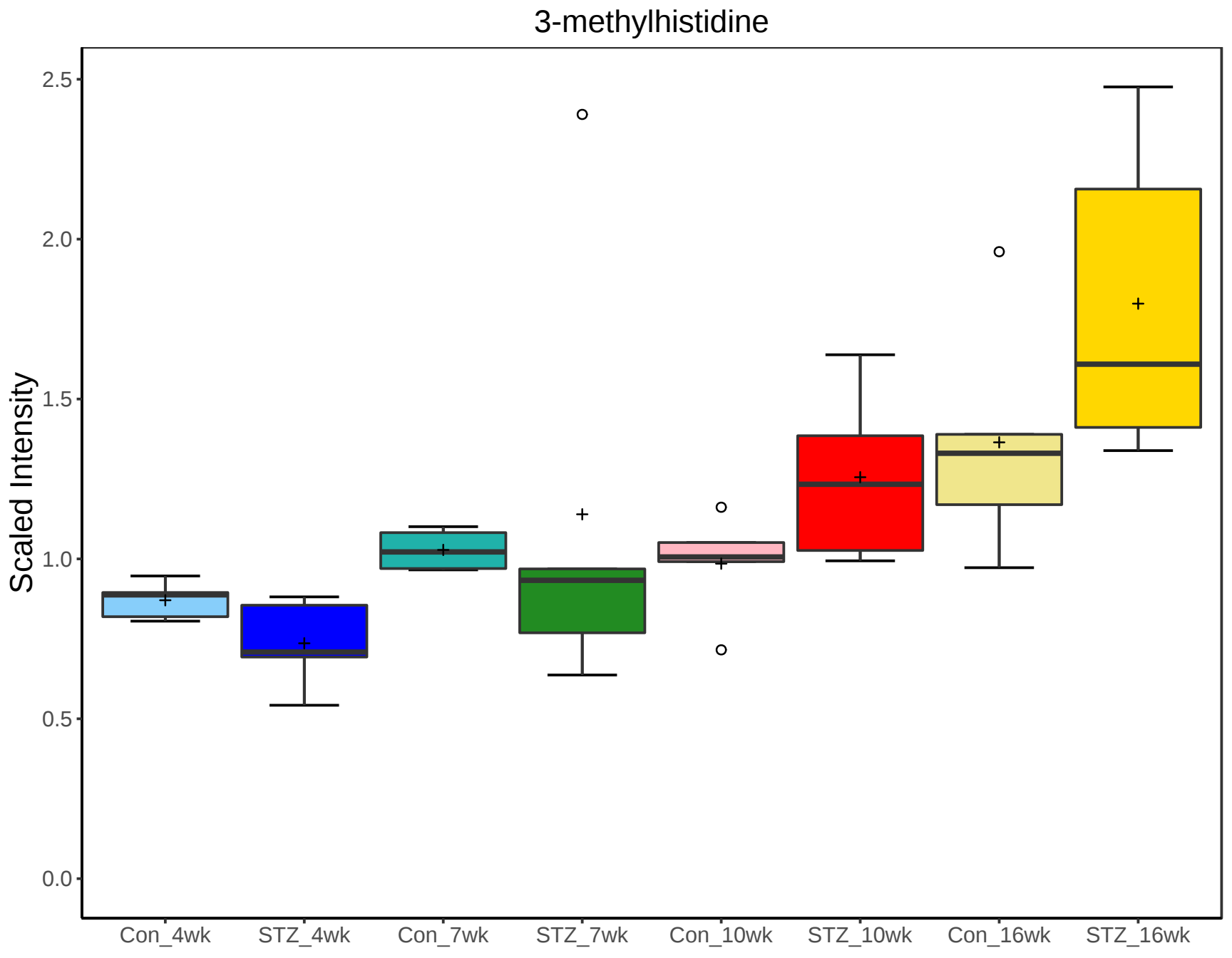

carboxyethyl-GABA
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

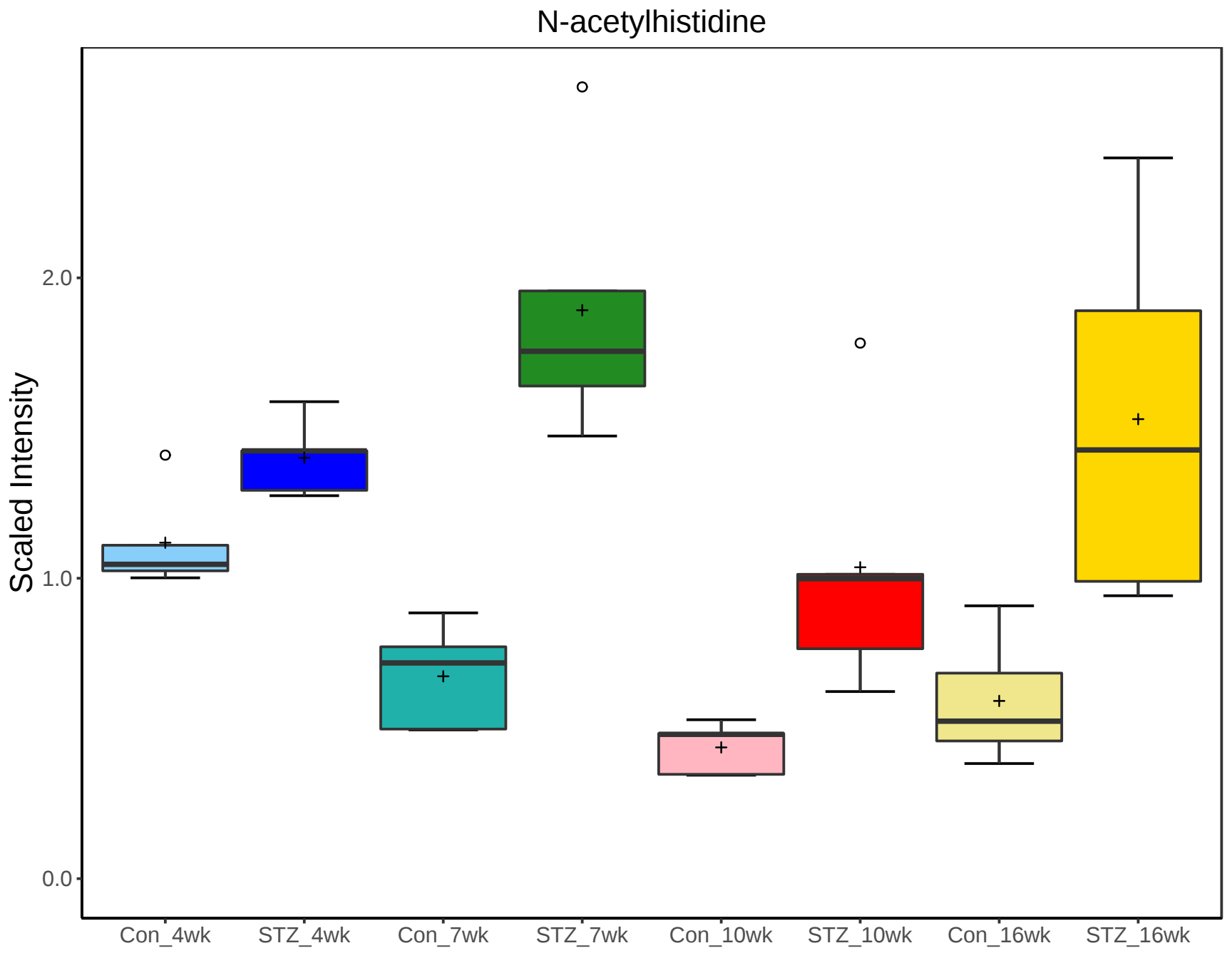

N-methyl-GABA
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

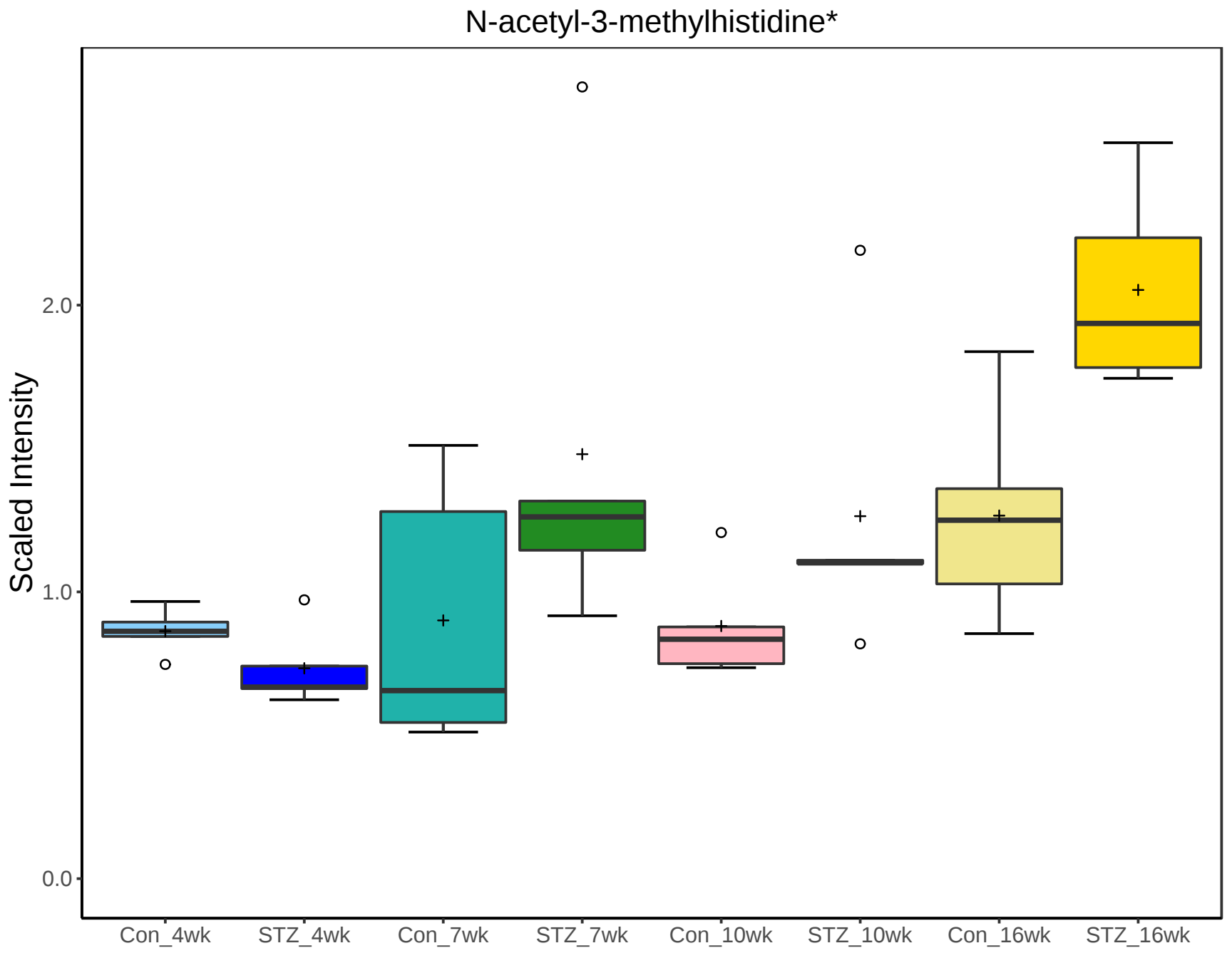

S-1-pyrroline-5-carboxylate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

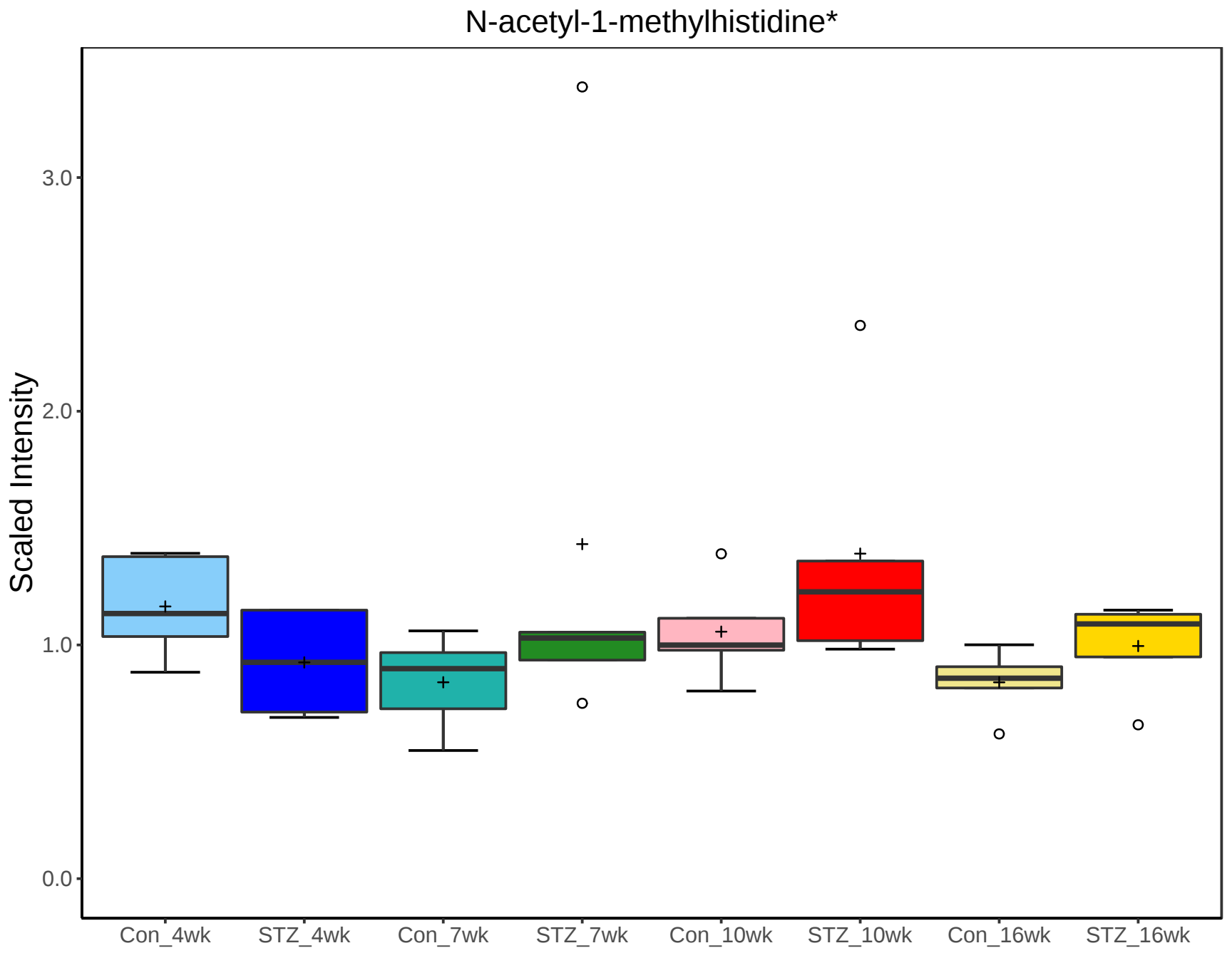

histidine
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

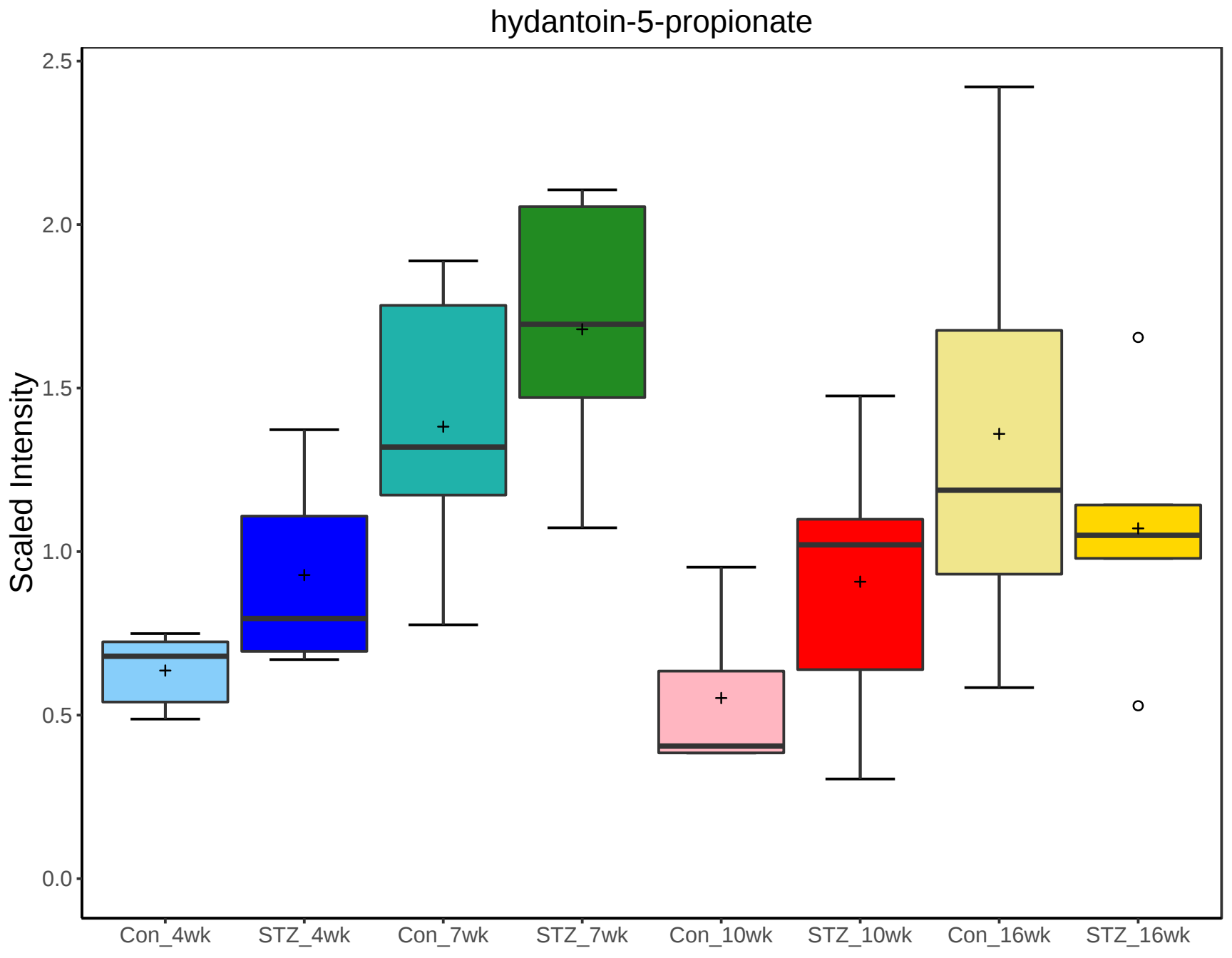

1-methylhistidine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

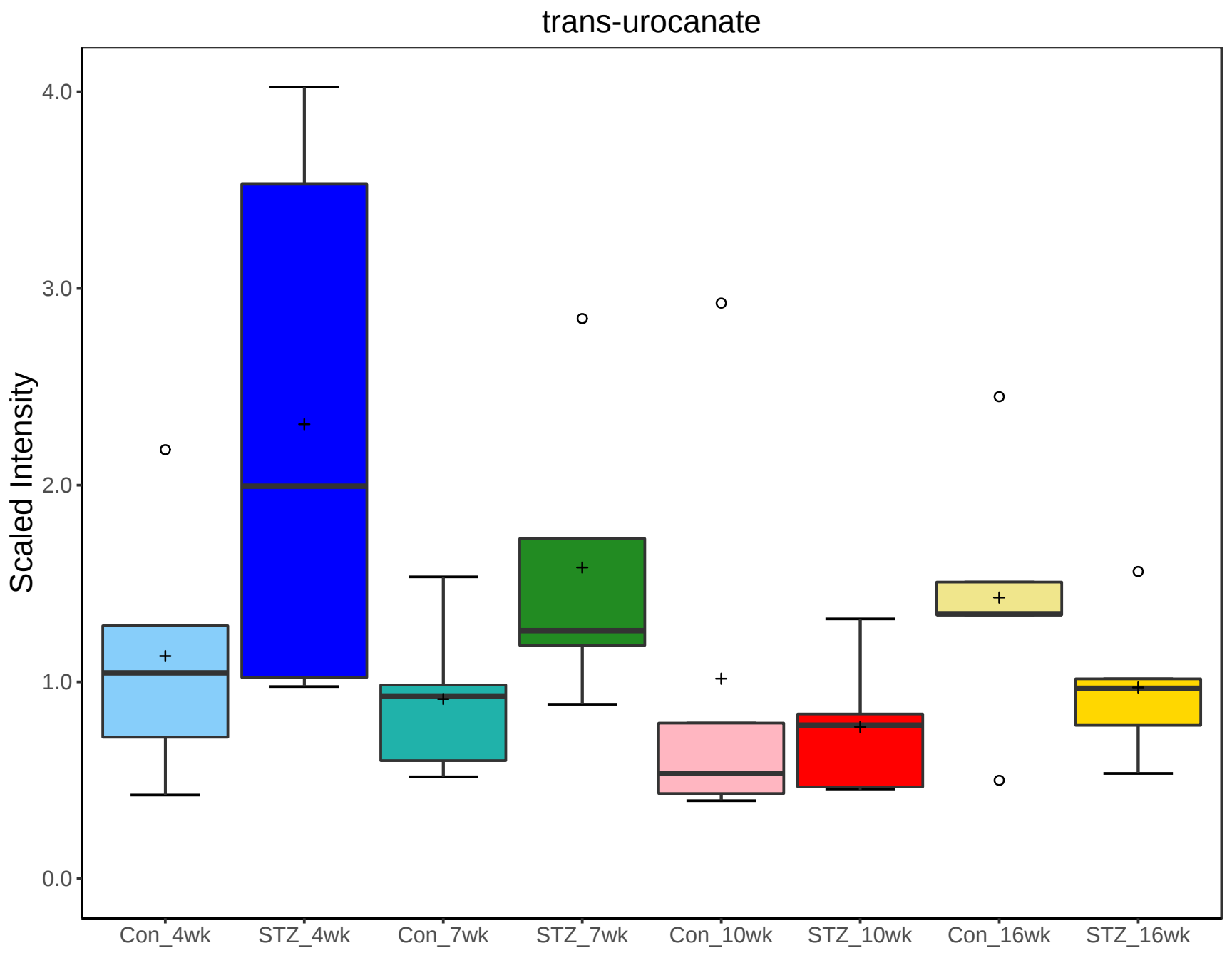

3-methylhistidine
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

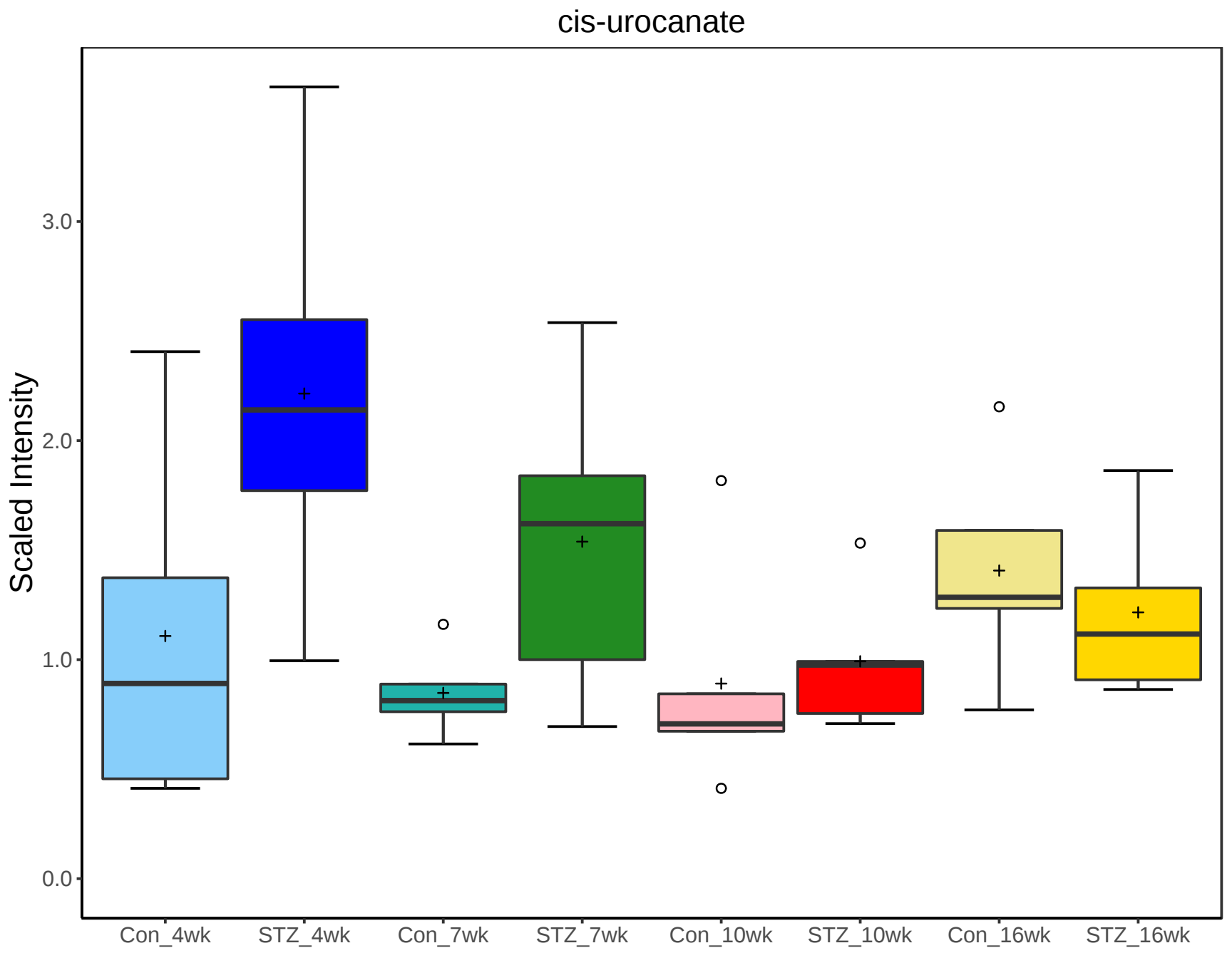

N-acetylhistidine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

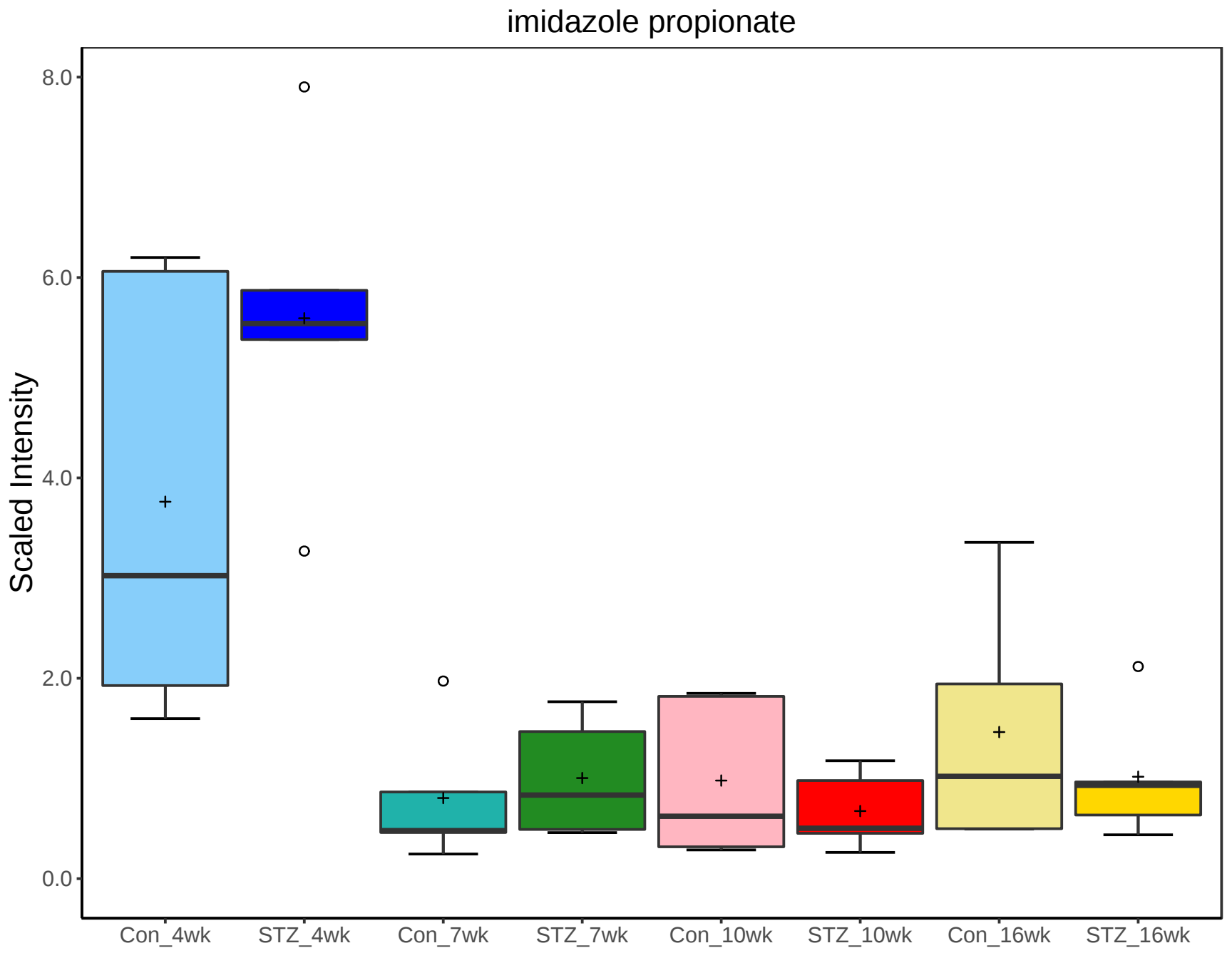

N-acetyl-3-methylhistidine*
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

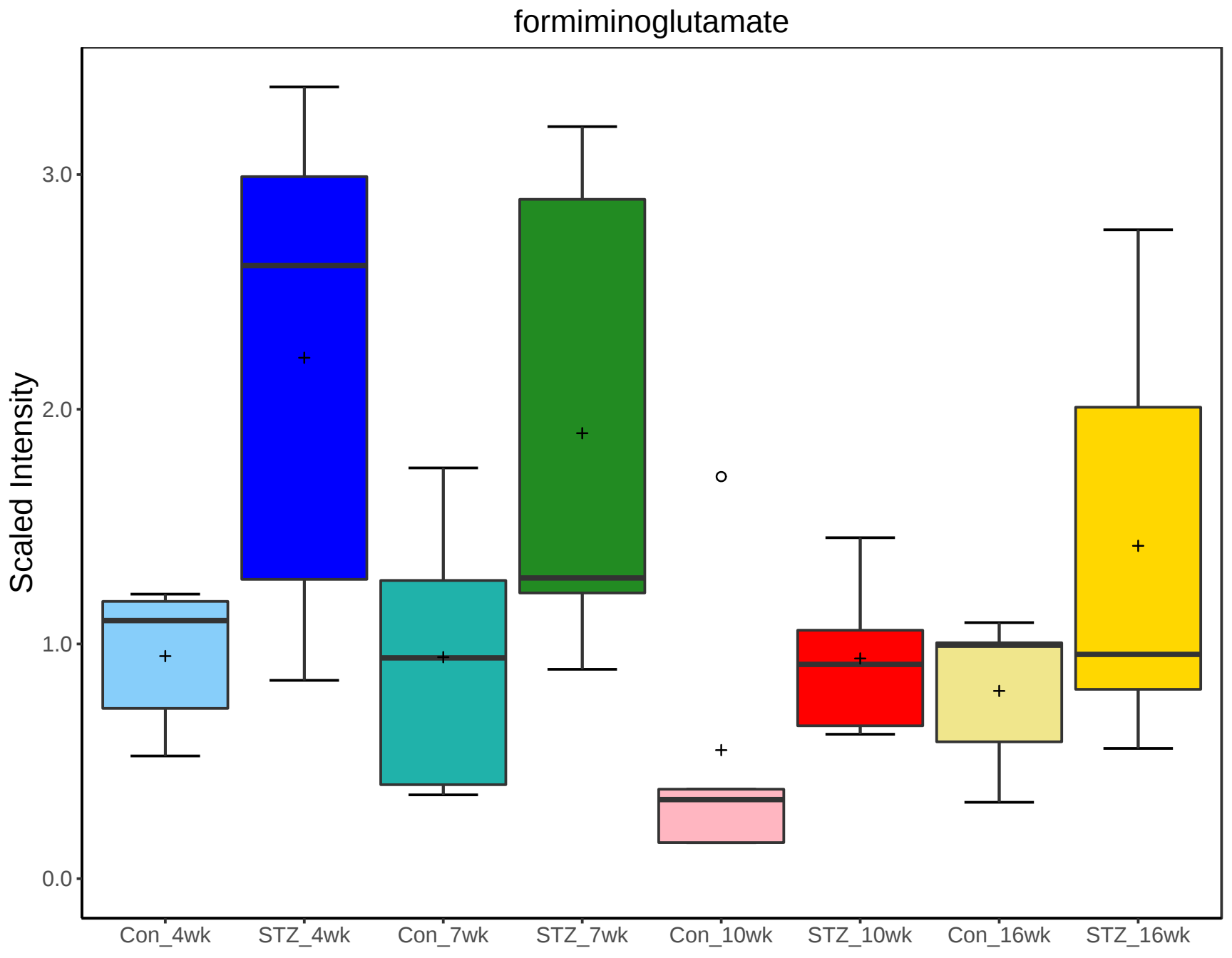

N-acetyl-1-methylhistidine*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

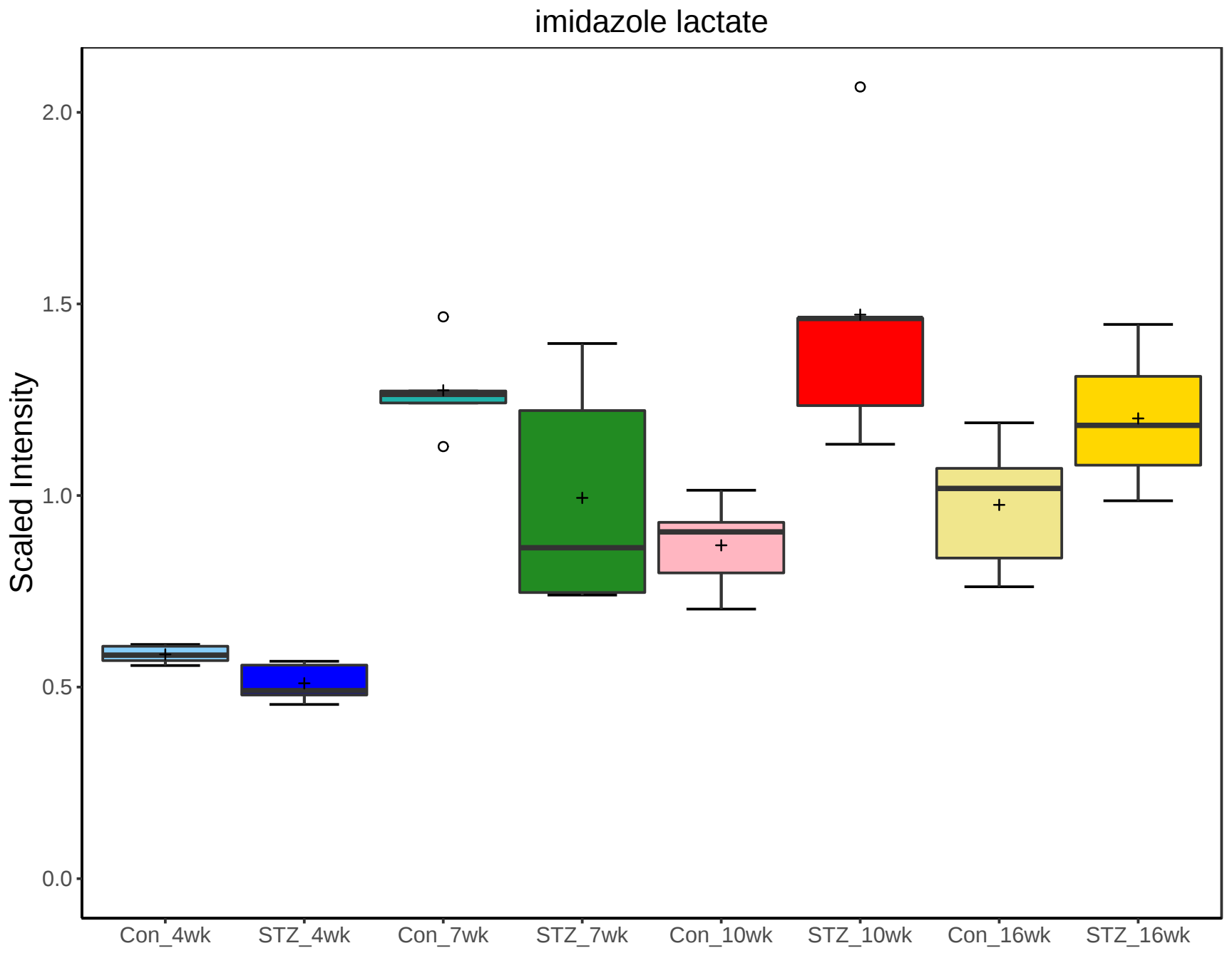

hydantoin-5-propionate
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

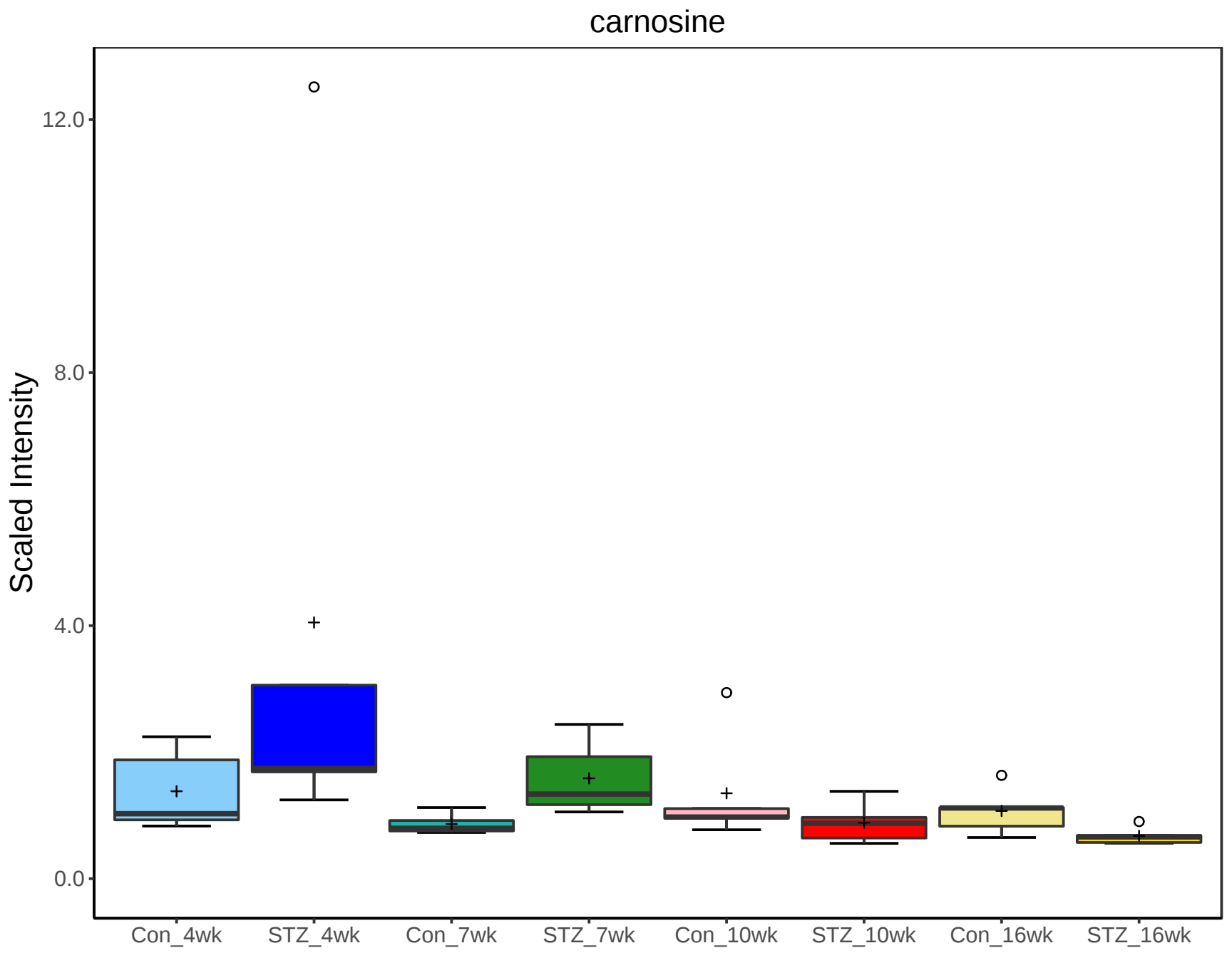

trans-urocanate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

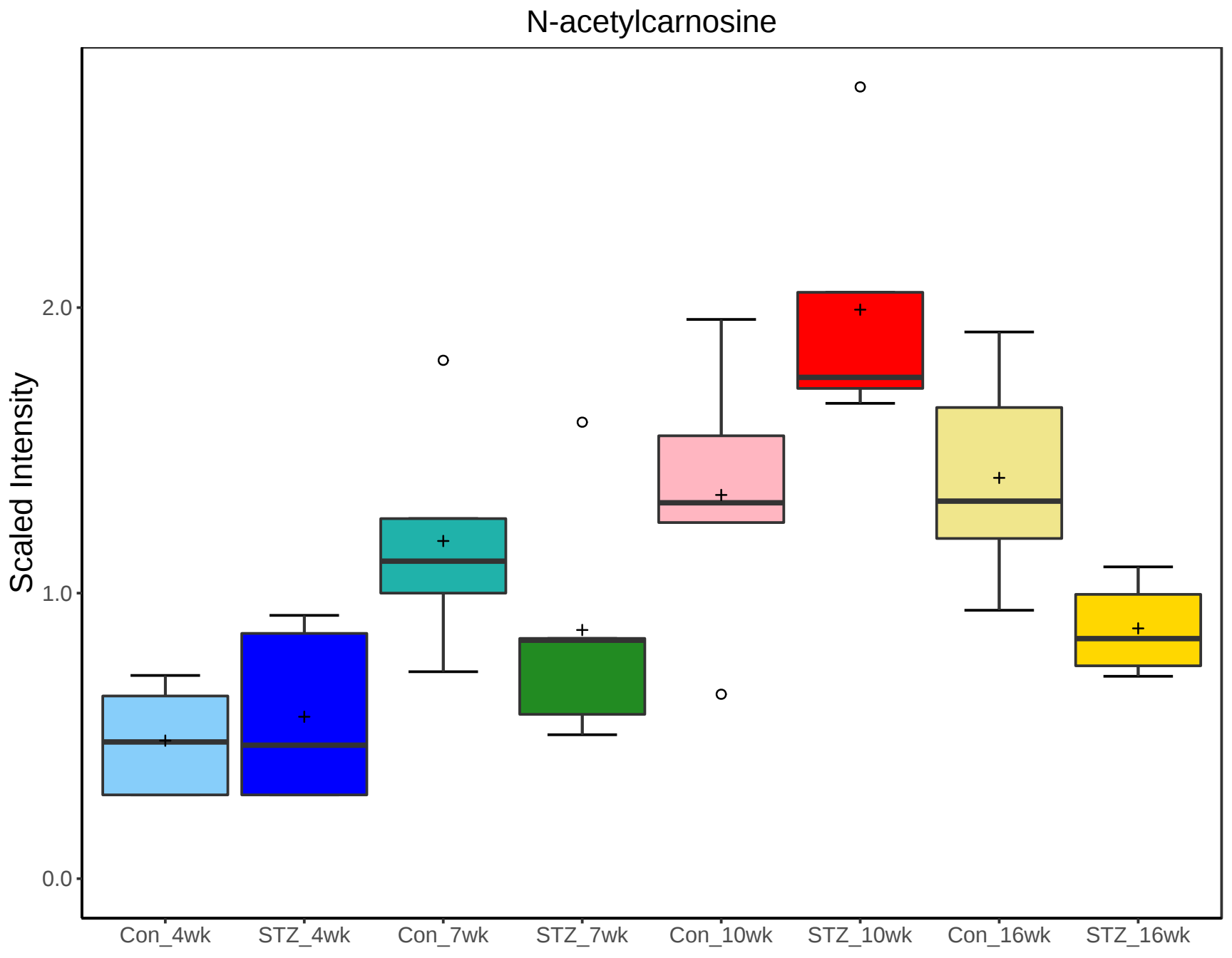

cis-urocanate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

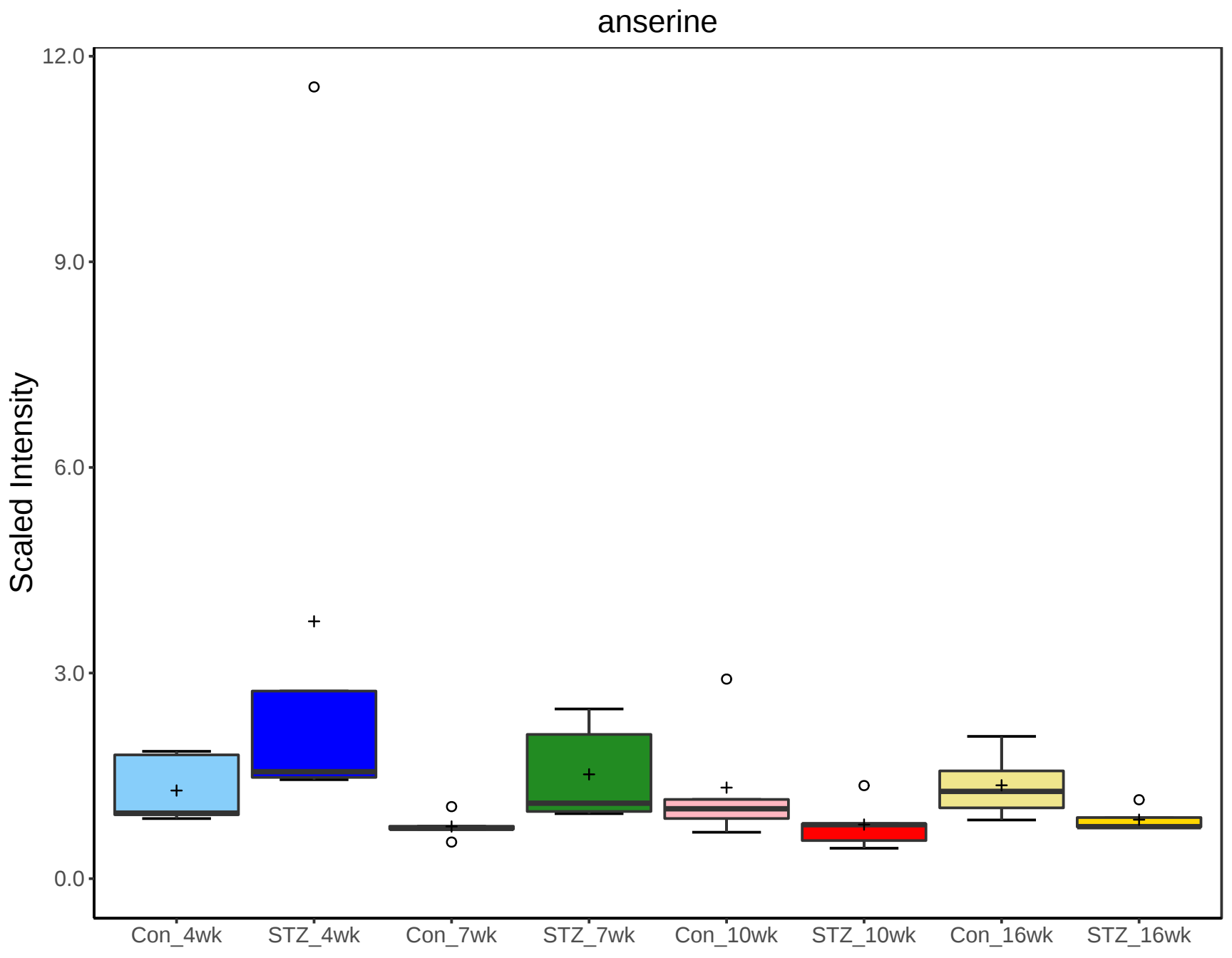

imidazole propionate
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

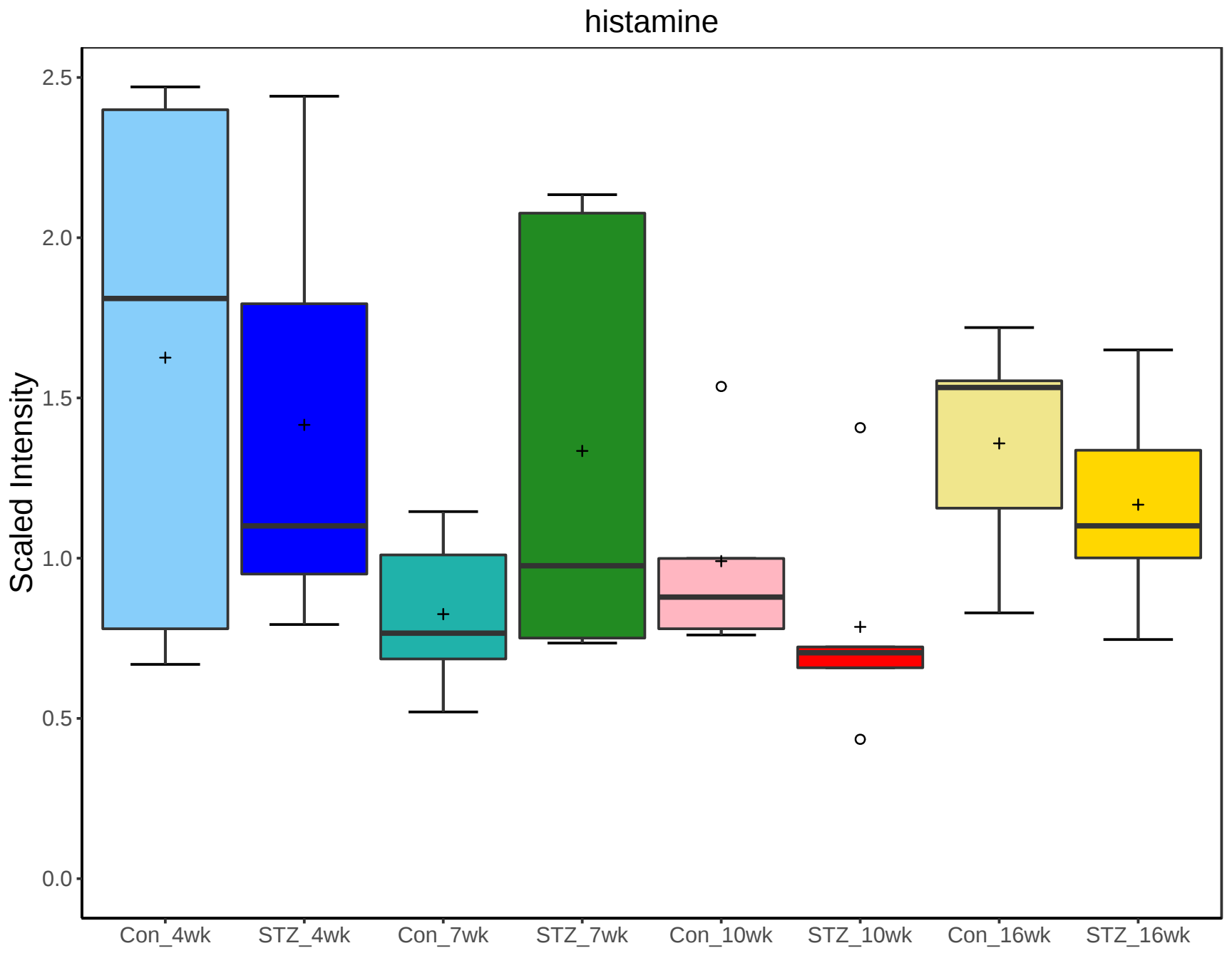

formiminoglutamate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

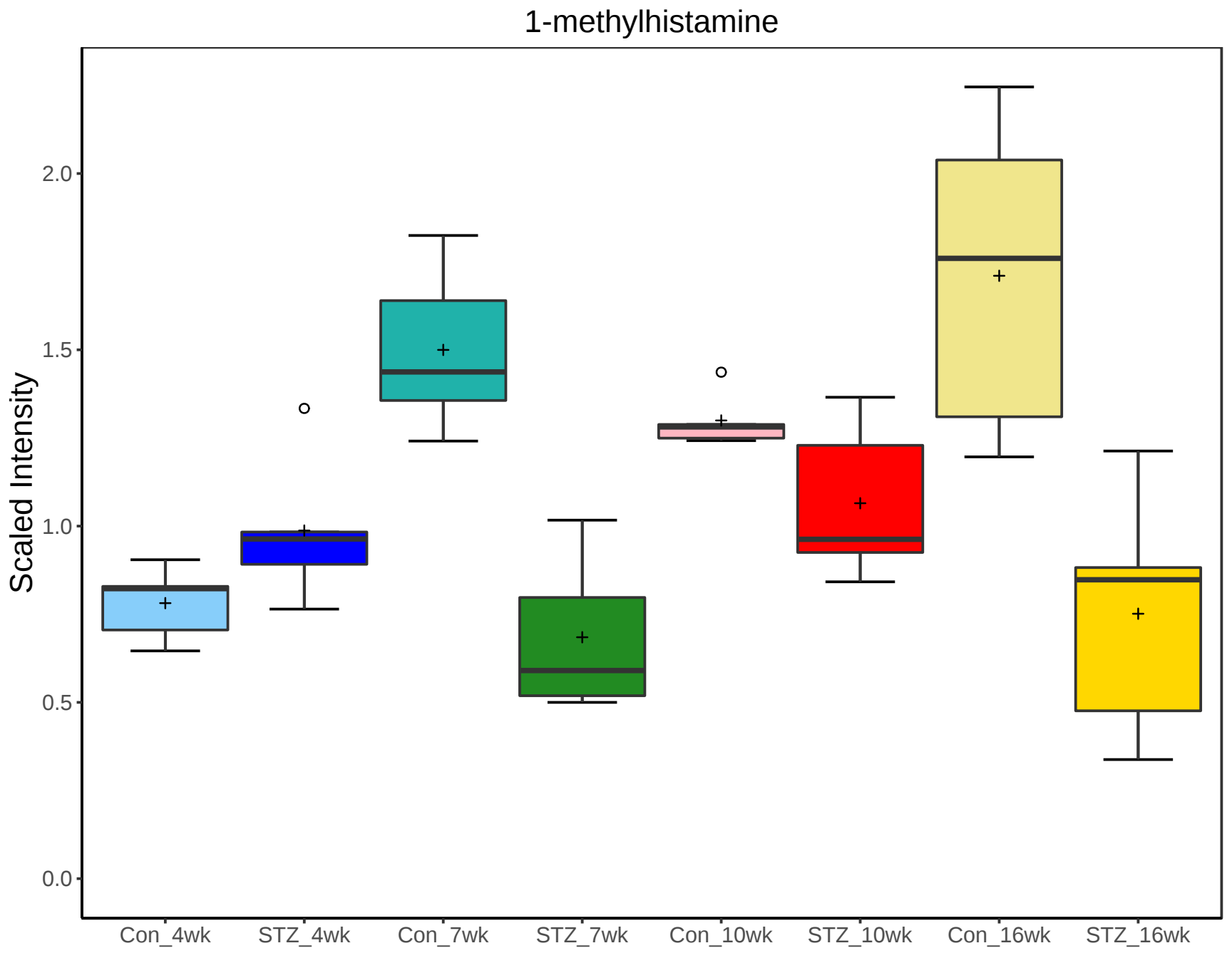

imidazole lactate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

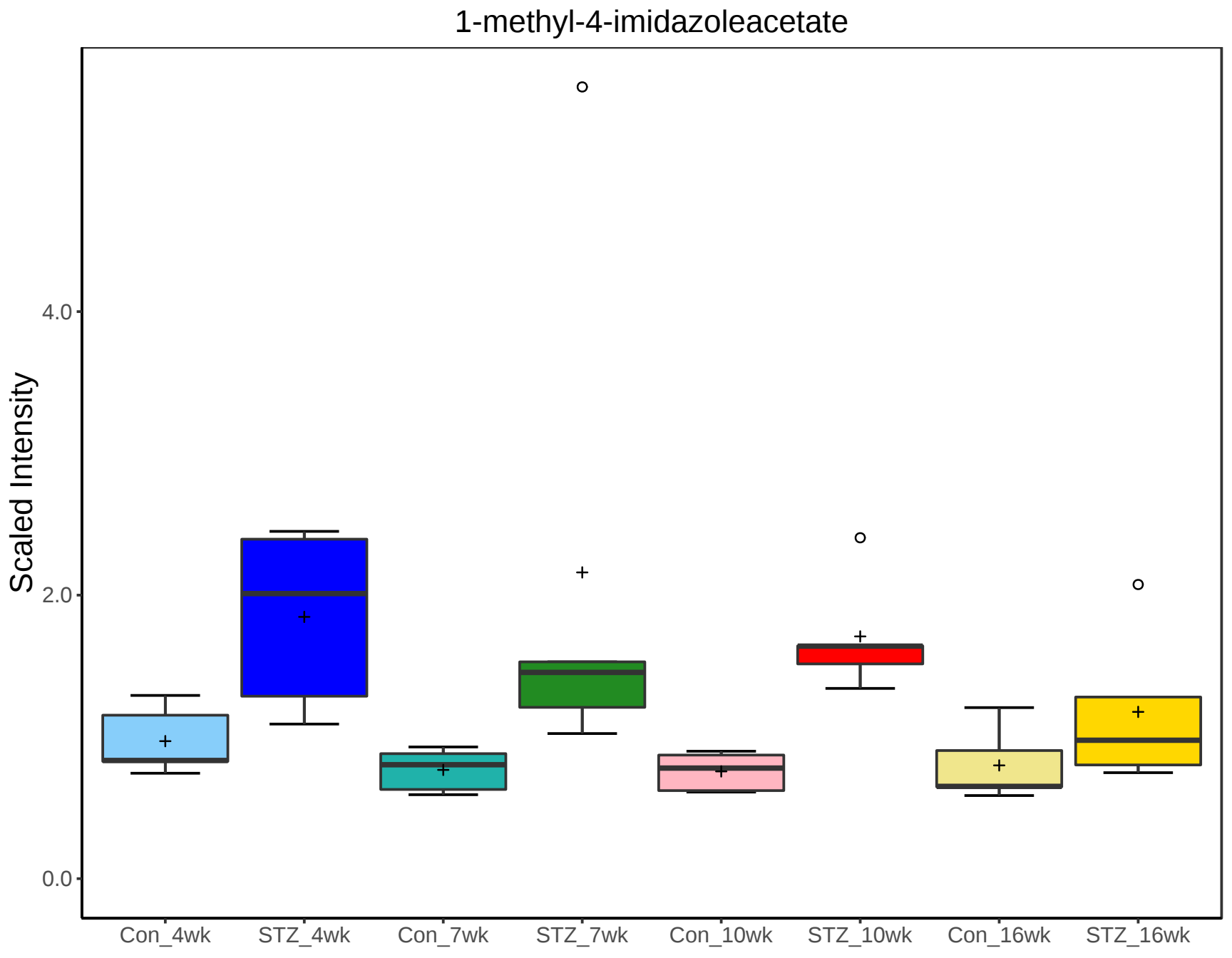

carnosine
Scaled Intensity
12.0
8.0
4.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

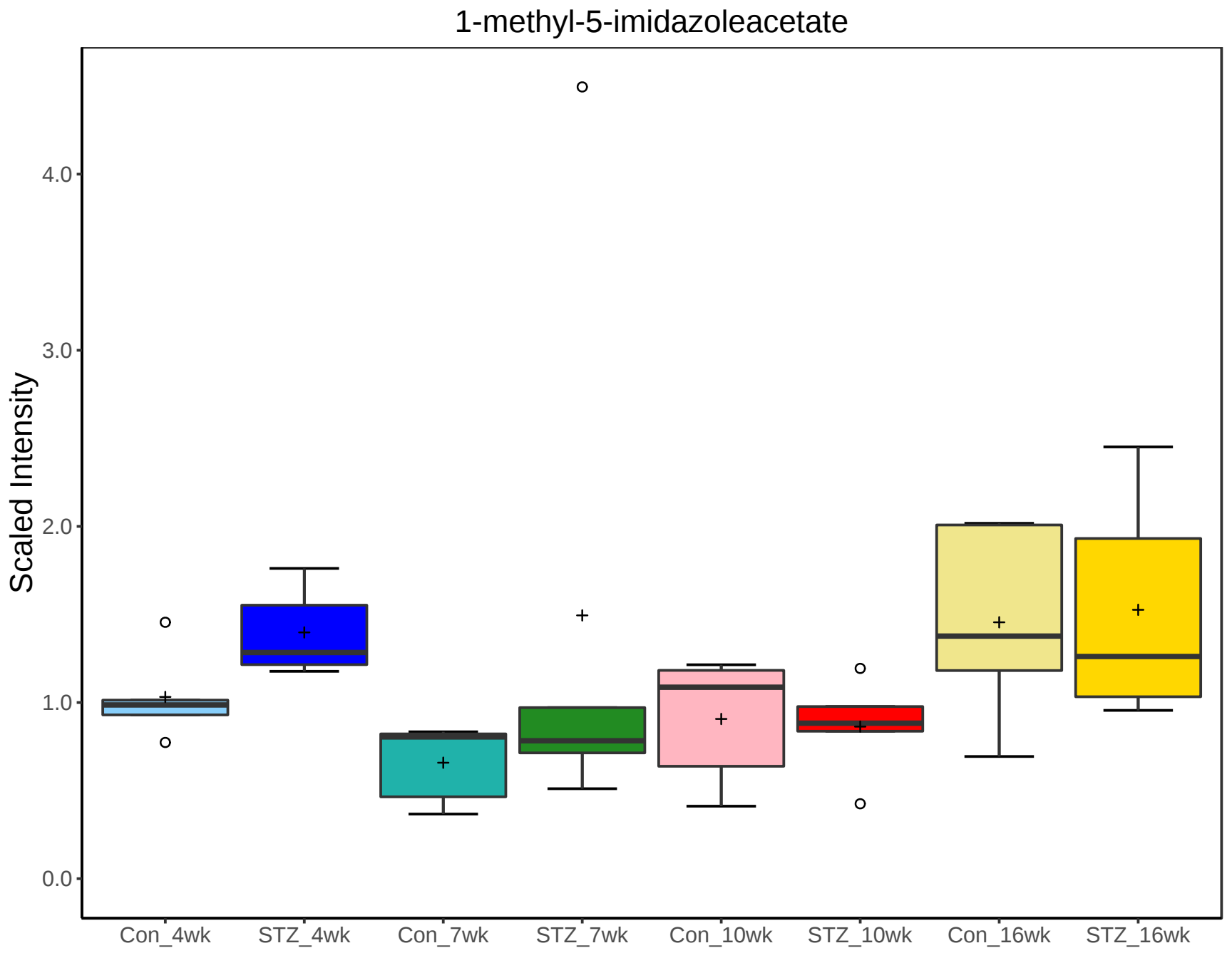

N-acetylcarnosine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

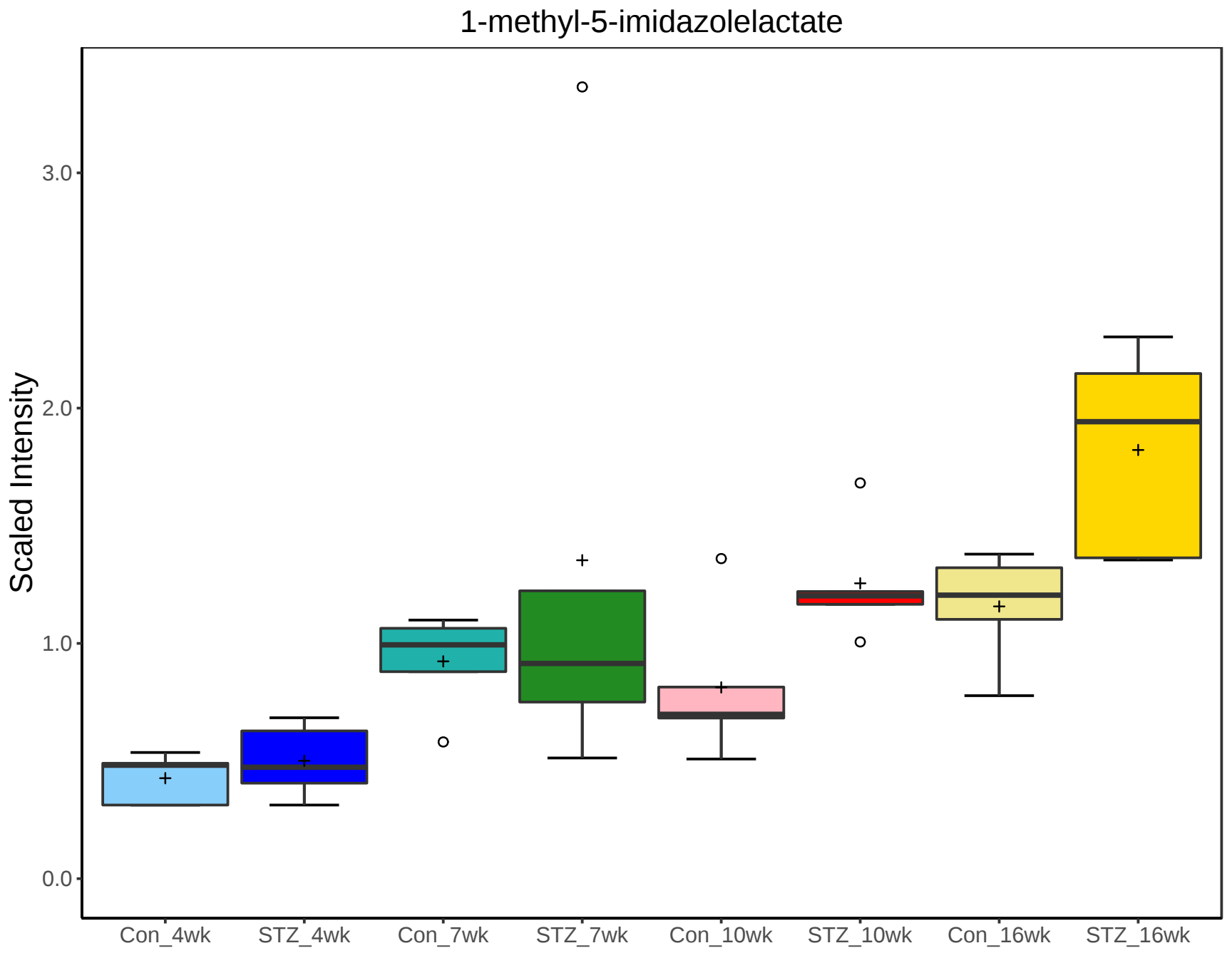

anserine
Scaled Intensity
12.0
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

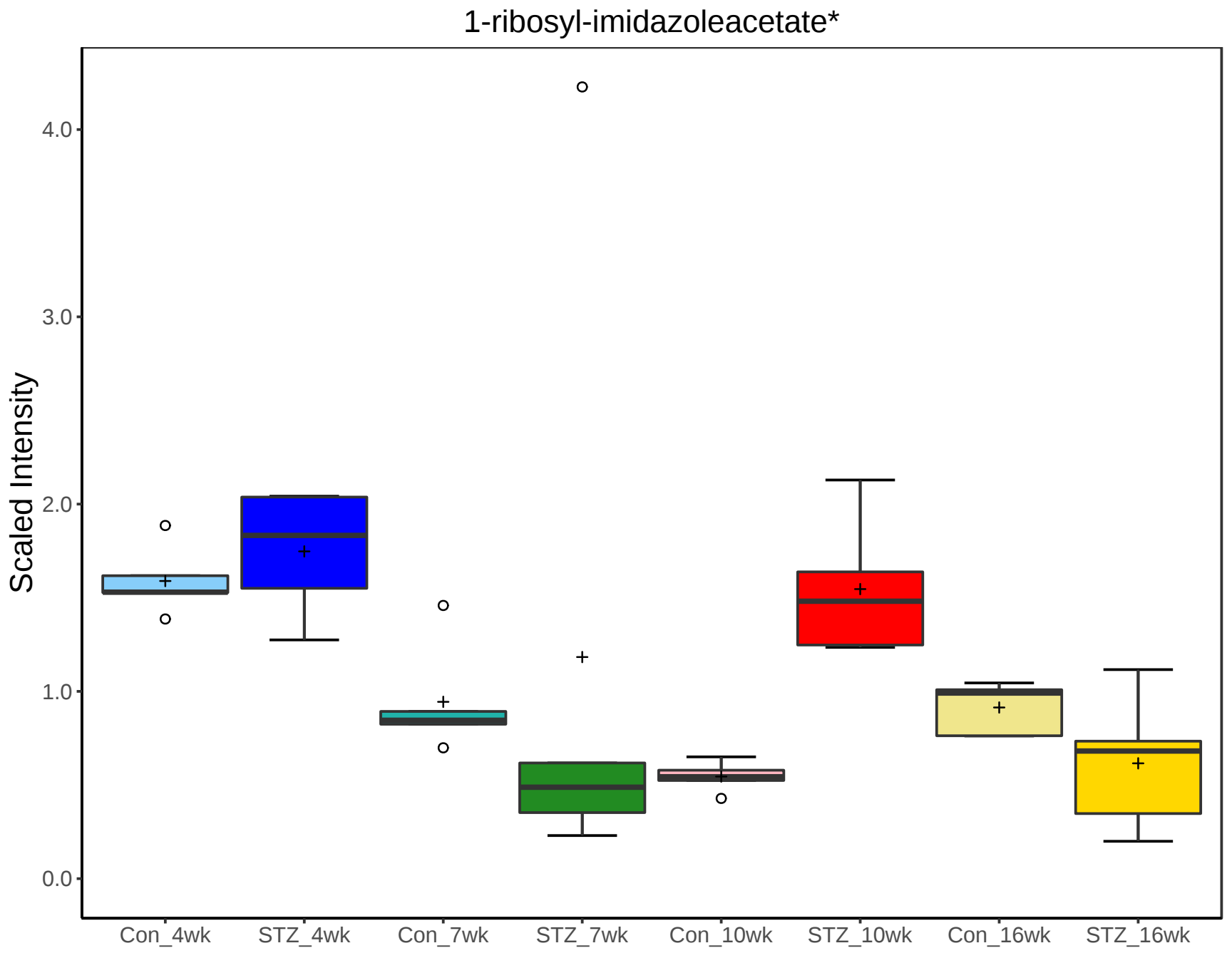

histamine
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

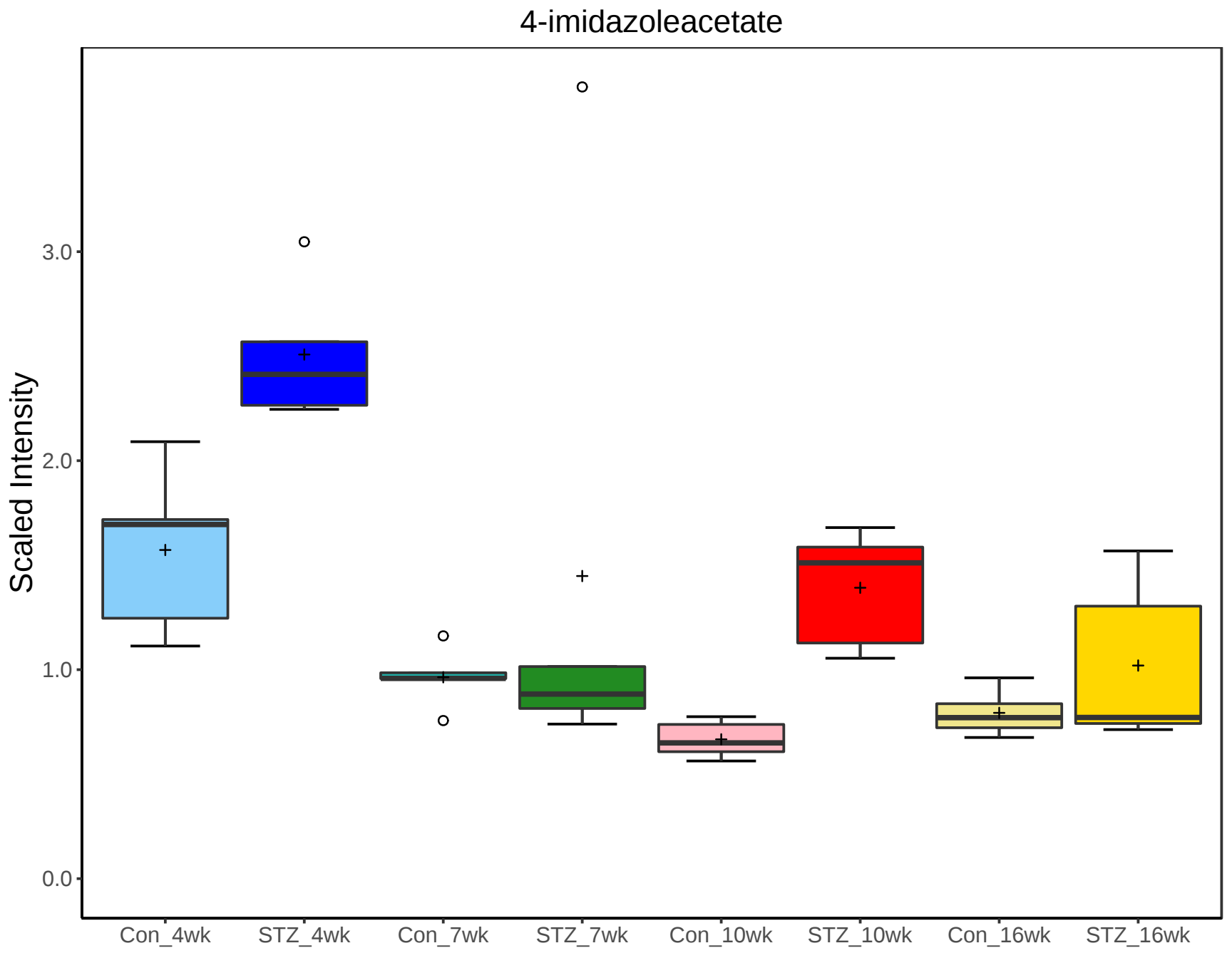

1-methylhistamine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

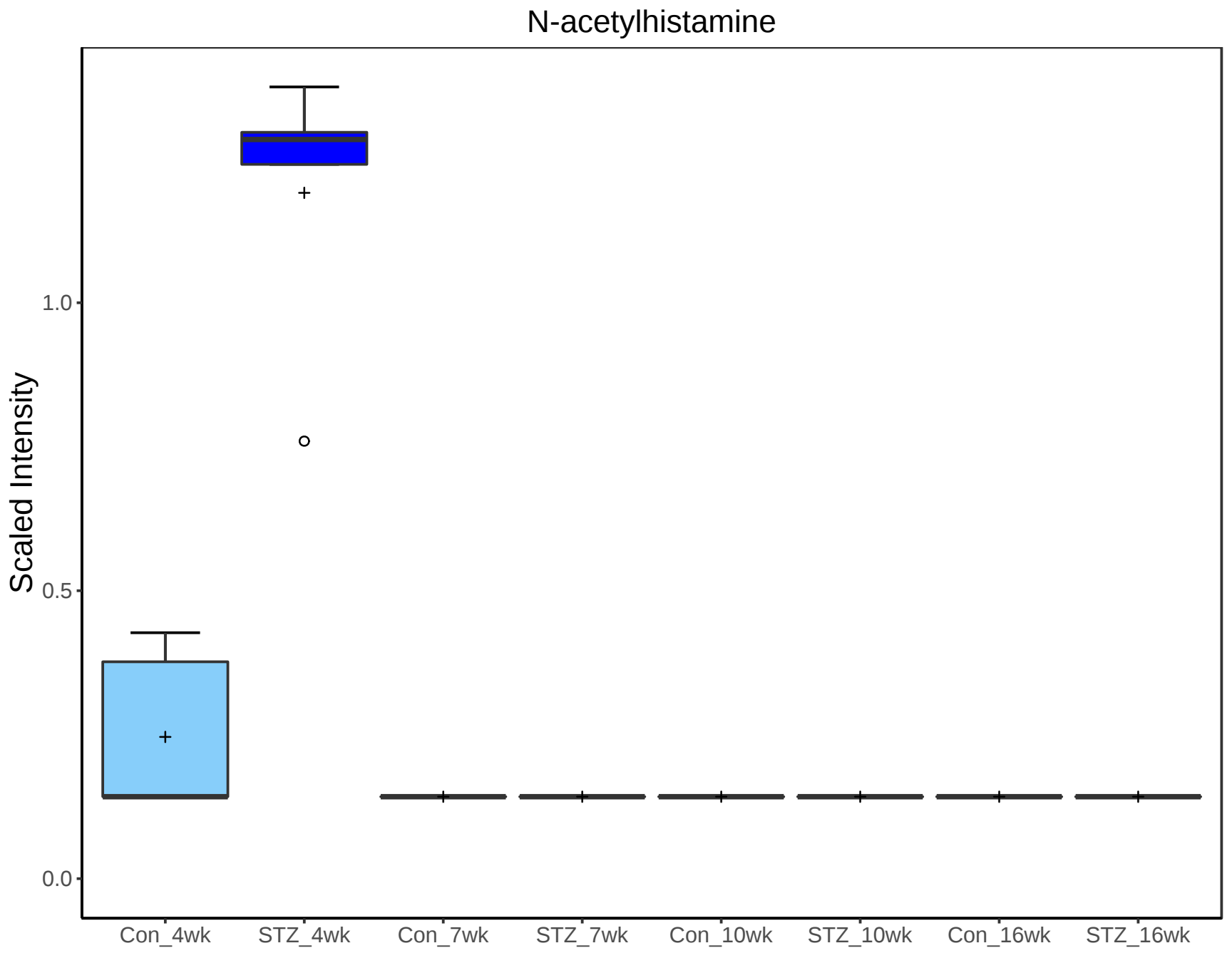

1-methyl-4-imidazoleacetate
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

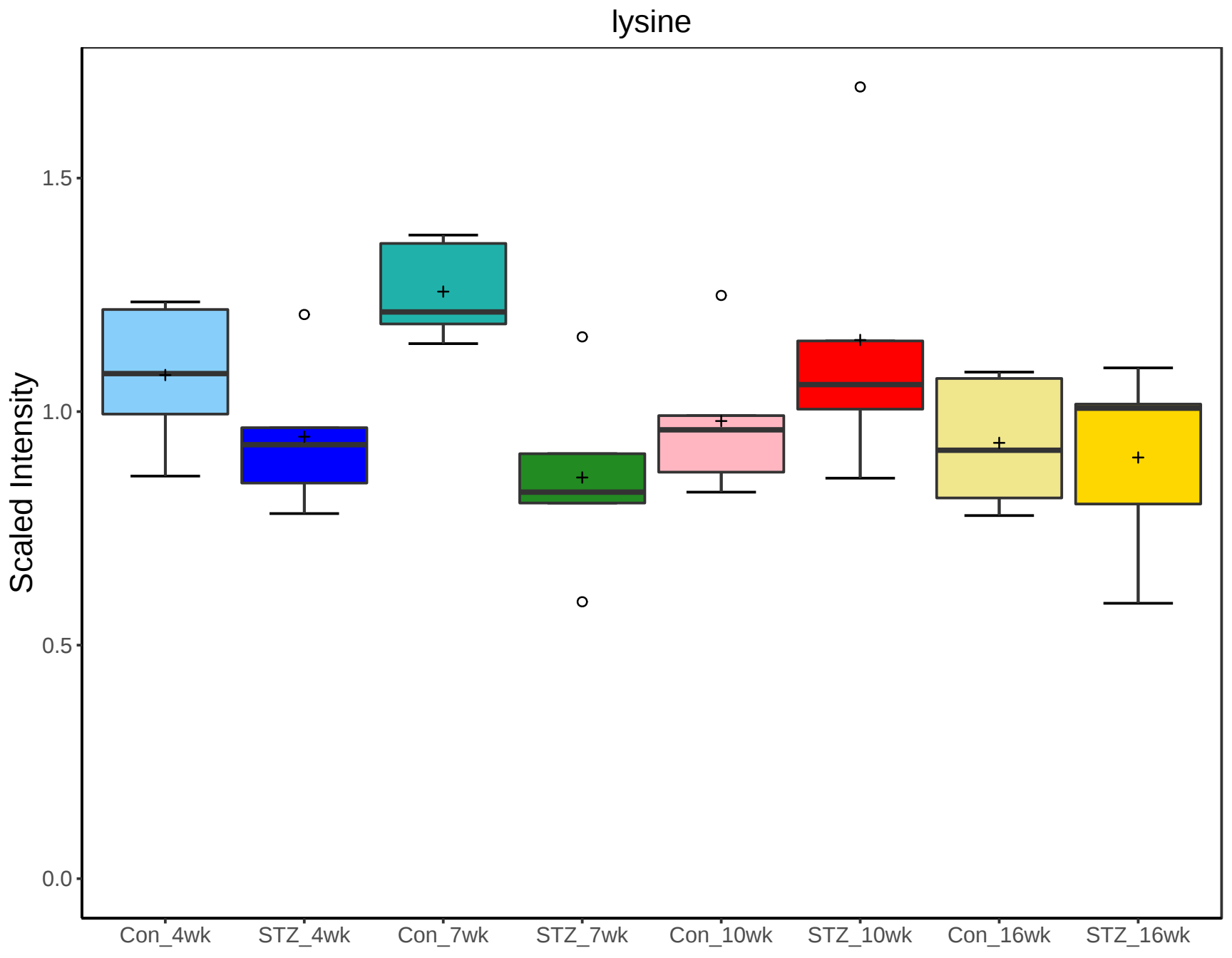

1-methyl-5-imidazoleacetate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

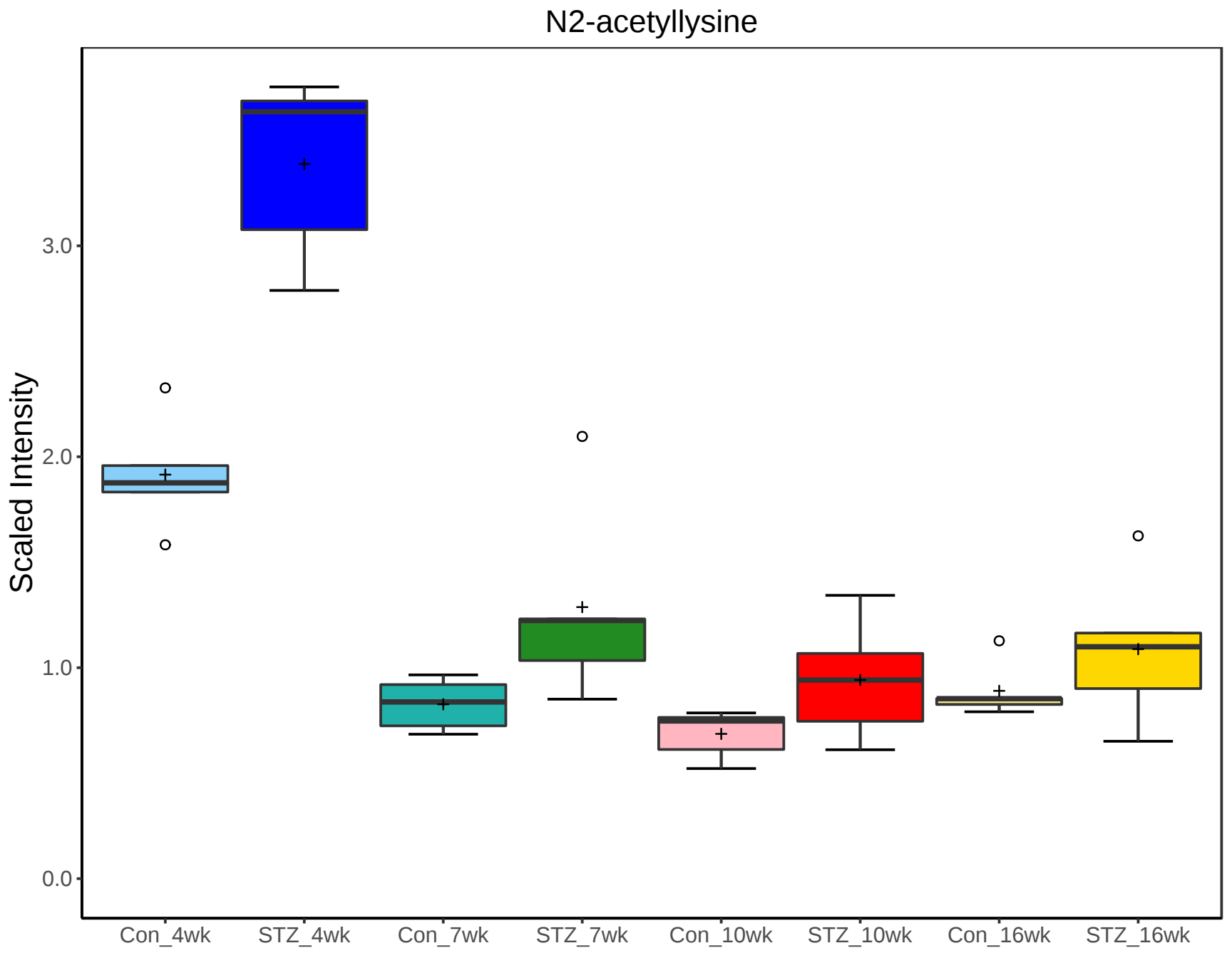

1-methyl-5-imidazolelactate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

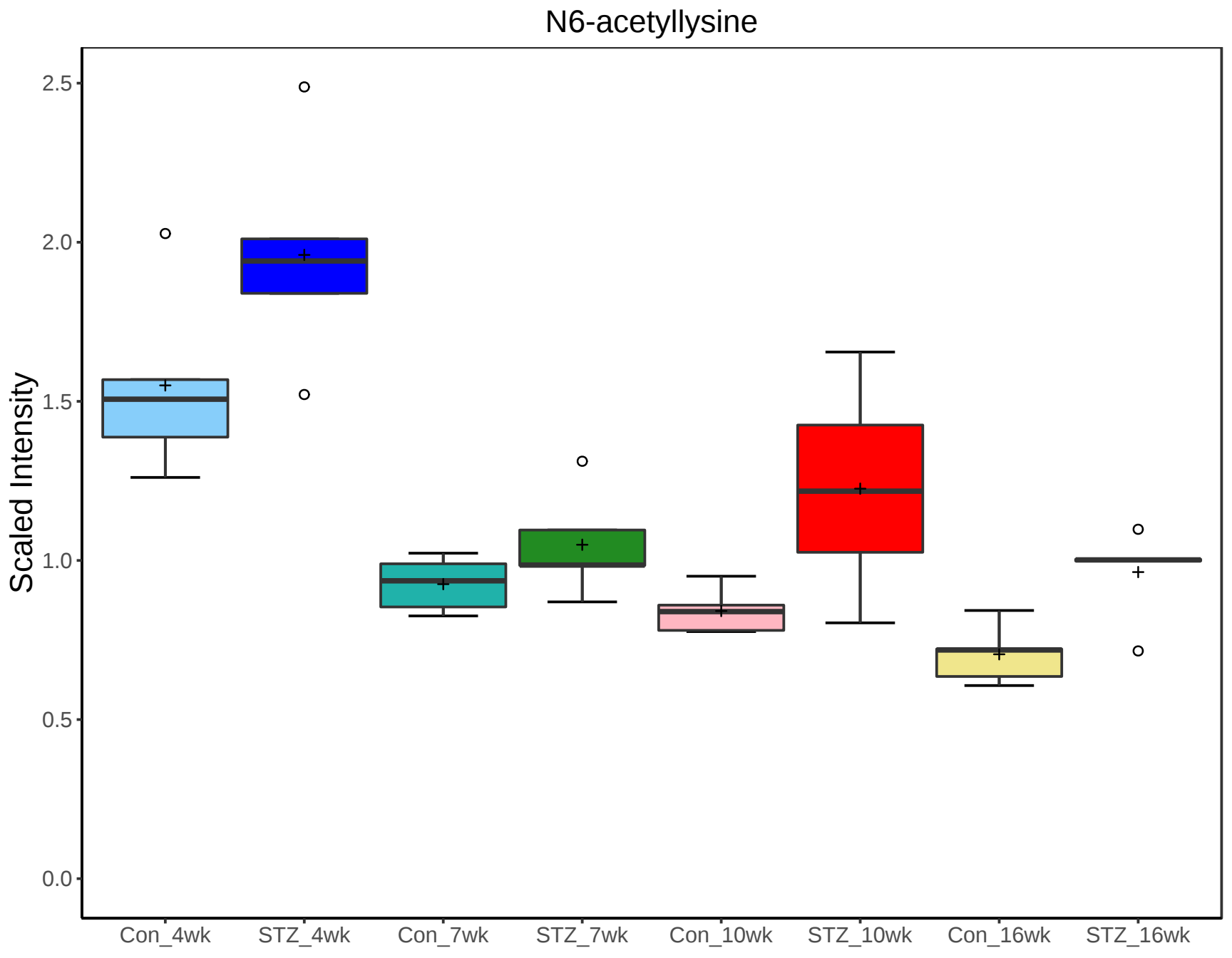

1-ribosyl-imidazoleacetate*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

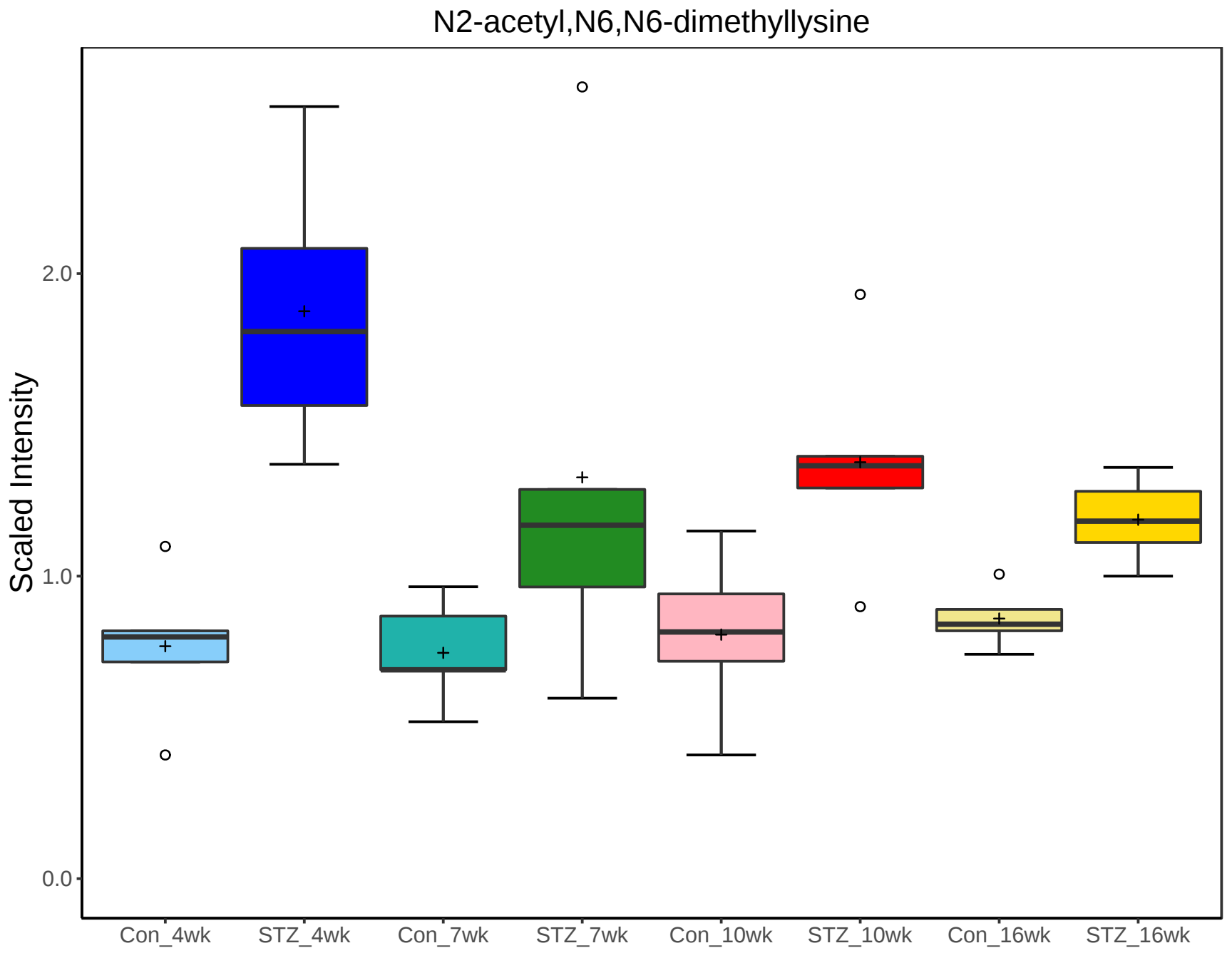

4-imidazoleacetate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

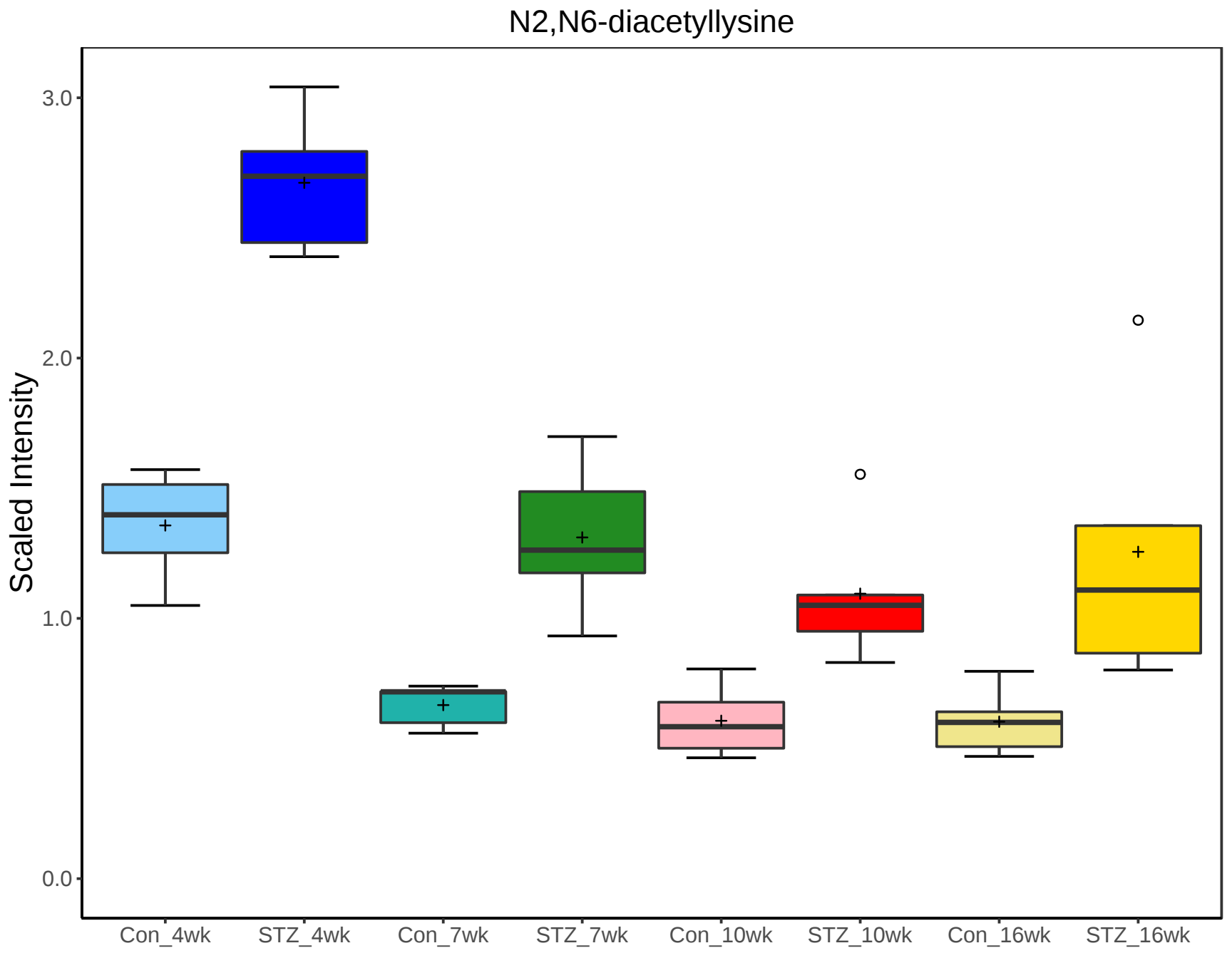

N-acetylhistamine
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

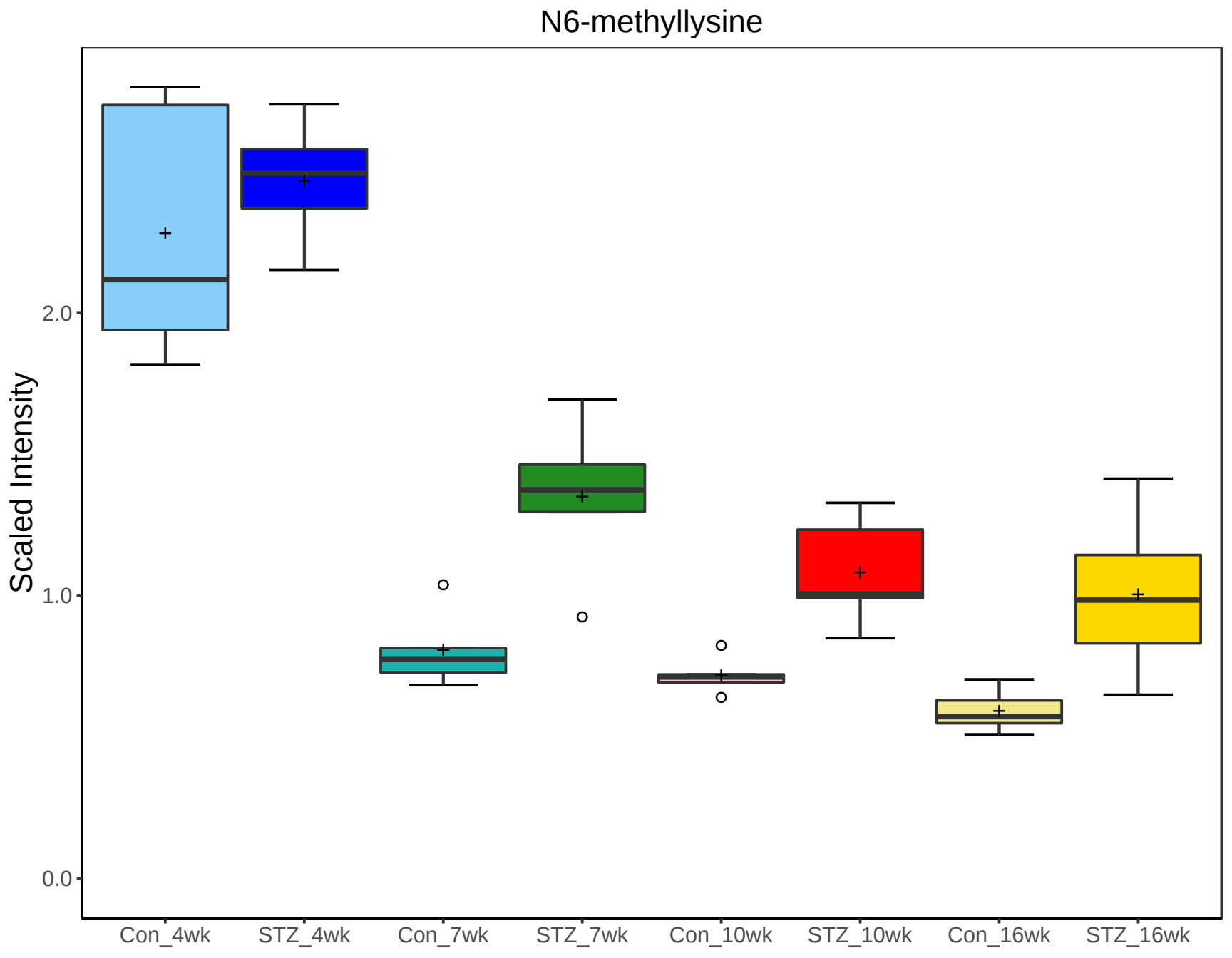

lysine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

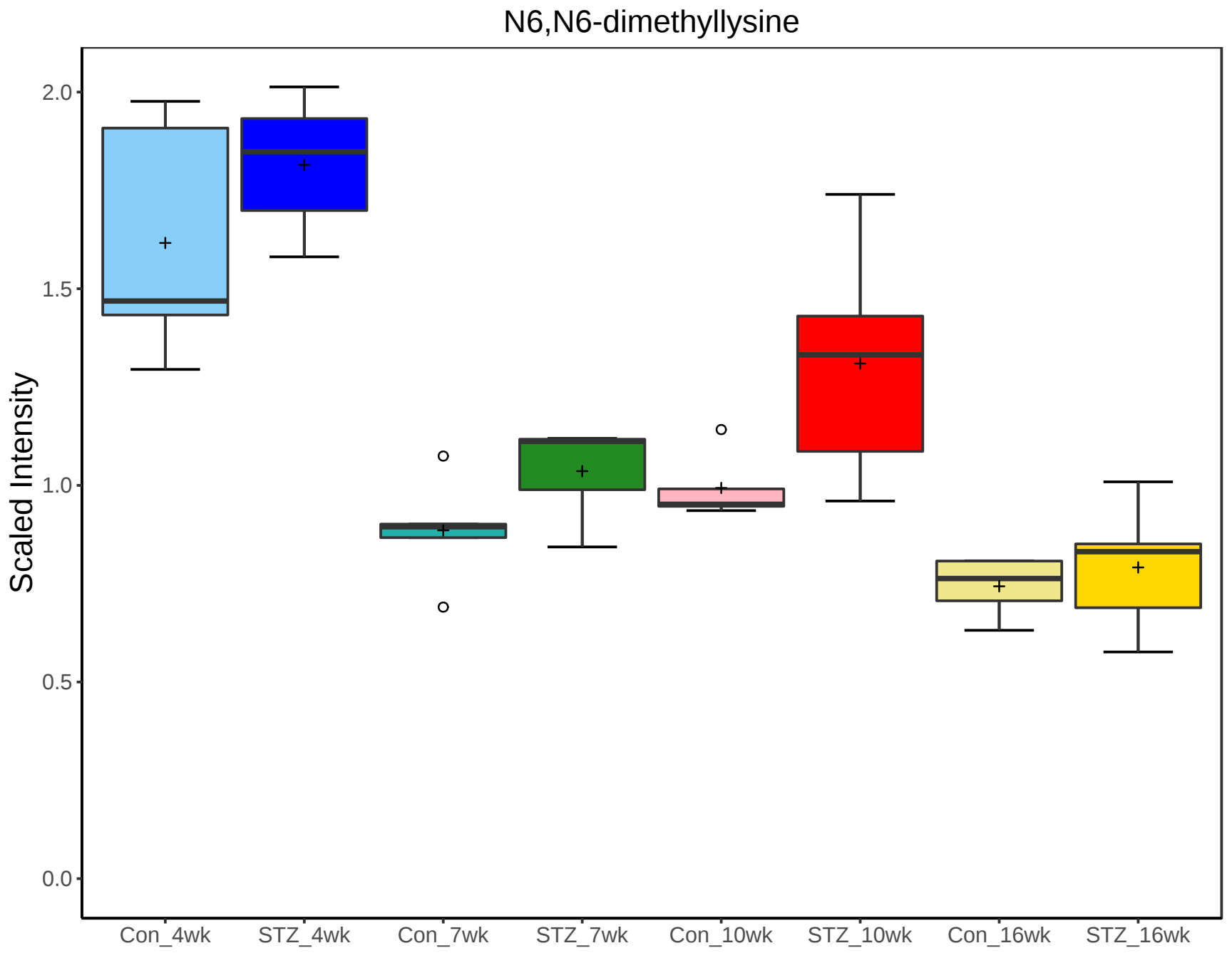

N2-acetyllysine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

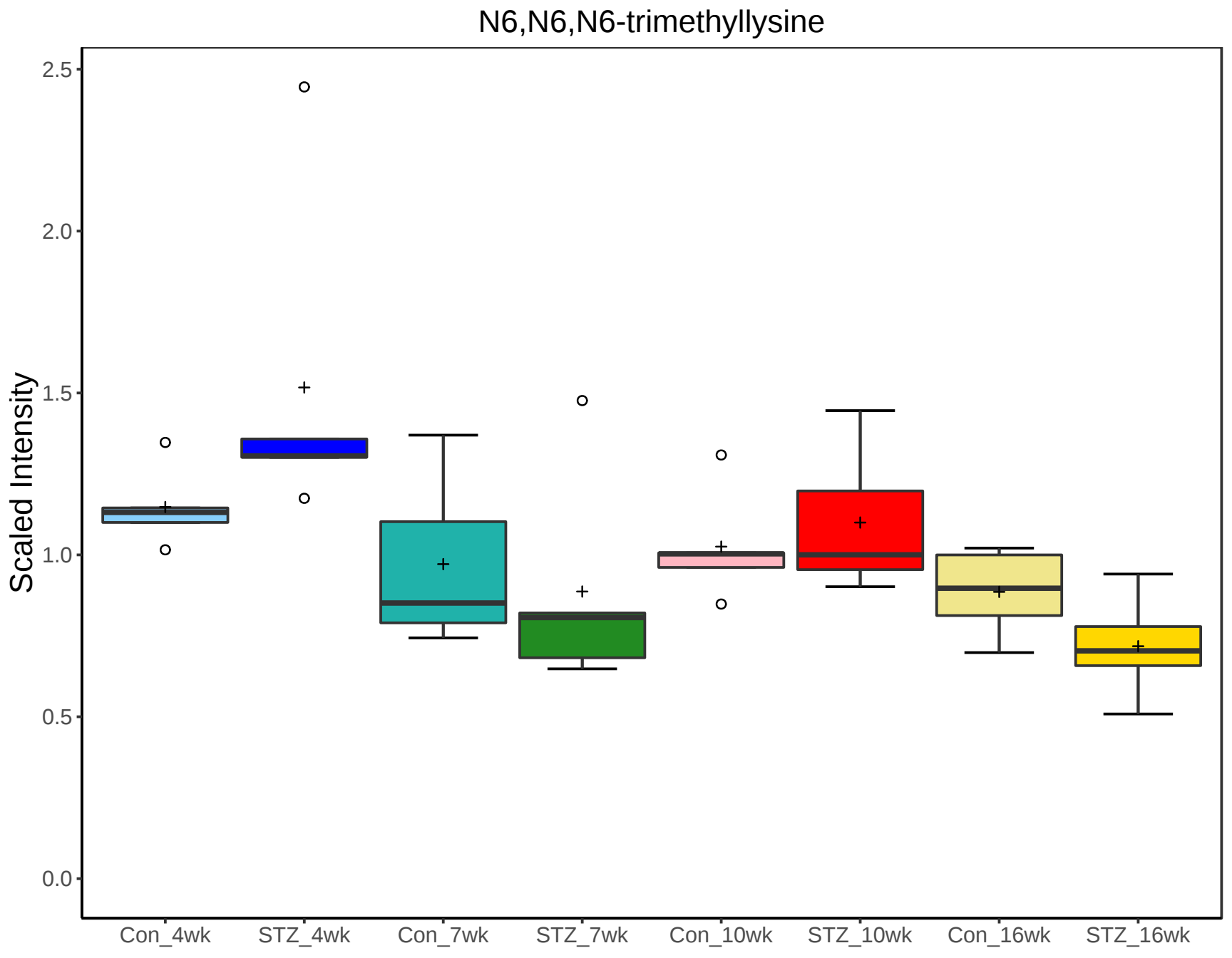

N6-acetyllysine
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

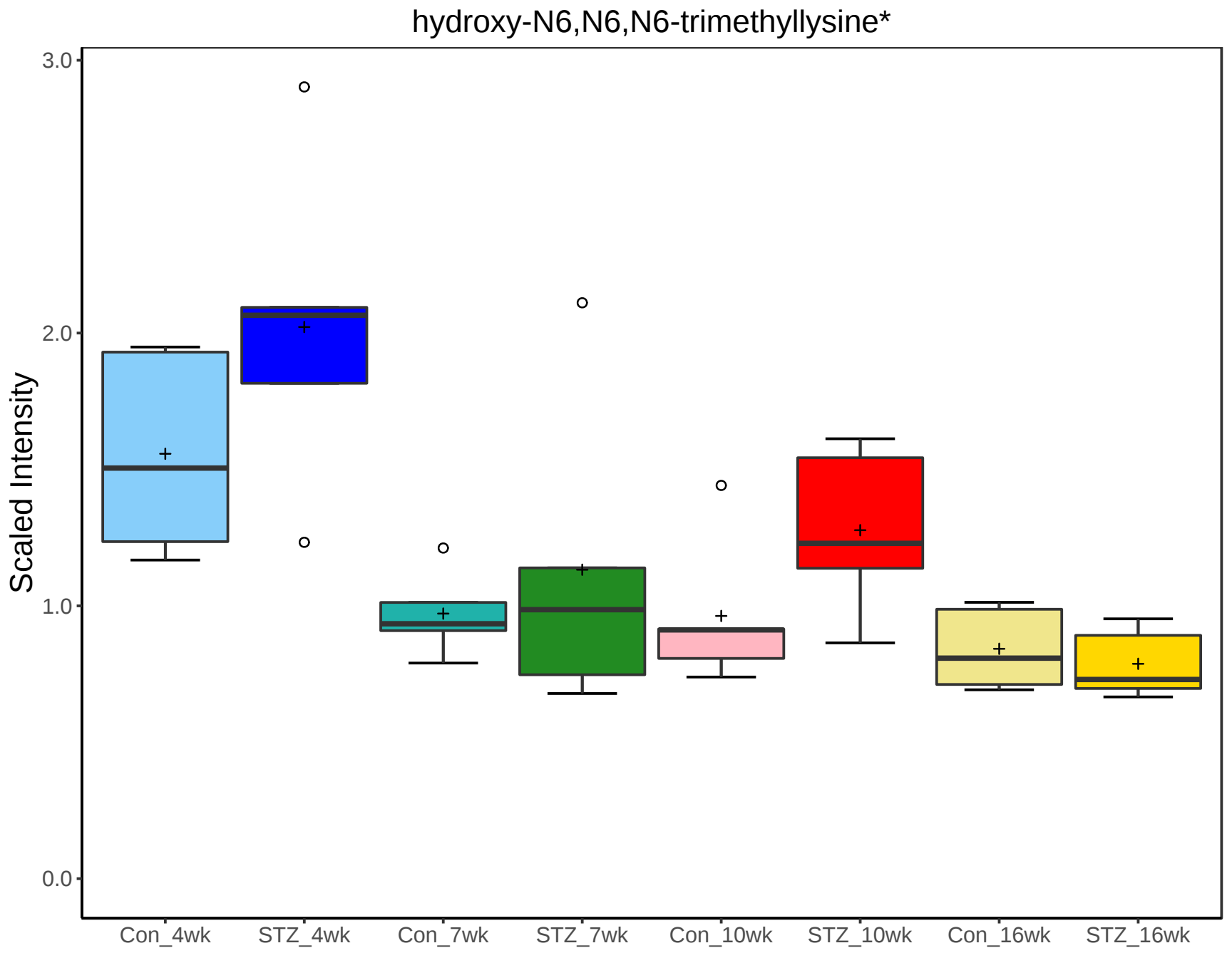

N2-acetyl,N6,N6-dimethyllysine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

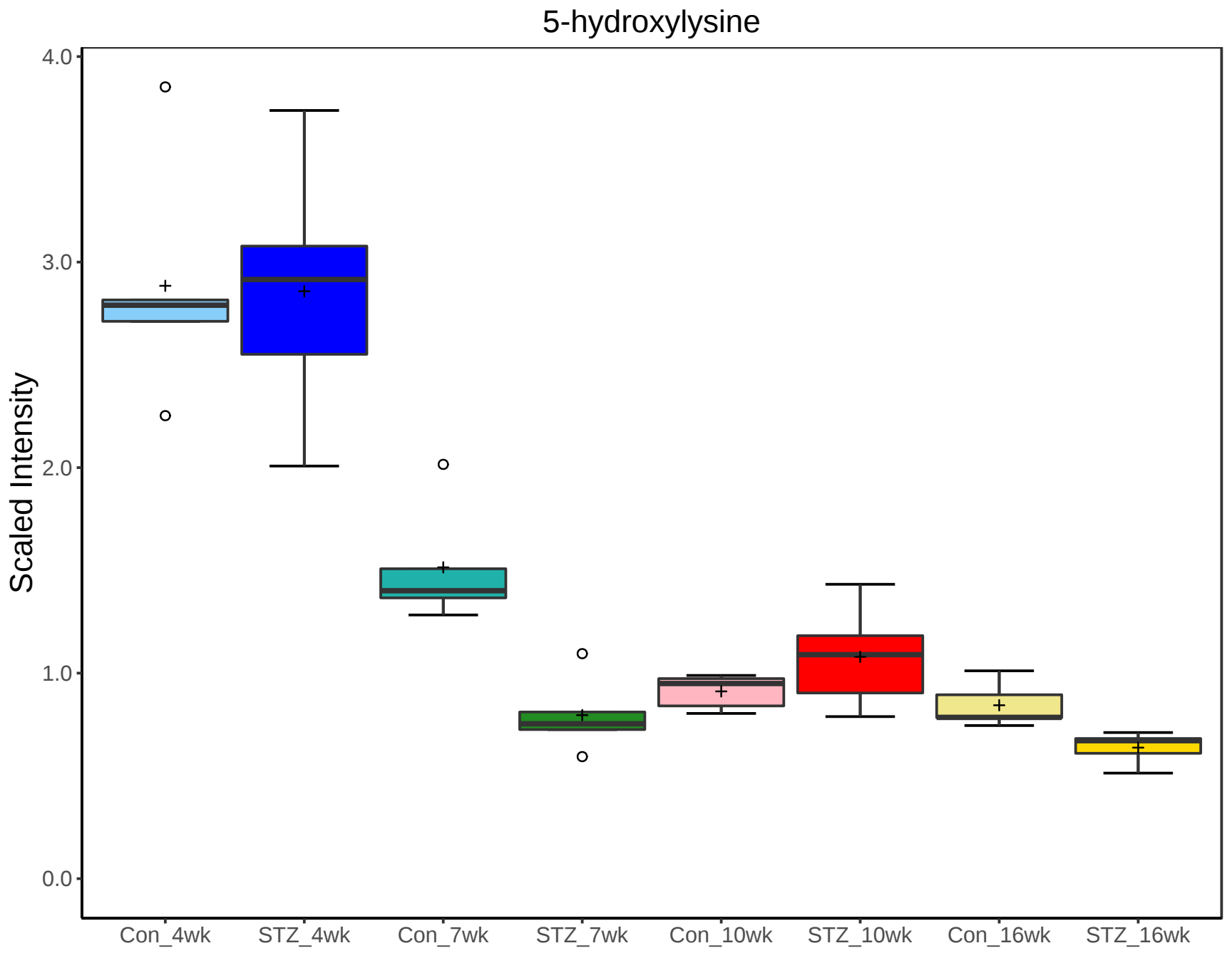

N2,N6-diacetyllysine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

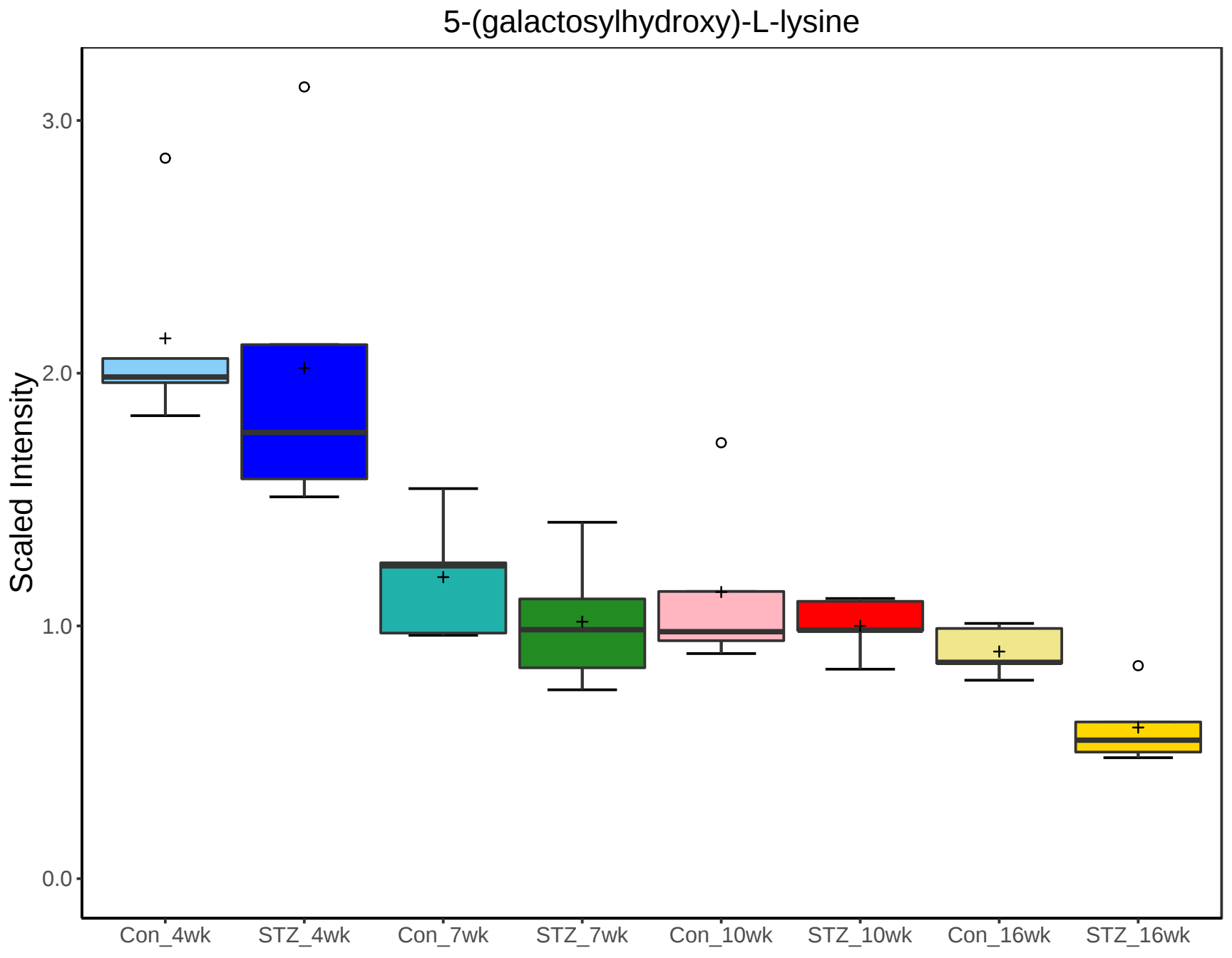

N6-methyllysine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

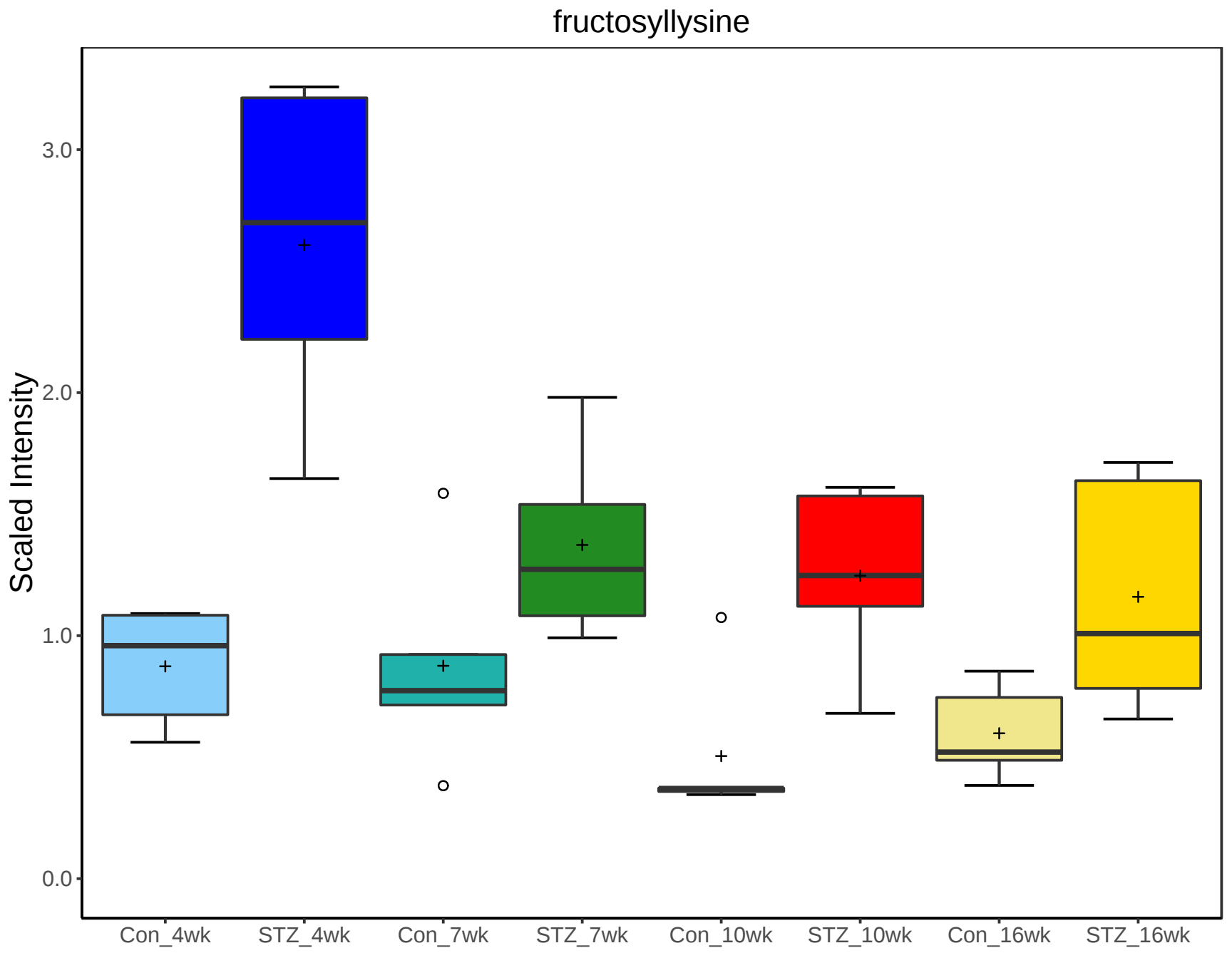

N6,N6-dimethyllysine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

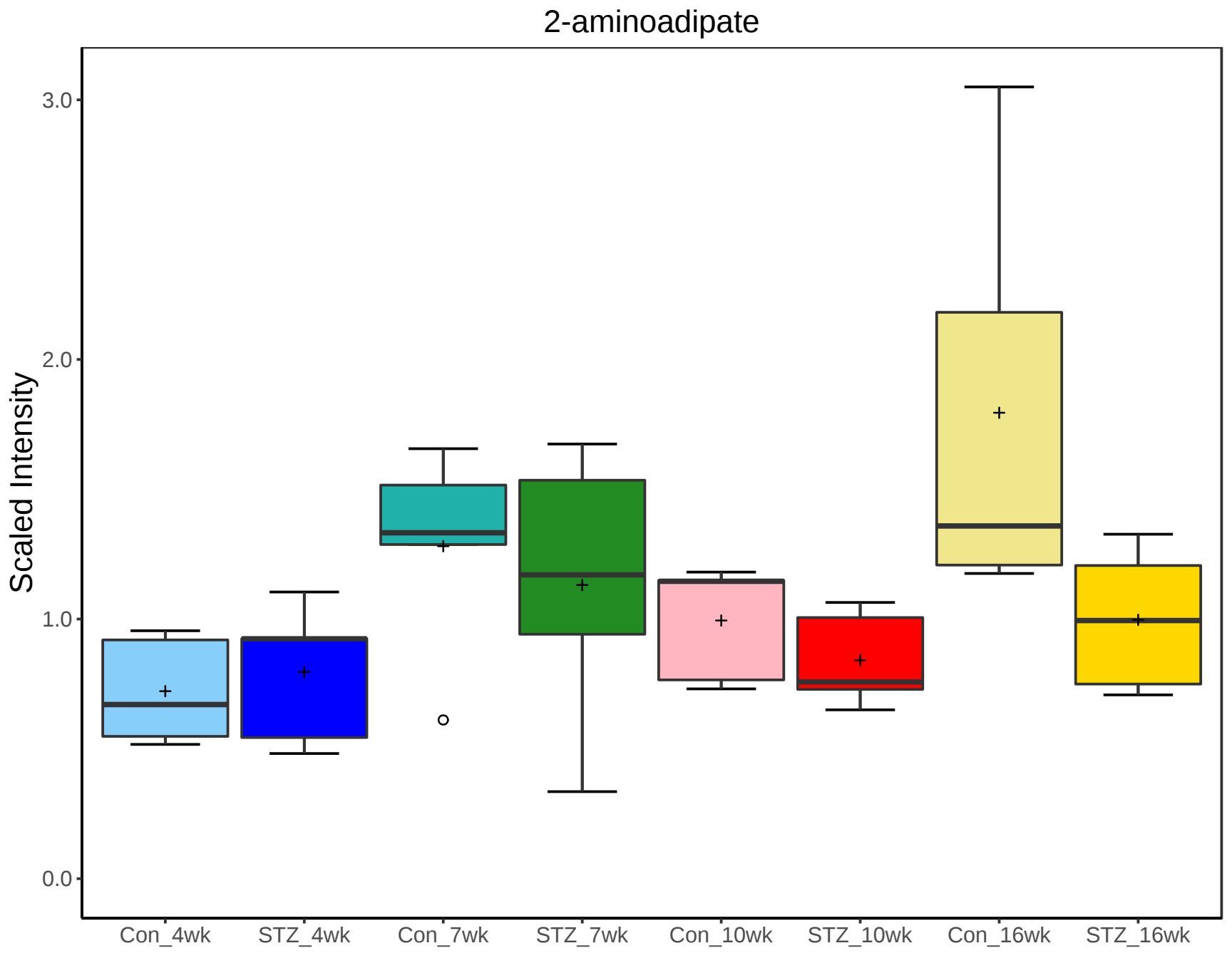

N6,N6,N6-trimethyllysine
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

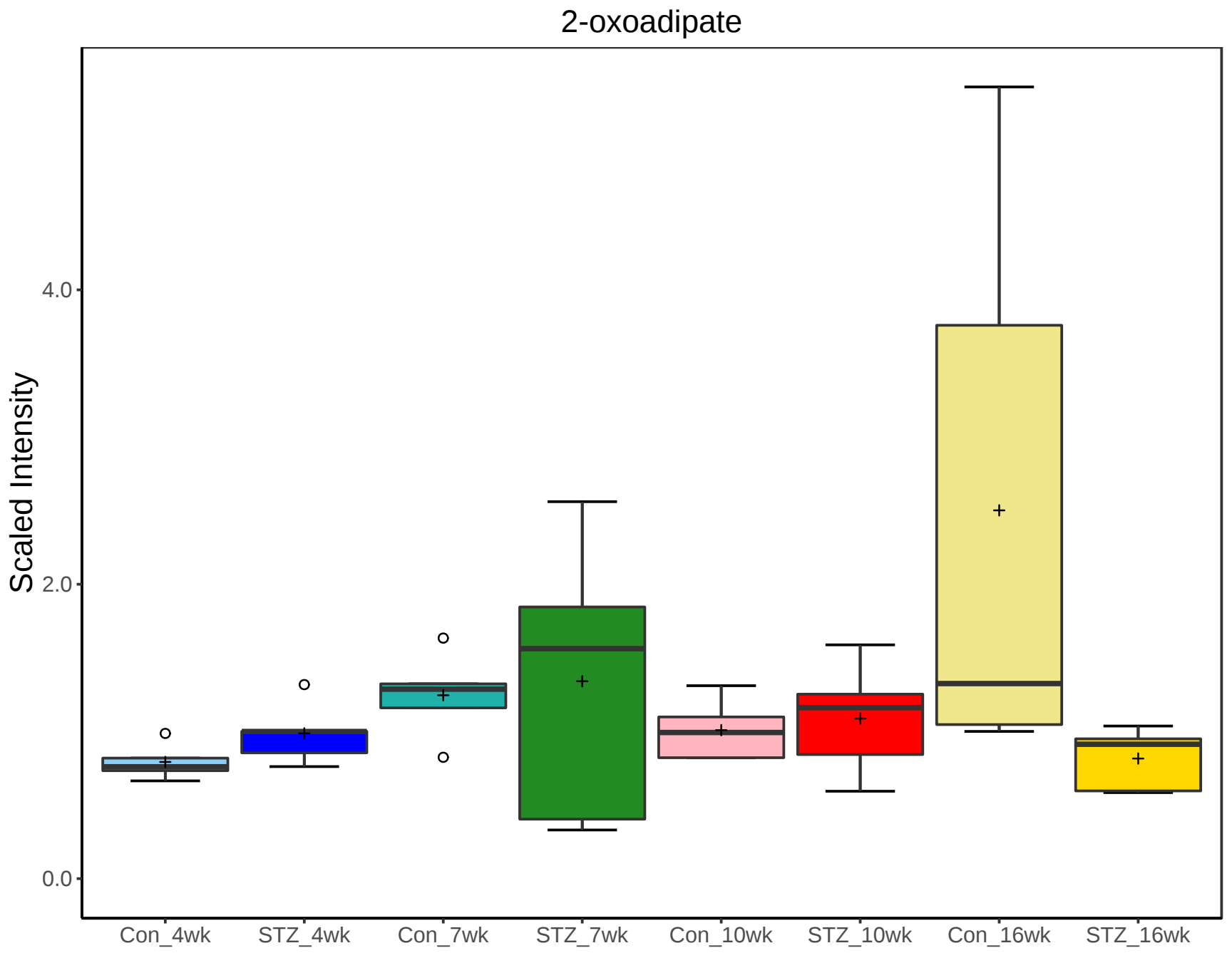

hydroxy-N6,N6,N6-trimethyllysine*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

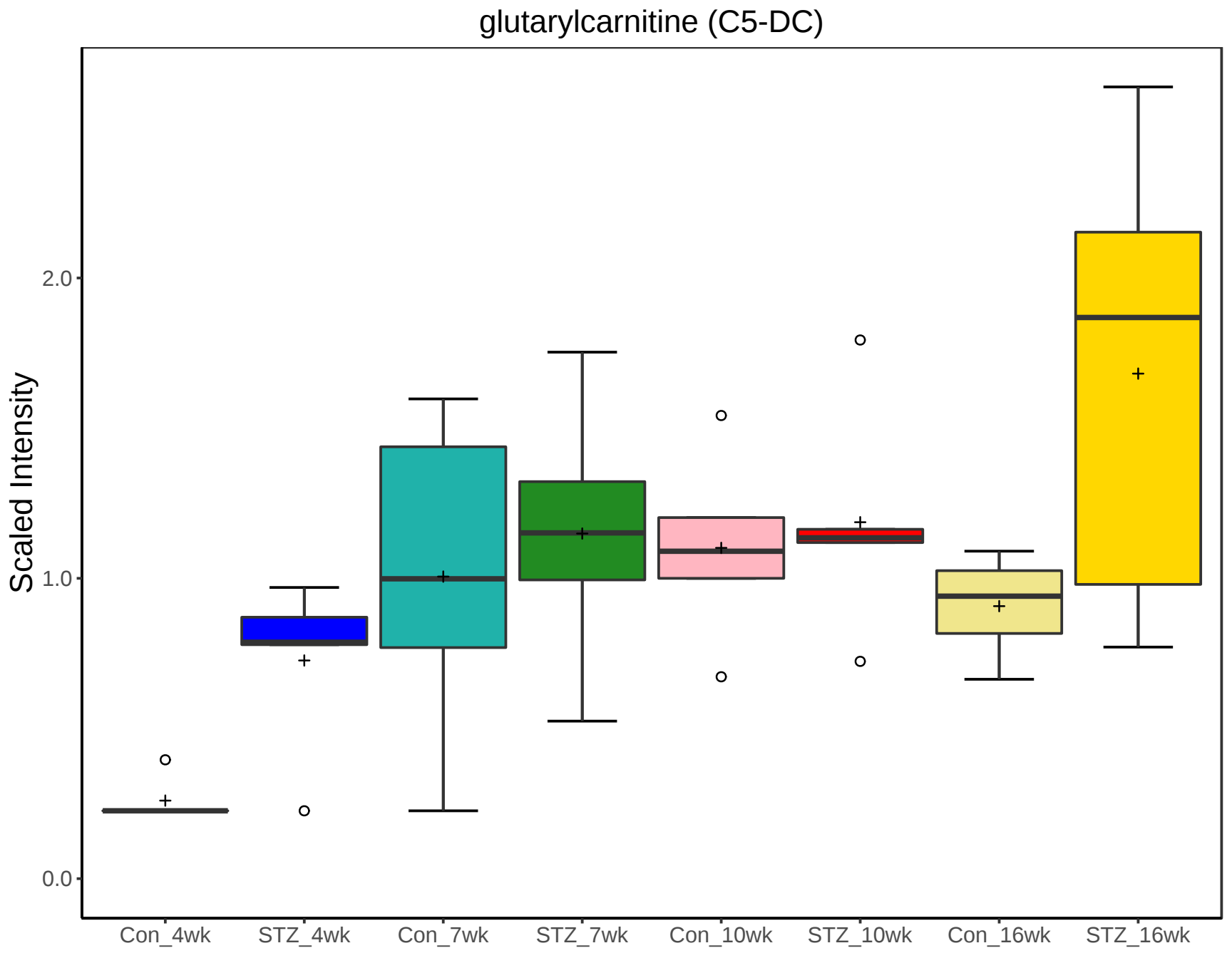

5-hydroxylysine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

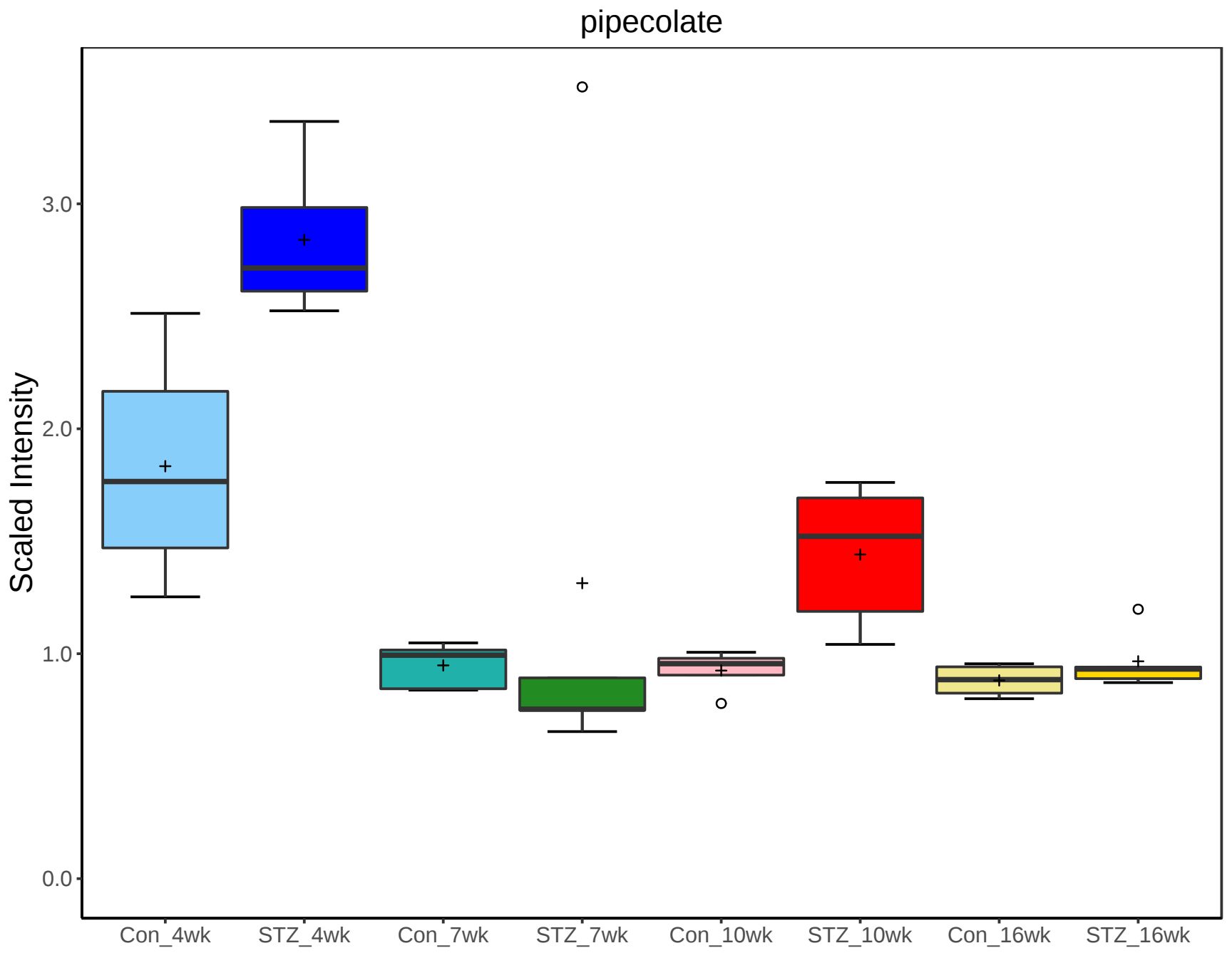

5-(galactosylhydroxy)-L-lysine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

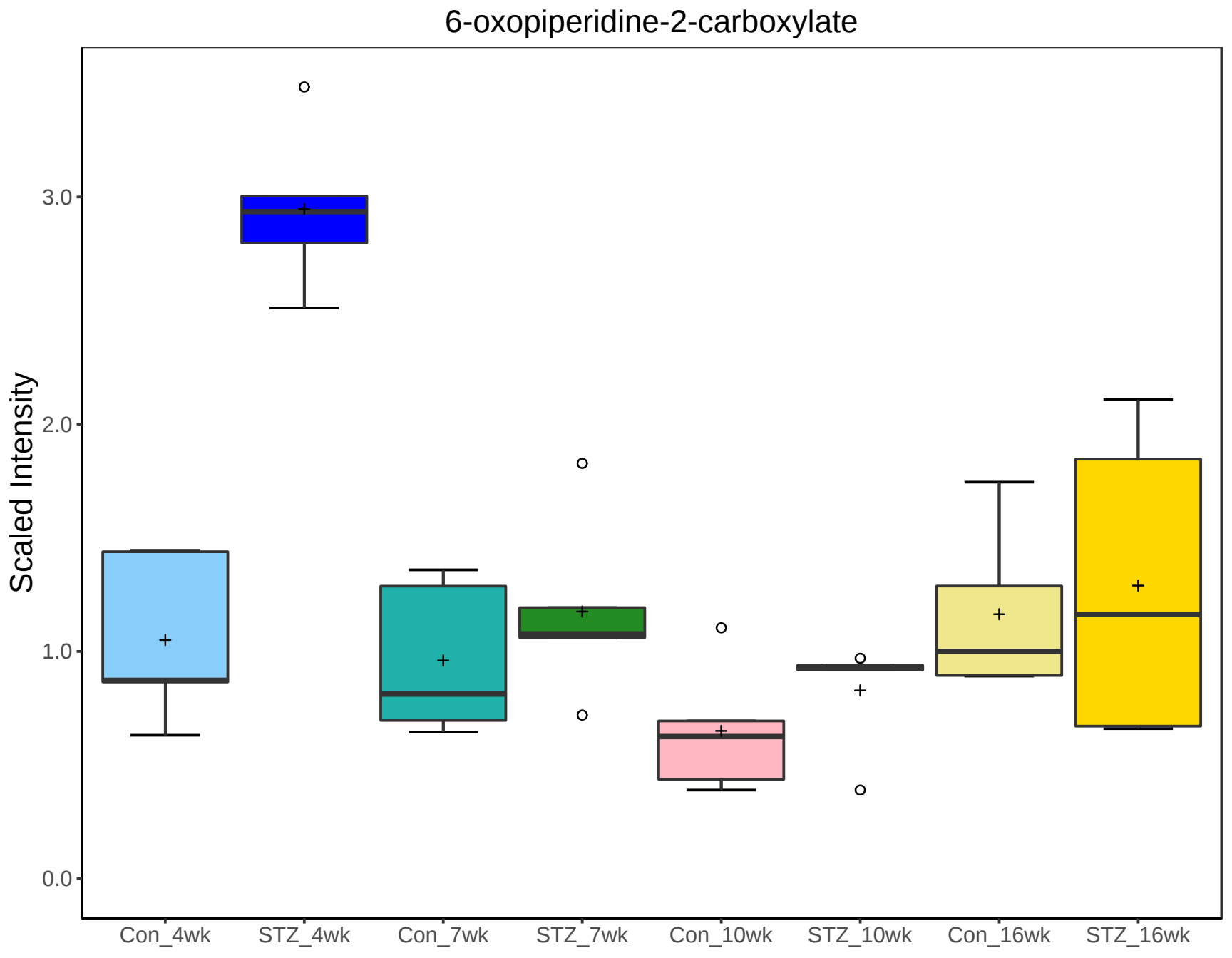

fructosyllysine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

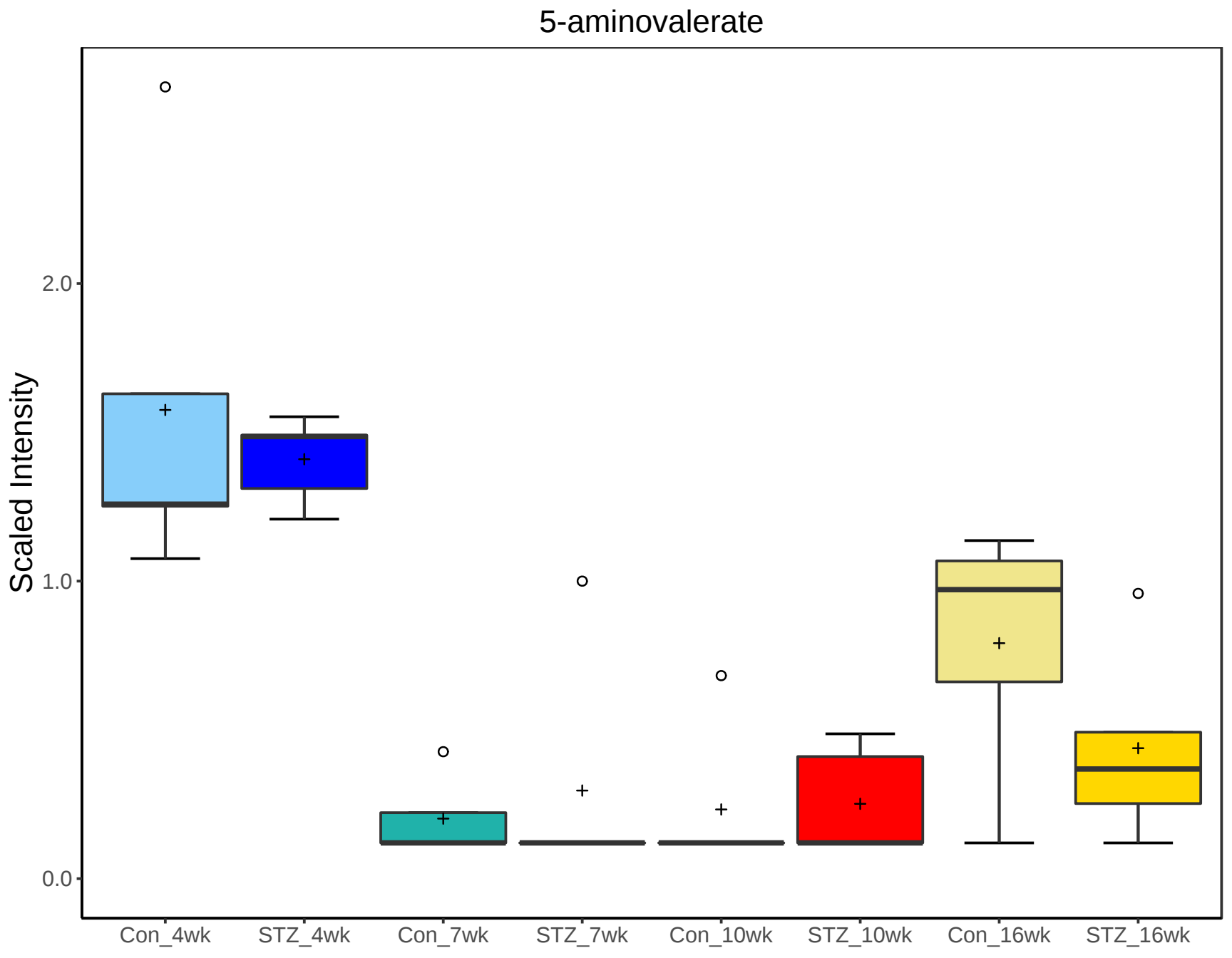

2-aminoadipate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

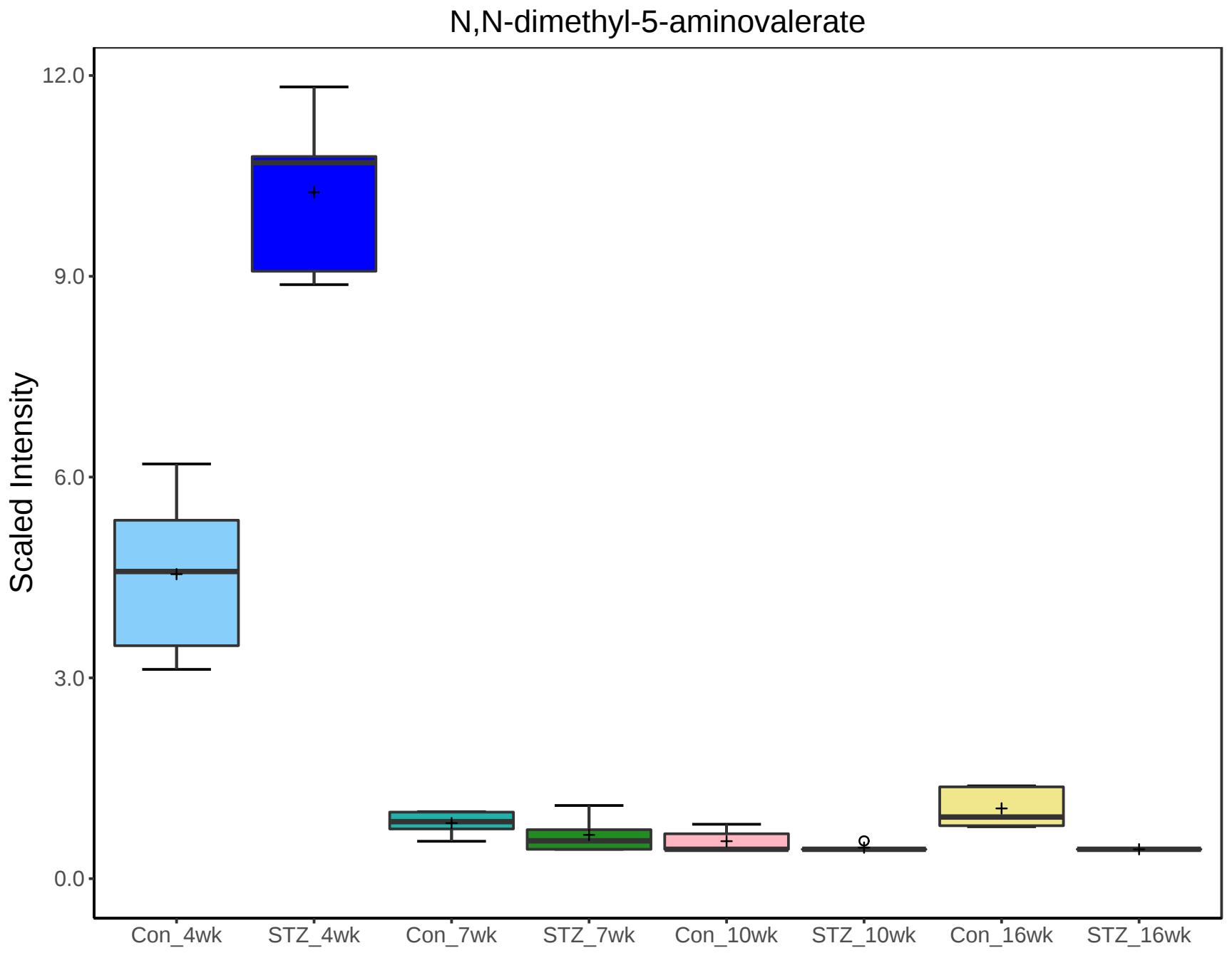

2-oxoadipate
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

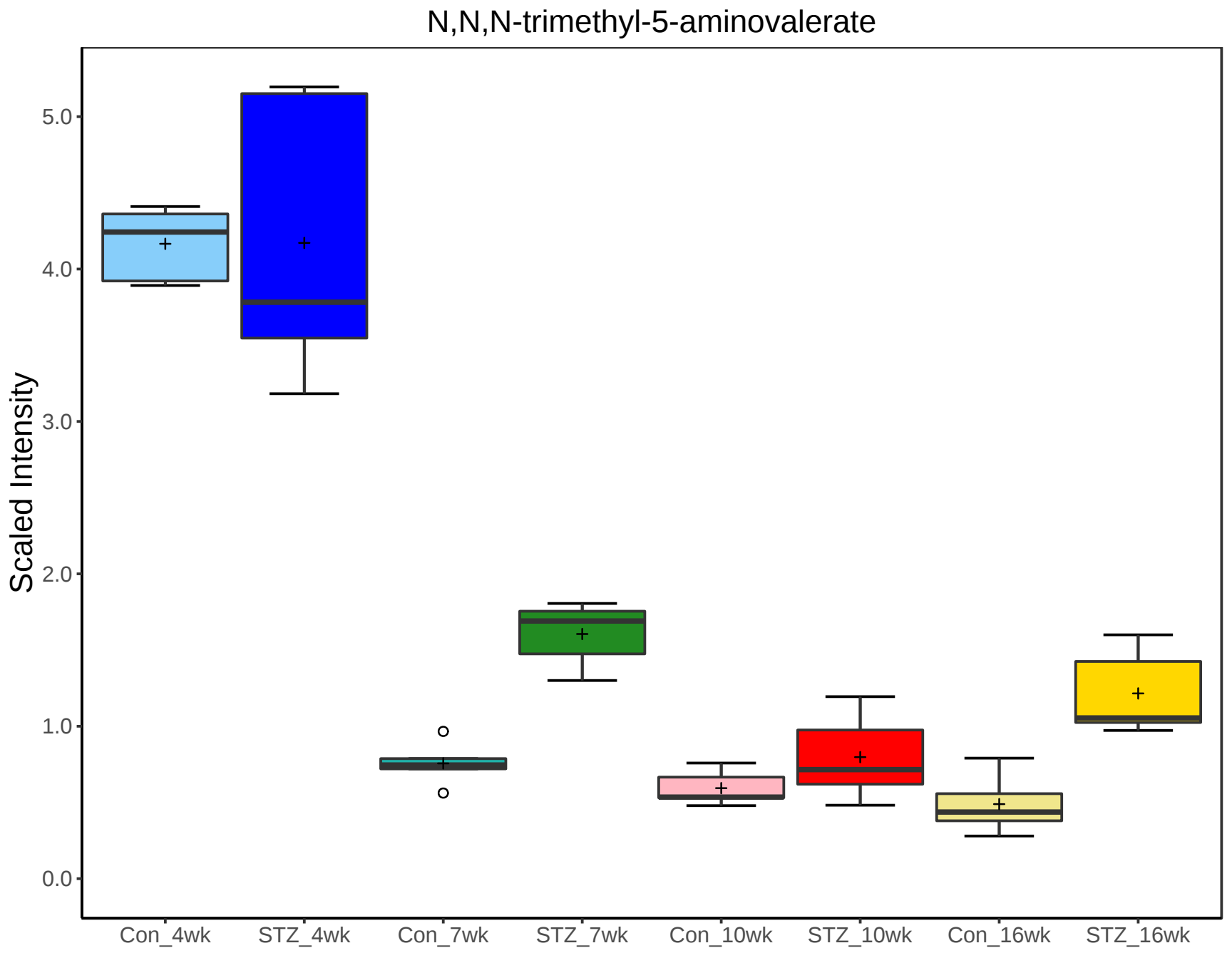

glutarylcarnitine (C5-DC)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

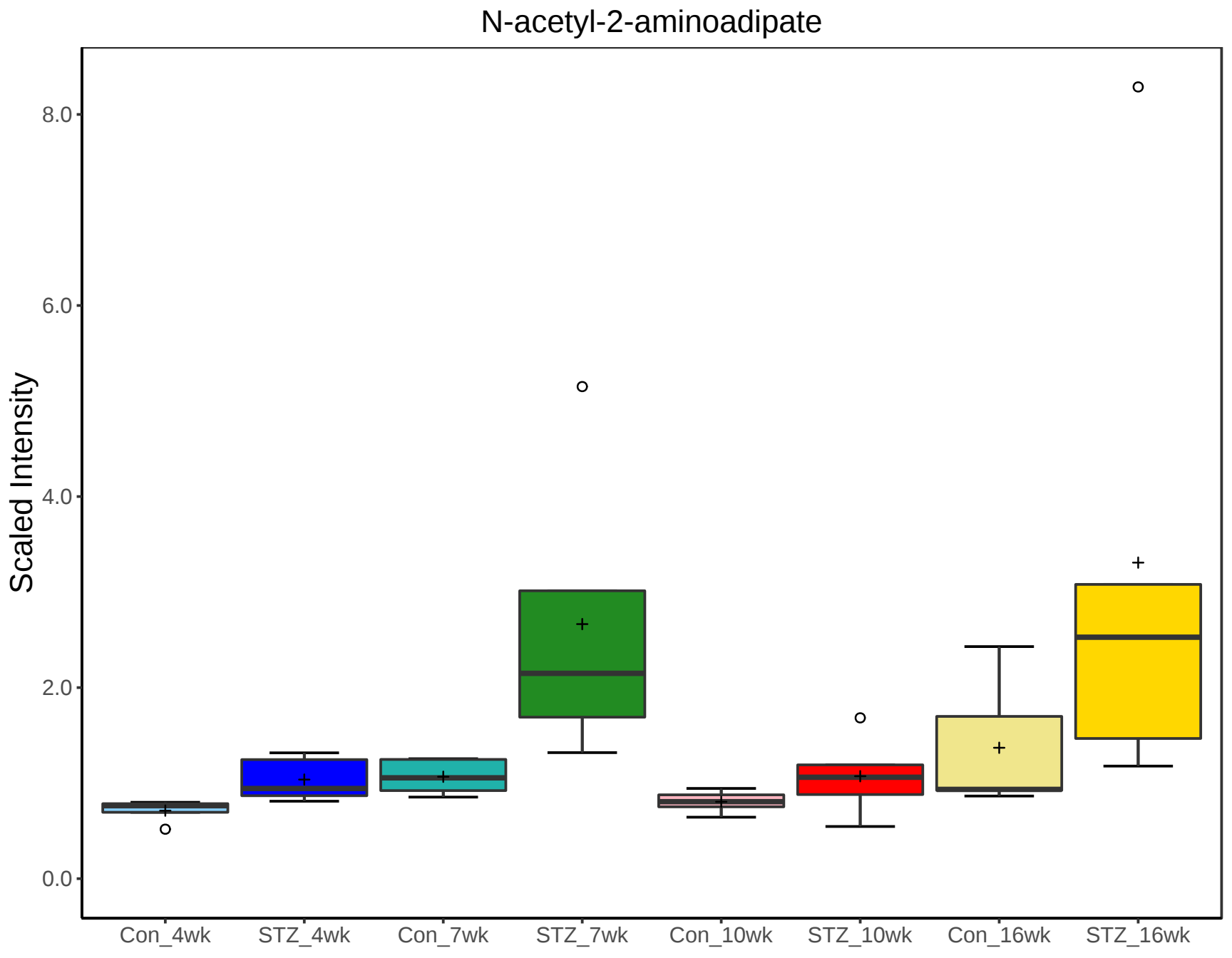

pipecolate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

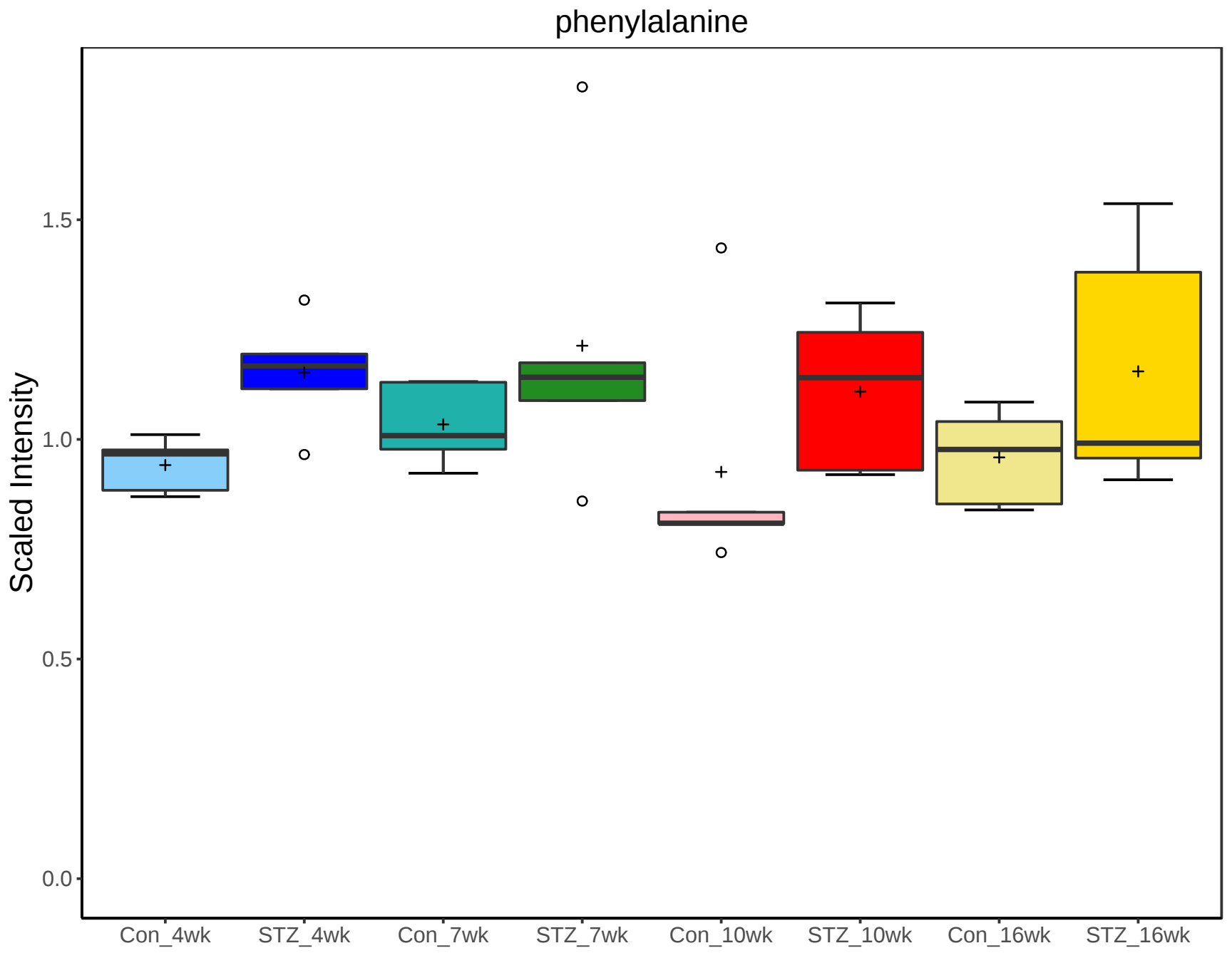

6-oxopiperidine-2-carboxylate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

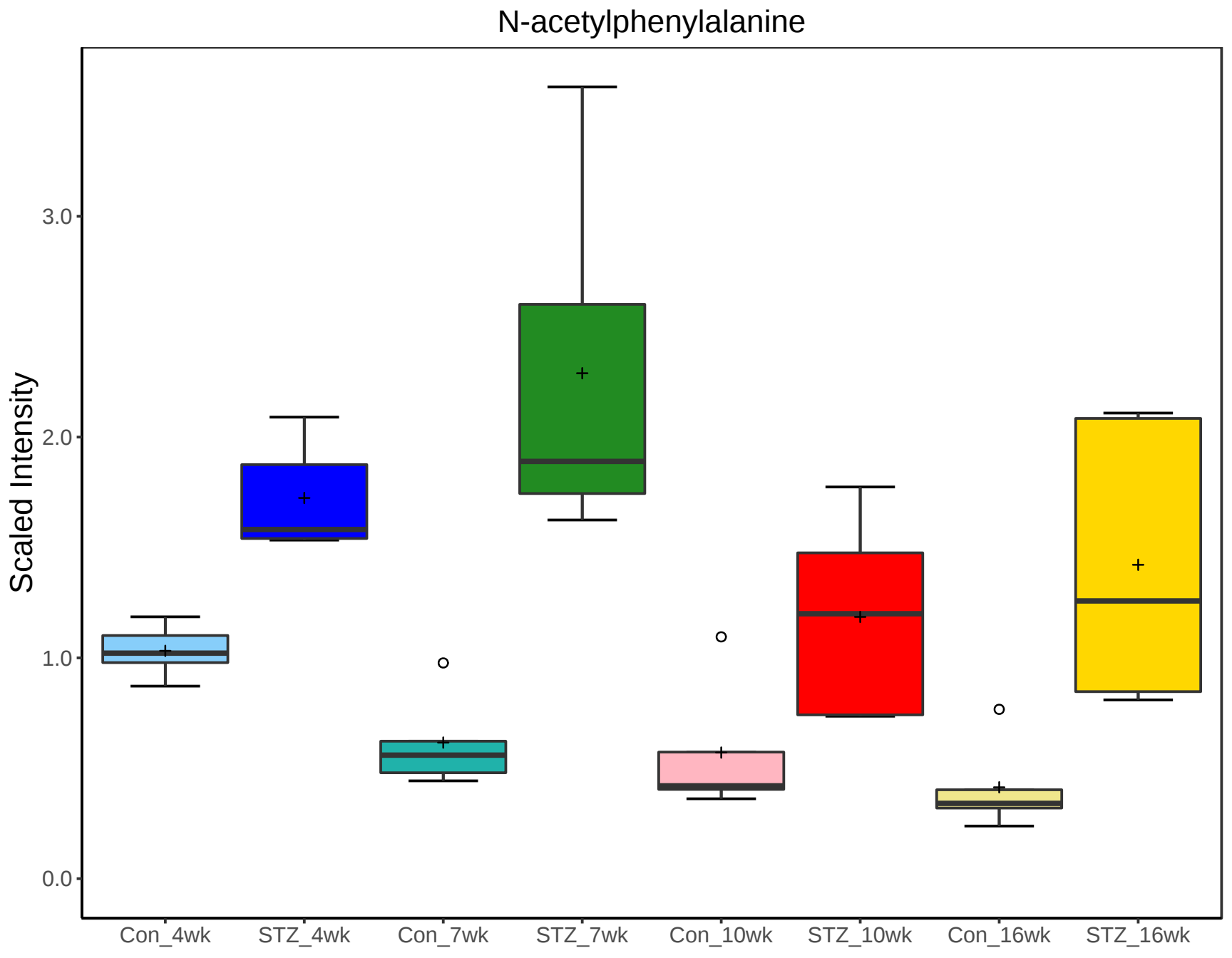

5-aminovalerate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

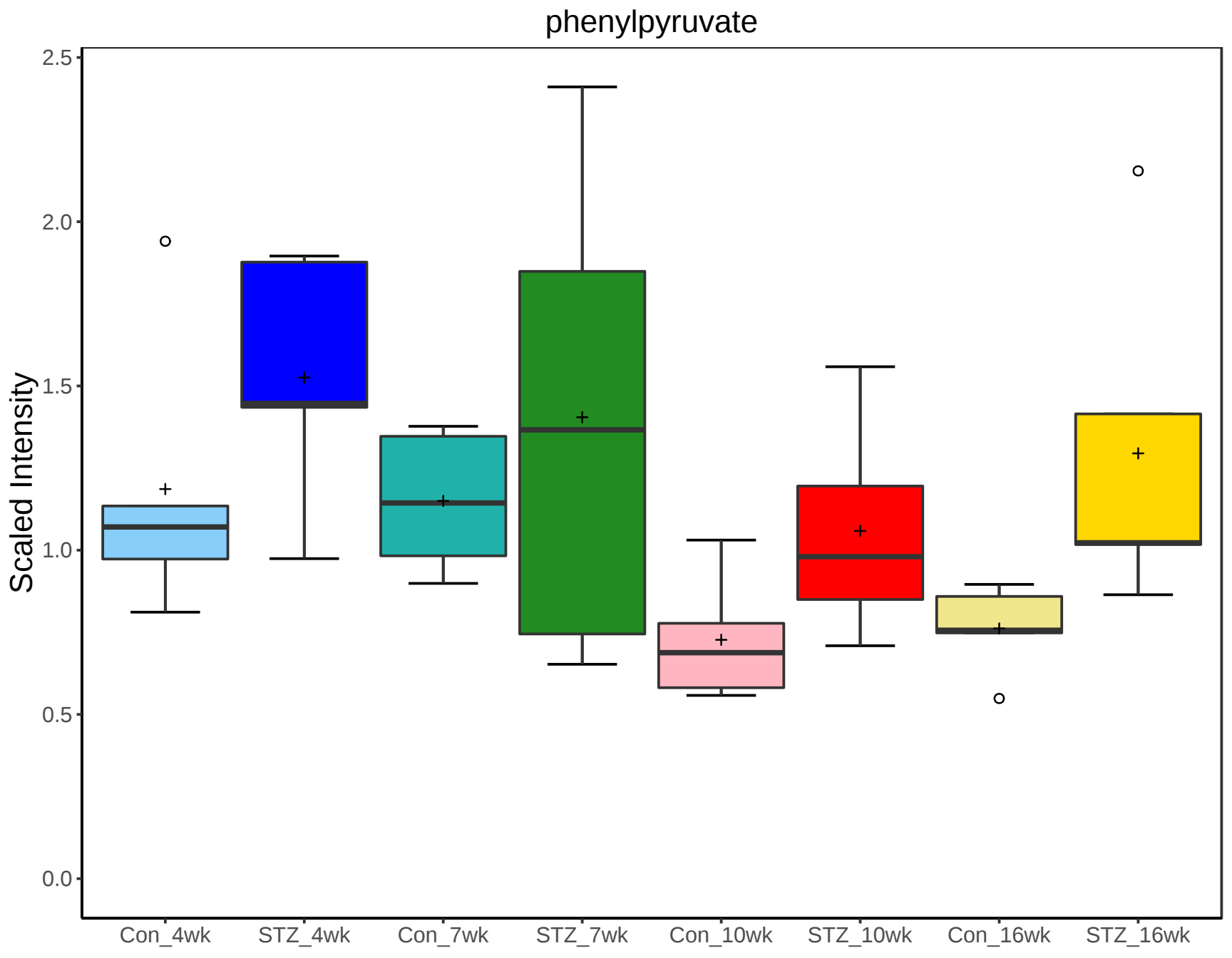

N,N-dimethyl-5-aminovalerate
Scaled Intensity
12.0
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

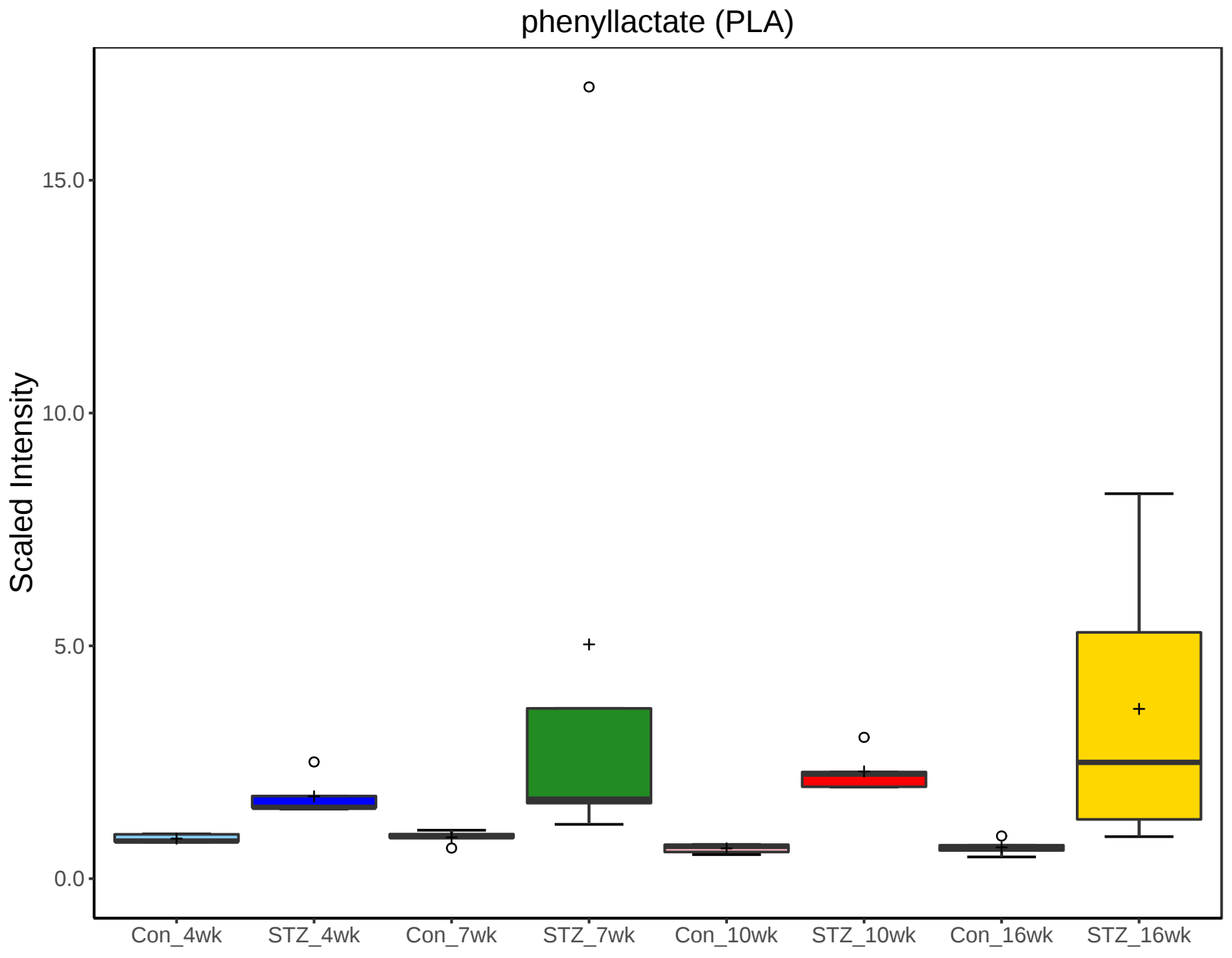

N,N,N-trimethyl-5-aminovalerate
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

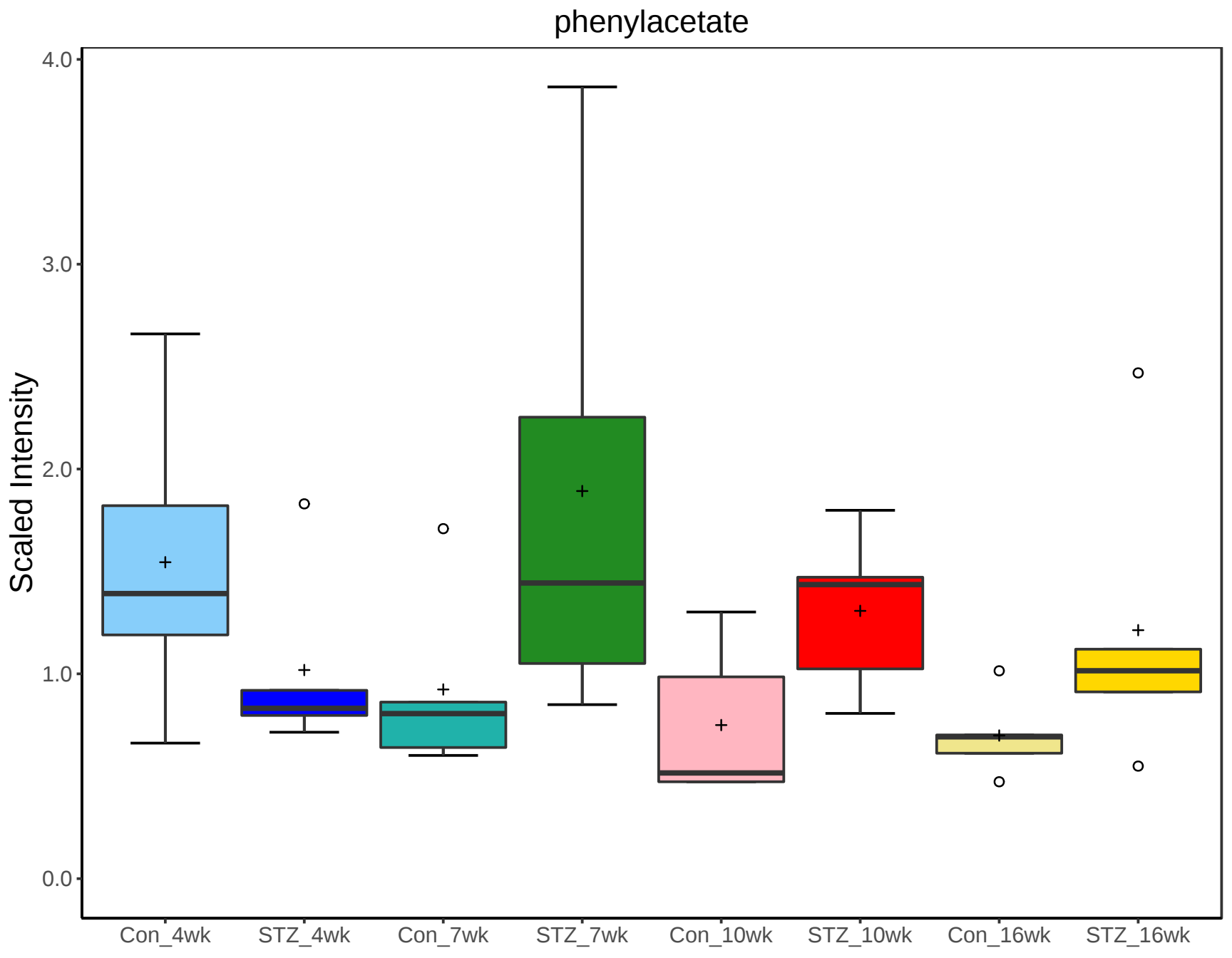

N-acetyl-2-aminoadipate
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

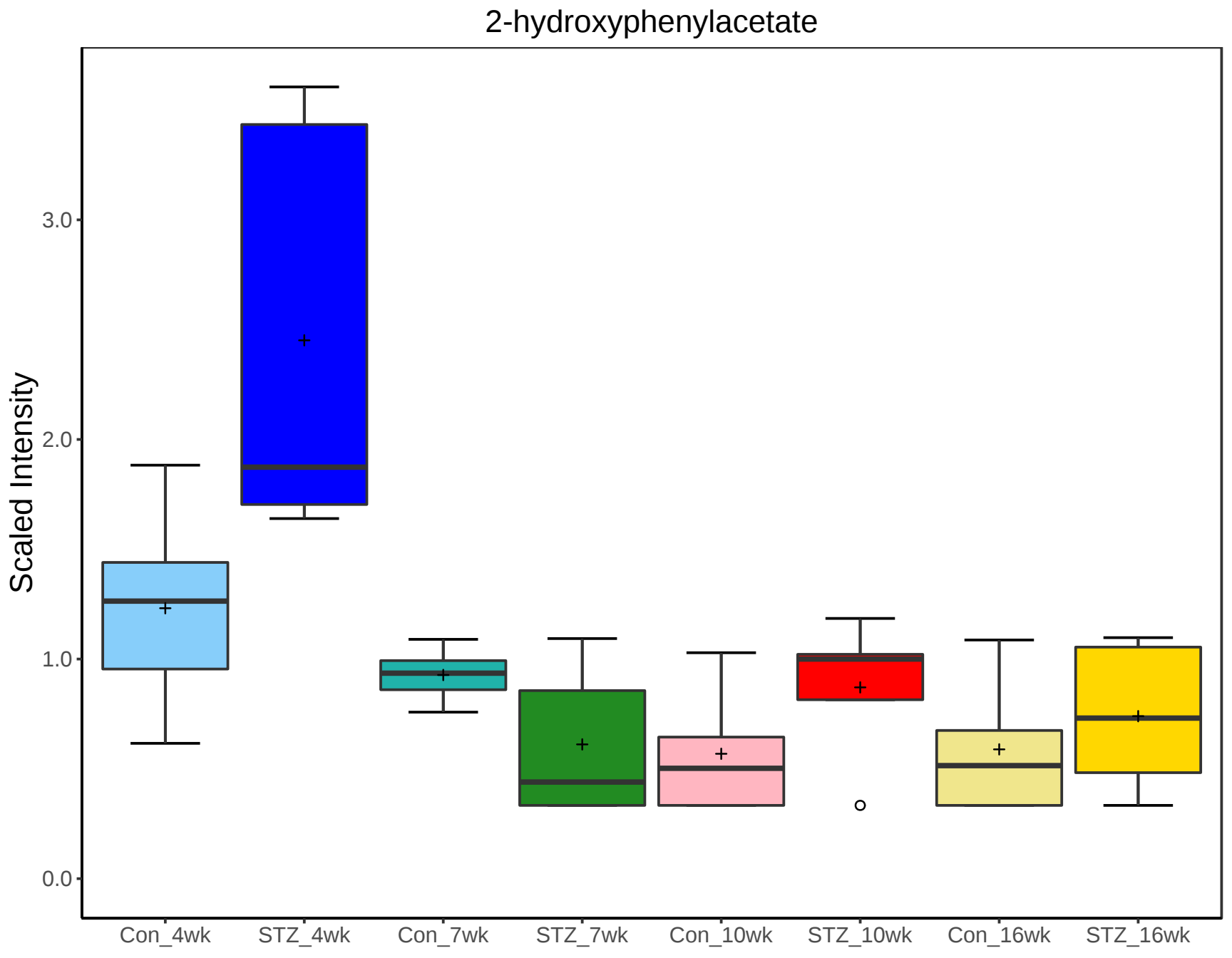

phenylalanine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

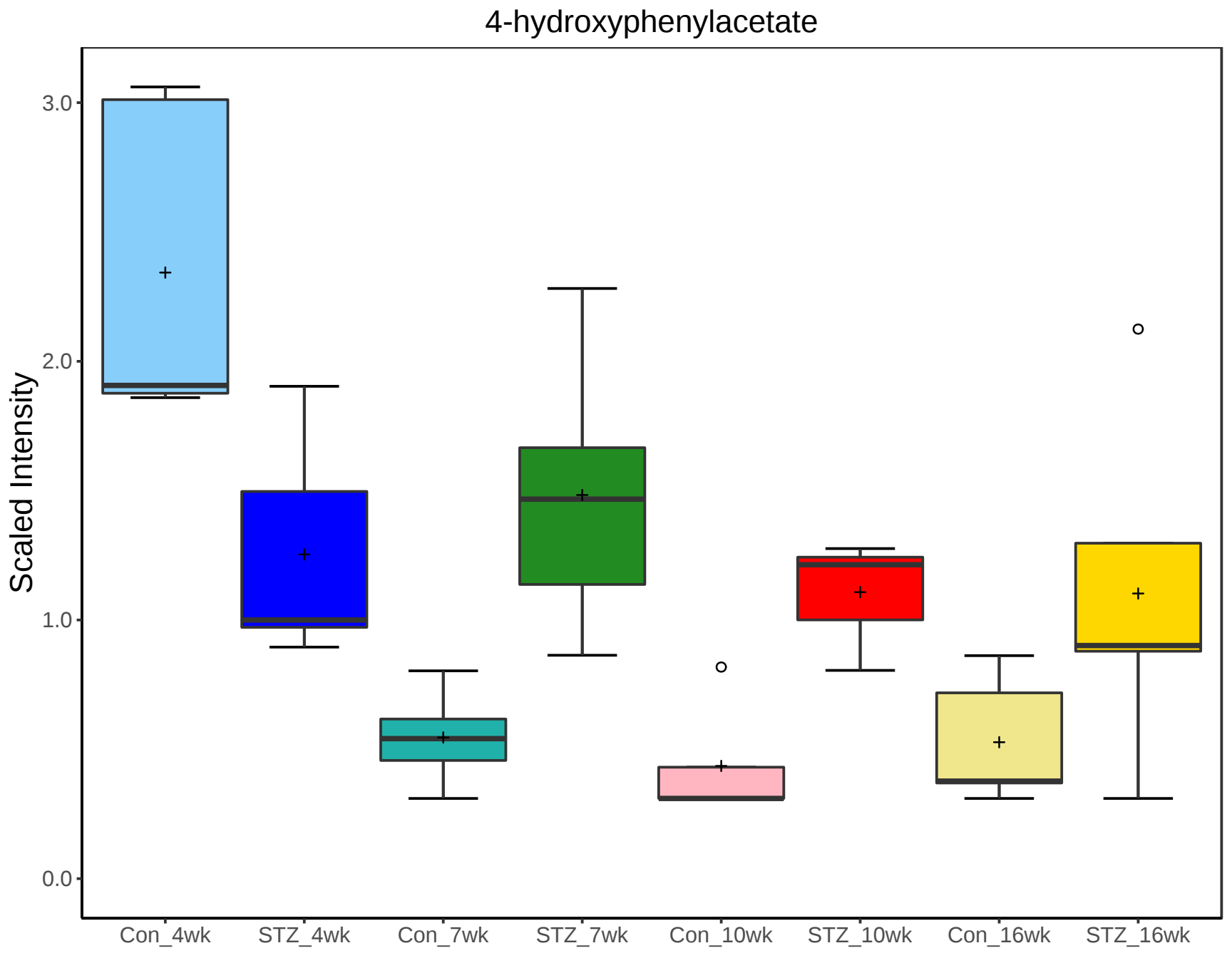

N-acetylphenylalanine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

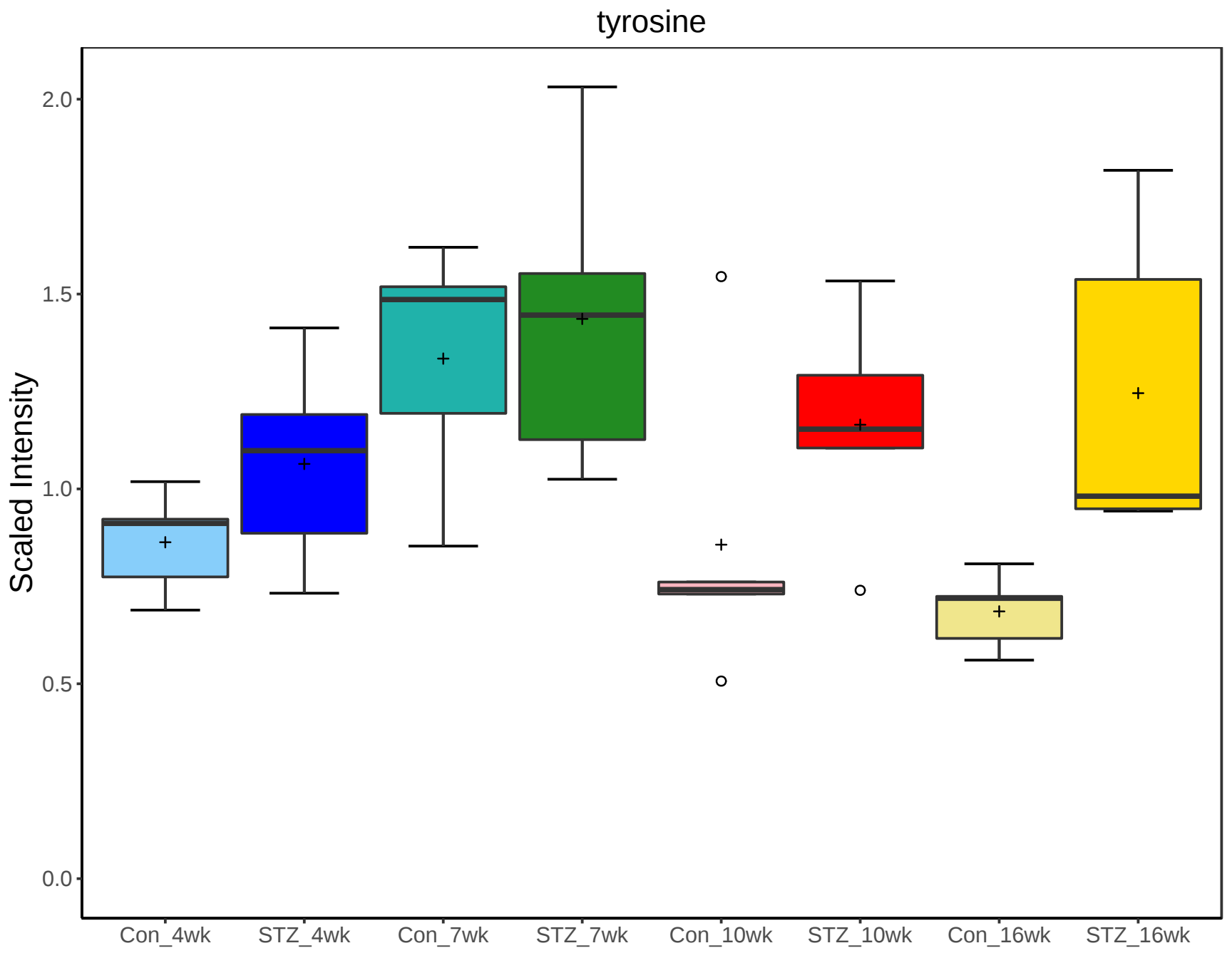

phenylpyruvate
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

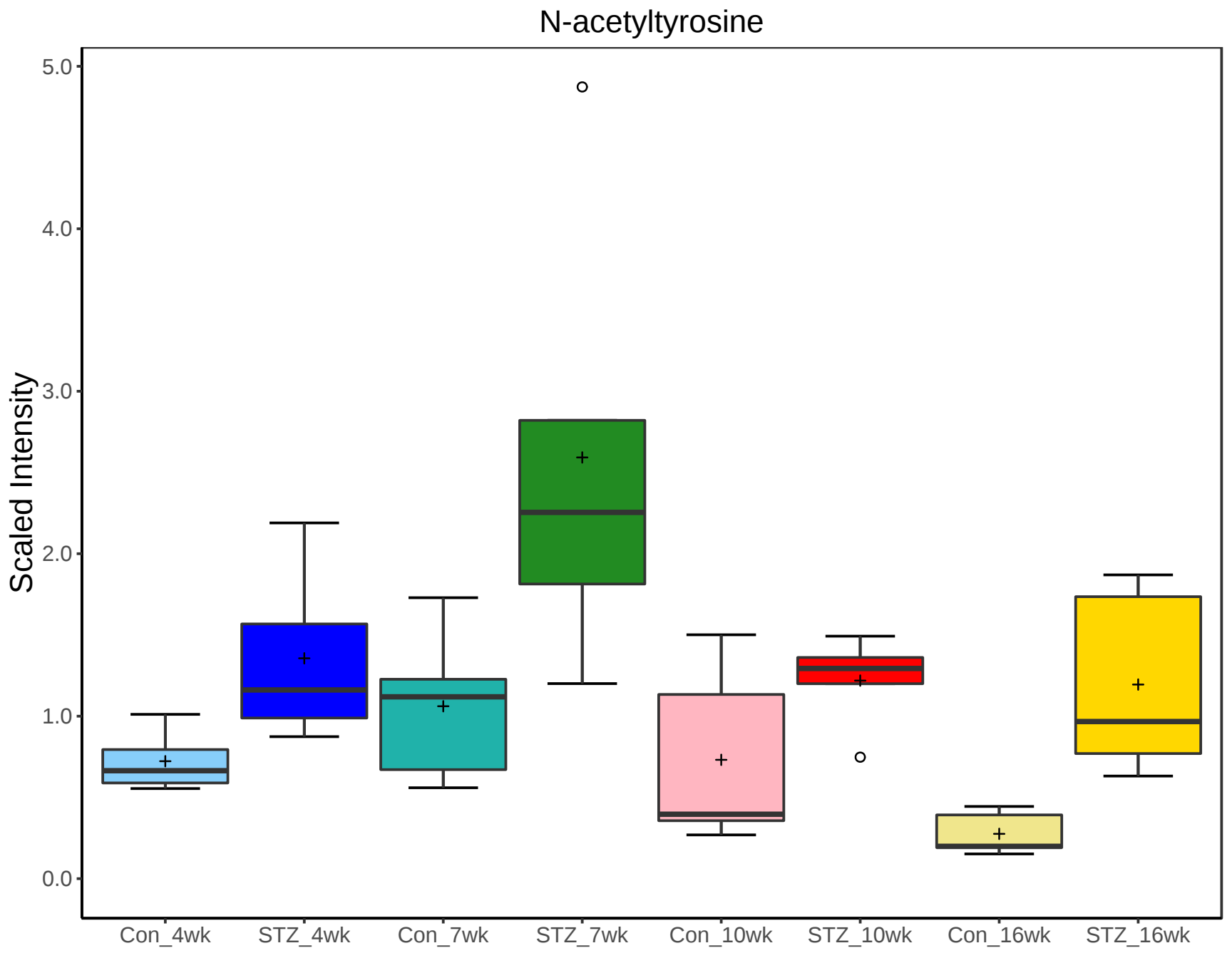

phenyllactate (PLA)
Scaled Intensity
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

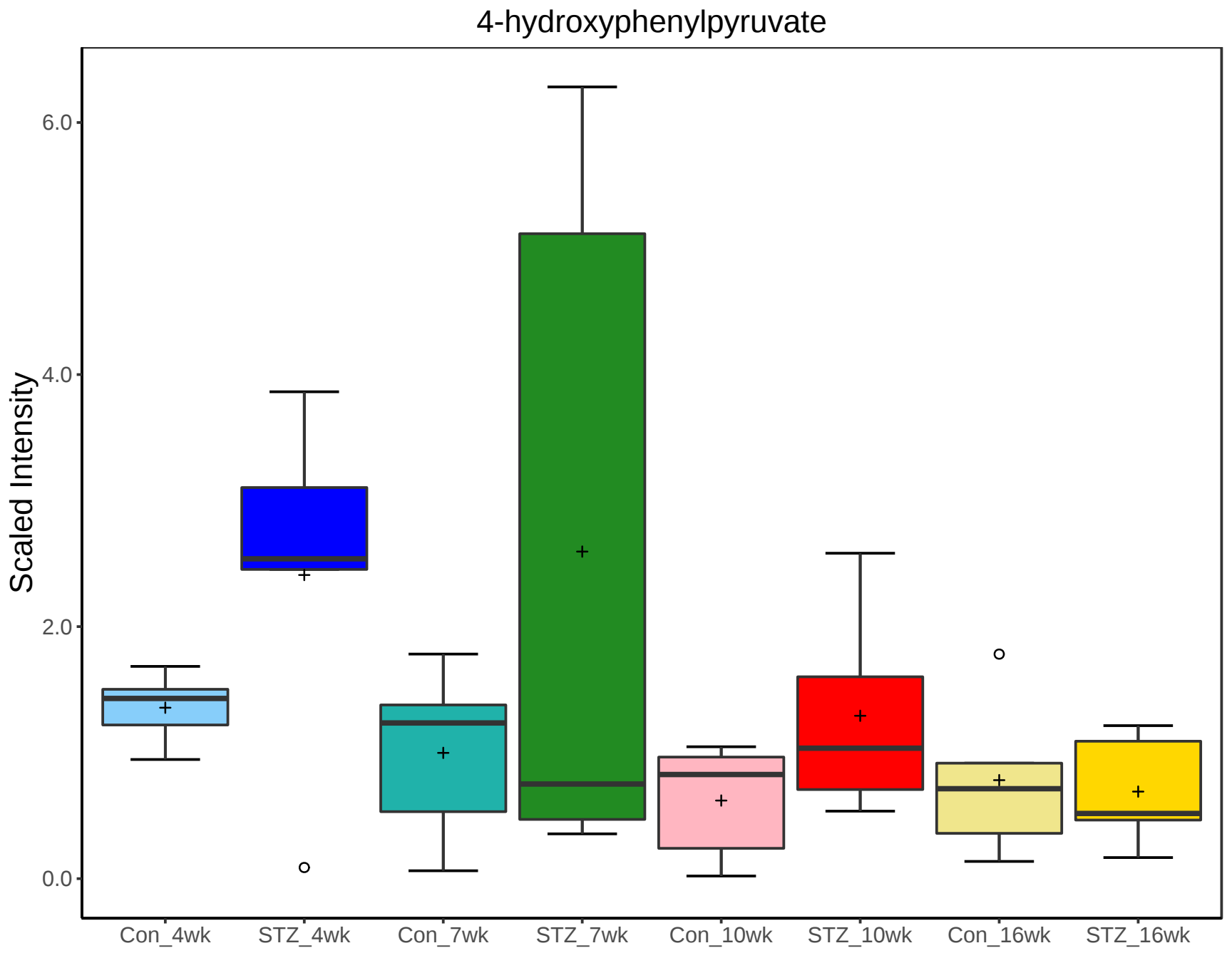

phenylacetate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

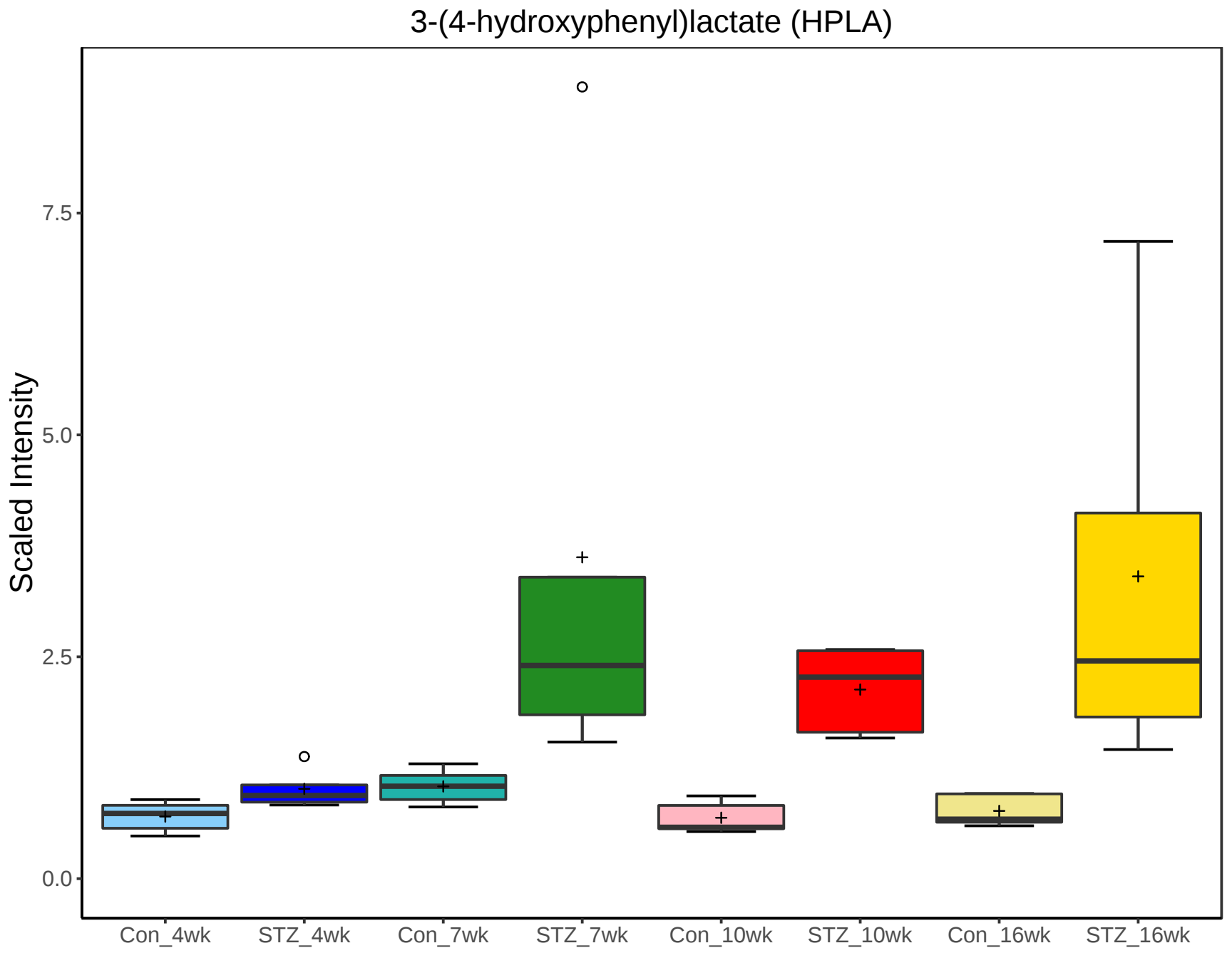

2-hydroxyphenylacetate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

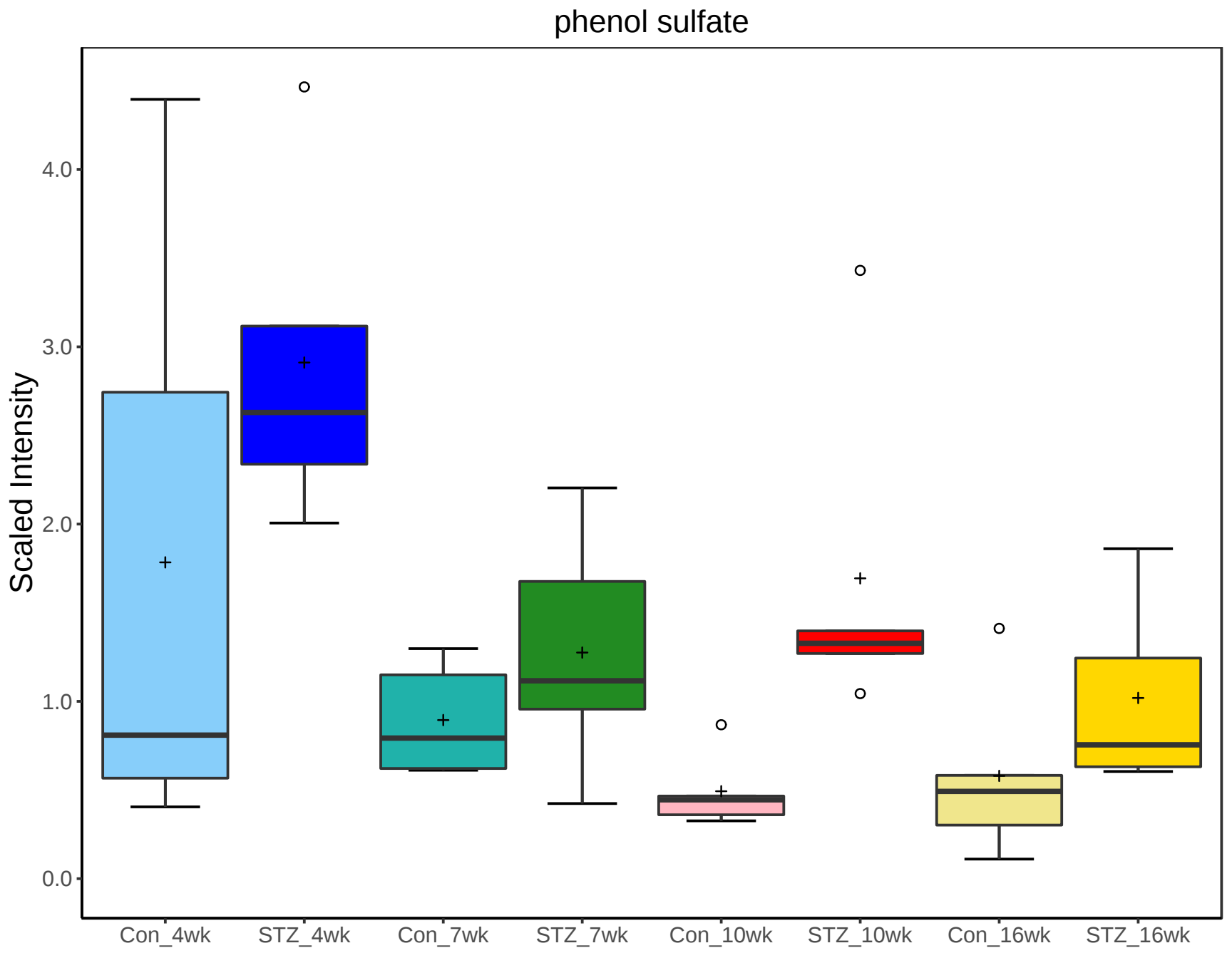

4-hydroxyphenylacetate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

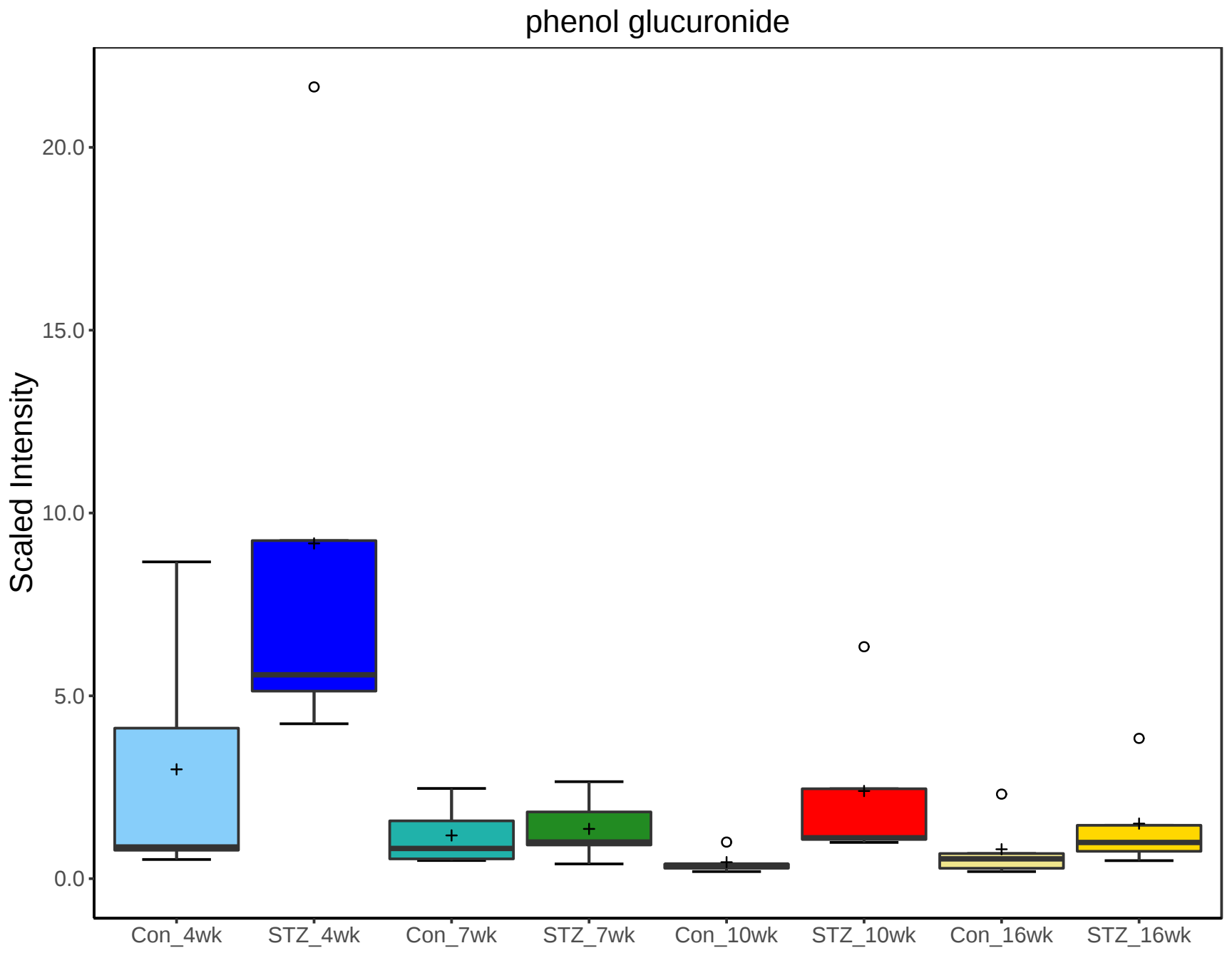

tyrosine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

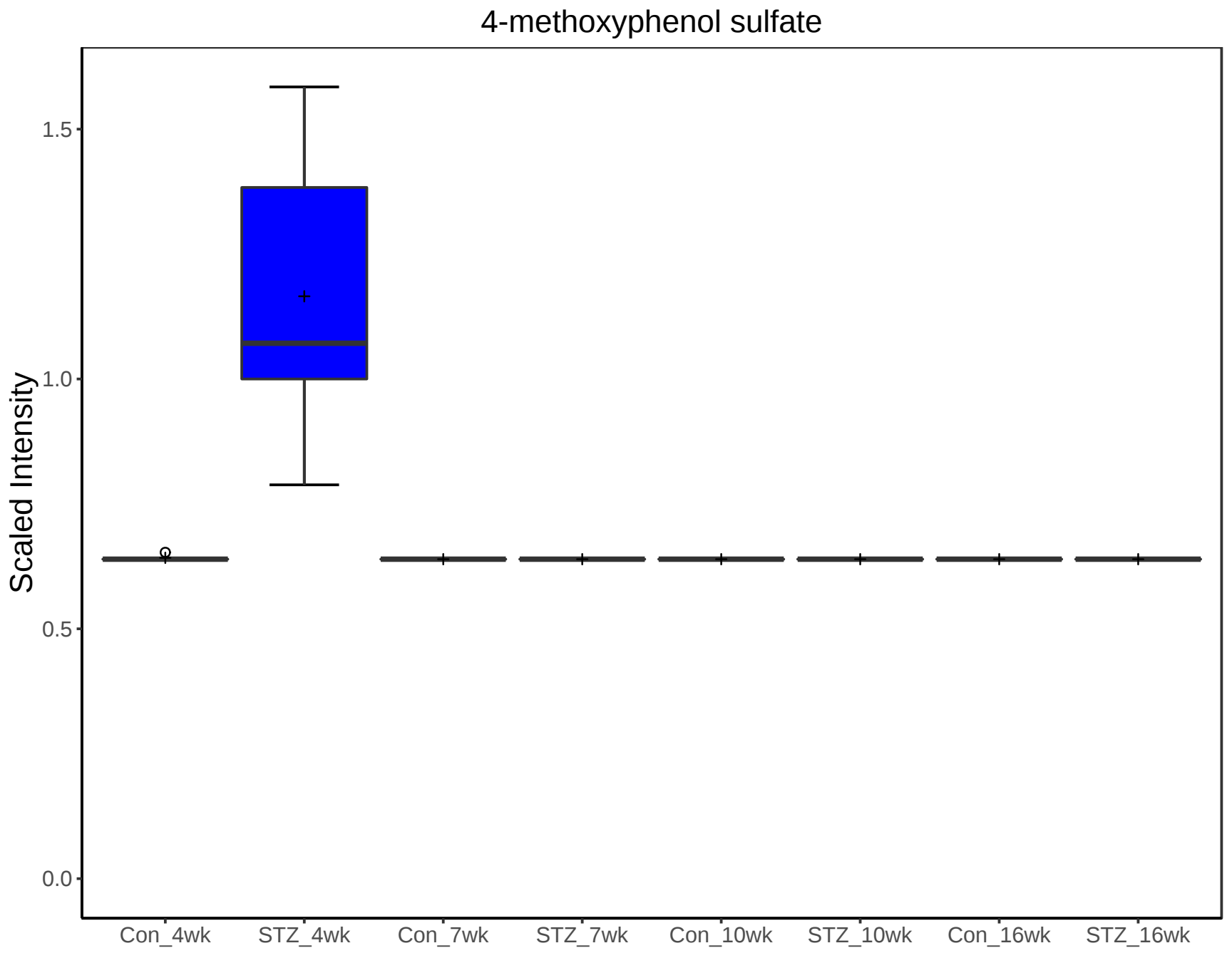

N-acetyltyrosine
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

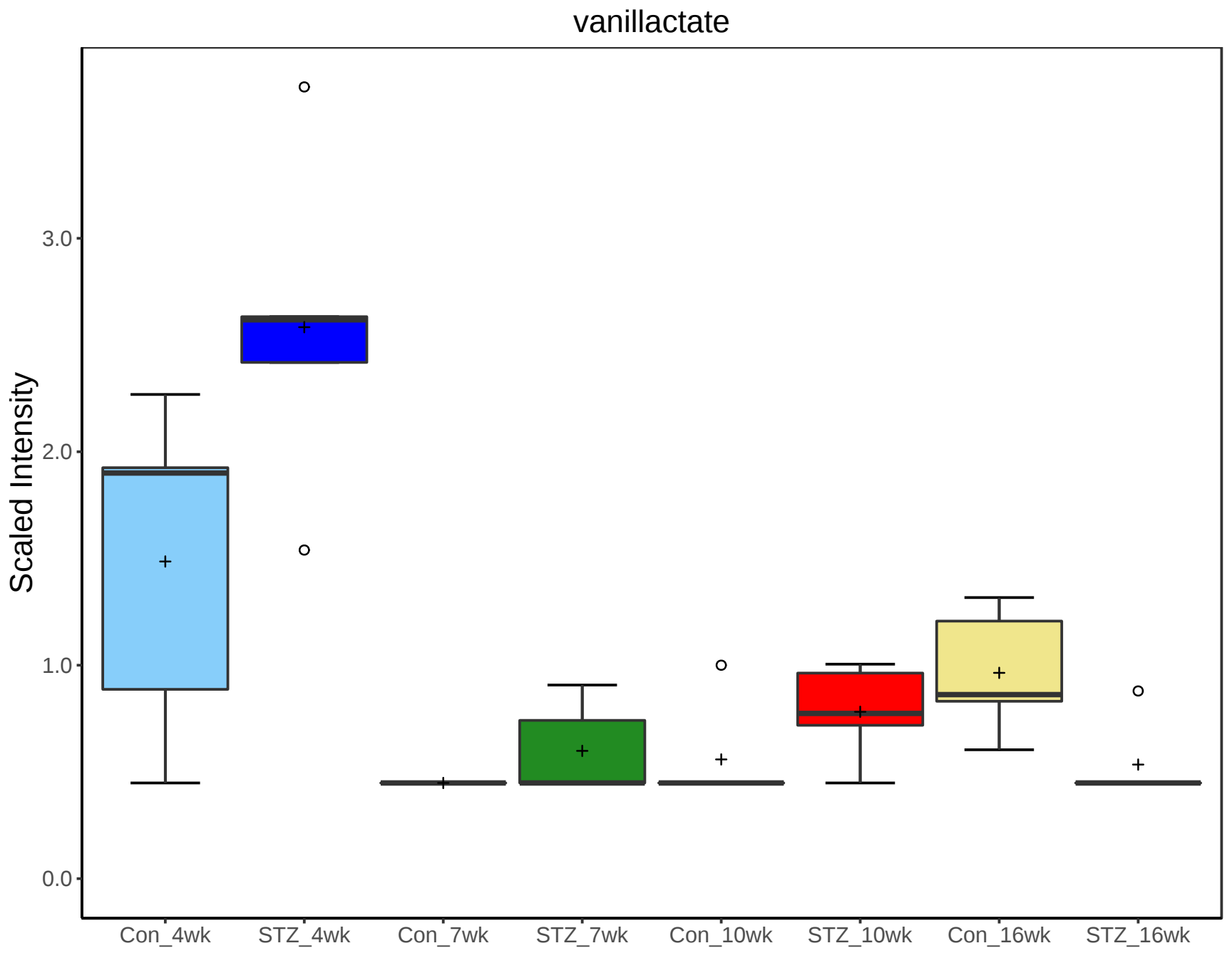

4-hydroxyphenylpyruvate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

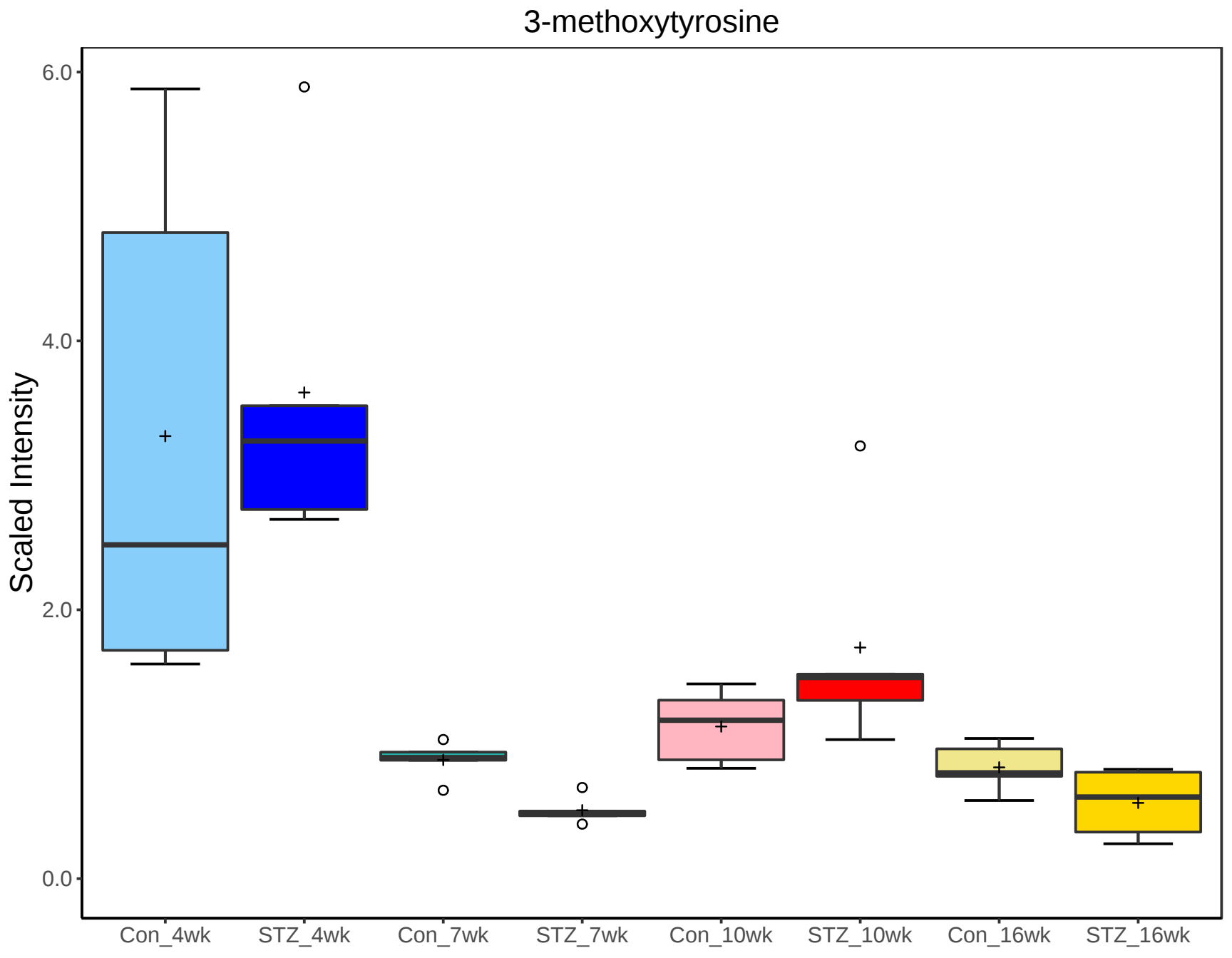

3-(4-hydroxyphenyl)lactate (HPLA)
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

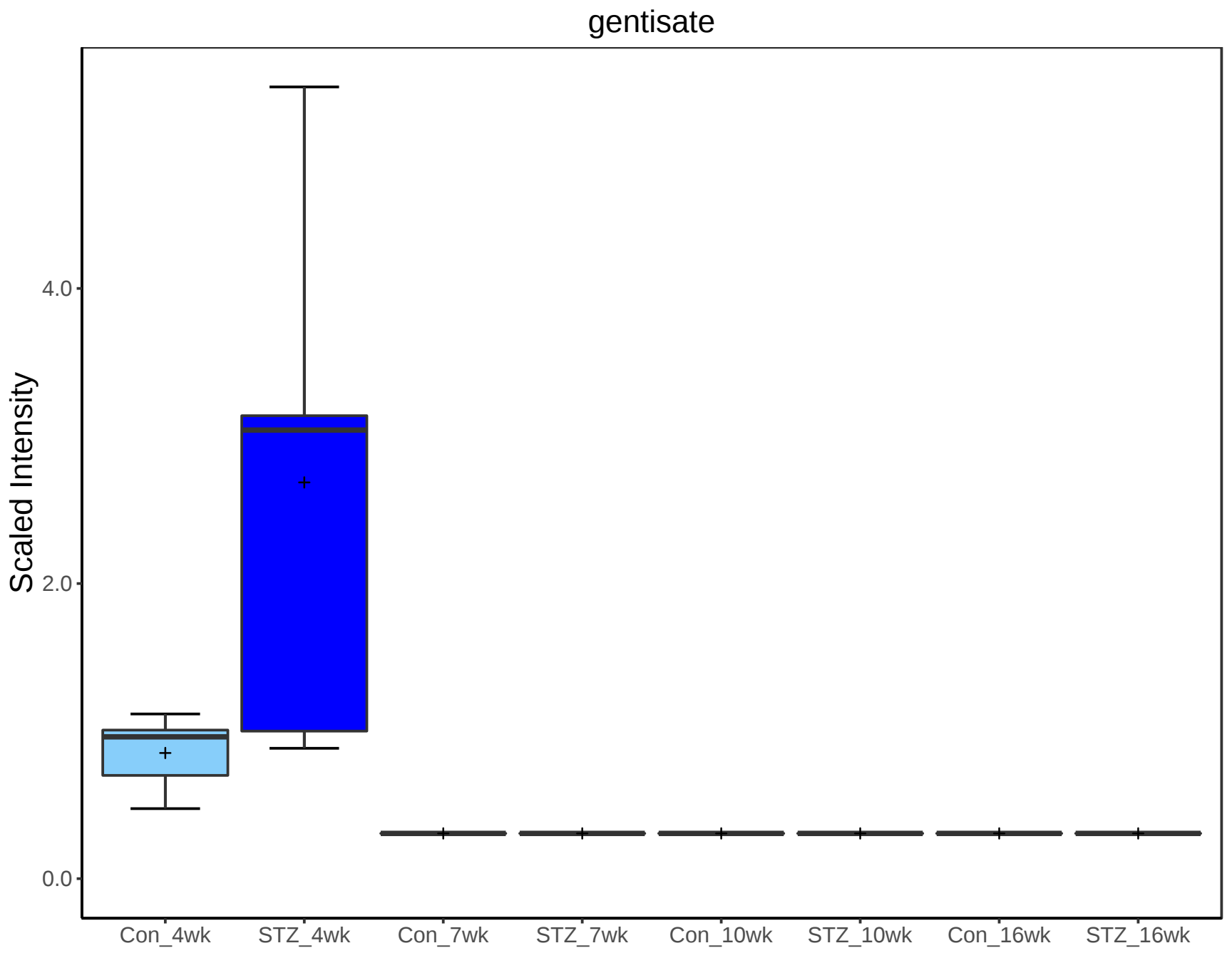

phenol sulfate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

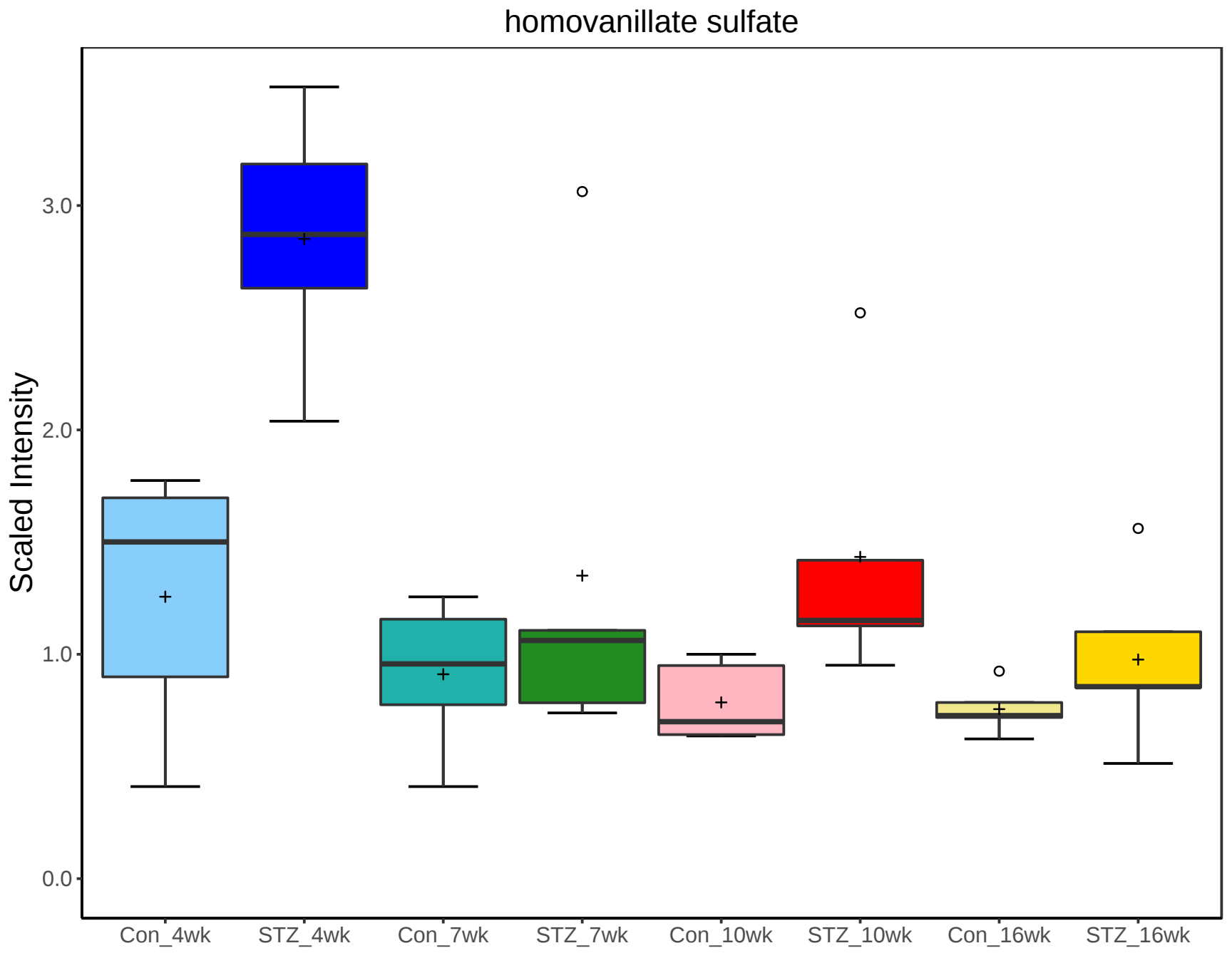

phenol glucuronide
Scaled Intensity
20.0
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

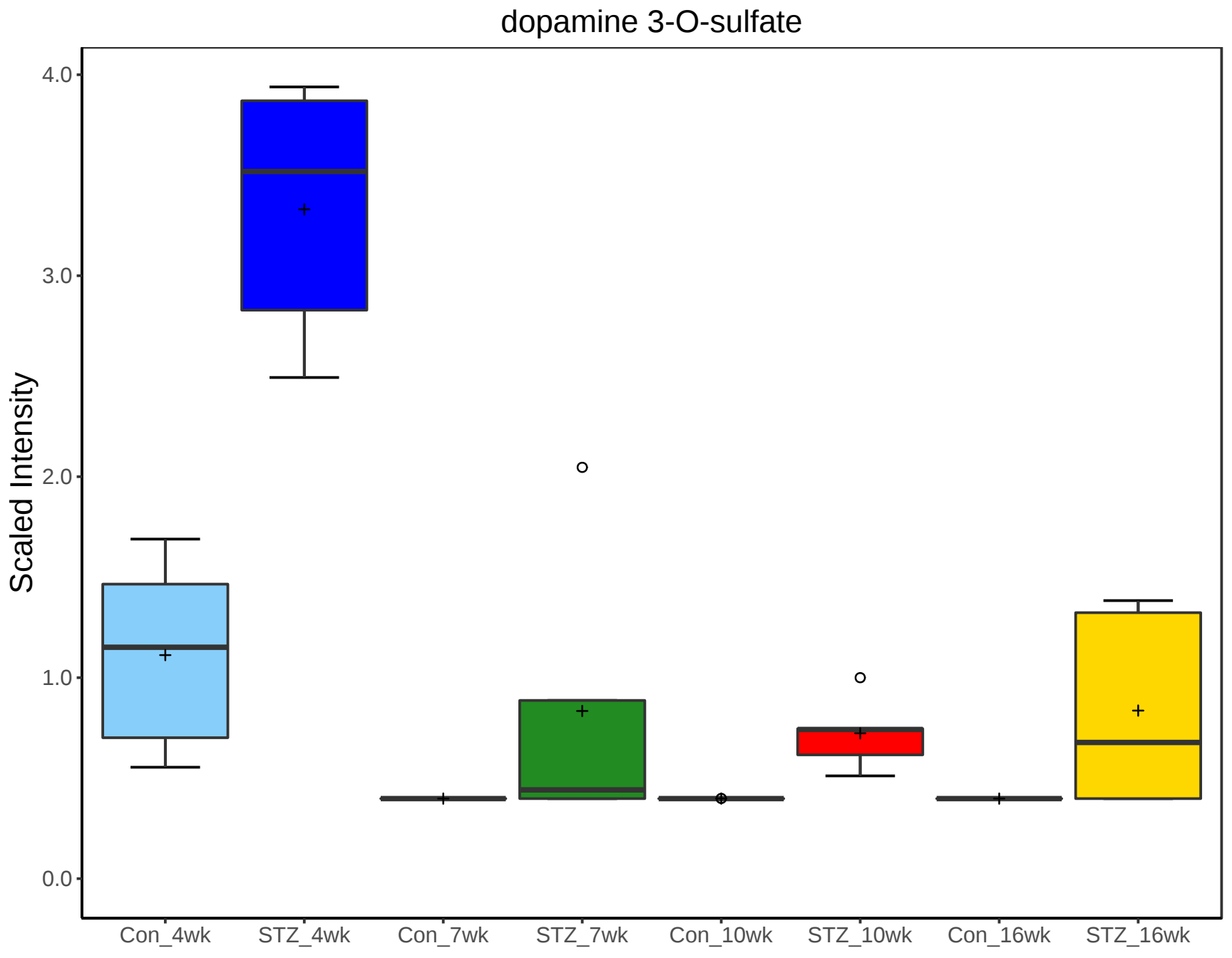

4-methoxyphenol sulfate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

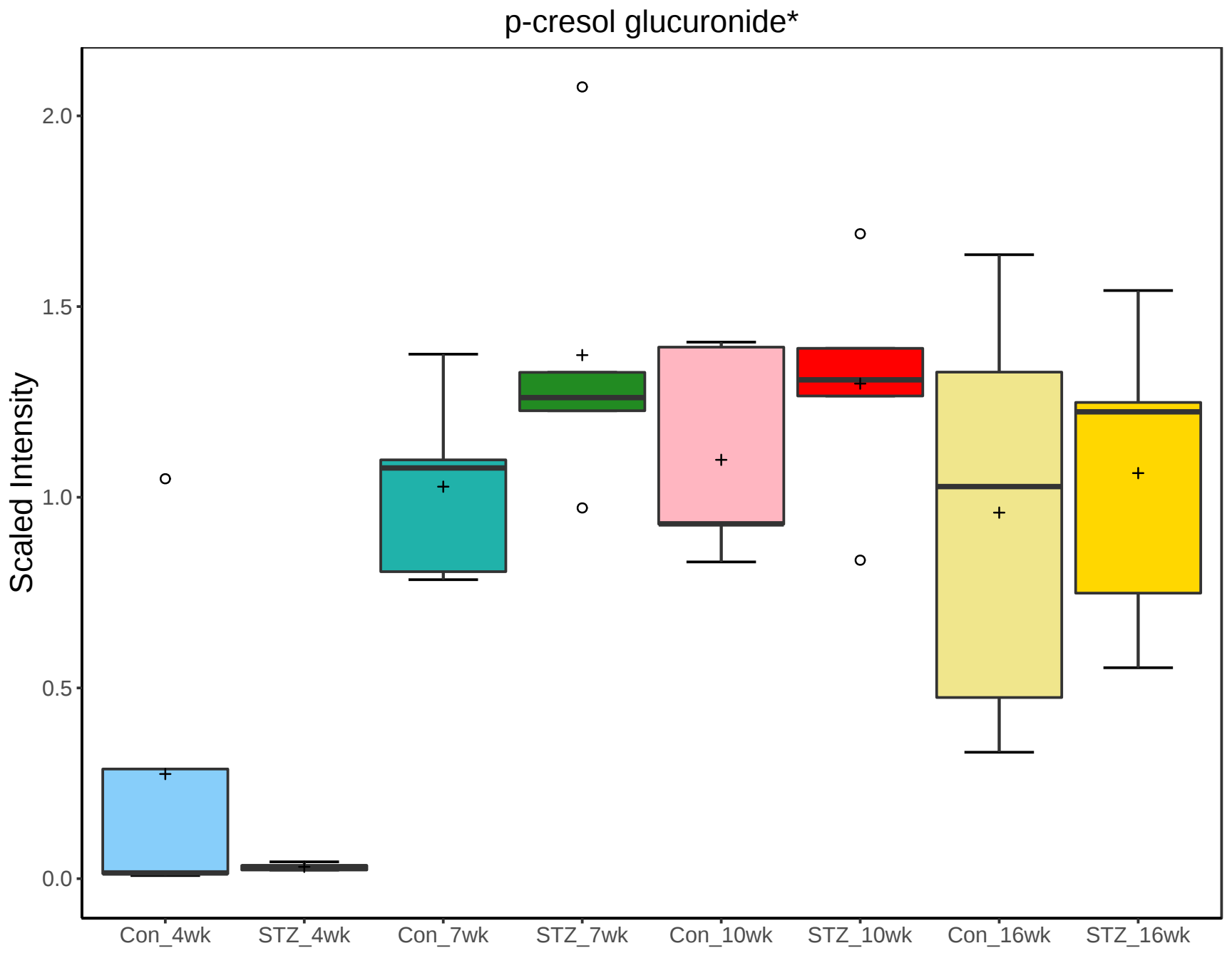

vanillactate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

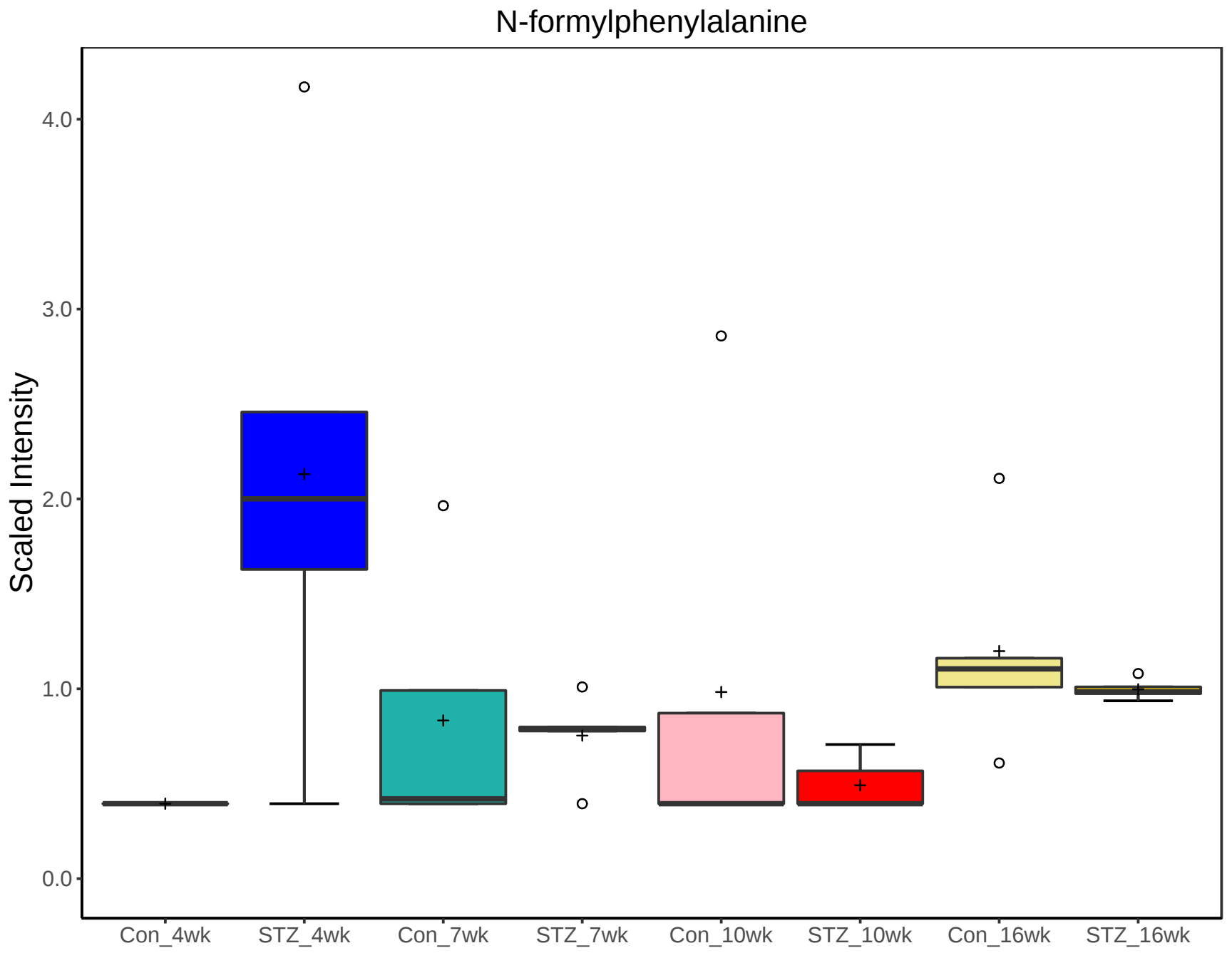

3-methoxytyrosine
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

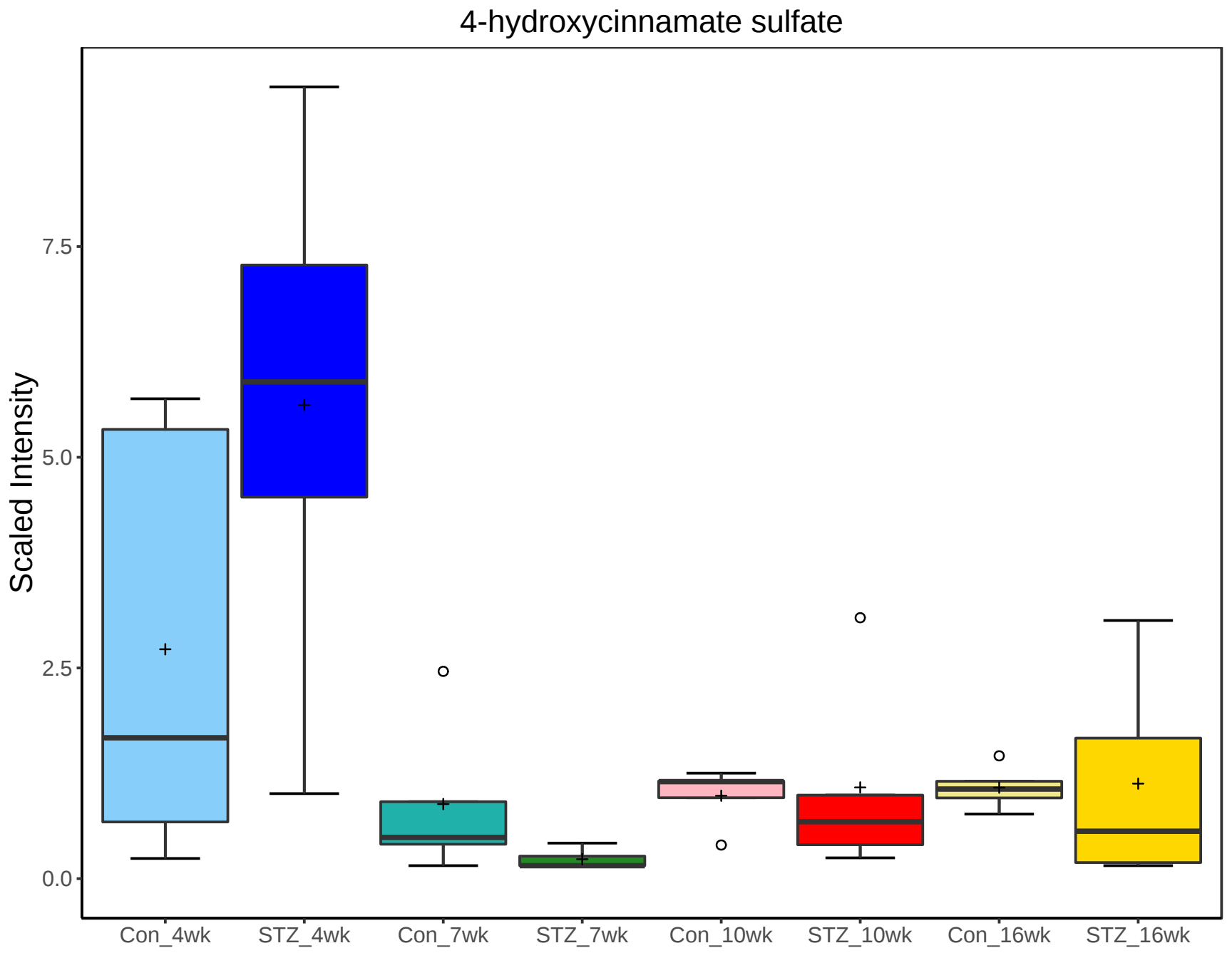

gentisate
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

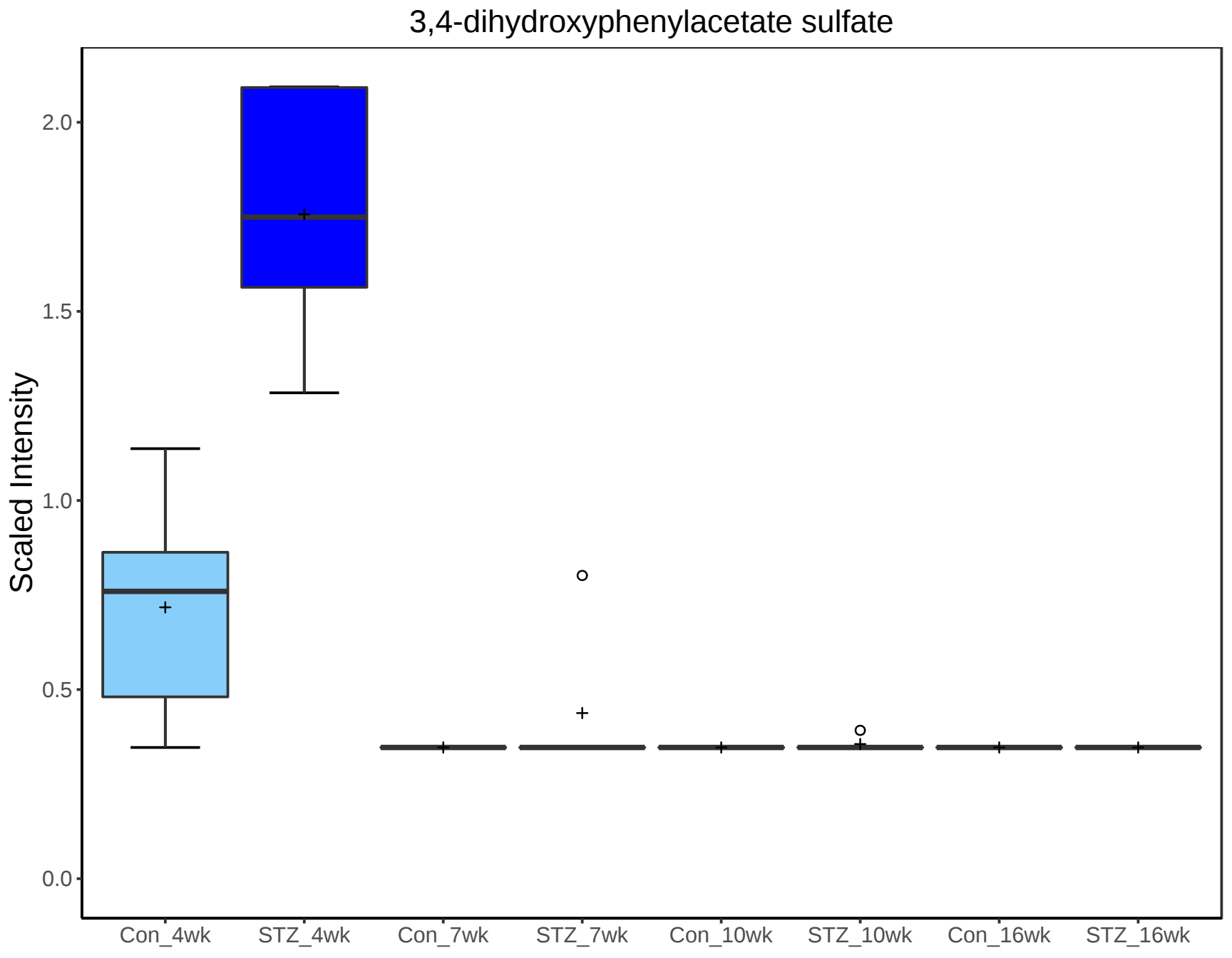

homovanillate sulfate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

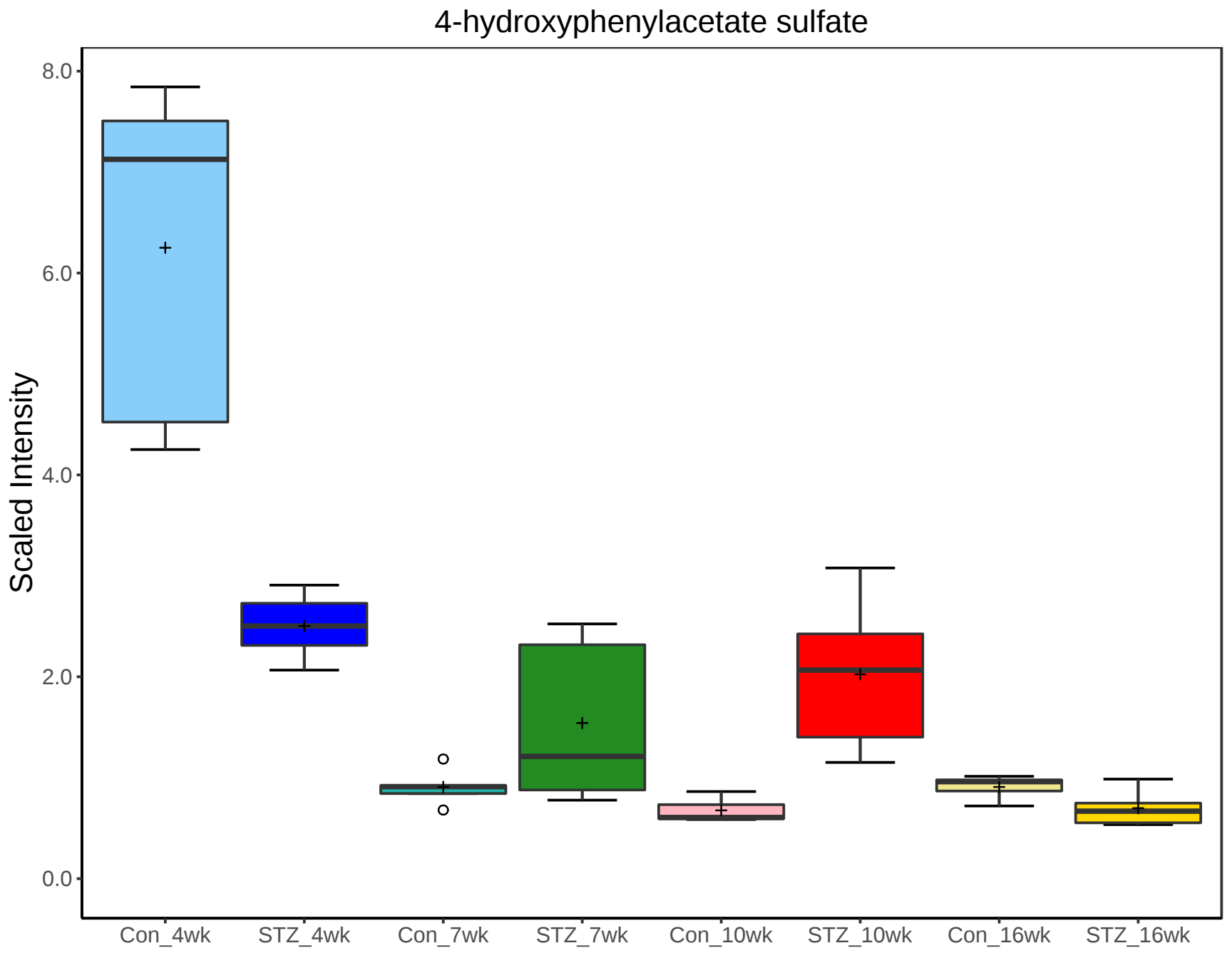

dopamine 3-O-sulfate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

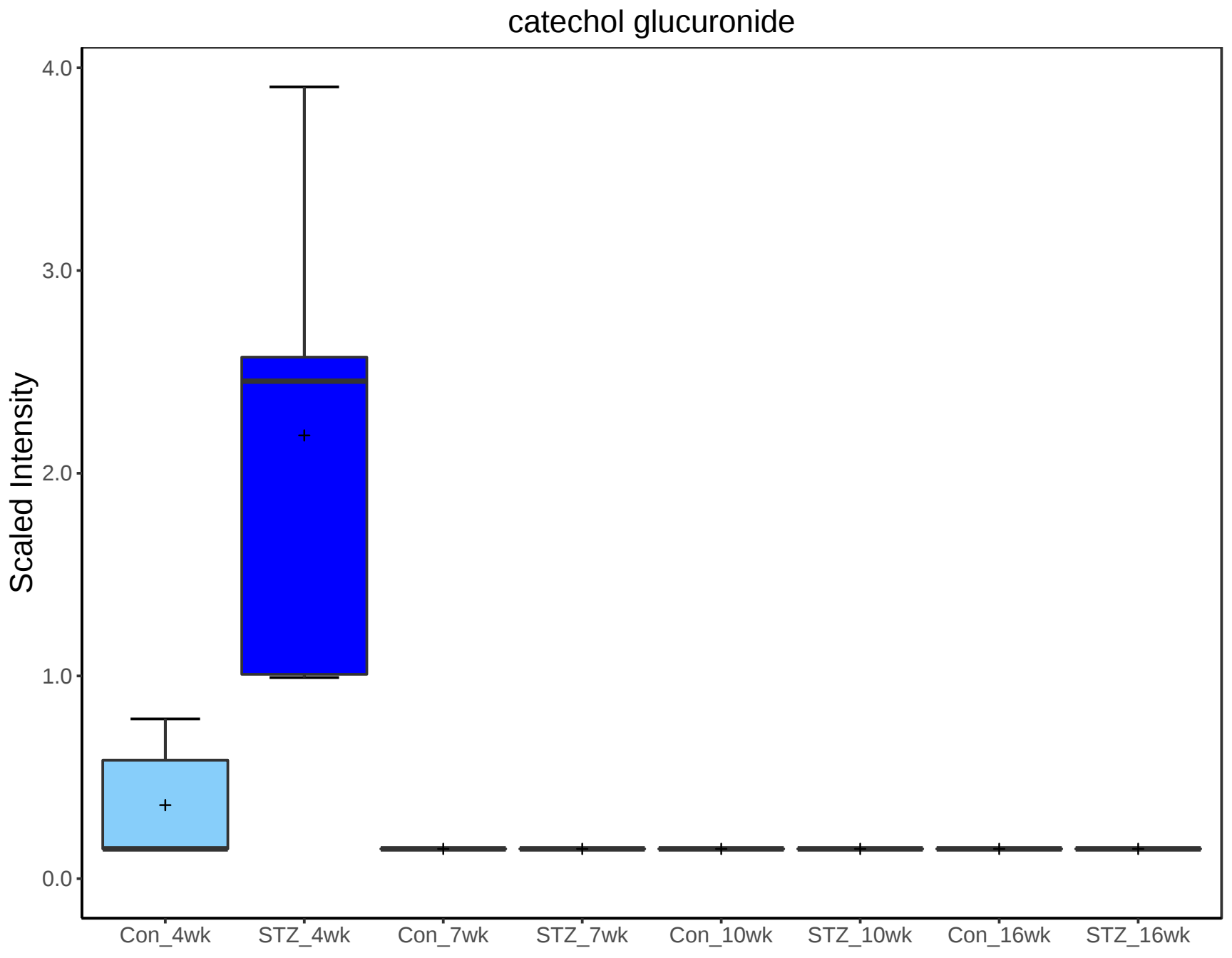

p-cresol glucuronide*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

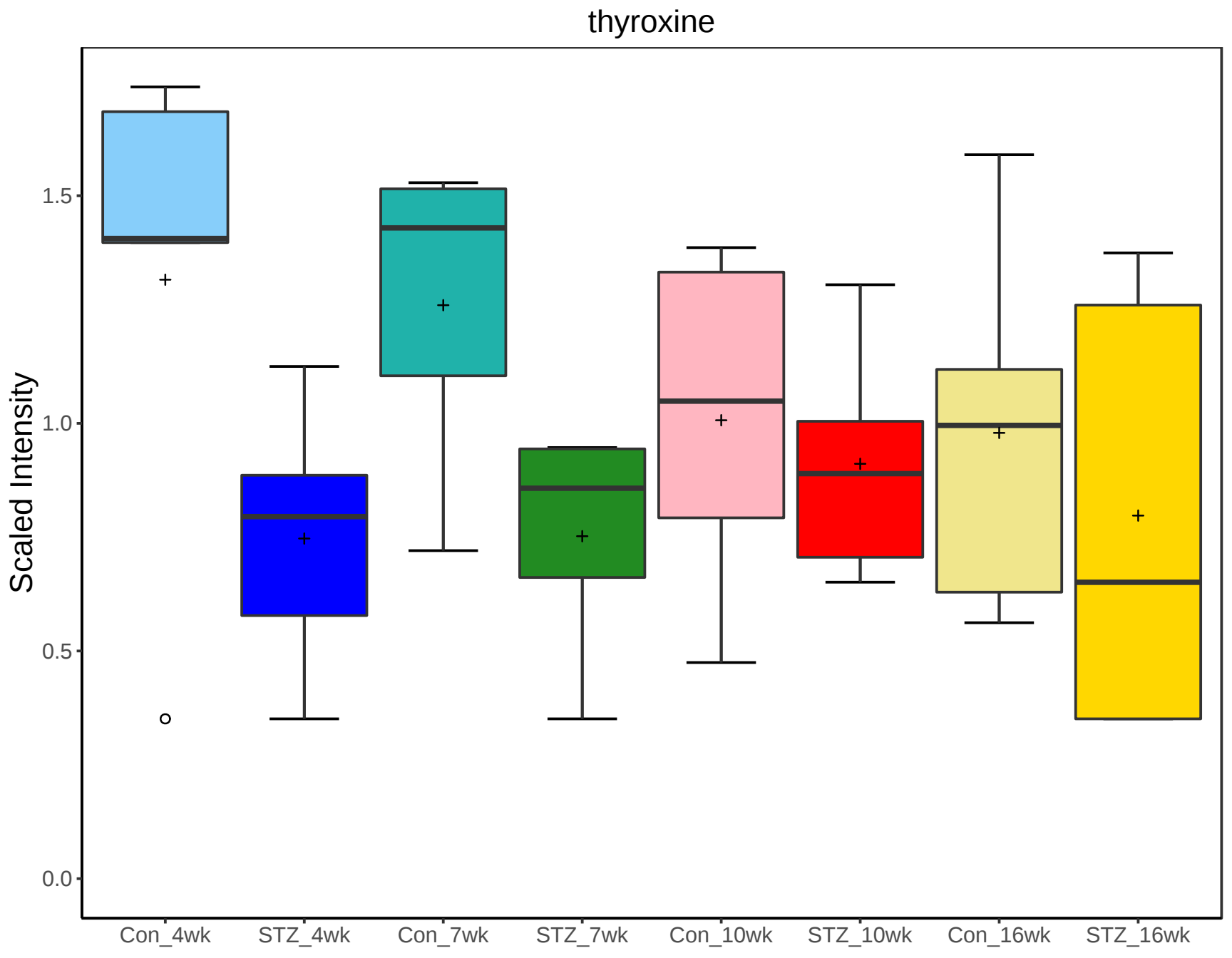

N-formylphenylalanine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

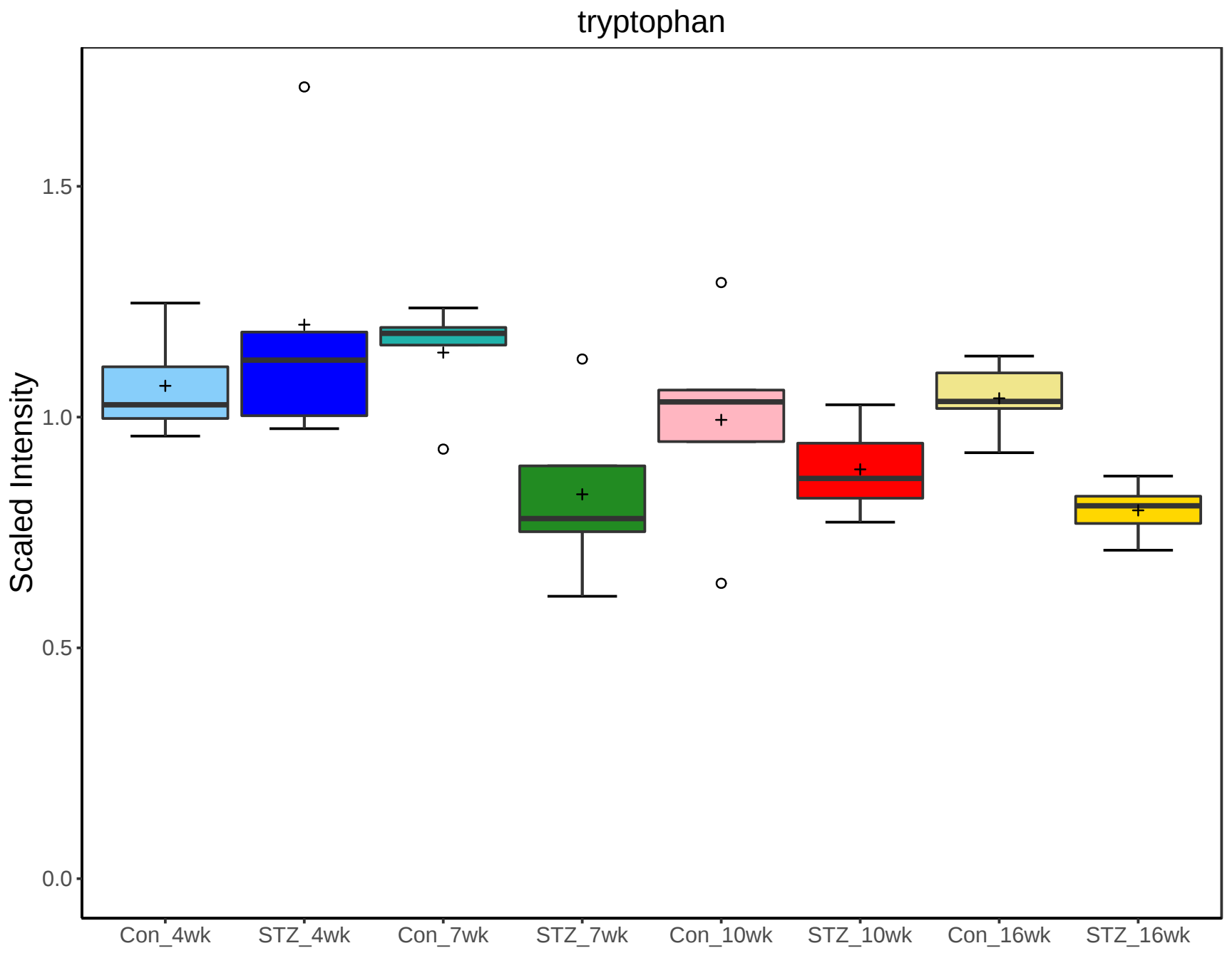

4-hydroxycinnamate sulfate
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

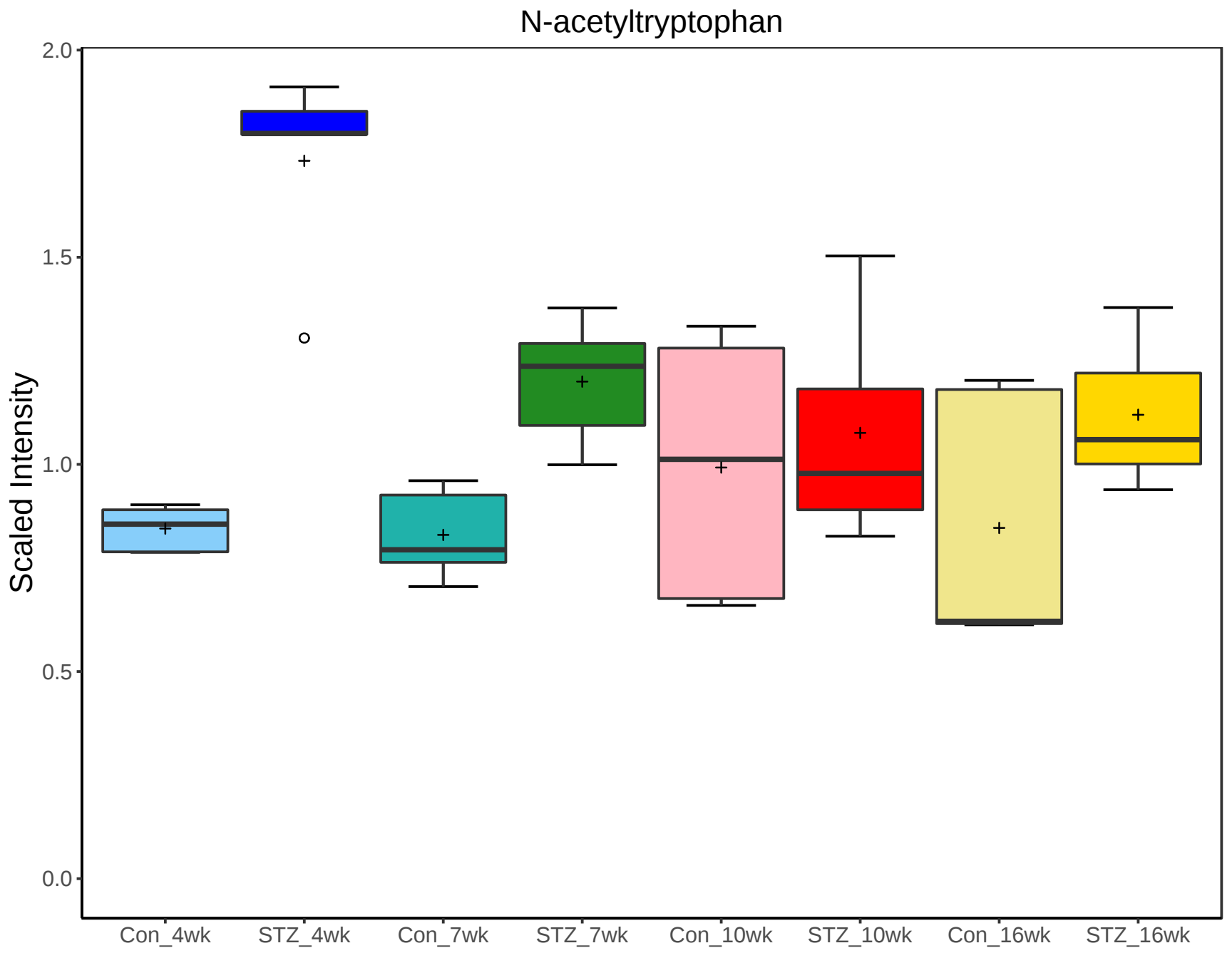

3,4-dihydroxyphenylacetate sulfate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

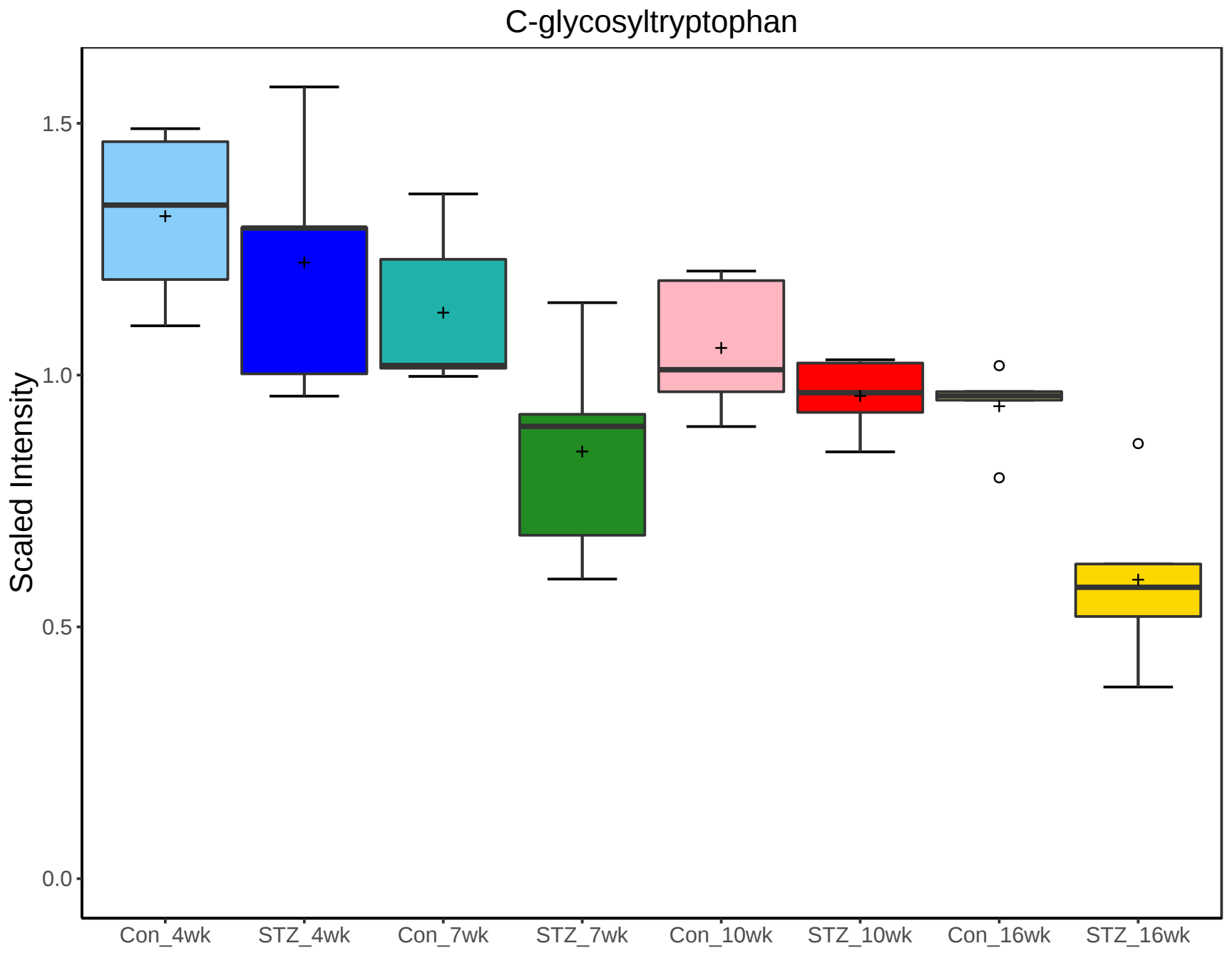

4-hydroxyphenylacetate sulfate
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

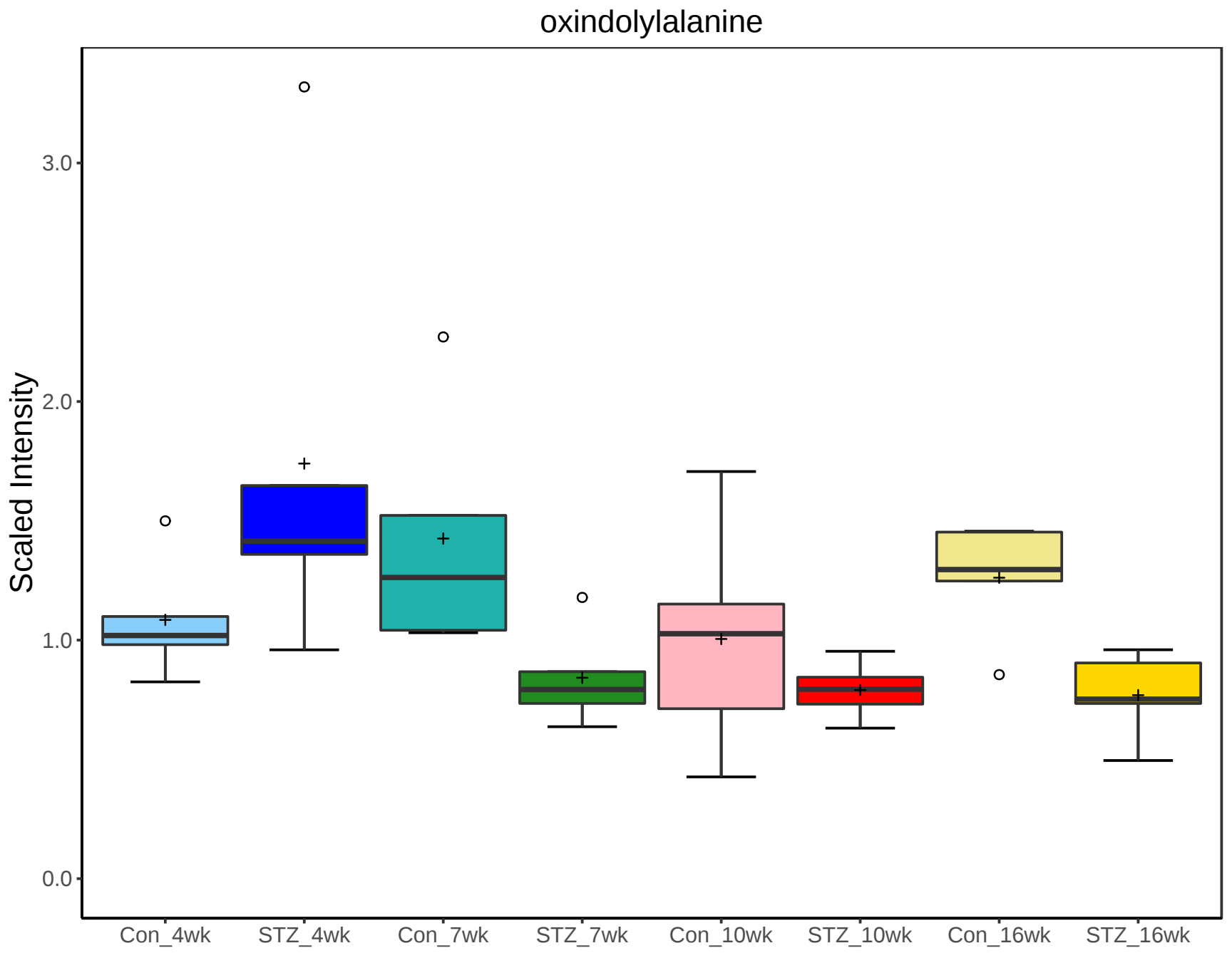

catechol glucuronide
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

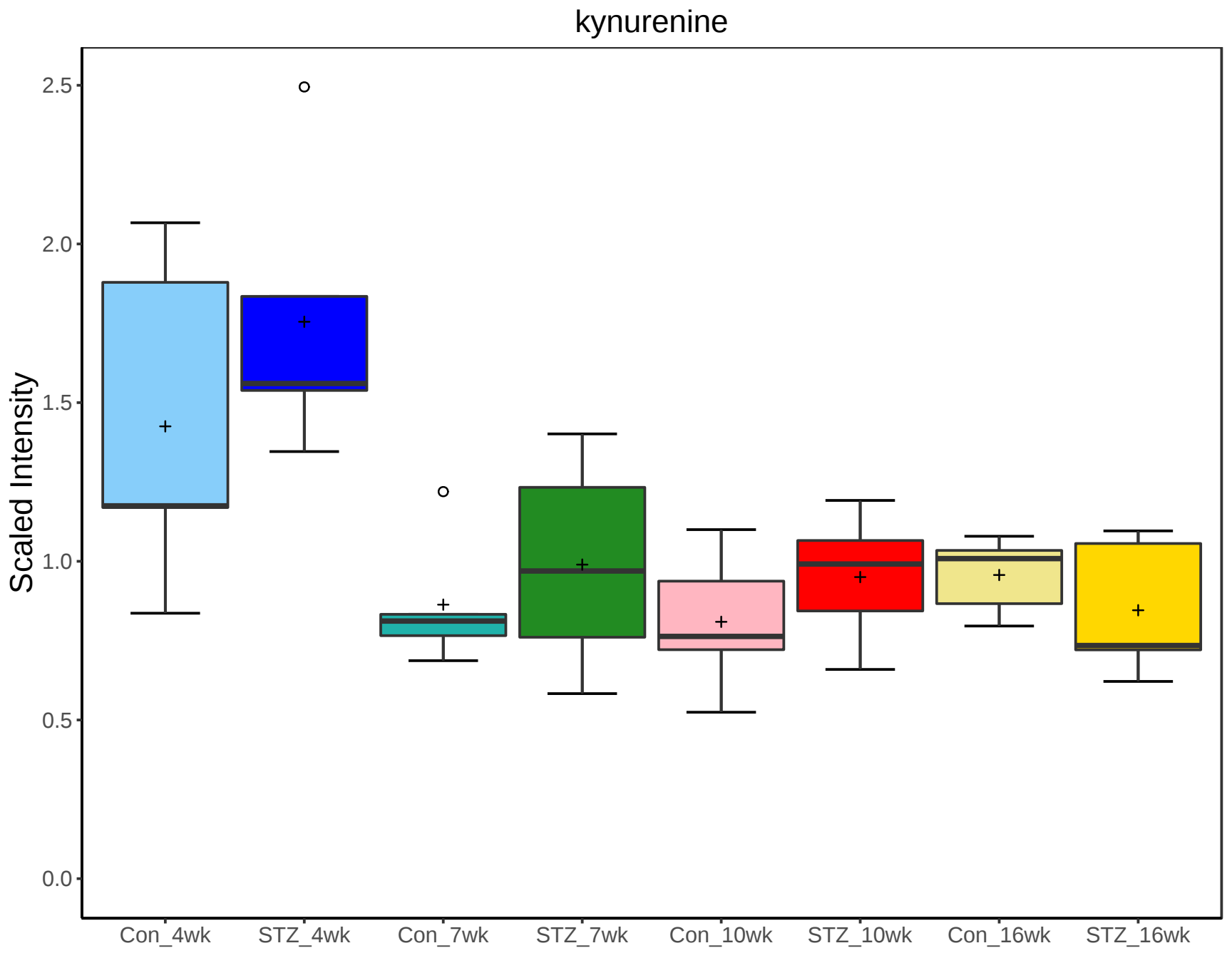

thyroxine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

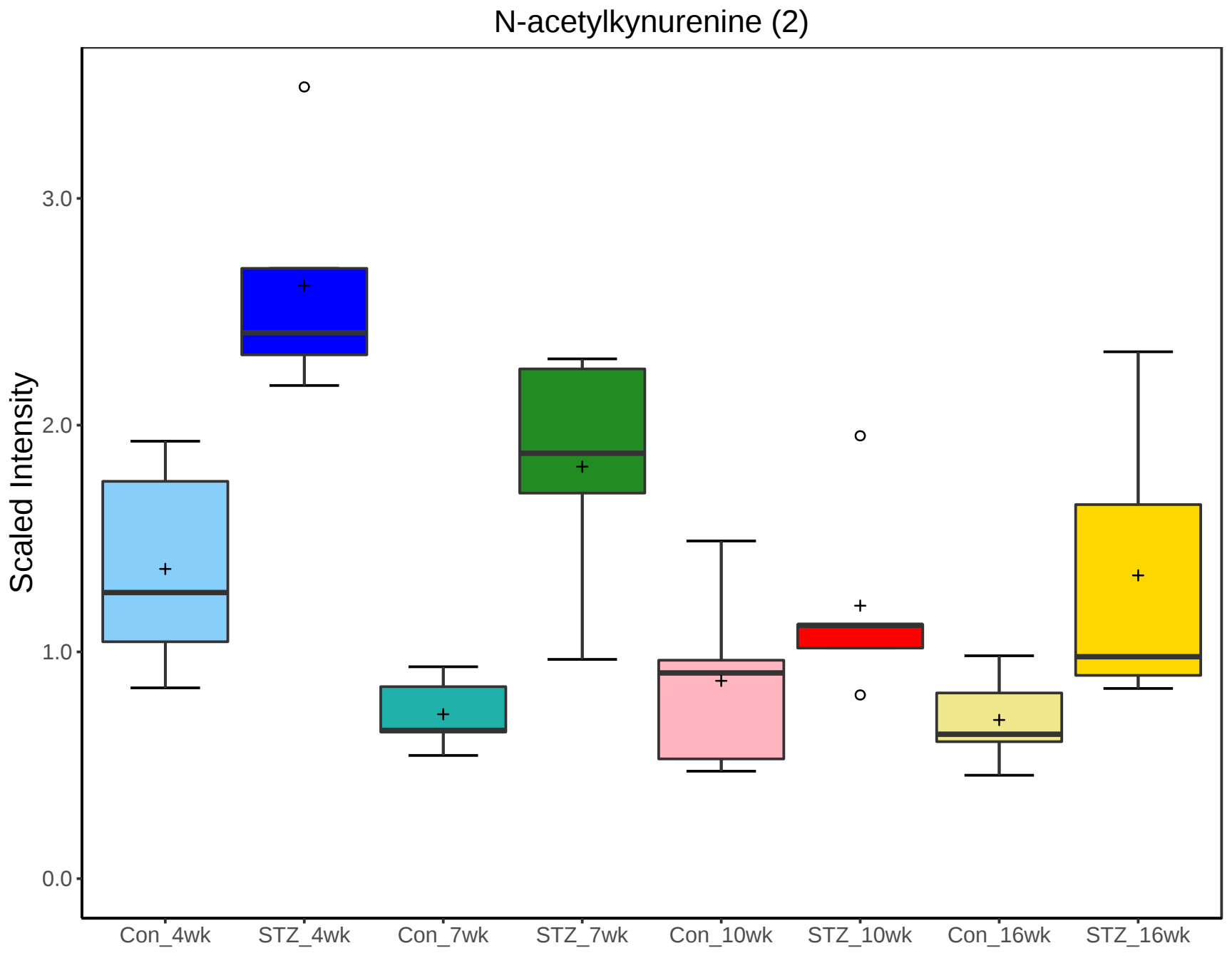

tryptophan
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

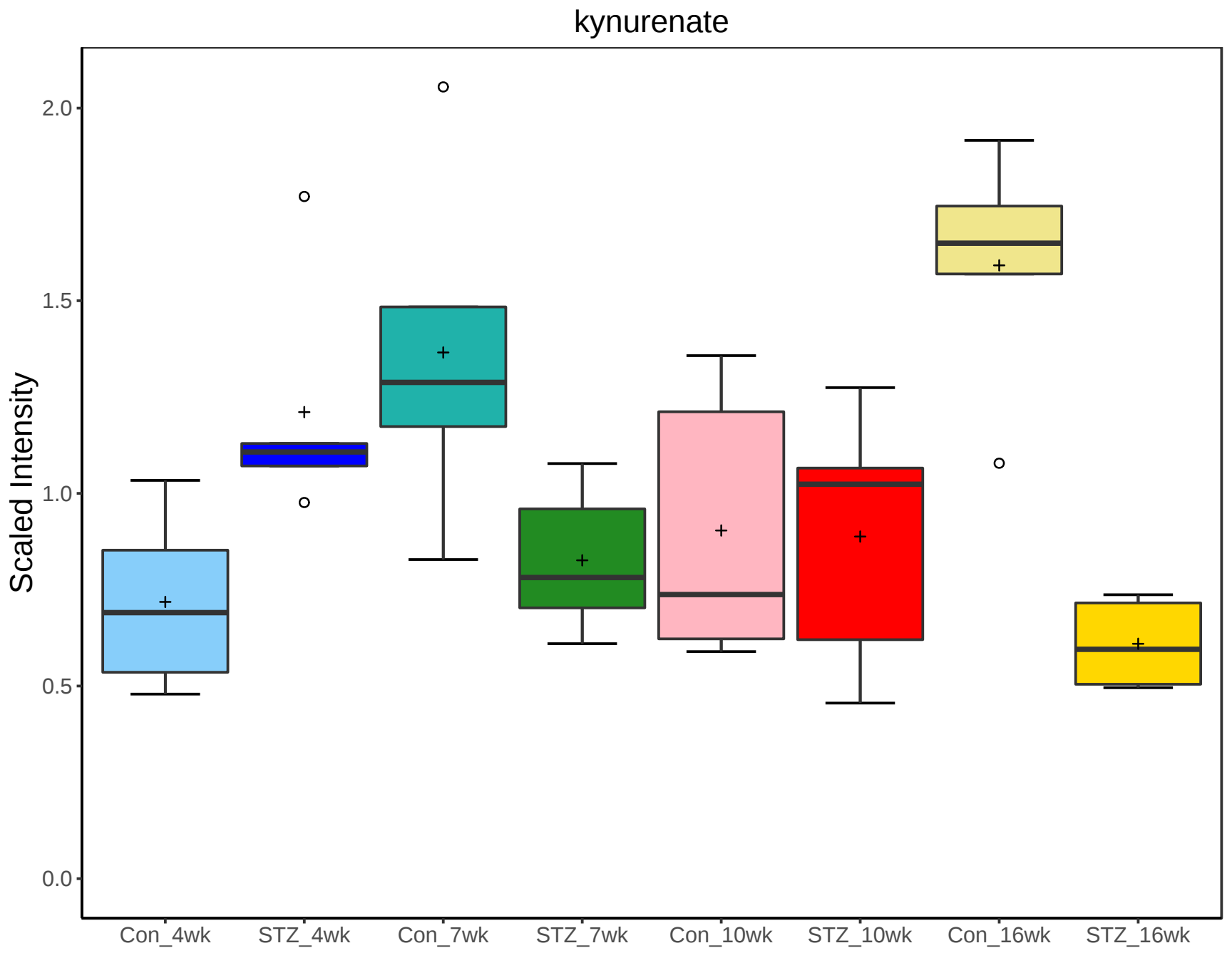

N-acetyltryptophan
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

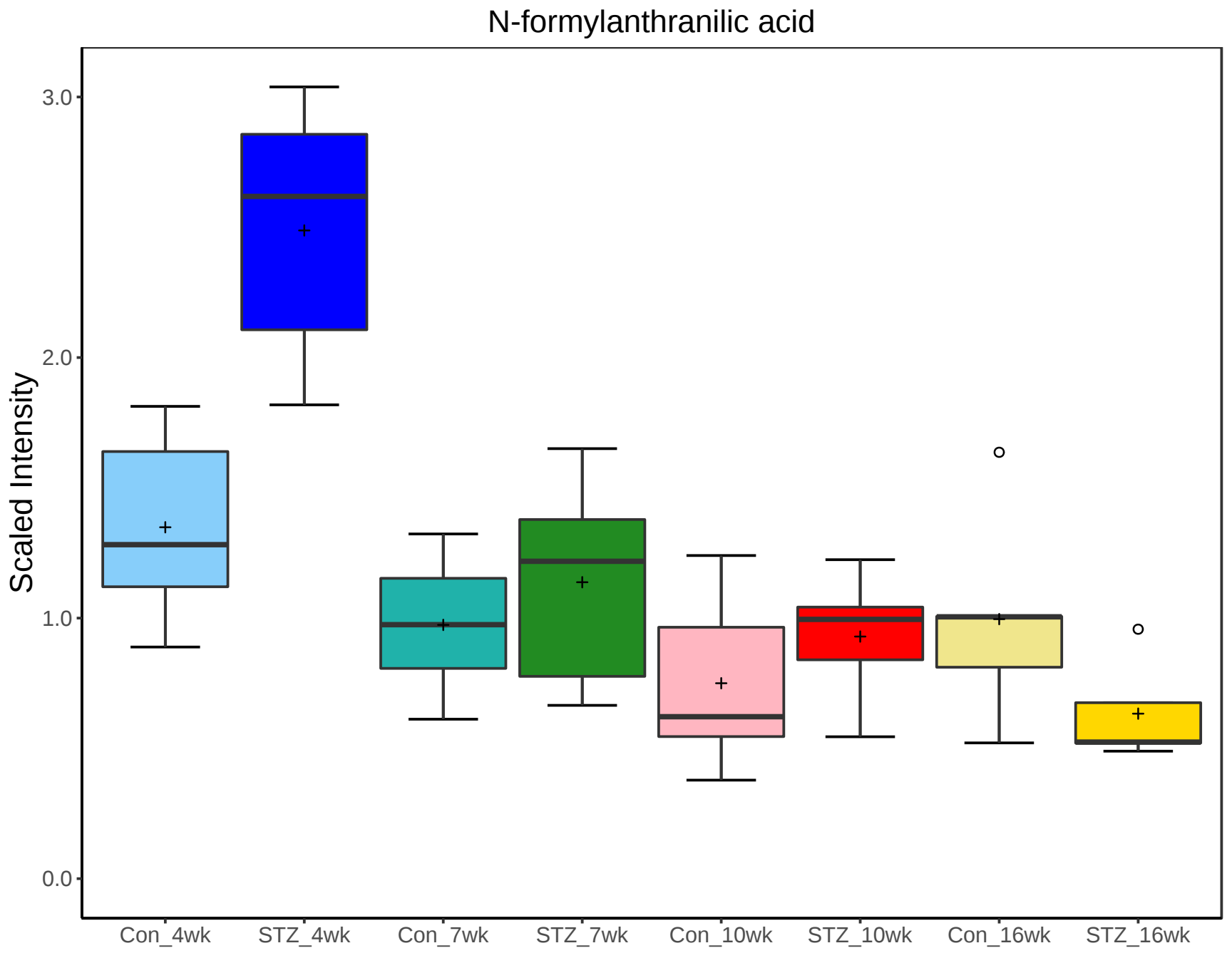

C-glycosyltryptophan
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

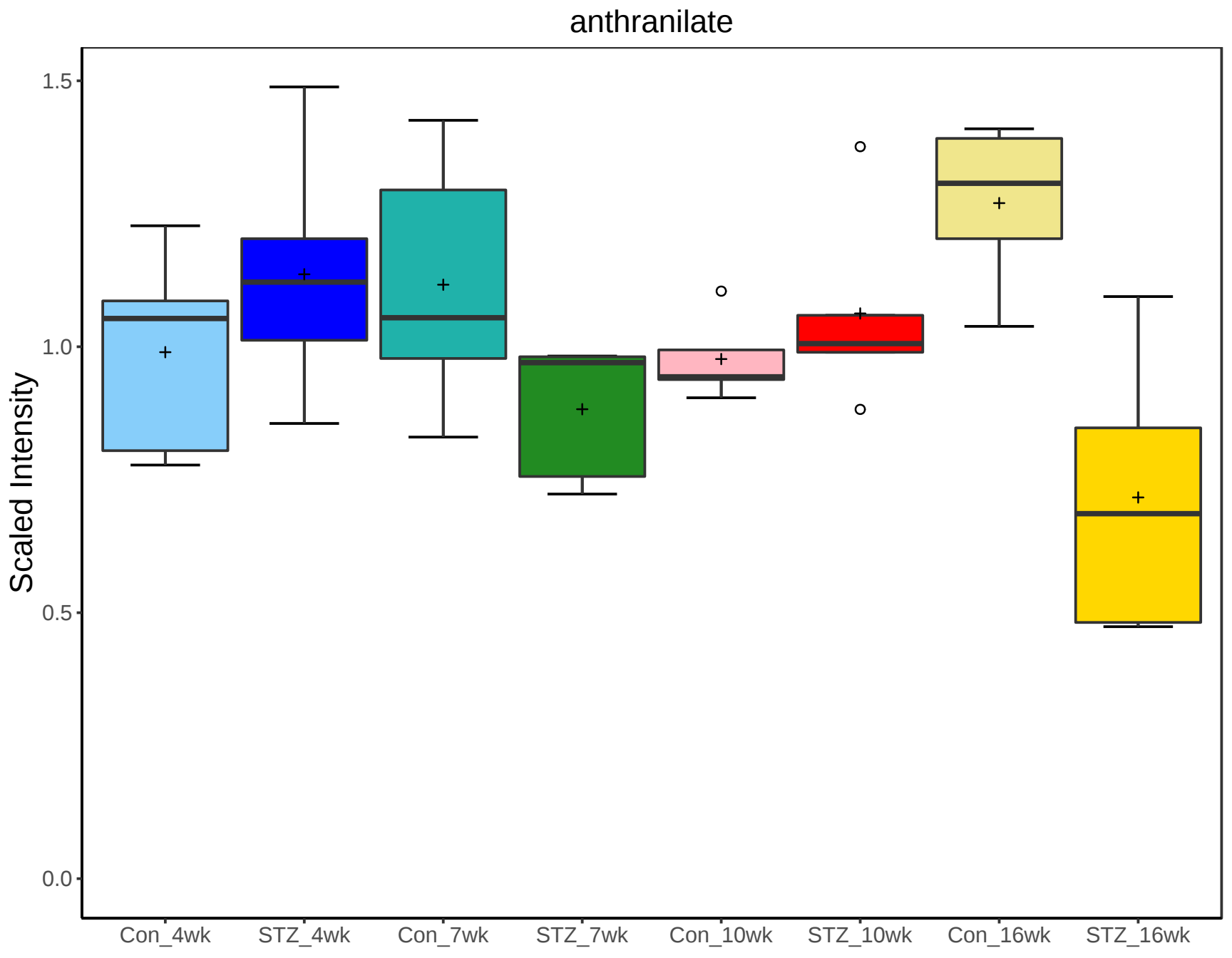

oxindolylalanine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

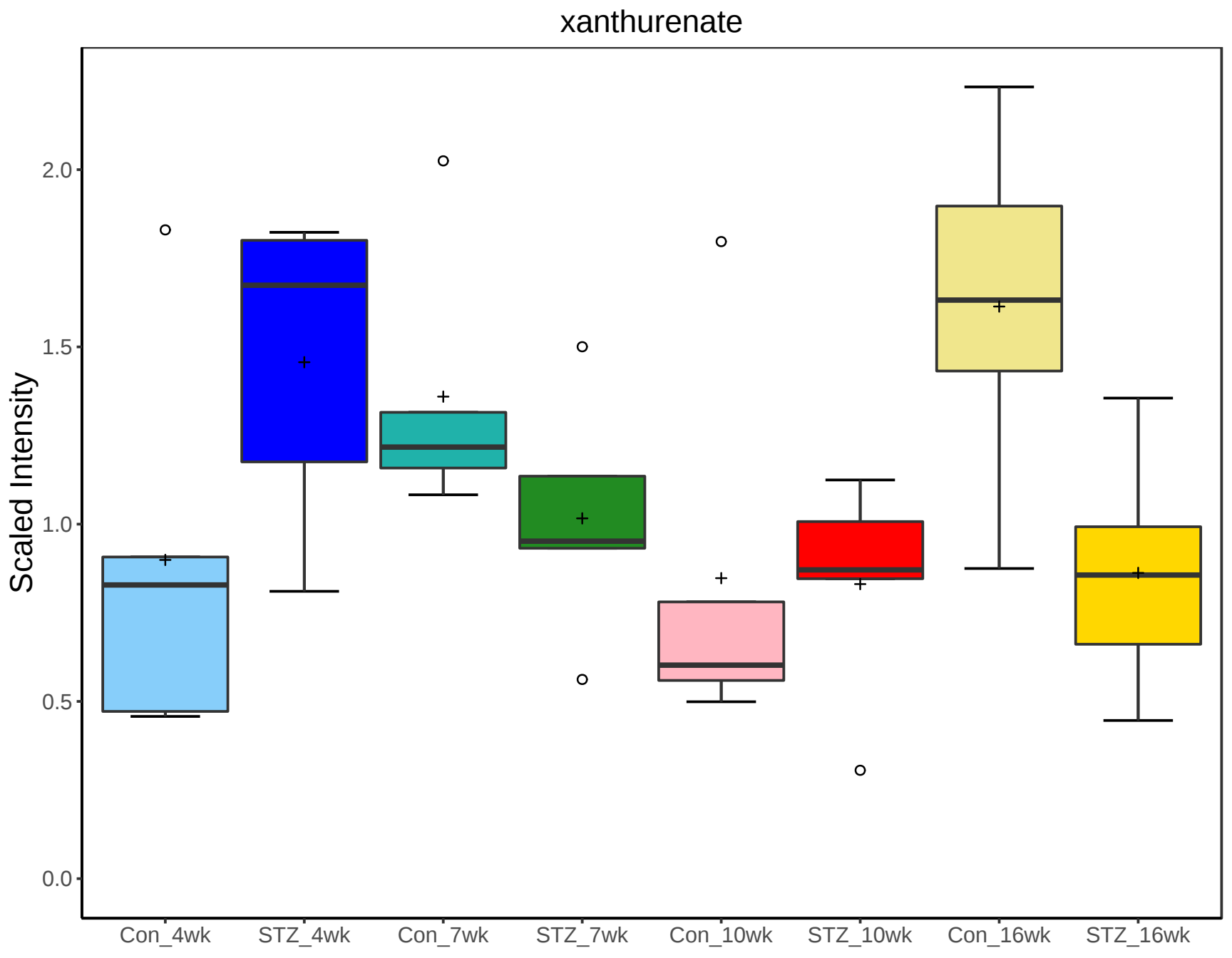

kynurenine
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

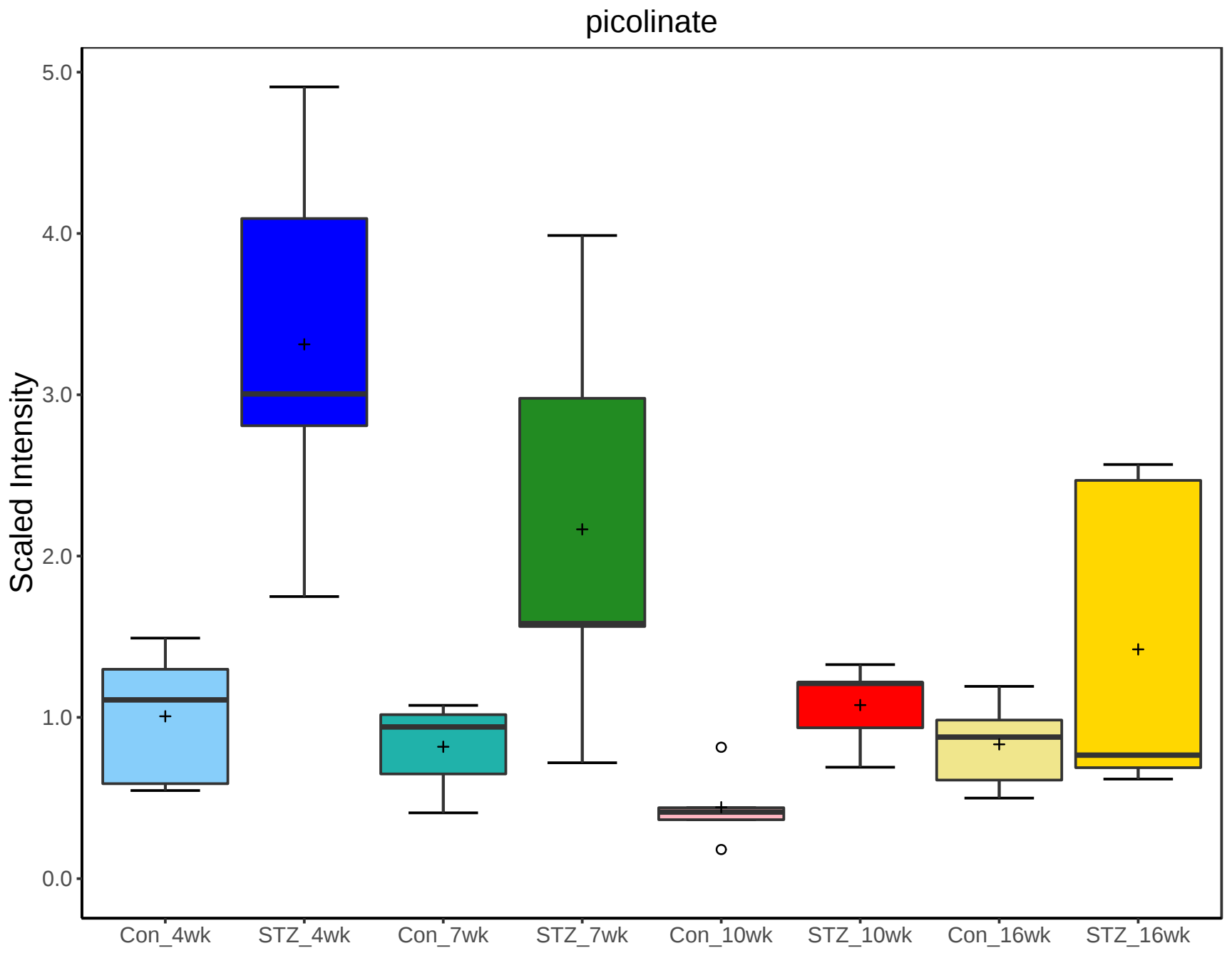

N-acetylkynurenine (2)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

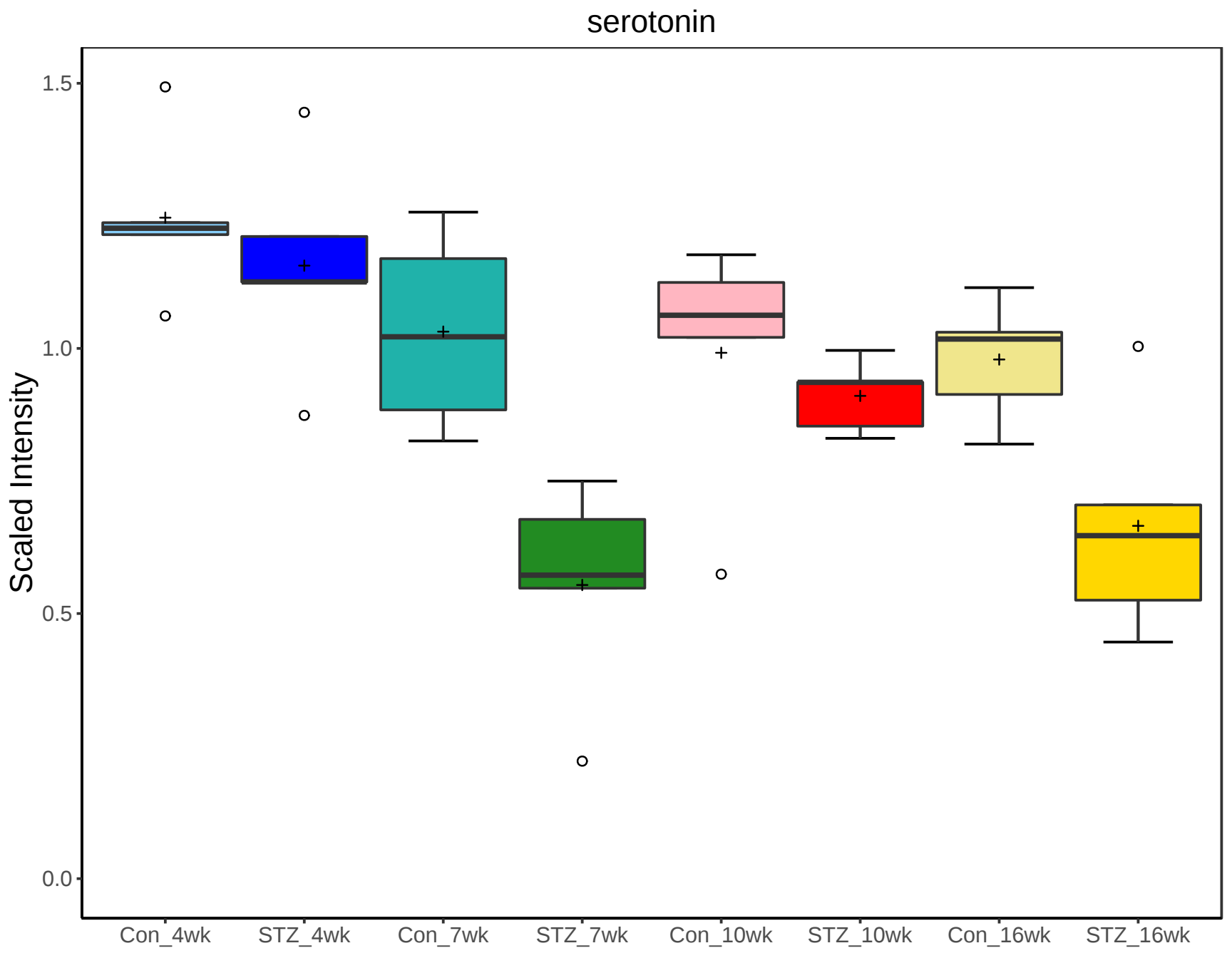

kynurenate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

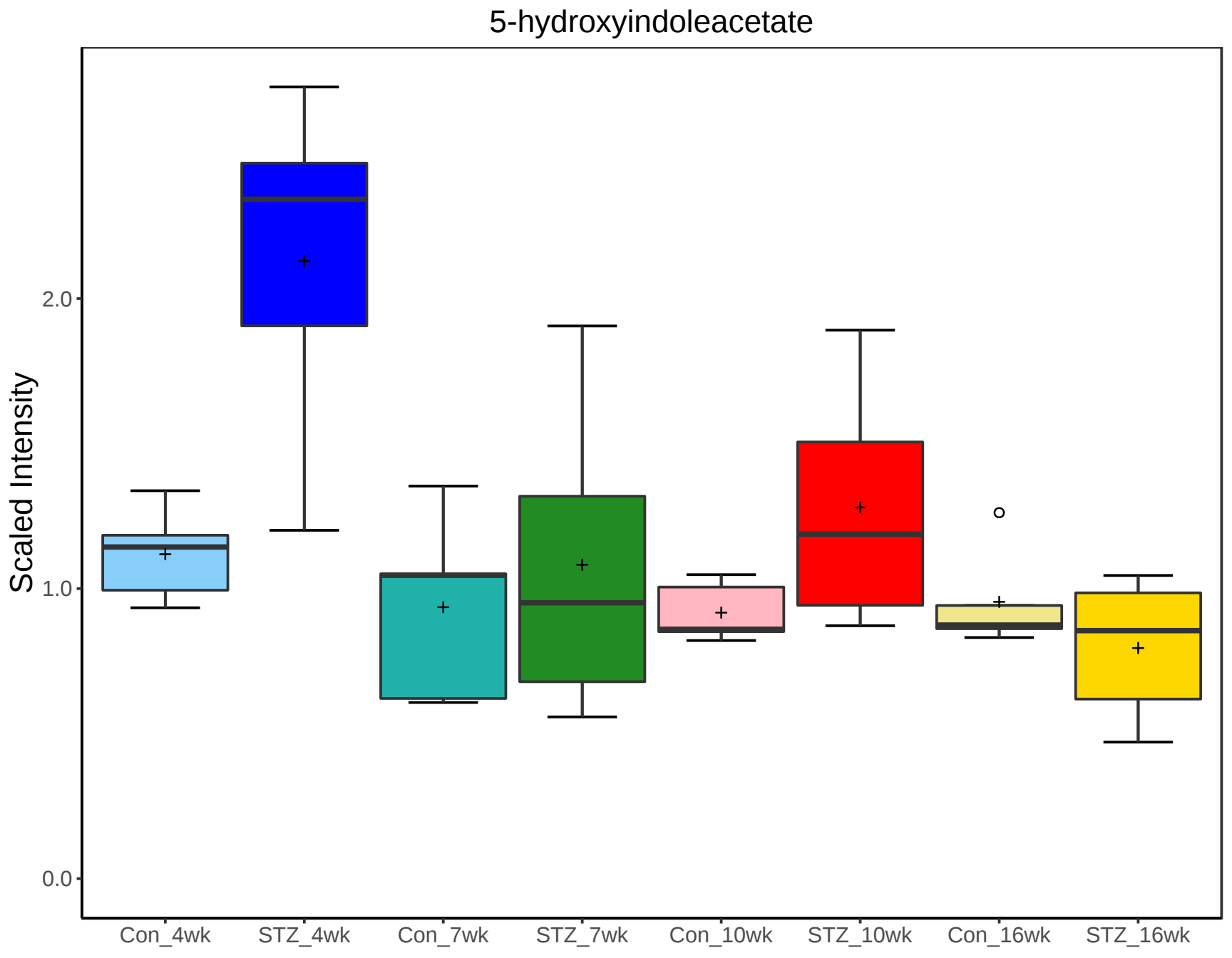

N-formylanthranilic acid
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

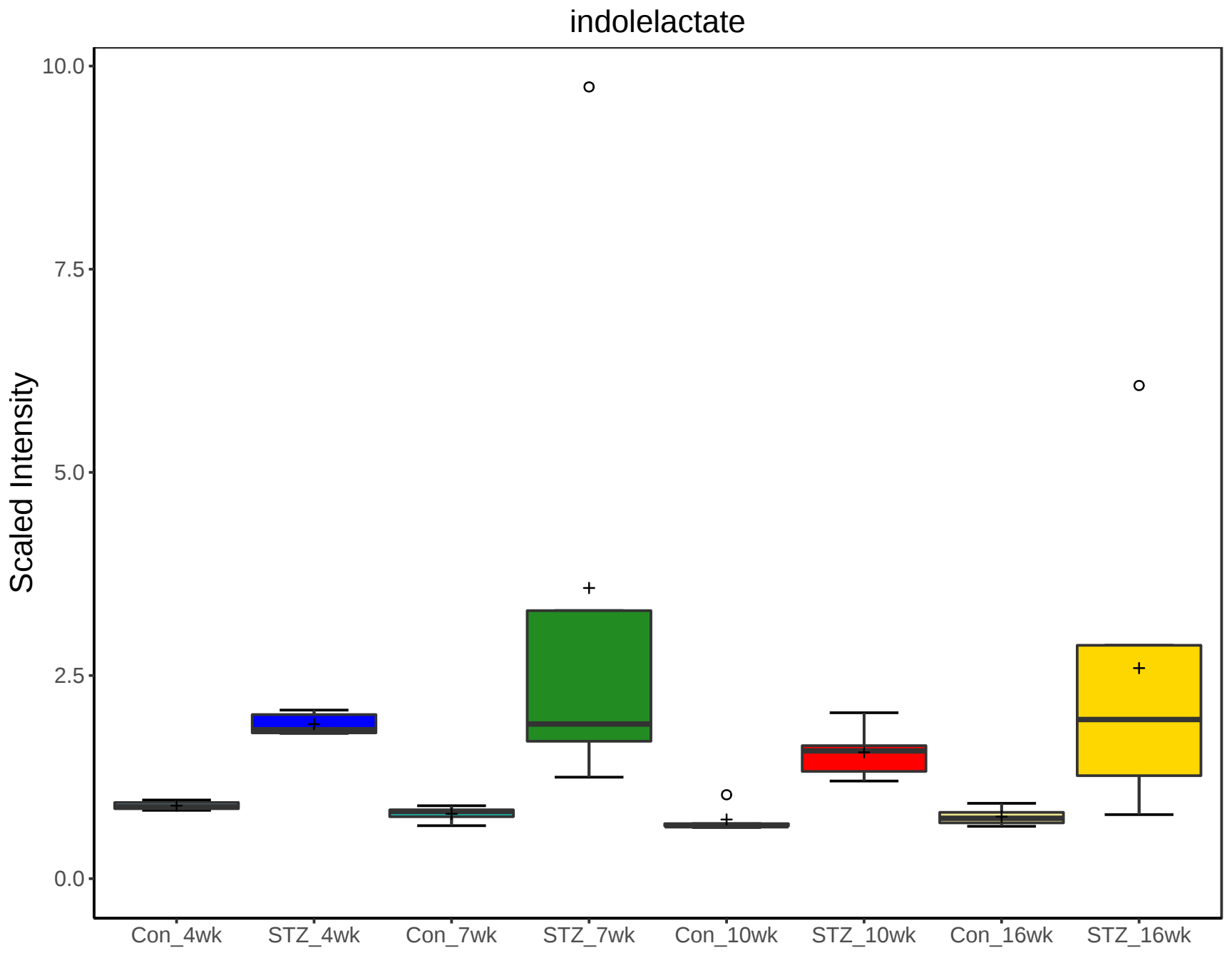

anthranilate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

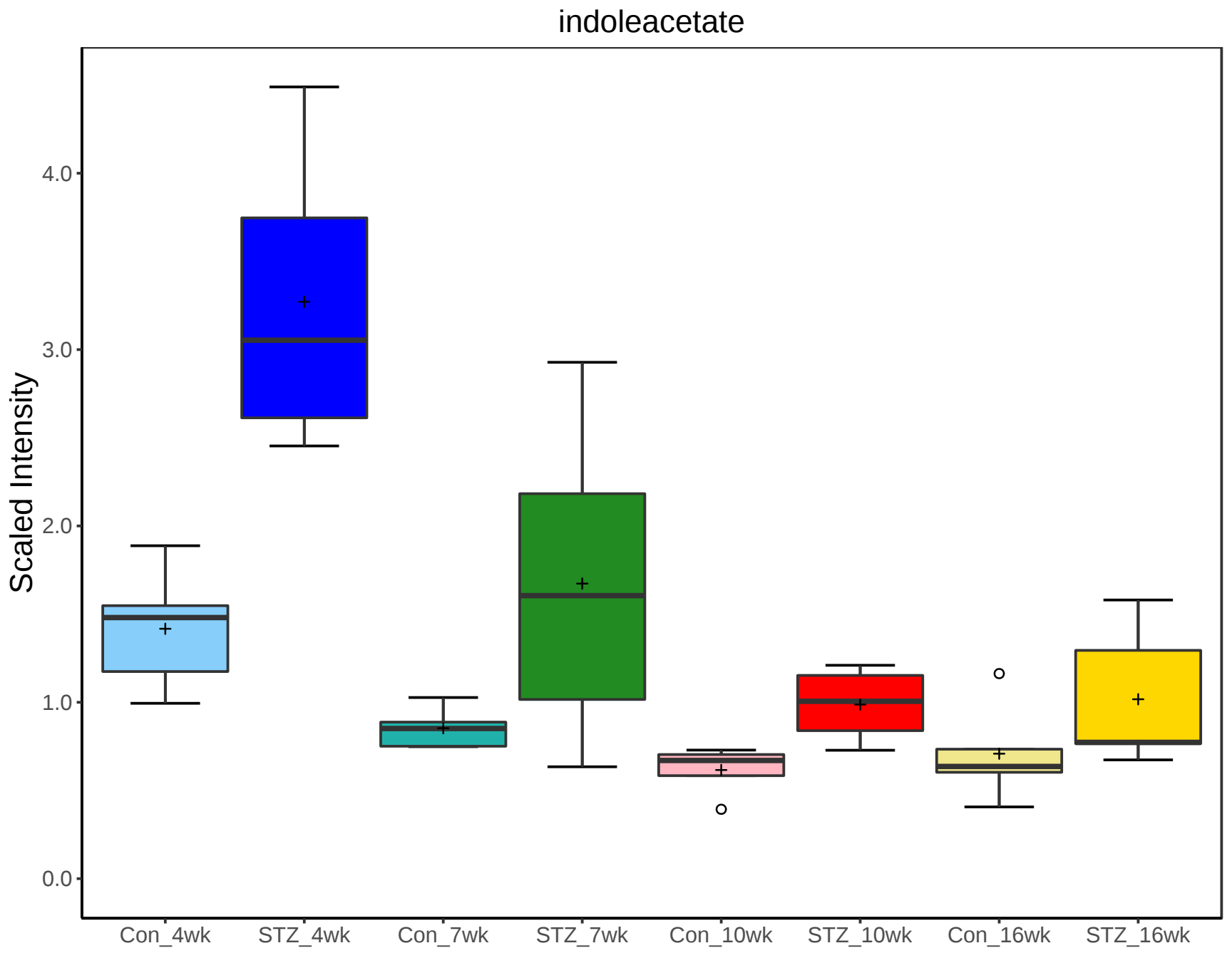

xanthurenate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

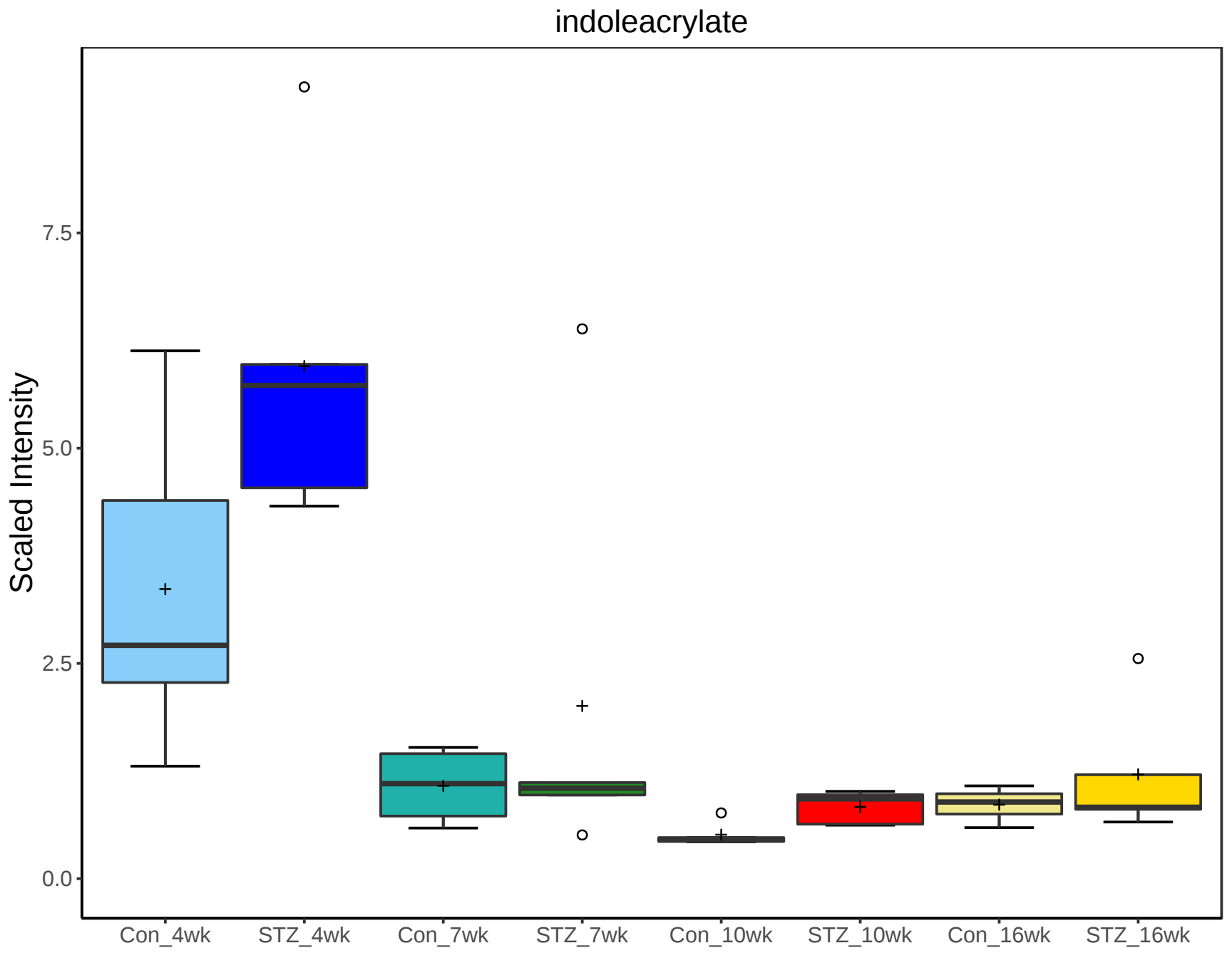

picolinate
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

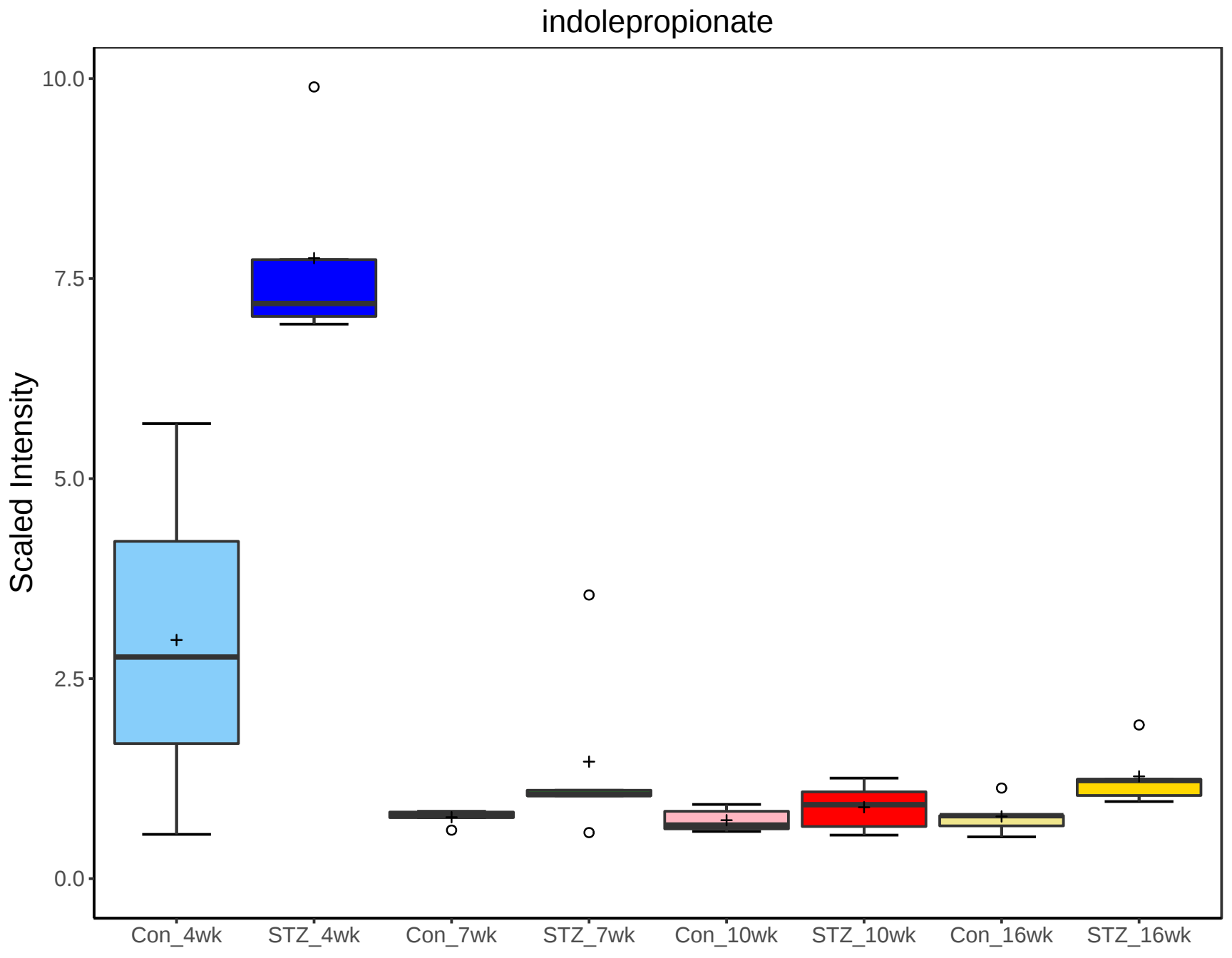

serotonin
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

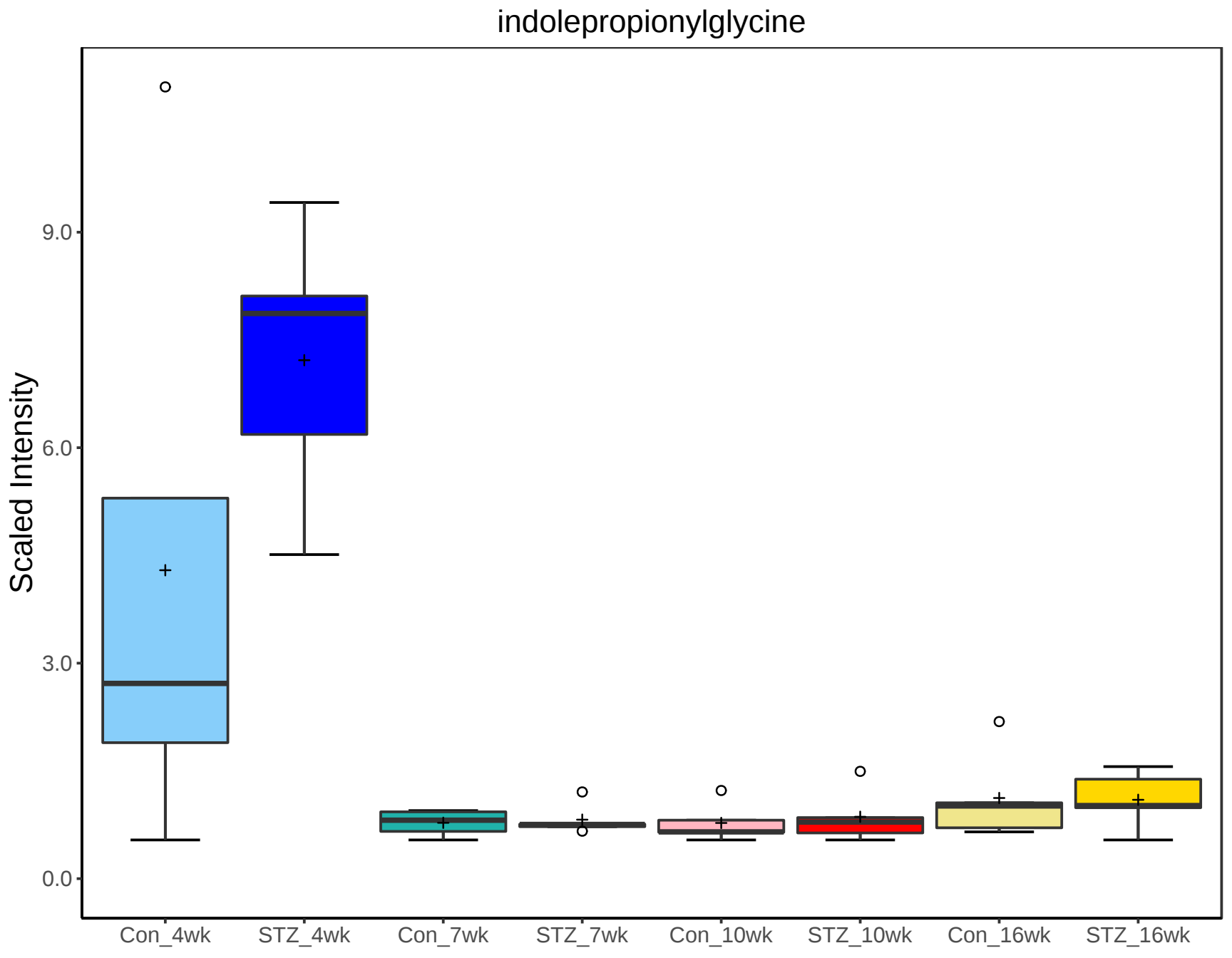

5-hydroxyindoleacetate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

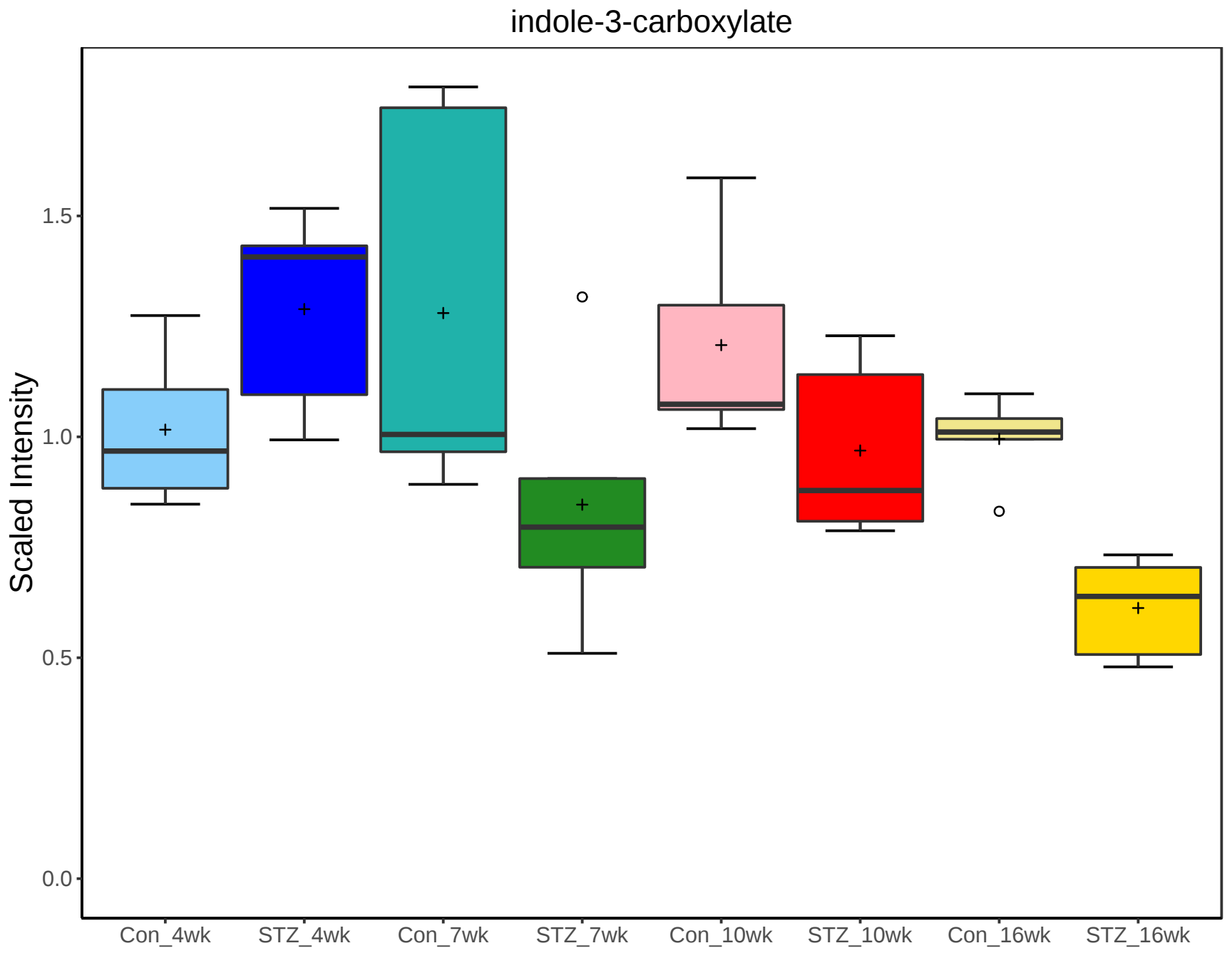

indolelactate
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

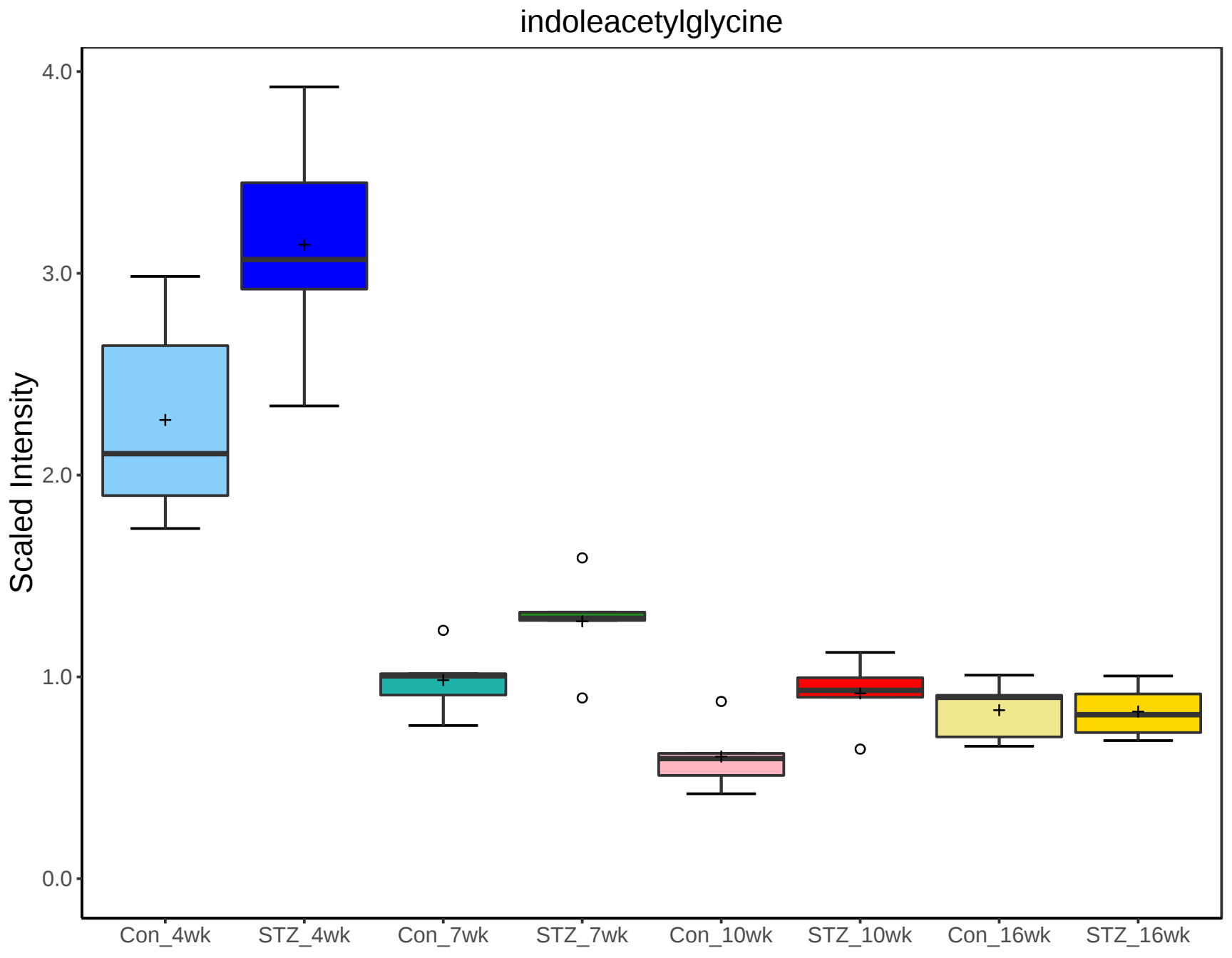

indoleacetate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

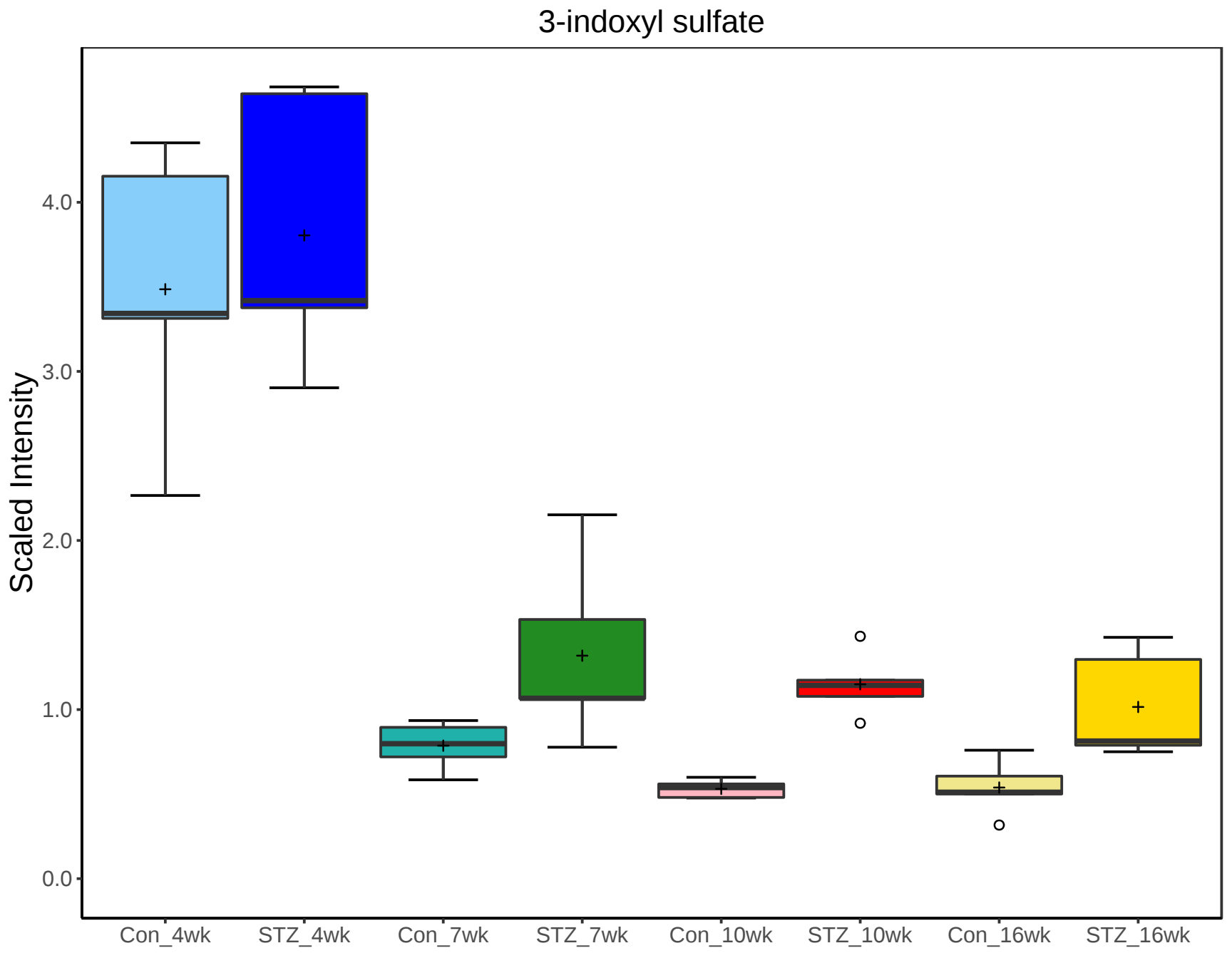

indoleacrylate
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

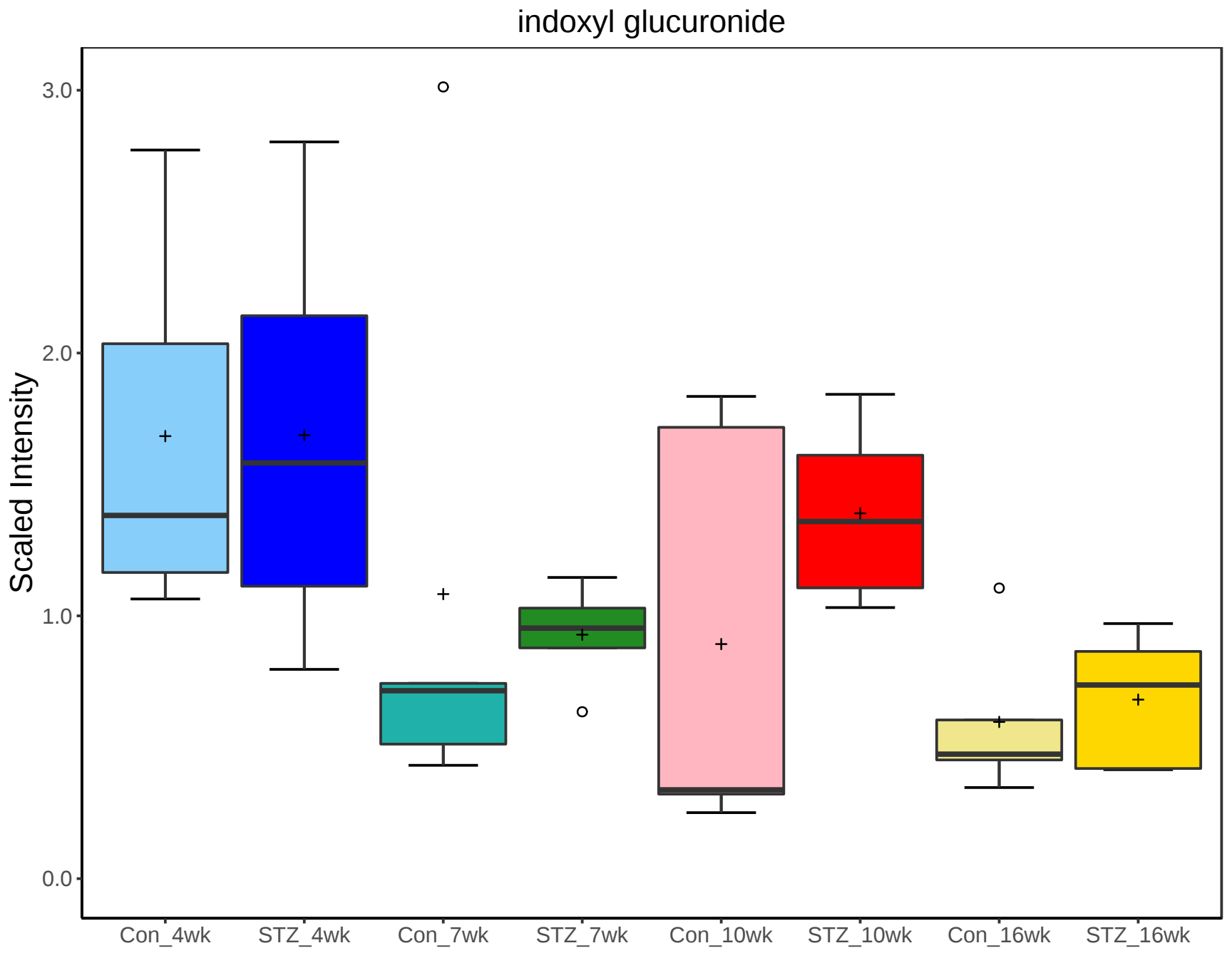

indolepropionate
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

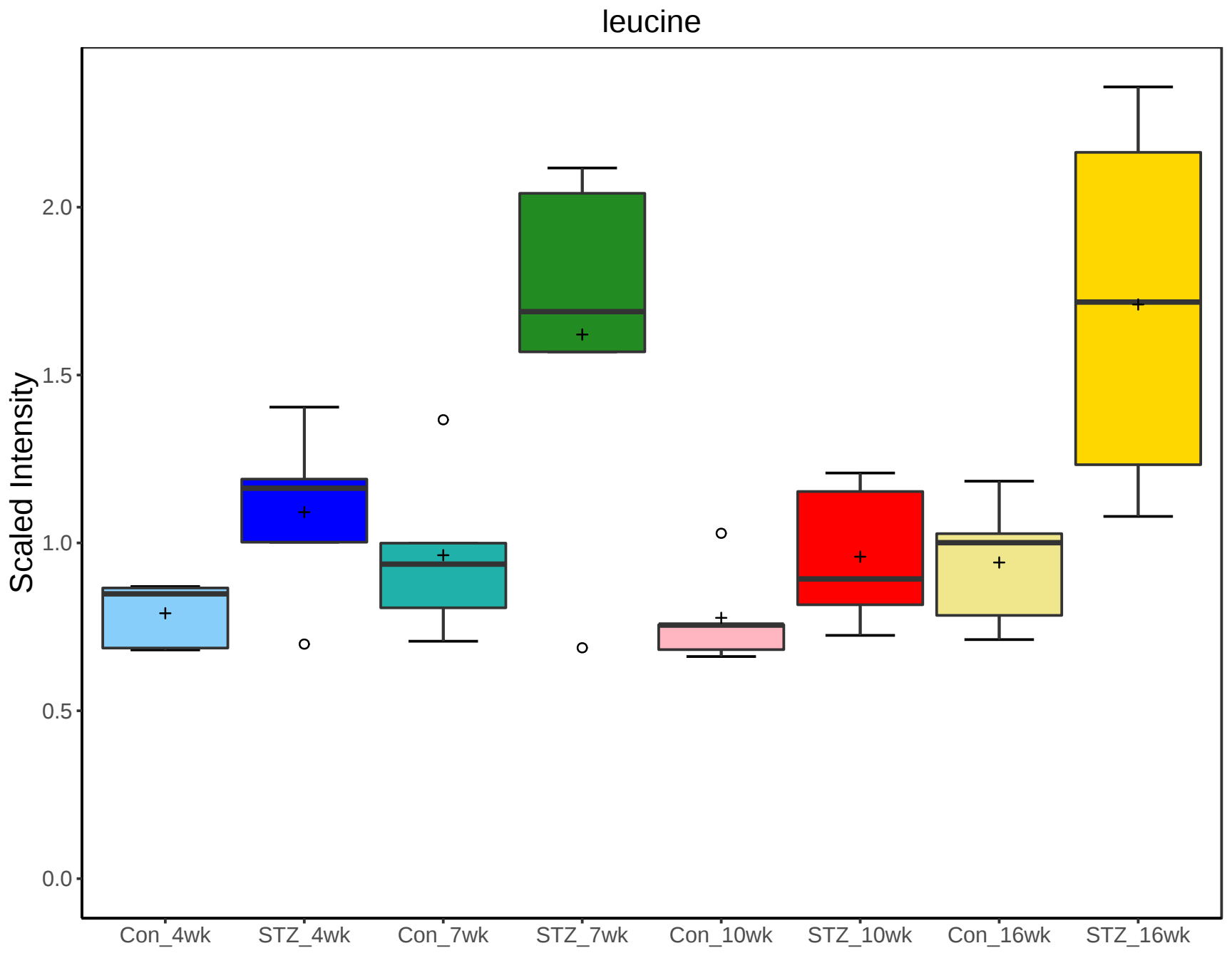

indolepropionylglycine
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

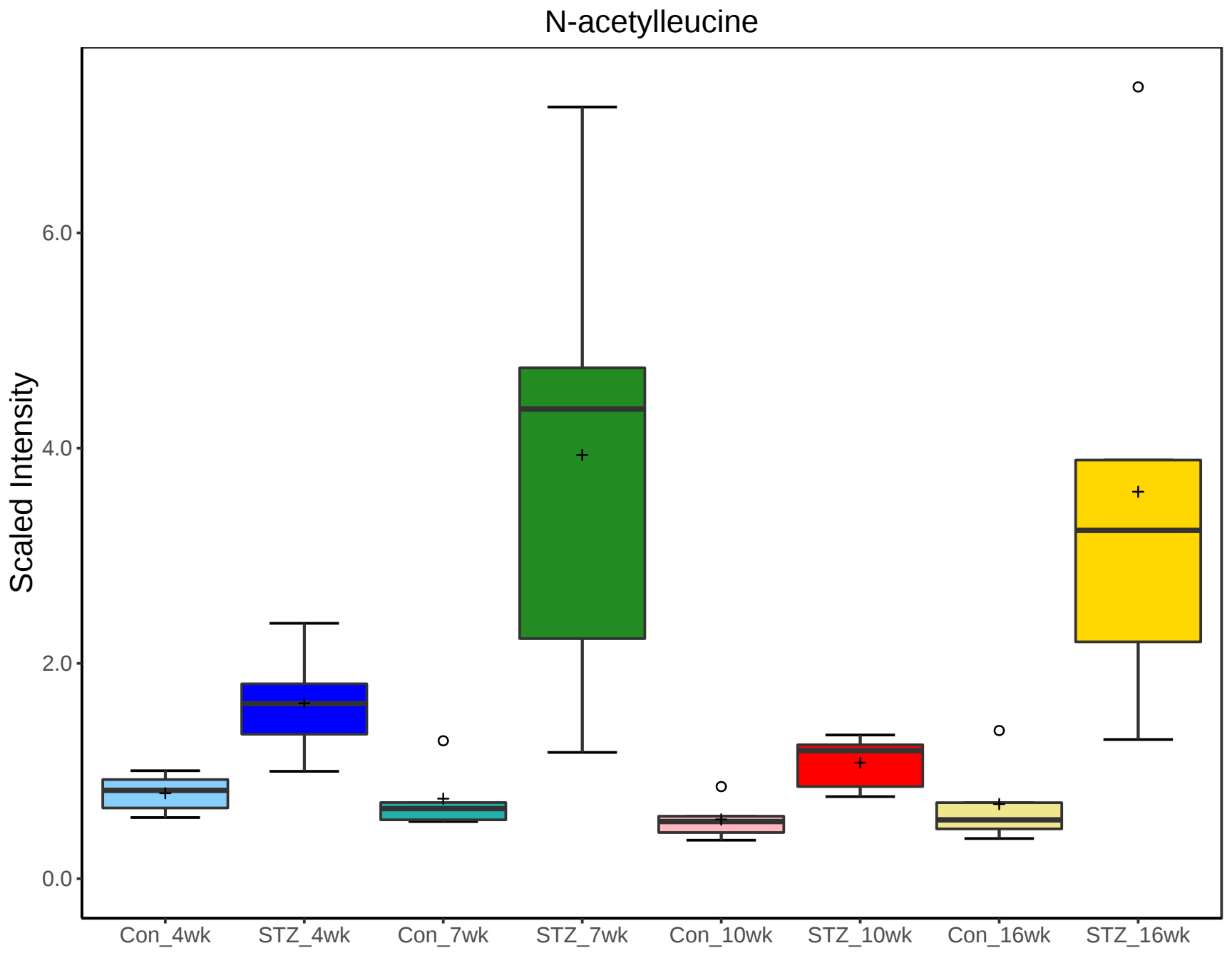

indole-3-carboxylate
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

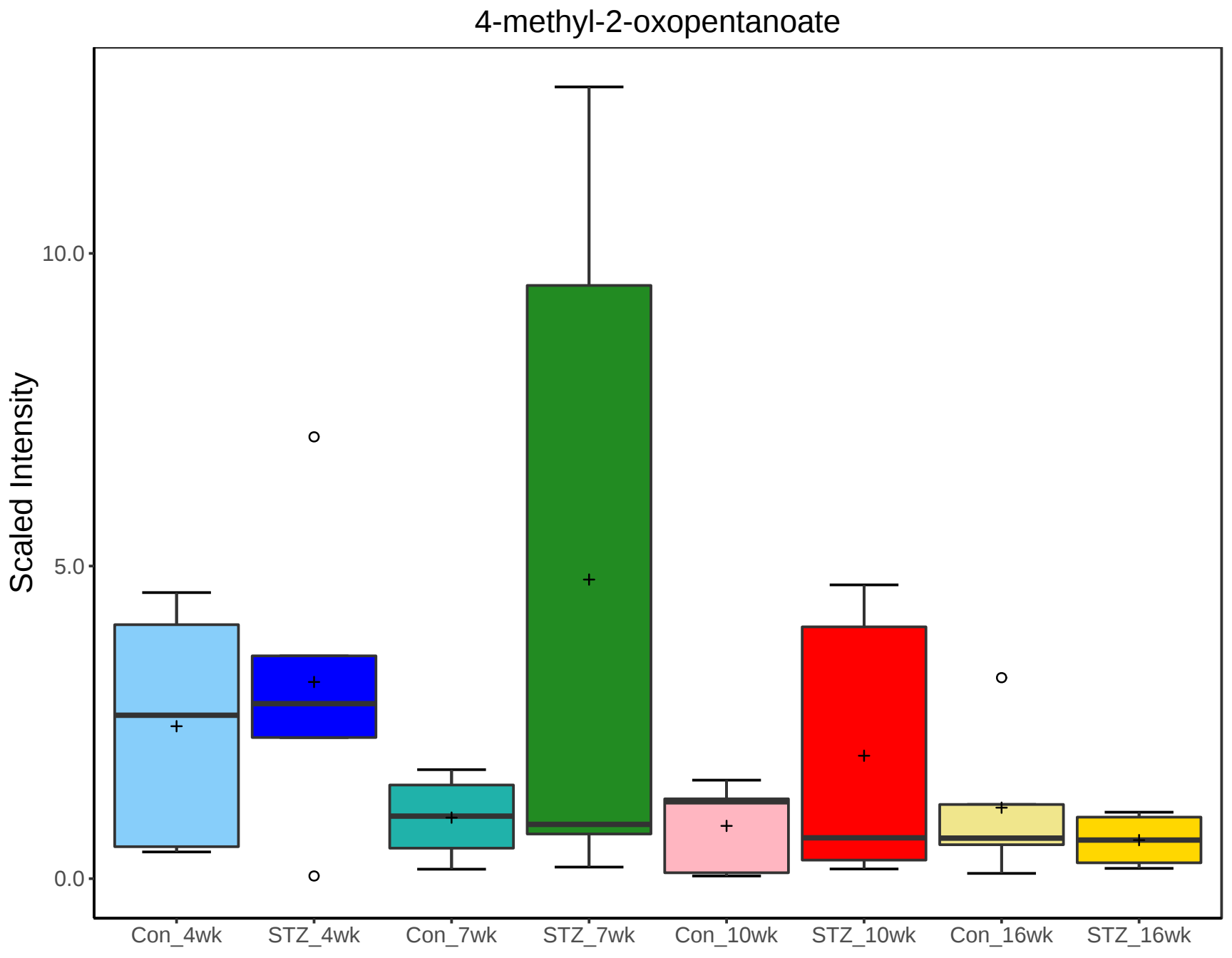

indoleacetylglycine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

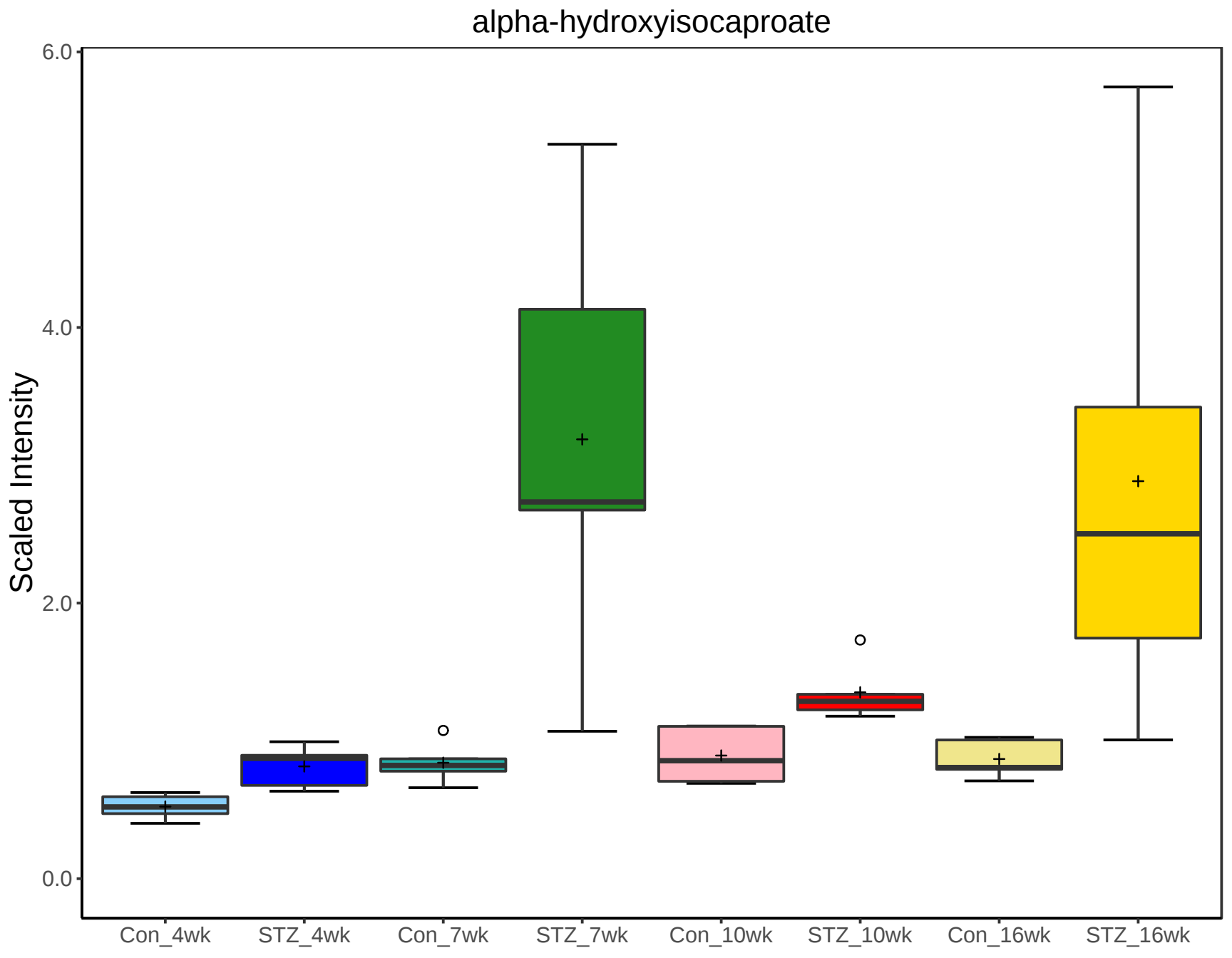

3-indoxyl sulfate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

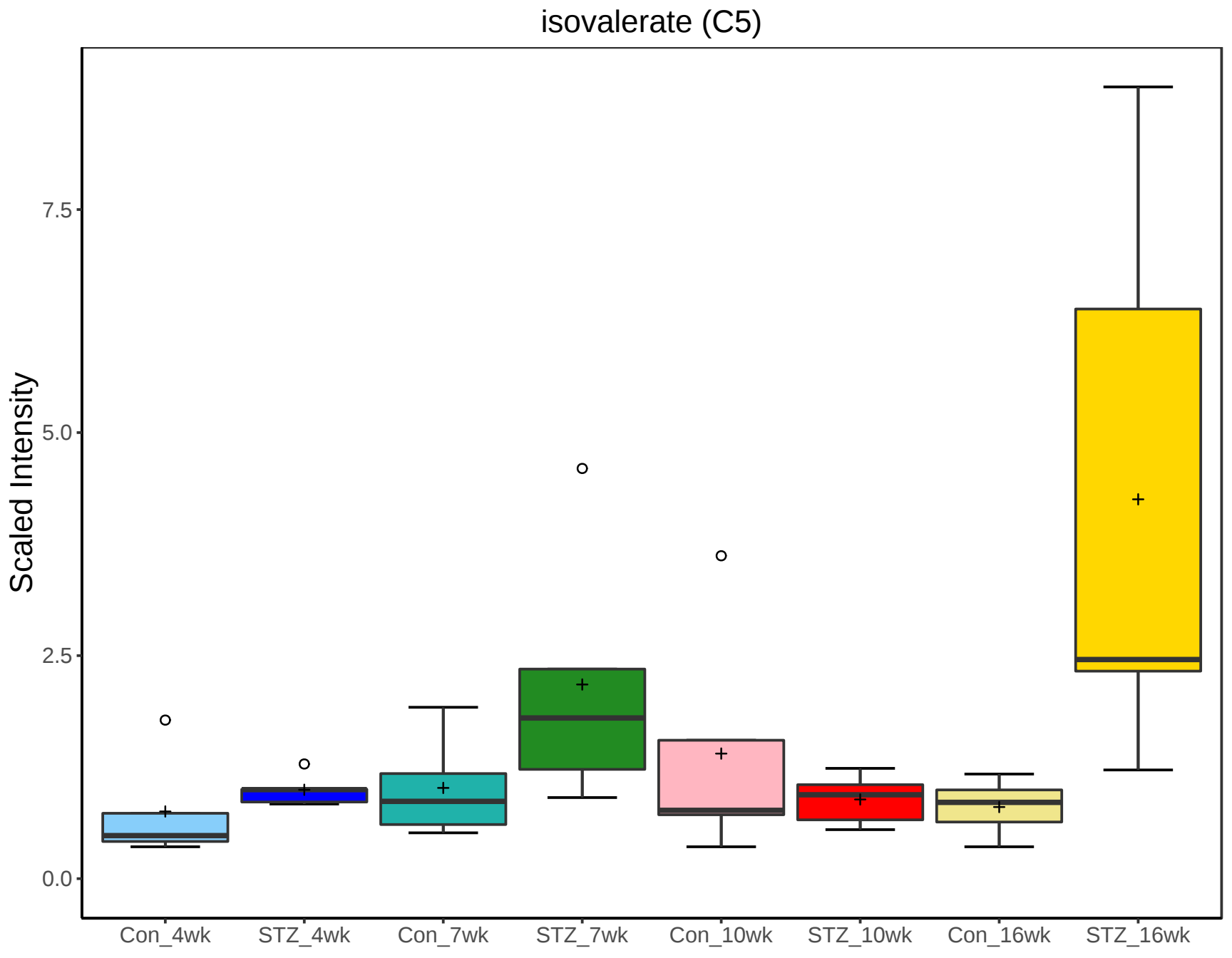

indoxyl glucuronide
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

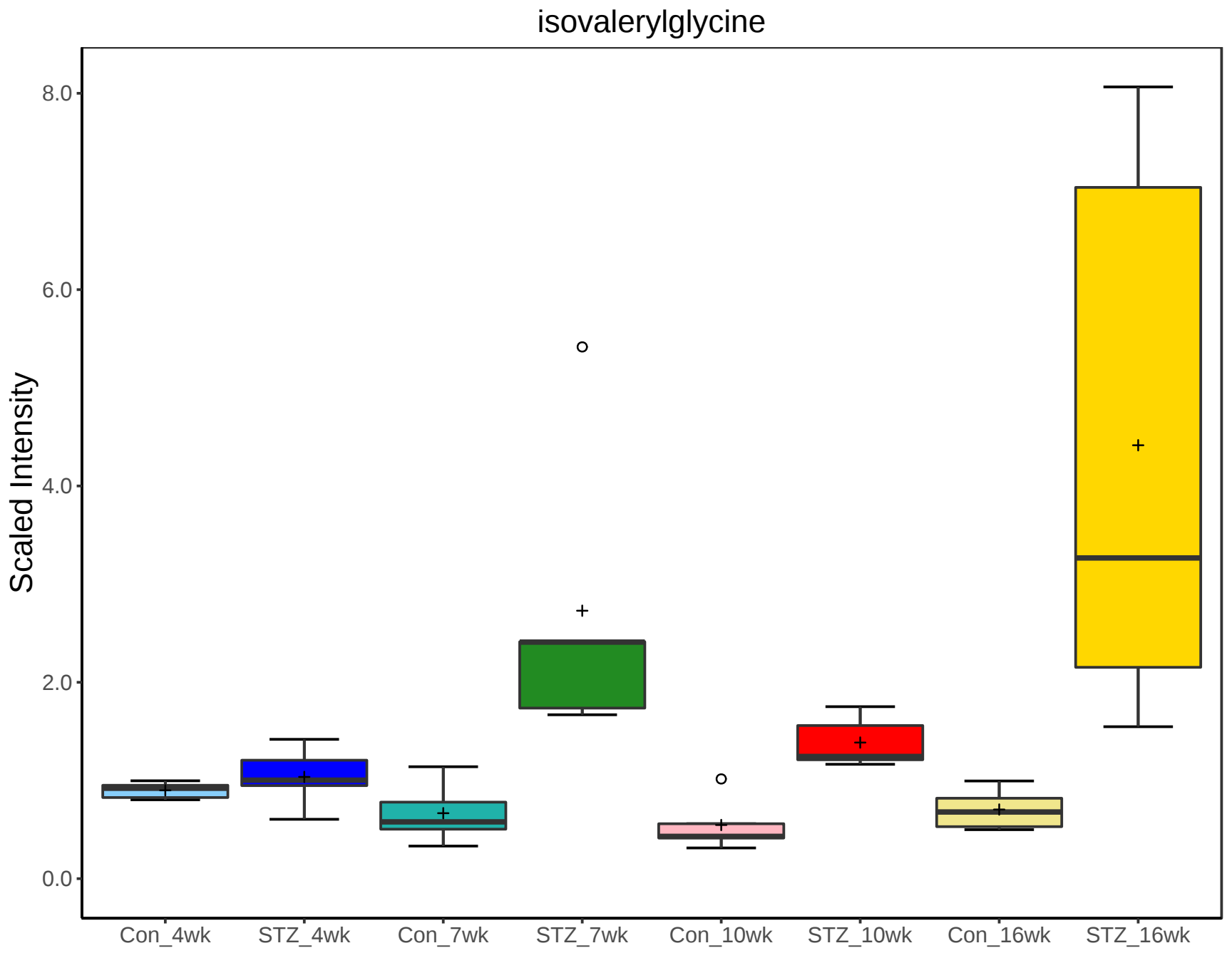

leucine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

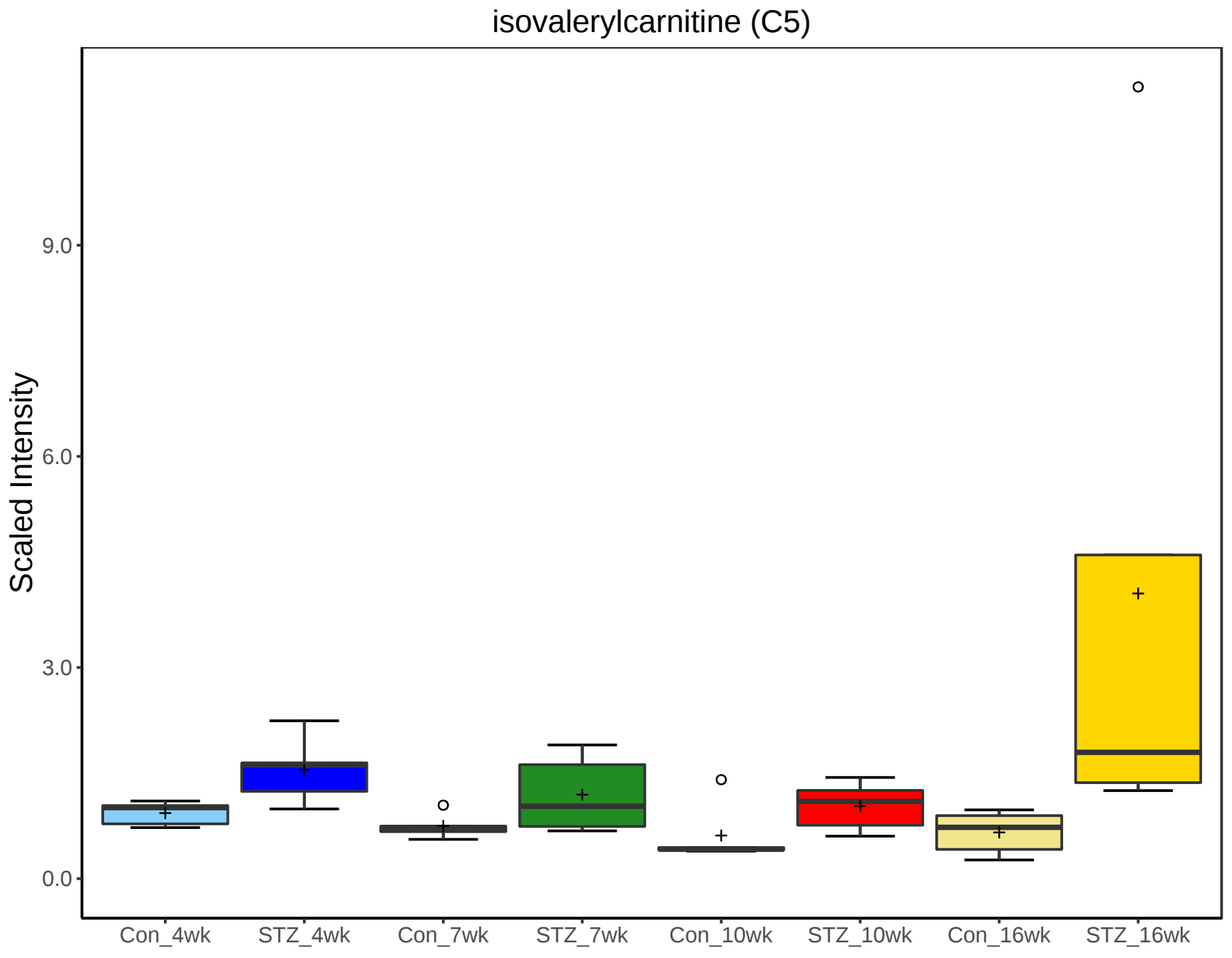

N-acetylleucine
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

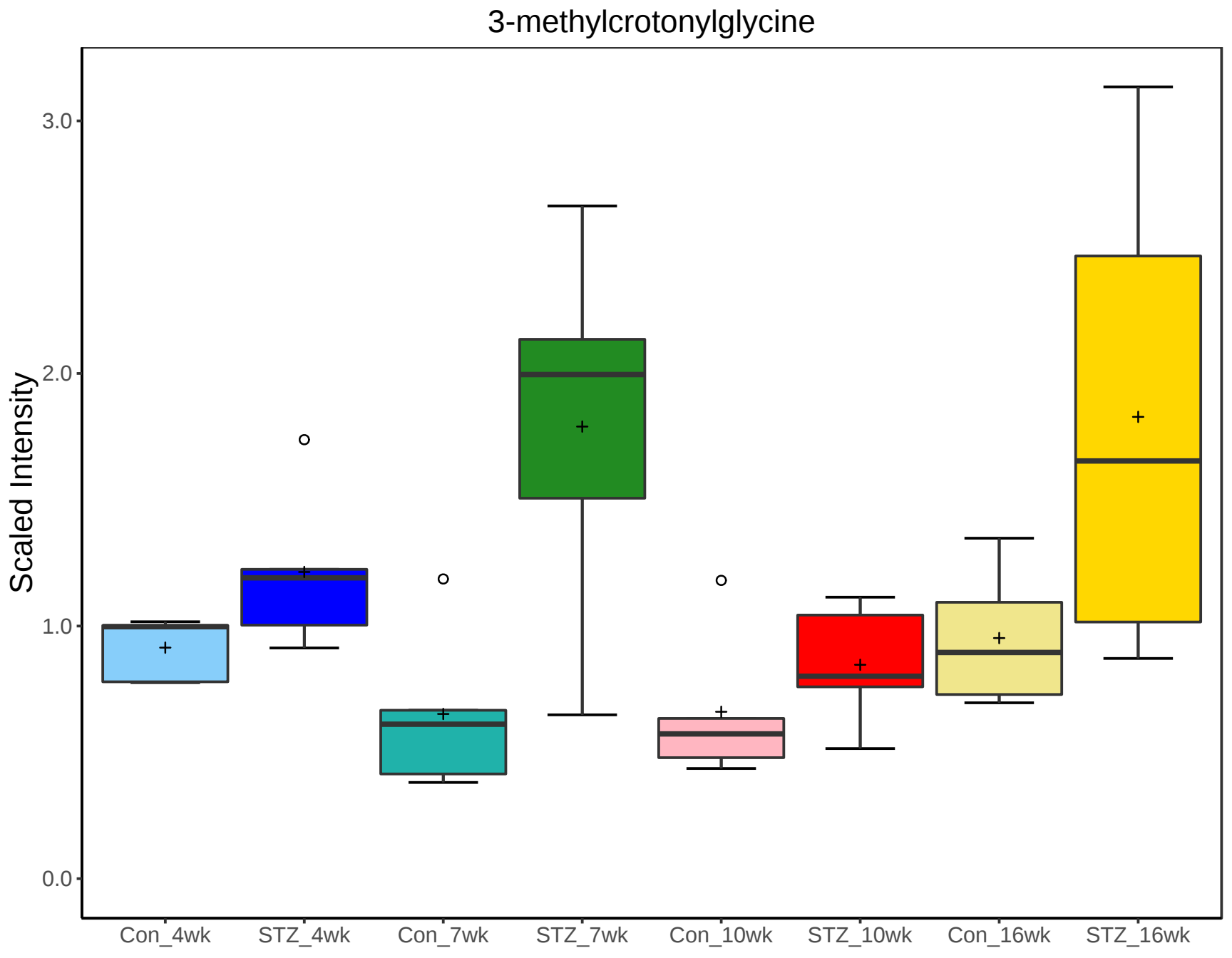

4-methyl-2-oxopentanoate
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

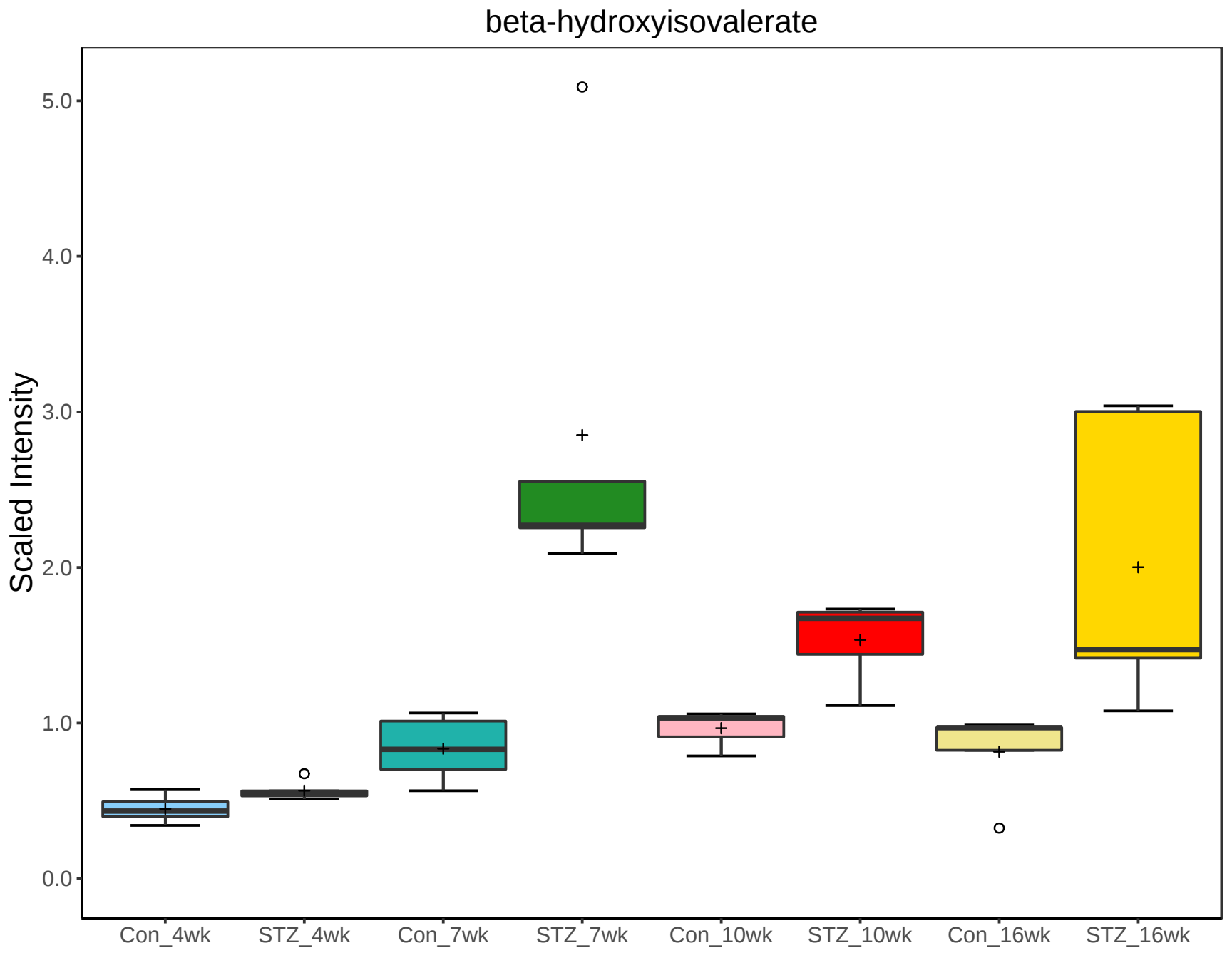

alpha-hydroxyisocaproate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

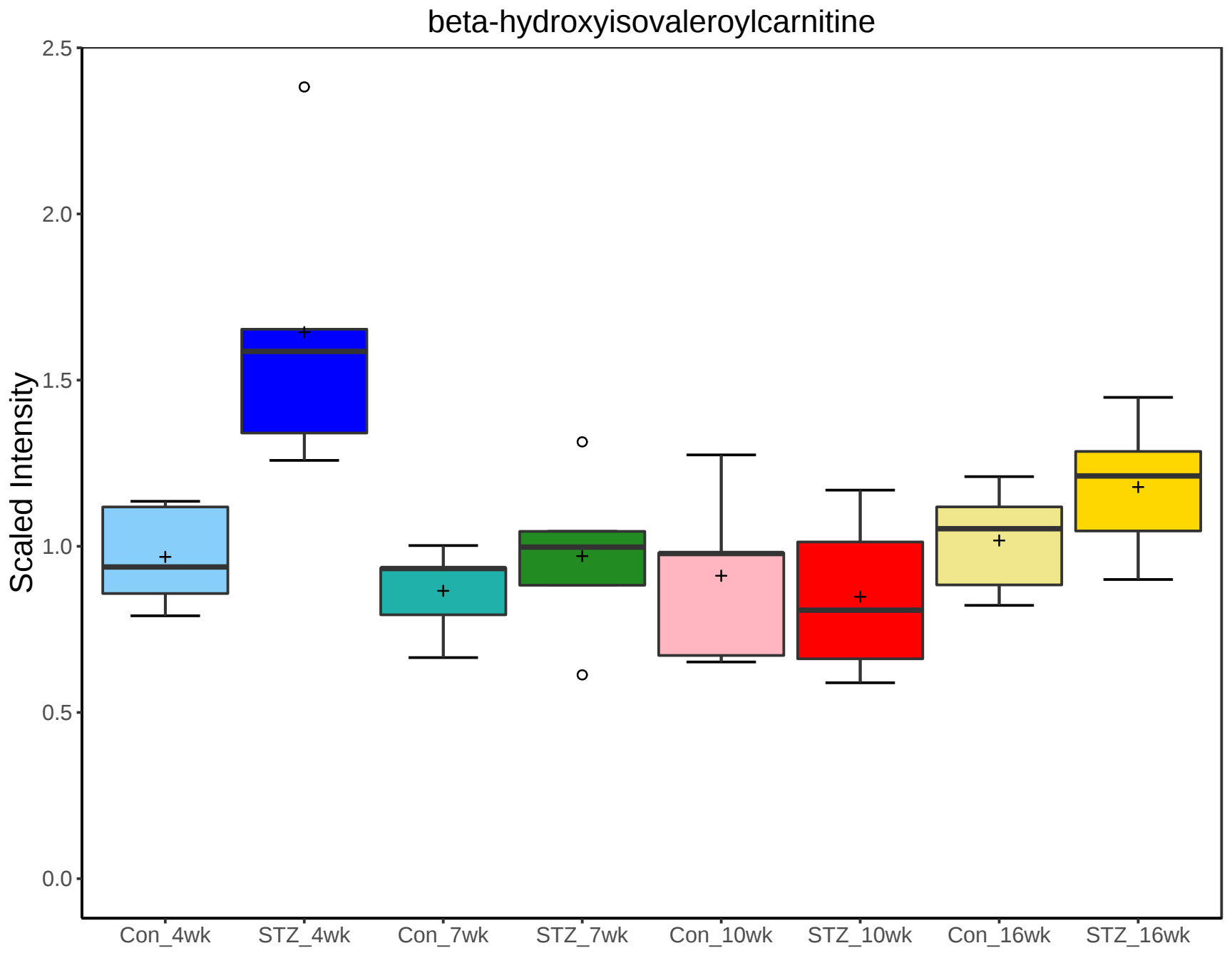

isovalerate (C5)
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

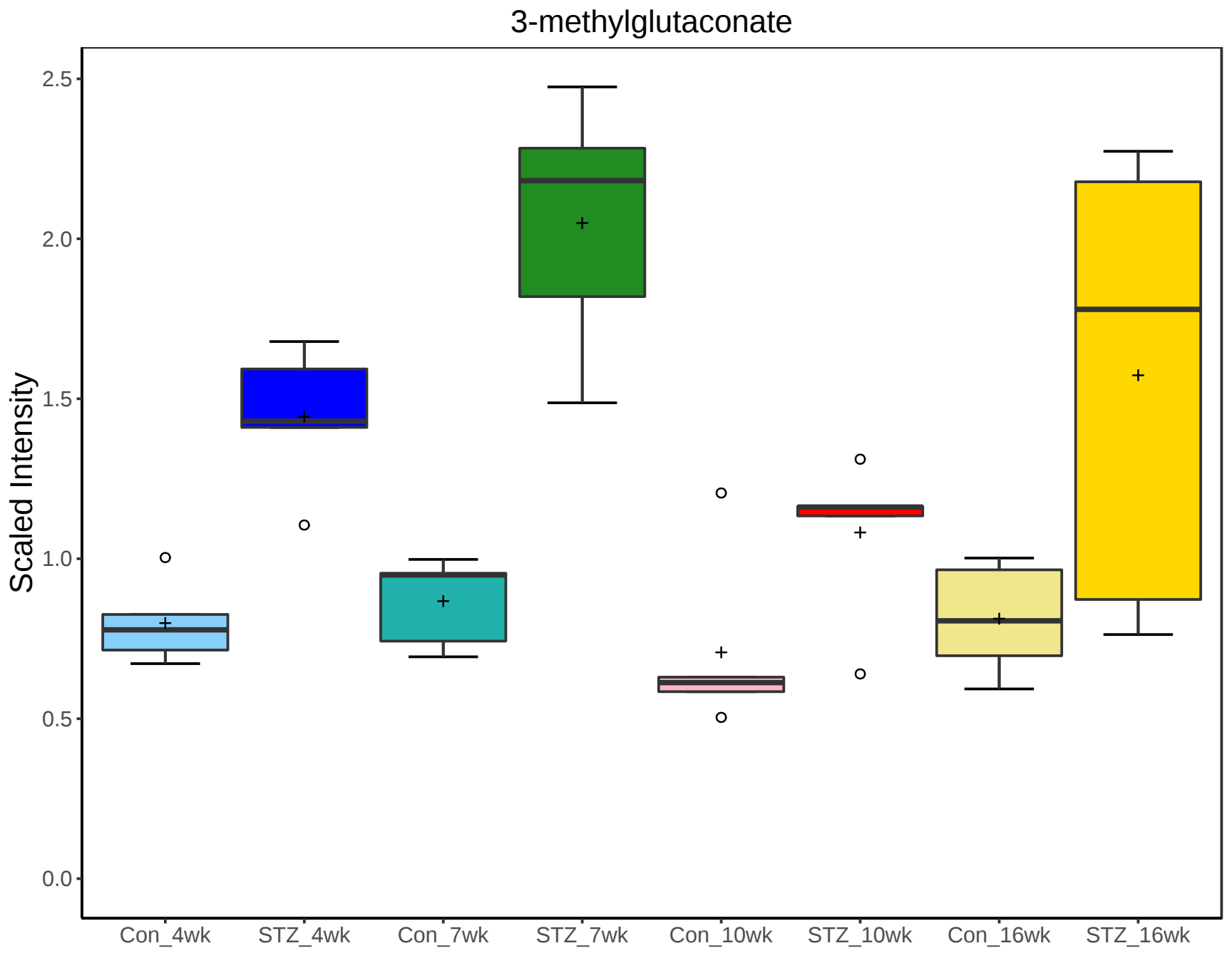

isovalerylglycine
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

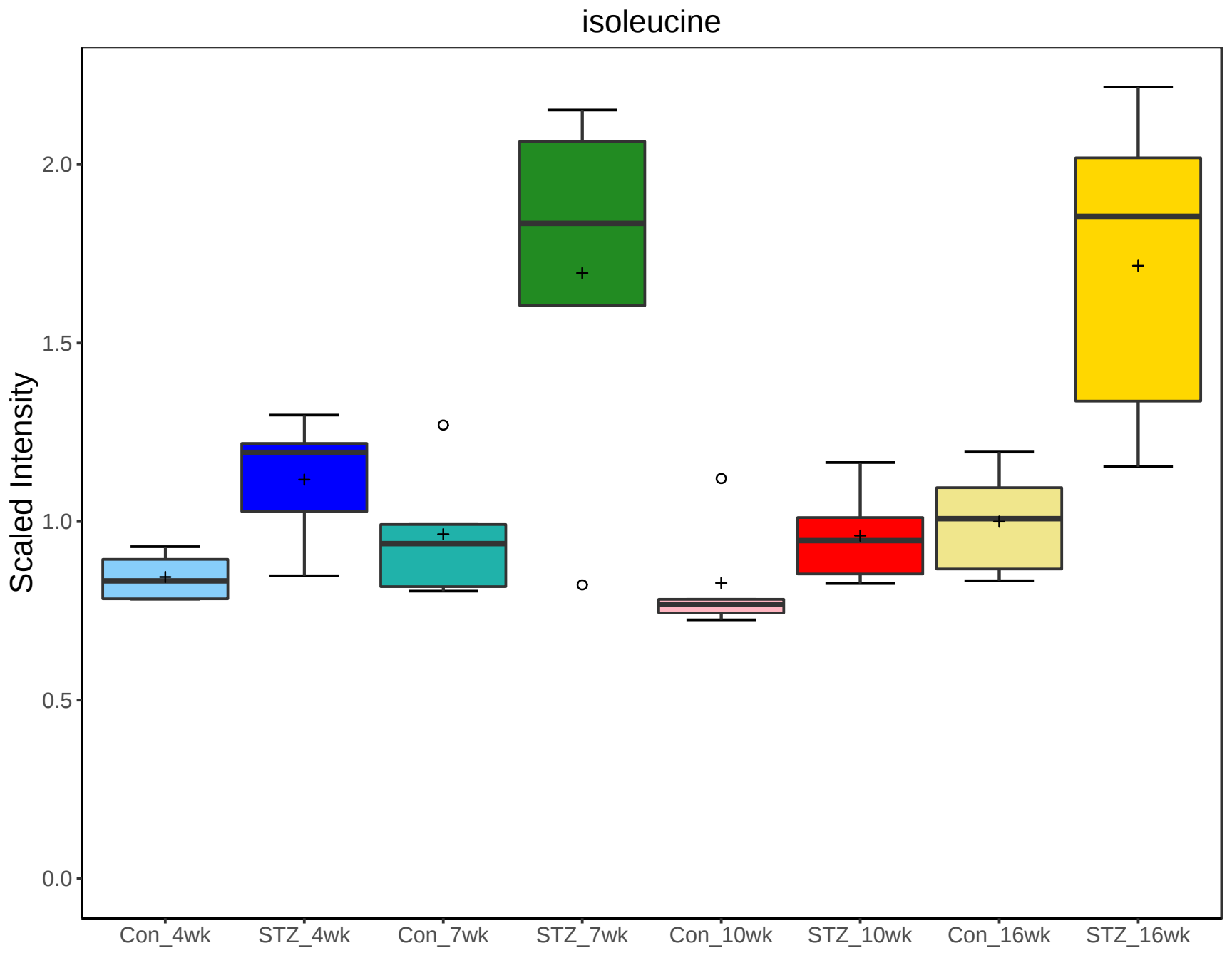

isovalerylcarnitine (C5)
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

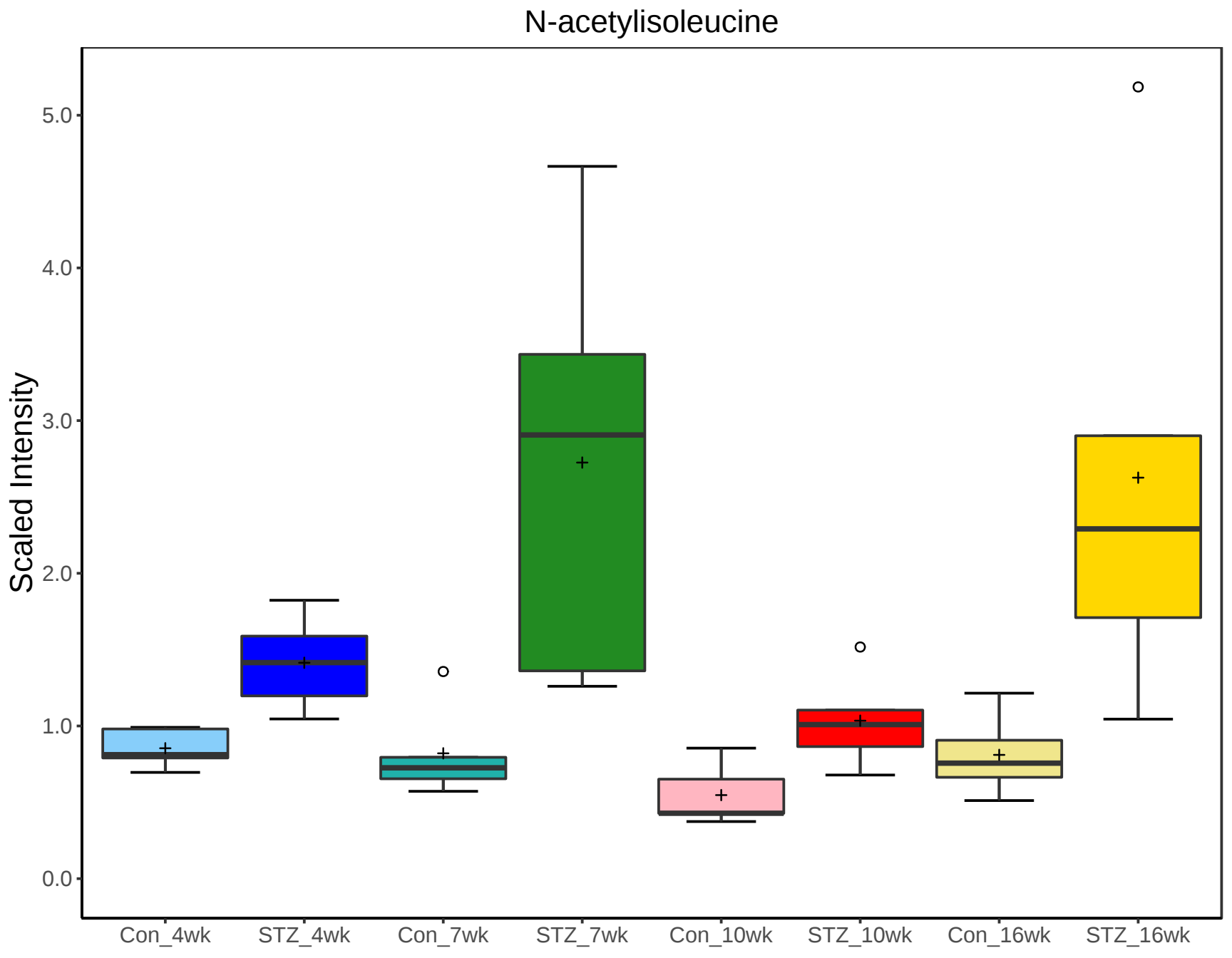

3-methylcrotonylglycine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

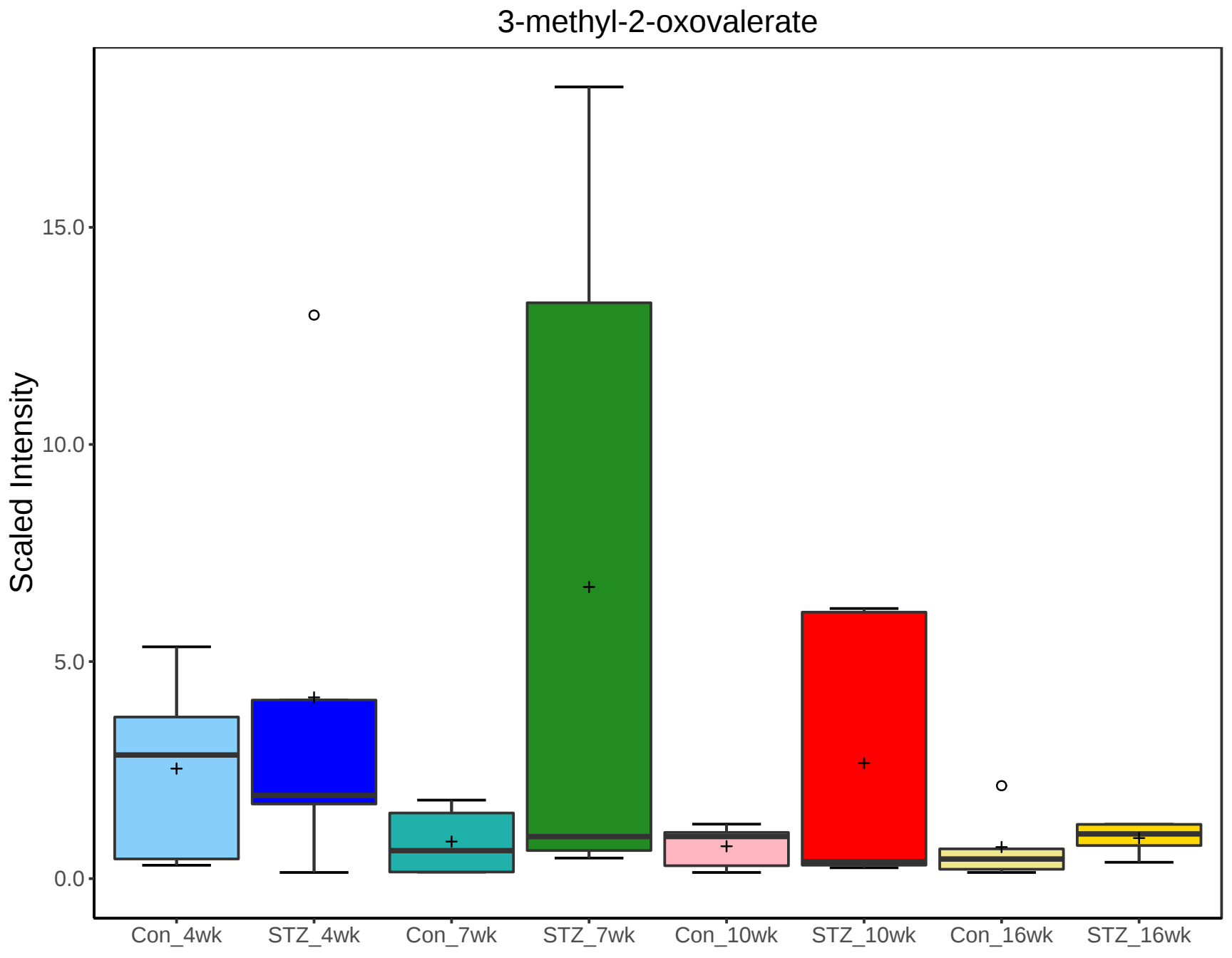

beta-hydroxyisovalerate
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

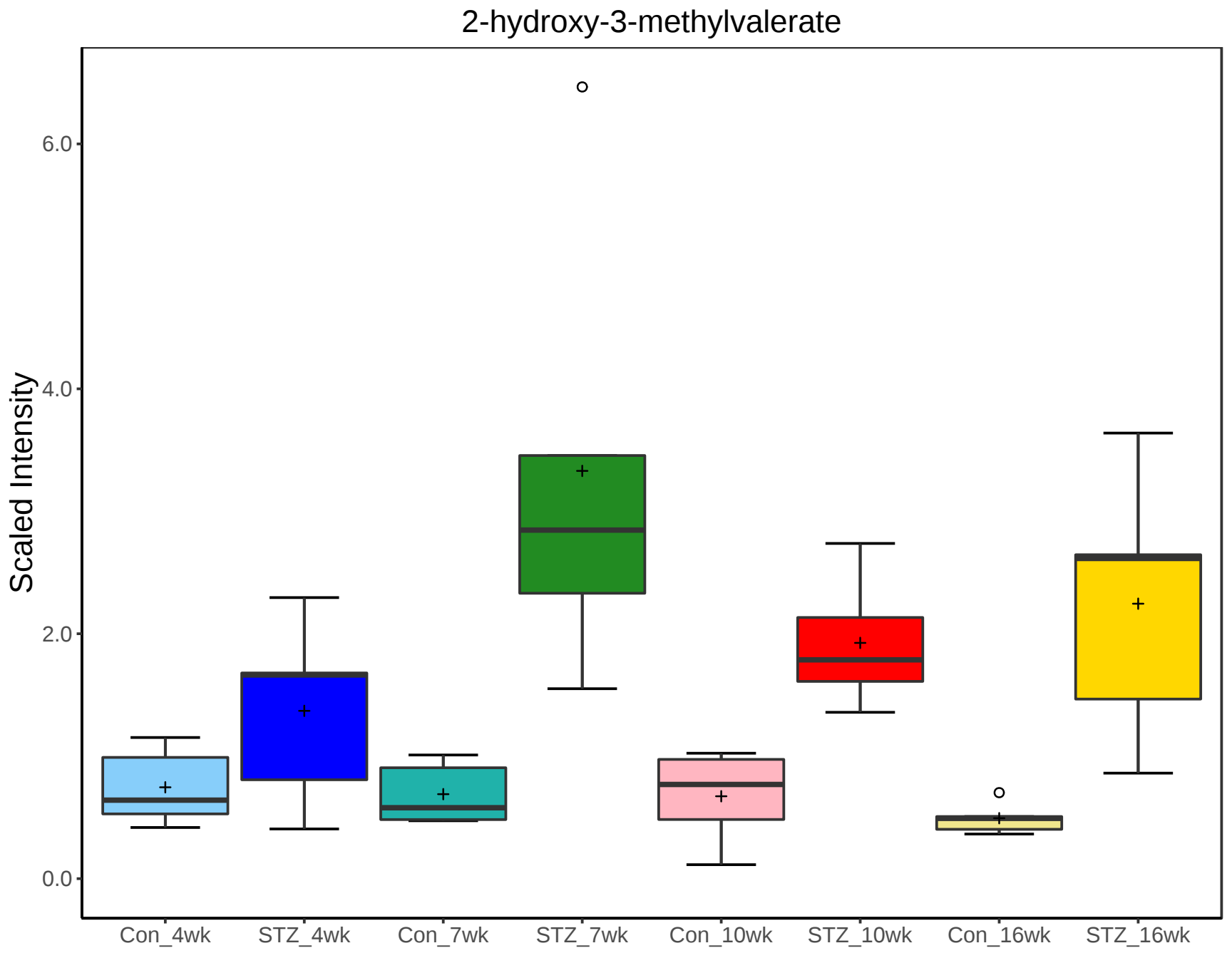

beta-hydroxyisovaleroylcarnitine
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

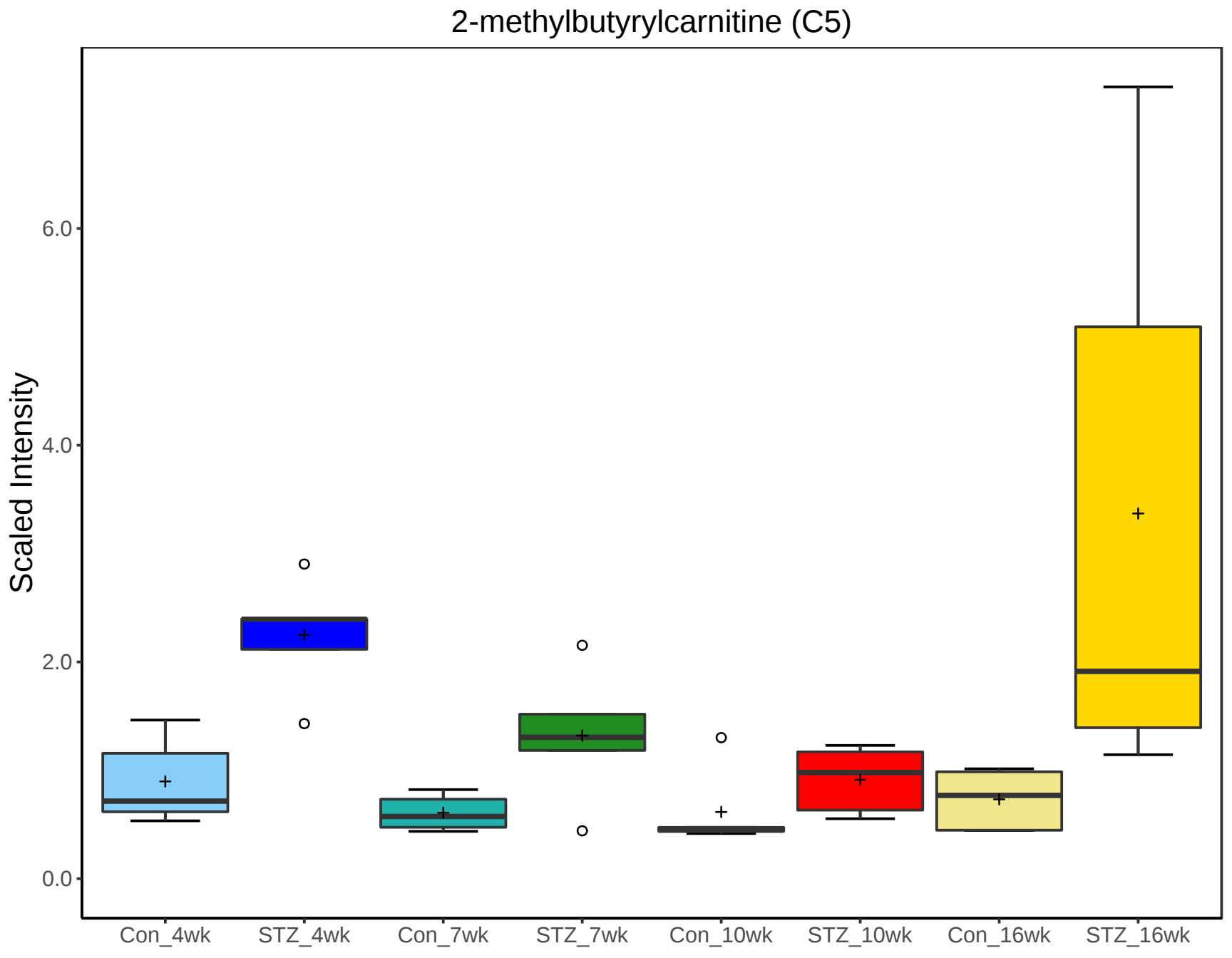

3-methylglutaconate
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

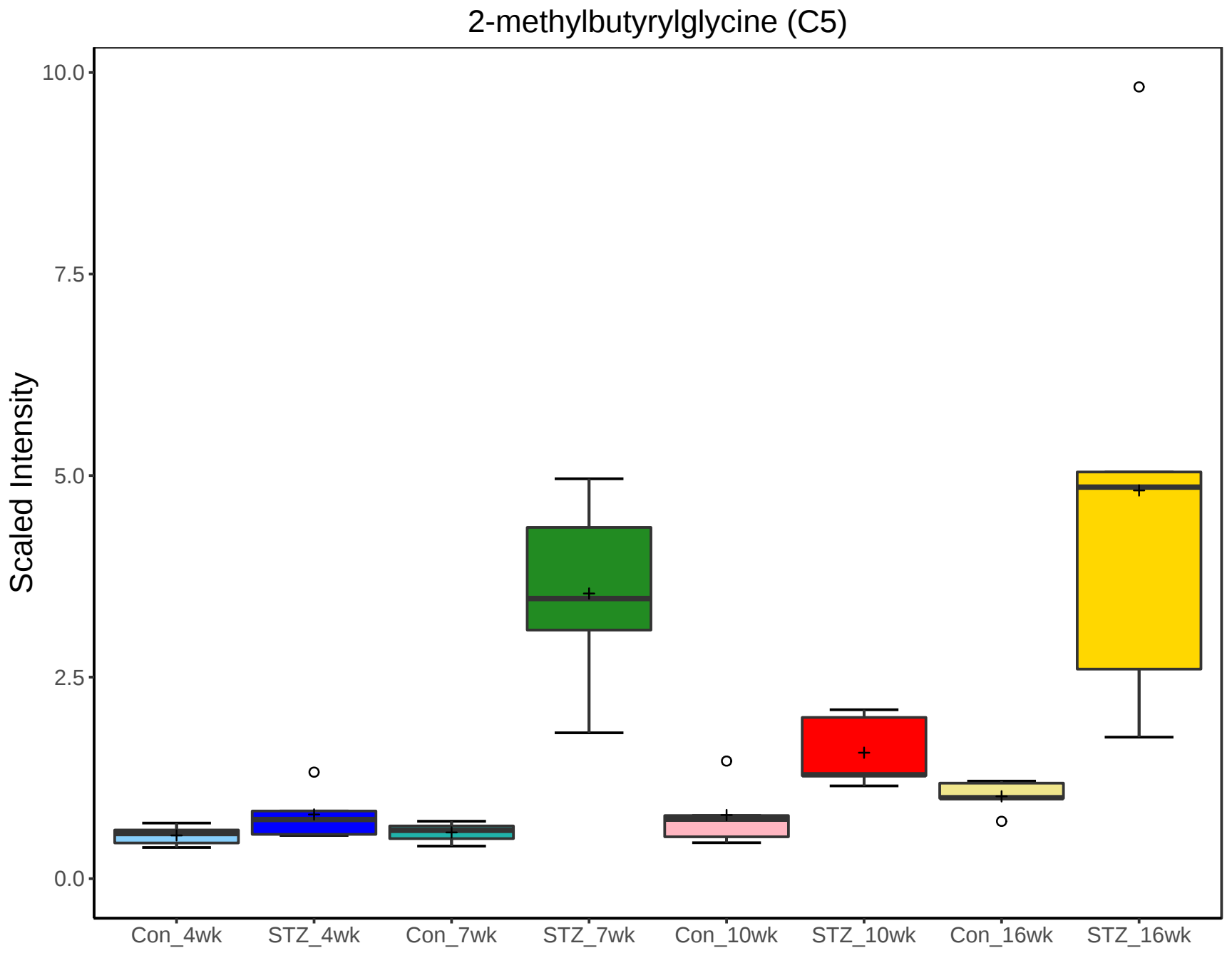

isoleucine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

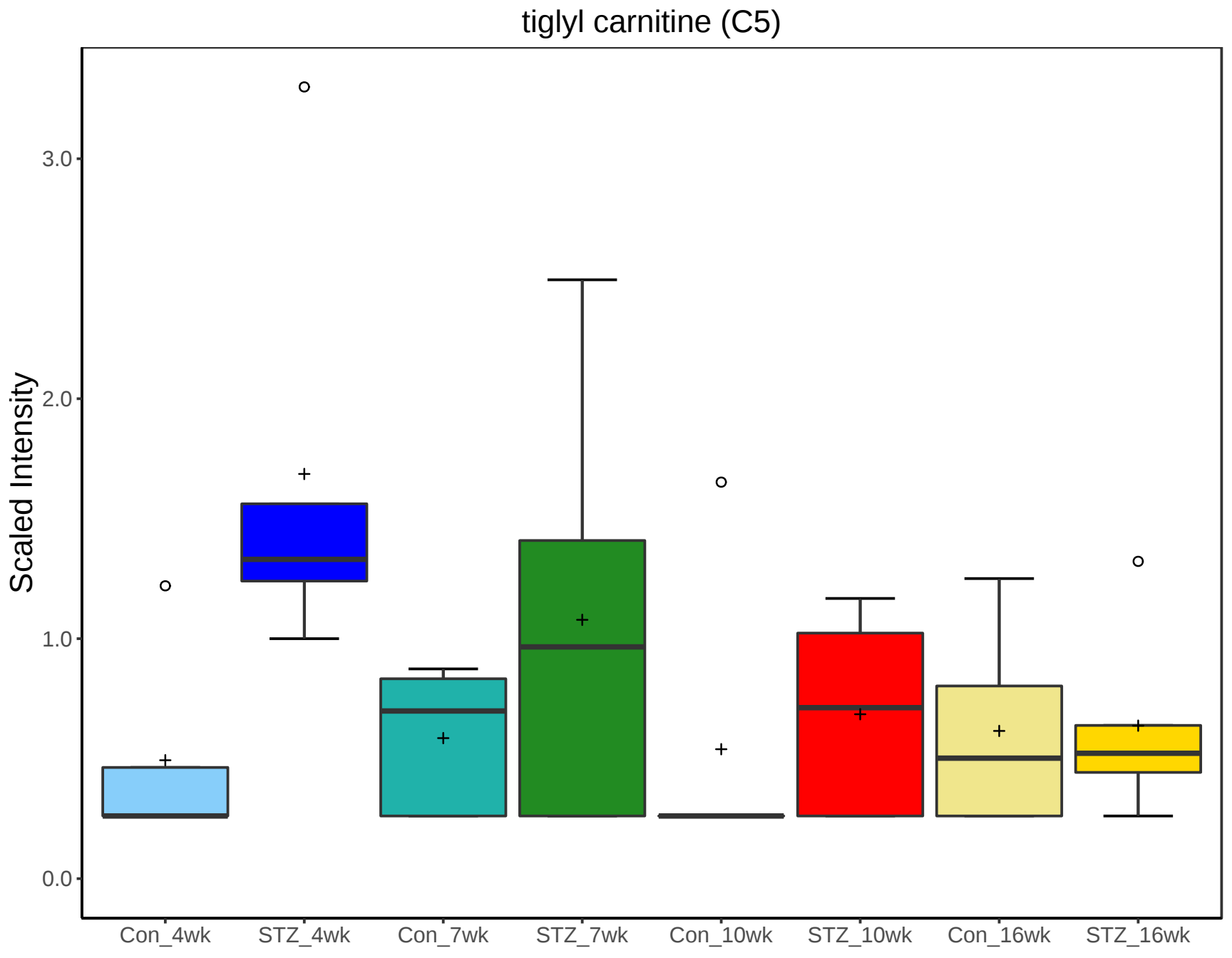

N-acetylisoleucine
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

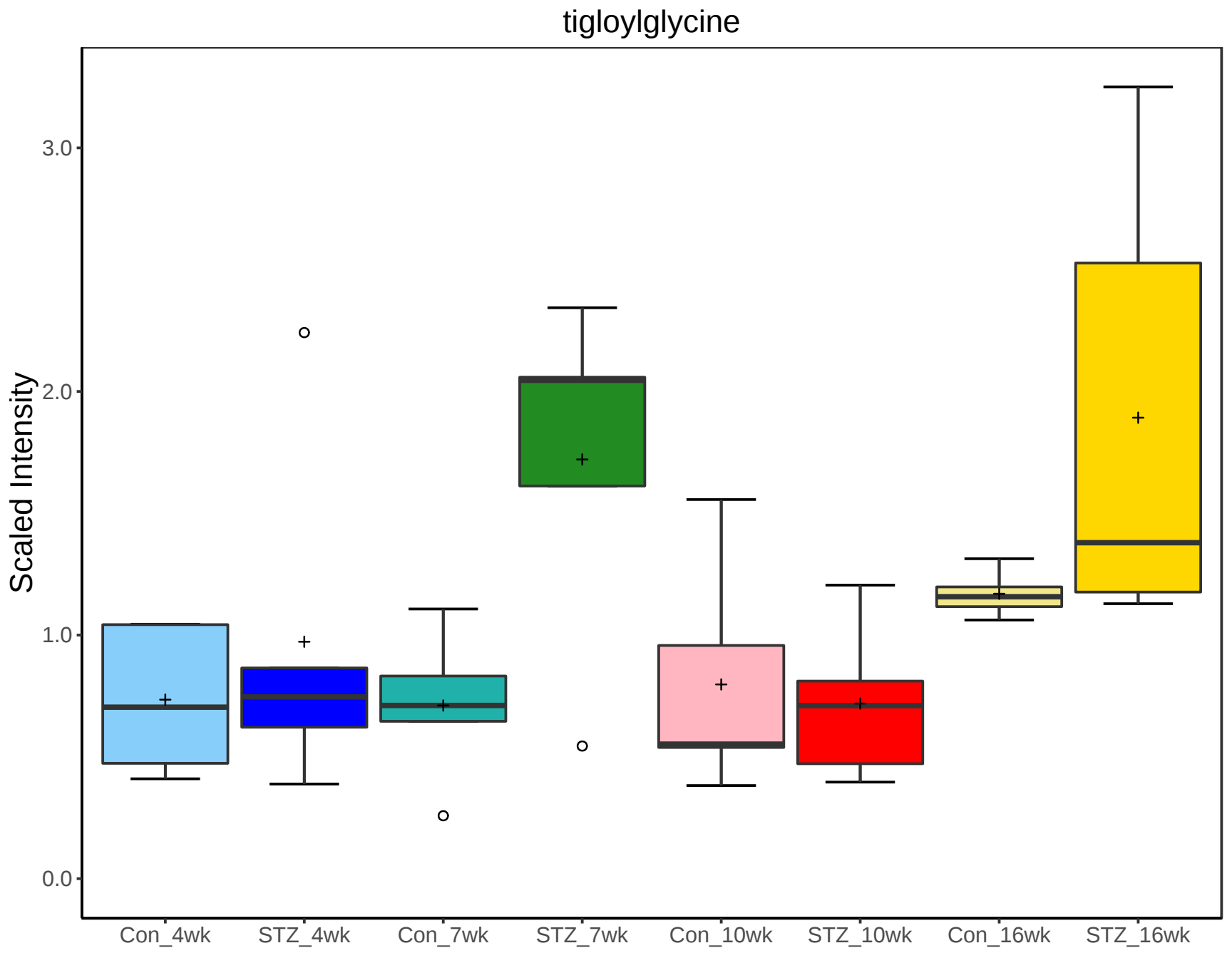

3-methyl-2-oxovalerate
Scaled Intensity
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

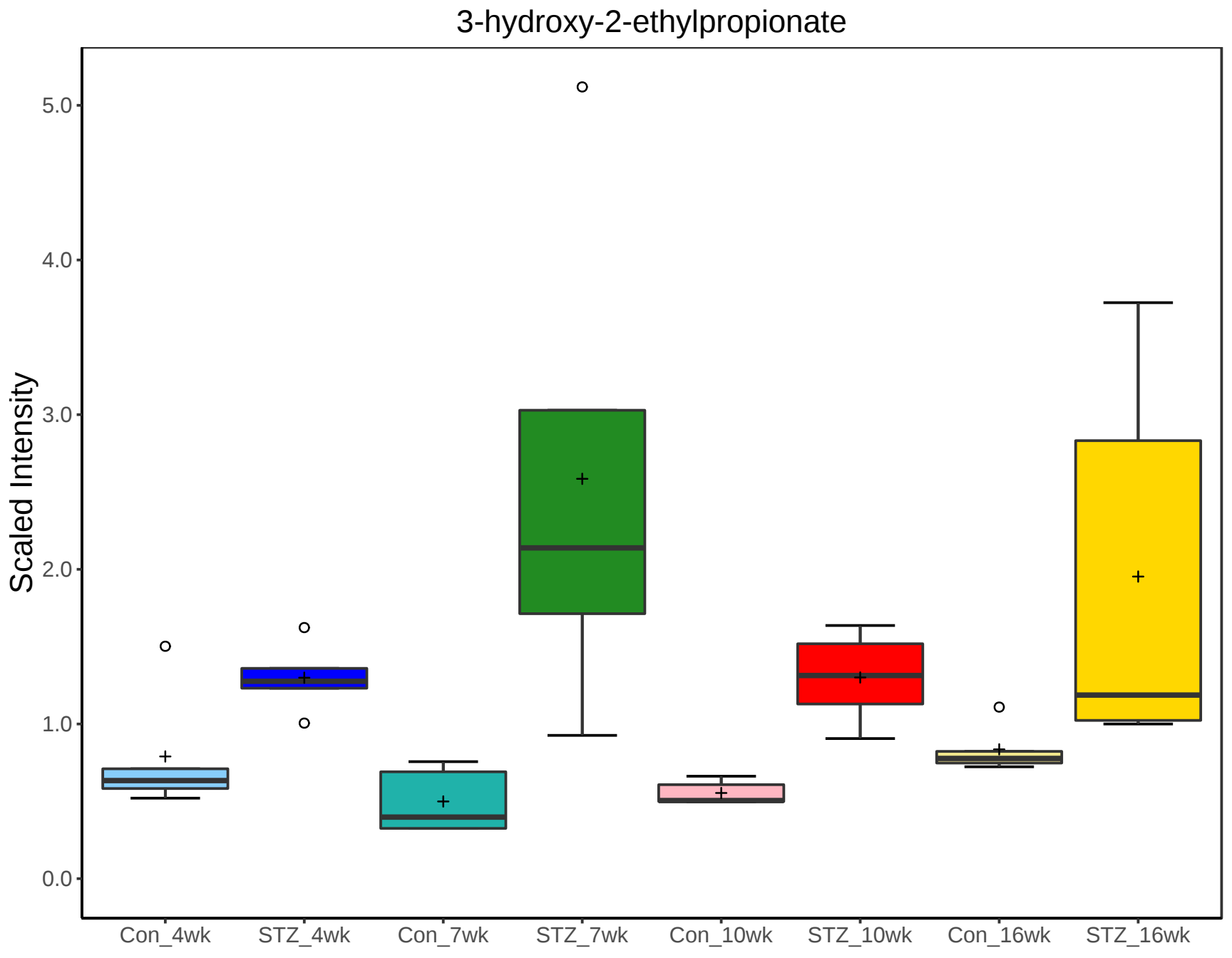

2-hydroxy-3-methylvalerate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

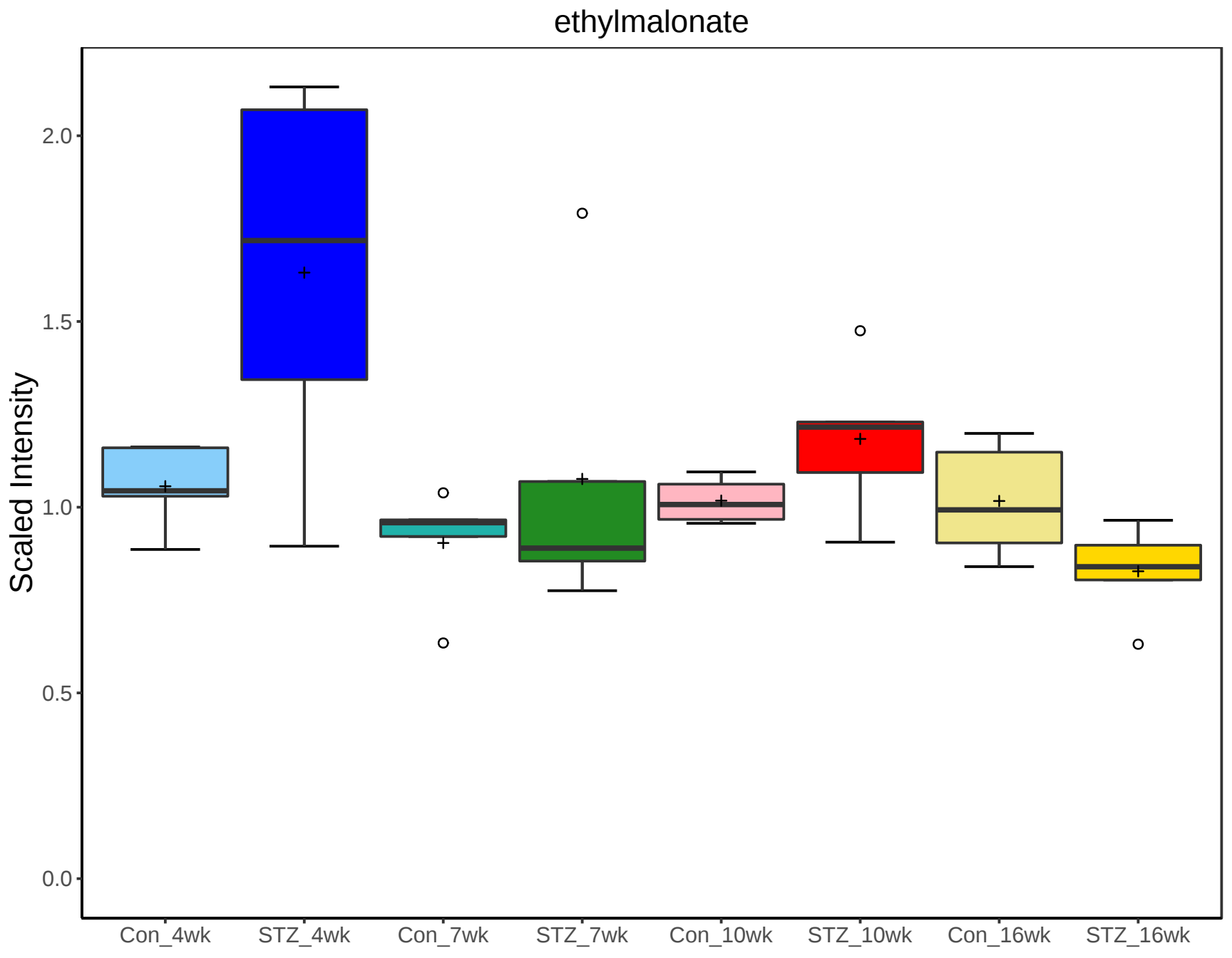

2-methylbutyrylcarnitine (C5)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

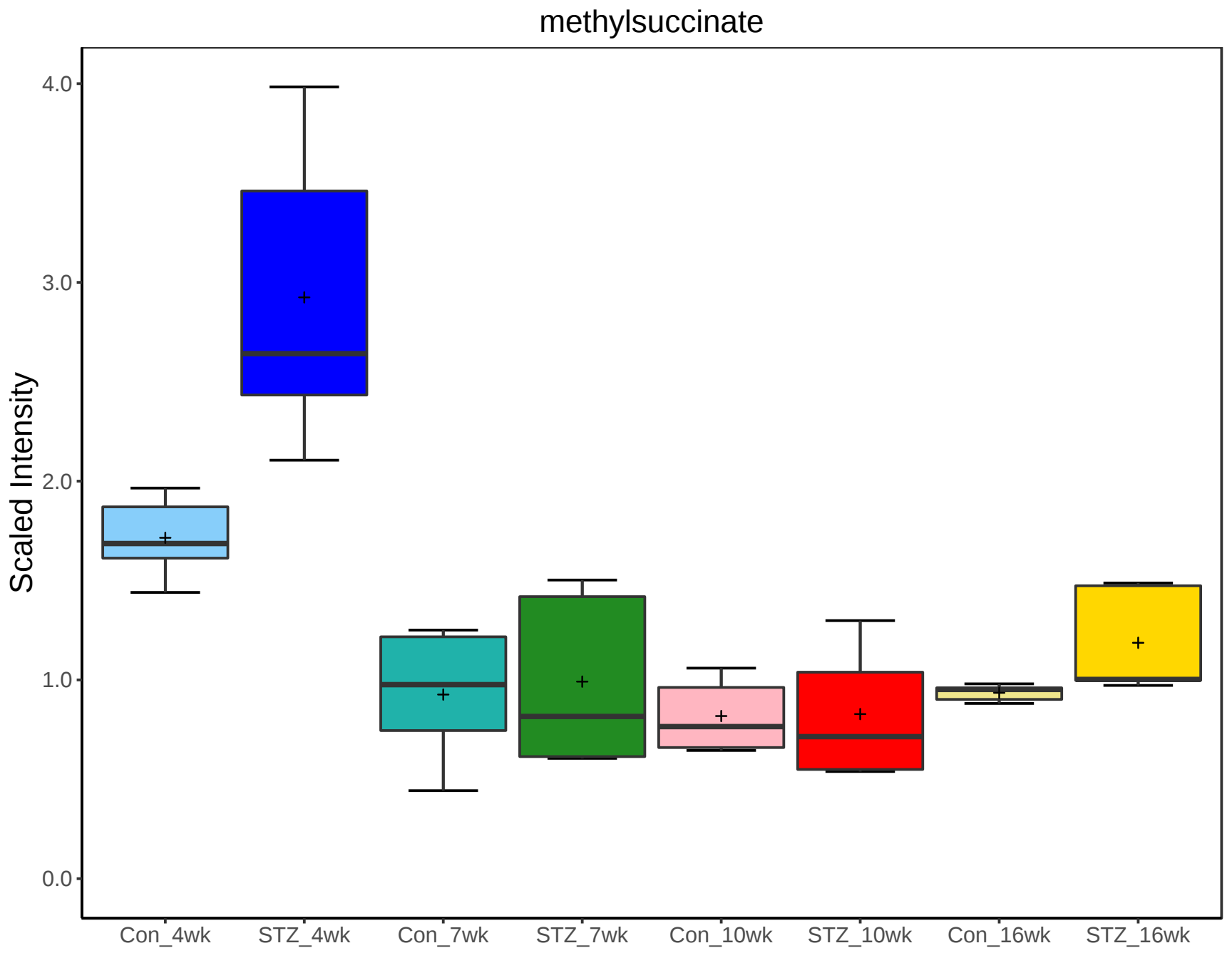

2-methylbutyrylglycine (C5)
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

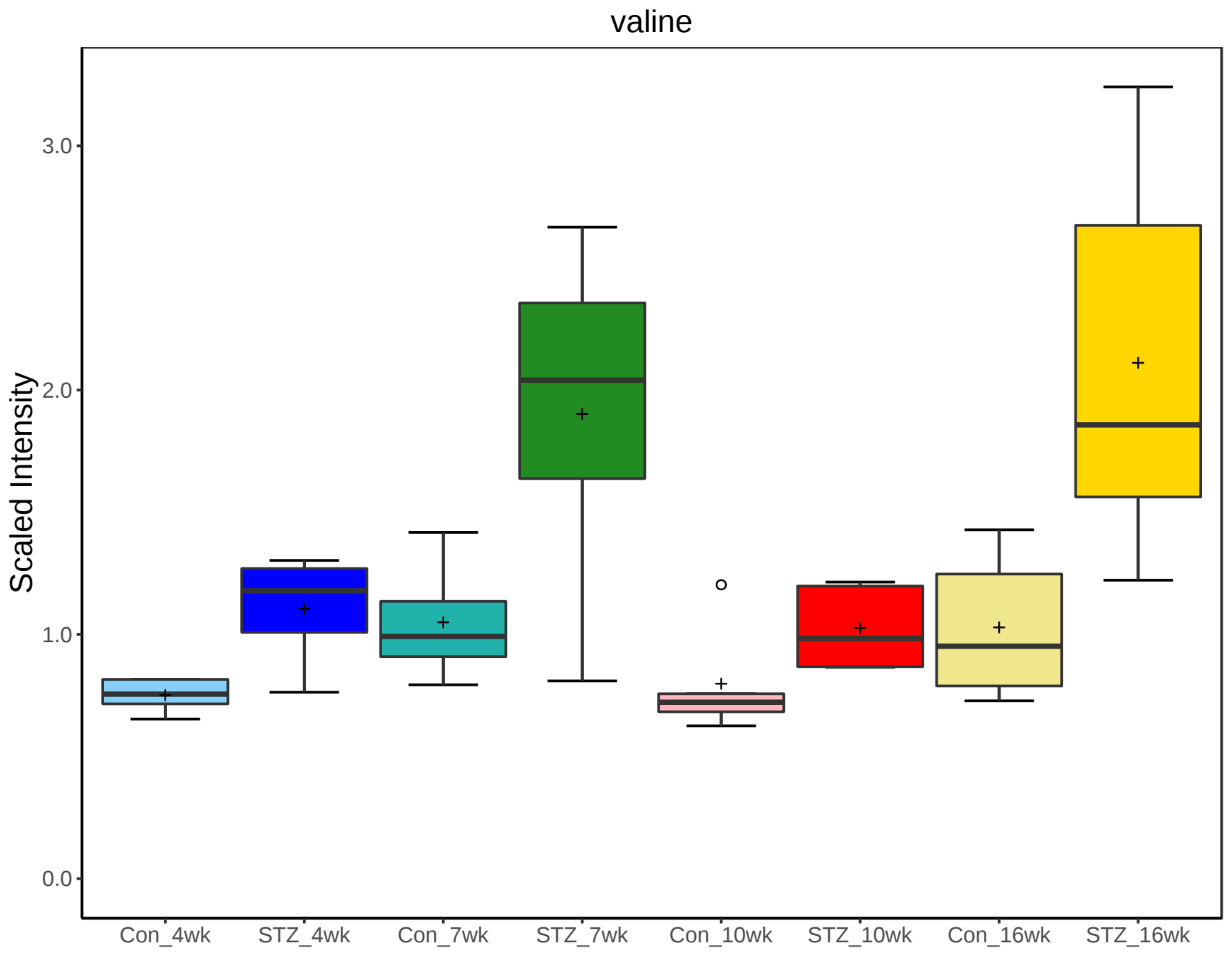

tiglyl carnitine (C5)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

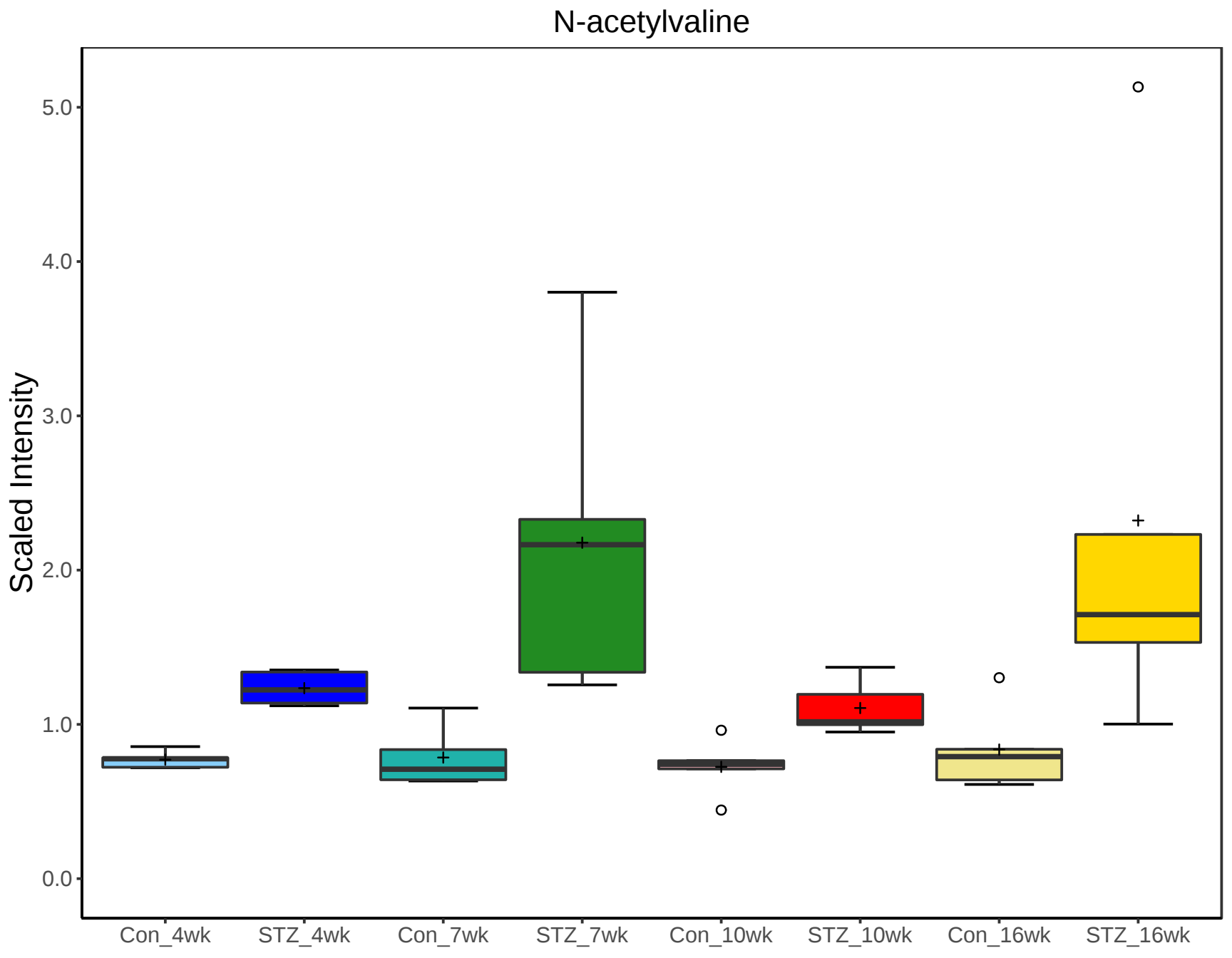

tigloylglycine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

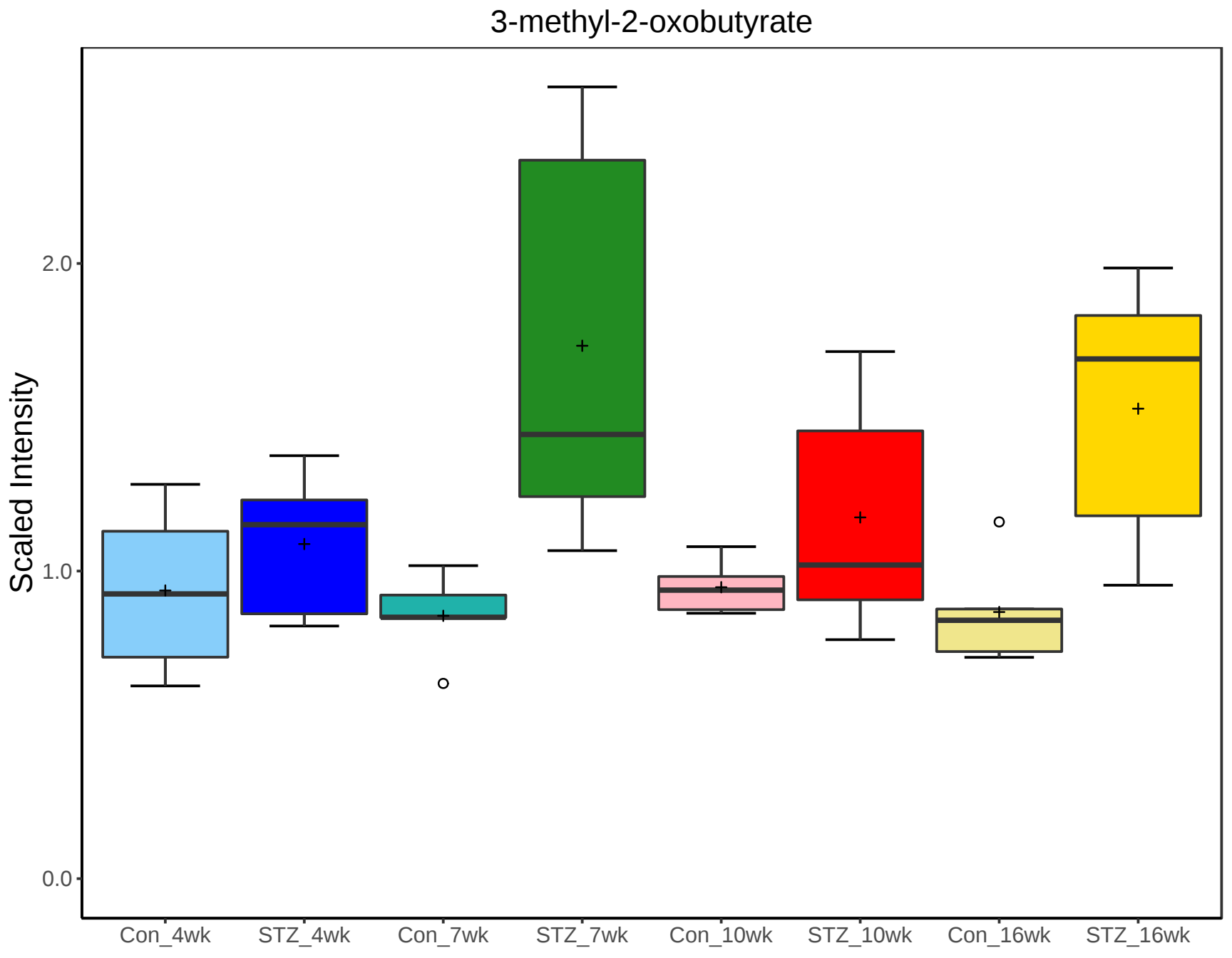

3-hydroxy-2-ethylpropionate
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

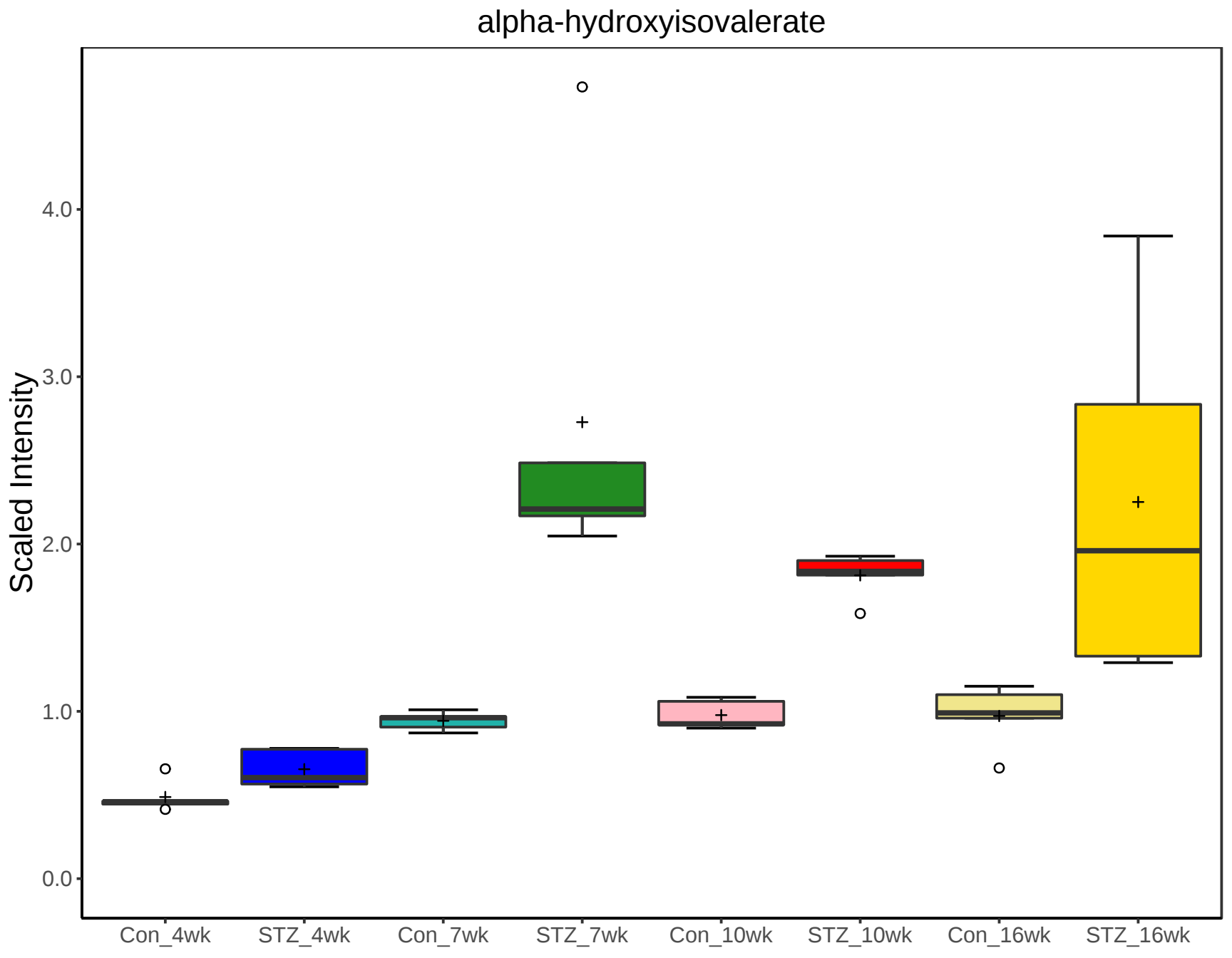

ethylmalonate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

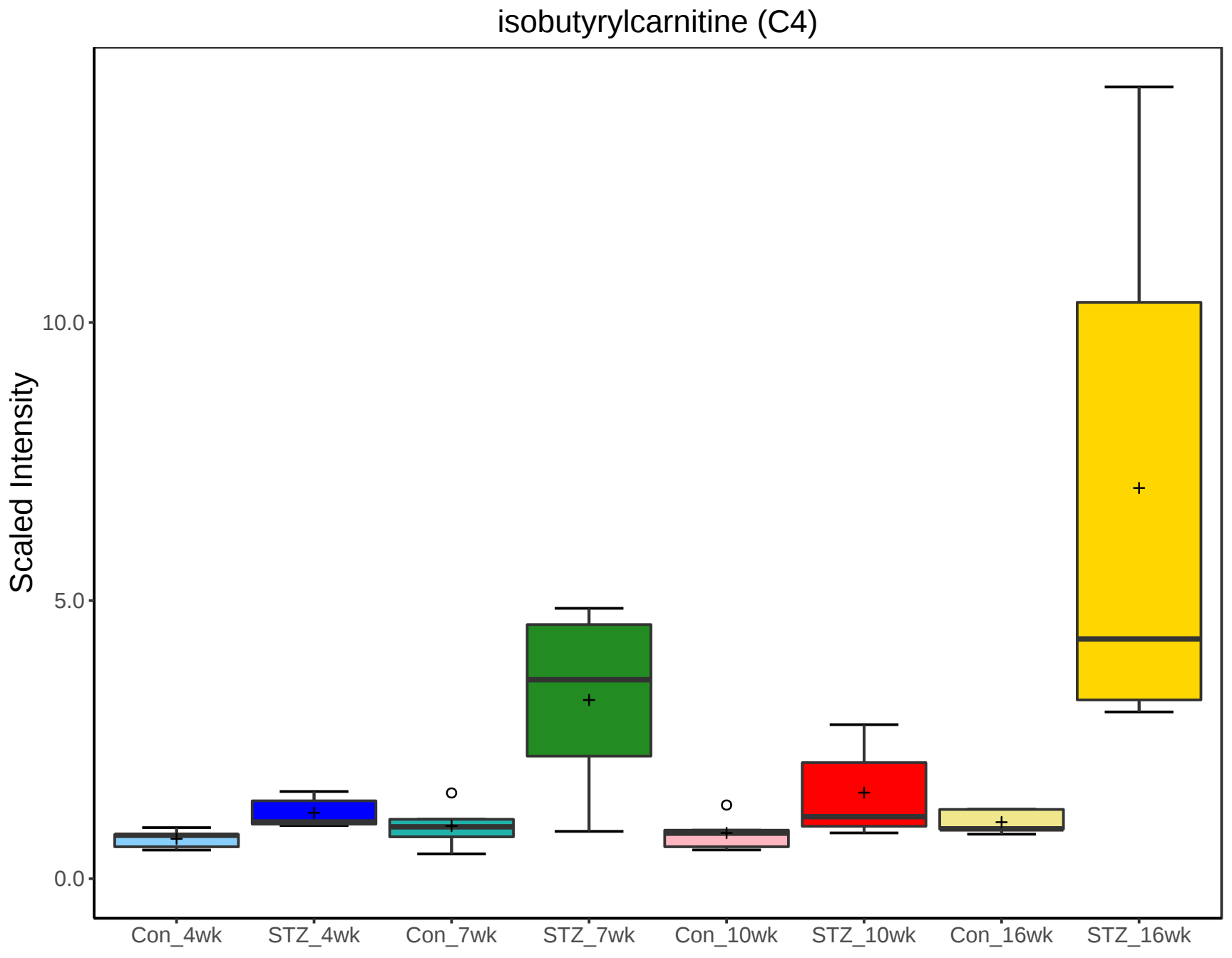

methylsuccinate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

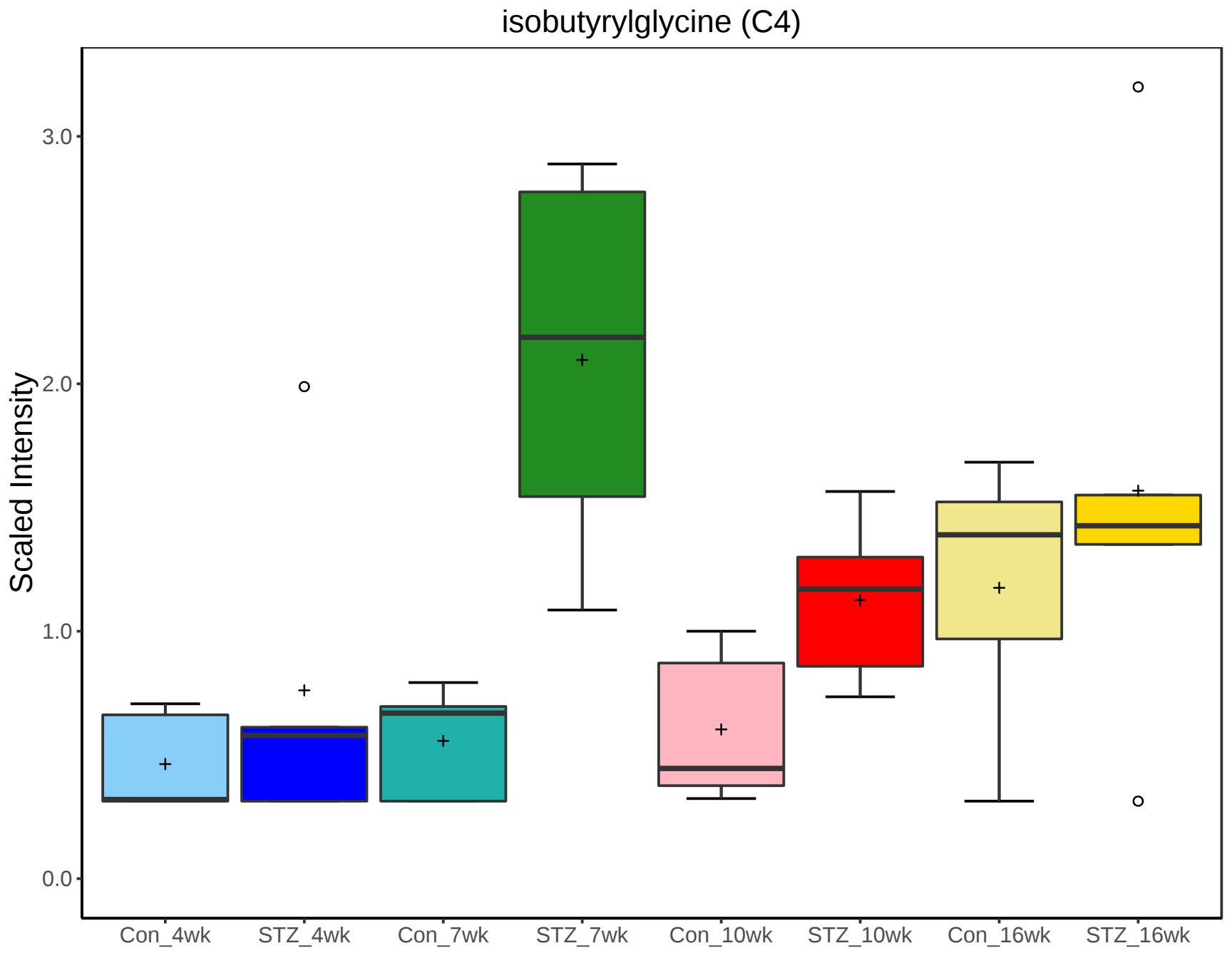

valine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

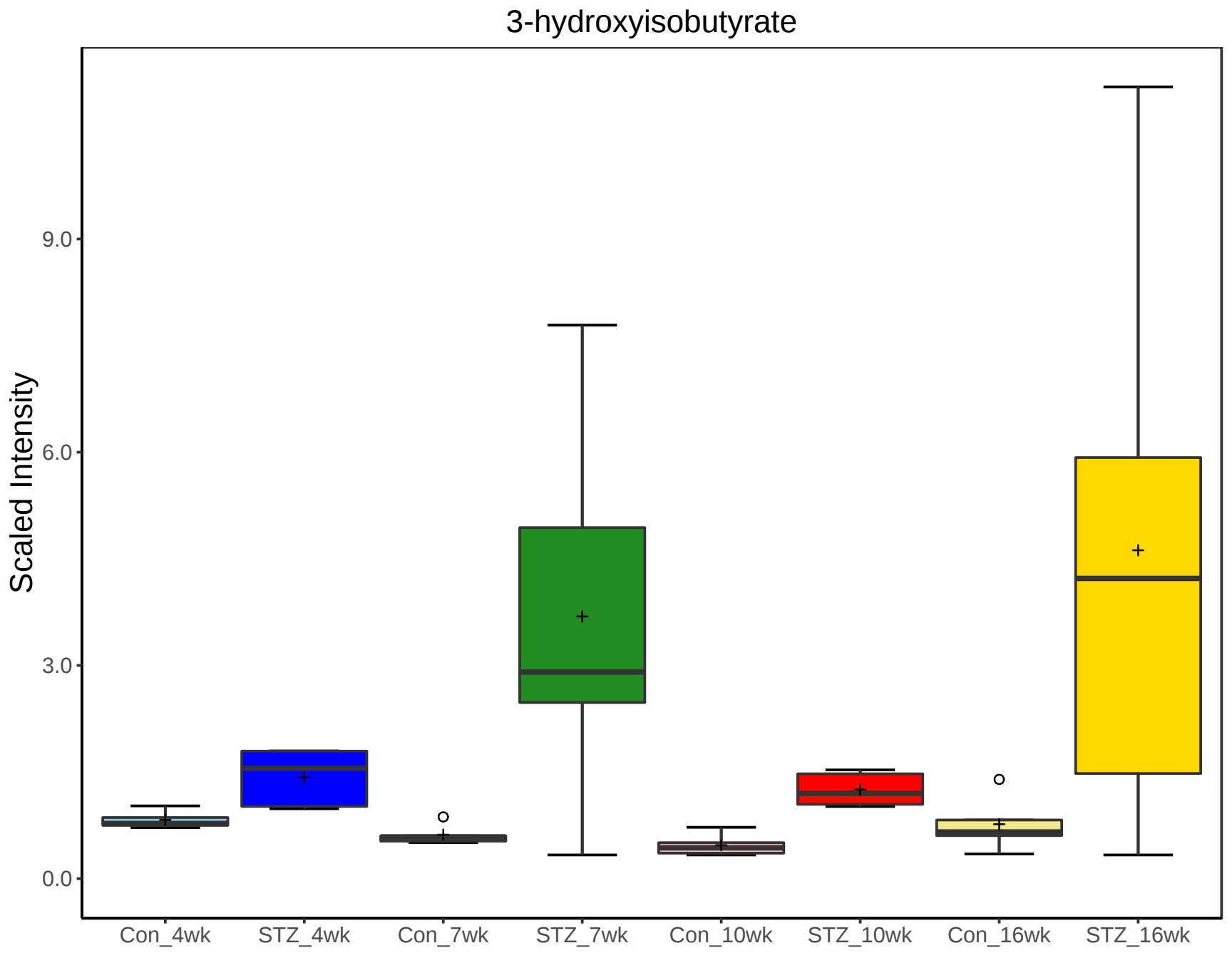

N-acetylvaline
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

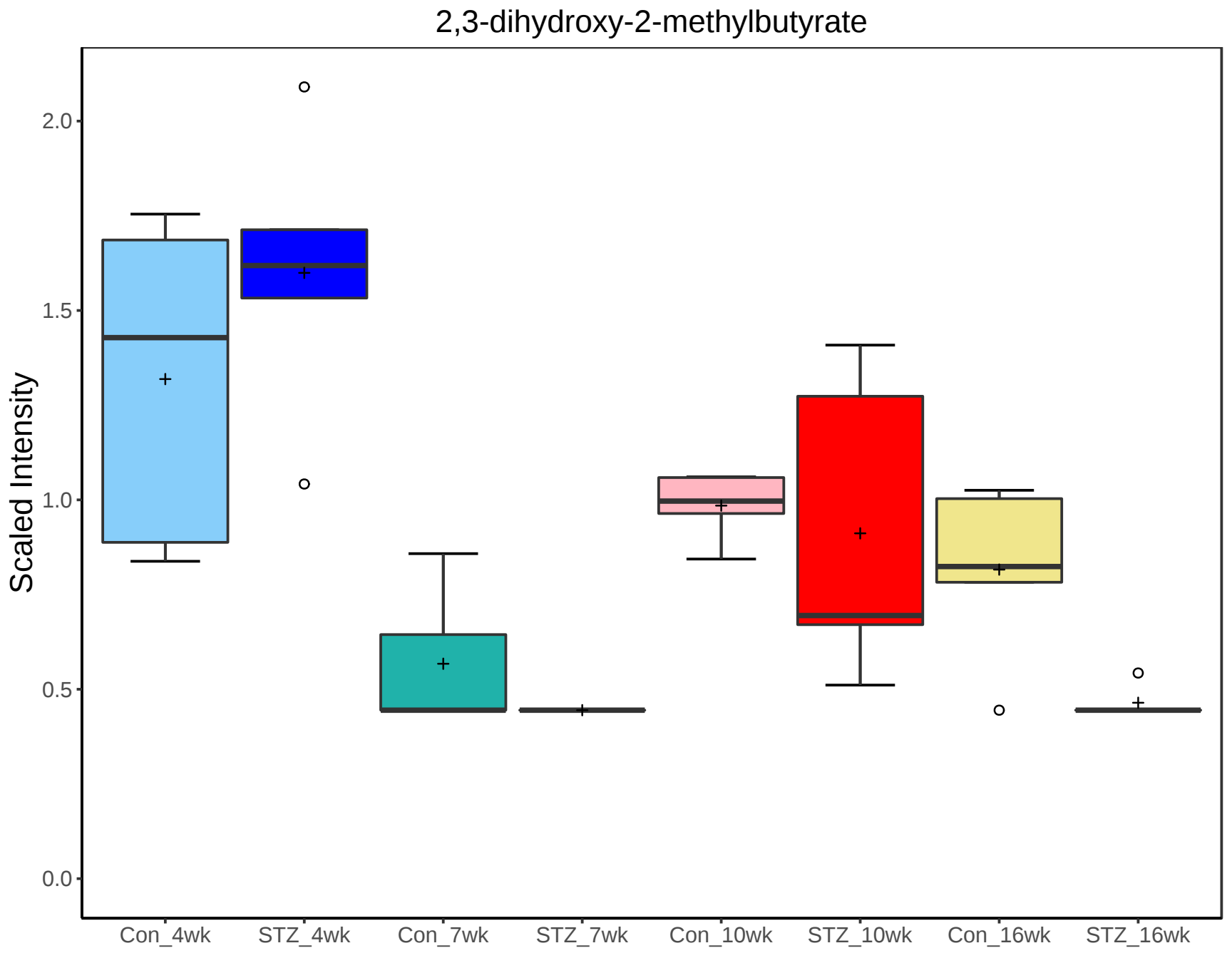

3-methyl-2-oxobutyrate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

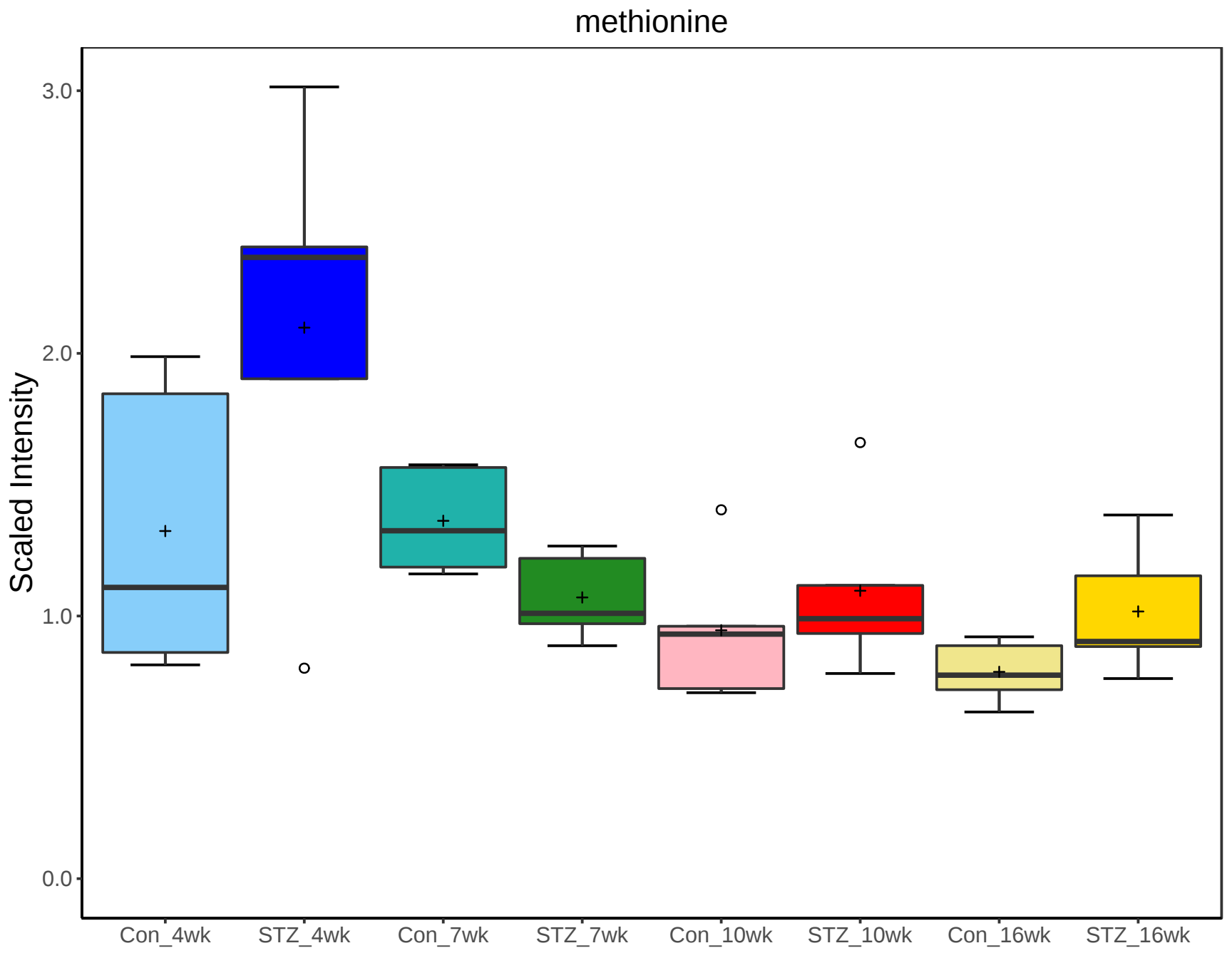

alpha-hydroxyisovalerate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

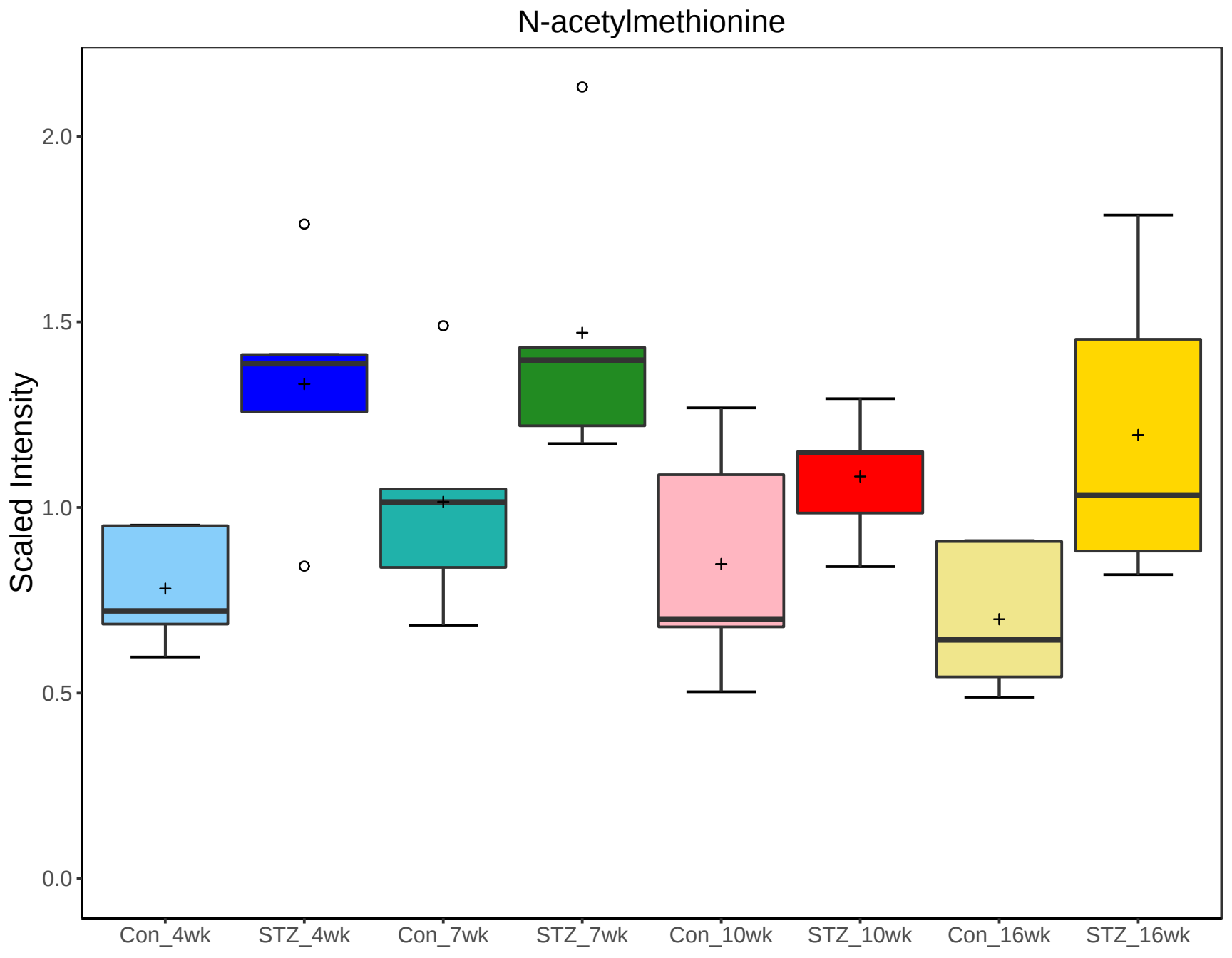

isobutyrylcarnitine (C4)
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

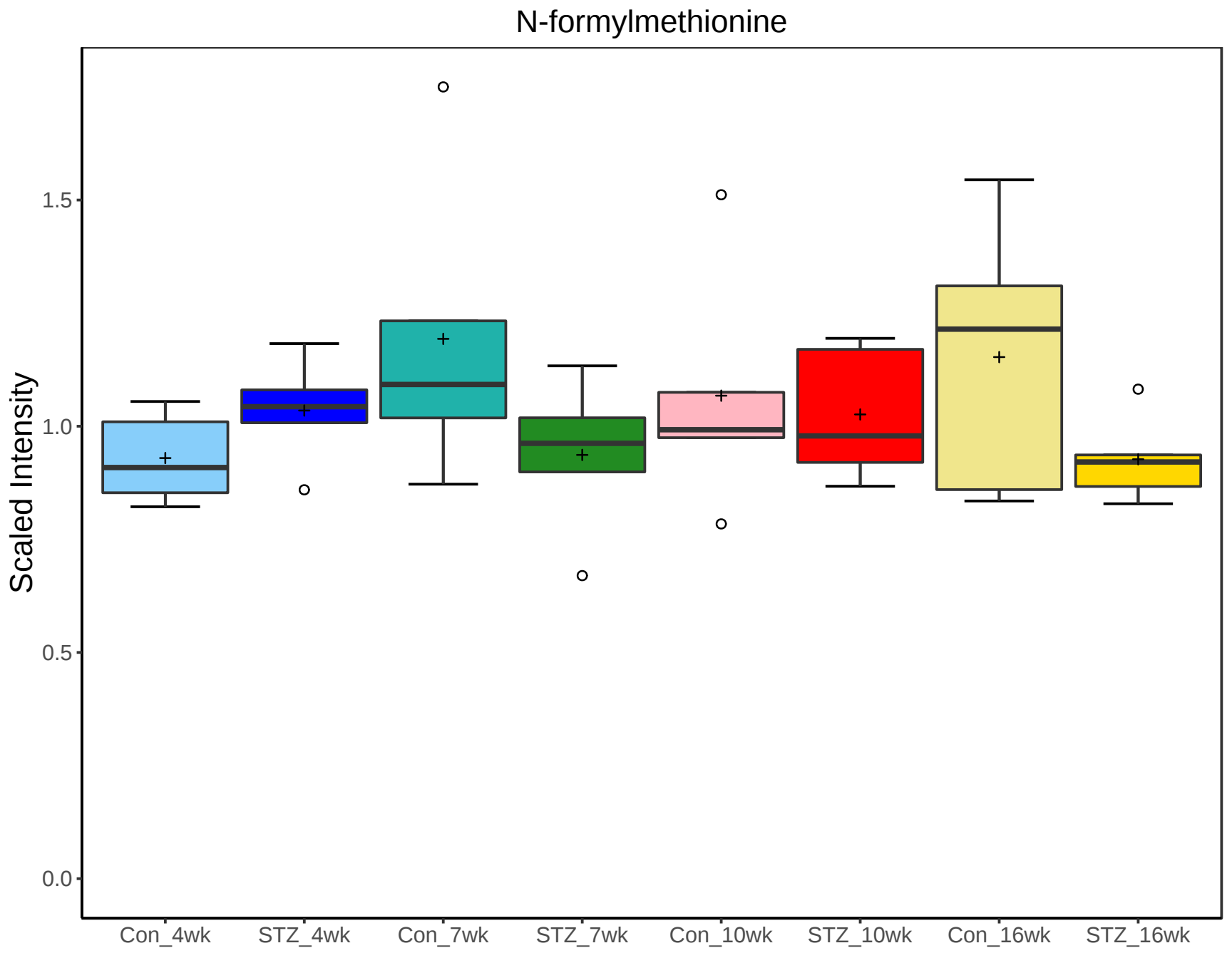

isobutyrylglycine (C4)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

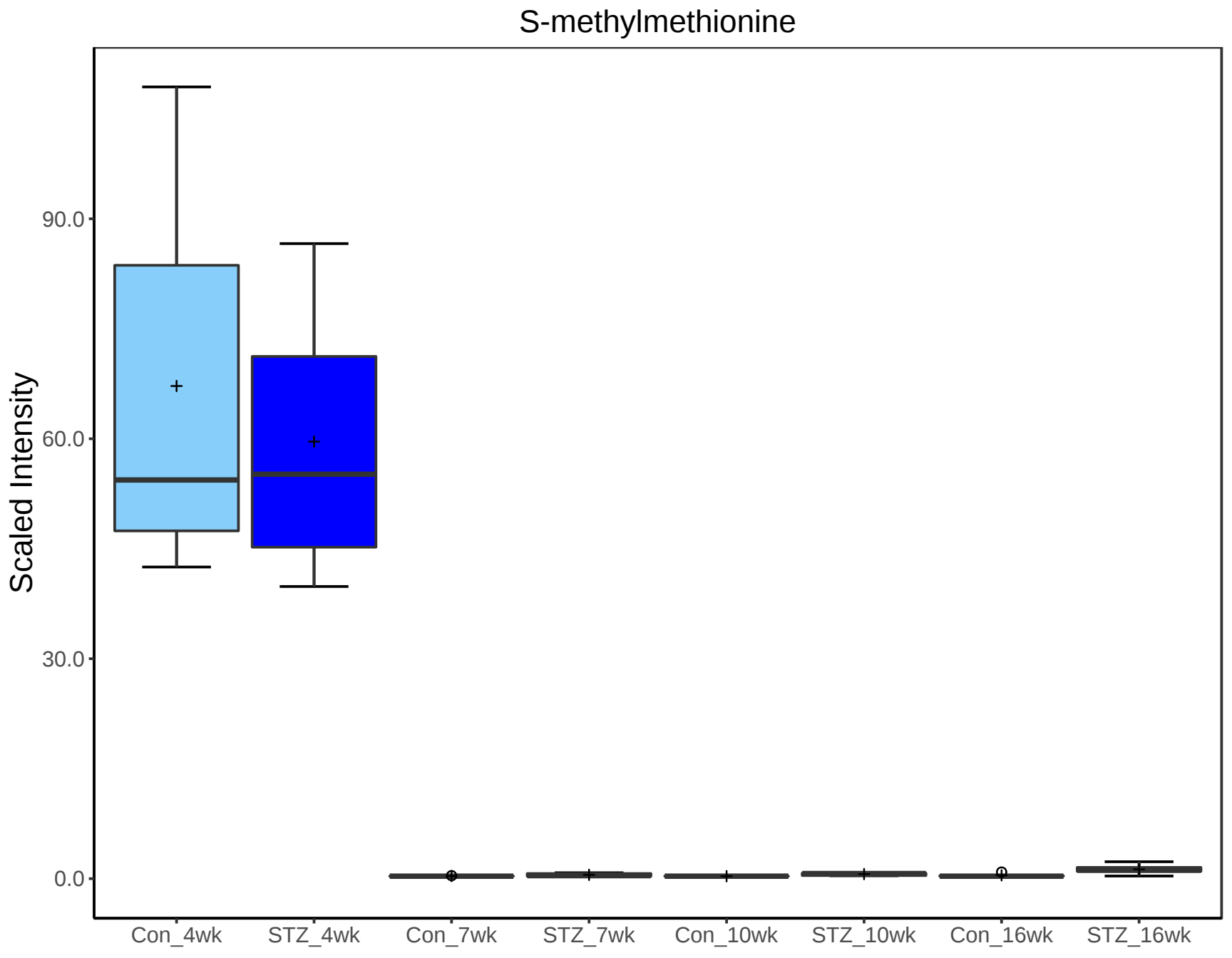

3-hydroxyisobutyrate
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

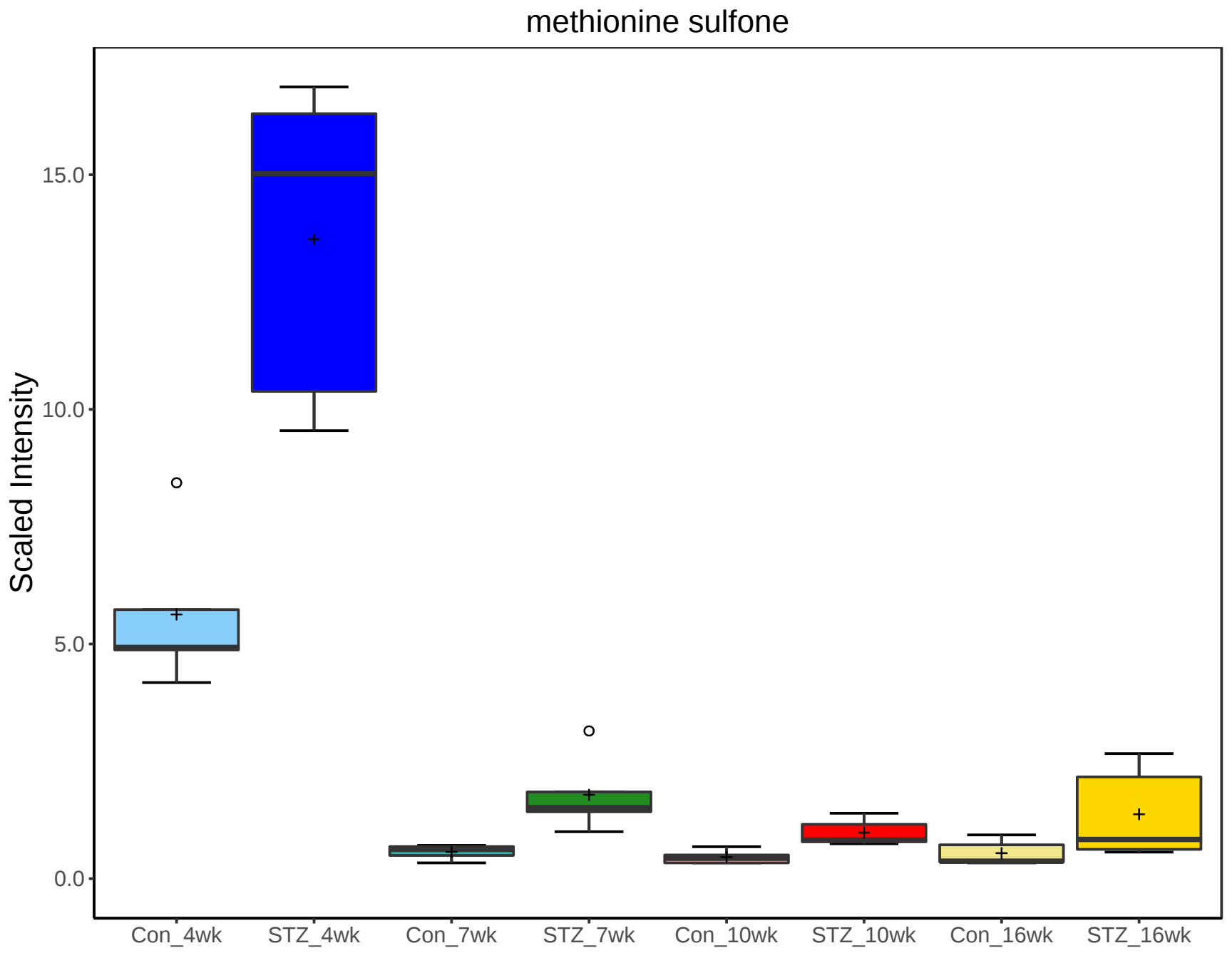

2,3-dihydroxy-2-methylbutyrate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

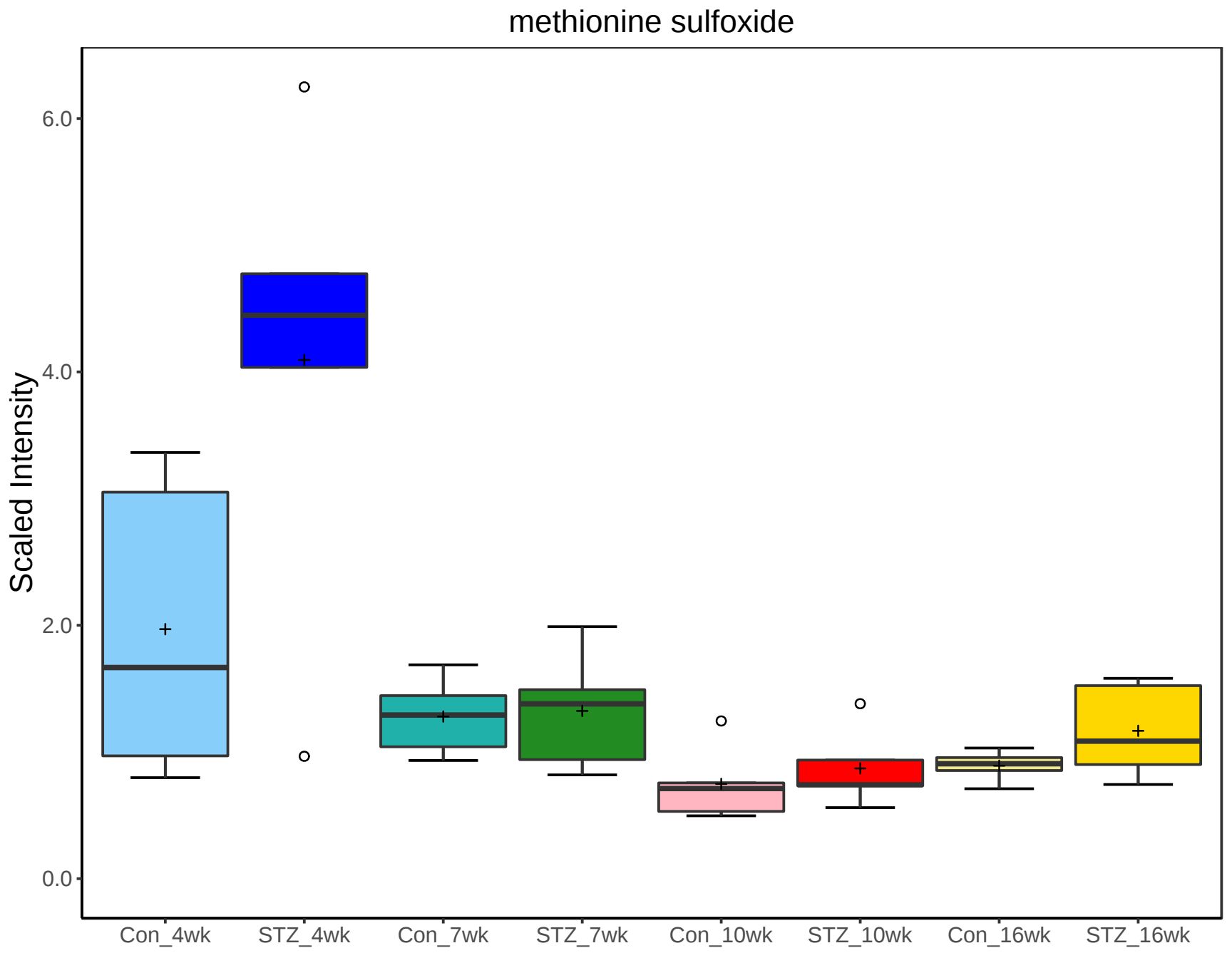

methionine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

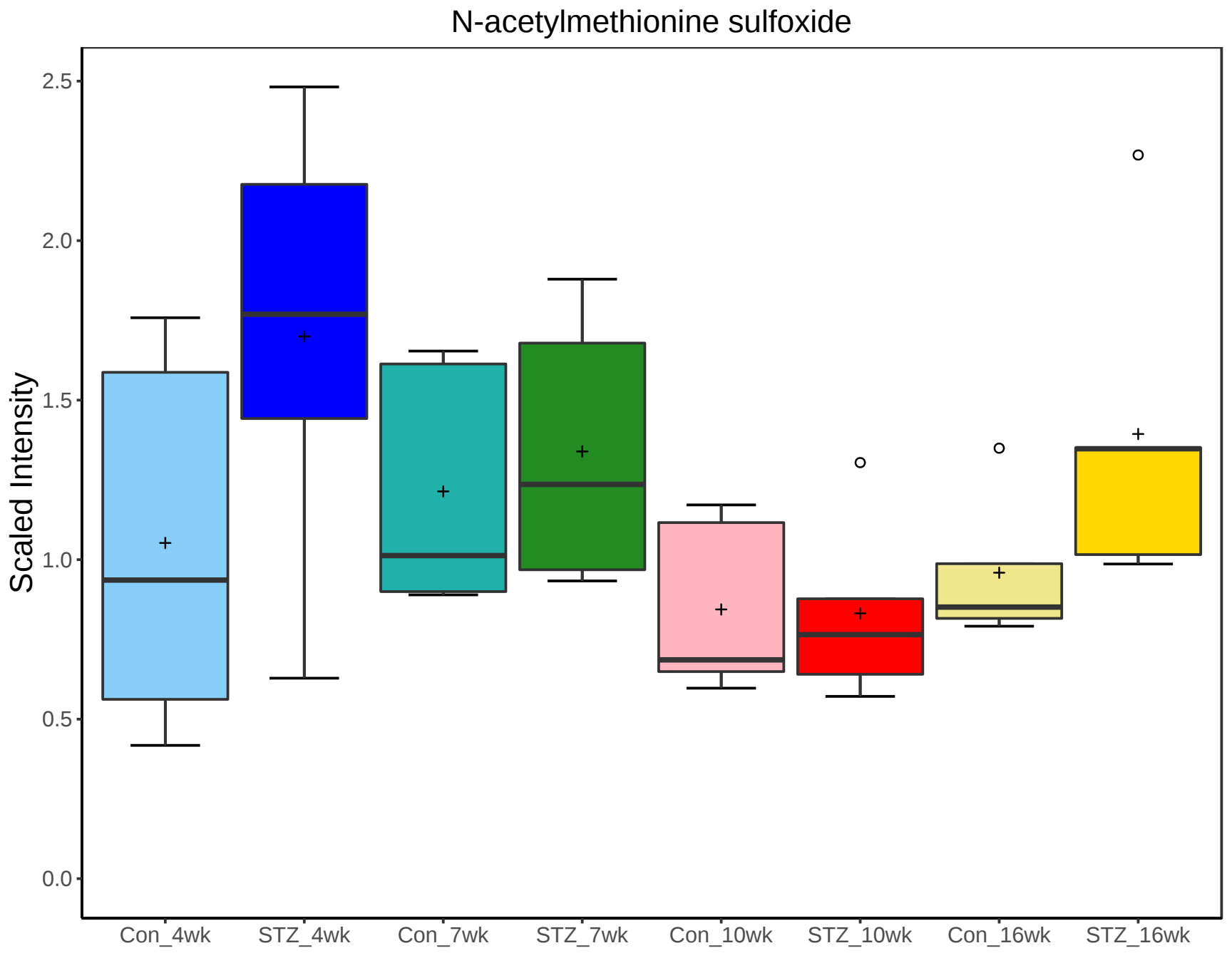

N-acetylmethionine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

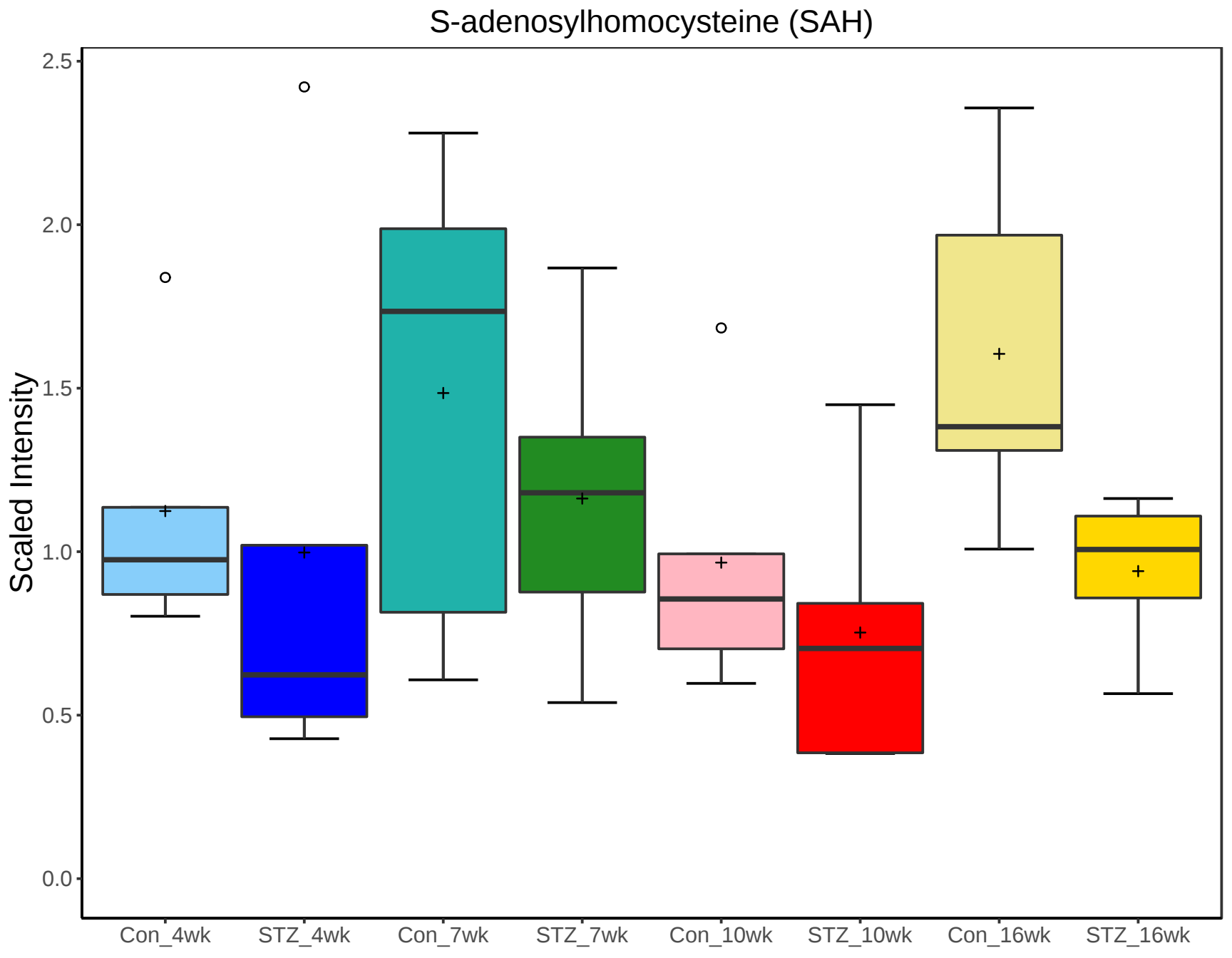

N-formylmethionine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

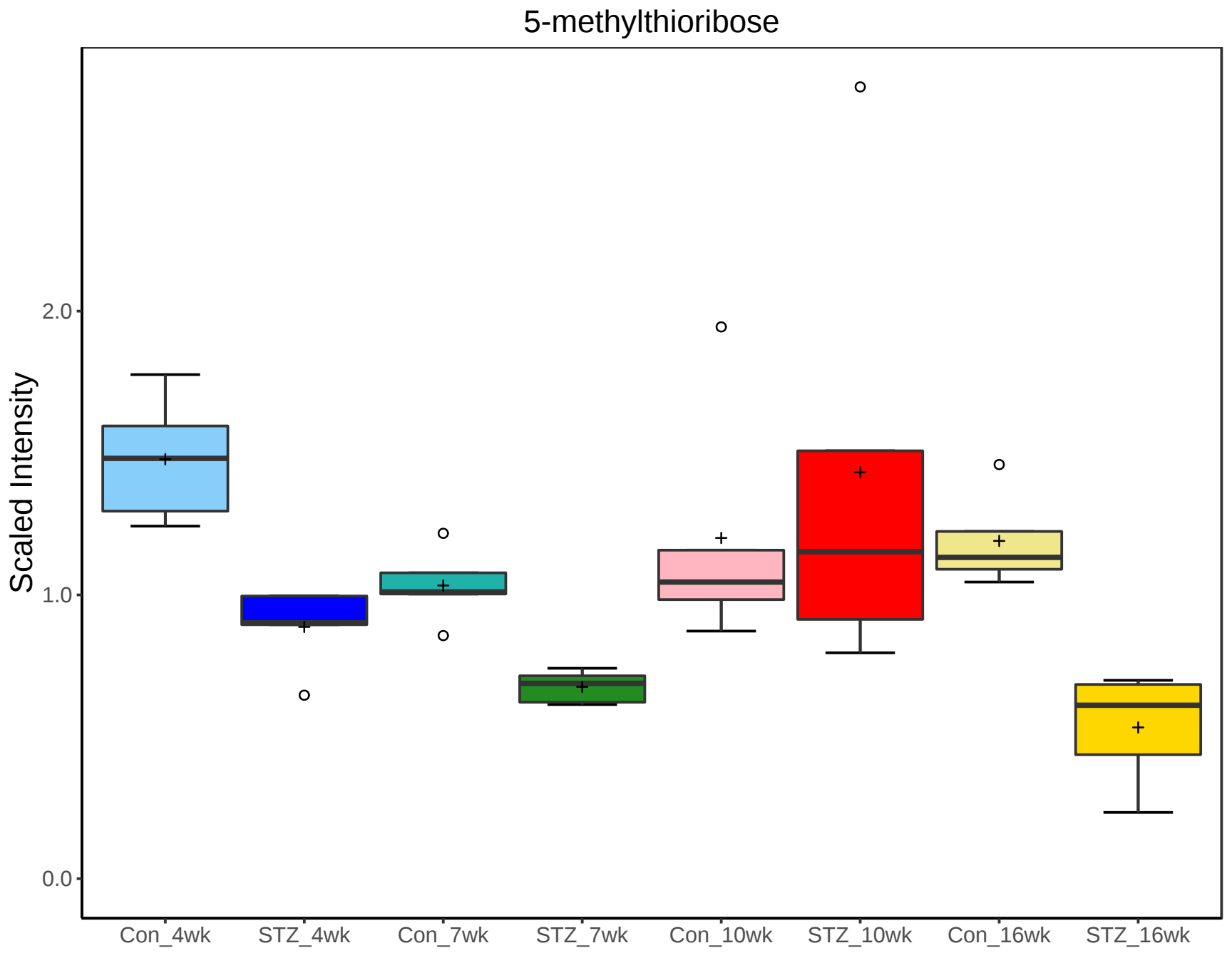

S-methylmethionine
Scaled Intensity
90.0
60.0
30.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

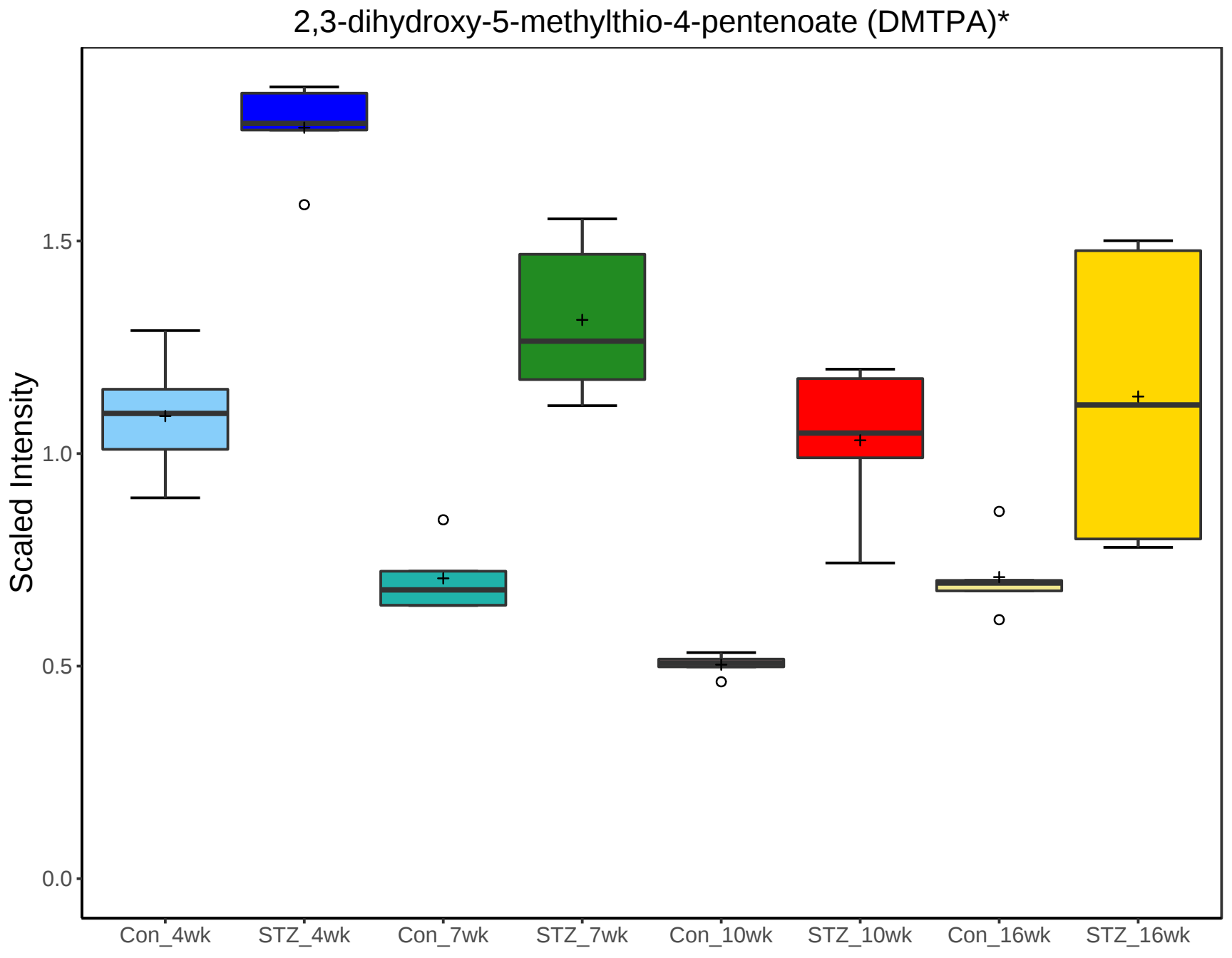

methionine sulfone
Scaled Intensity
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

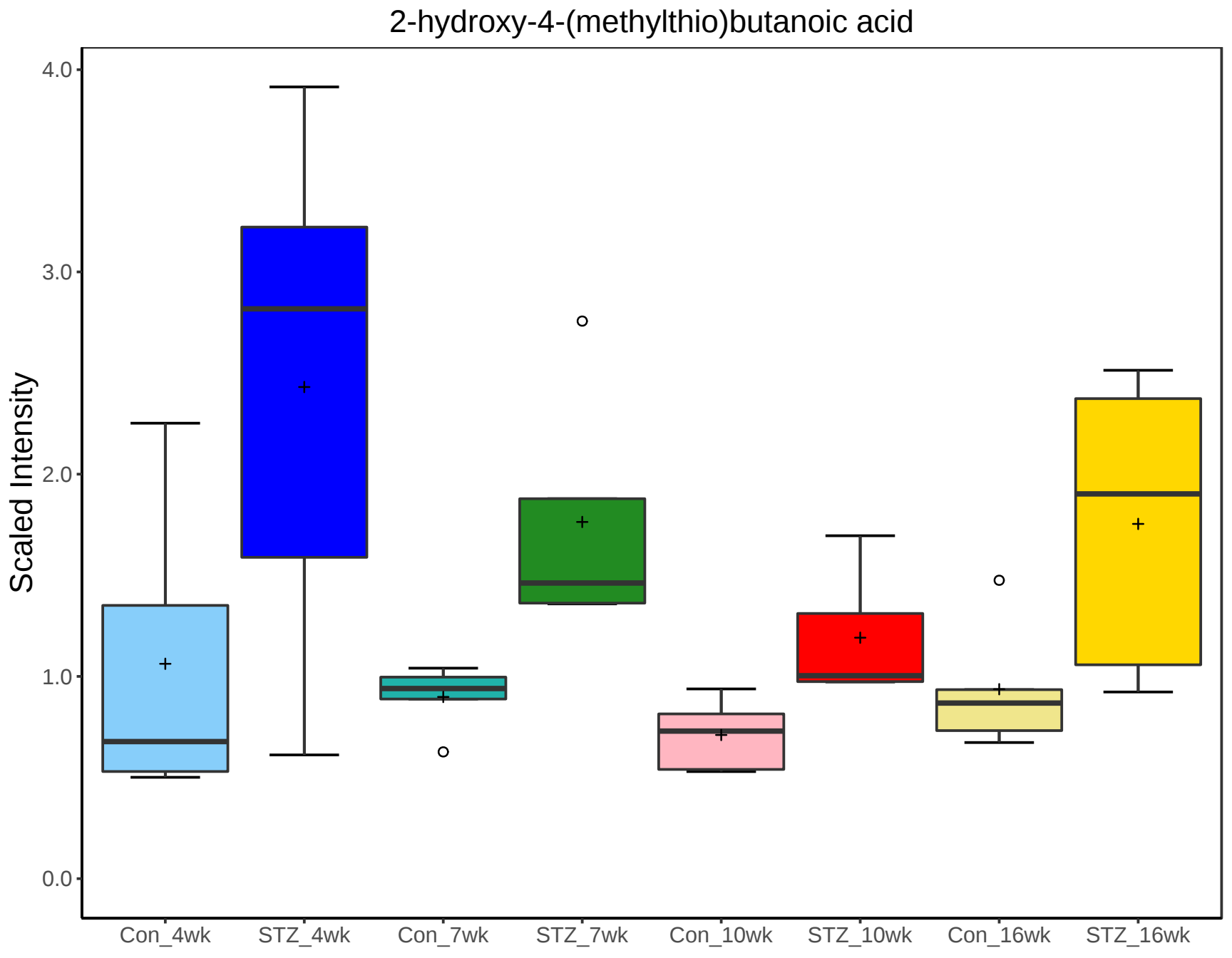

methionine sulfoxide
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

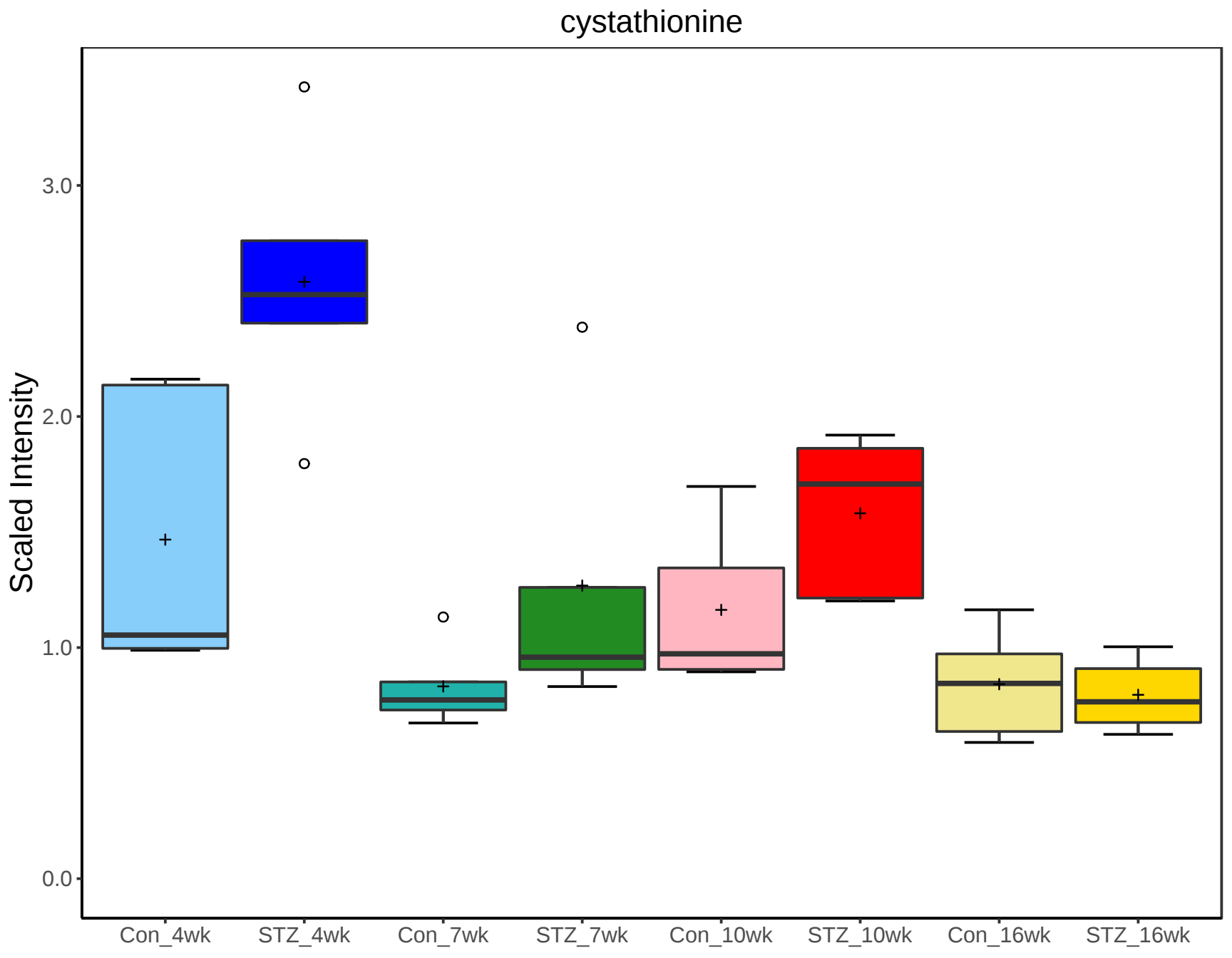

N-acetylmethionine sulfoxide
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

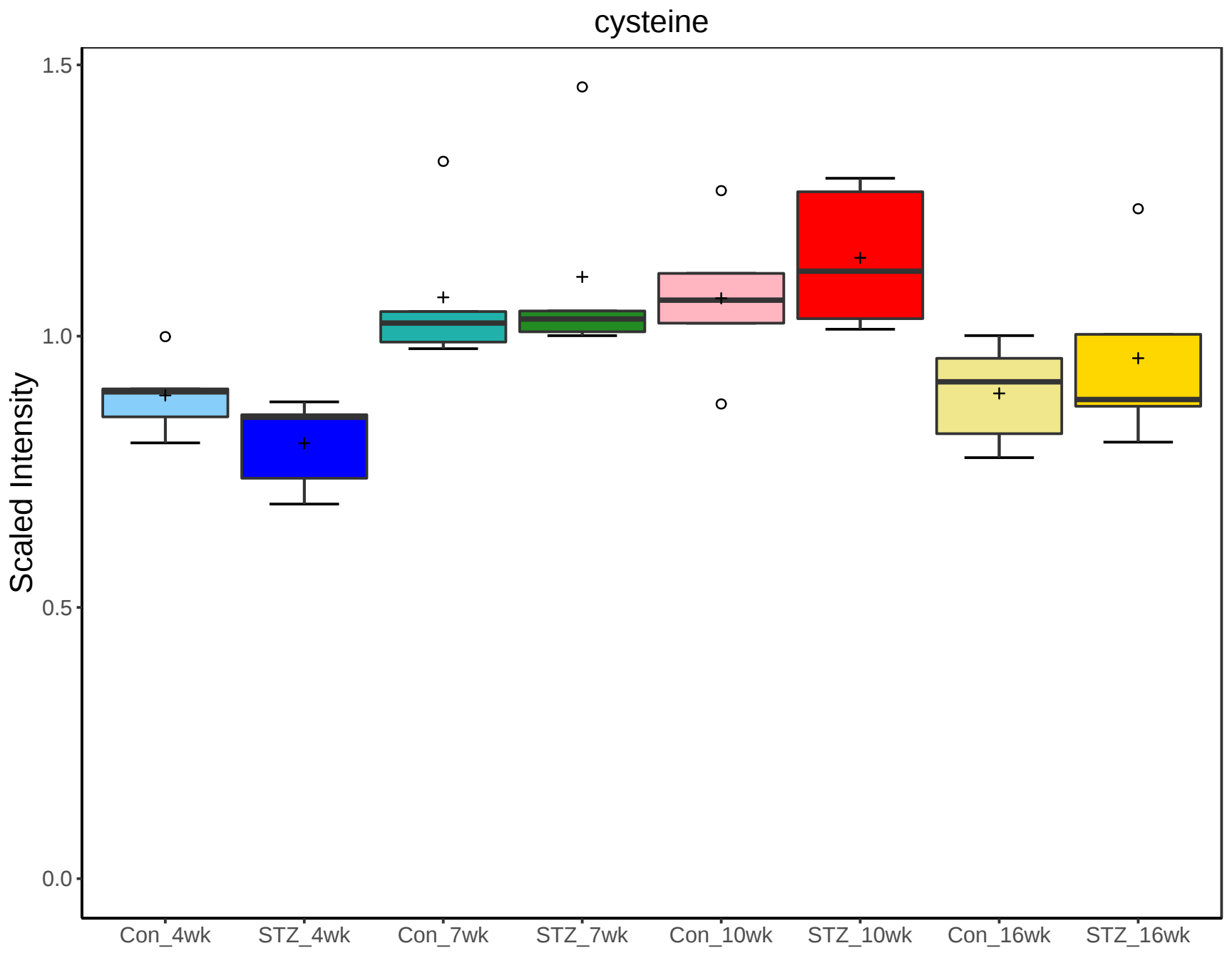

S-adenosylhomocysteine (SAH)
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

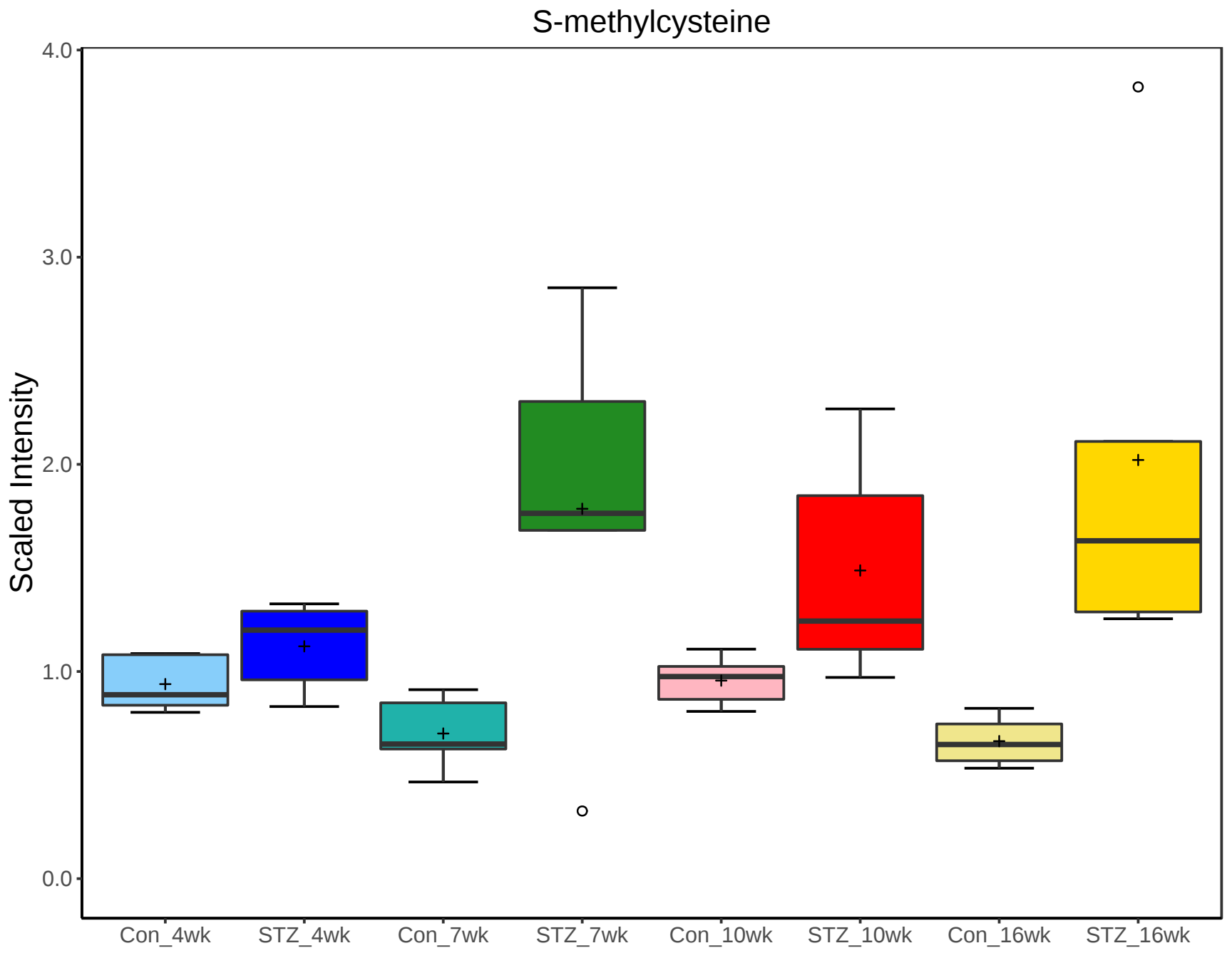

5-methylthioribose
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

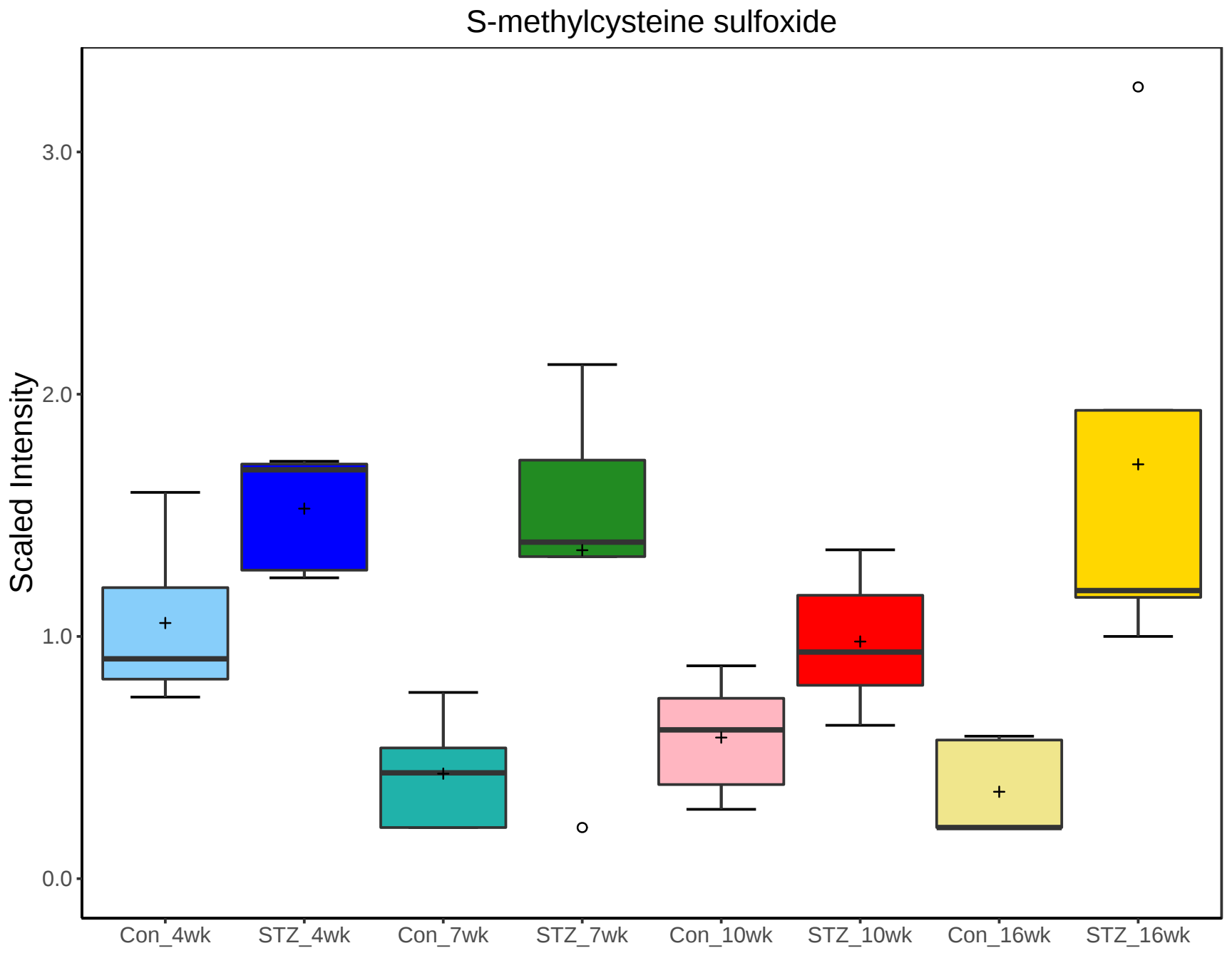

2,3-dihydroxy-5-methylthio-4-pentenoate (DMTPA)*
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

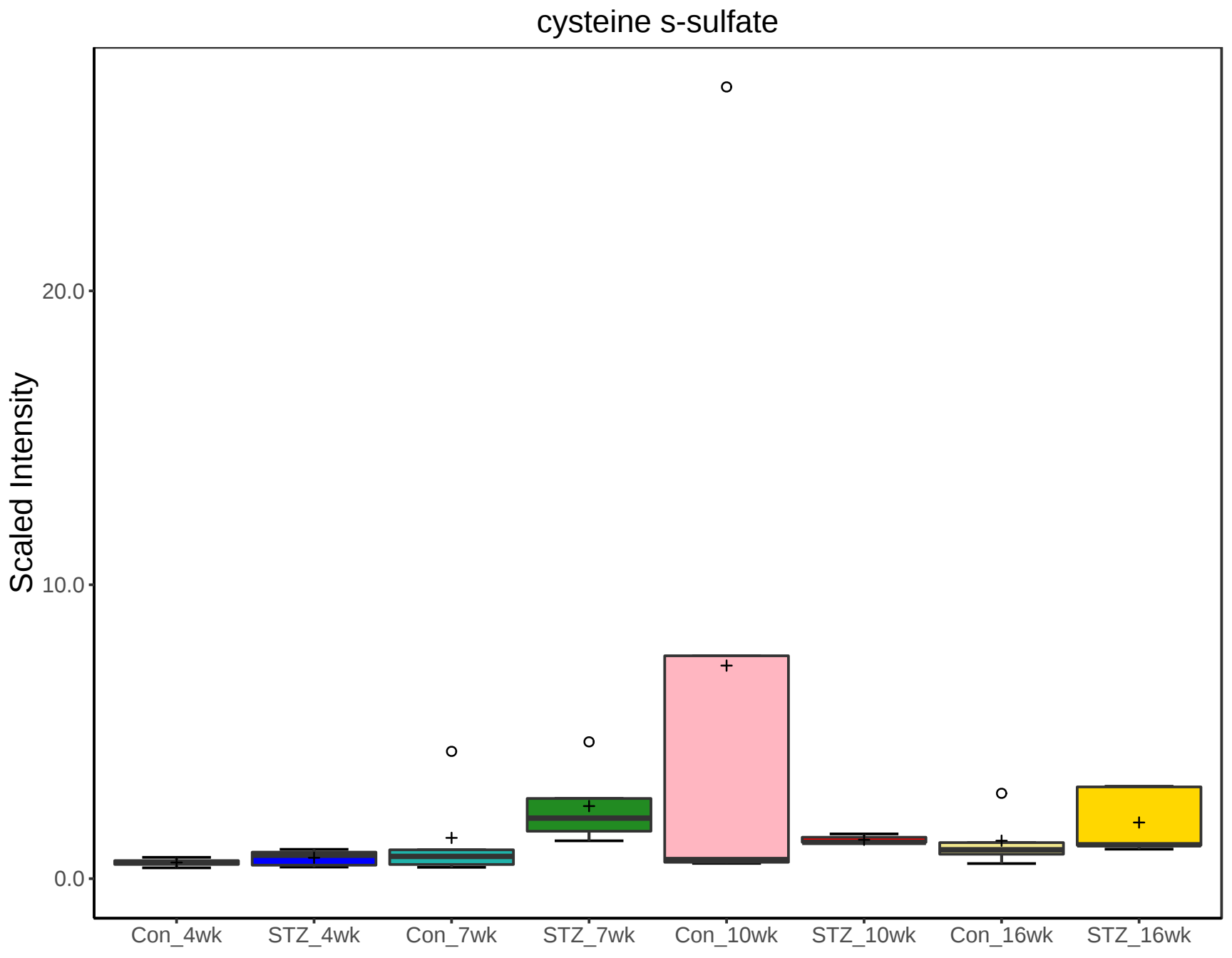

2-hydroxy-4-(methylthio)butanoic acid
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

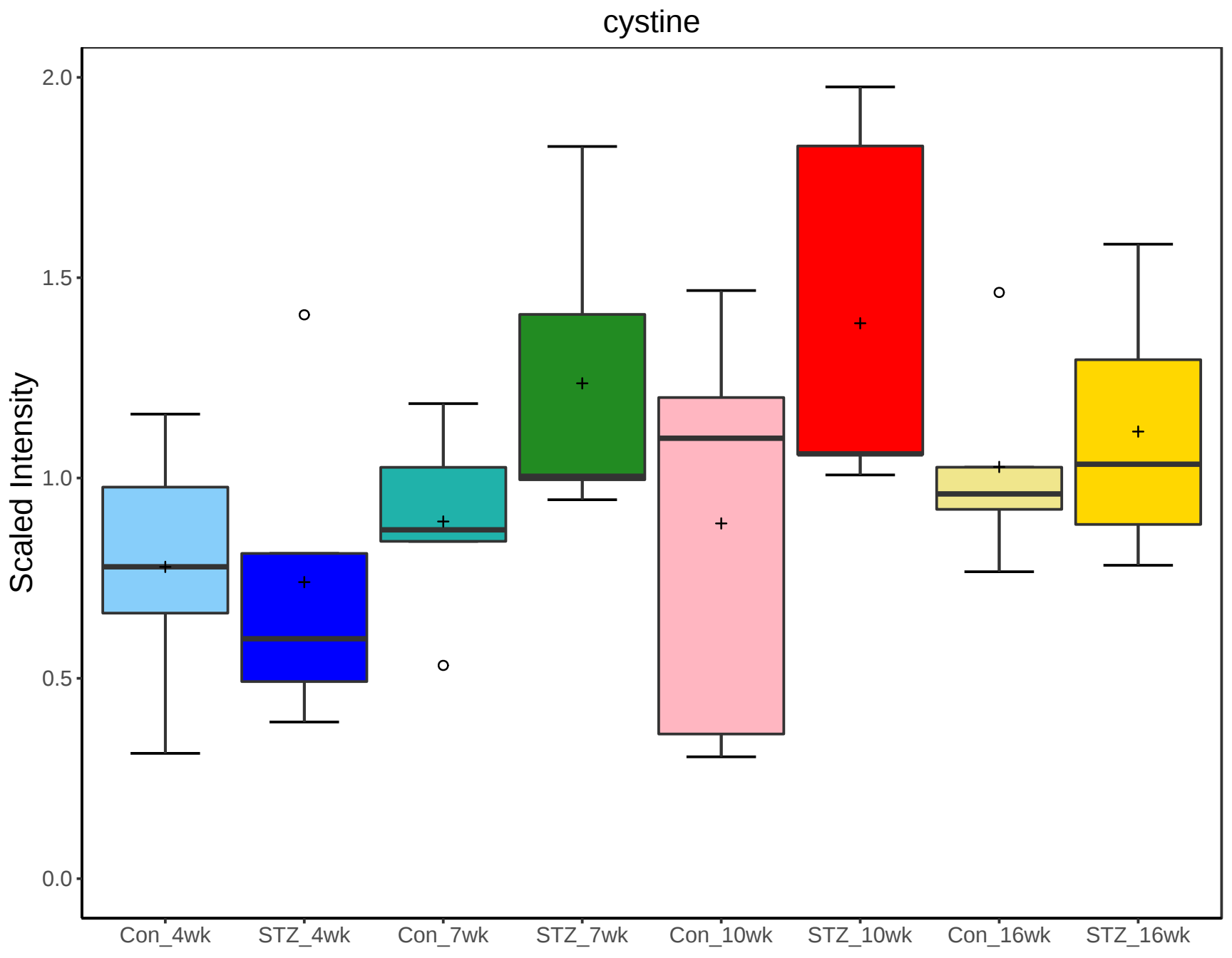

cystathionine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

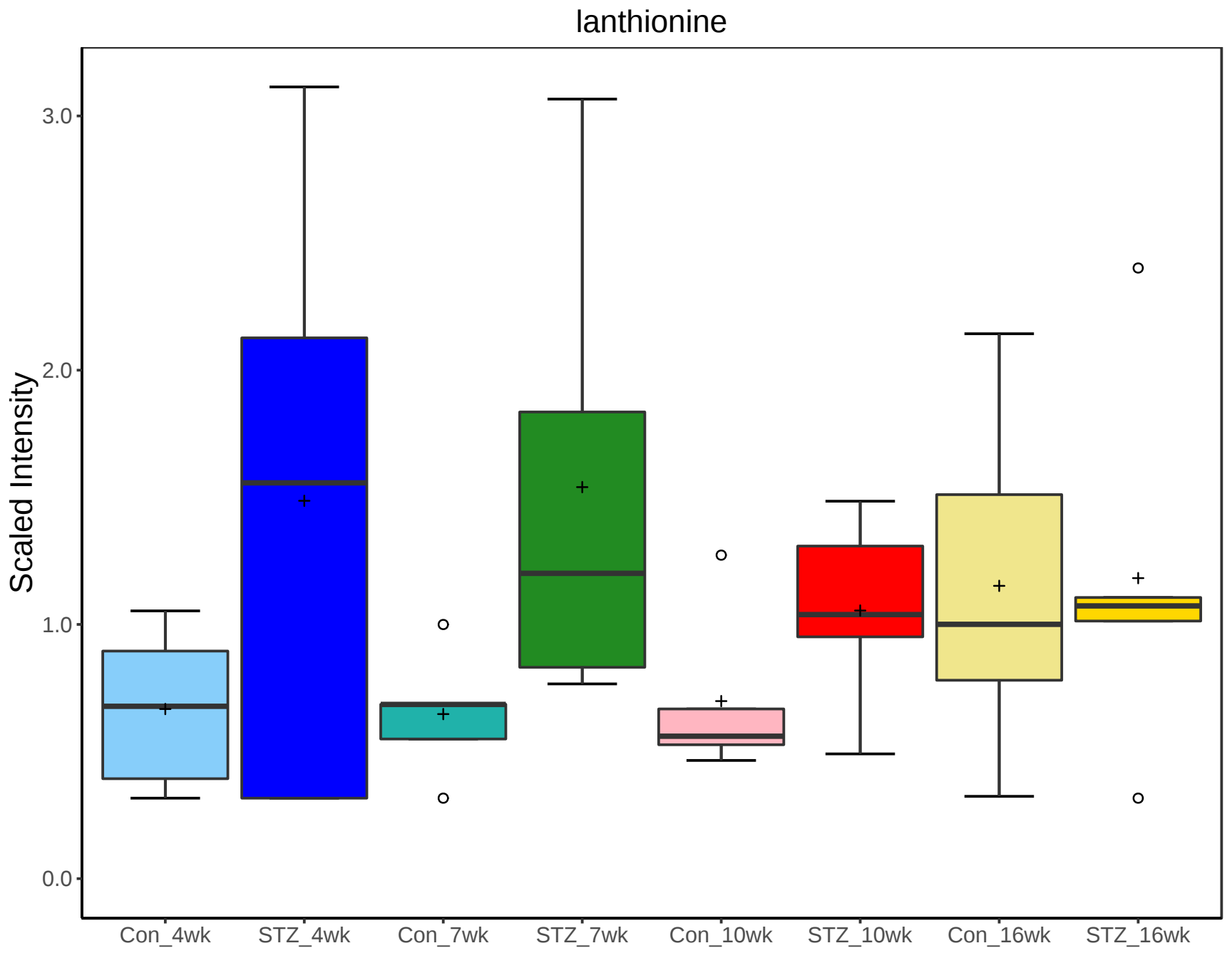

cysteine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

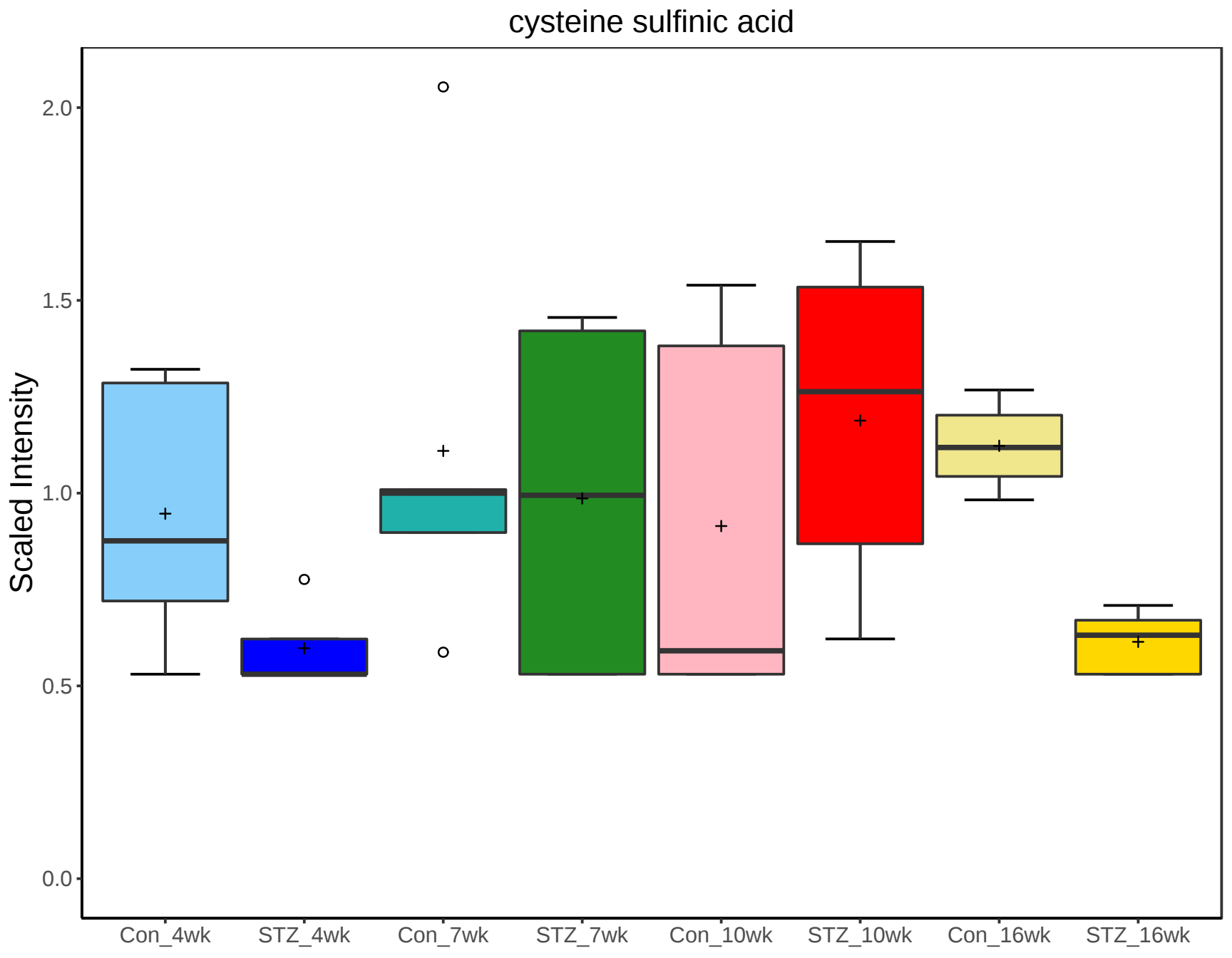

S-methylcysteine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

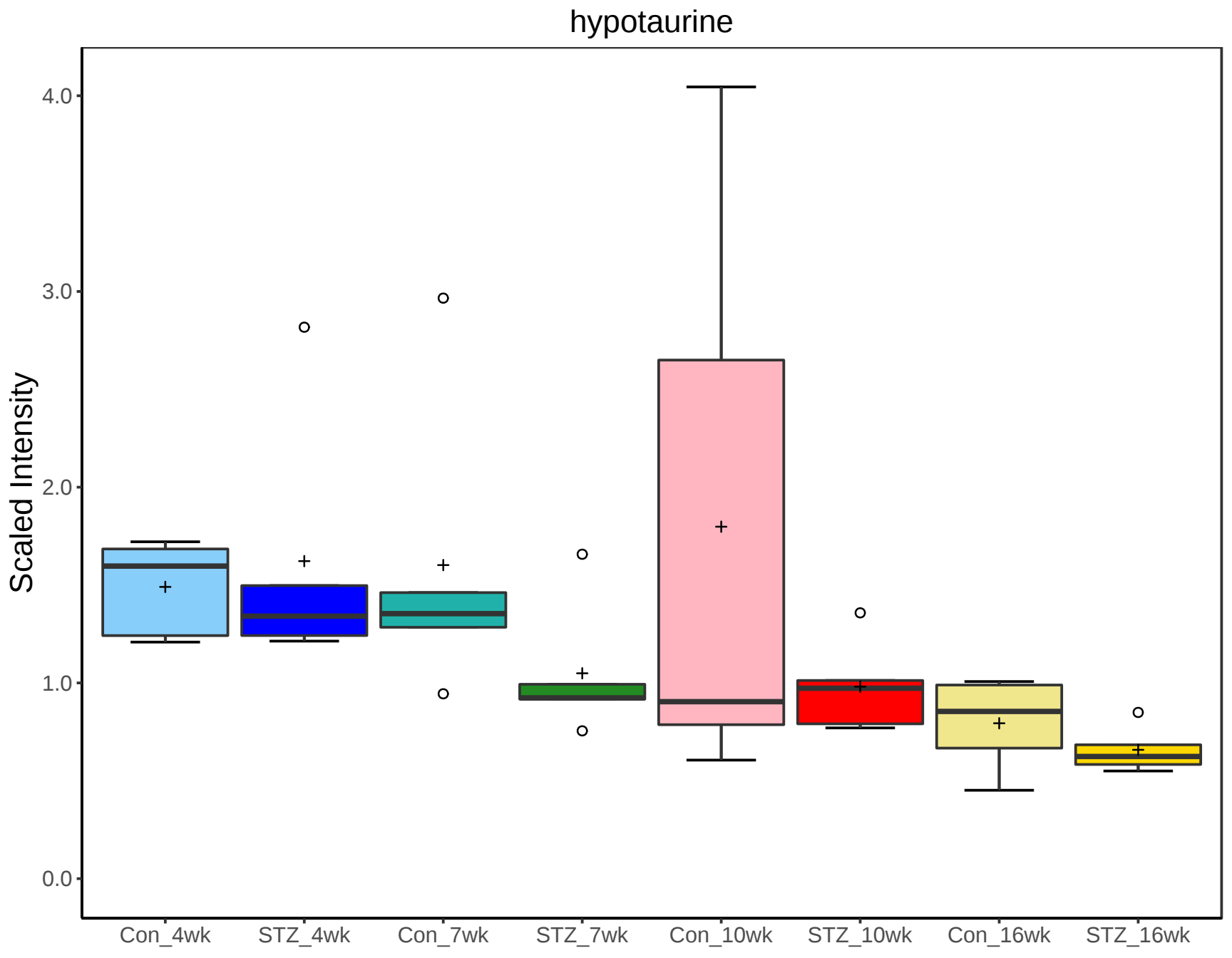

S-methylcysteine sulfoxide
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

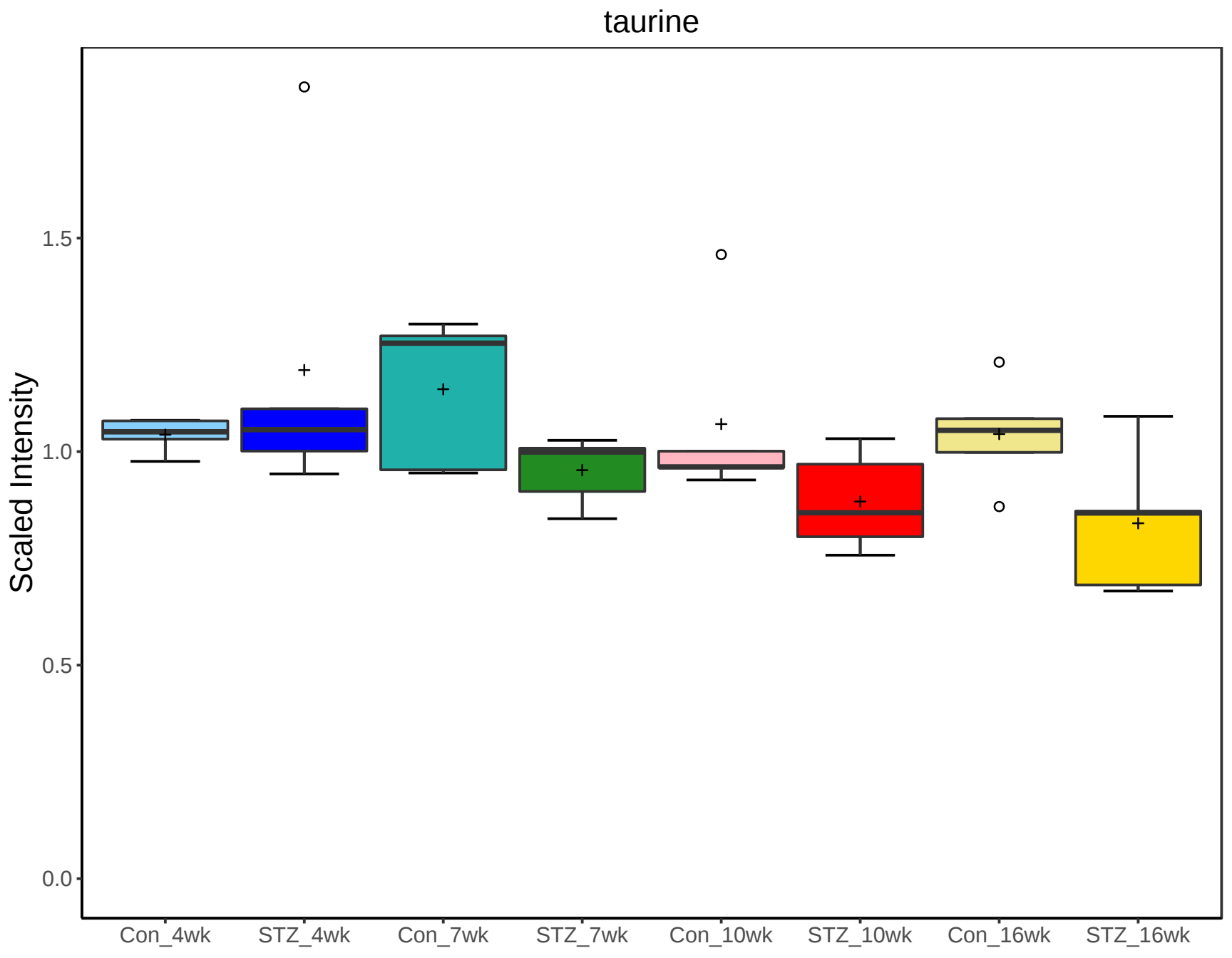

cysteine s-sulfate
Scaled Intensity
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

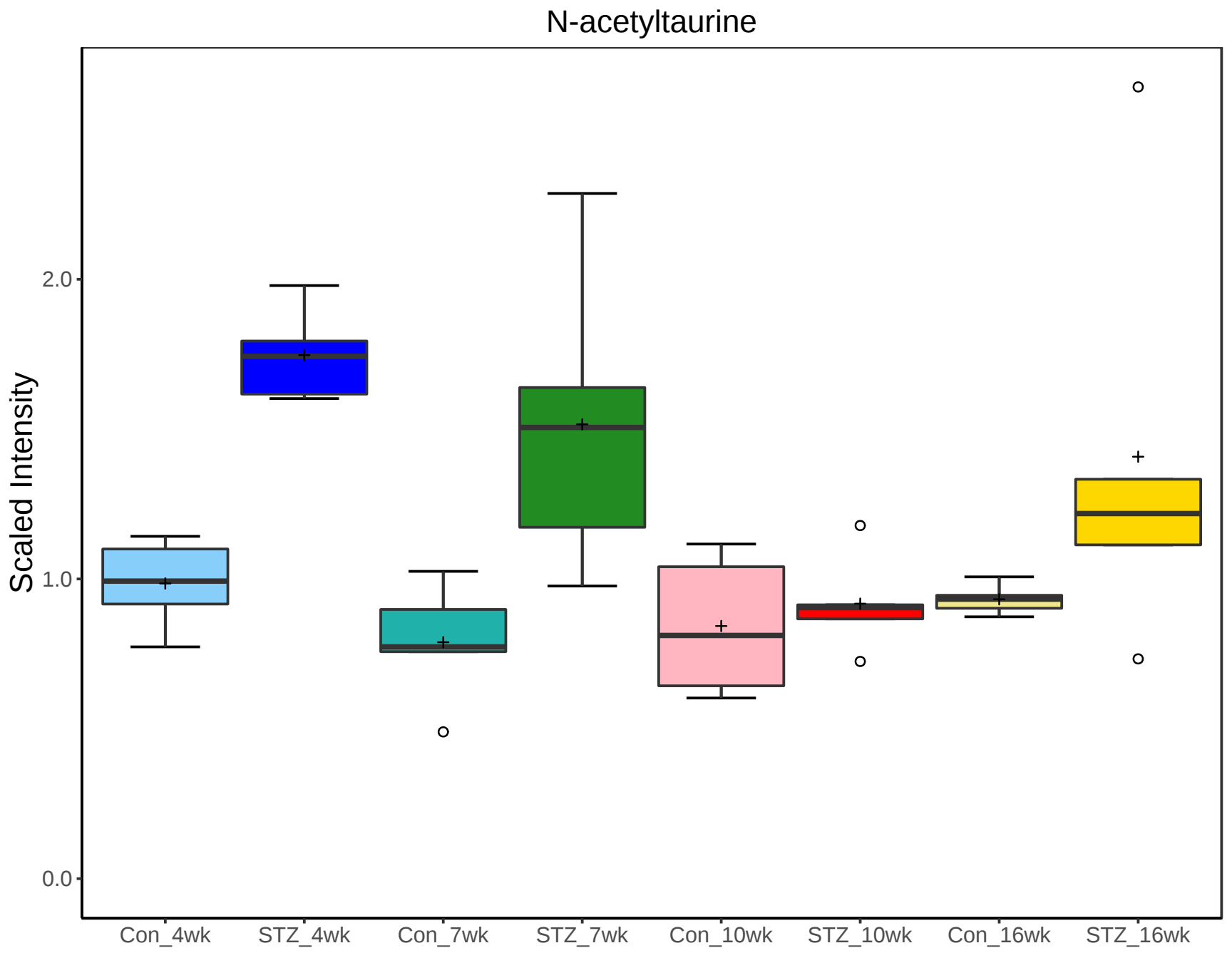

cystine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

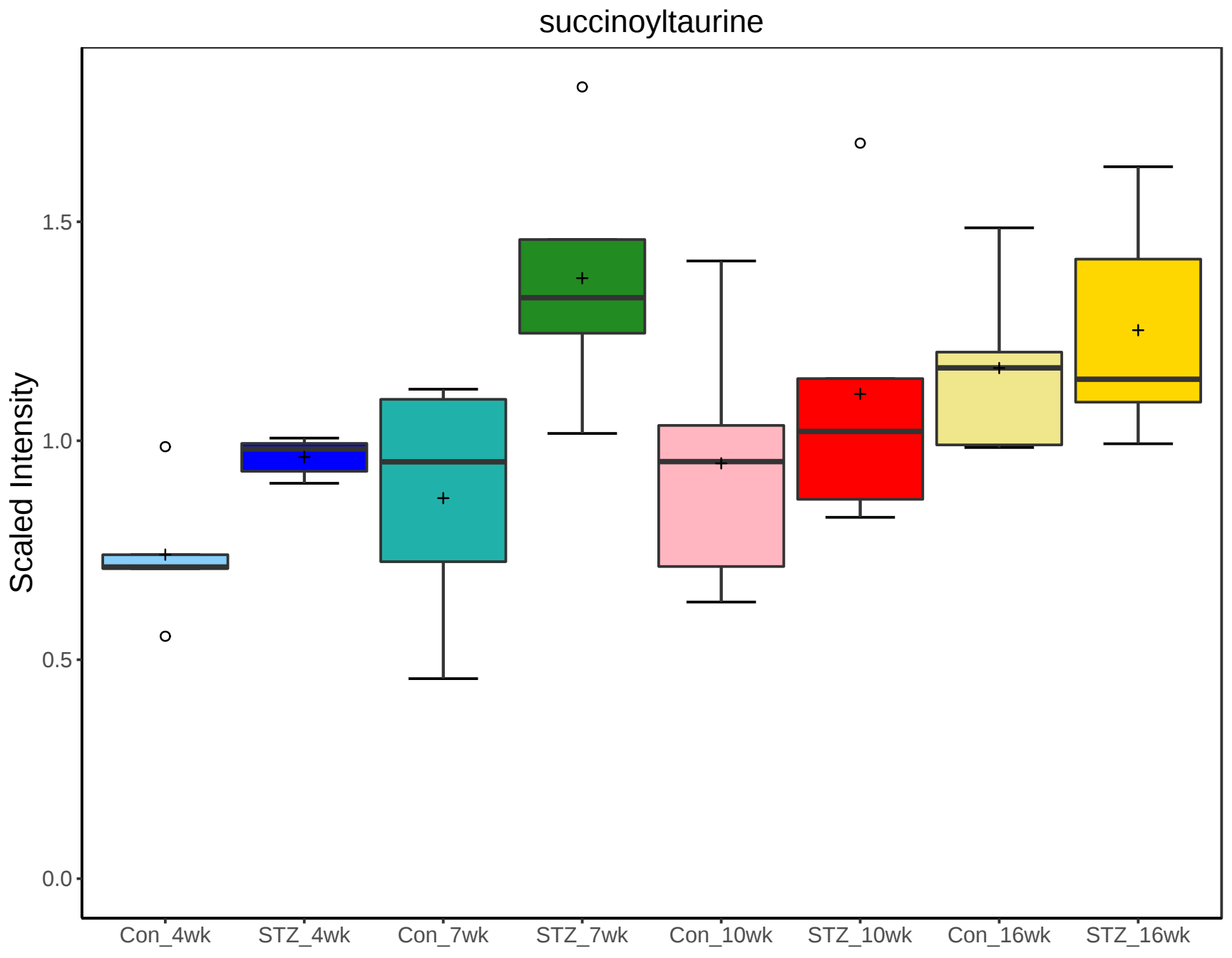

lanthionine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

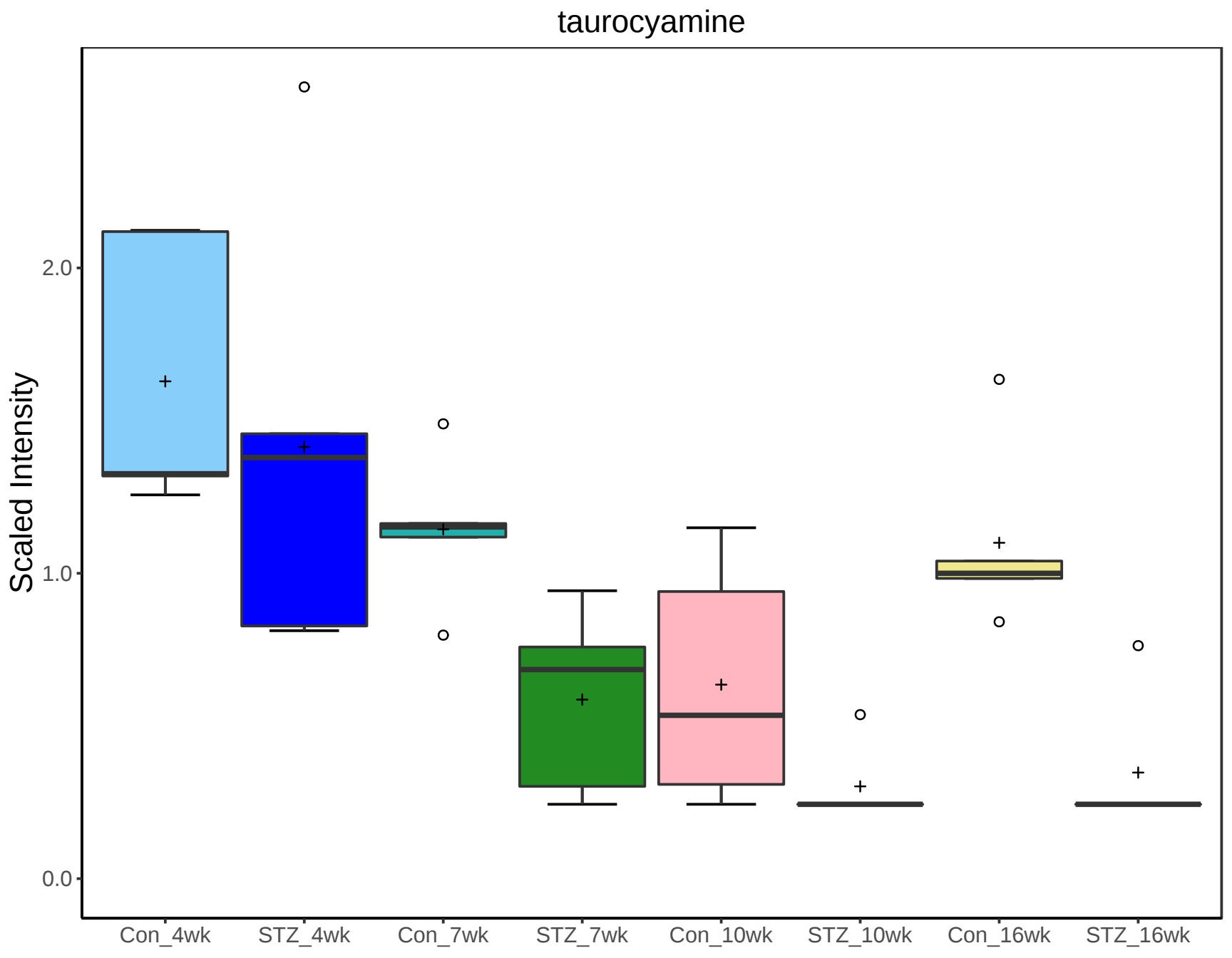

cysteine sulfinic acid
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

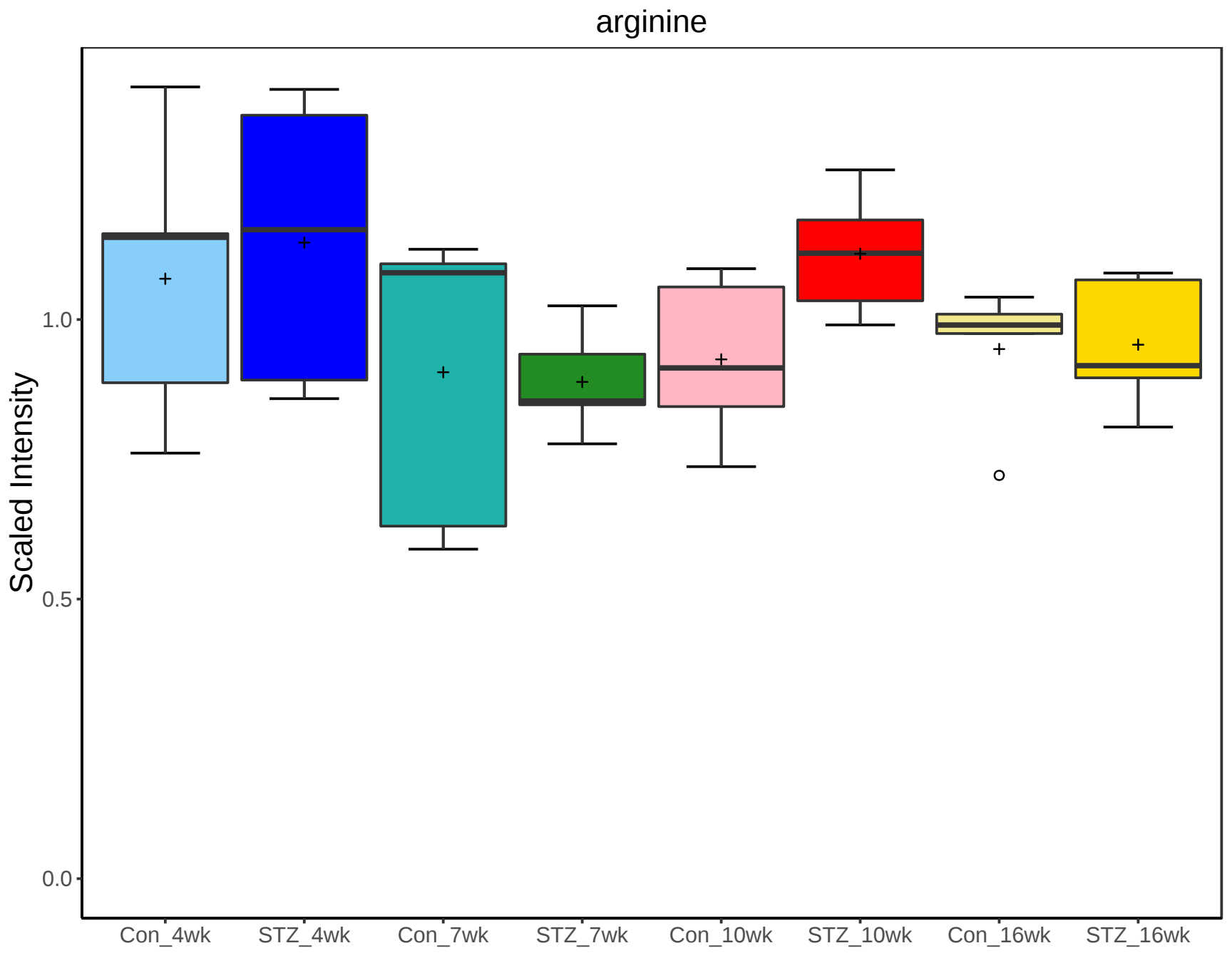

hypotaurine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

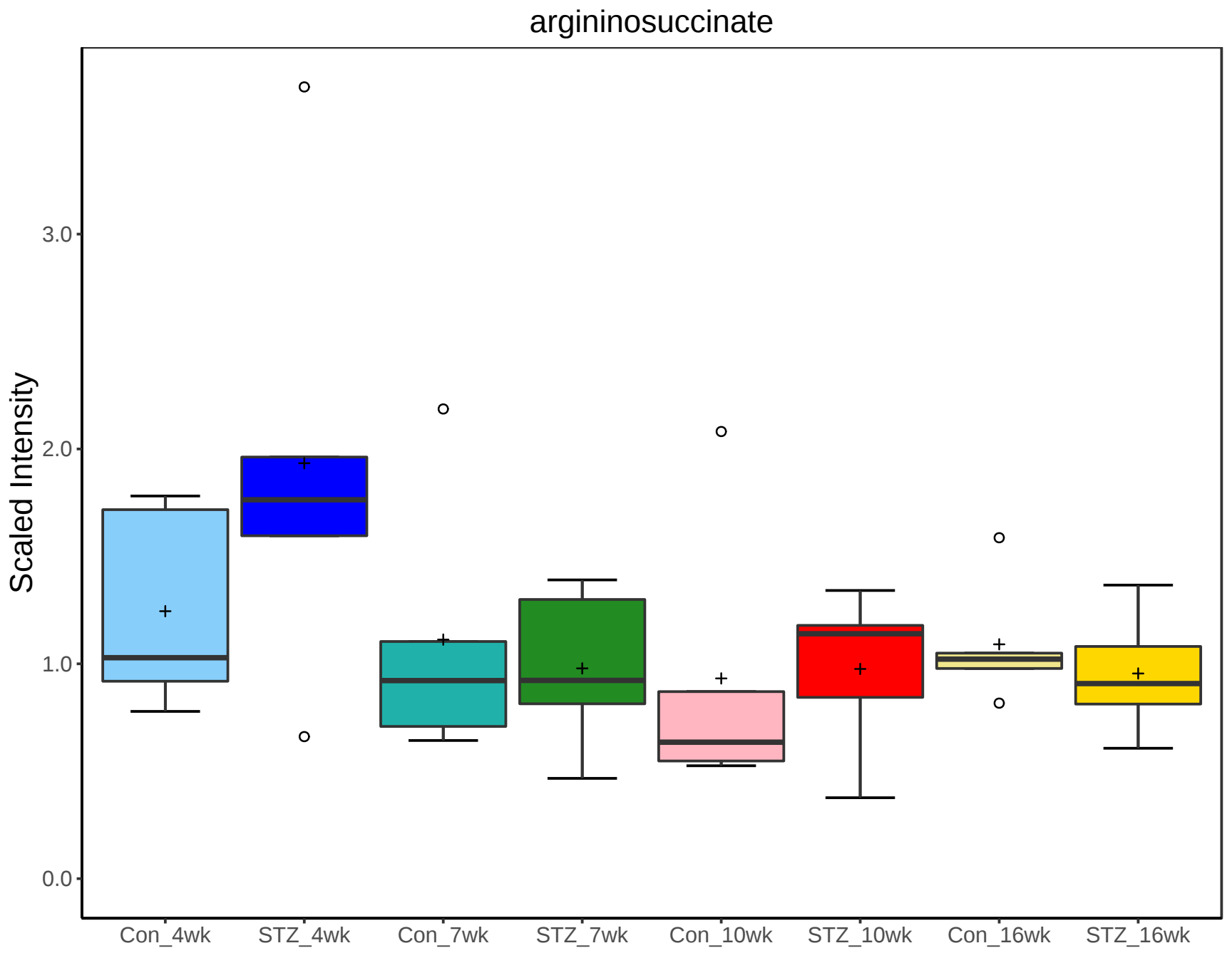

taurine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

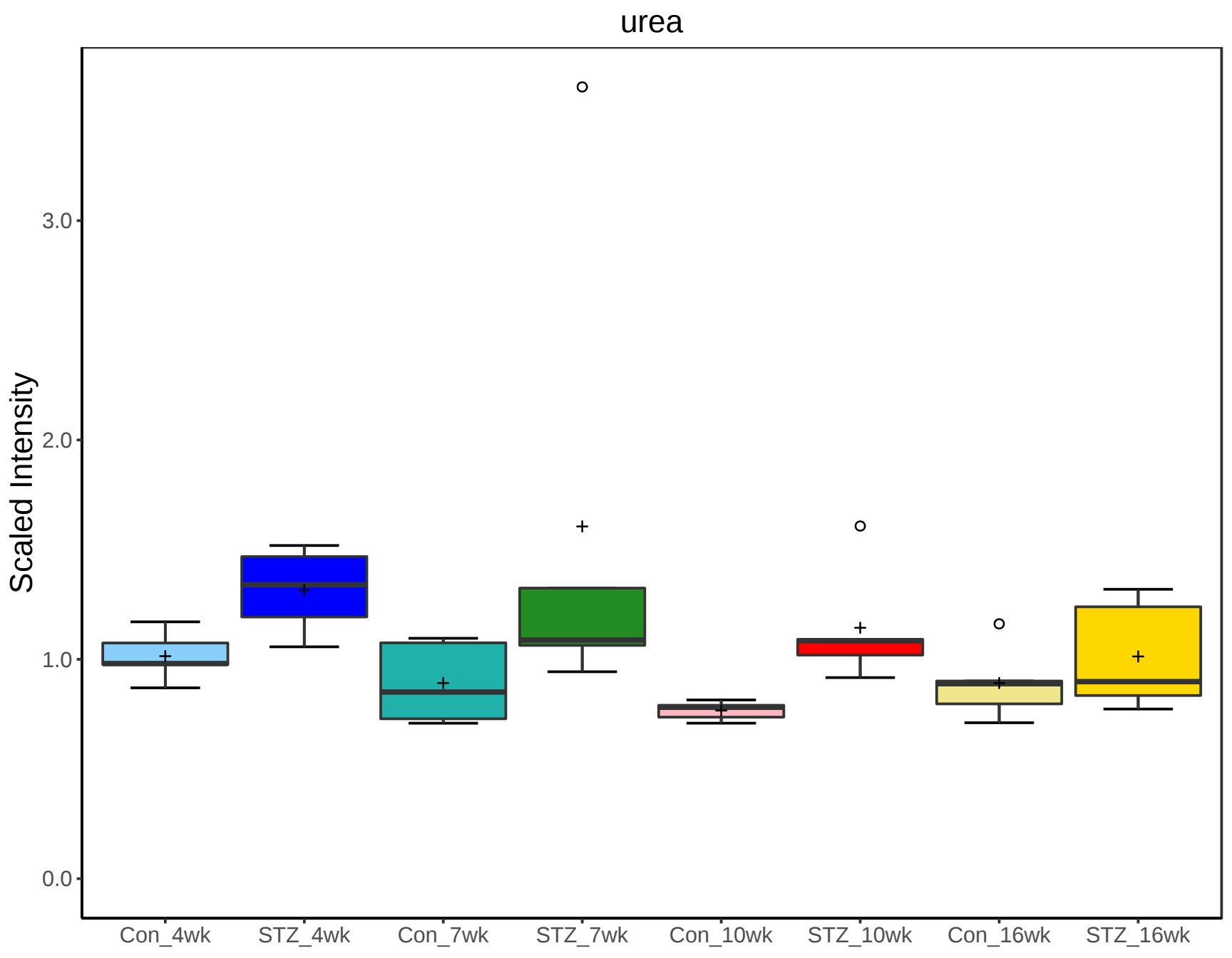

N-acetyltaurine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

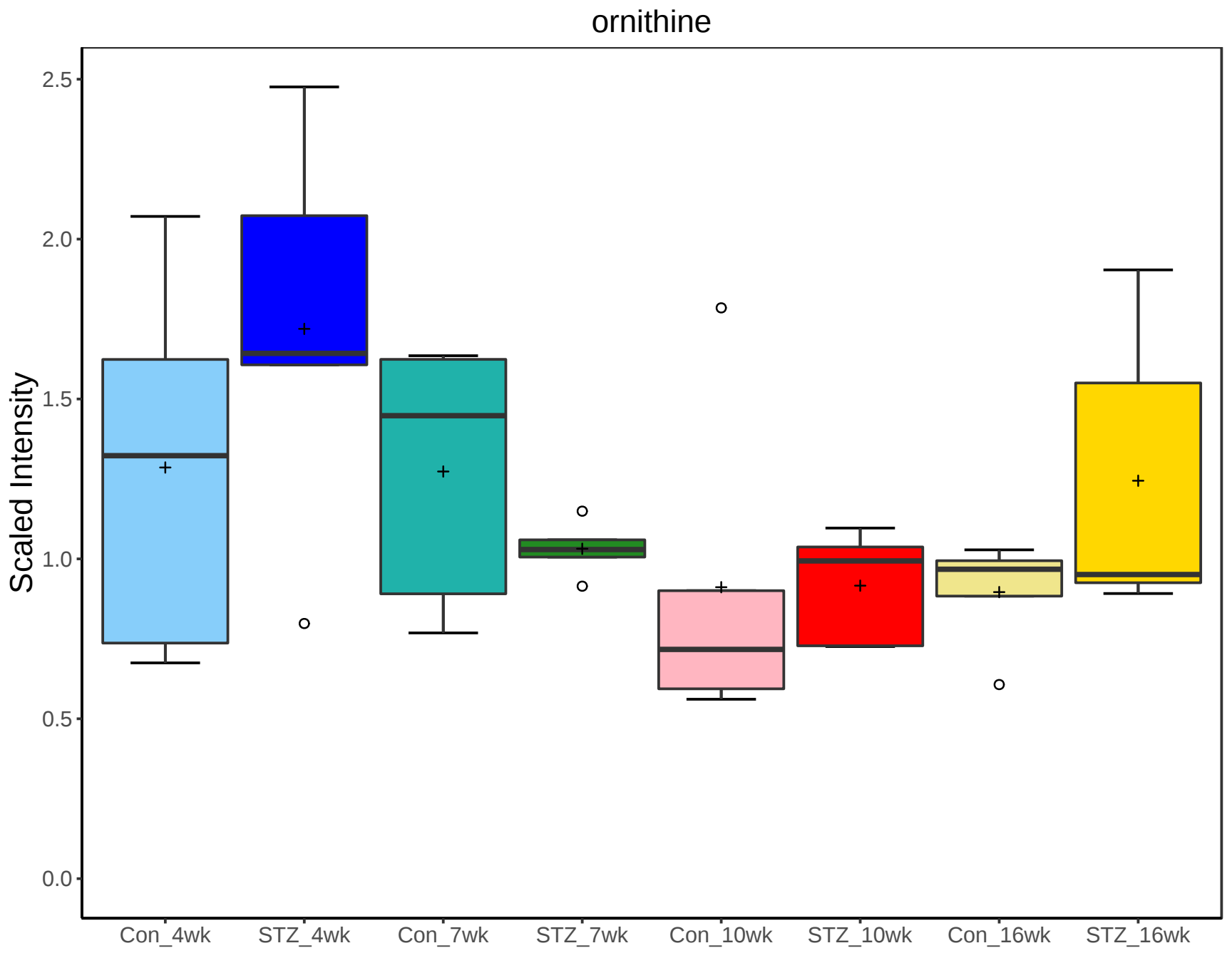

succinoyltaurine
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

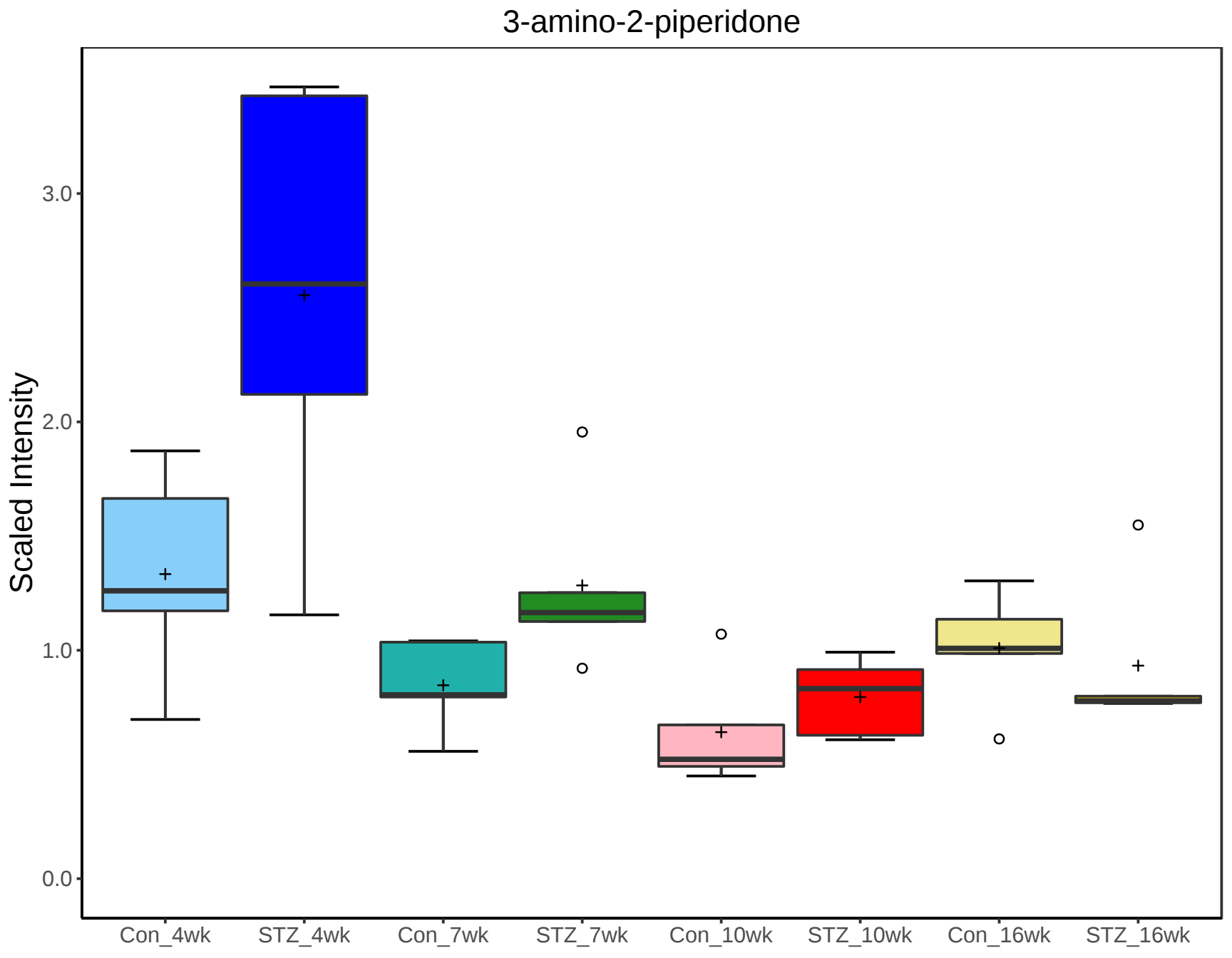

taurocyamine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

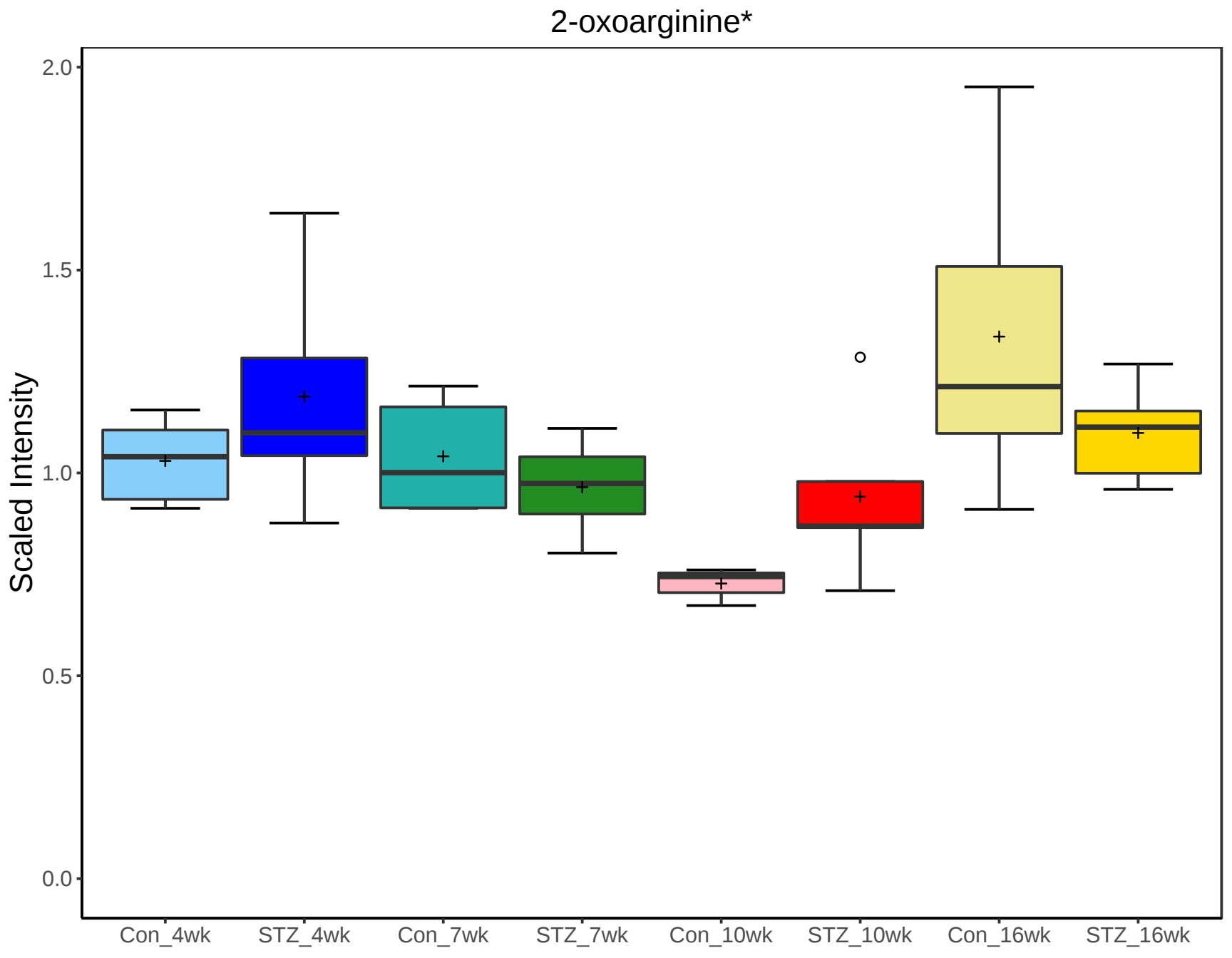

arginine
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

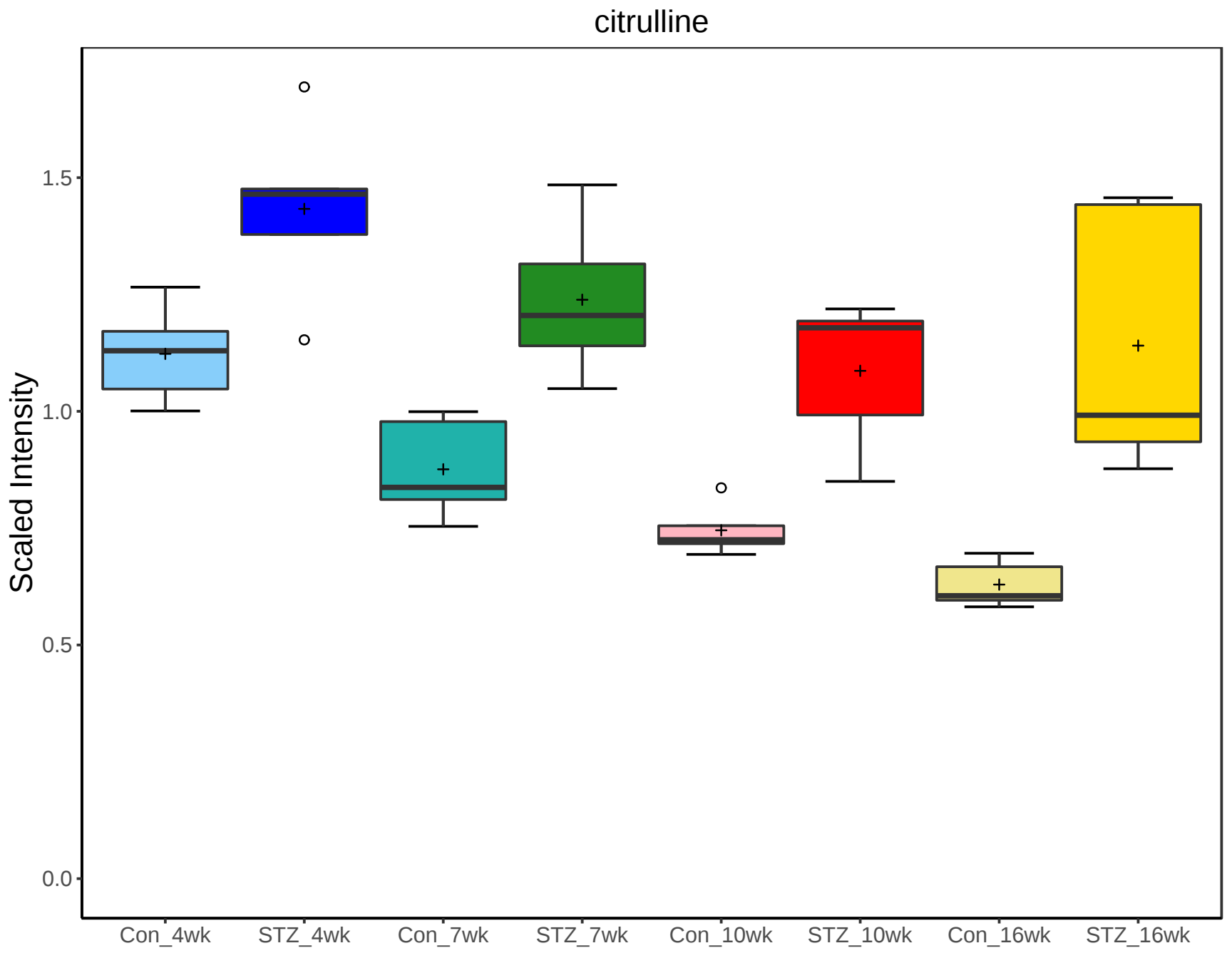

argininosuccinate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

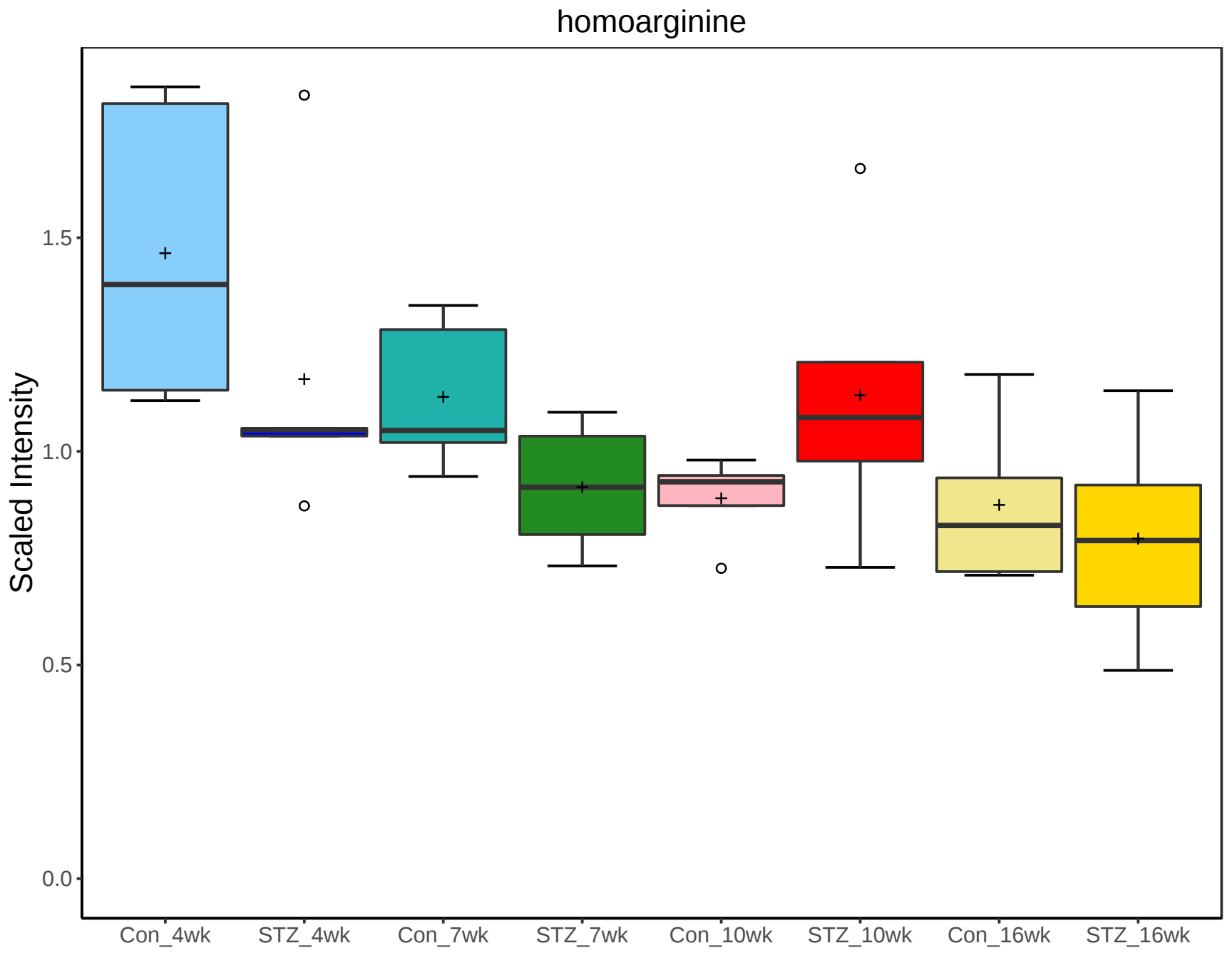

urea
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

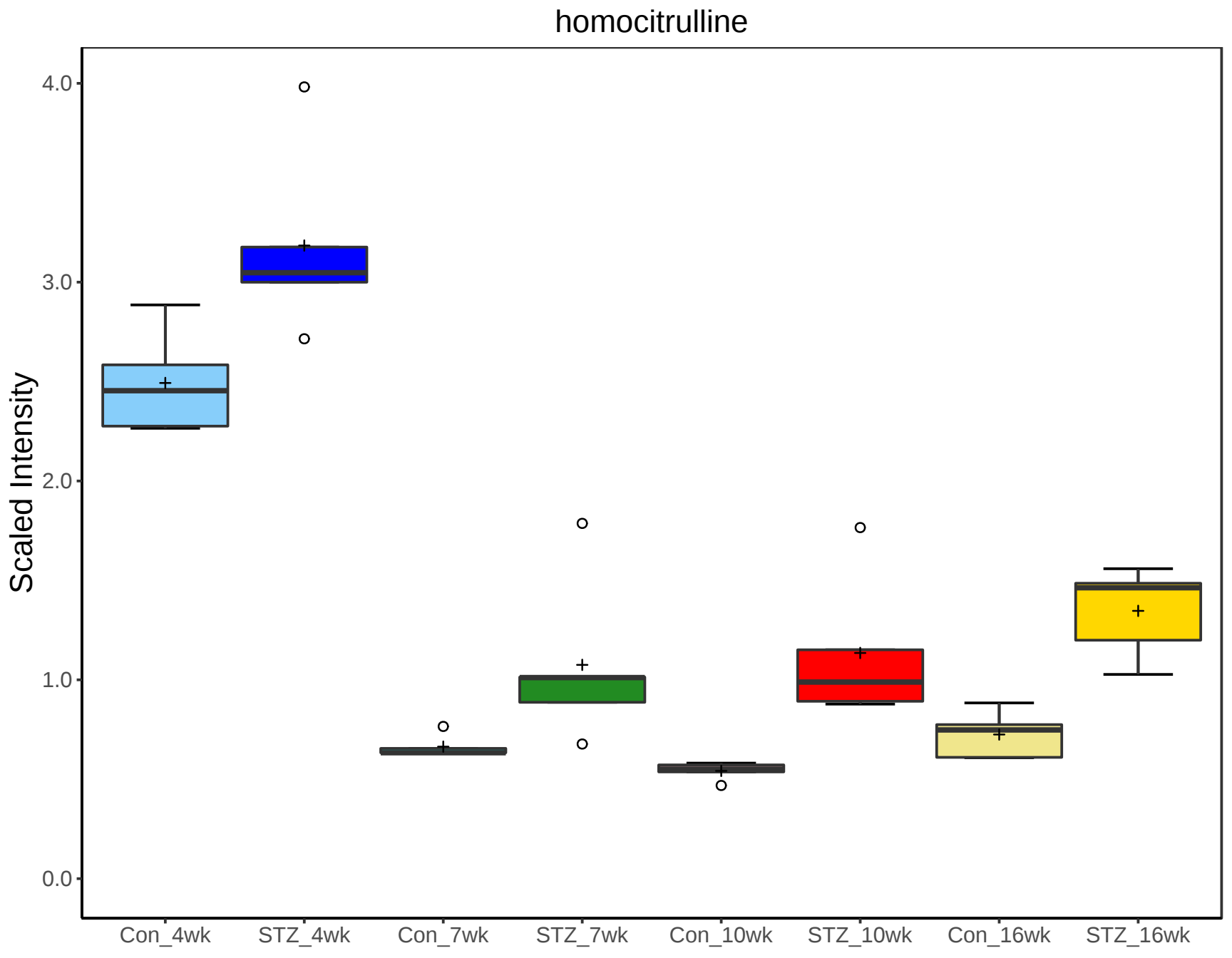

ornithine
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

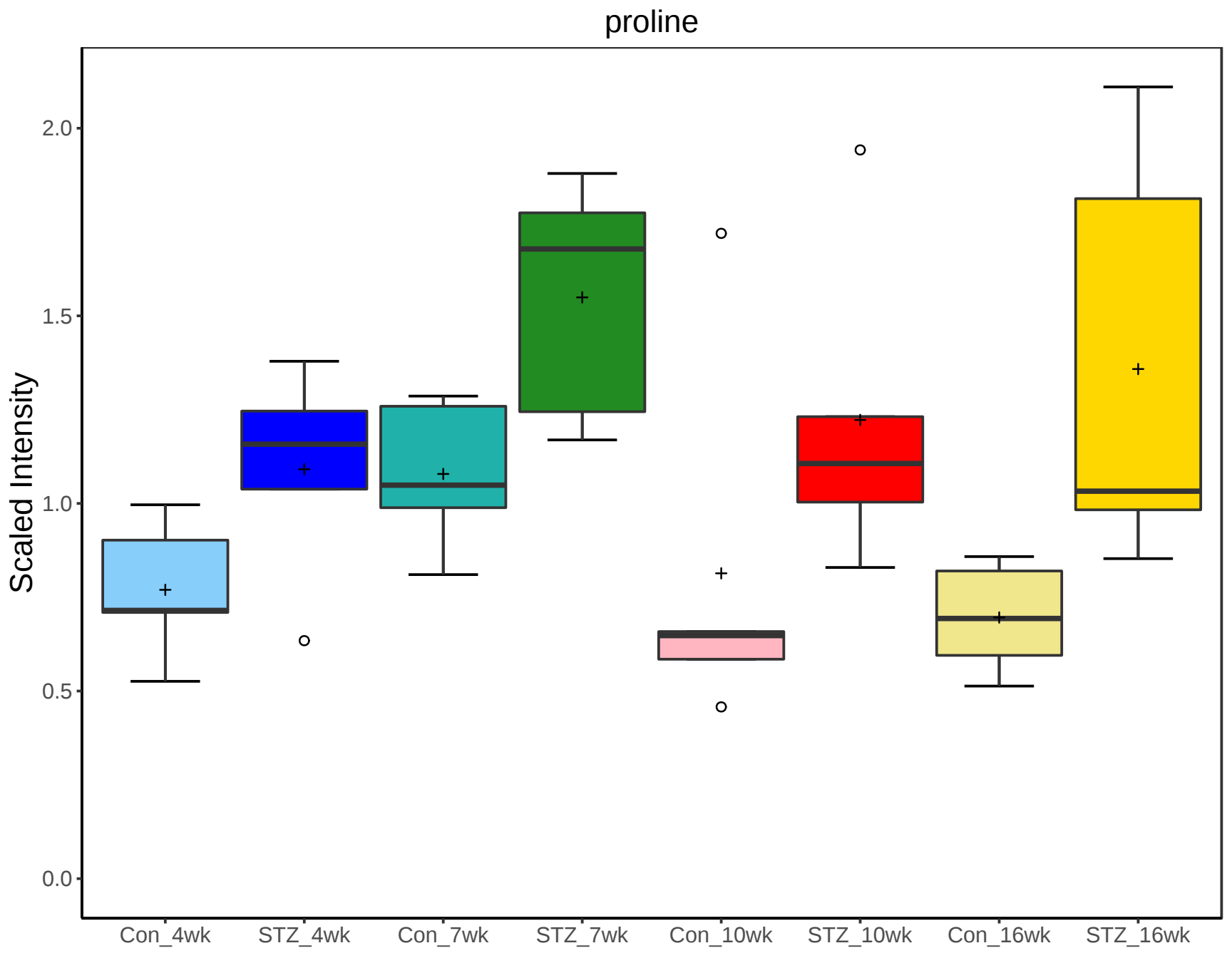

3-amino-2-piperidone
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

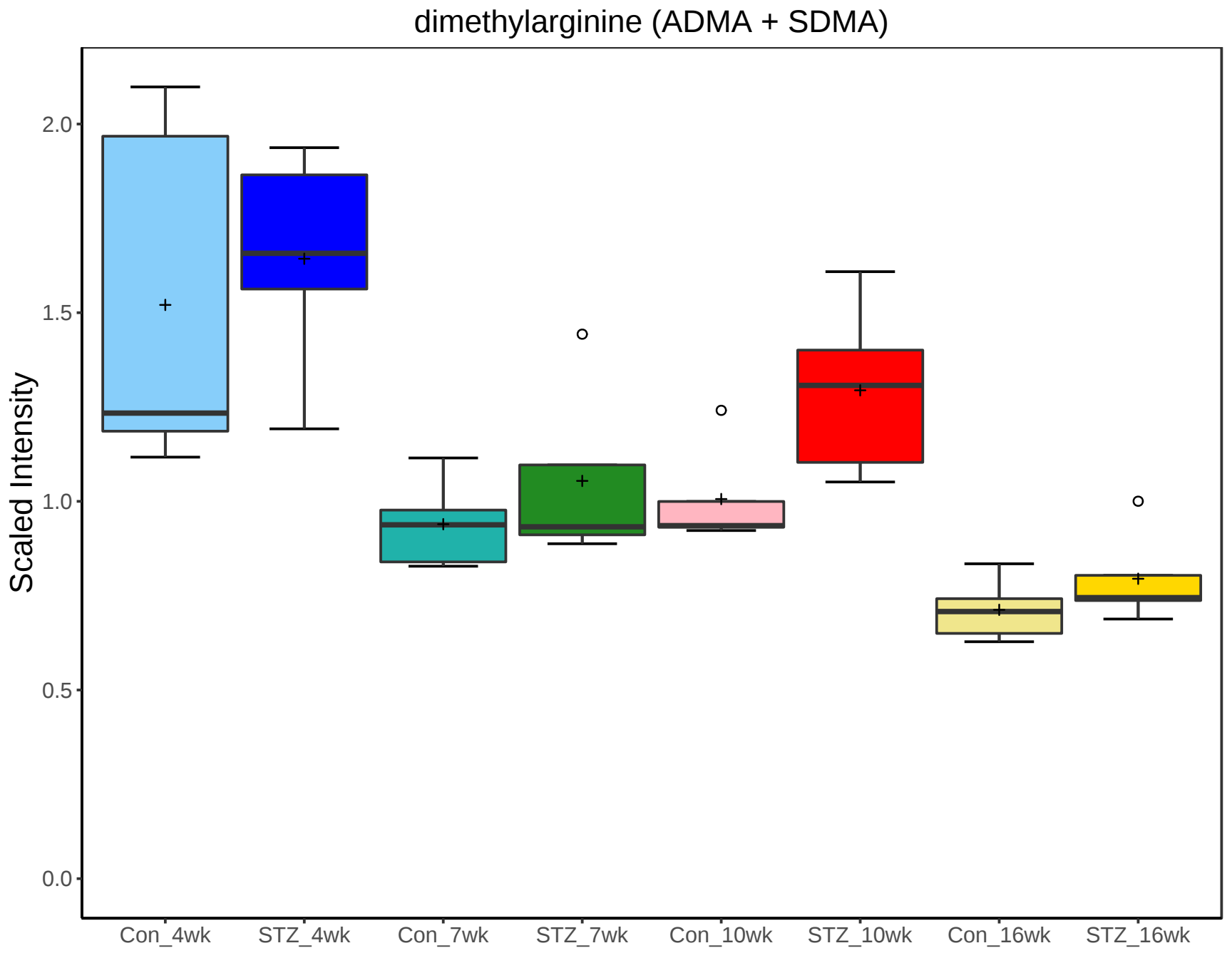

2-oxoarginine*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

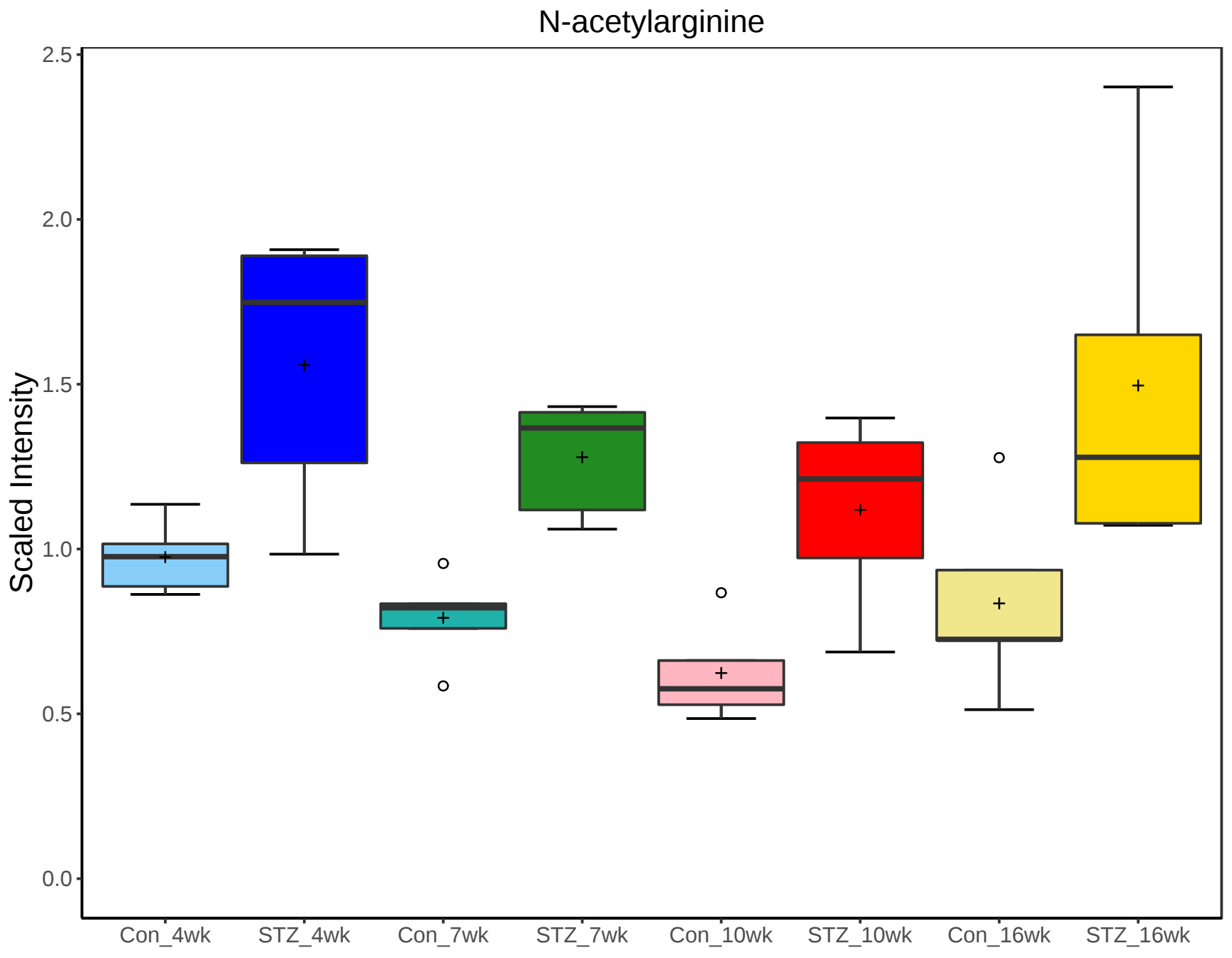

citrulline
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

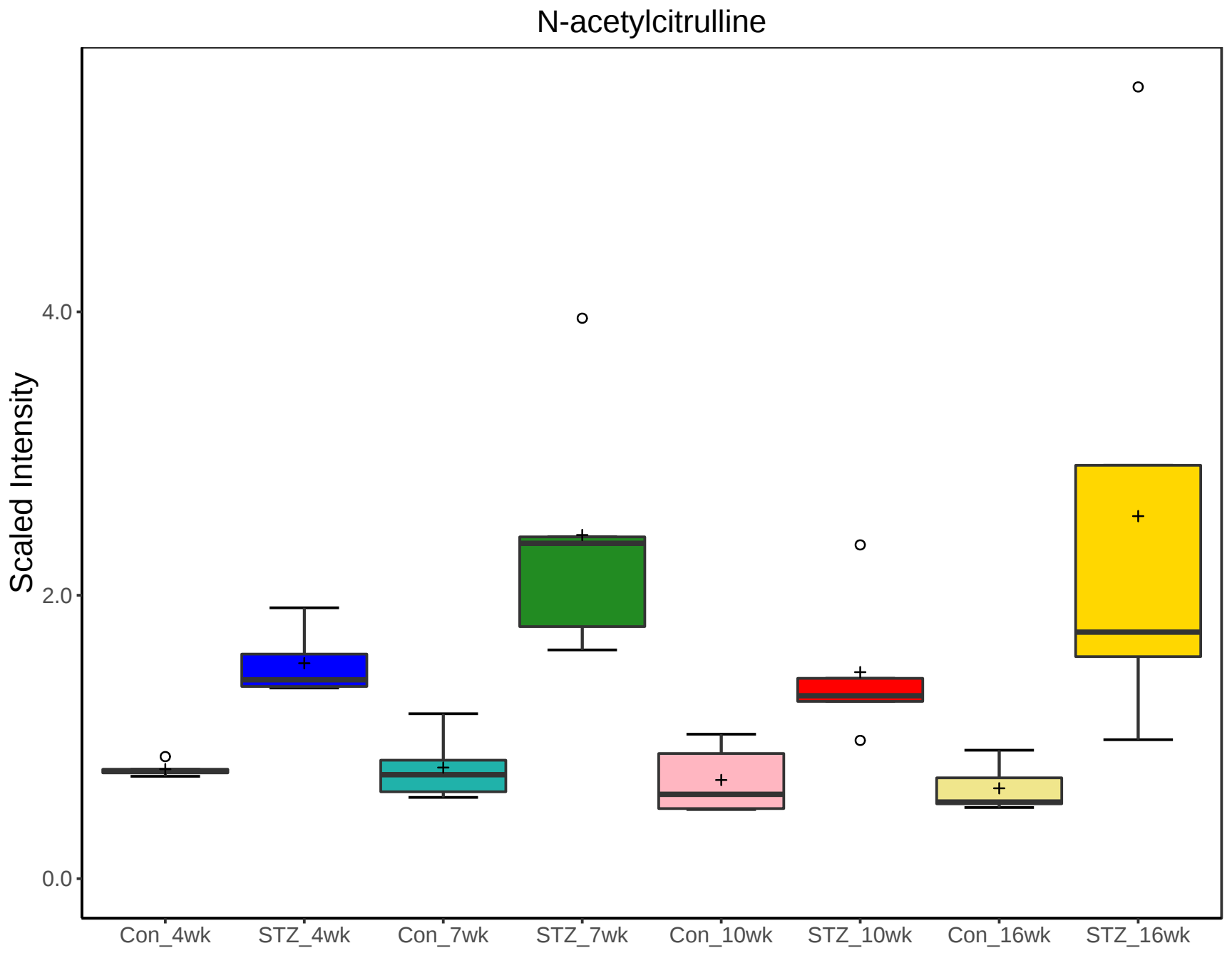

homoarginine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

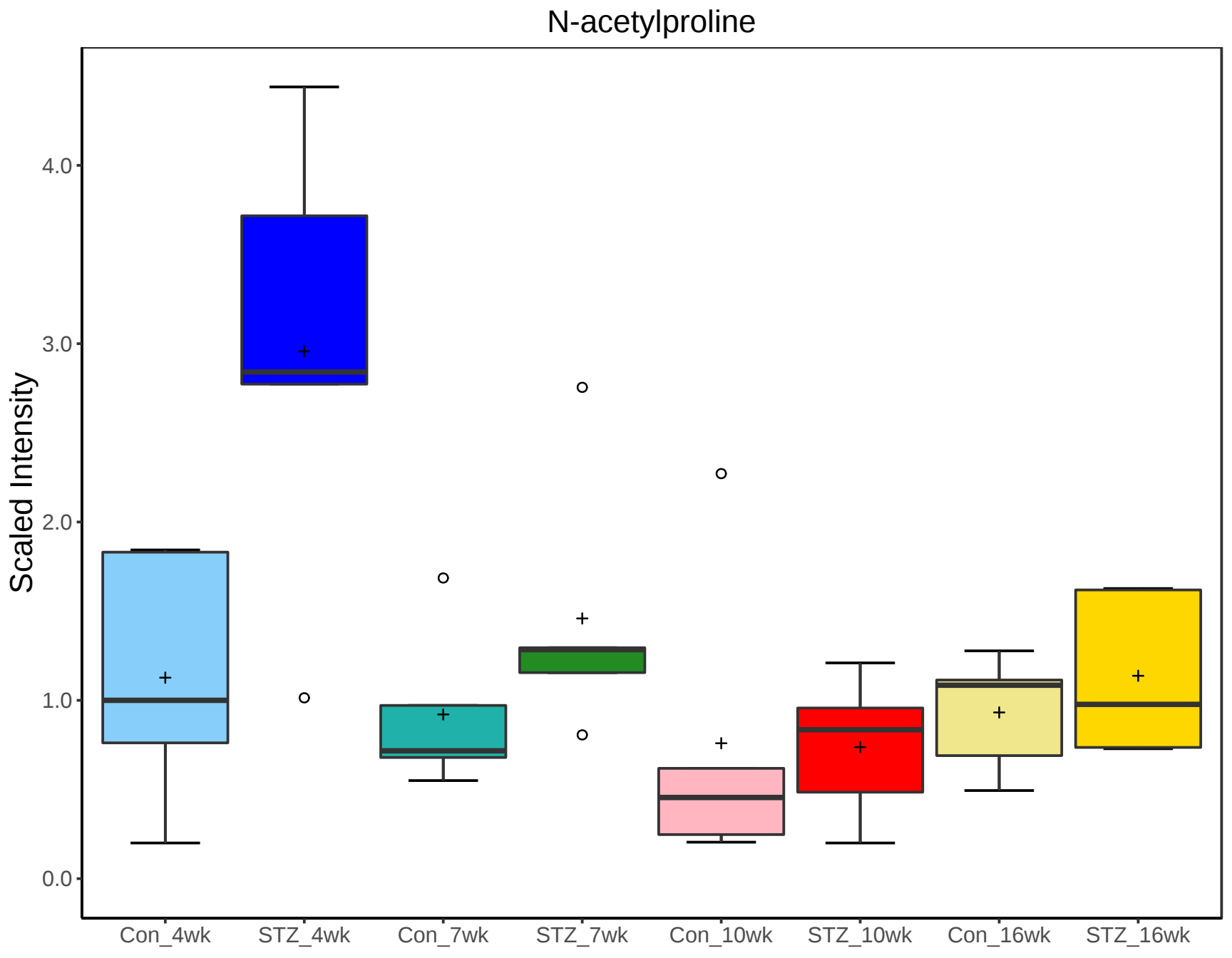

homocitrulline
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

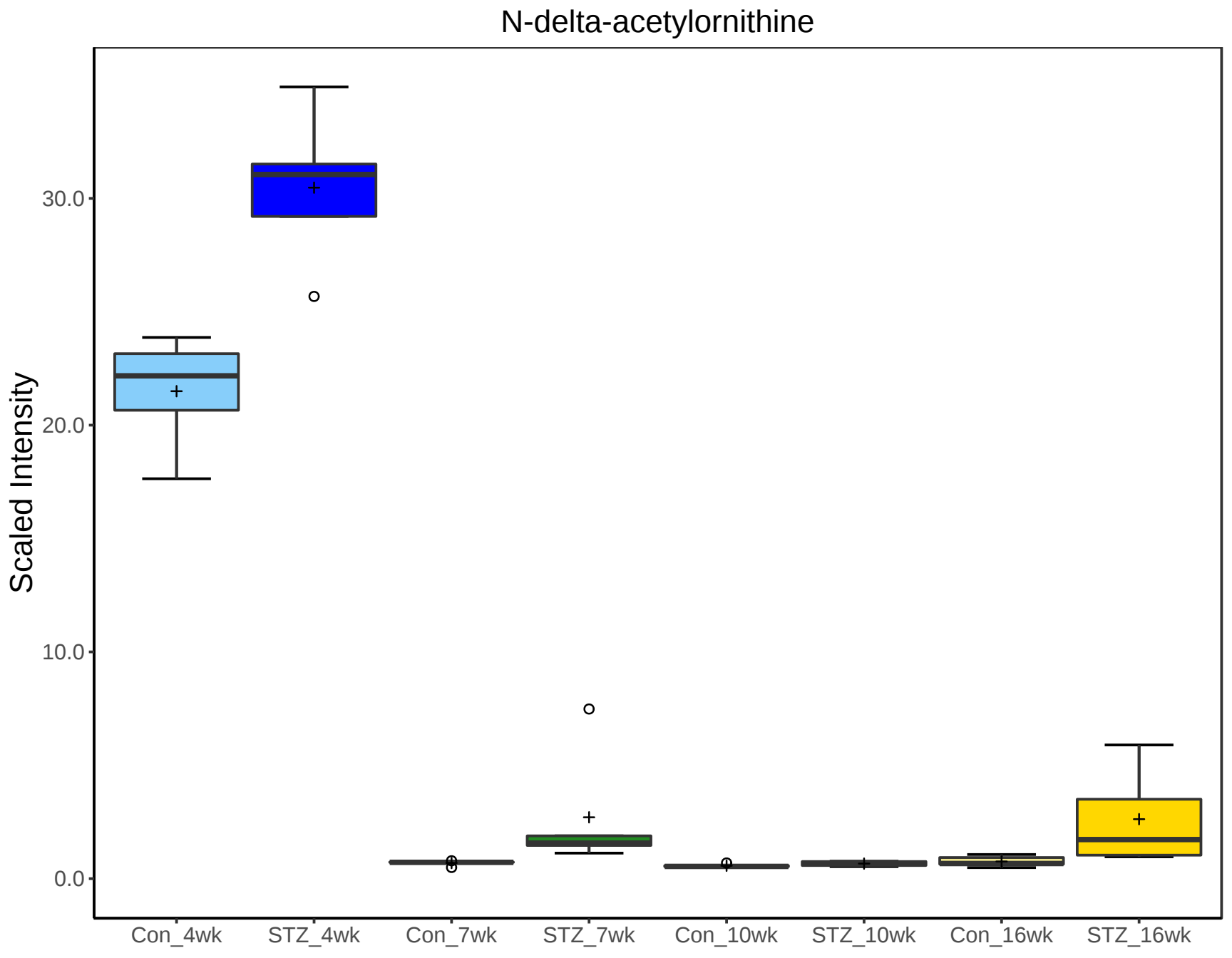

proline
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

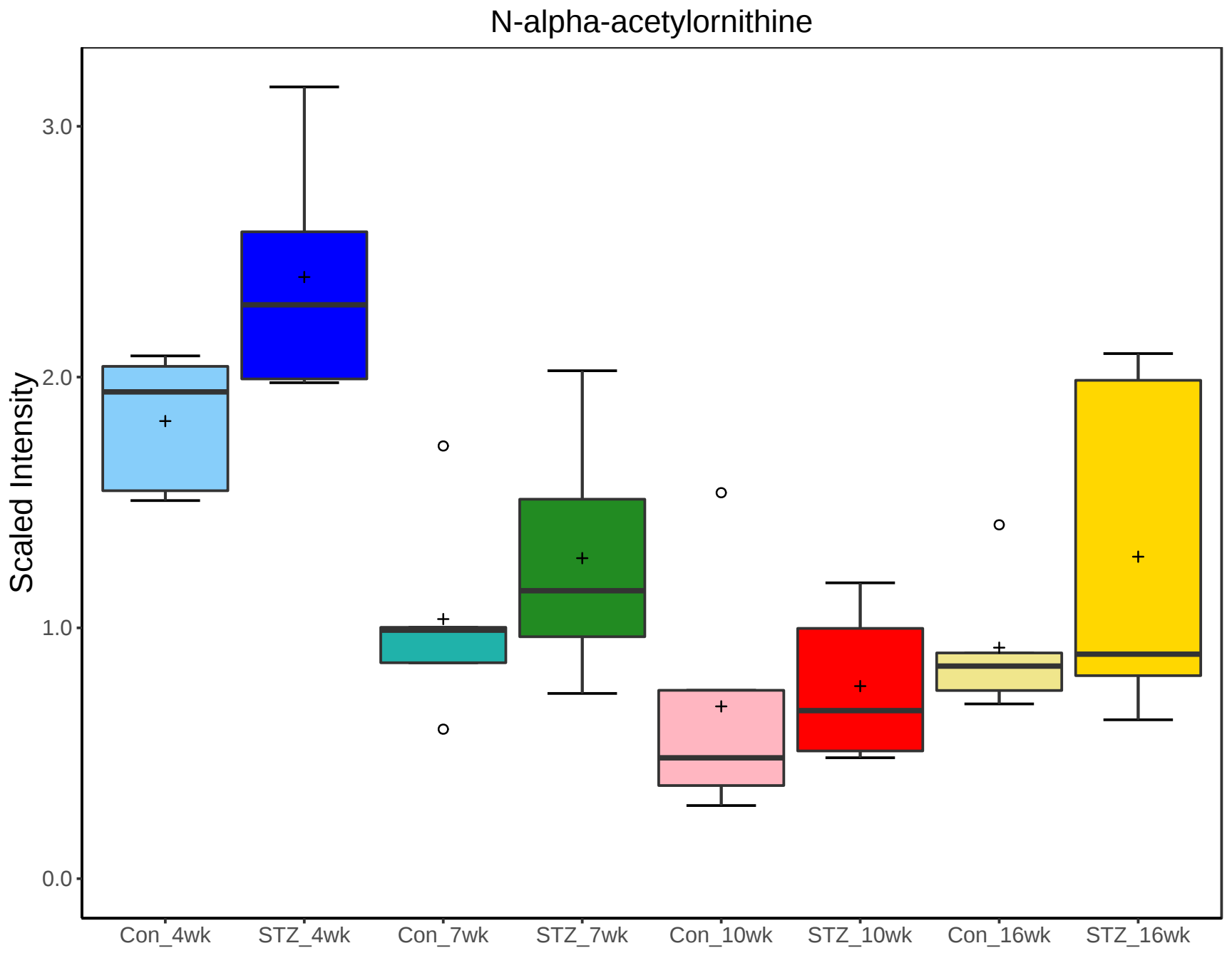

dimethylarginine (ADMA + SDMA)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

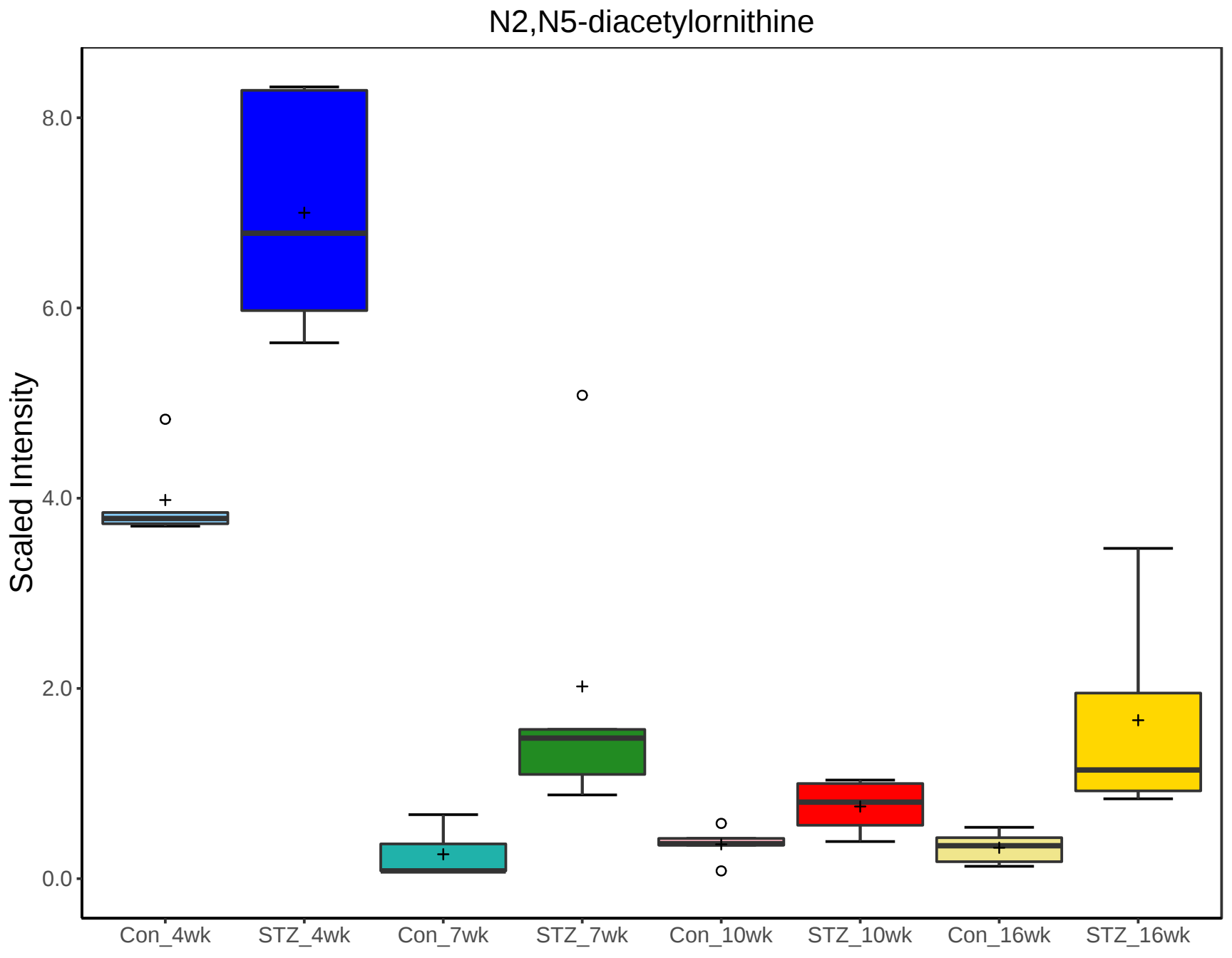

N-acetylarginine
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

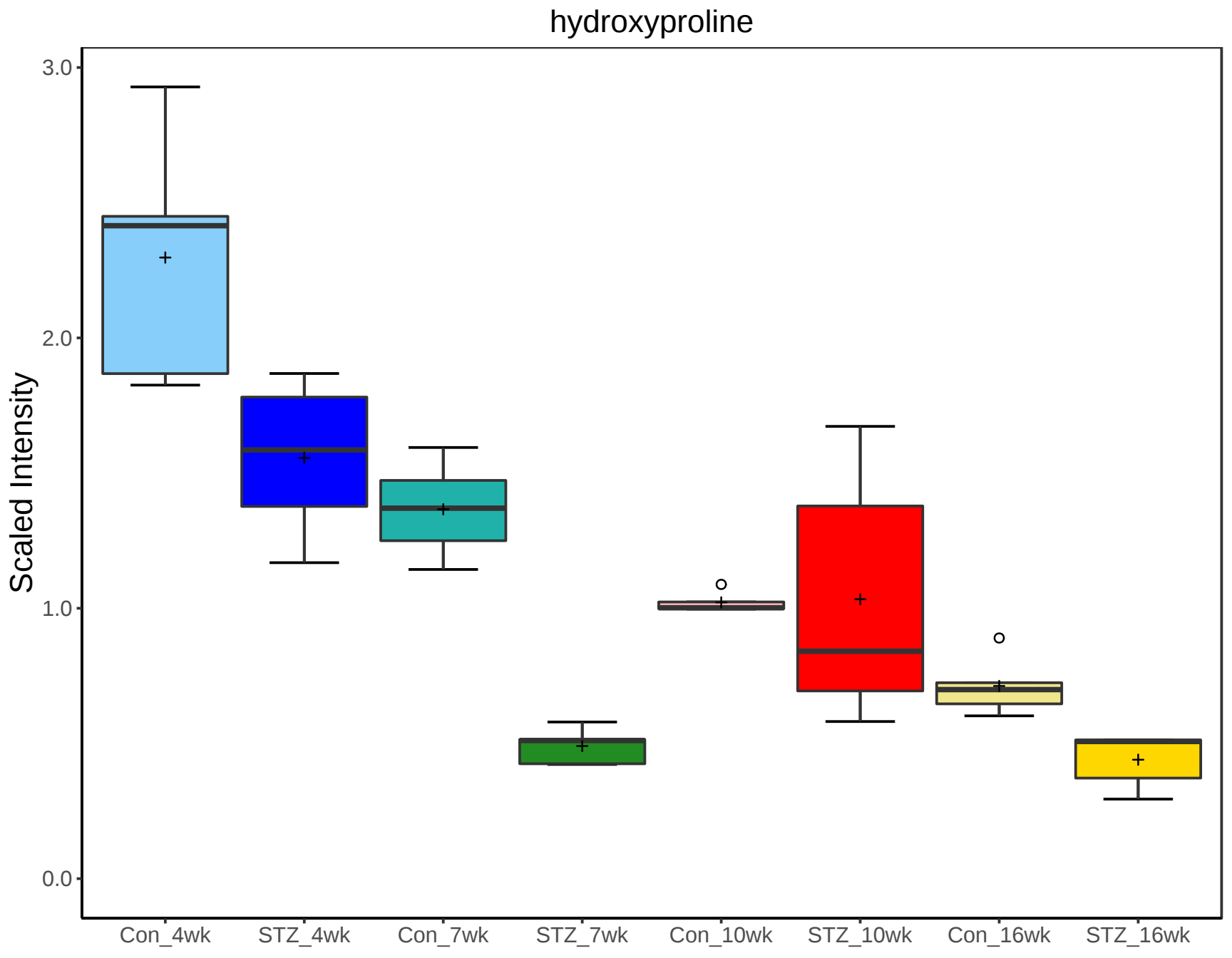

N-acetylcitrulline
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

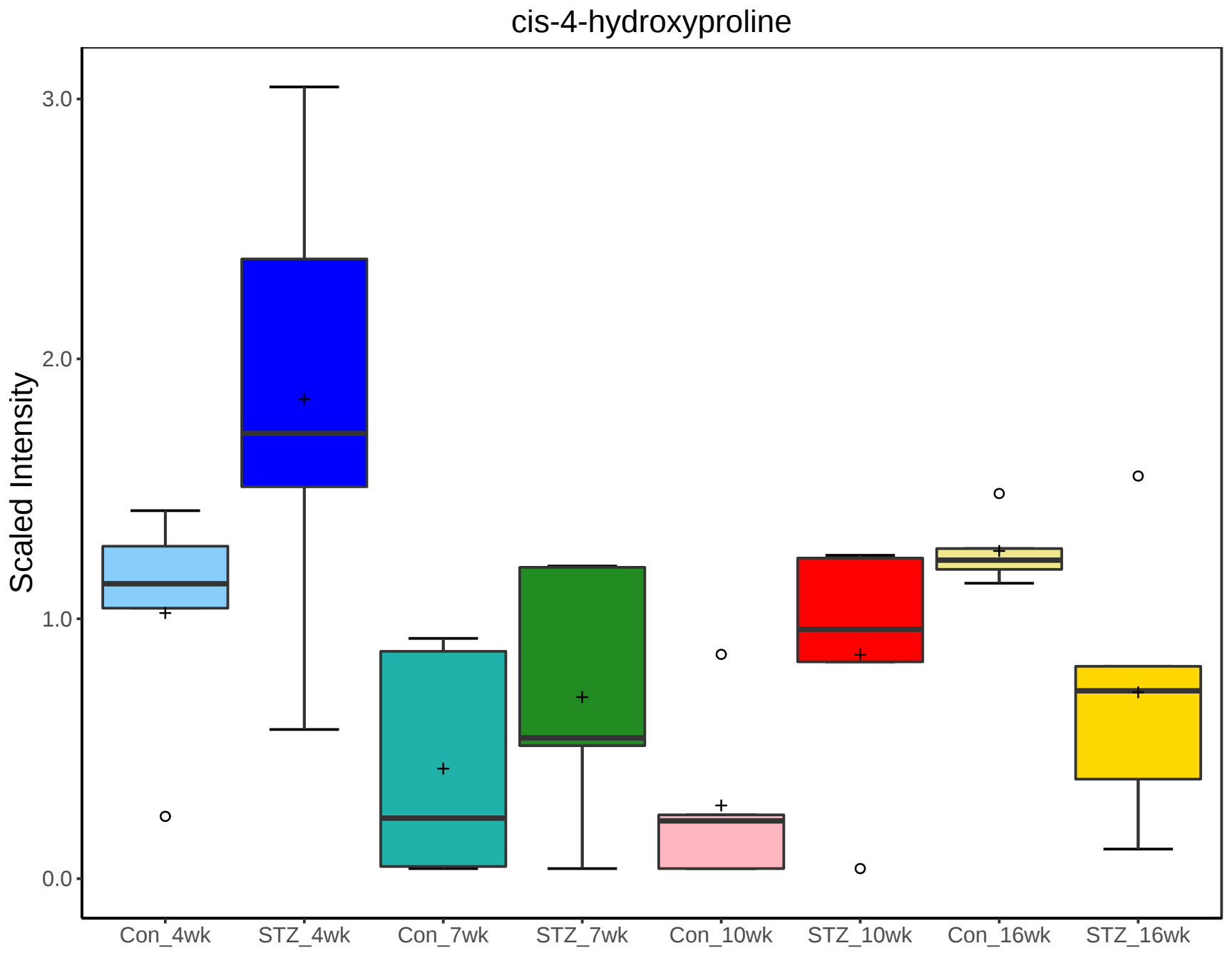

N-acetylproline
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

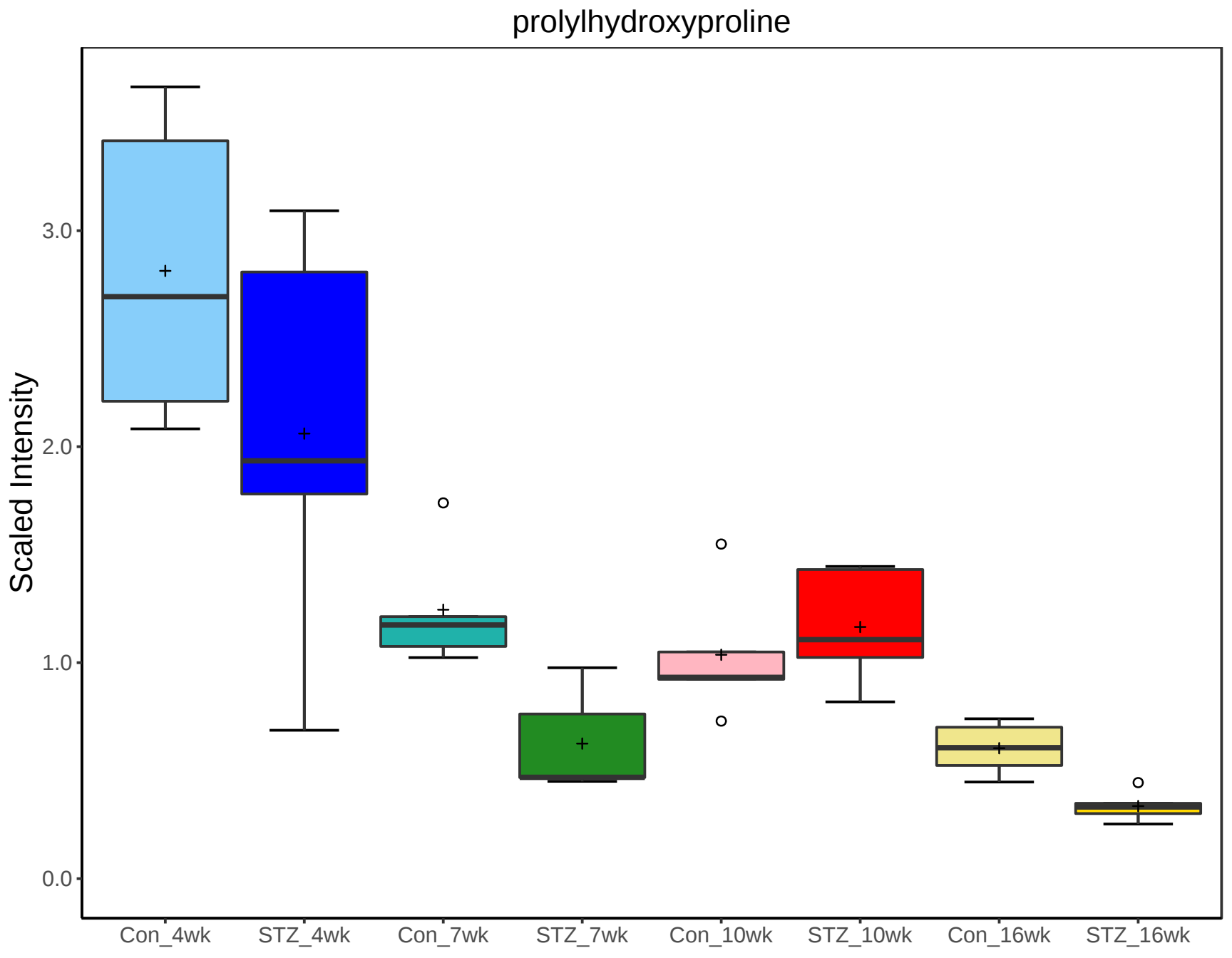

N-delta-acetylornithine
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

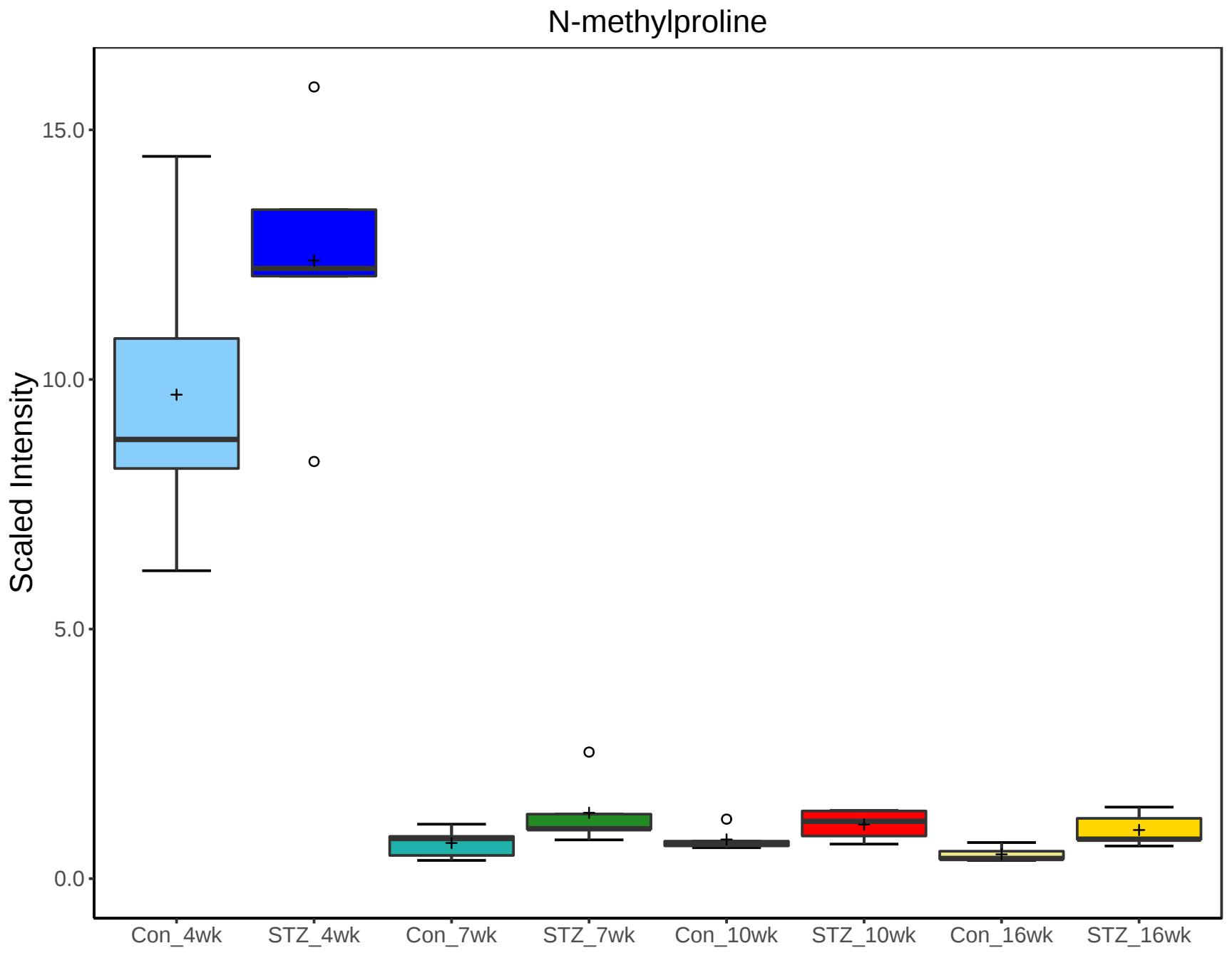

N-alpha-acetylornithine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

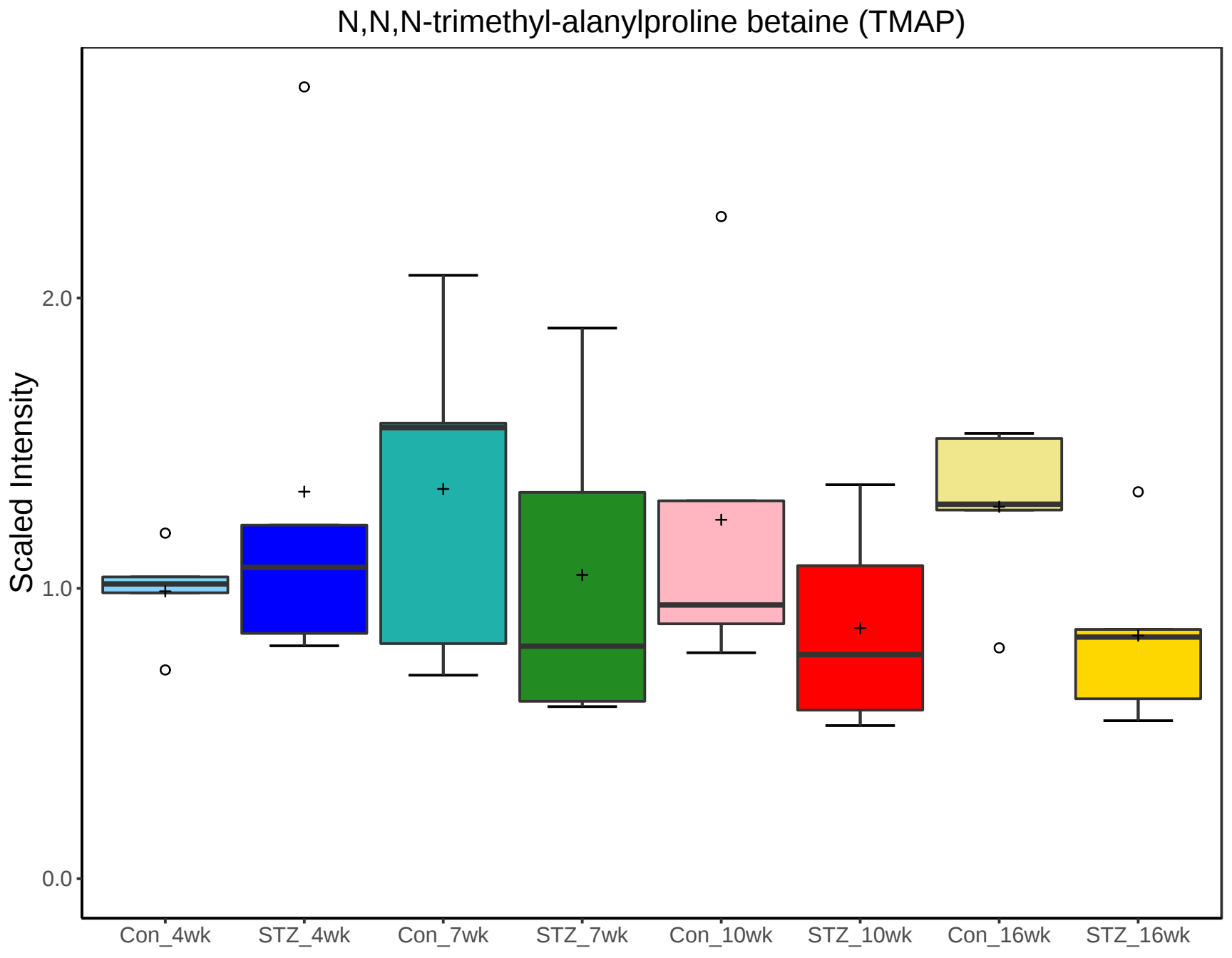

N2,N5-diacetylornithine
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

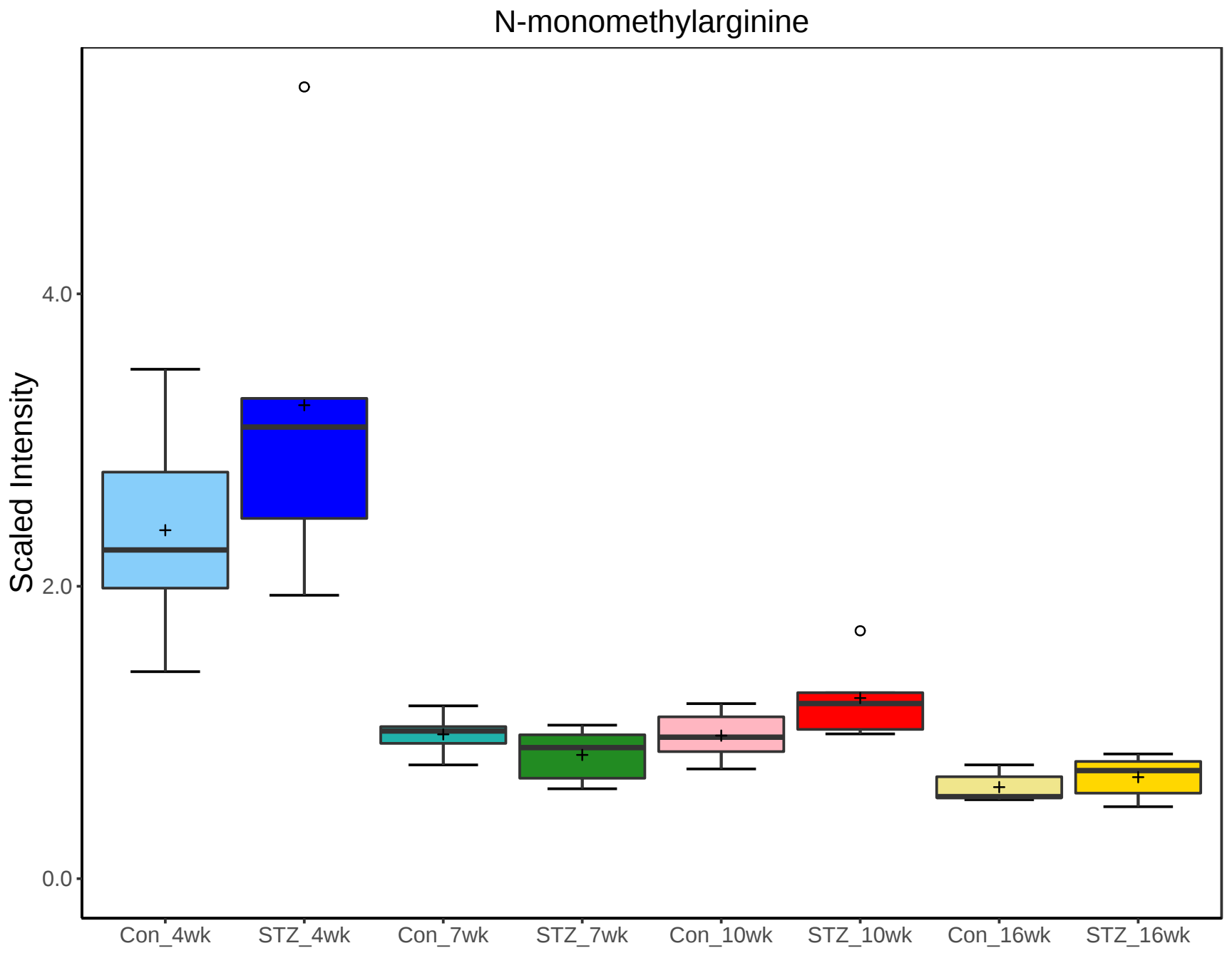

hydroxyproline
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

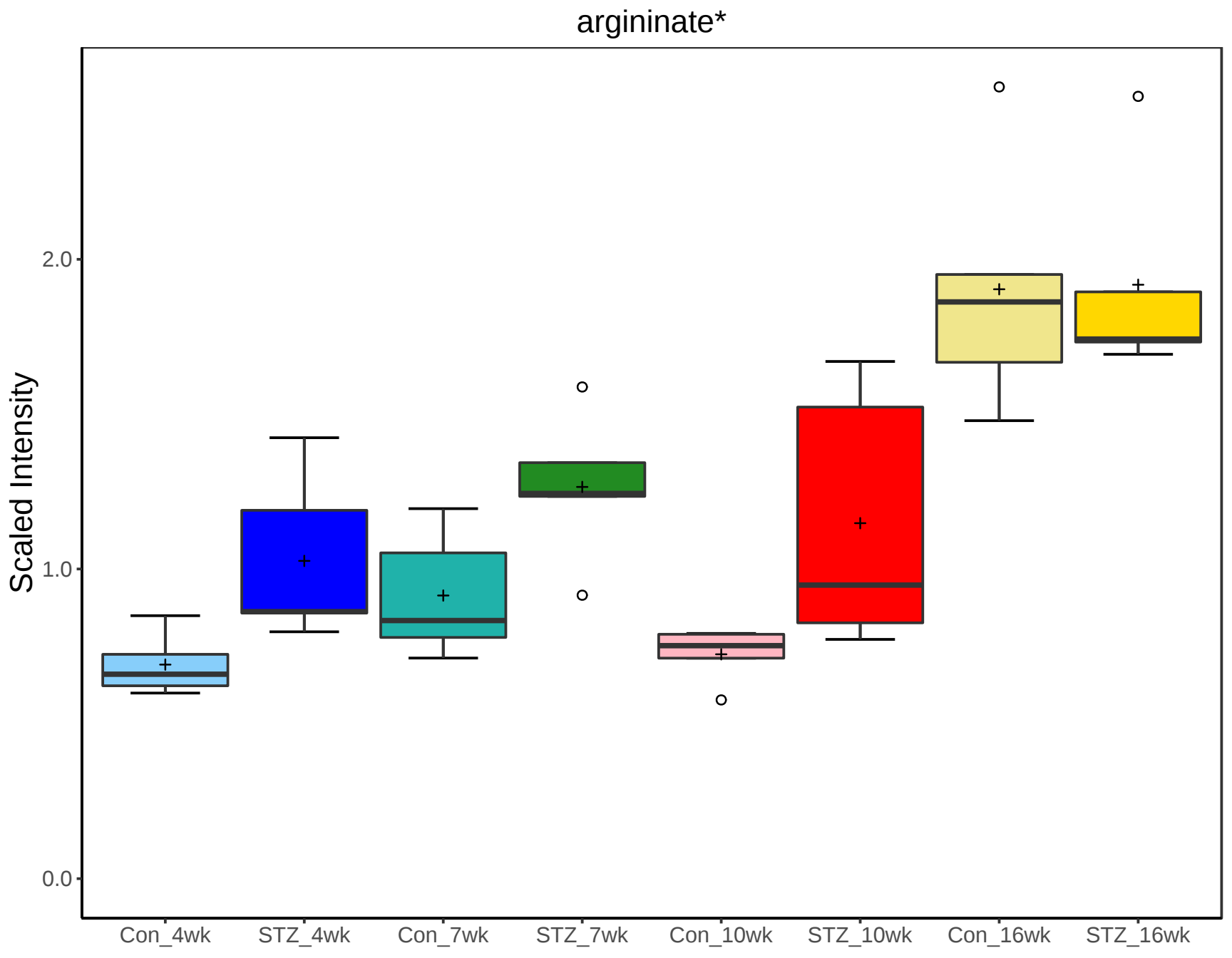

cis-4-hydroxyproline
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

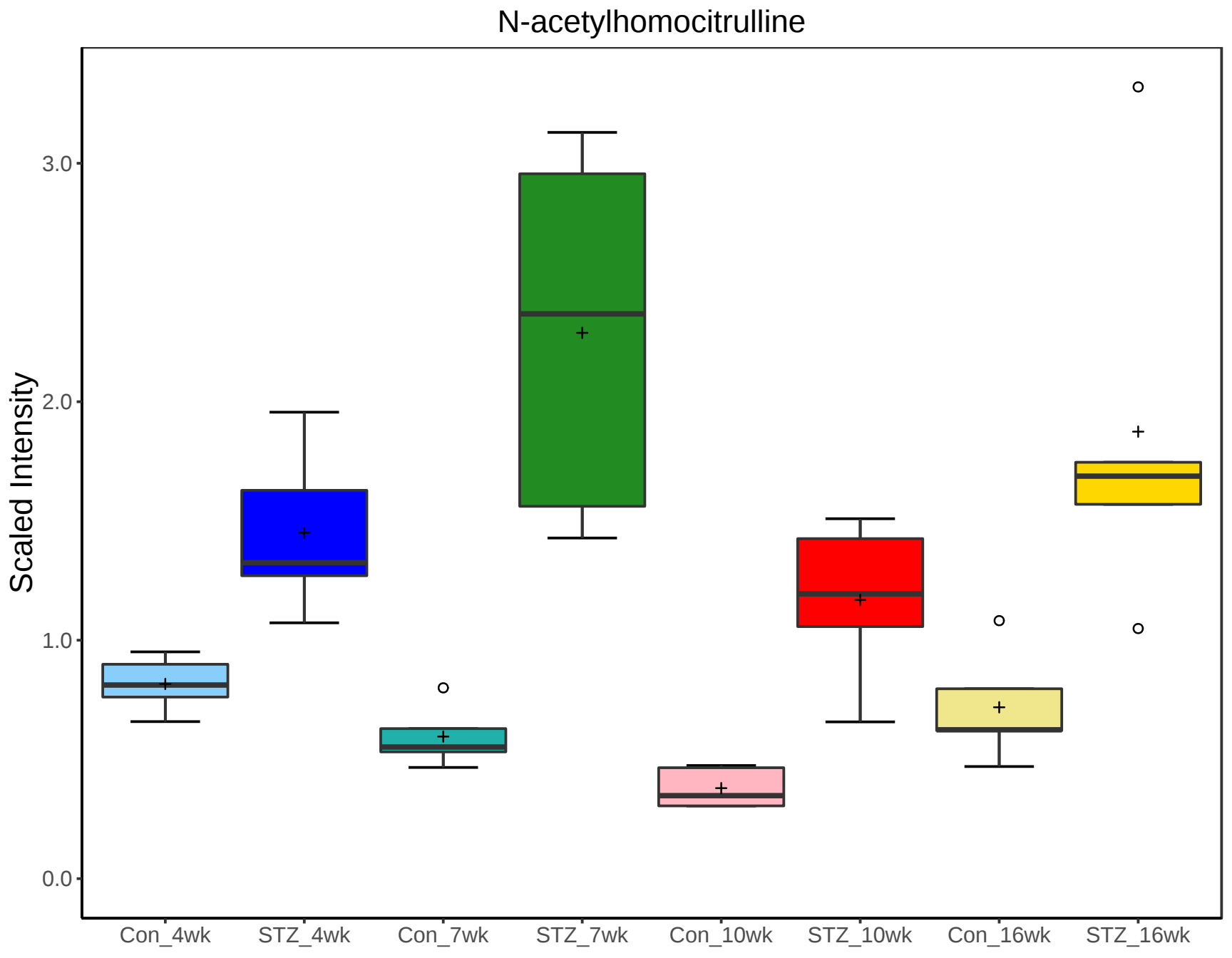

prolylhydroxyproline
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

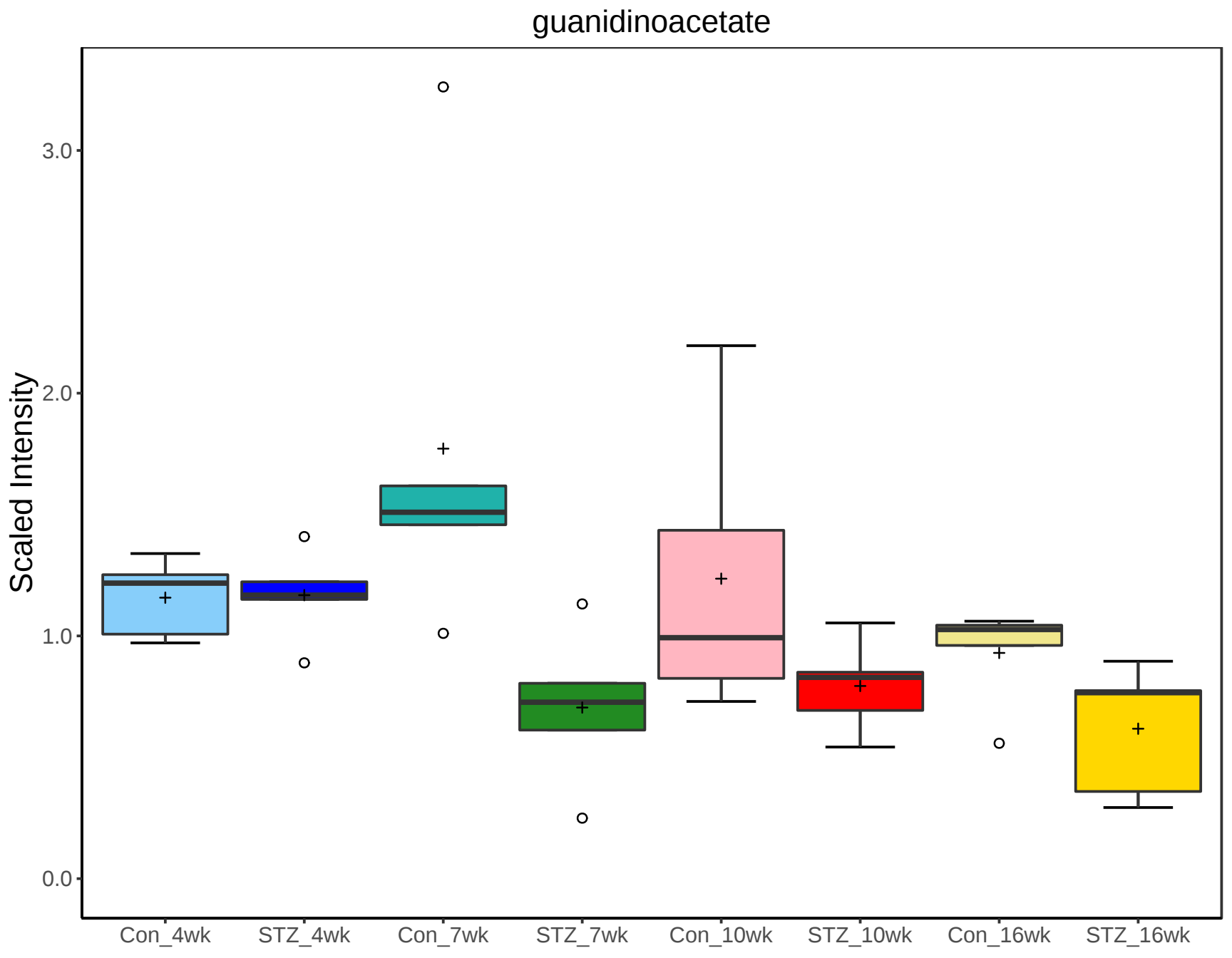

N-methylproline
Scaled Intensity
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

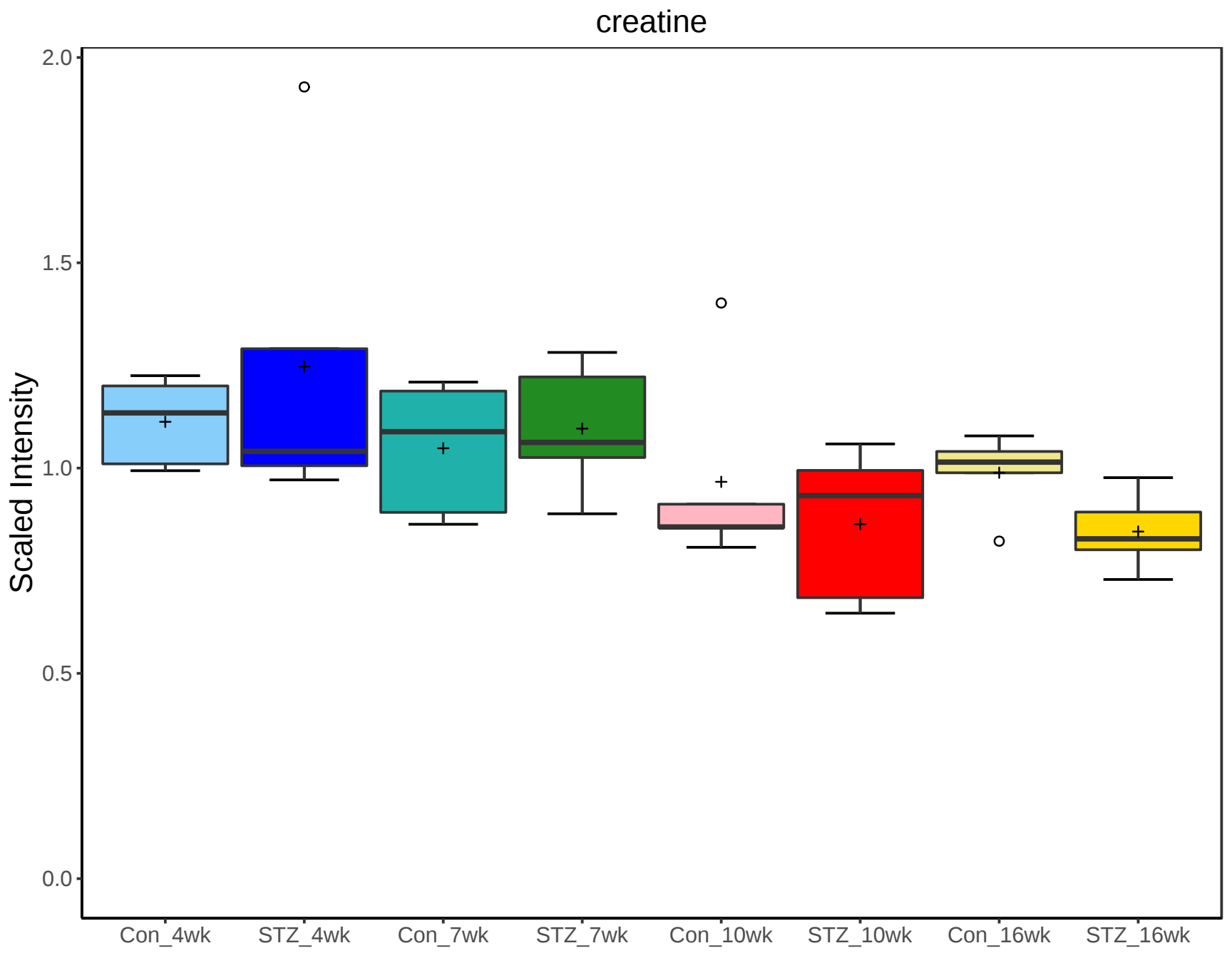

N,N,N-trimethyl-alanylproline betaine (TMAP)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

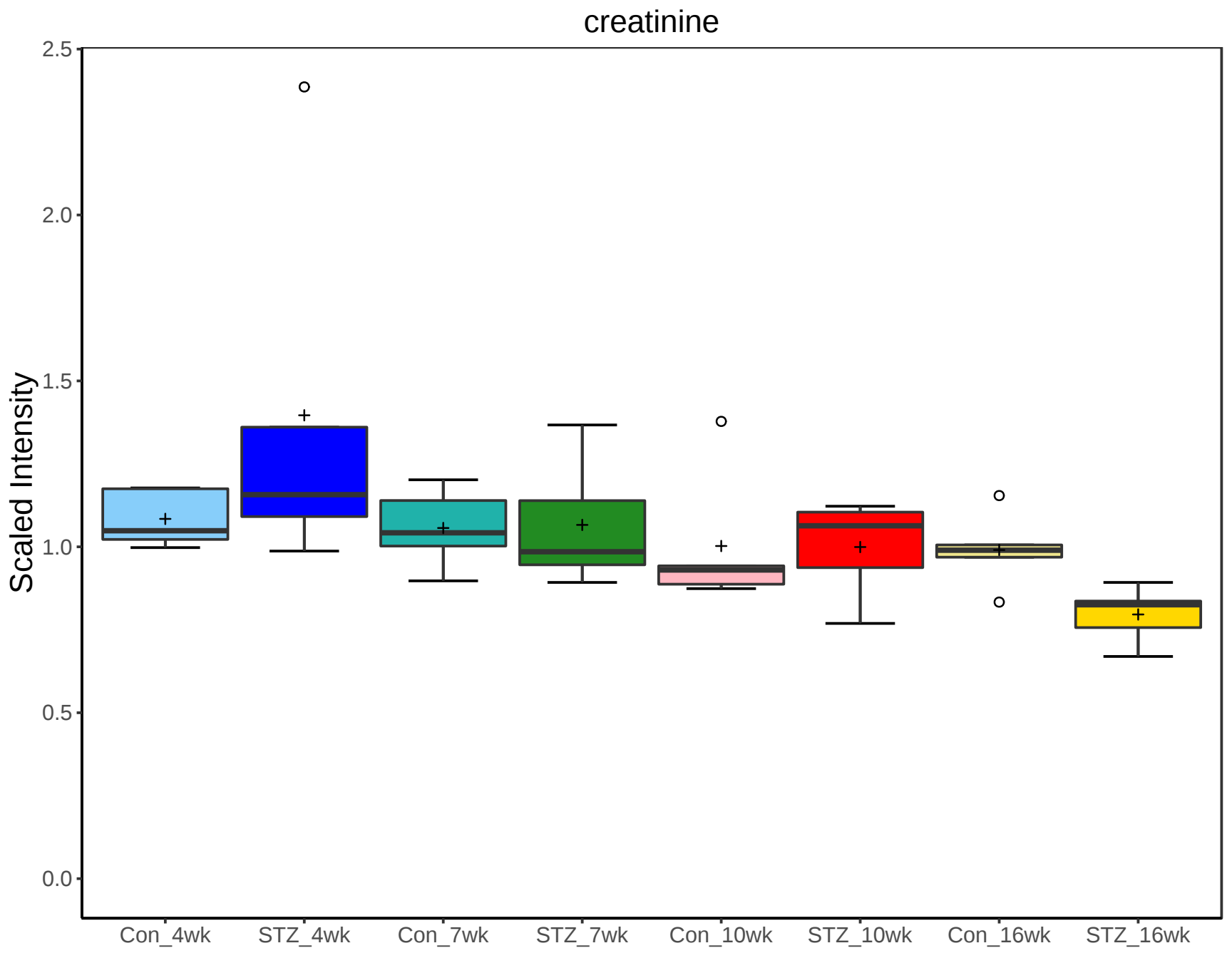

N-monomethylarginine
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

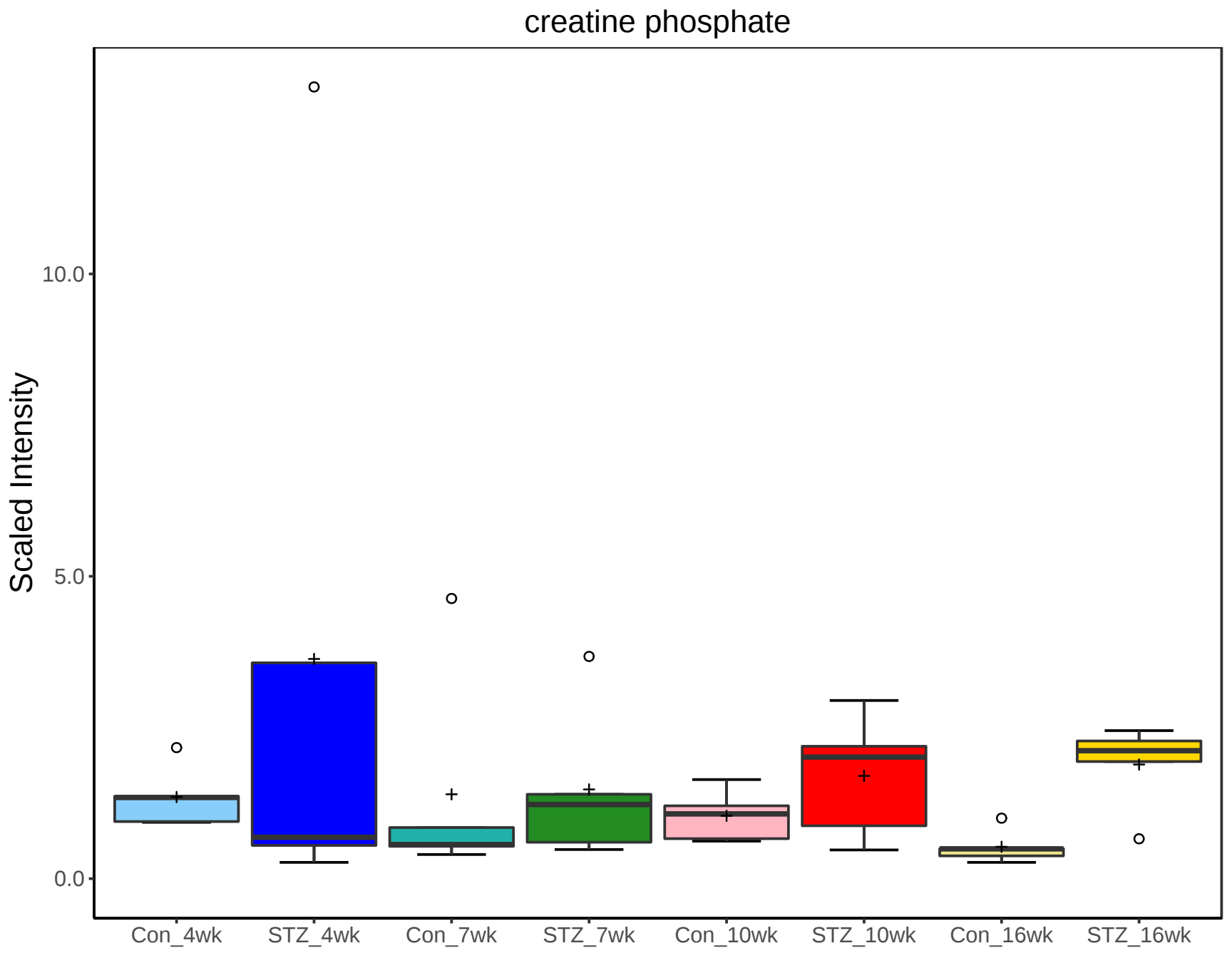

argininate*
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

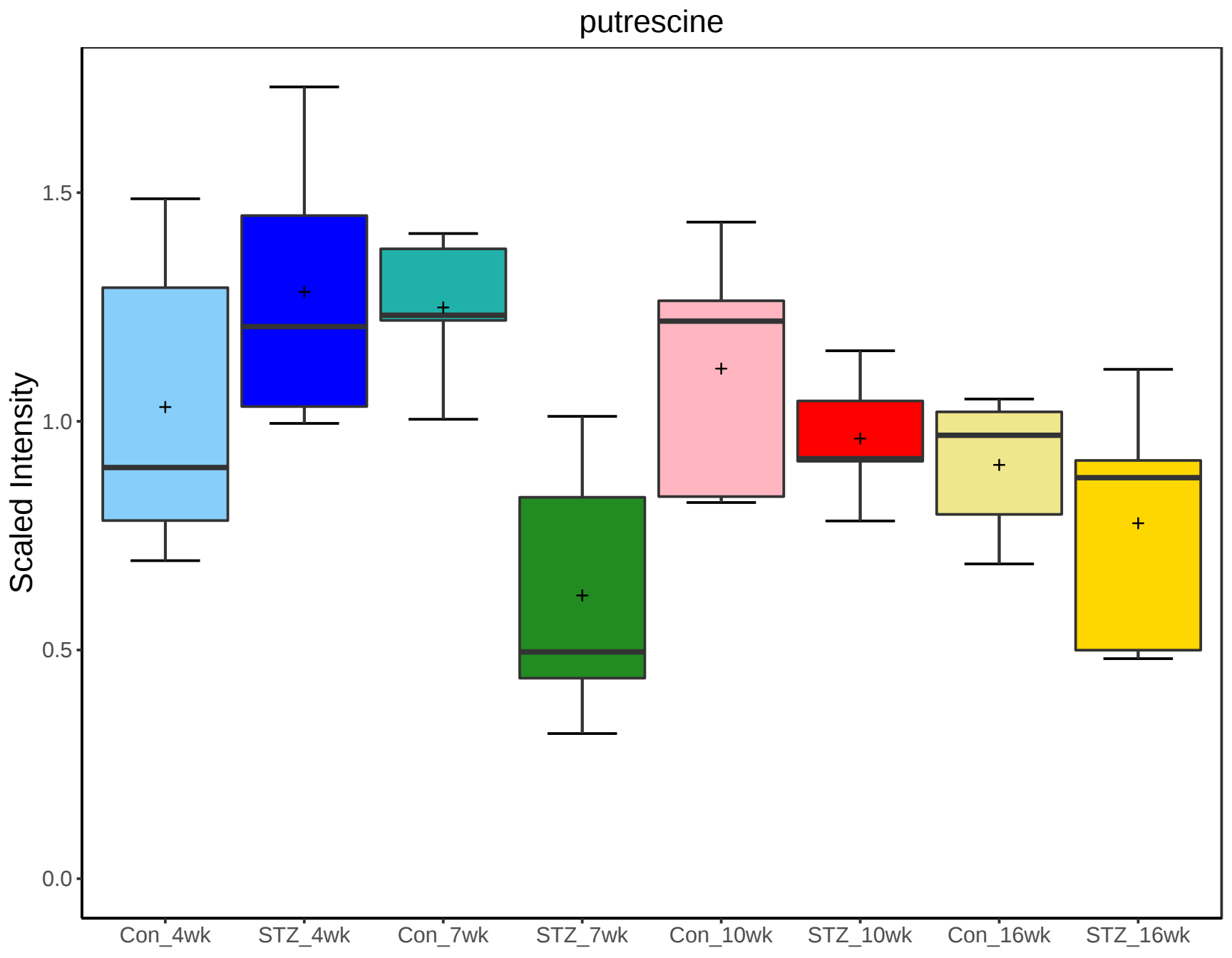

N-acetylhomocitrulline
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

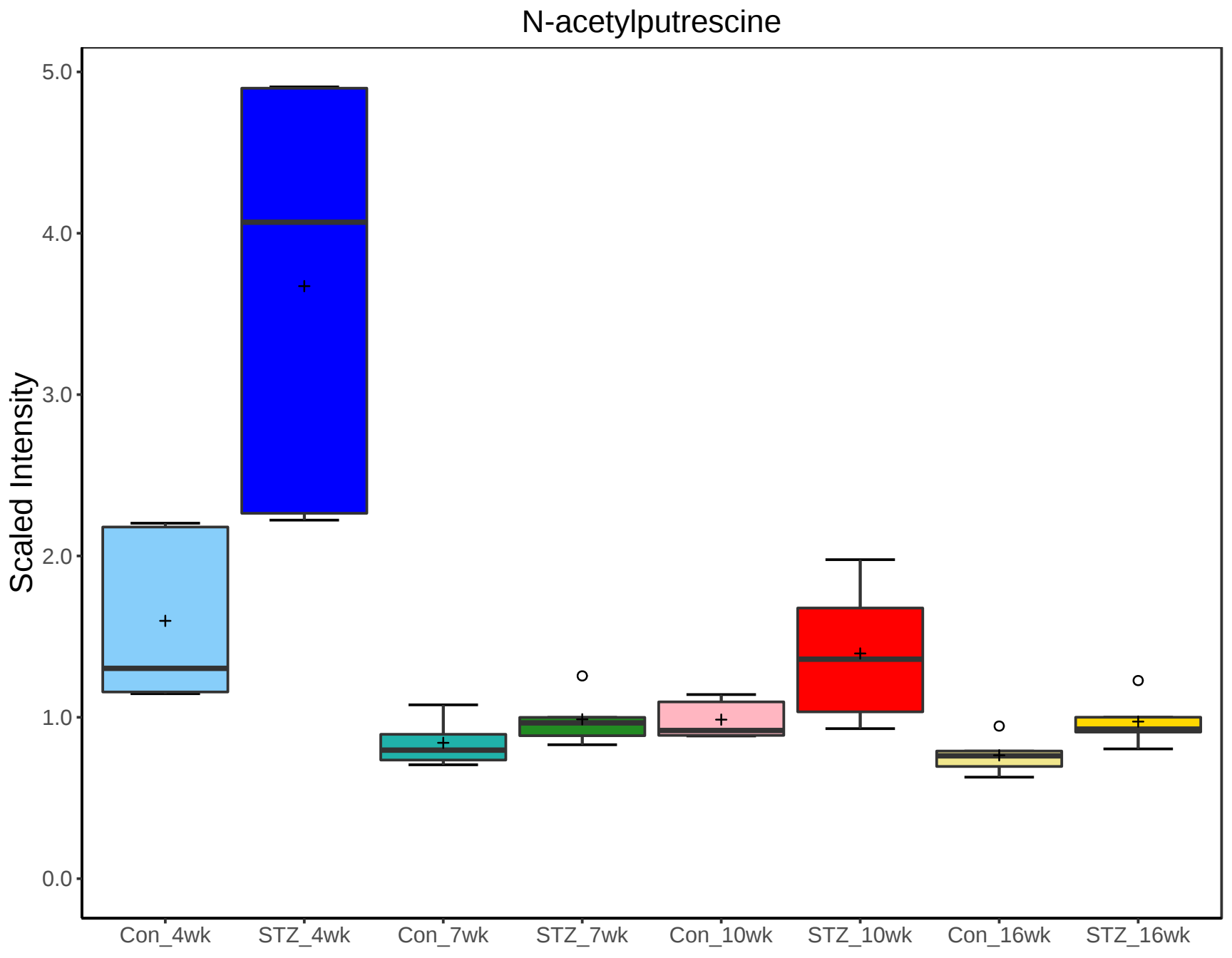

guanidinoacetate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

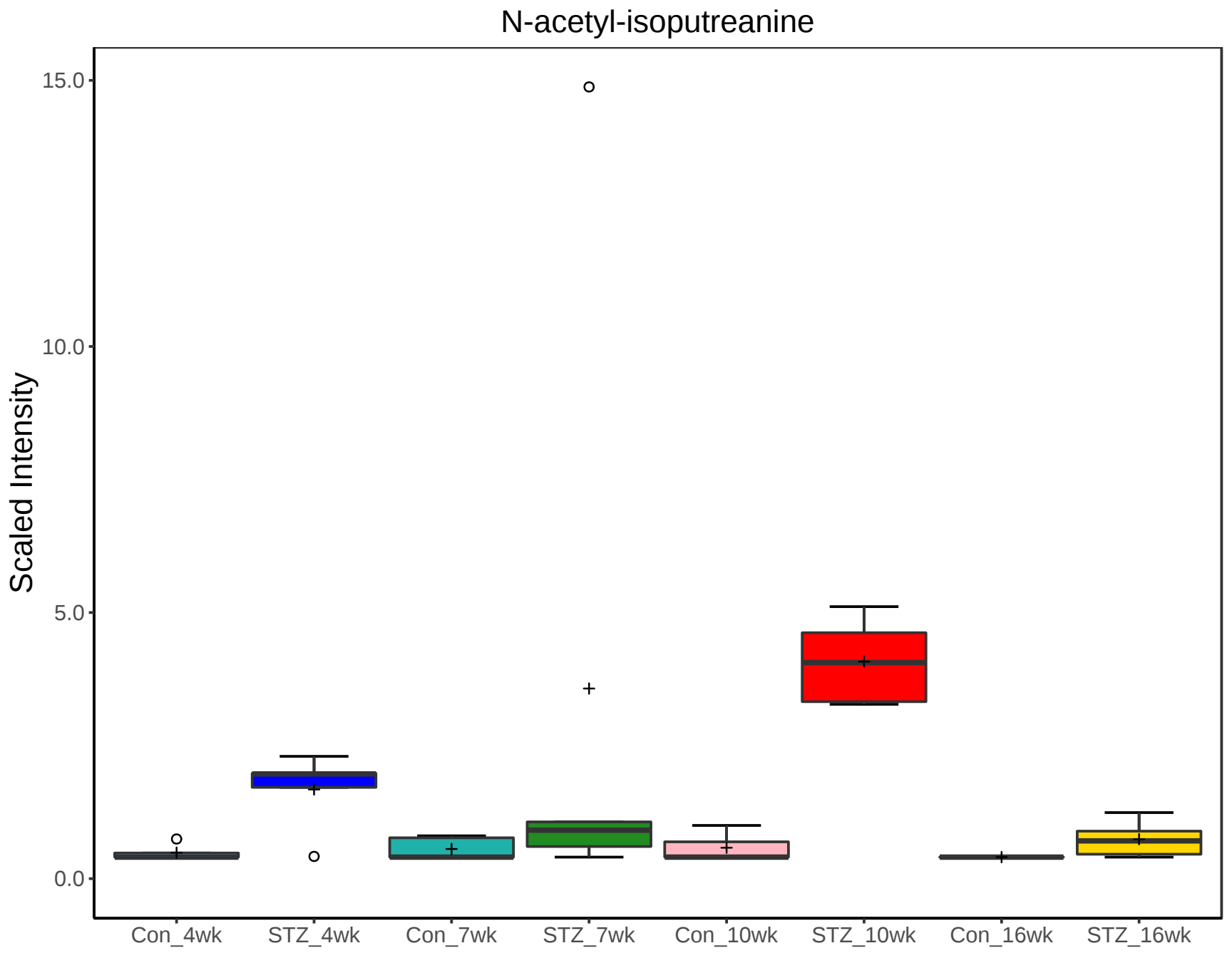

creatine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

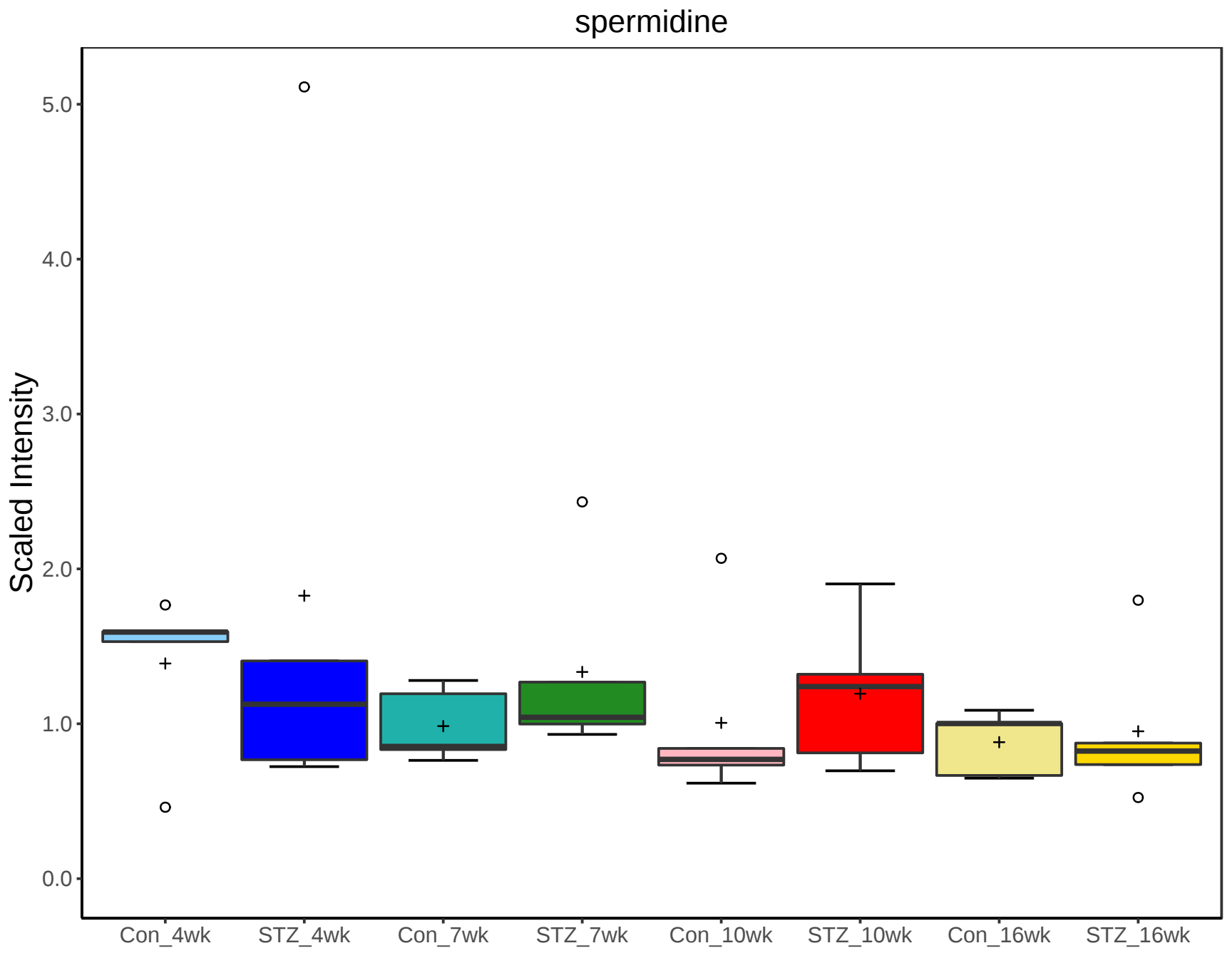

creatinine
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

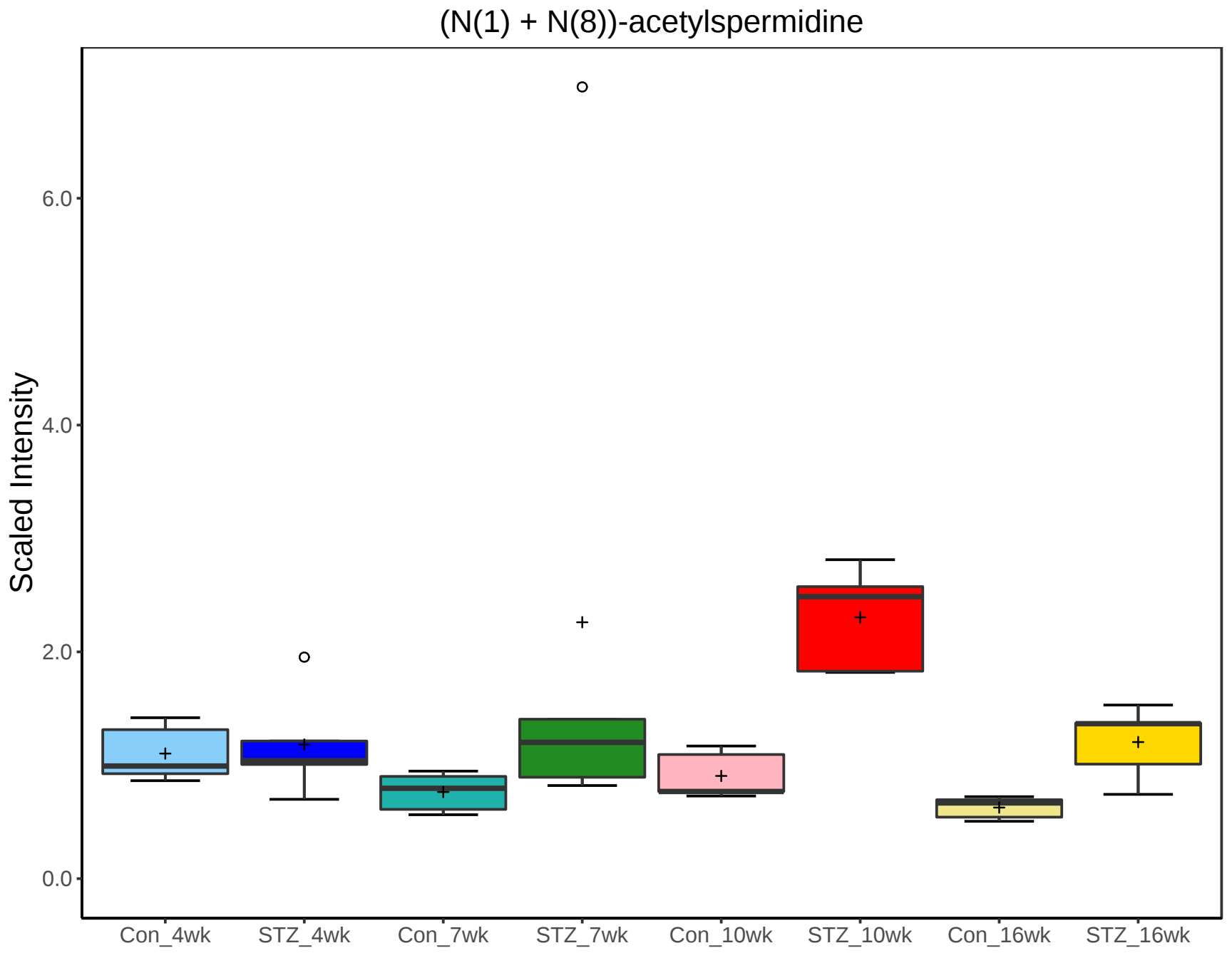

creatine phosphate
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

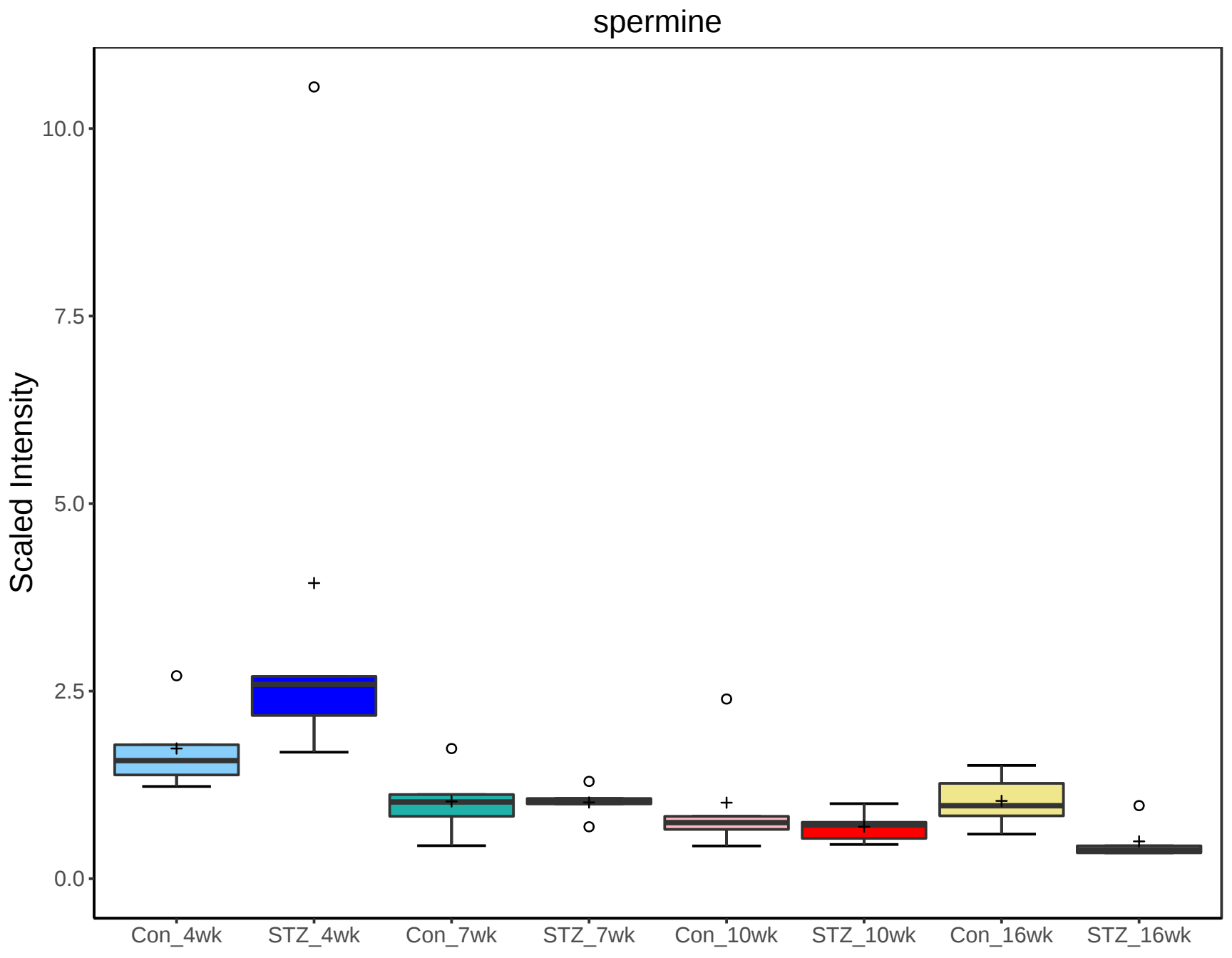

putrescine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

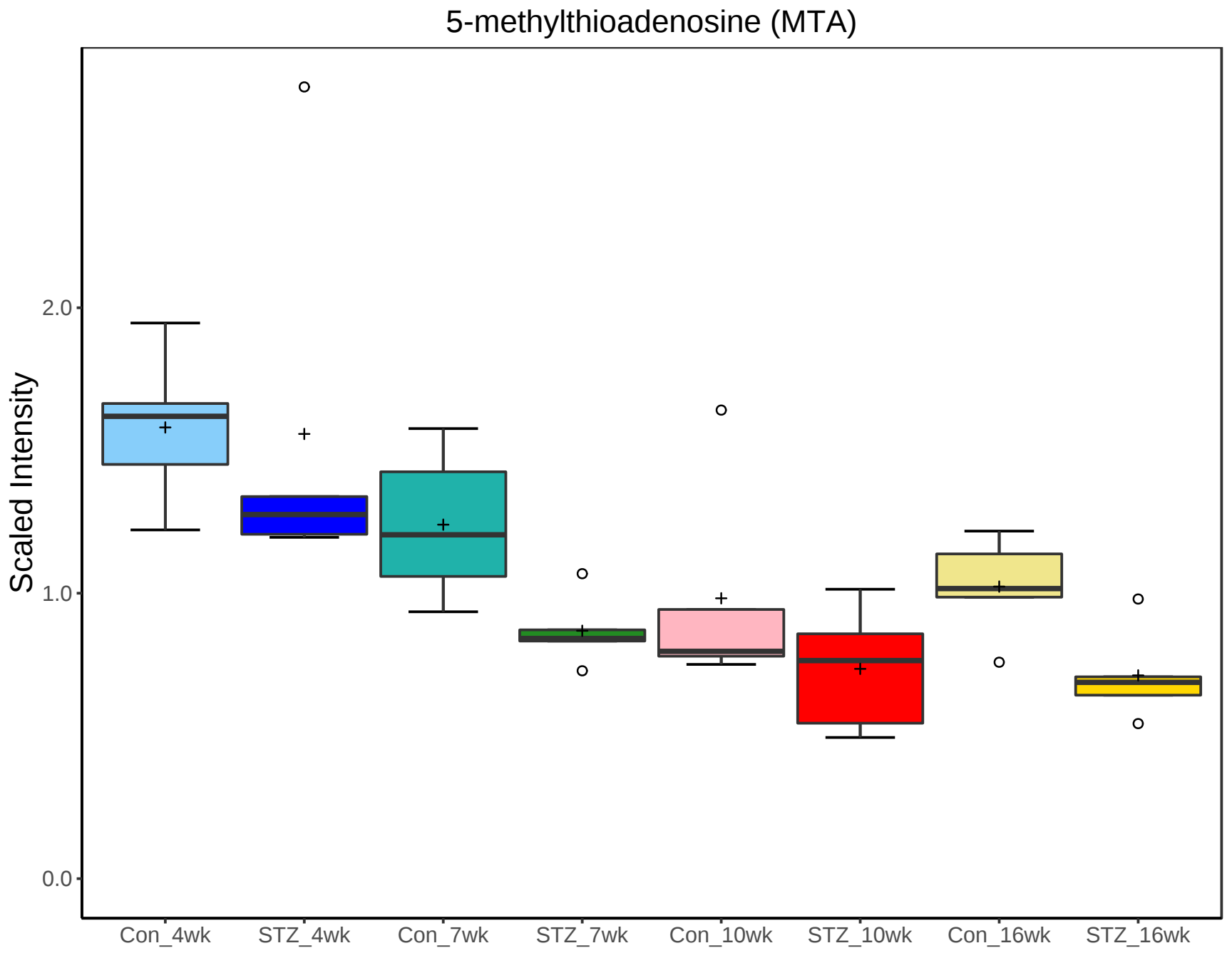

N-acetylputrescine
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

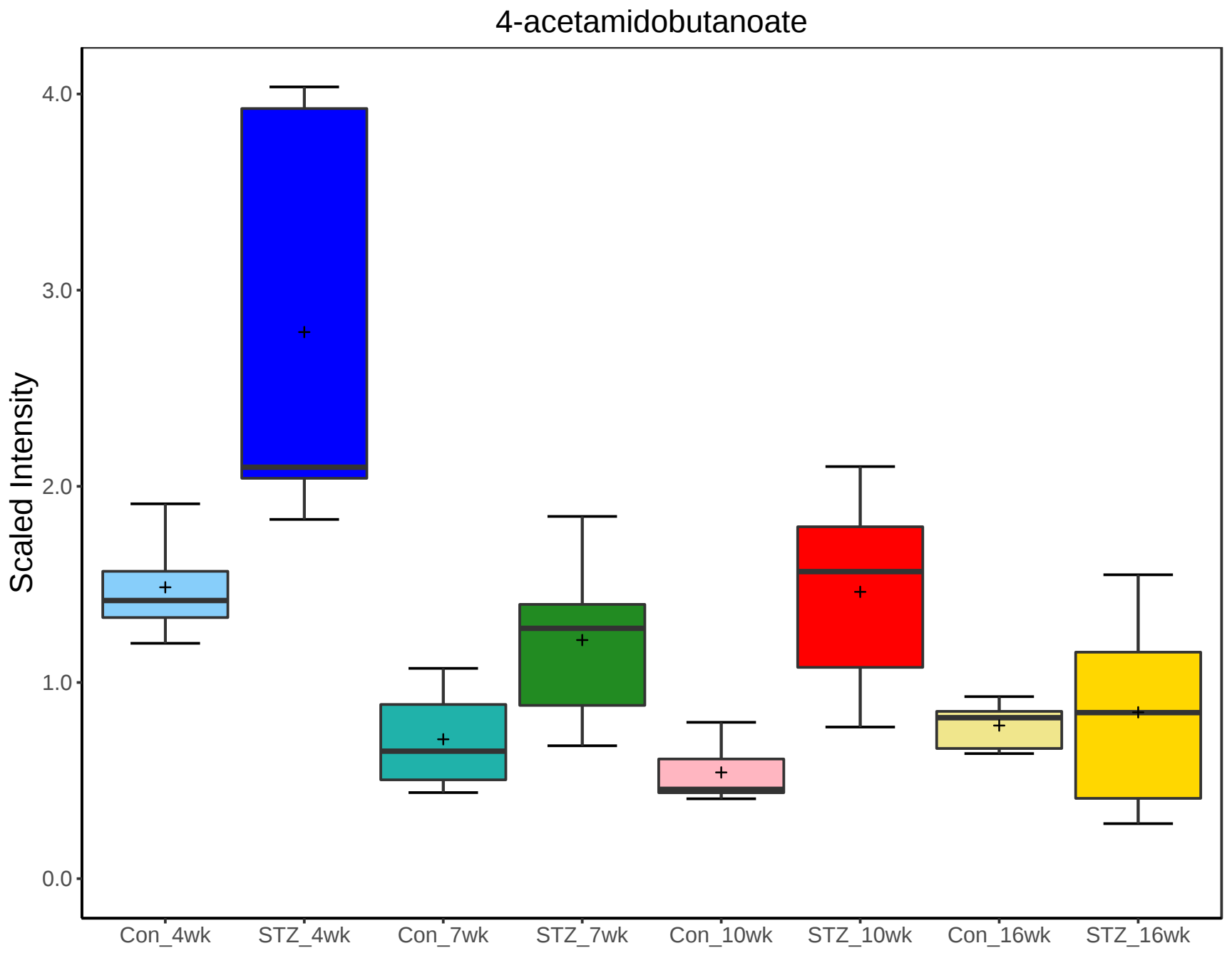

N-acetyl-isoputreanine
Scaled Intensity
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

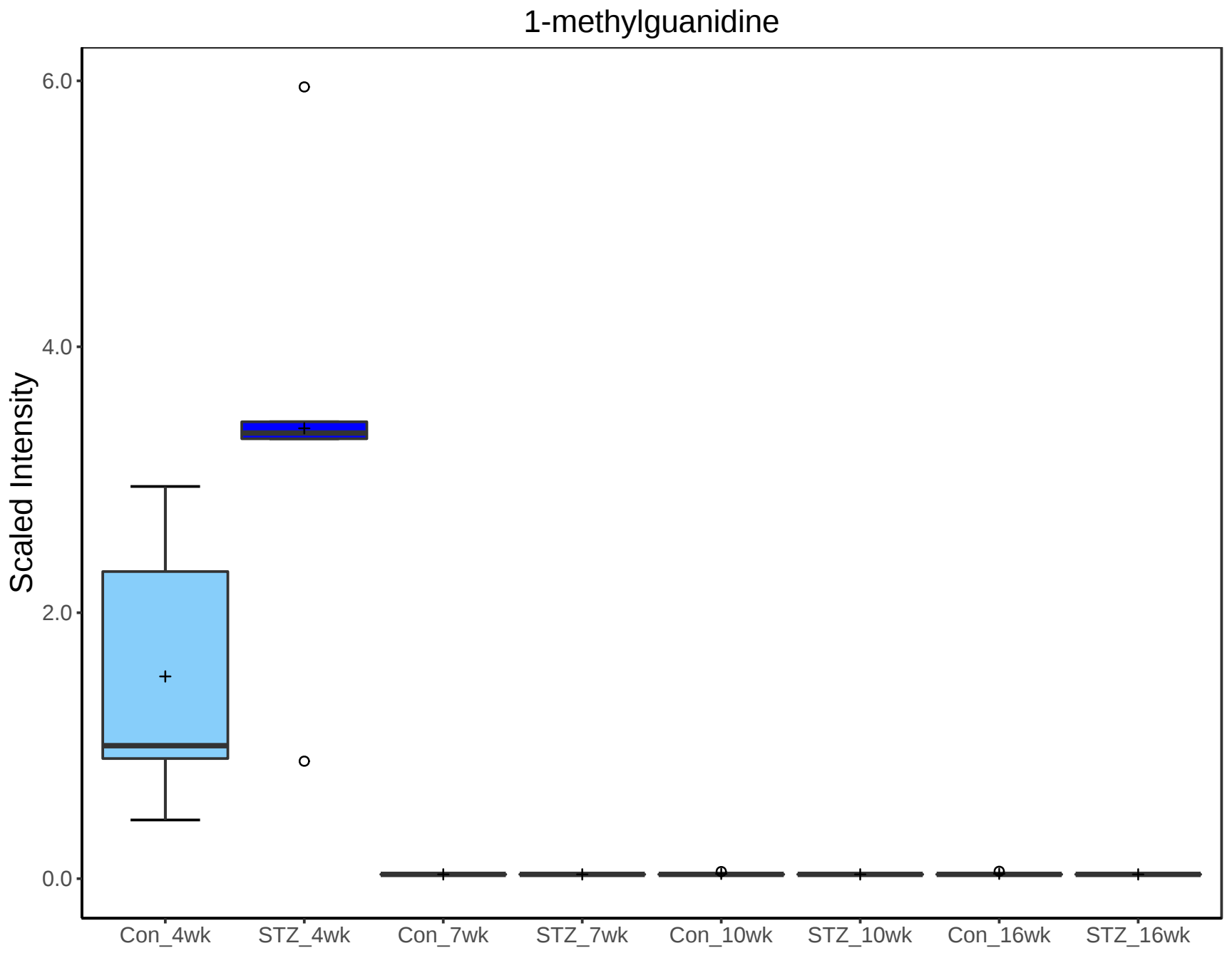

spermidine
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

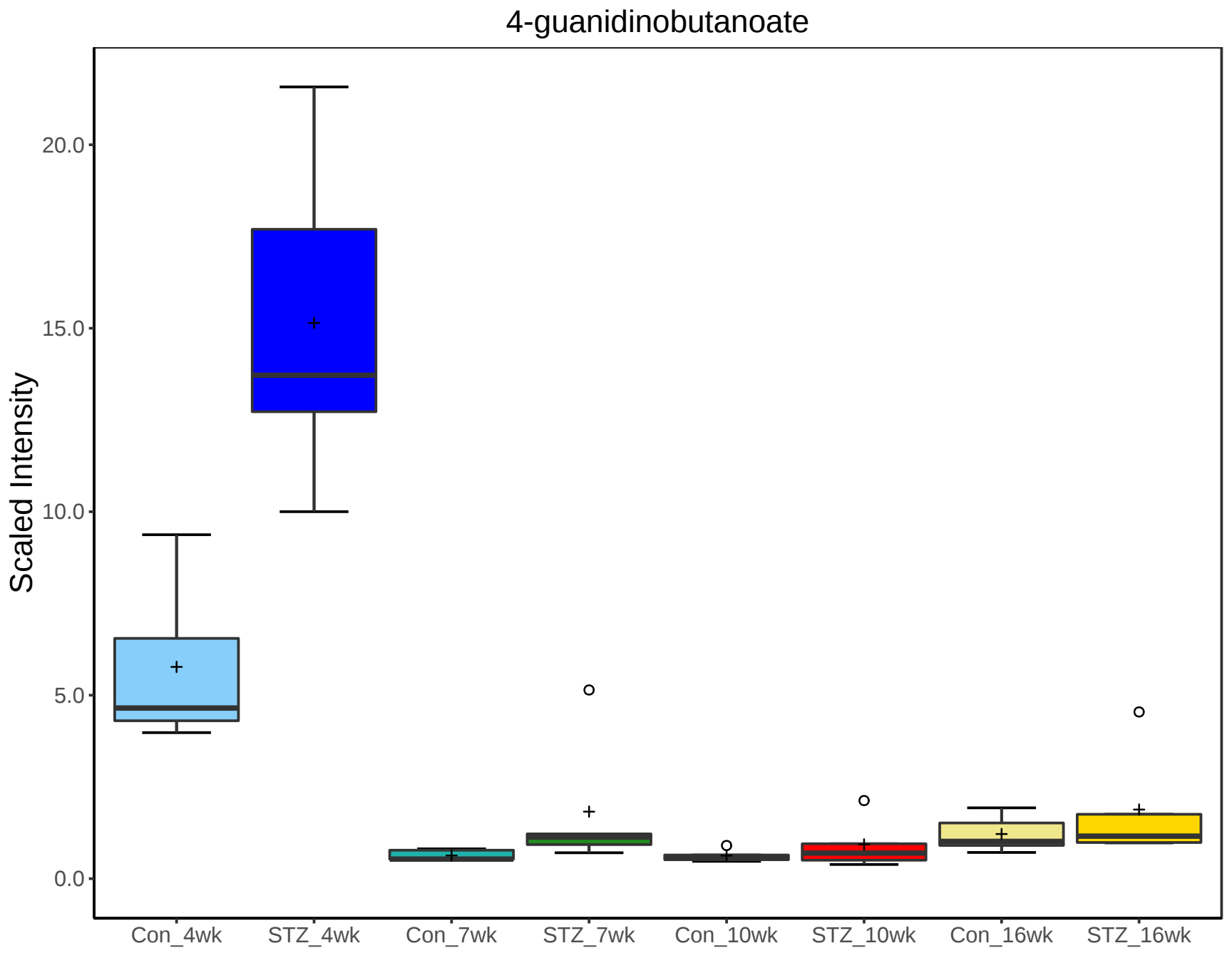

(N(1) + N(8))-acetylspermidine
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

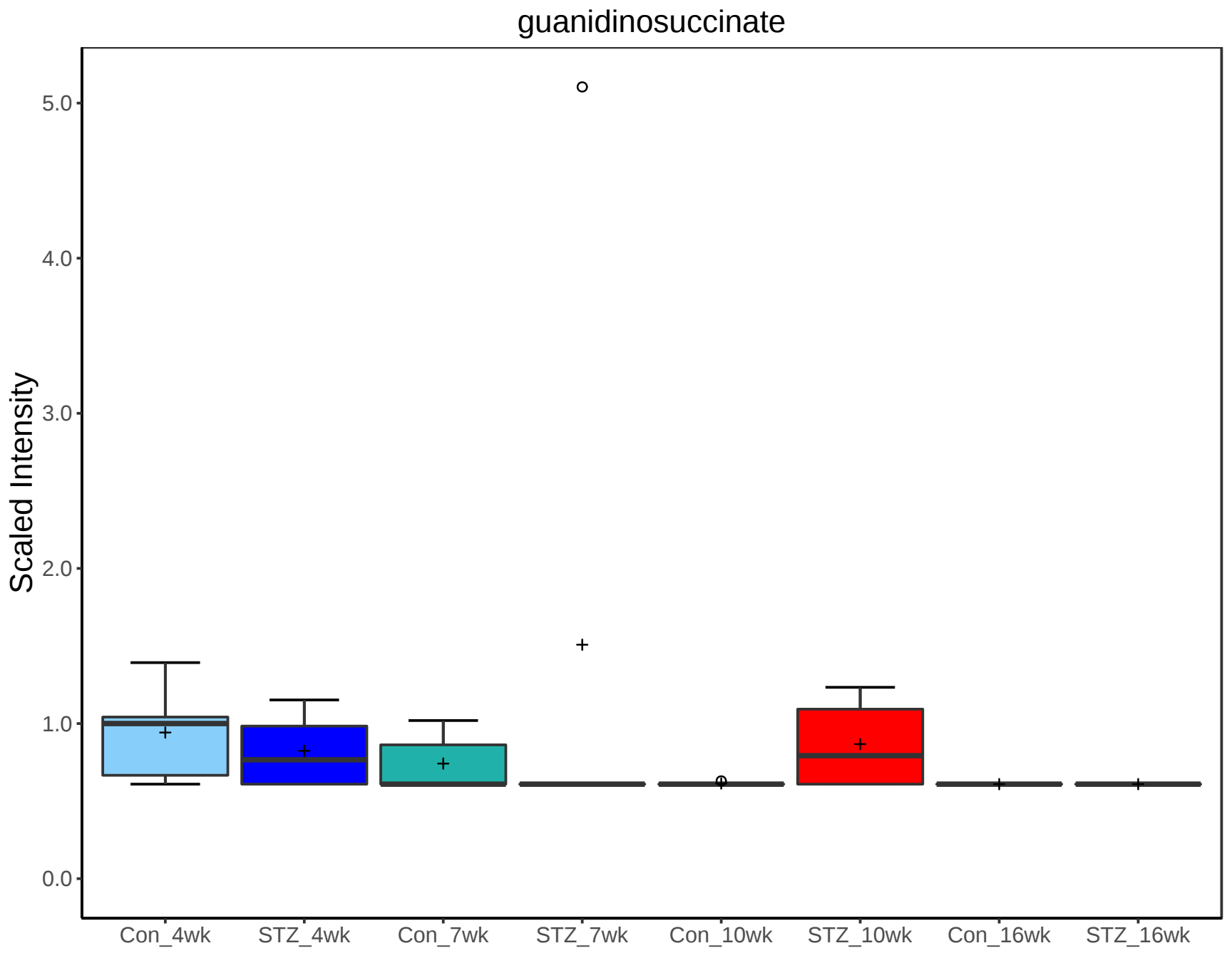

spermine
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

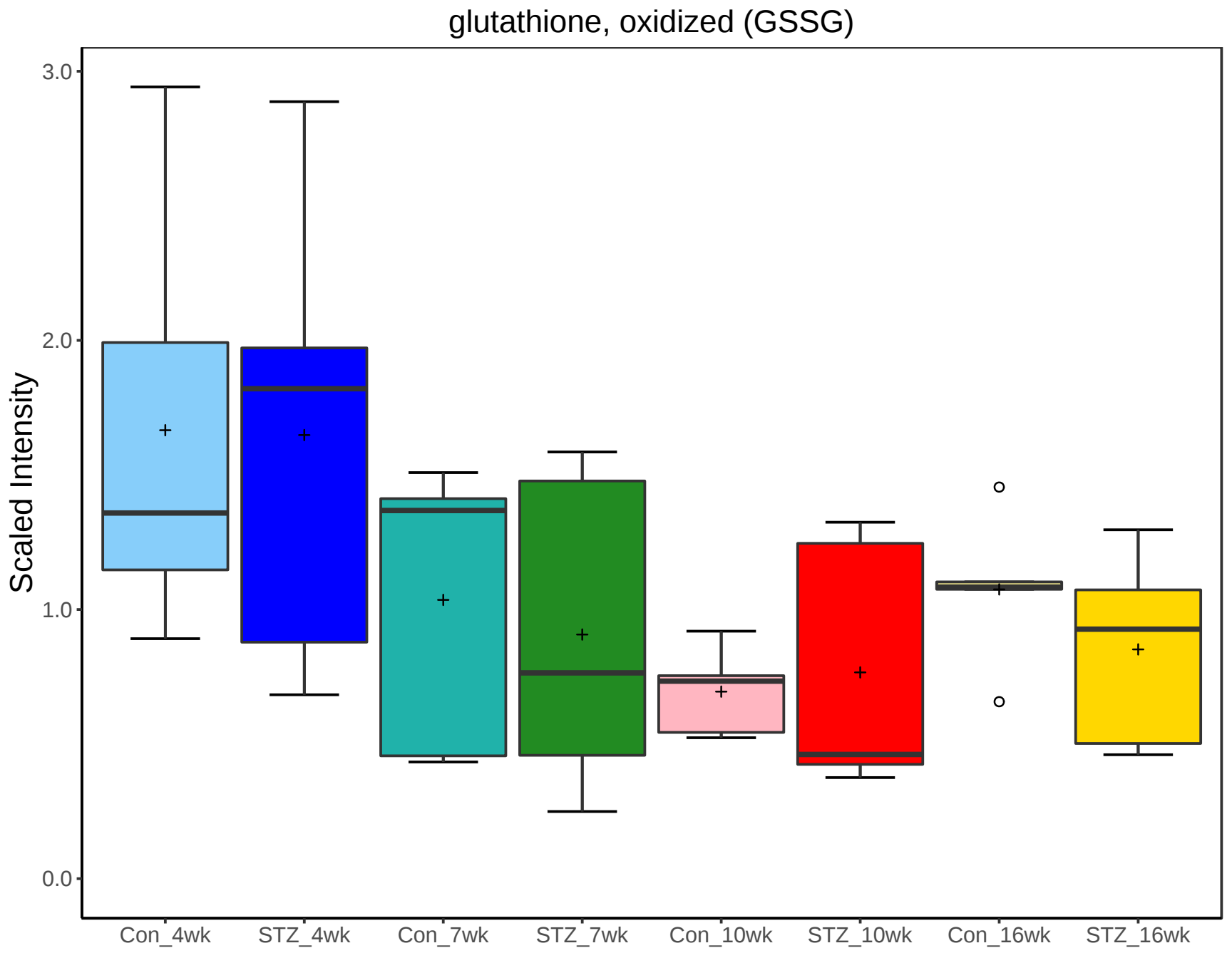

5-methylthioadenosine (MTA)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

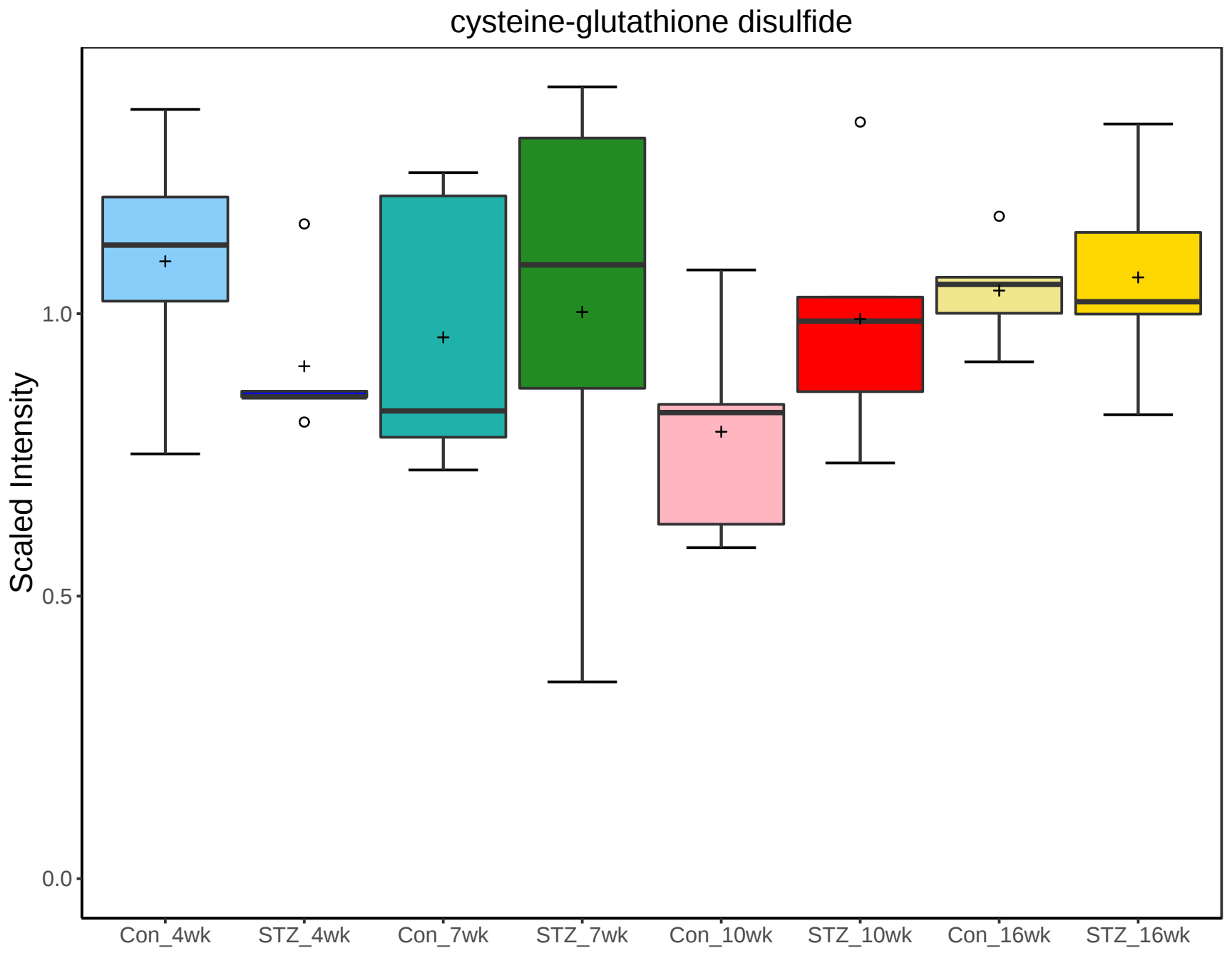

4-acetamidobutanoate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

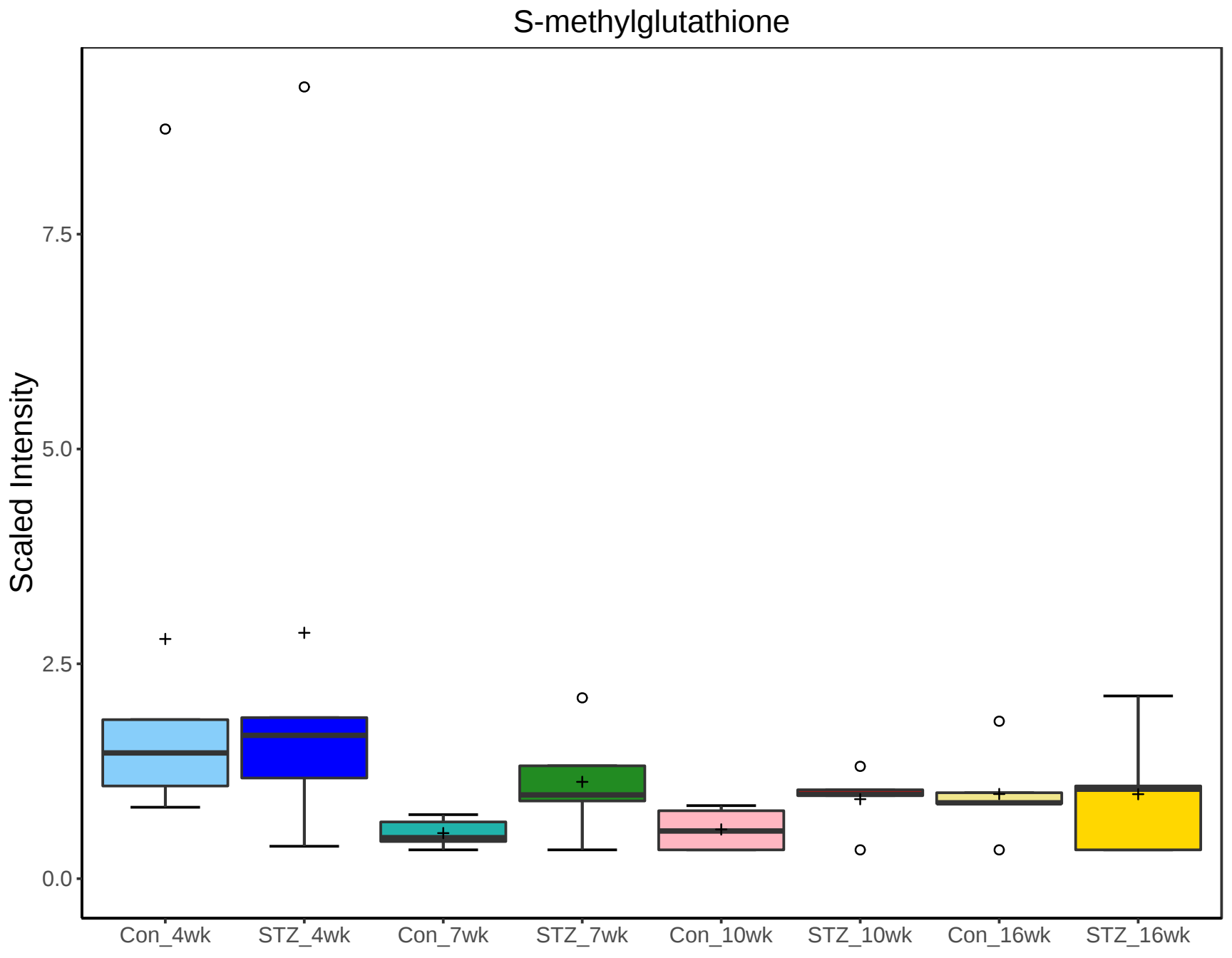

1-methylguanidine
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

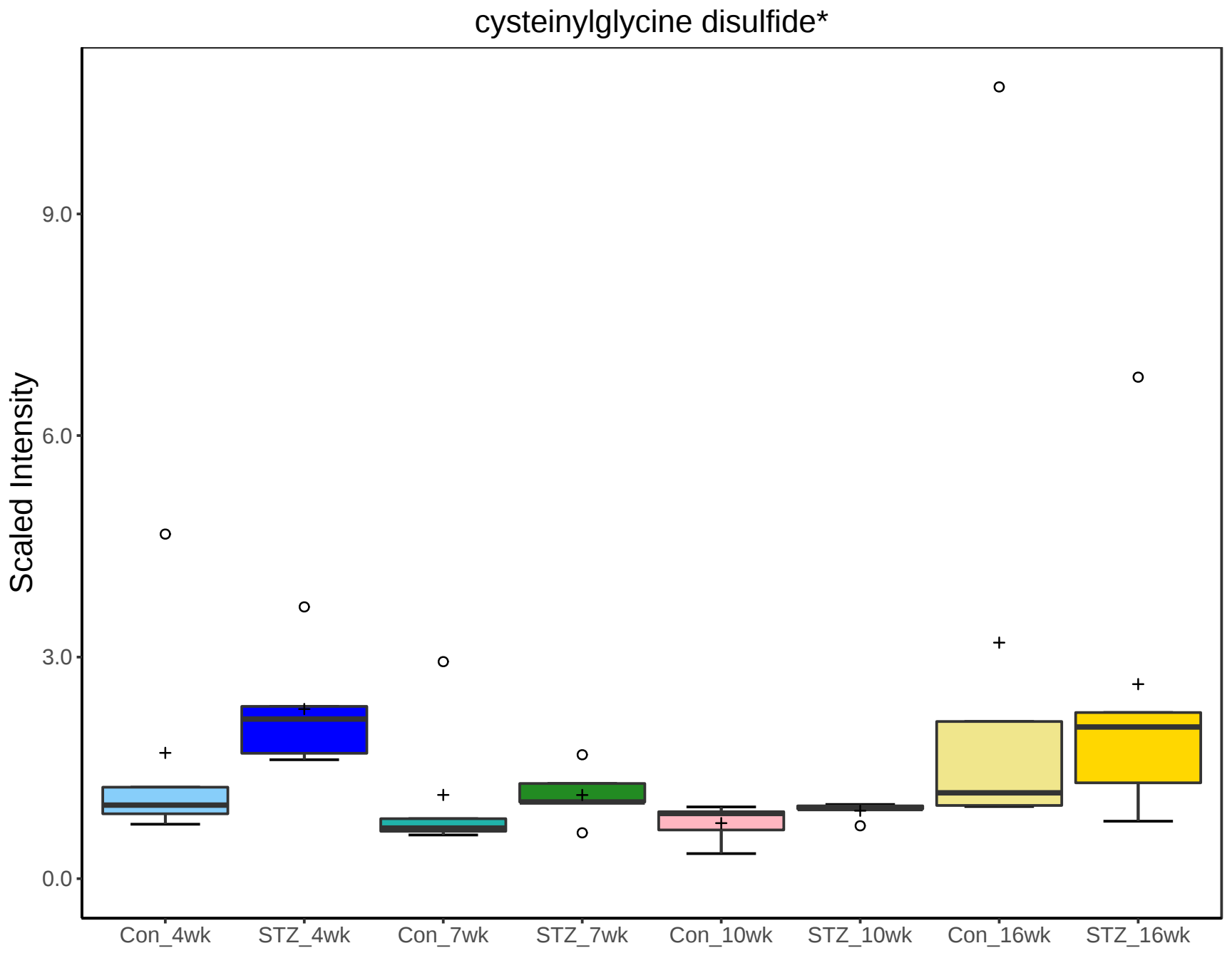

4-guanidinobutanoate
Scaled Intensity
20.0
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

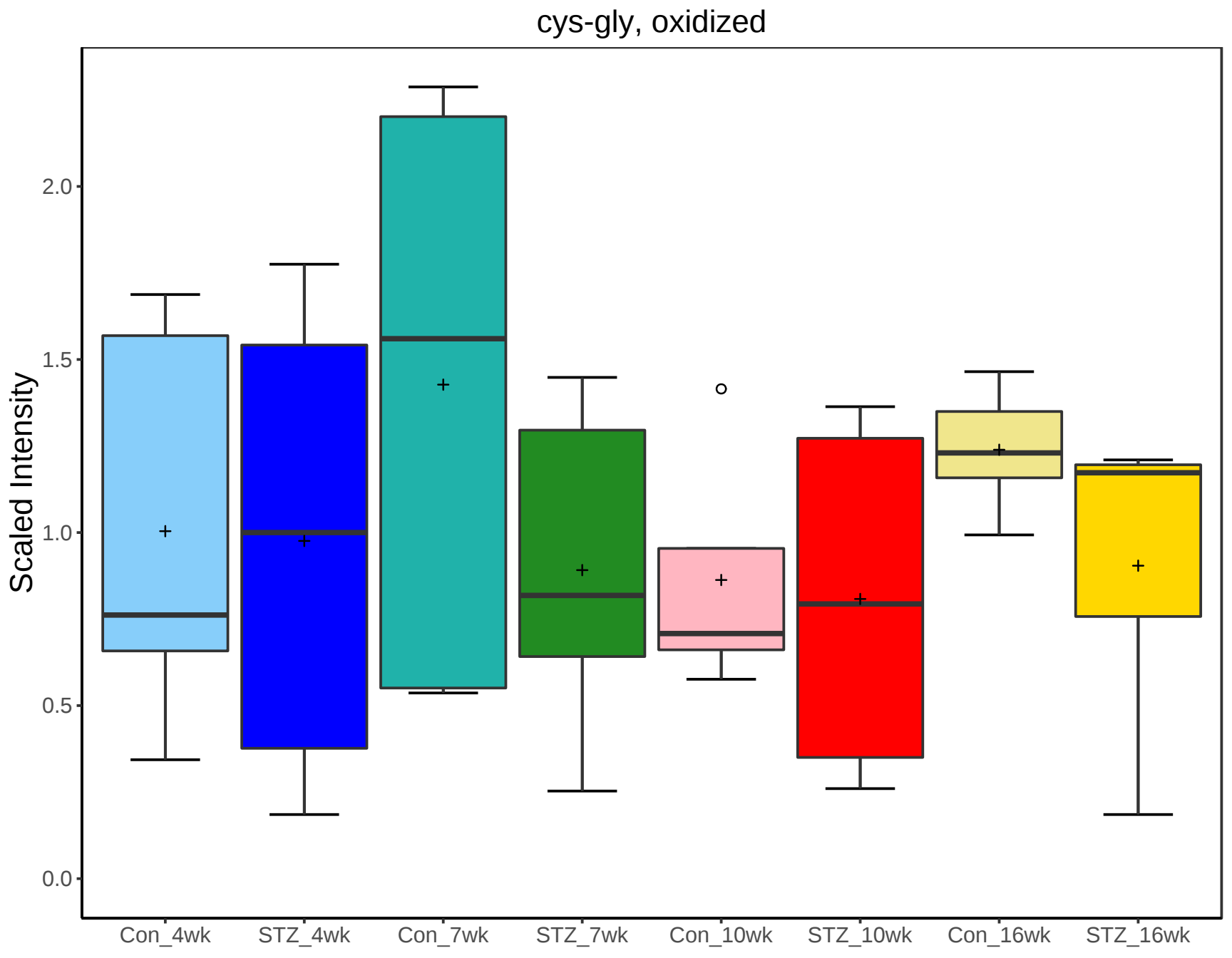

guanidinosuccinate
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

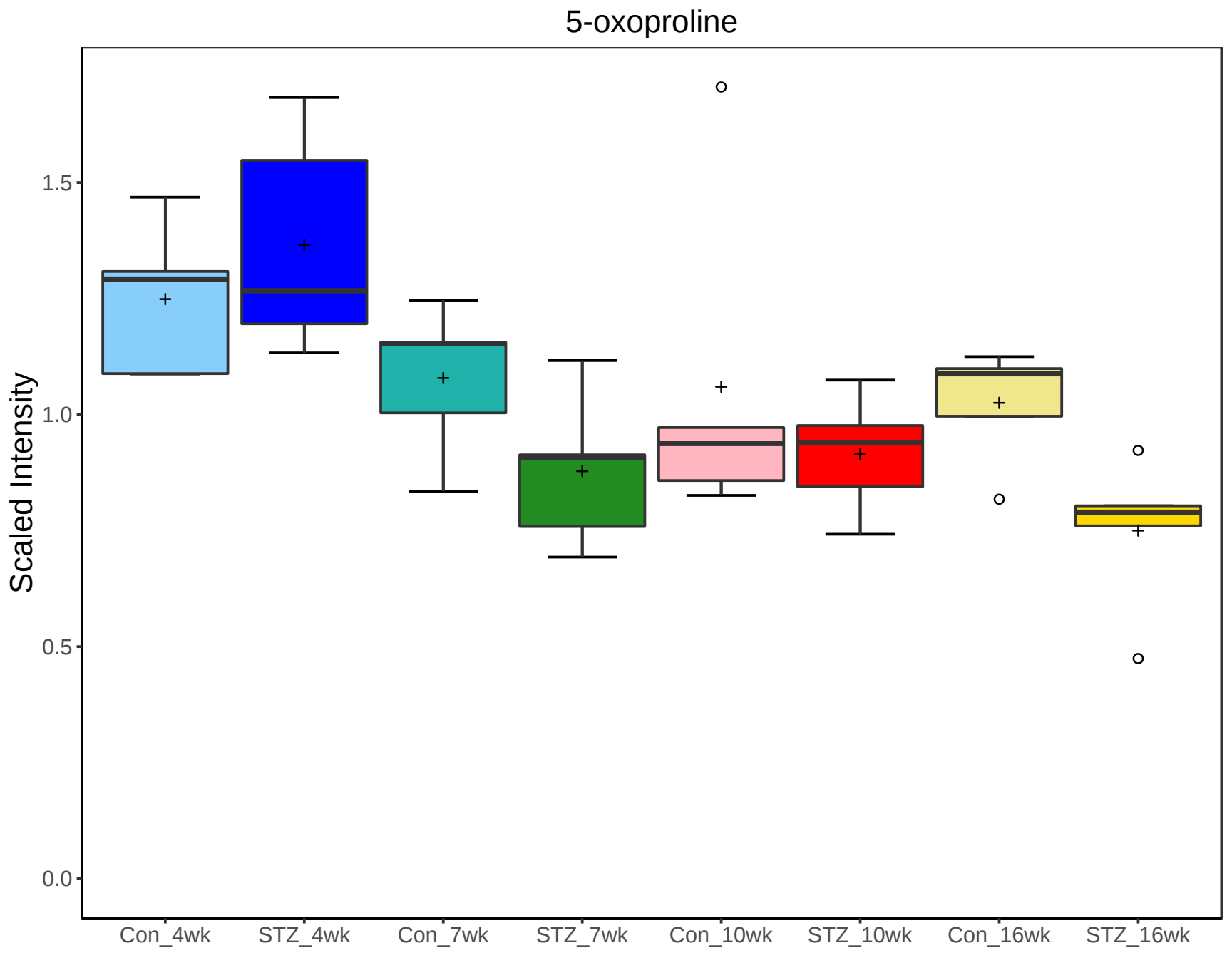

glutathione, oxidized (GSSG)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

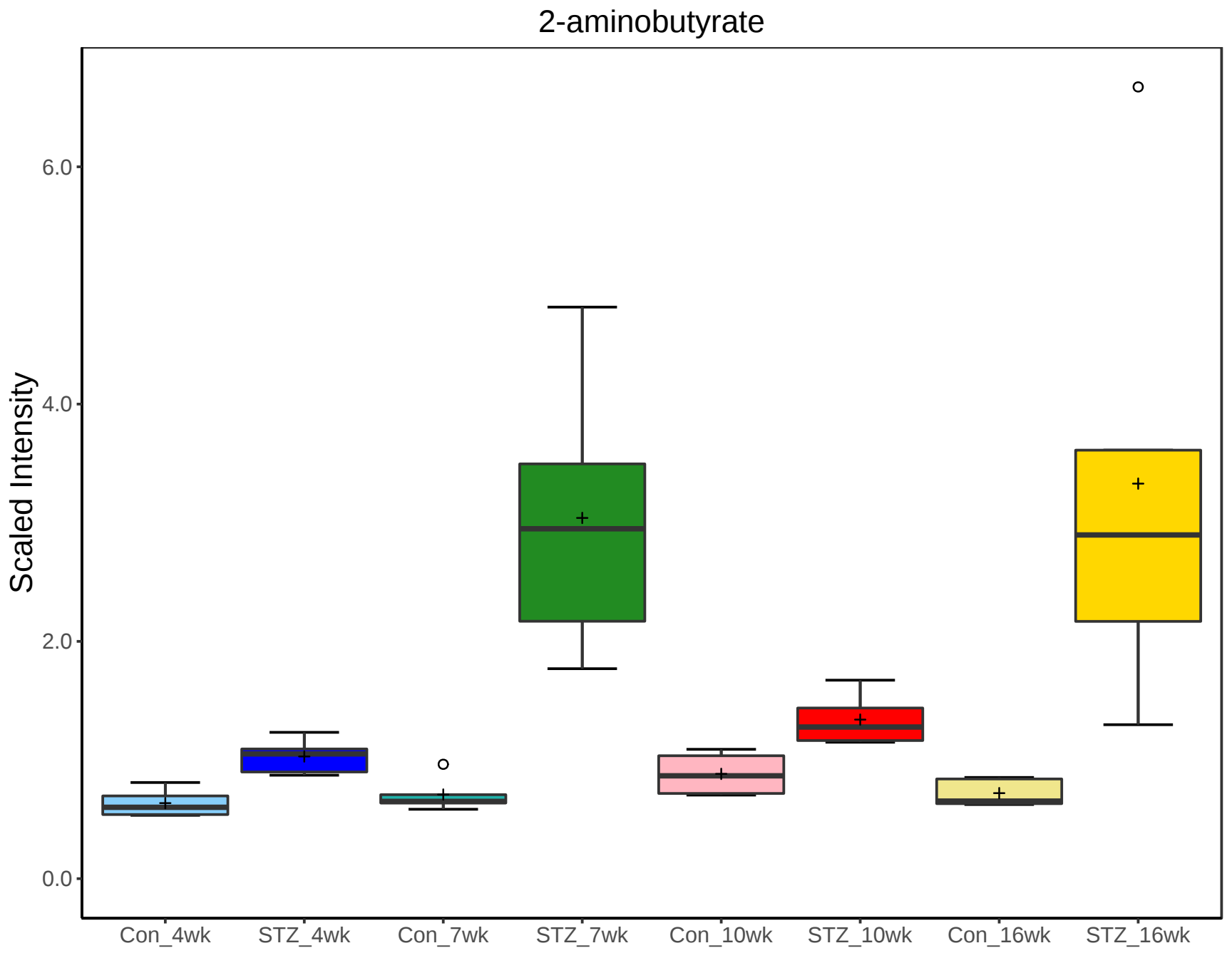

cysteine-glutathione disulfide
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

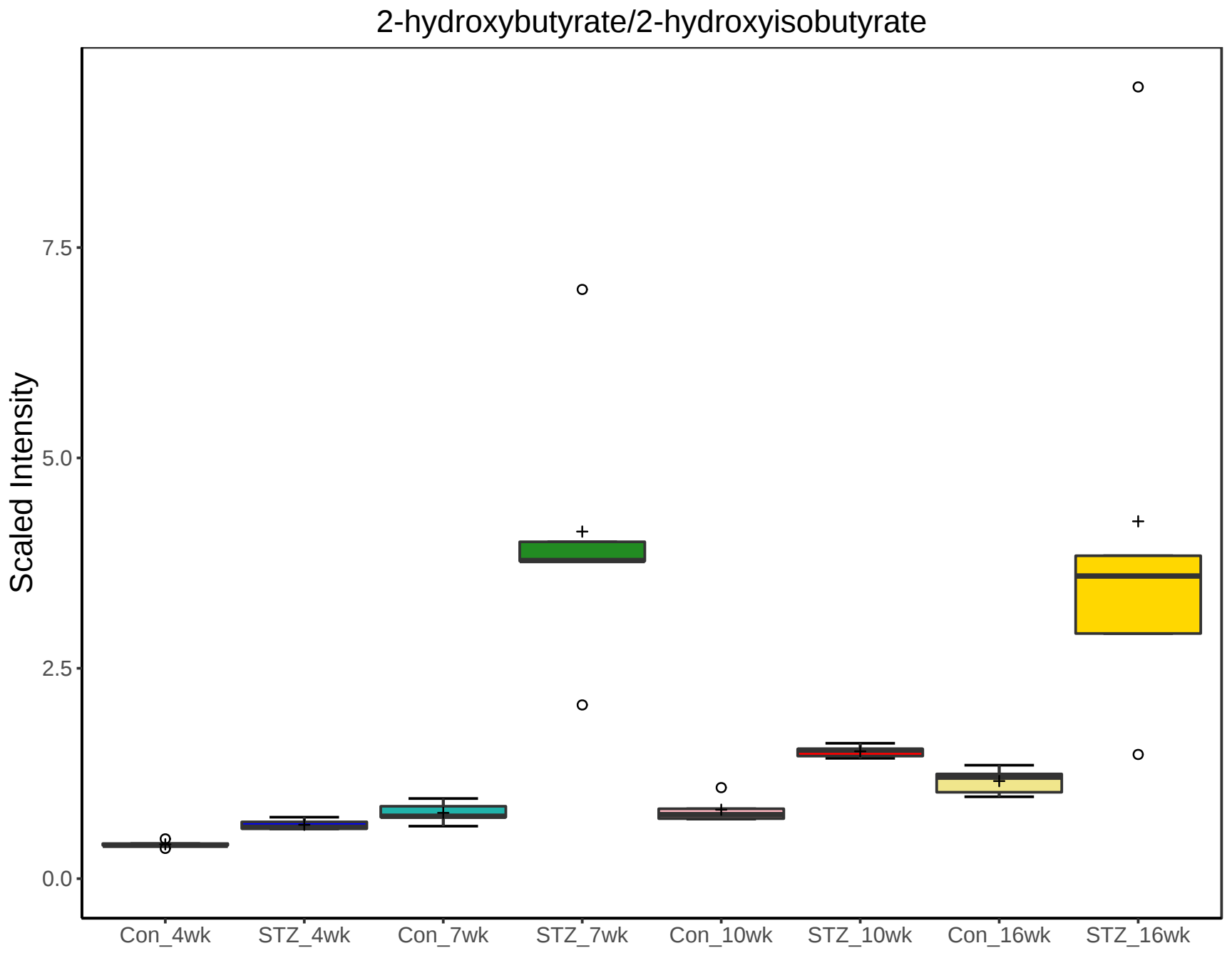

S-methylglutathione
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

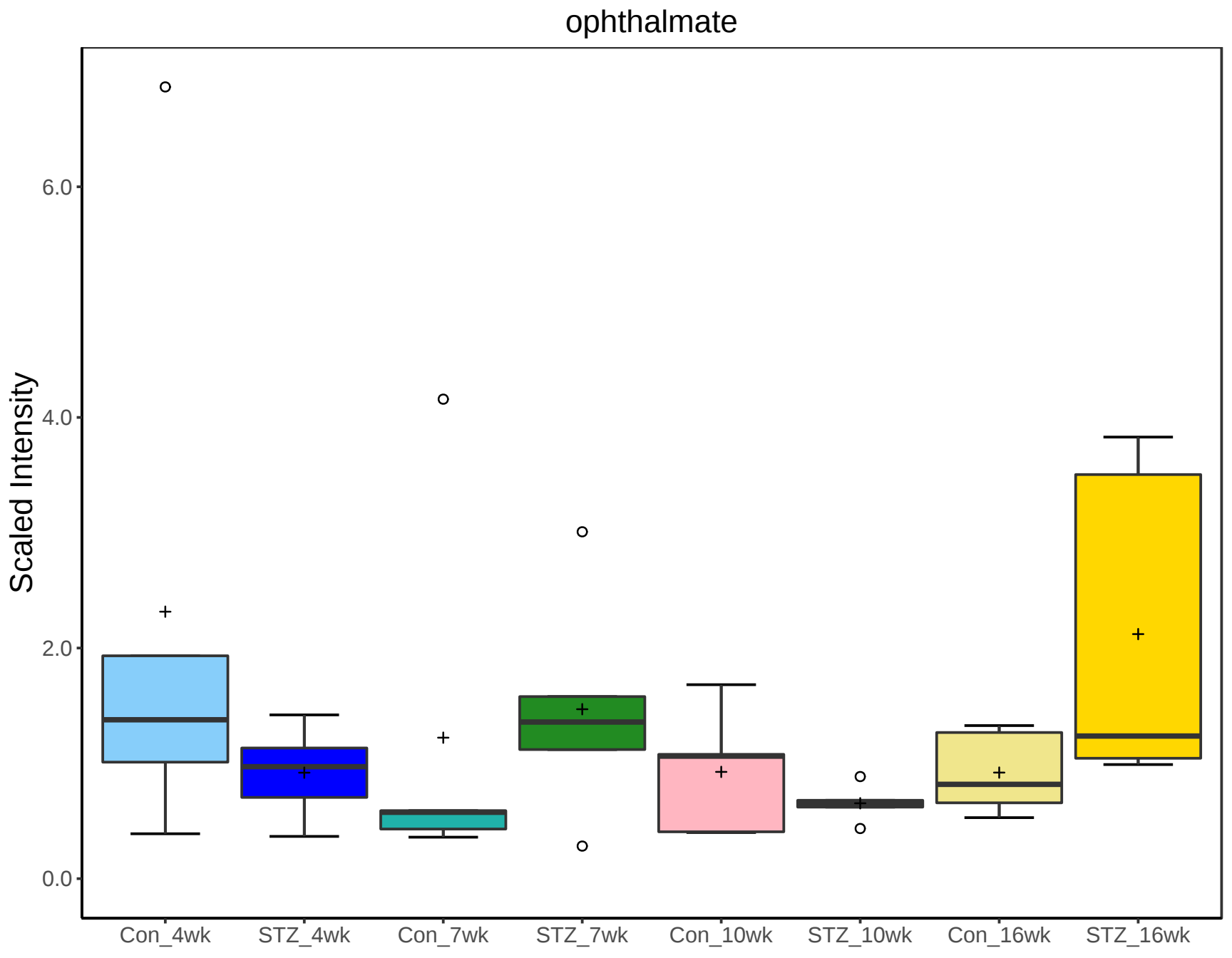

cysteinylglycine disulfide*
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

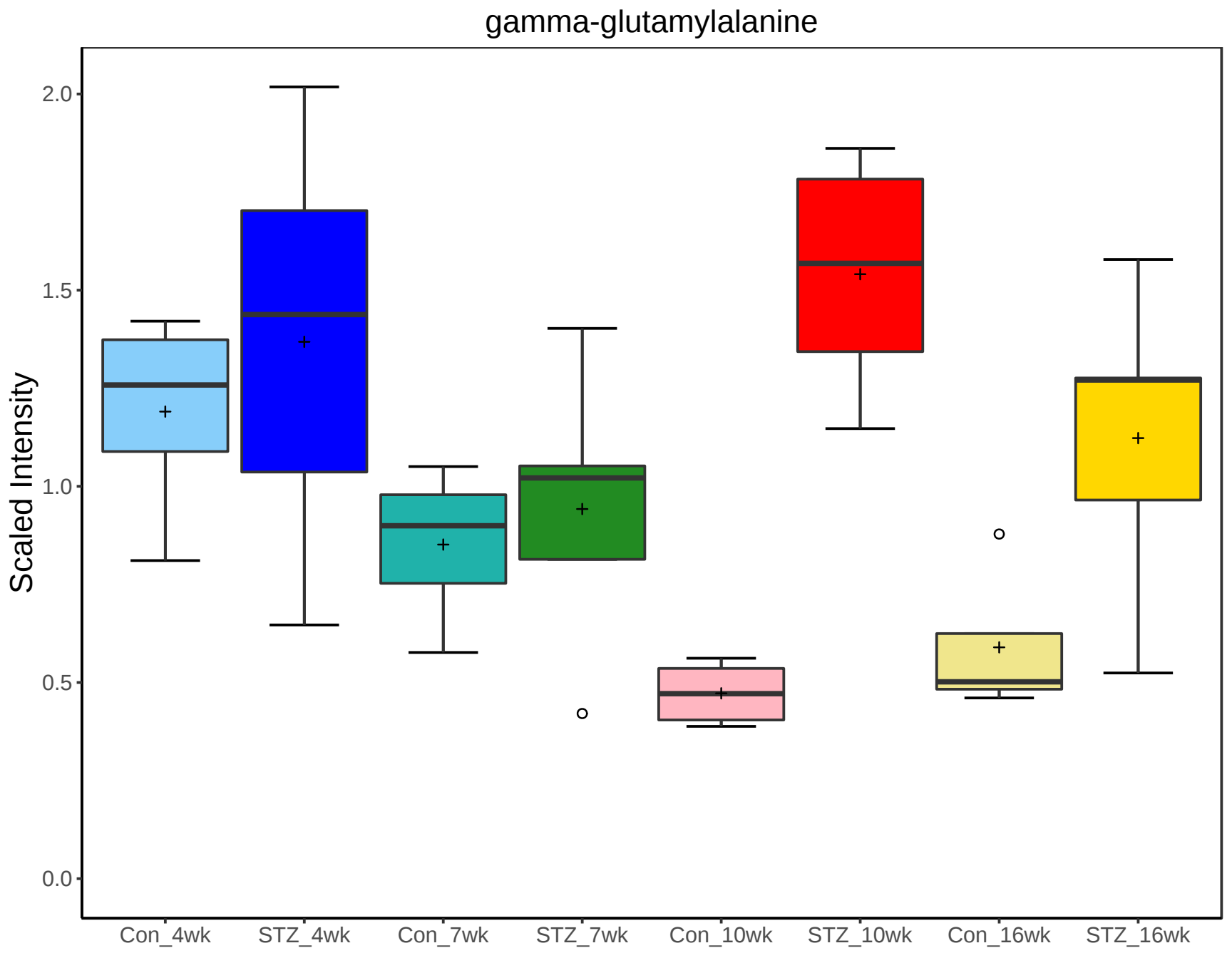

cys-gly, oxidized
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

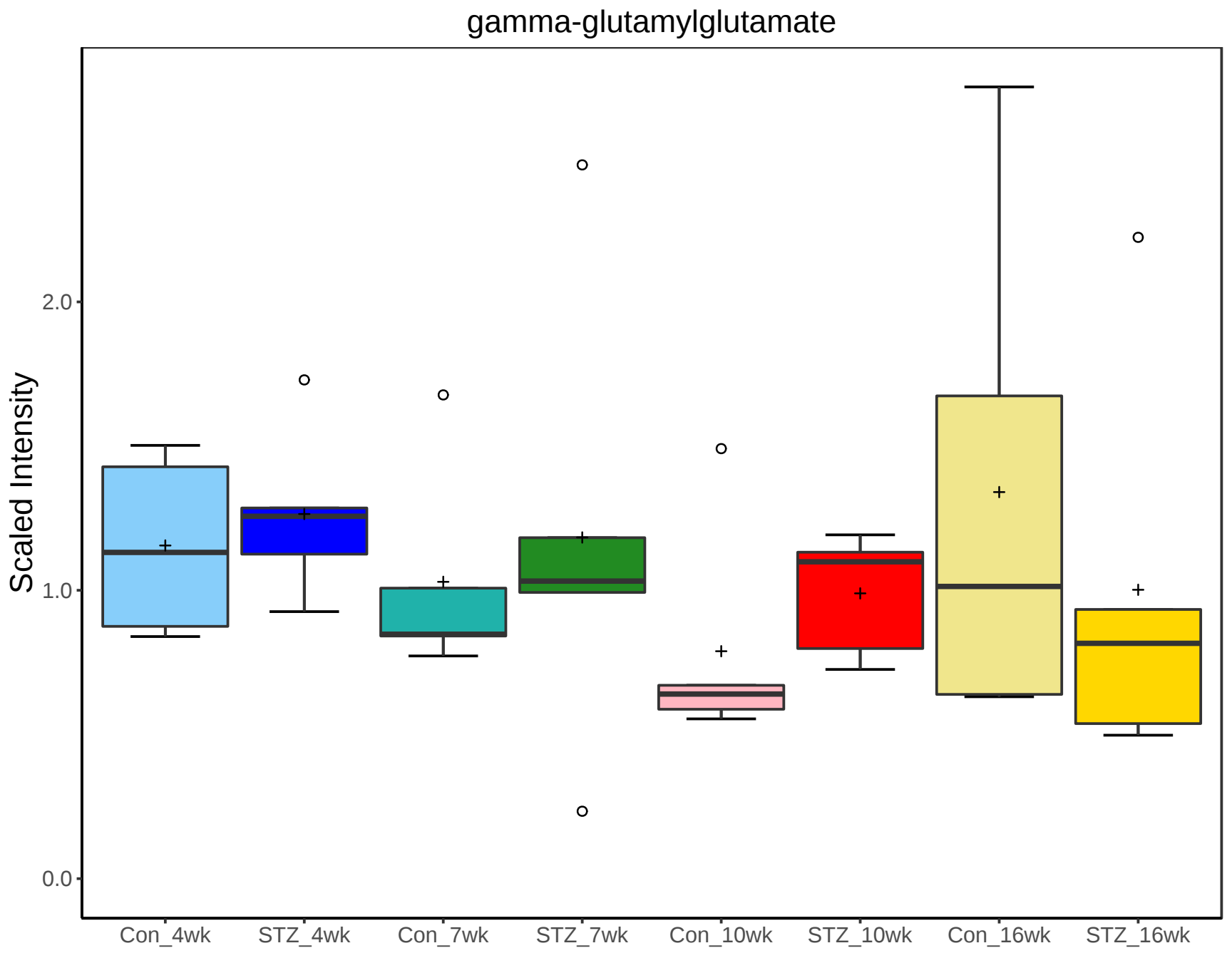

5-oxoproline
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

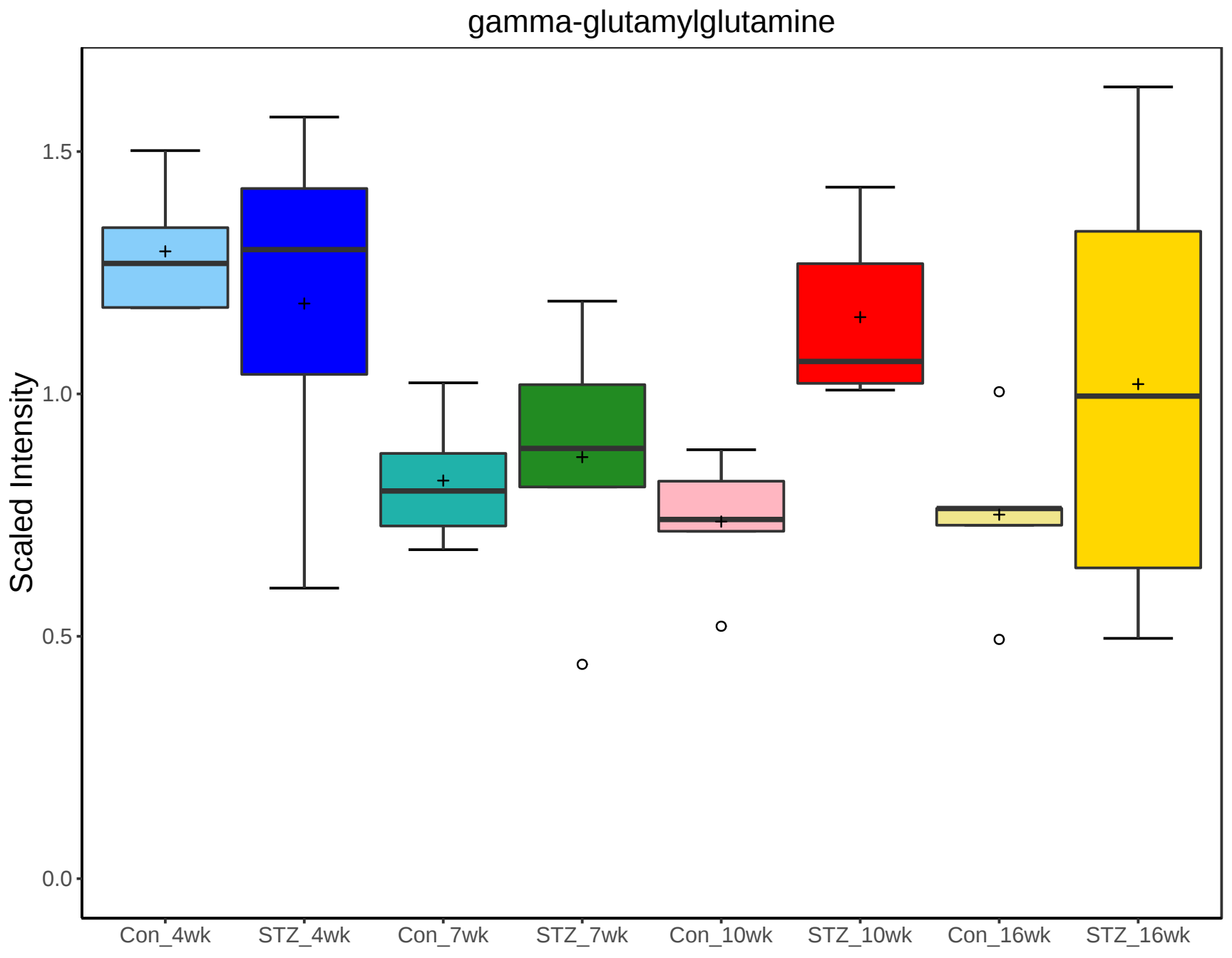

2-aminobutyrate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

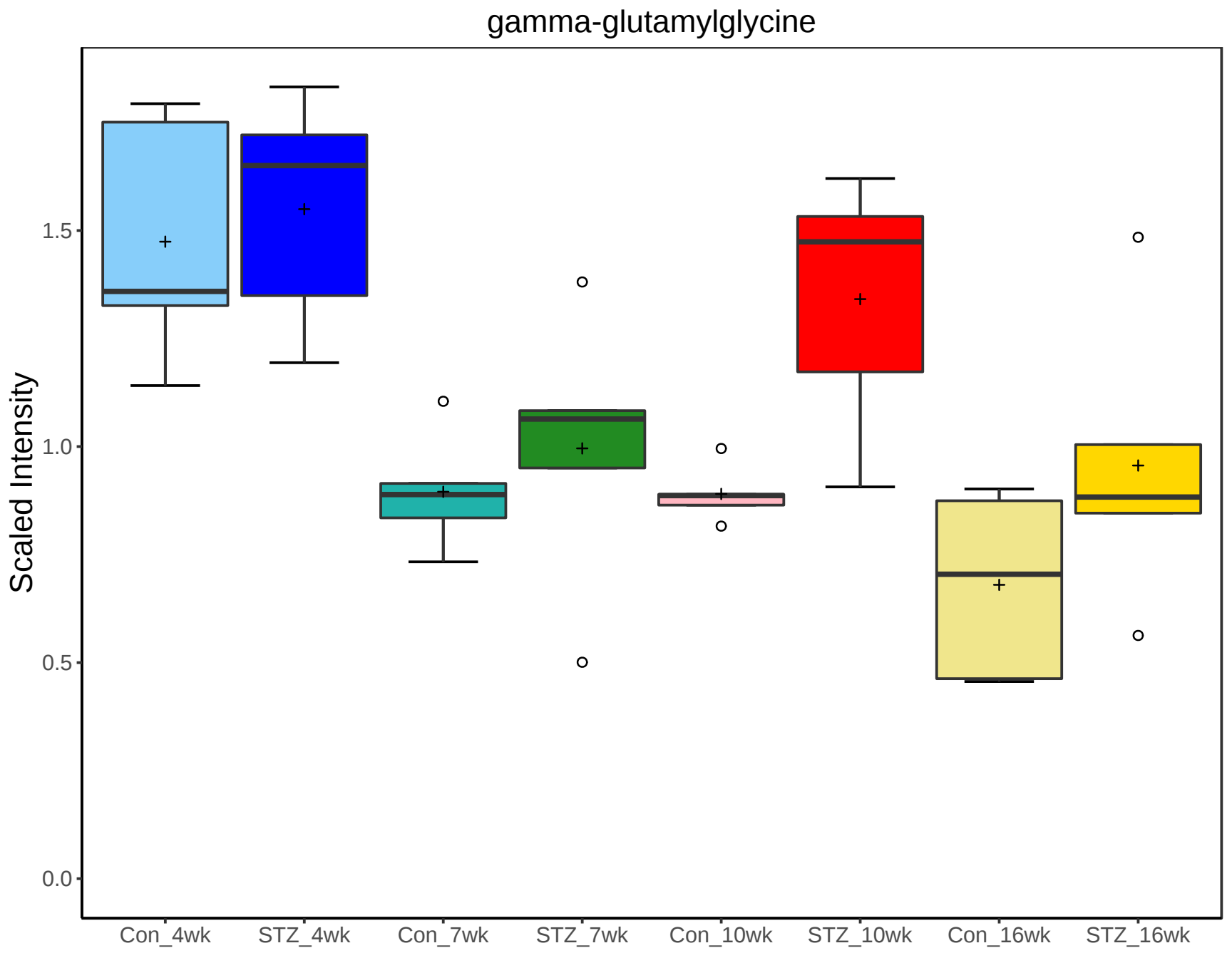

2-hydroxybutyrate/2-hydroxyisobutyrate
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

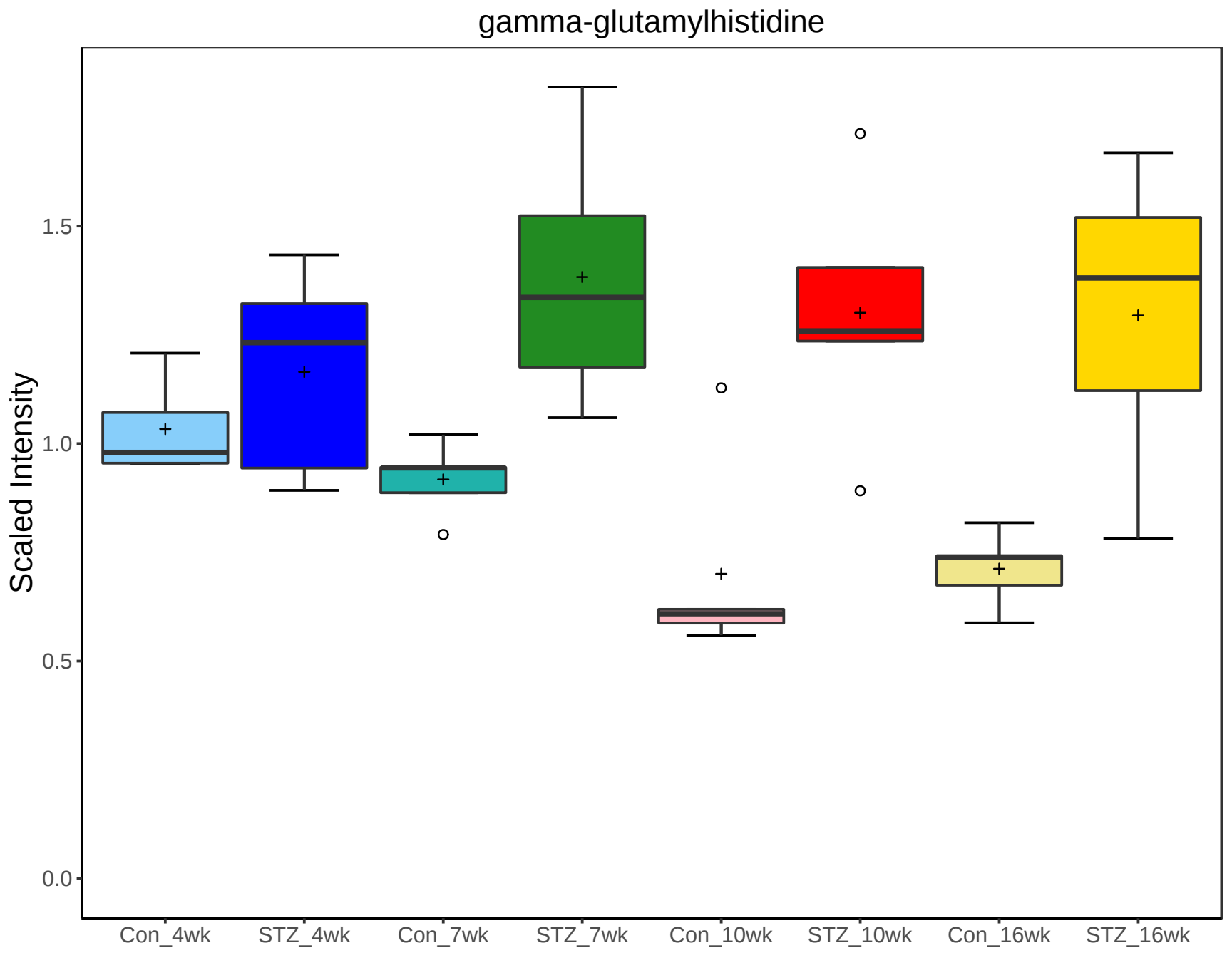

ophthalmate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

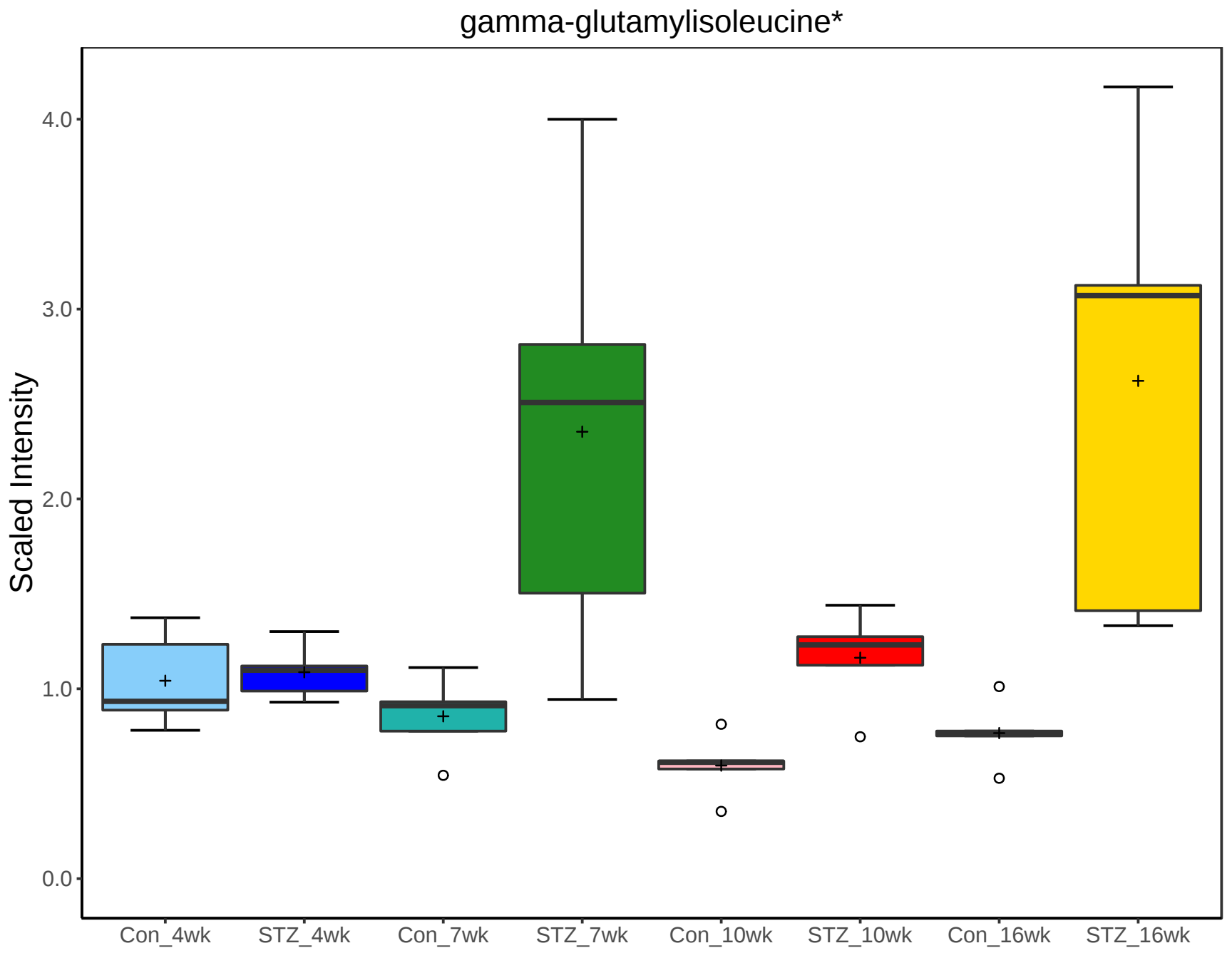

gamma-glutamylalanine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

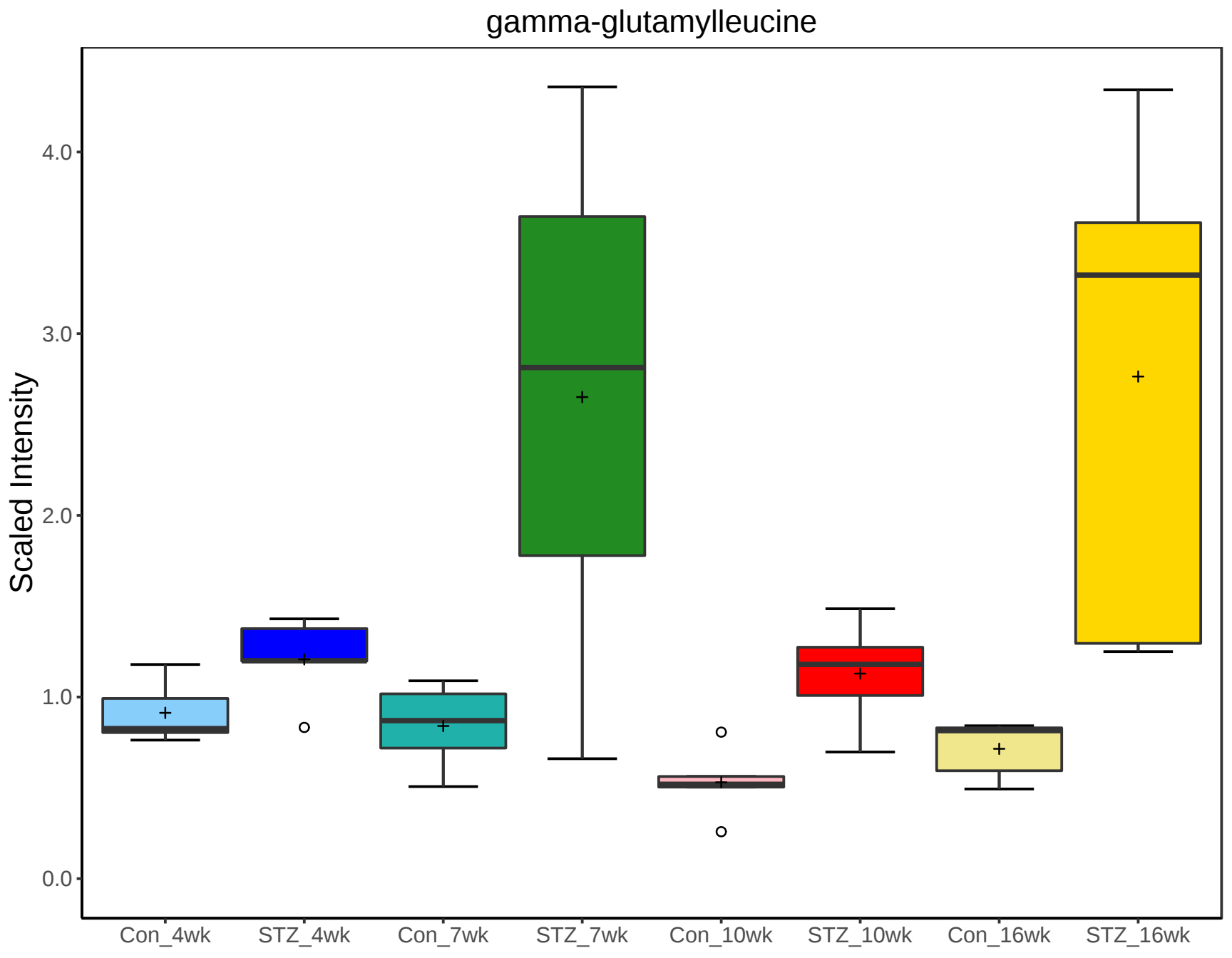

gamma-glutamylglutamate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

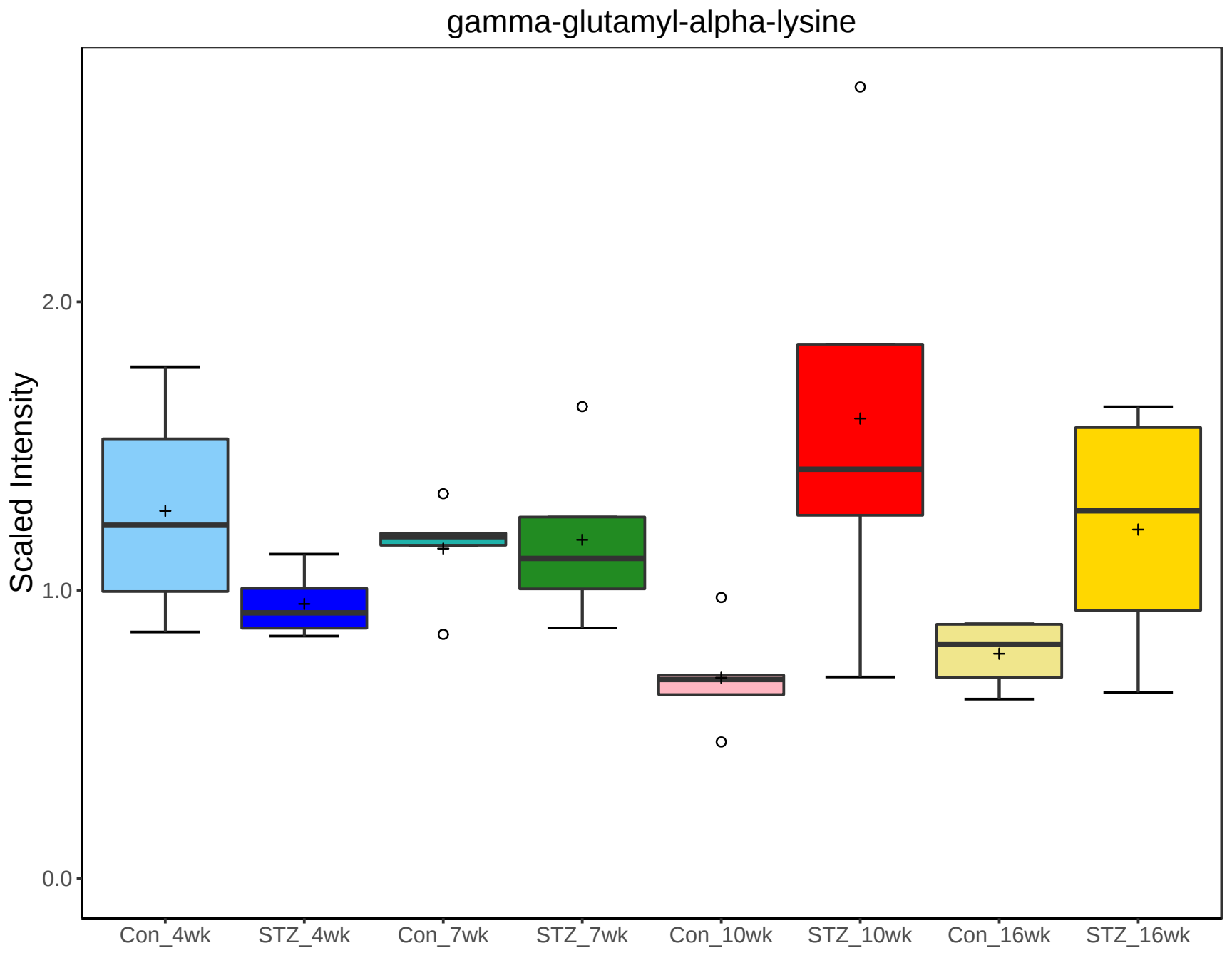

gamma-glutamylglutamine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

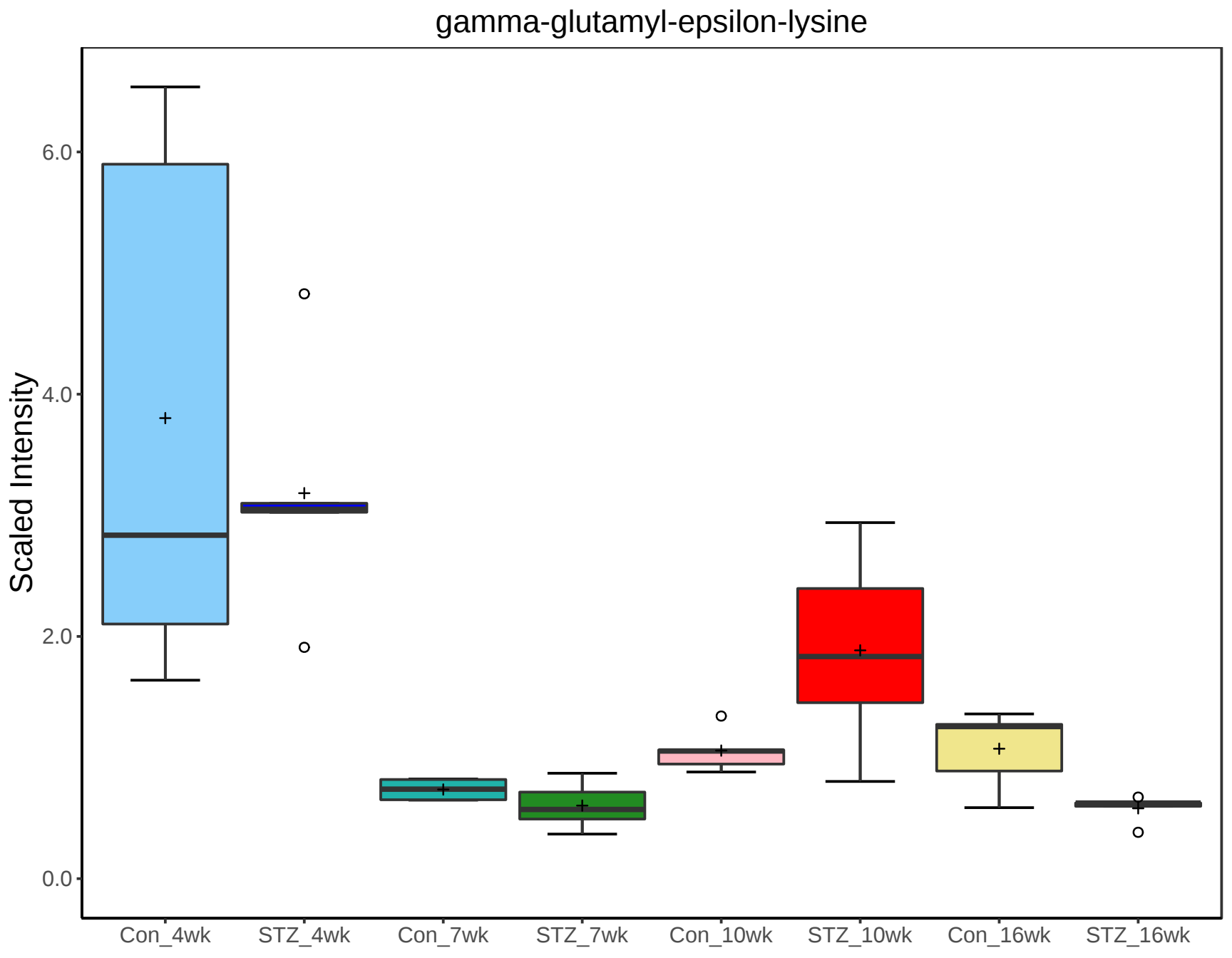

gamma-glutamylglycine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

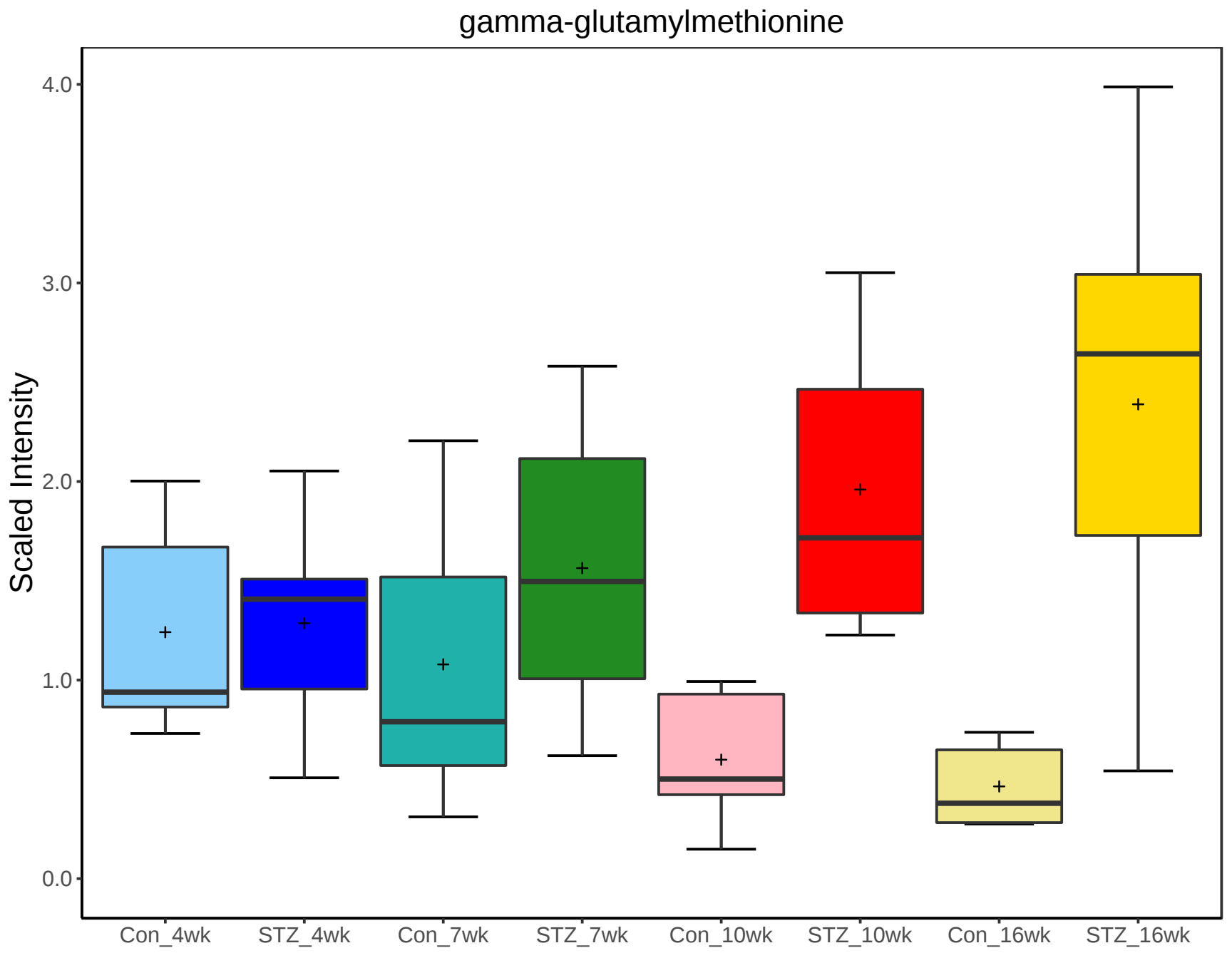

gamma-glutamylhistidine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

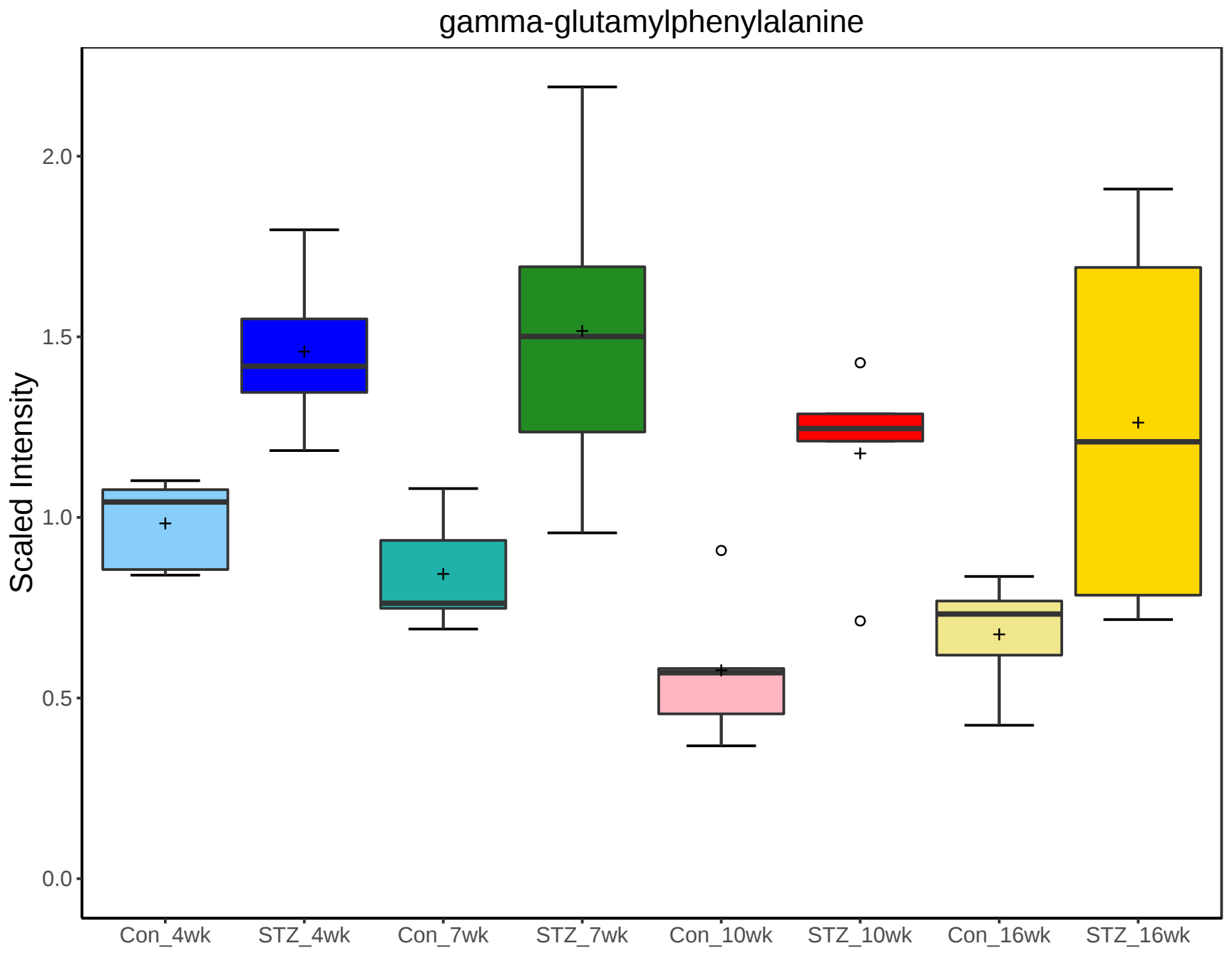

gamma-glutamylisoleucine*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

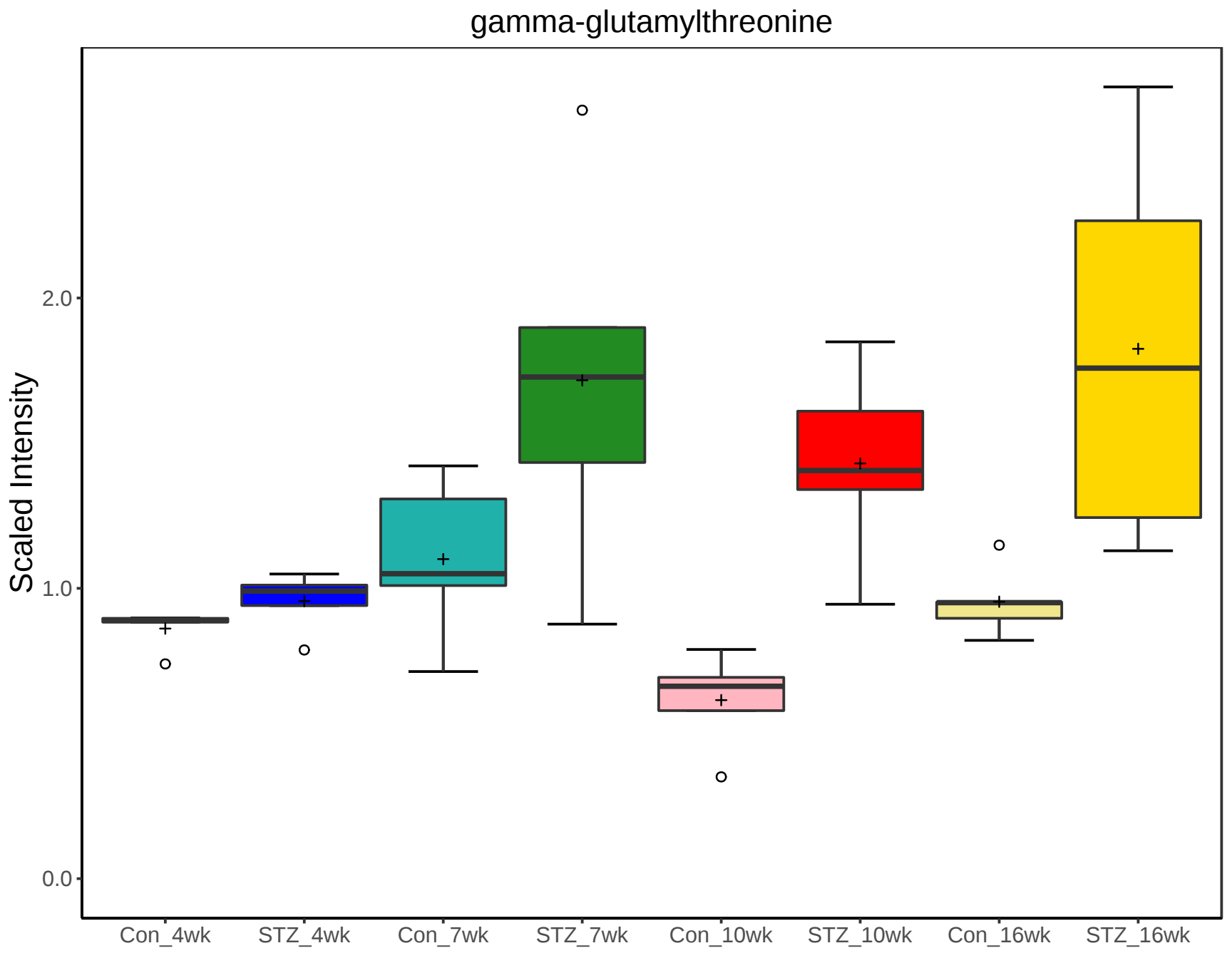

gamma-glutamylleucine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

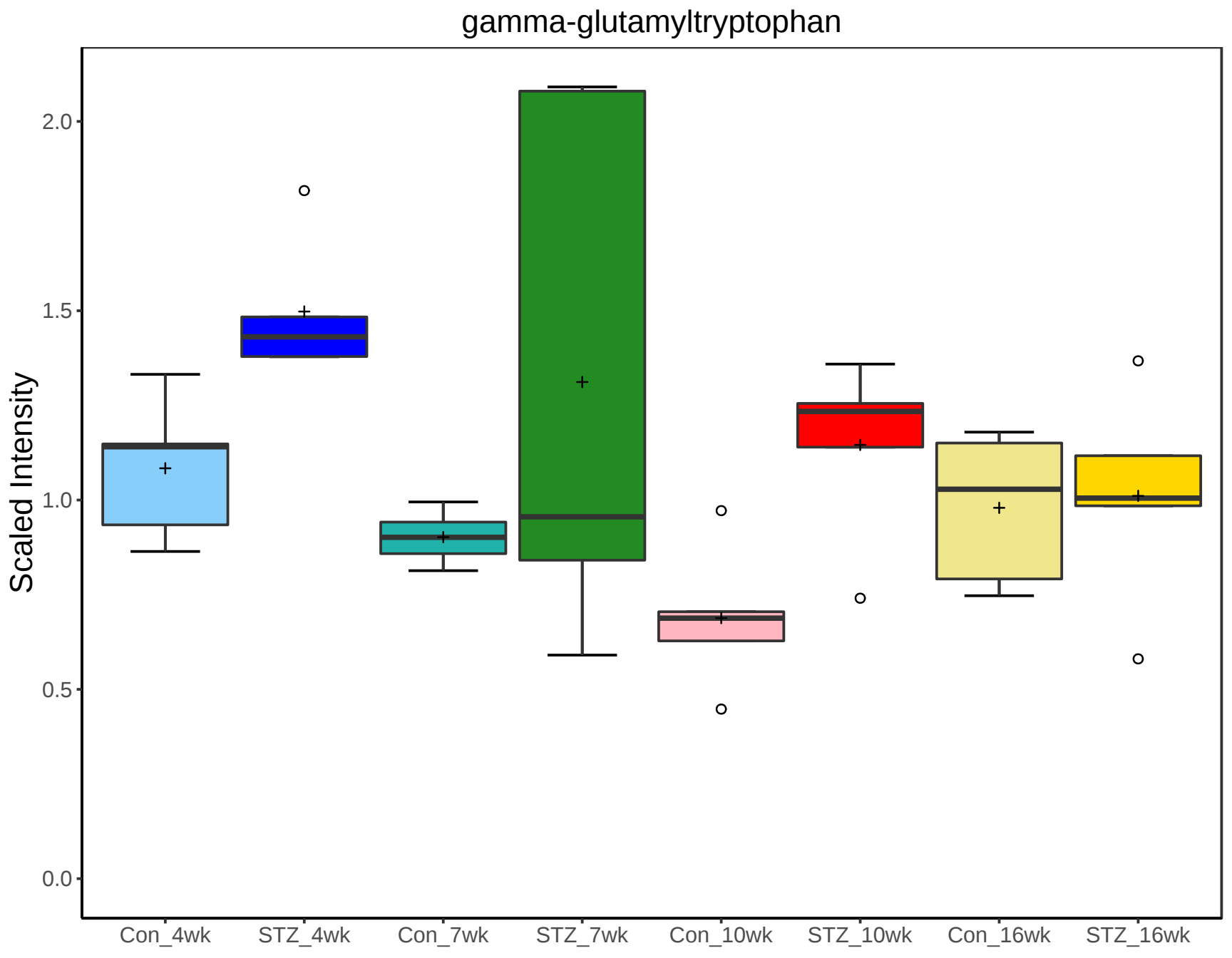

gamma-glutamyl-alpha-lysine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

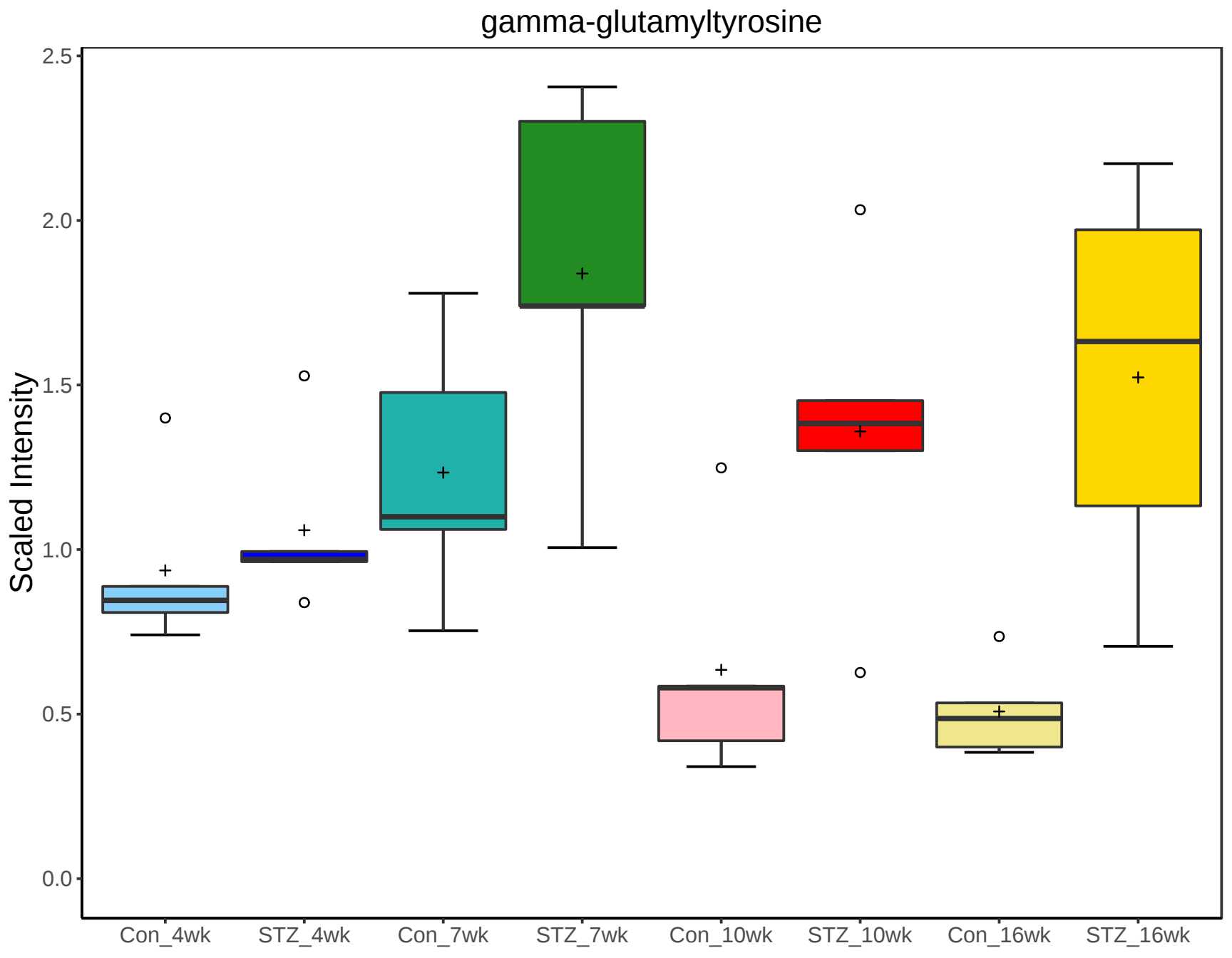

gamma-glutamyl-epsilon-lysine
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

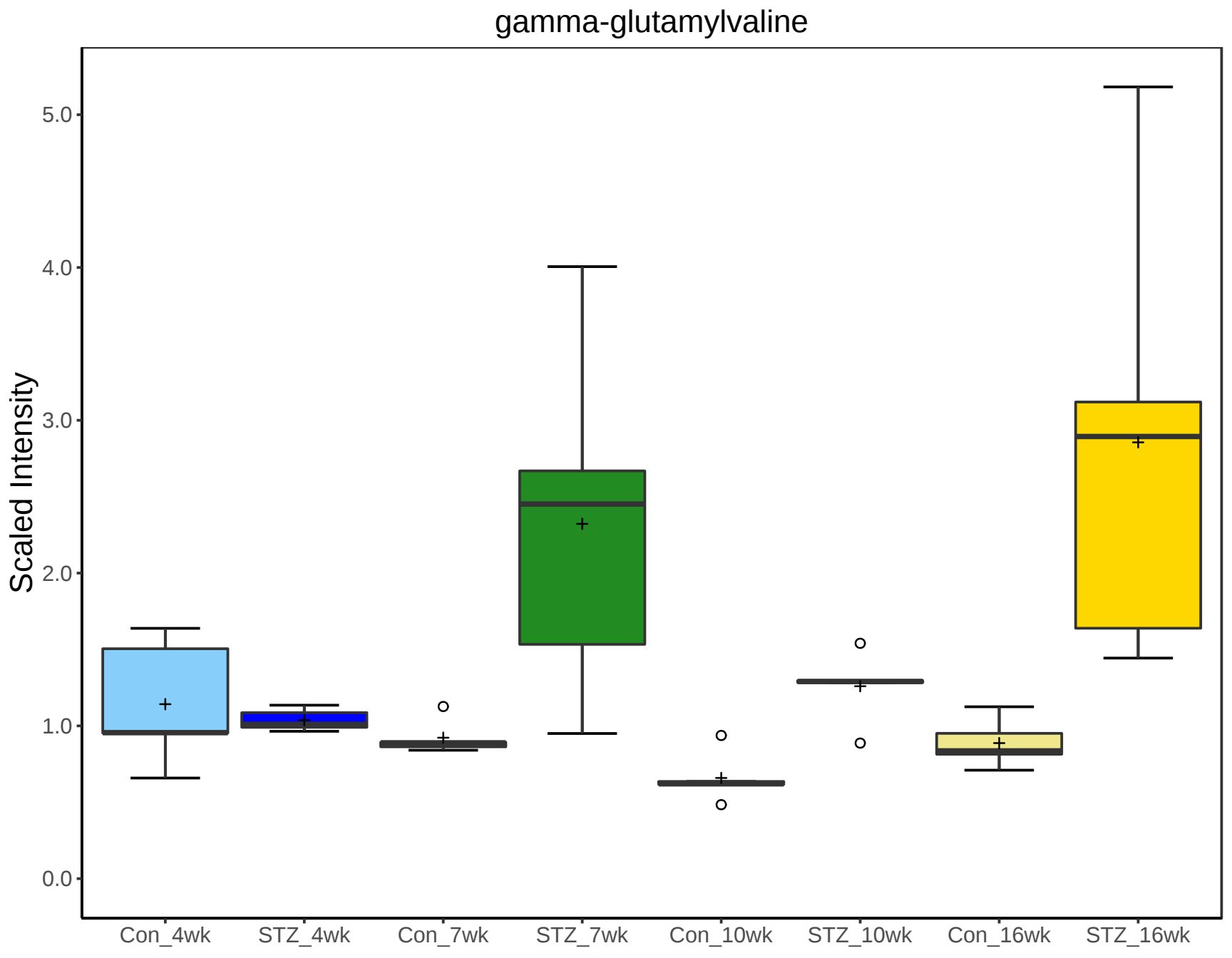

gamma-glutamylmethionine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

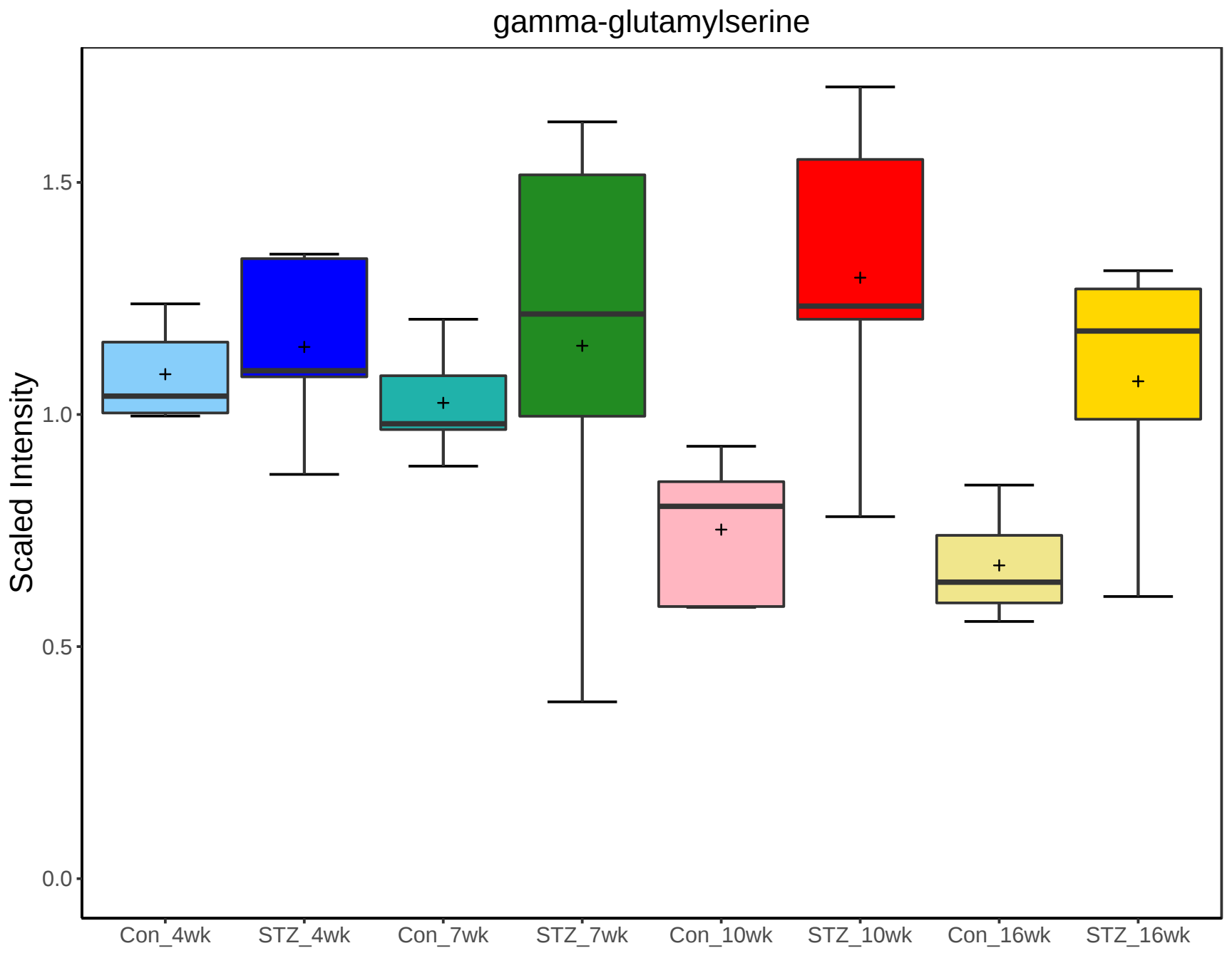

gamma-glutamylphenylalanine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

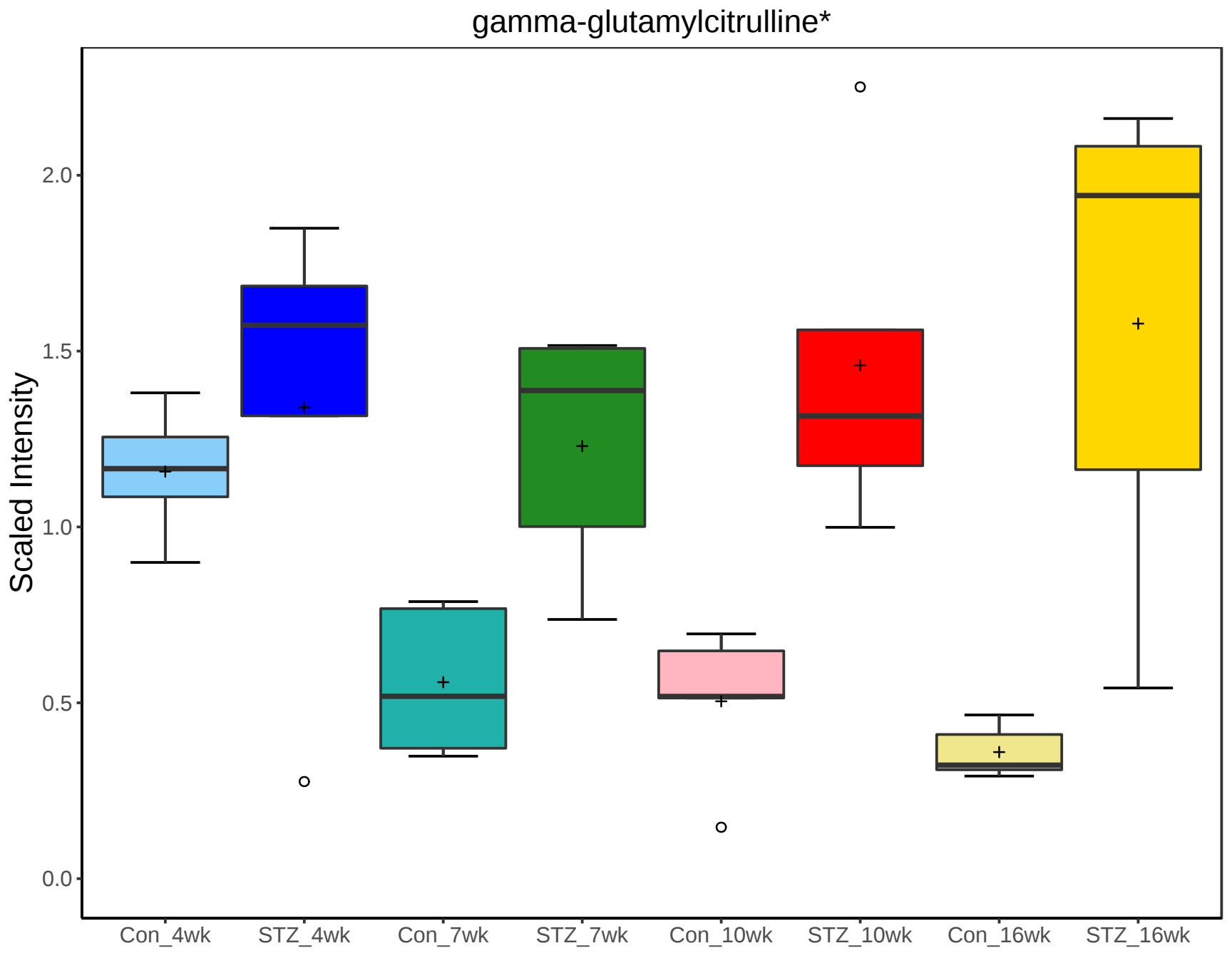

gamma-glutamylthreonine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

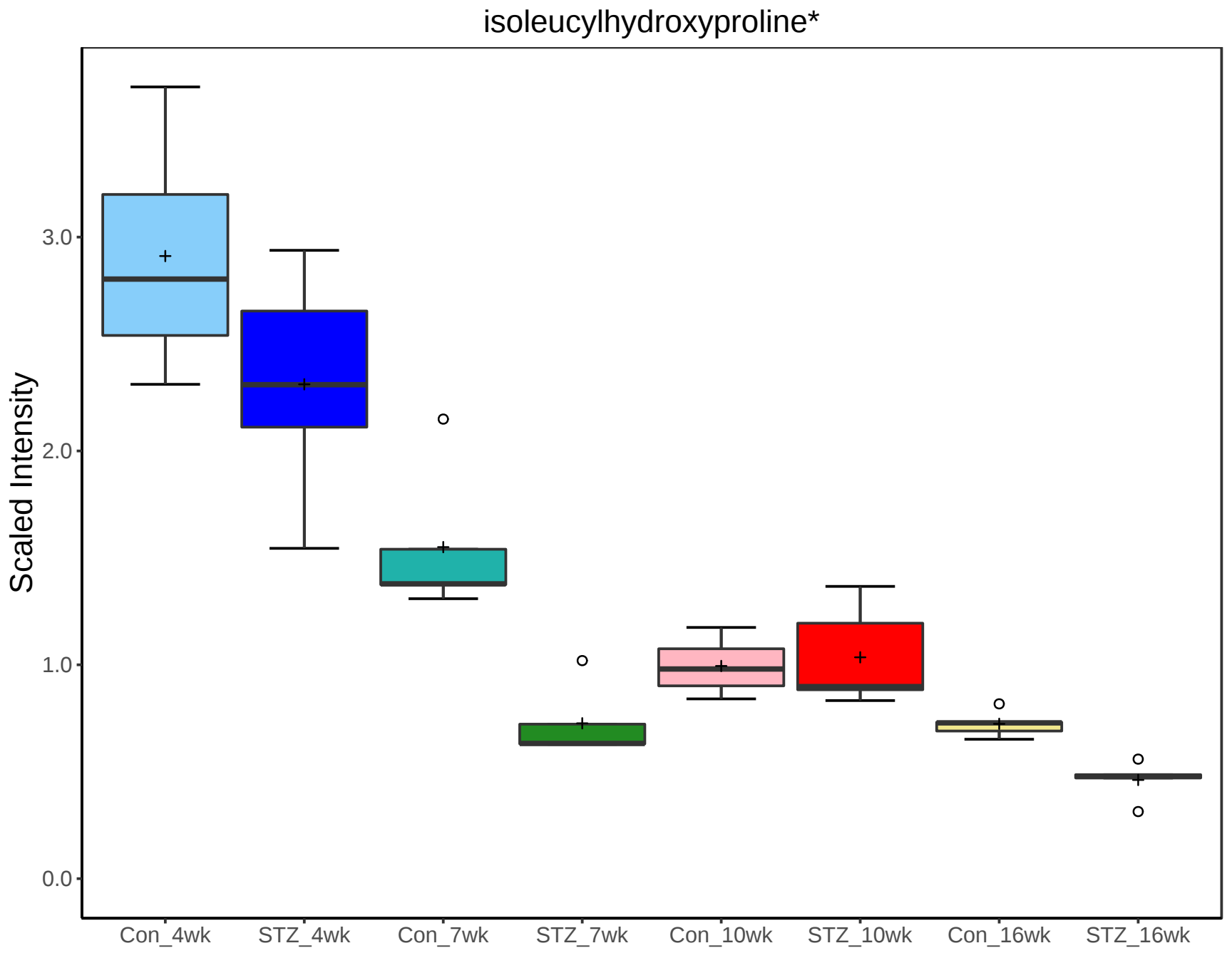

gamma-glutamyltryptophan
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

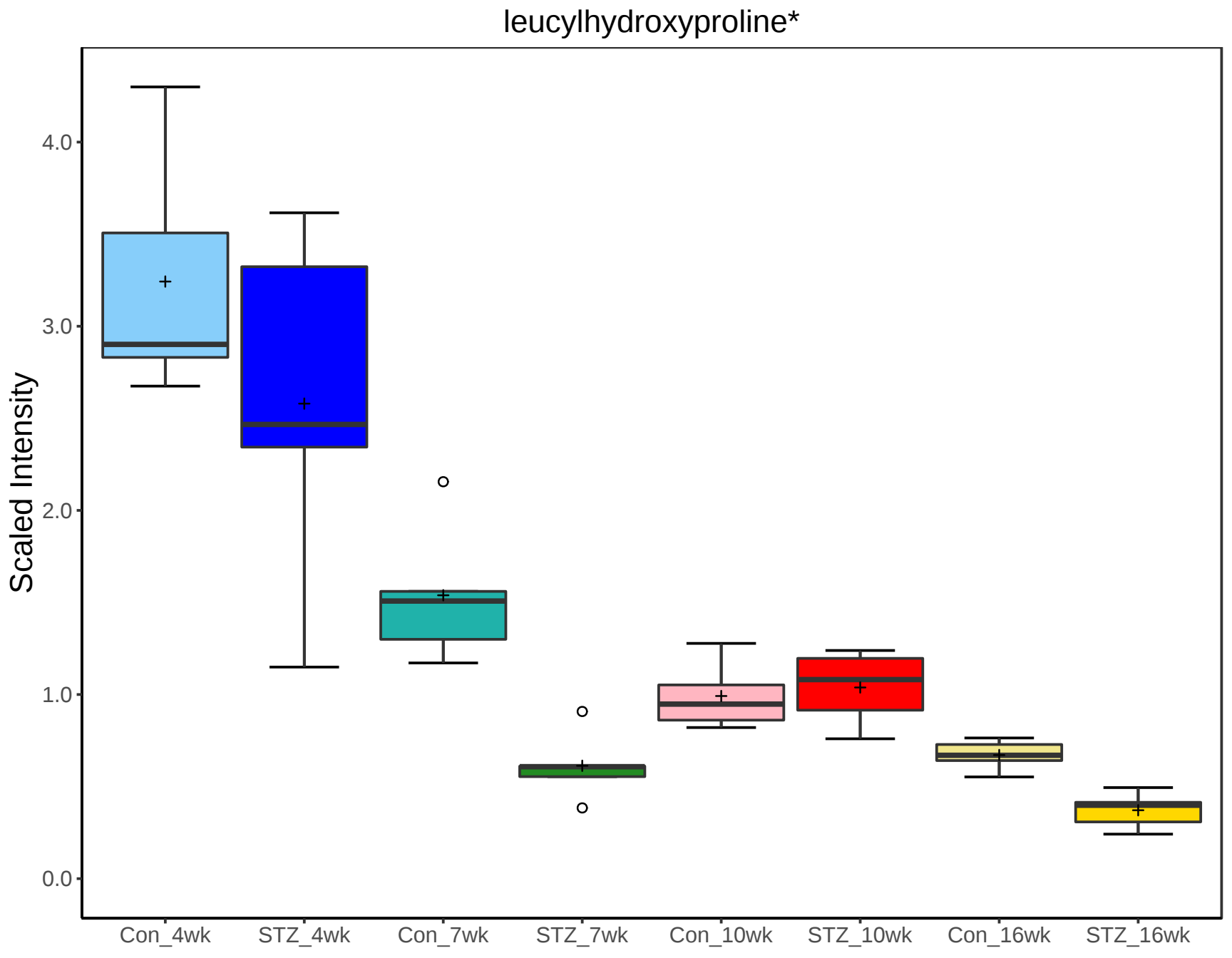

gamma-glutamyltyrosine
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

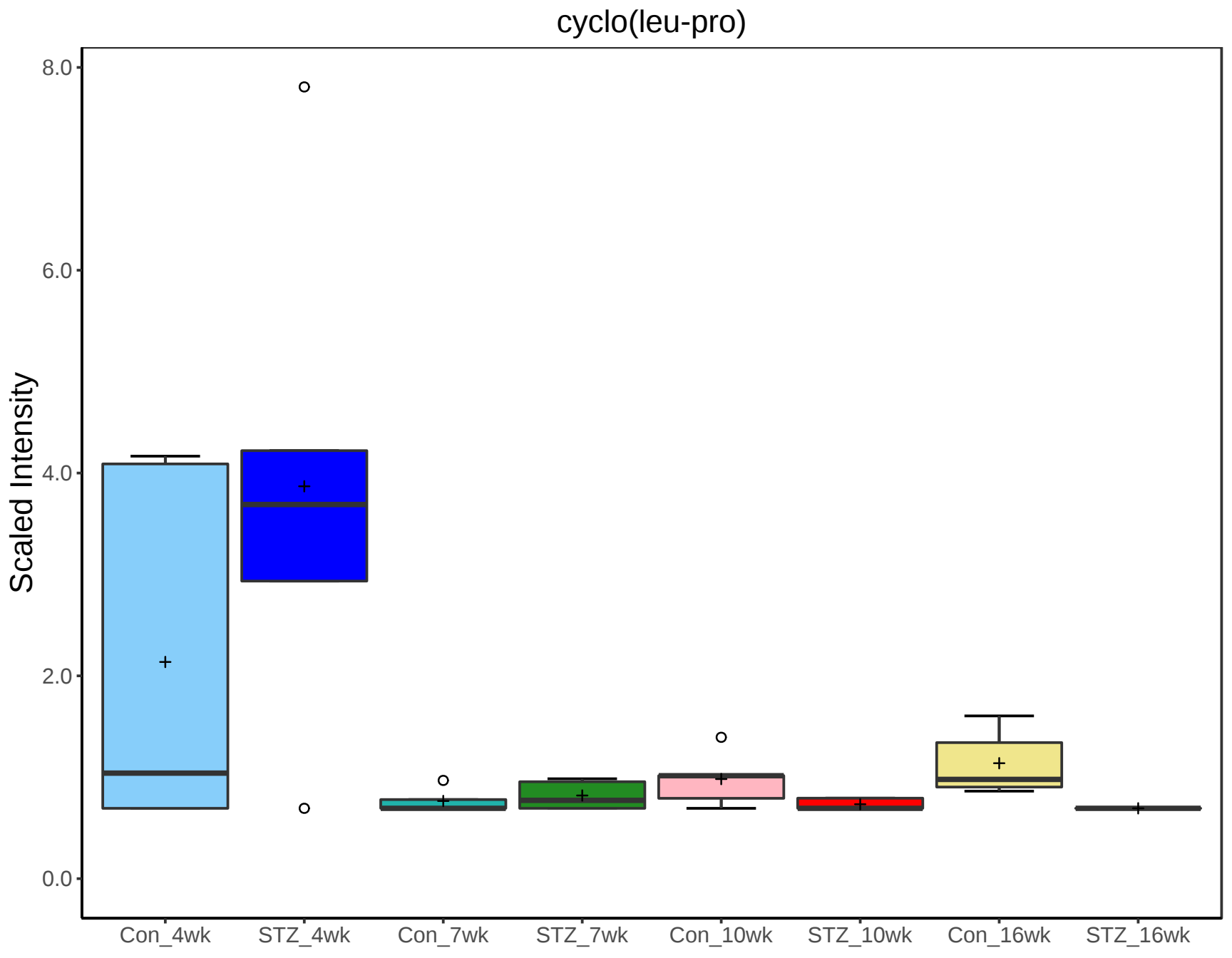

gamma-glutamylvaline
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

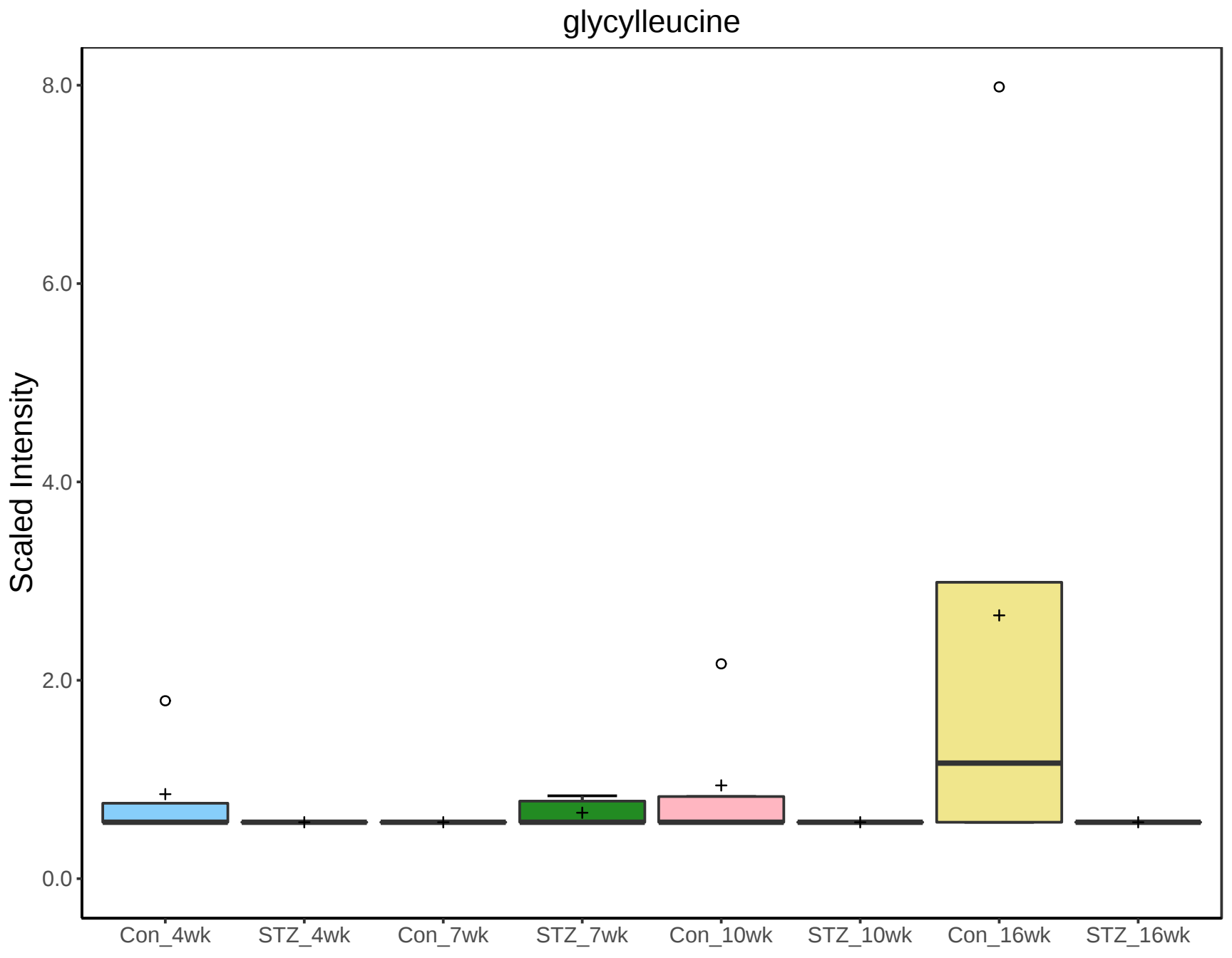

gamma-glutamylserine
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

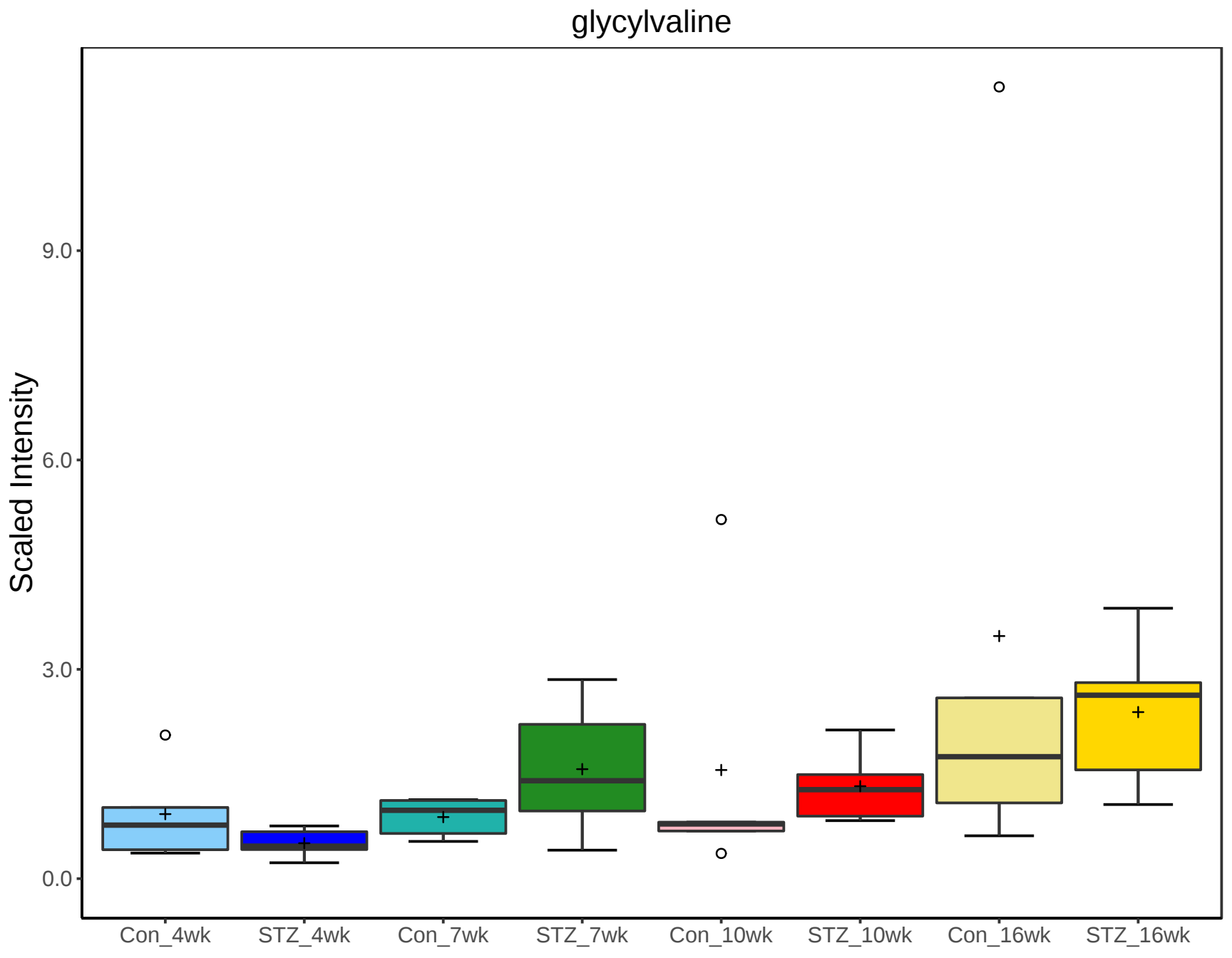

gamma-glutamylcitrulline*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

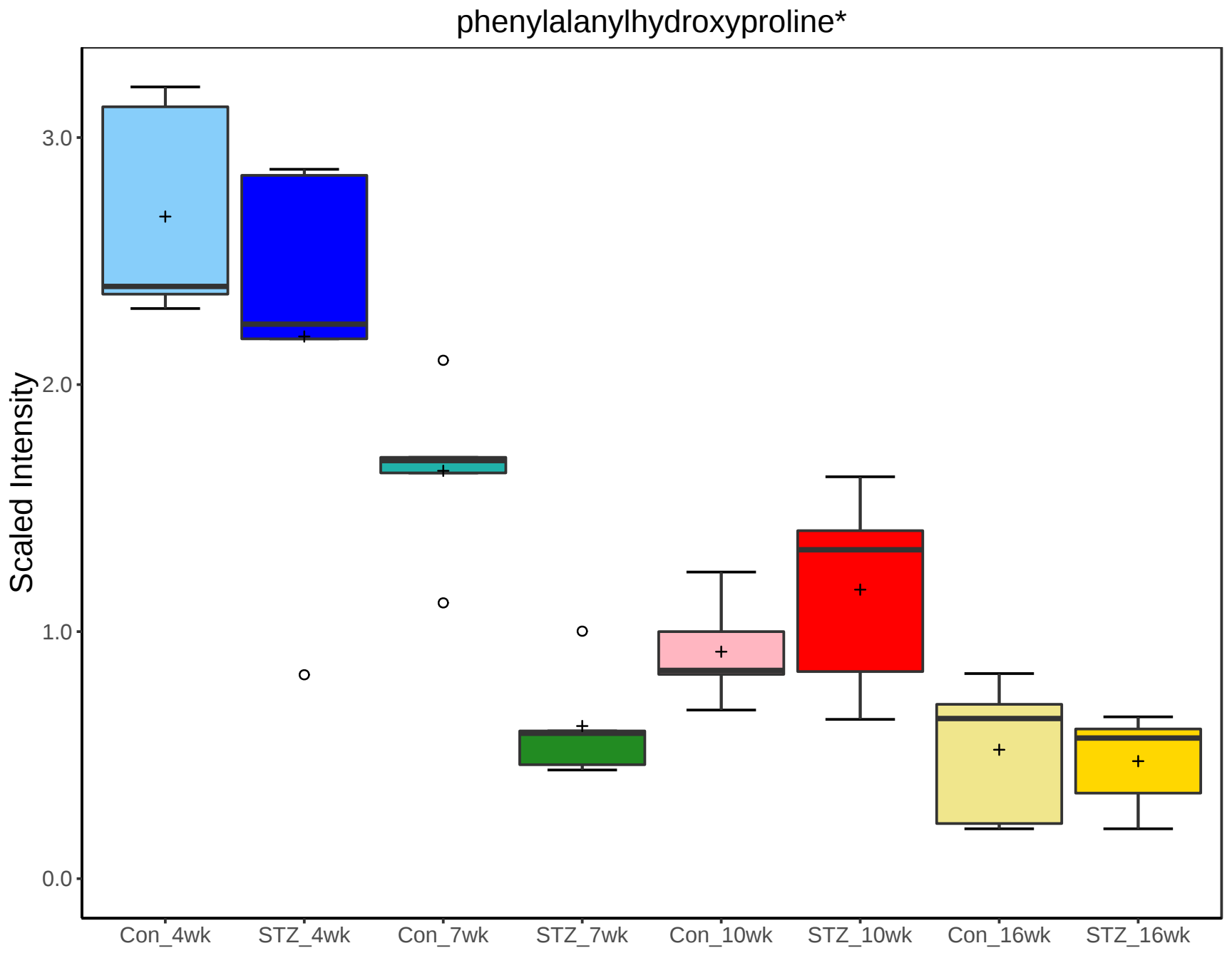

isoleucylhydroxyproline*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

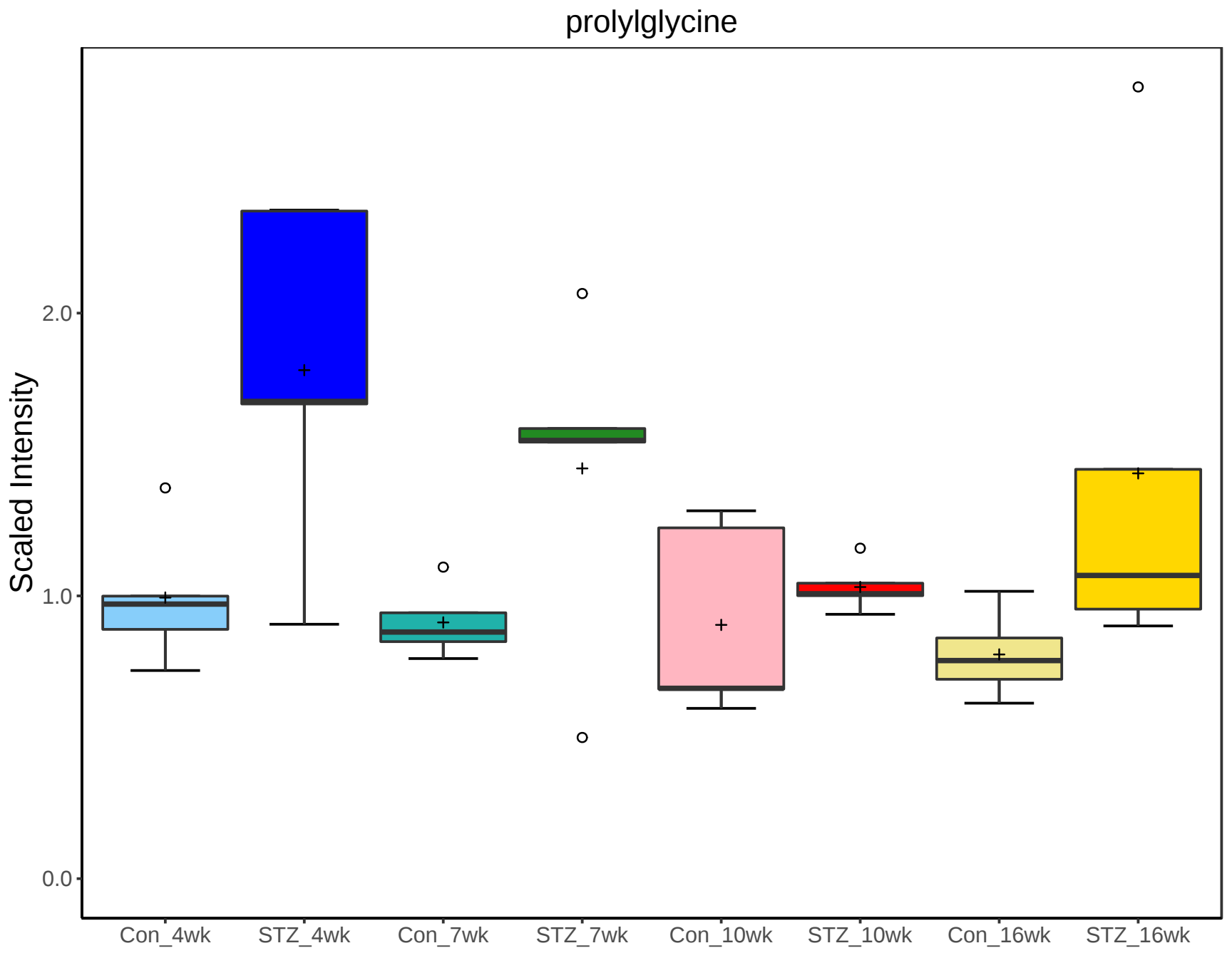

leucylhydroxyproline*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

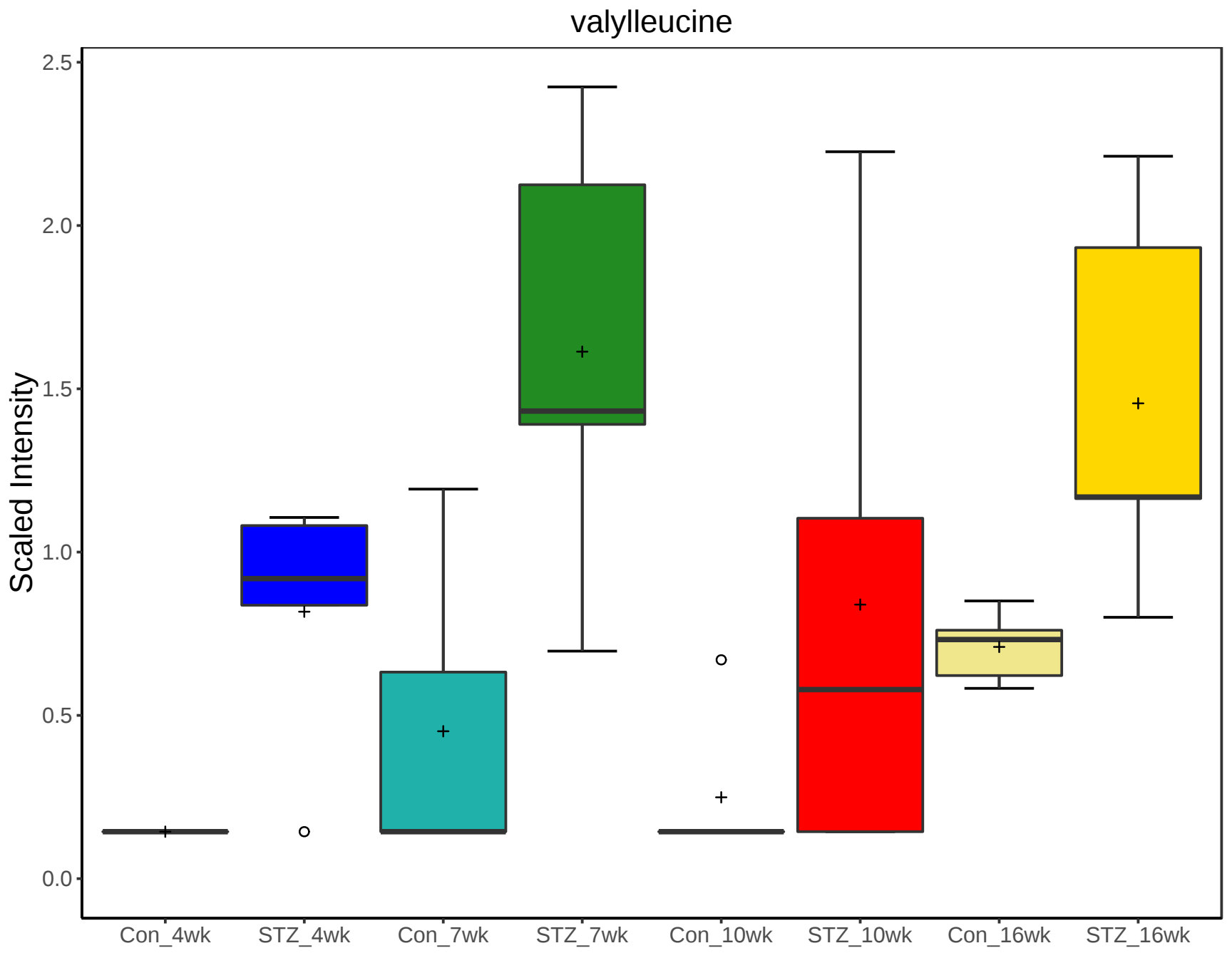

cyclo(leu-pro)
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

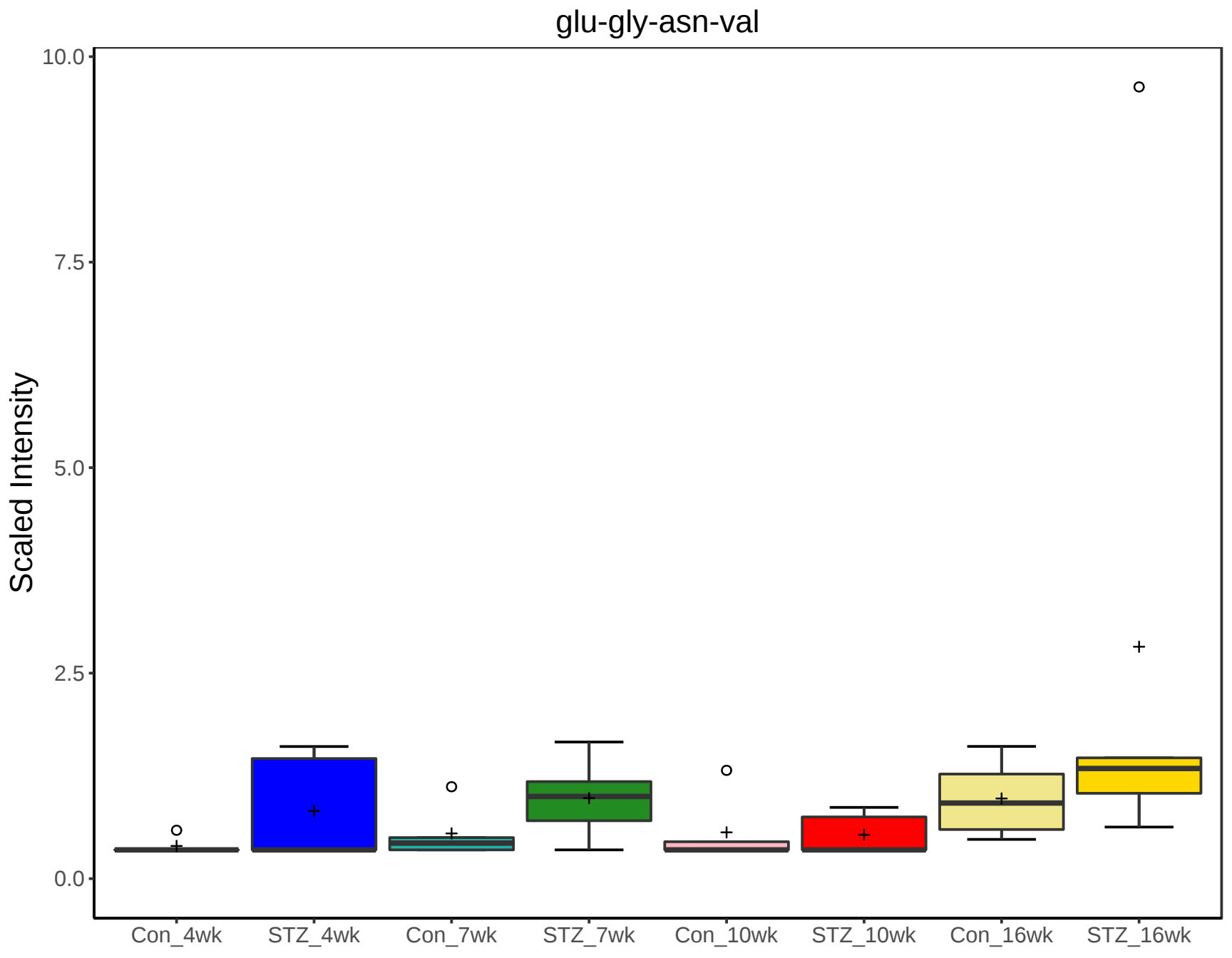

glycylleucine
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

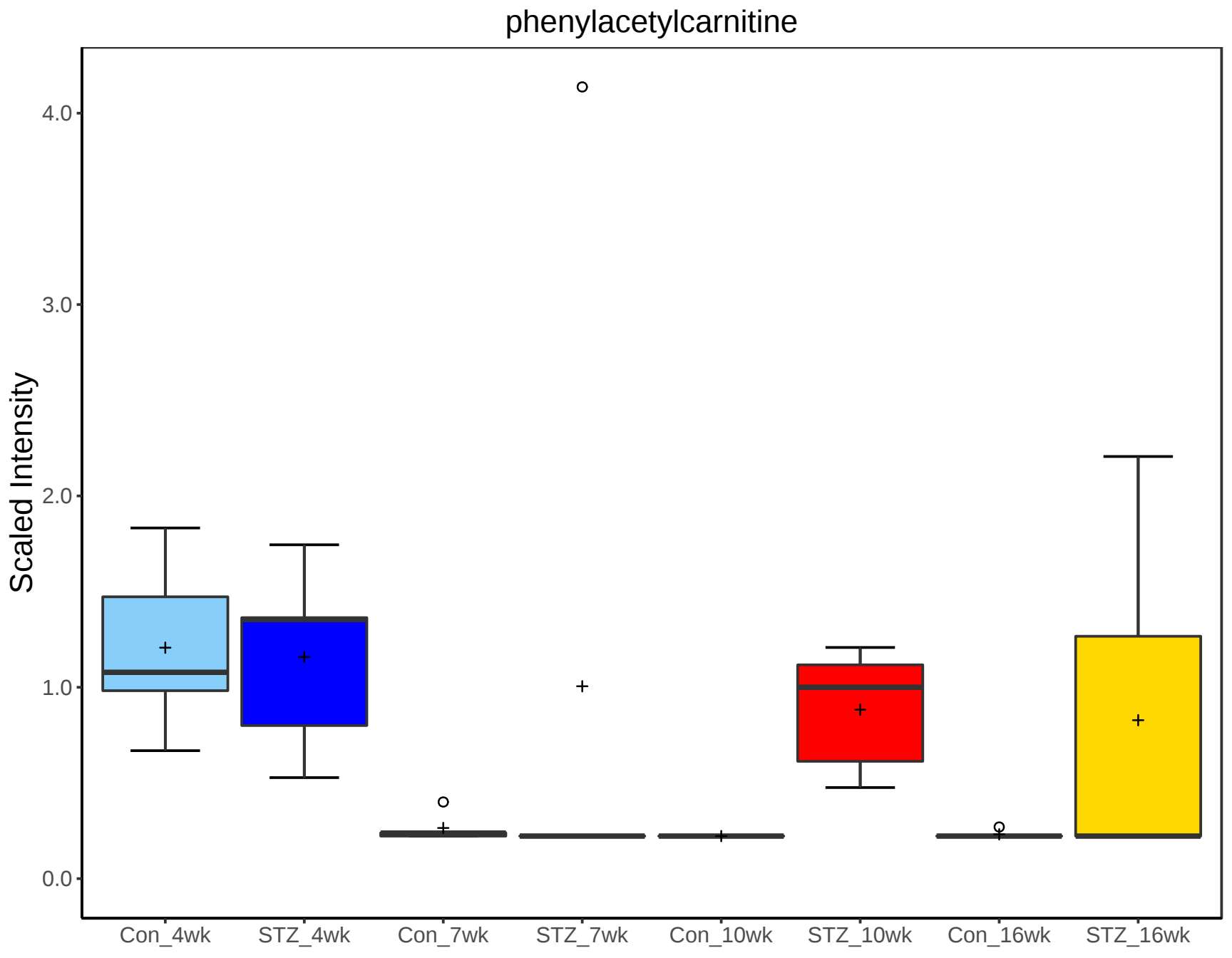

glycylvaline
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

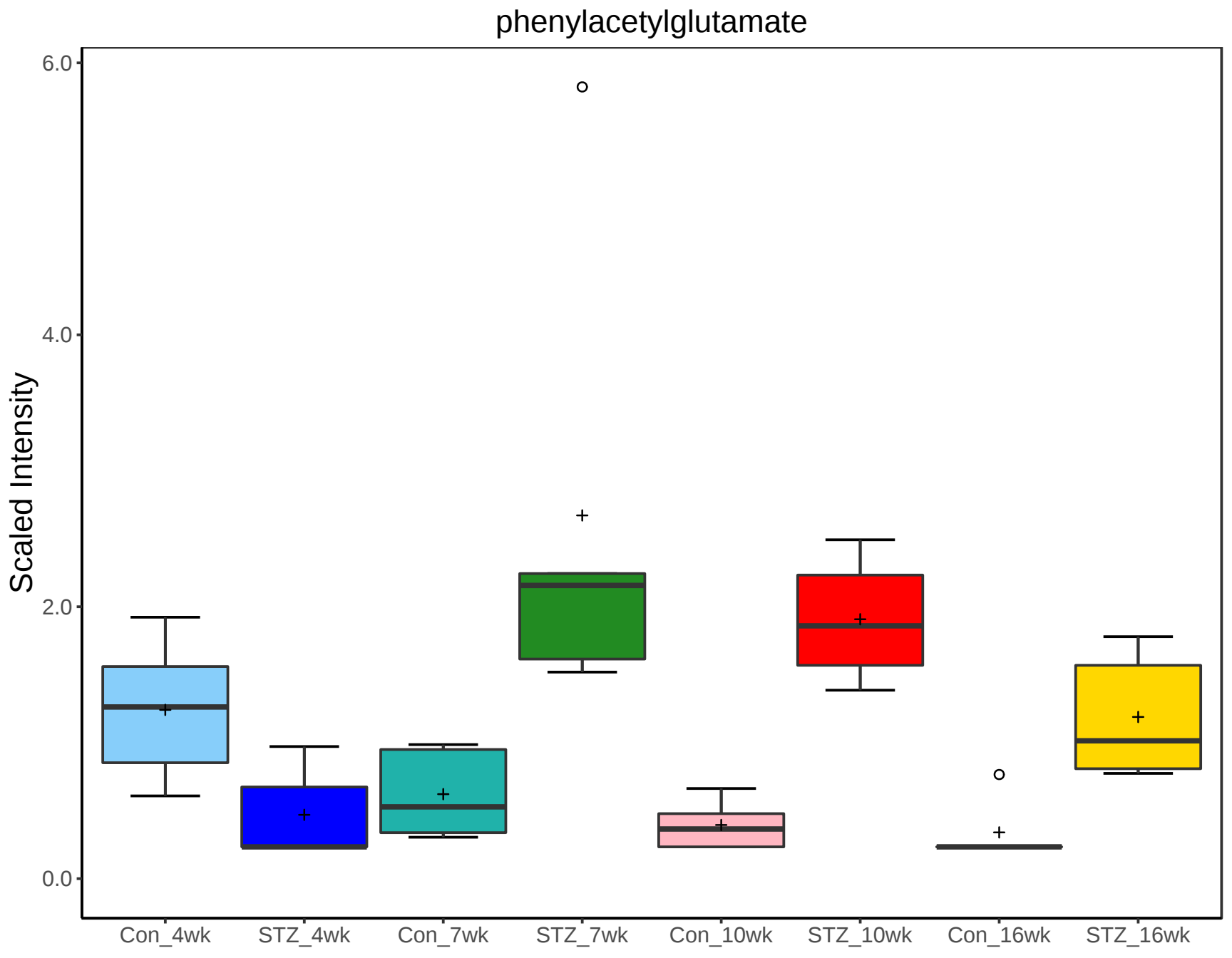

phenylalanylhydroxyproline*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

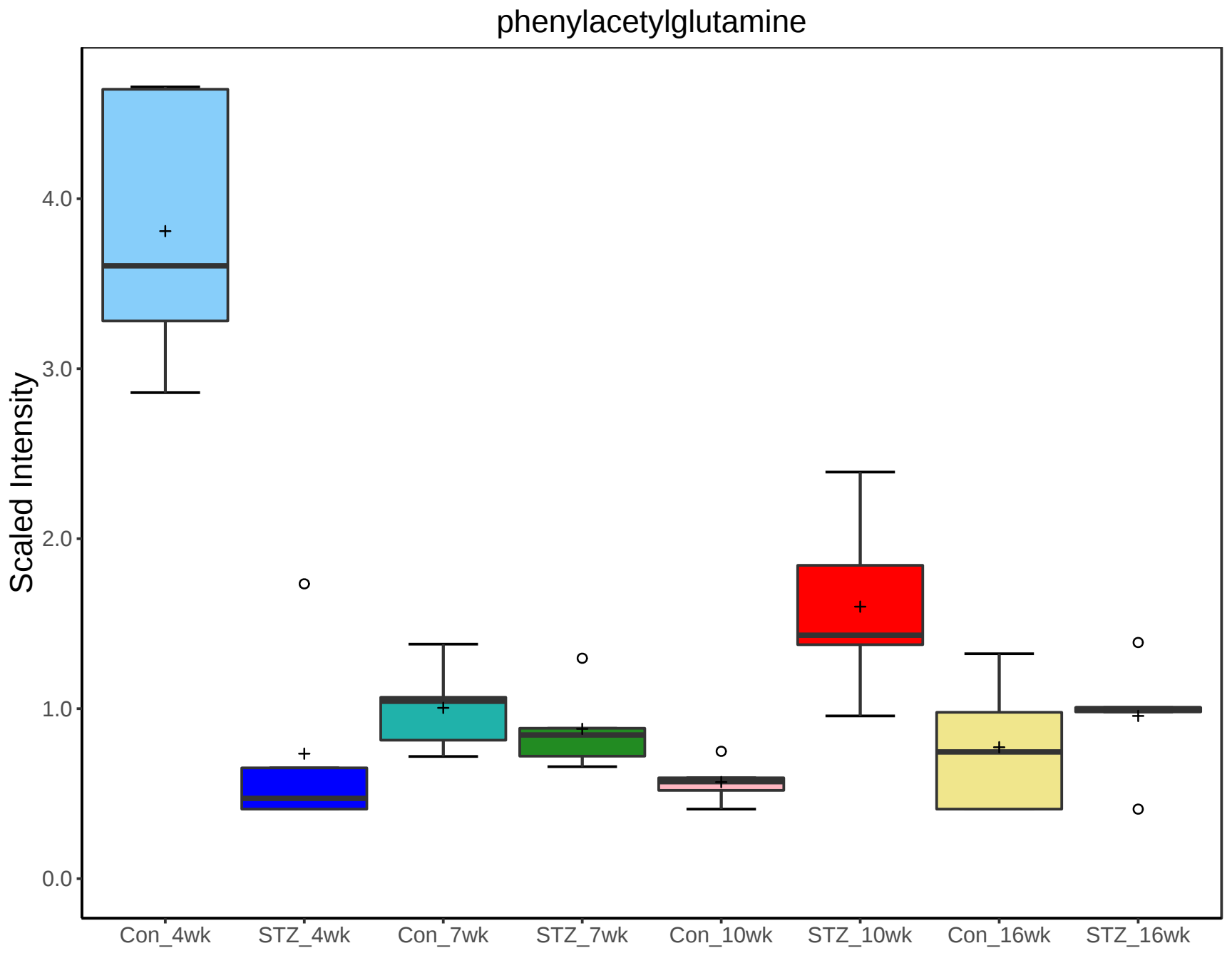

prolylglycine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

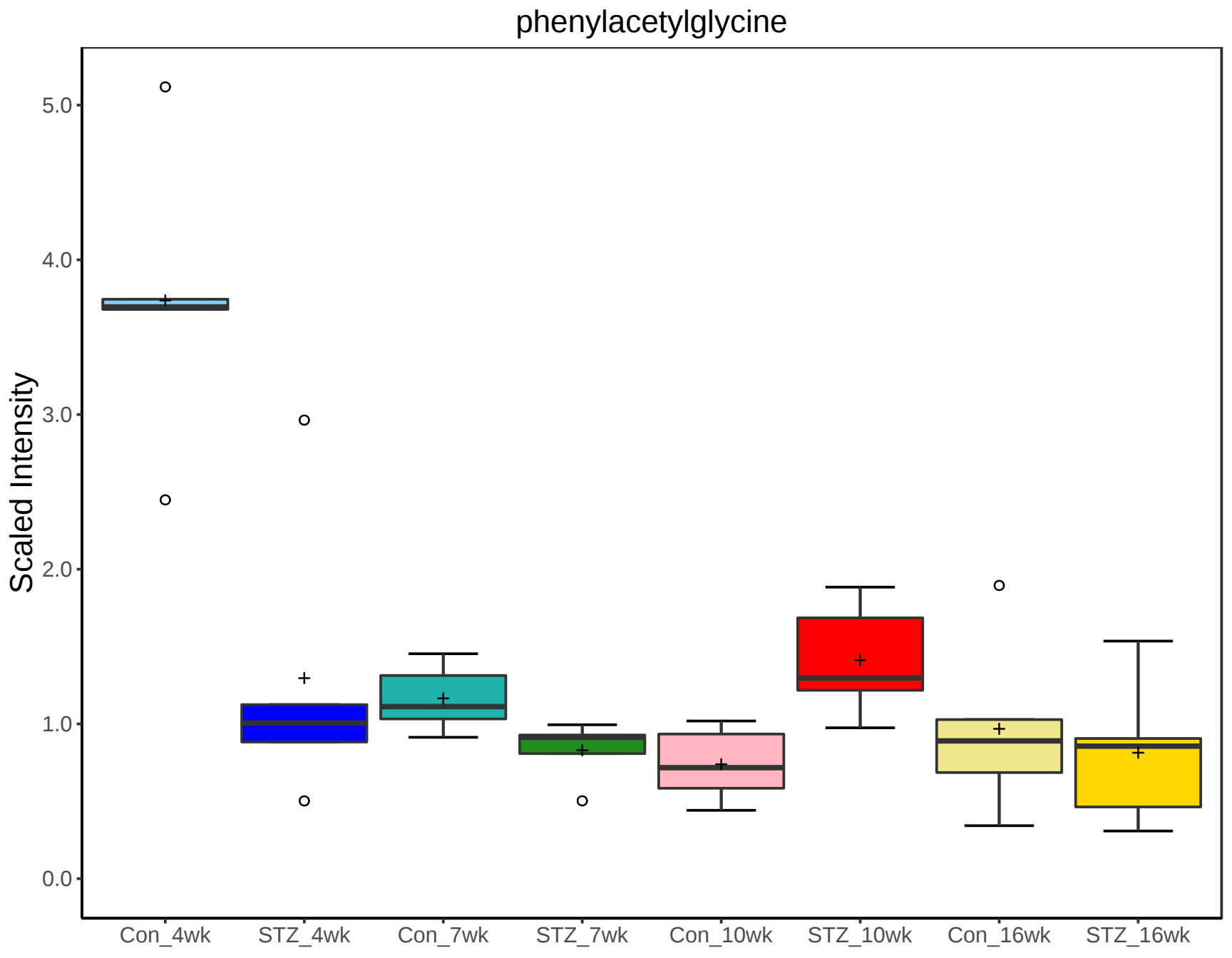

valylleucine
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

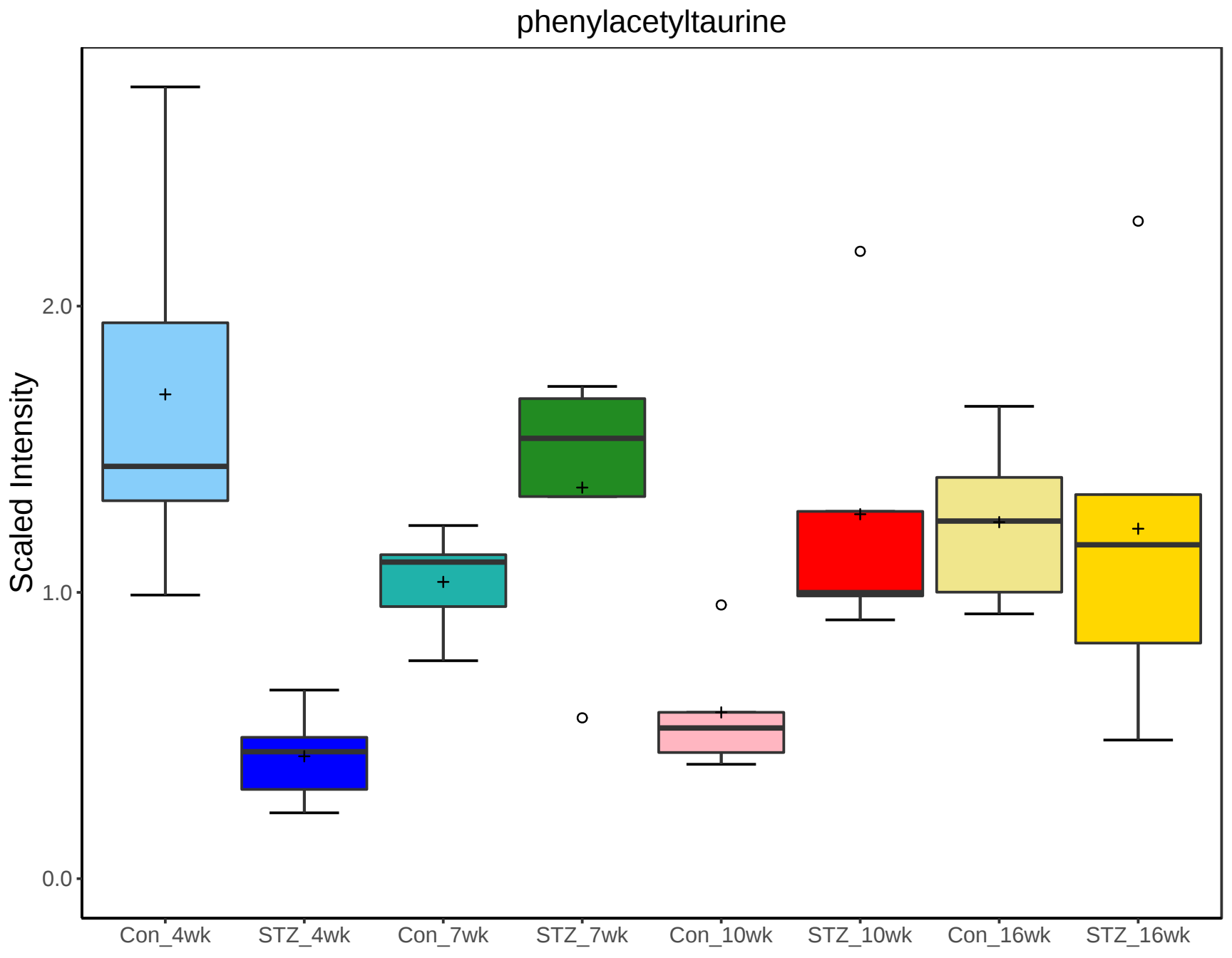

glu-gly-asn-val
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

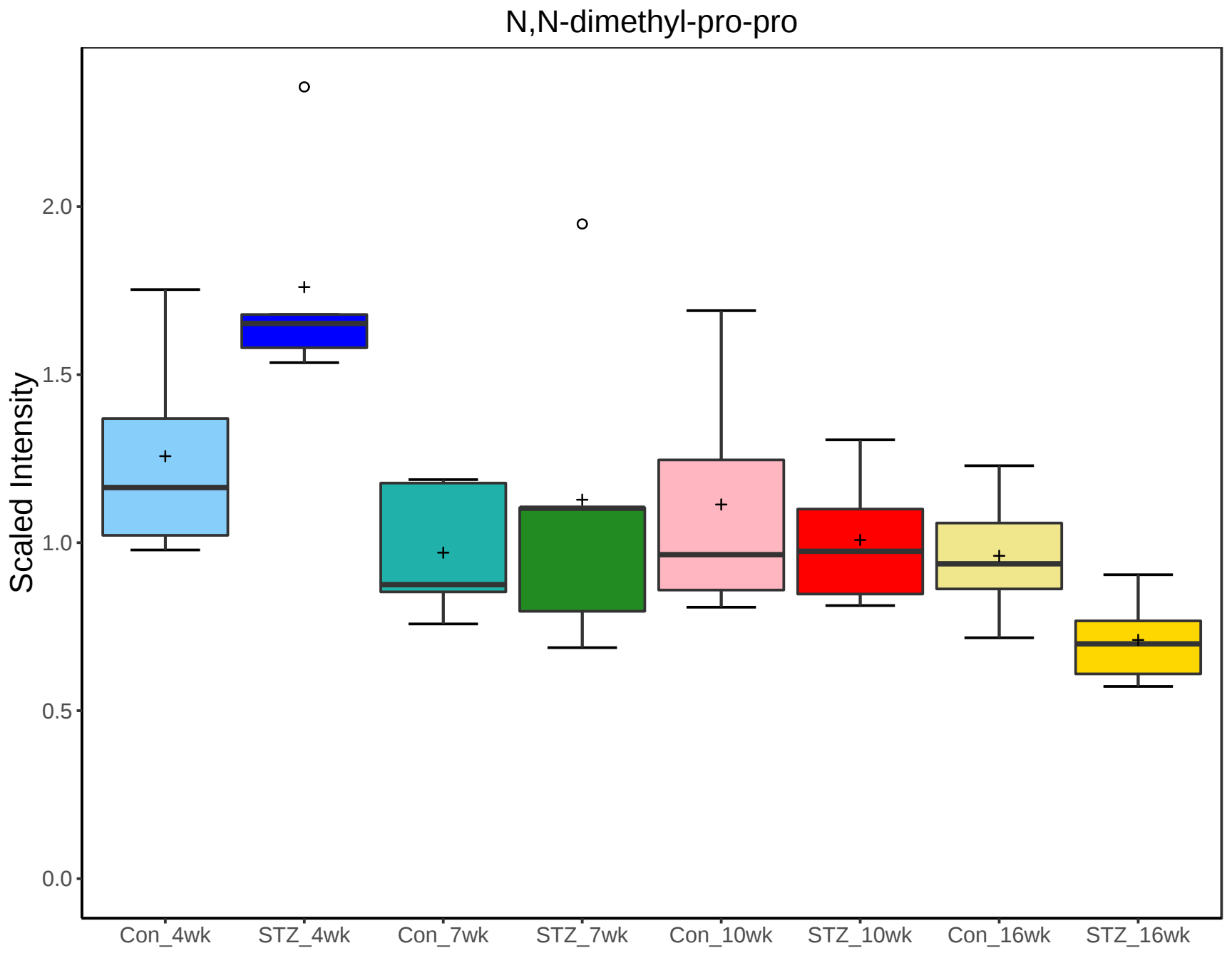

phenylacetylcarnitine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

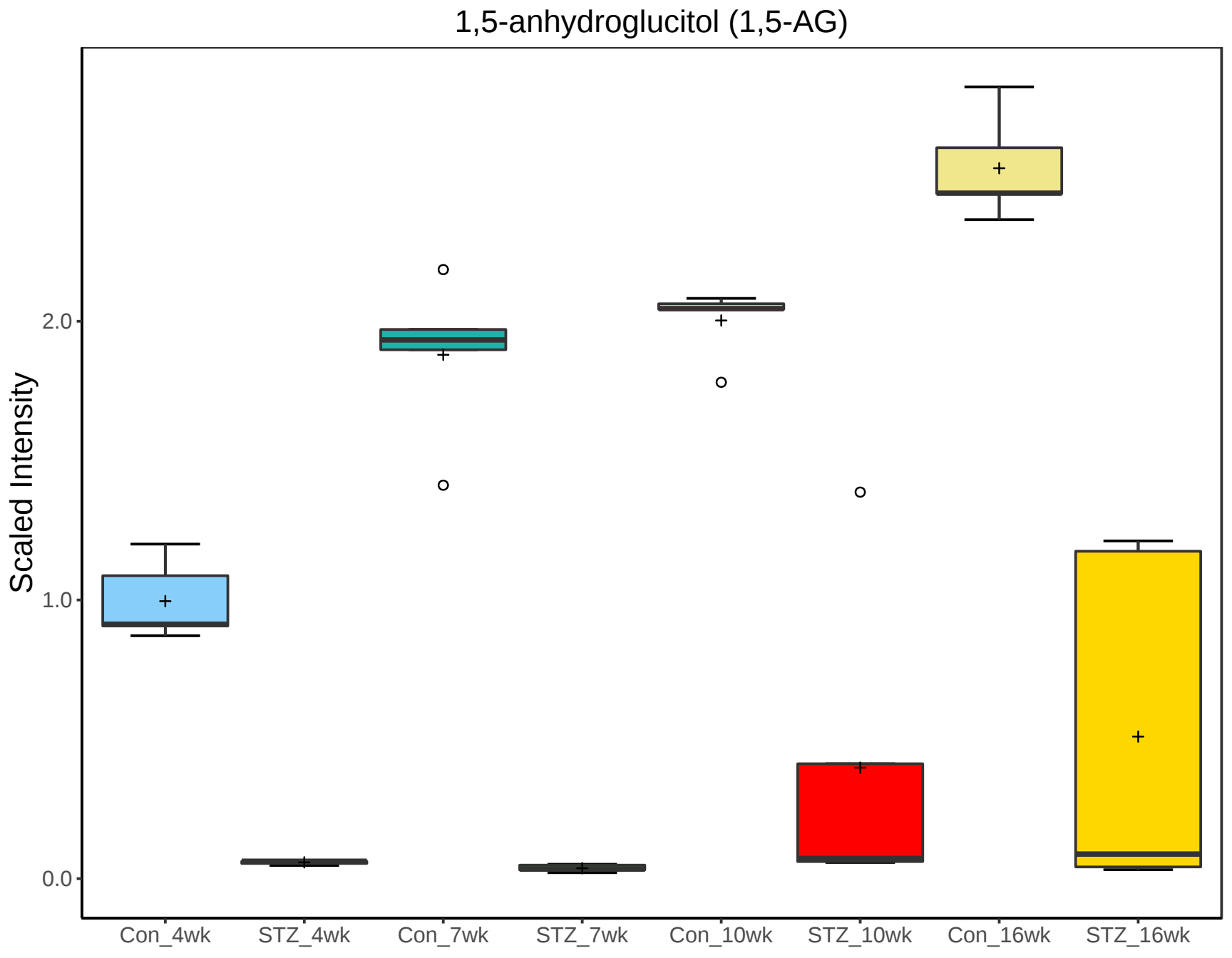

phenylacetylglutamate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

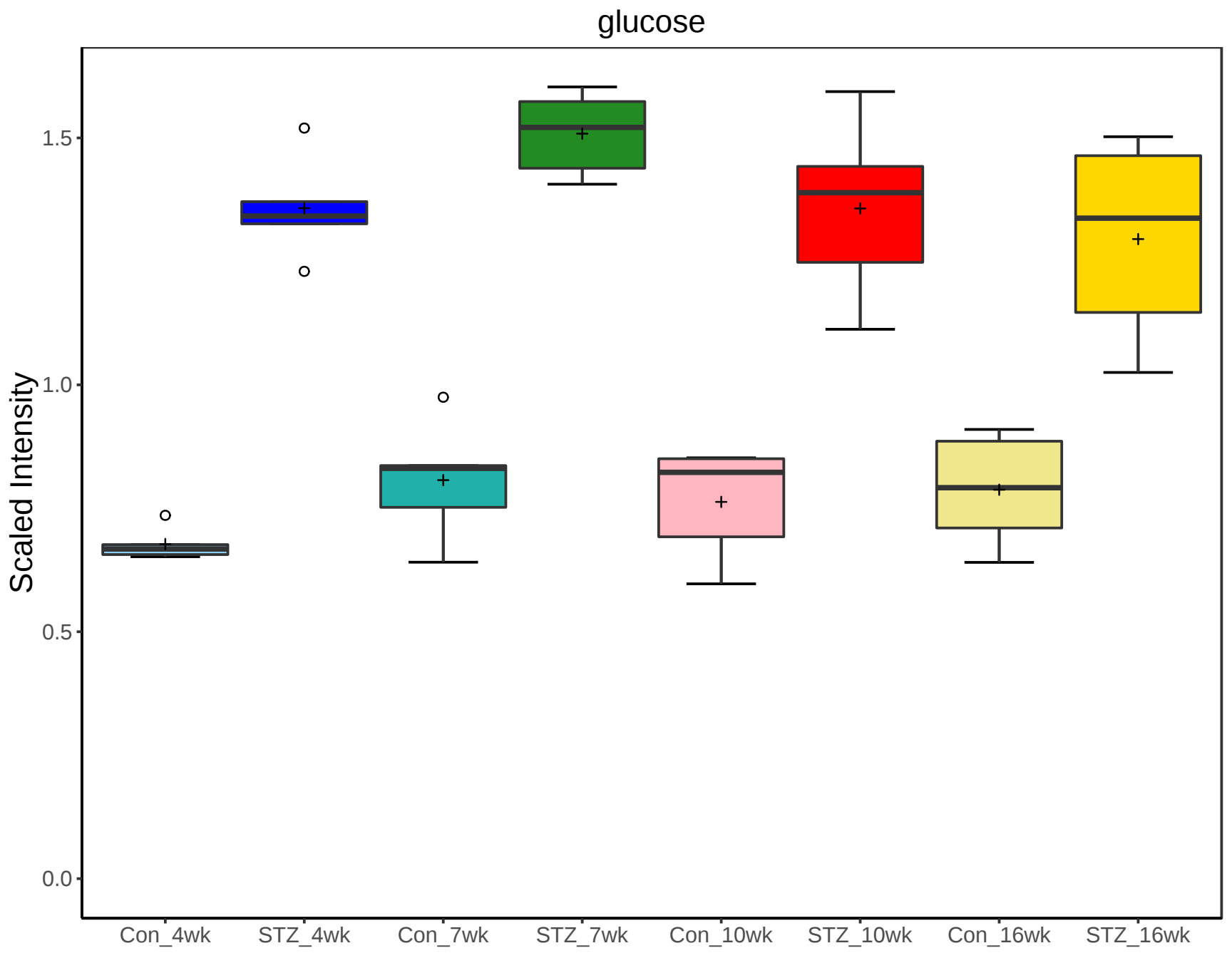

phenylacetylglutamine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

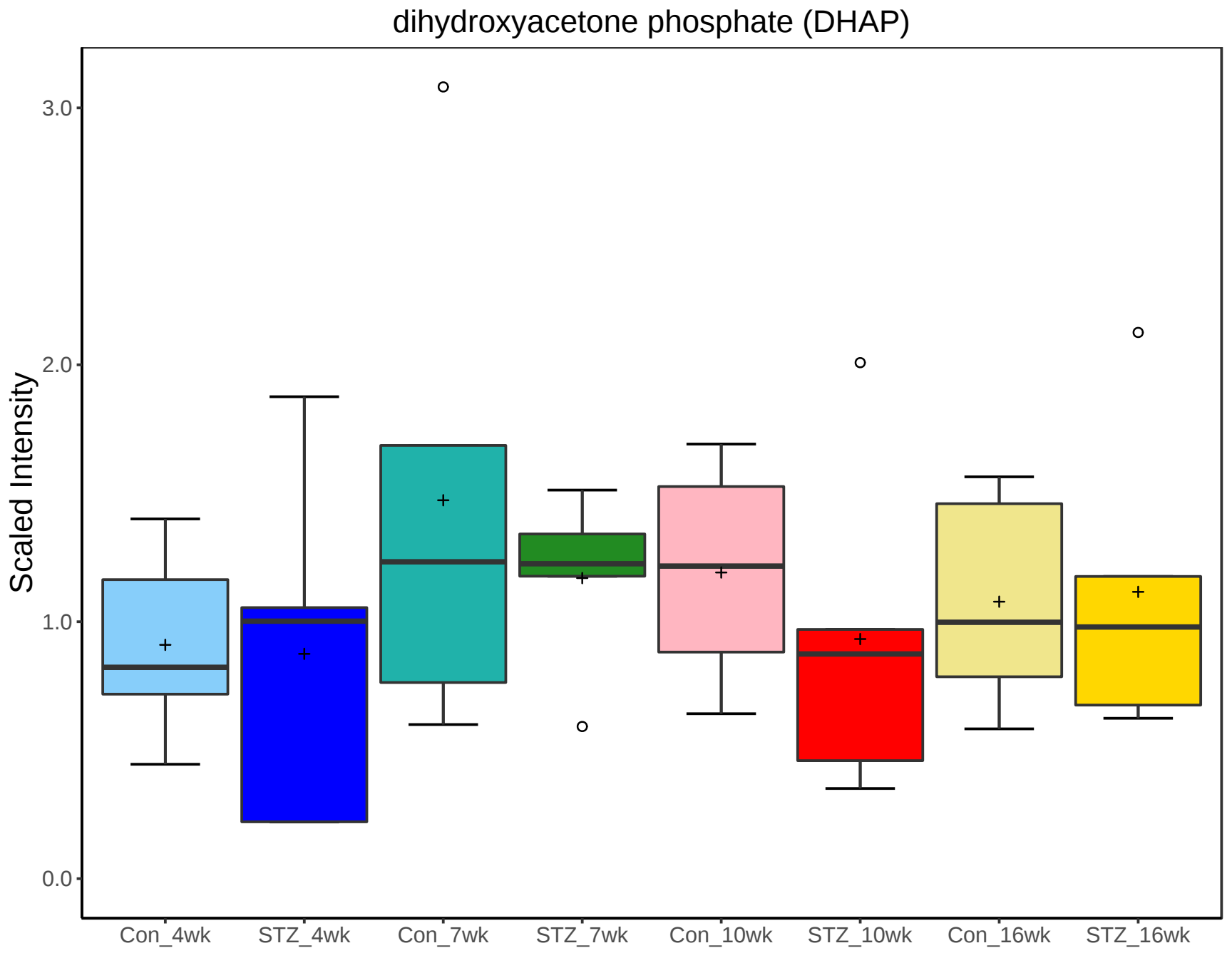

phenylacetylglycine
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

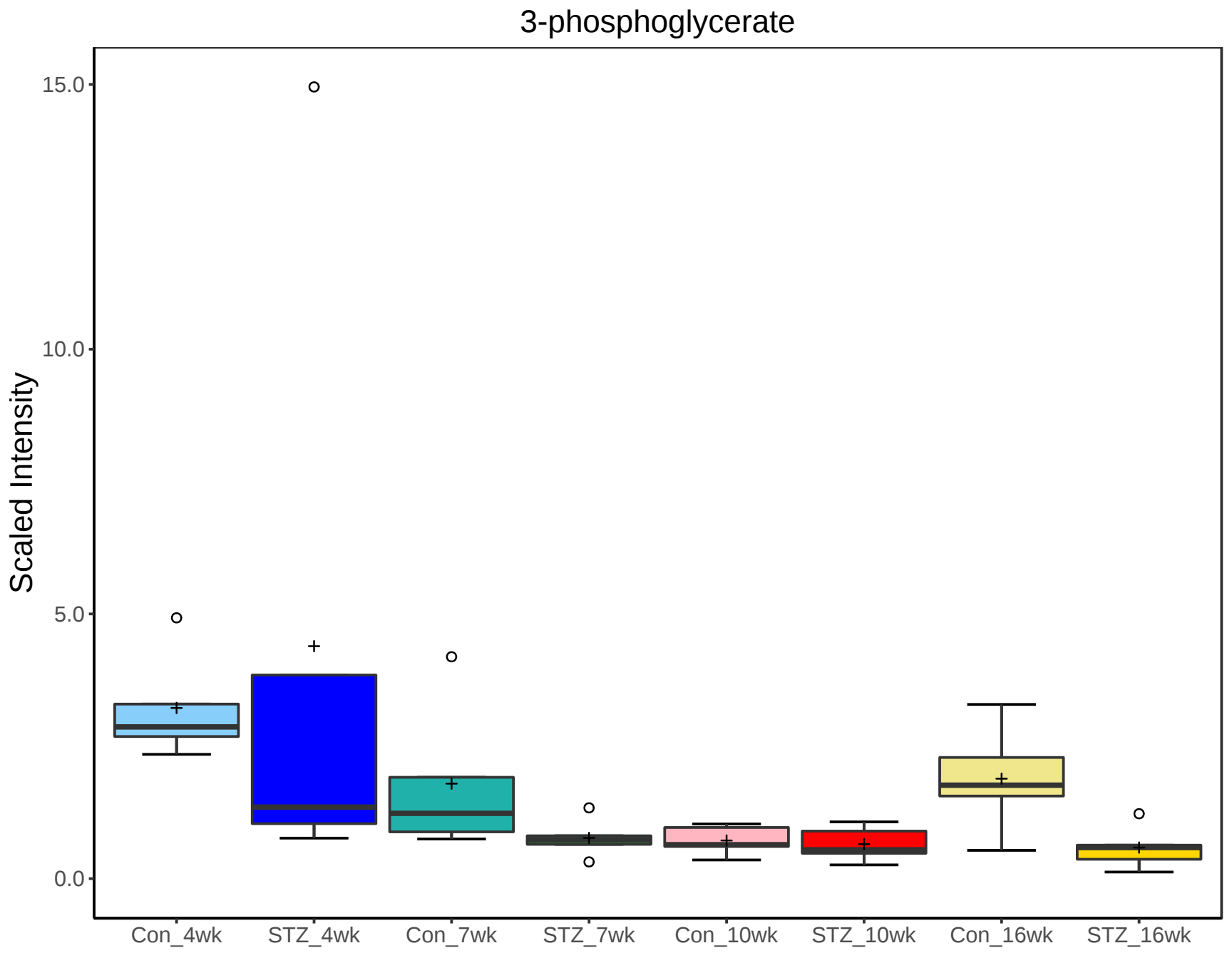

phenylacetyltaurine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

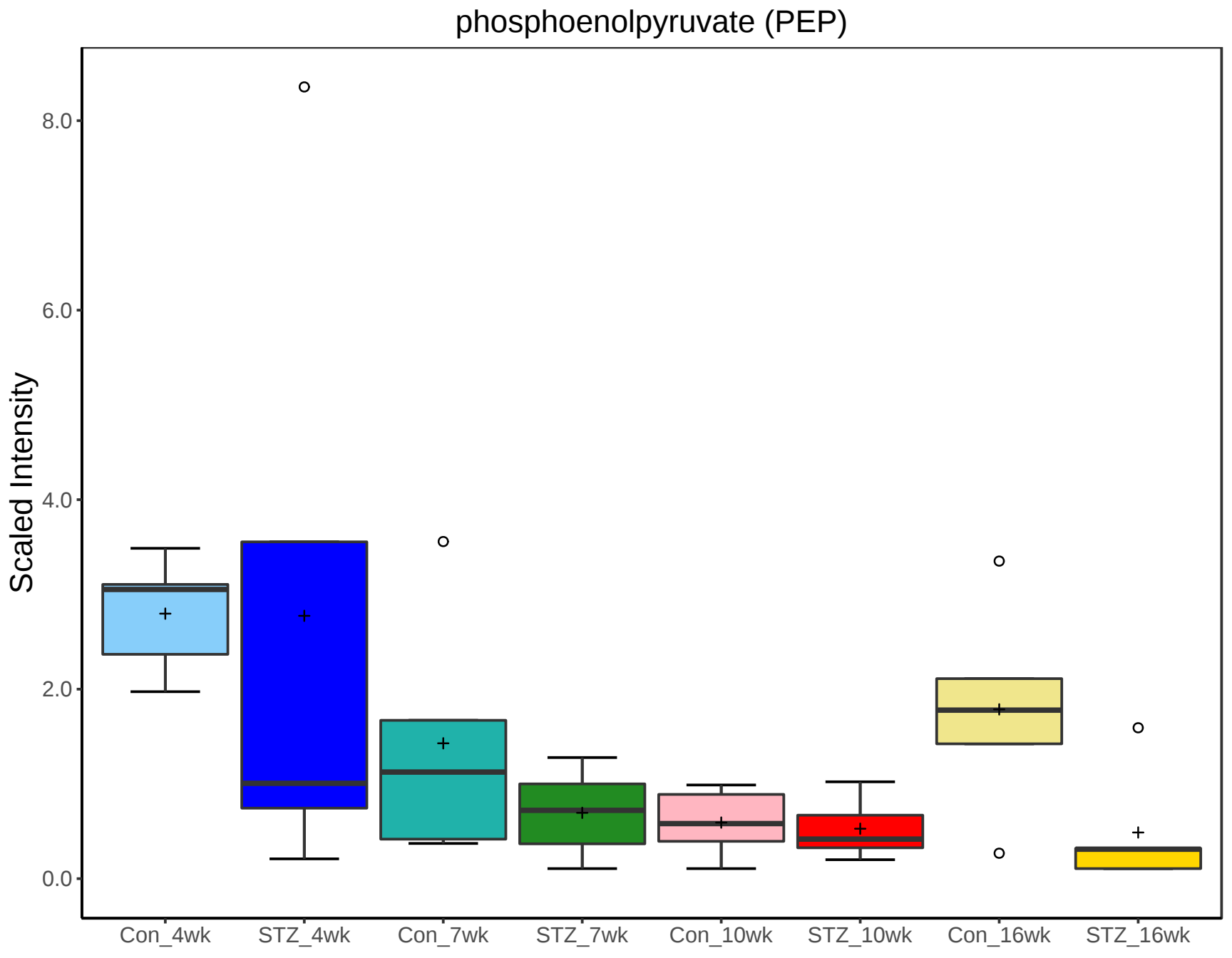

N,N-dimethyl-pro-pro
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

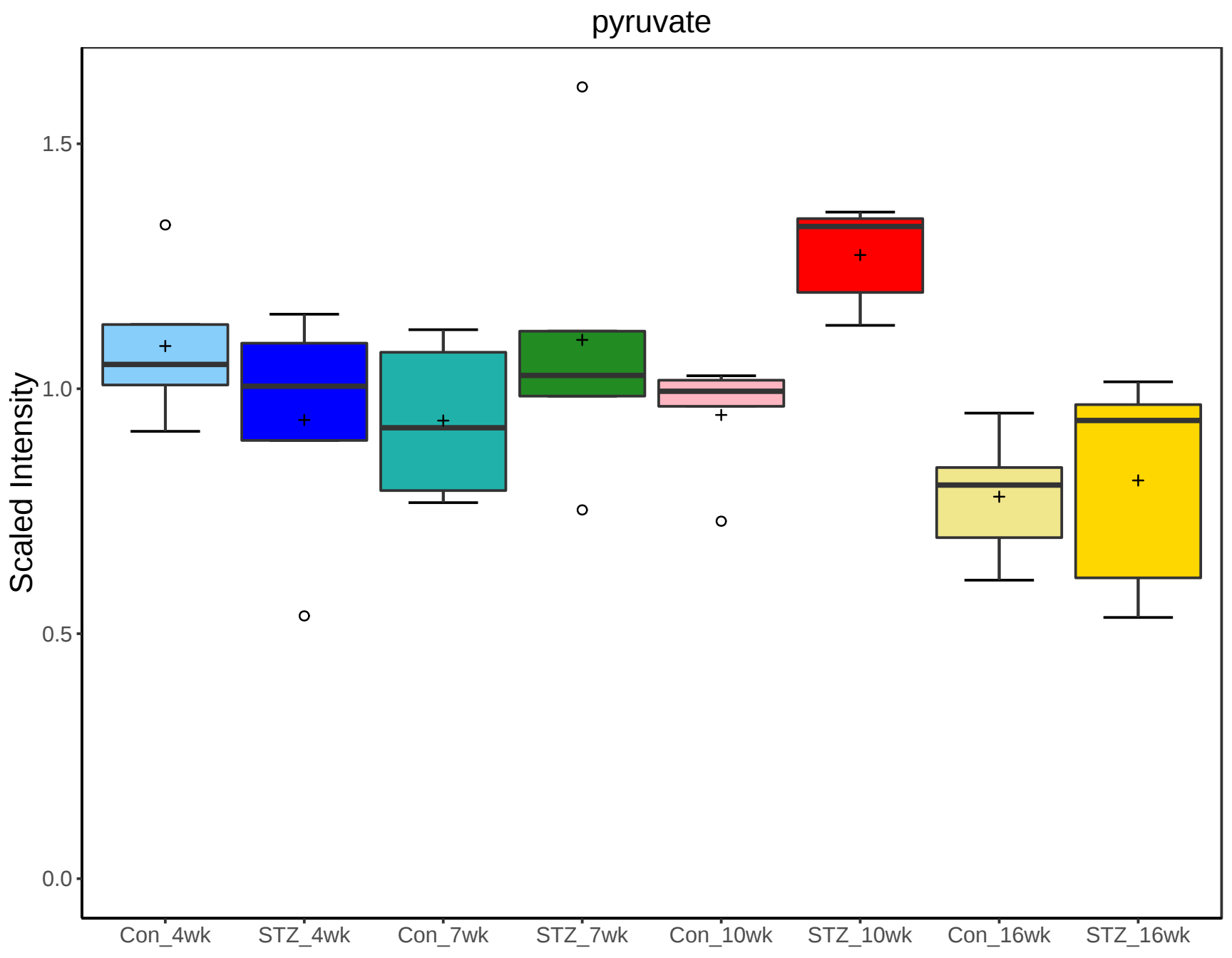

1,5-anhydroglucitol (1,5-AG)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

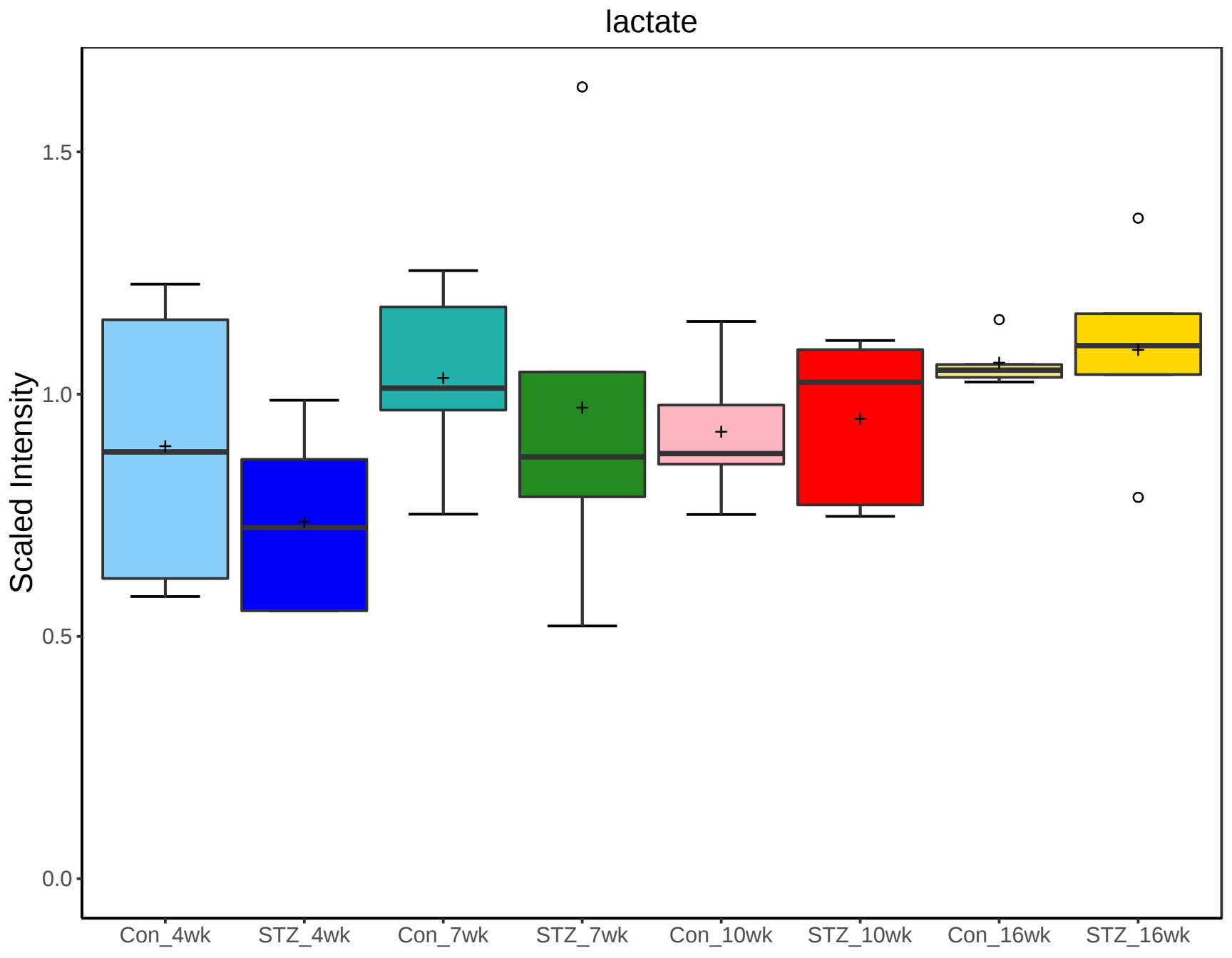

glucose
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

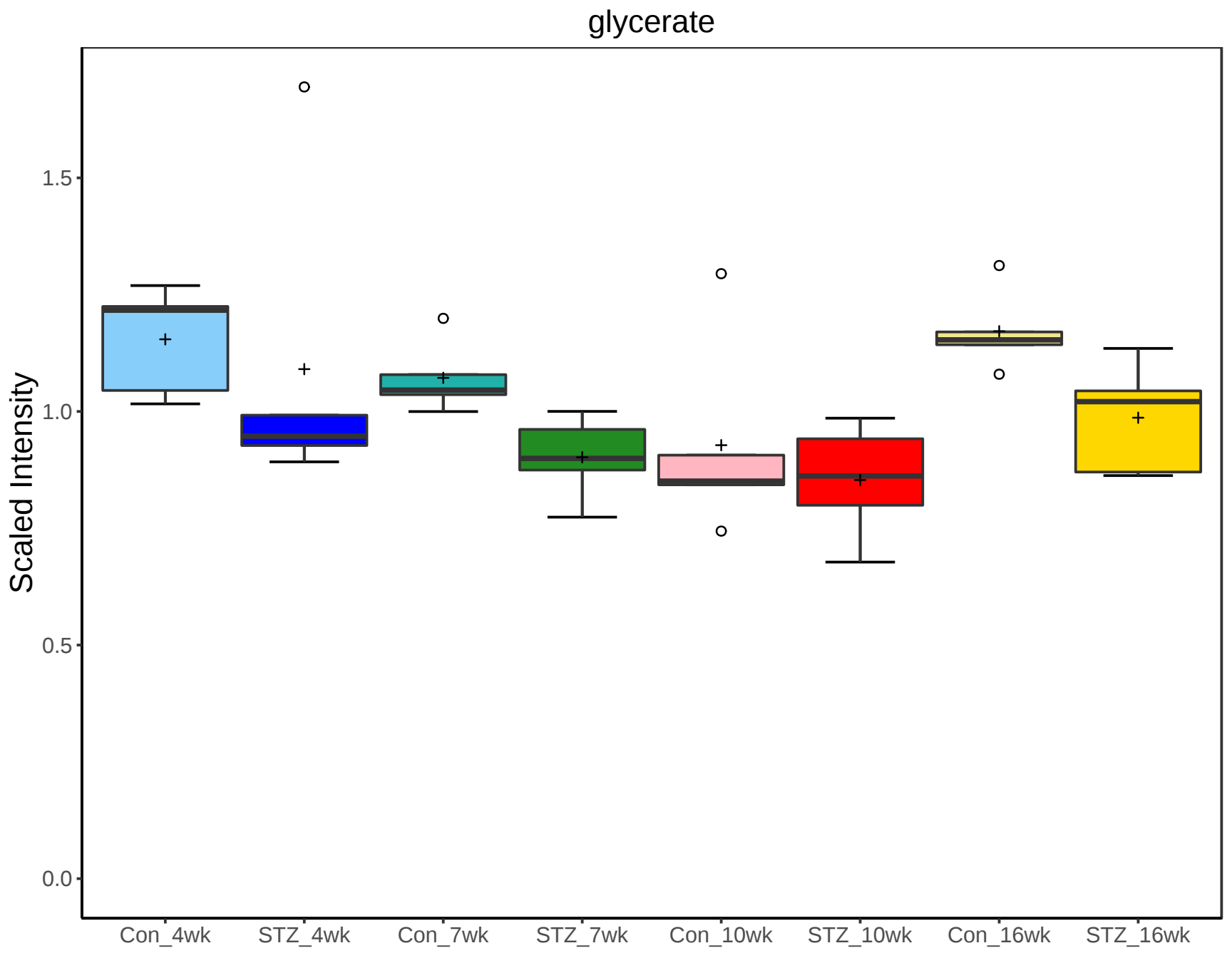

dihydroxyacetone phosphate (DHAP)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

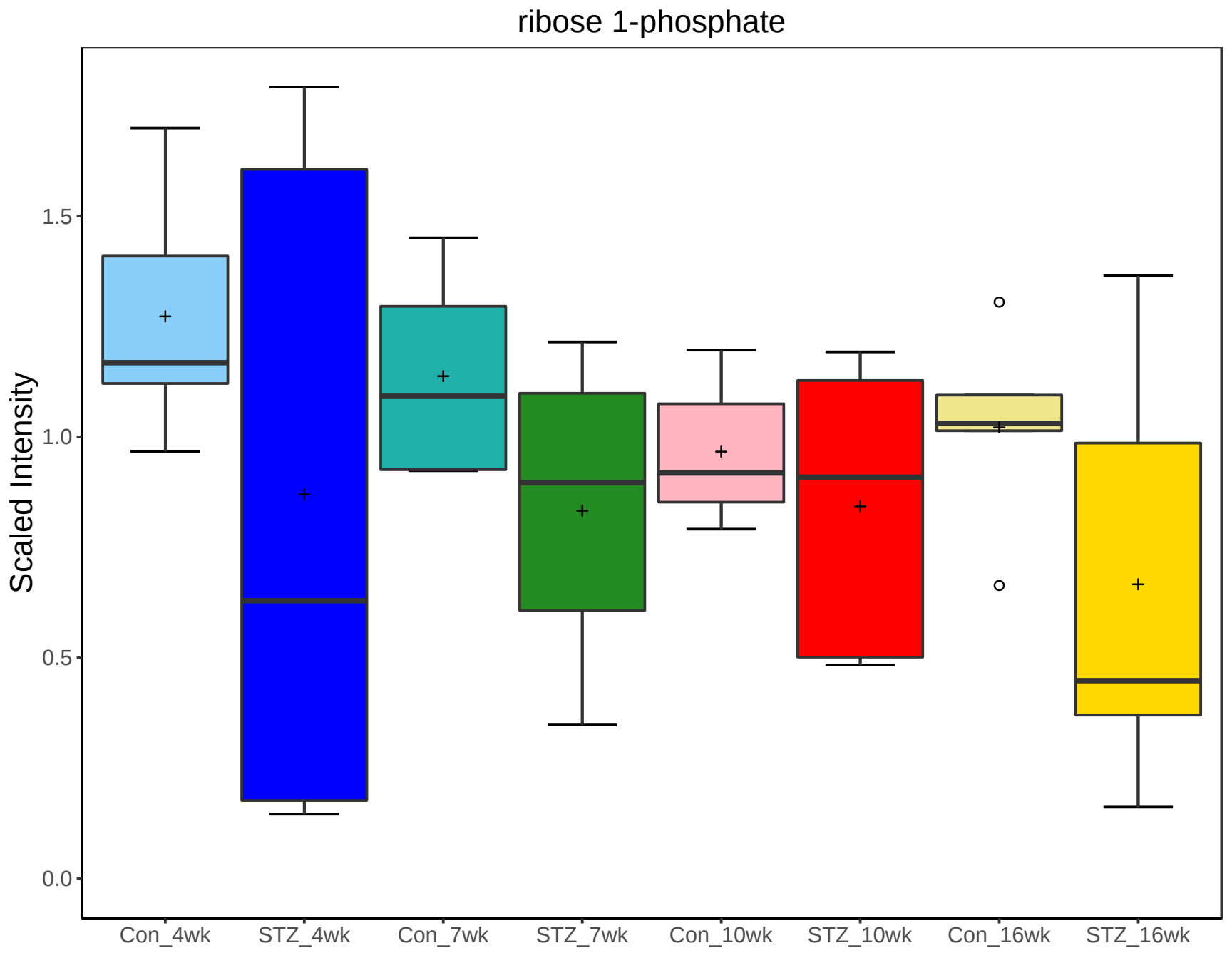

3-phosphoglycerate
Scaled Intensity
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

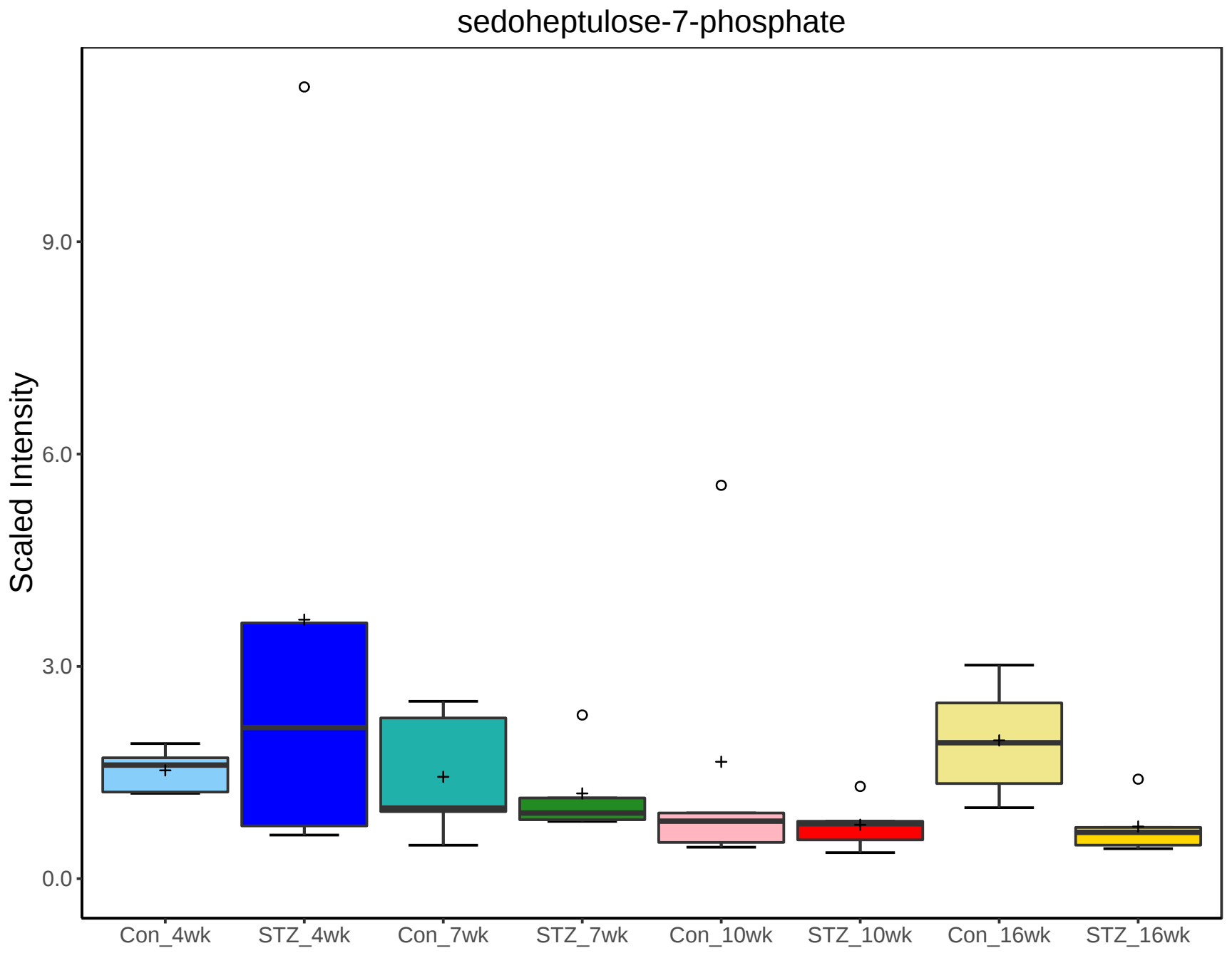

phosphoenolpyruvate (PEP)
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

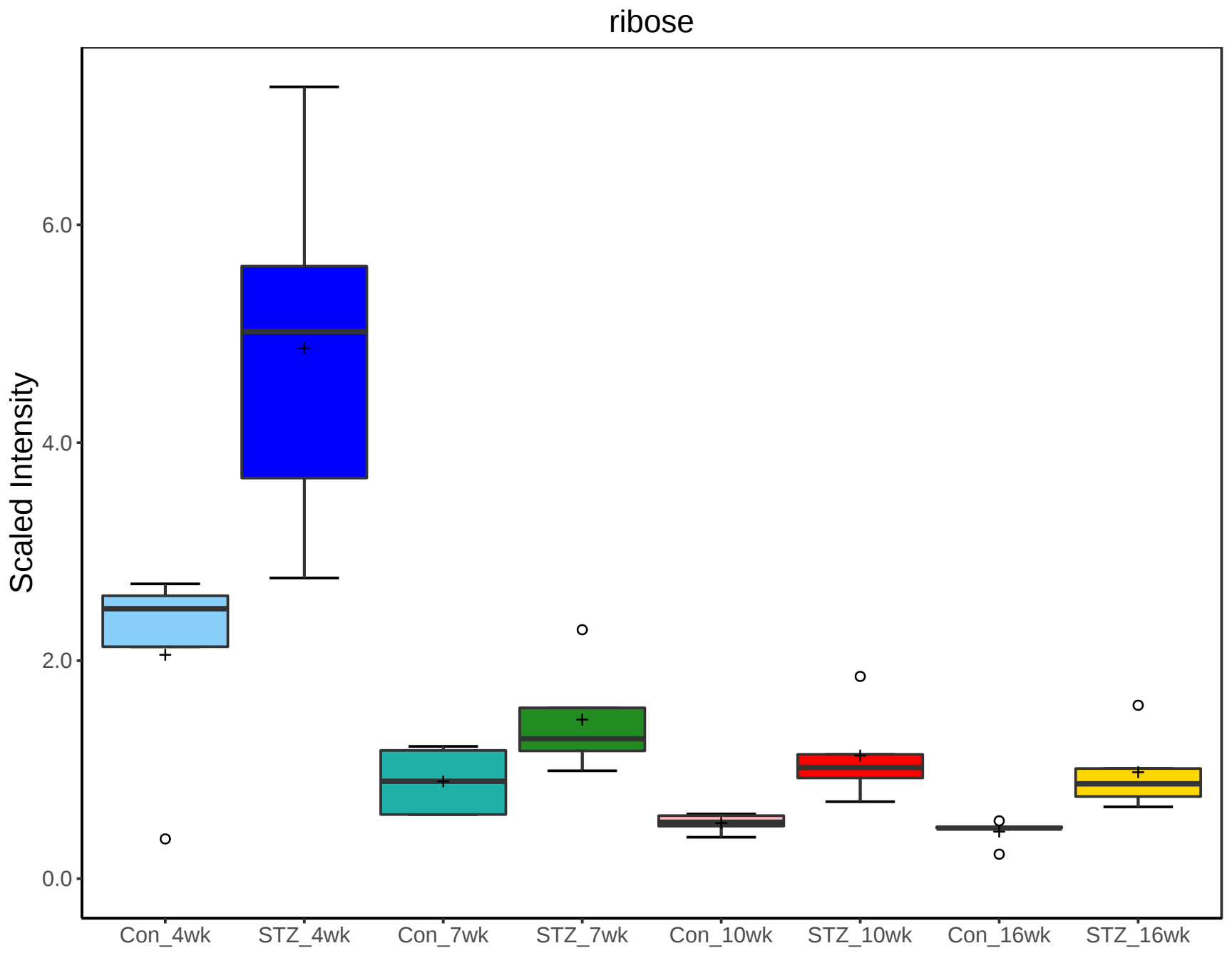

pyruvate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

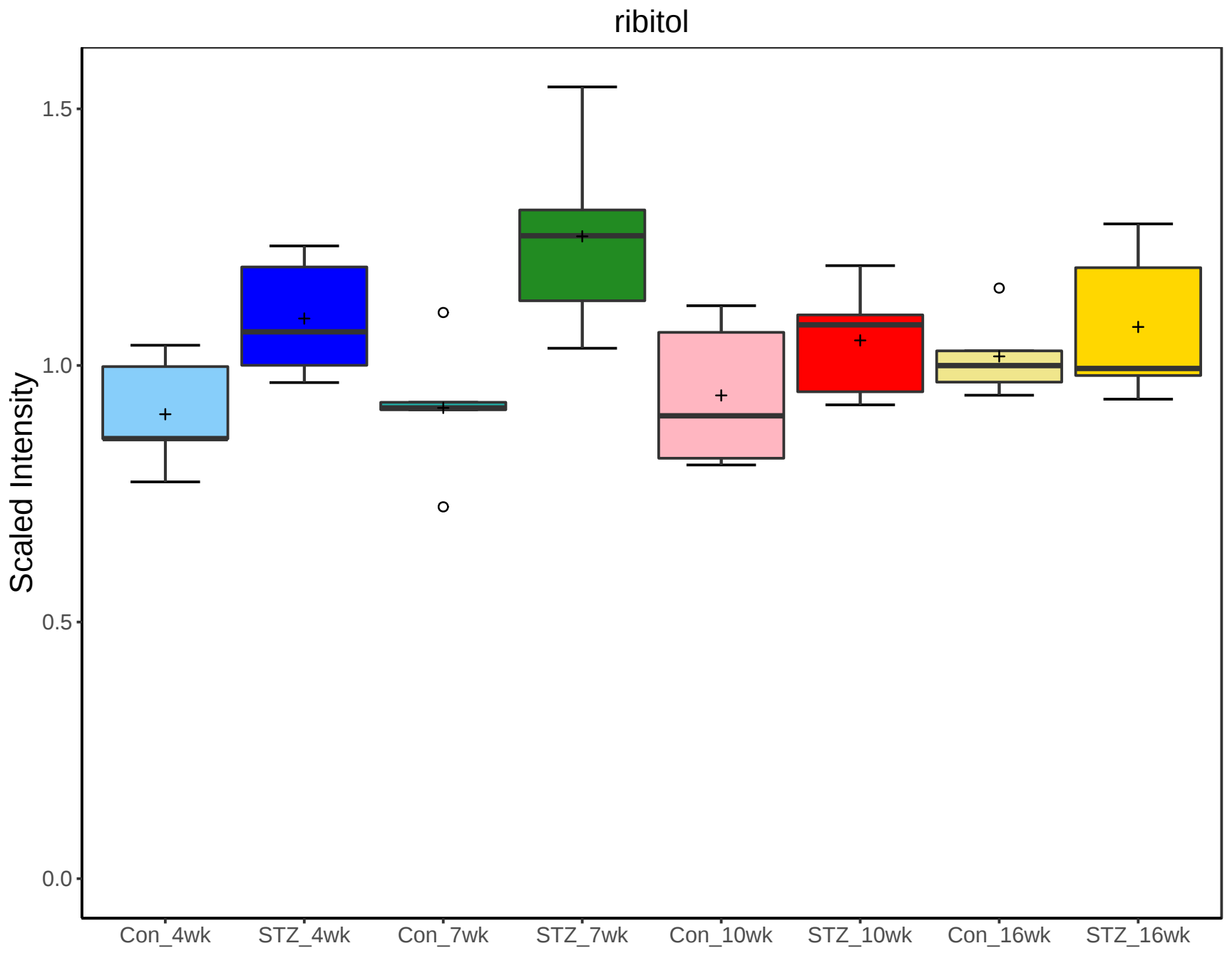

lactate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

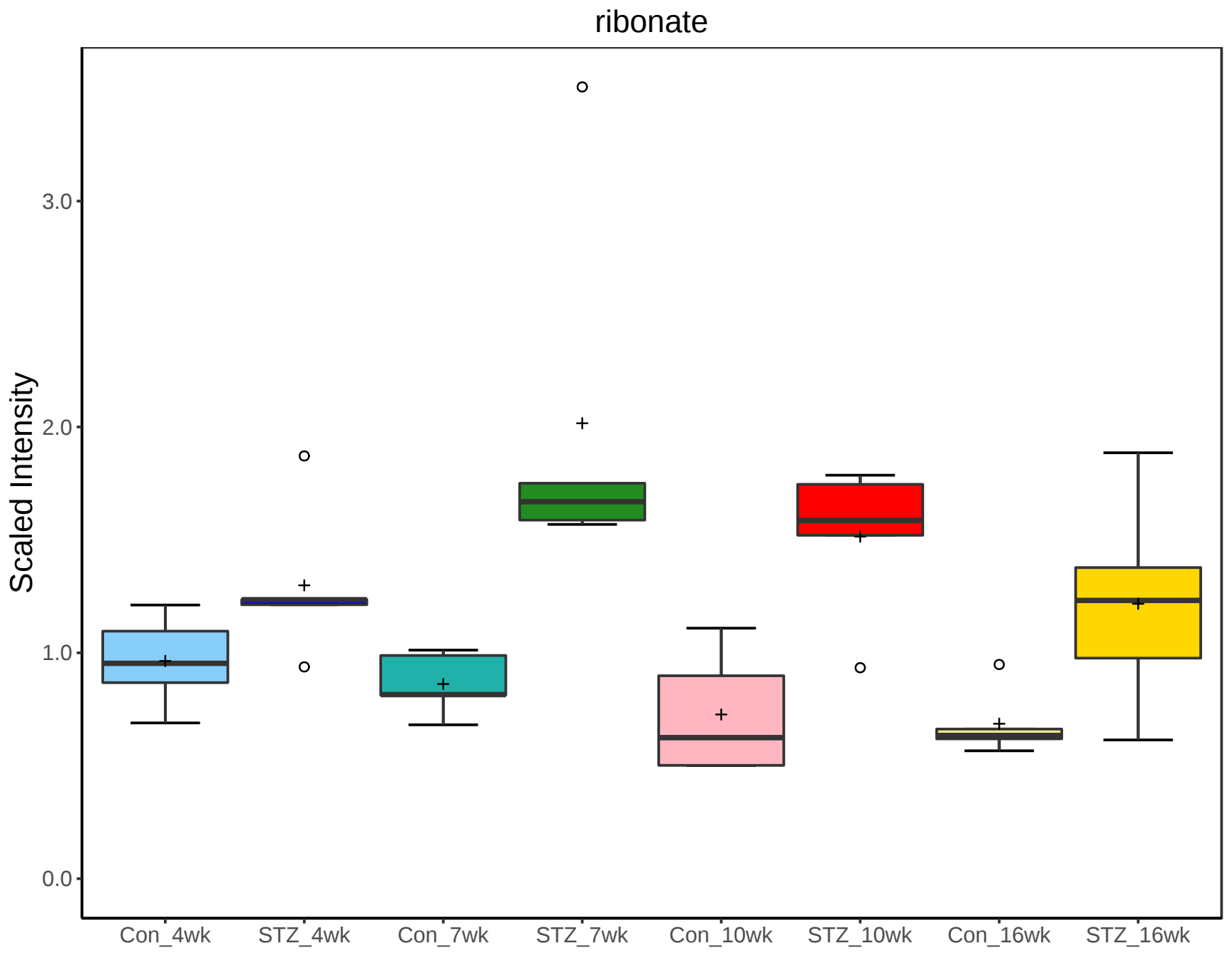

glycerate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

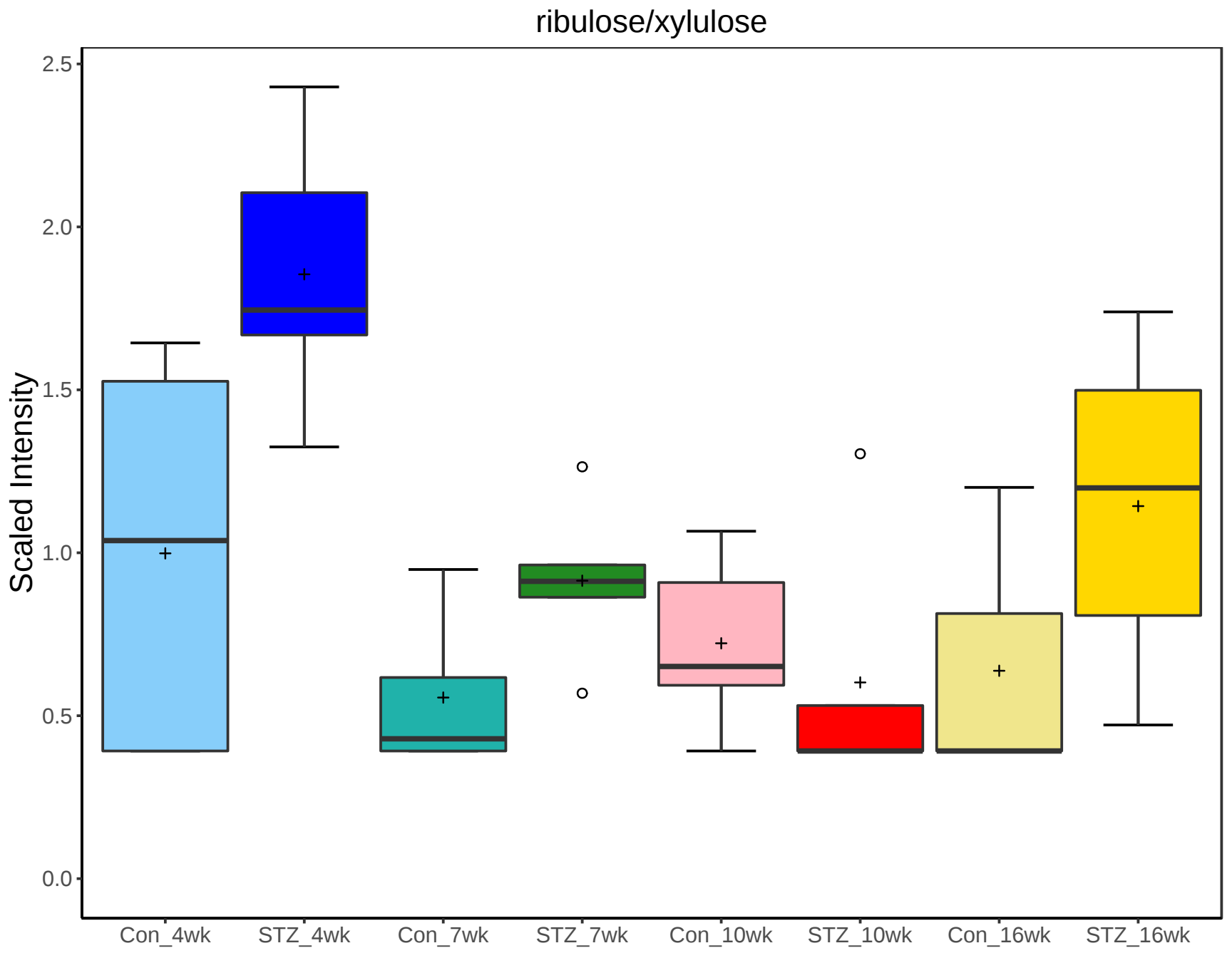

ribose 1-phosphate
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

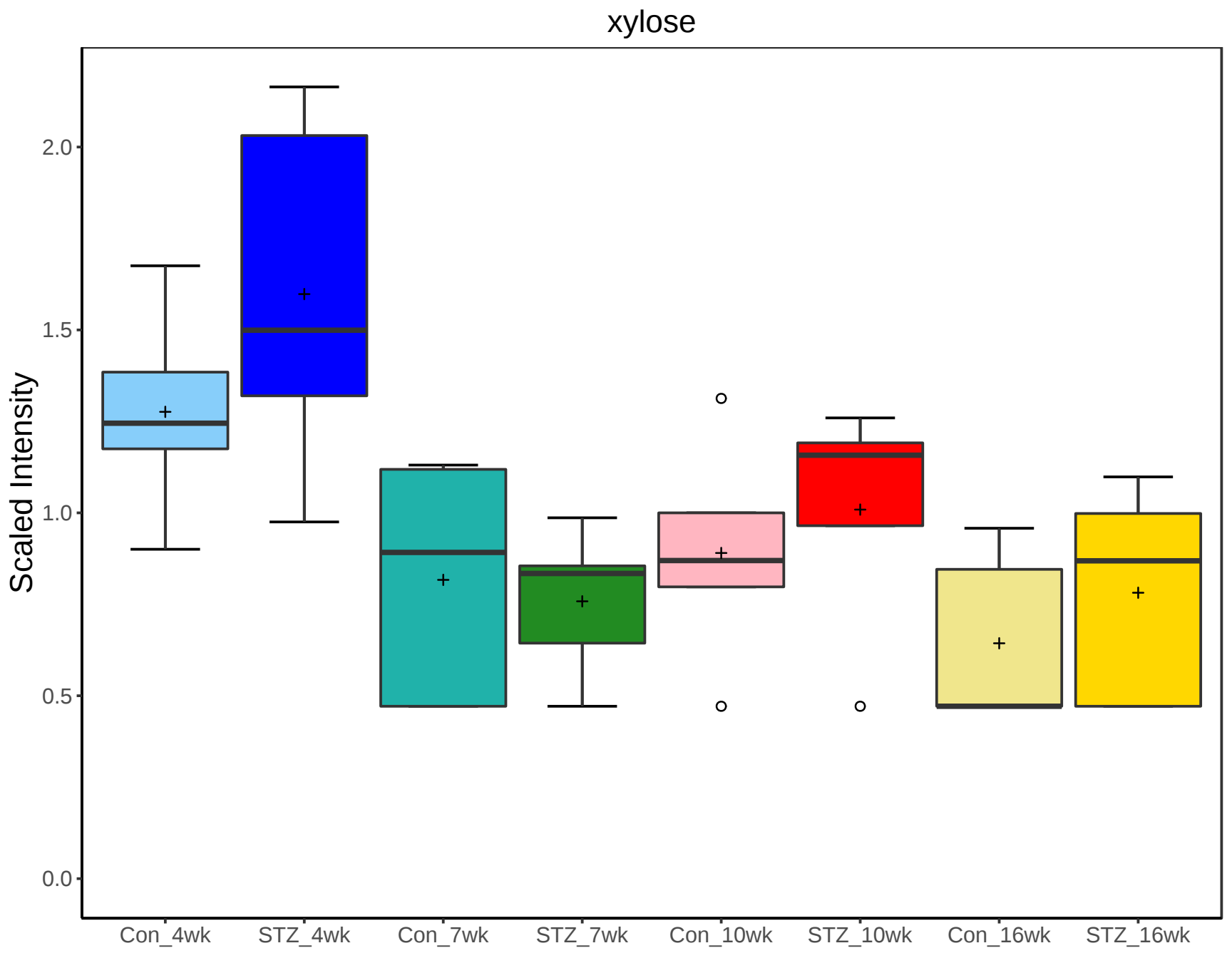

sedoheptulose-7-phosphate
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

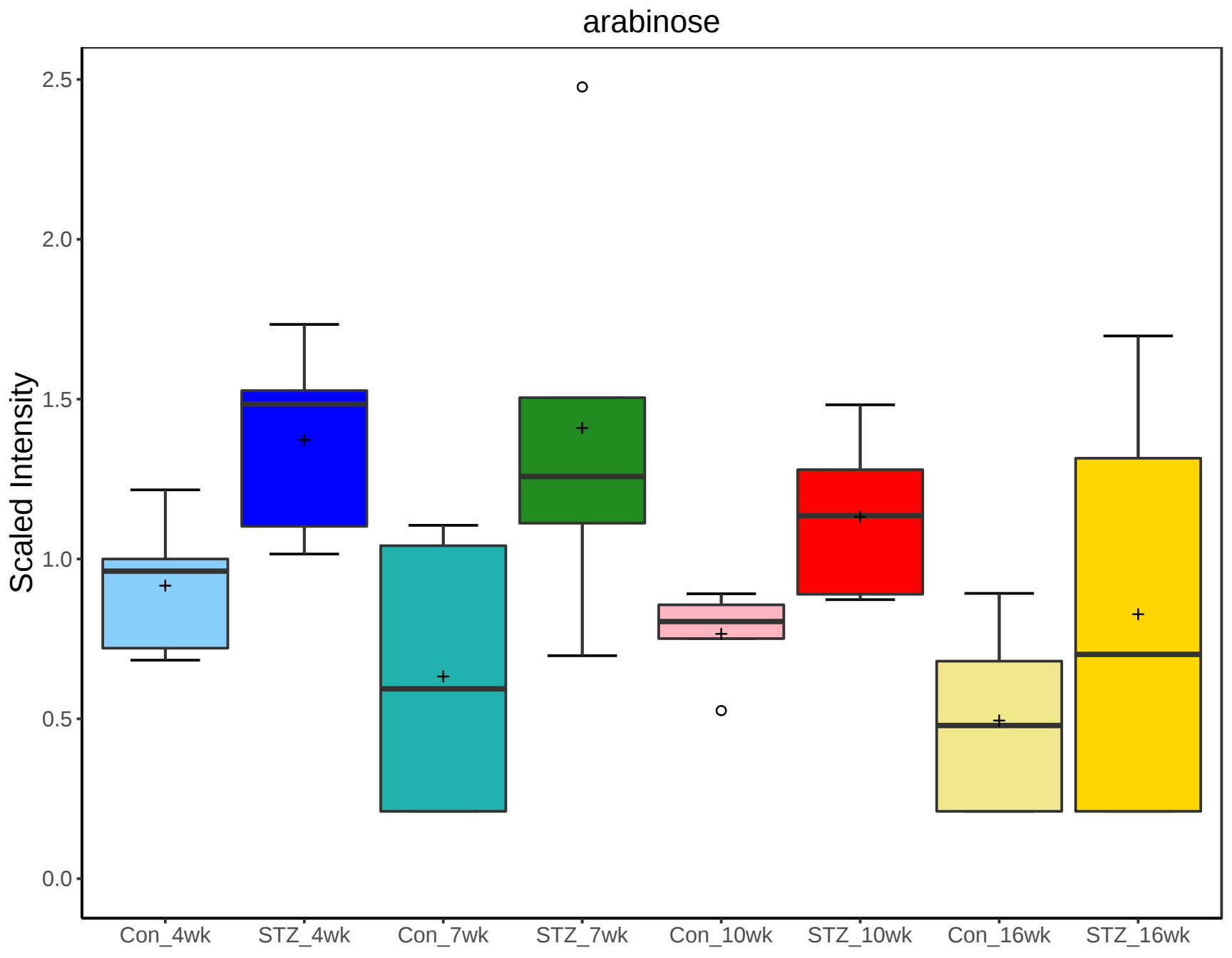

ribose
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

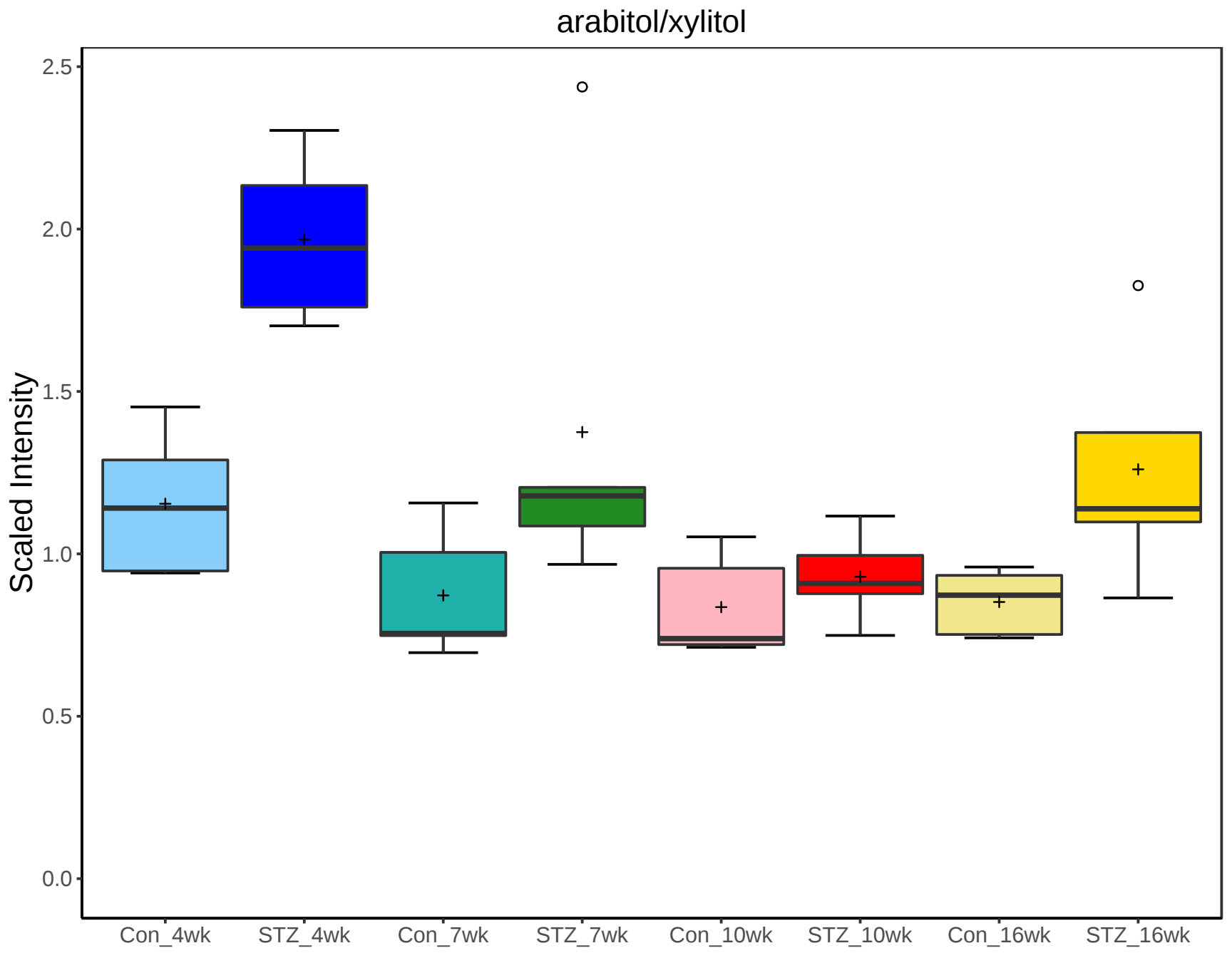

ribitol
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

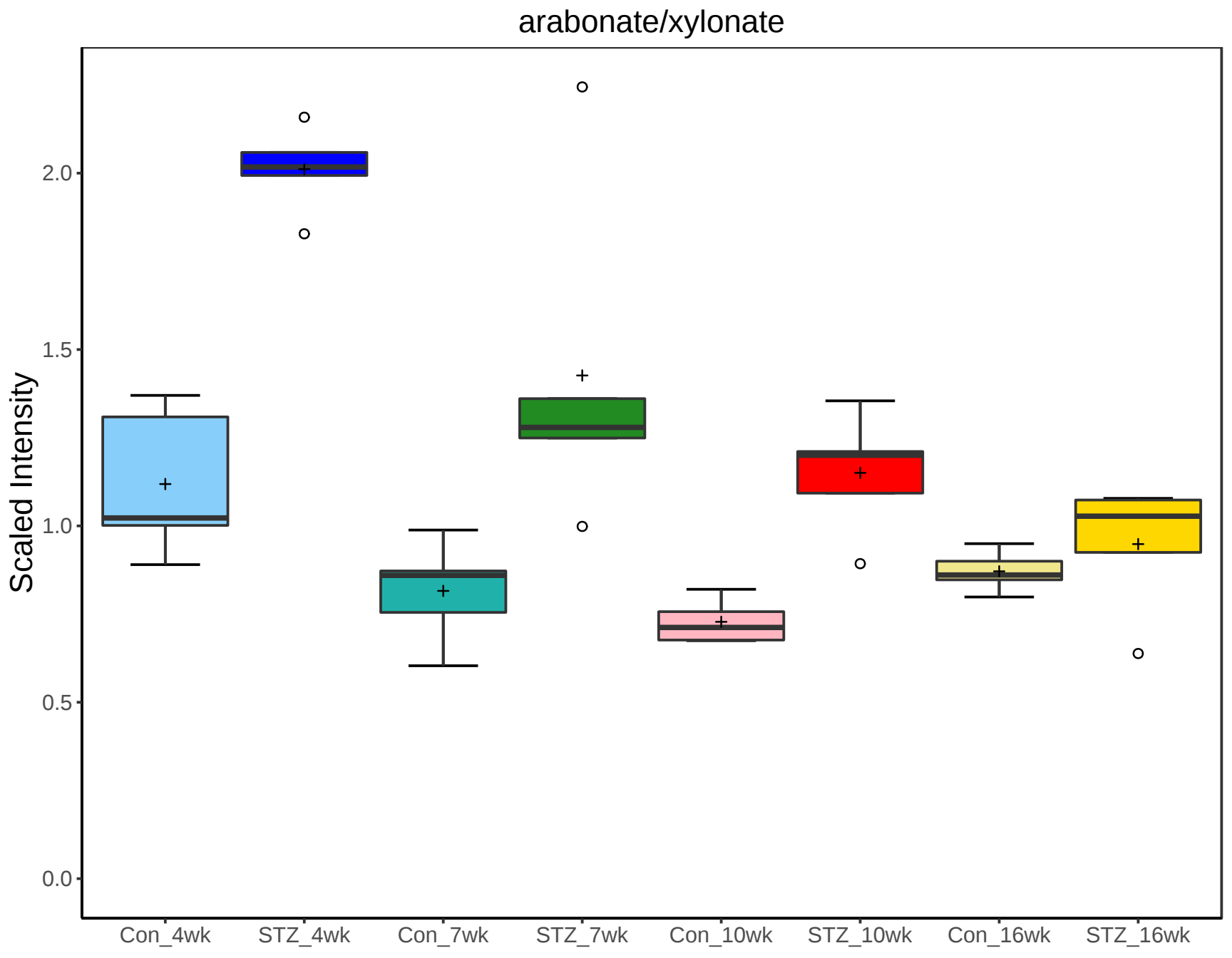

ribonate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

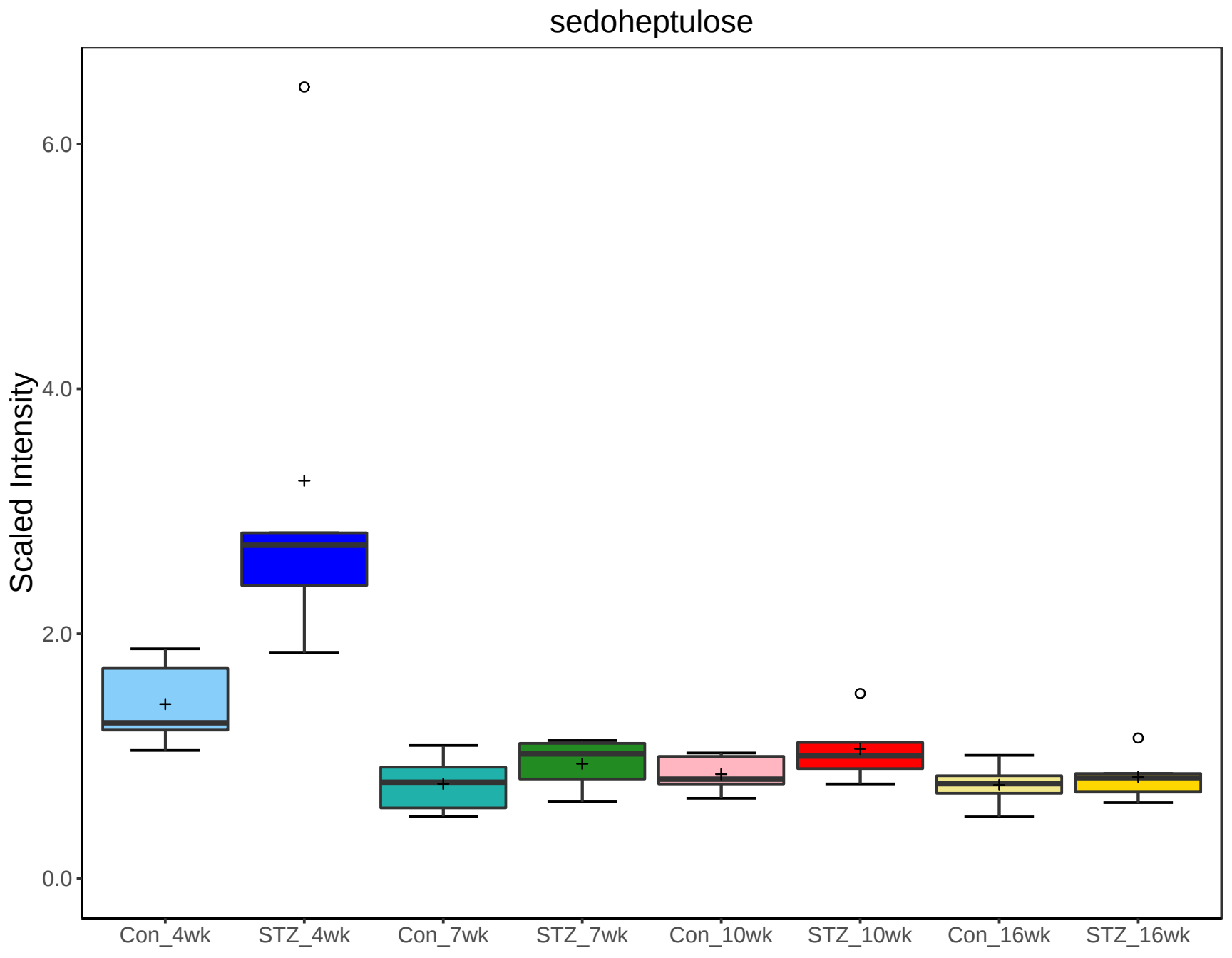

ribulose/xylulose
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

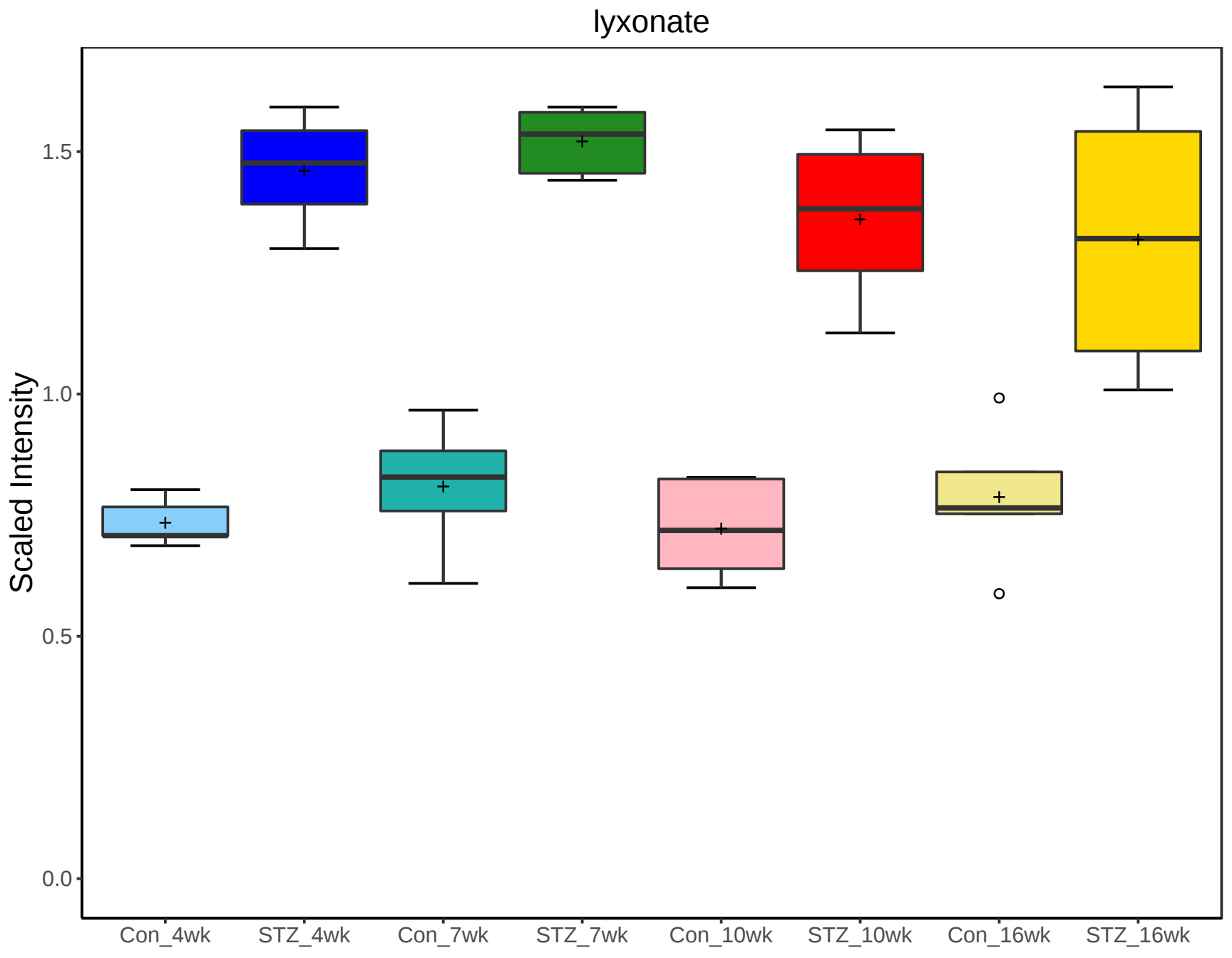

xylose
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

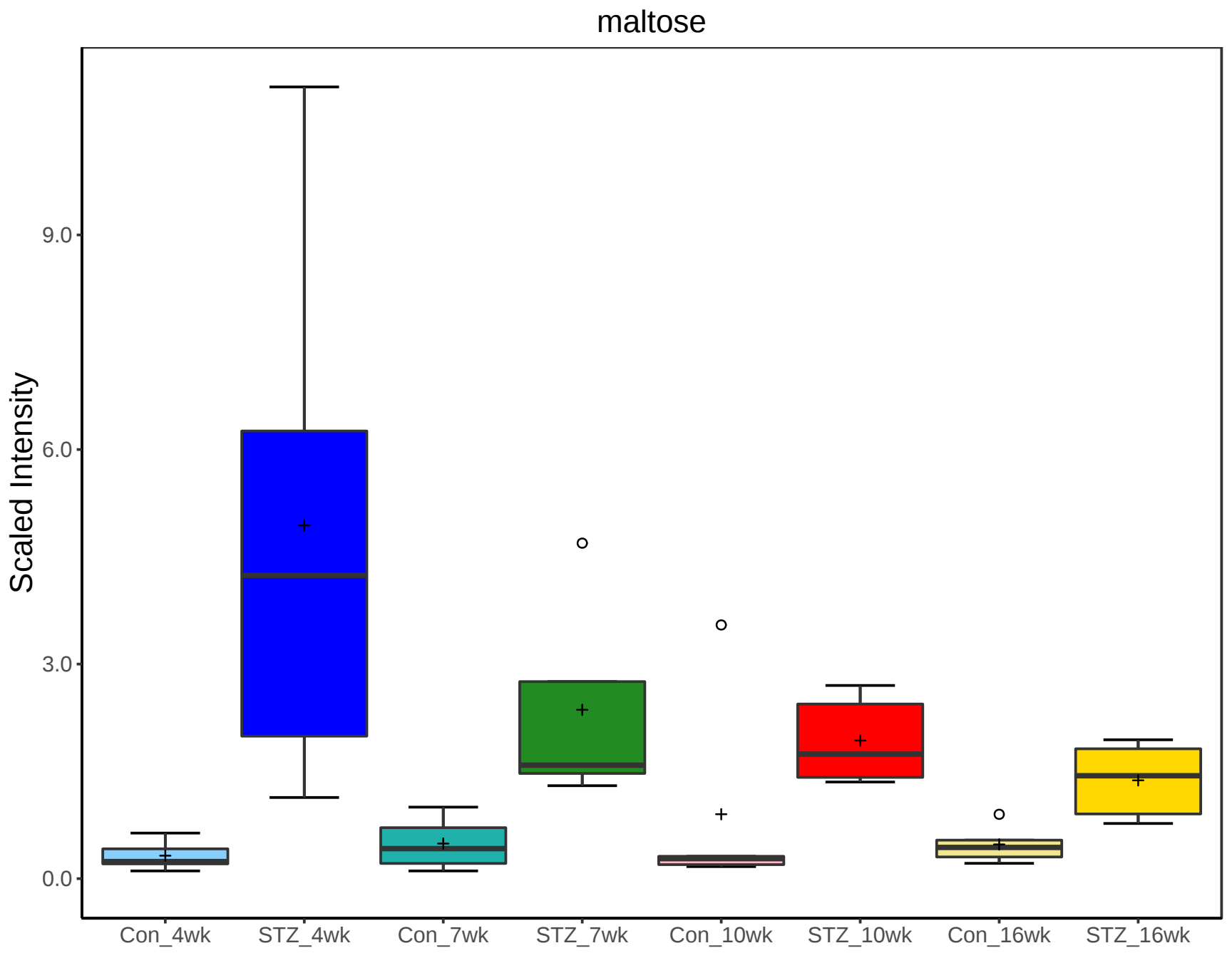

arabinose
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

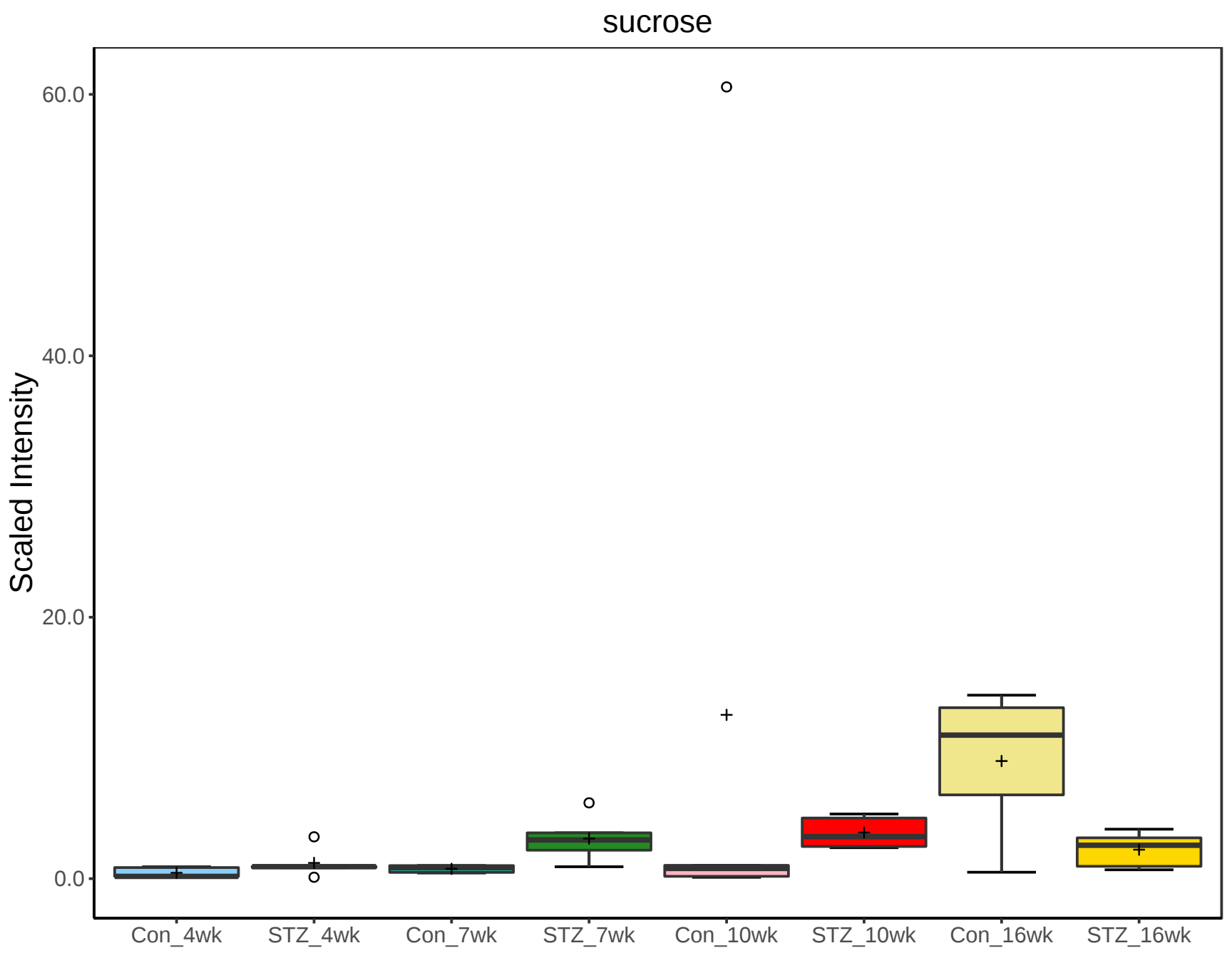

arabitol/xylitol
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

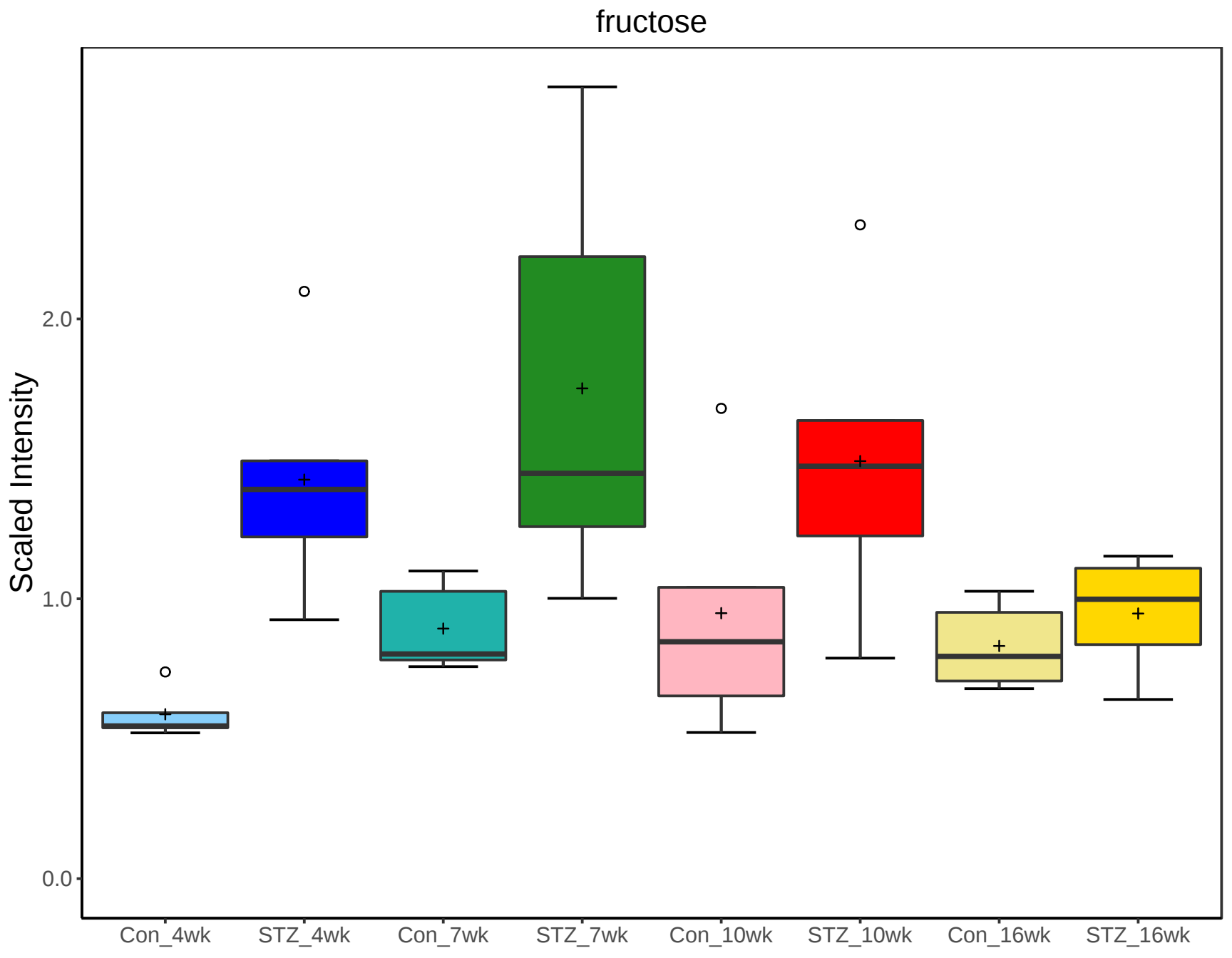

arabonate/xylonate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

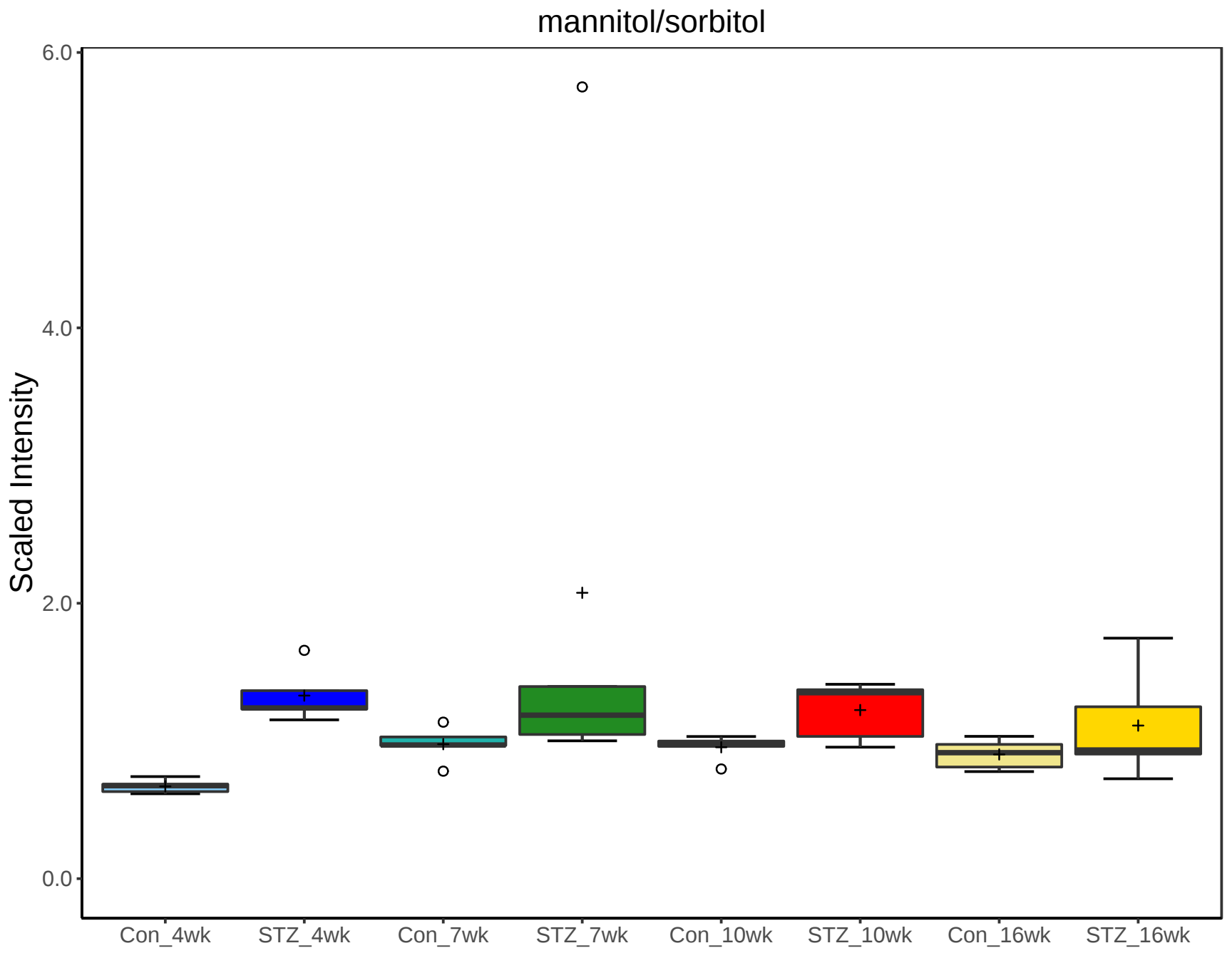

sedoheptulose
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

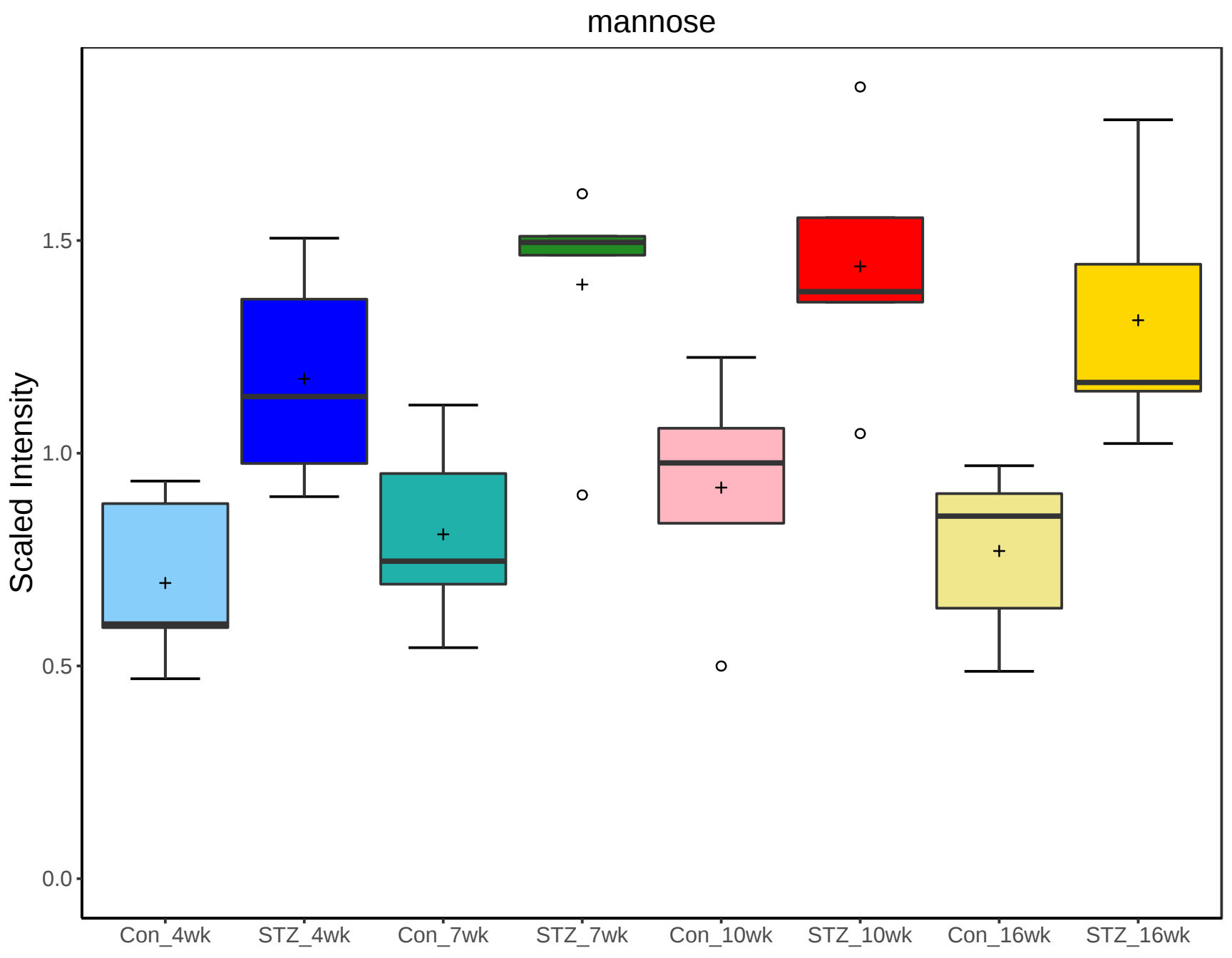

lyxonate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

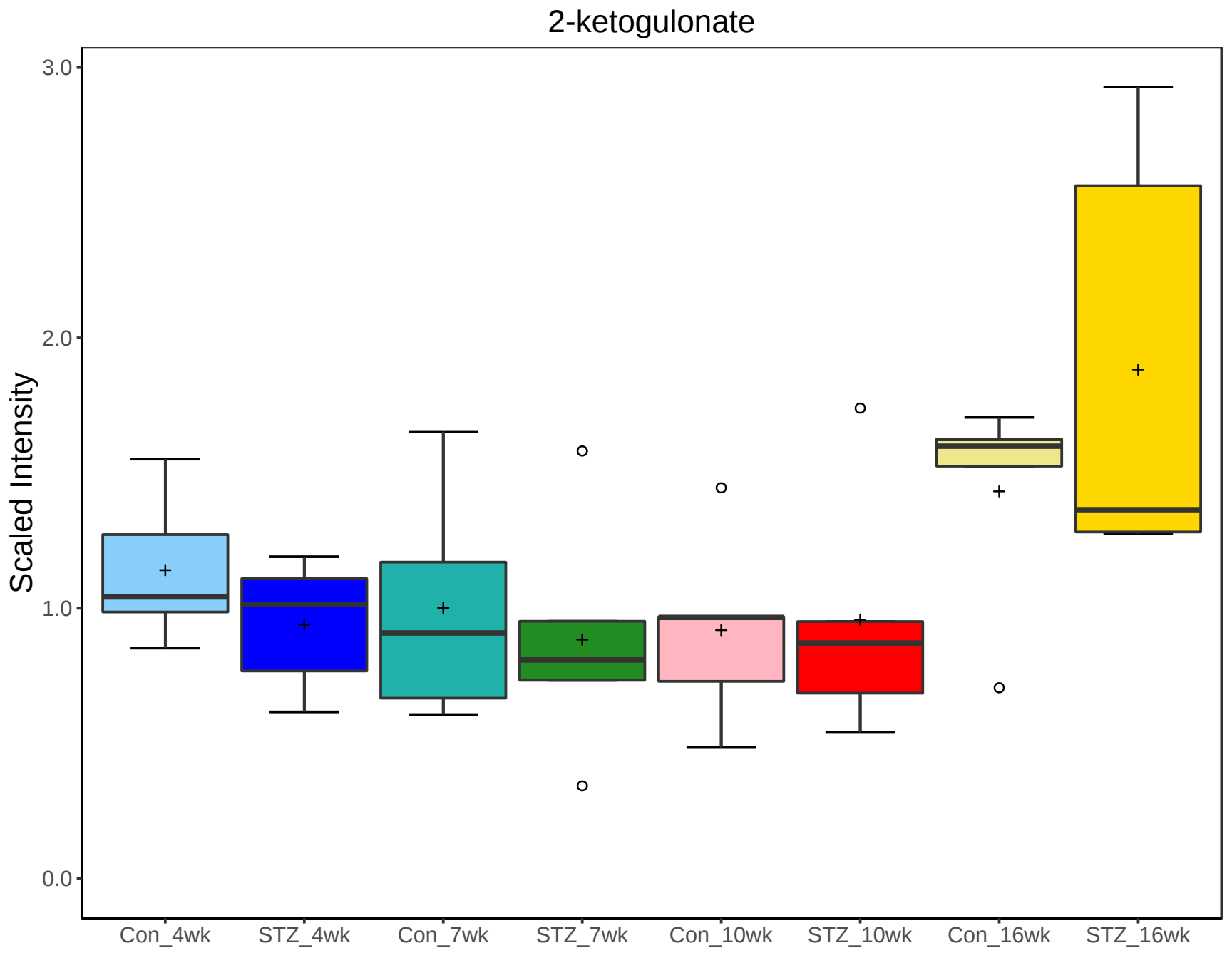

maltose
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

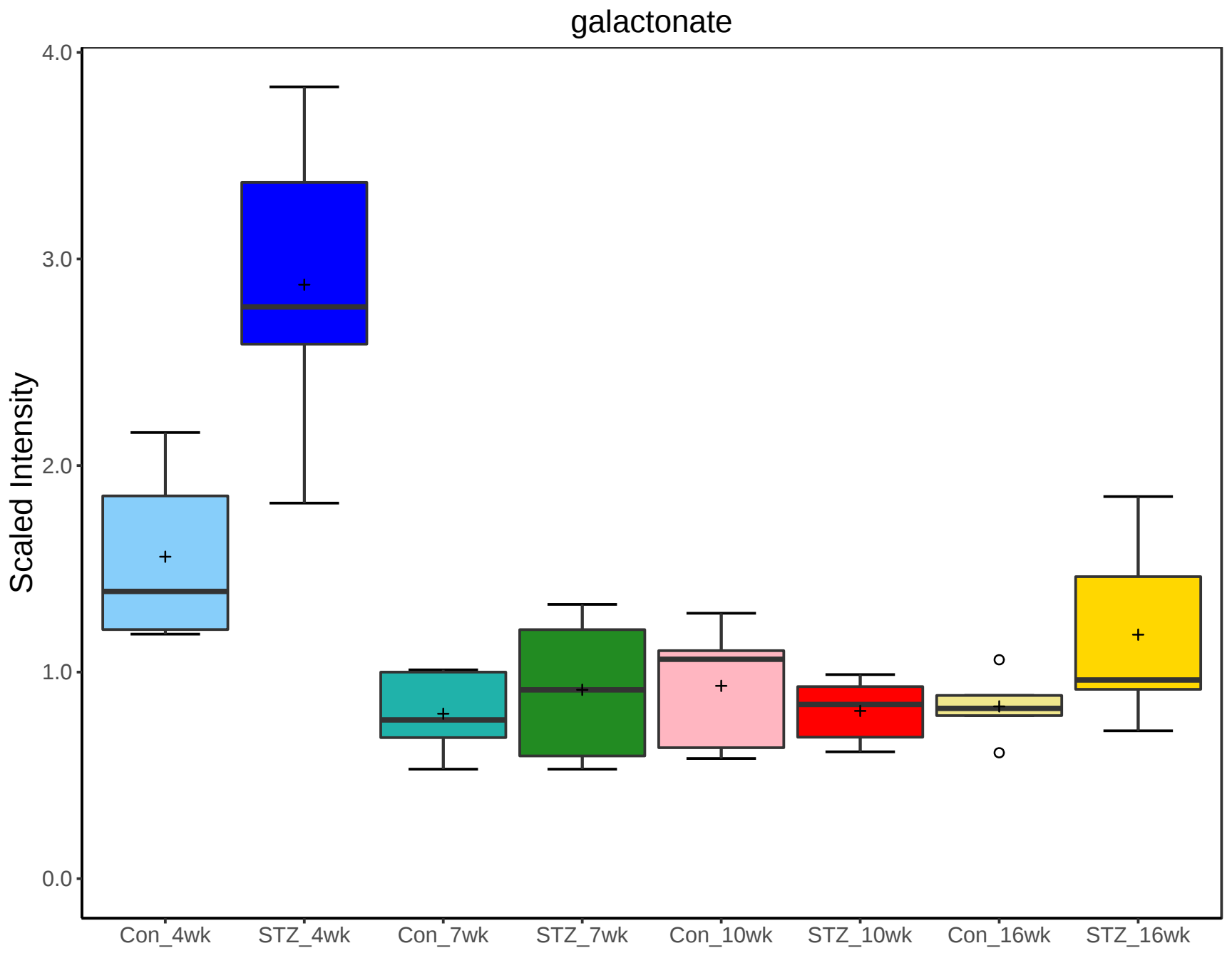

sucrose
Scaled Intensity
60.0
40.0
20.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

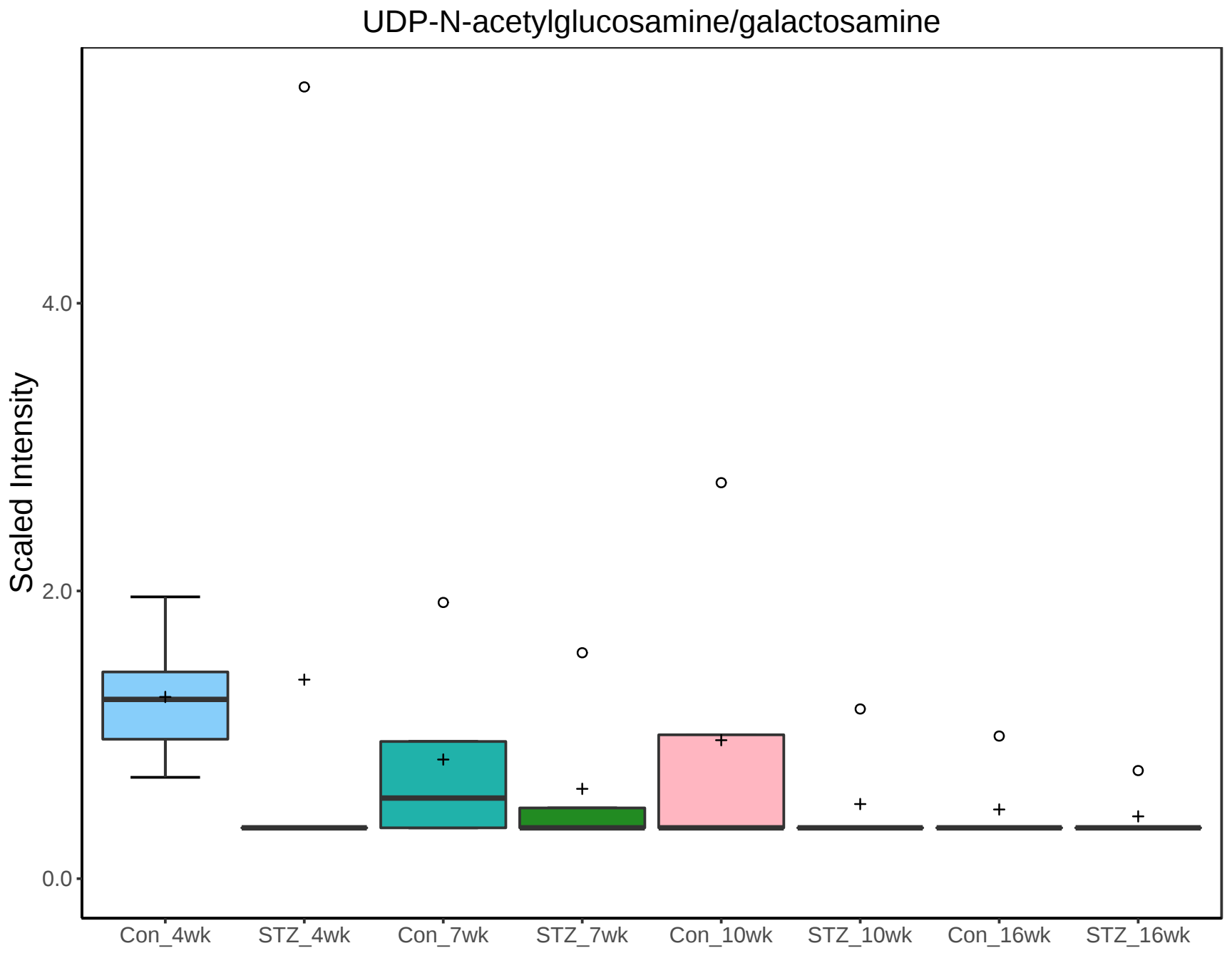

fructose
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

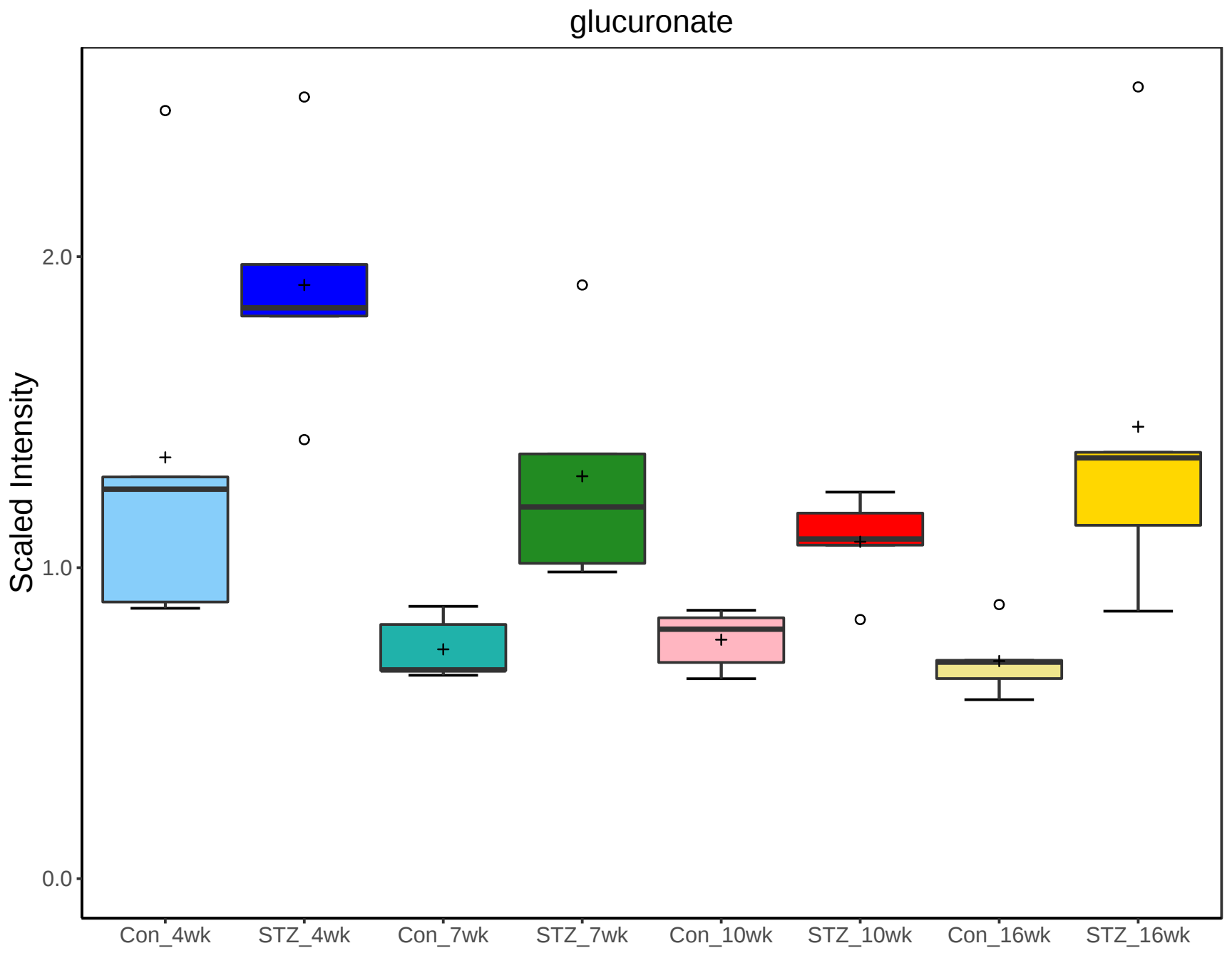

mannitol/sorbitol
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

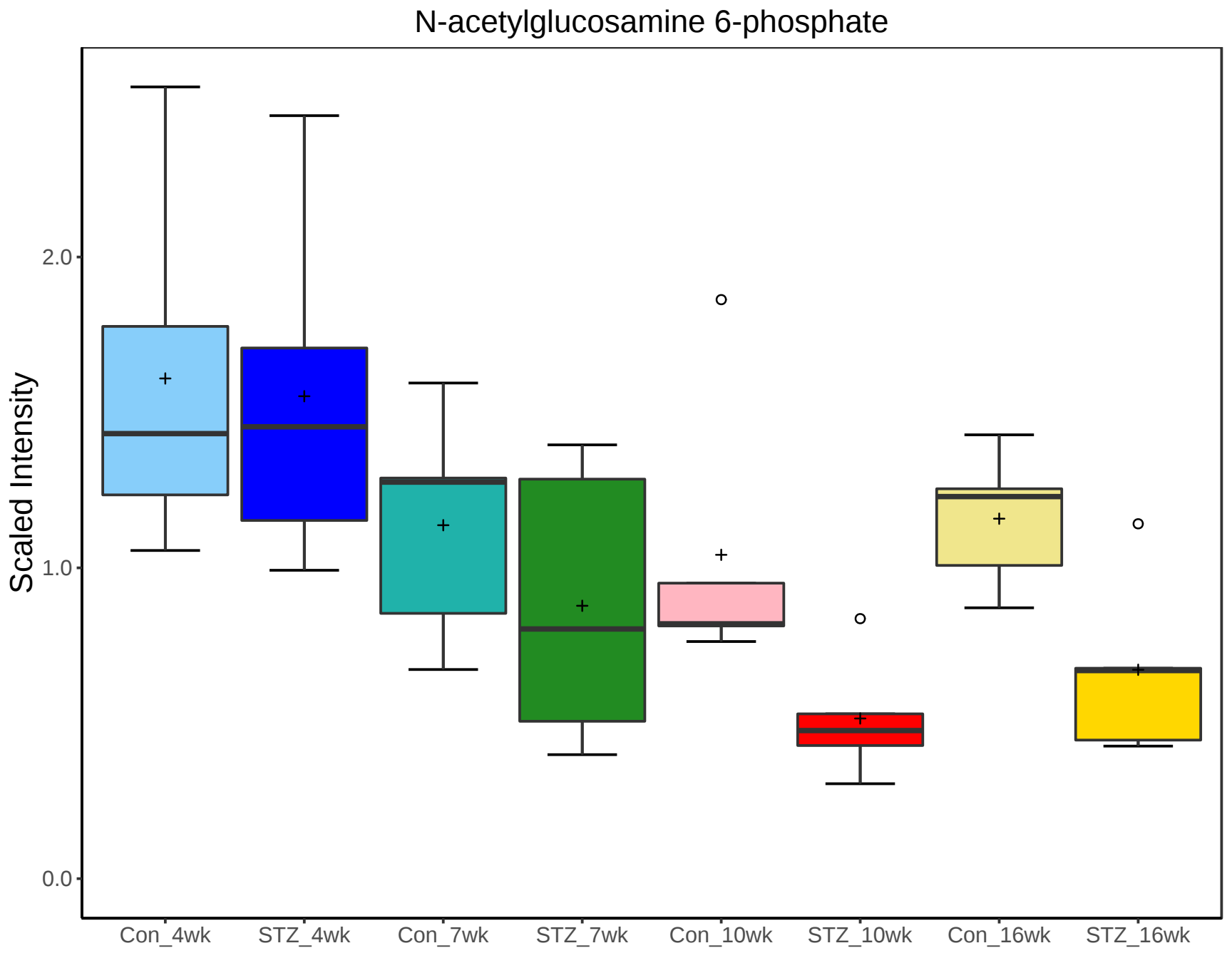

mannose
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

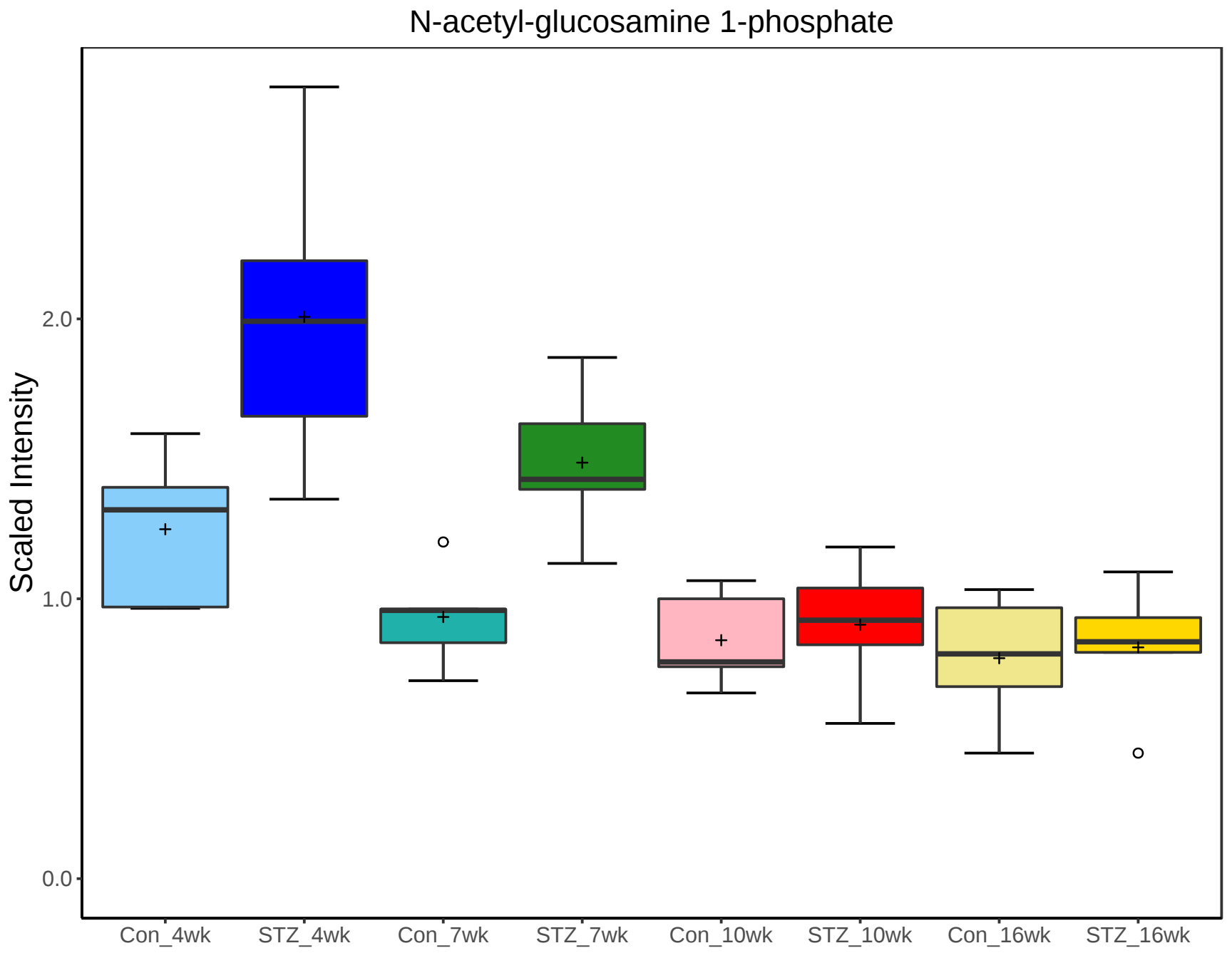

2-ketogulonate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

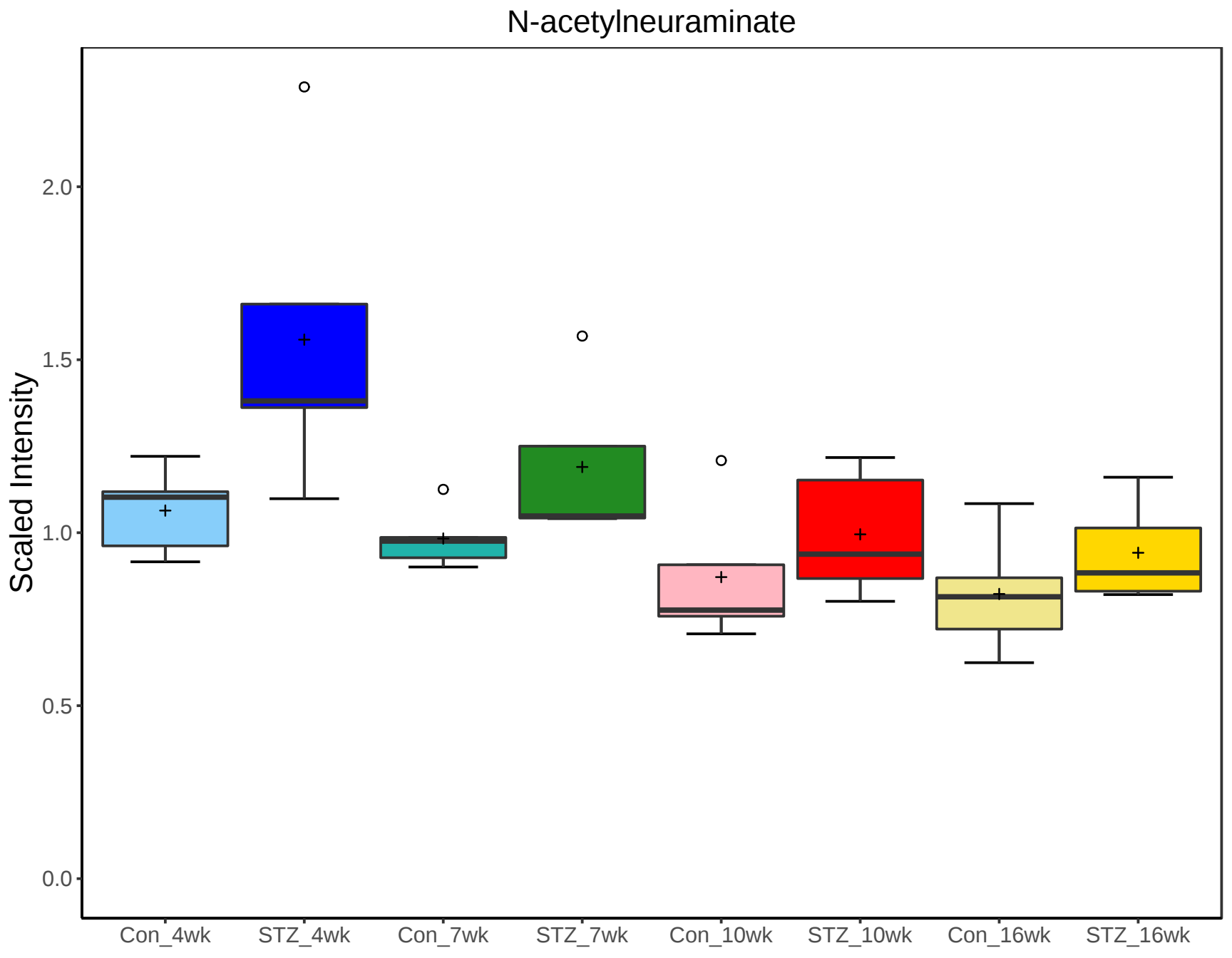

galactonate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

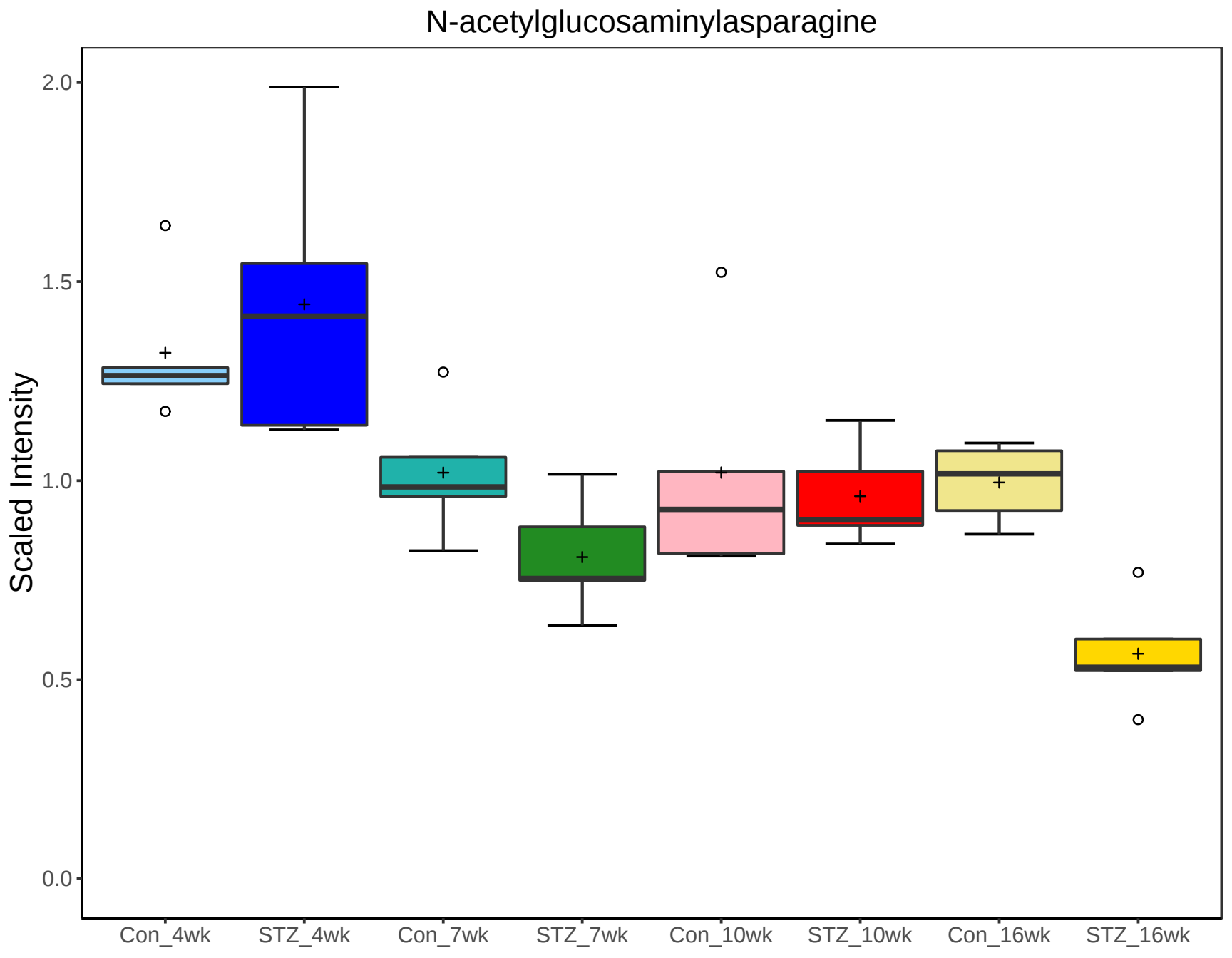

UDP-N-acetylglucosamine/galactosamine
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

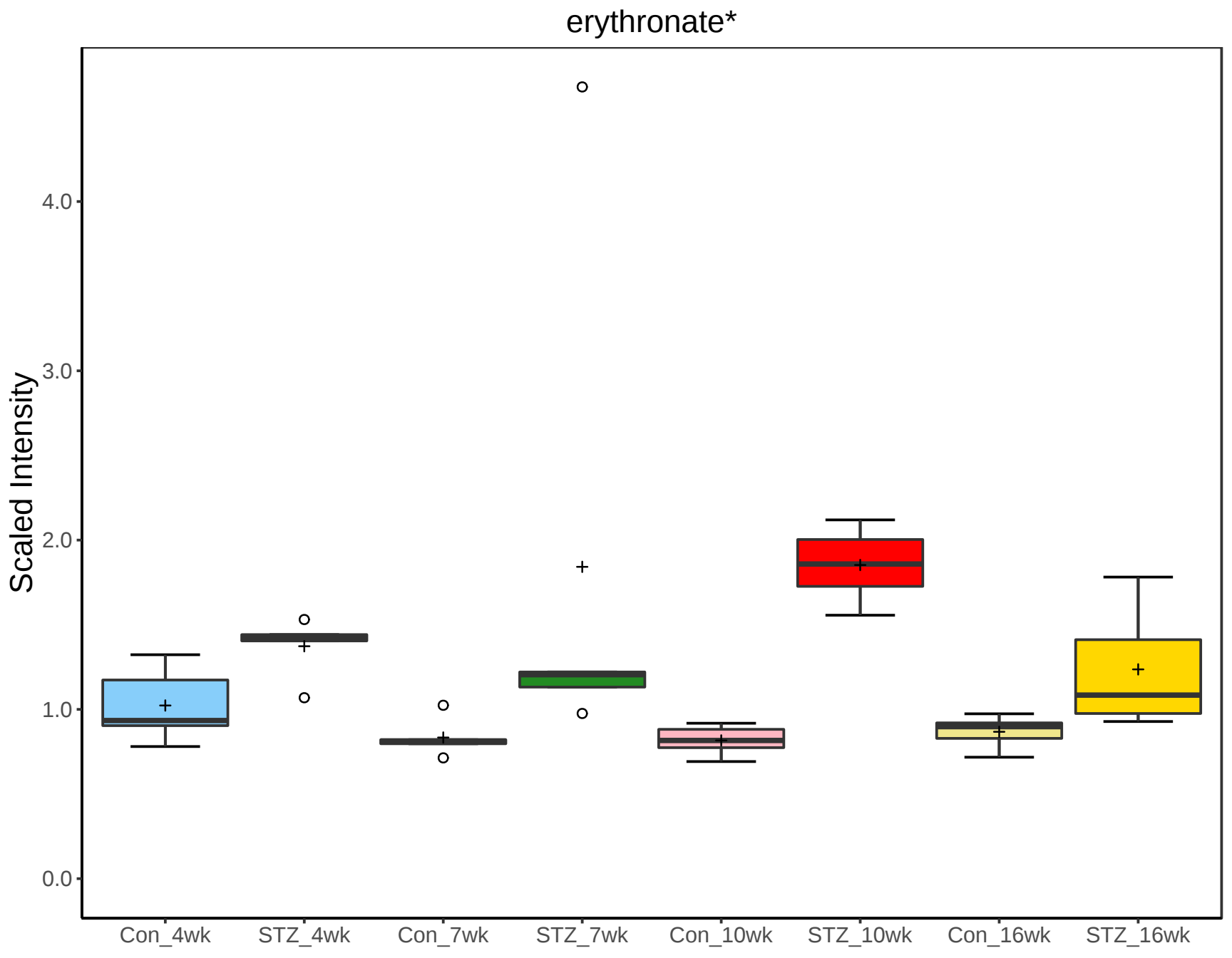

glucuronate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

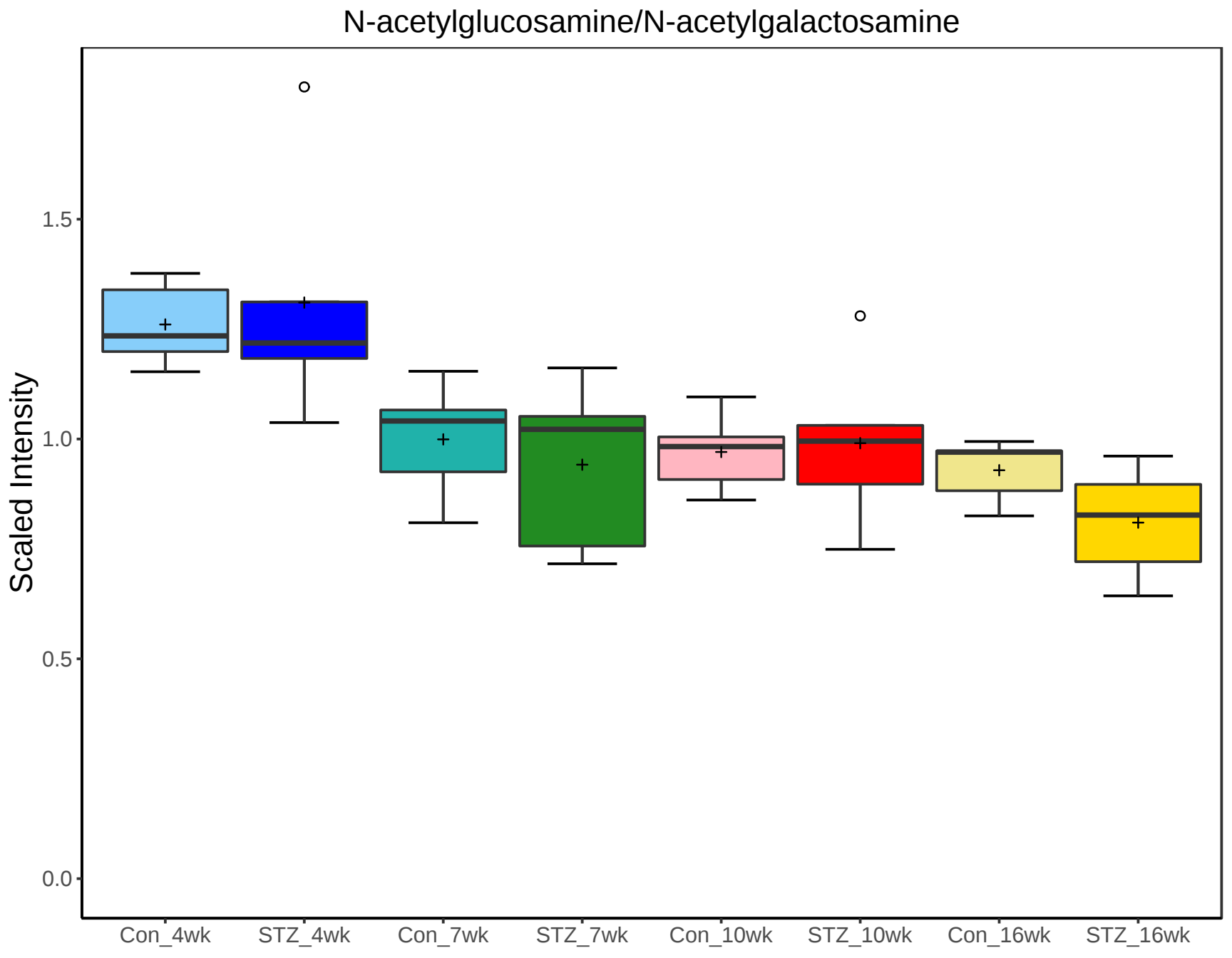

N-acetylglucosamine 6-phosphate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

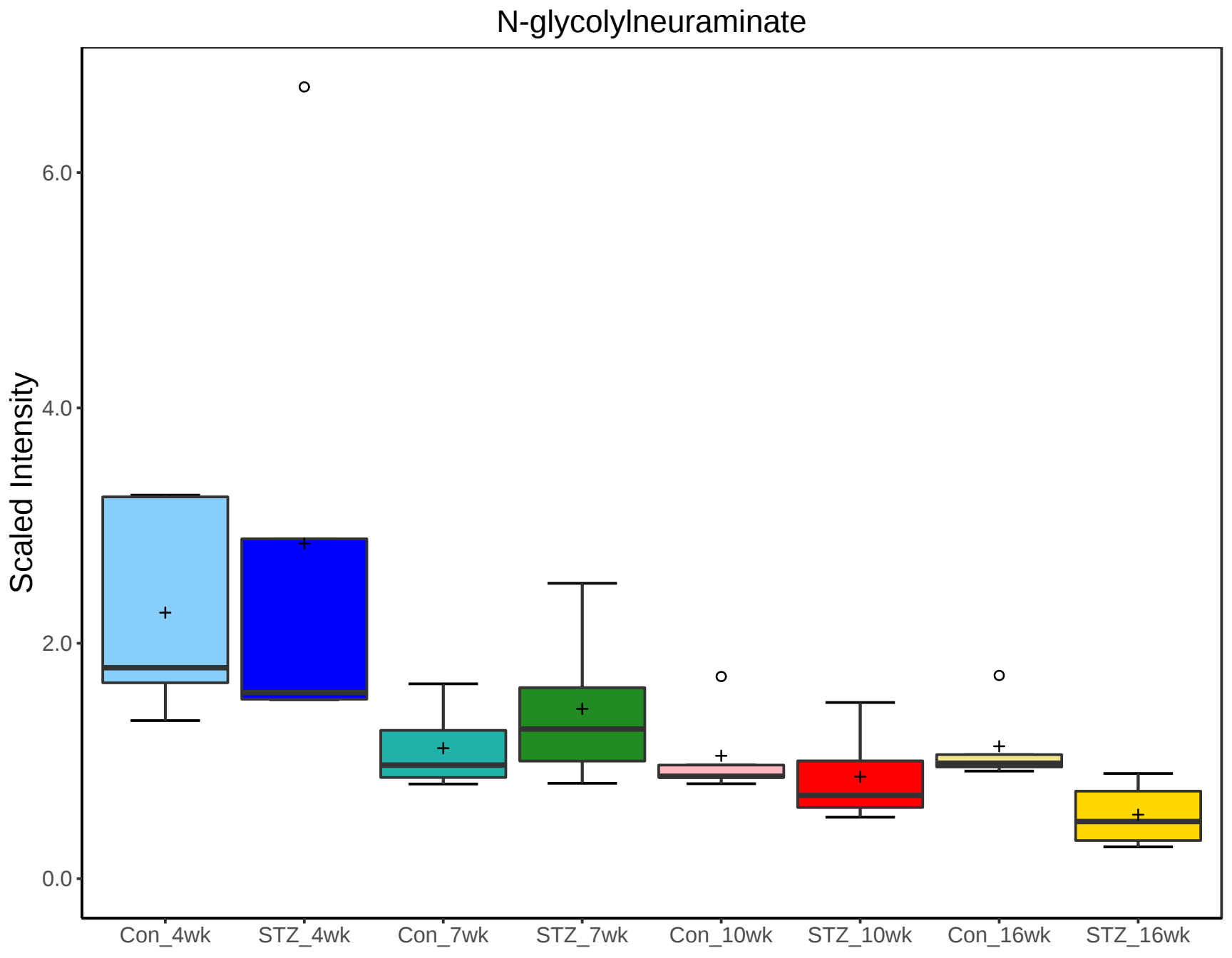

N-acetyl-glucosamine 1-phosphate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

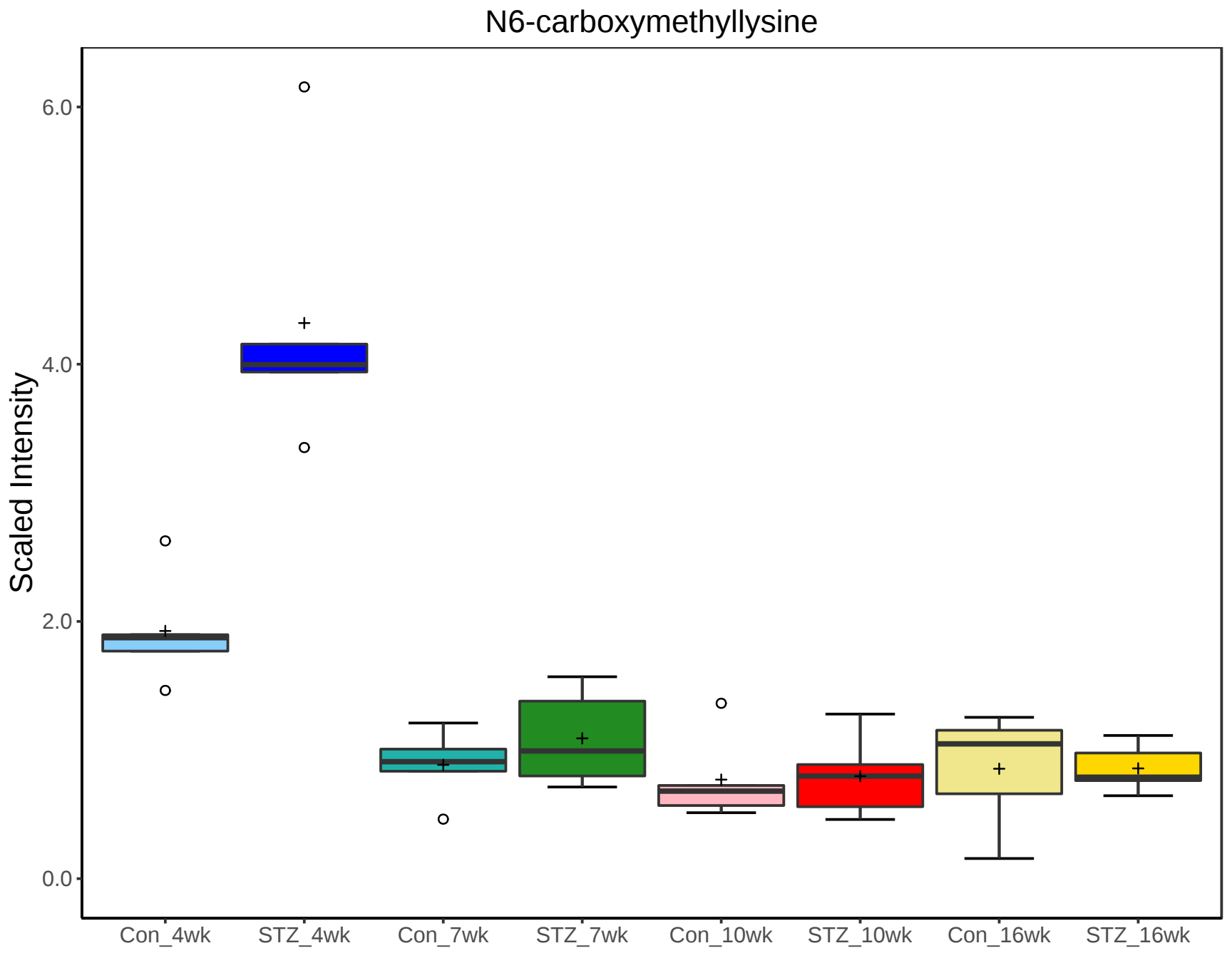

N-acetylneuraminate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

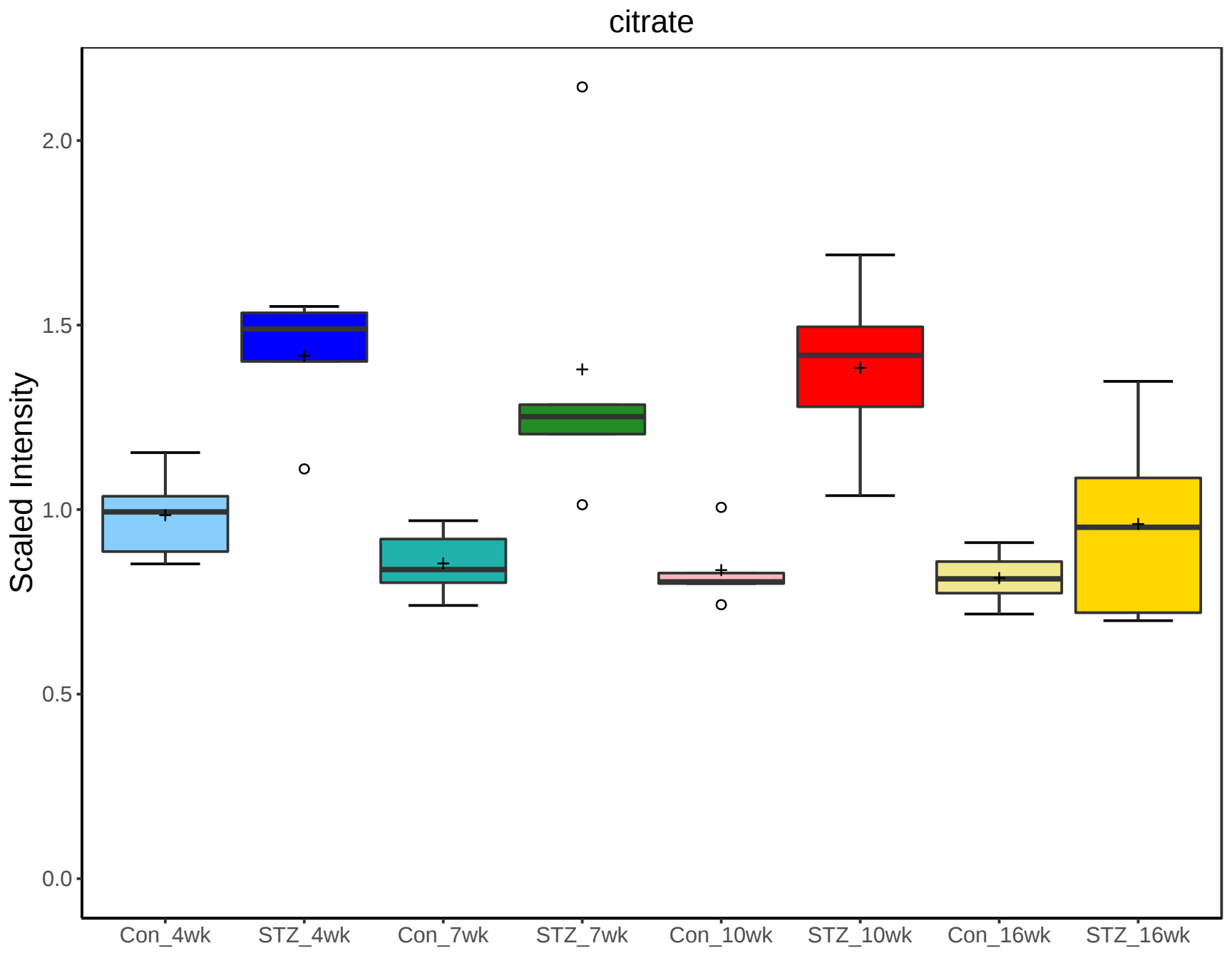

N-acetylglucosaminylasparagine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

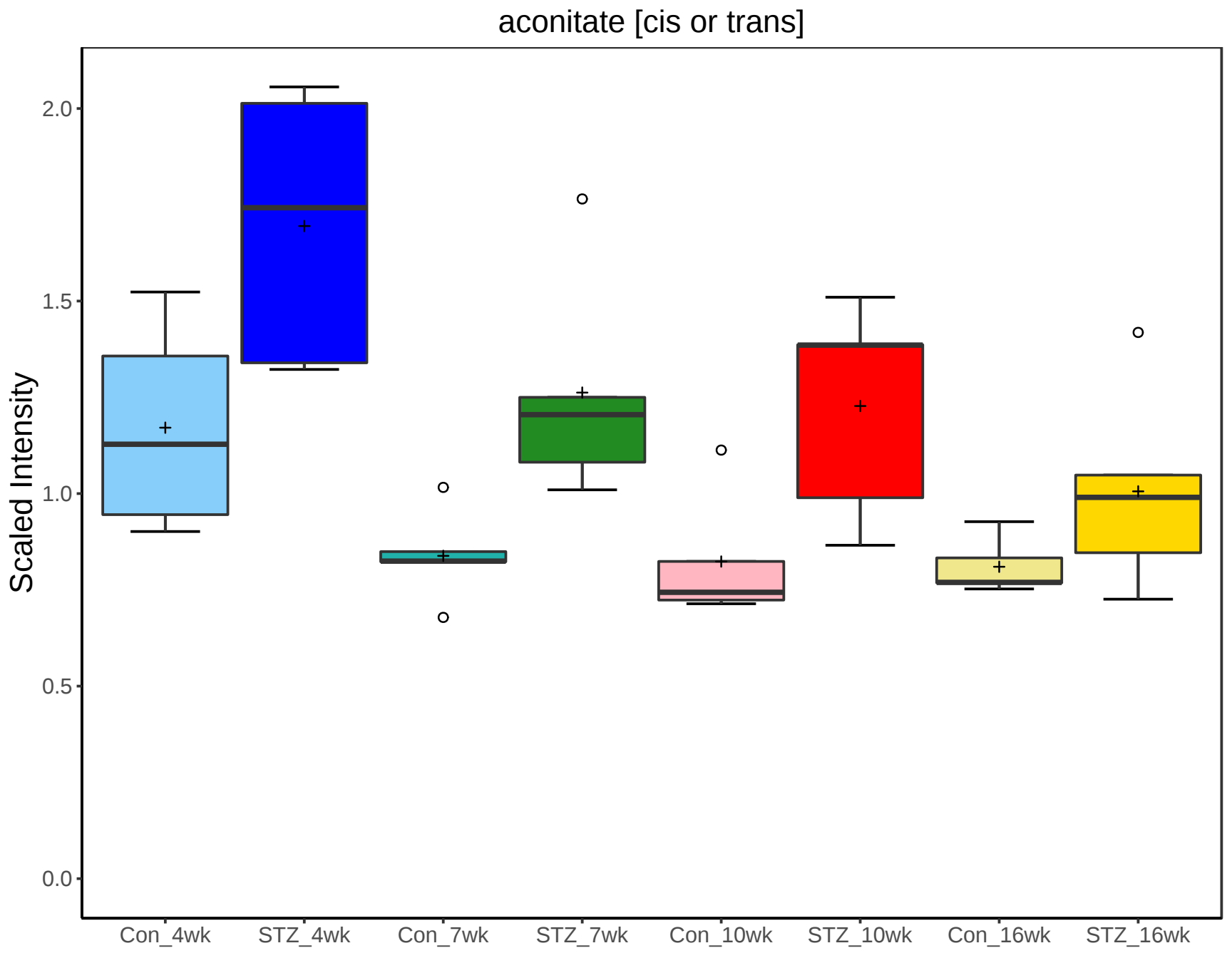

erythronate*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

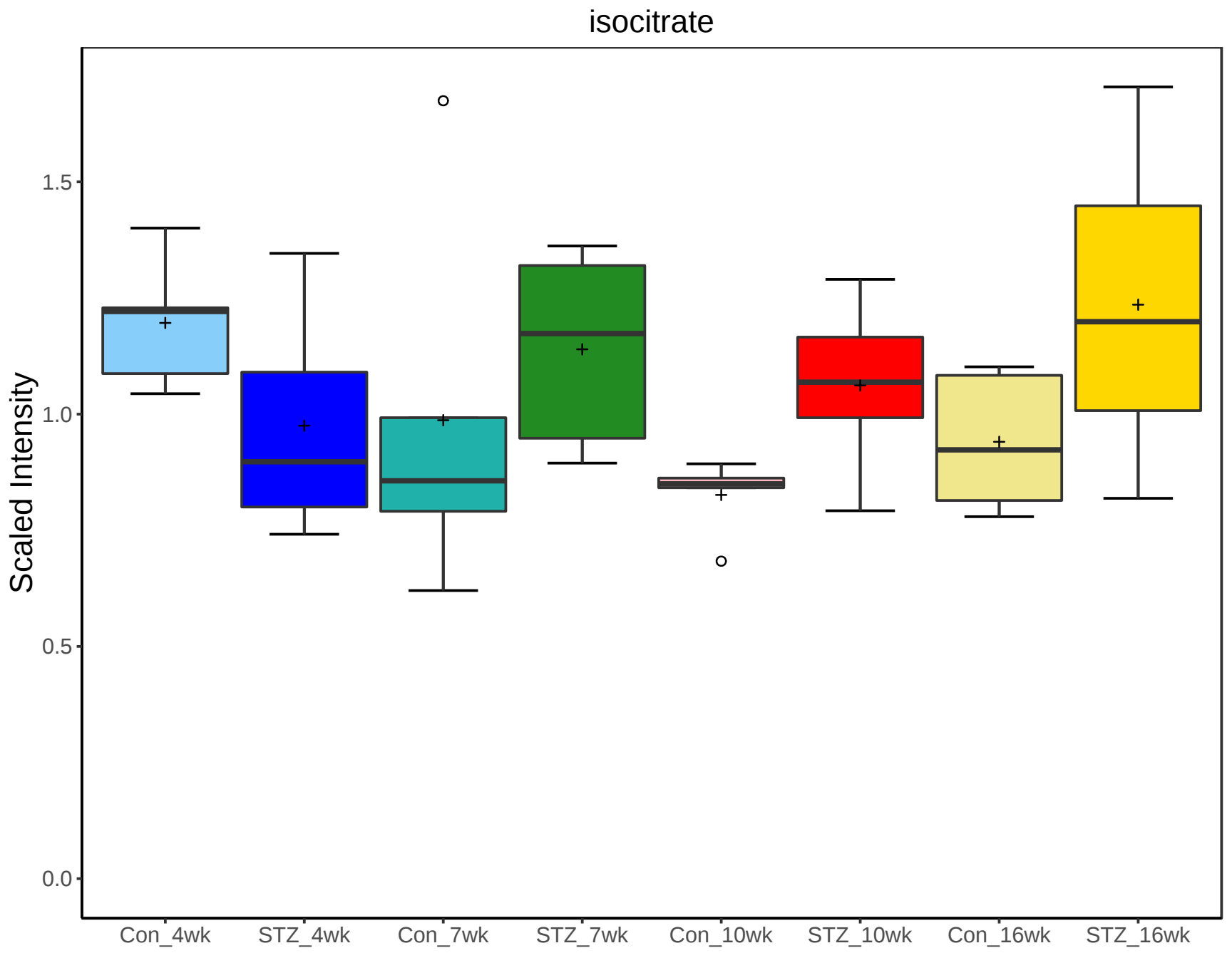

N-acetylglucosamine/N-acetylgalactosamine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

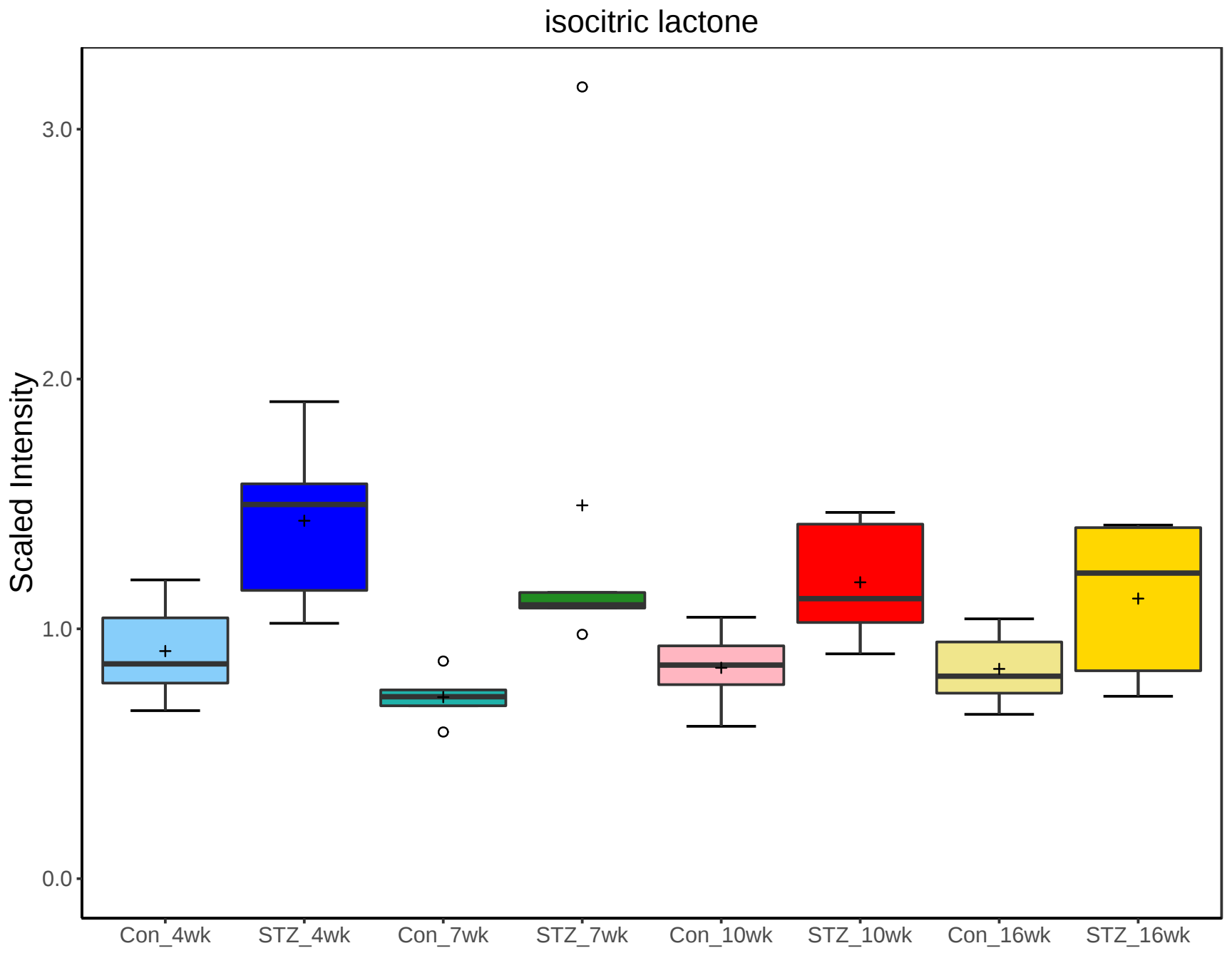

N-glycolylneuraminate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

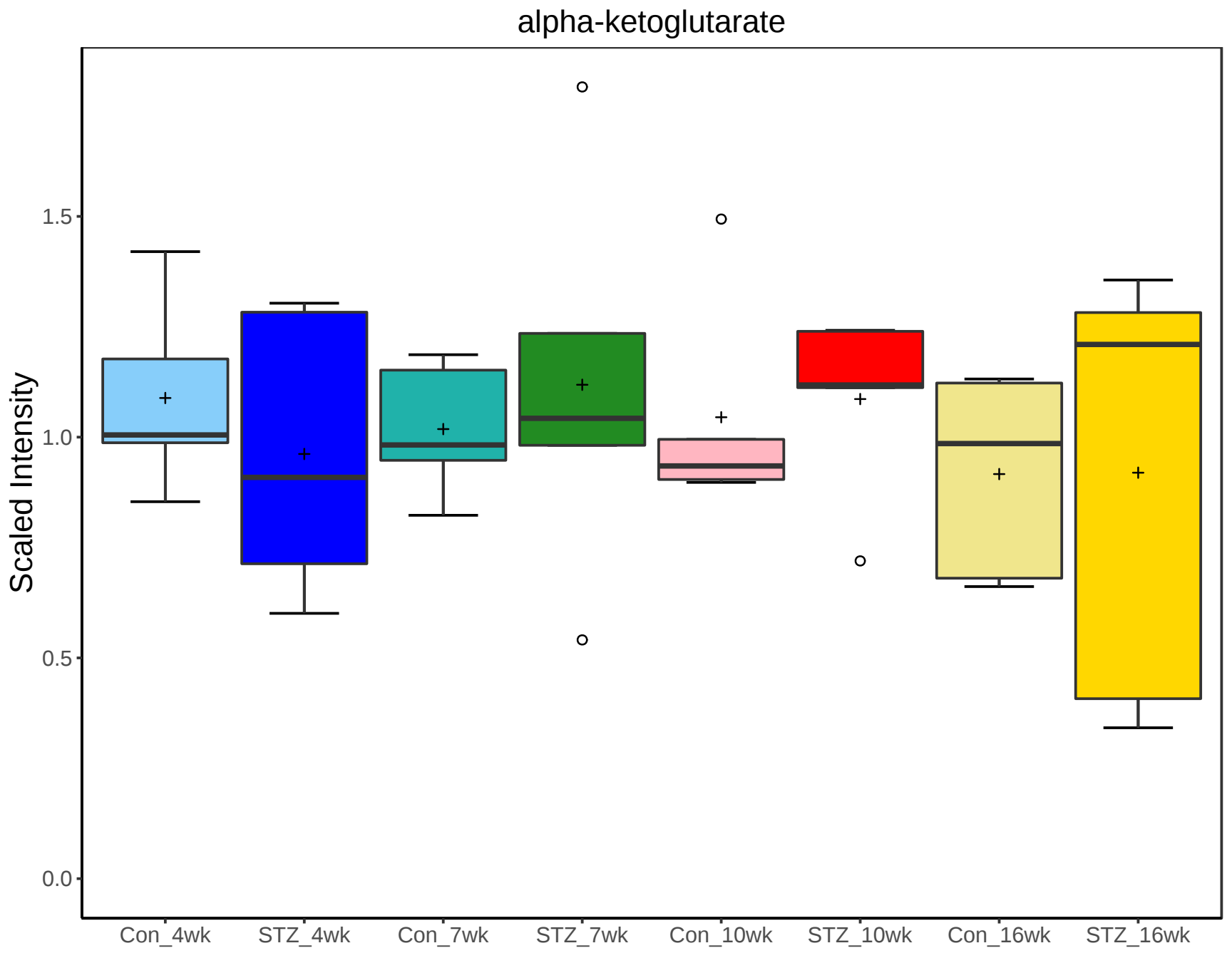

N6-carboxymethyllysine
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

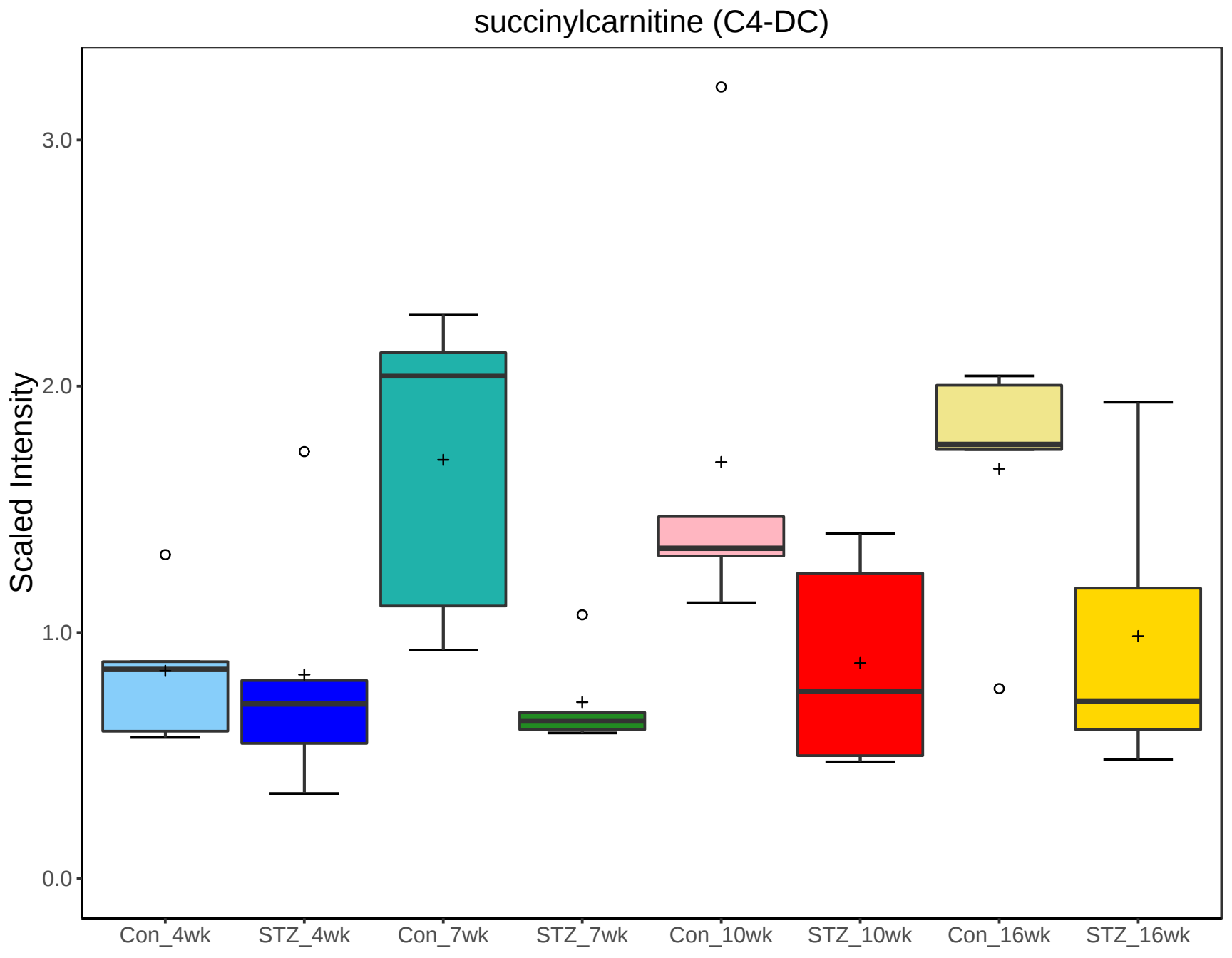

citrate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

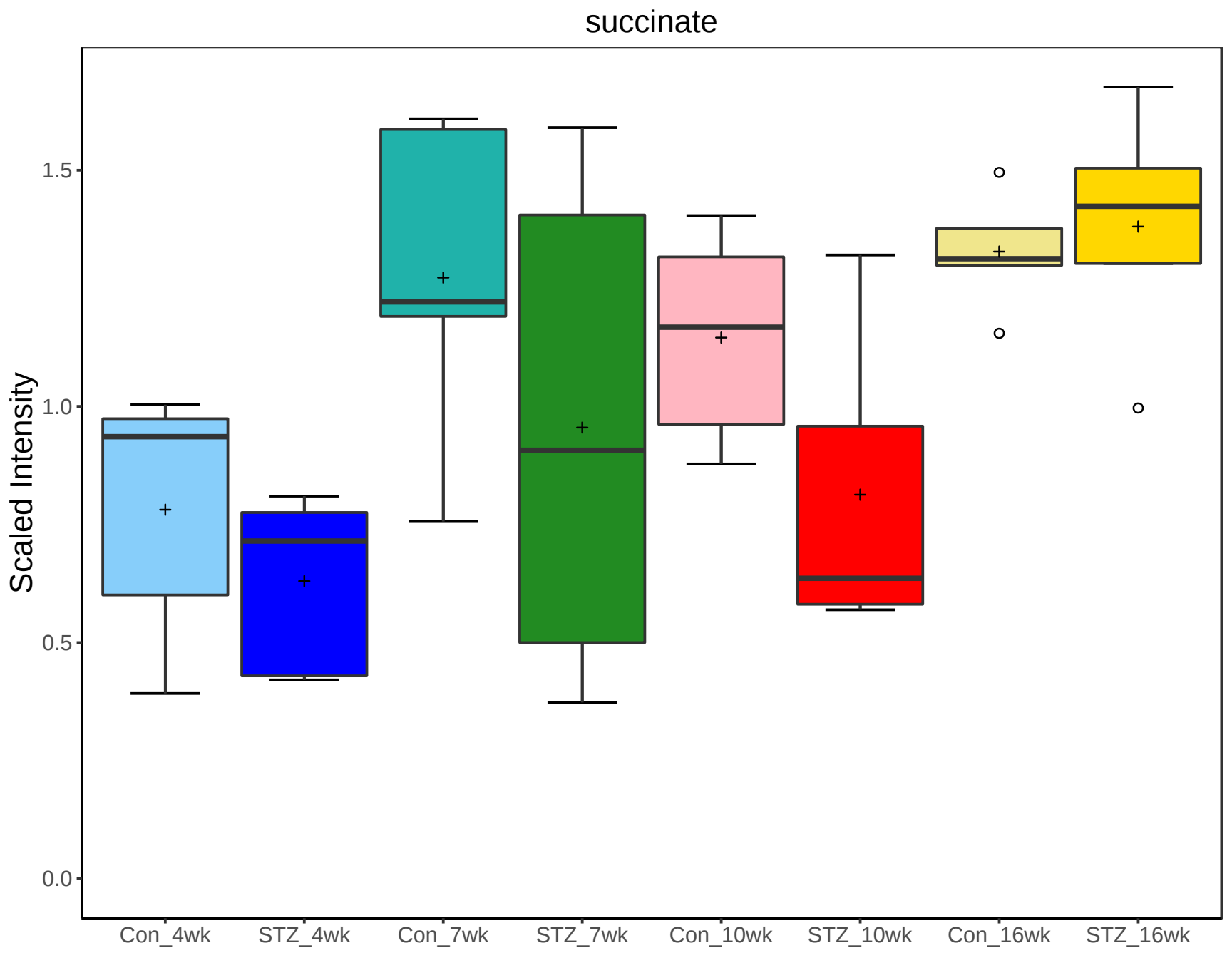

aconitate [cis or trans]
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

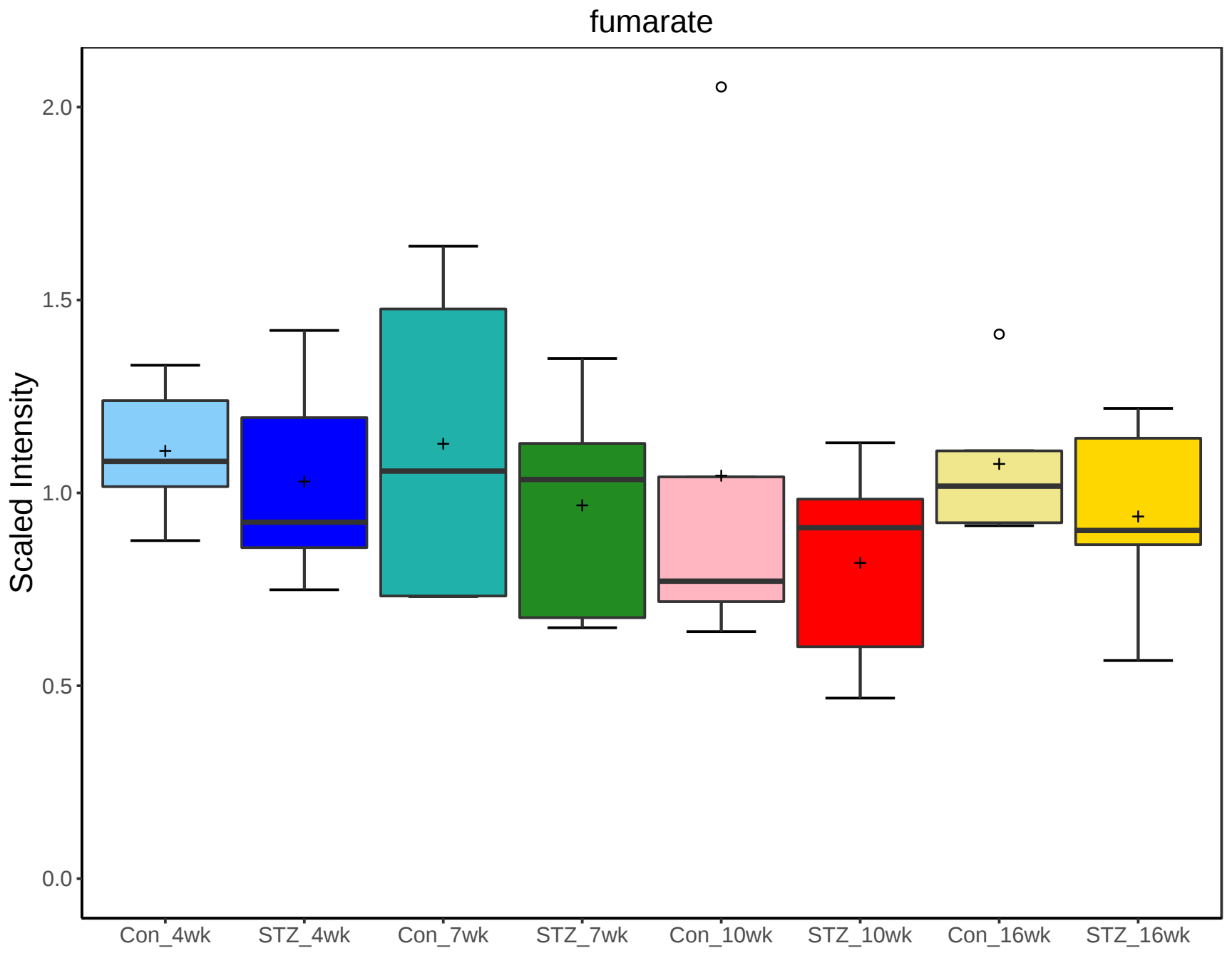

isocitrate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

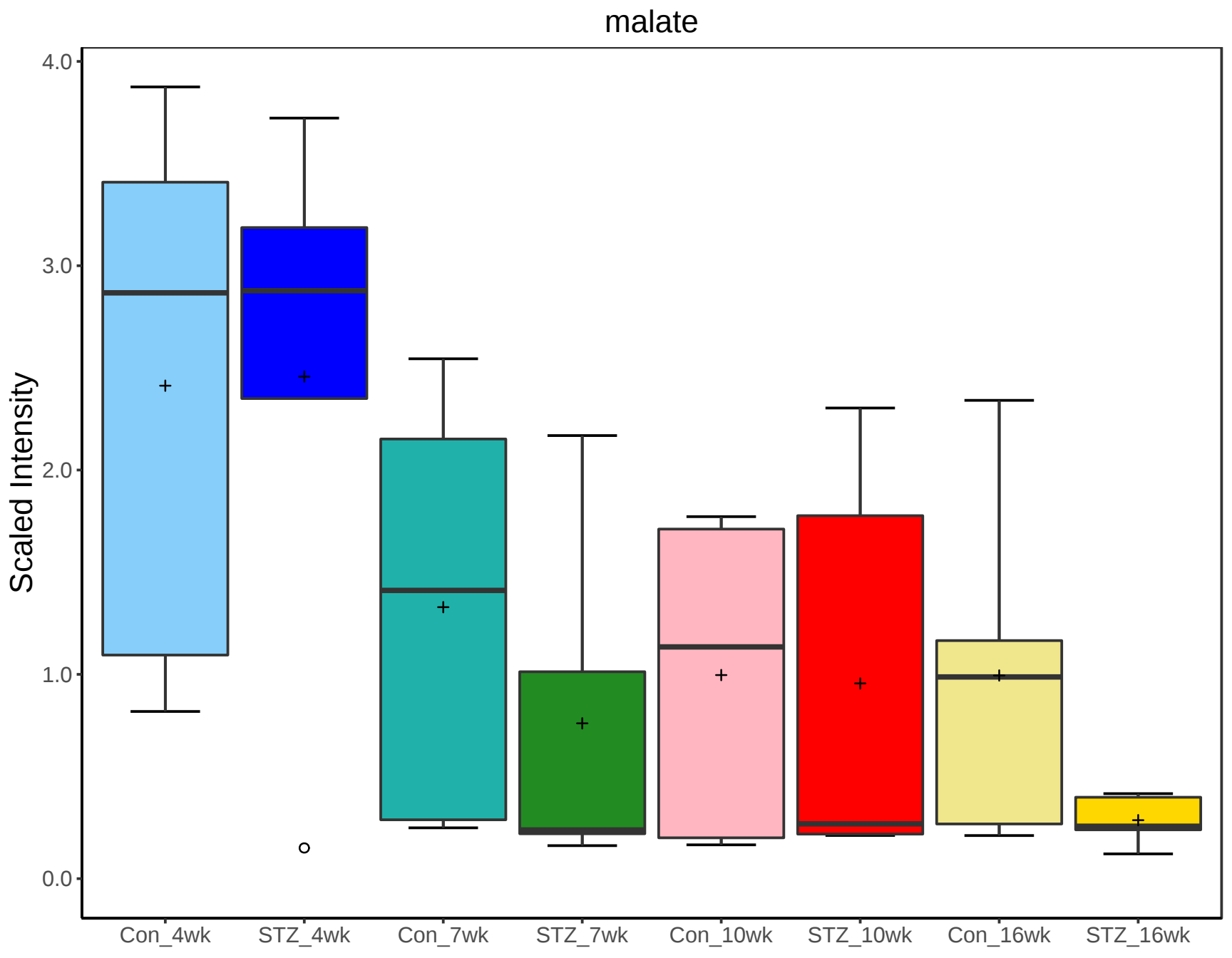

isocitric lactone
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

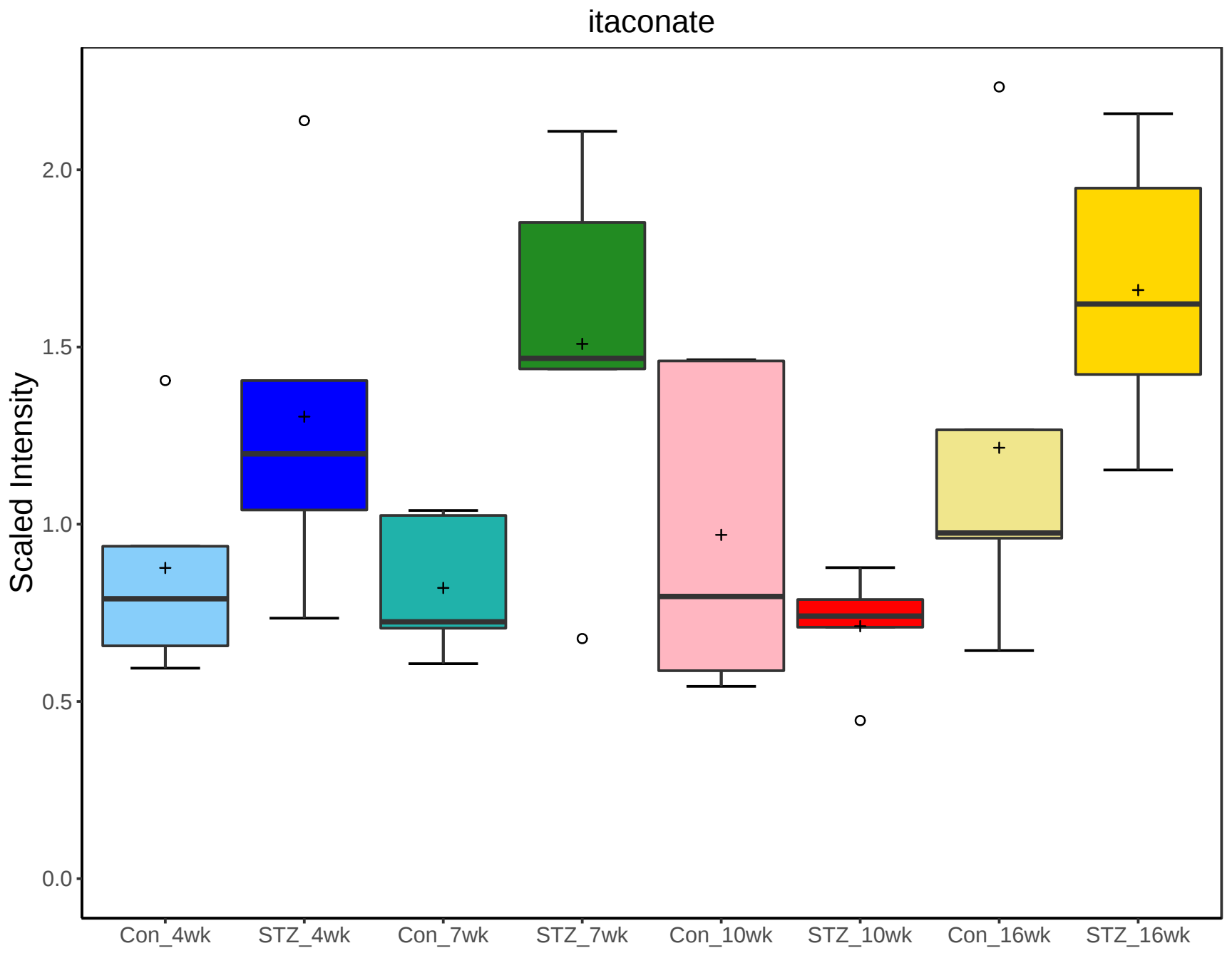

alpha-ketoglutarate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

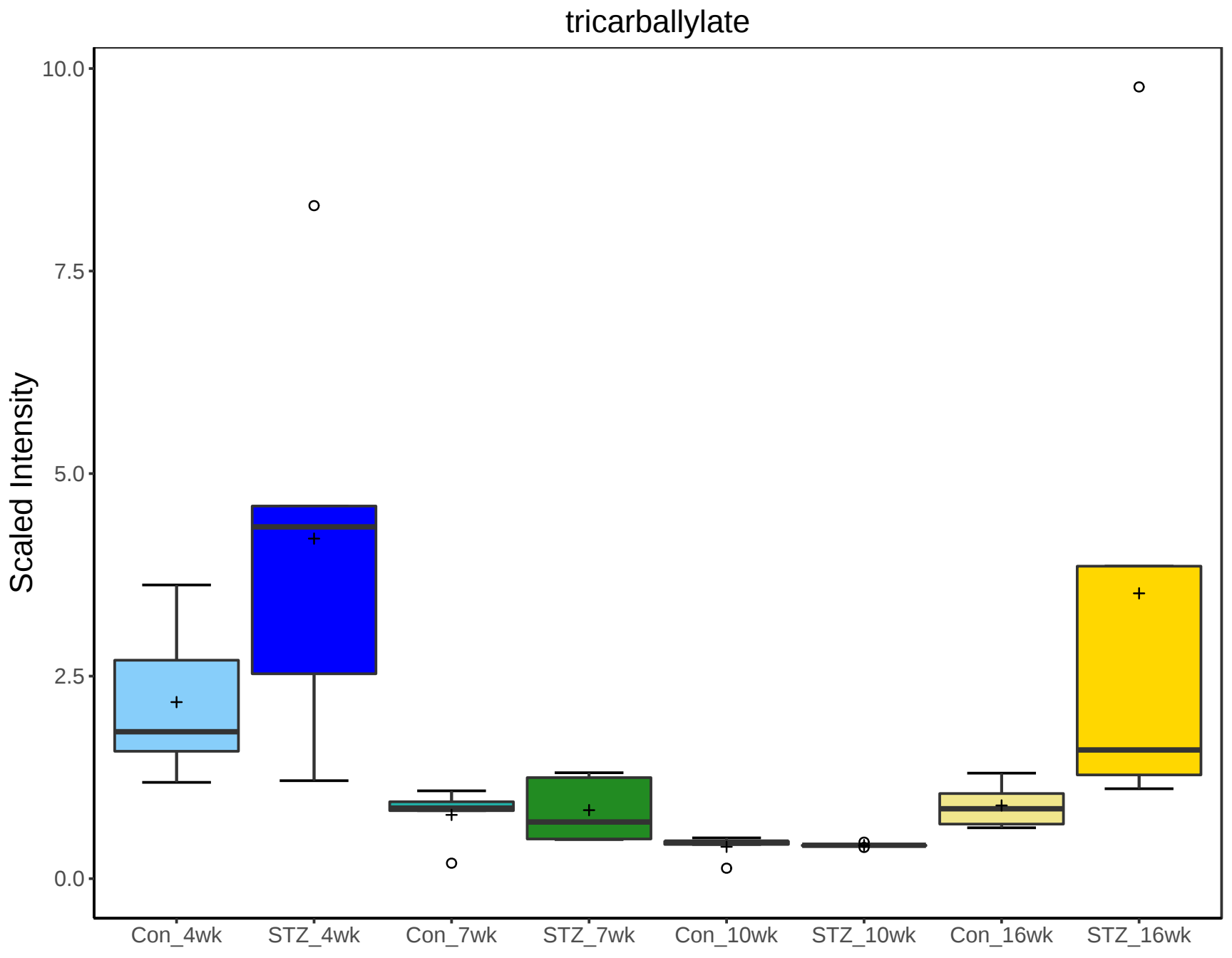

succinylcarnitine (C4-DC)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

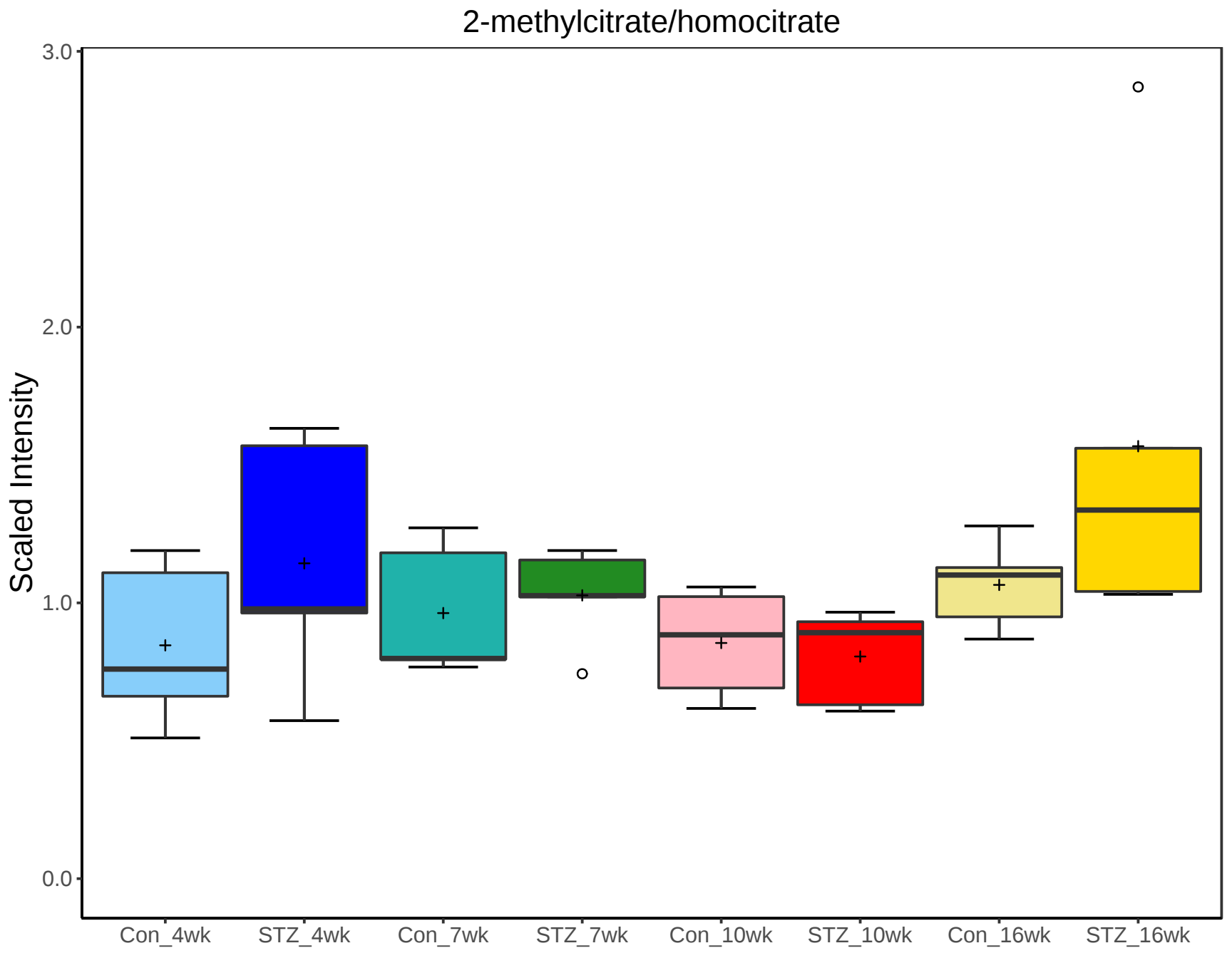

succinate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

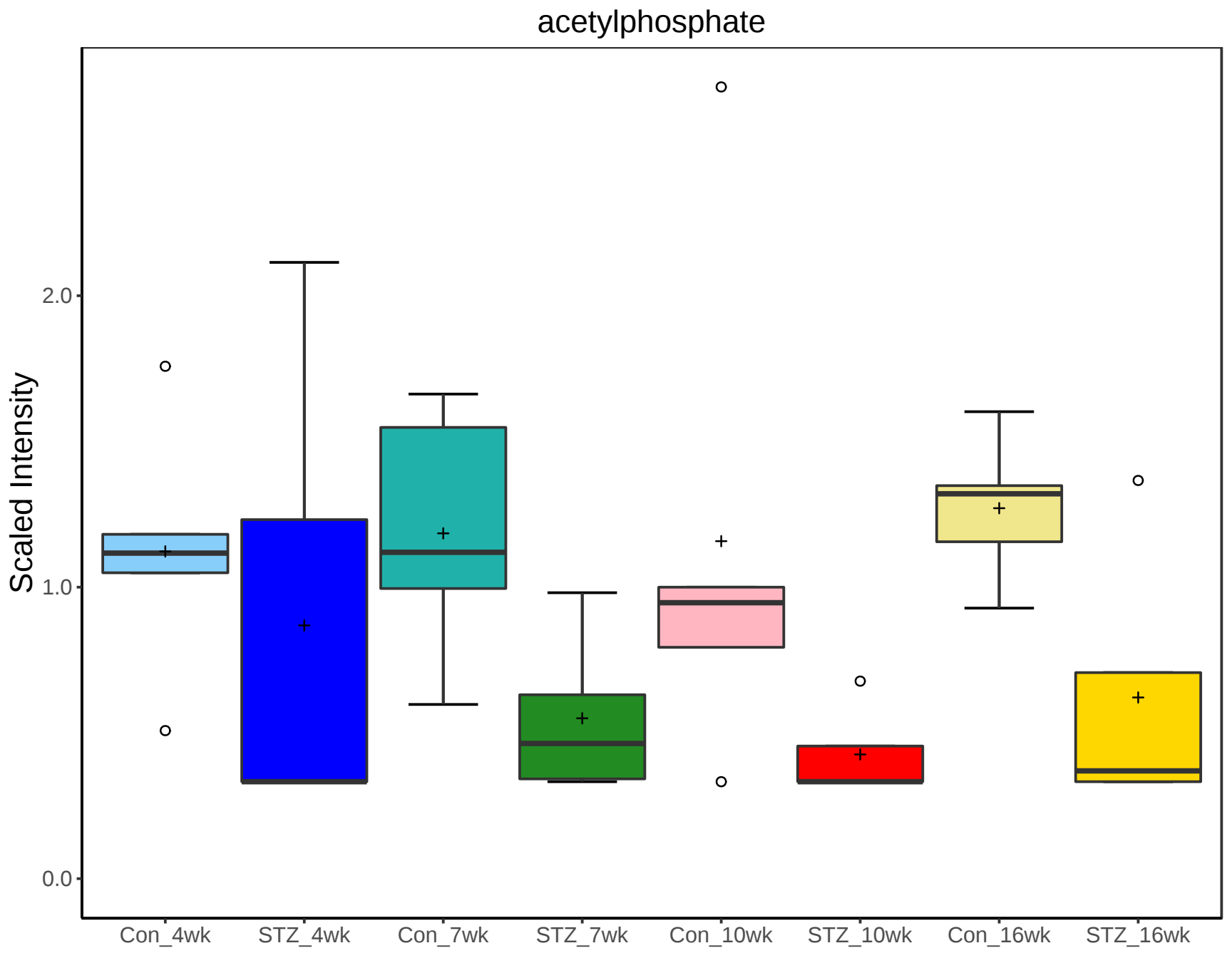

fumarate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

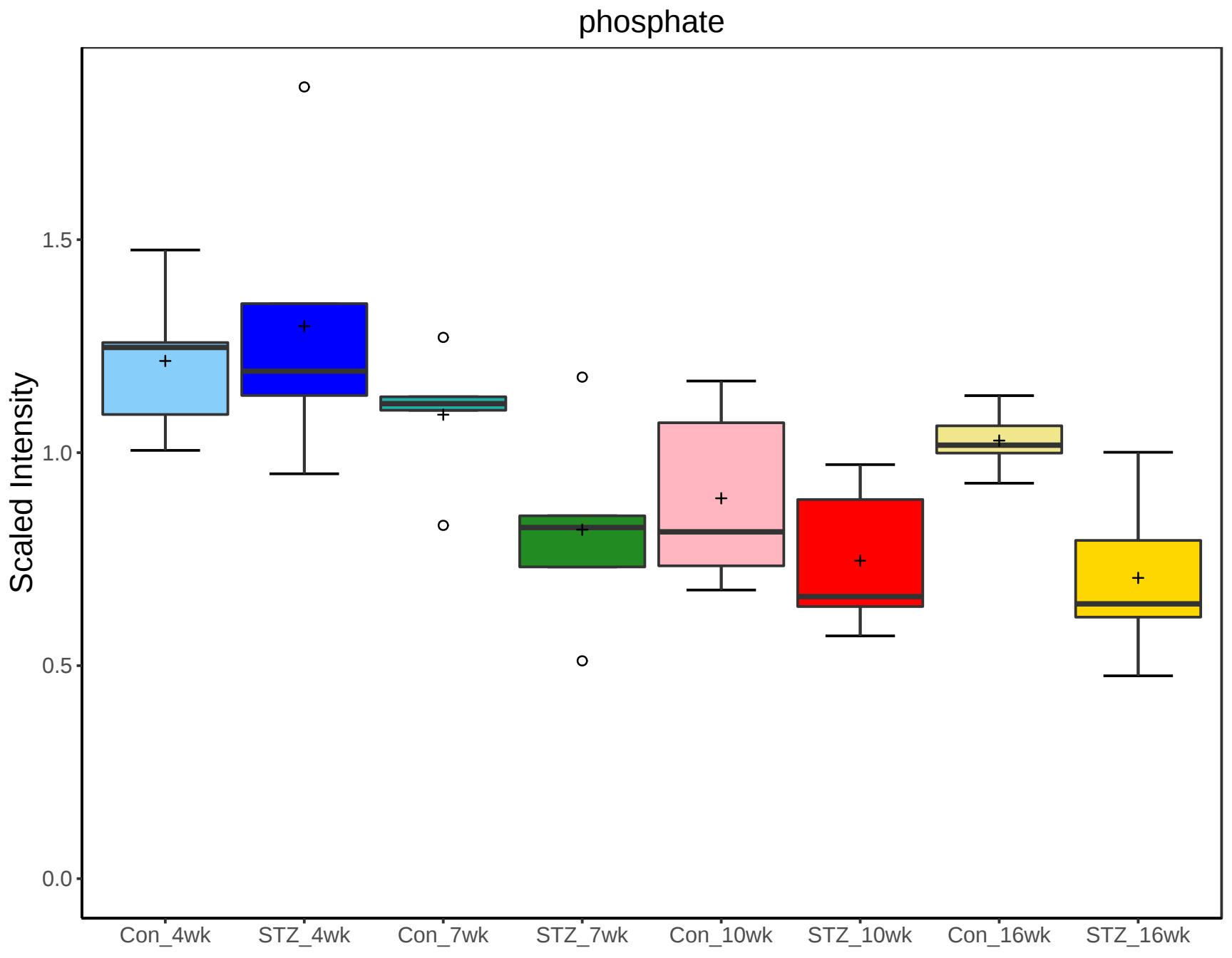

malate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

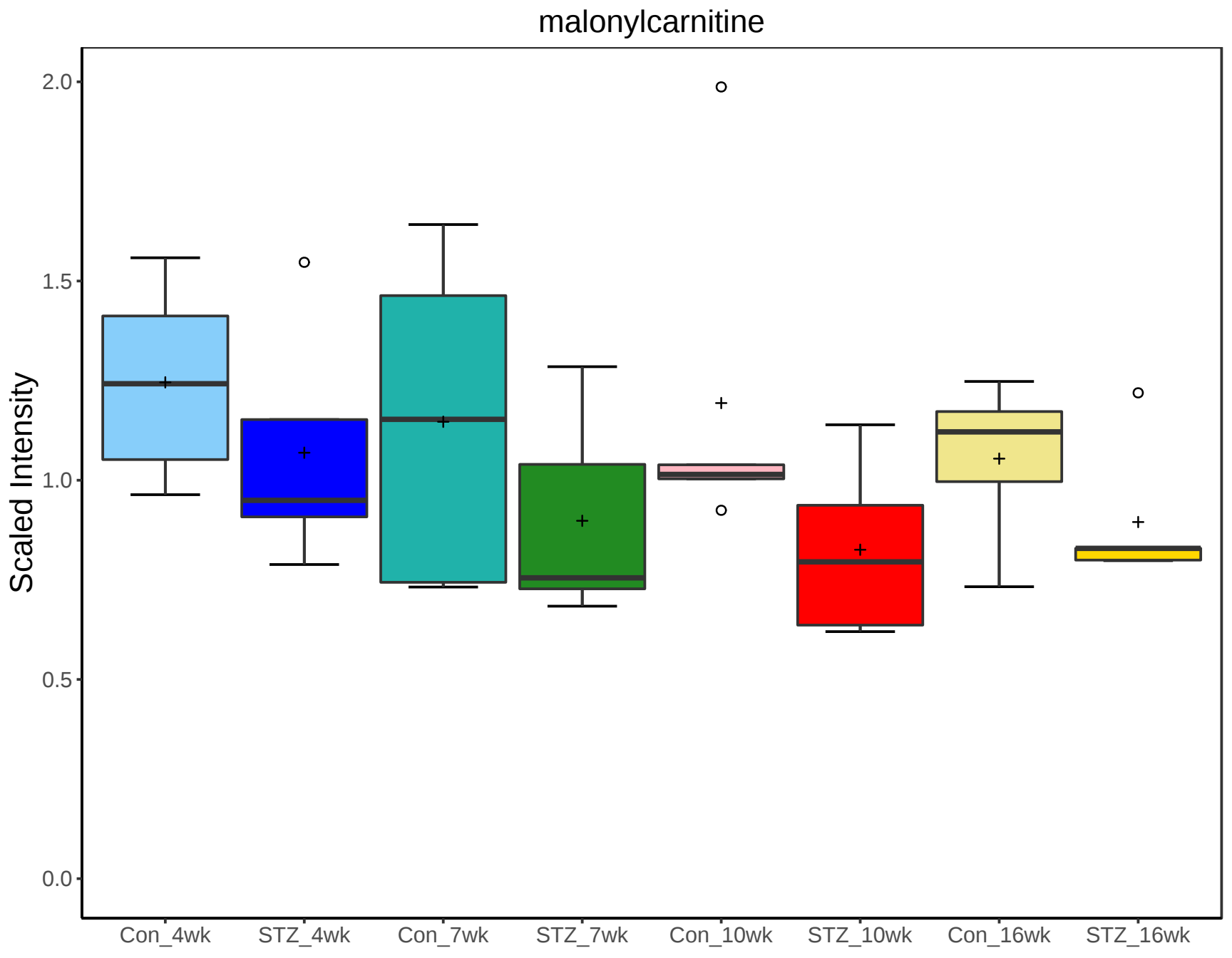

itaconate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

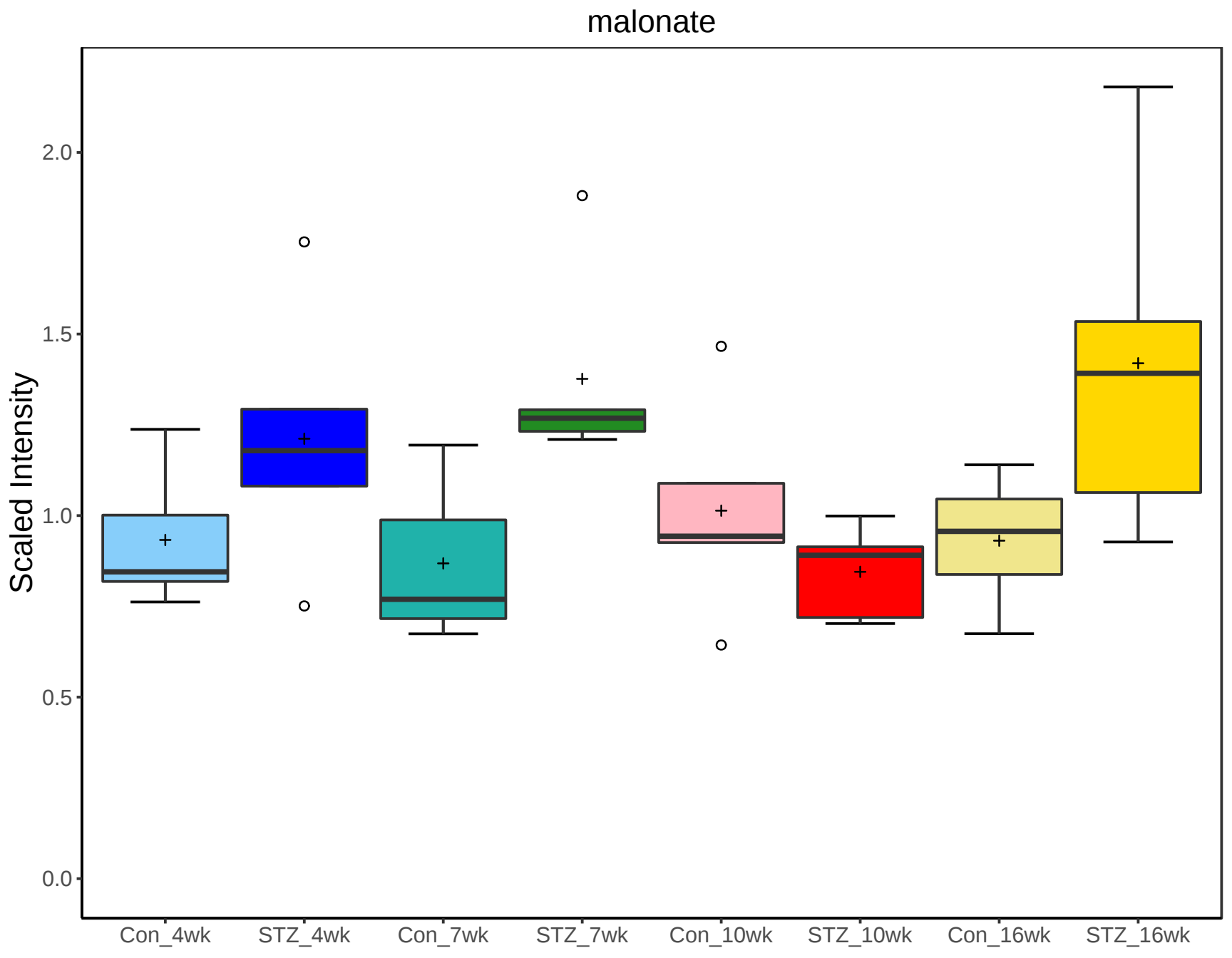

tricarballylate
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

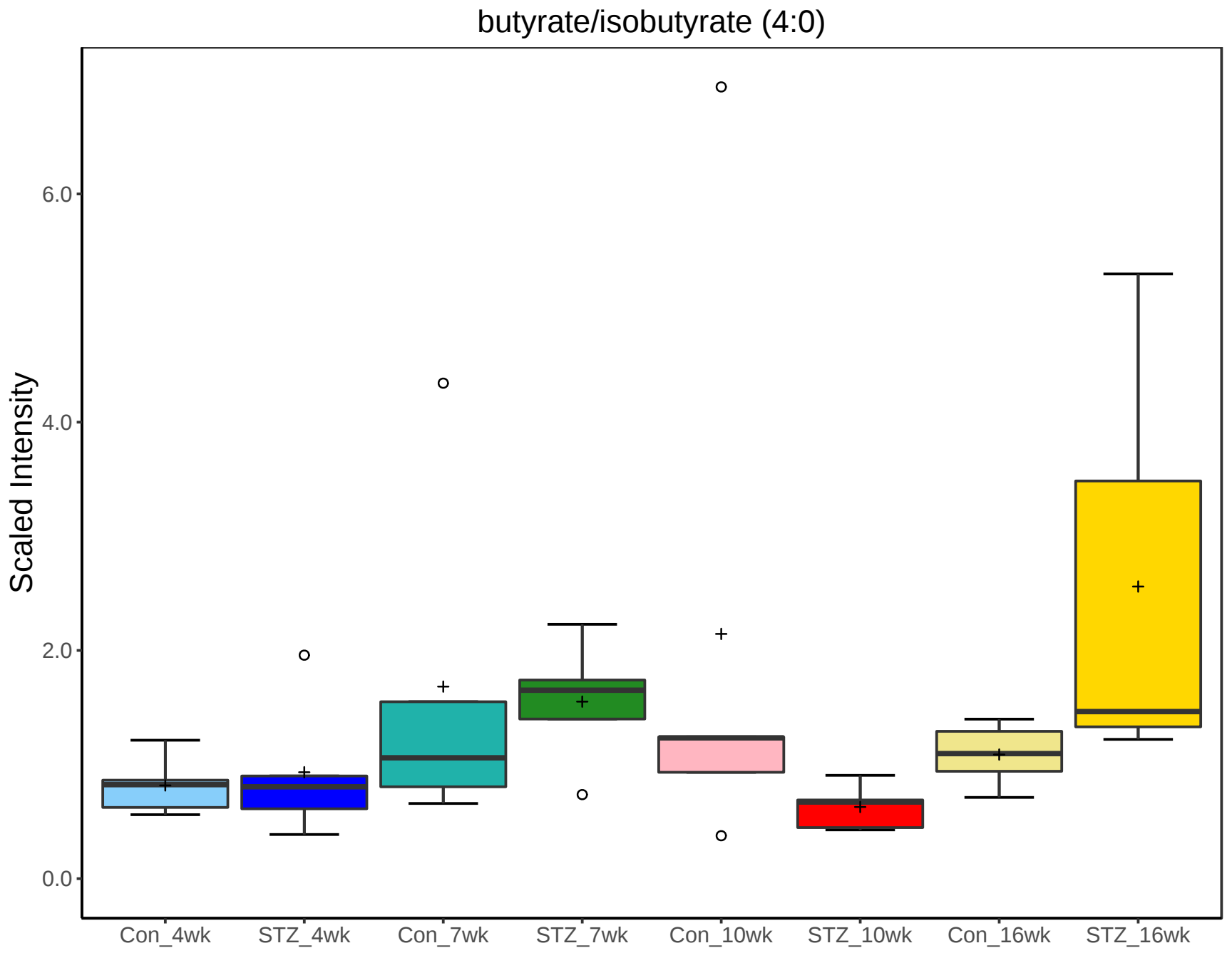

2-methylcitrate/homocitrate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

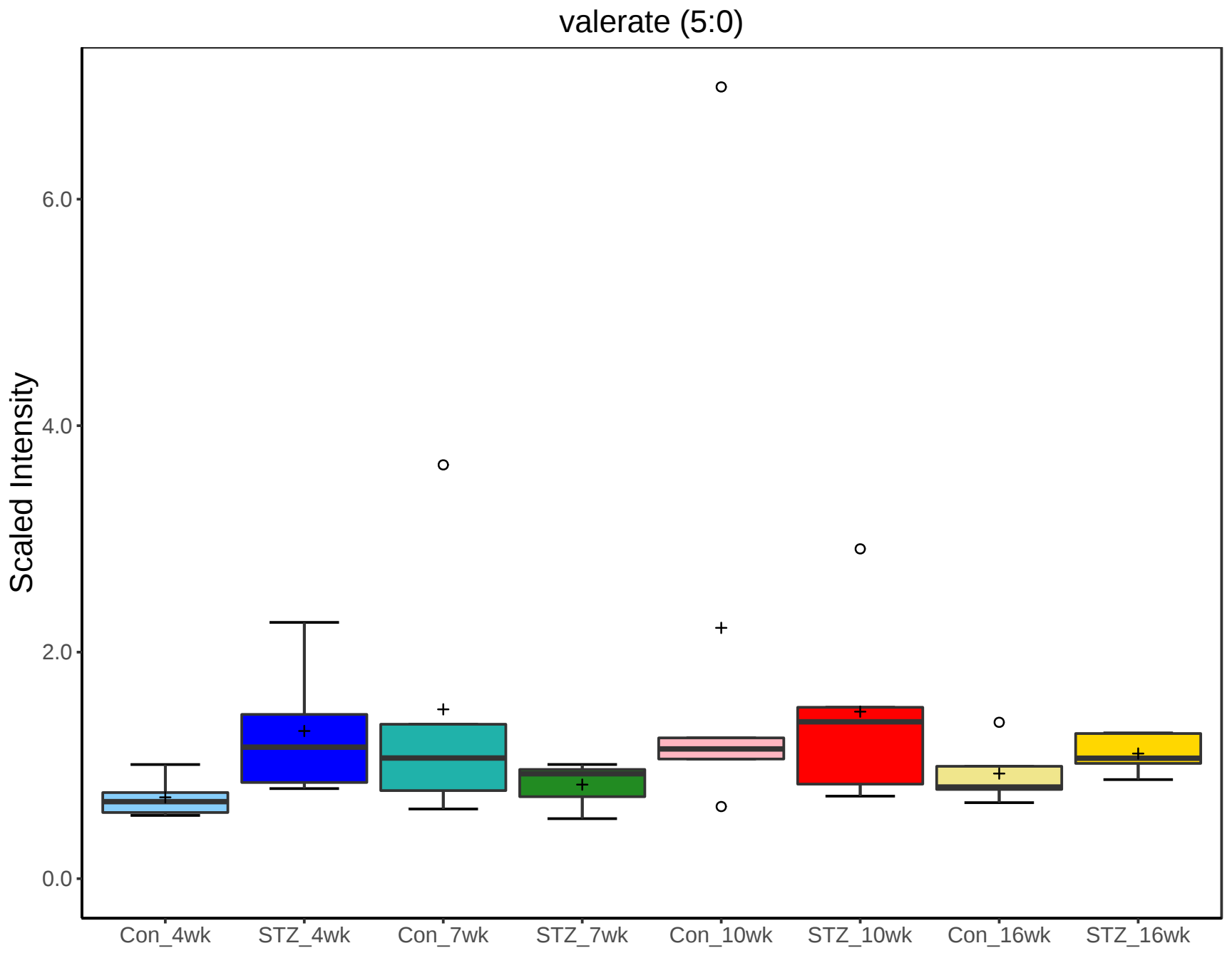

acetylphosphate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

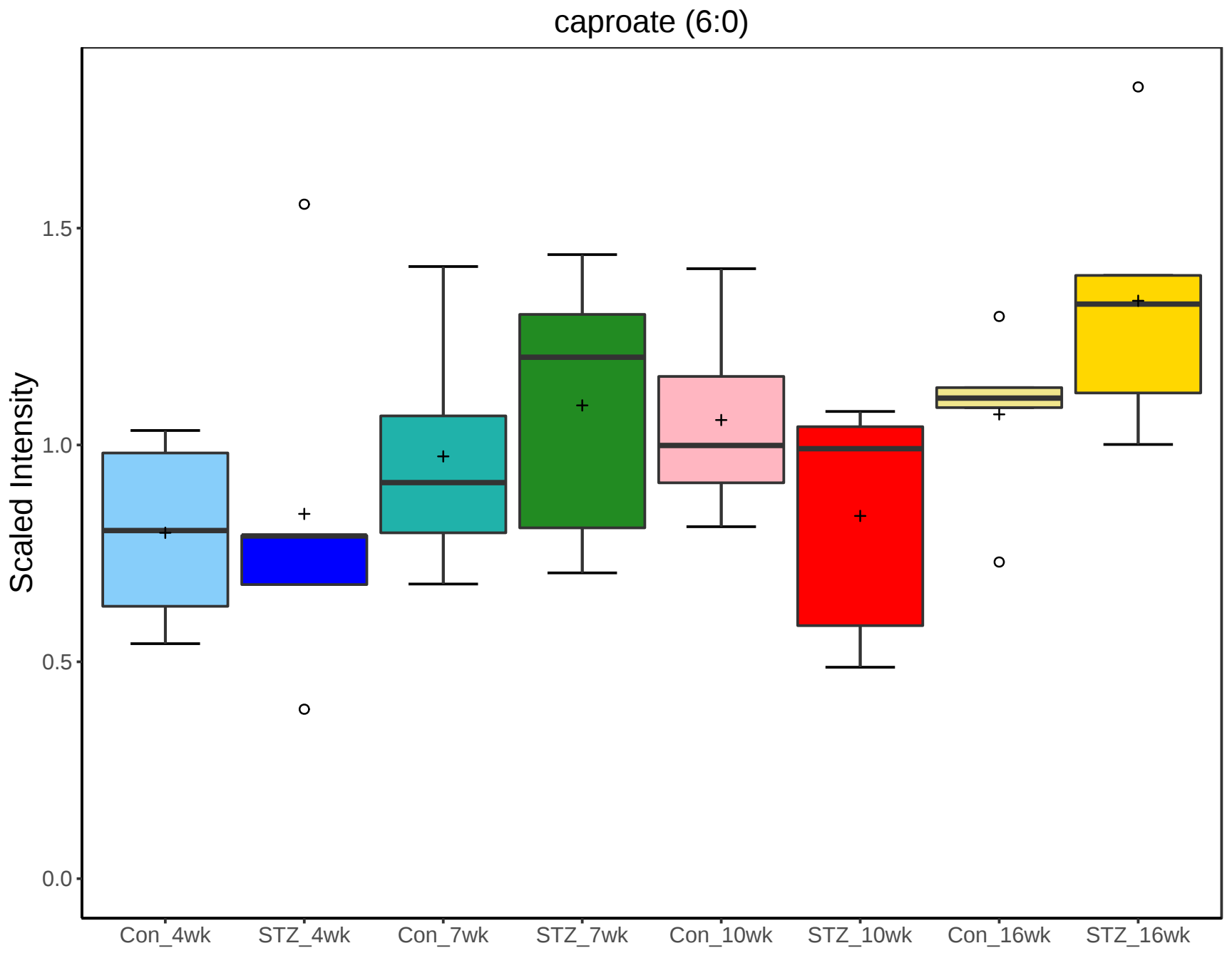

phosphate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

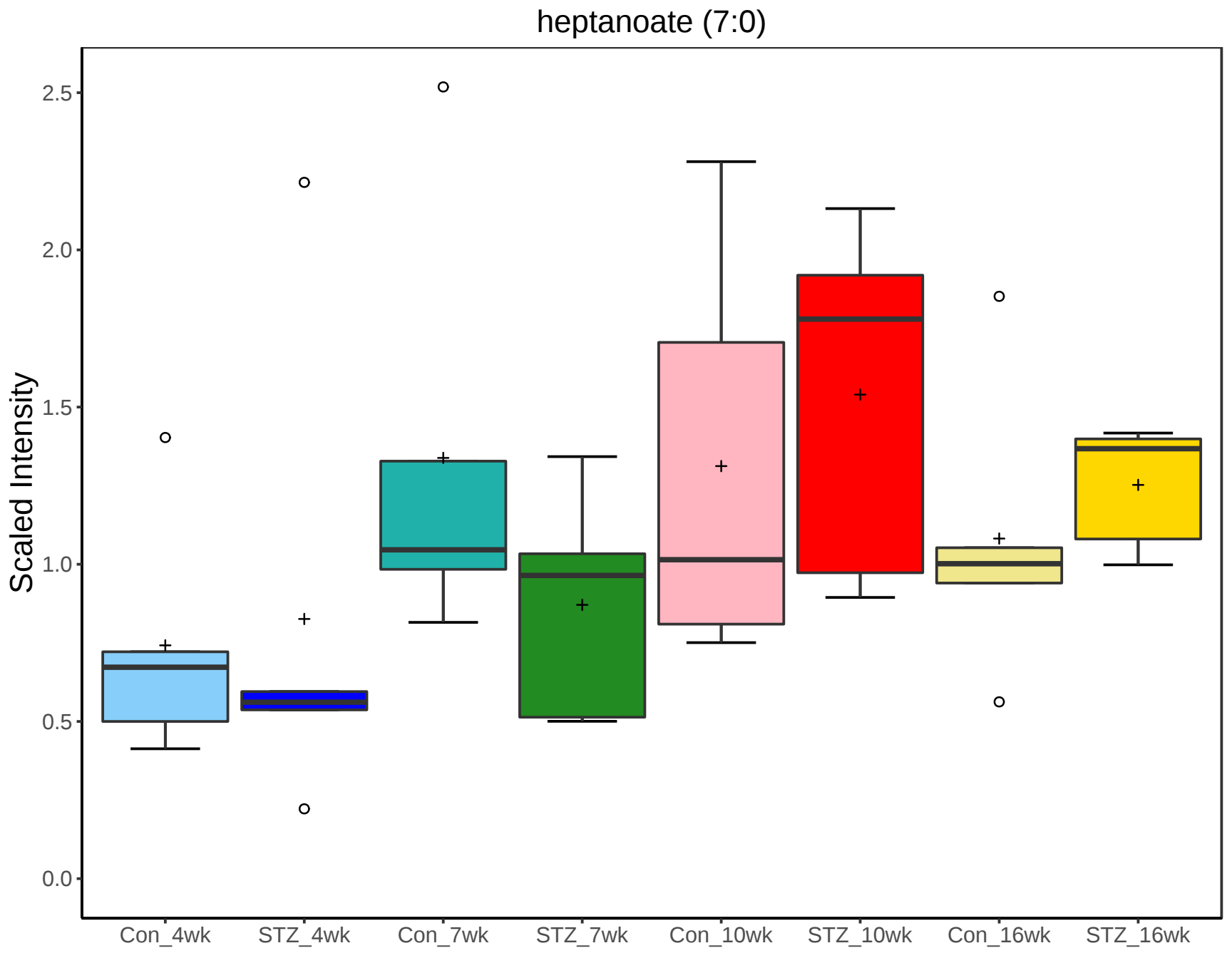

malonylcarnitine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

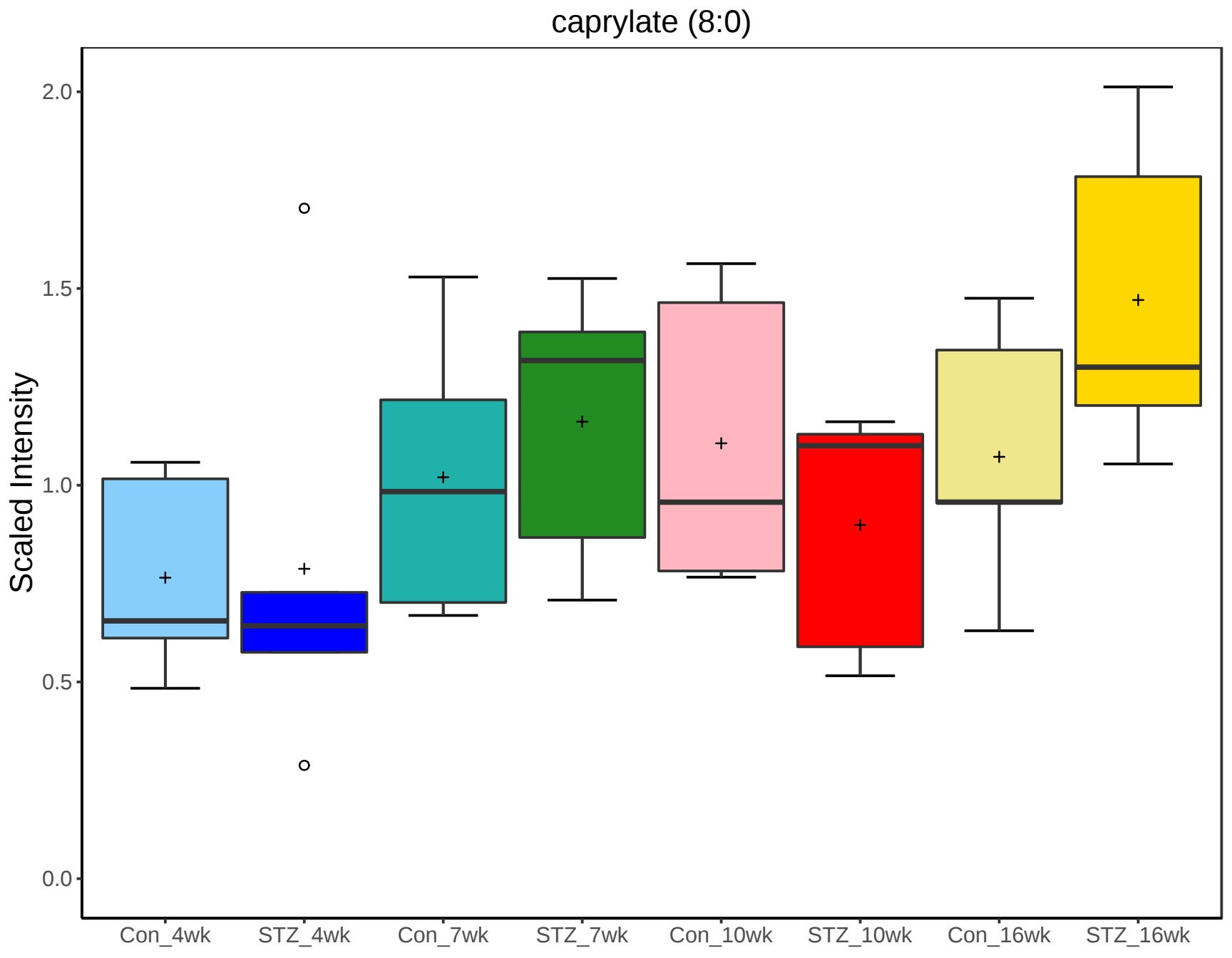

malonate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

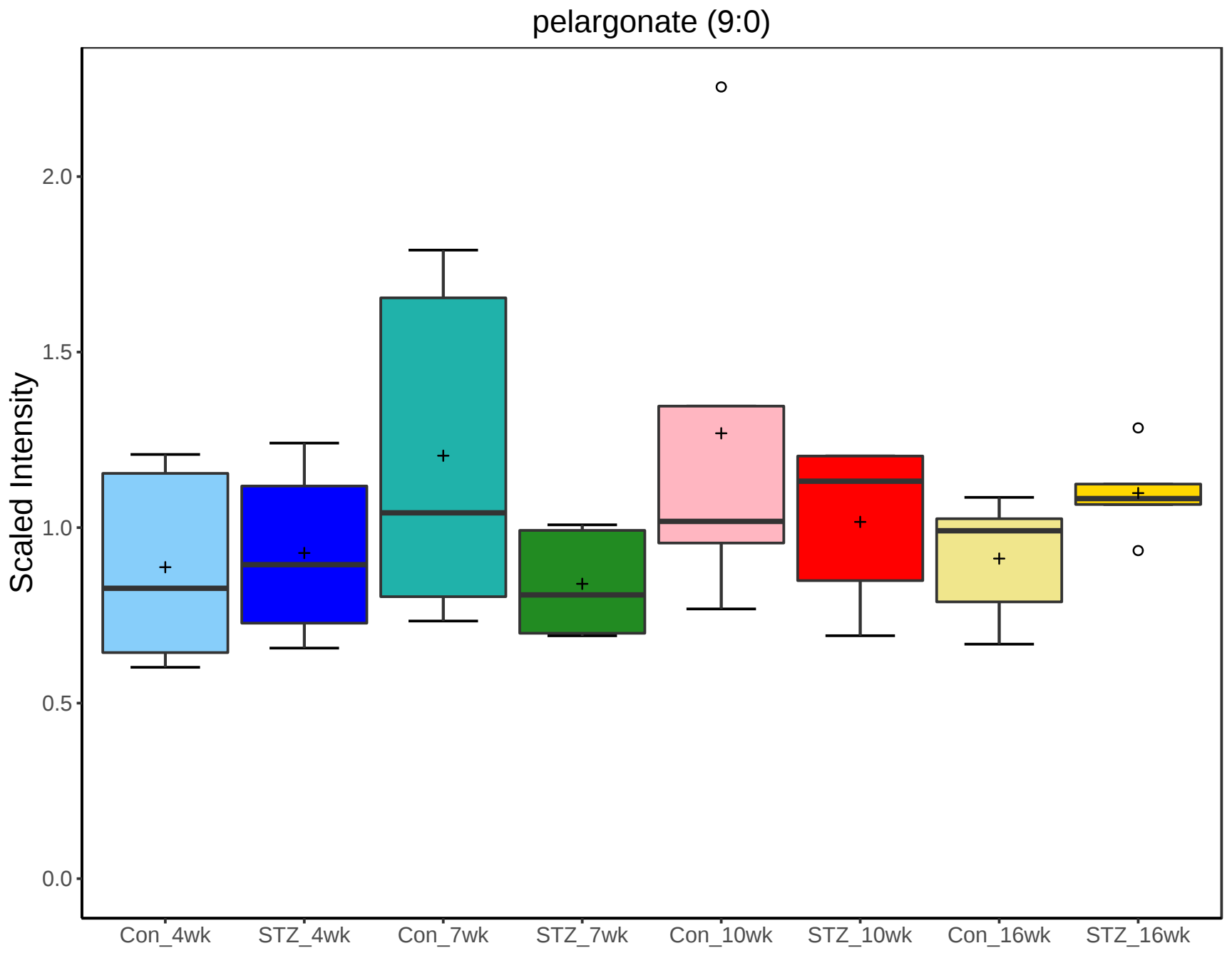

butyrate/isobutyrate (4:0)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

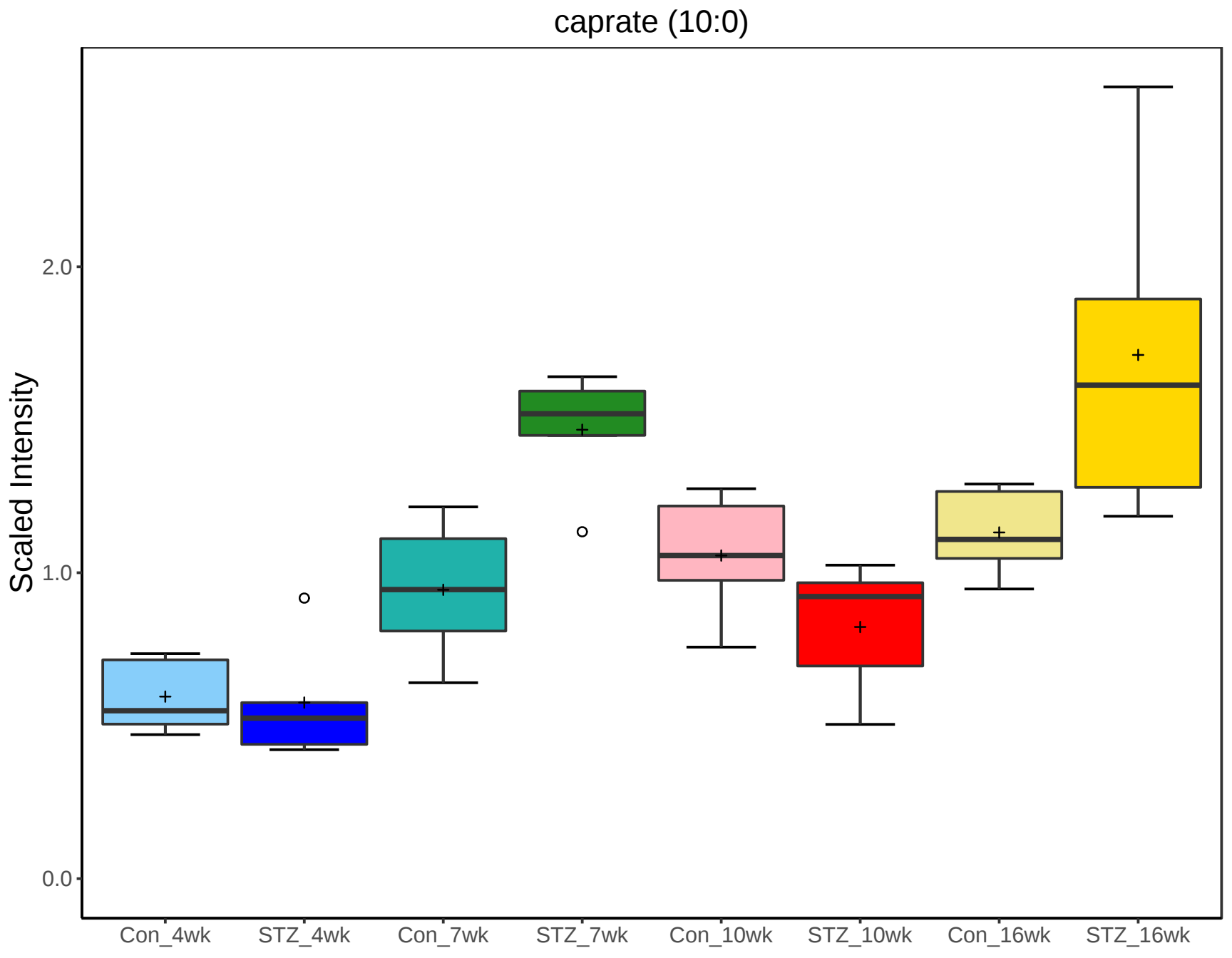

valerate (5:0)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

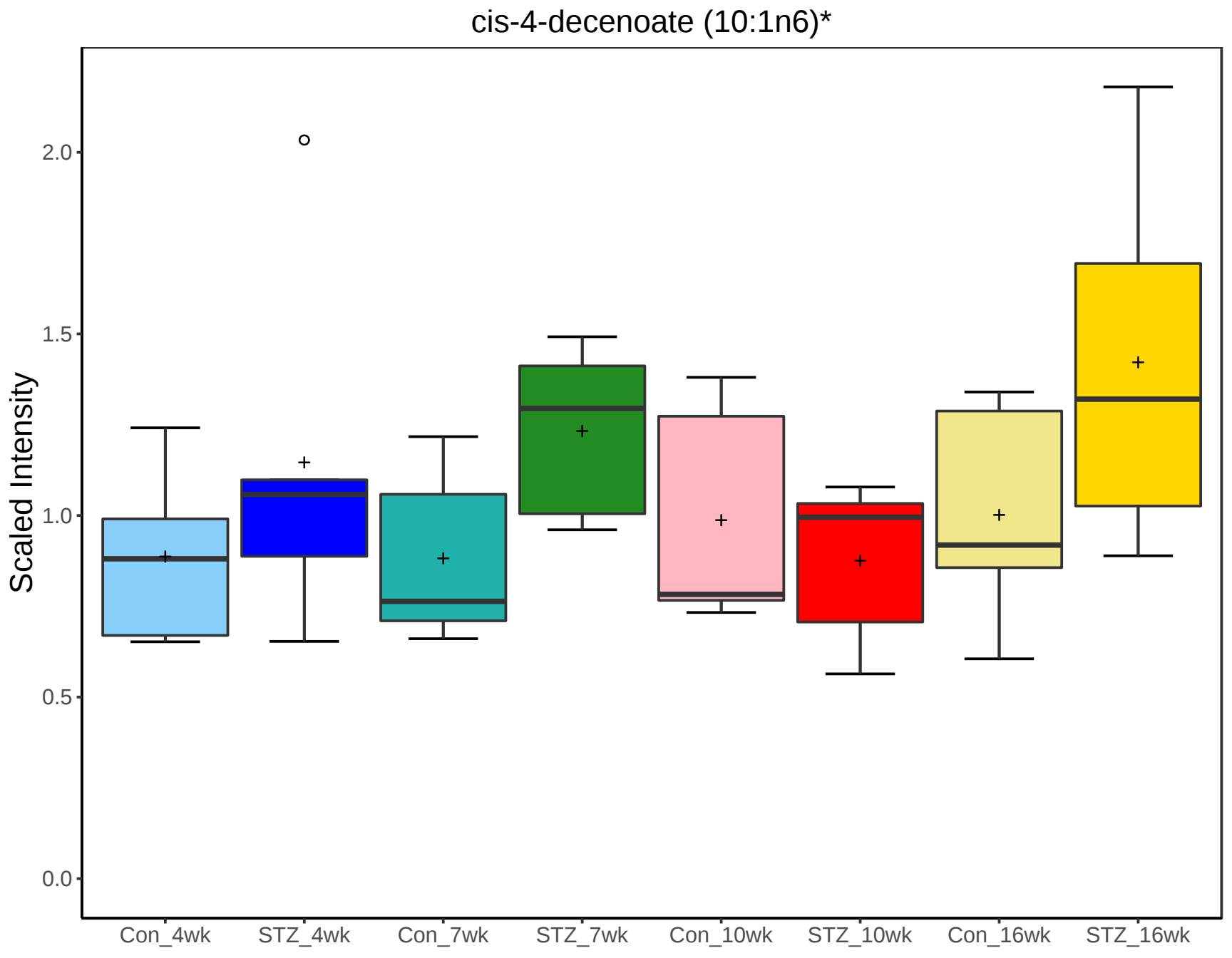

caproate (6:0)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

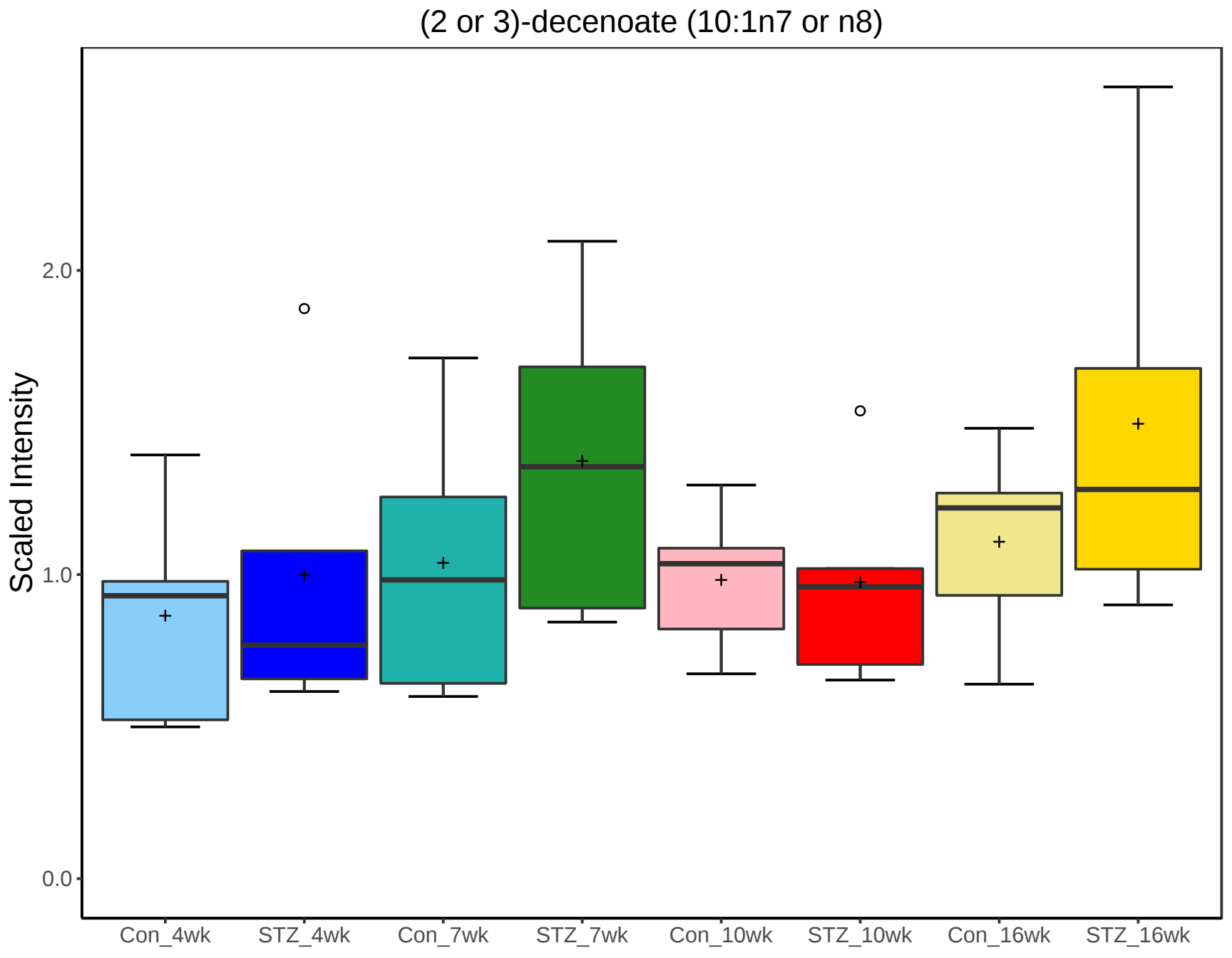

heptanoate (7:0)
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

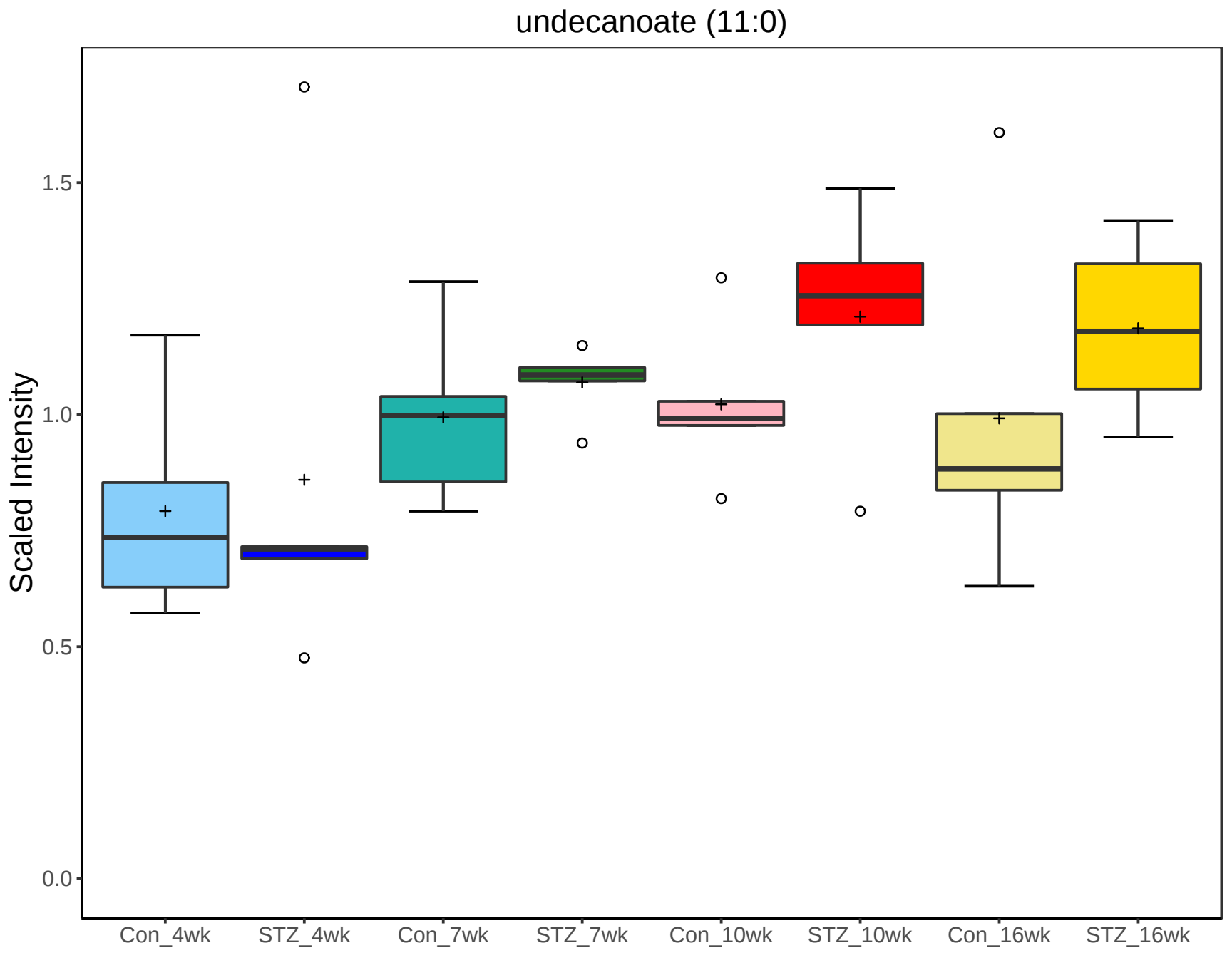

caprylate (8:0)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

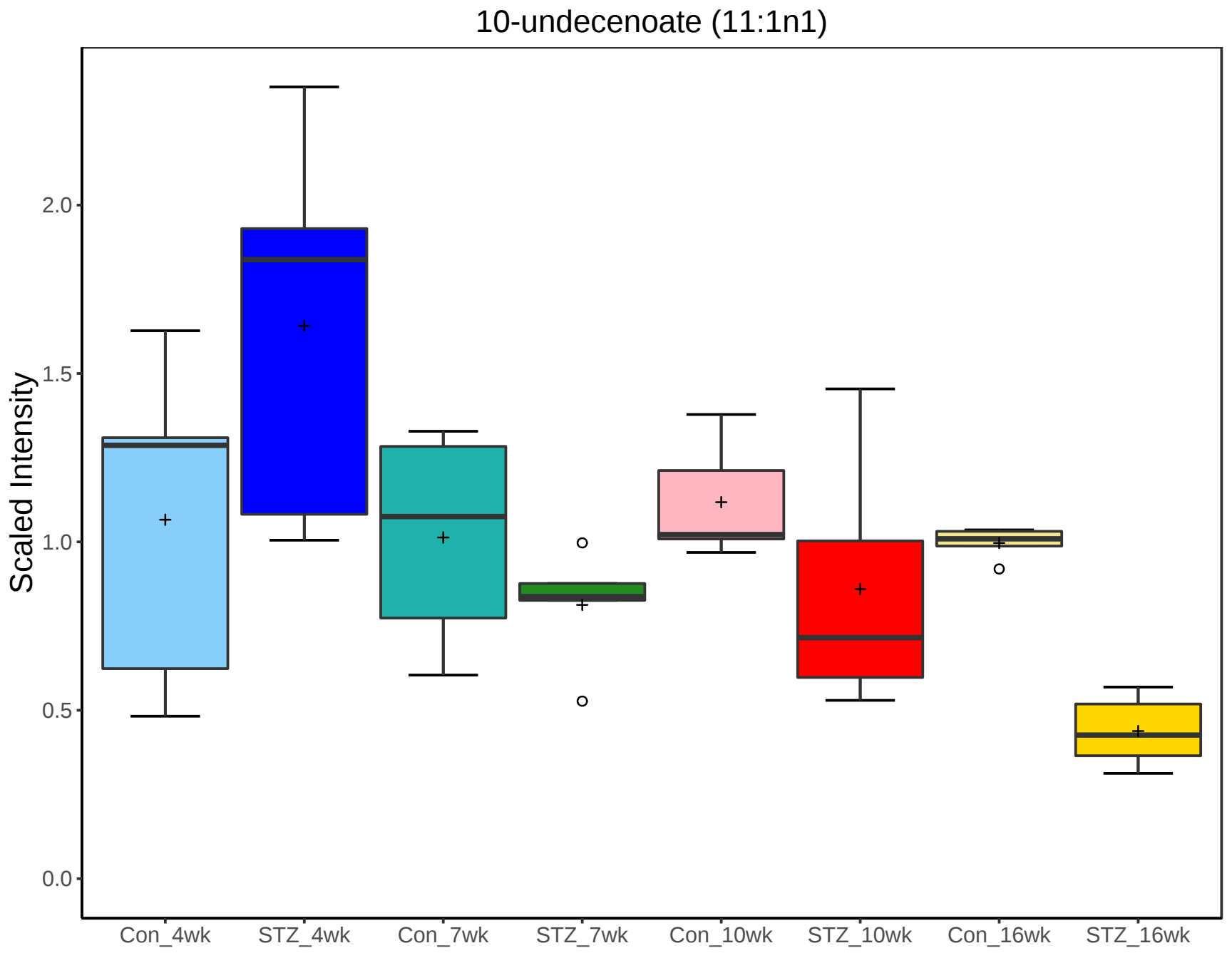

pelargonate (9:0)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

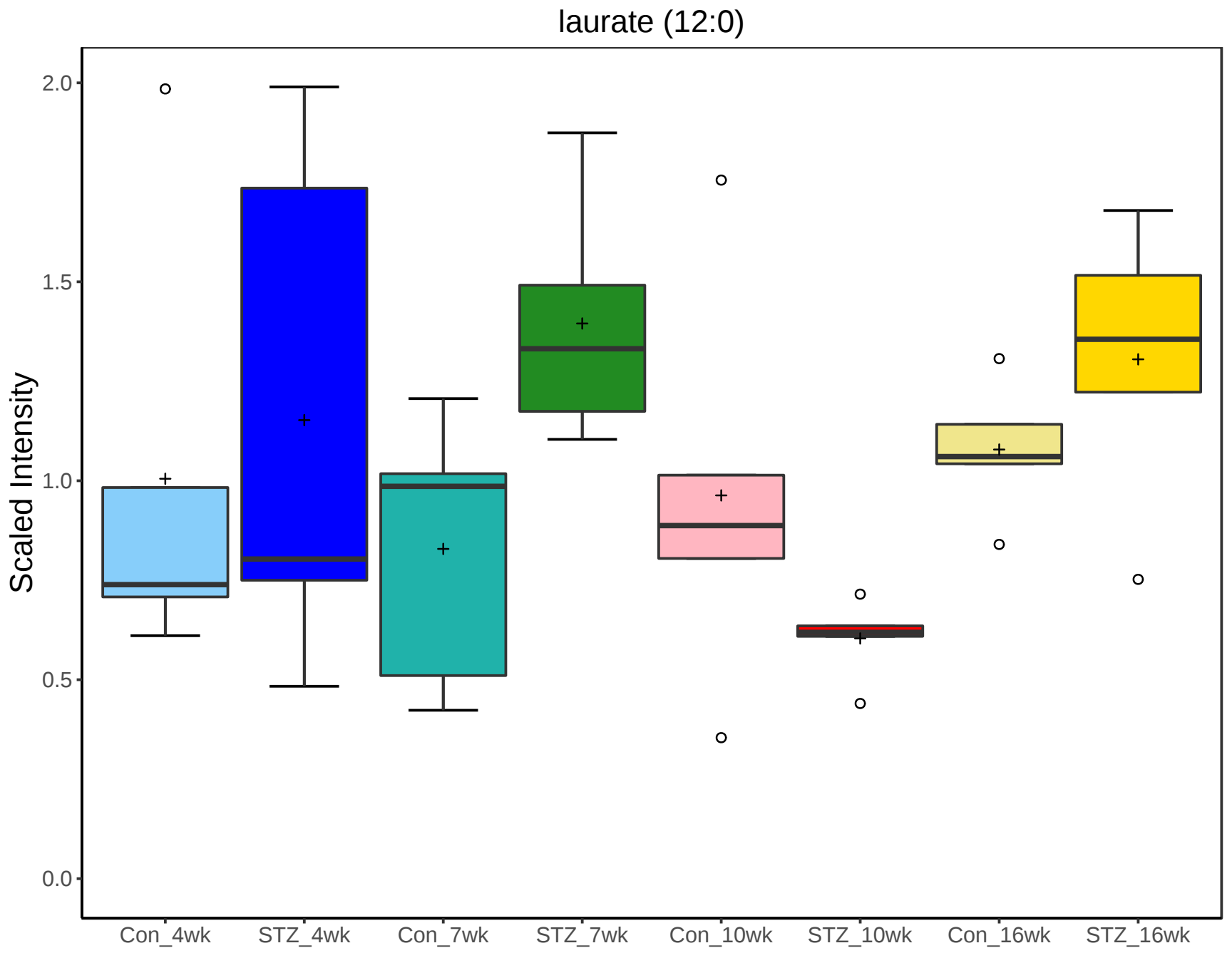

caprate (10:0)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

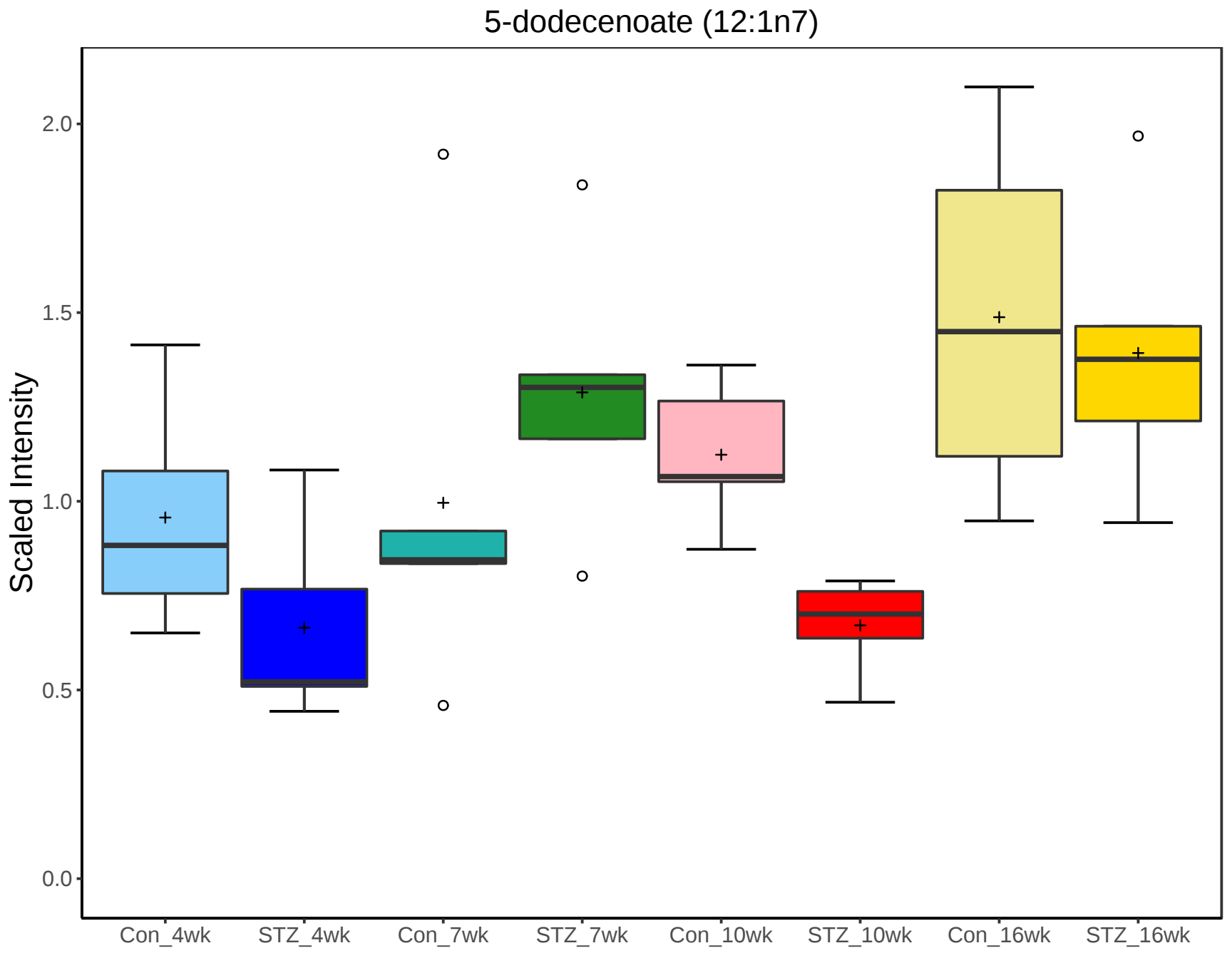

cis-4-decenoate (10:1n6)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

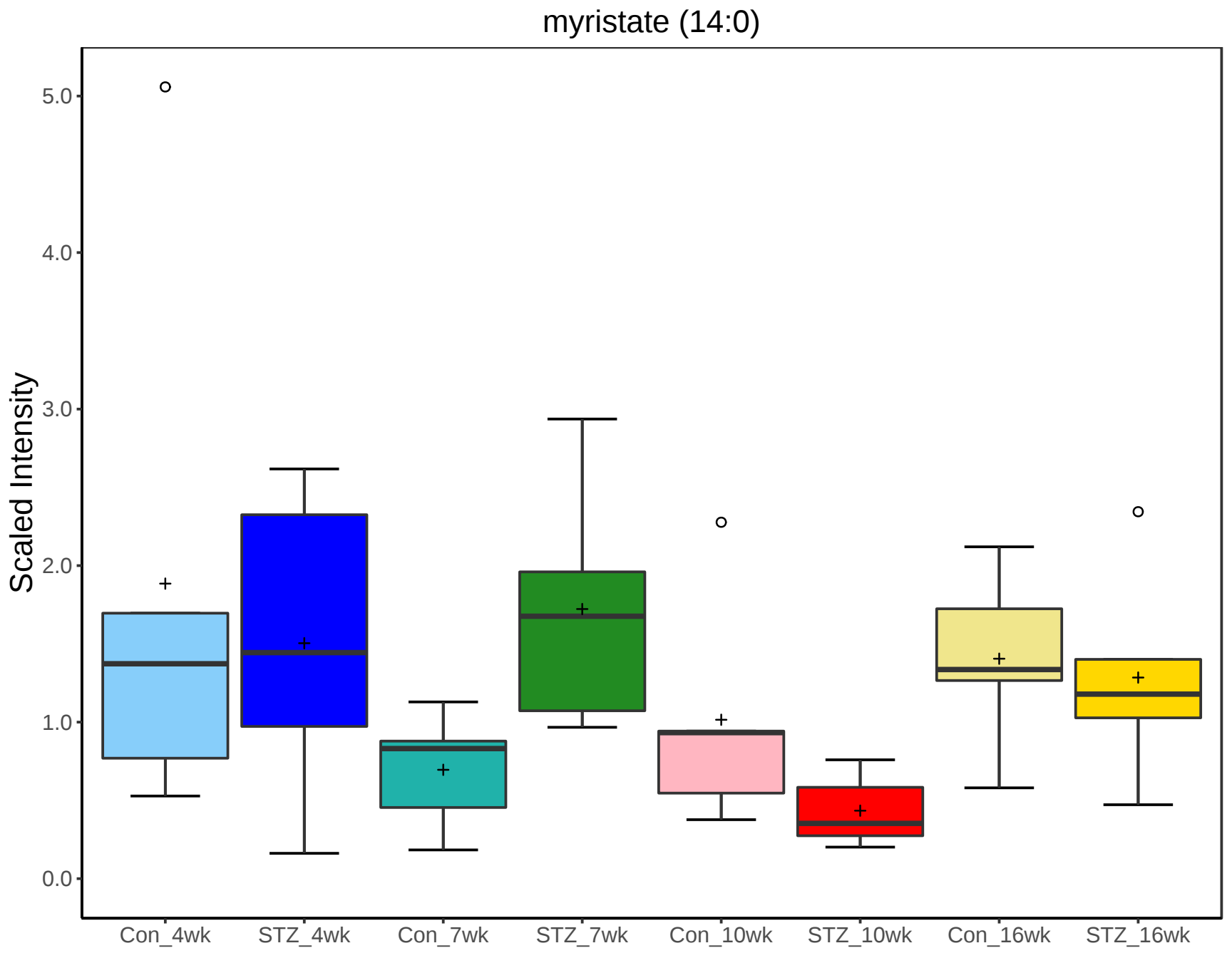

(2 or 3)-decenoate (10:1n7 or n8)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

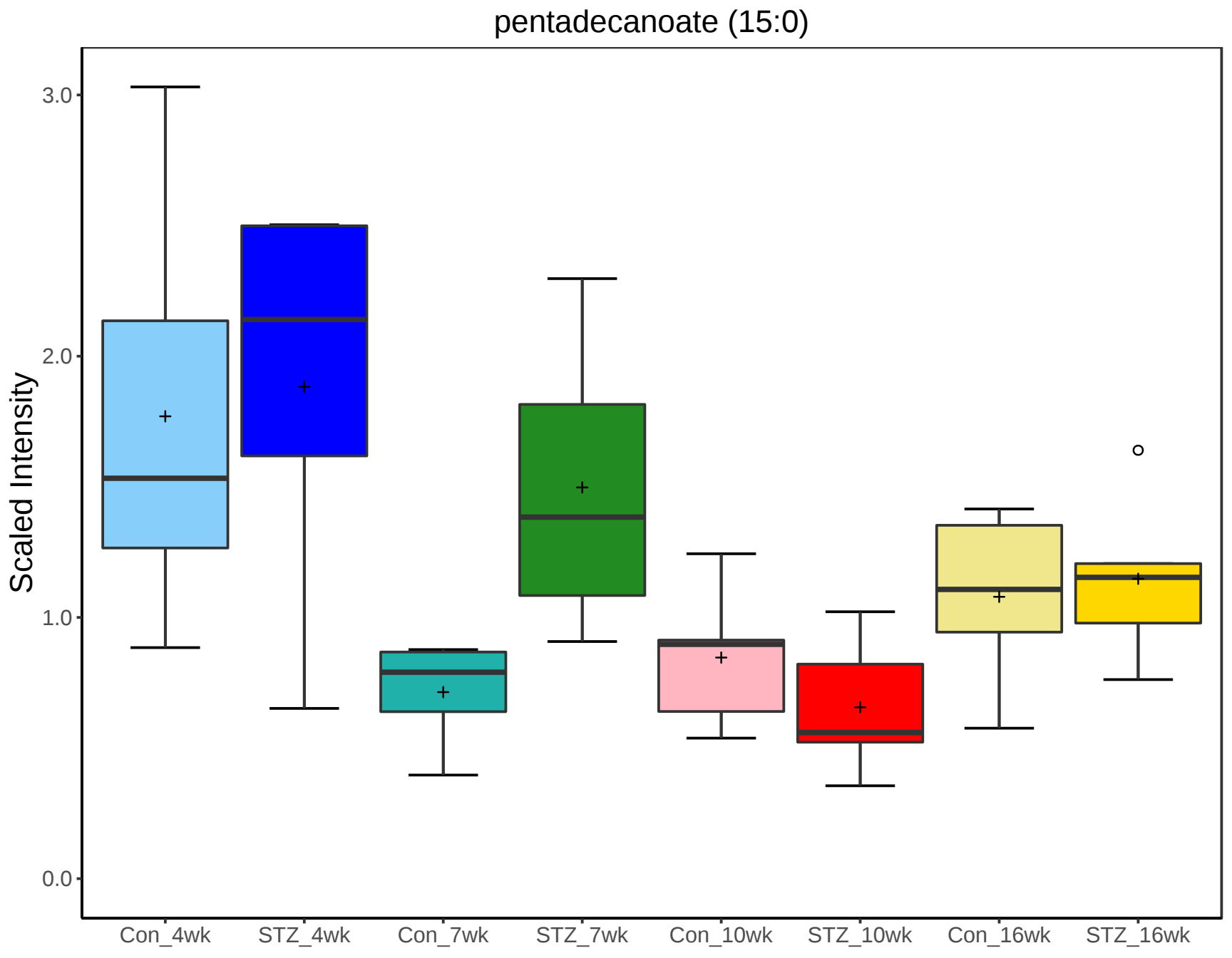

undecanoate (11:0)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

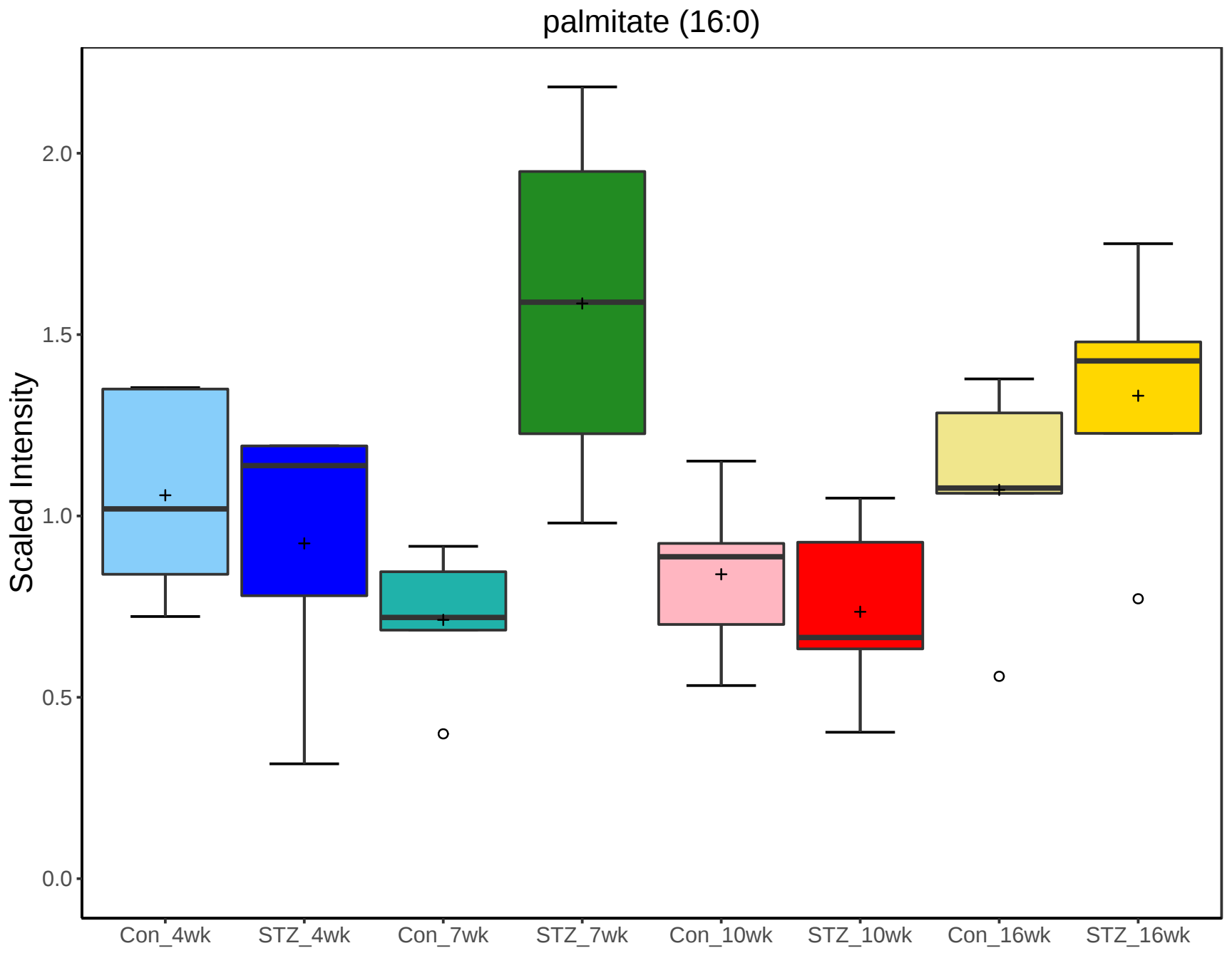

10-undecenoate (11:1n1)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

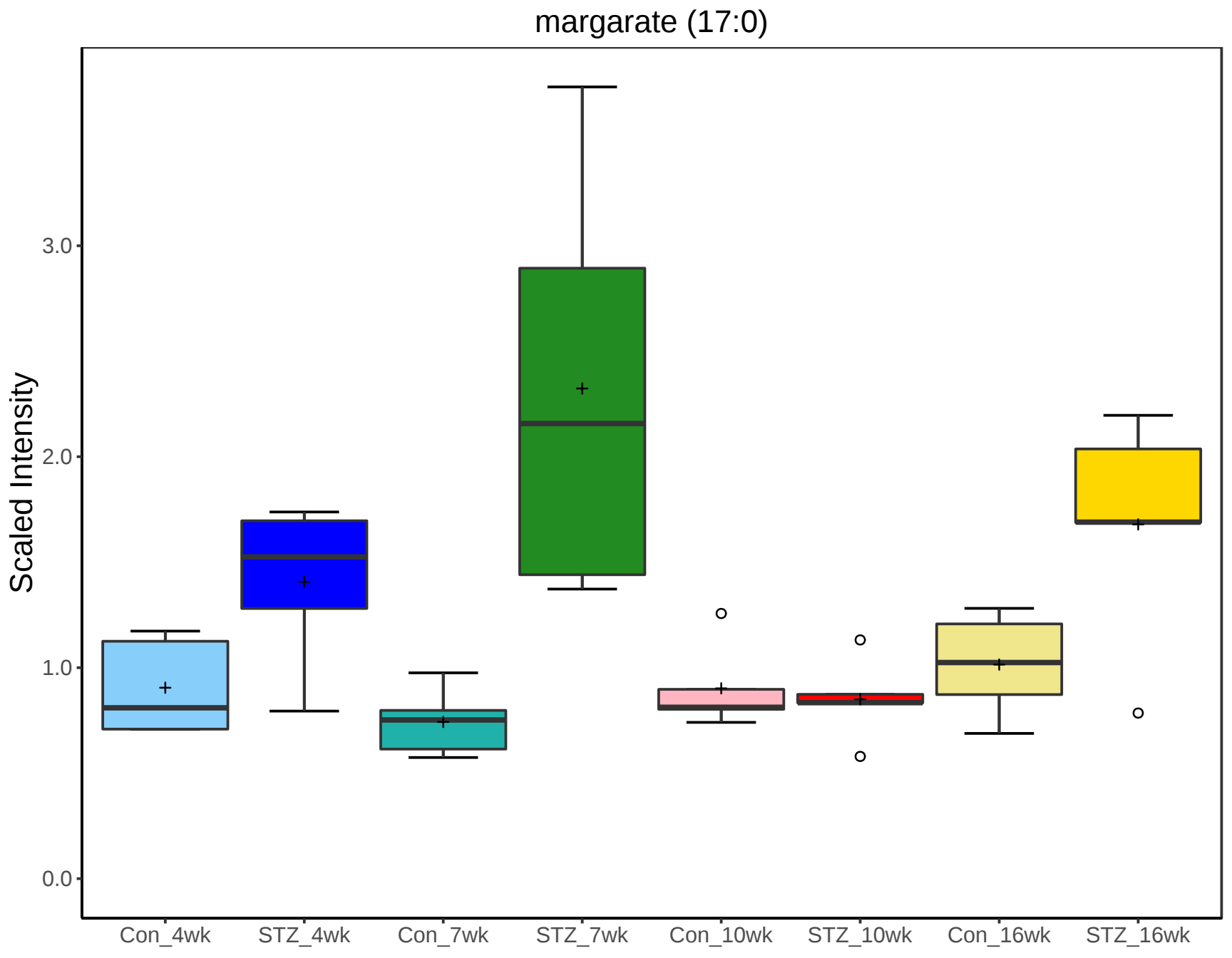

laurate (12:0)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

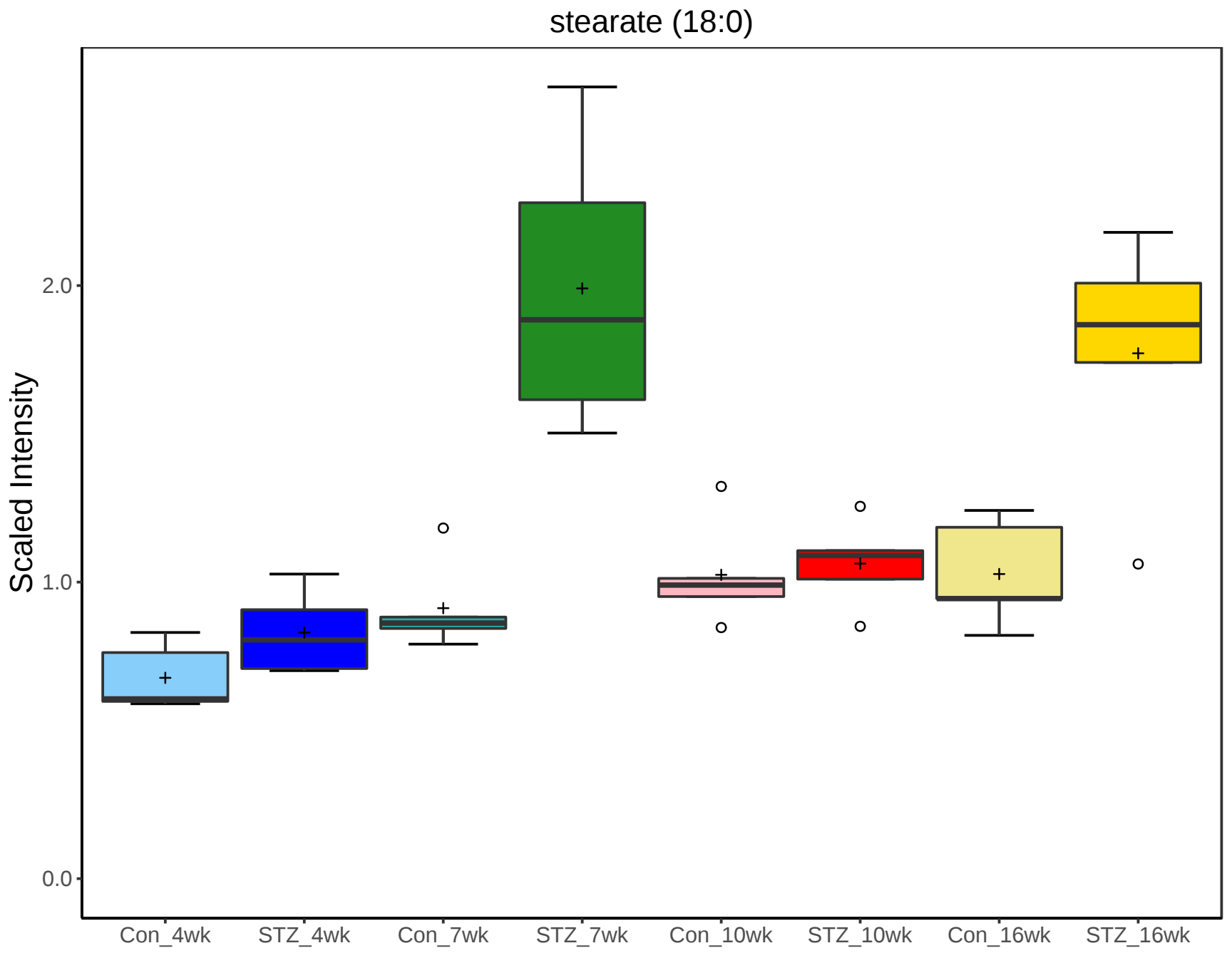

5-dodecenoate (12:1n7)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

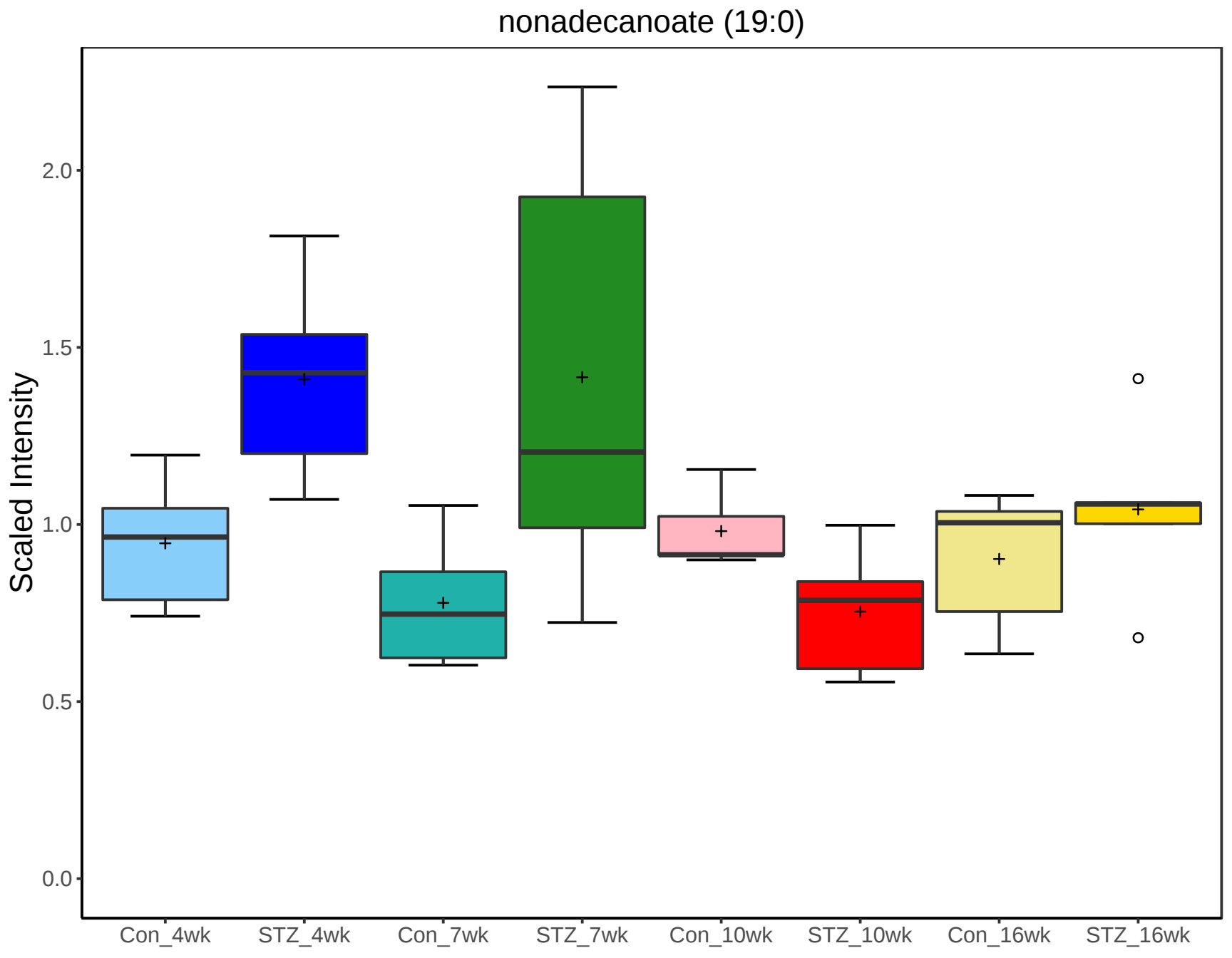

myristate (14:0)
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

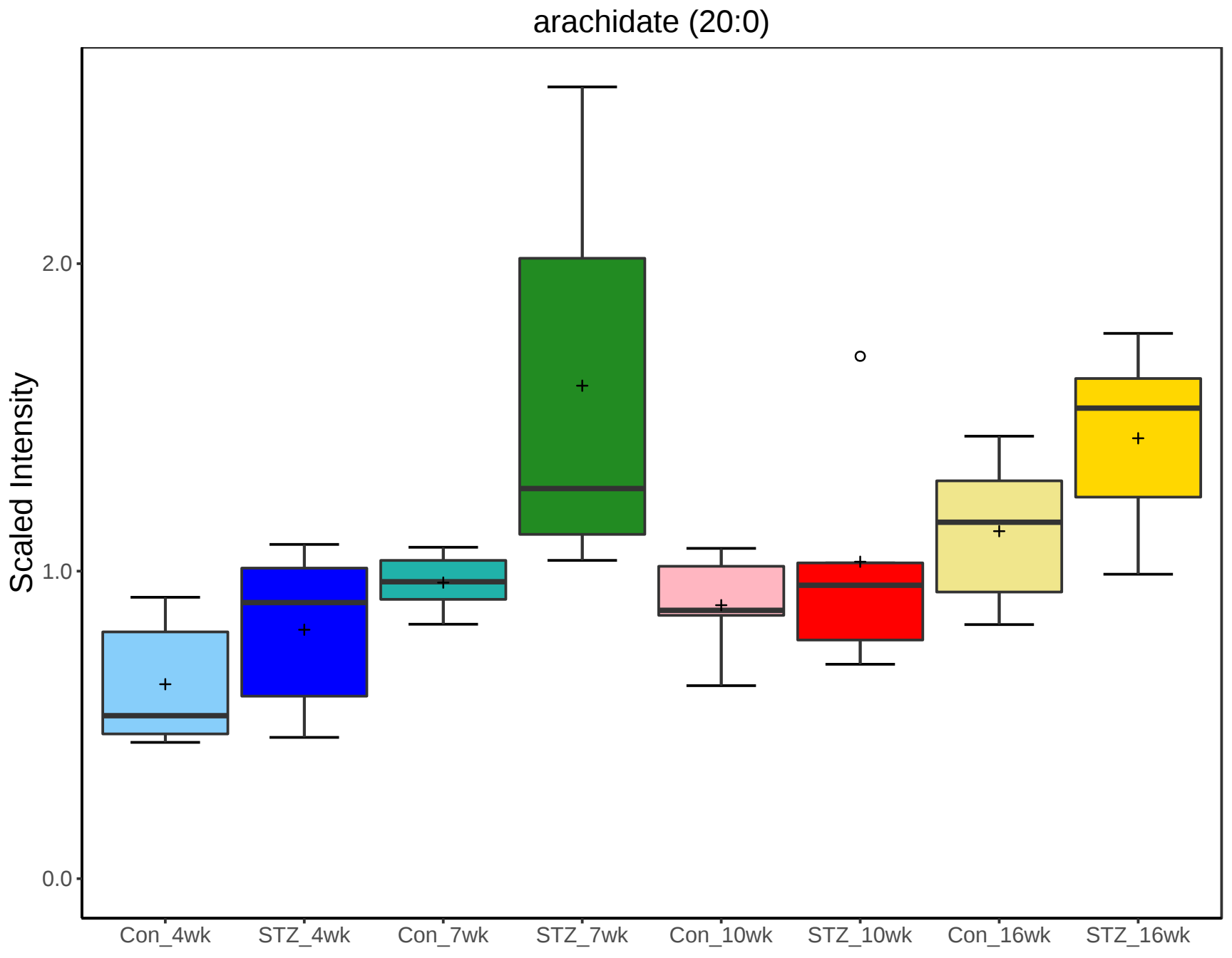

pentadecanoate (15:0)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

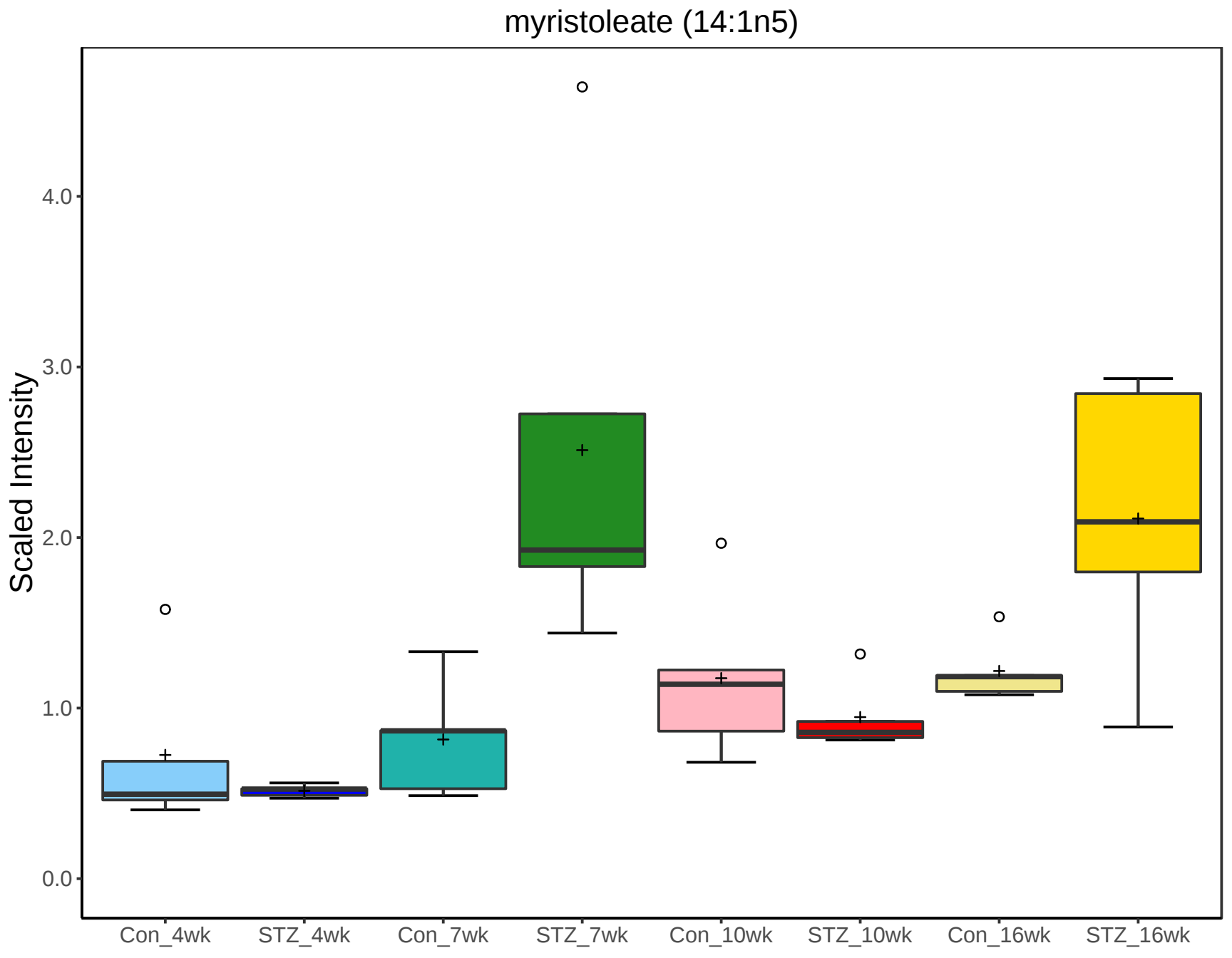

palmitate (16:0)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

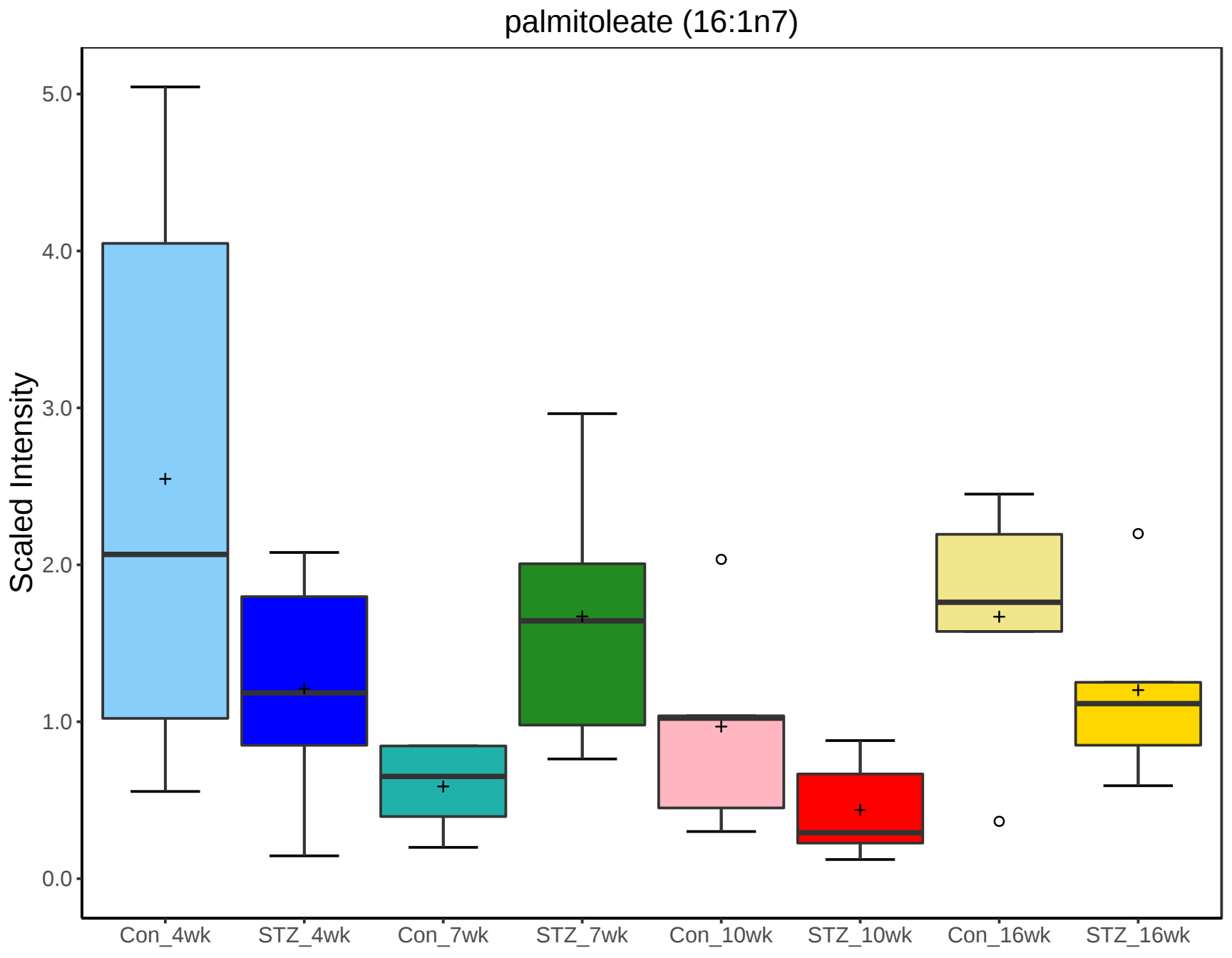

margarate (17:0)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

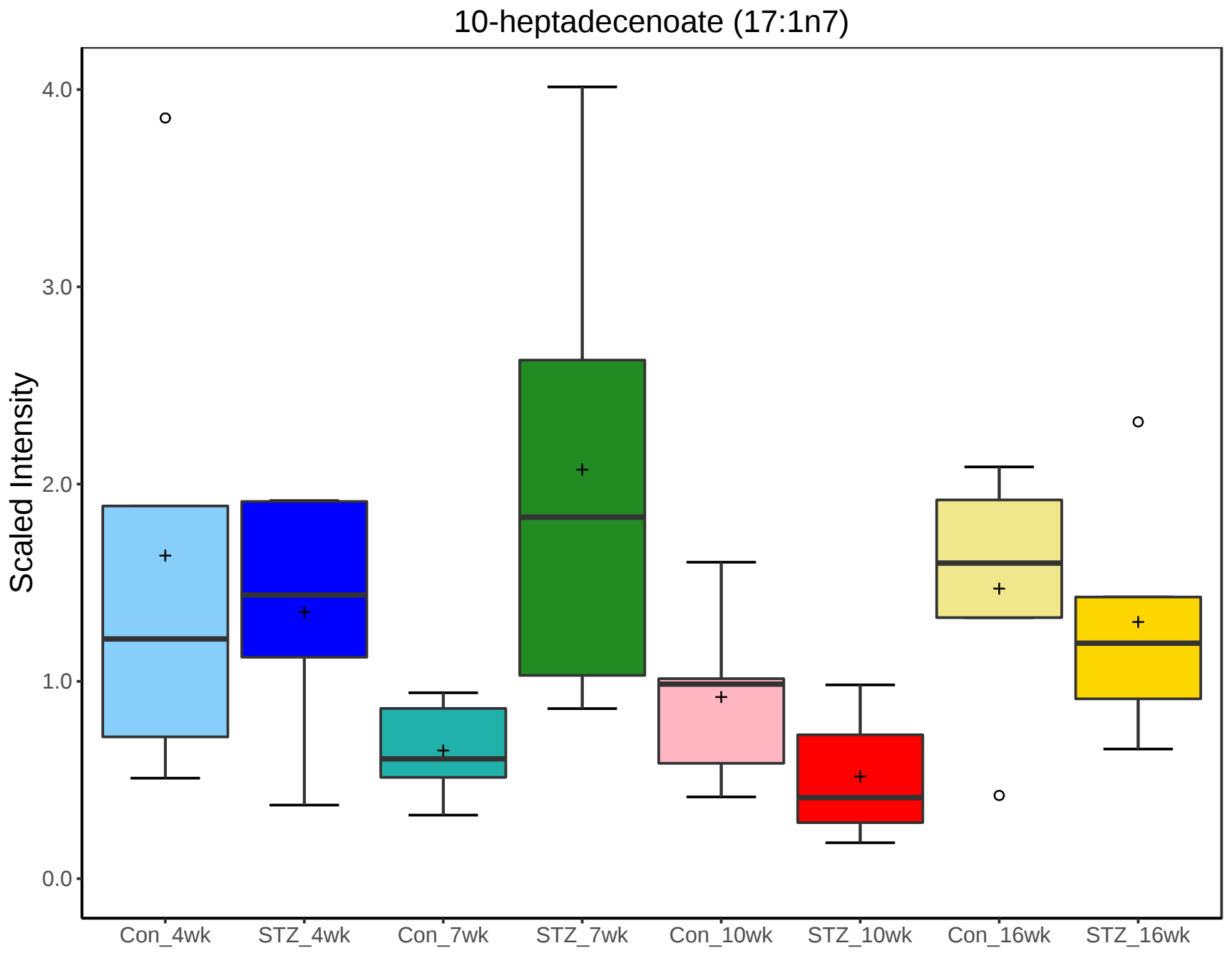

stearate (18:0)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

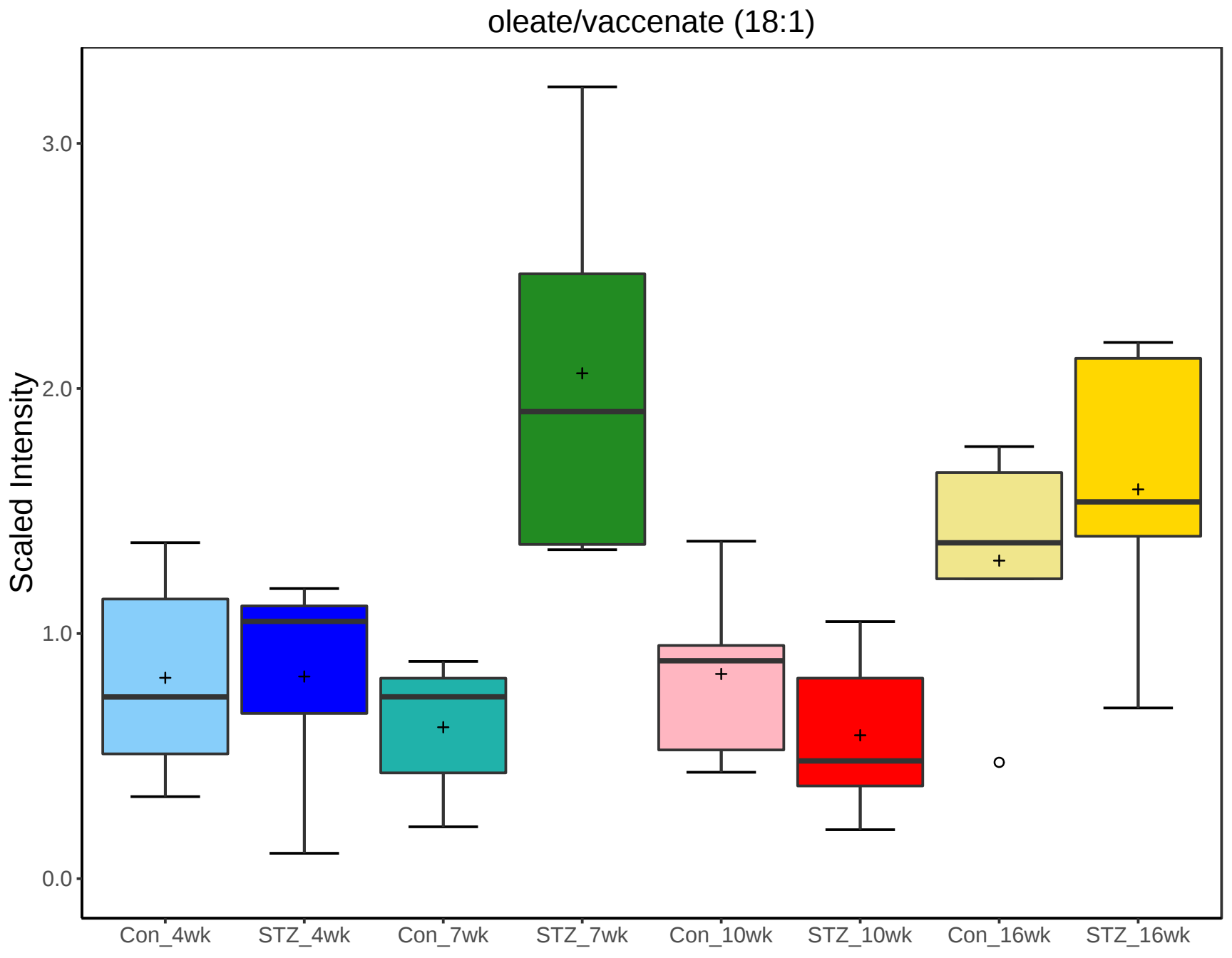

nonadecanoate (19:0)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

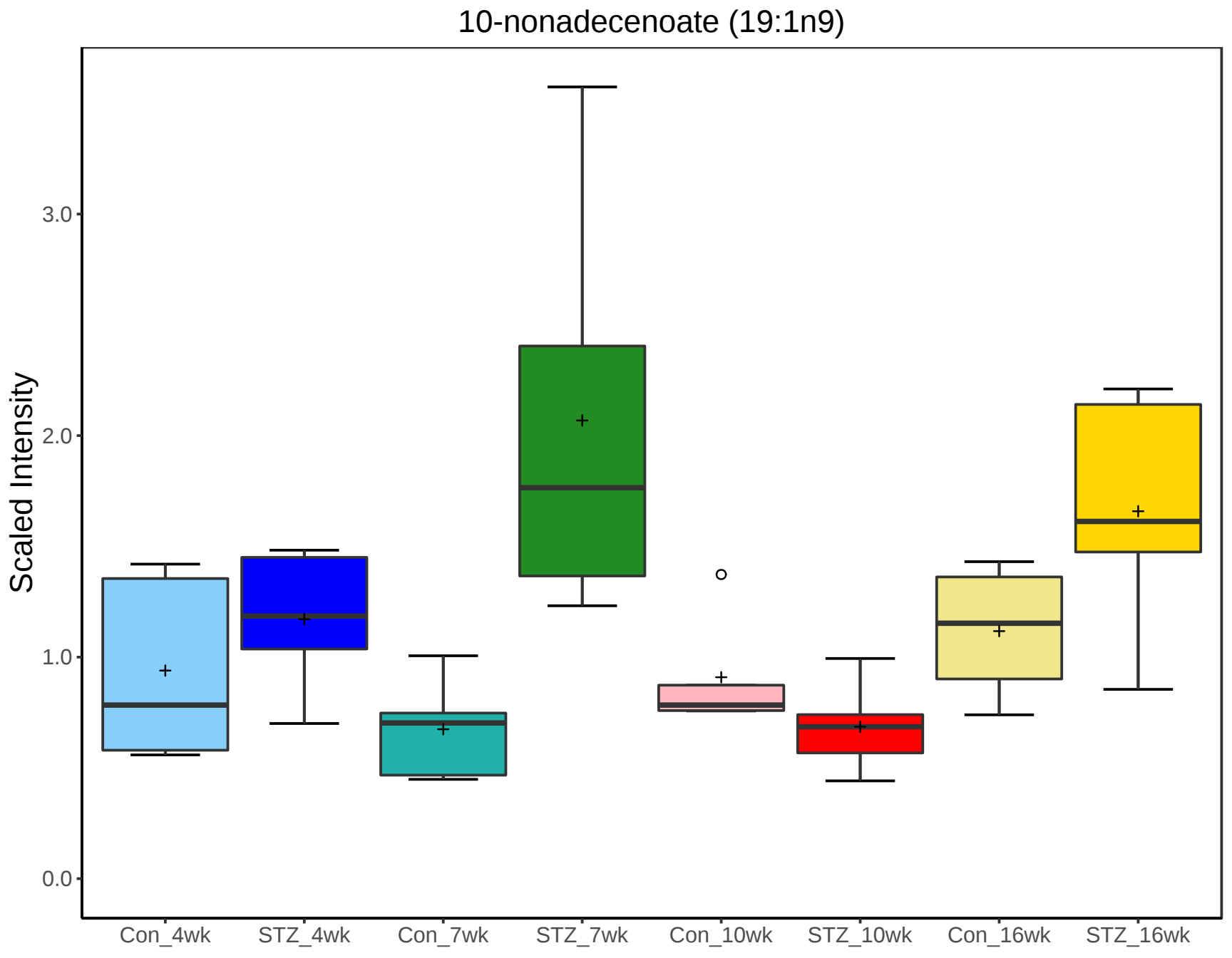

arachidate (20:0)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

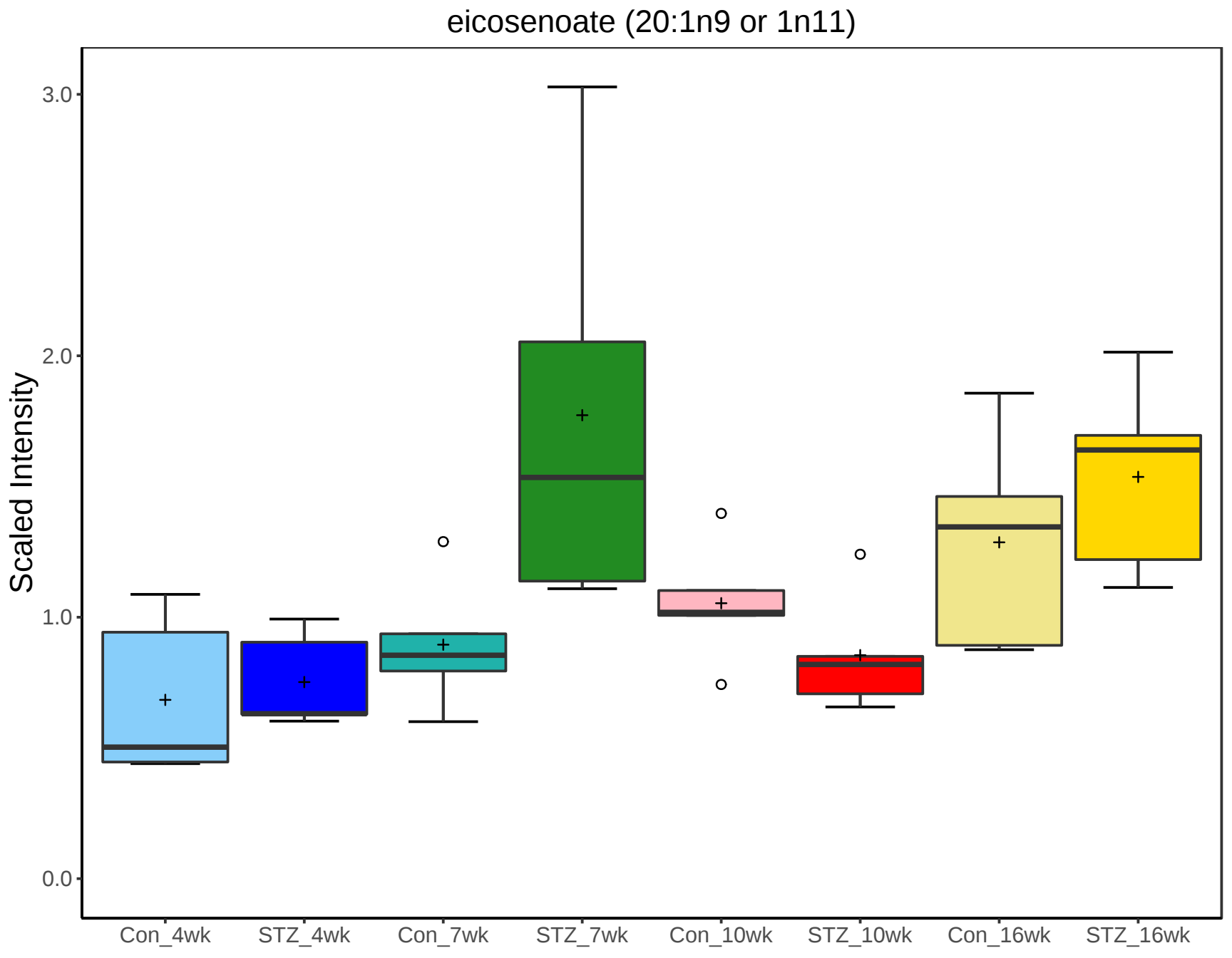

myristoleate (14:1n5)
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

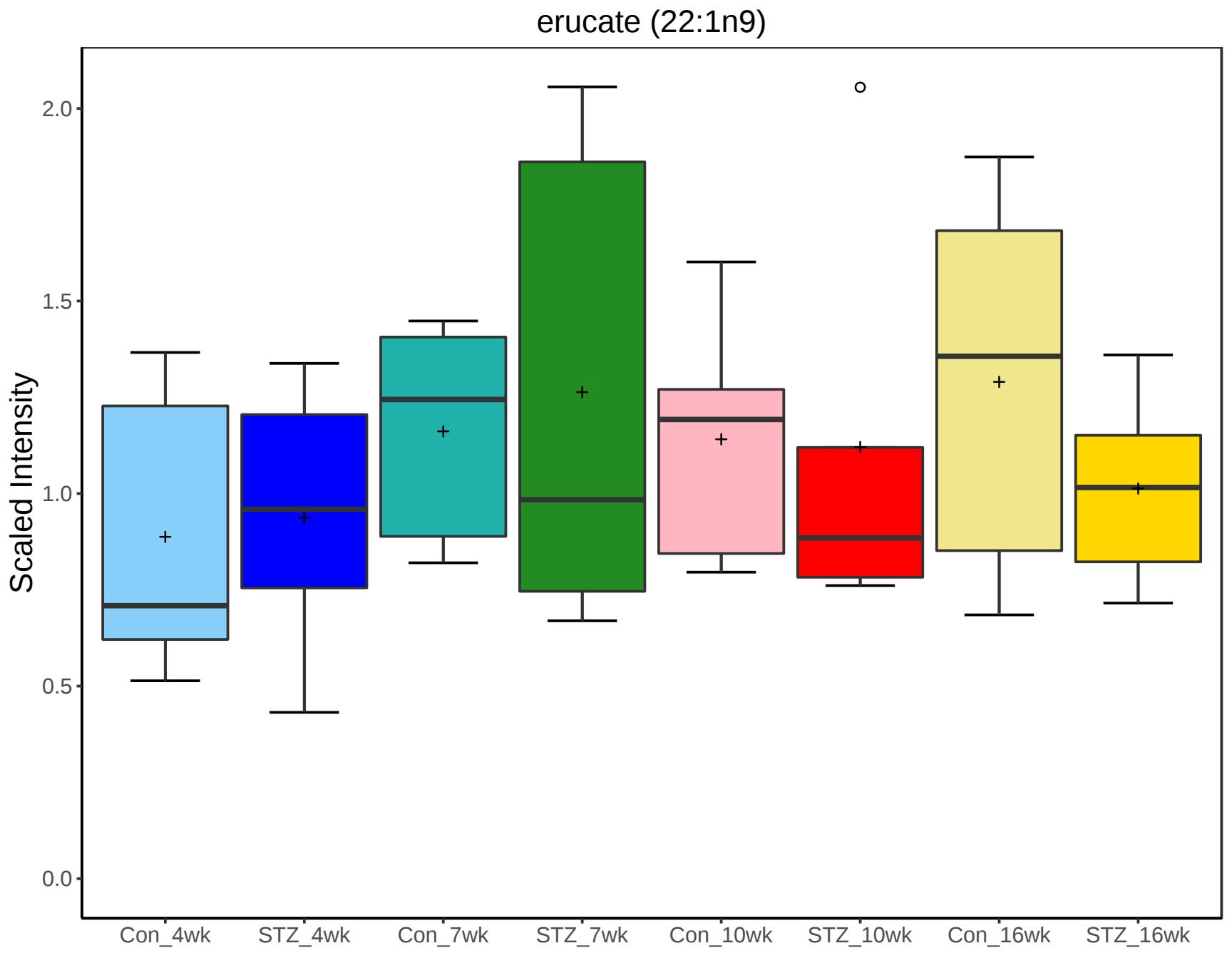

palmitoleate (16:1n7)
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

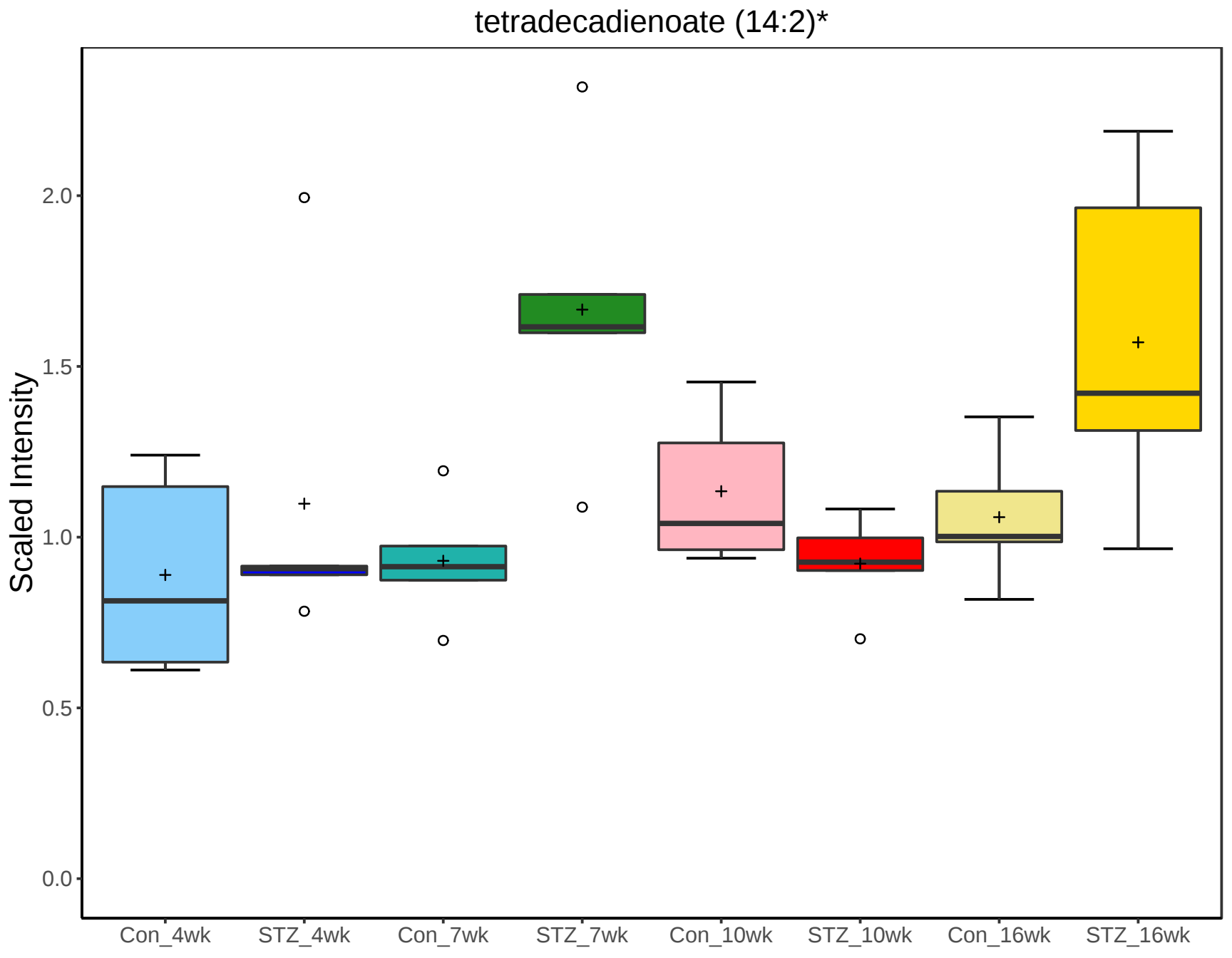

10-heptadecenoate (17:1n7)
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

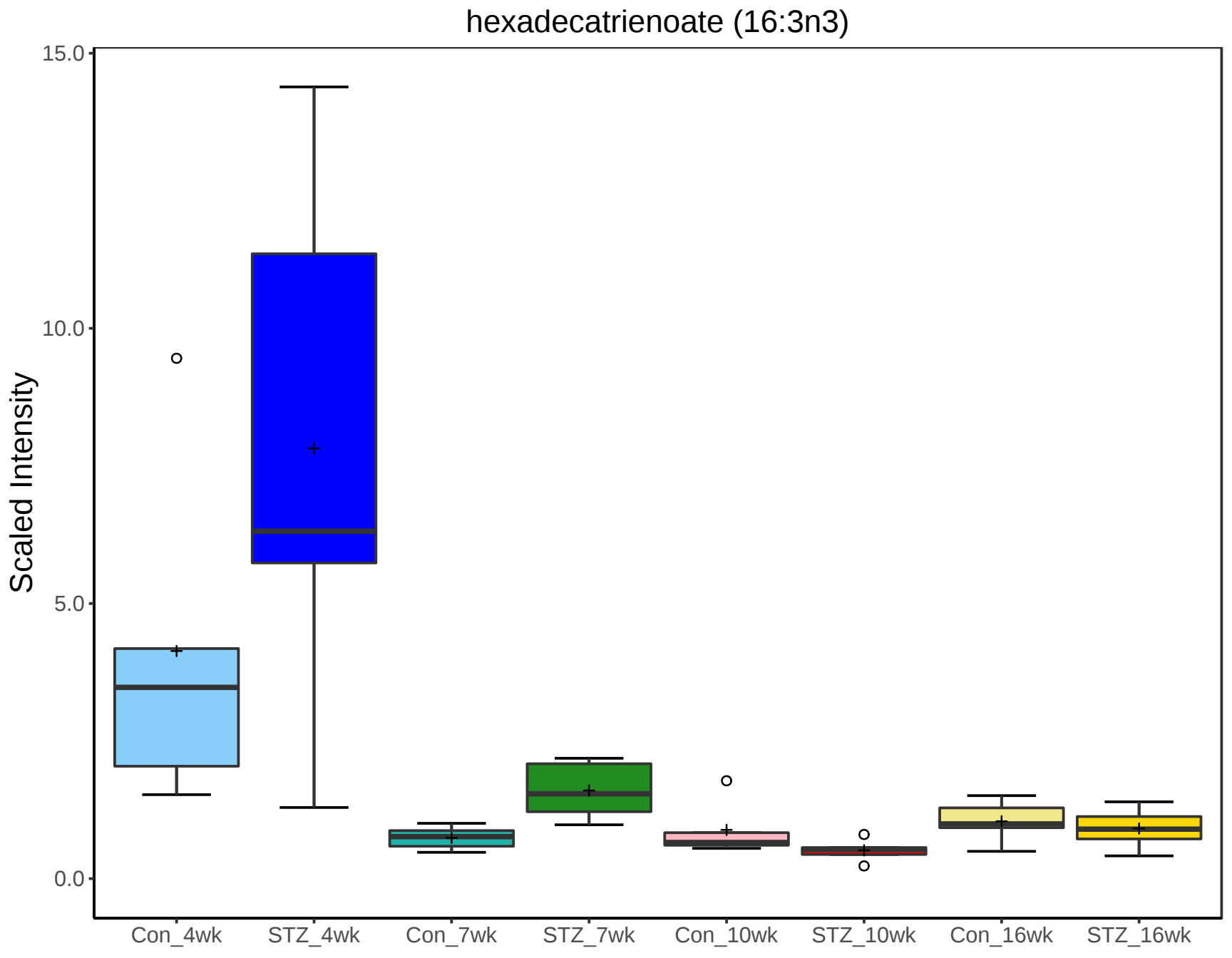

oleate/vaccenate (18:1)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

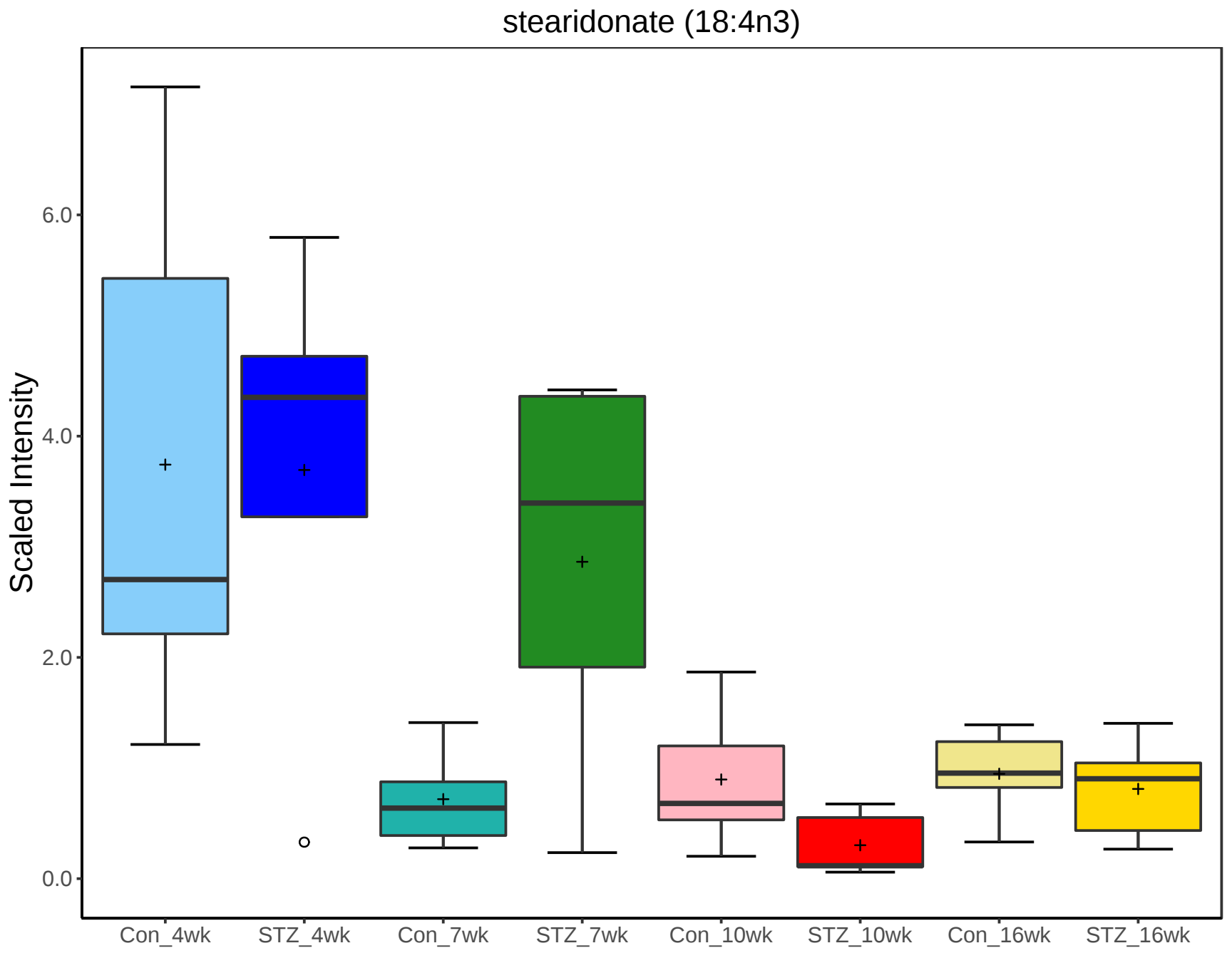

10-nonadecenoate (19:1n9)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

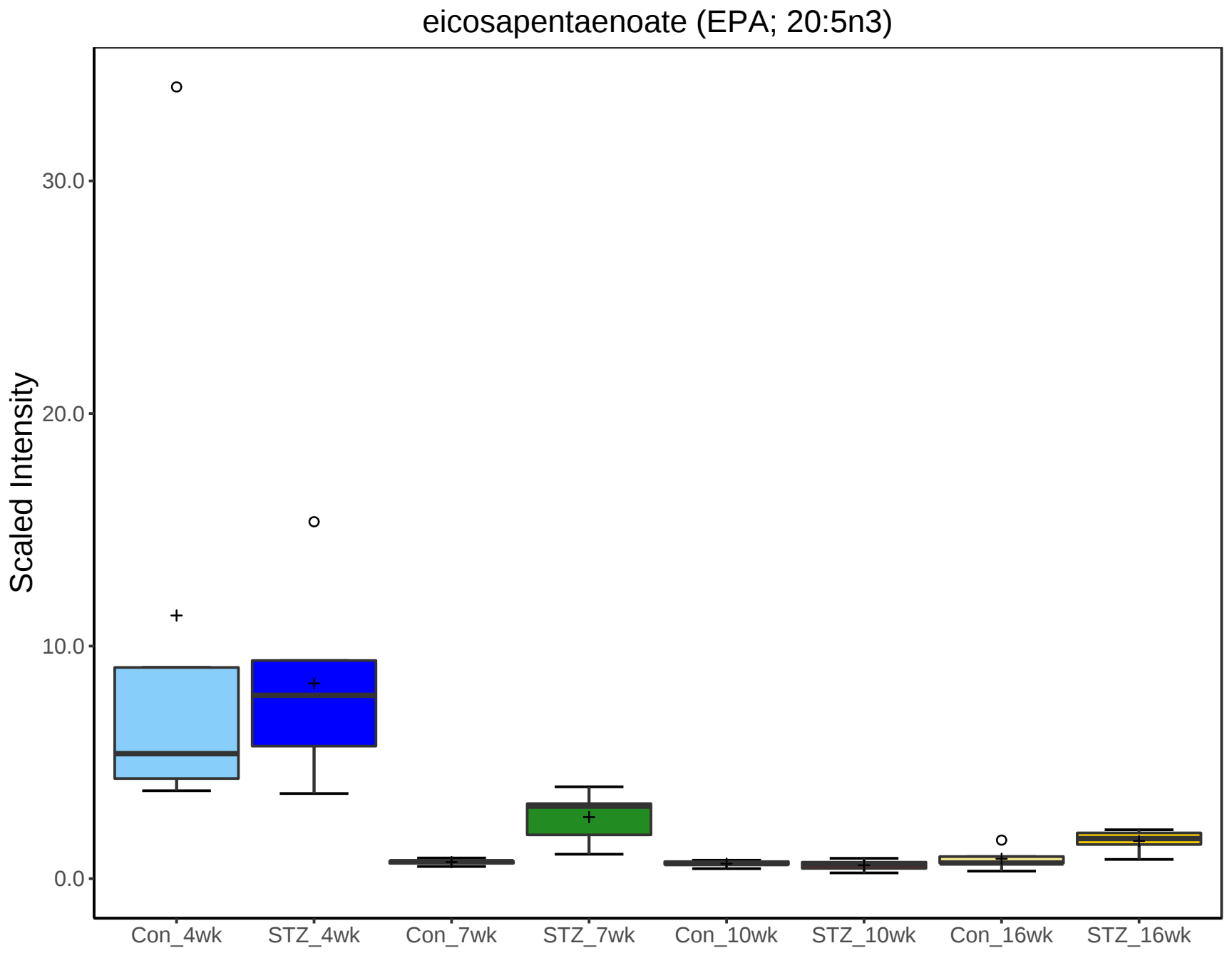

eicosenoate (20:1n9 or 1n11)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

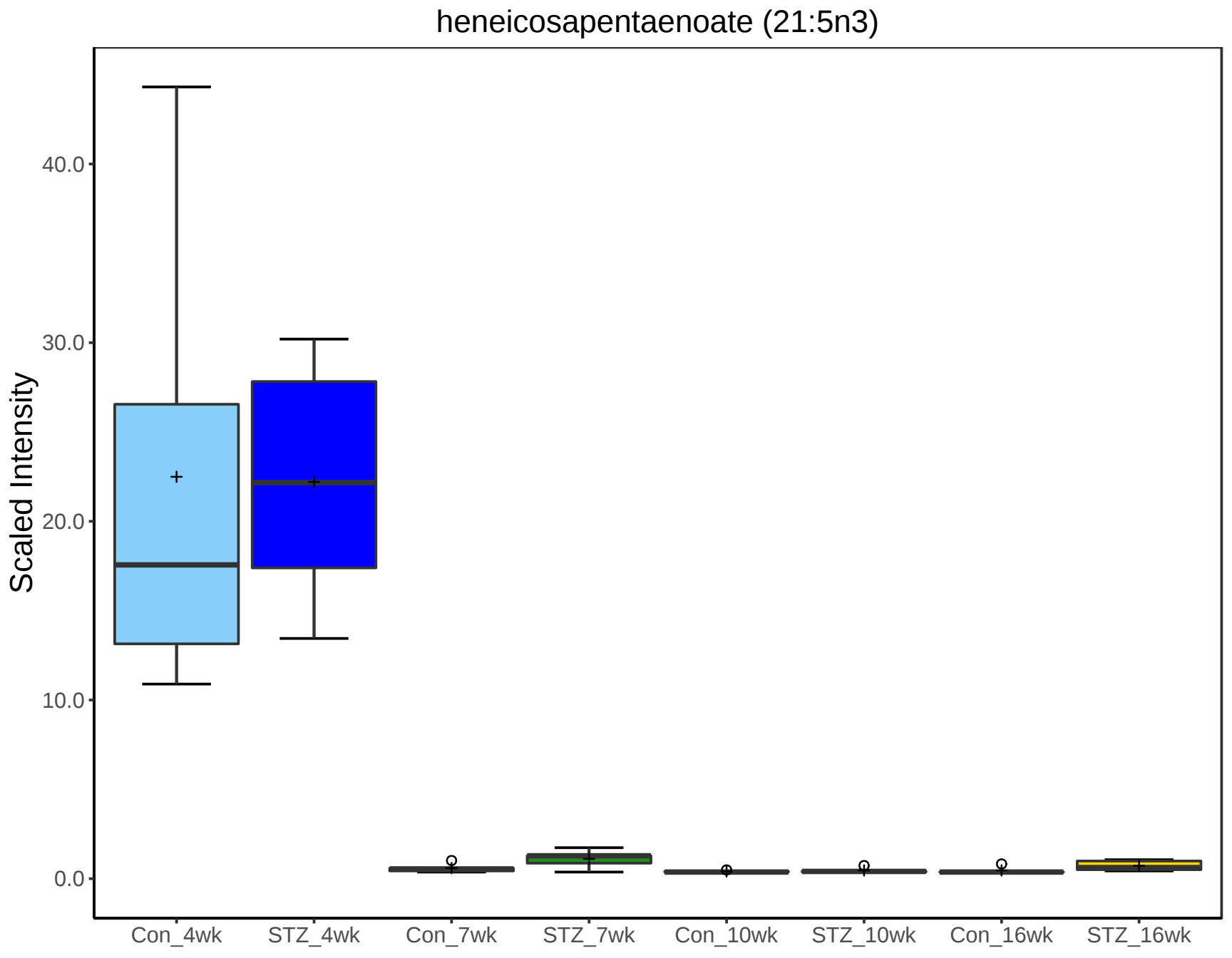

erucate (22:1n9)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

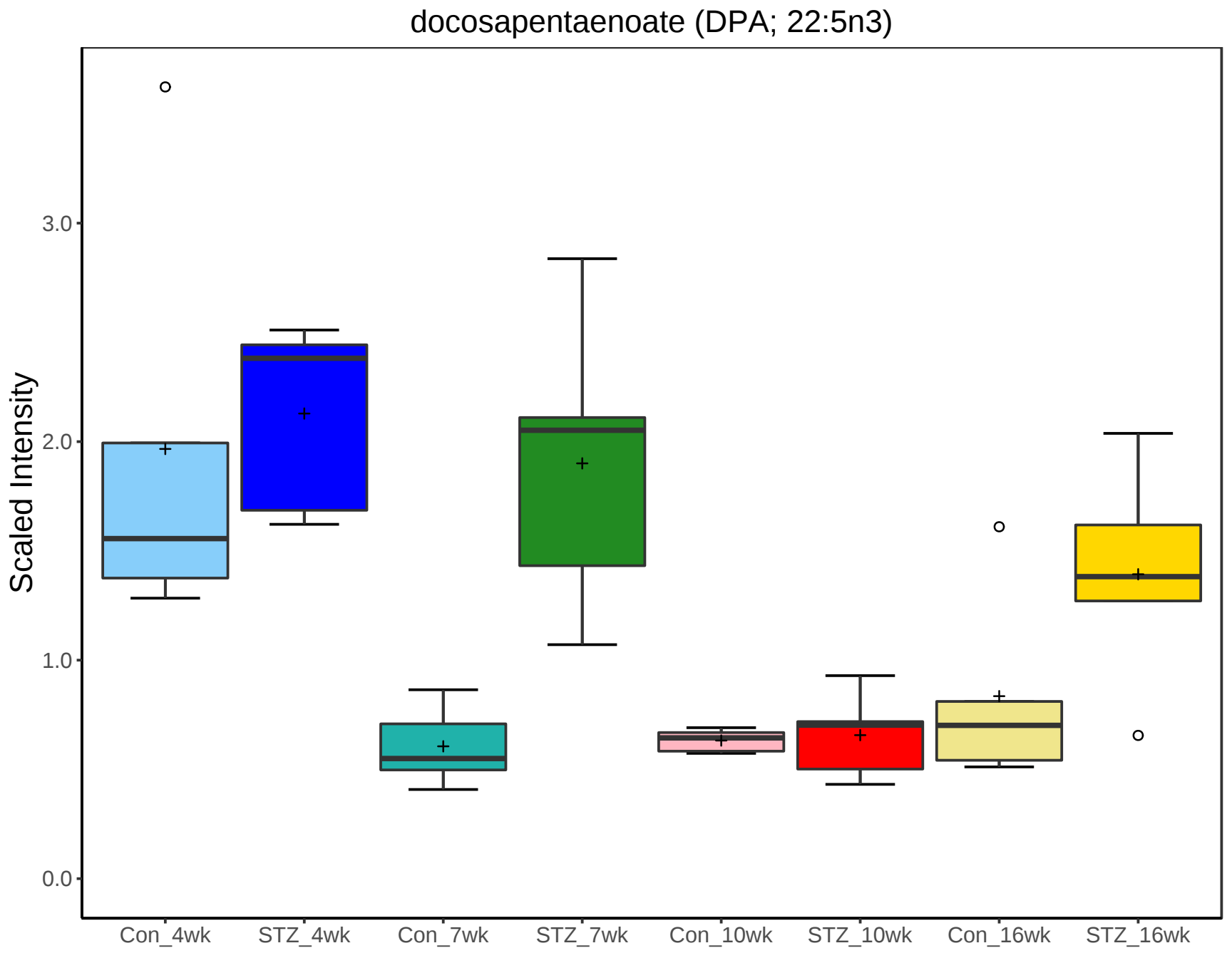

tetradecadienoate (14:2)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

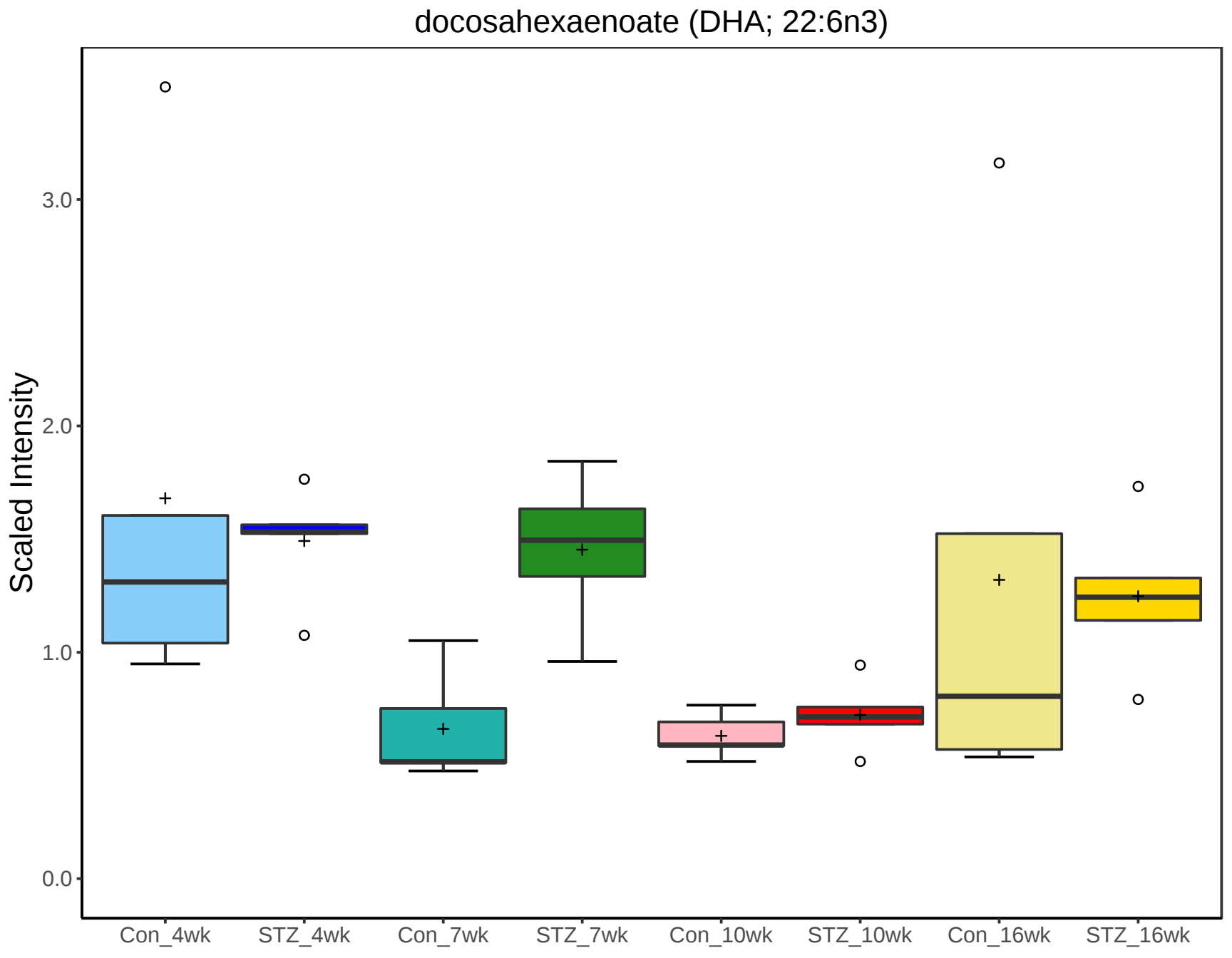

hexadecatrienoate (16:3n3)
Scaled Intensity
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

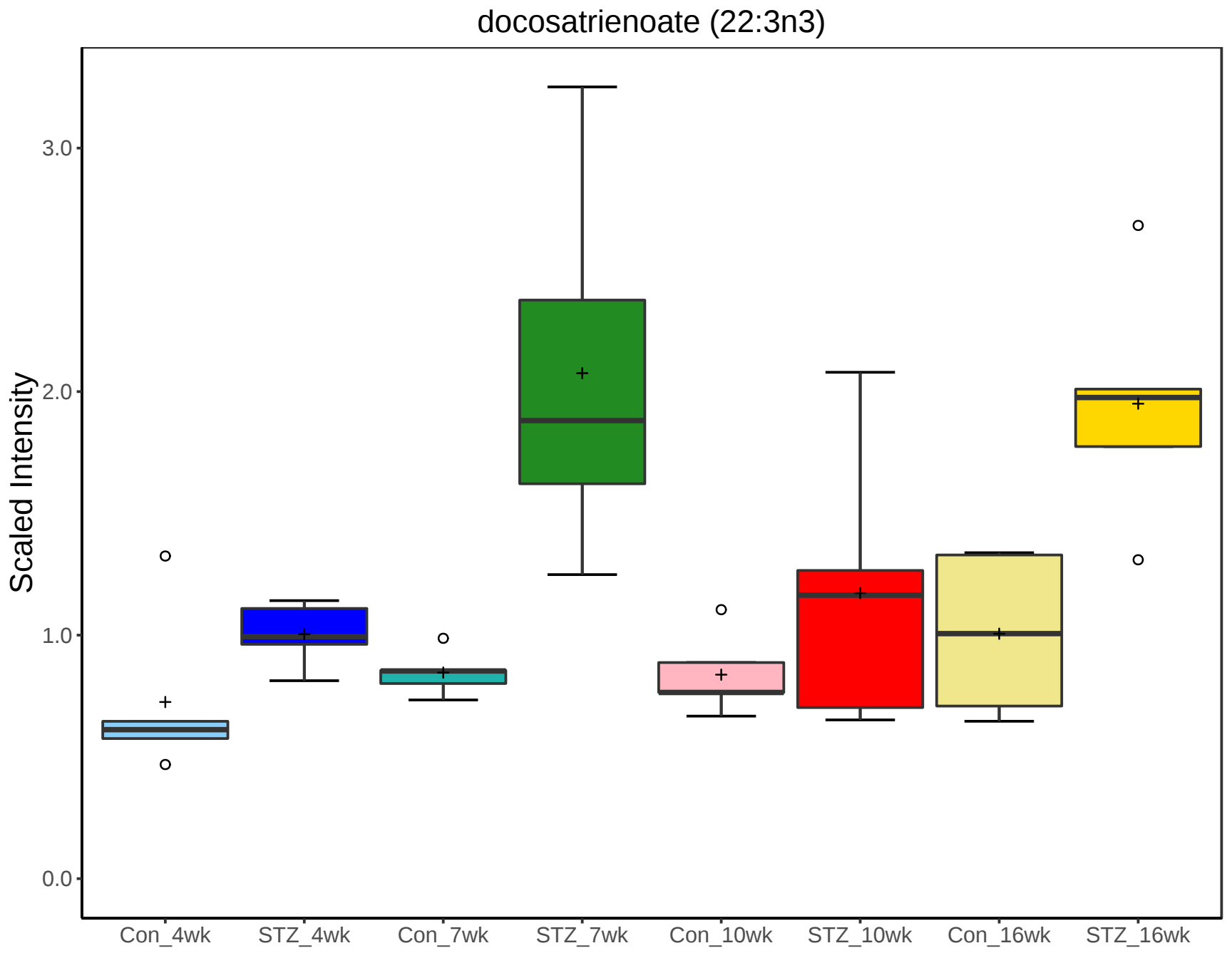

stearidonate (18:4n3)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

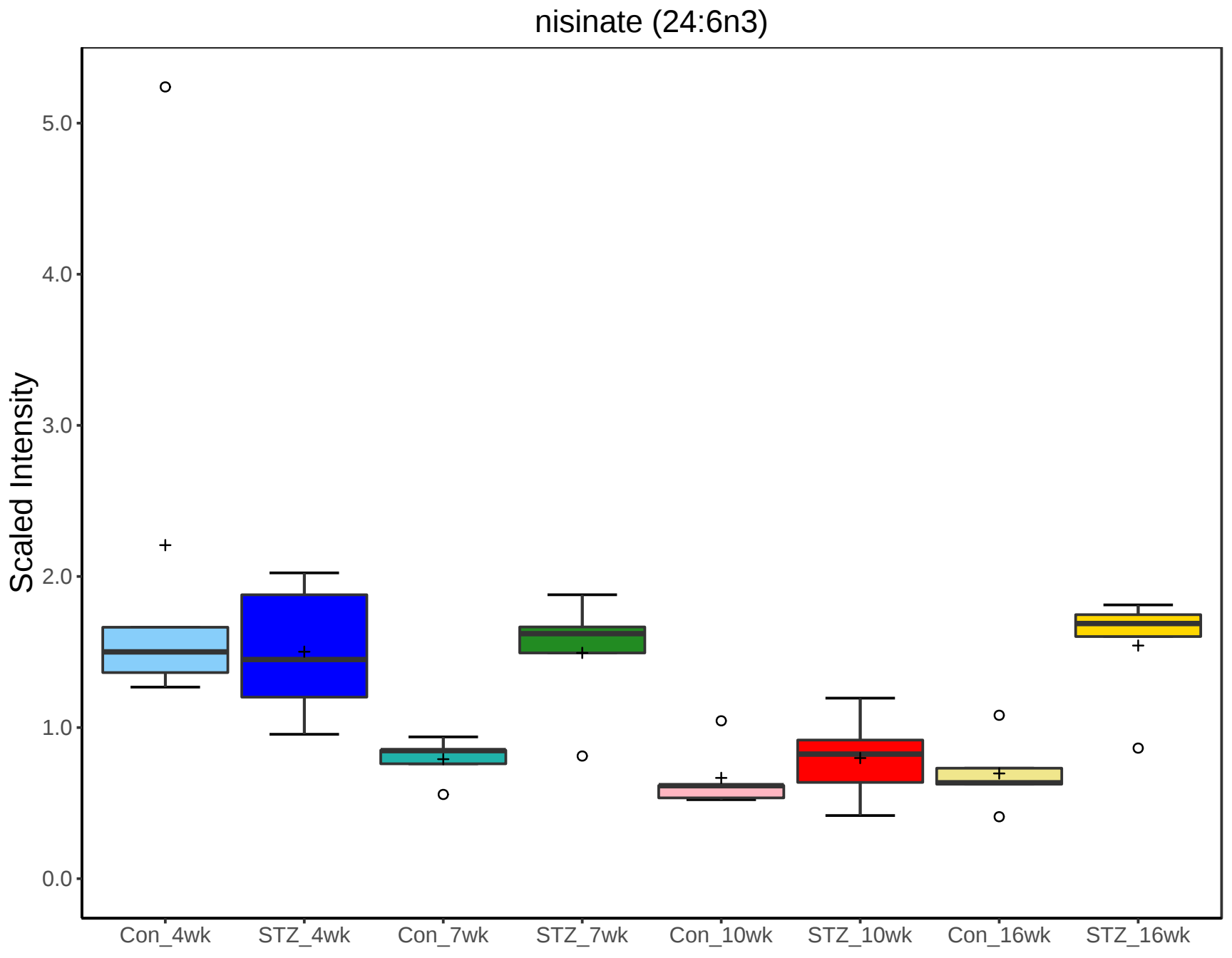

eicosapentaenoate (EPA; 20:5n3)
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

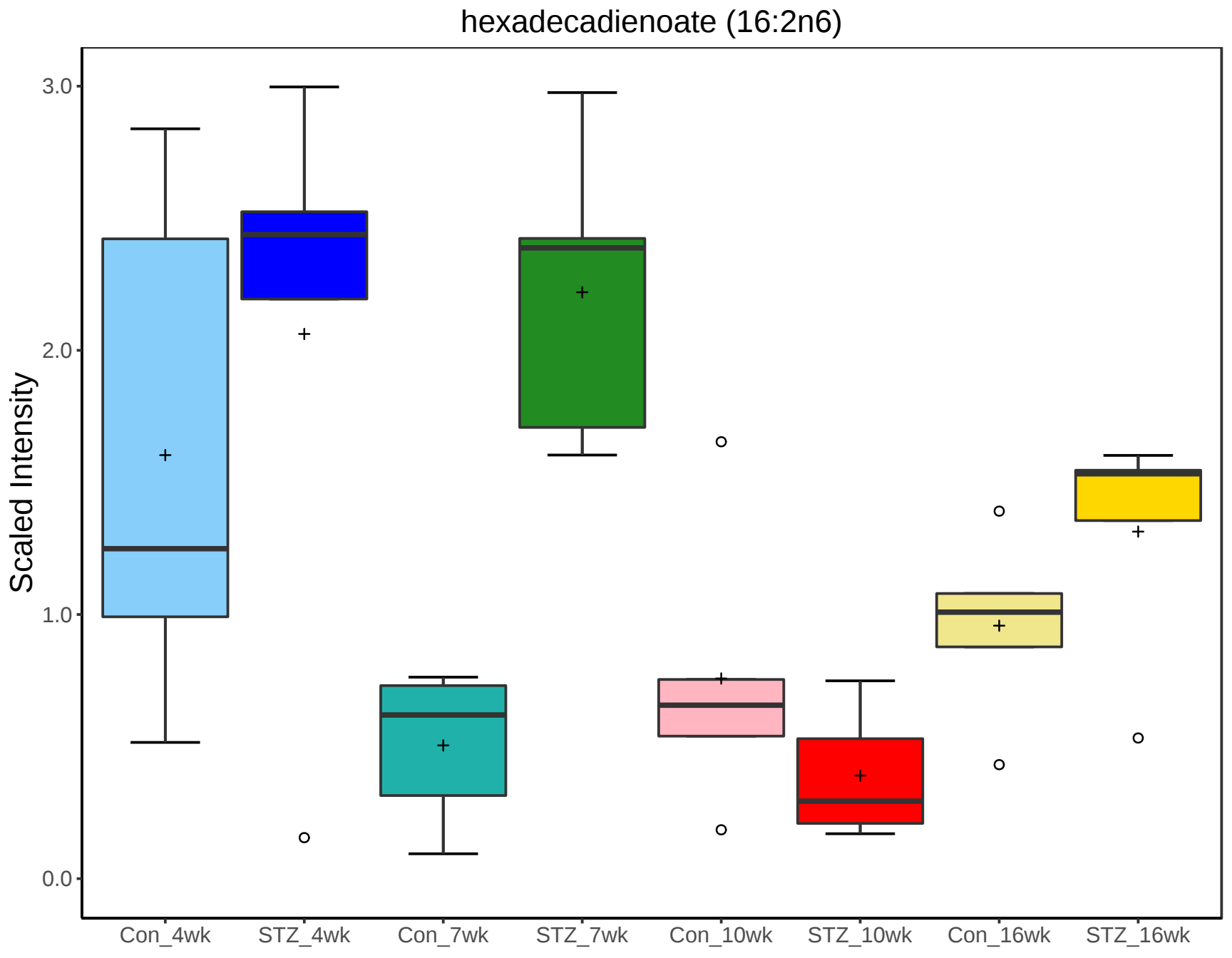

heneicosapentaenoate (21:5n3)
Scaled Intensity
40.0
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

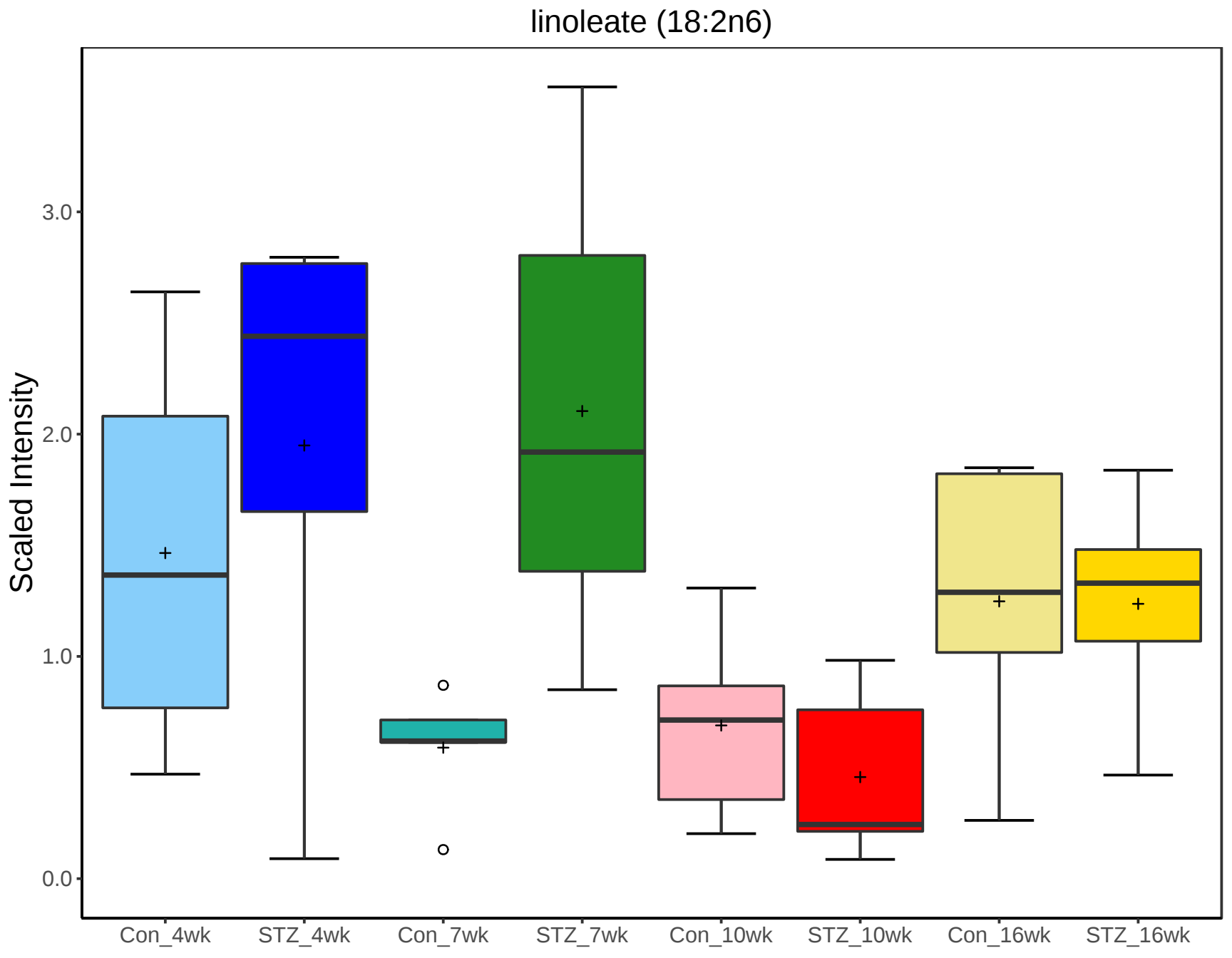

docosapentaenoate (DPA; 22:5n3)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

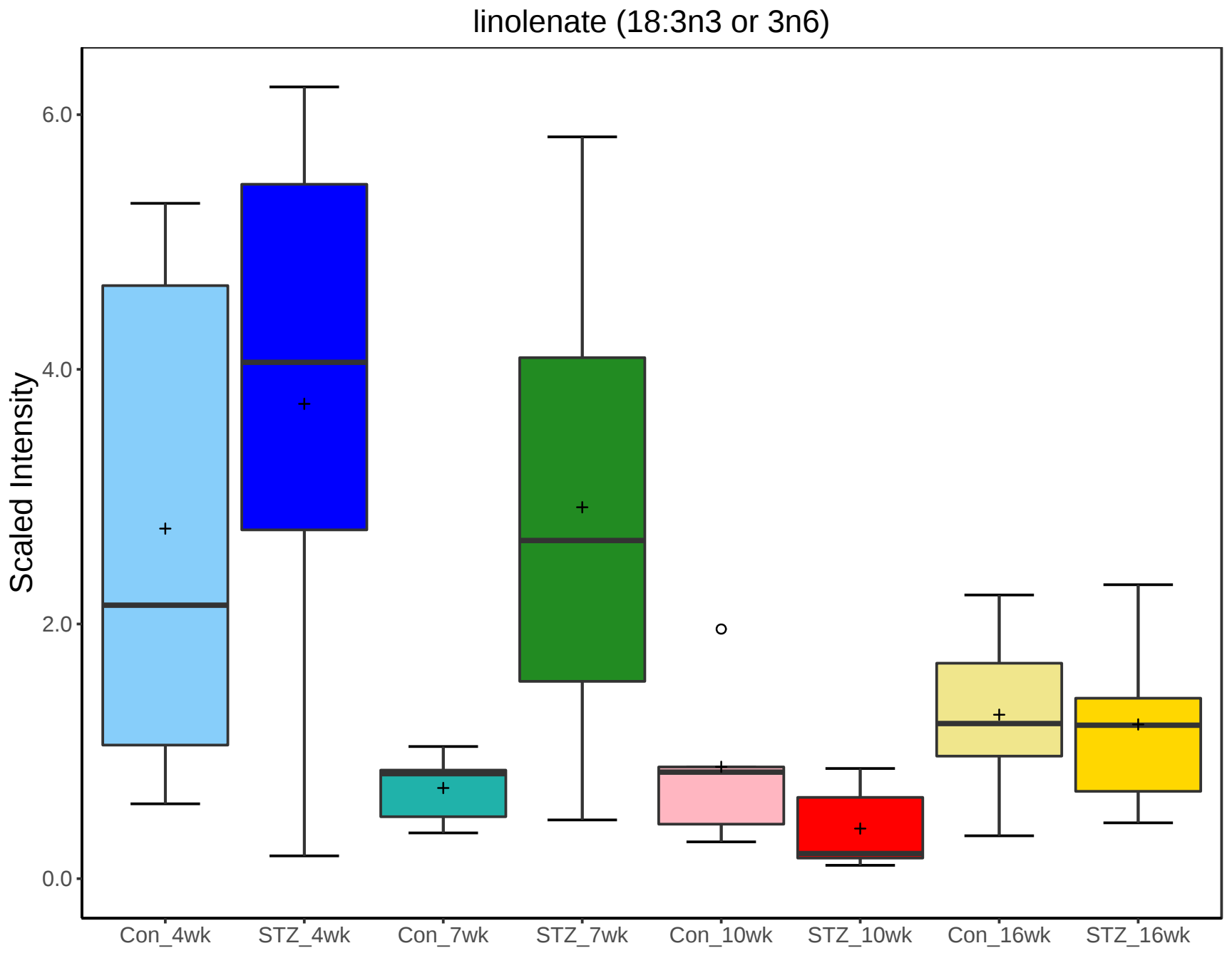

docosahexaenoate (DHA; 22:6n3)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

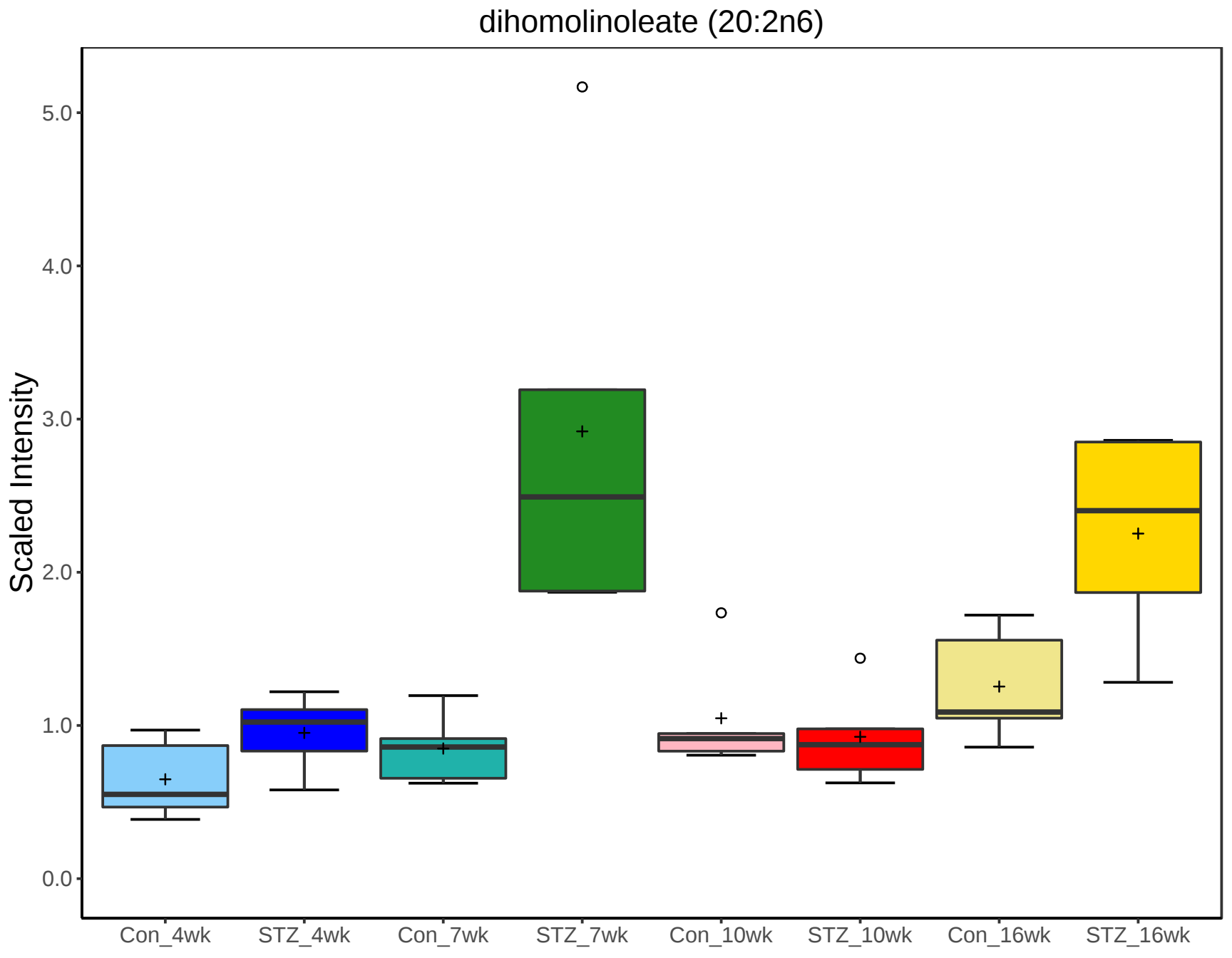

docosatrienoate (22:3n3)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

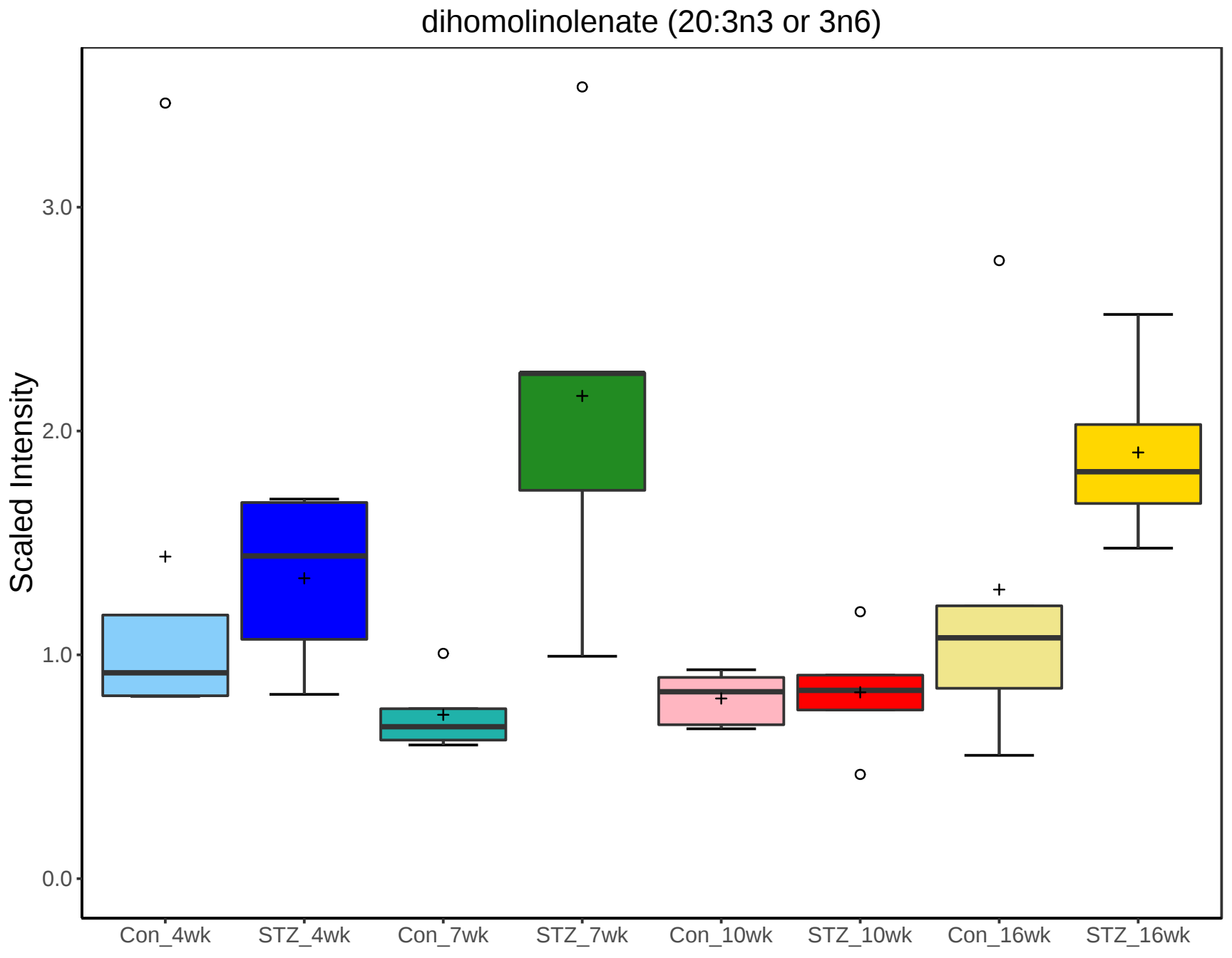

nisinate (24:6n3)
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

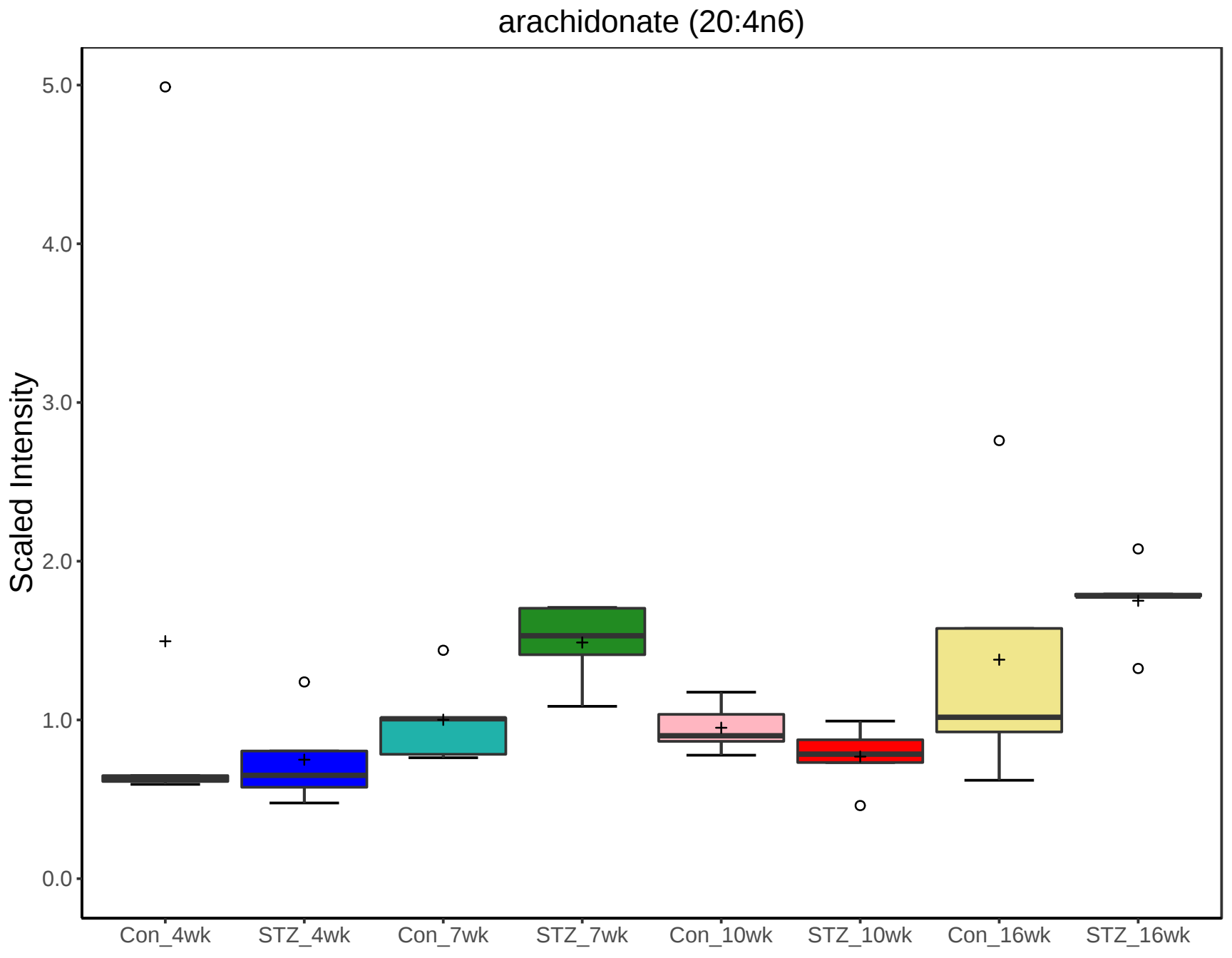

hexadecadienoate (16:2n6)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

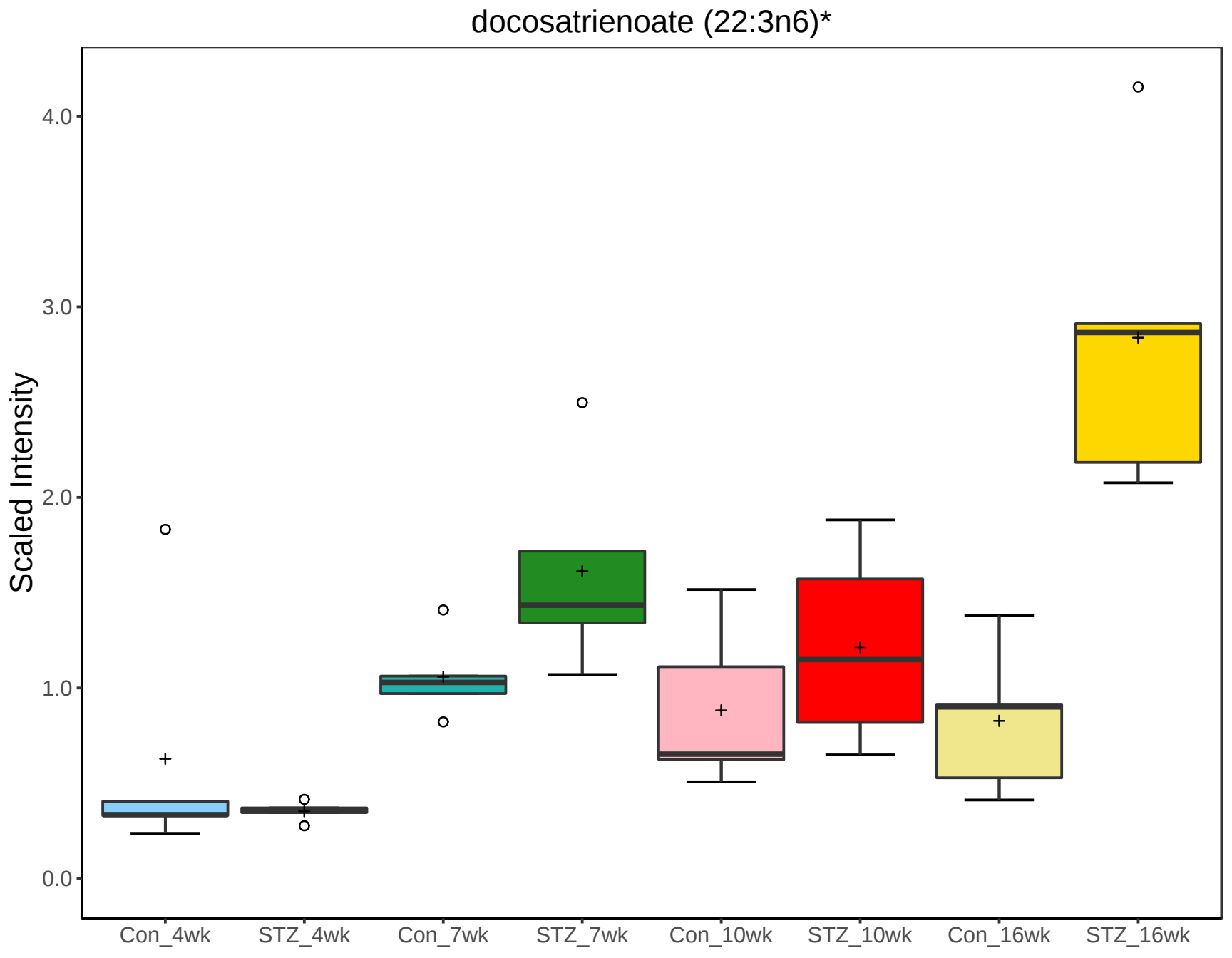

linoleate (18:2n6)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

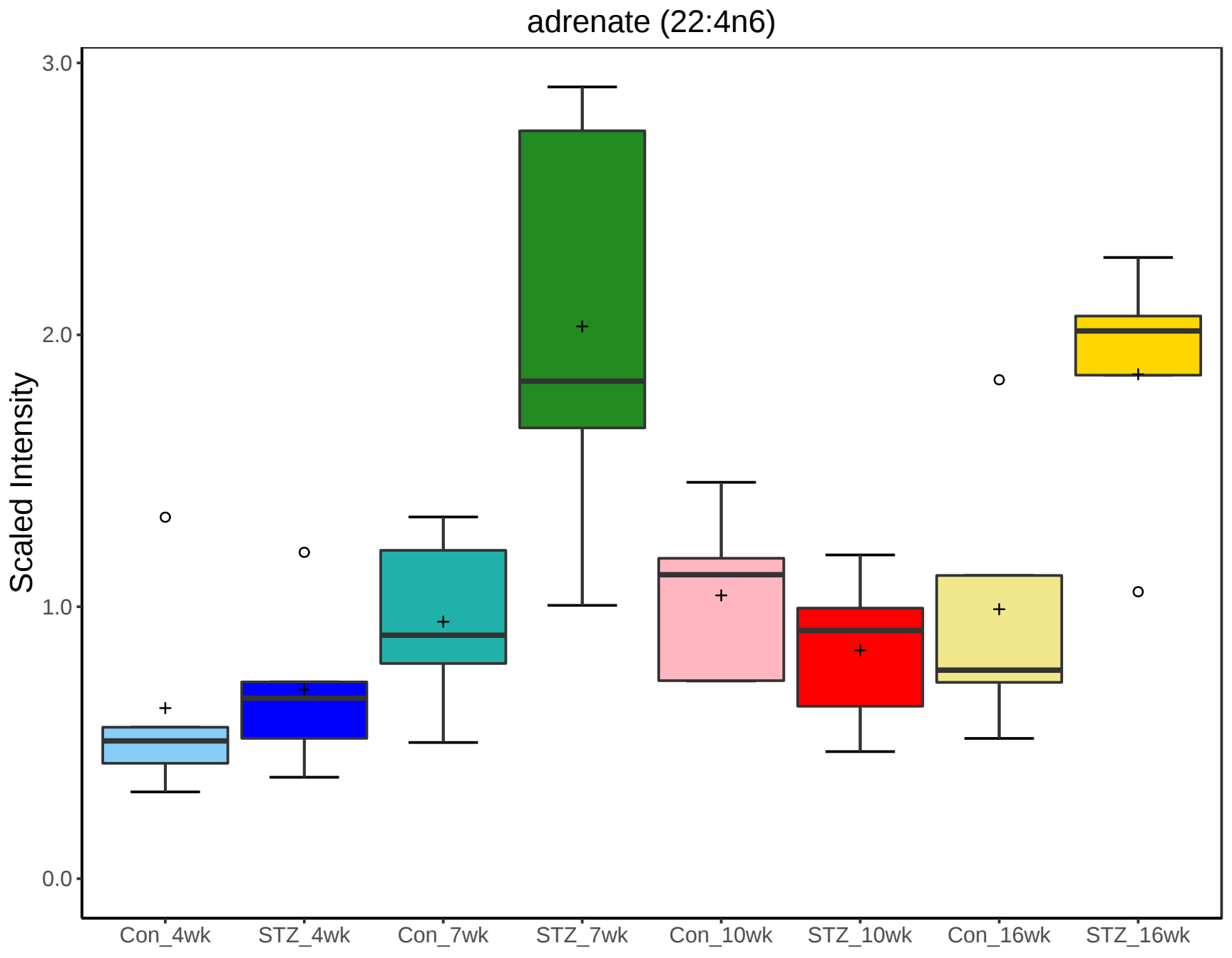

linolenate (18:3n3 or 3n6)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

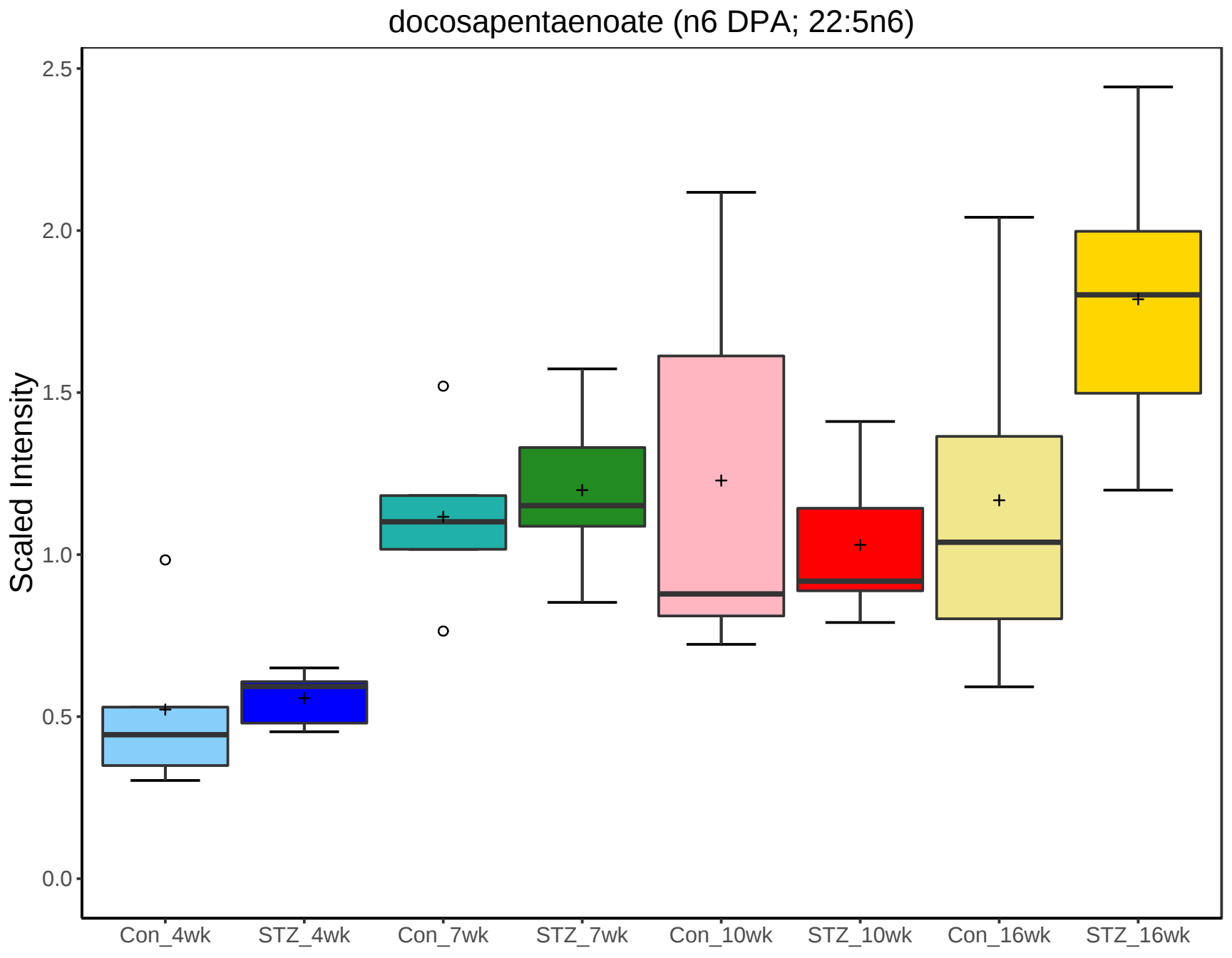

dihomolinoleate (20:2n6)
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

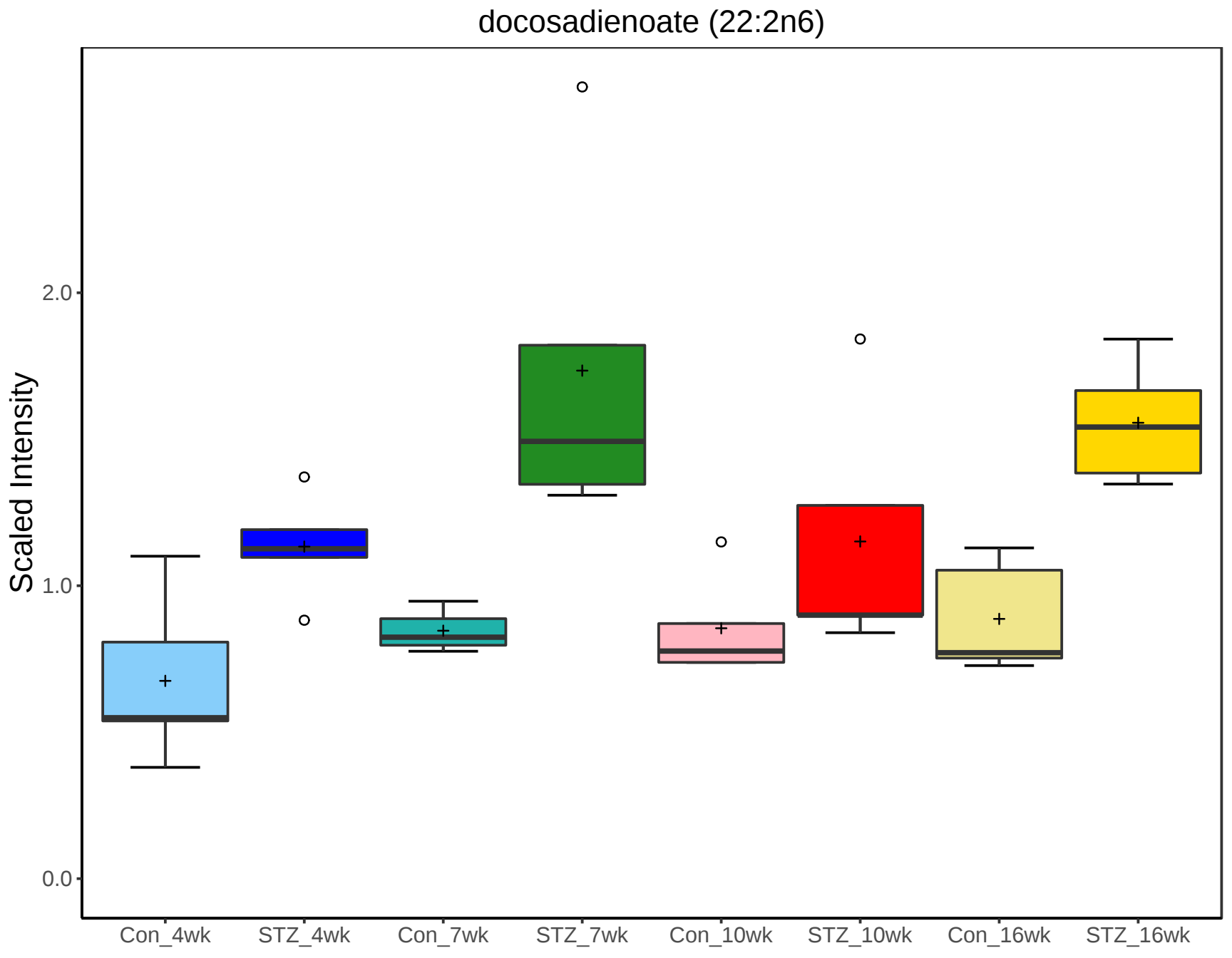

dihomolinolenate (20:3n3 or 3n6)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

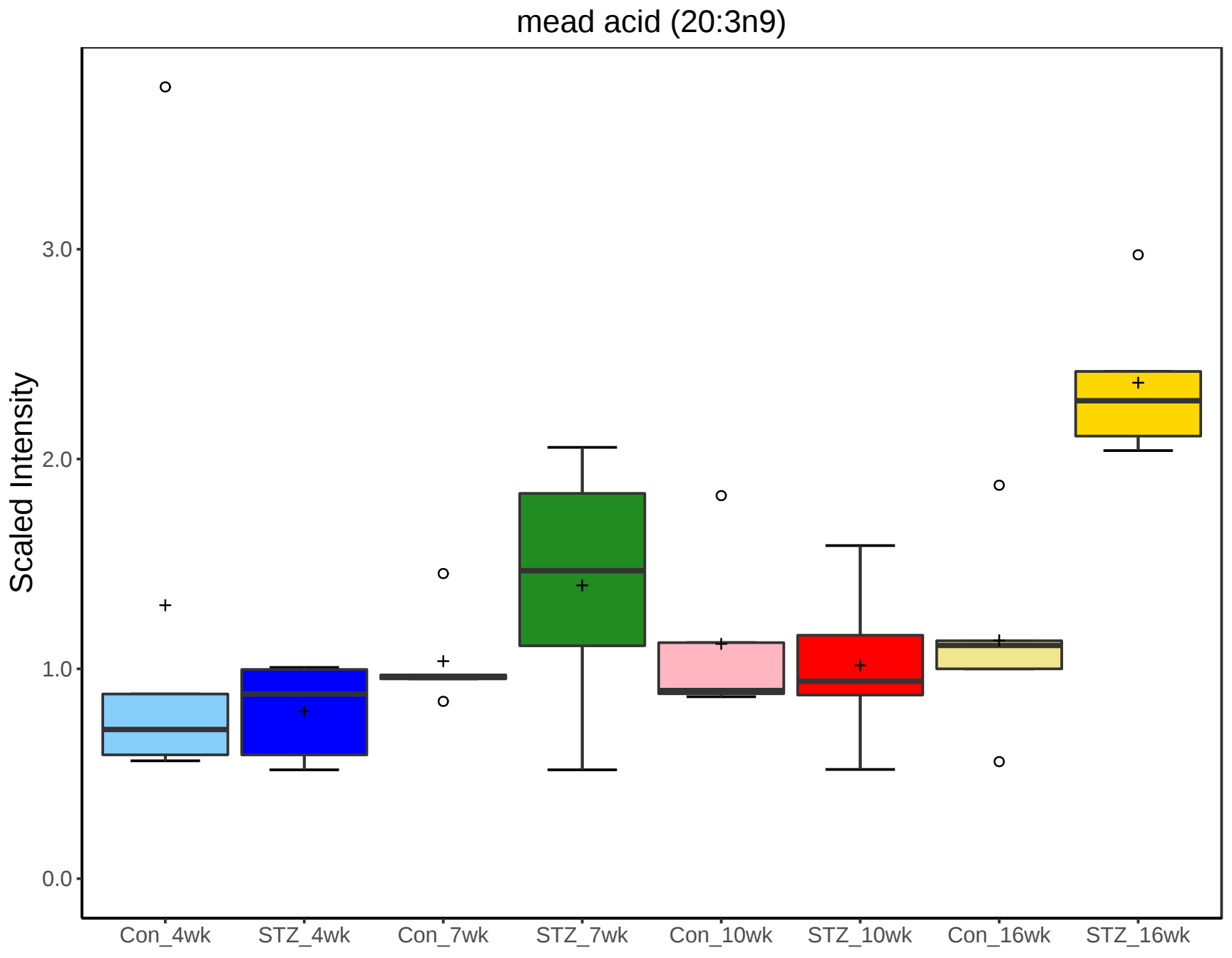

arachidonate (20:4n6)
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

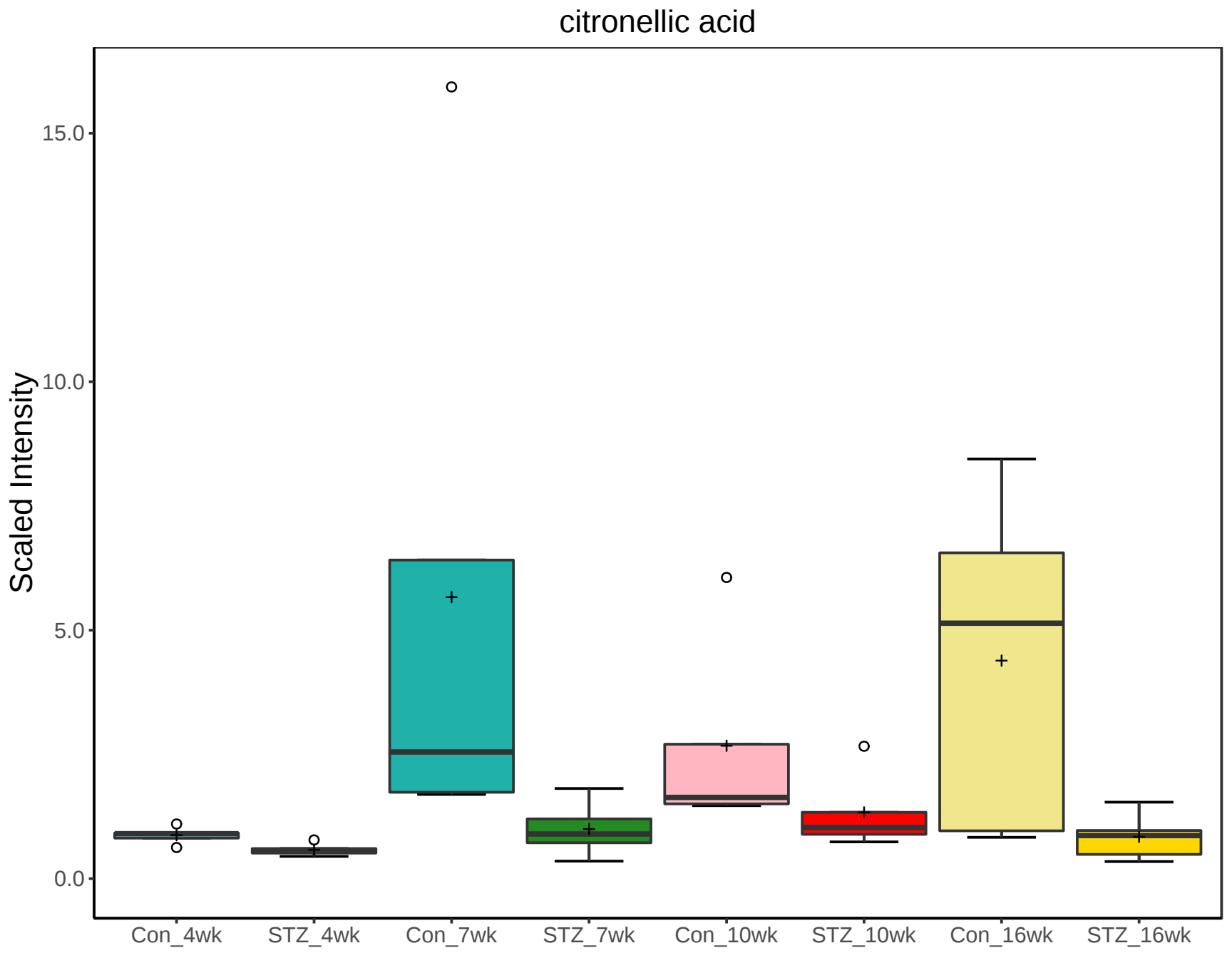

docosatrienoate (22:3n6)*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

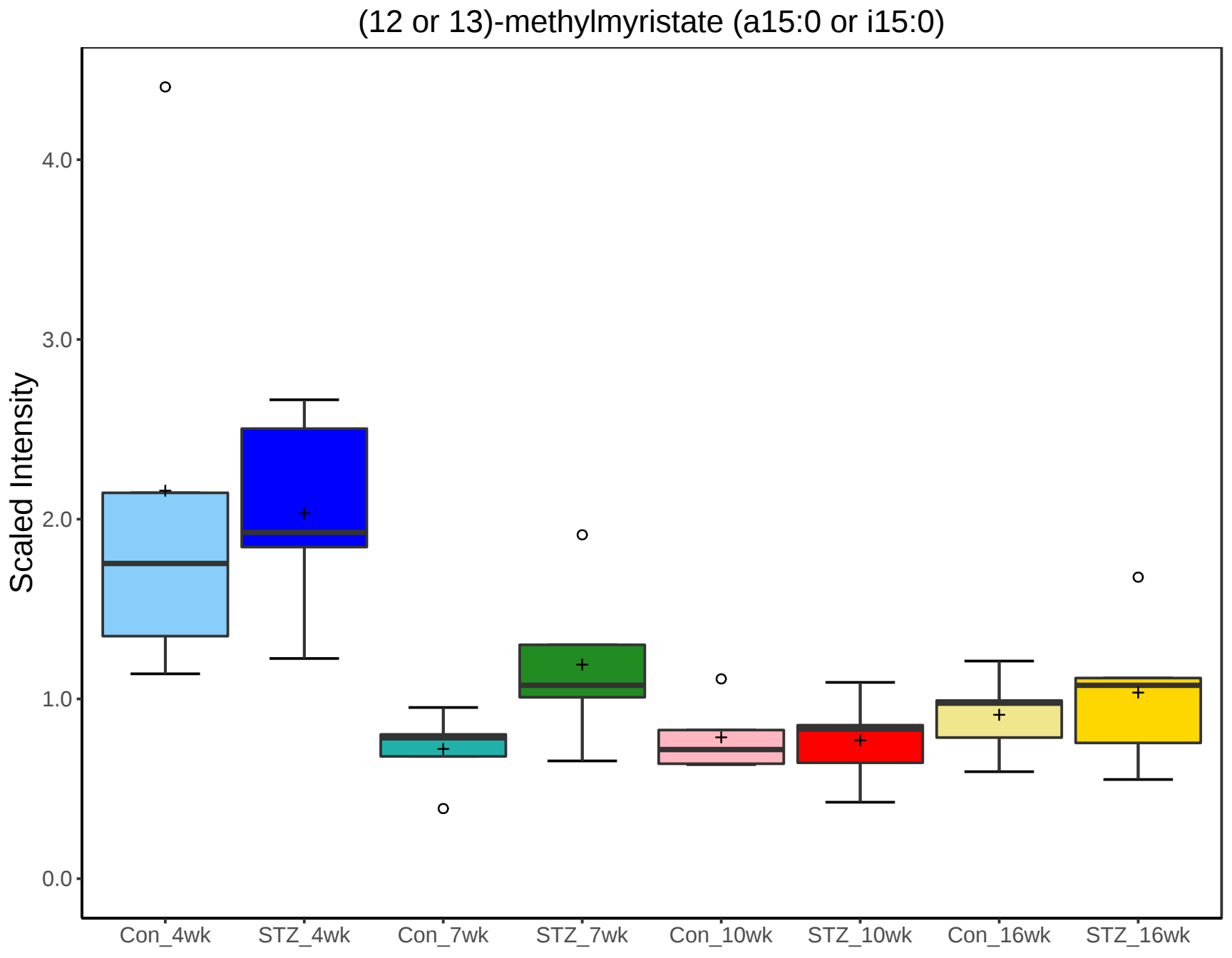

adrenate (22:4n6)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

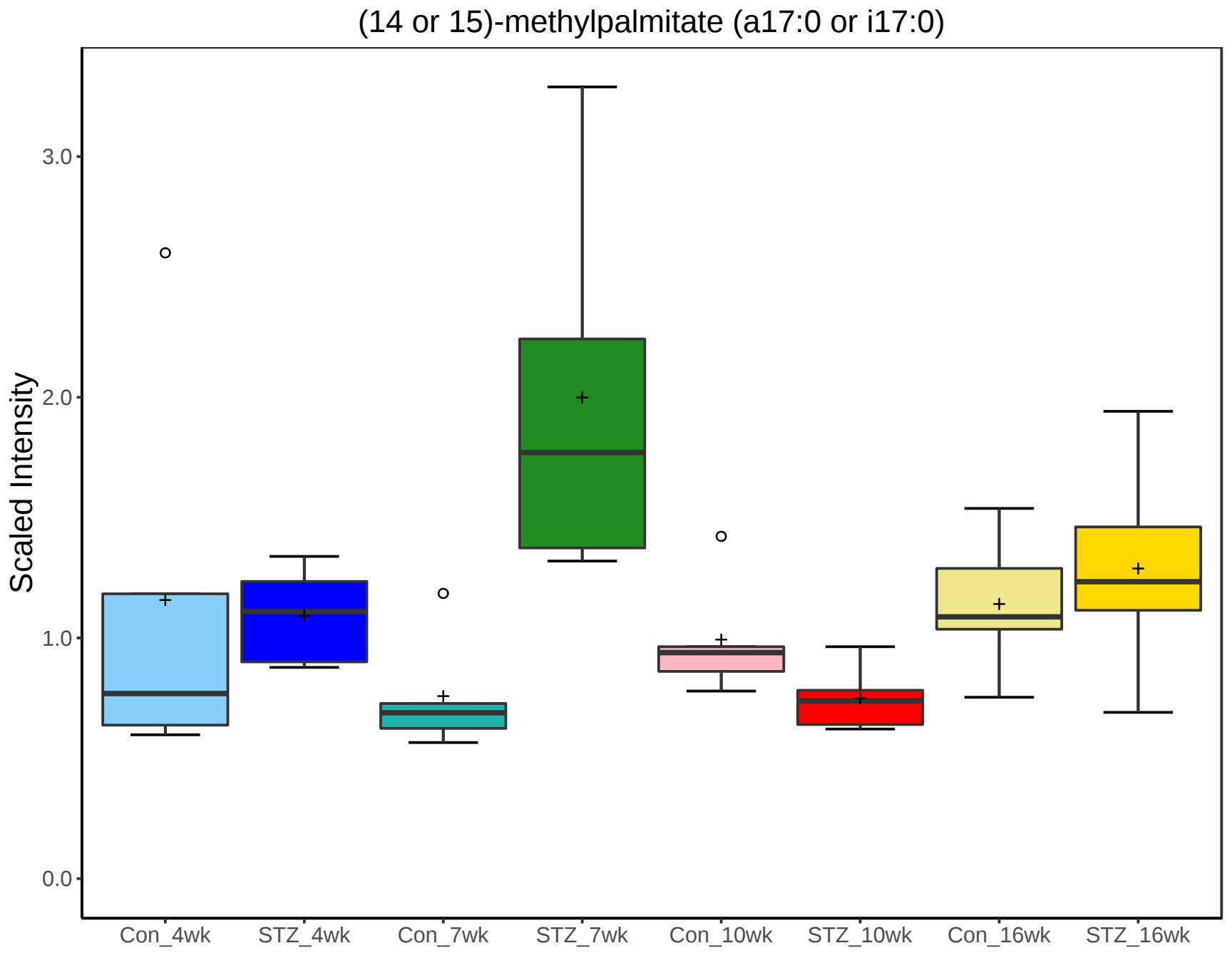

docosapentaenoate (n6 DPA; 22:5n6)
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

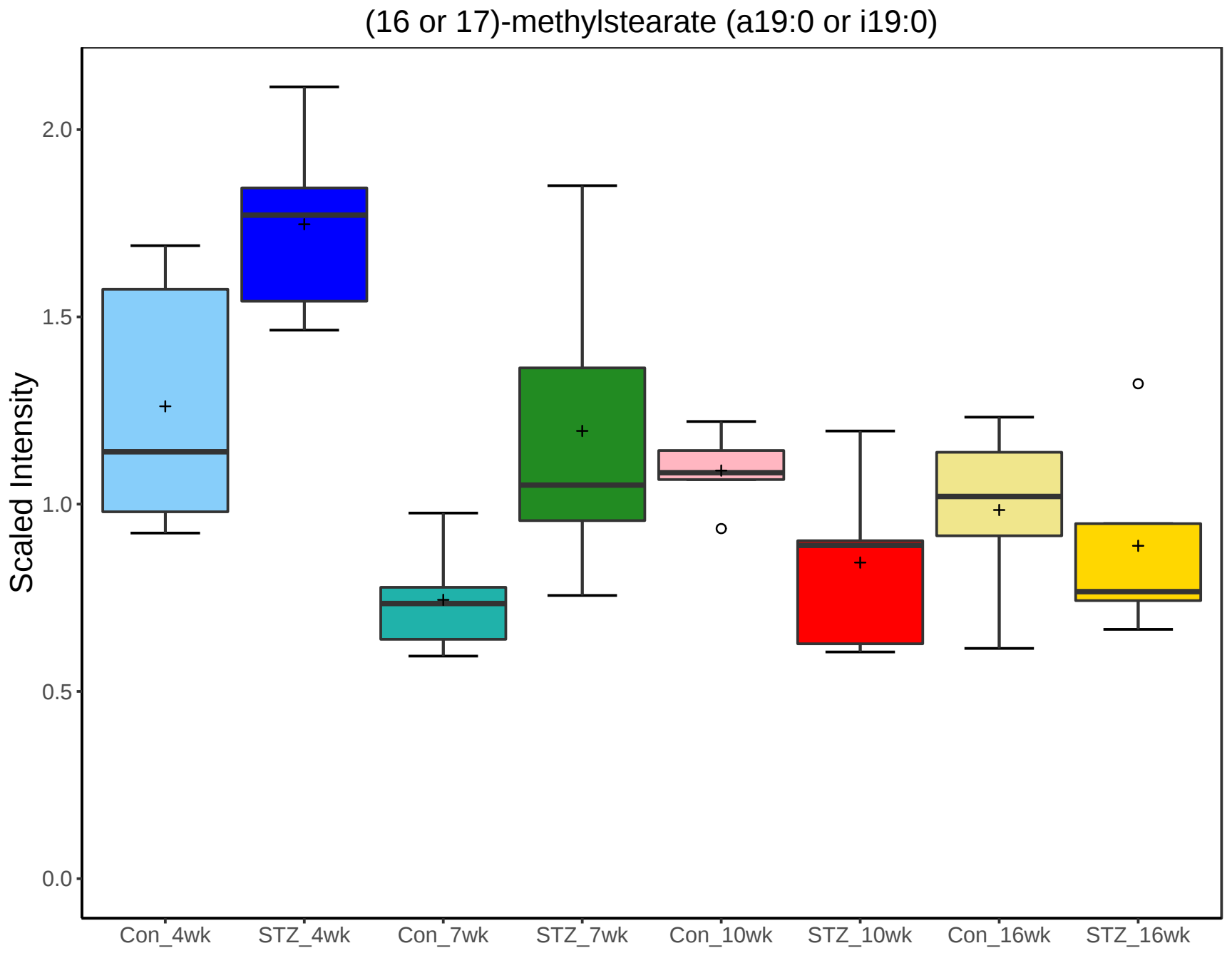

docosadienoate (22:2n6)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

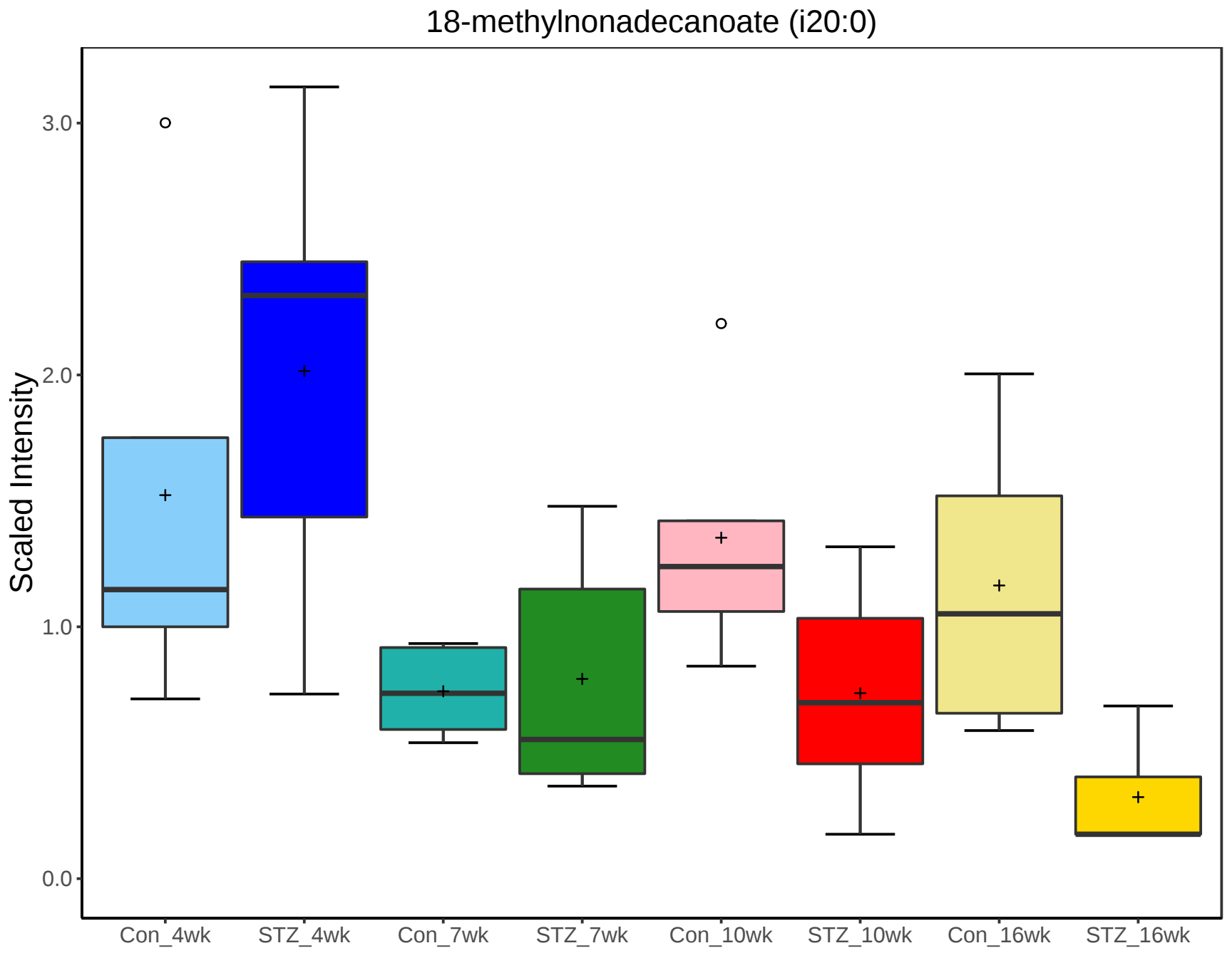

mead acid (20:3n9)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

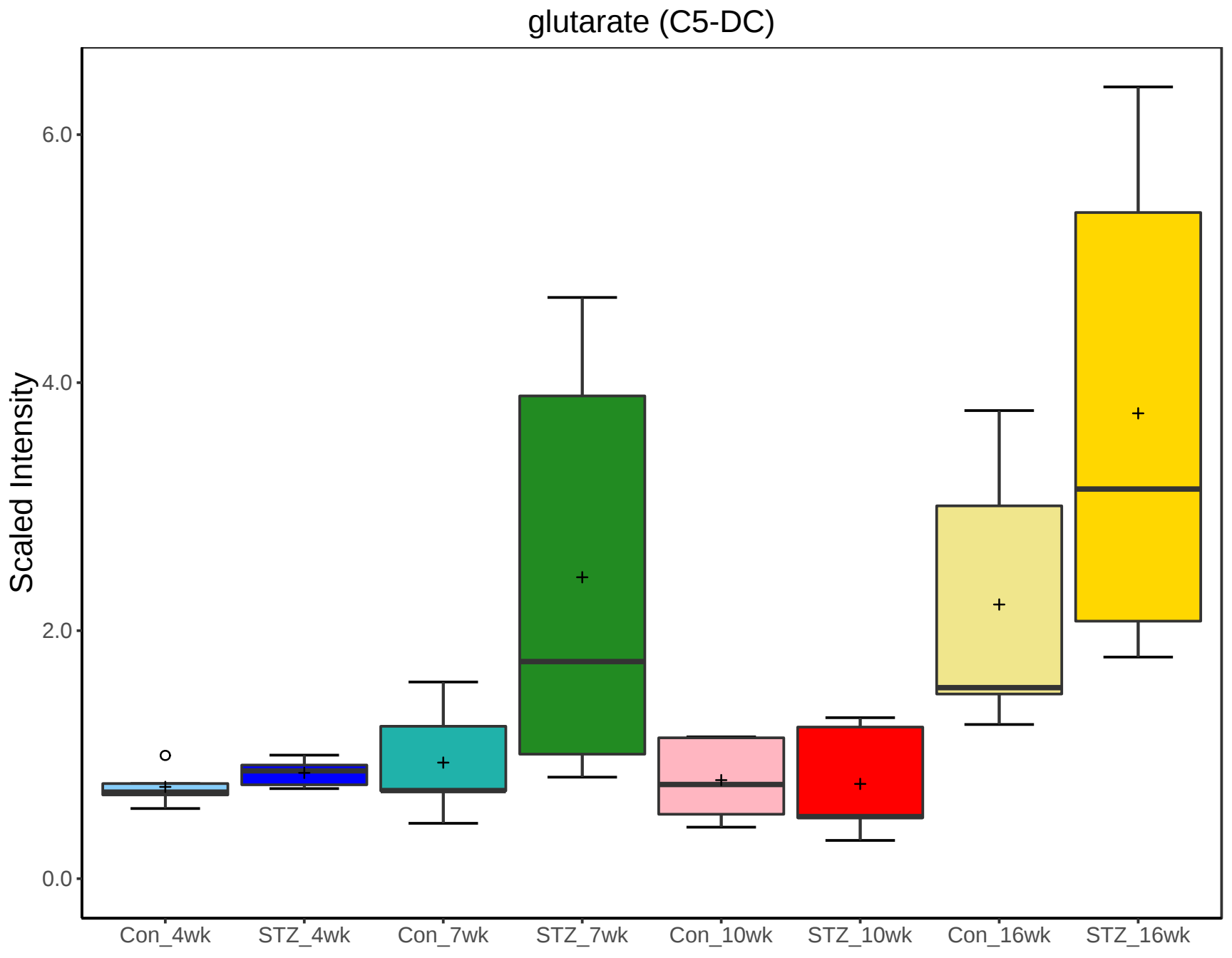

citronellic acid
Scaled Intensity
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

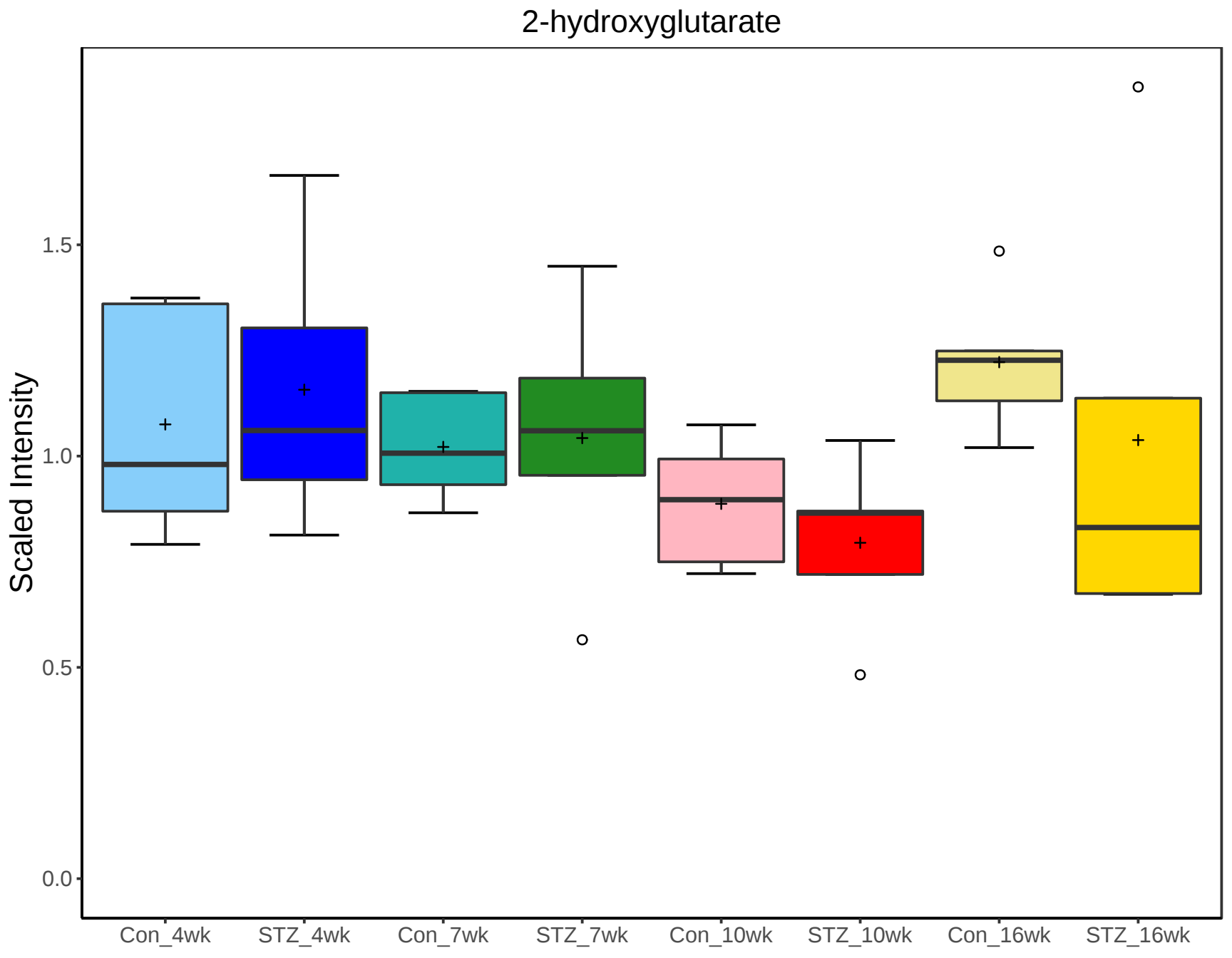

(12 or 13)-methylmyristate (a15:0 or i15:0)
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

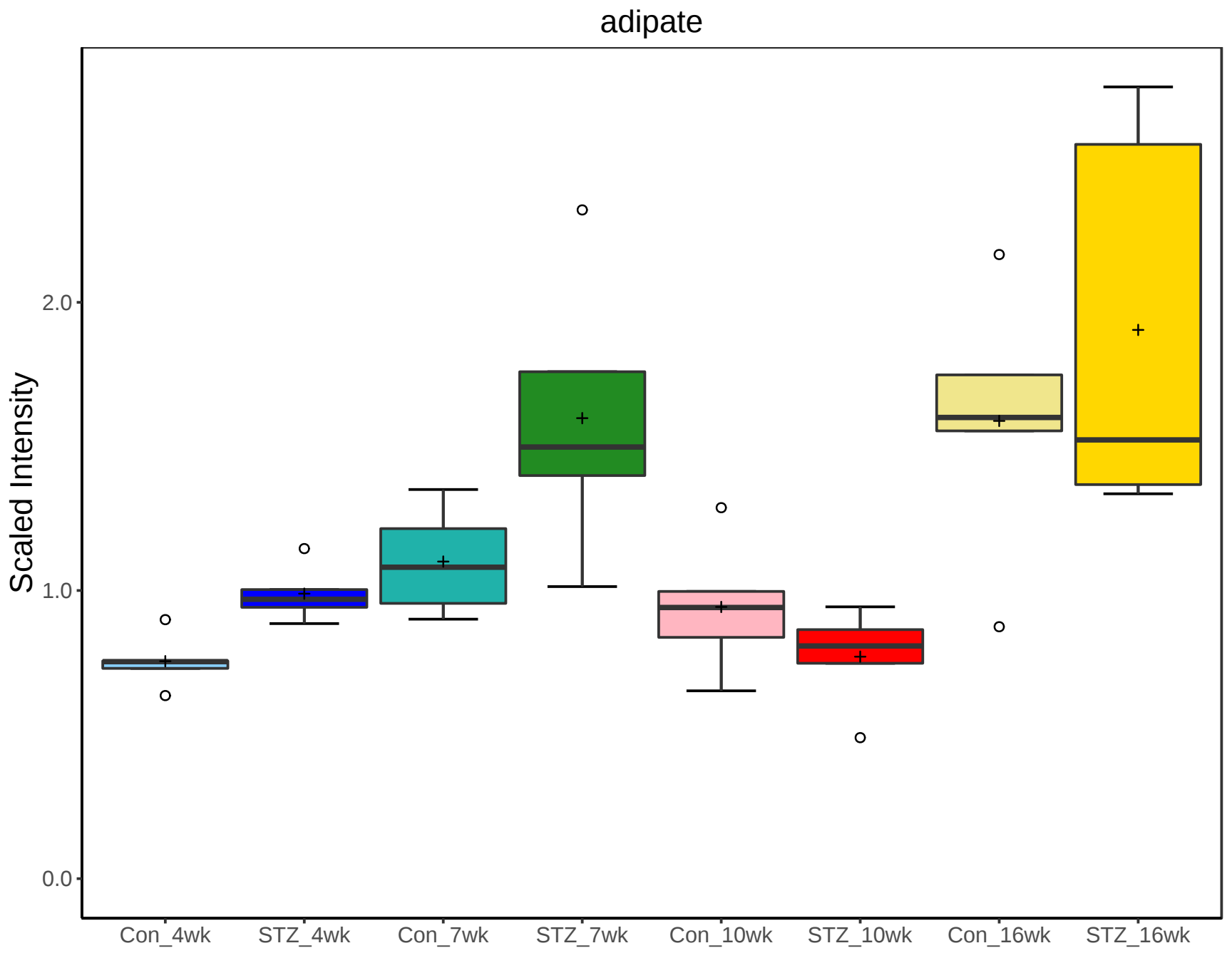

(14 or 15)-methylpalmitate (a17:0 or i17:0)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

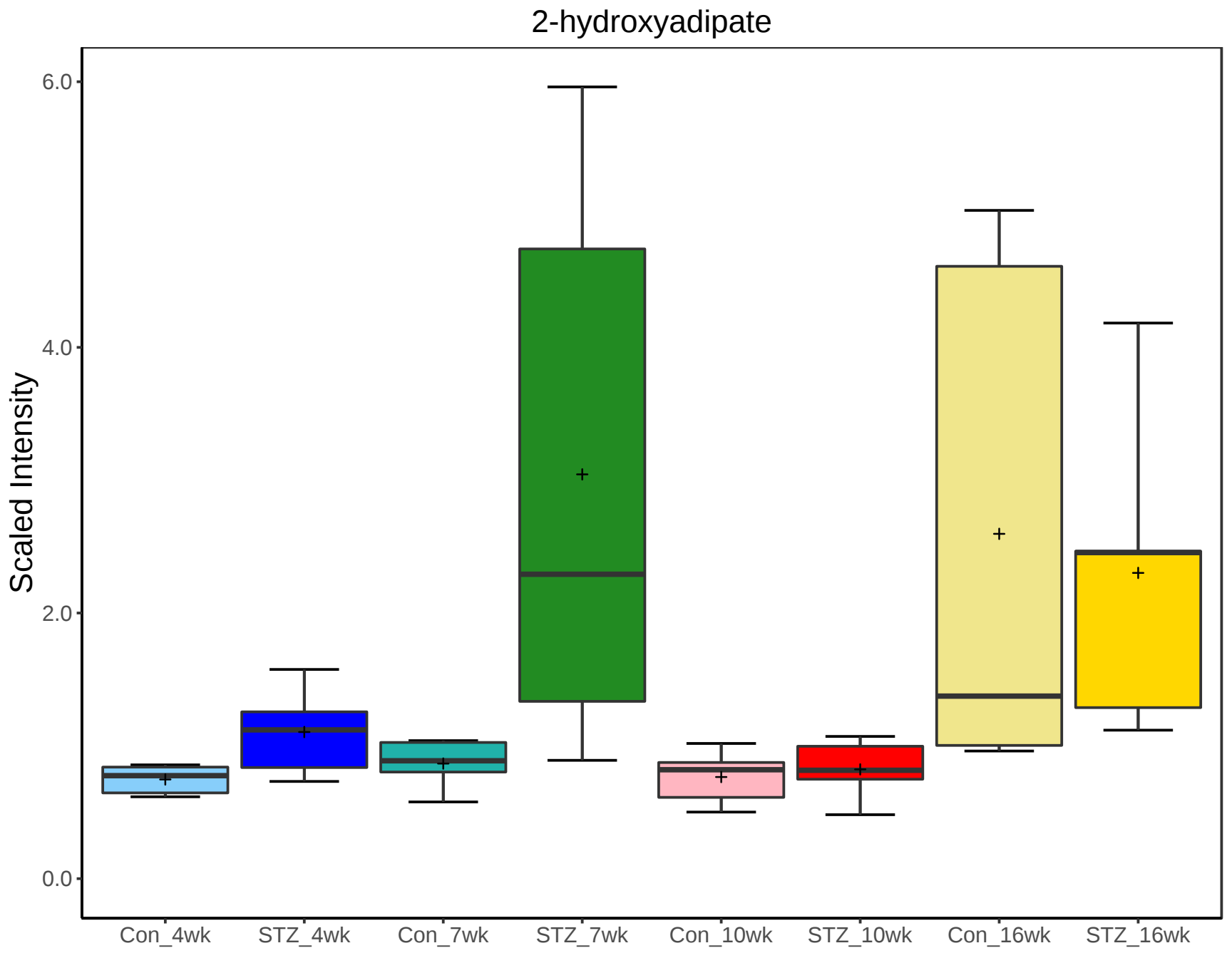

(16 or 17)-methylstearate (a19:0 or i19:0)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

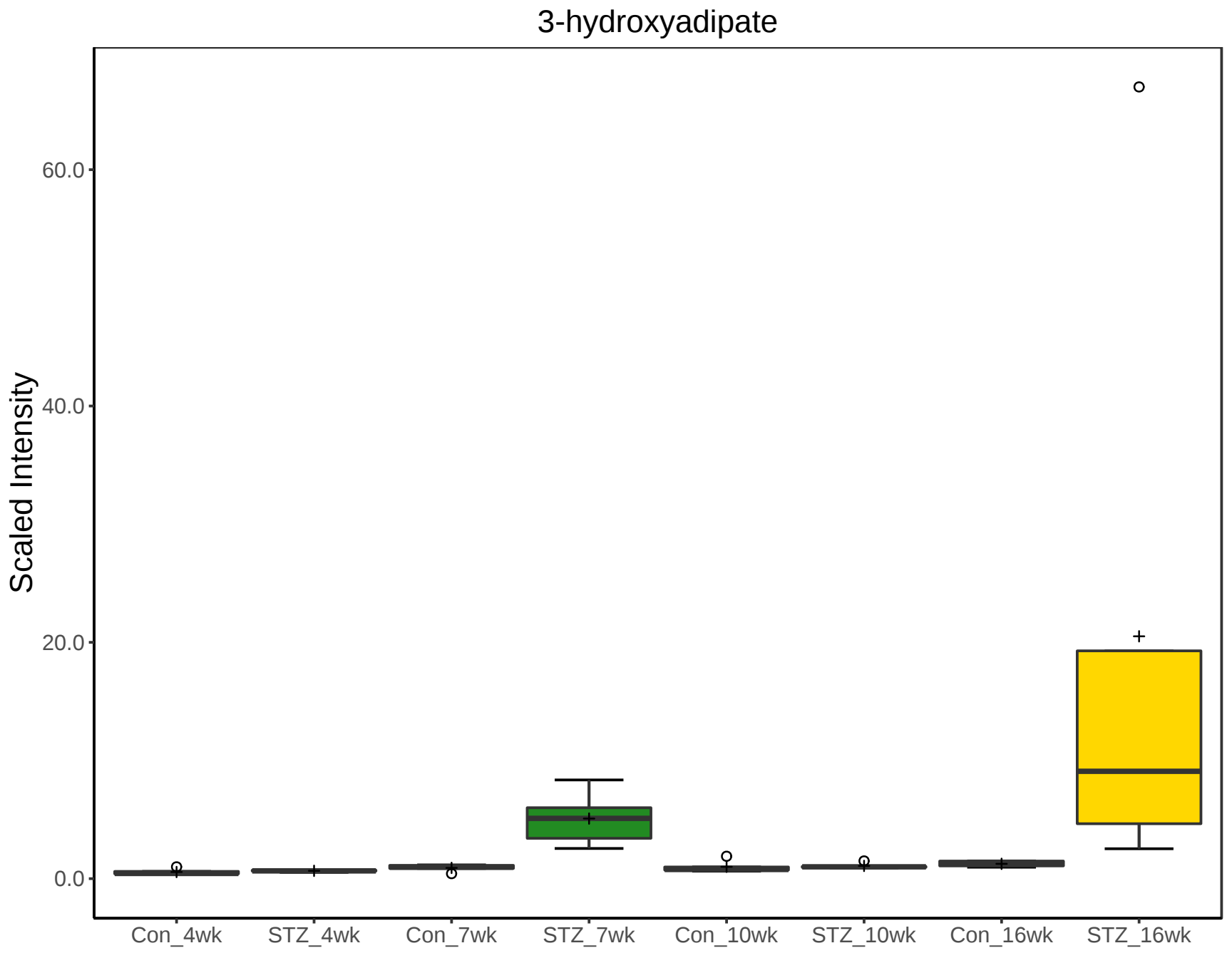

18-methylnonadecanoate (i20:0)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

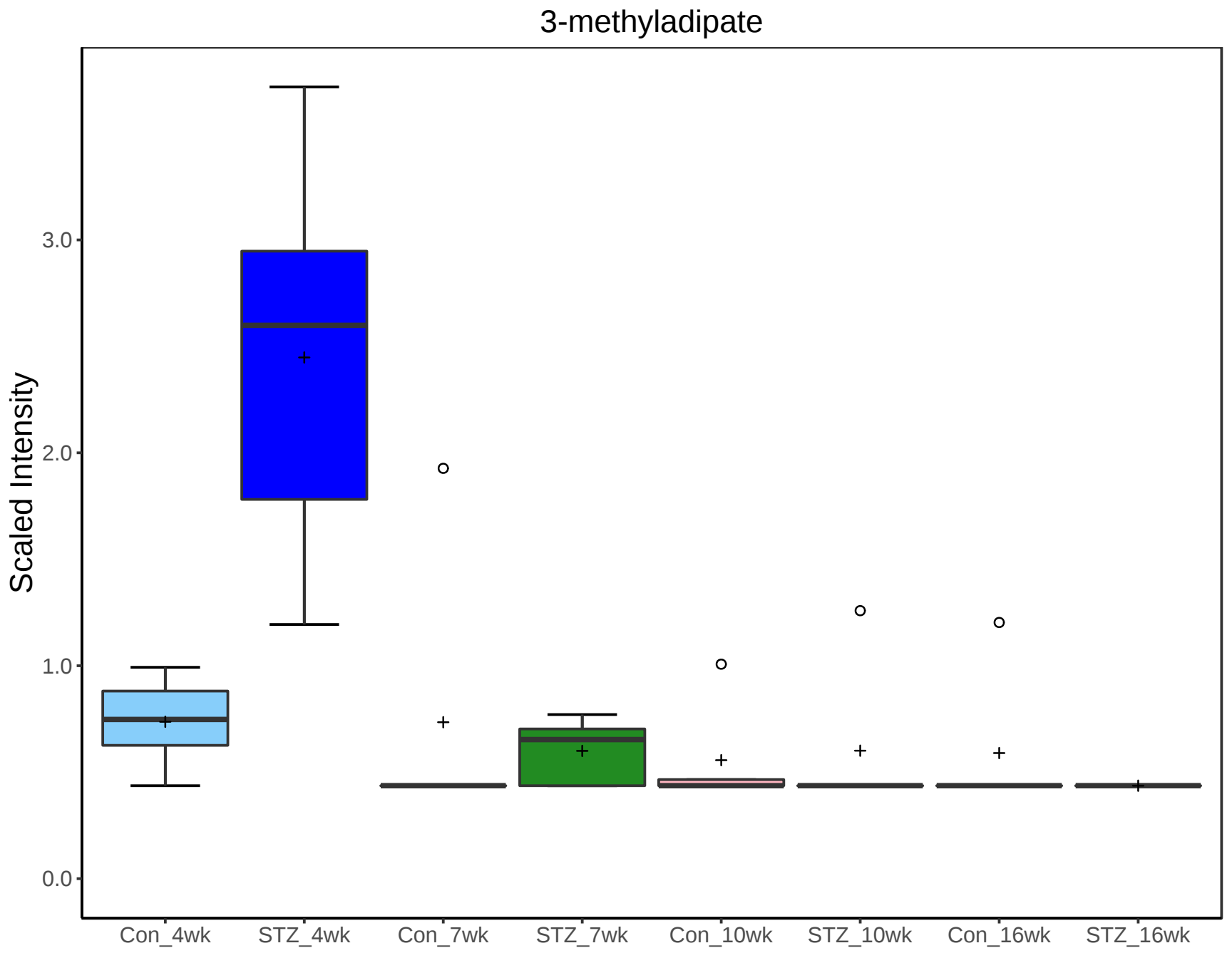

glutarate (C5-DC)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

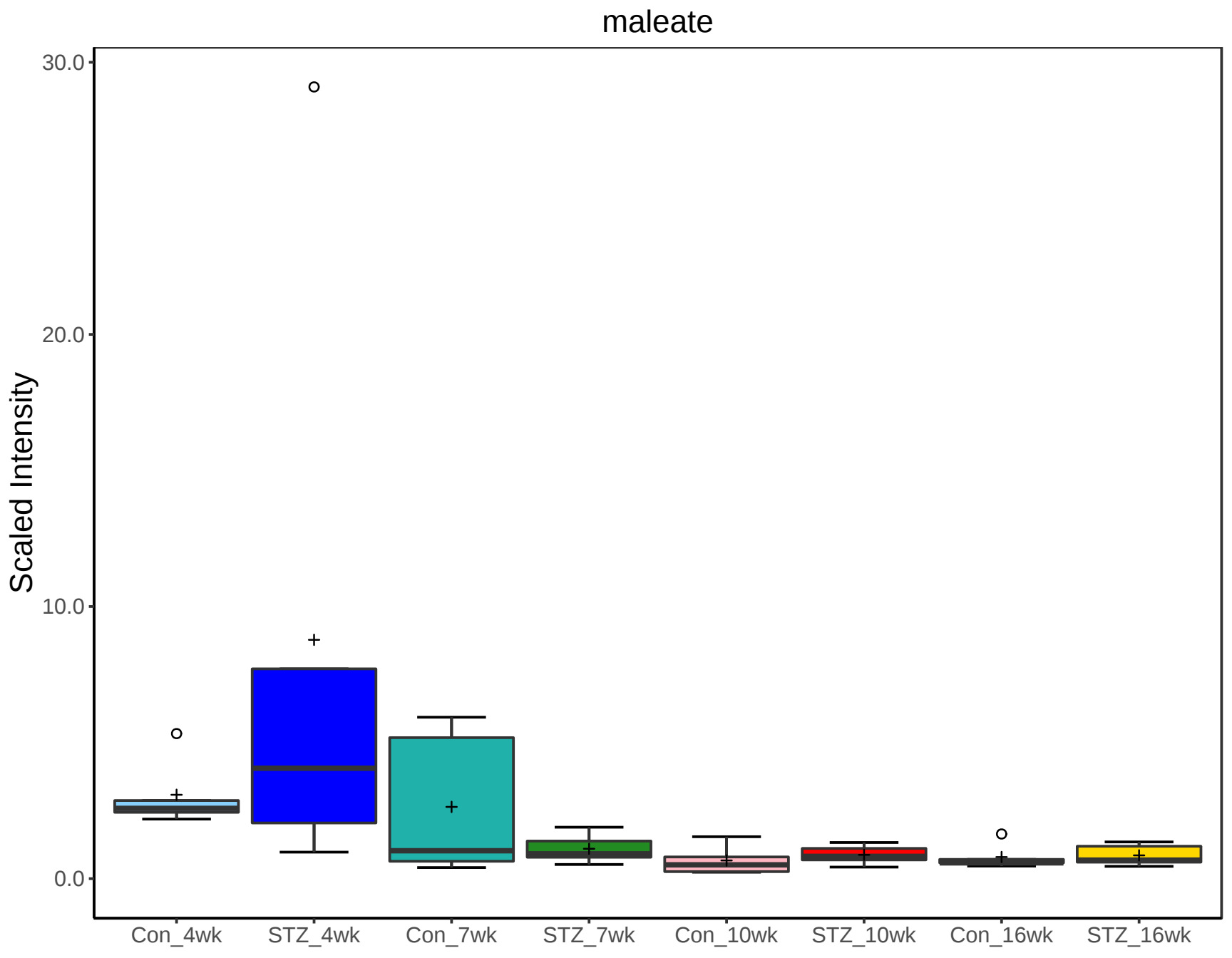

2-hydroxyglutarate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

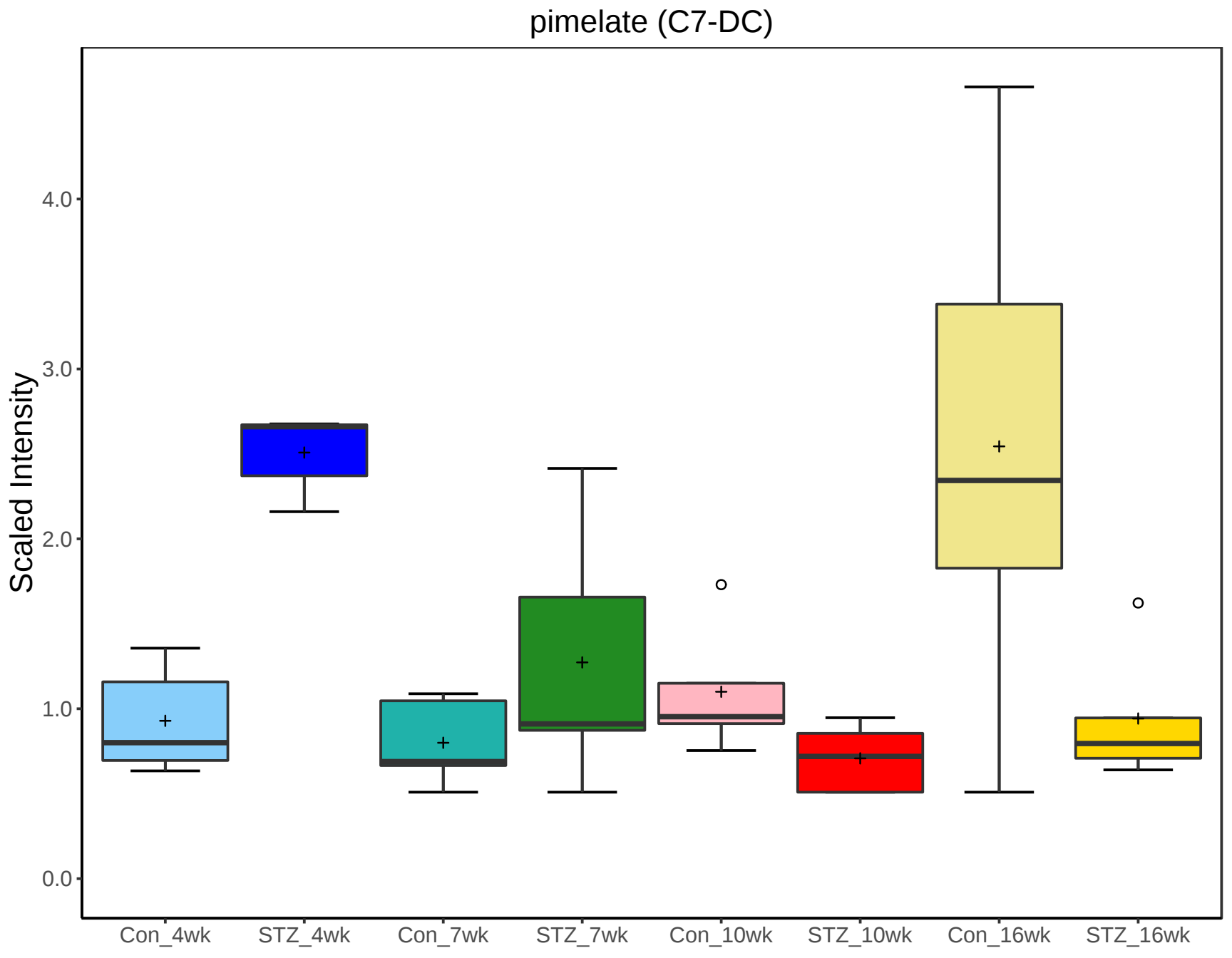

adipate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

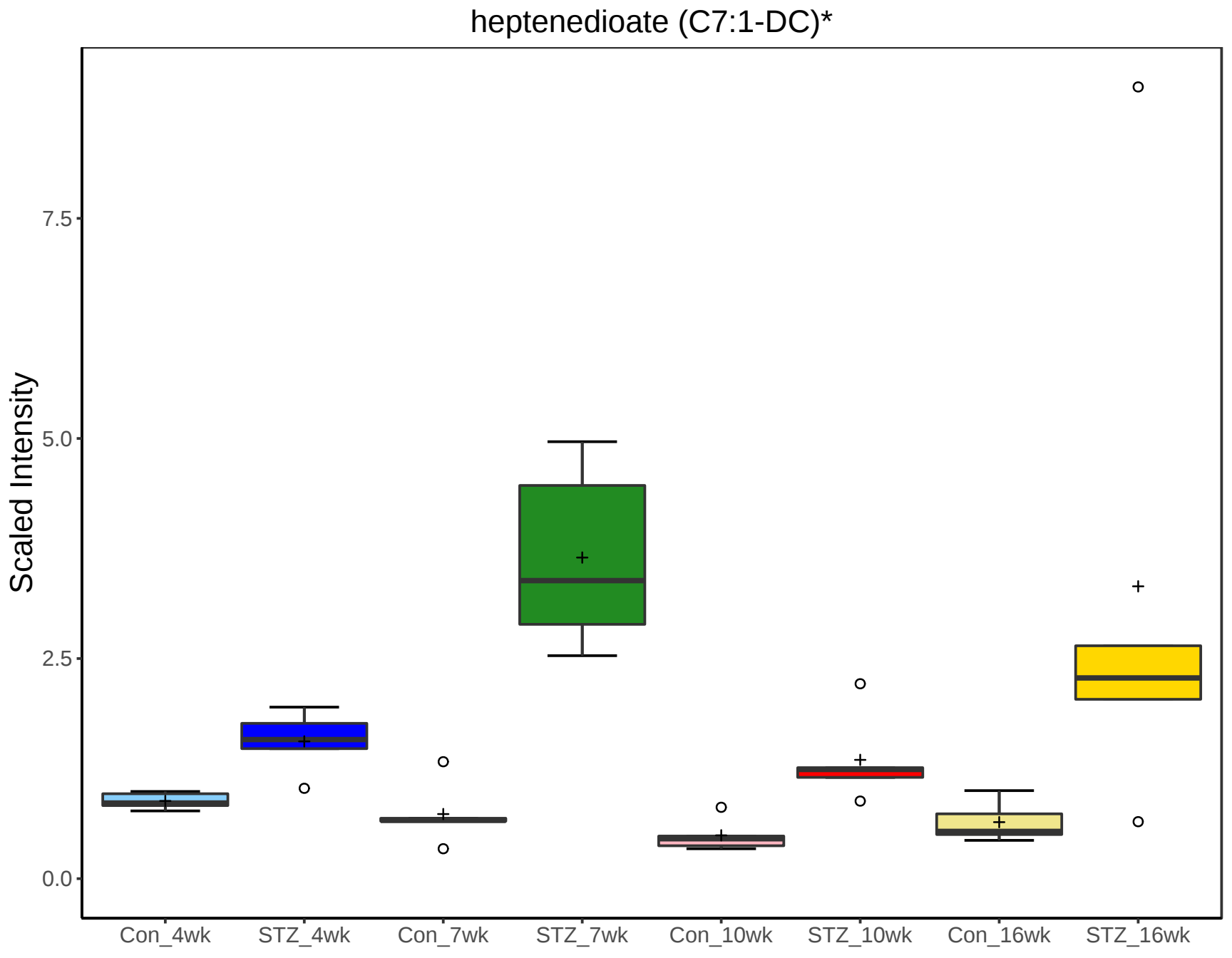

2-hydroxyadipate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

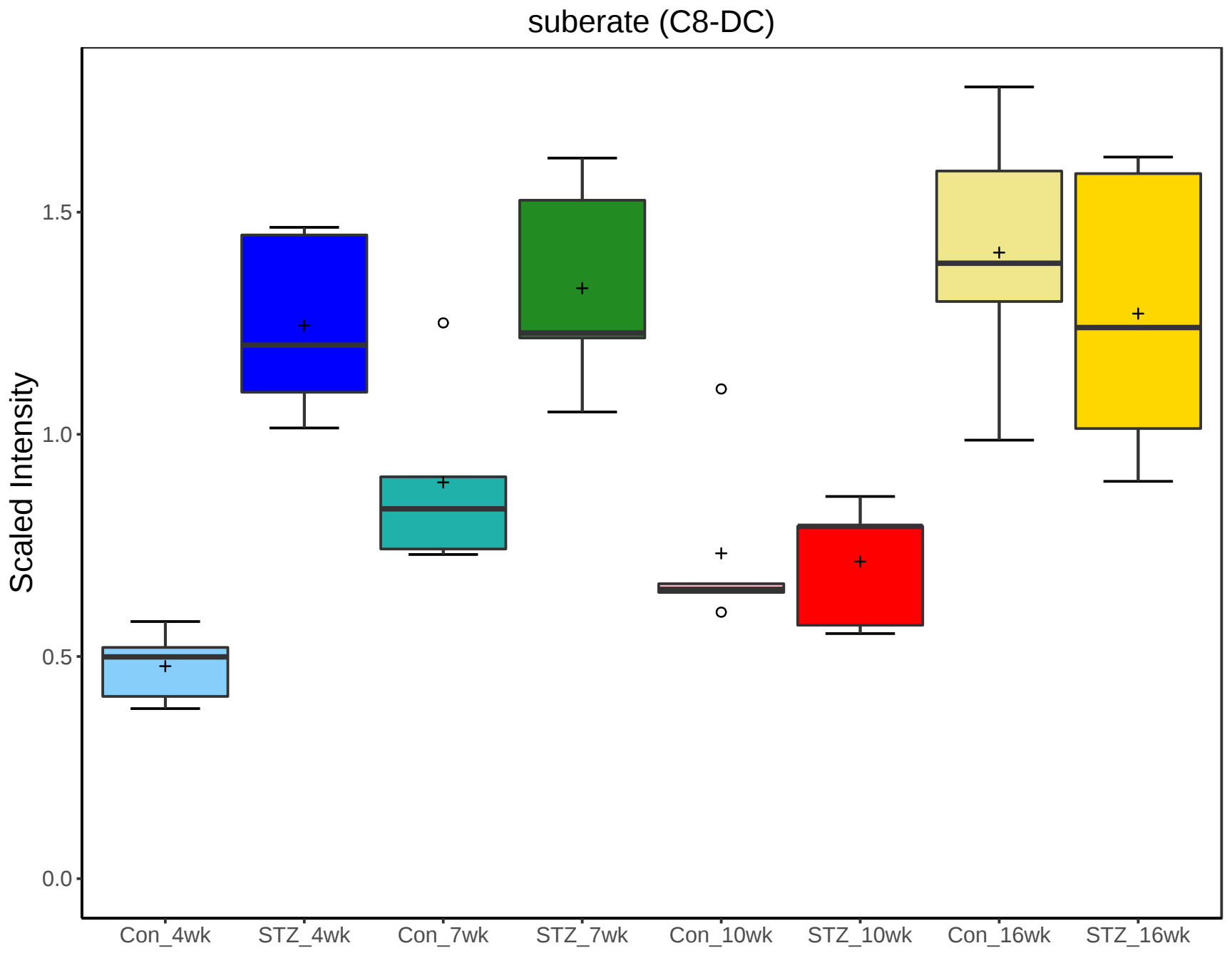

3-hydroxyadipate
Scaled Intensity
60.0
40.0
20.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

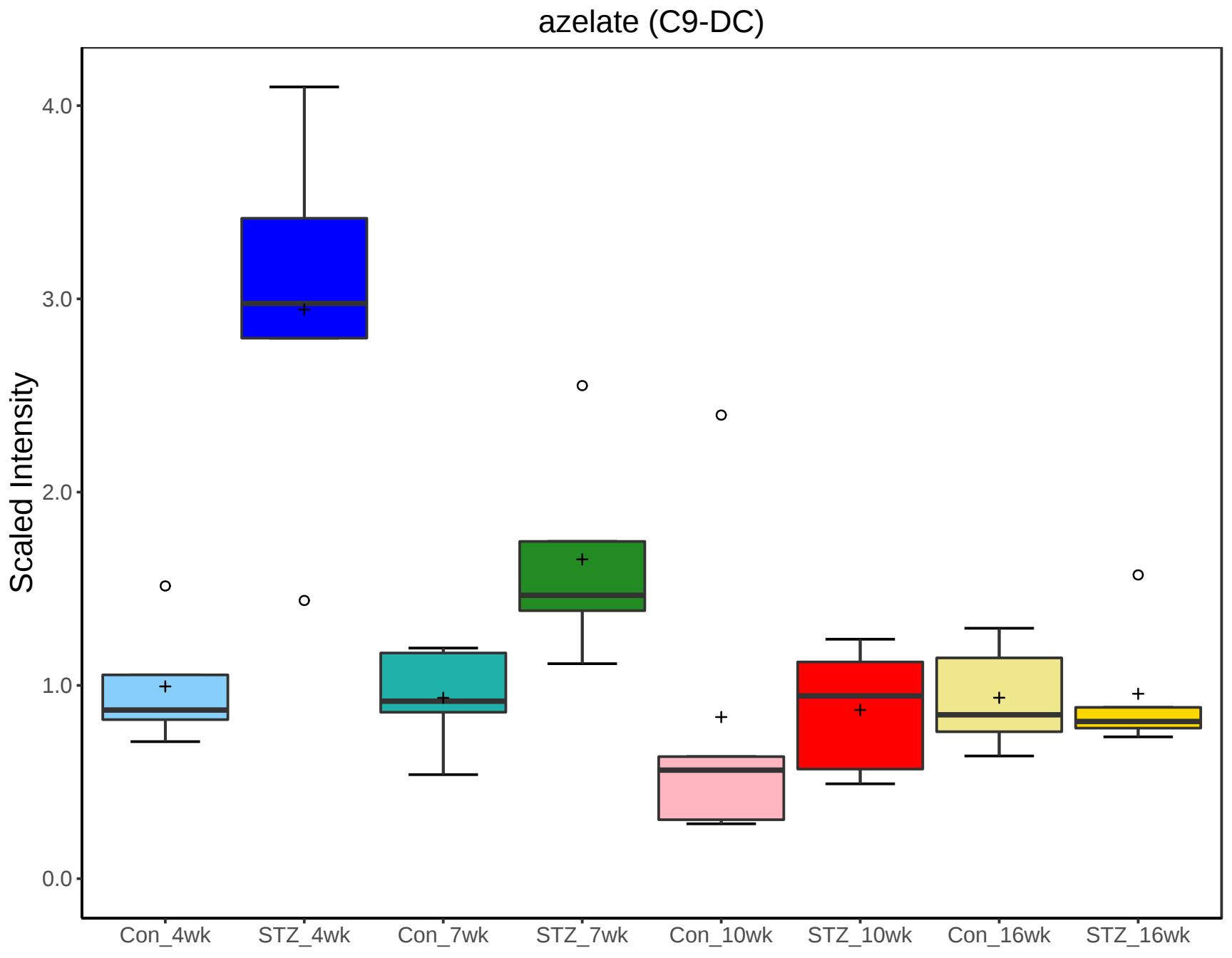

3-methyladipate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

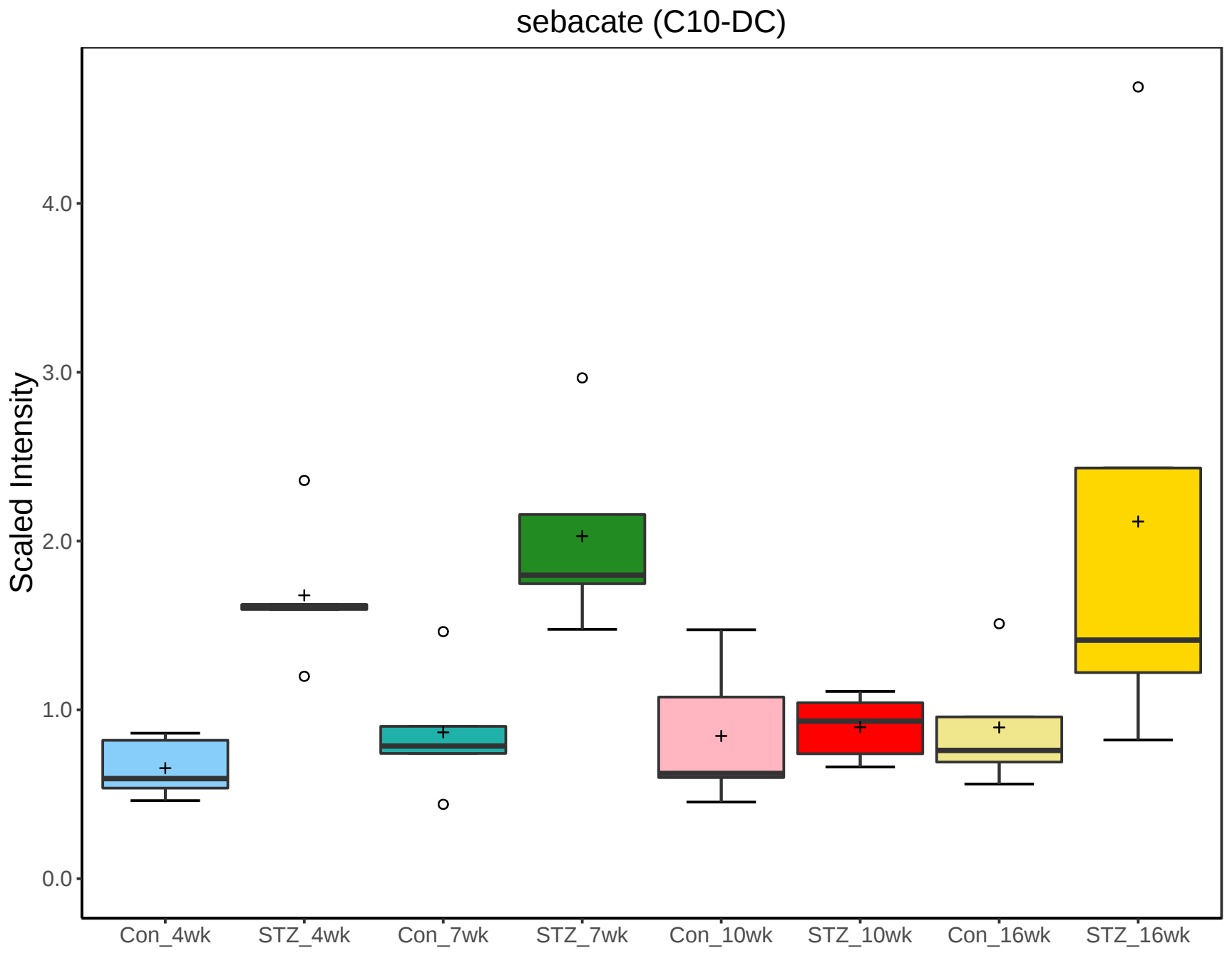

maleate
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

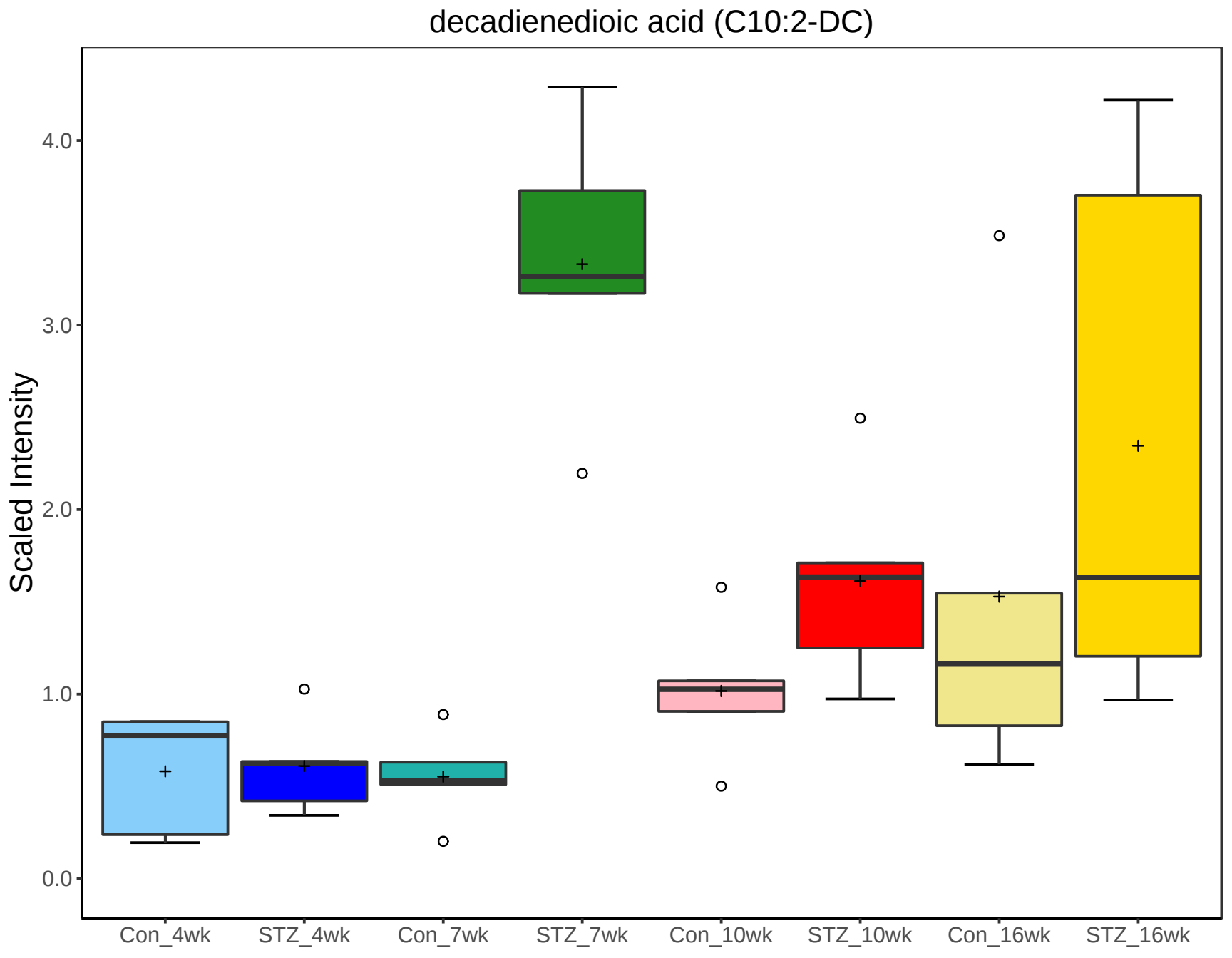

pimelate (C7-DC)
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

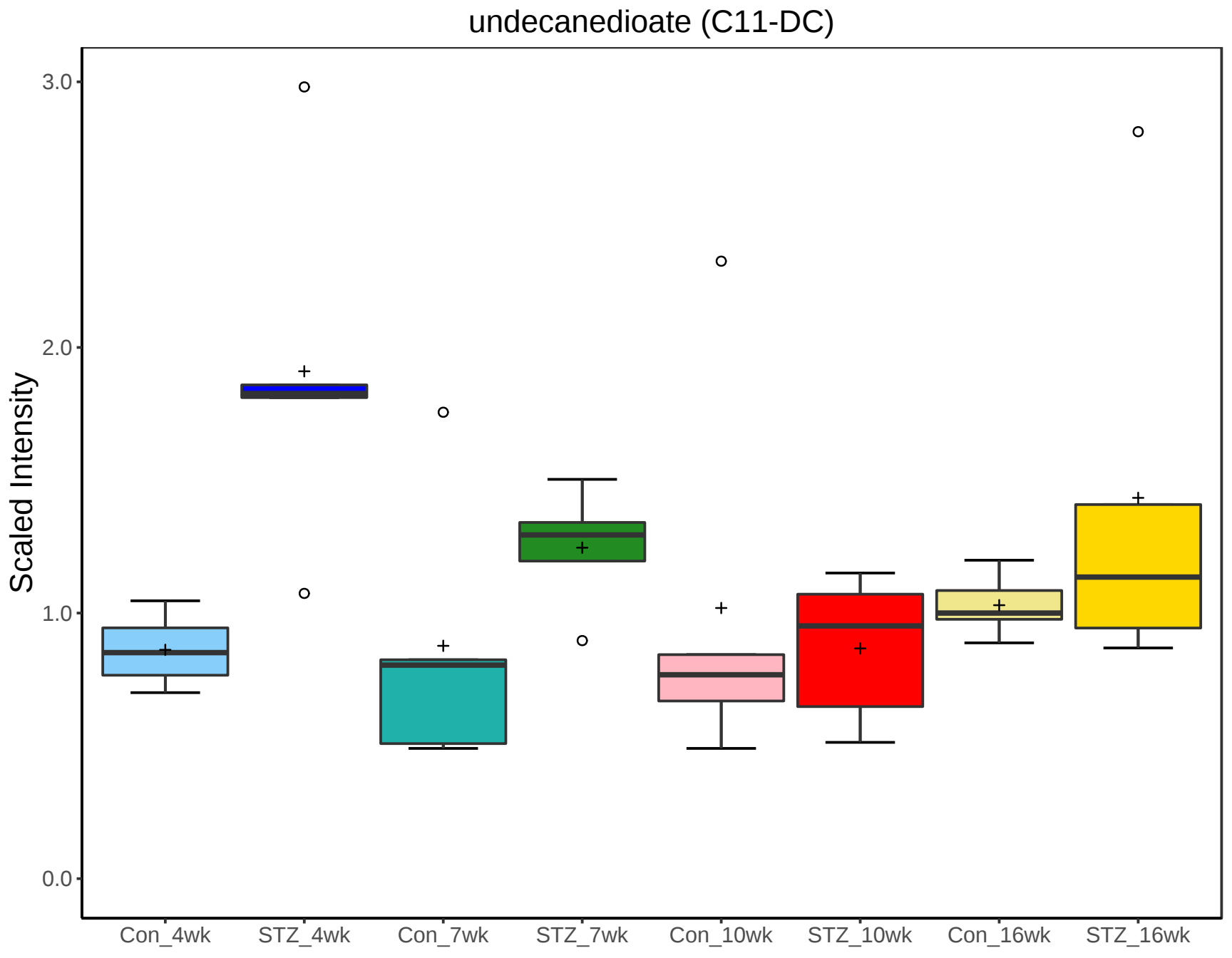

heptenedioate (C7:1-DC)*
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

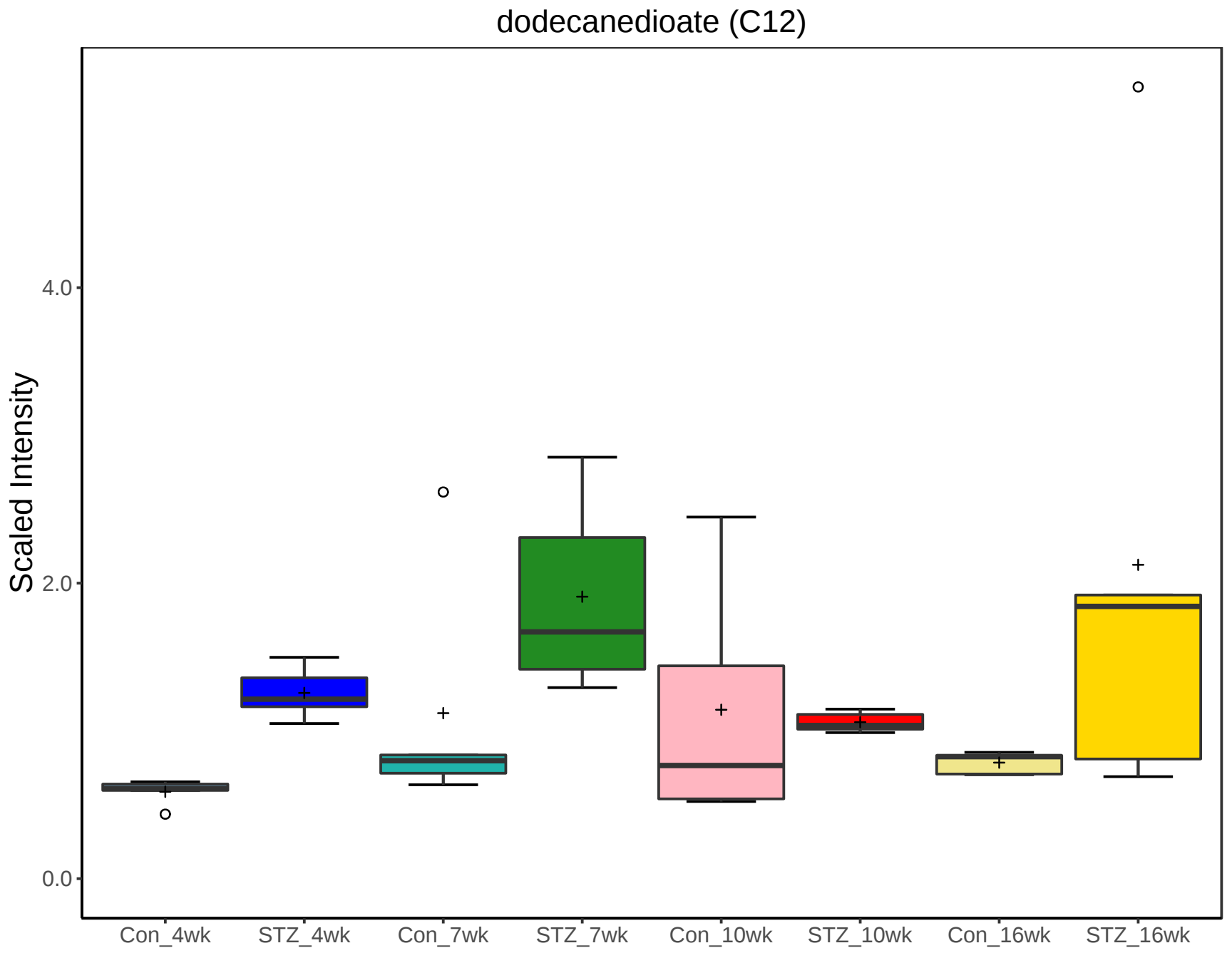

suberate (C8-DC)
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

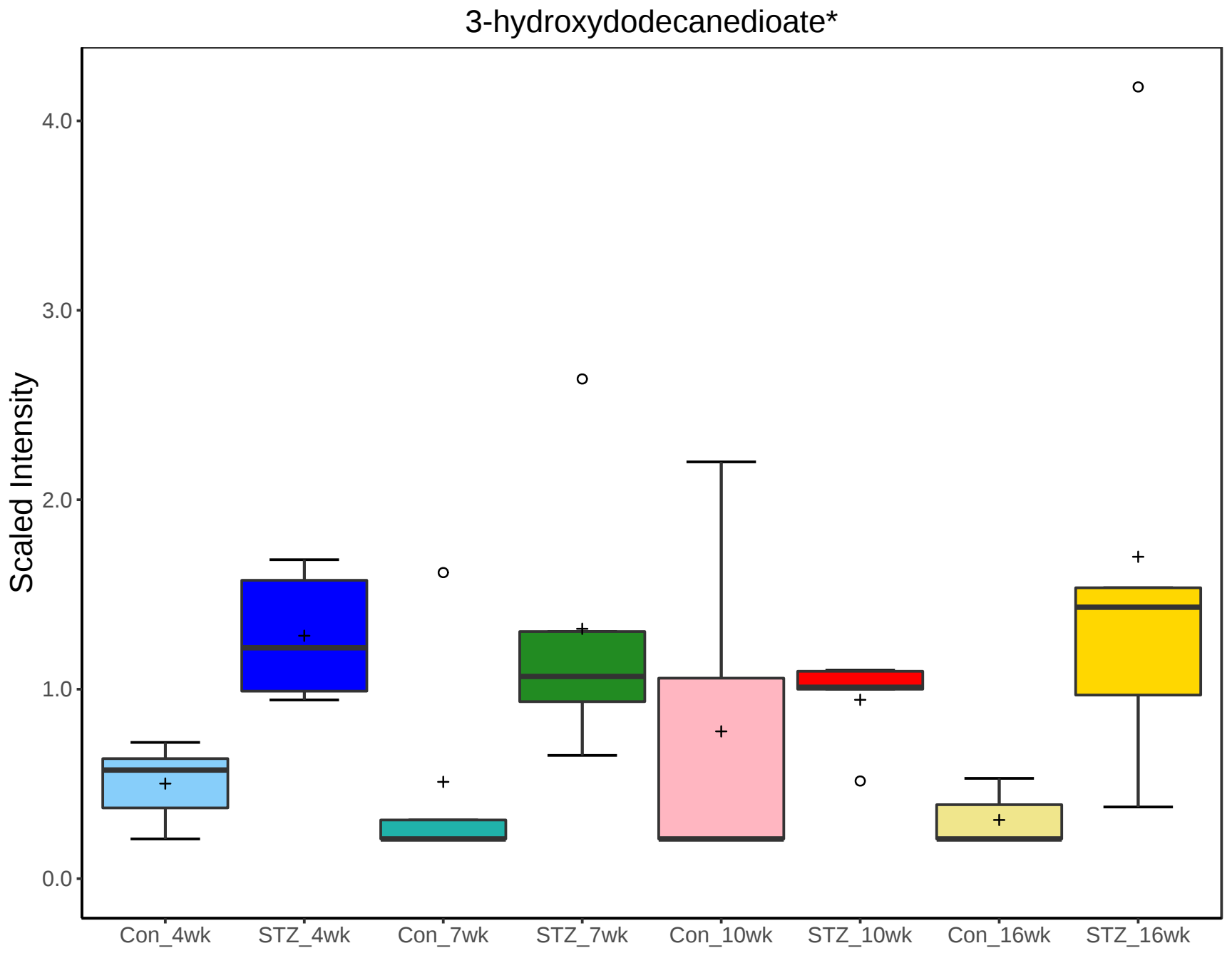

azelate (C9-DC)
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

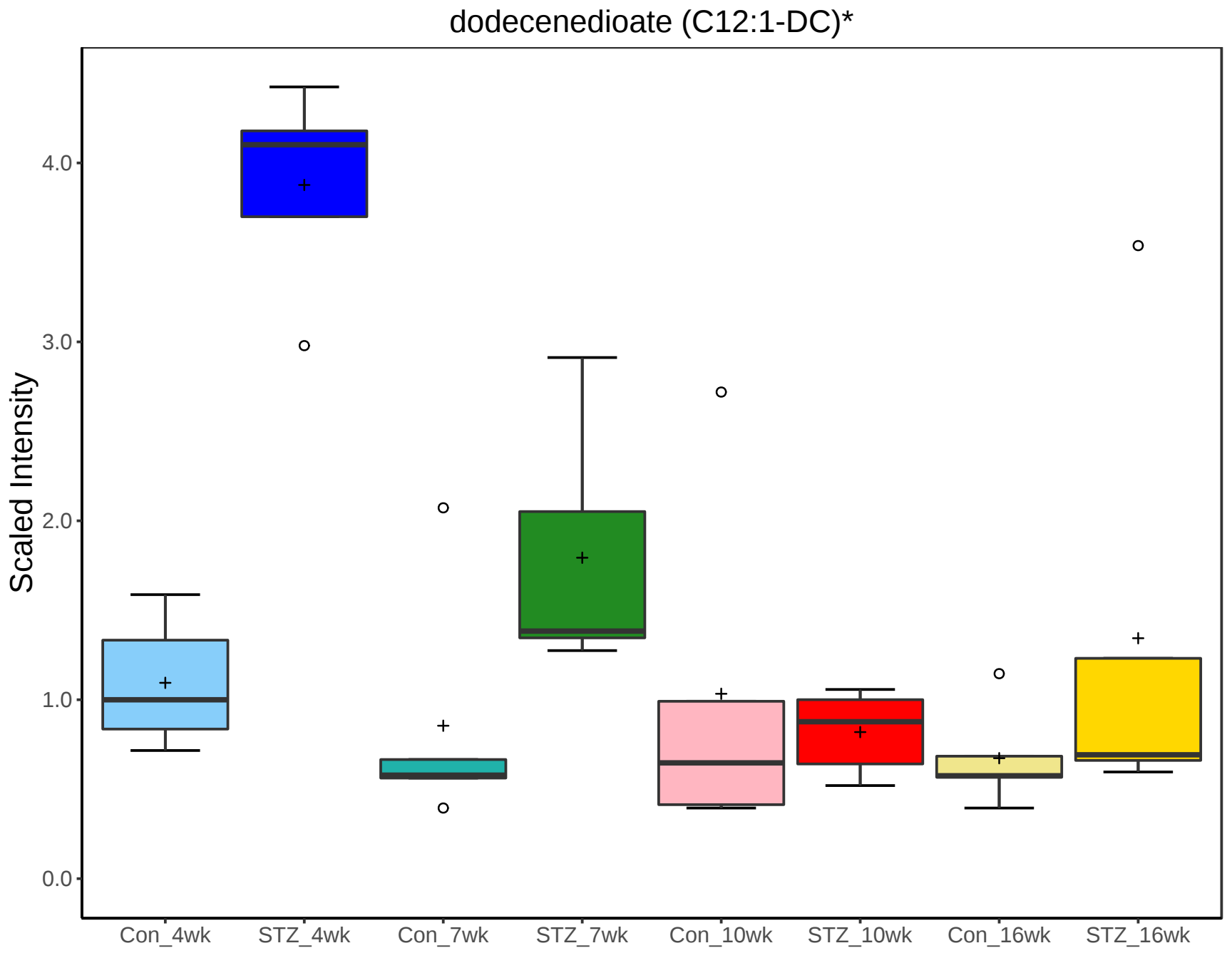

sebacate (C10-DC)
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

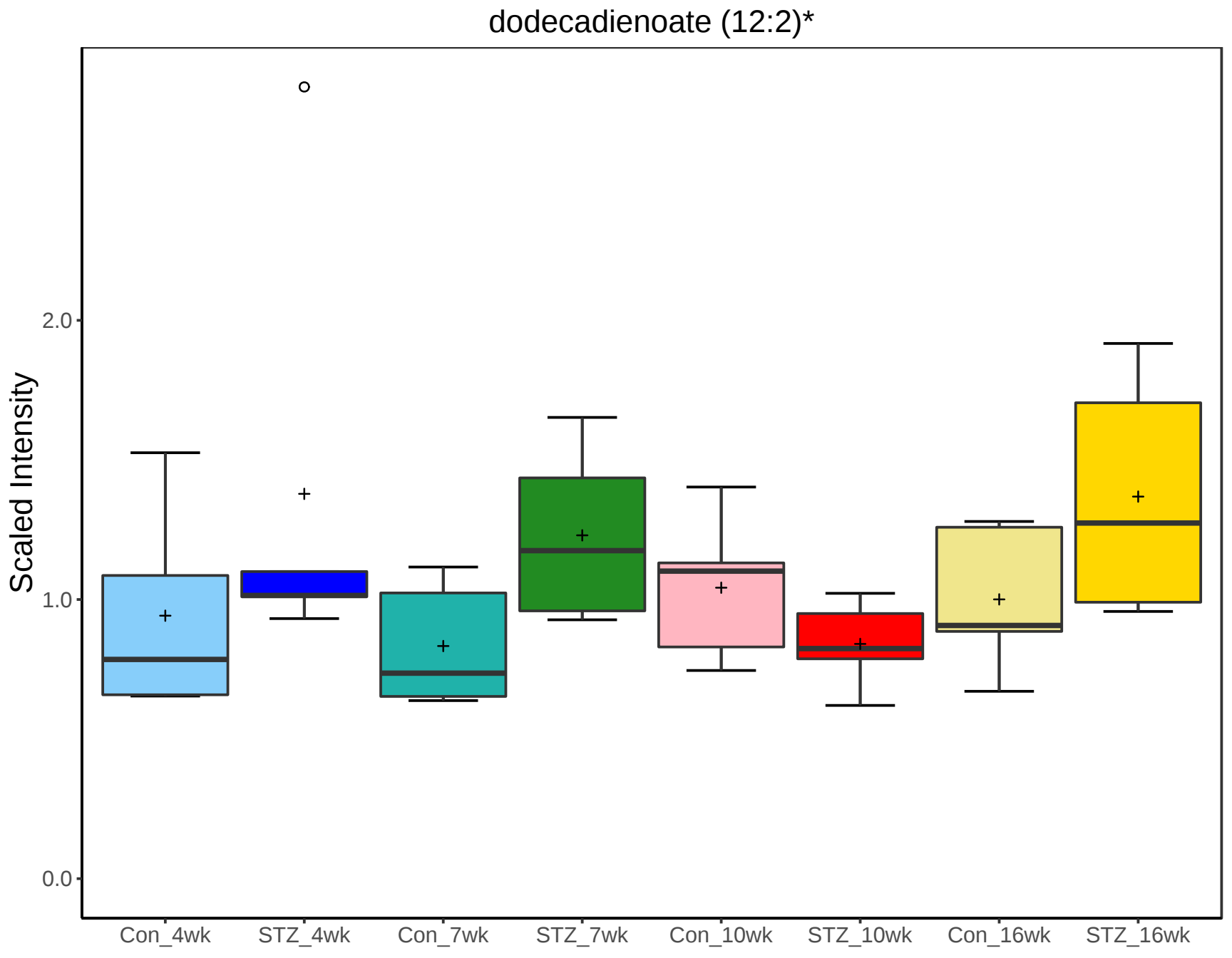

decadienedioic acid (C10:2-DC)
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

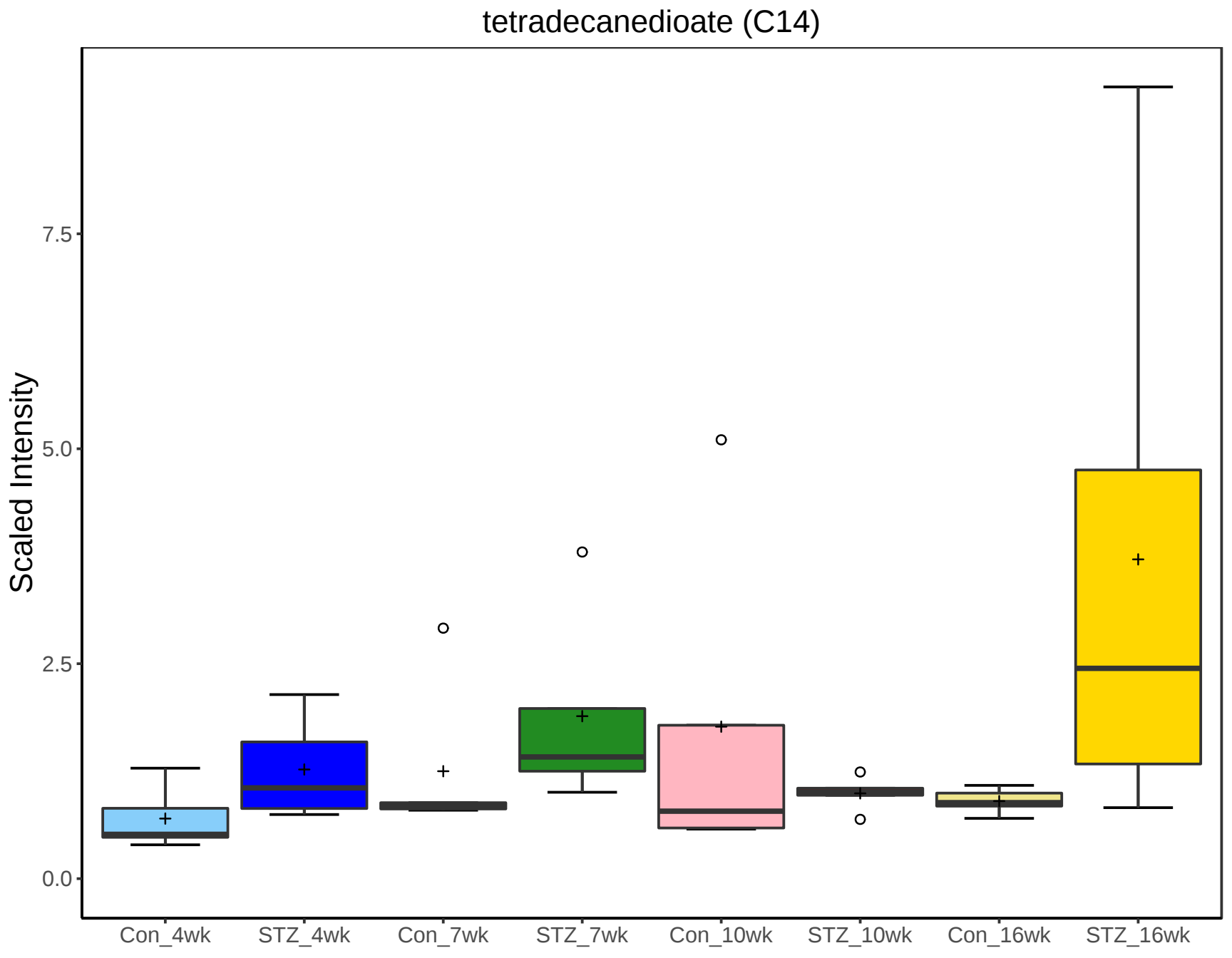

undecanedioate (C11-DC)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

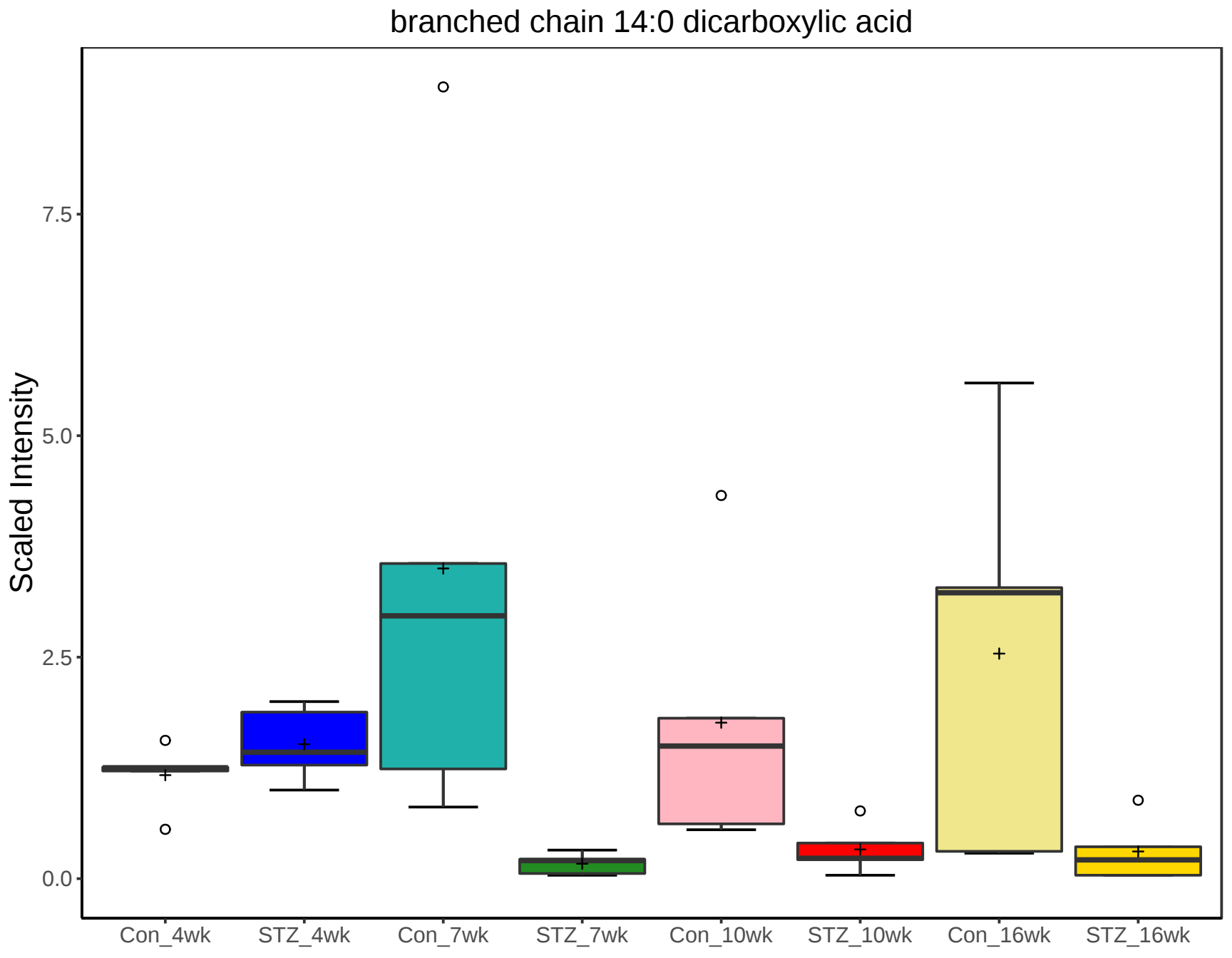

dodecanedioate (C12)
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

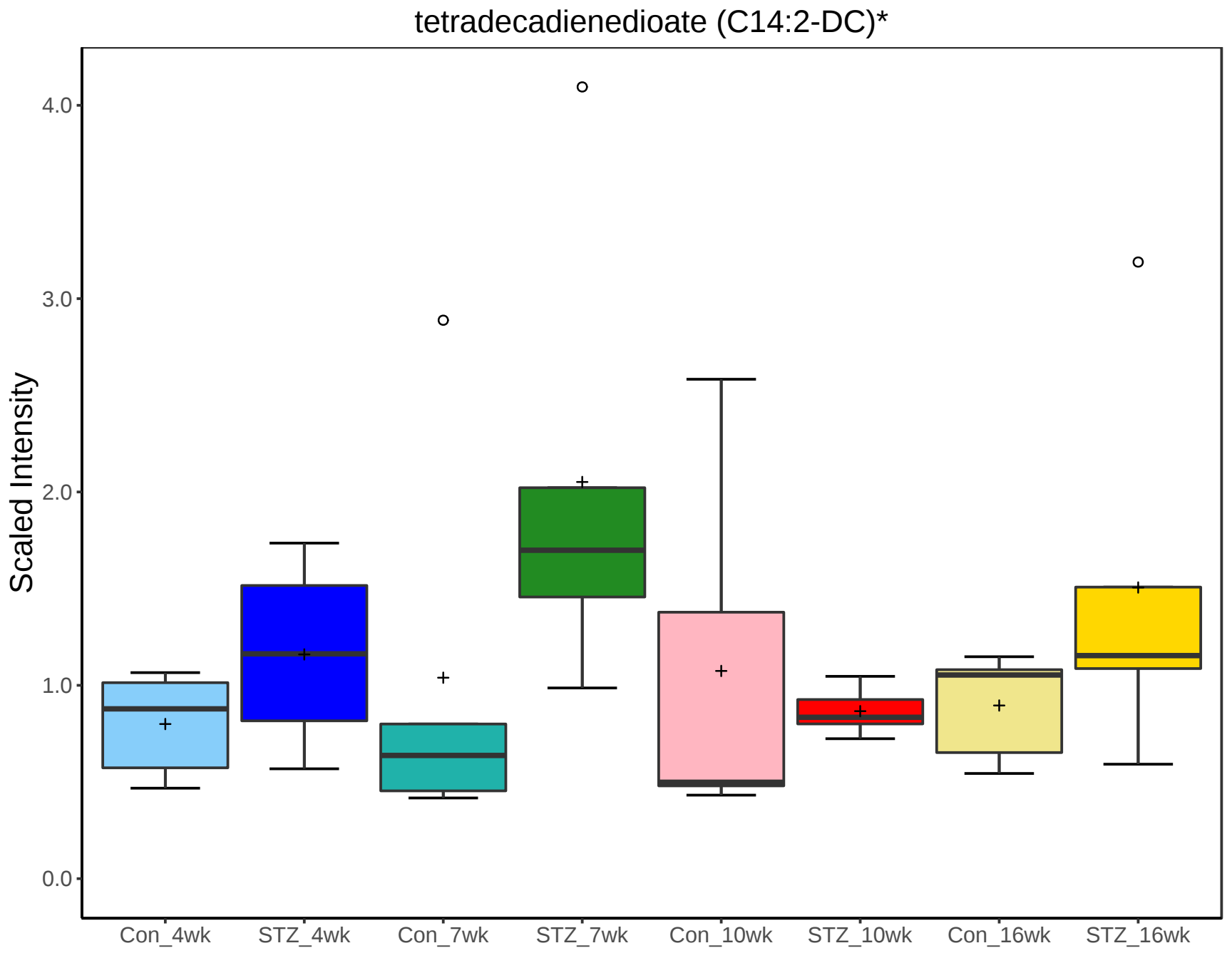

3-hydroxydodecanedioate*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

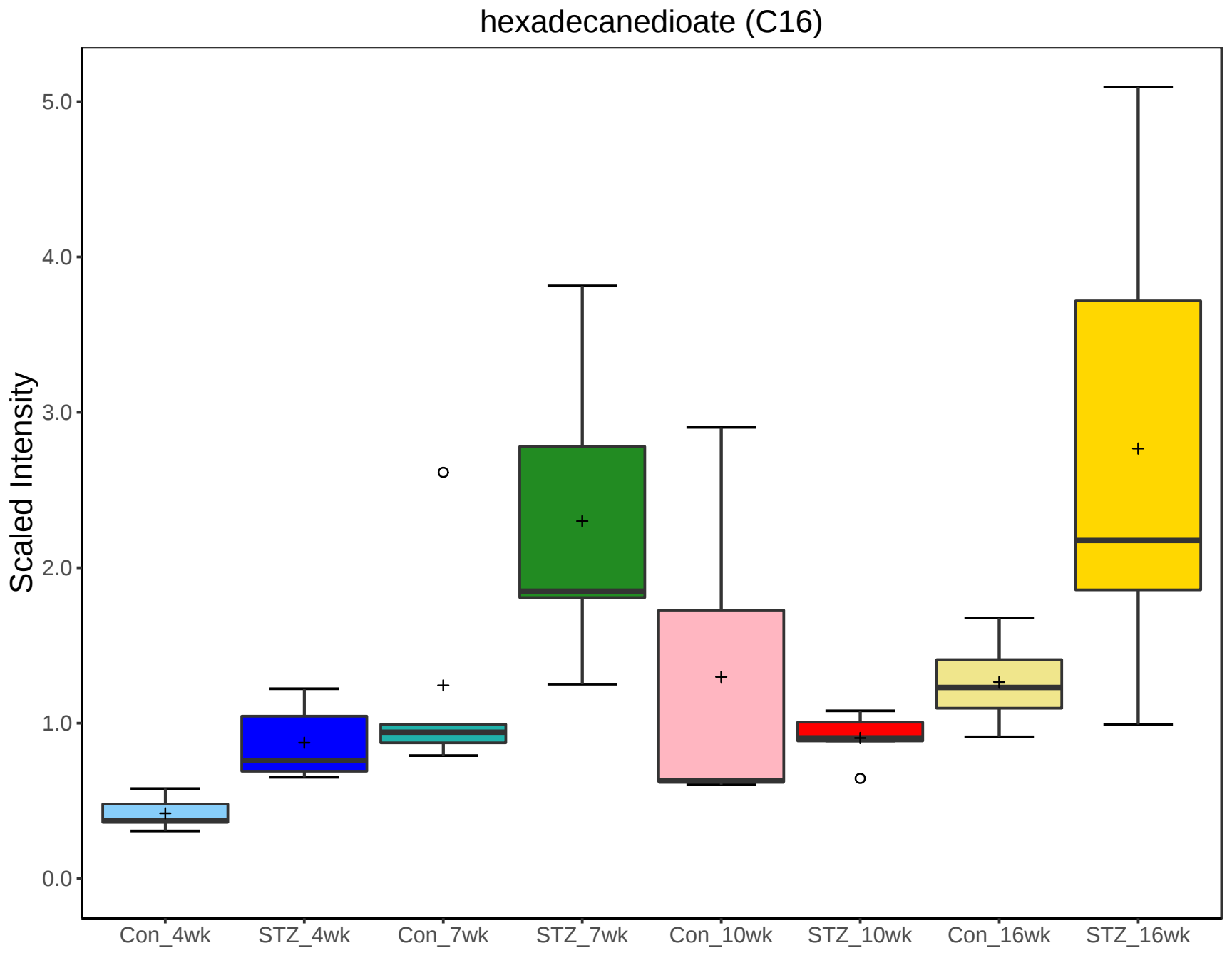

dodecenedioate (C12:1-DC)*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

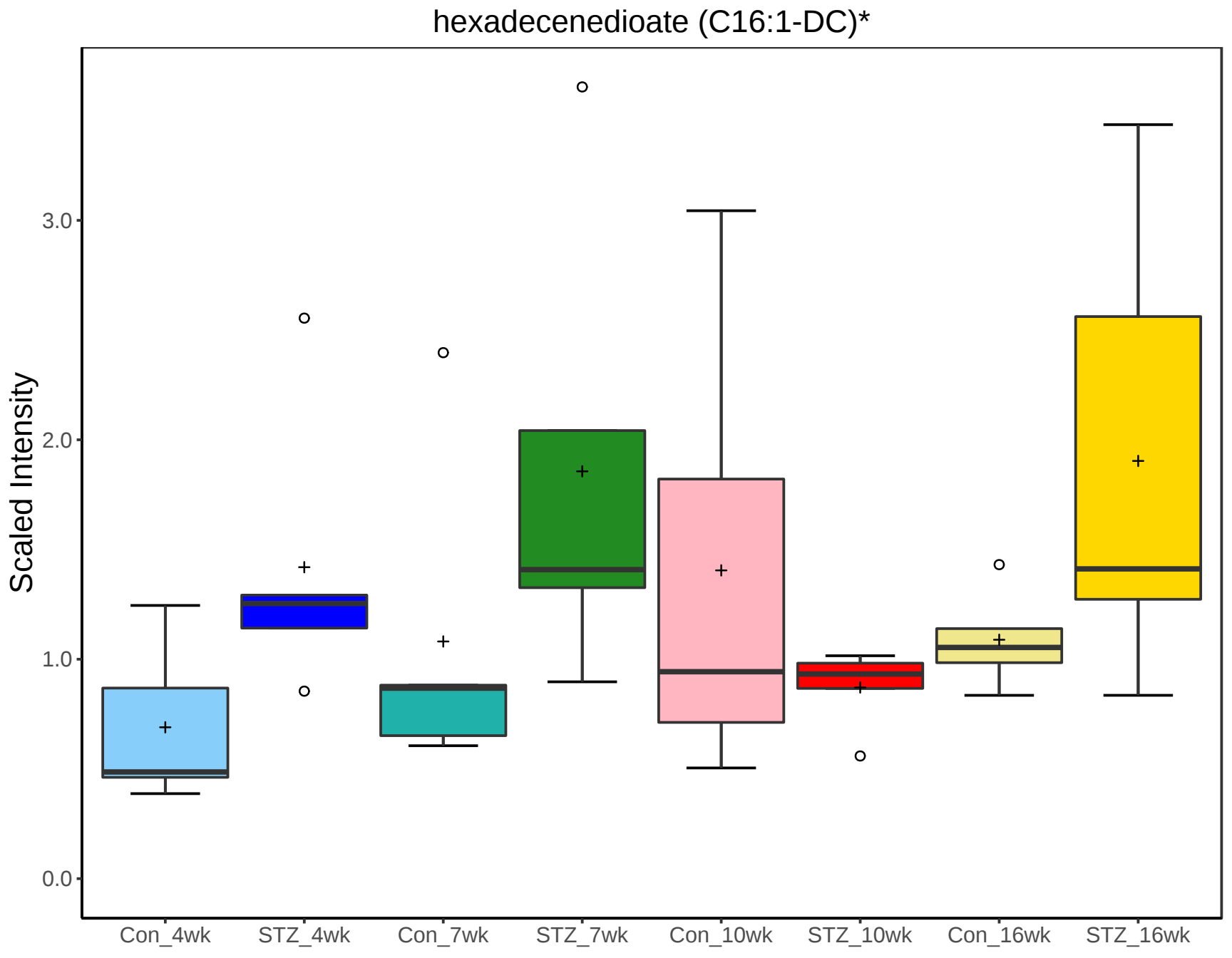

dodecadienoate (12:2)*
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

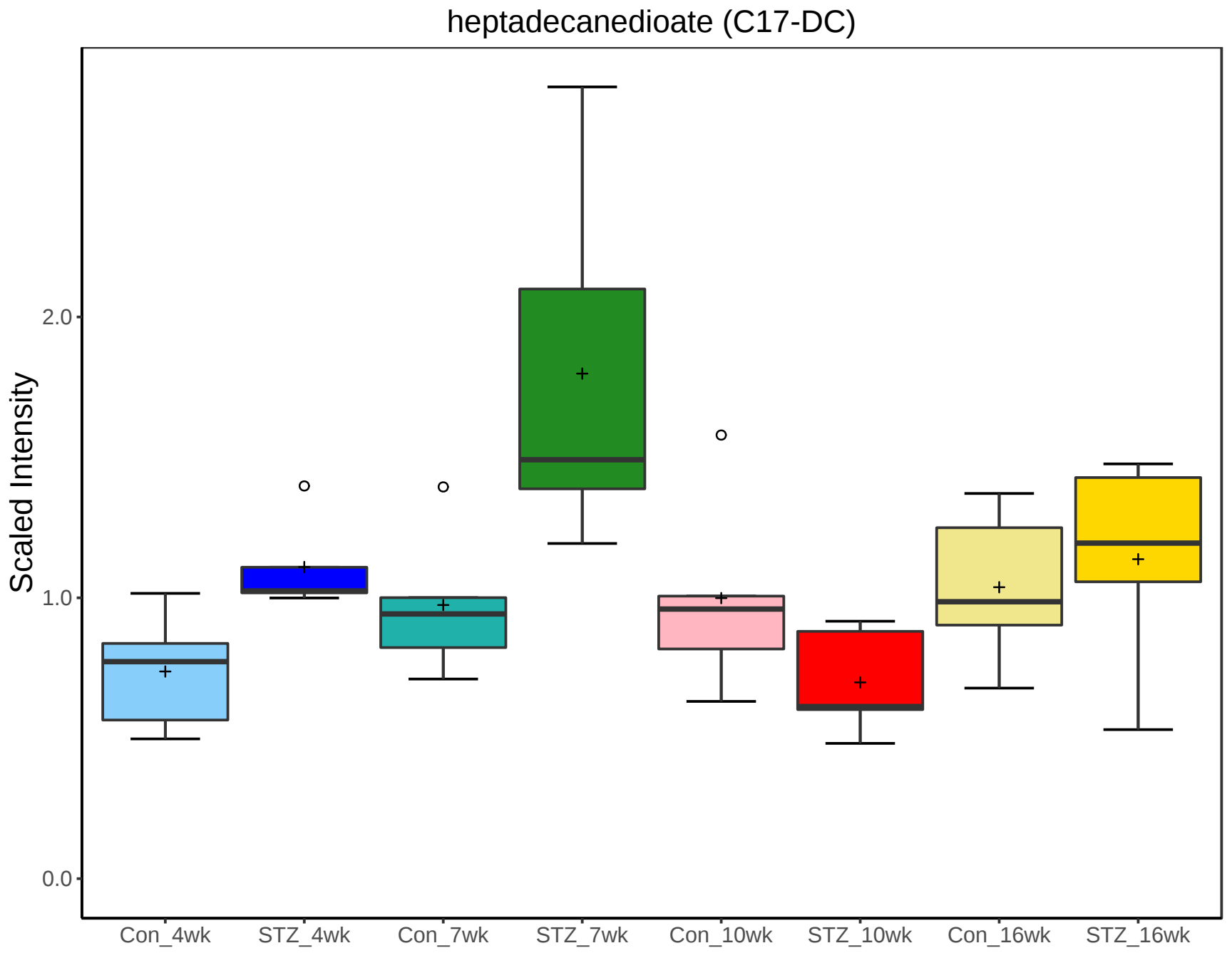

tetradecanedioate (C14)
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

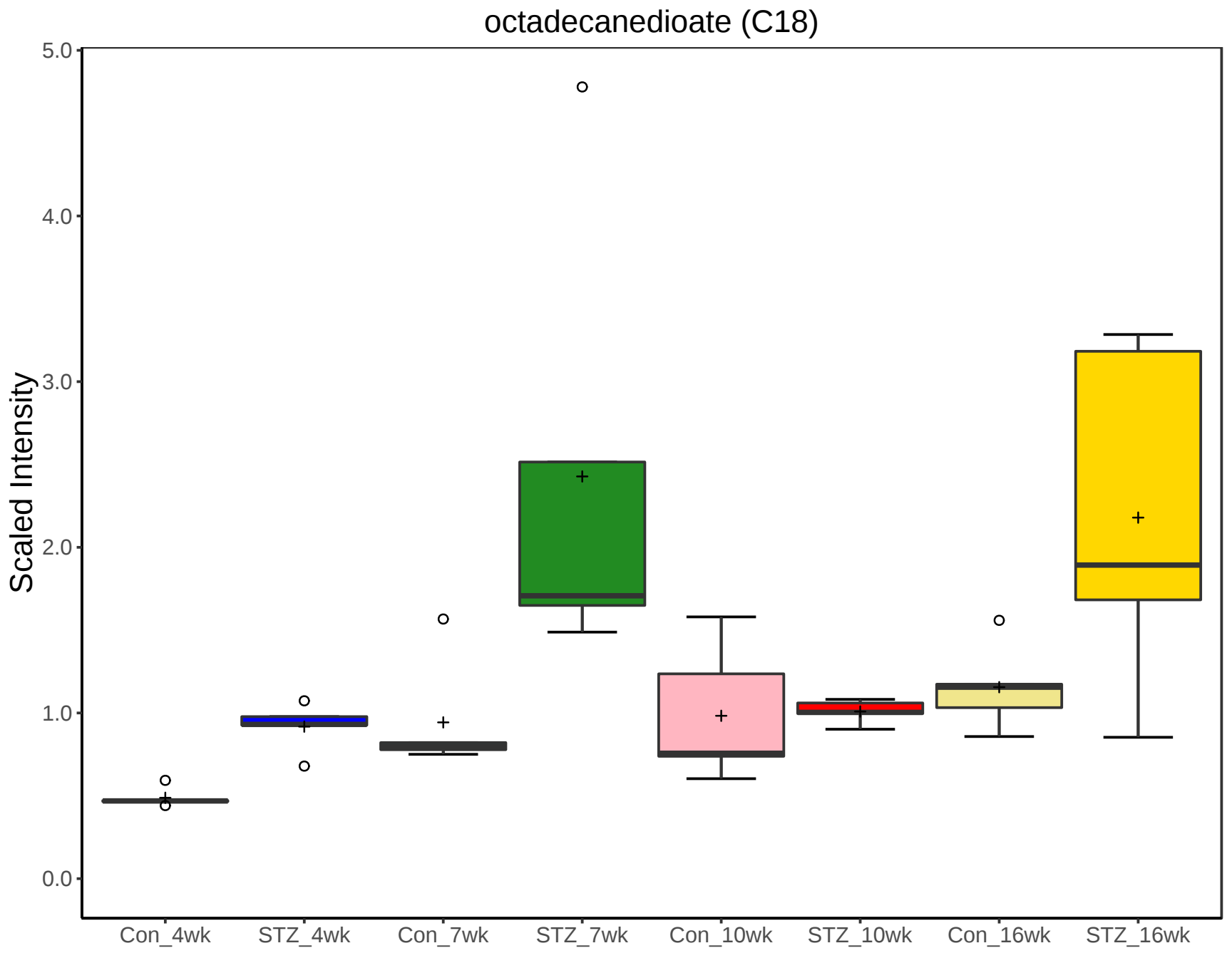

branched chain 14:0 dicarboxylic acid
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

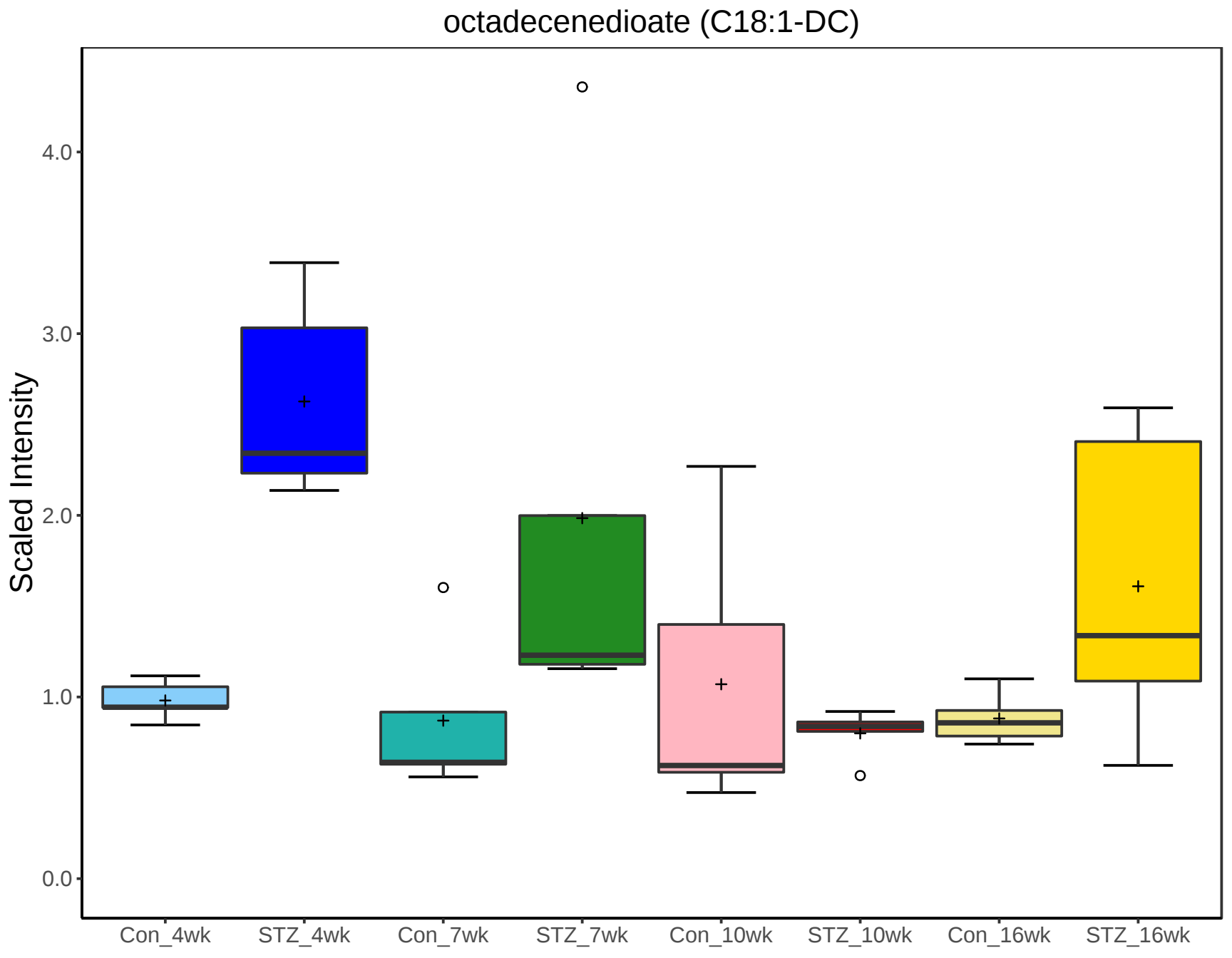

tetradecadienedioate (C14:2-DC)*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

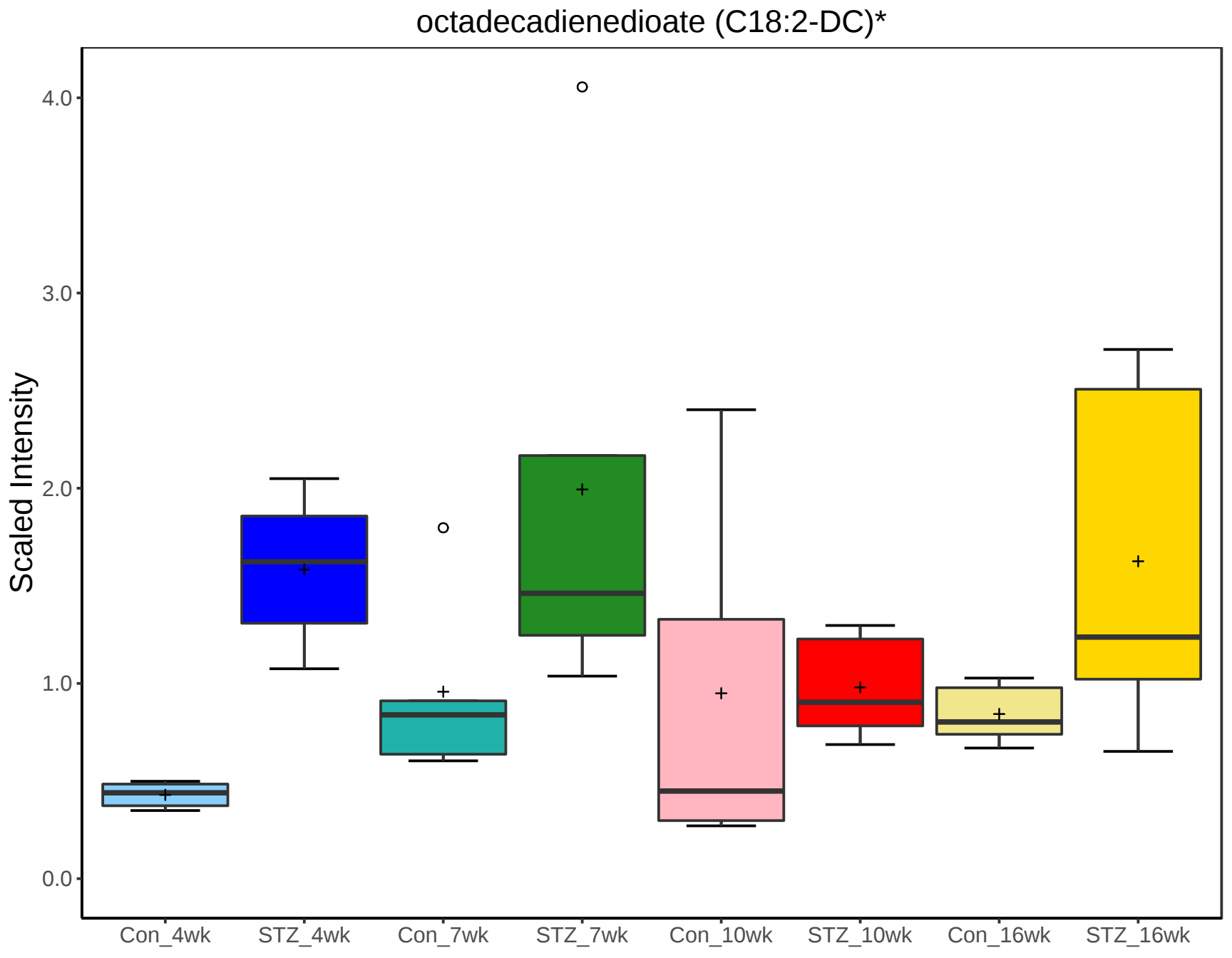

hexadecanedioate (C16)
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

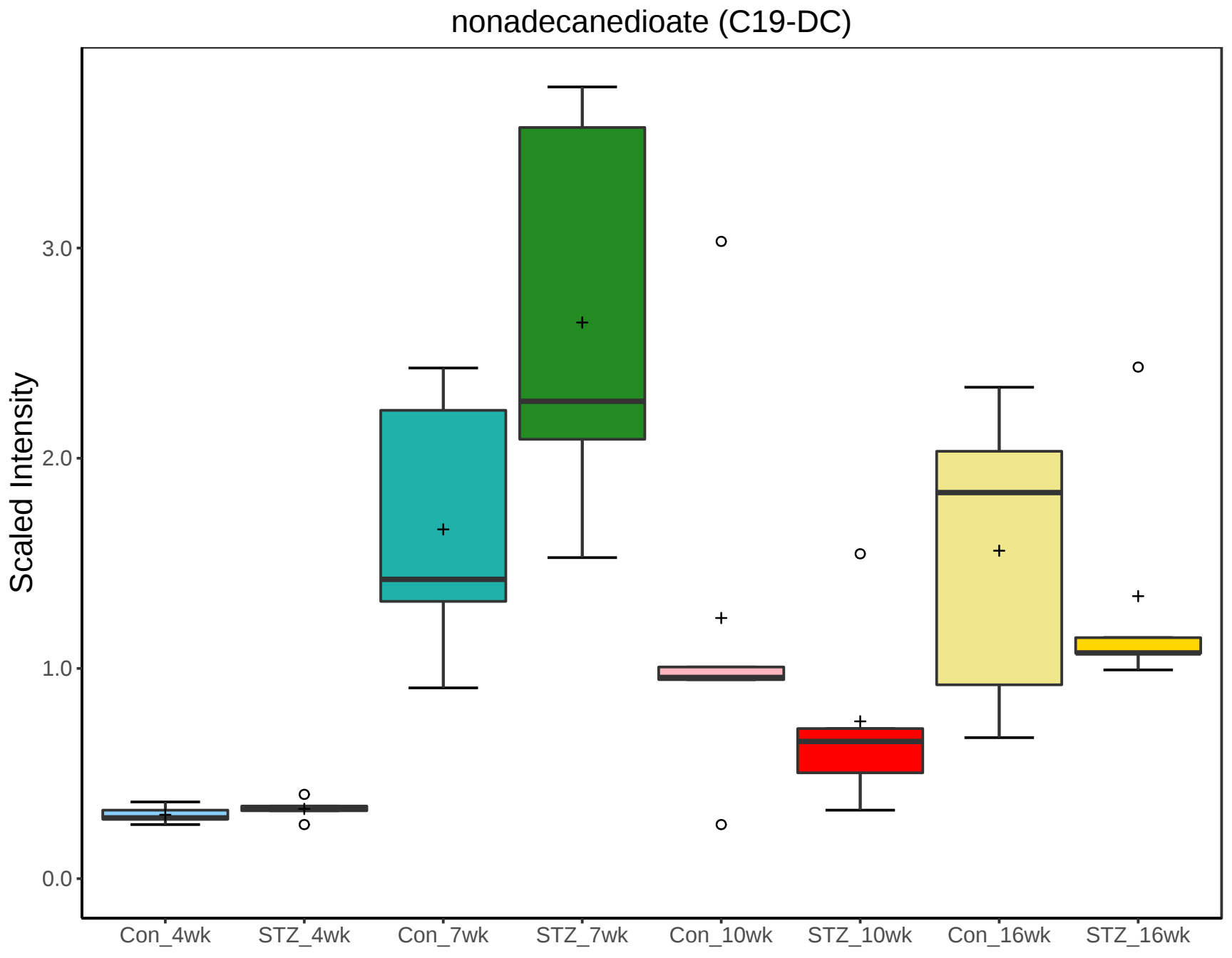

hexadecenedioate (C16:1-DC)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

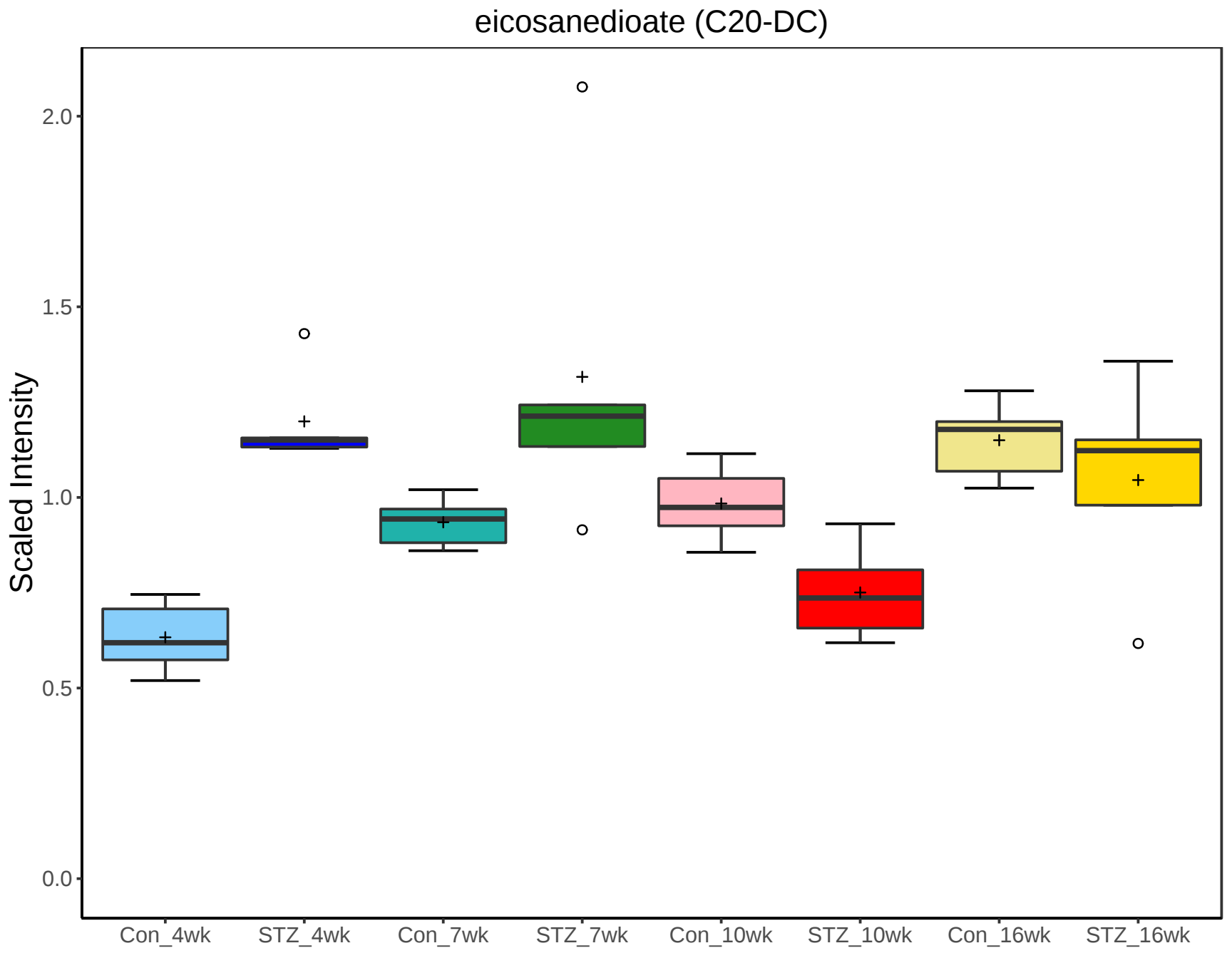

heptadecanedioate (C17-DC)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

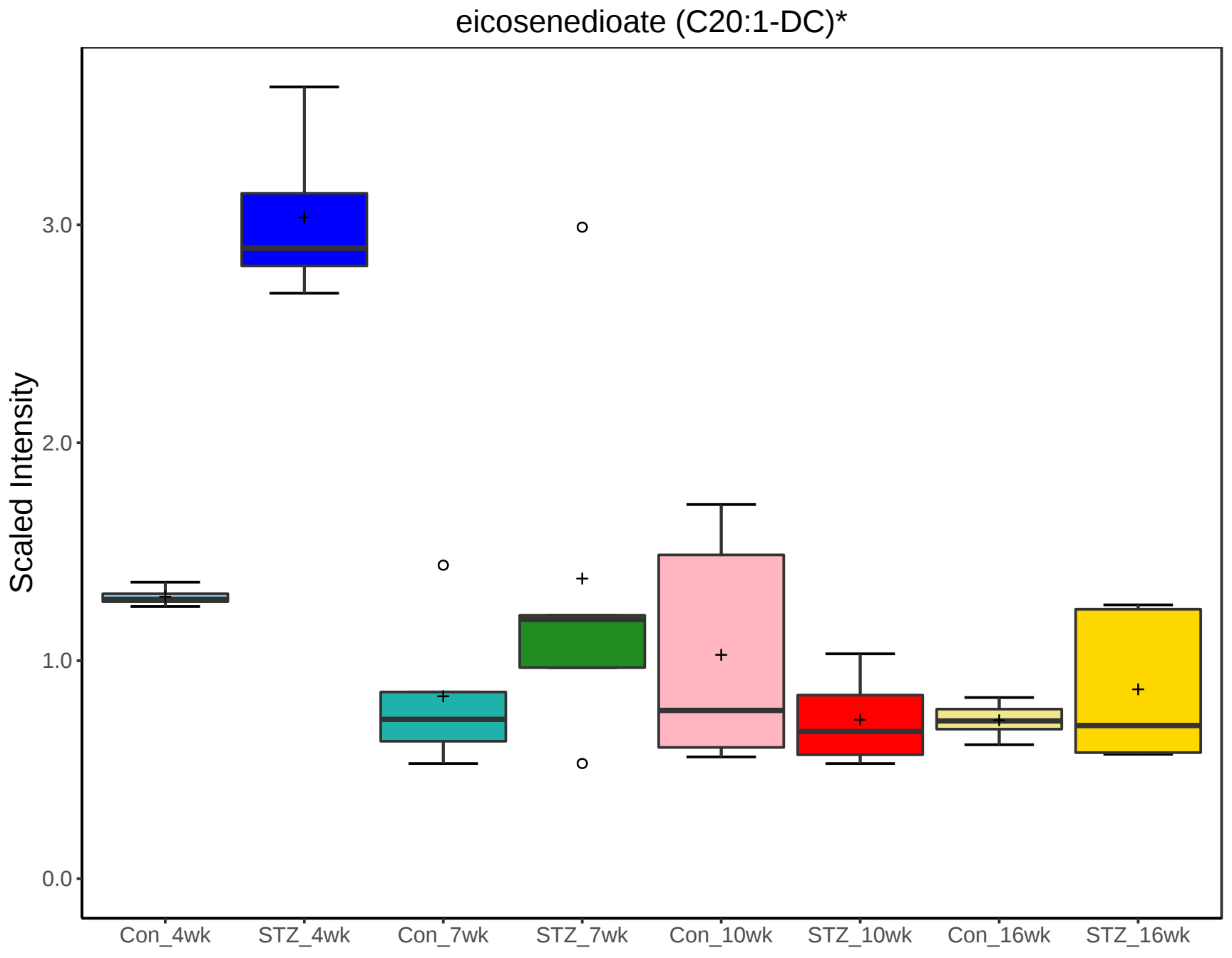

octadecanedioate (C18)
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

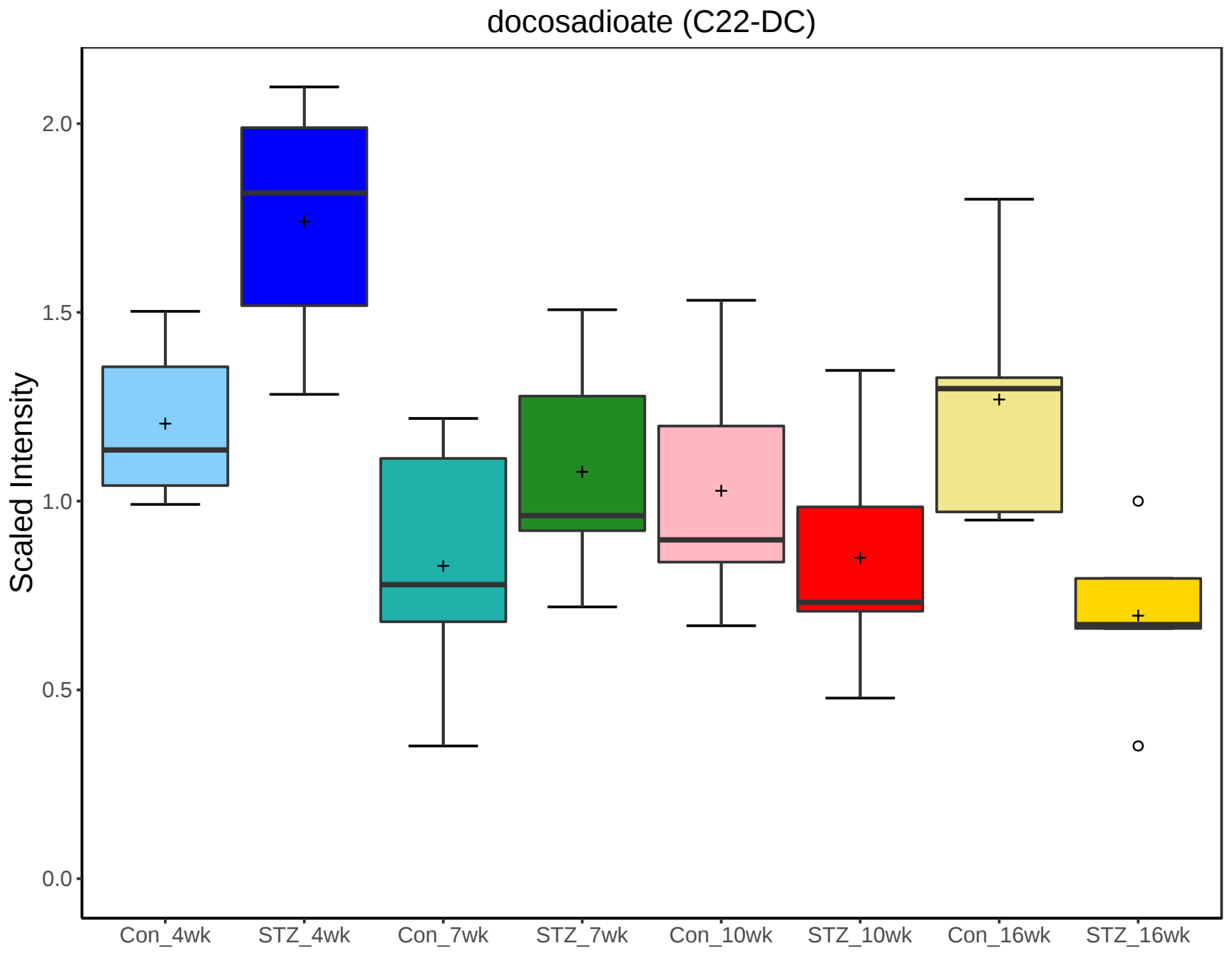

octadecenedioate (C18:1-DC)
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

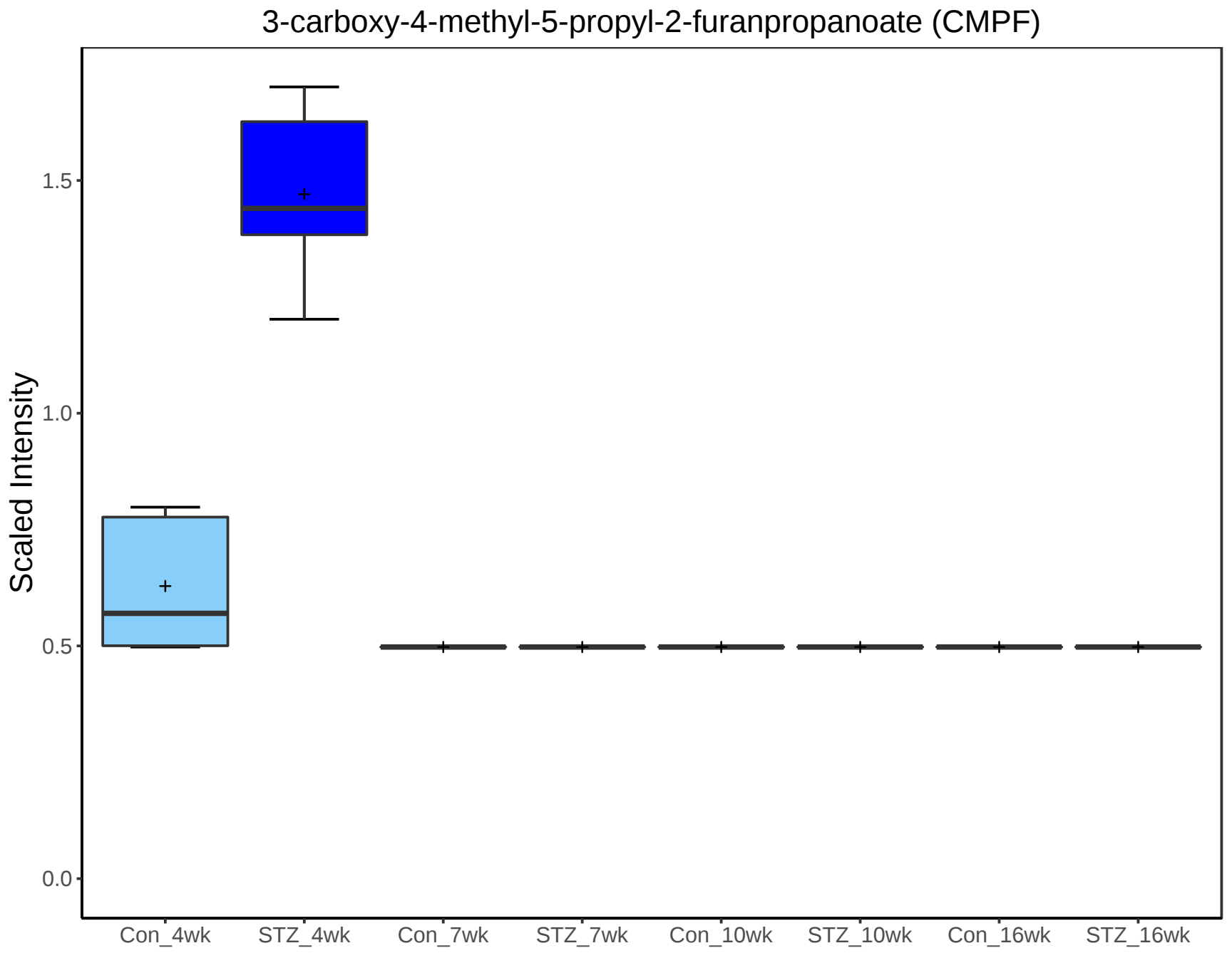

octadecadienedioate (C18:2-DC)*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

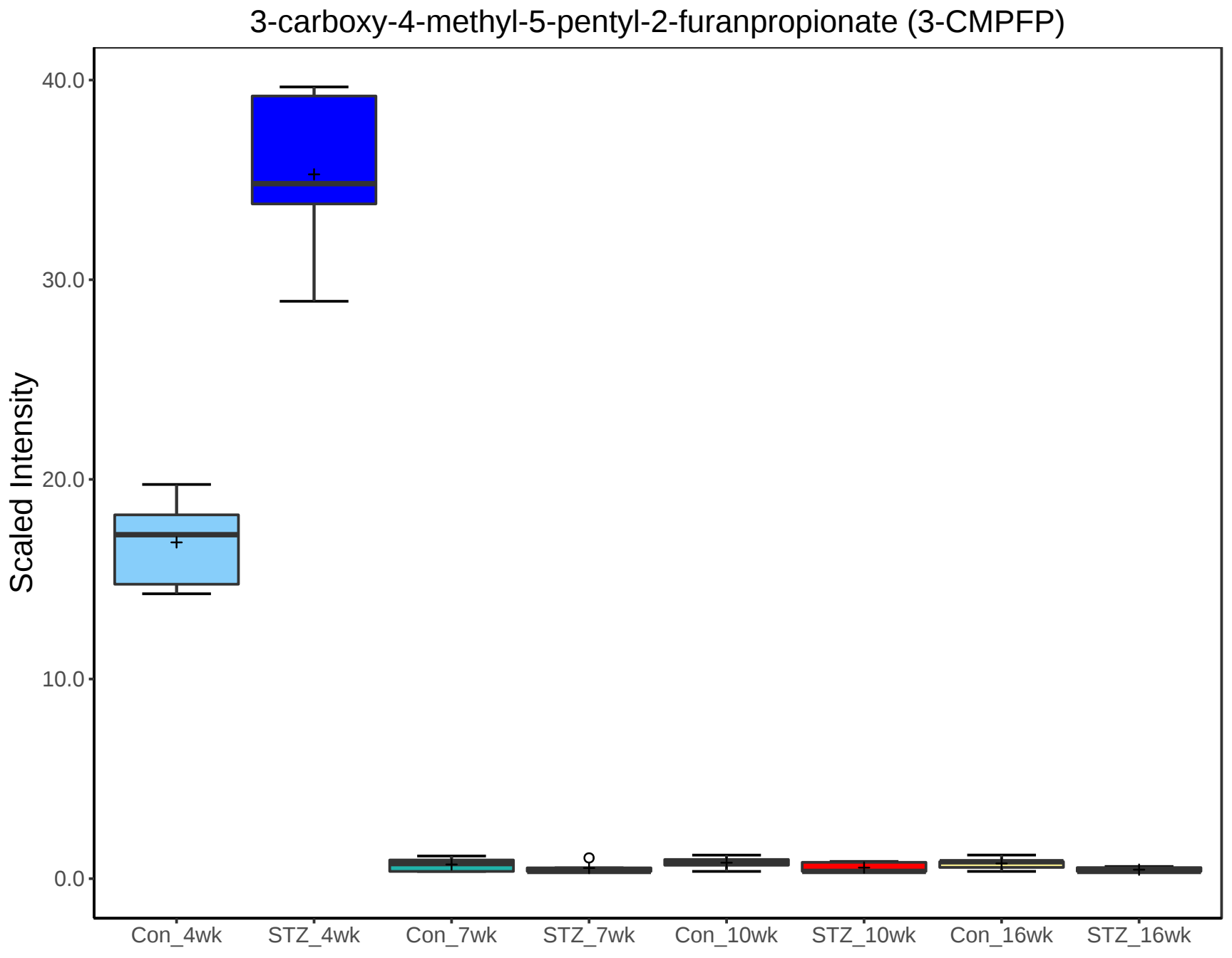

nonadecanedioate (C19-DC)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

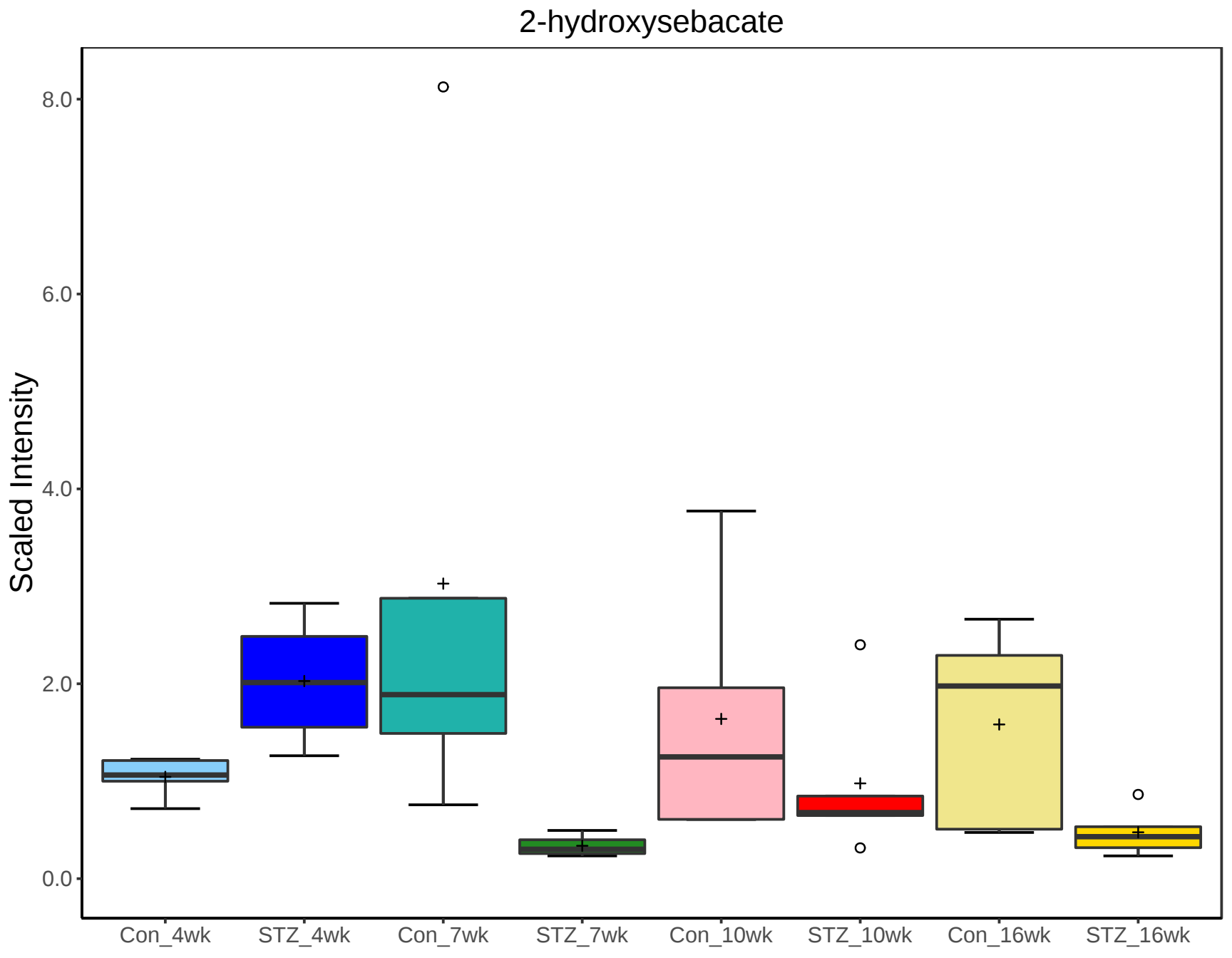

eicosanedioate (C20-DC)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

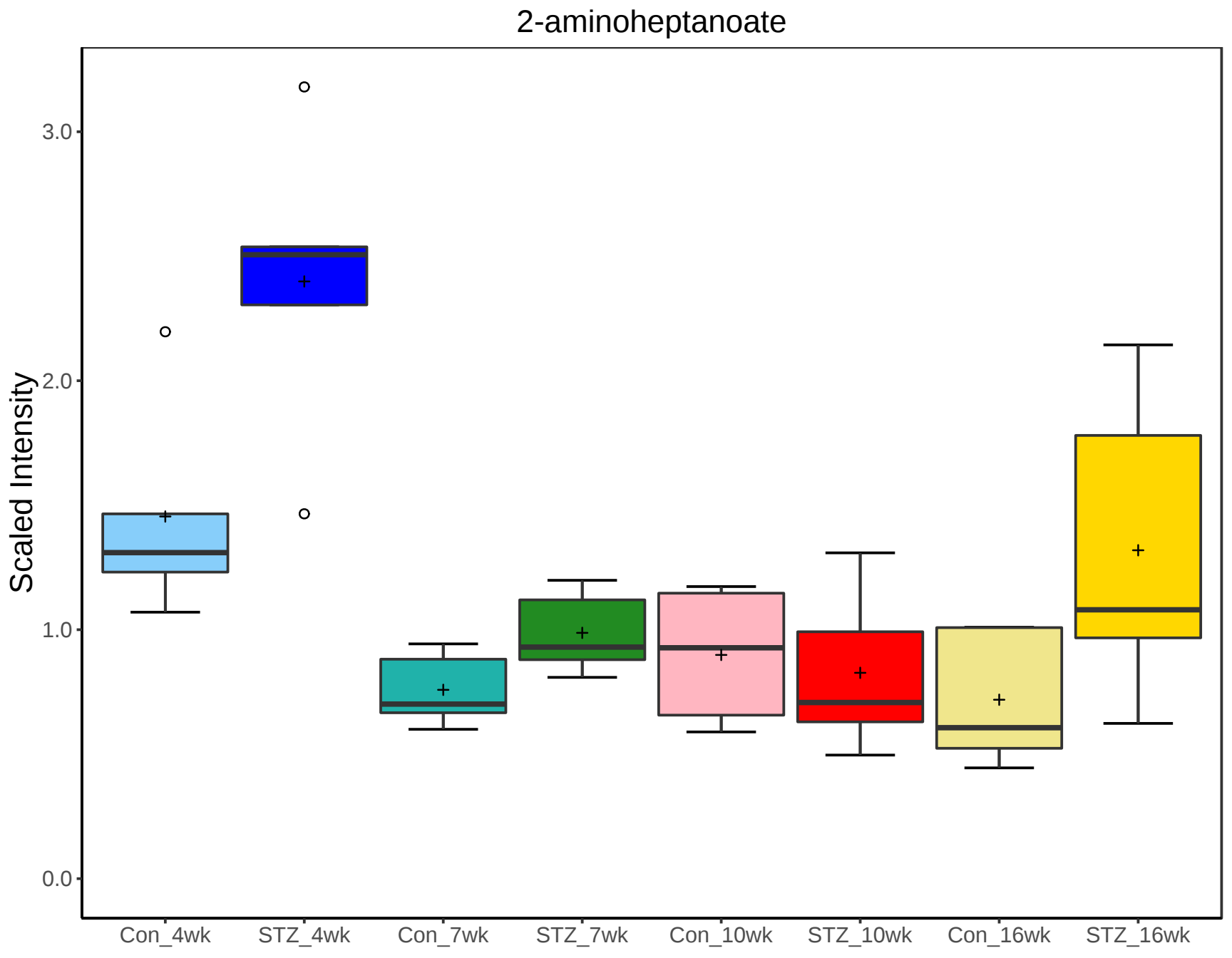

eicosenedioate (C20:1-DC)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

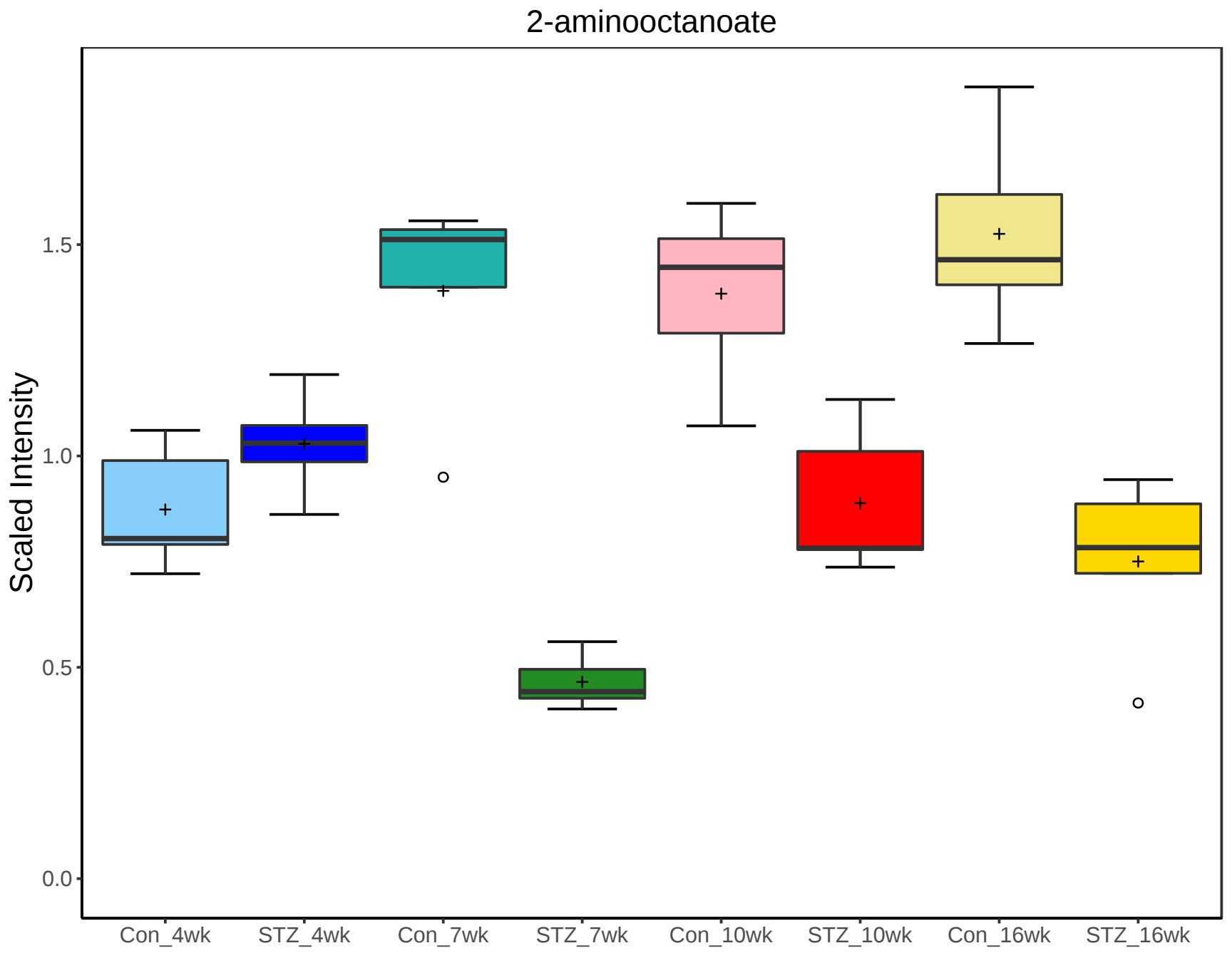

docosadioate (C22-DC)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

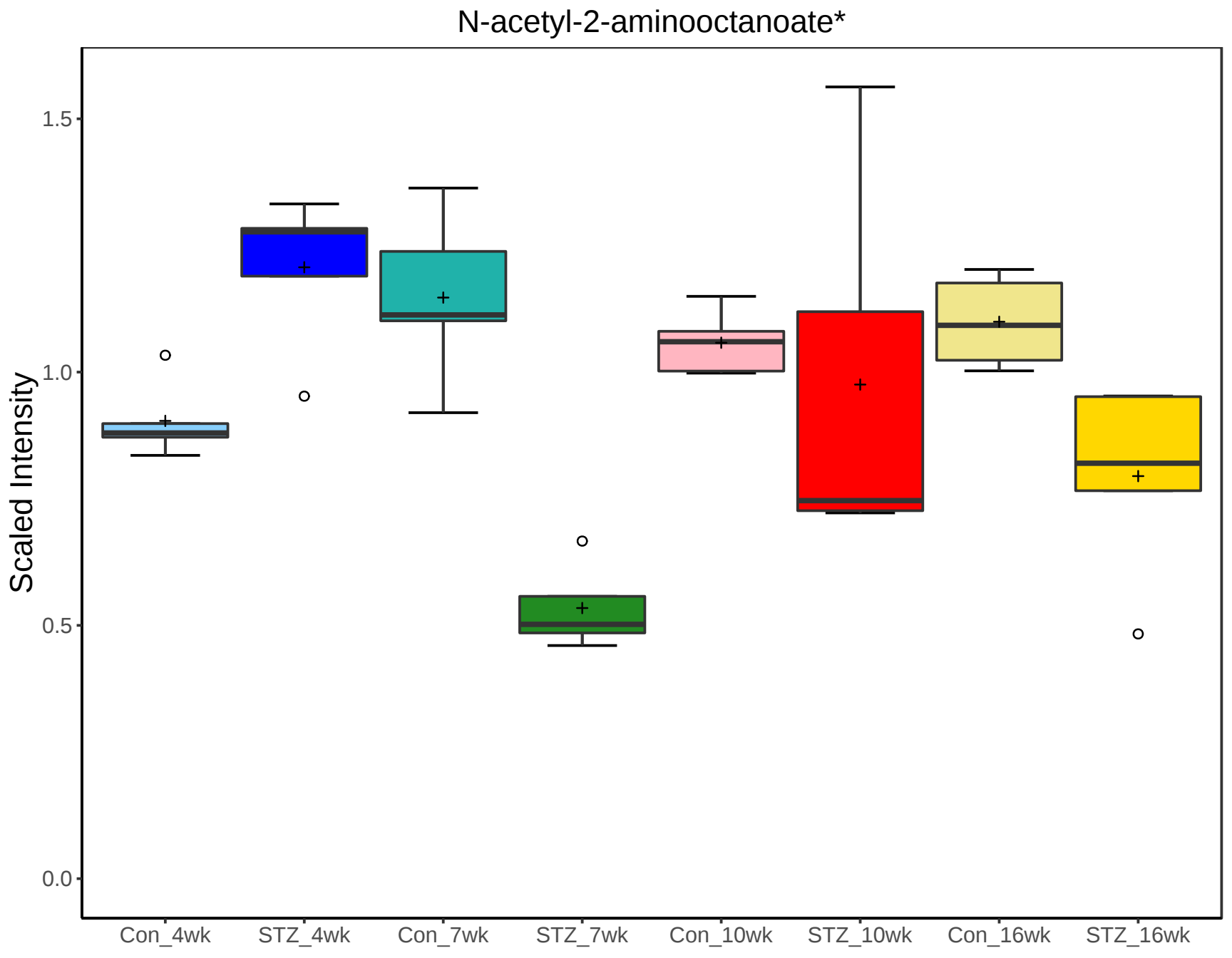

3-carboxy-4-methyl-5-propyl-2-furanpropanoate (CMPF)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

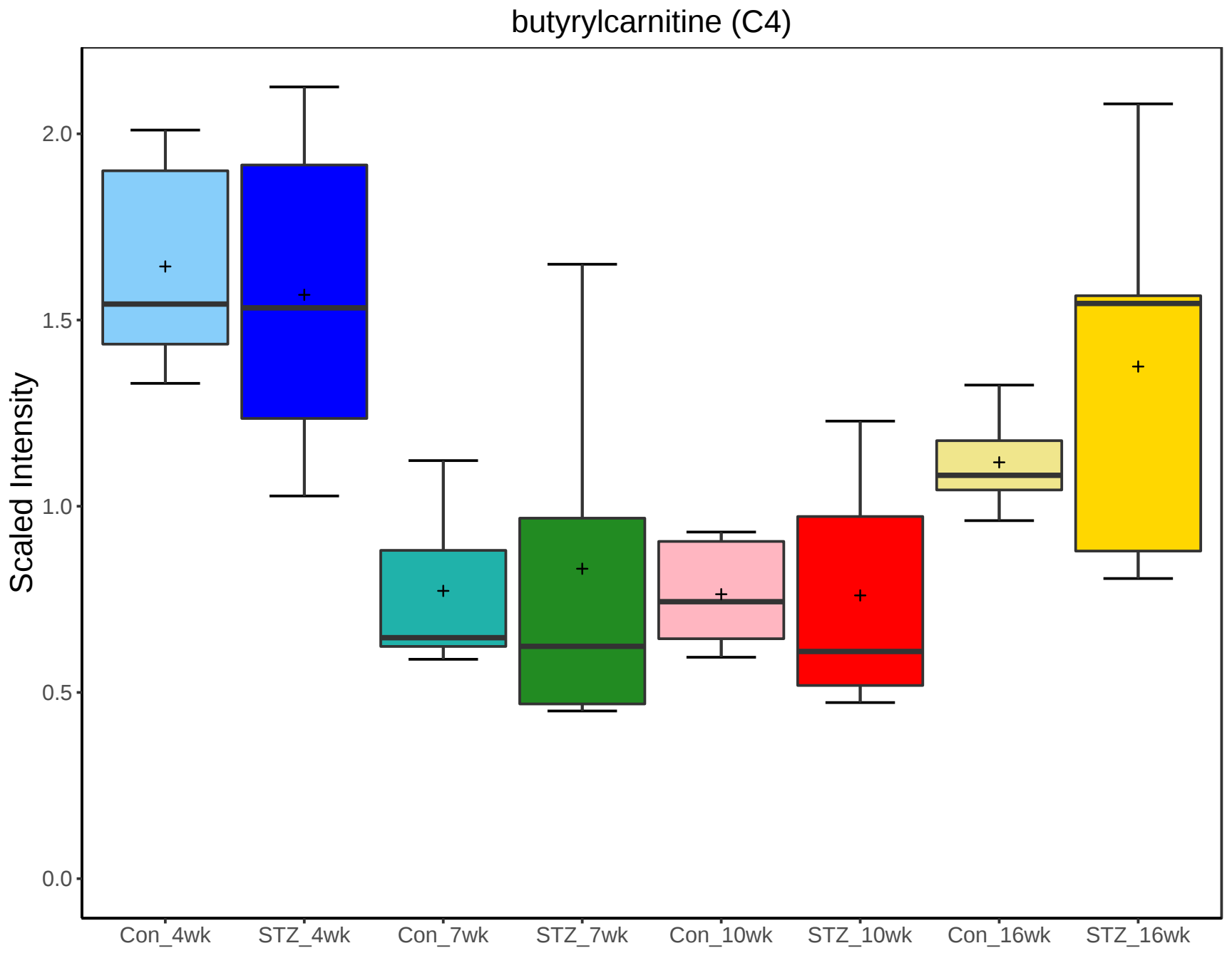

3-carboxy-4-methyl-5-pentyl-2-furanpropionate (3-CMPFP)
Scaled Intensity
40.0
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

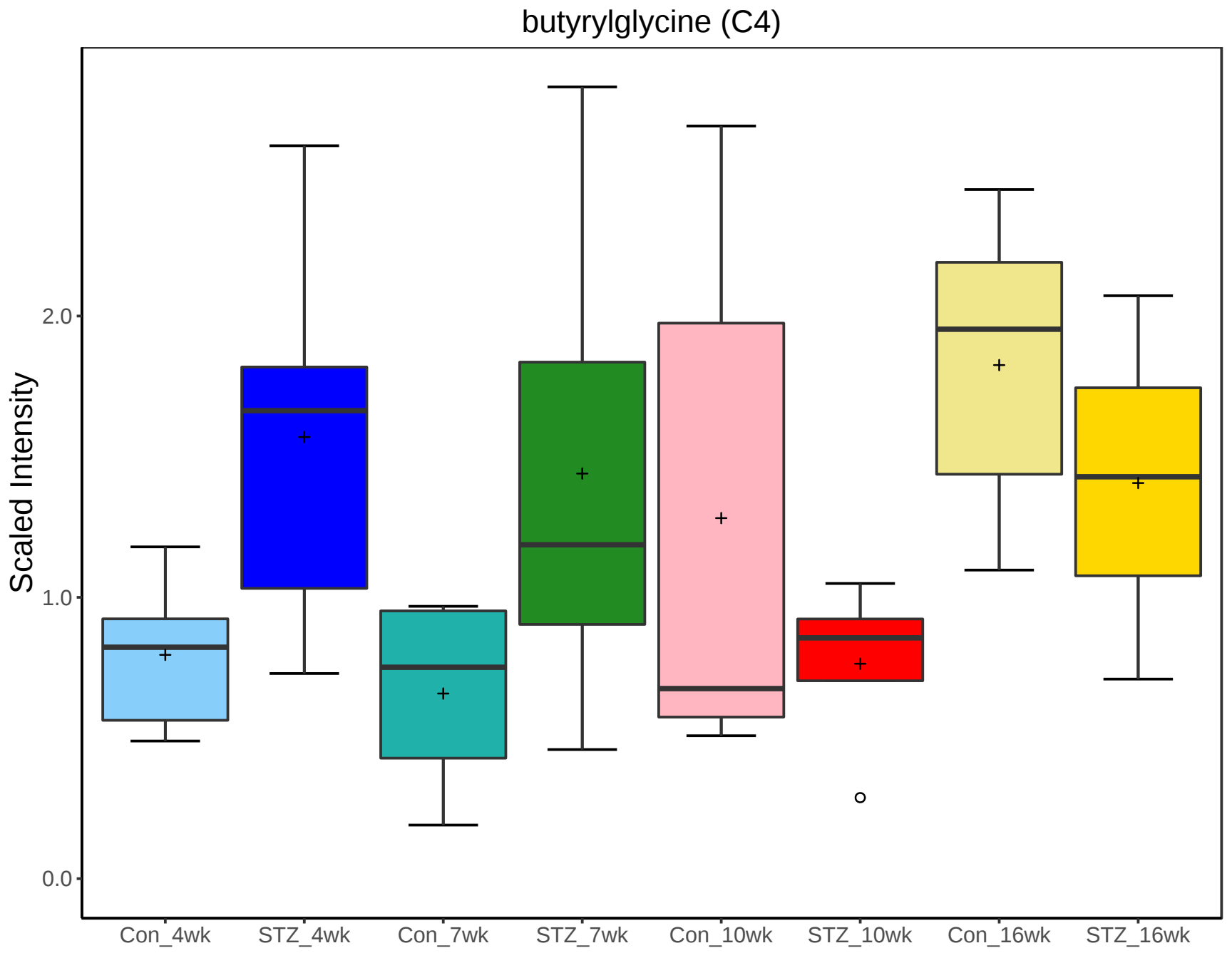

2-hydroxysebacate
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

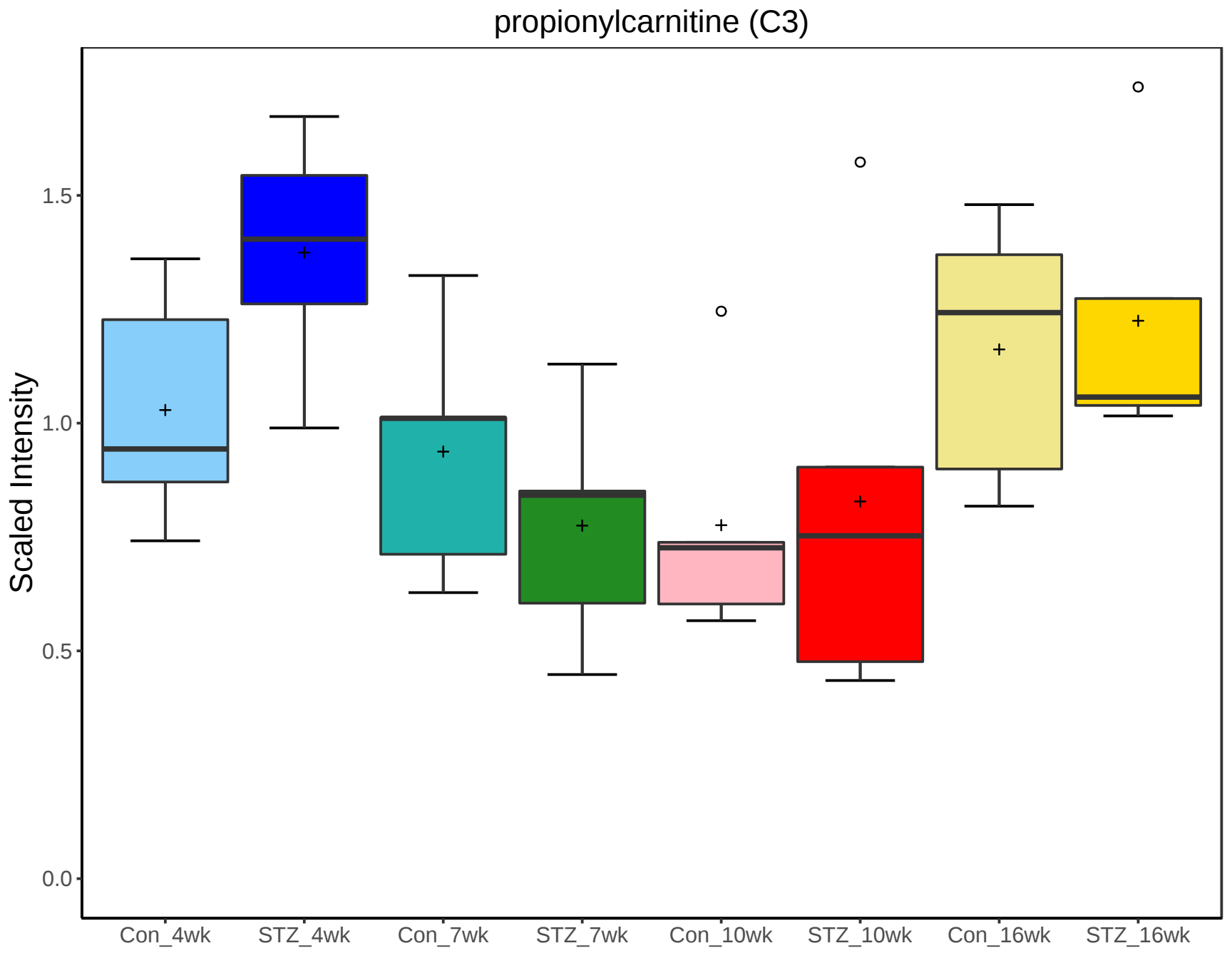

2-aminoheptanoate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

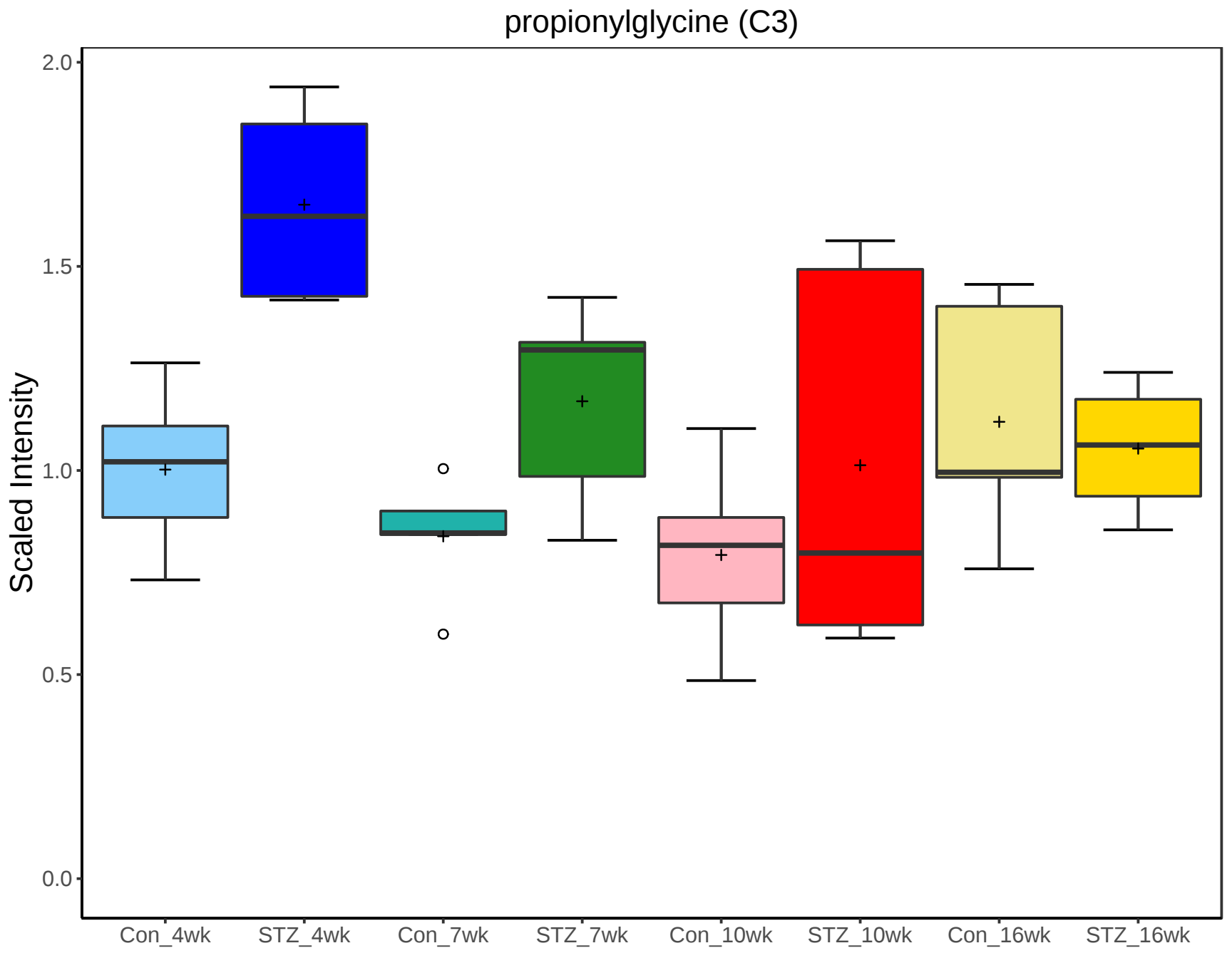

2-aminooctanoate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

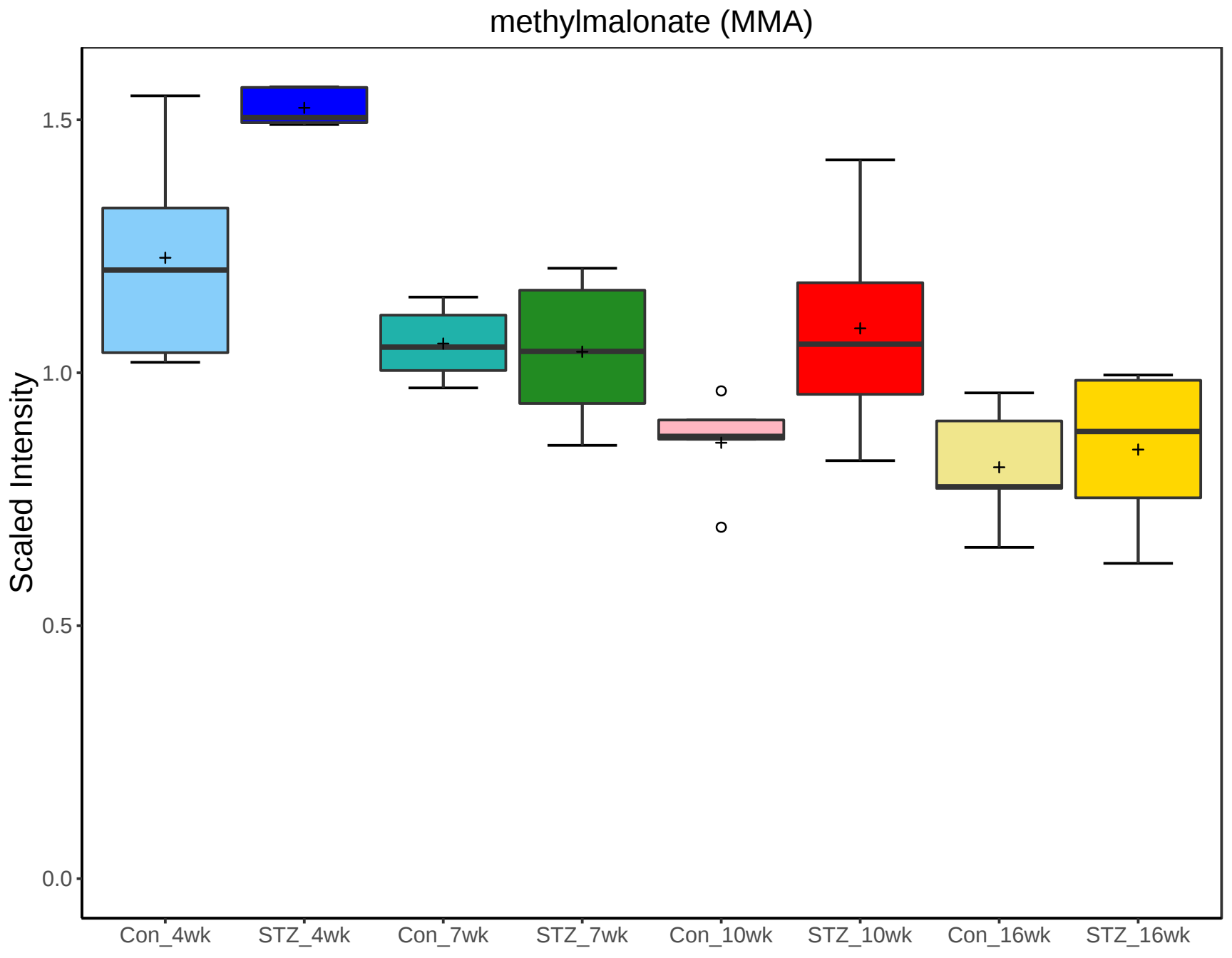

N-acetyl-2-aminooctanoate*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

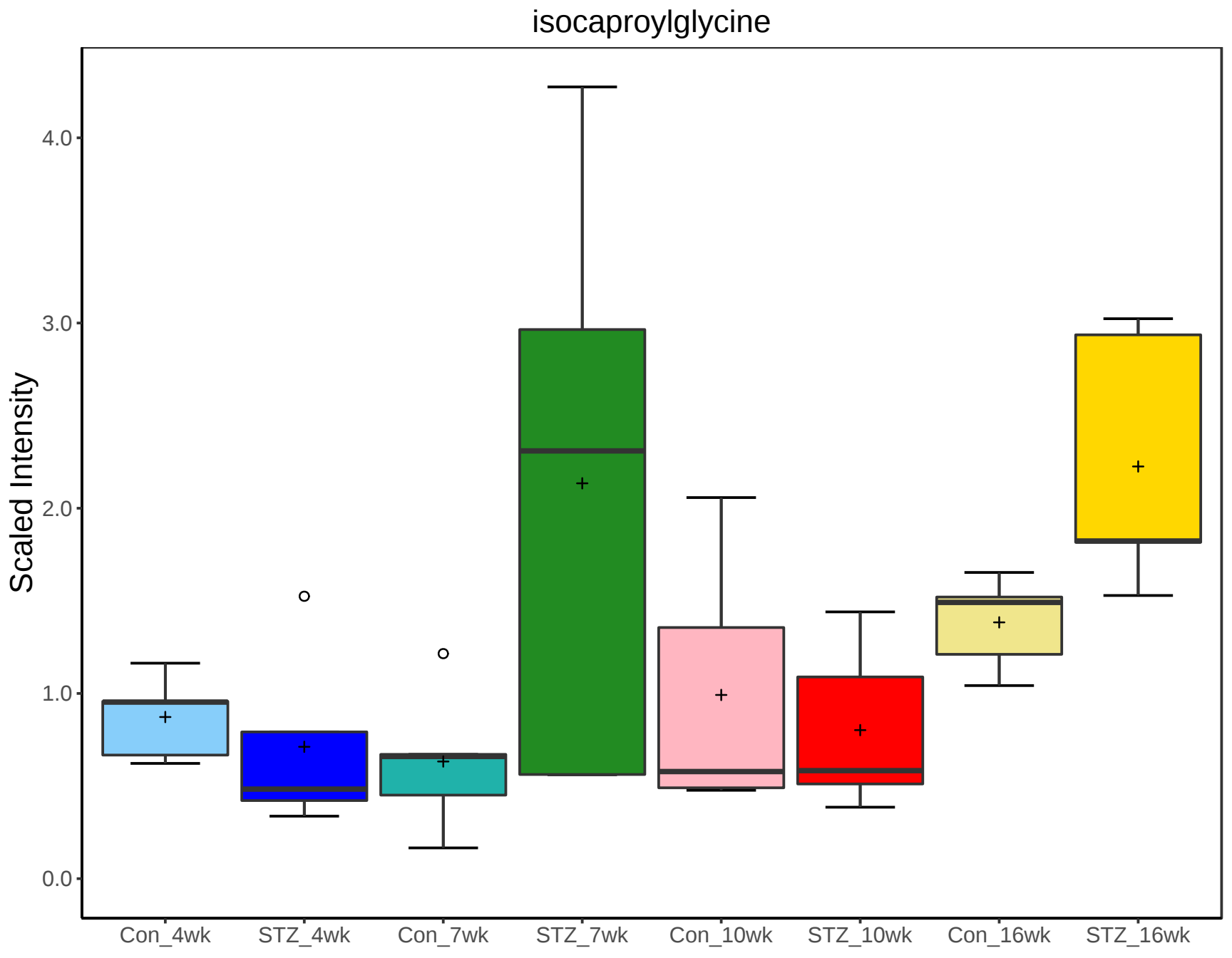

butyrylcarnitine (C4)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

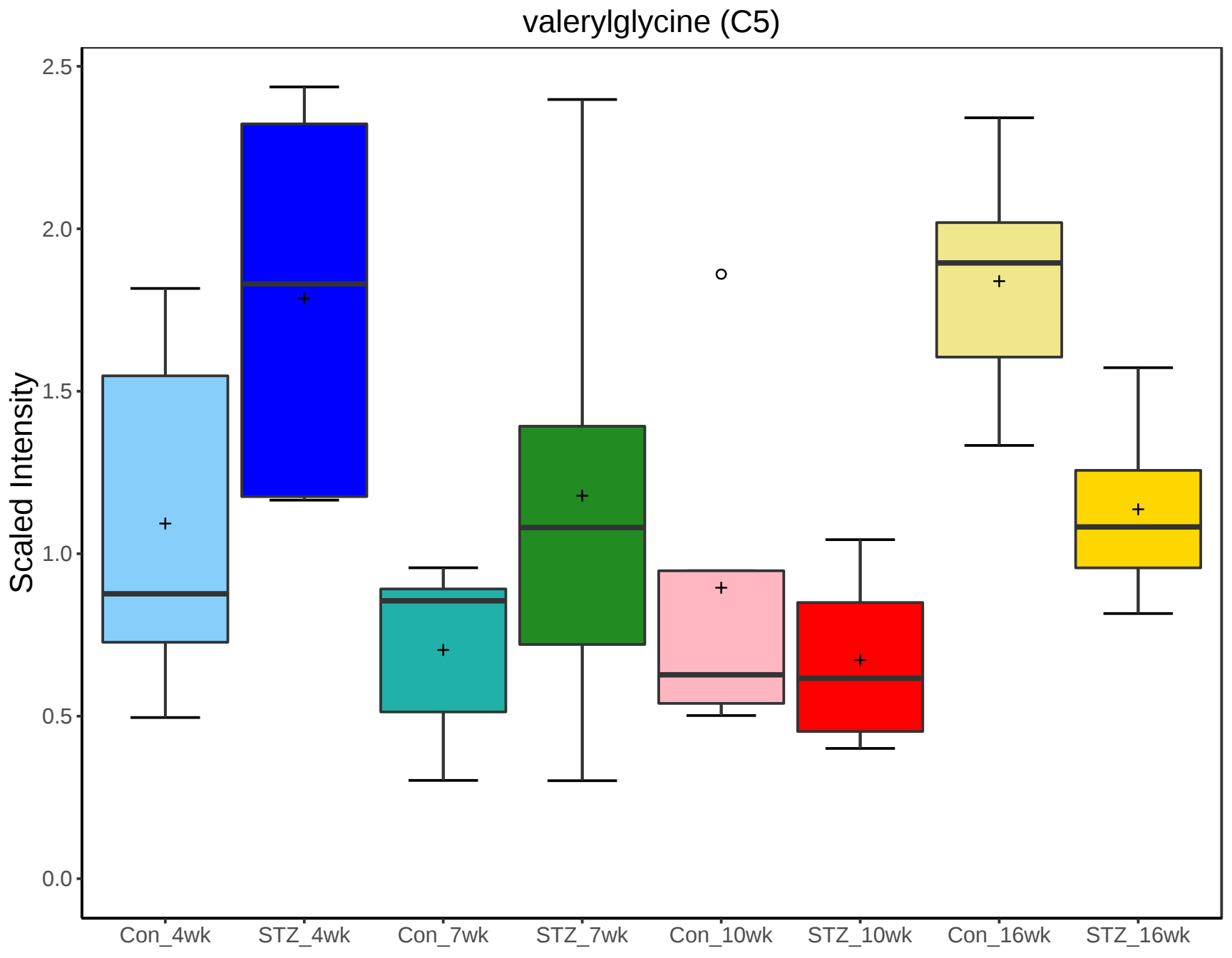

butyrylglycine (C4)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

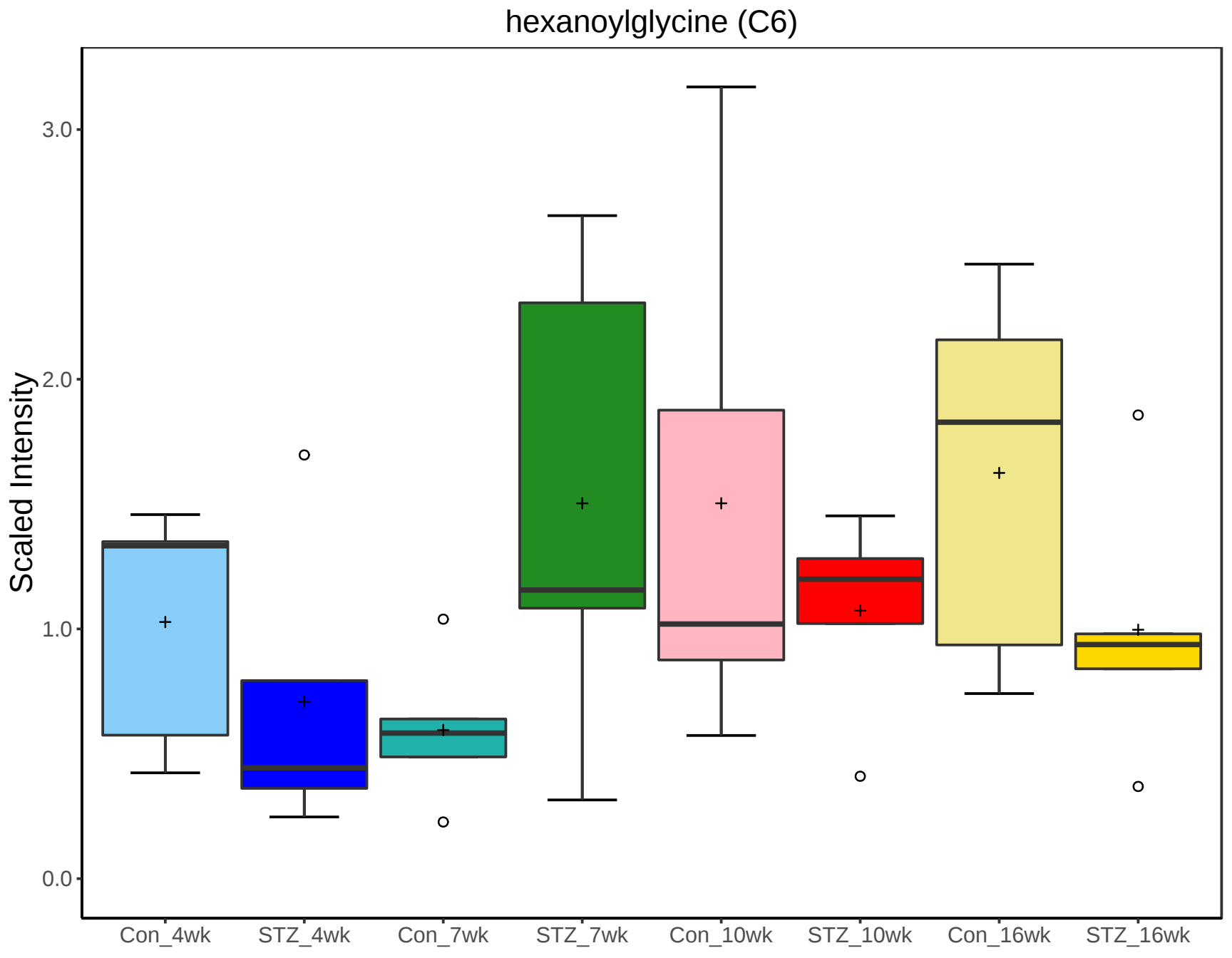

propionylcarnitine (C3)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

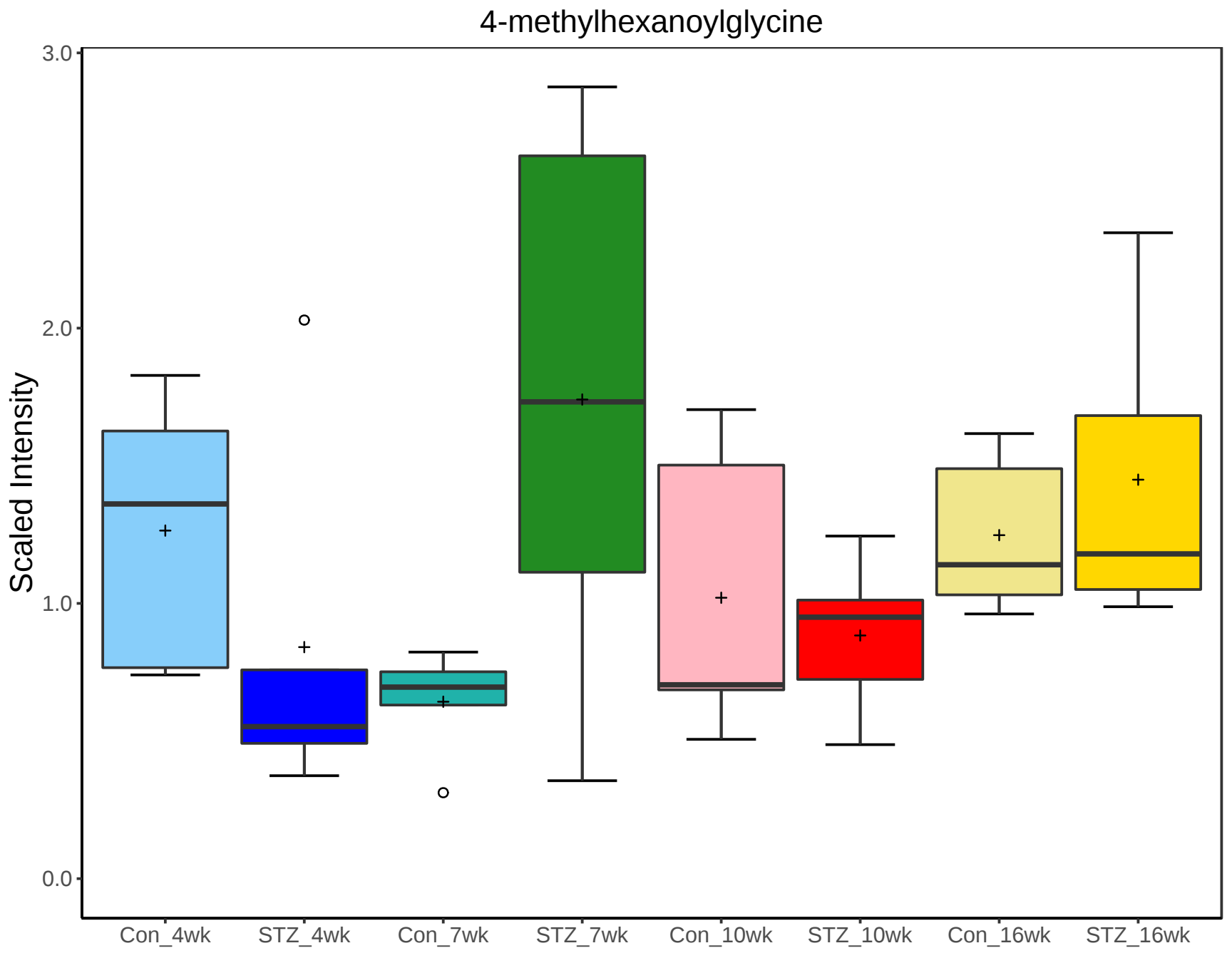

propionylglycine (C3)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

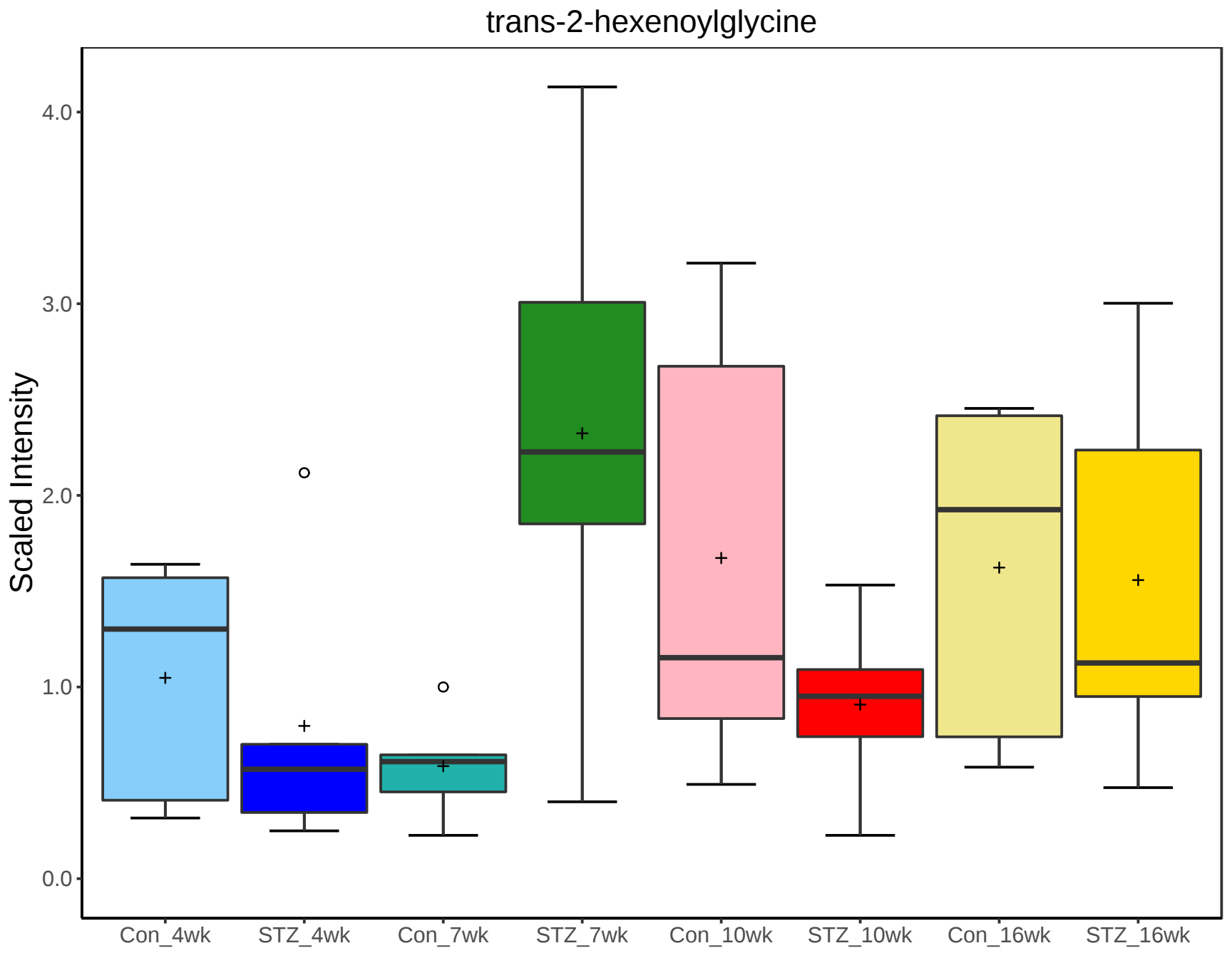

methylmalonate (MMA)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

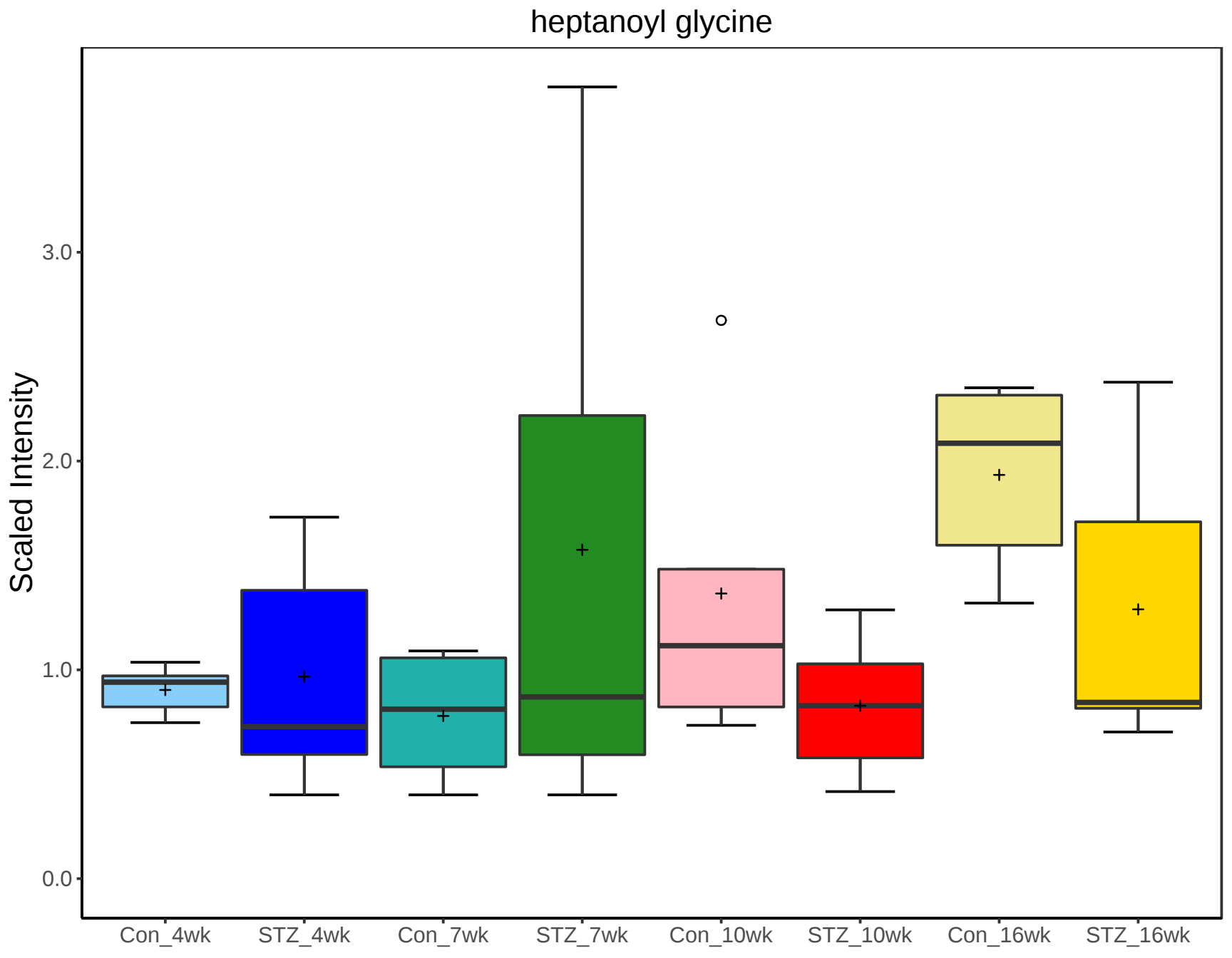

isocaproylglycine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

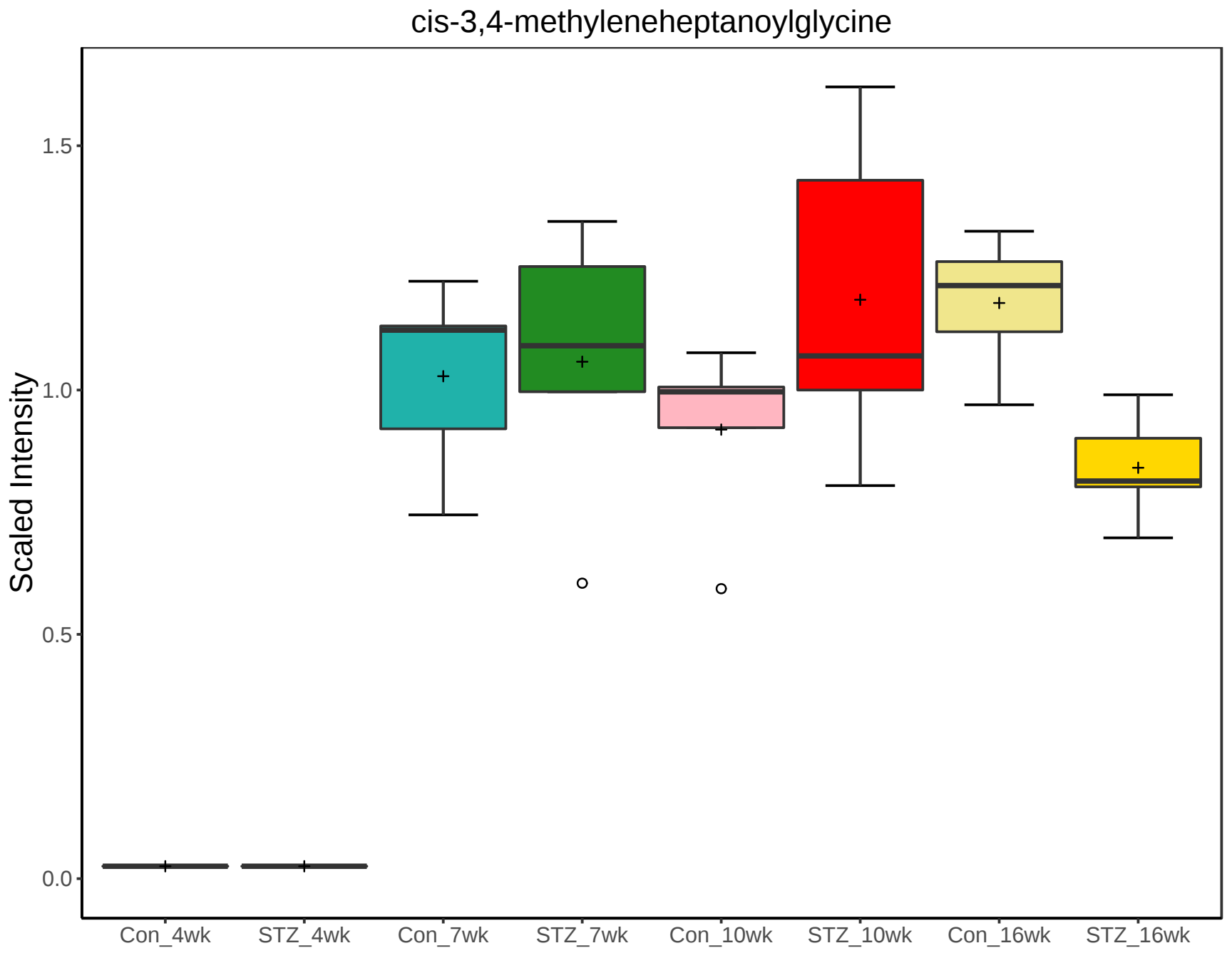

valerylglycine (C5)
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

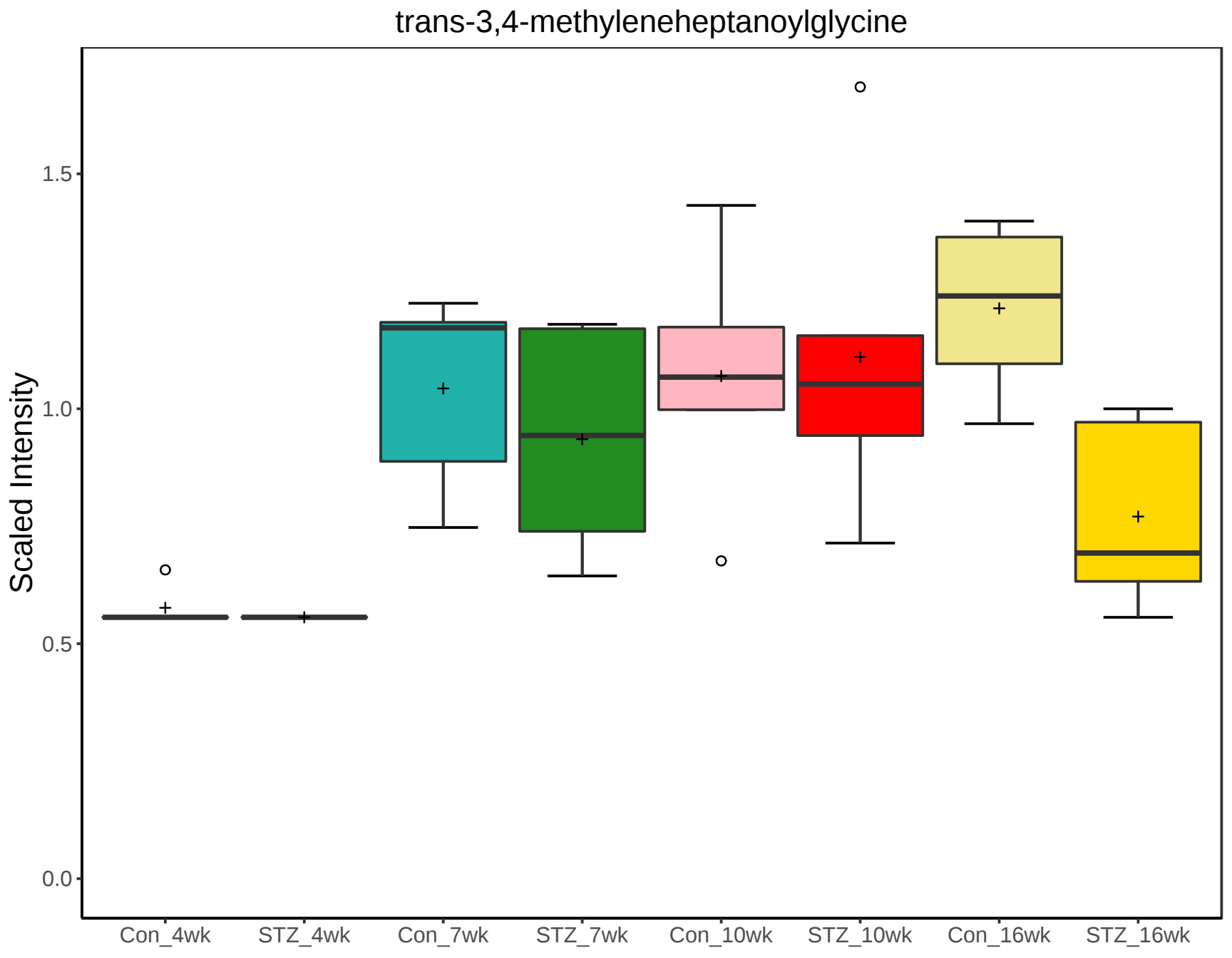

hexanoylglycine (C6)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

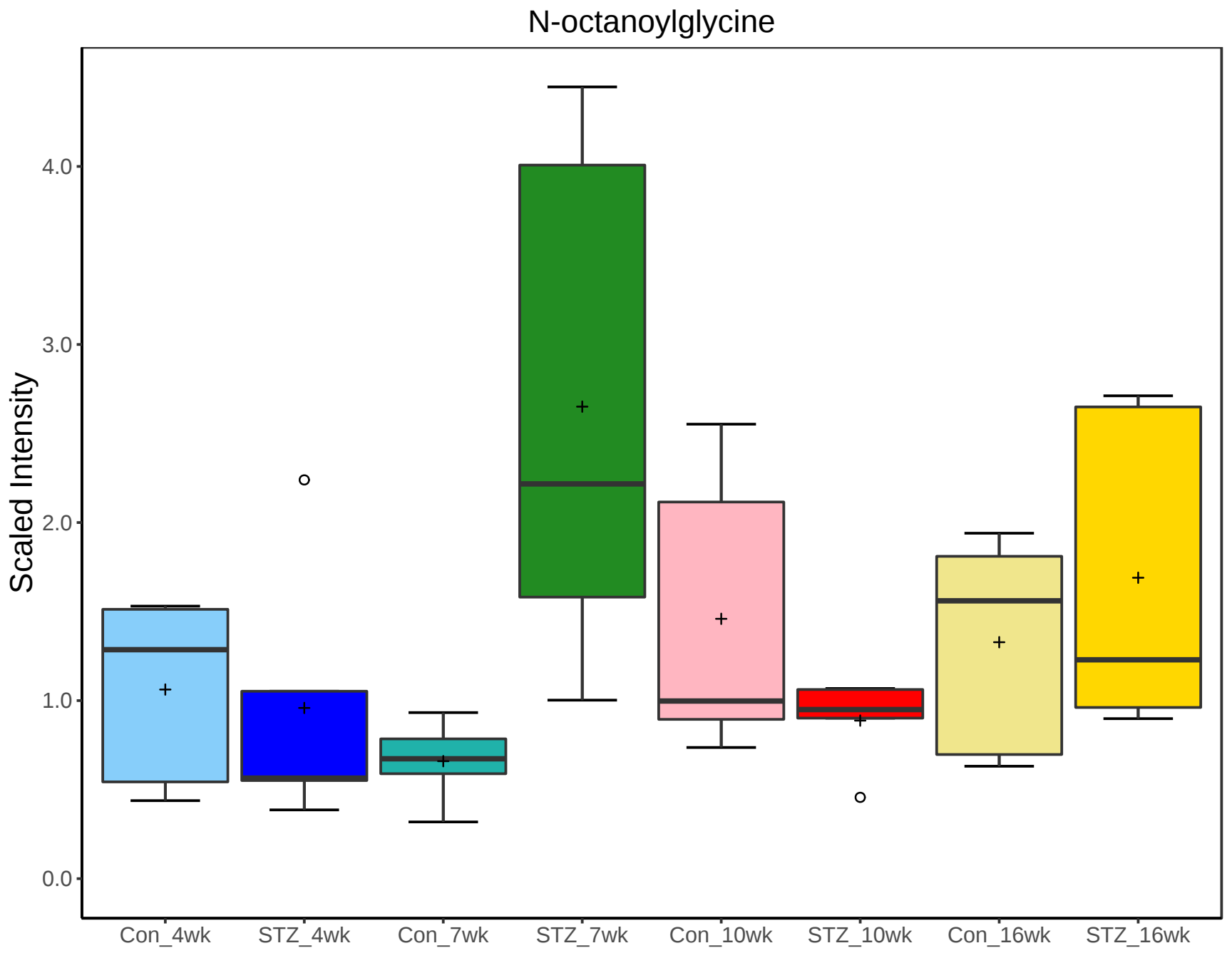

4-methylhexanoylglycine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

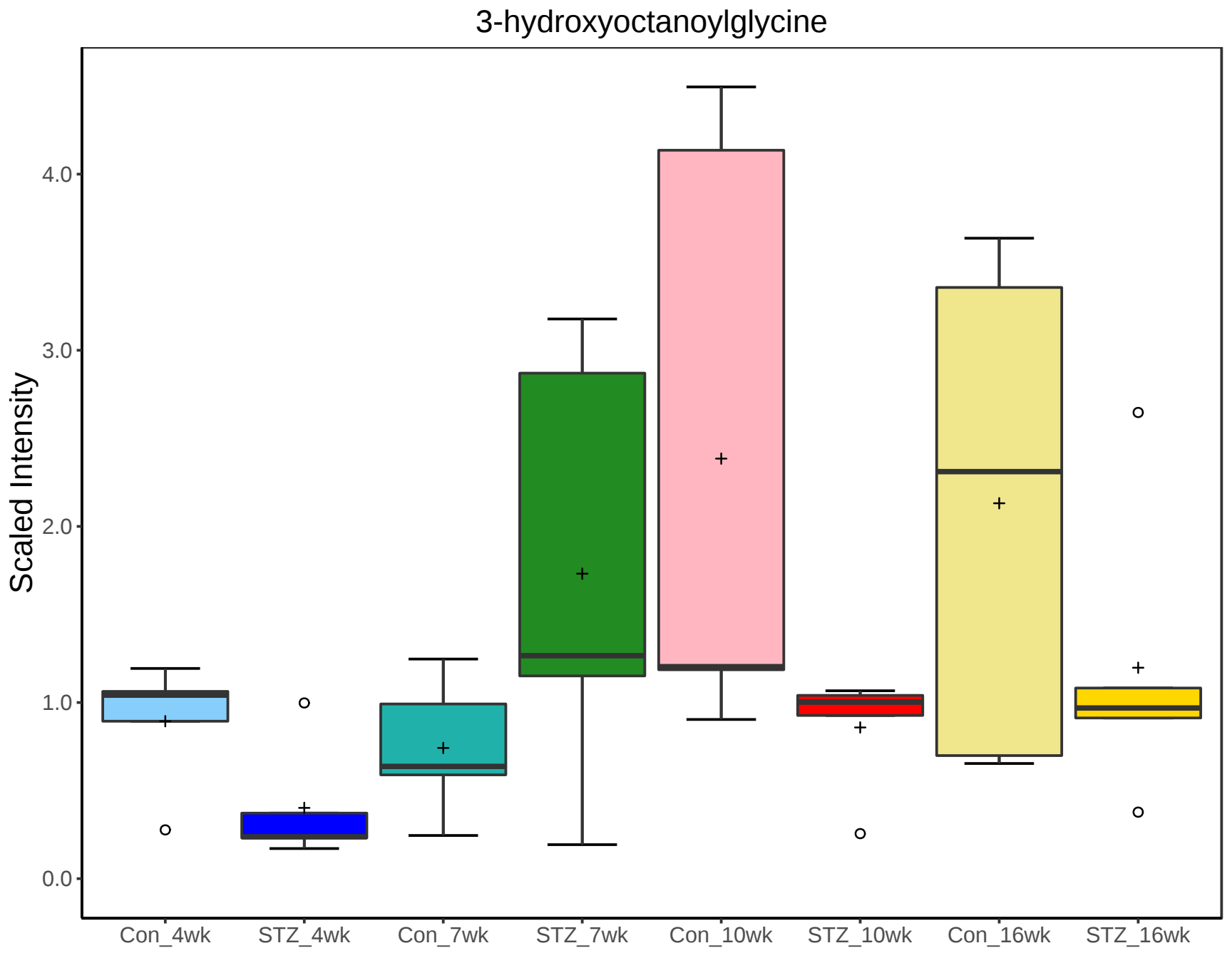

trans-2-hexenoylglycine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

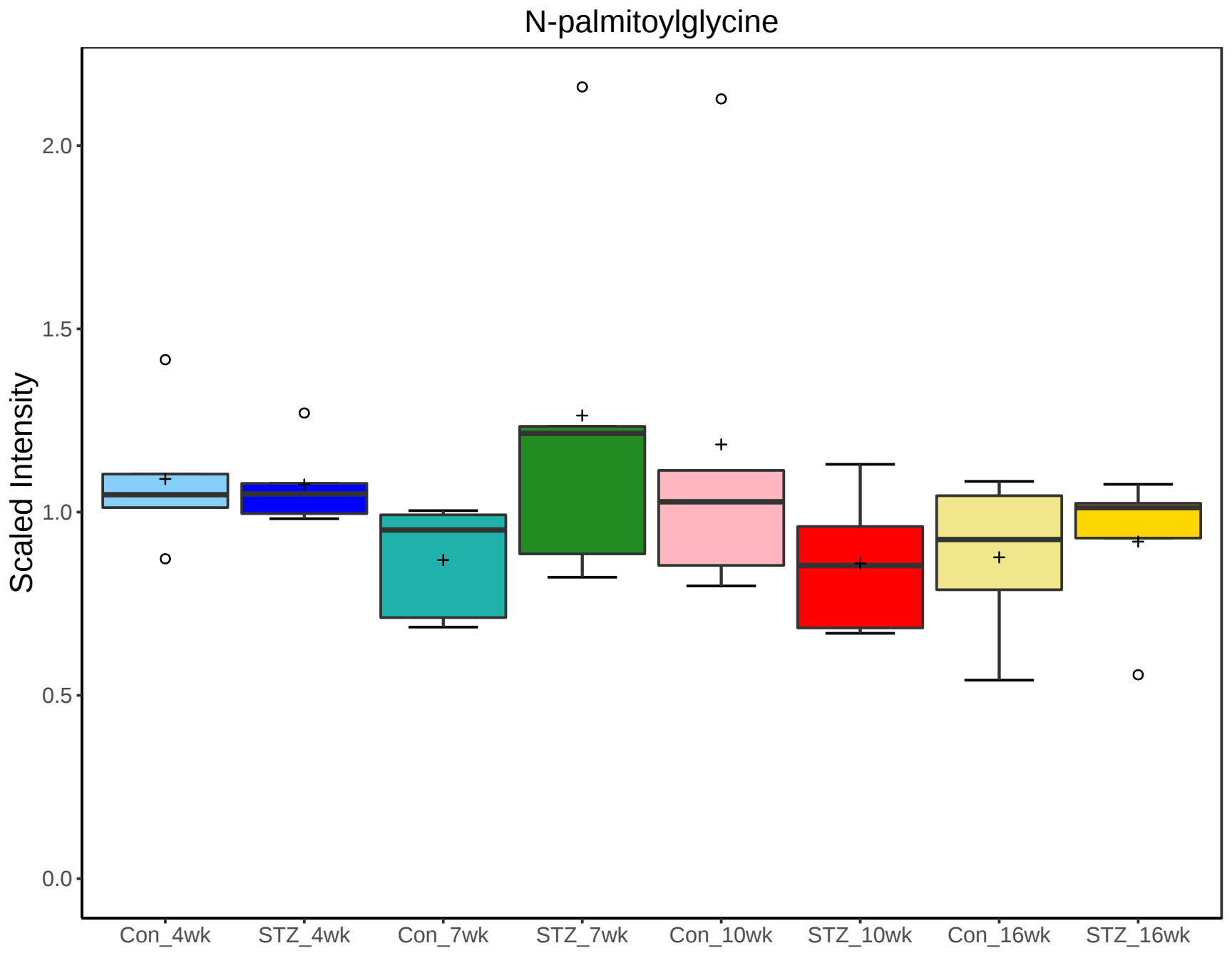

heptanoyl glycine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

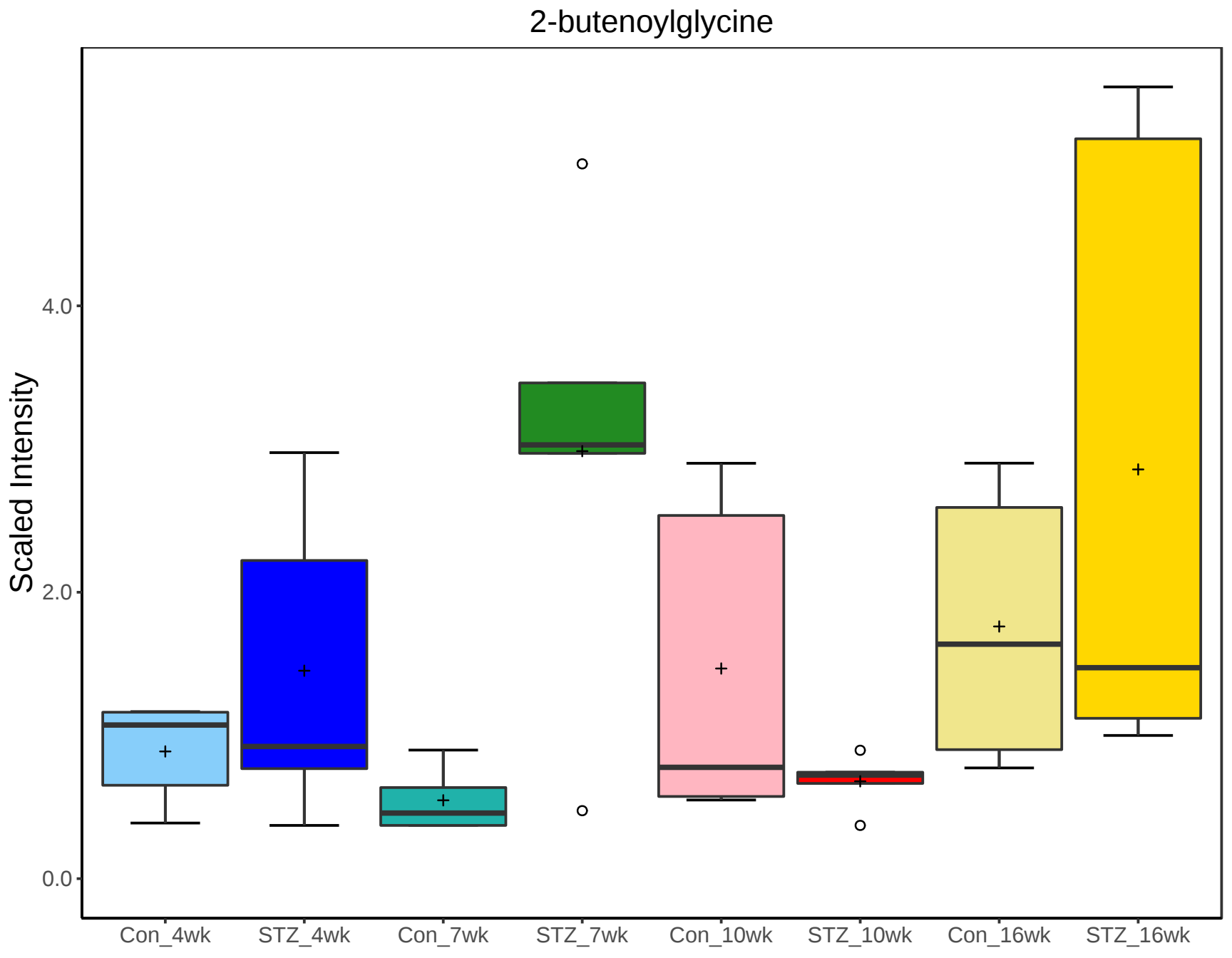

cis-3,4-methyleneheptanoylglycine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

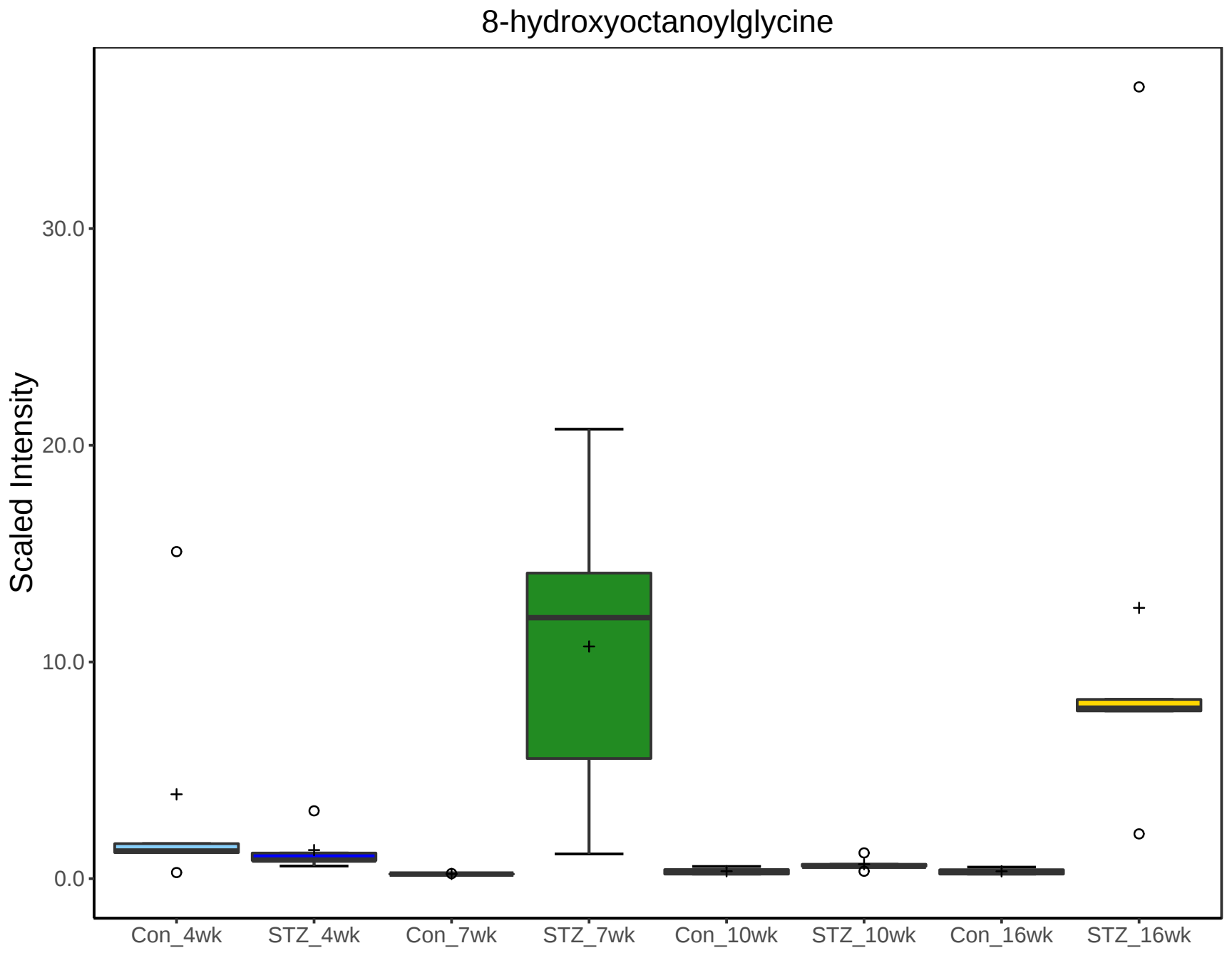

trans-3,4-methyleneheptanoylglycine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

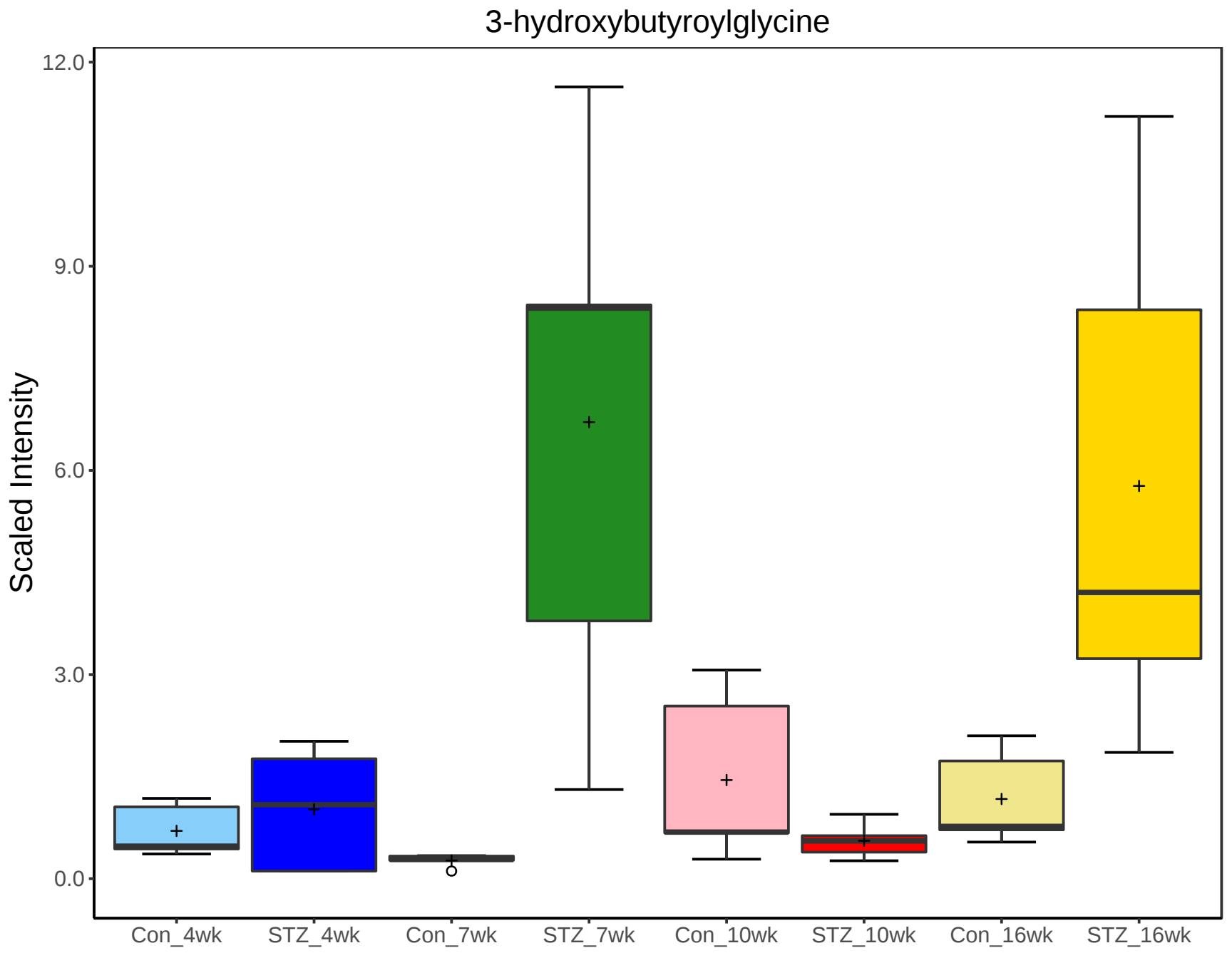

N-octanoylglycine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

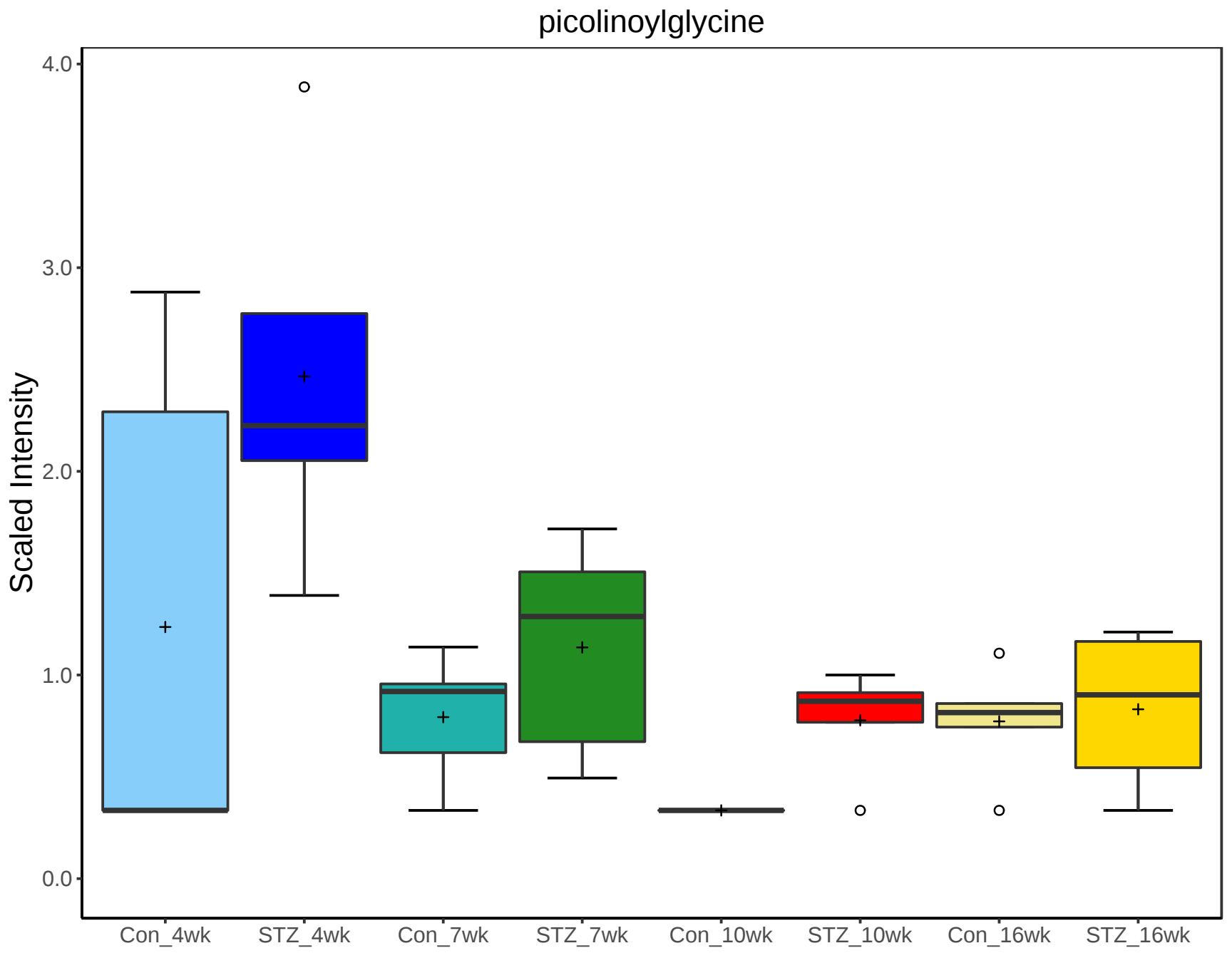

3-hydroxyoctanoylglycine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

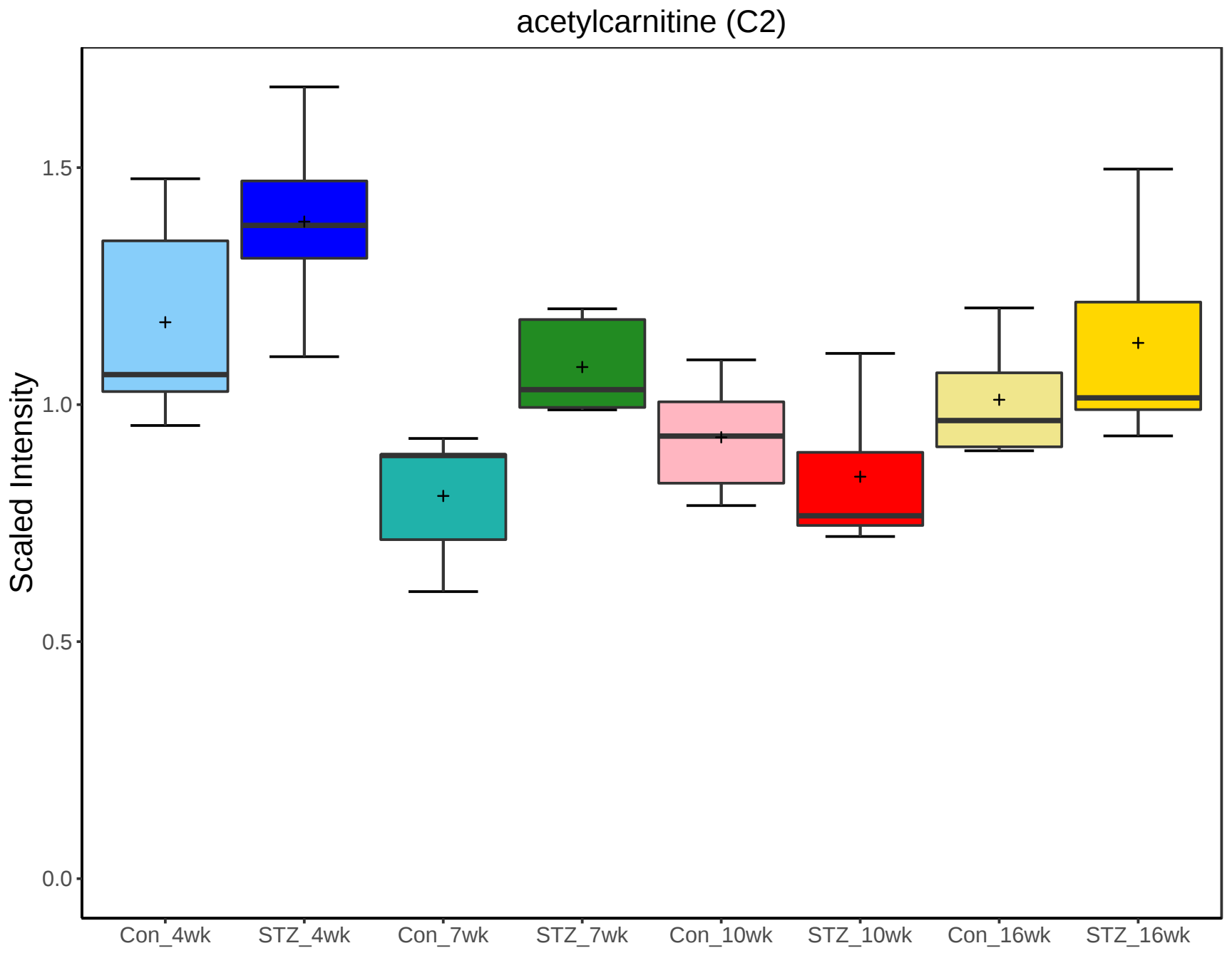

N-palmitoylglycine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

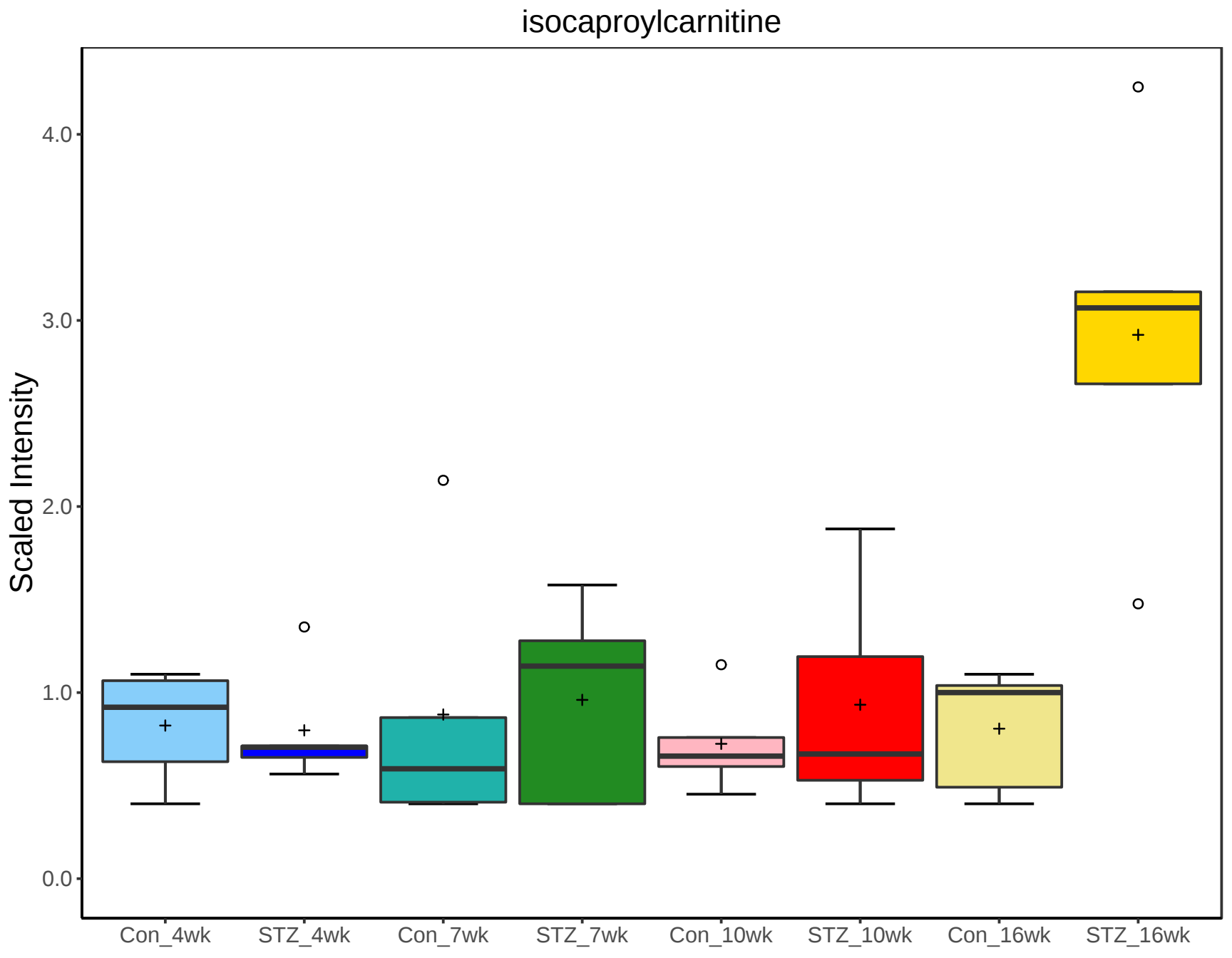

2-butenoylglycine
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

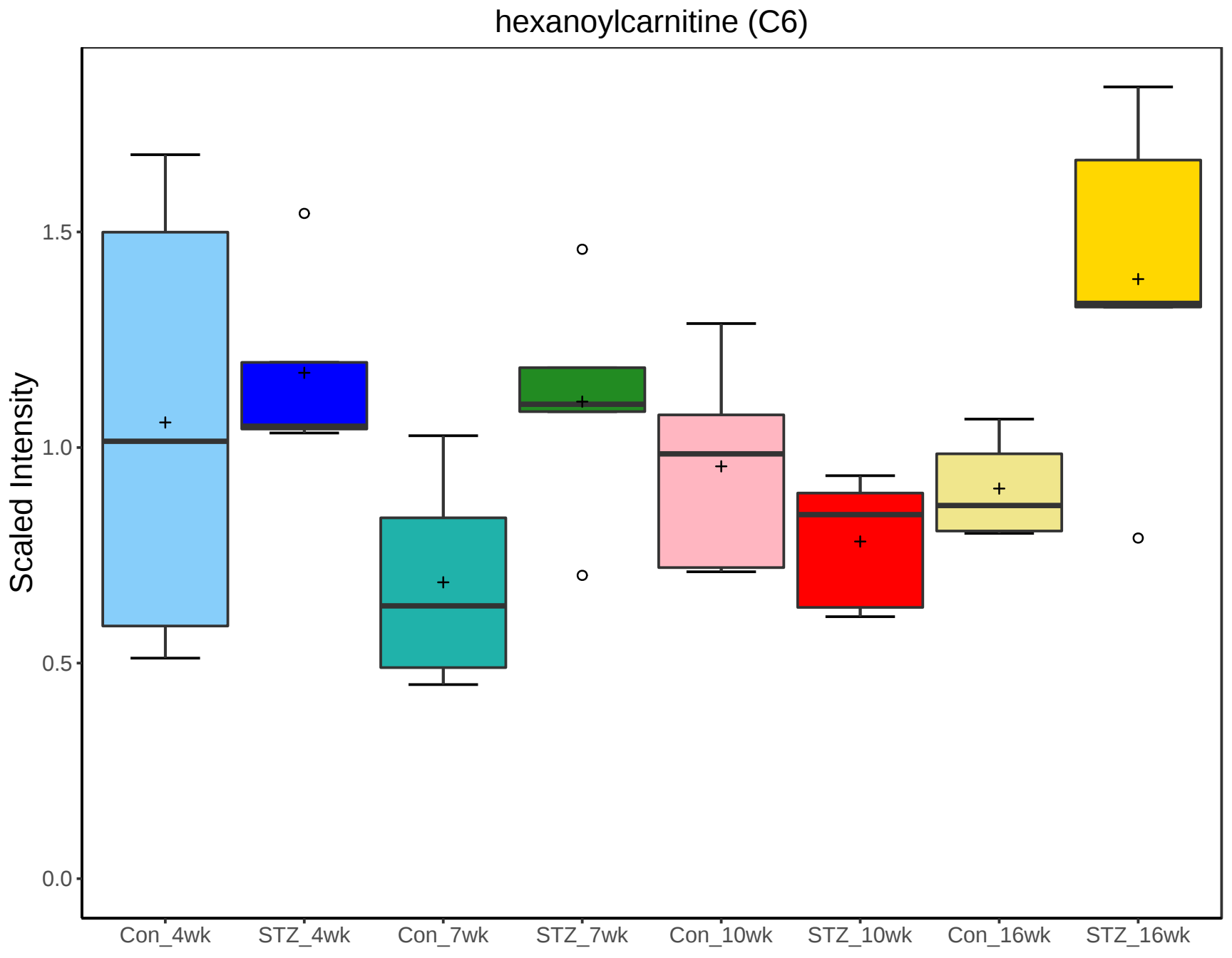

8-hydroxyoctanoylglycine
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

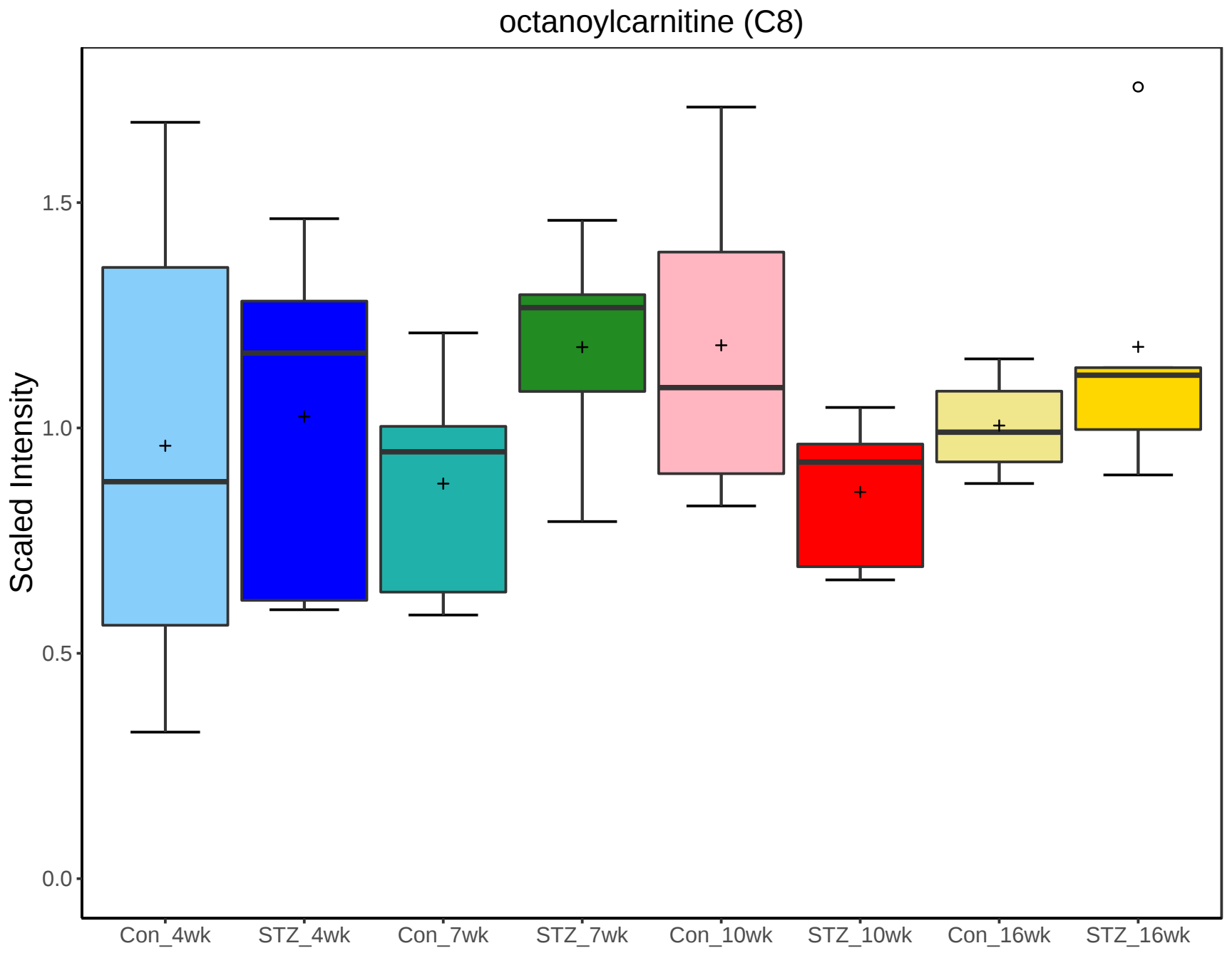

3-hydroxybutyroylglycine
Scaled Intensity
12.0
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

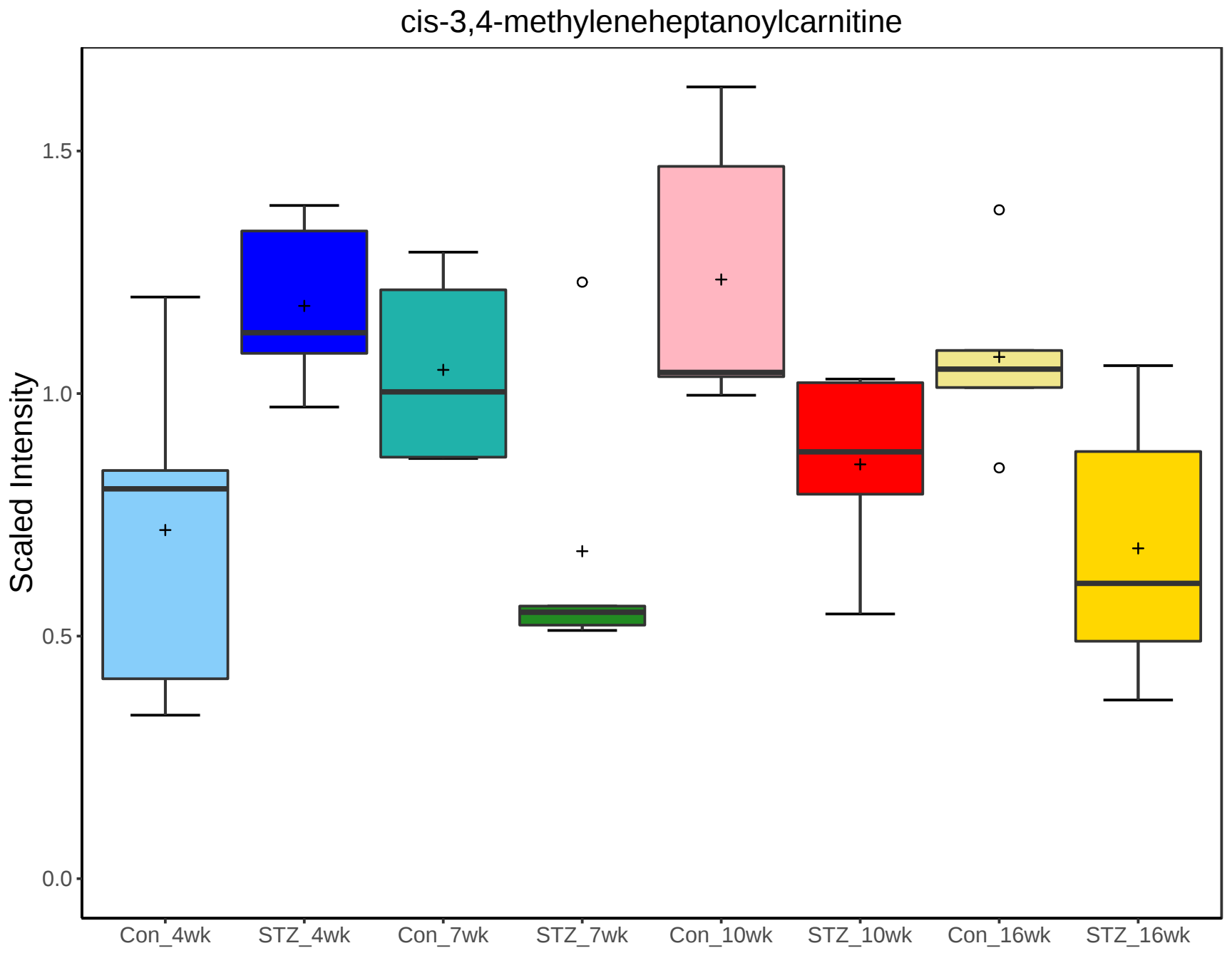

picolinoylglycine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

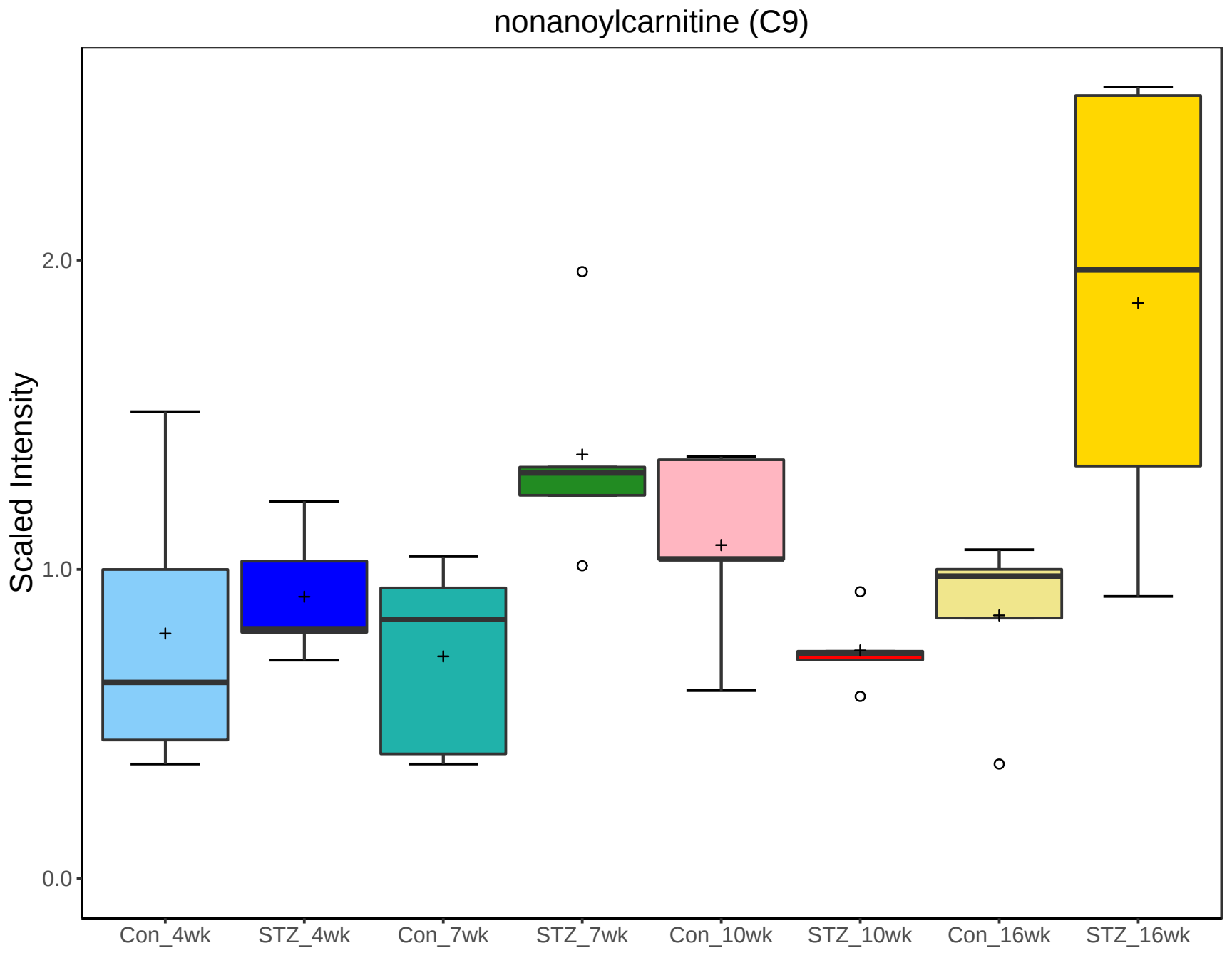

acetylcarnitine (C2)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

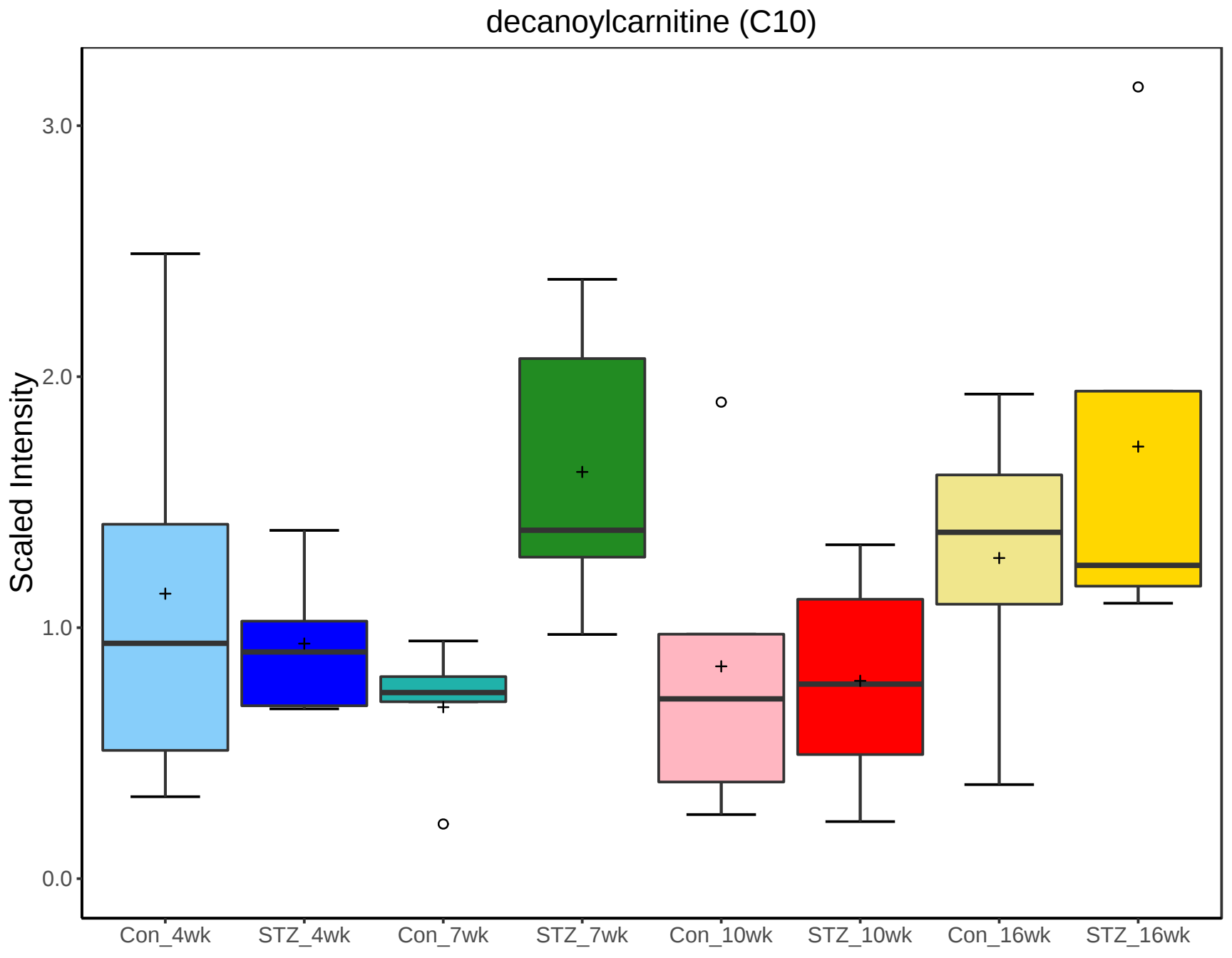

isocaproylcarnitine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

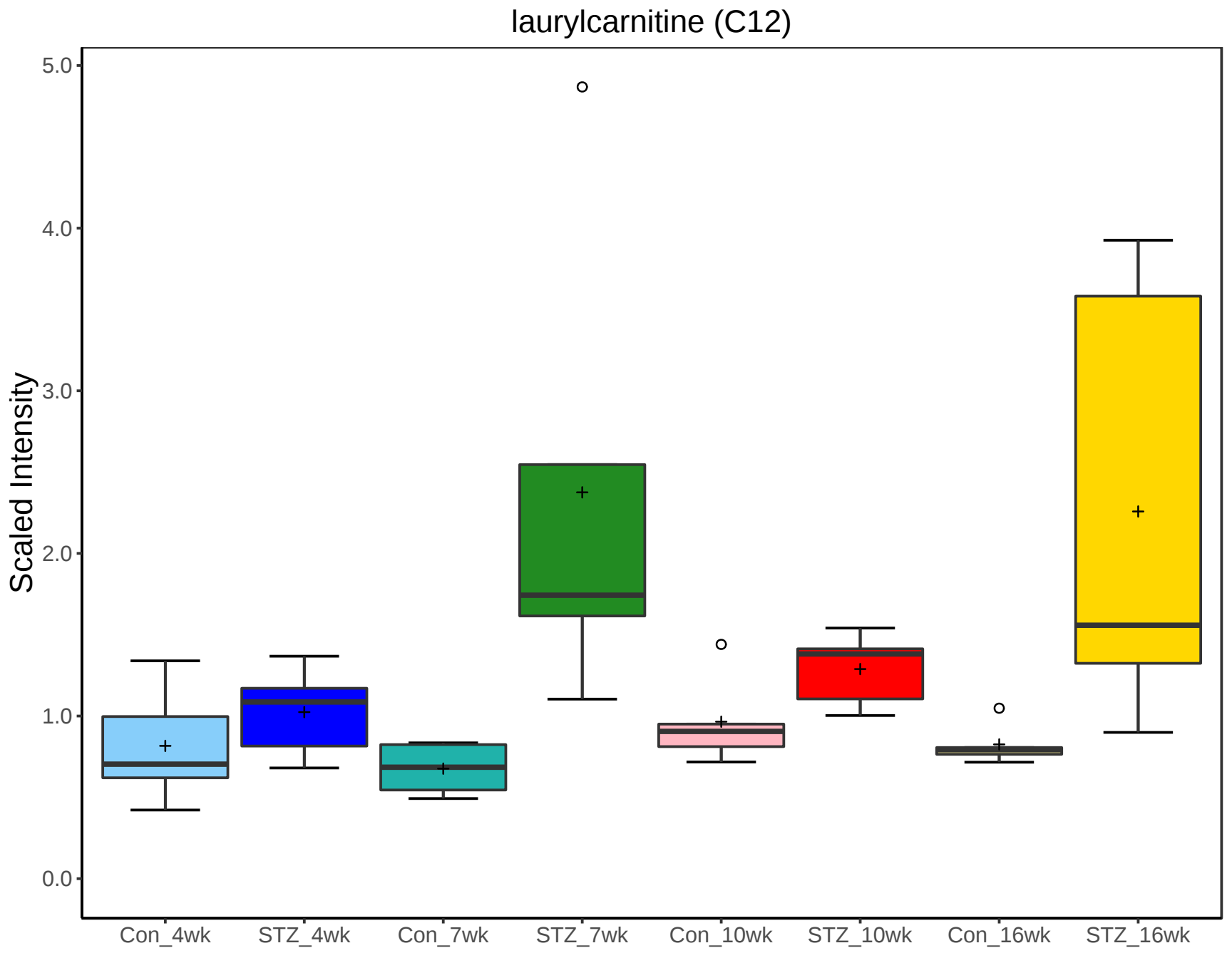

hexanoylcarnitine (C6)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

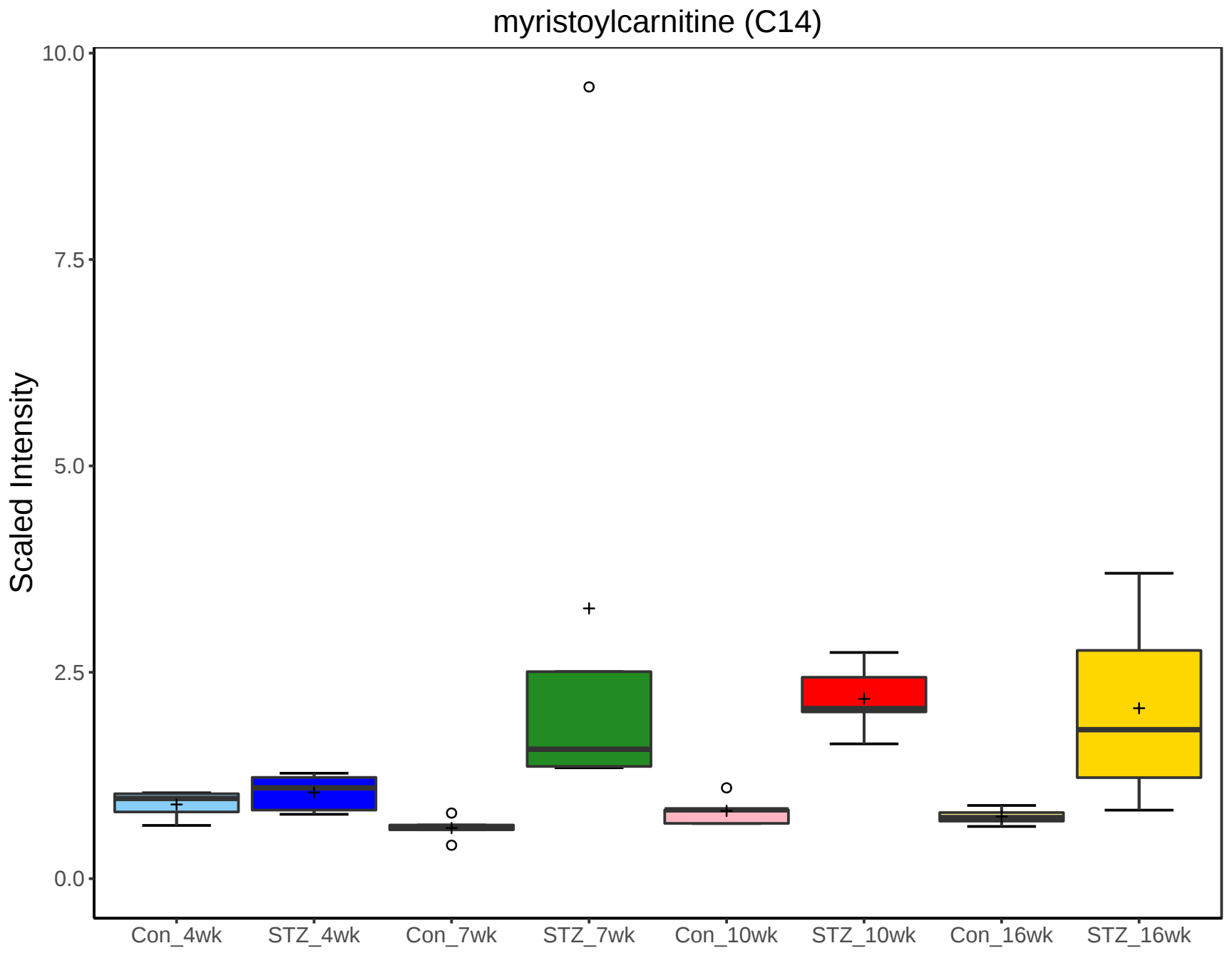

octanoylcarnitine (C8)
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

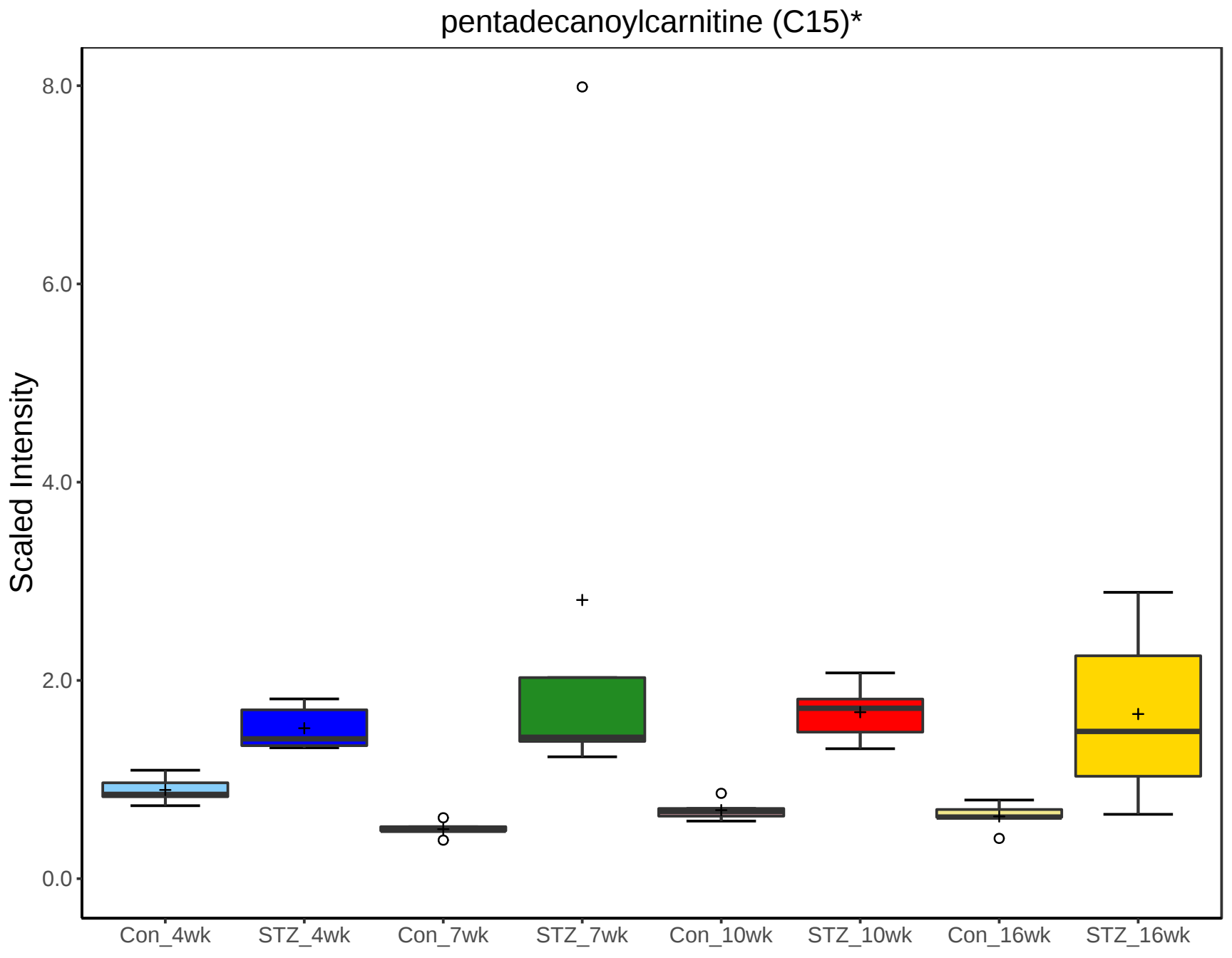

cis-3,4-methyleneheptanoylcarnitine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

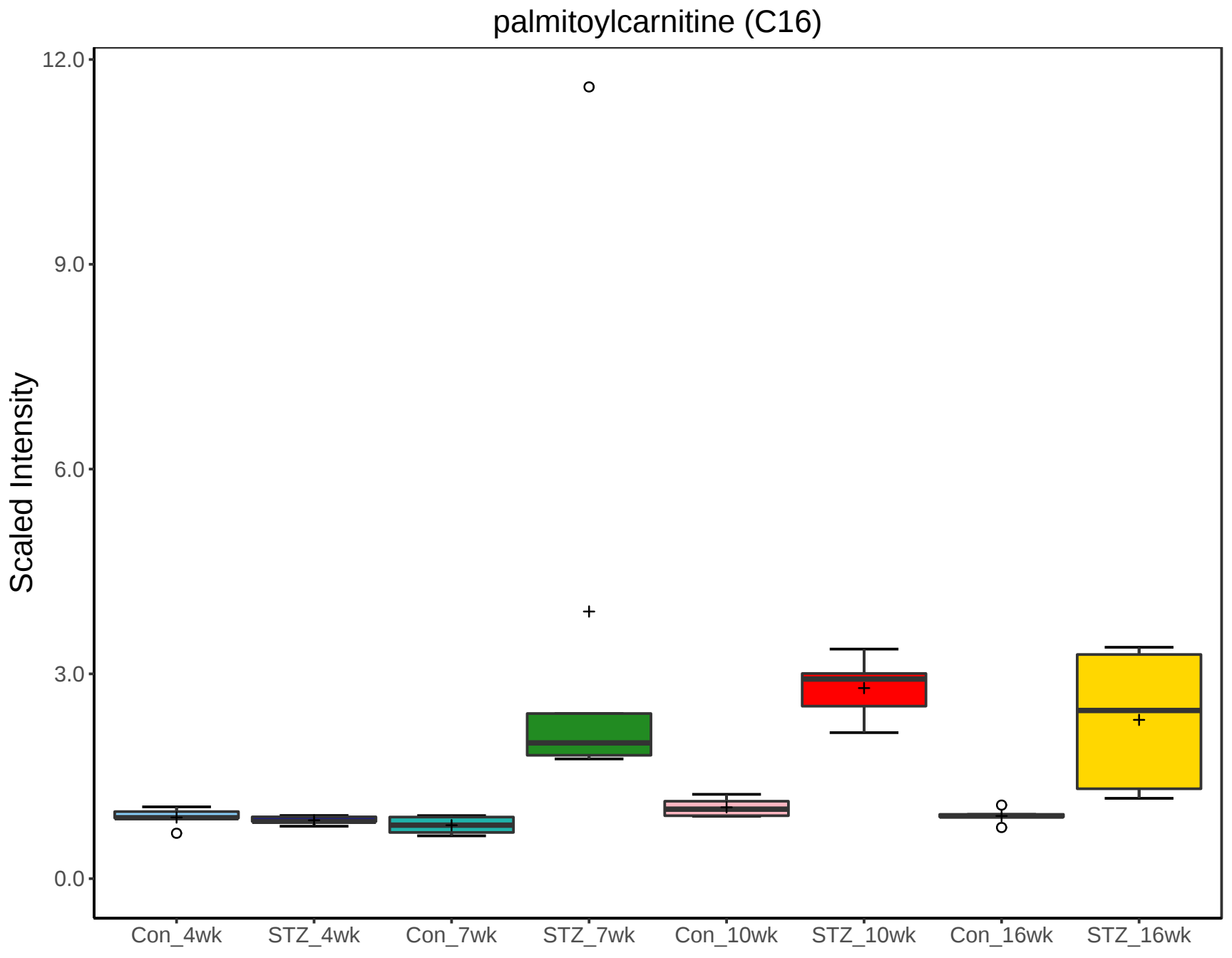

nonanoylcarnitine (C9)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

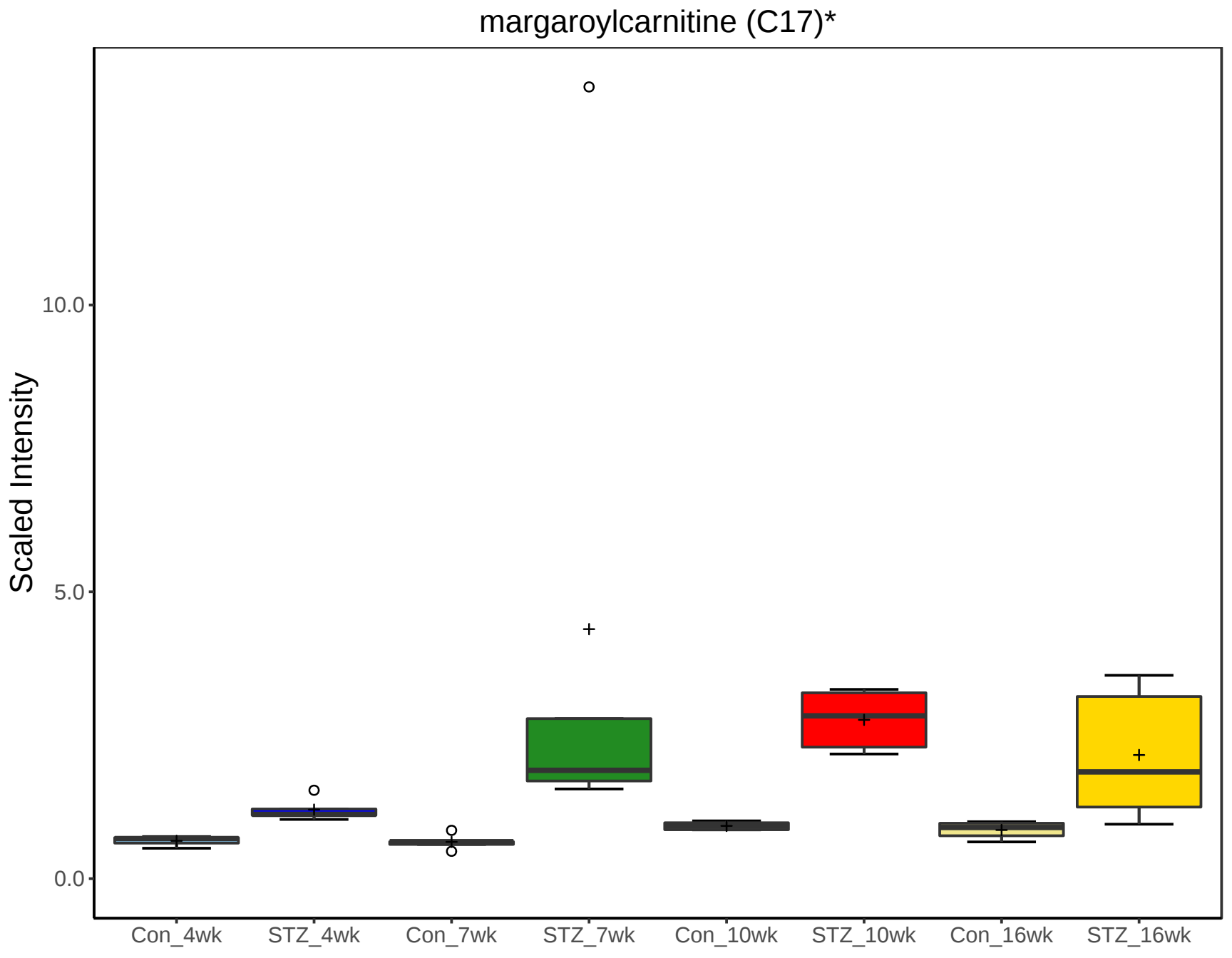

decanoylcarnitine (C10)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

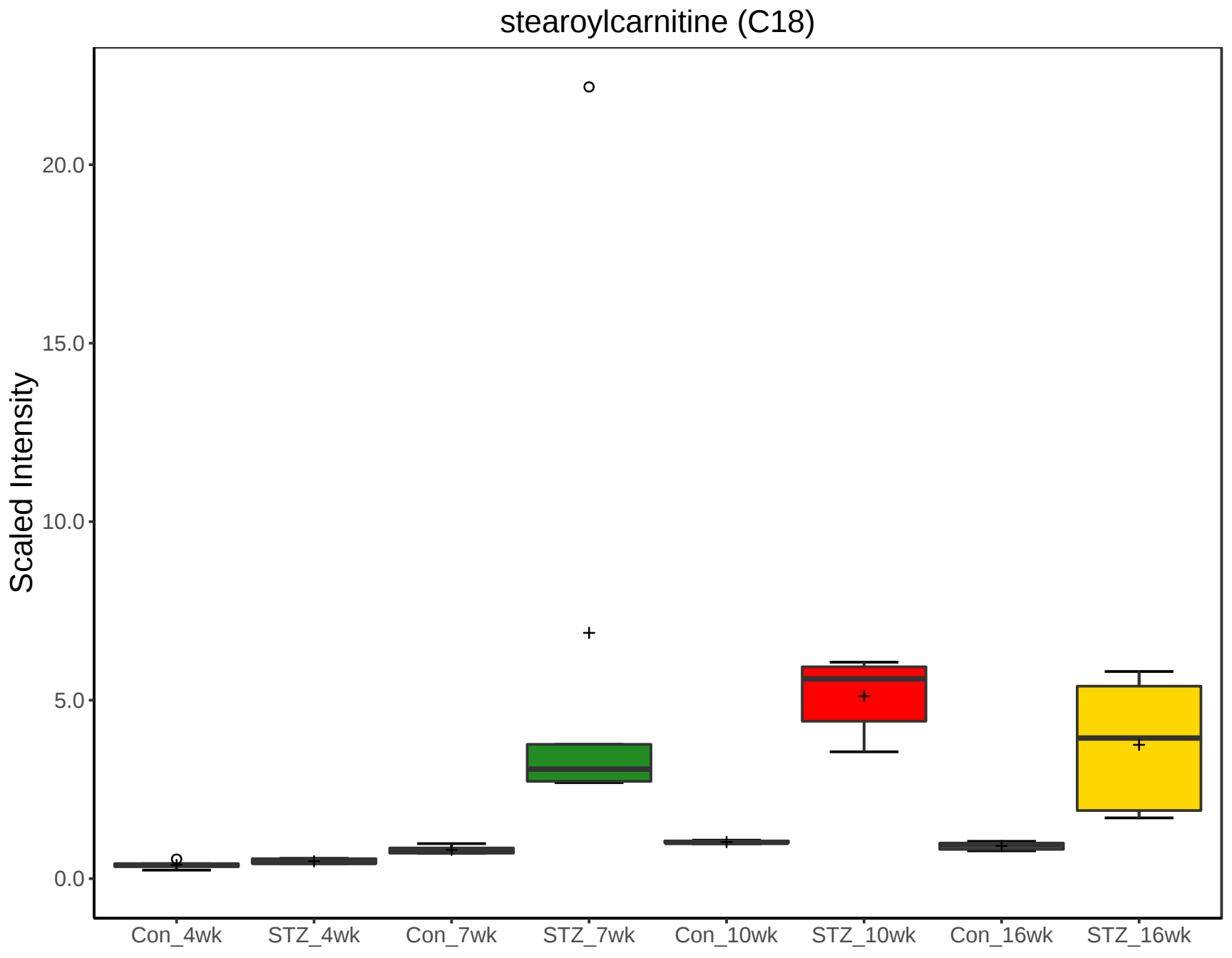

laurylcarnitine (C12)
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

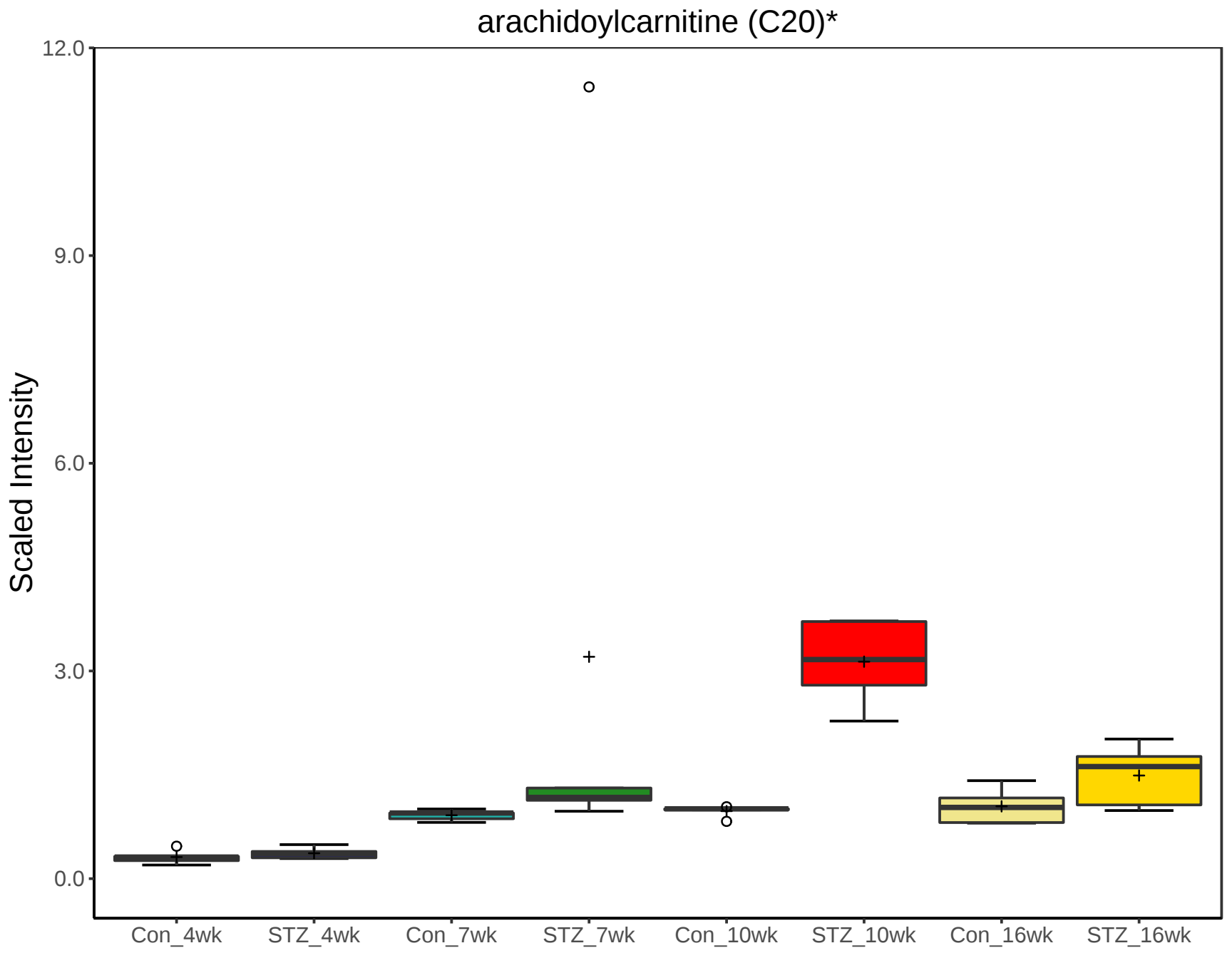

myristoylcarnitine (C14)
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

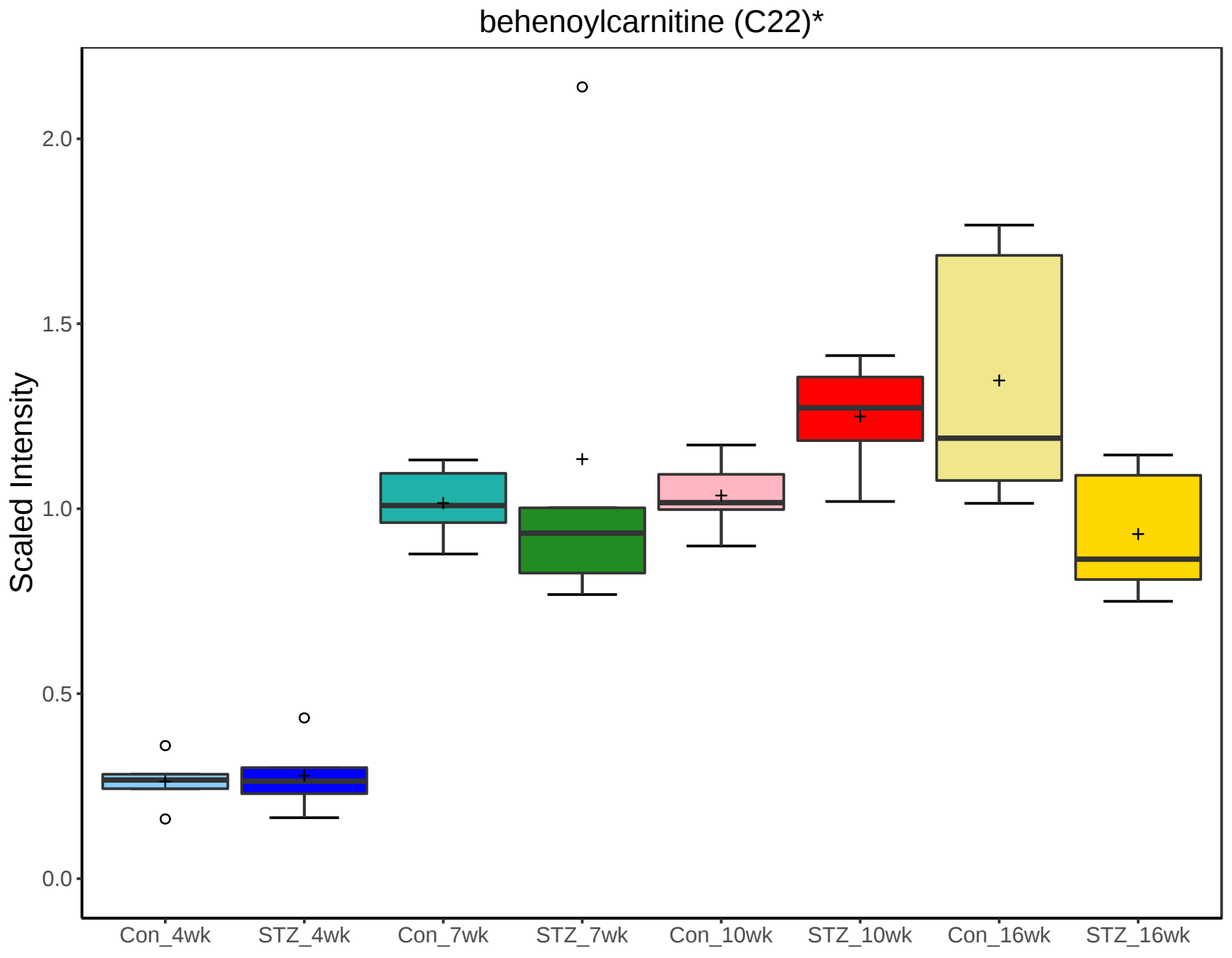

pentadecanoylcarnitine (C15)*
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

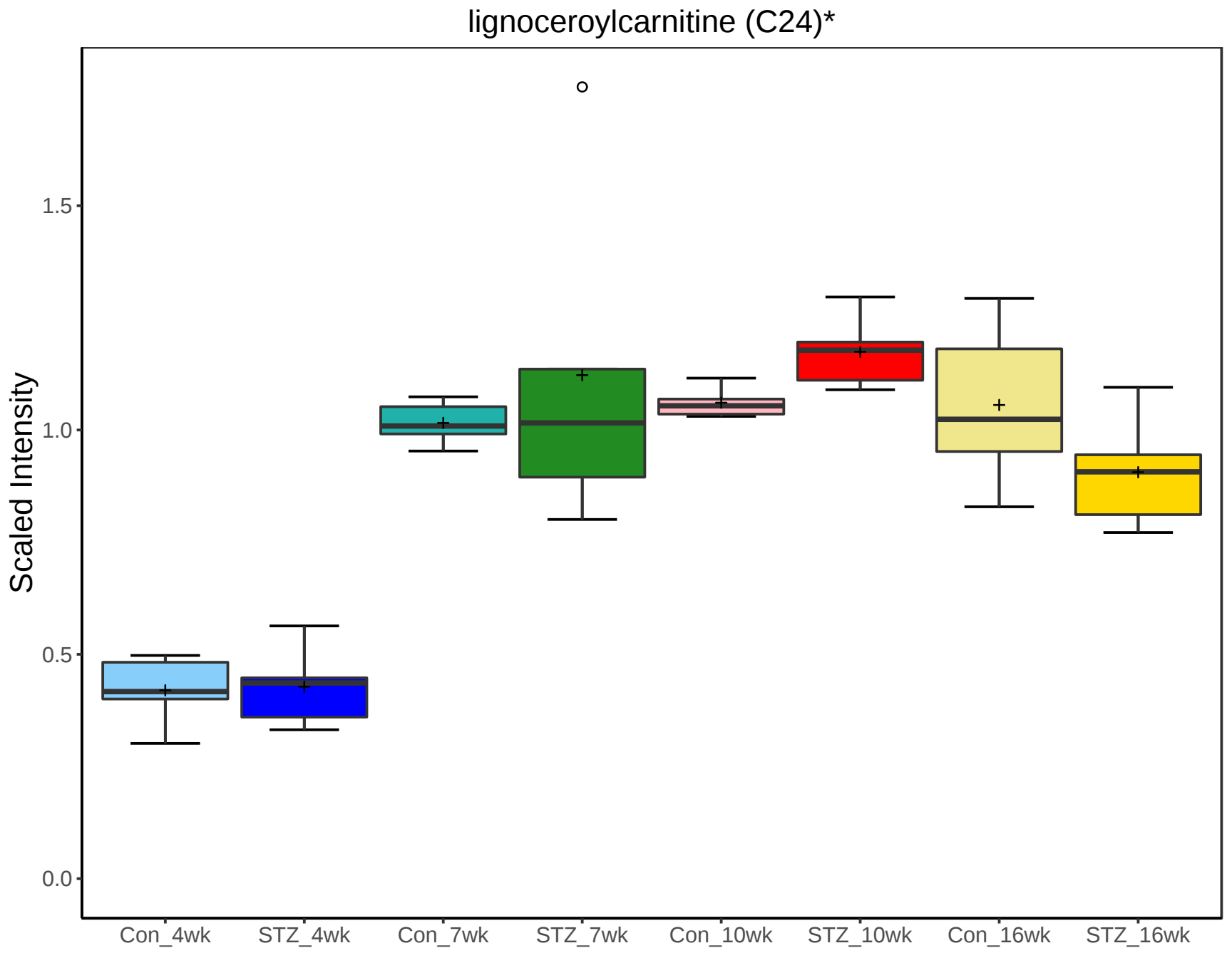

palmitoylcarnitine (C16)
Scaled Intensity
12.0
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

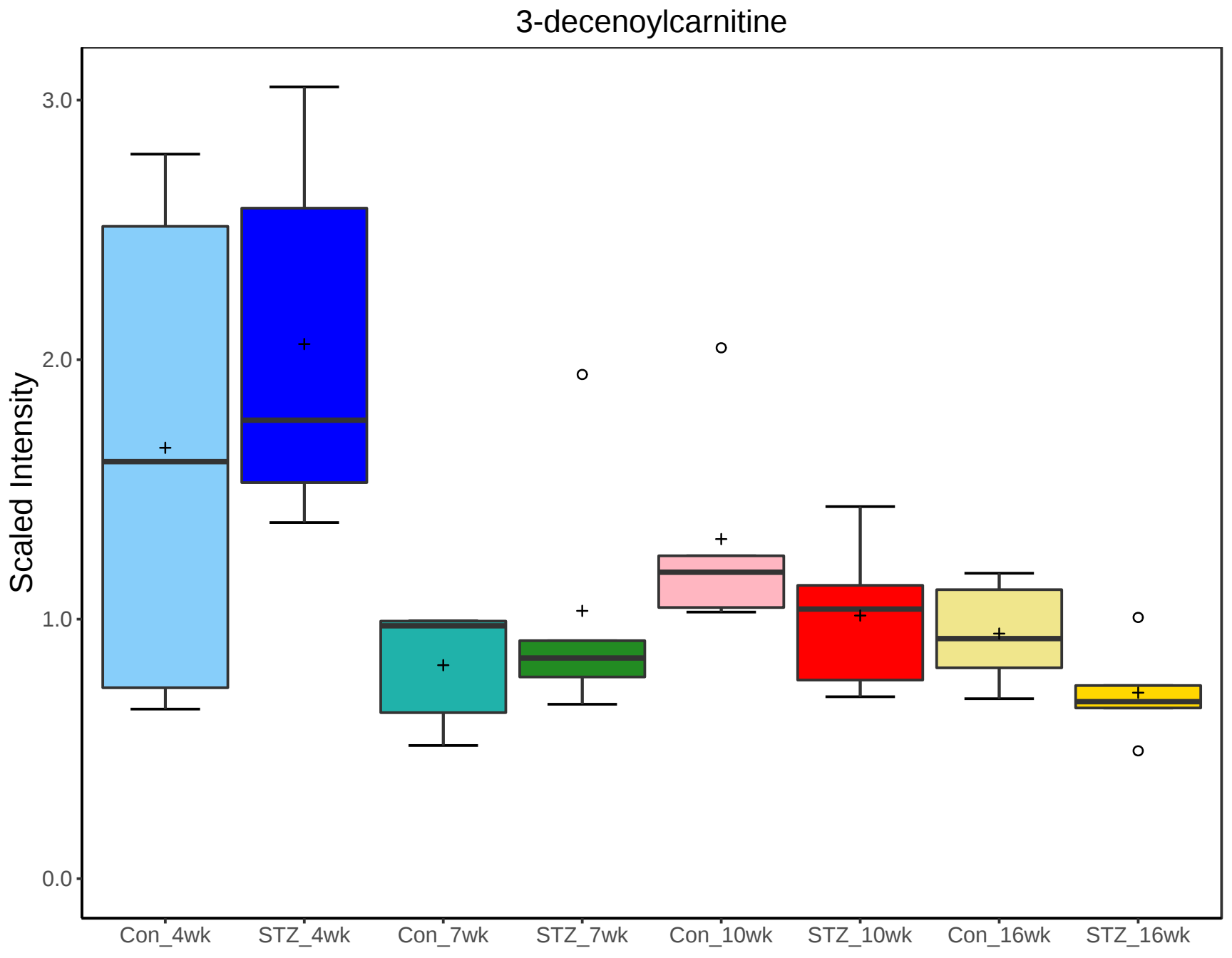

margaroylcarnitine (C17)*
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

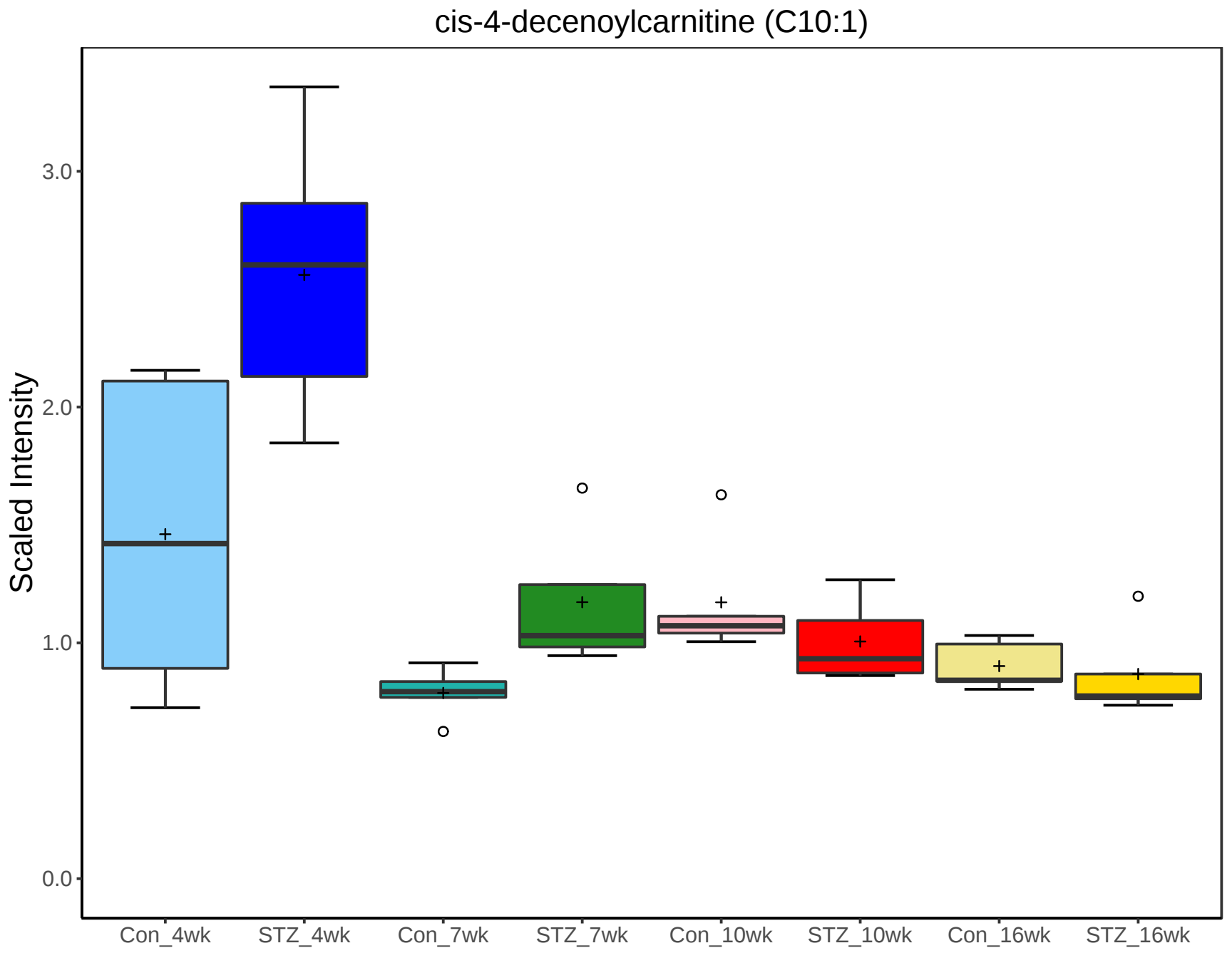

stearoylcarnitine (C18)
Scaled Intensity
20.0
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

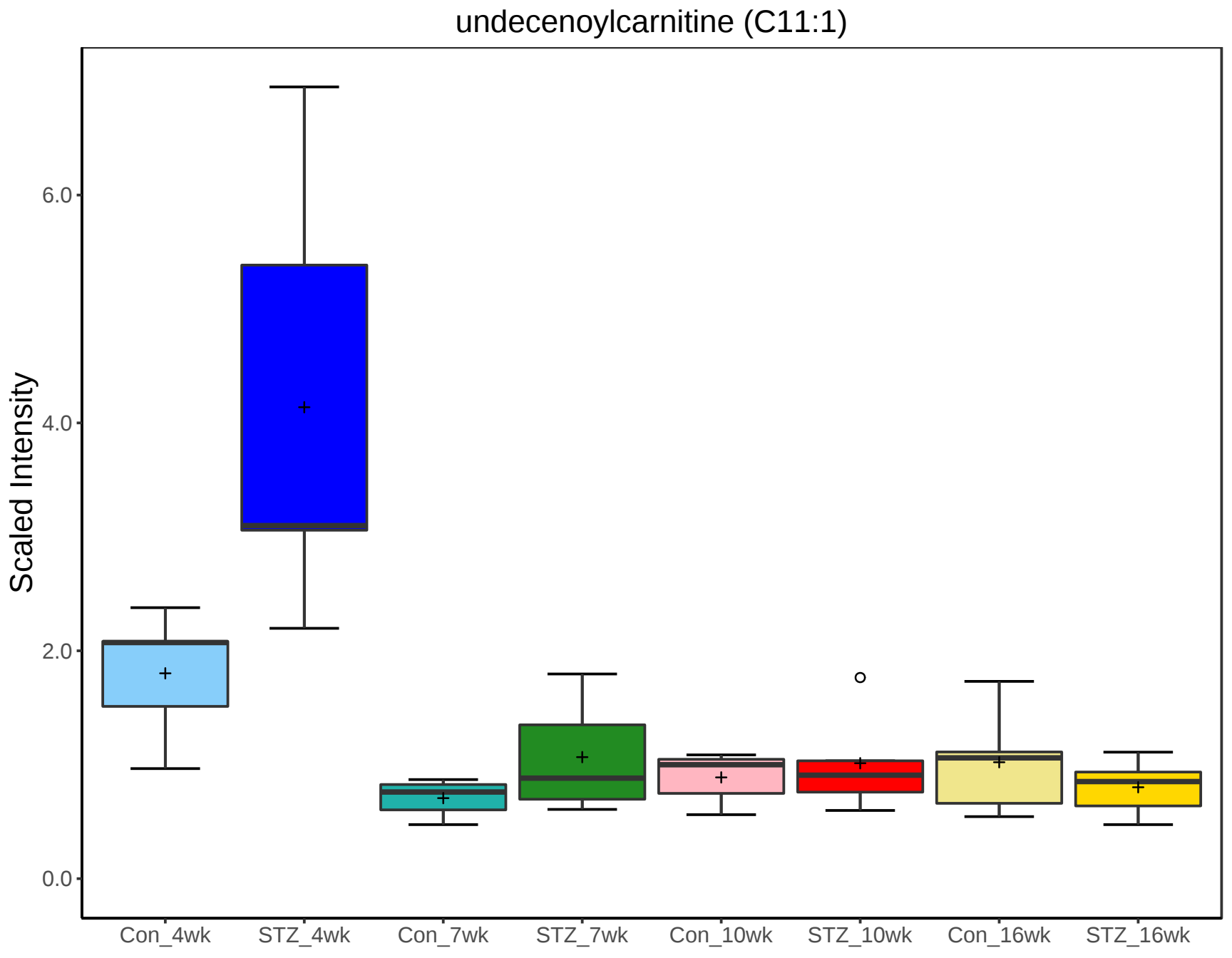

arachidoylcarnitine (C20)*
Scaled Intensity
12.0
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

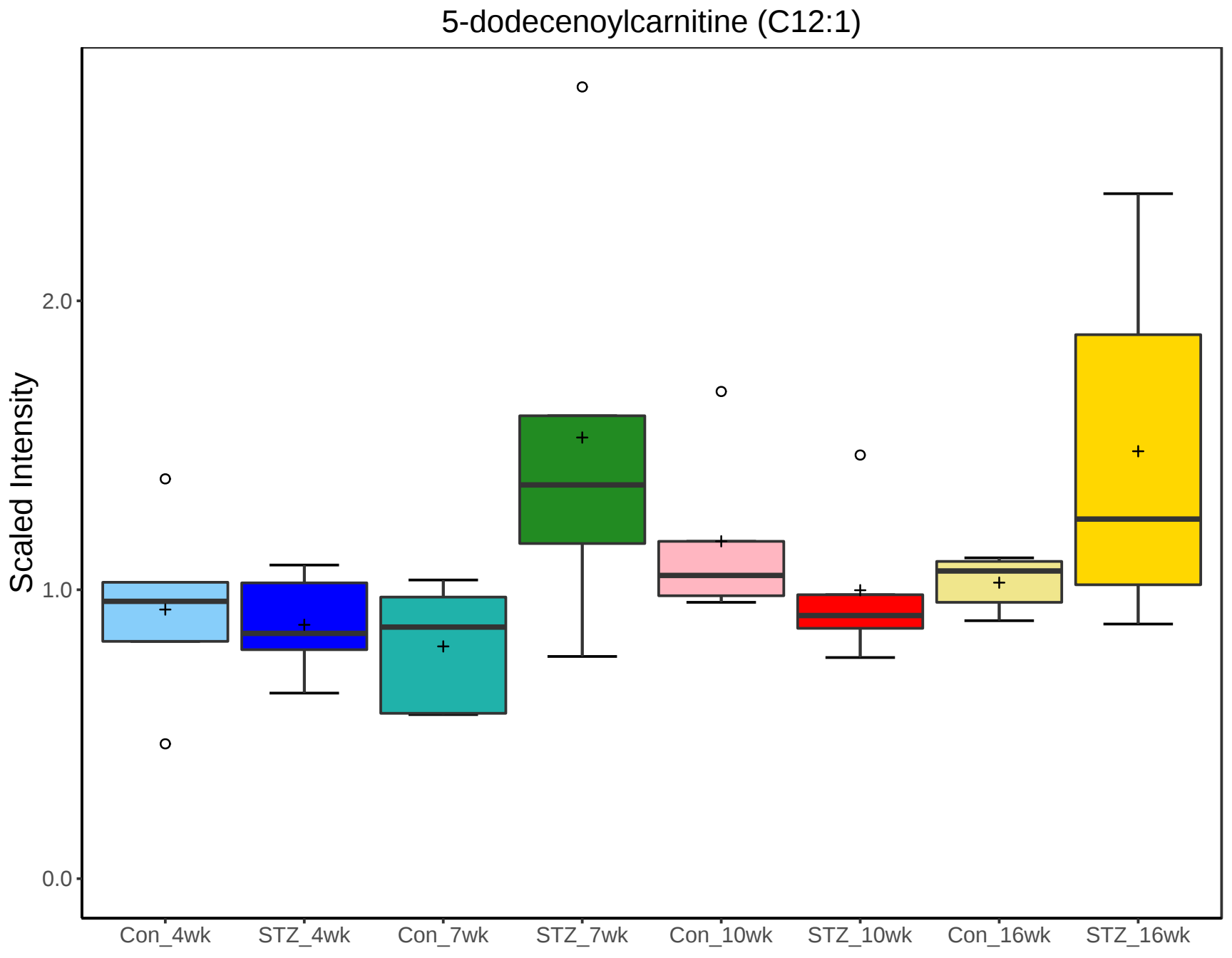

behenoylcarnitine (C22)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

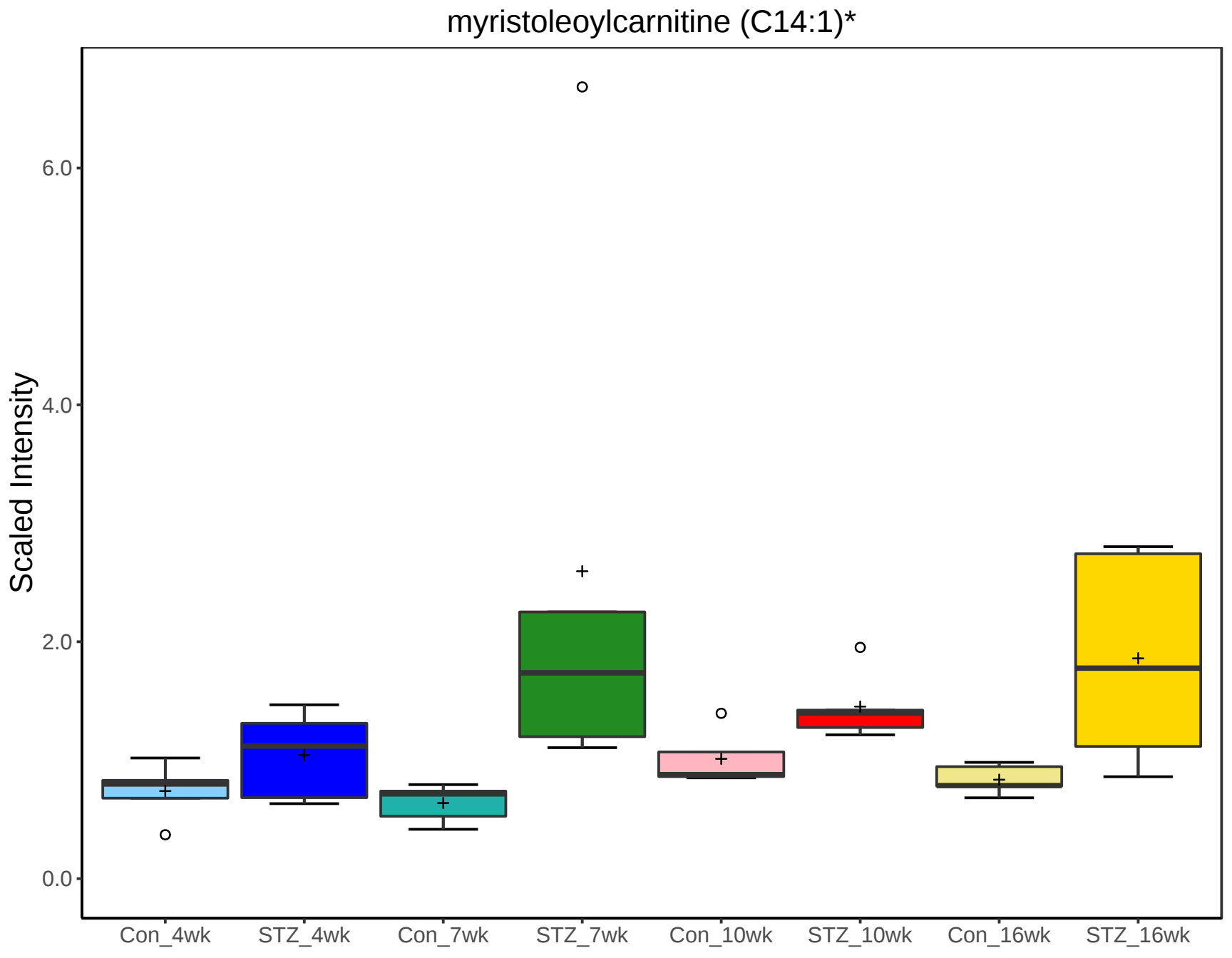

lignoceroylcarnitine (C24)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

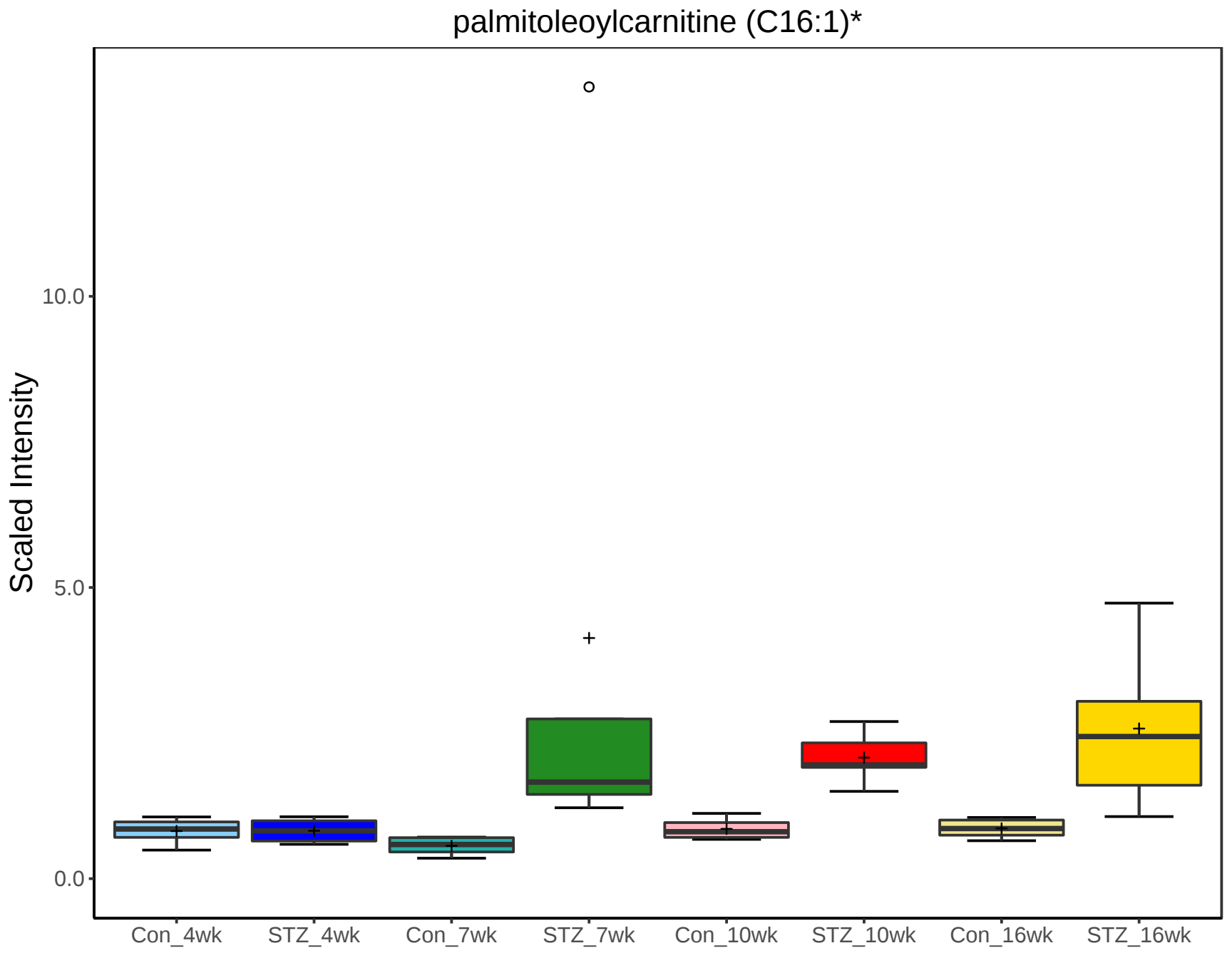

3-decenoylcarnitine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

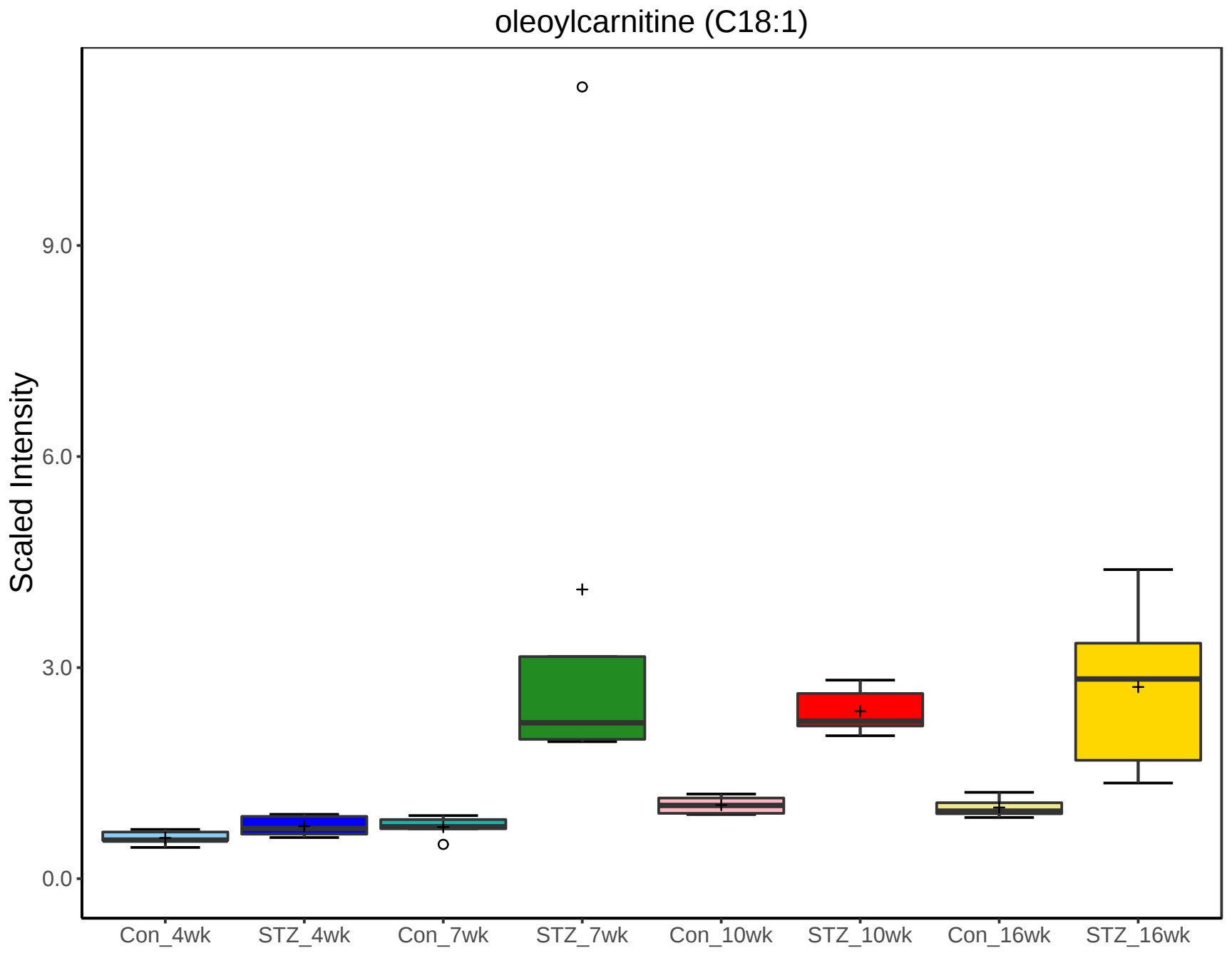

cis-4-decenoylcarnitine (C10:1)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

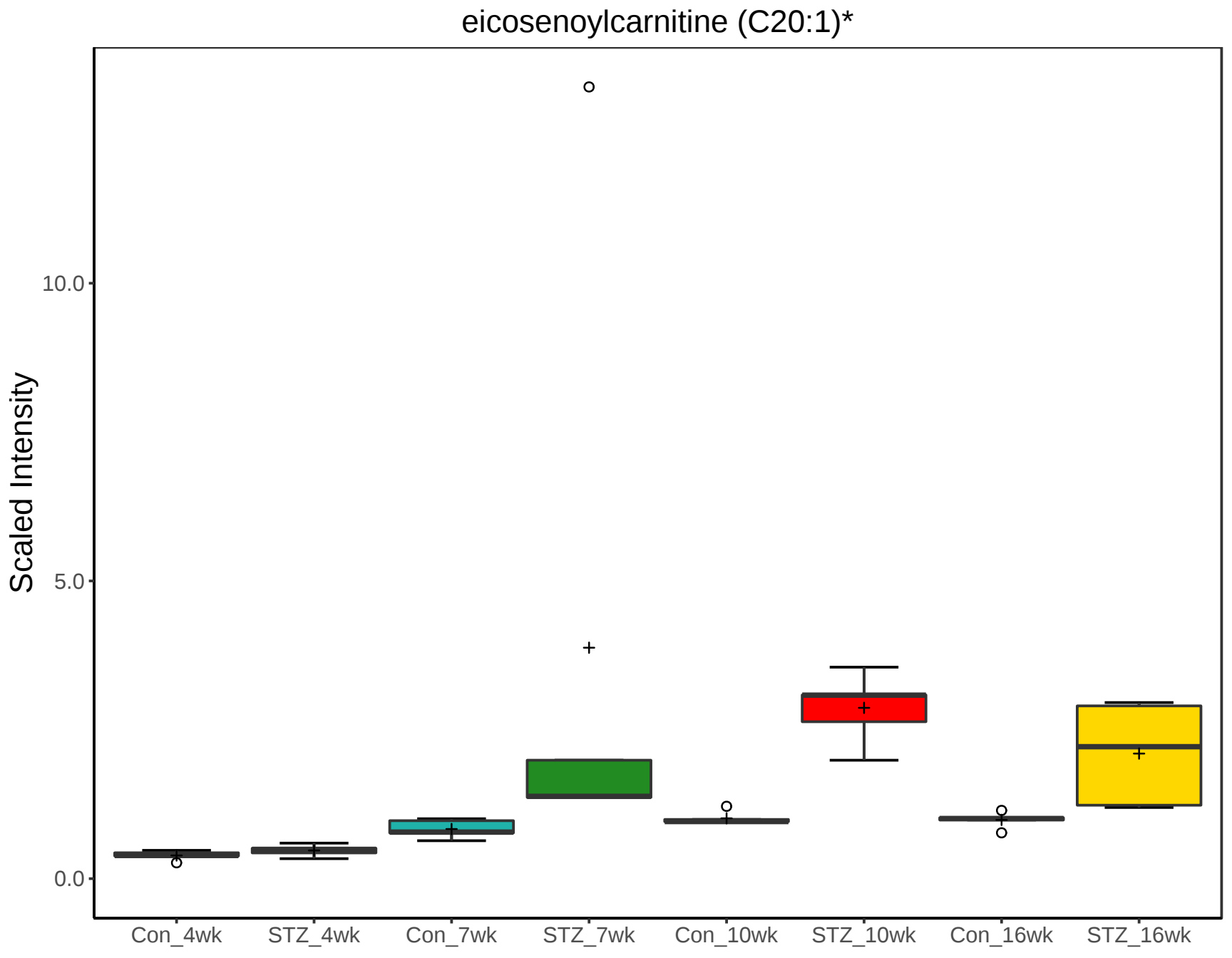

undecenoylcarnitine (C11:1)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

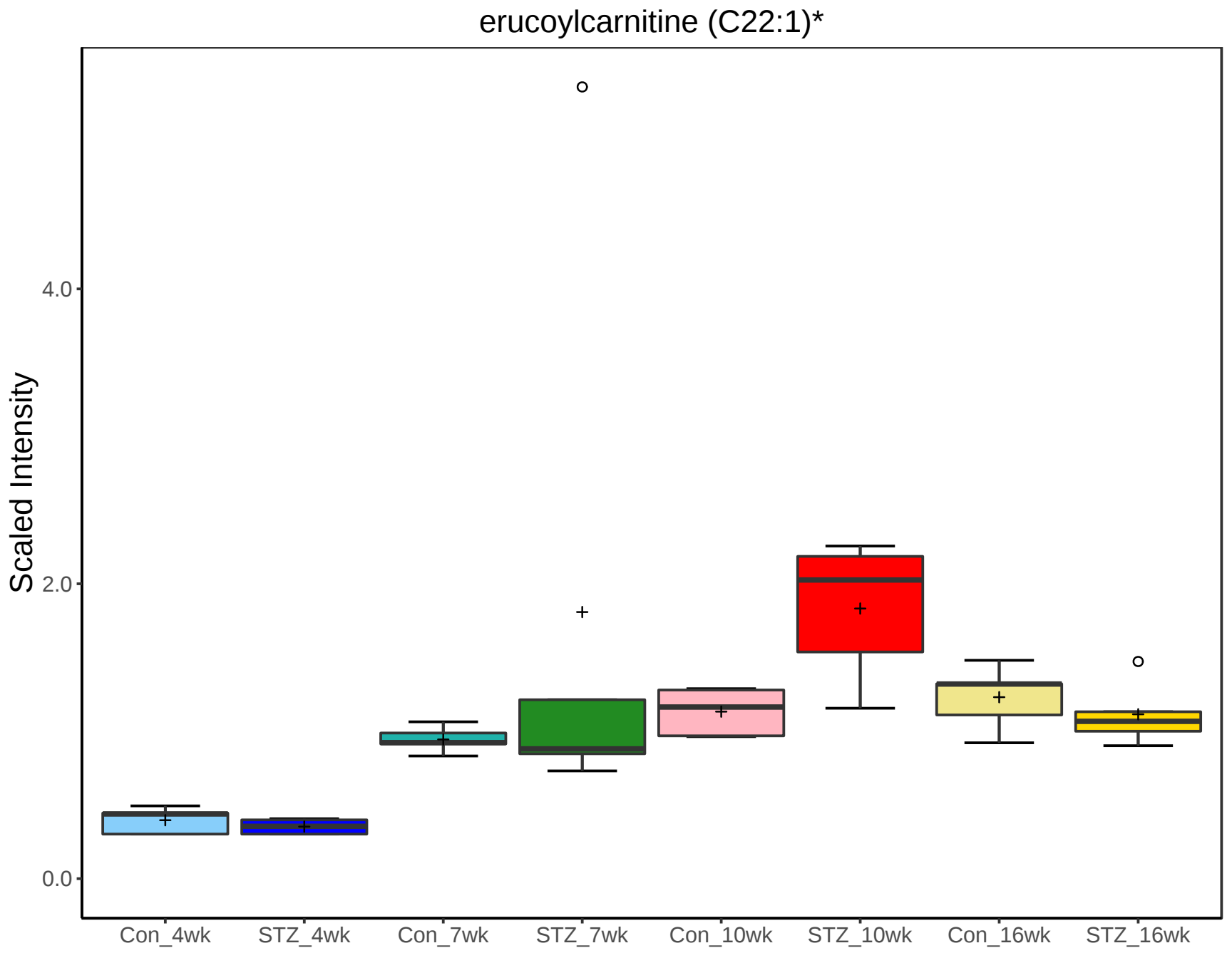

5-dodecenoylcarnitine (C12:1)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

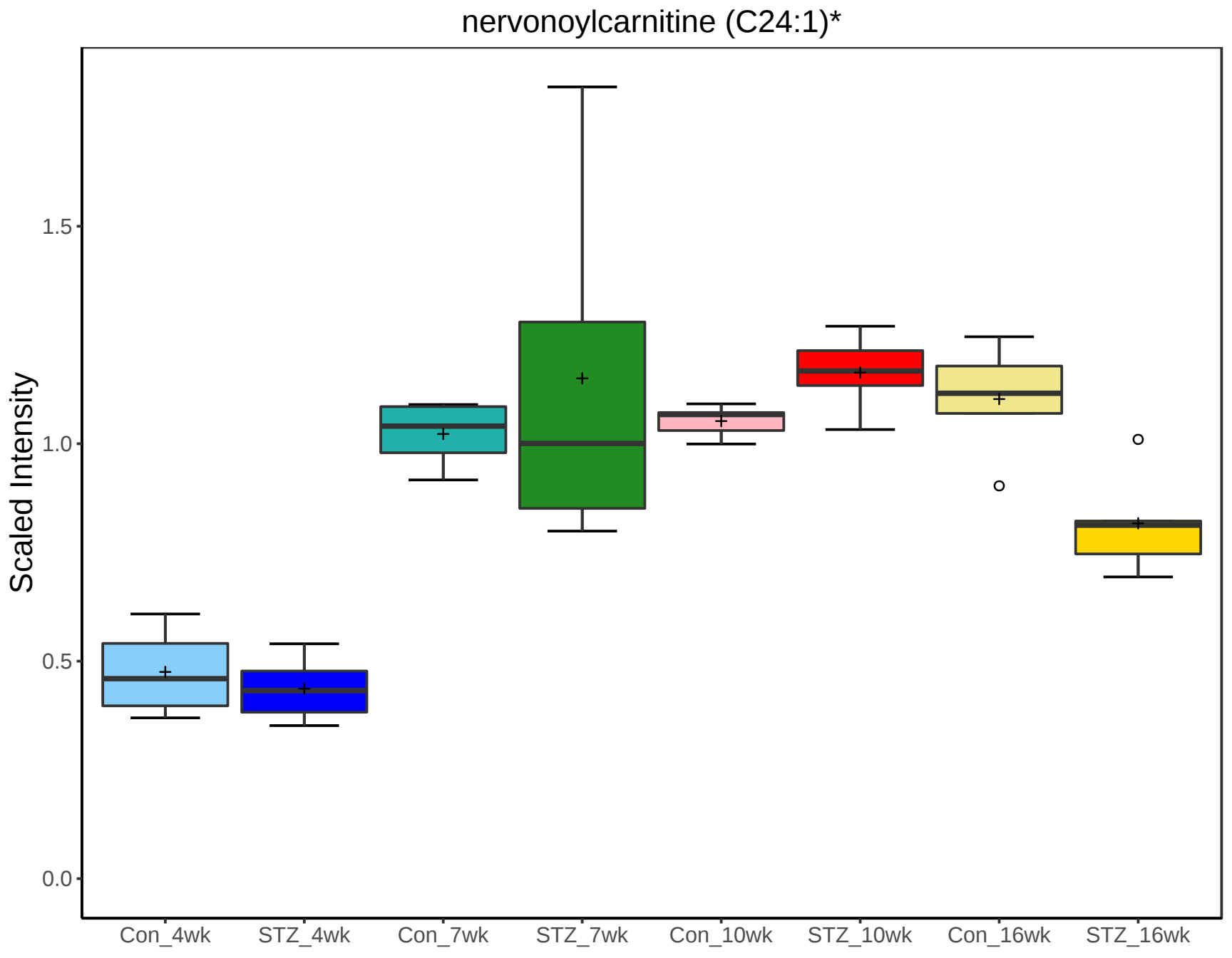

myristoleoylcarnitine (C14:1)*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

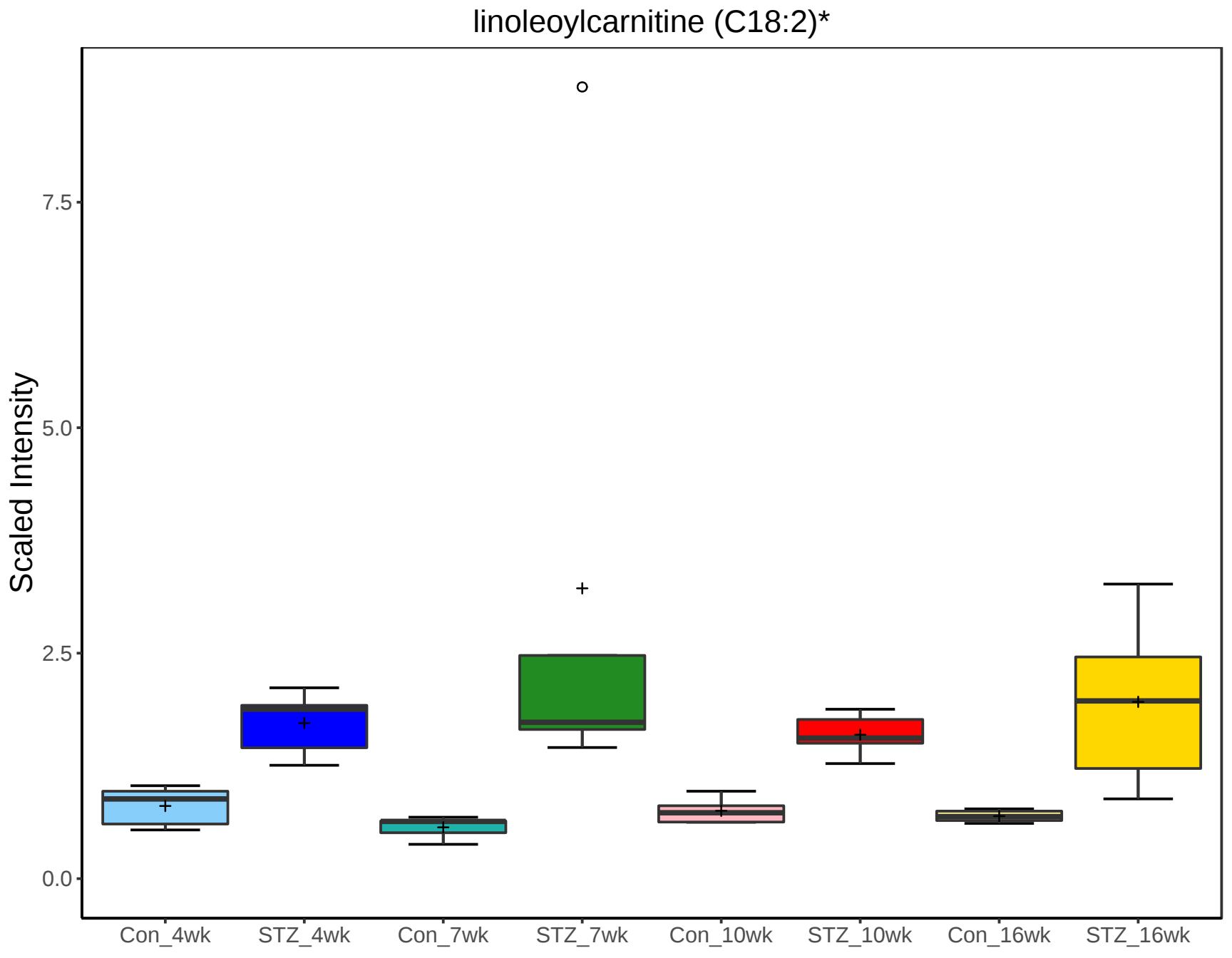

palmitoleoylcarnitine (C16:1)*
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

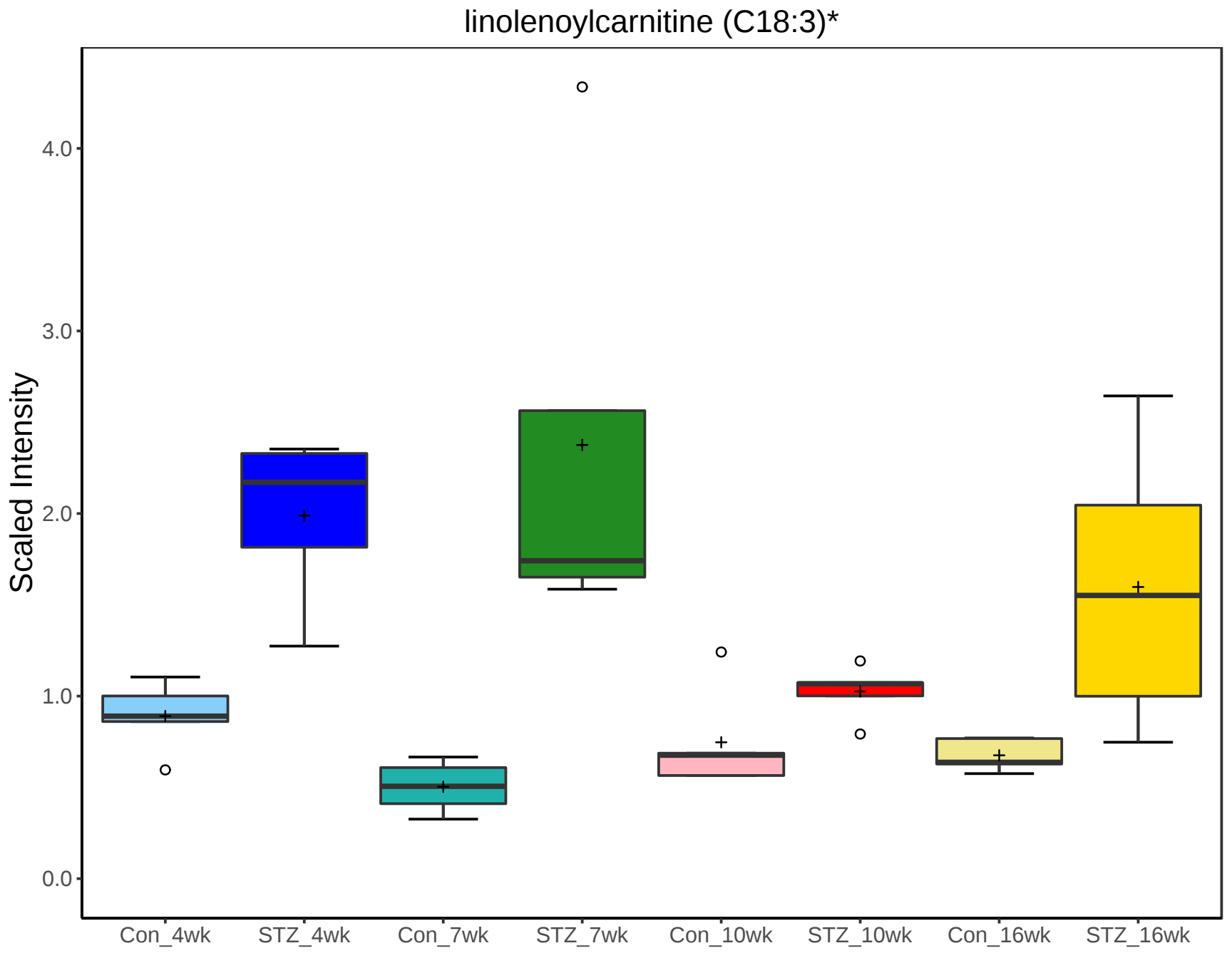

oleoylcarnitine (C18:1)
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

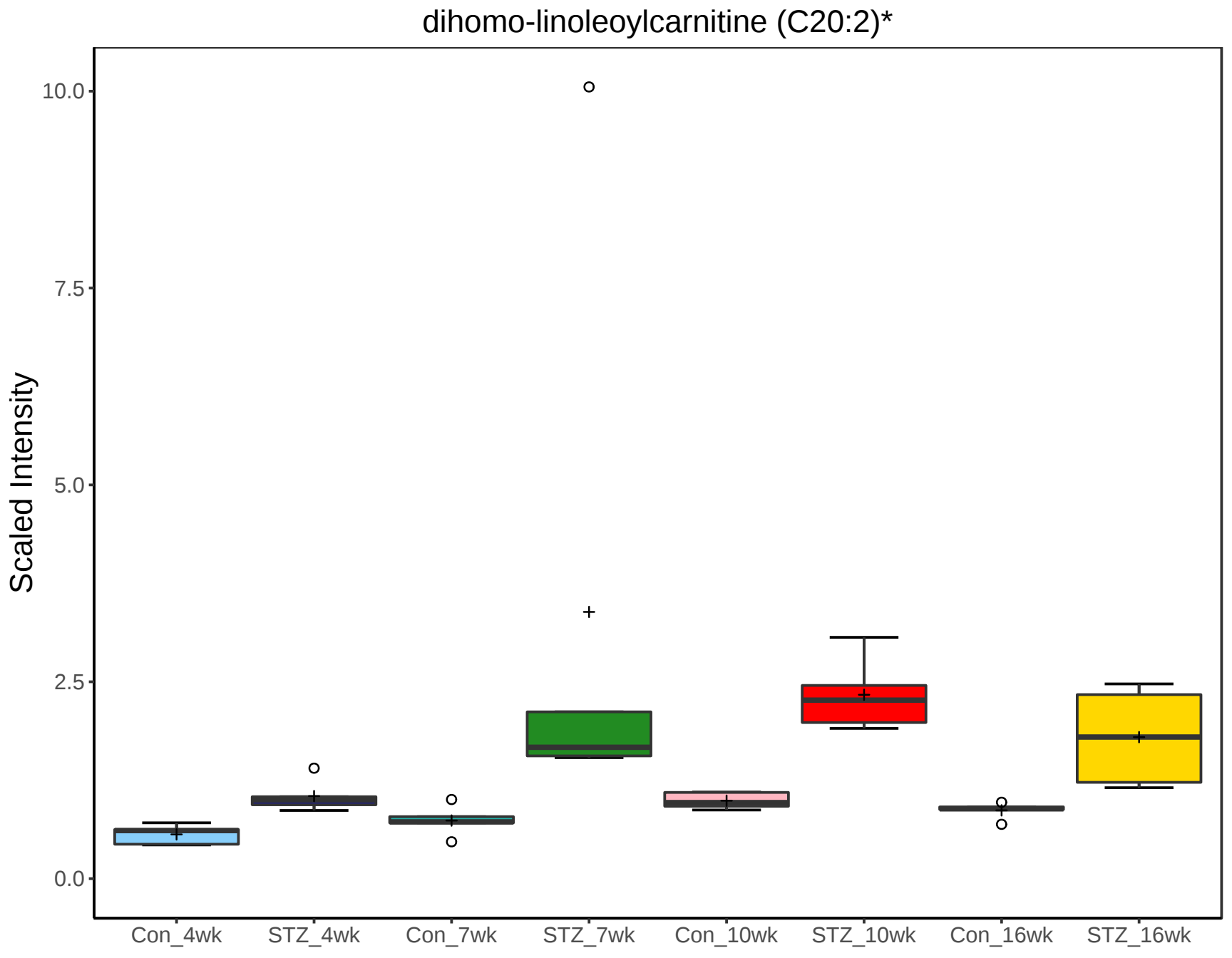

eicosenoylcarnitine (C20:1)*
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

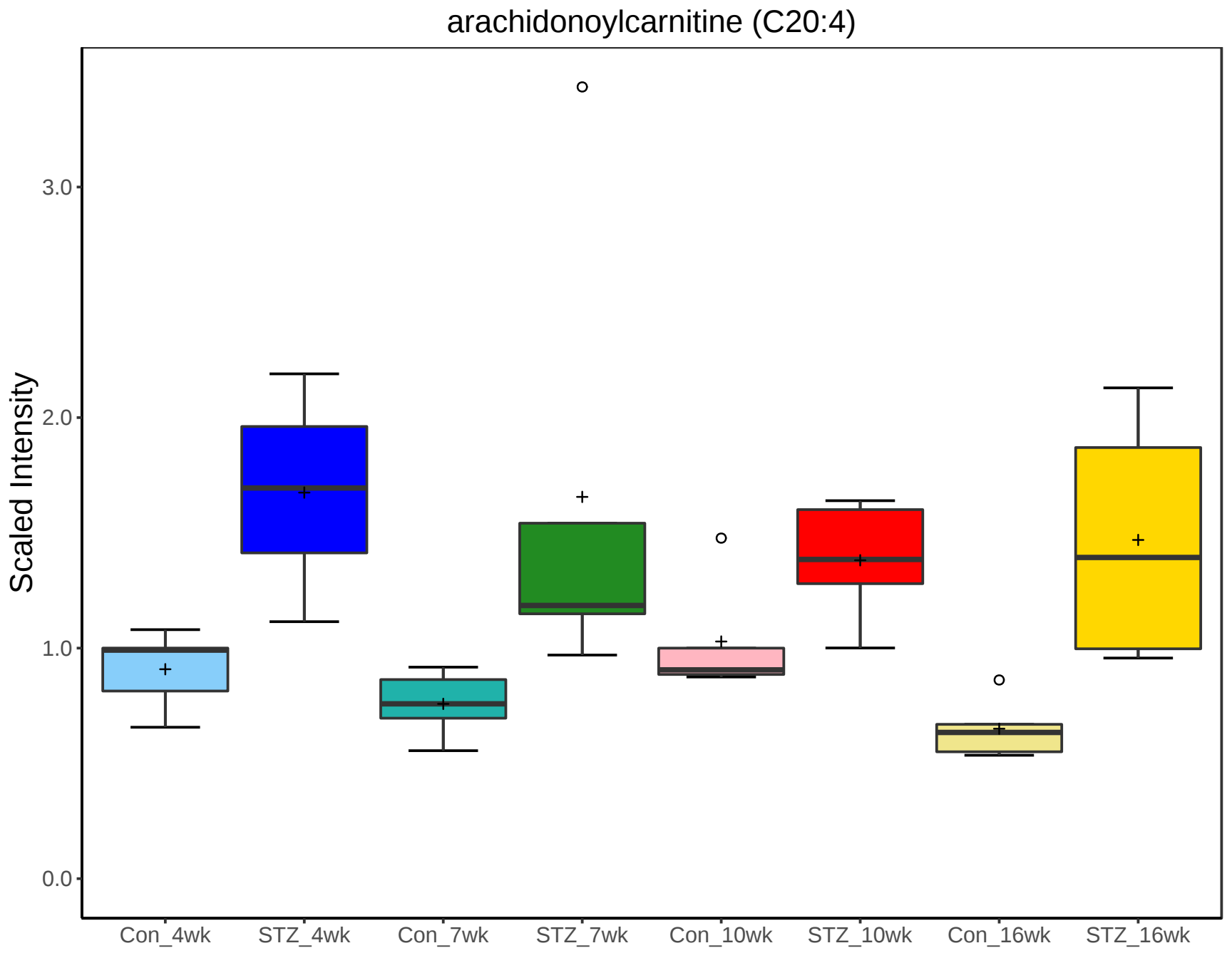

erucoylcarnitine (C22:1)*
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

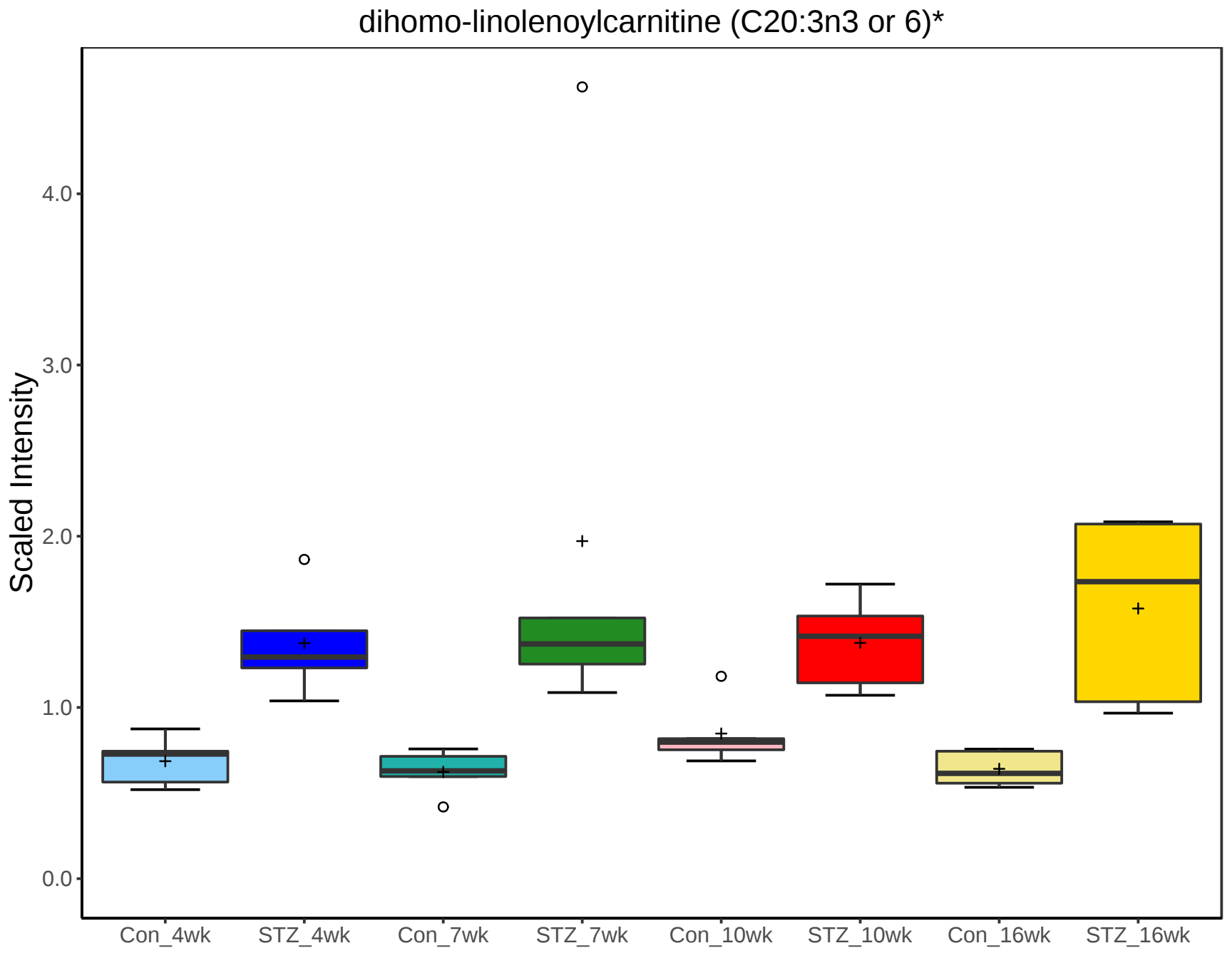

nervonoylcarnitine (C24:1)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

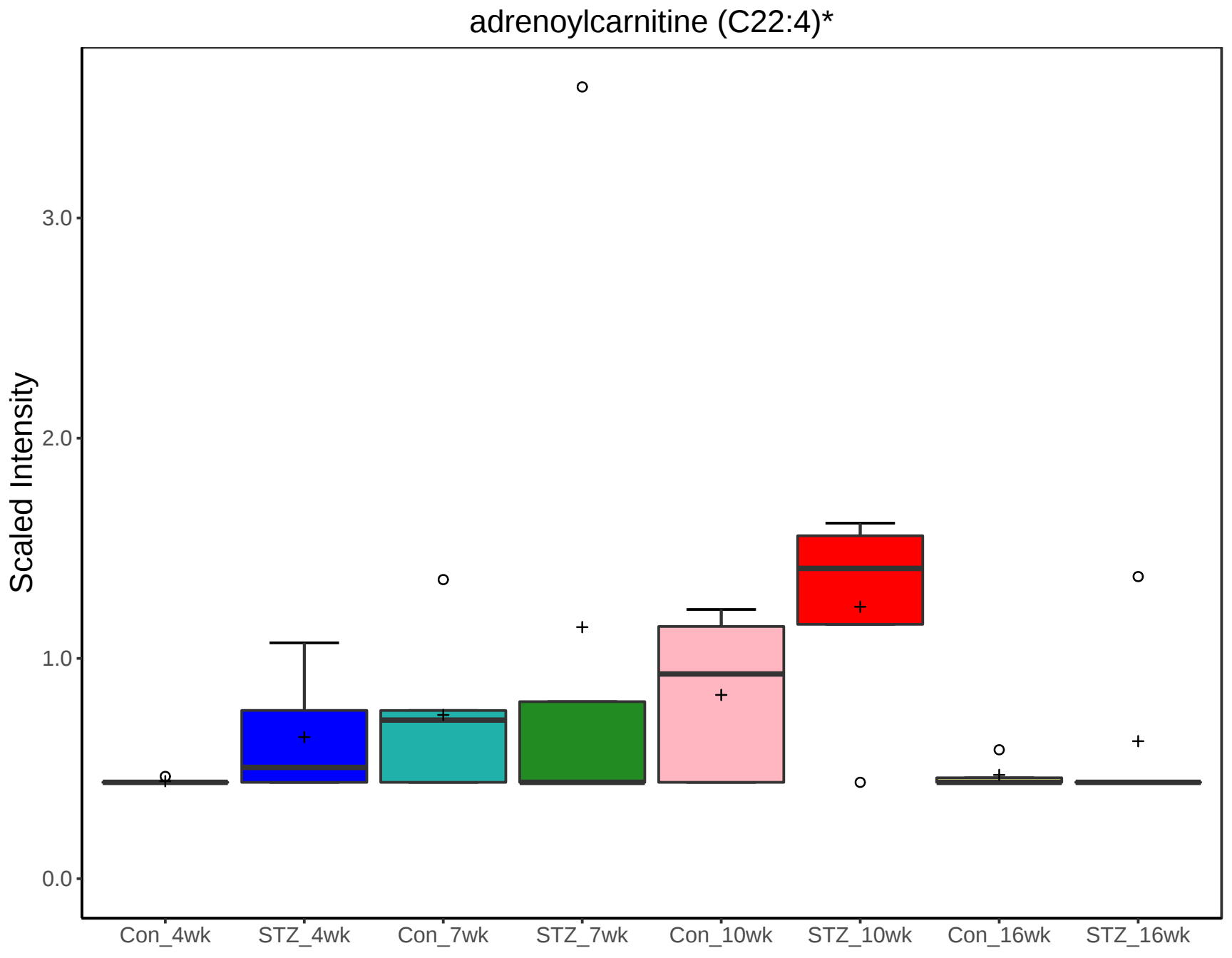

linoleoylcarnitine (C18:2)*
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

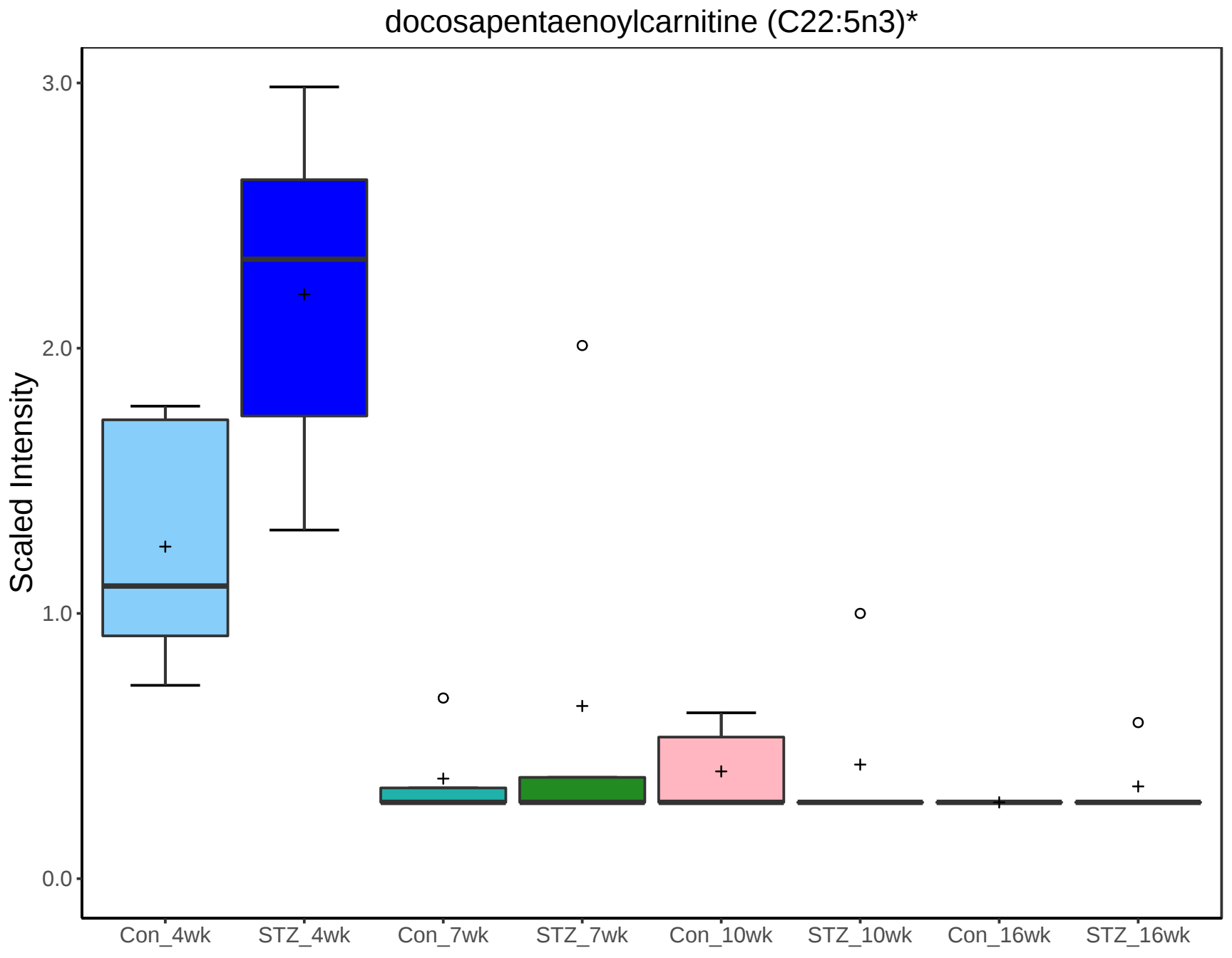

linolenoylcarnitine (C18:3)*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

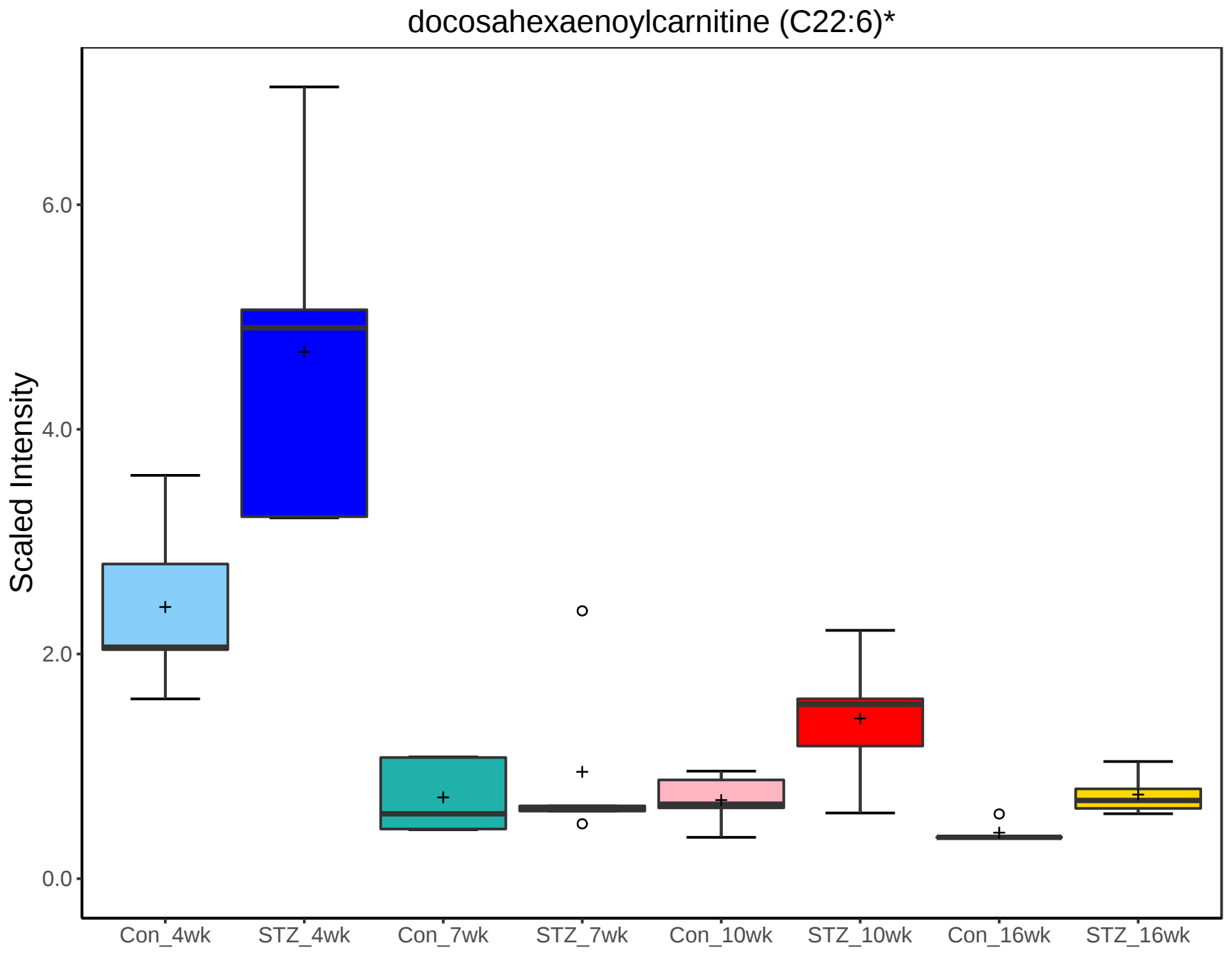

dihomo-linoleoylcarnitine (C20:2)*
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

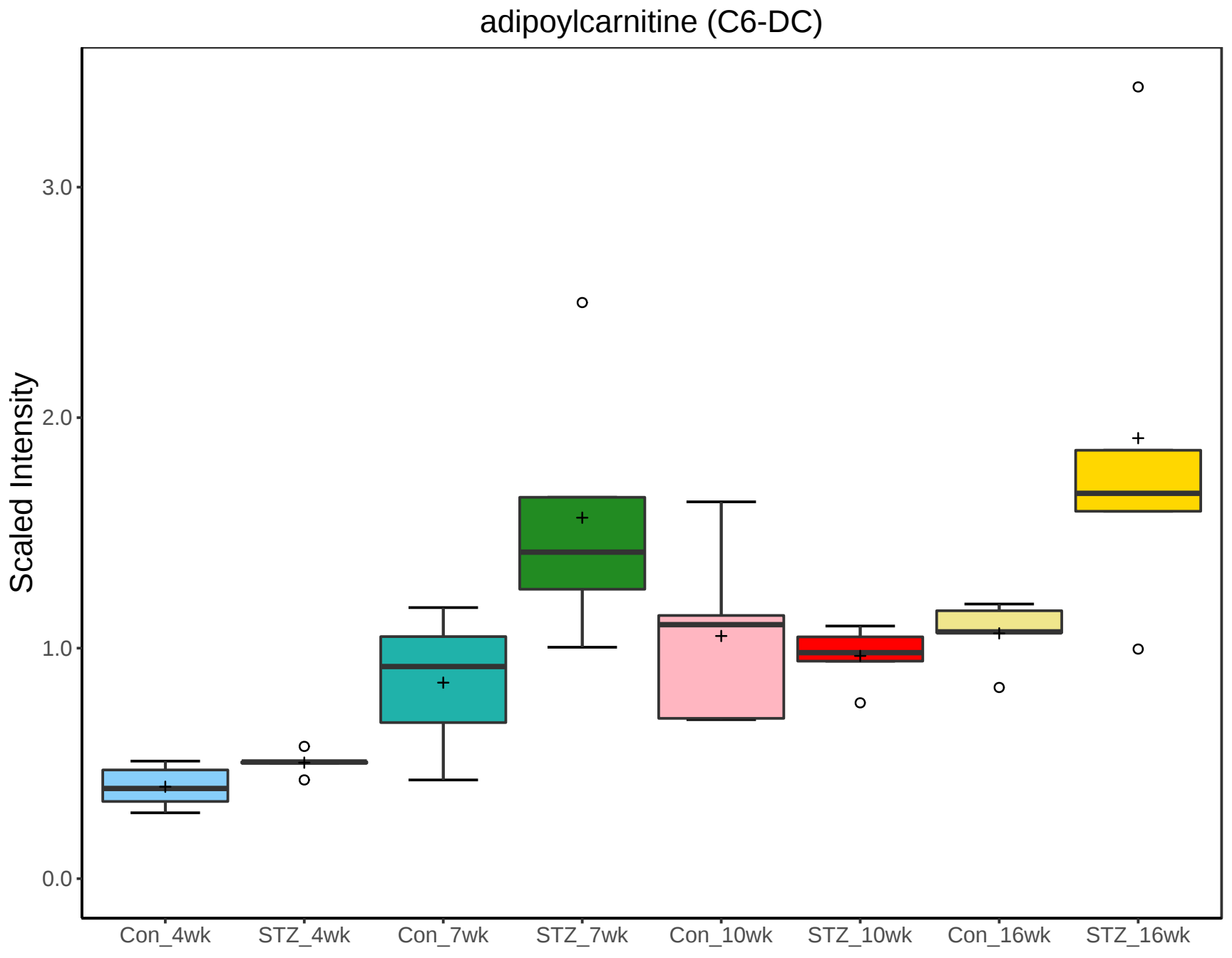

arachidonoylcarnitine (C20:4)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

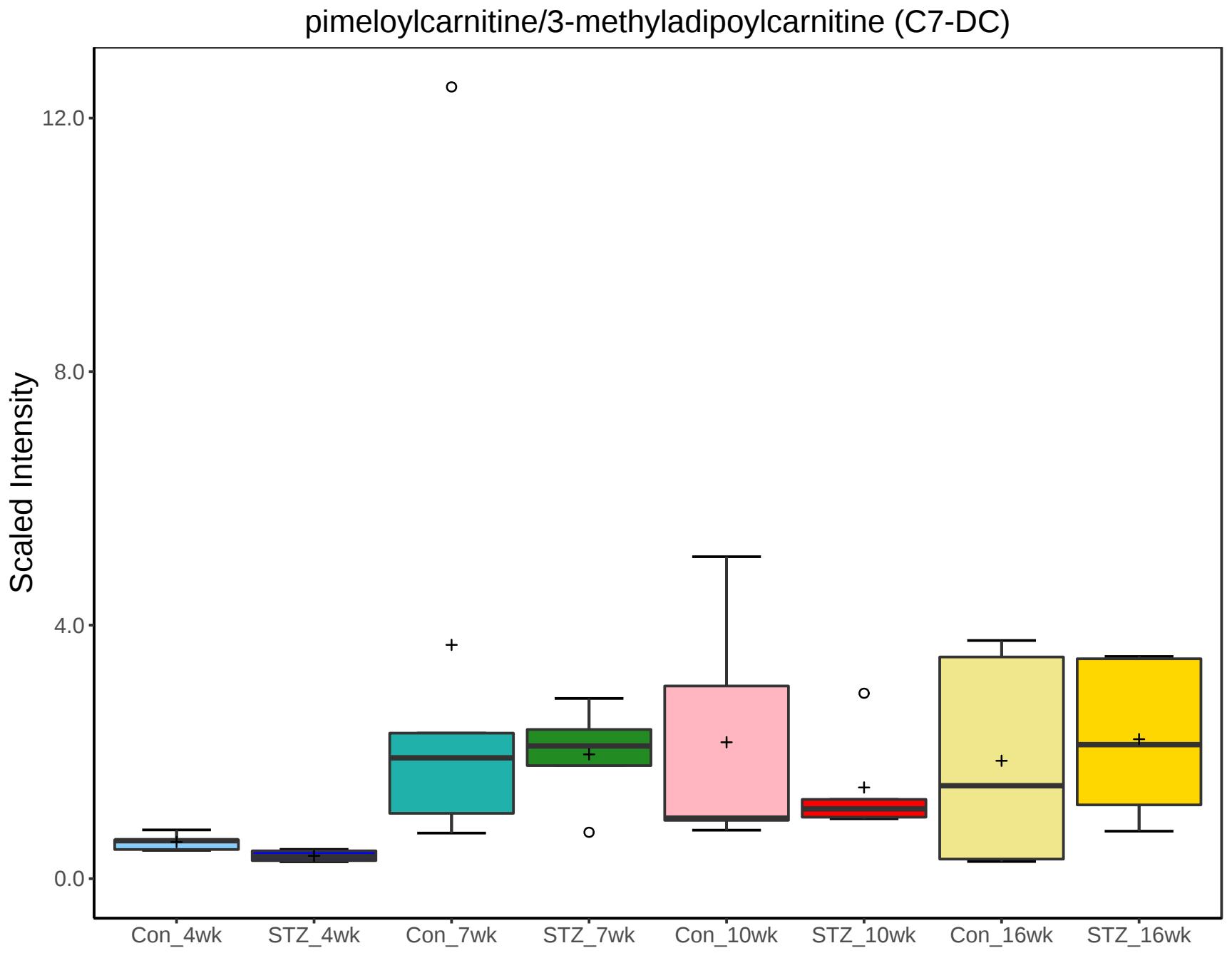

dihomo-linolenoylcarnitine (C20:3n3 or 6)*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

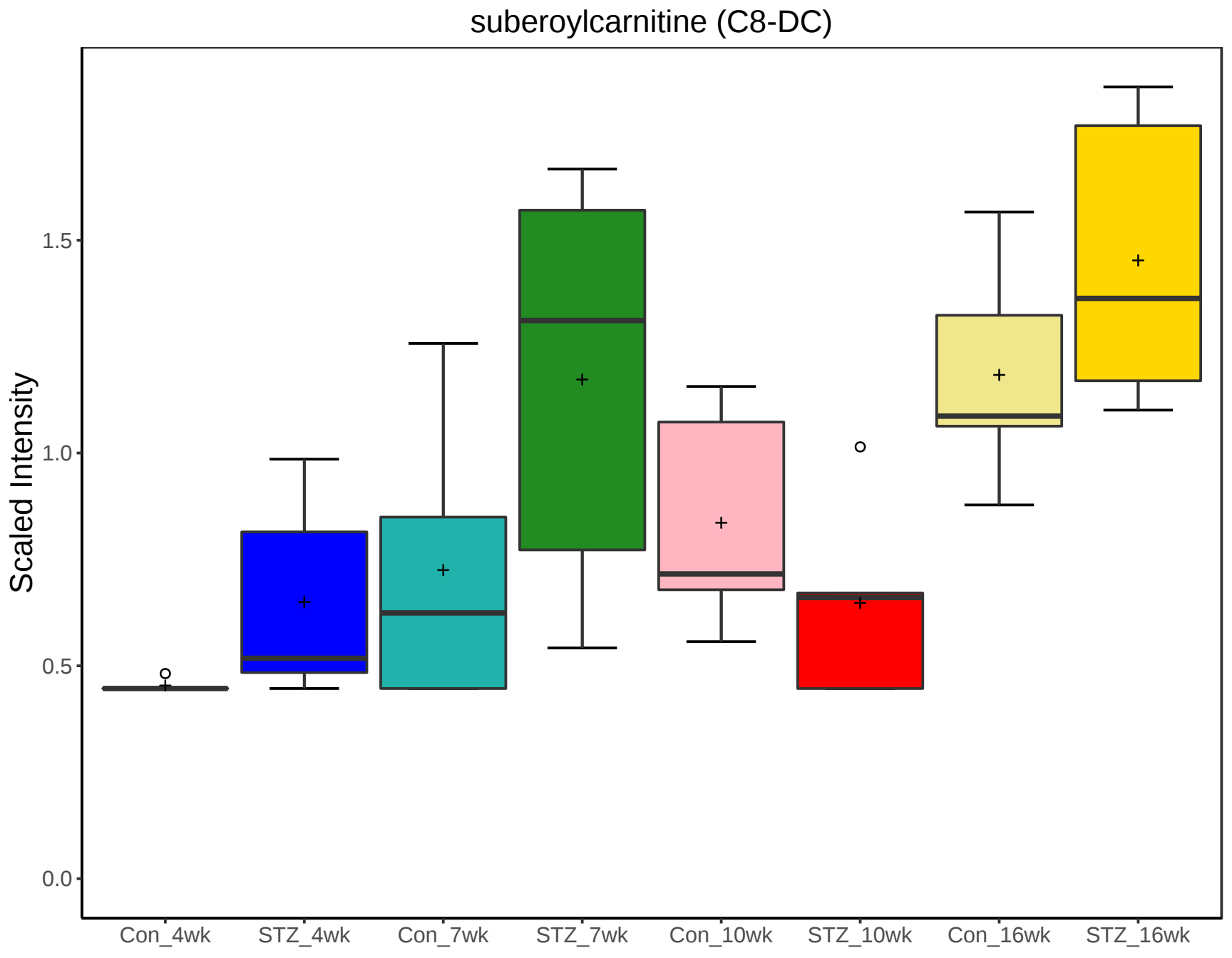

adrenoylcarnitine (C22:4)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

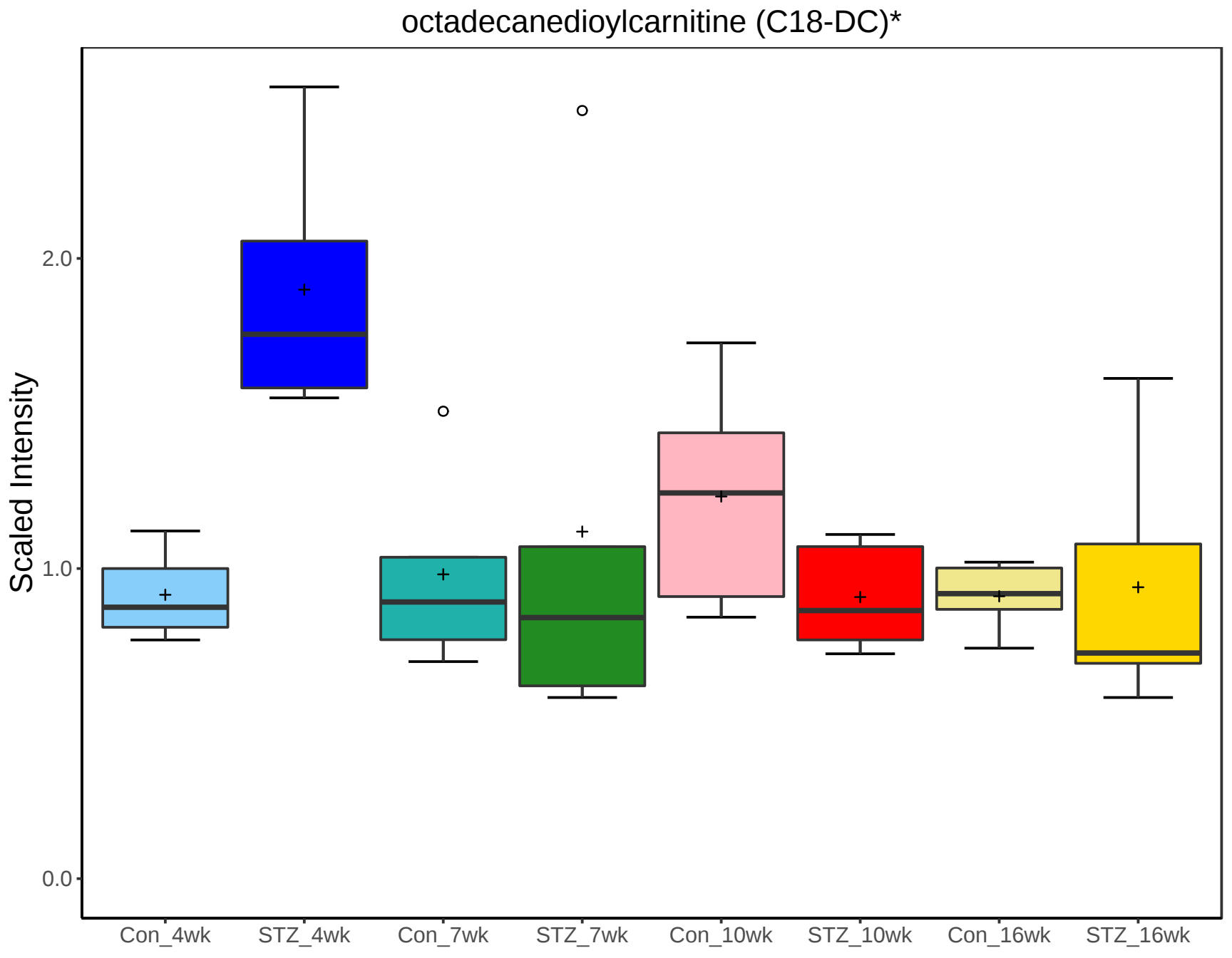

docosapentaenoylcarnitine (C22:5n3)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

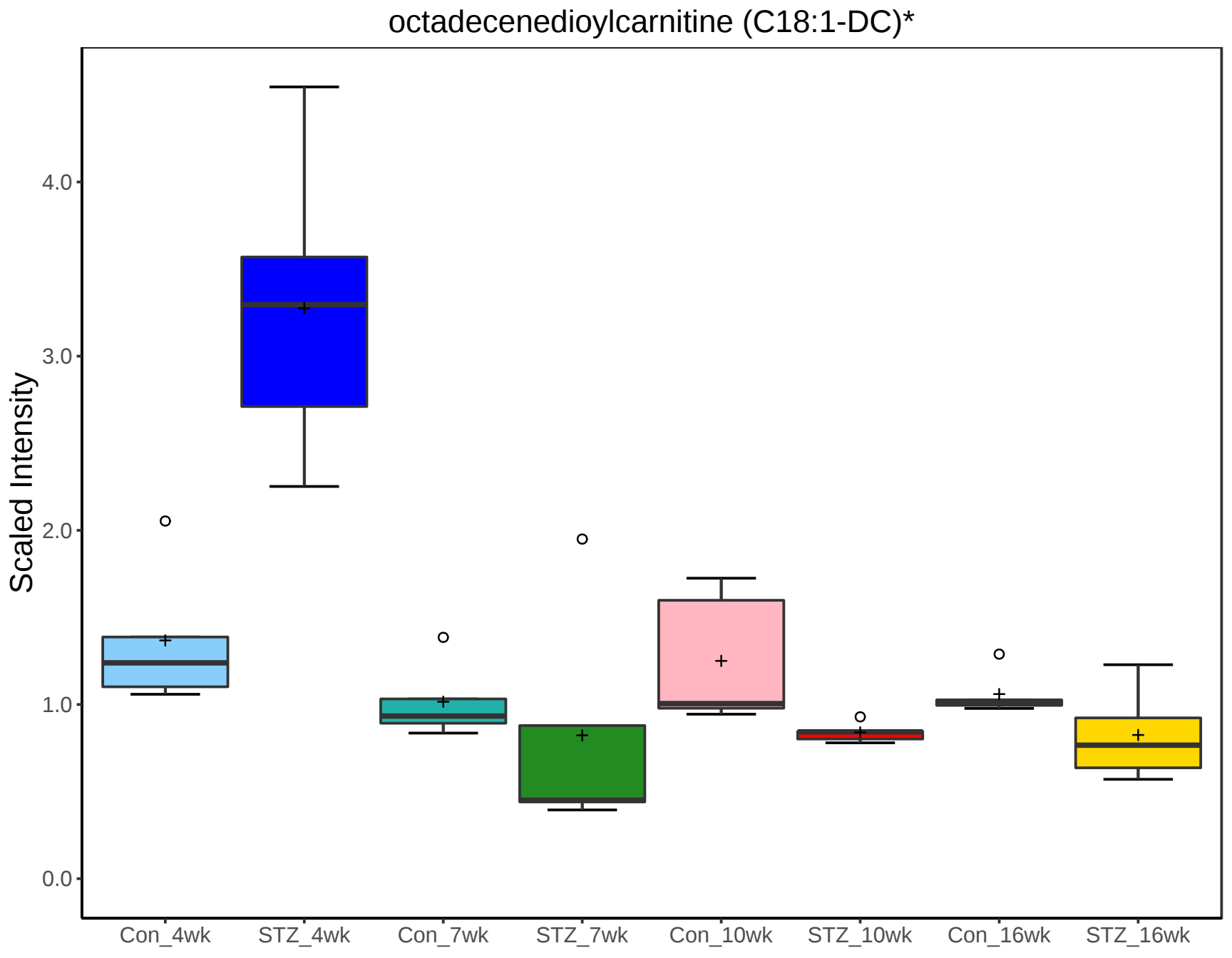

docosahexaenoylcarnitine (C22:6)*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

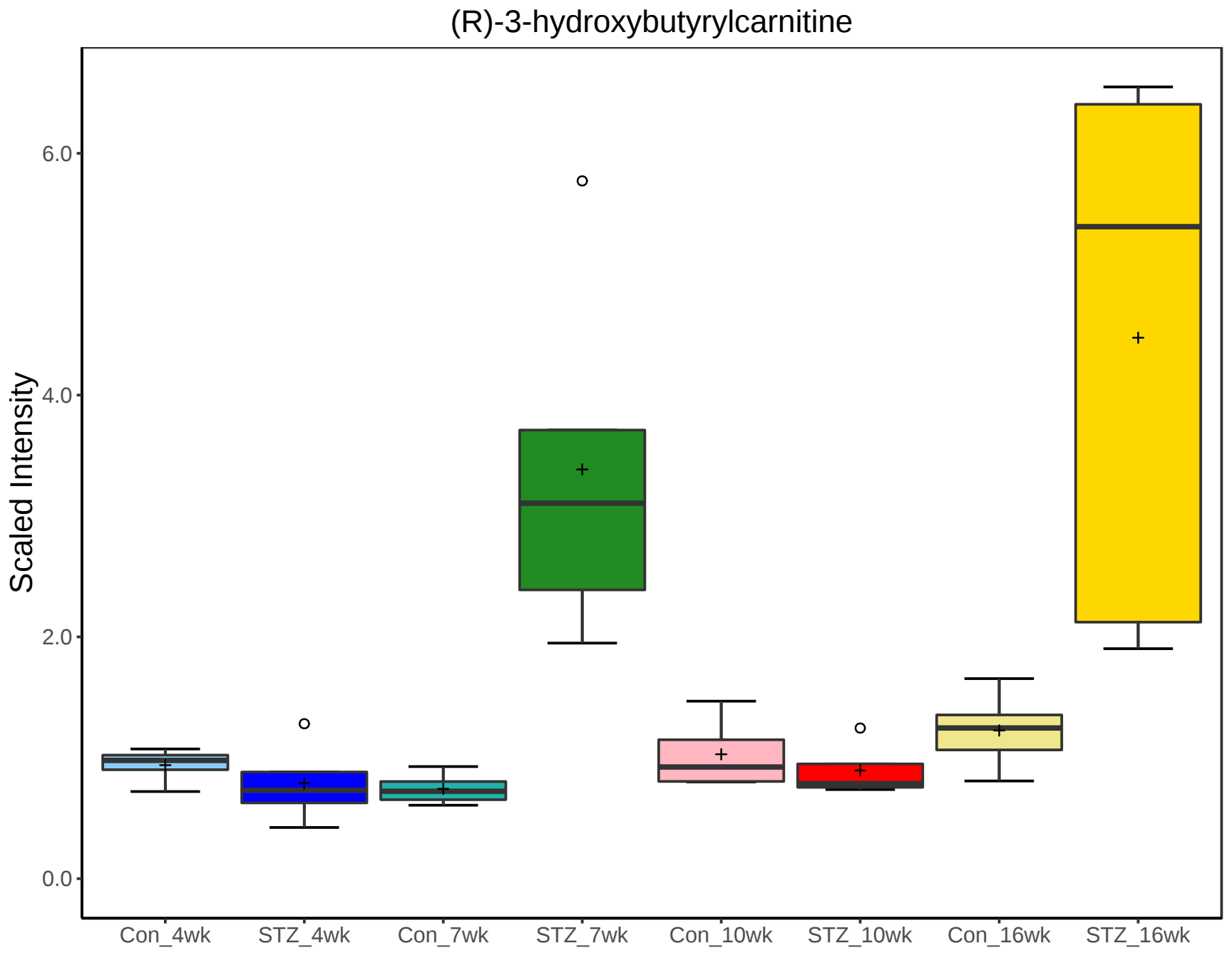

adipoylcarnitine (C6-DC)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

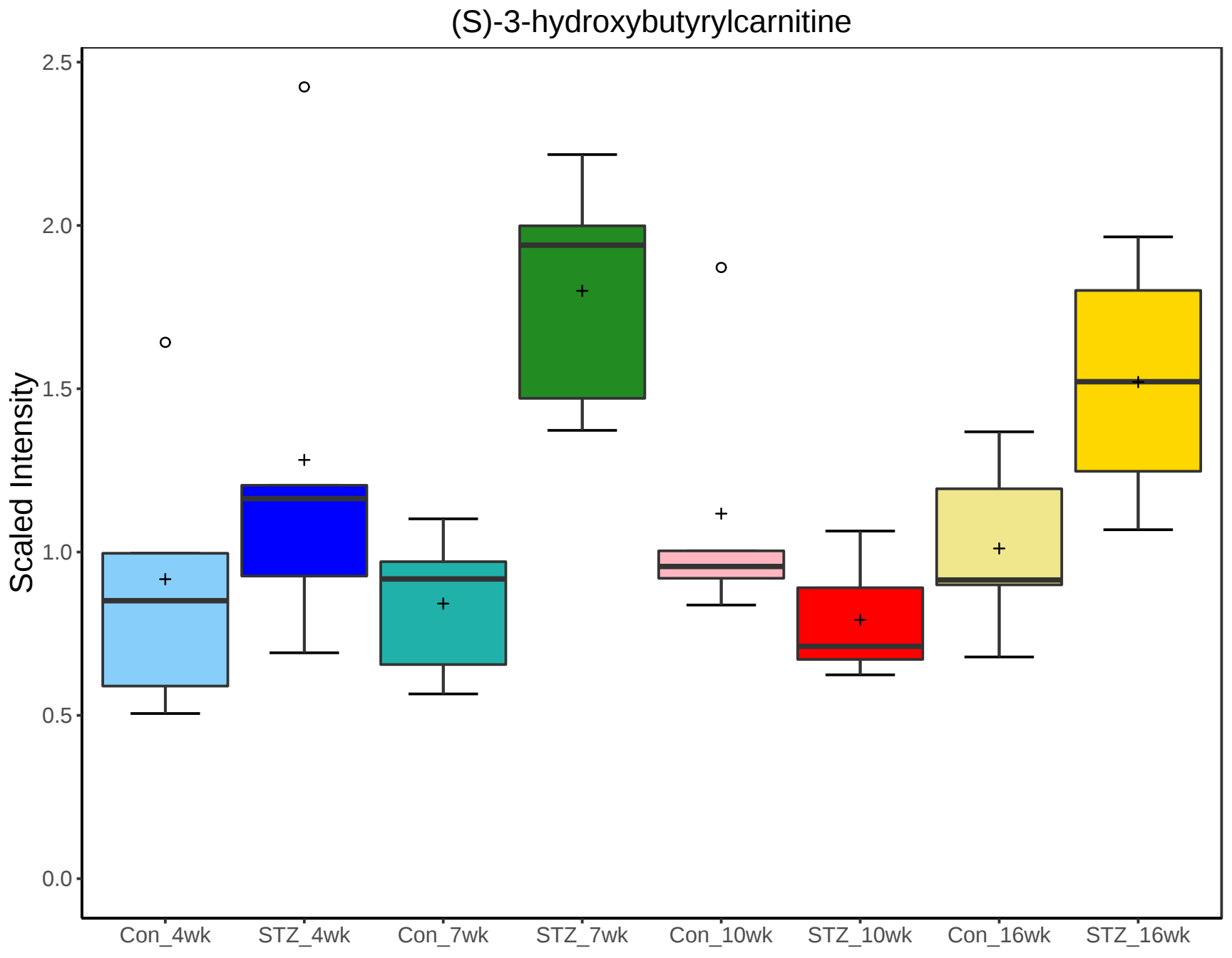

pimeloylcarnitine/3-methyladipoylcarnitine (C7-DC)
Scaled Intensity
12.0
8.0
4.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

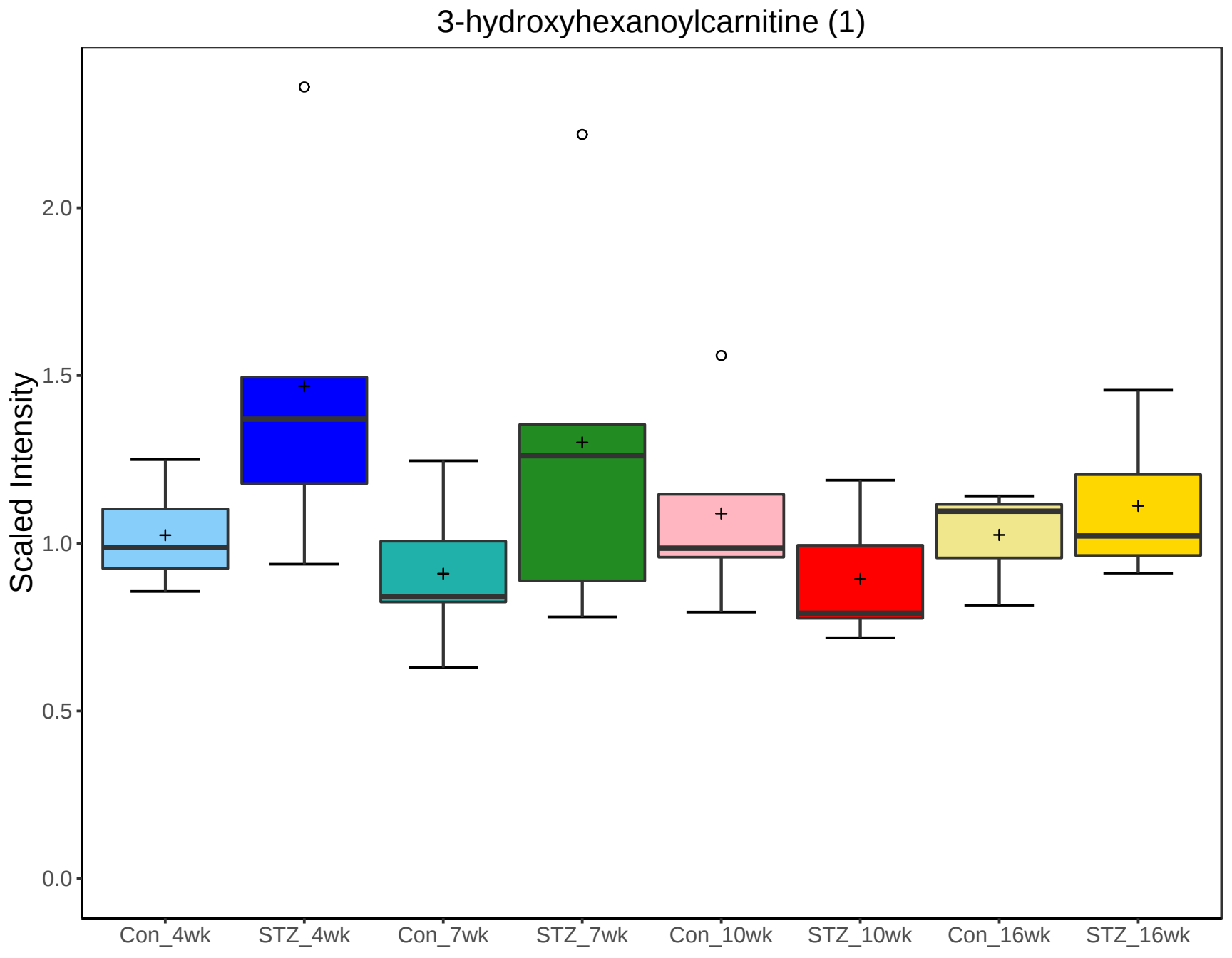

suberoylcarnitine (C8-DC)
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

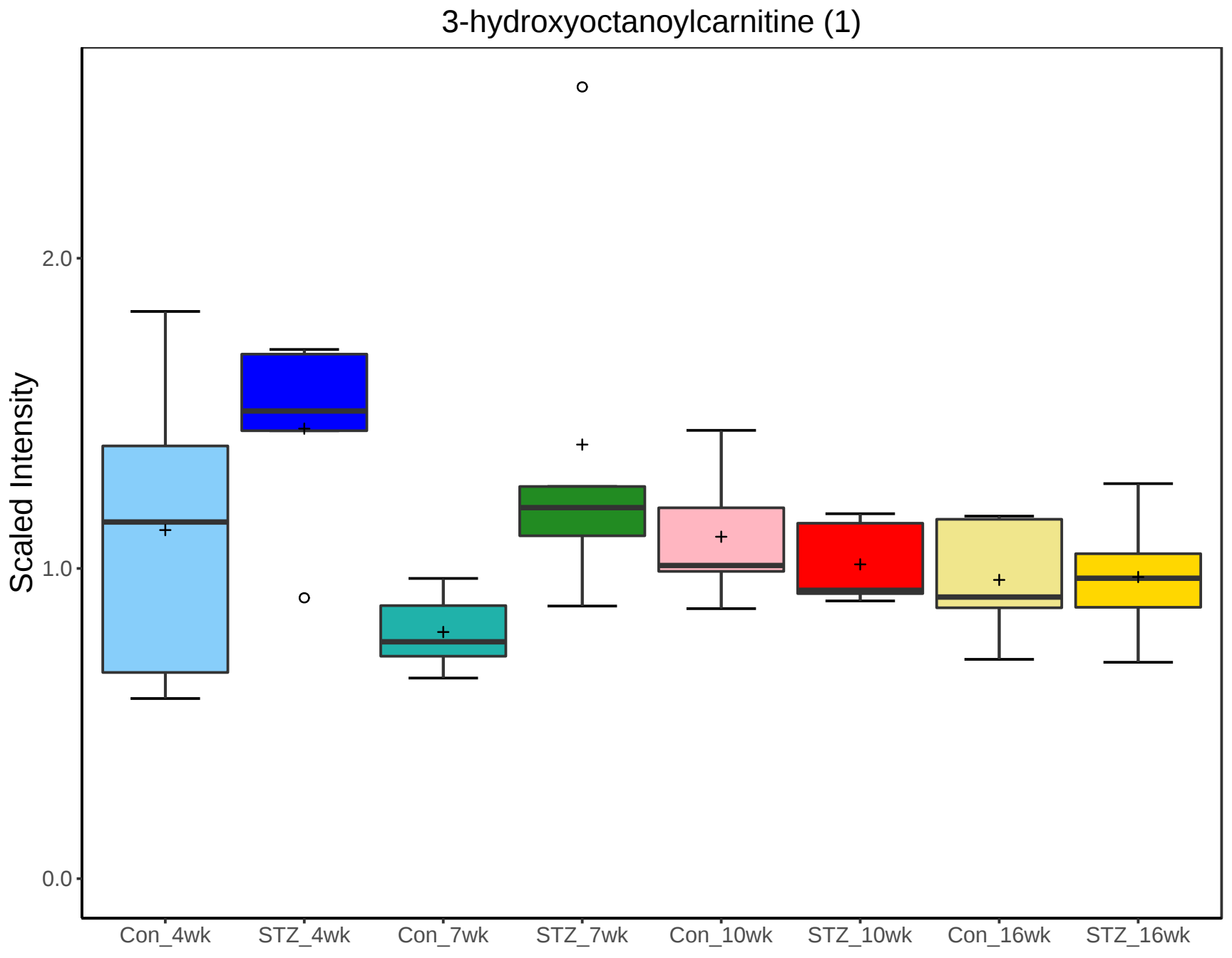

octadecanedioylcarnitine (C18-DC)*
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

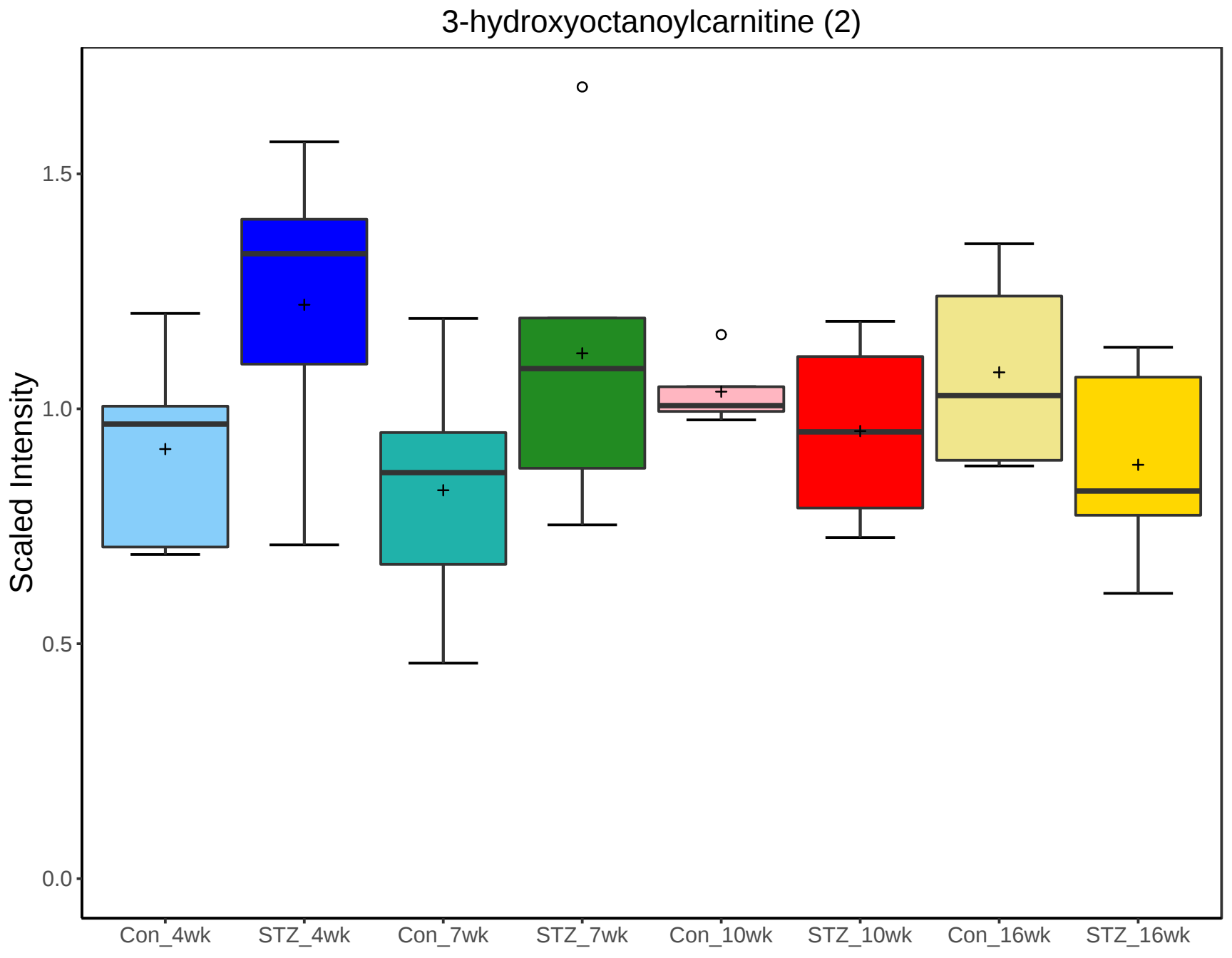

octadecenedioylcarnitine (C18:1-DC)*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

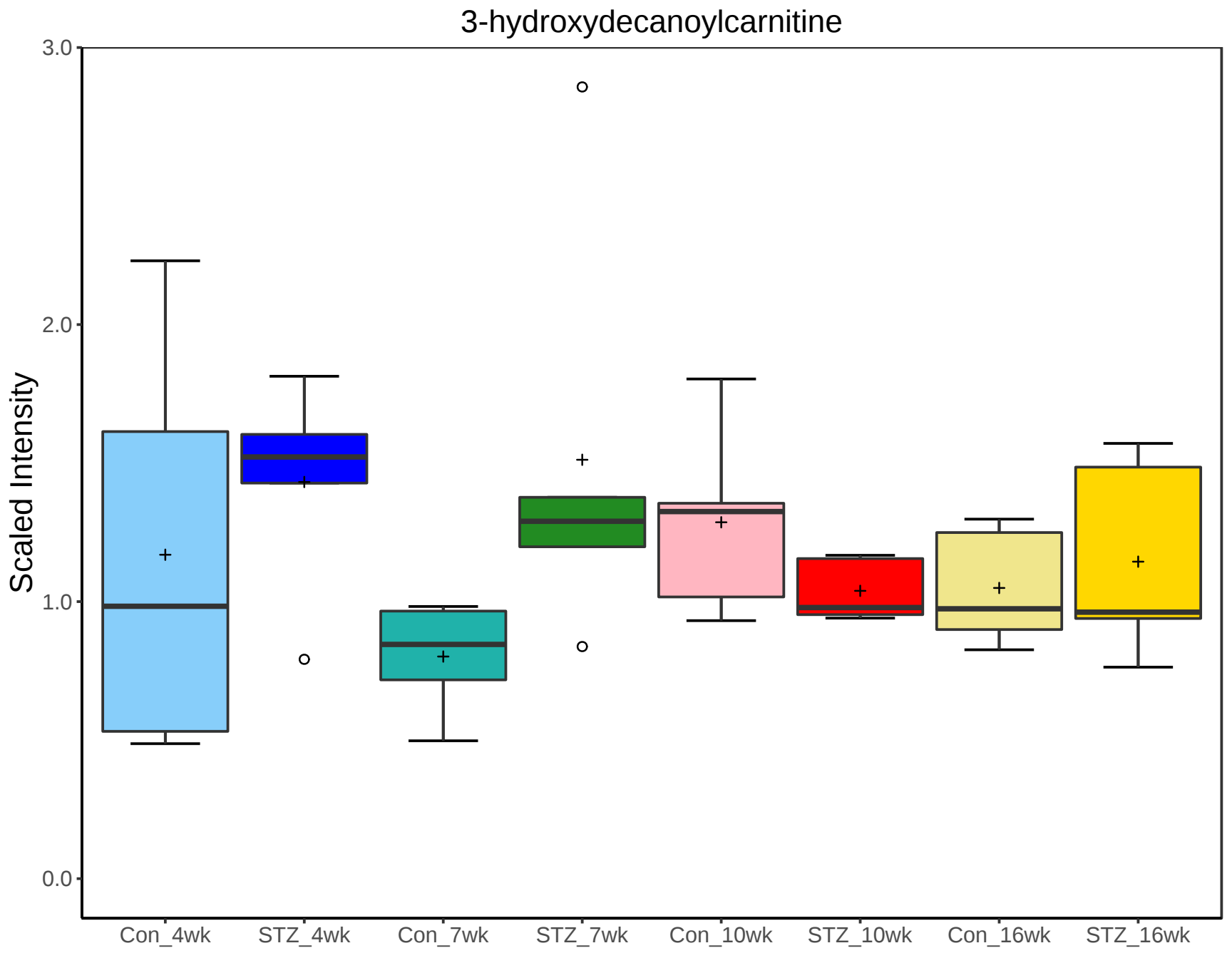

(R)-3-hydroxybutyrylcarnitine
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

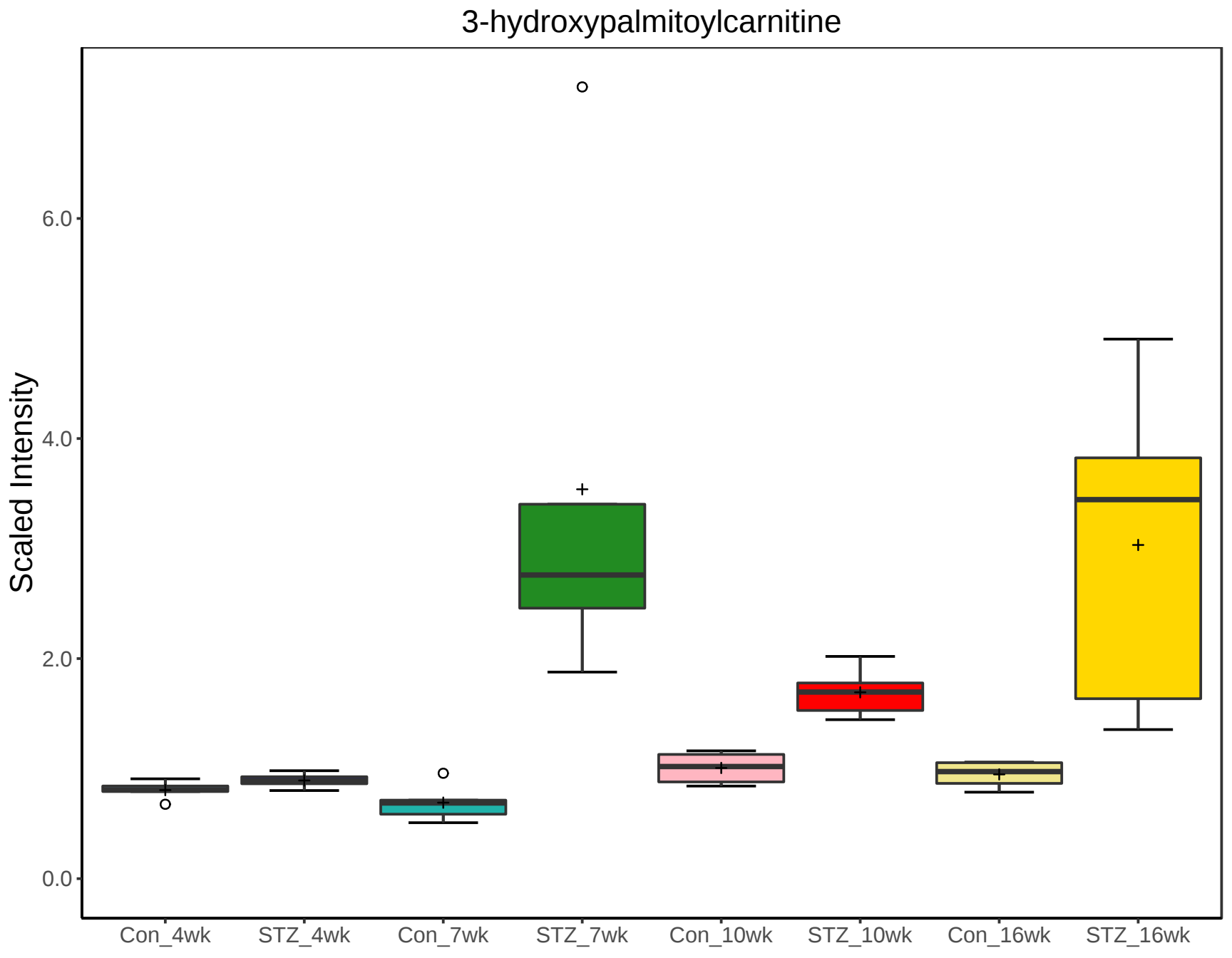

(S)-3-hydroxybutyrylcarnitine
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

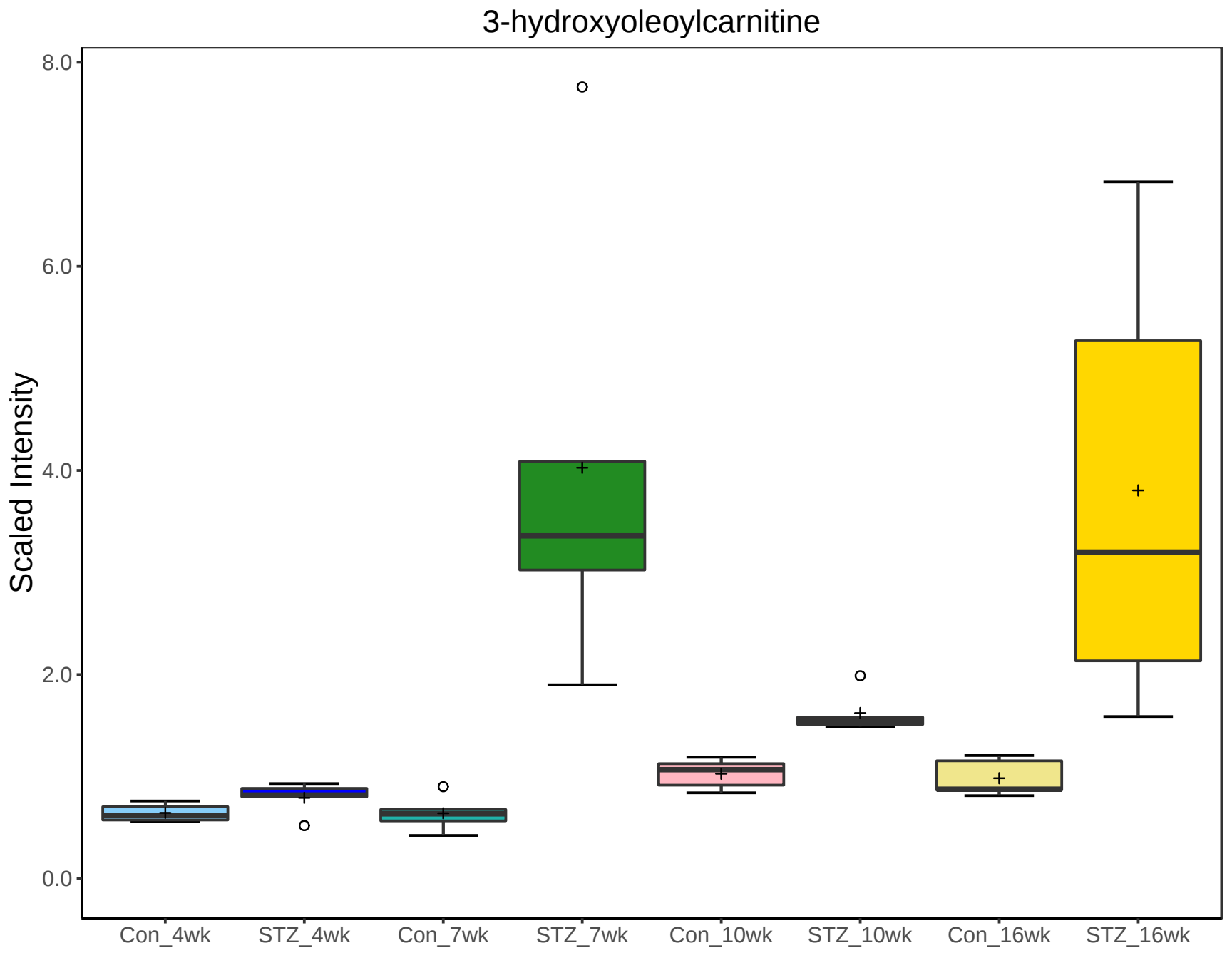

3-hydroxyhexanoylcarnitine (1)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

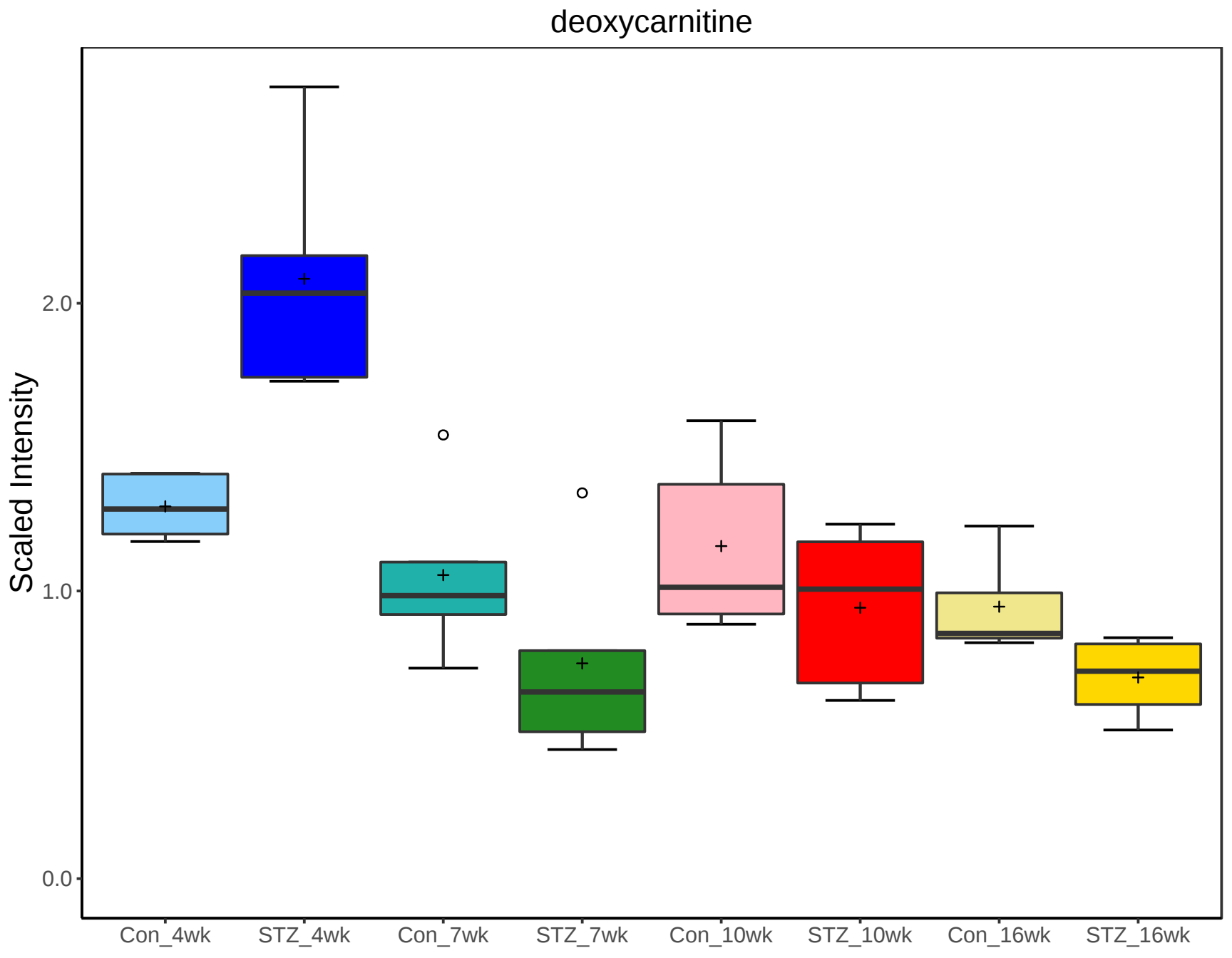

3-hydroxyoctanoylcarnitine (1)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

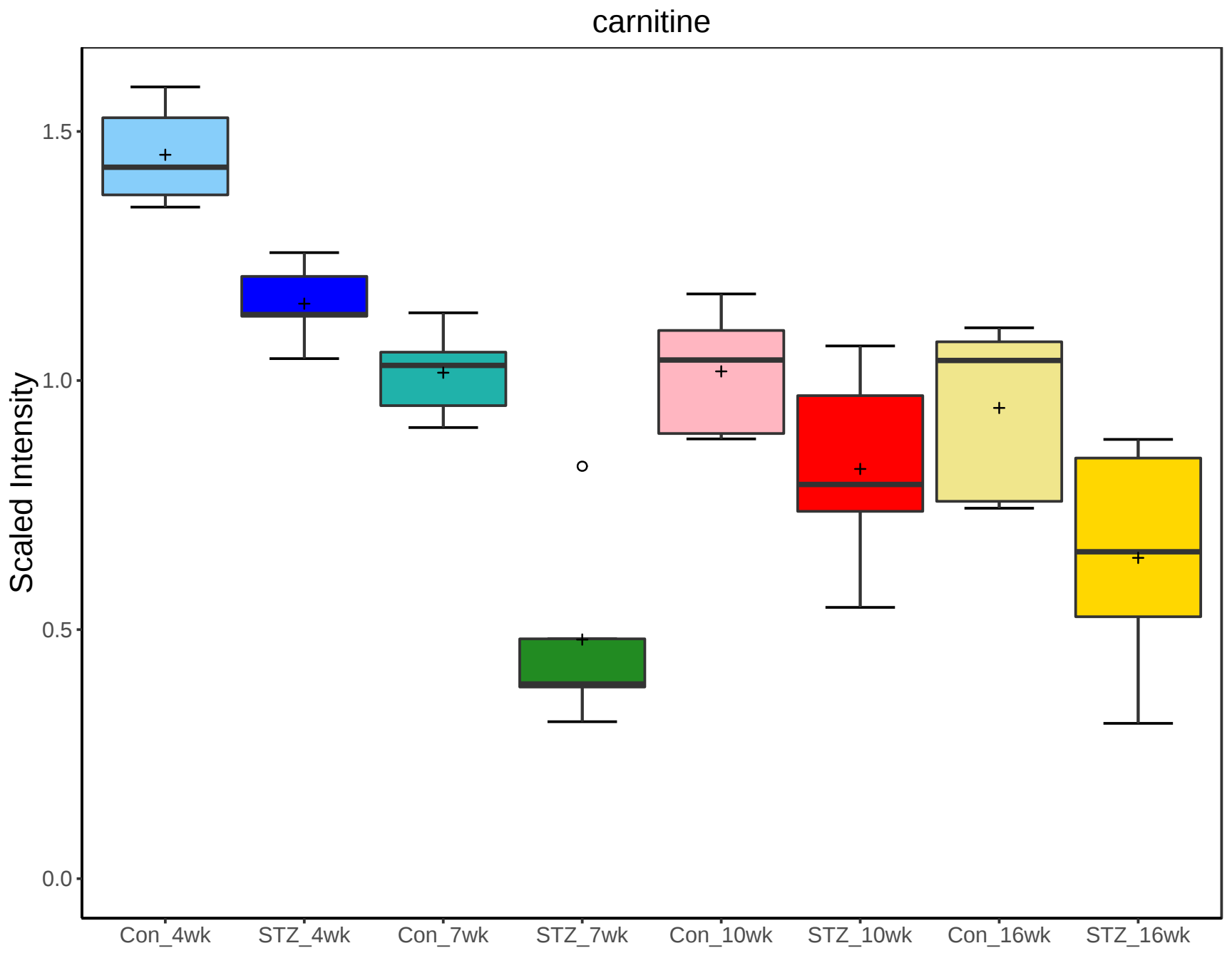

3-hydroxyoctanoylcarnitine (2)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

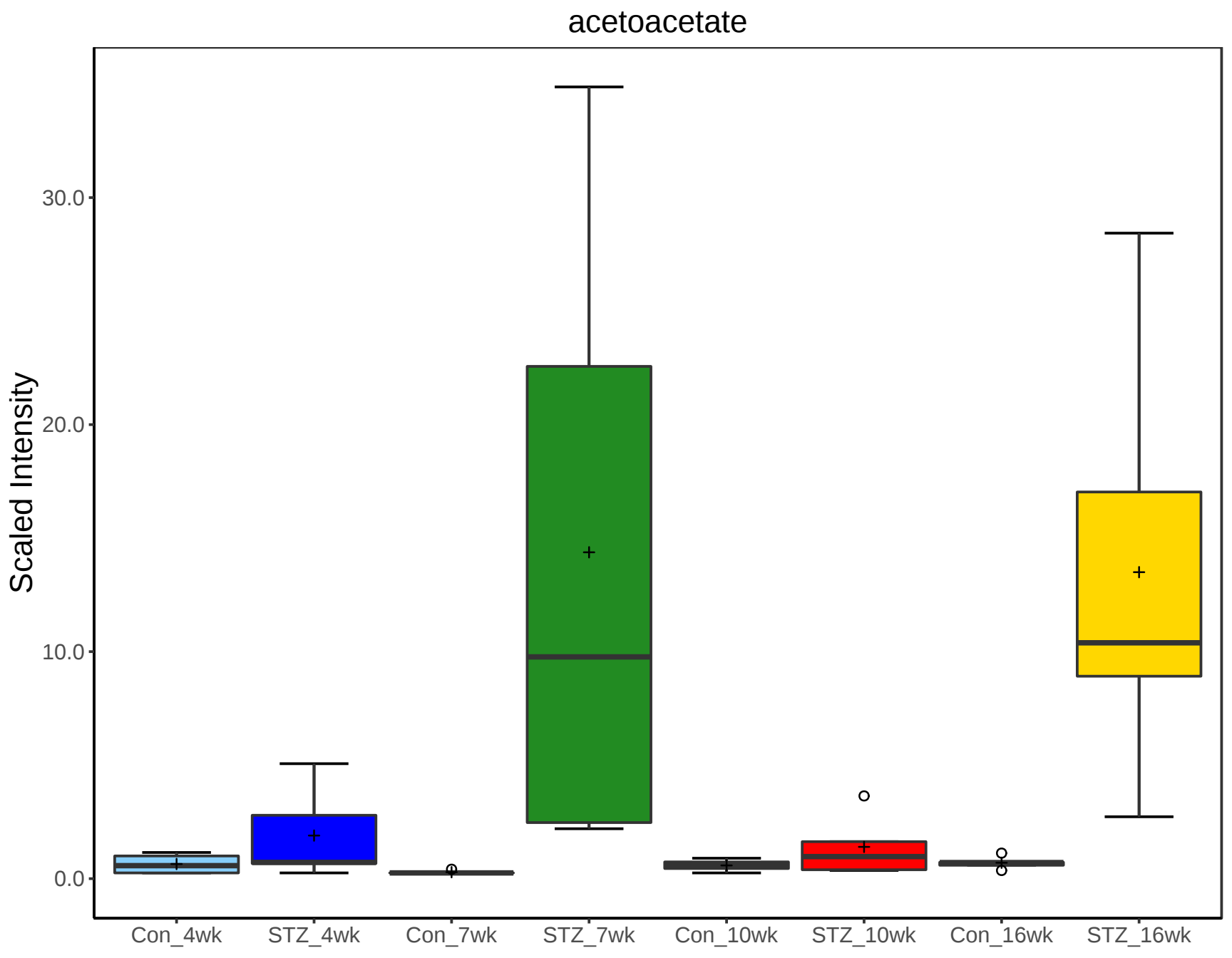

3-hydroxydecanoylcarnitine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

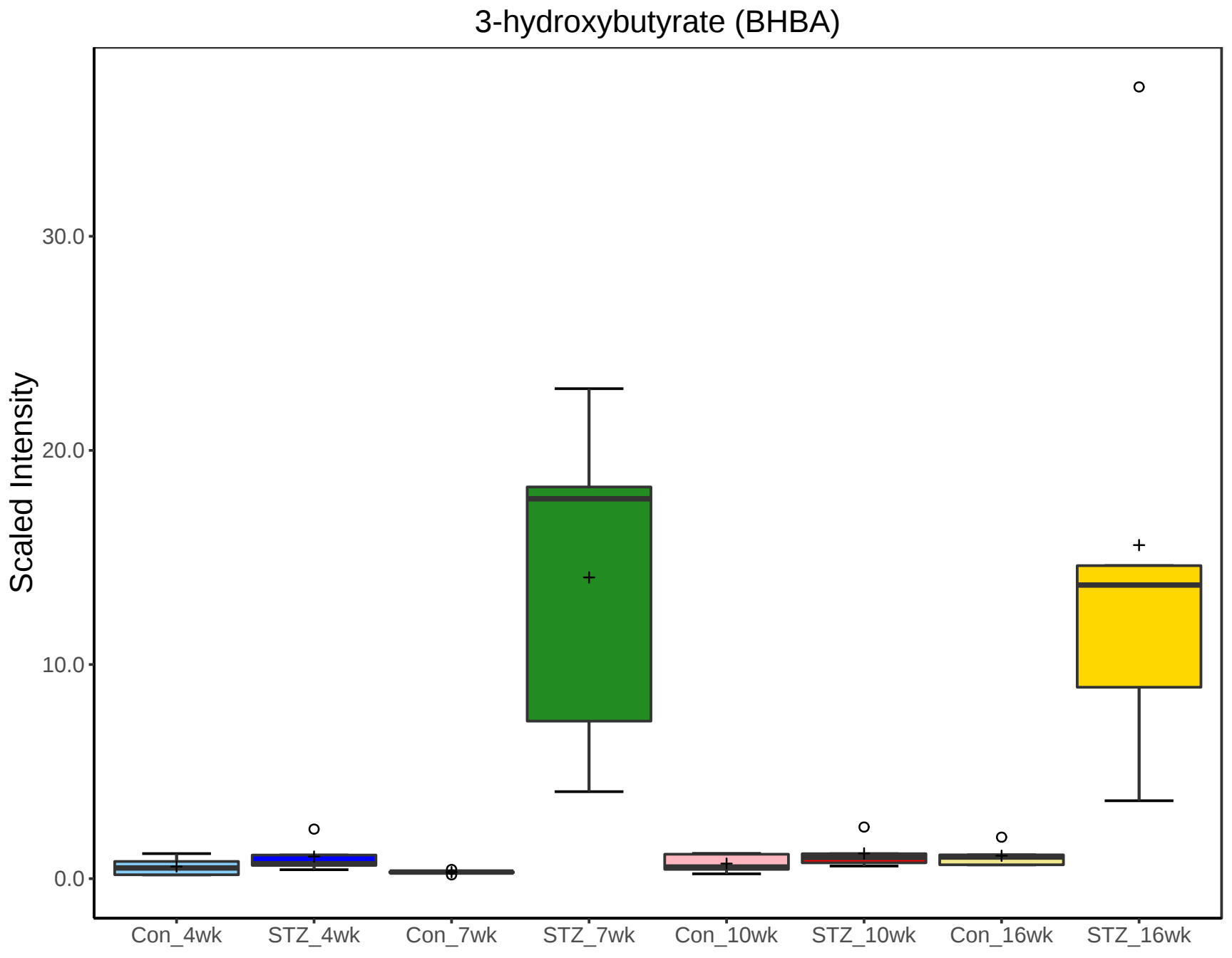

3-hydroxypalmitoylcarnitine
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

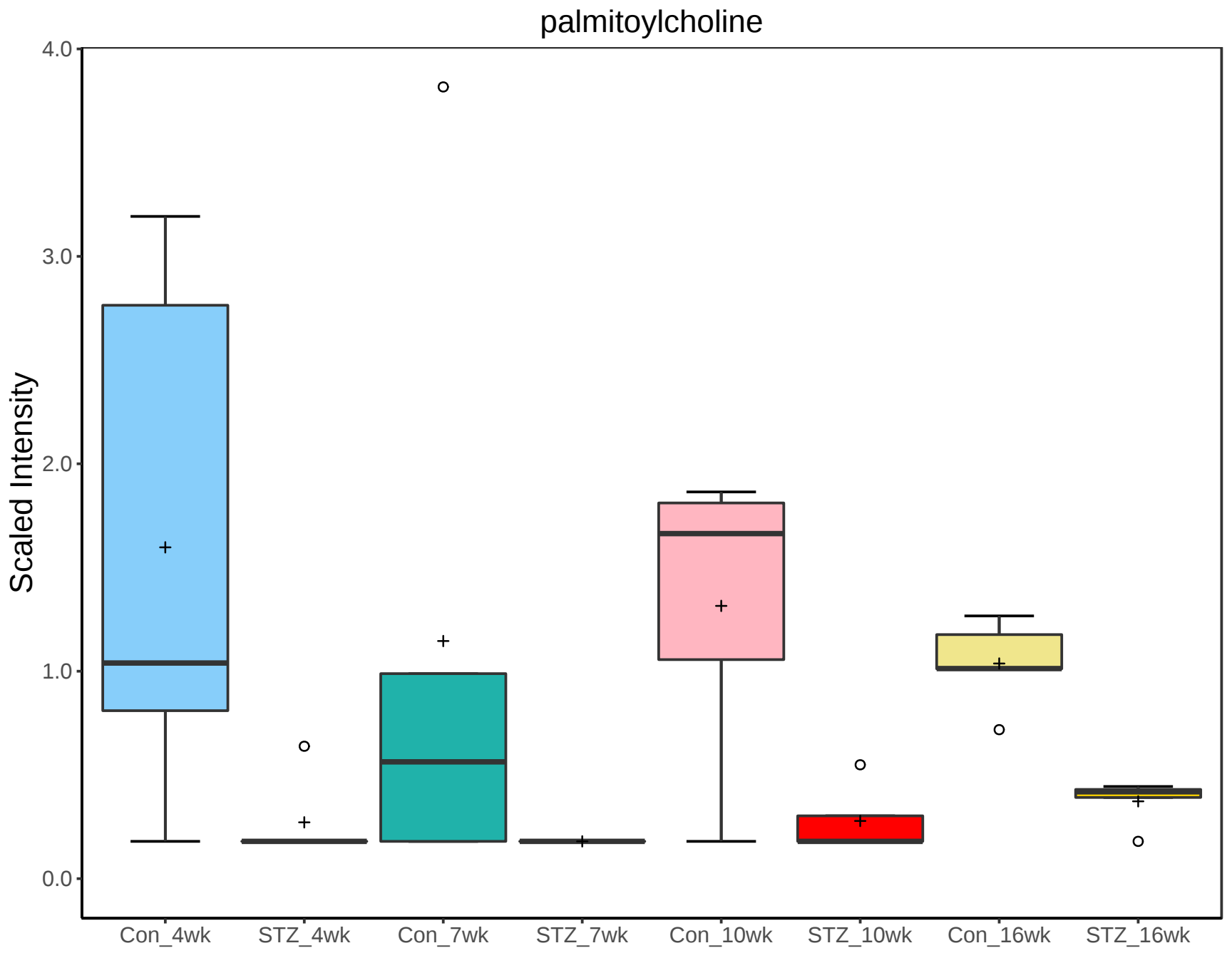

3-hydroxyoleoylcarnitine
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

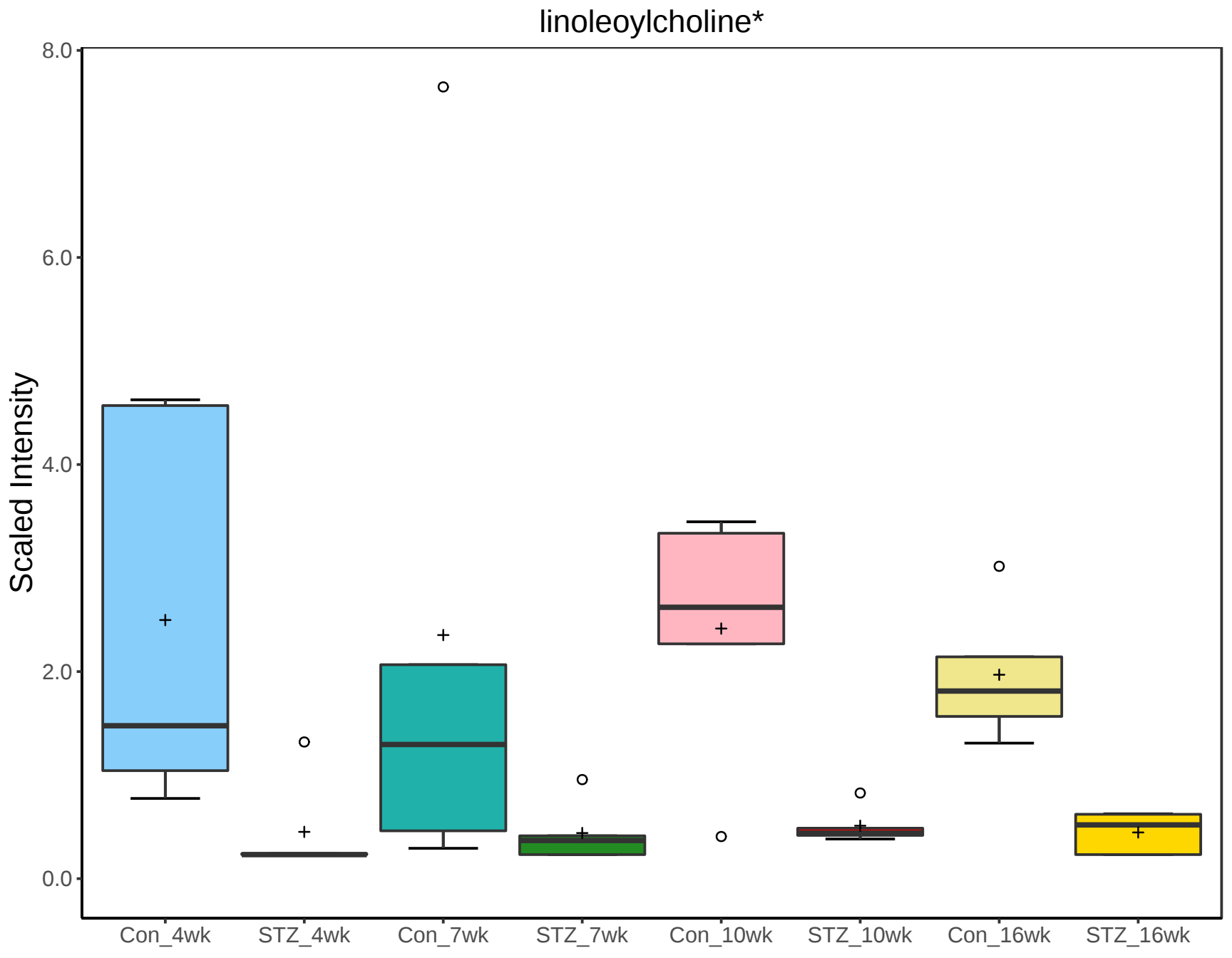

deoxycarnitine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

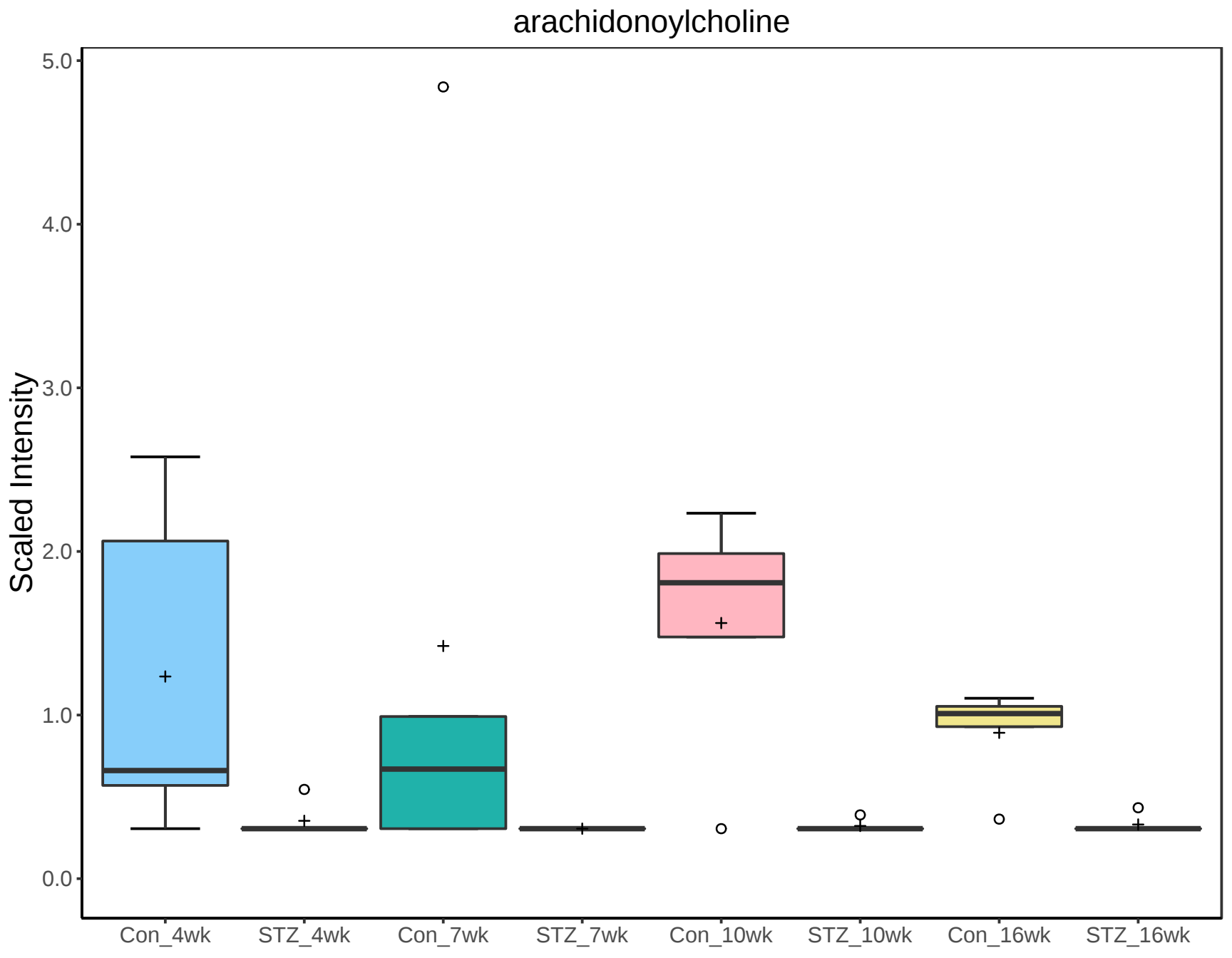

carnitine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

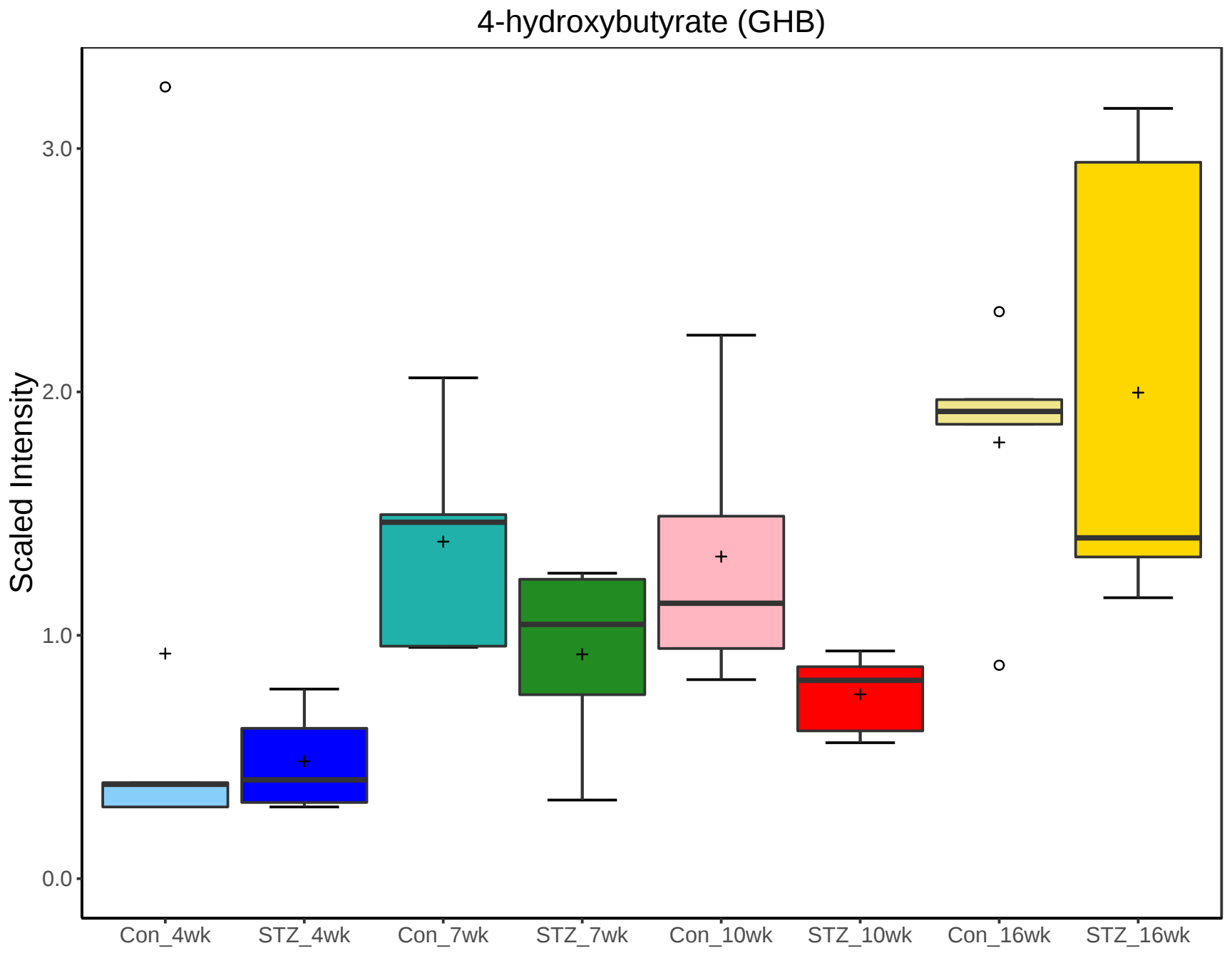

acetoacetate
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

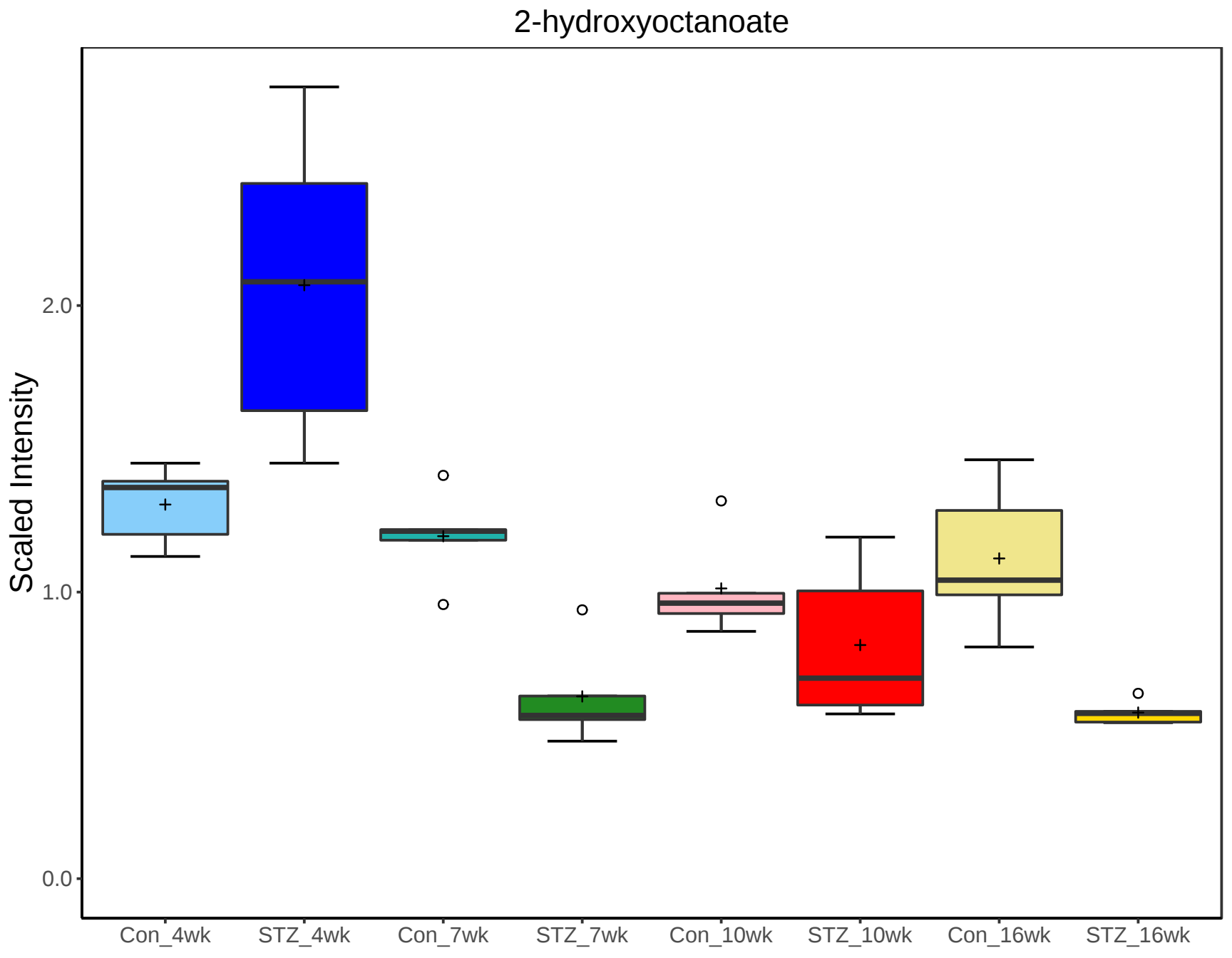

3-hydroxybutyrate (BHBA)
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

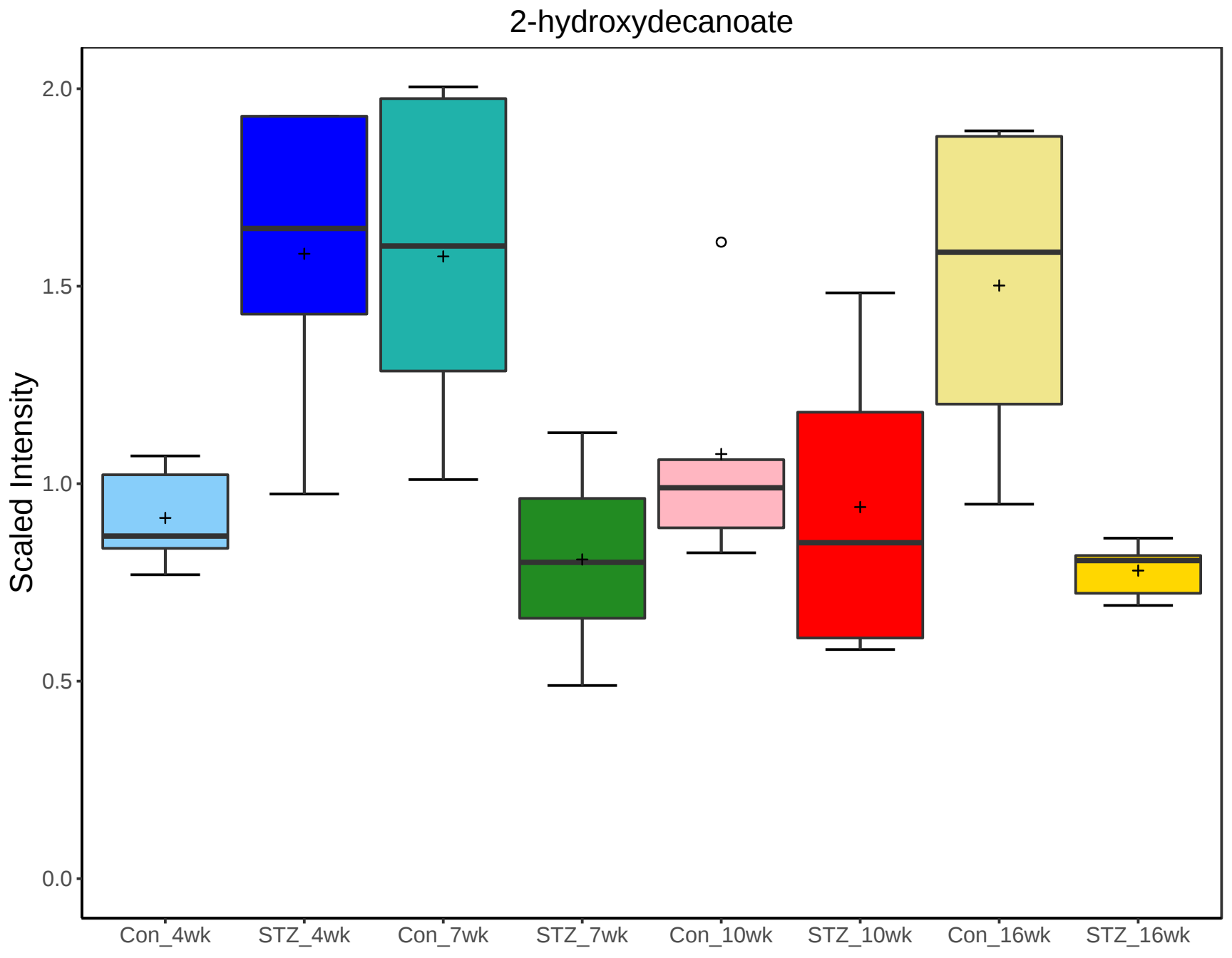

palmitoylcholine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

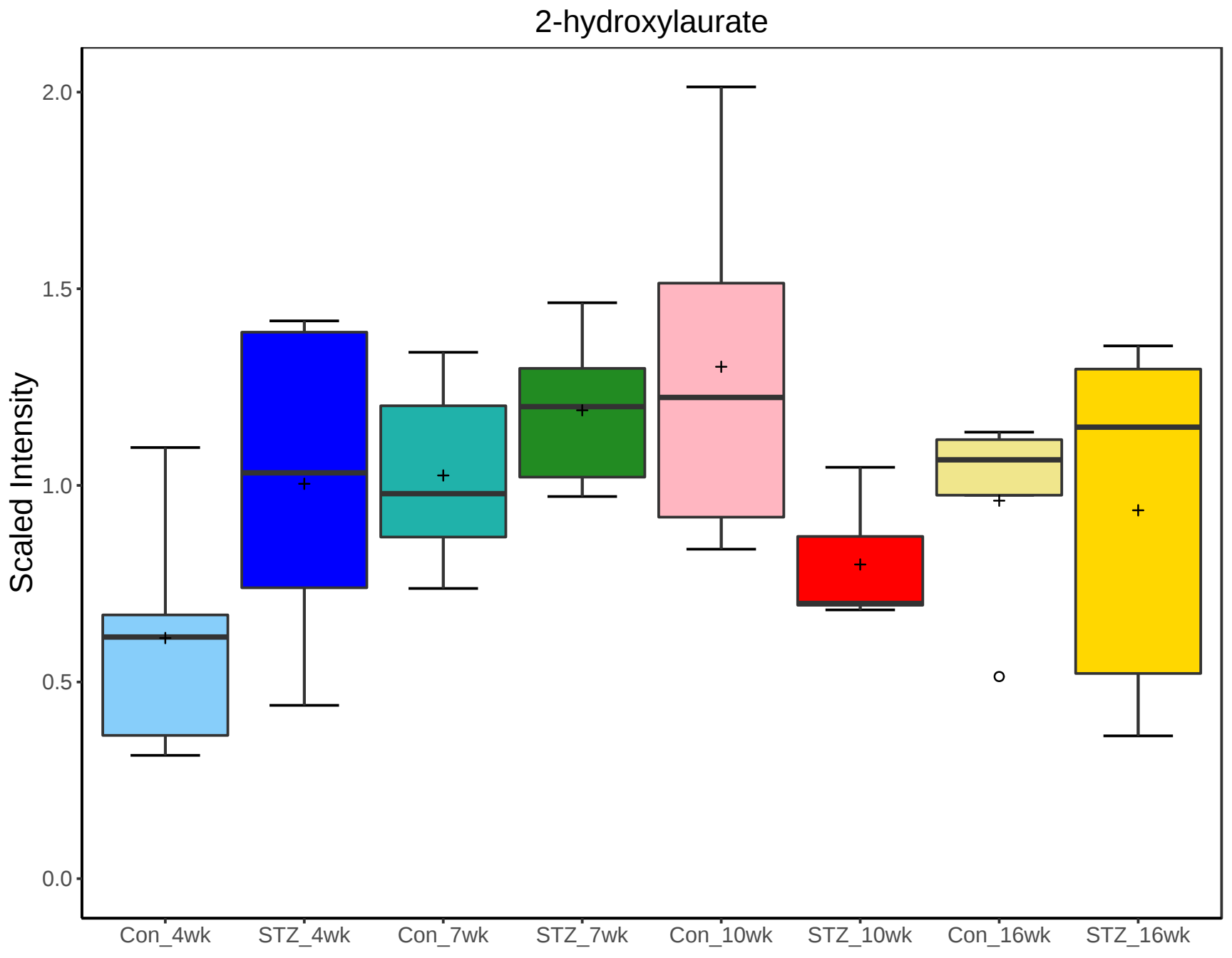

linoleoylcholine*
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

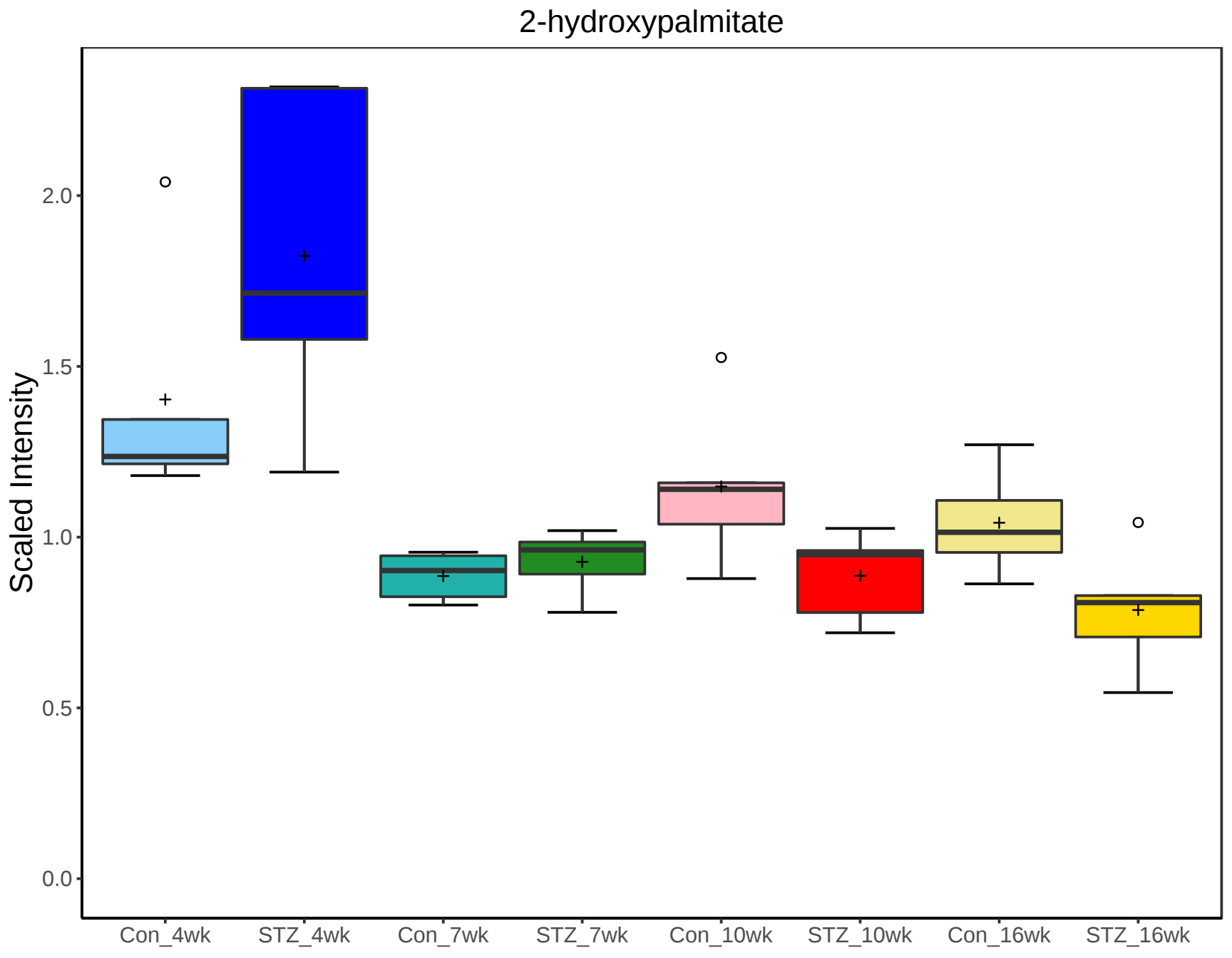

arachidonoylcholine
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

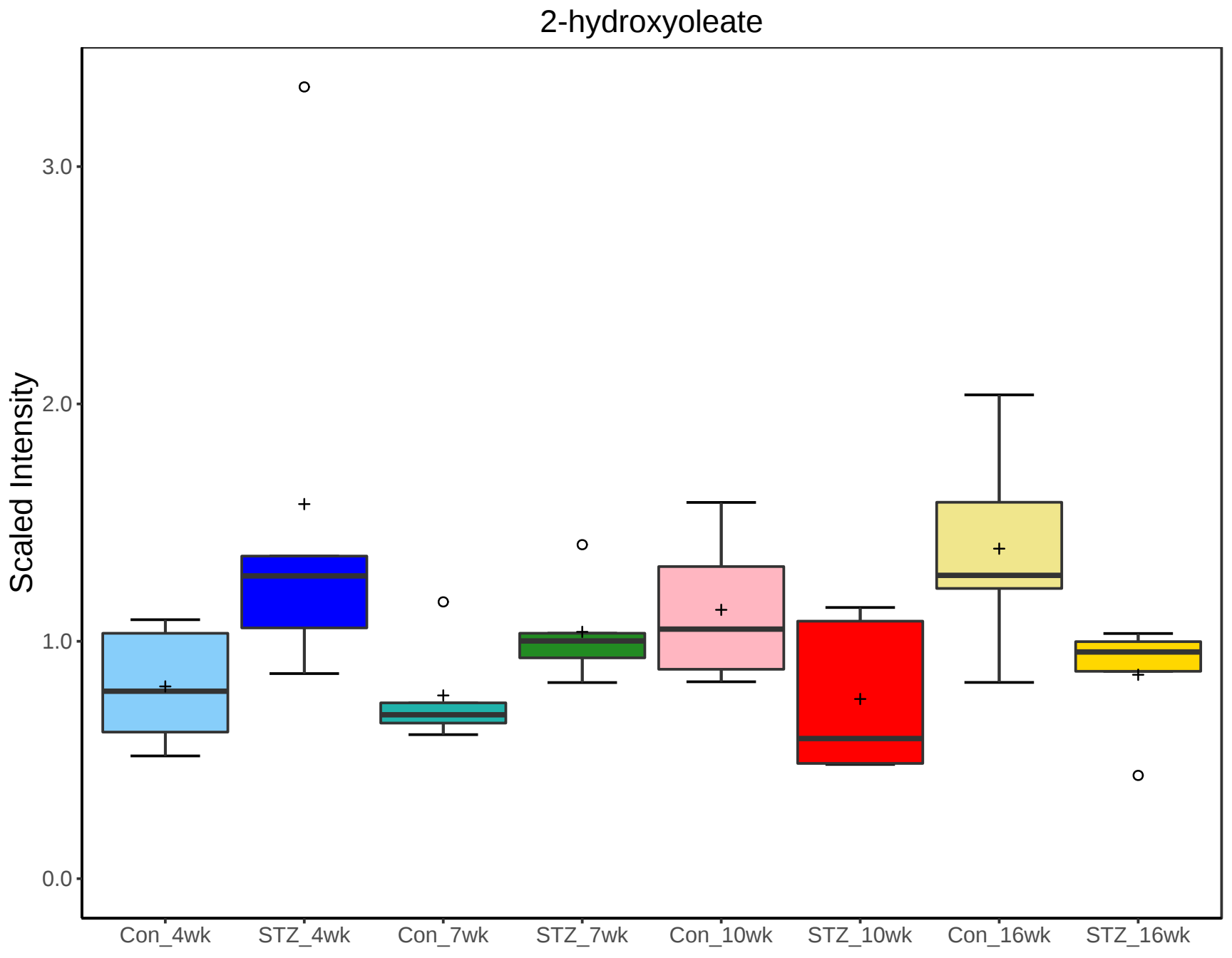

4-hydroxybutyrate (GHB)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

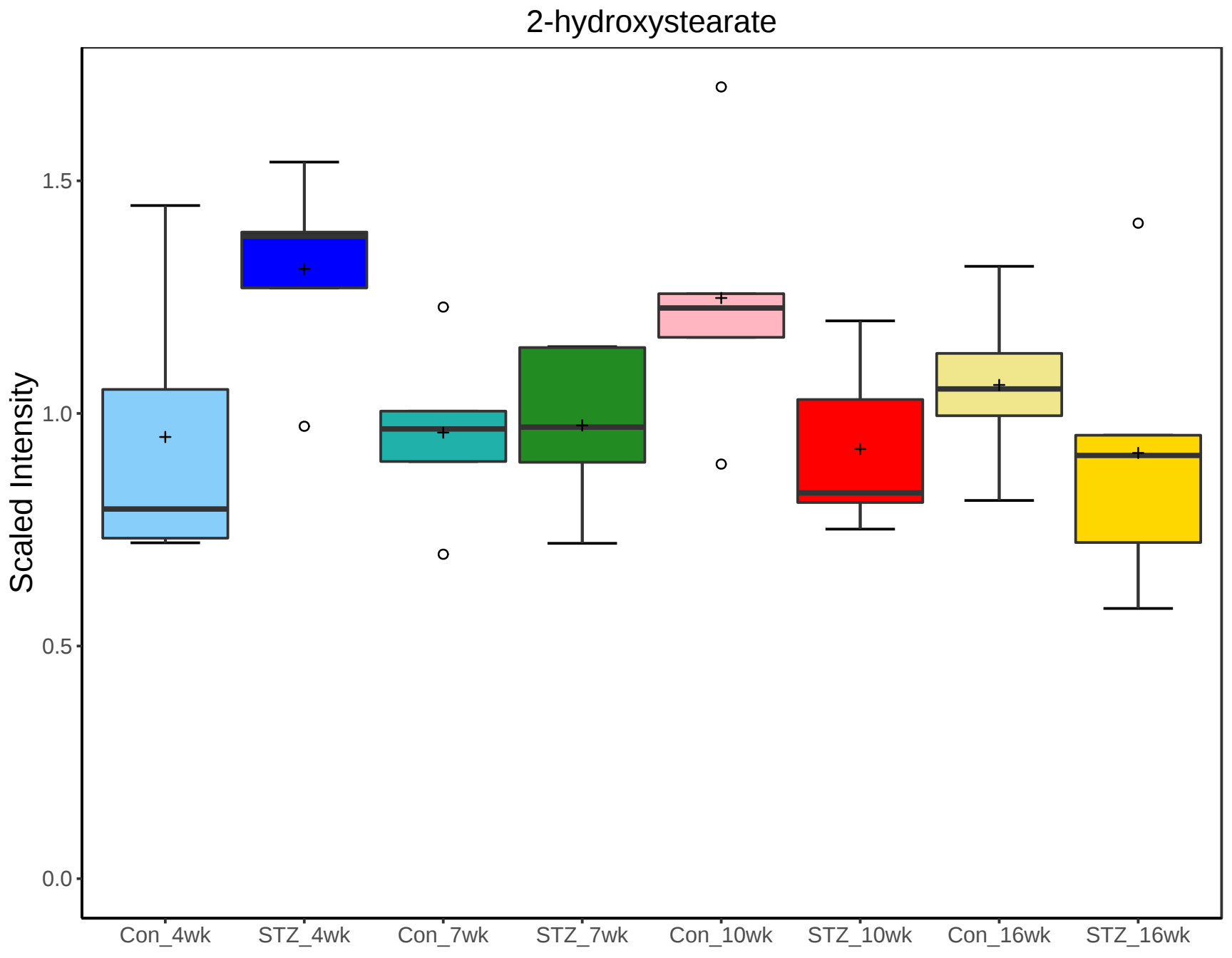

2-hydroxyoctanoate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

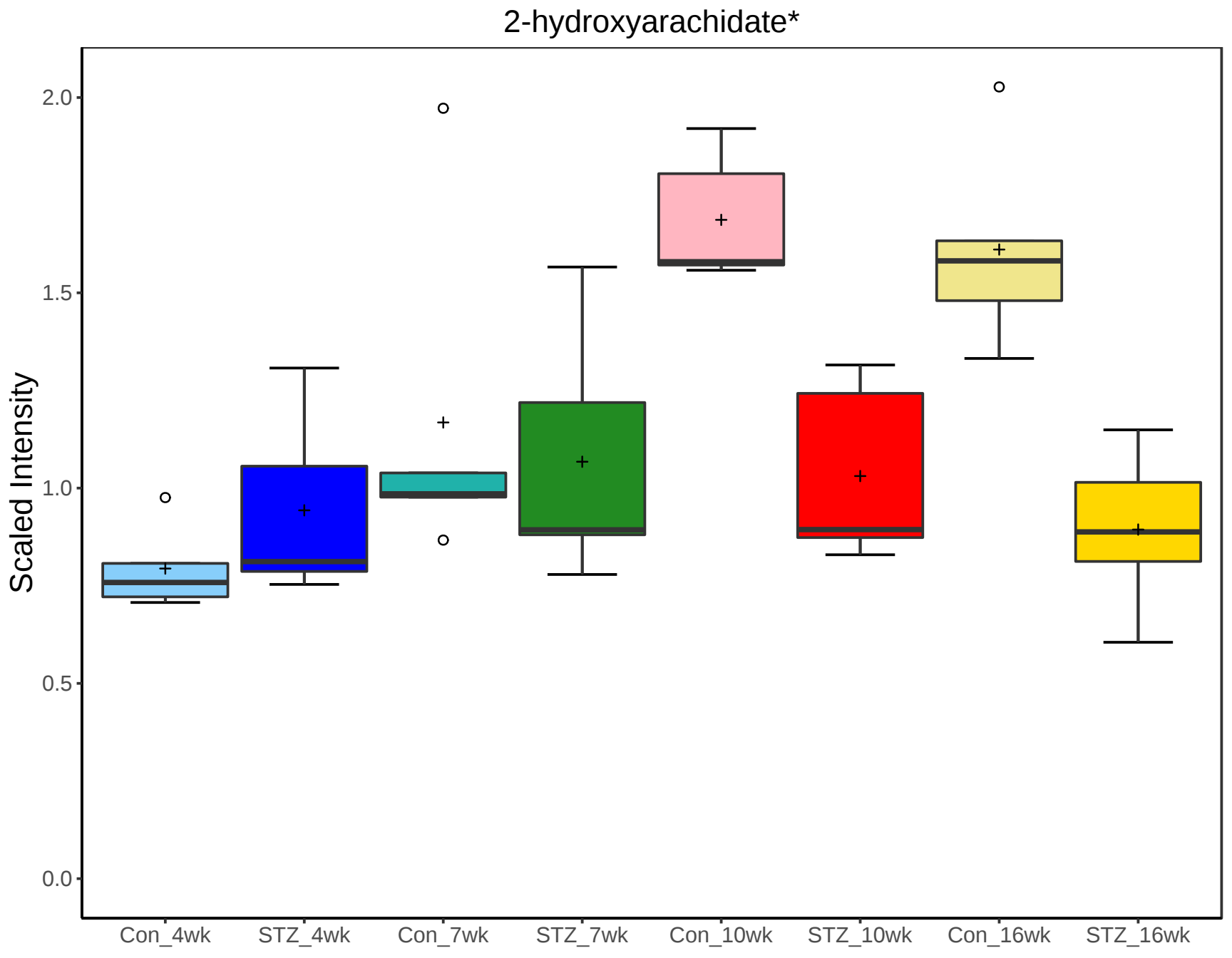

2-hydroxydecanoate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

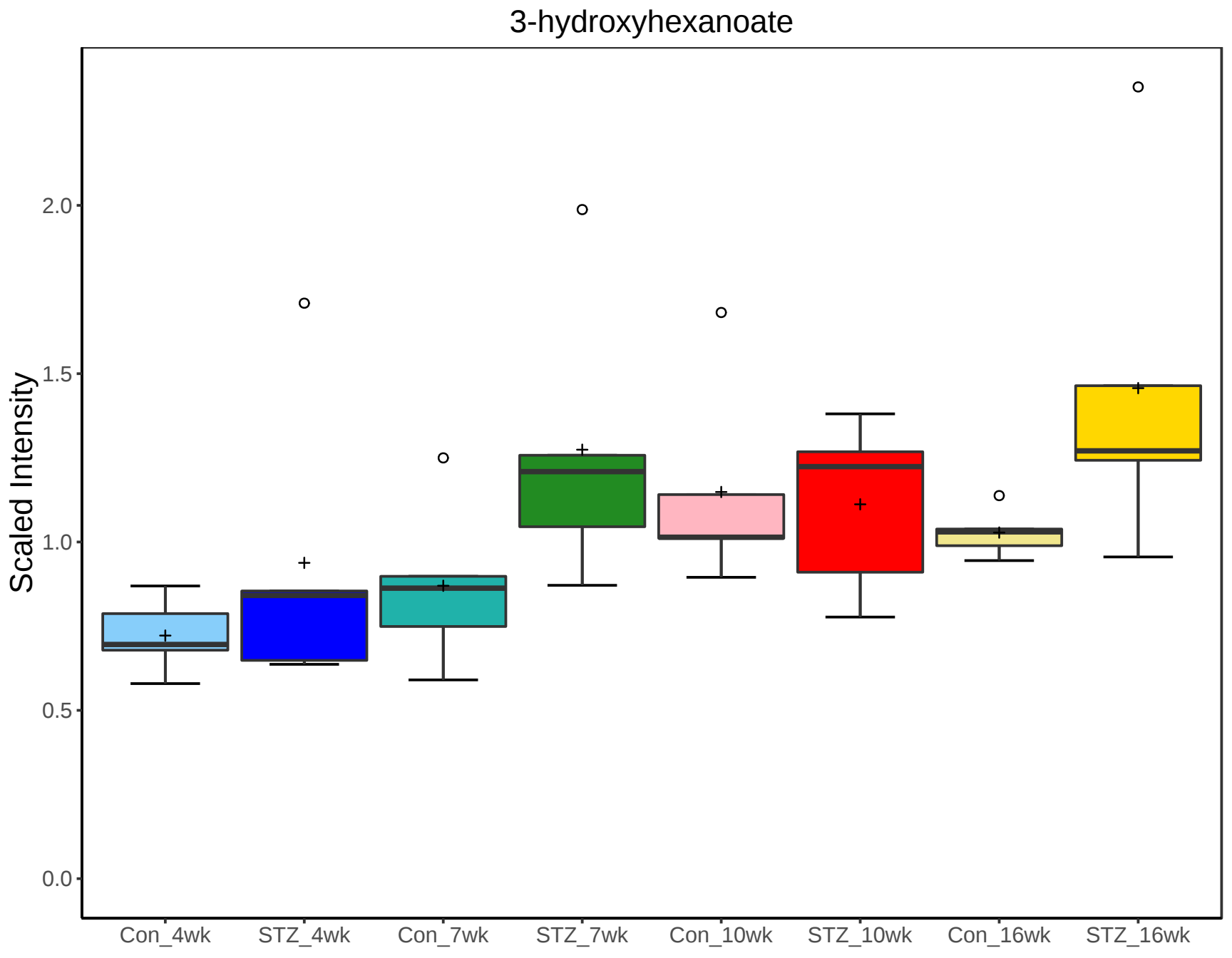

2-hydroxylaurate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

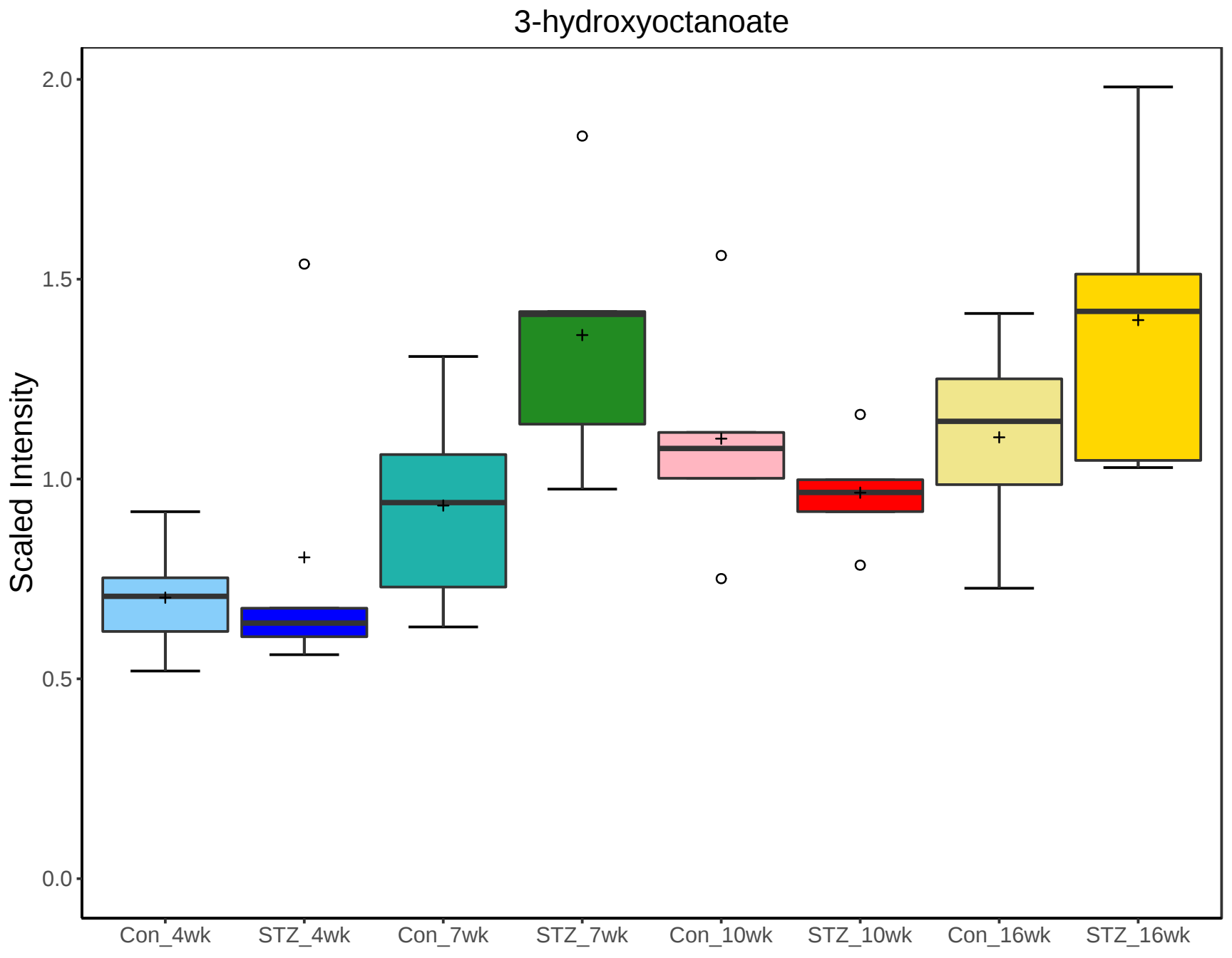

2-hydroxypalmitate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

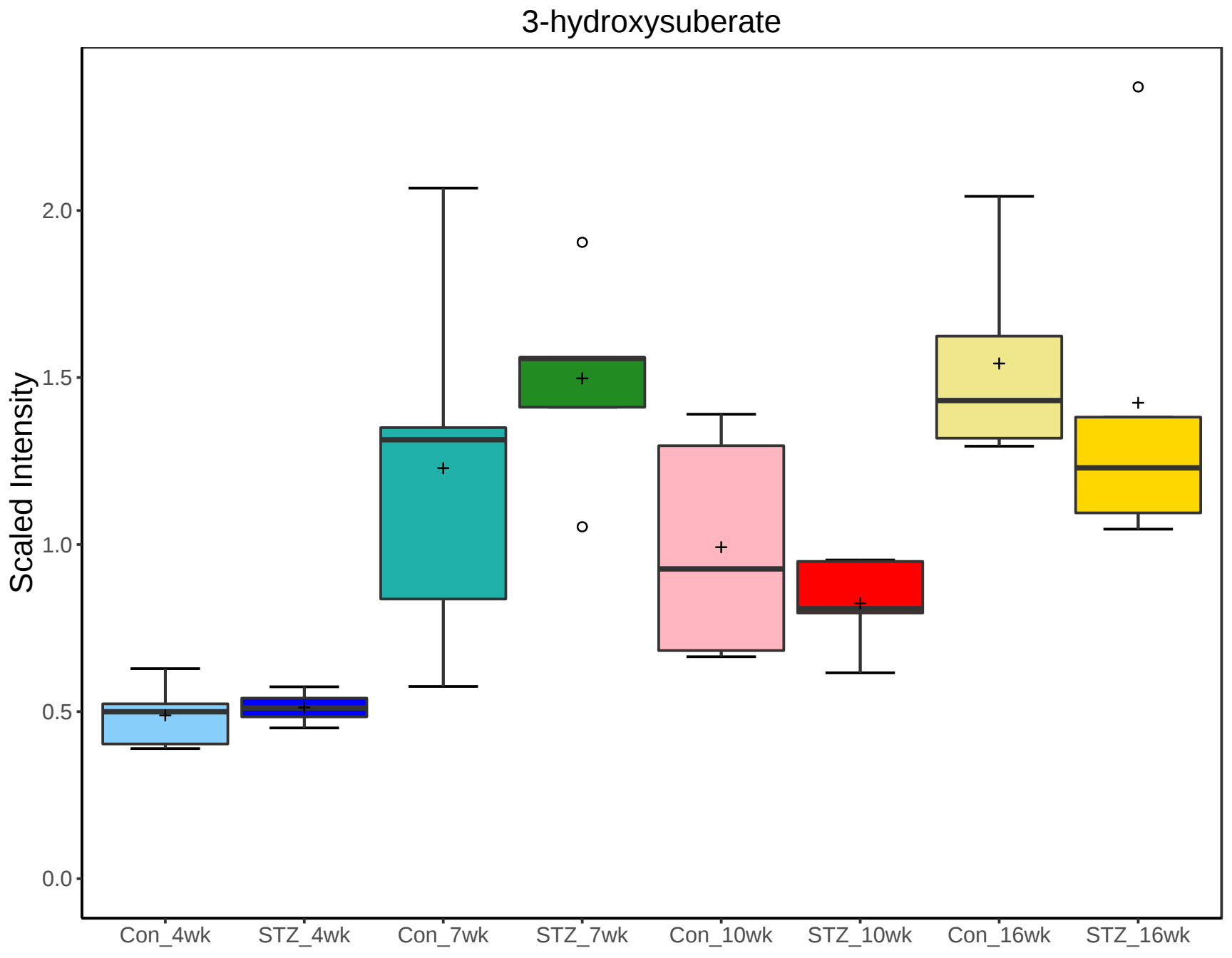

2-hydroxyoleate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

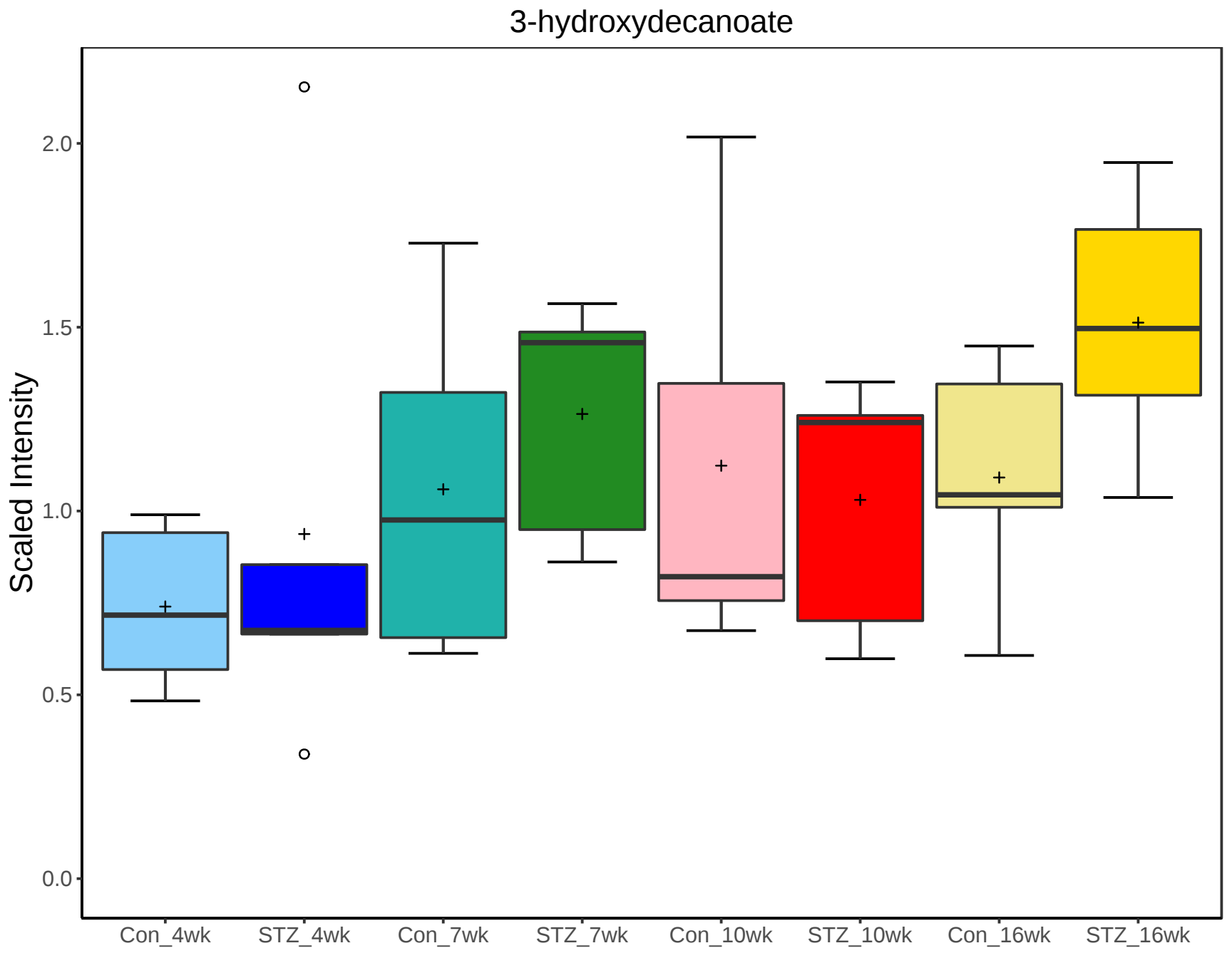

2-hydroxystearate
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

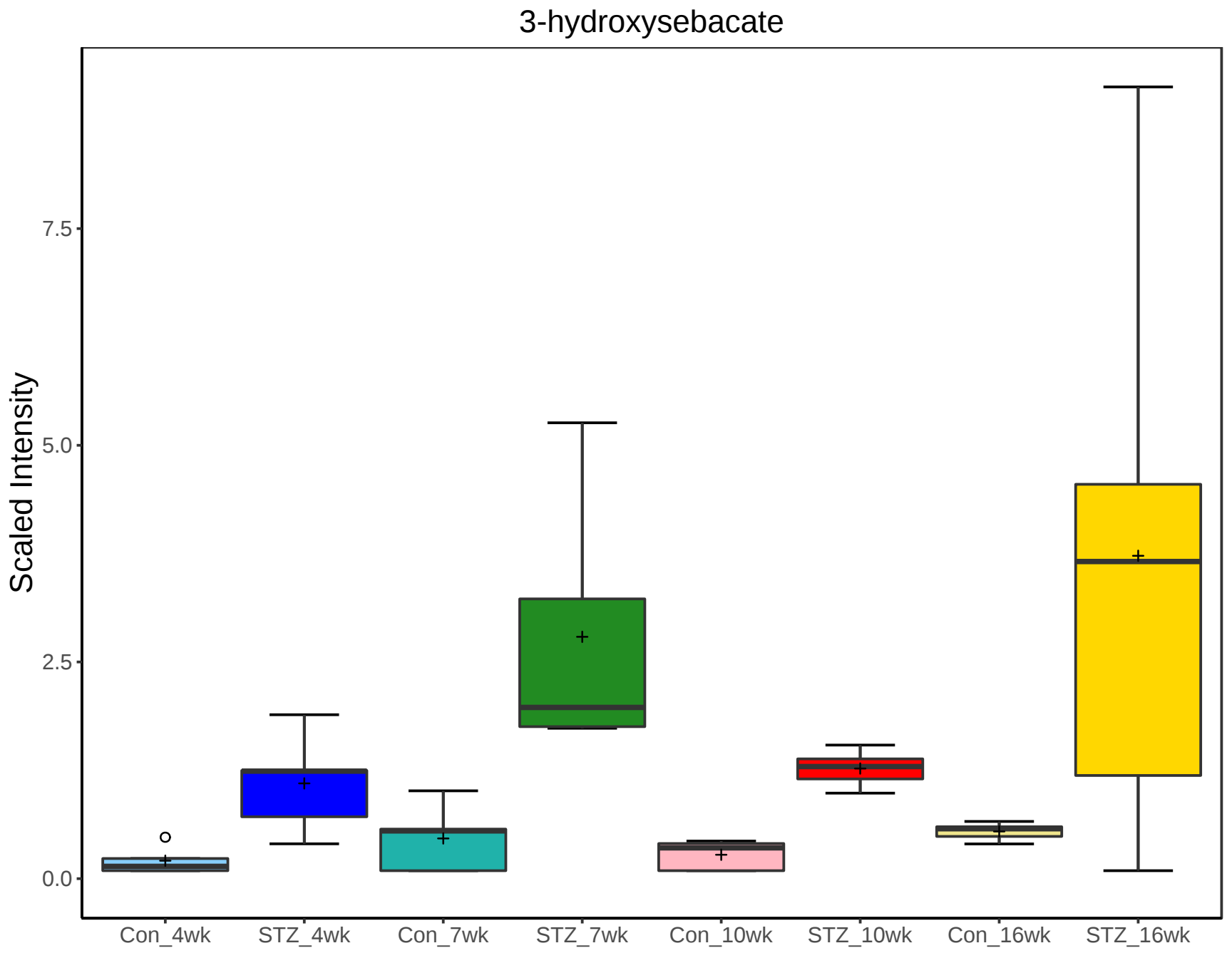

2-hydroxyarachidate*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

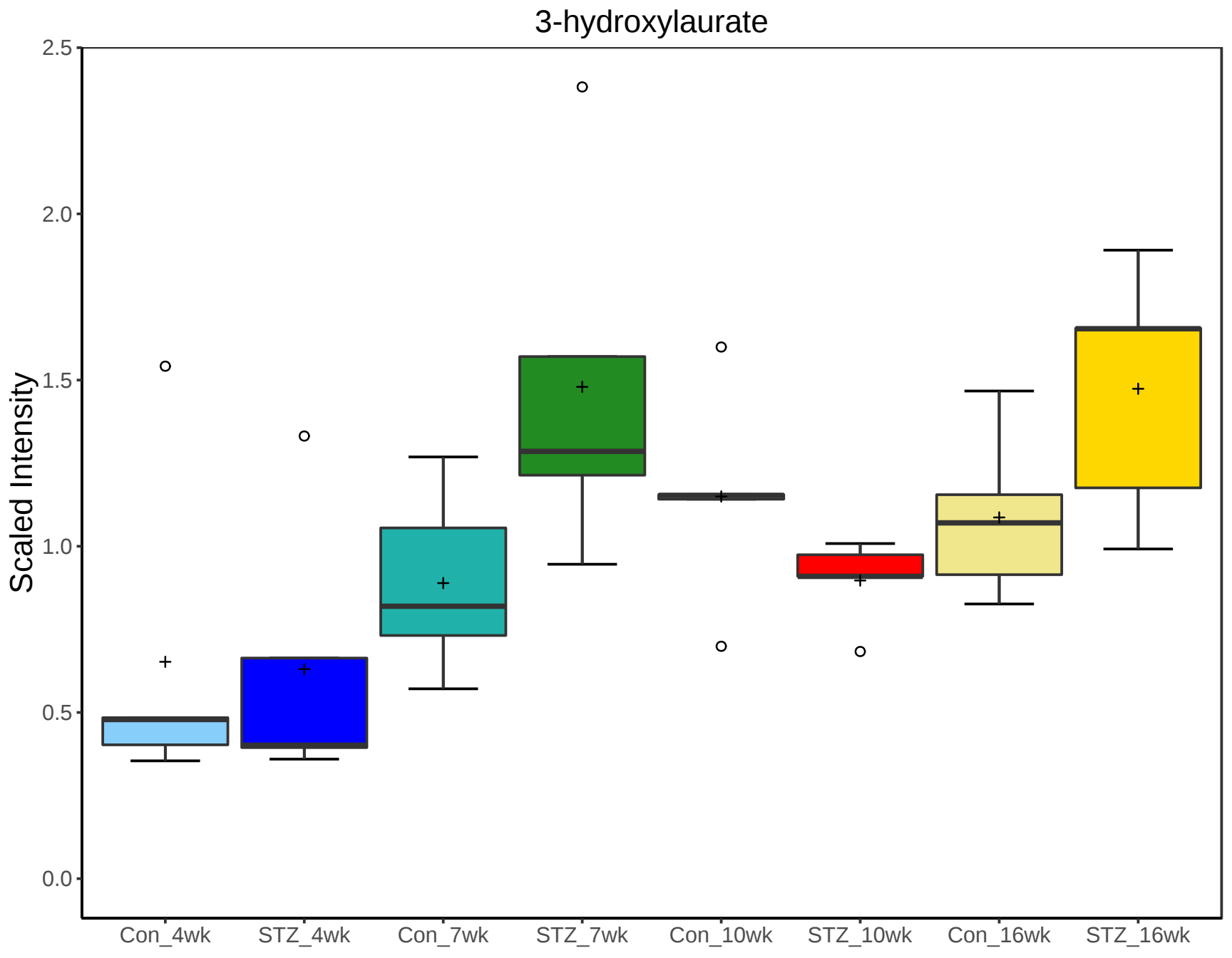

3-hydroxyhexanoate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

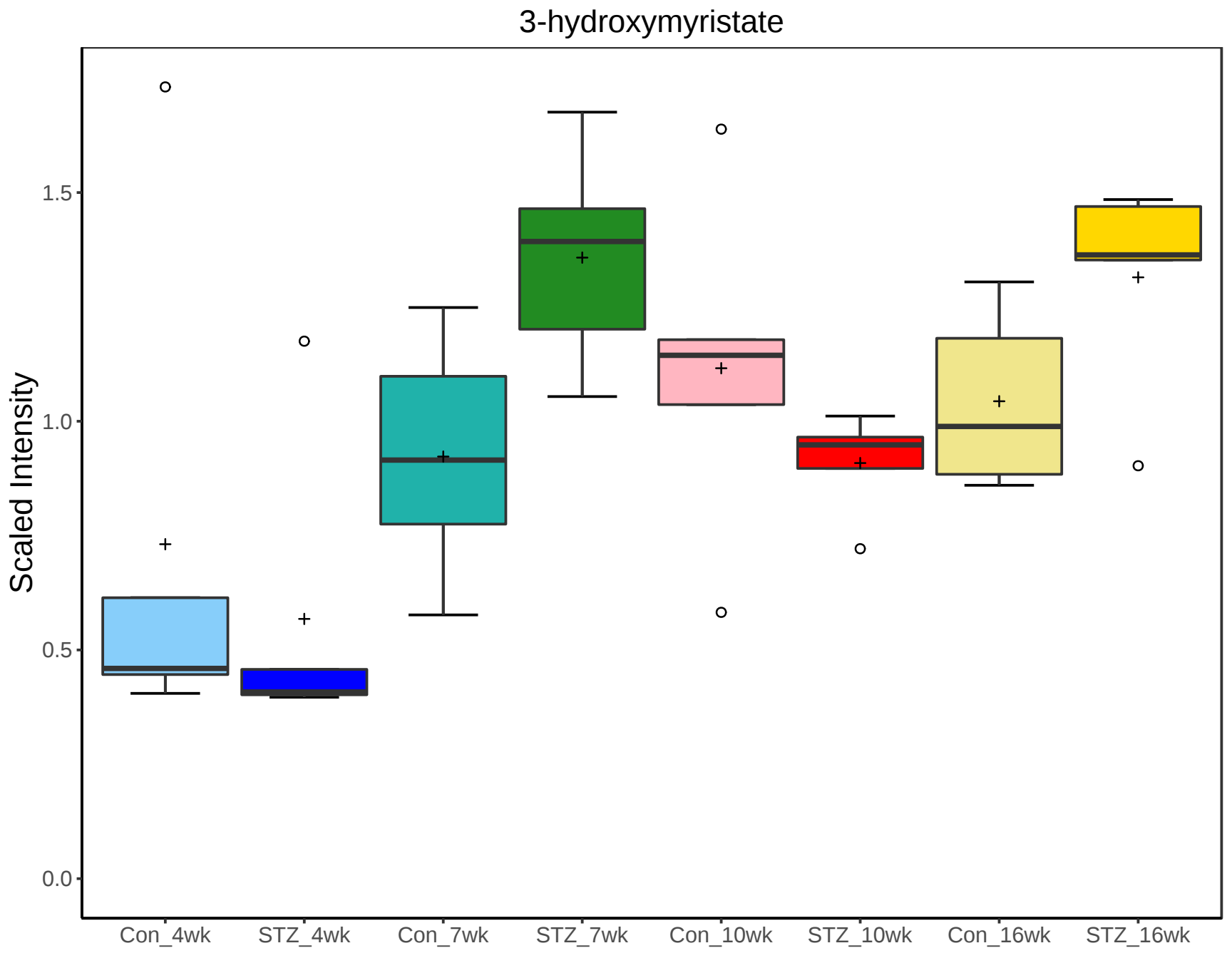

3-hydroxyoctanoate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

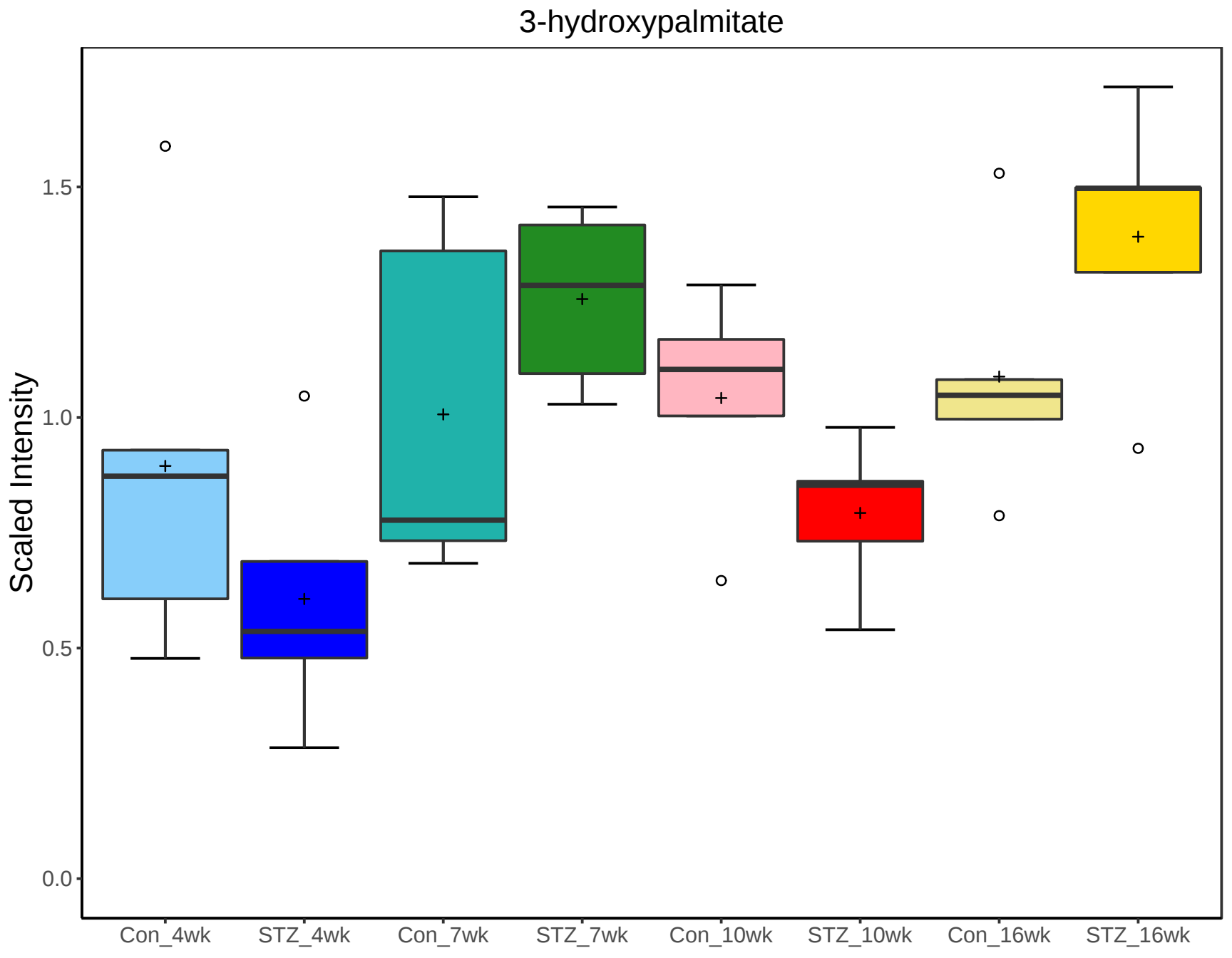

3-hydroxysuberate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

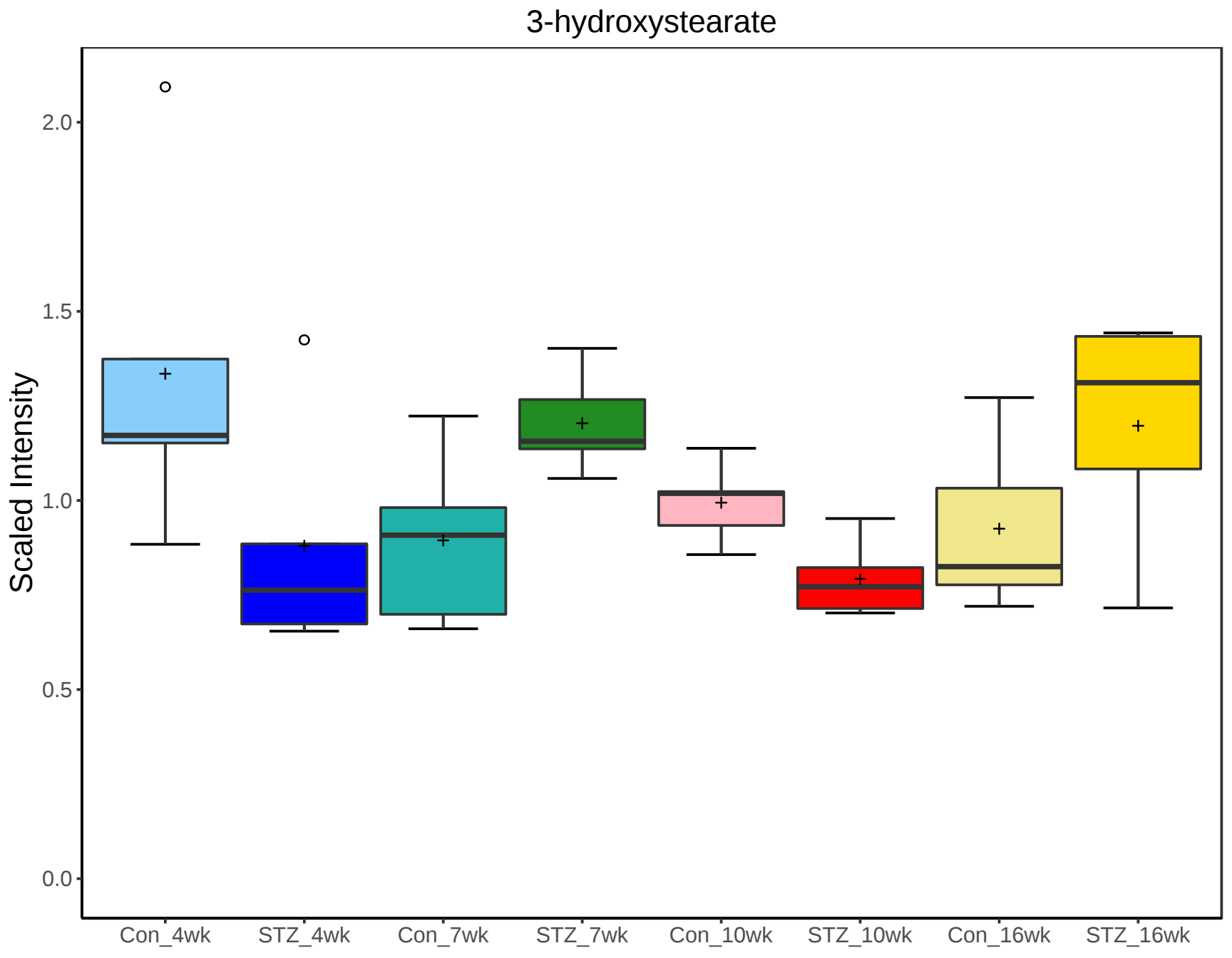

3-hydroxydecanoate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

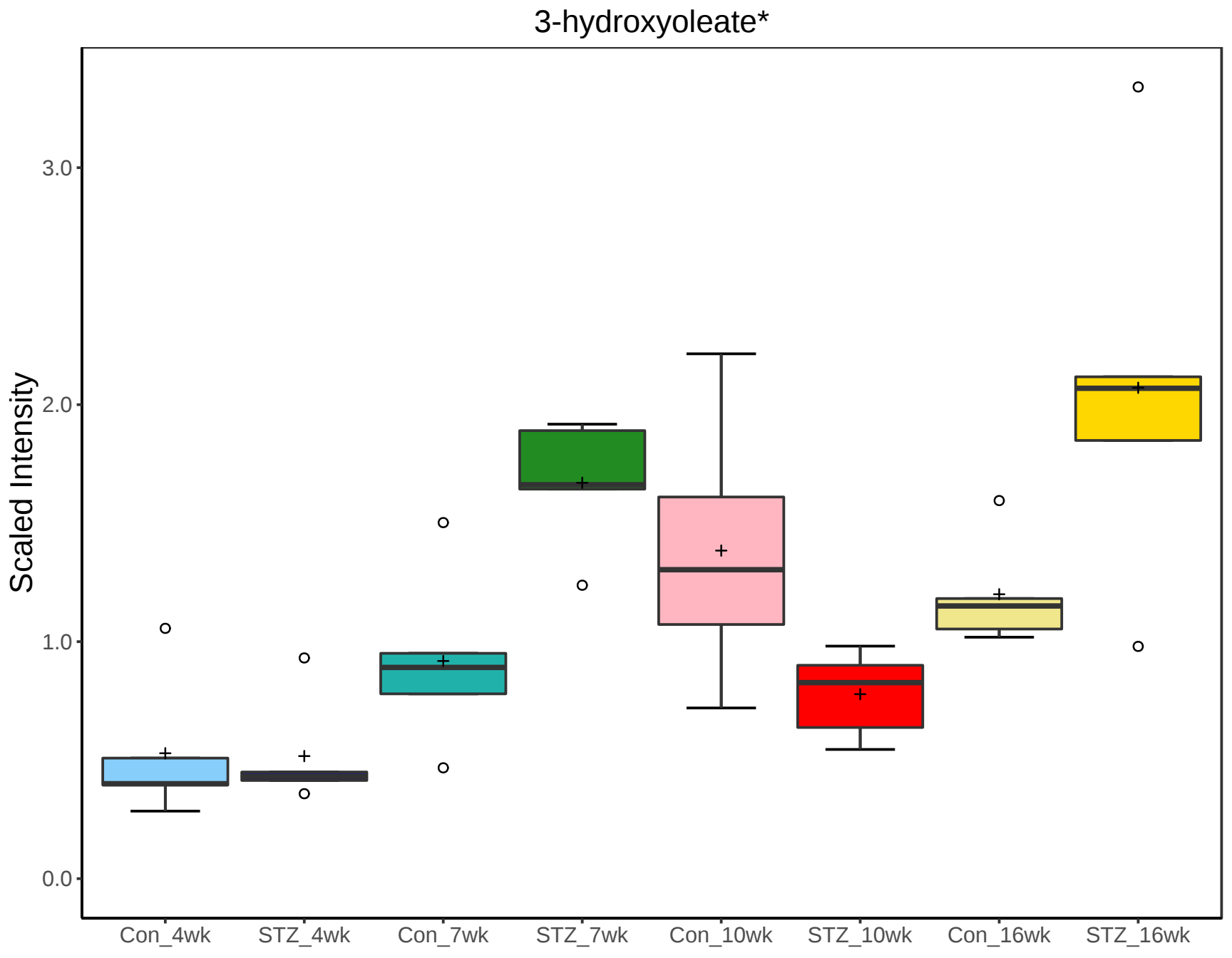

3-hydroxysebacate
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

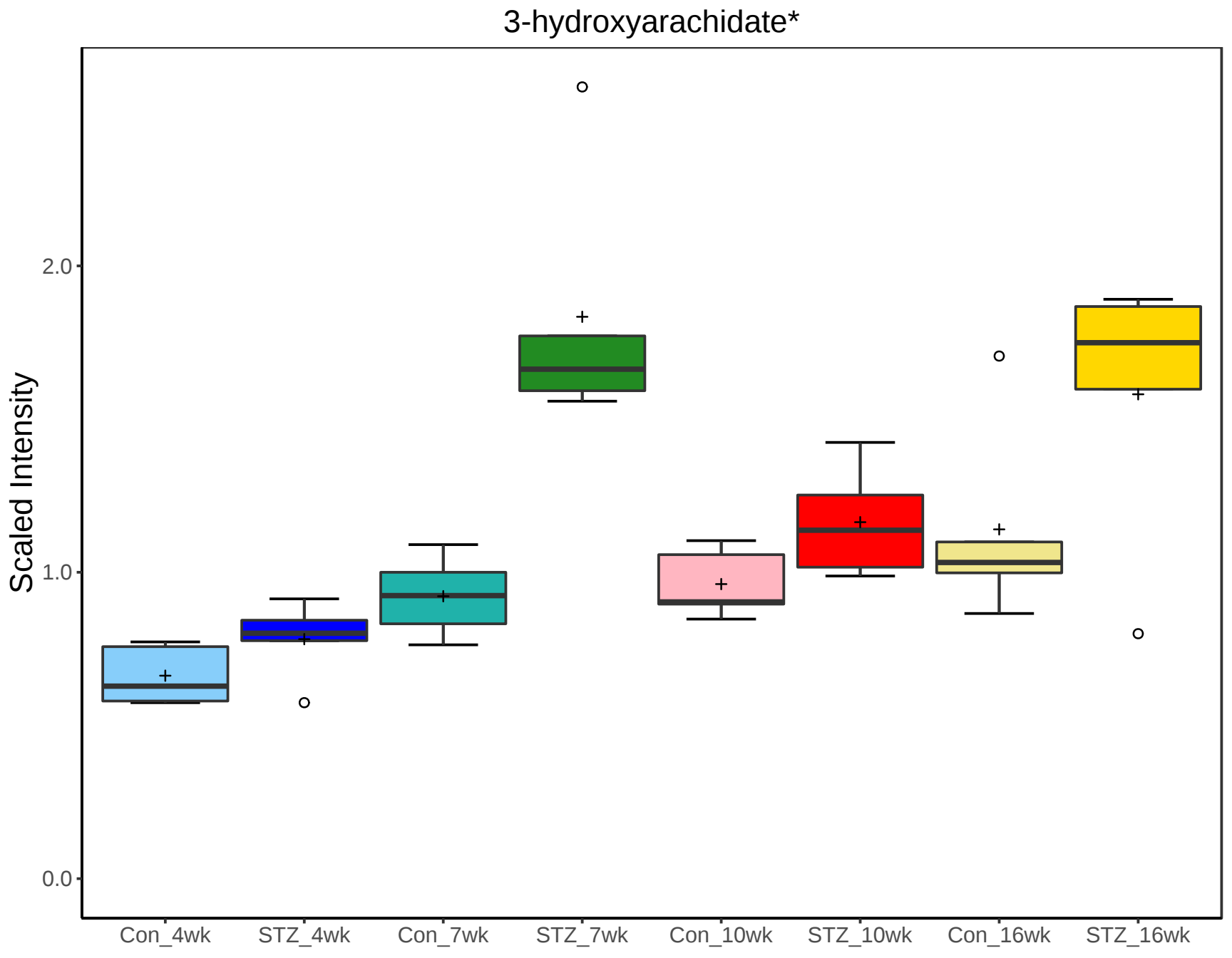

3-hydroxylaurate
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

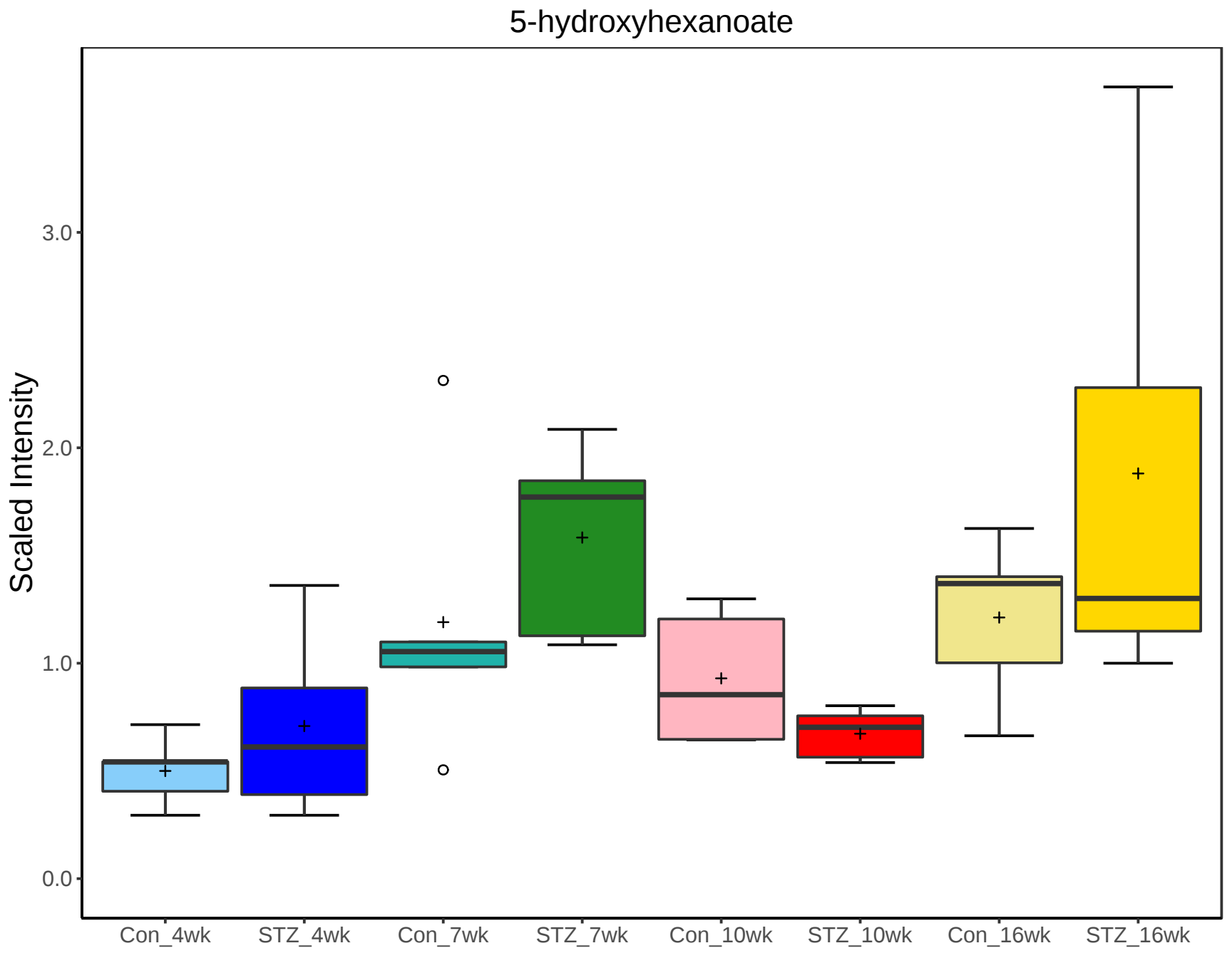

3-hydroxymyristate
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

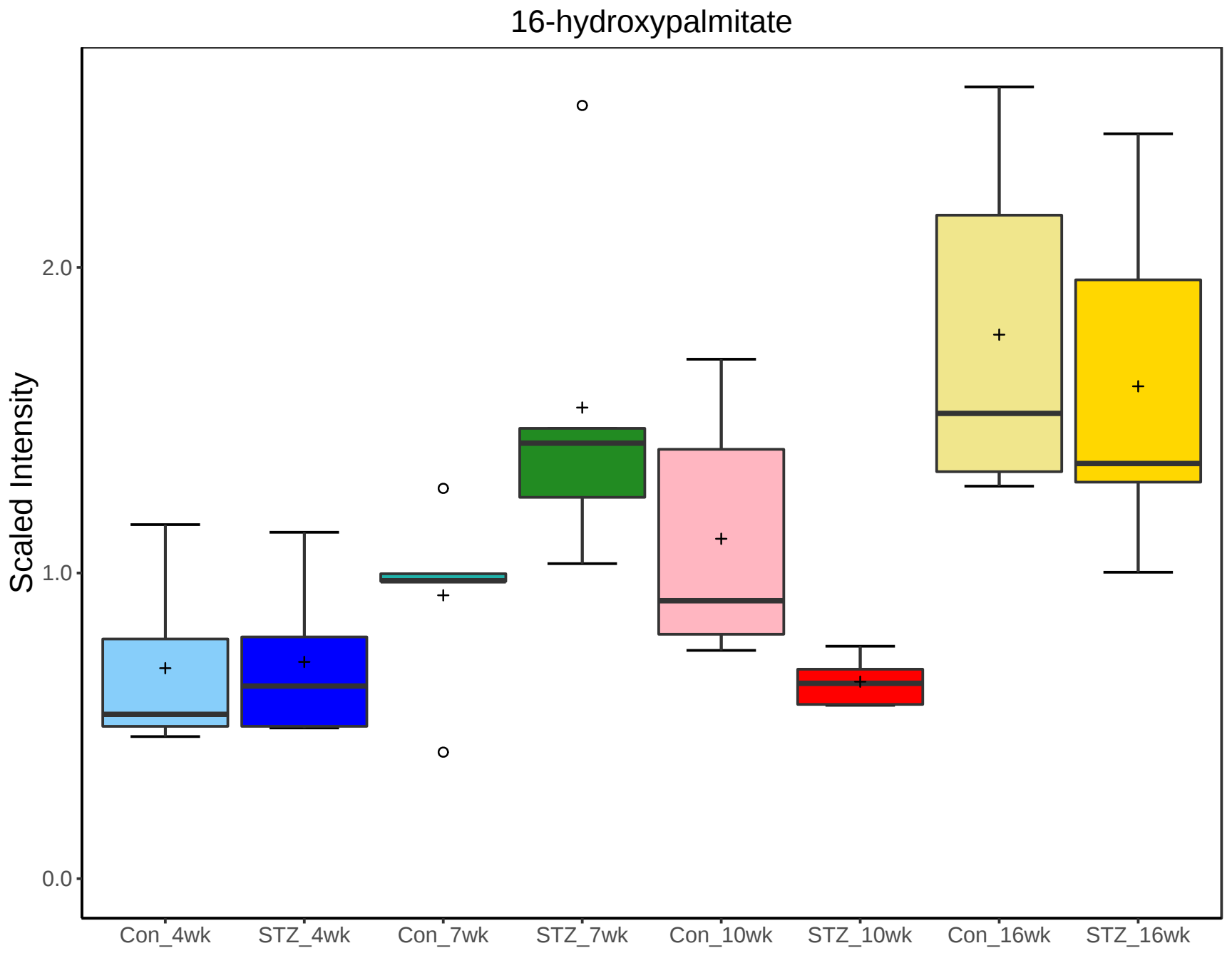

3-hydroxypalmitate
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

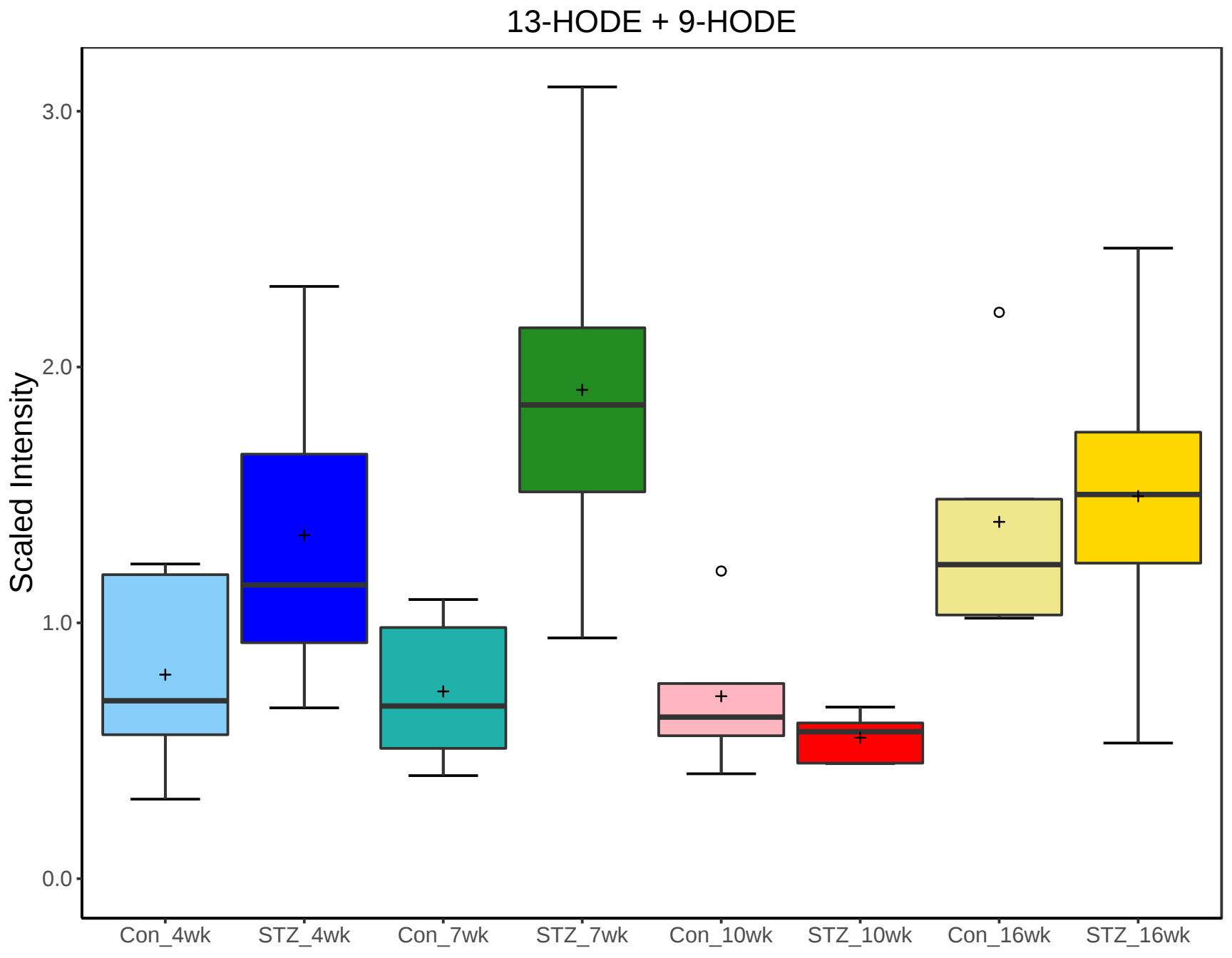

3-hydroxystearate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

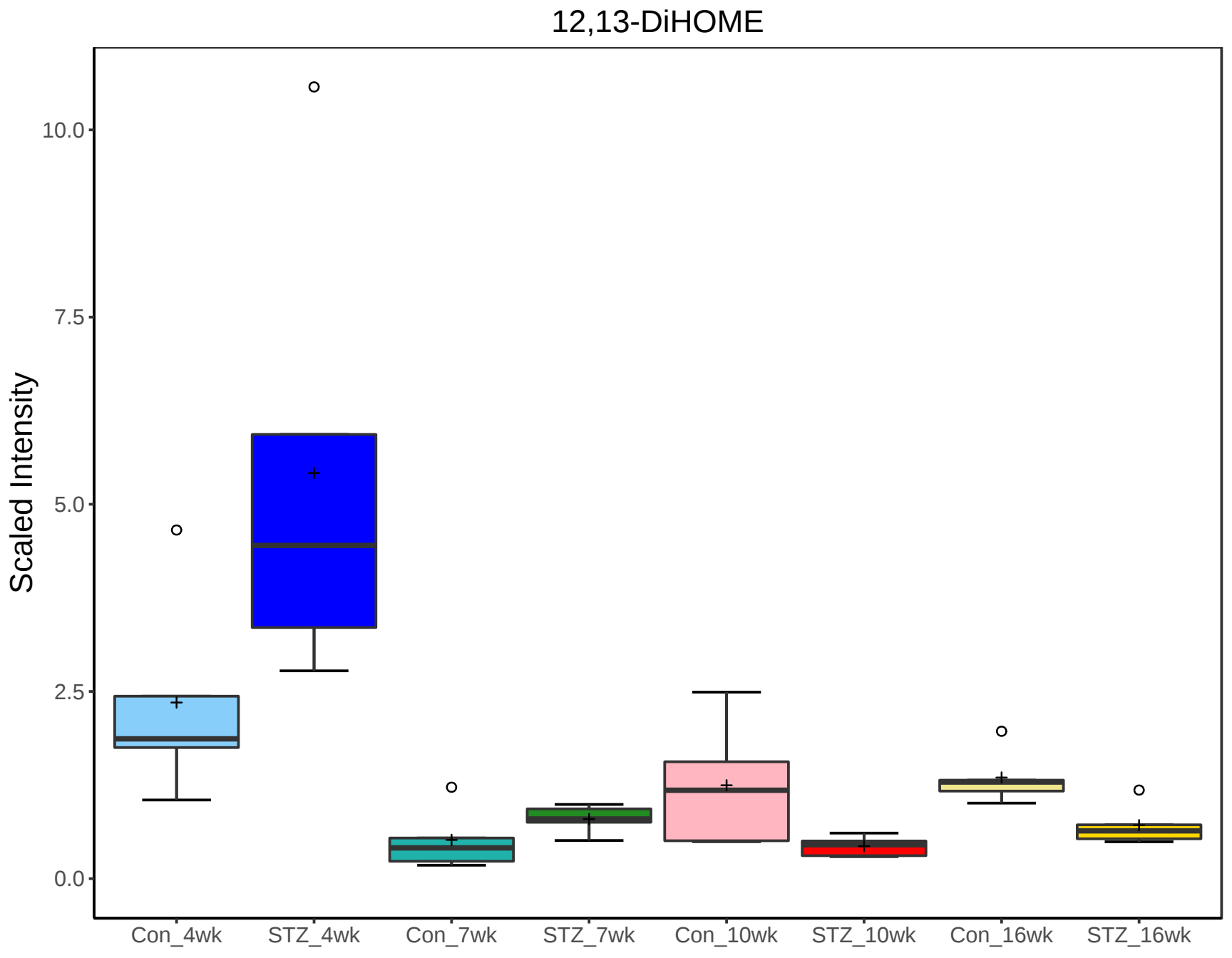

3-hydroxyoleate*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

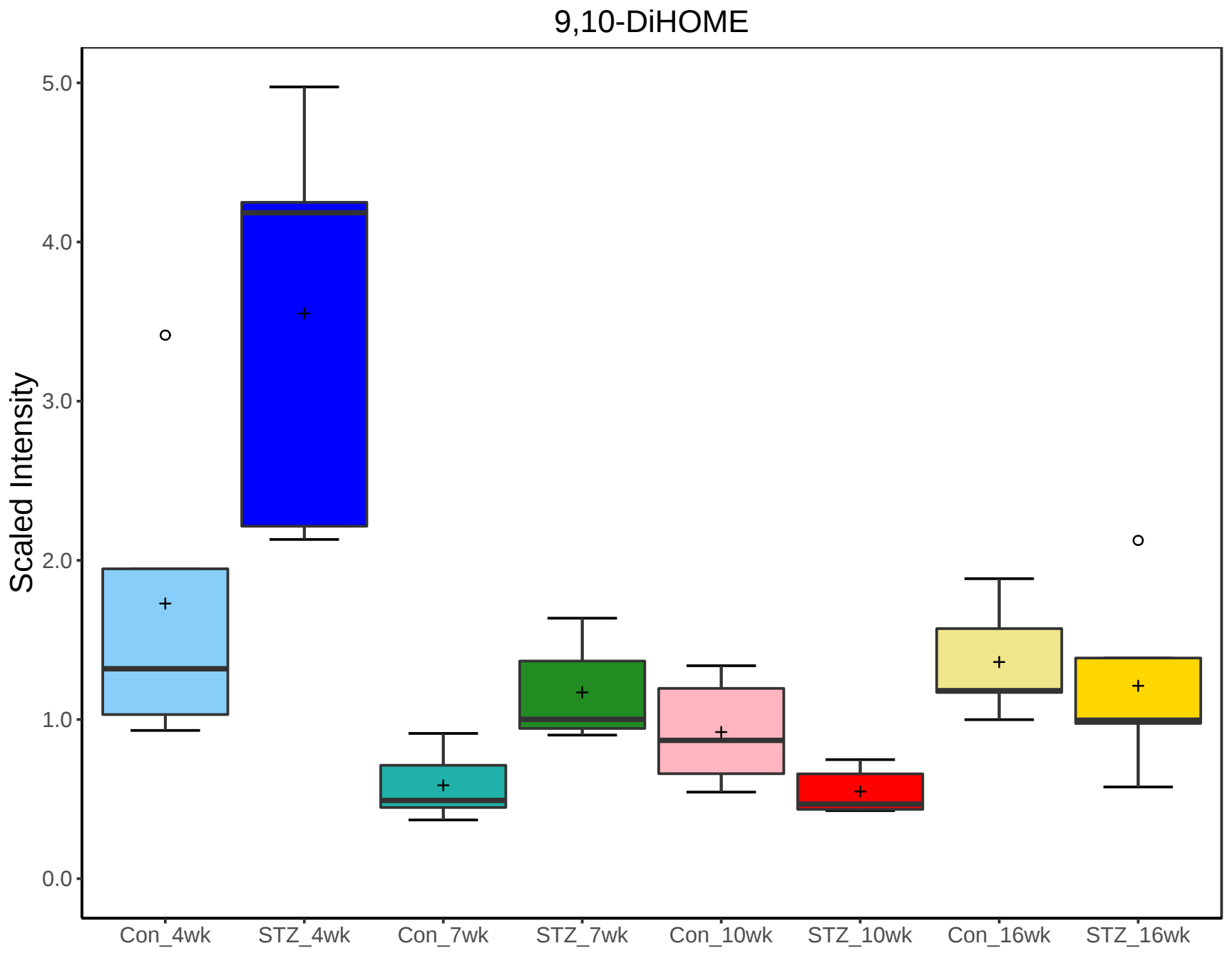

3-hydroxyarachidate*
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

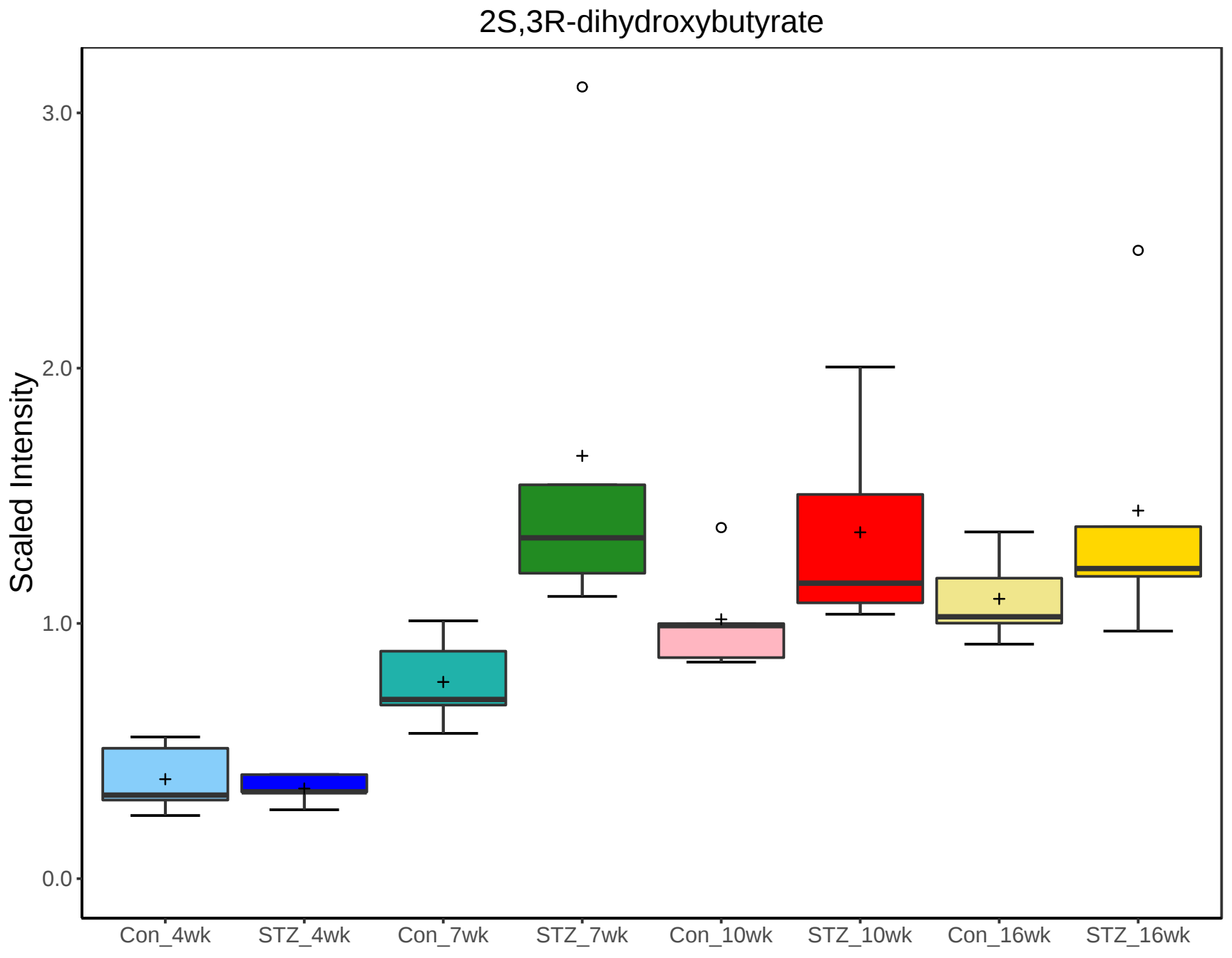

5-hydroxyhexanoate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

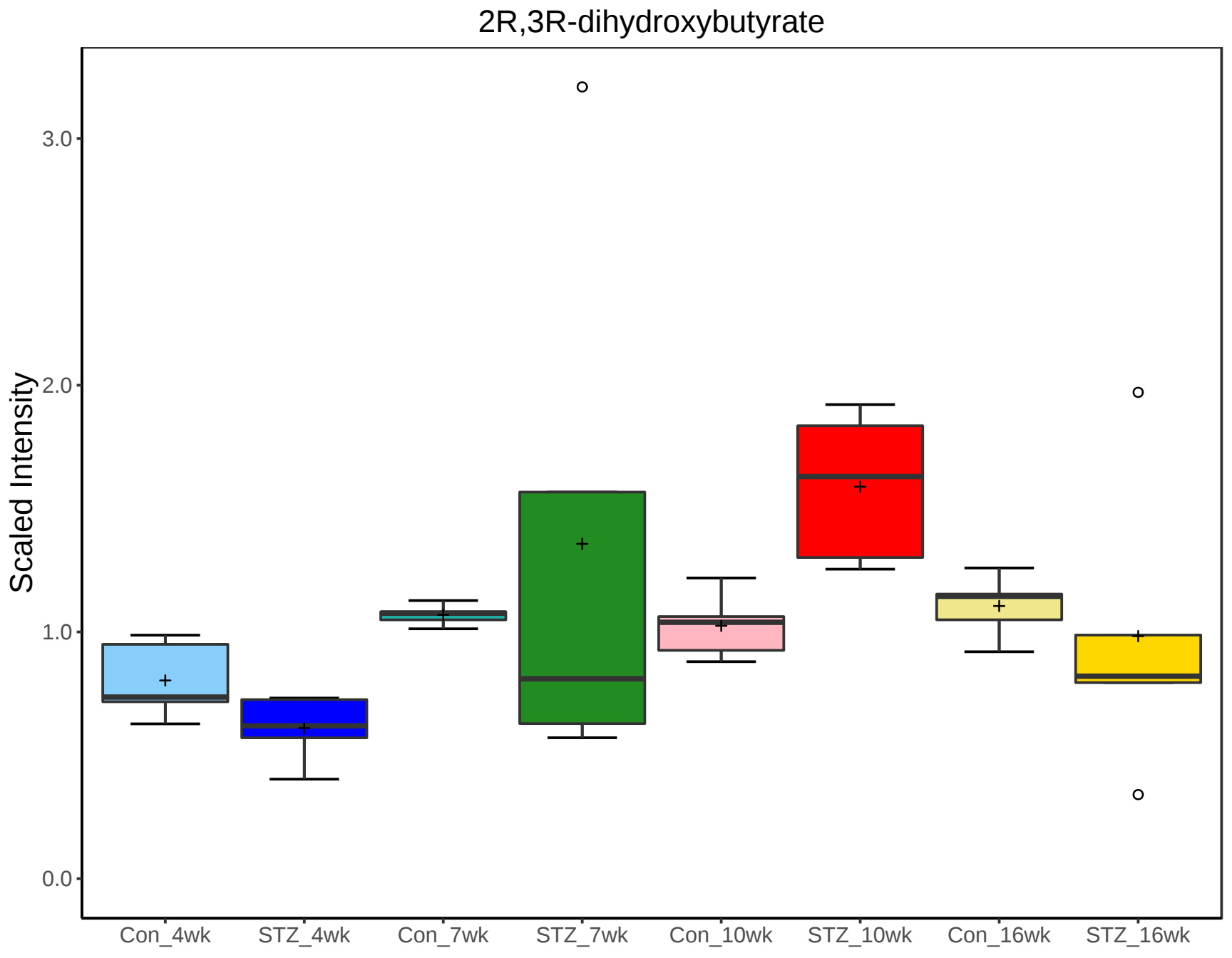

16-hydroxypalmitate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

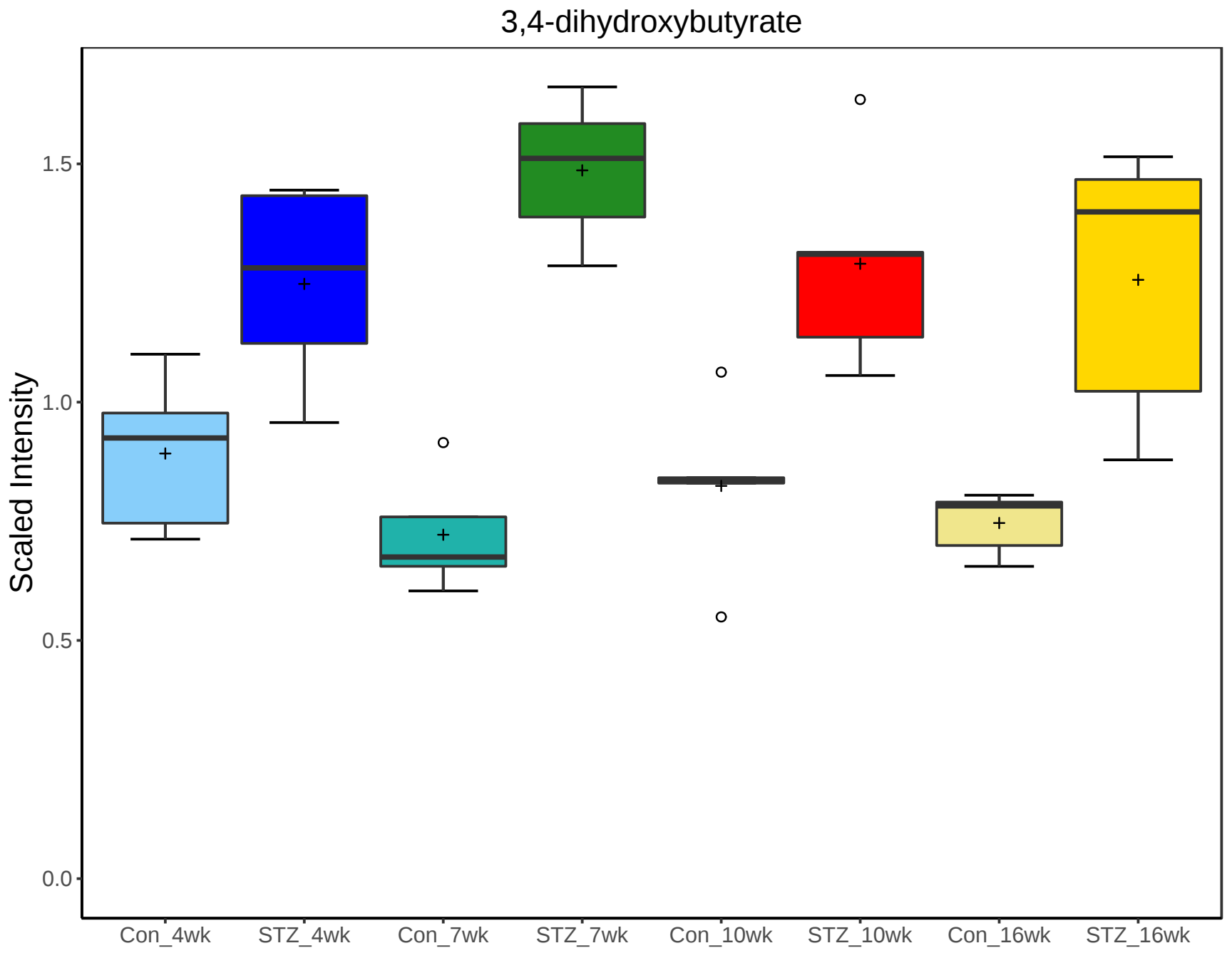

13-HODE + 9-HODE
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

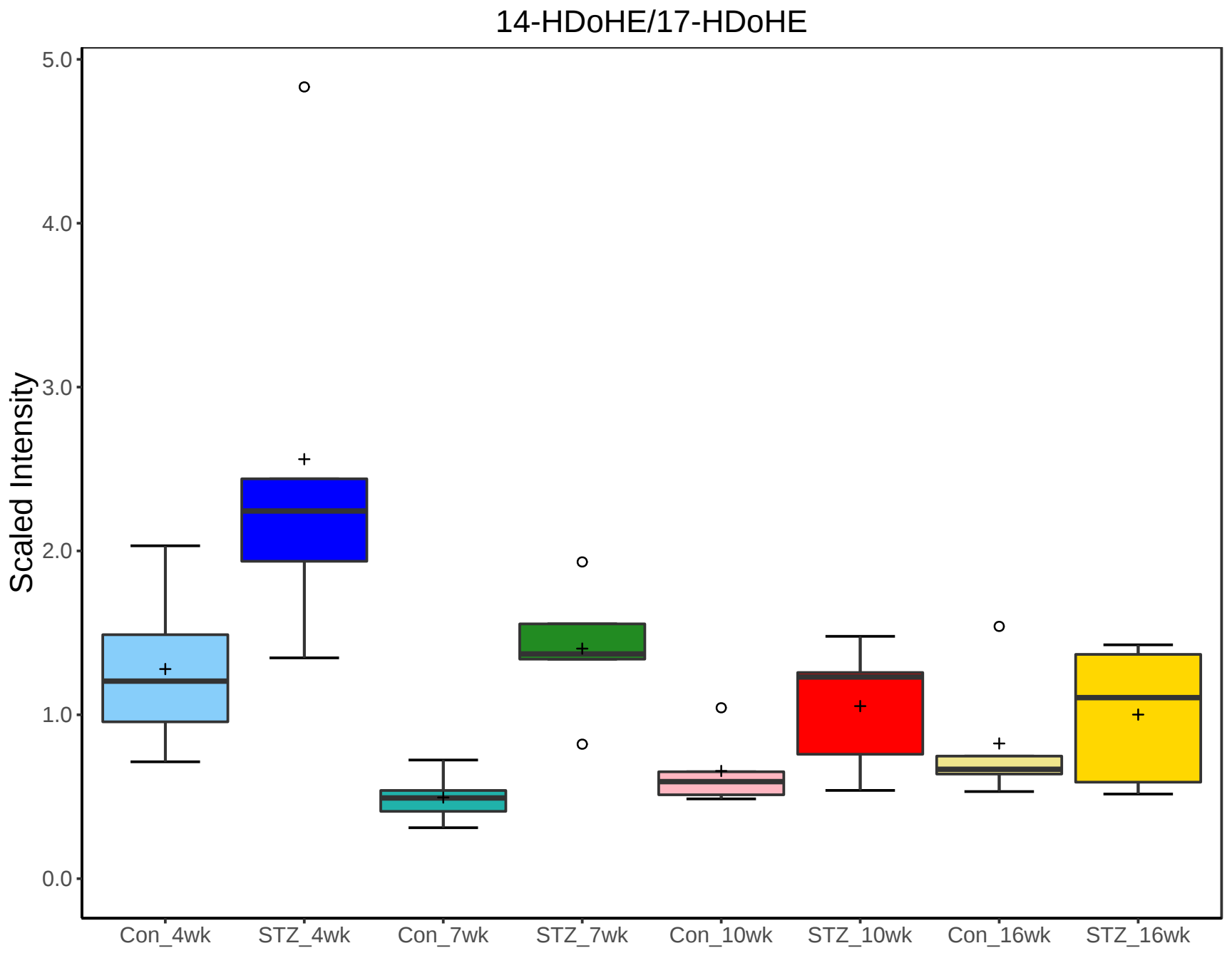

12,13-DiHOME
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

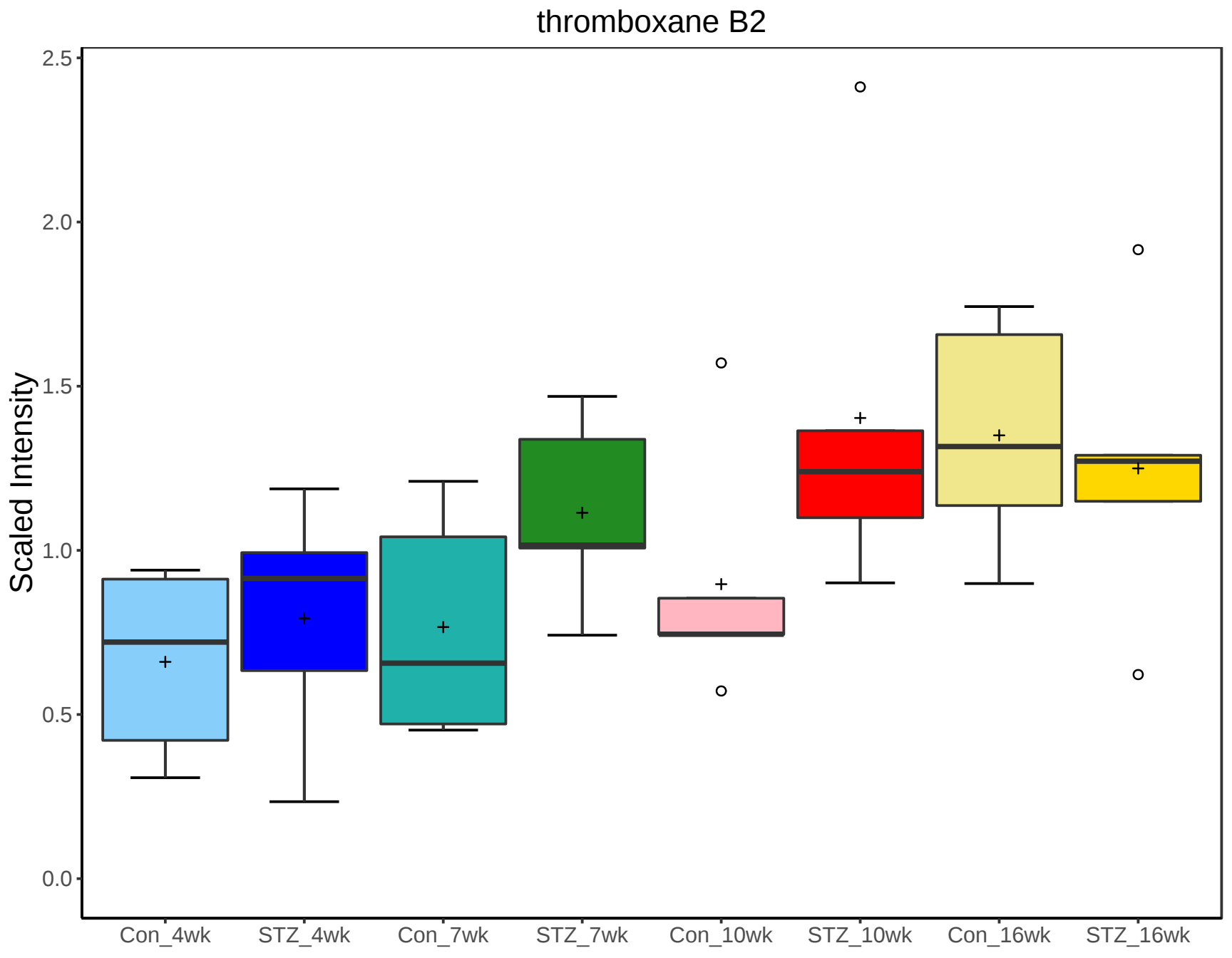

9,10-DiHOME
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

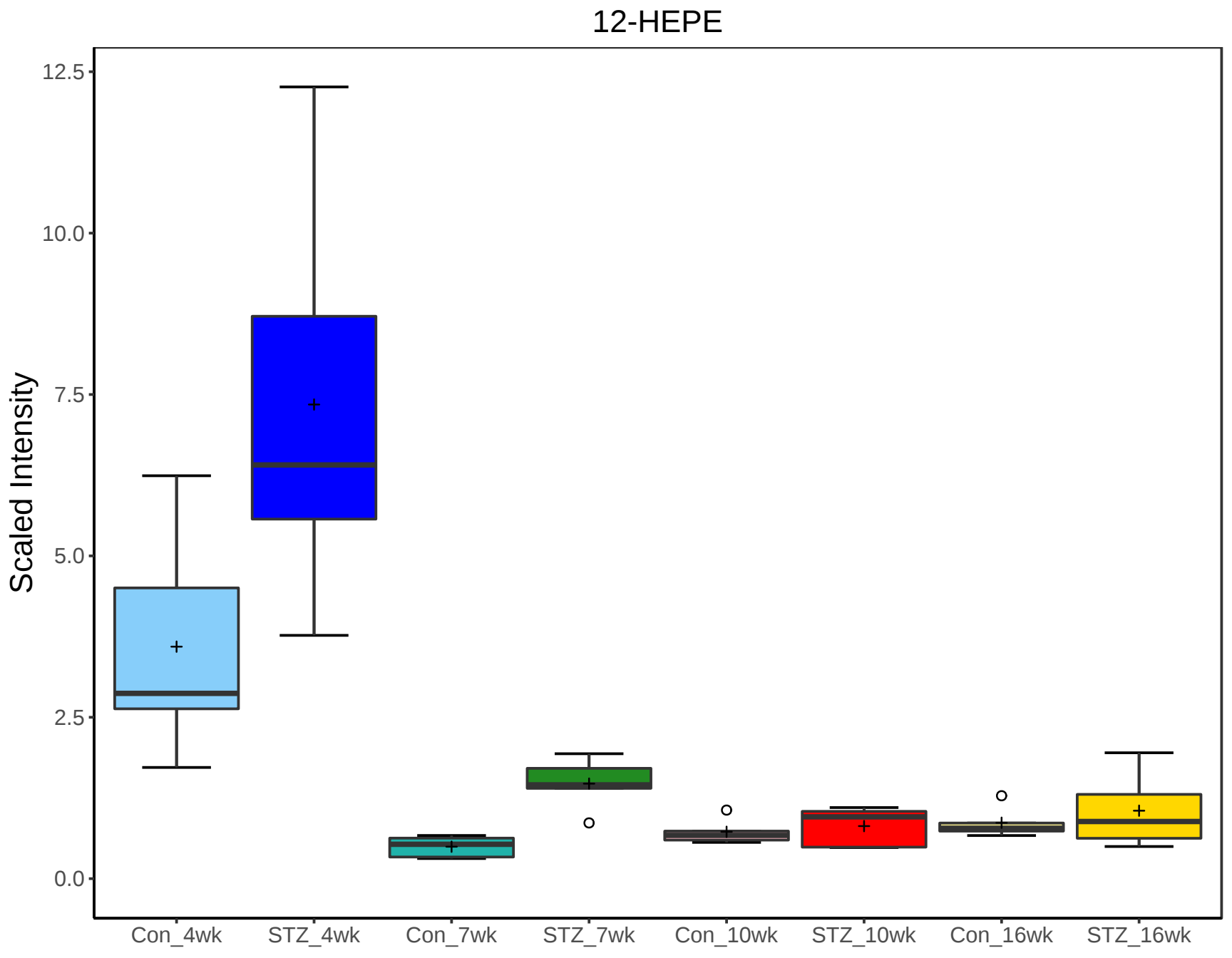

2S,3R-dihydroxybutyrate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

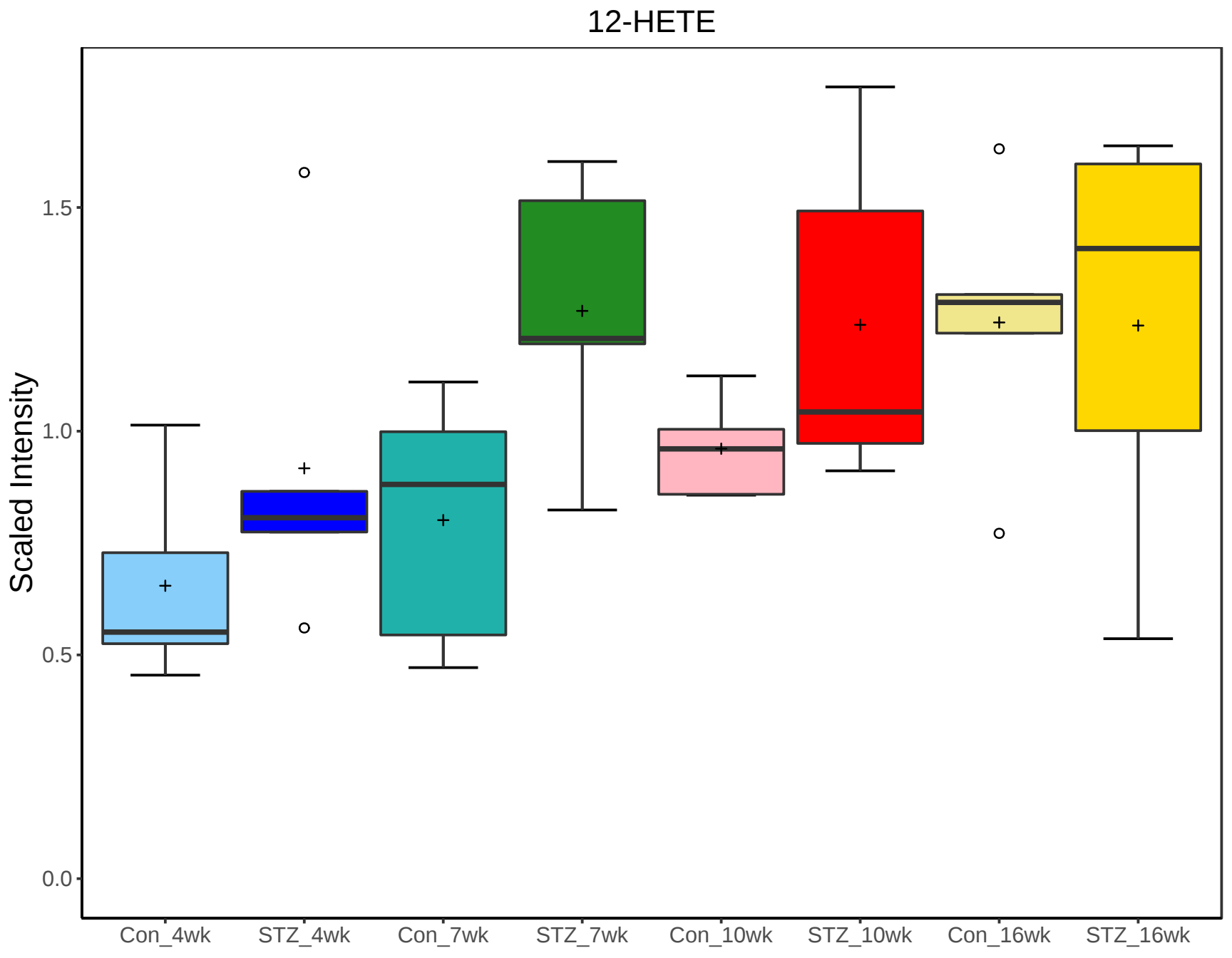

2R,3R-dihydroxybutyrate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

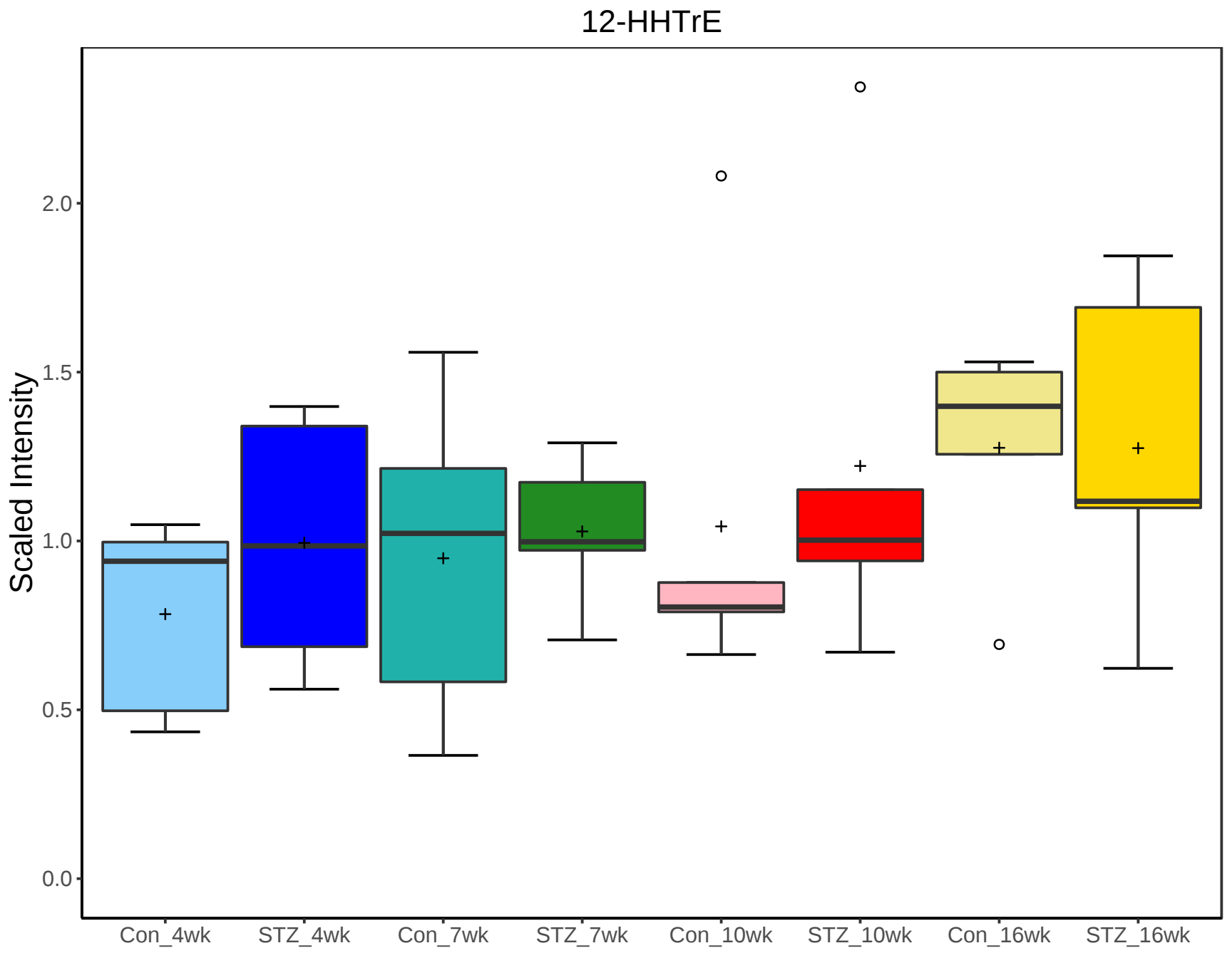

3,4-dihydroxybutyrate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

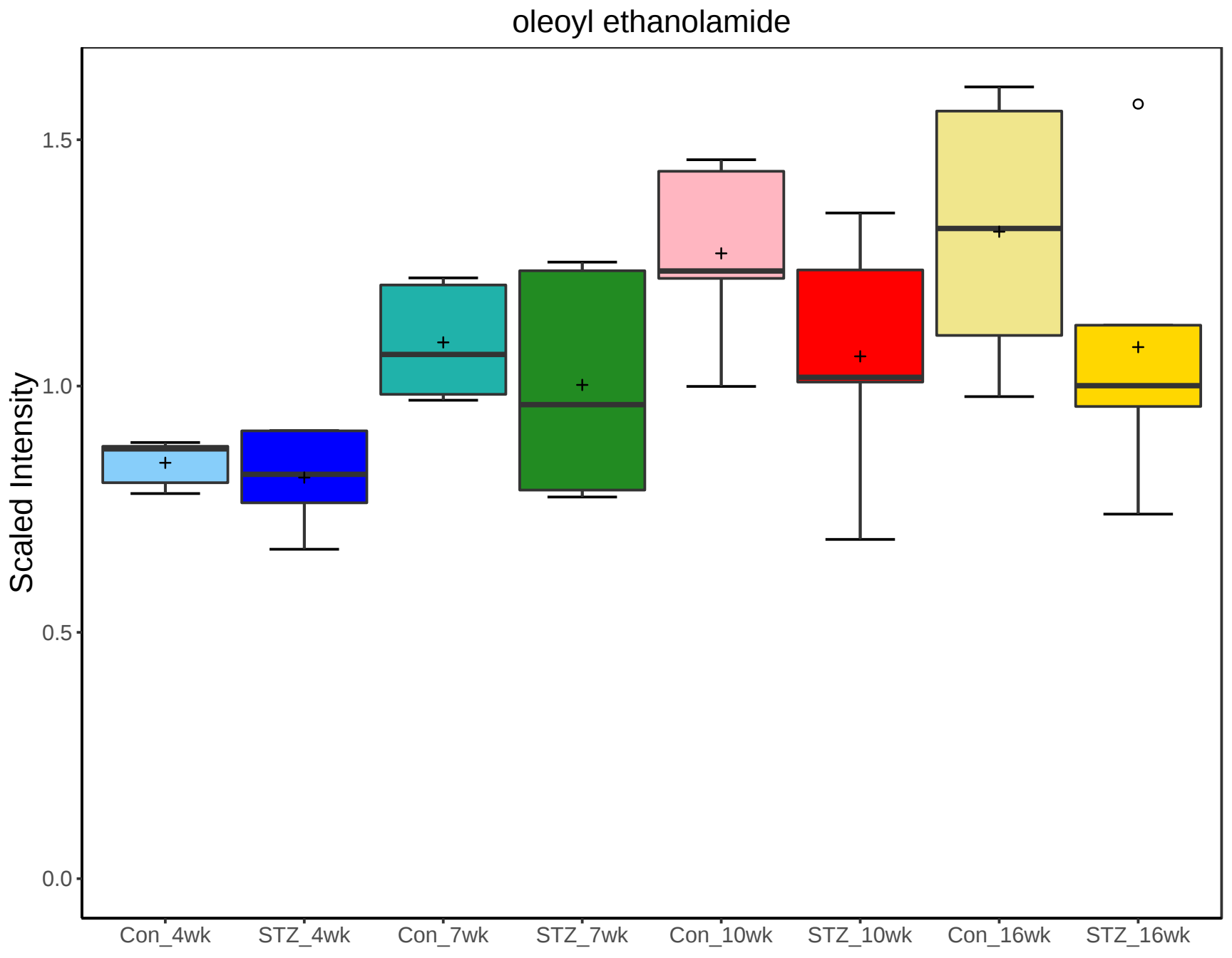

14-HDoHE/17-HDoHE
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

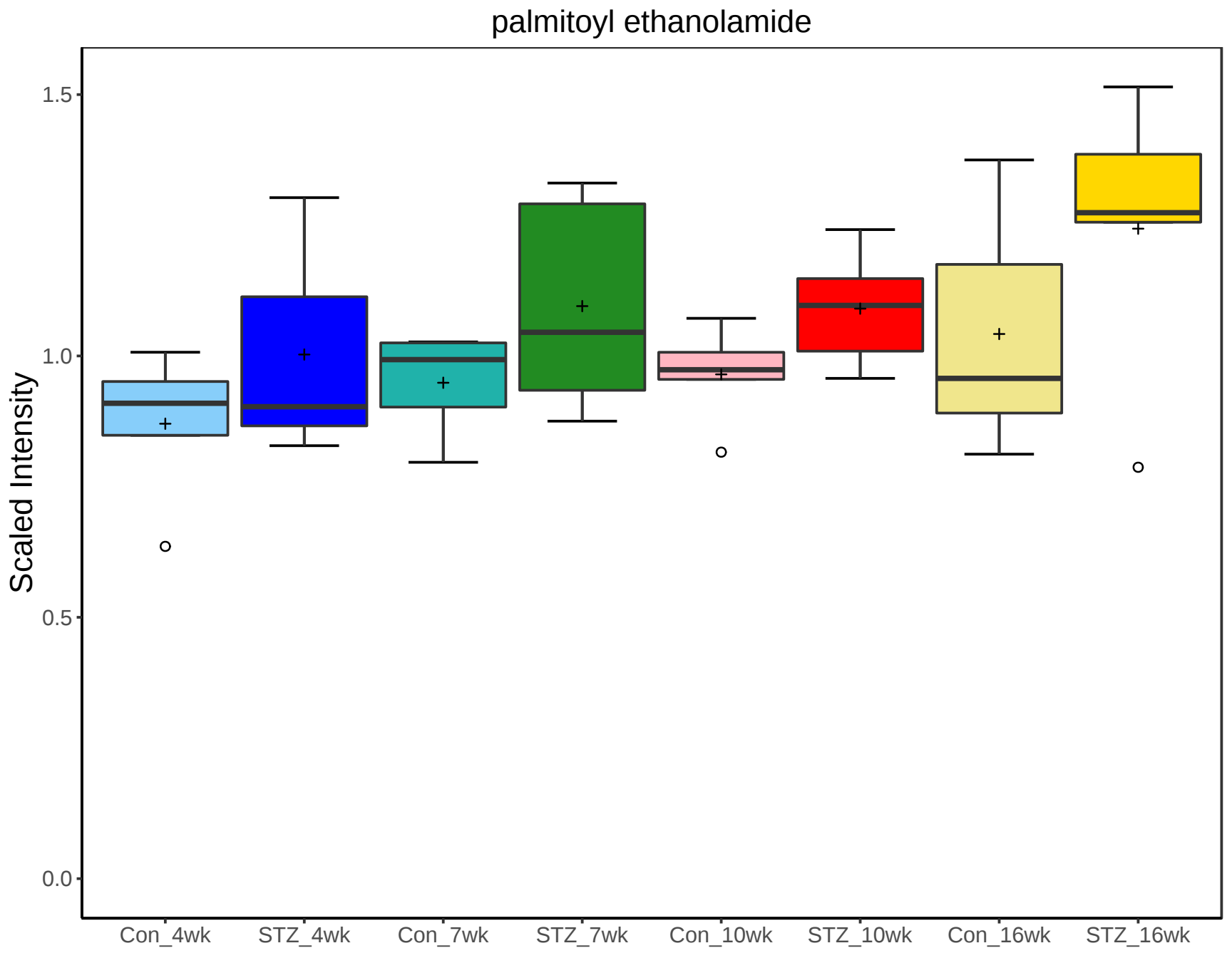

thromboxane B2
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

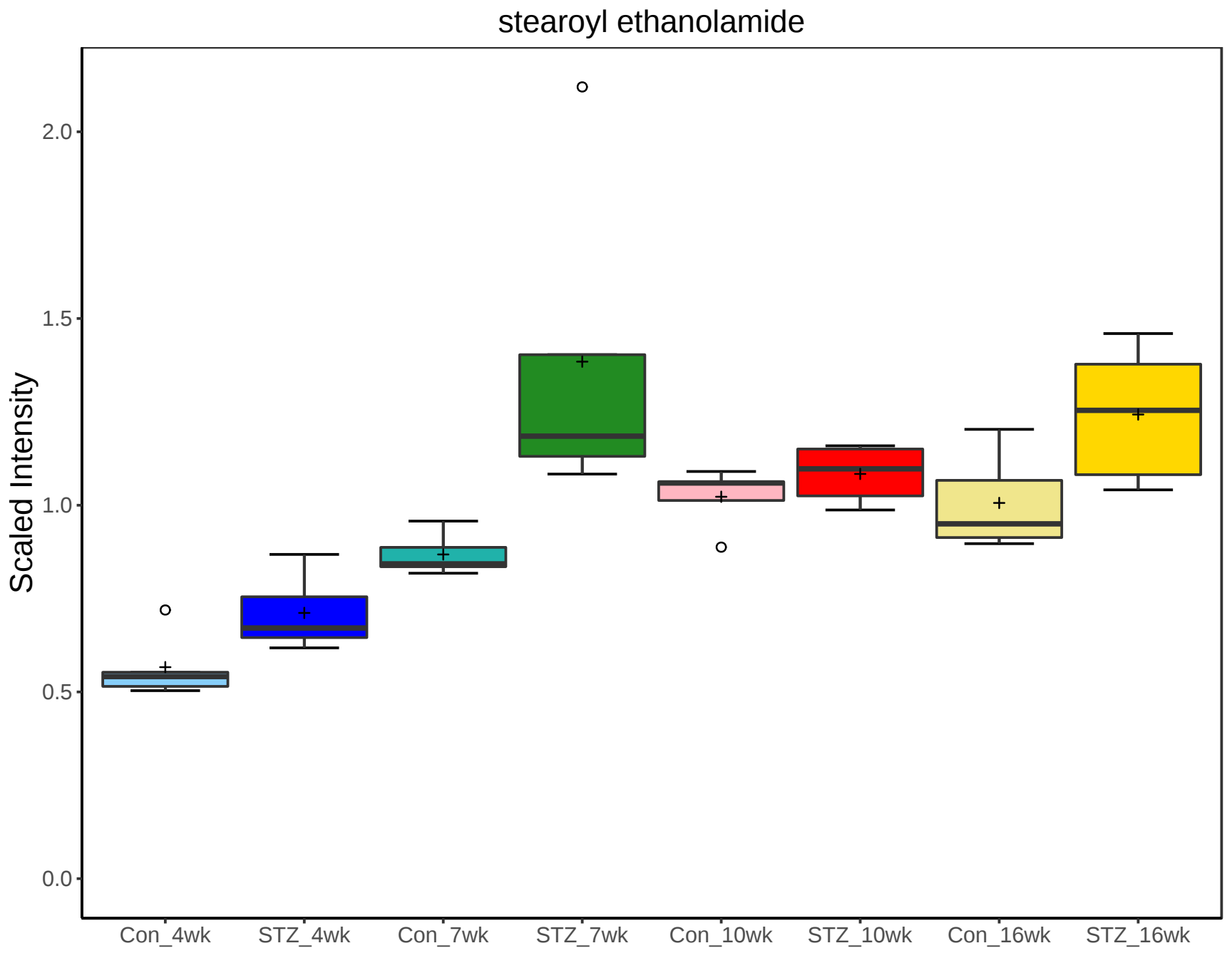

12-HEPE
Scaled Intensity
12.5
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

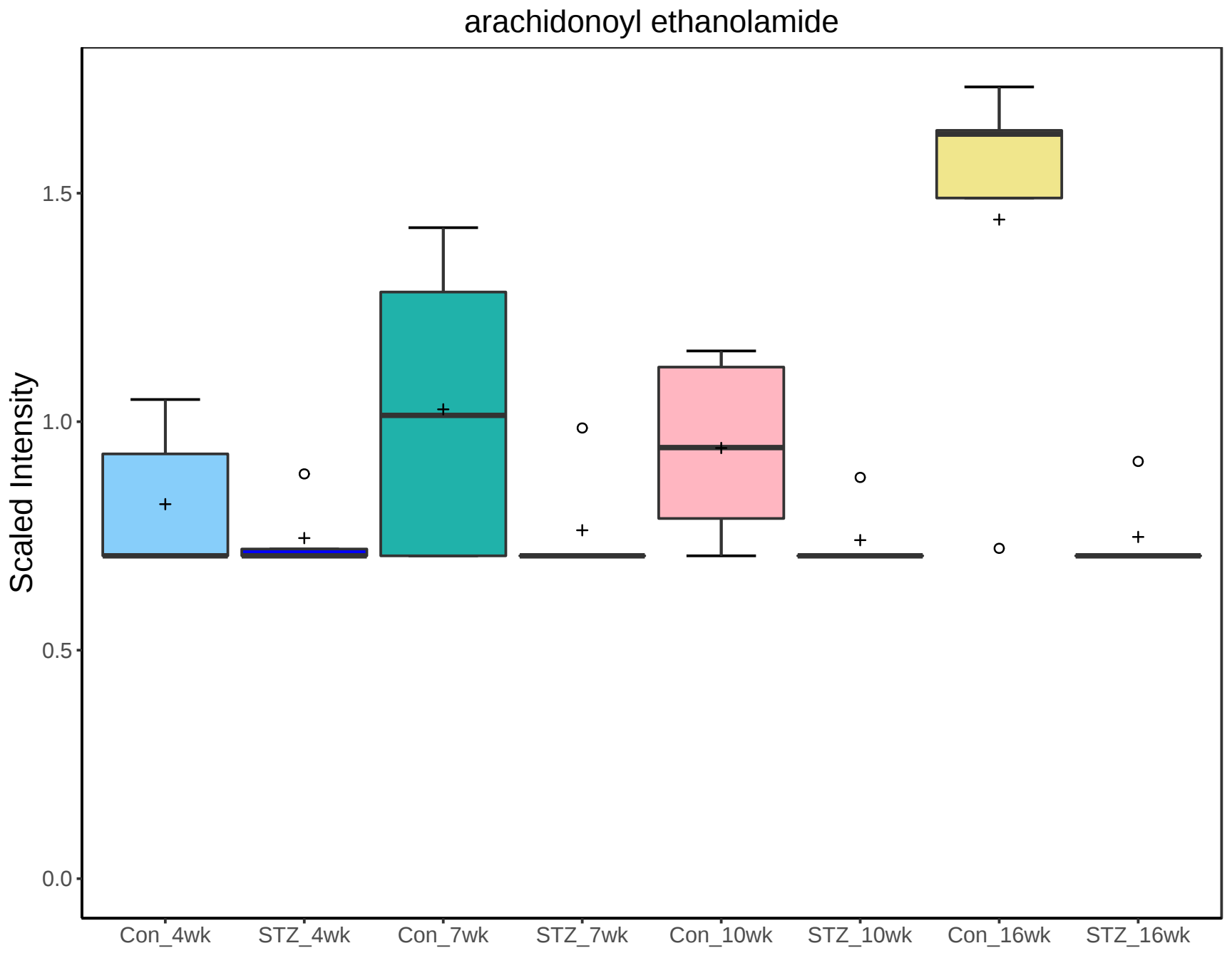

12-HETE
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

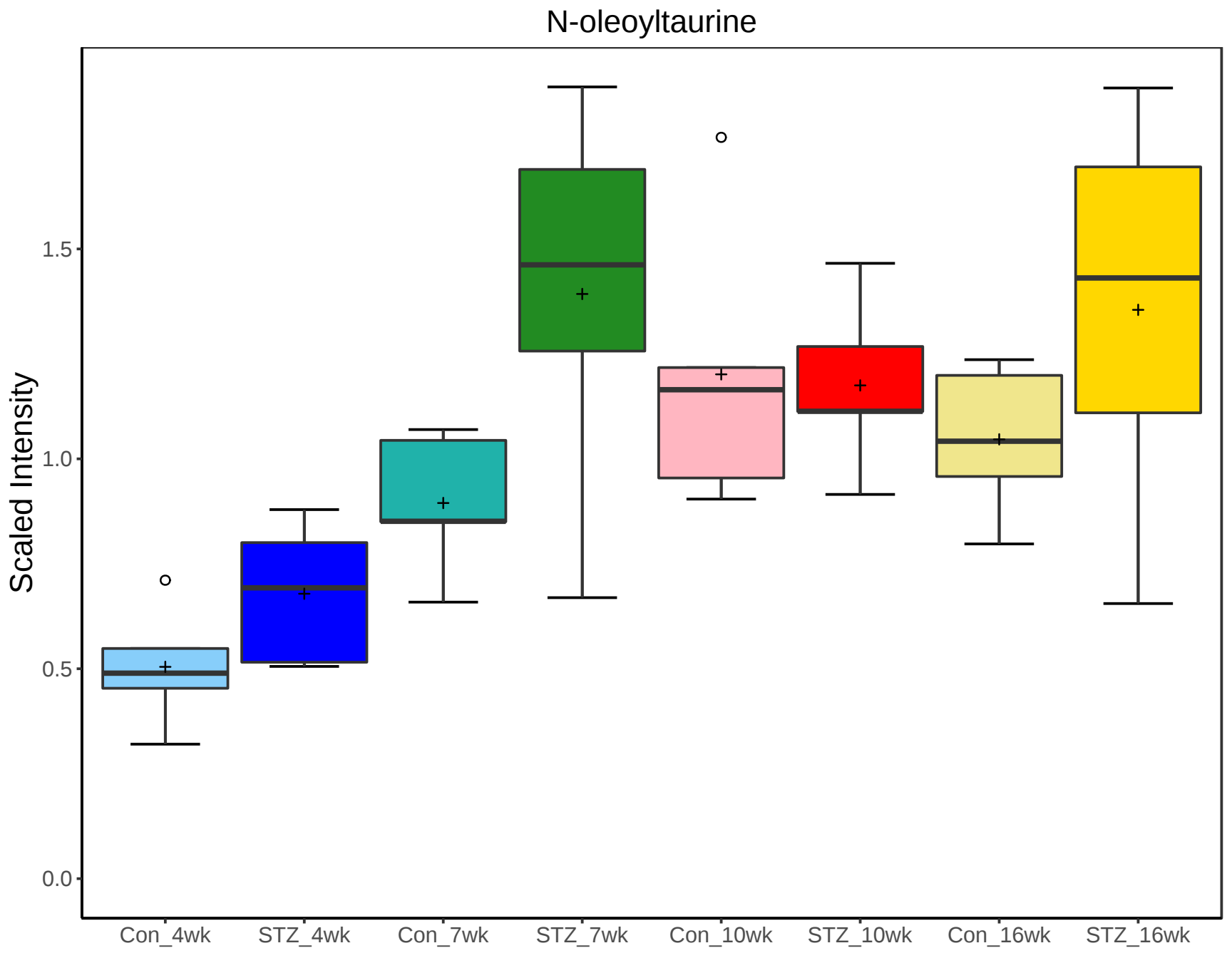

12-HHTrE
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

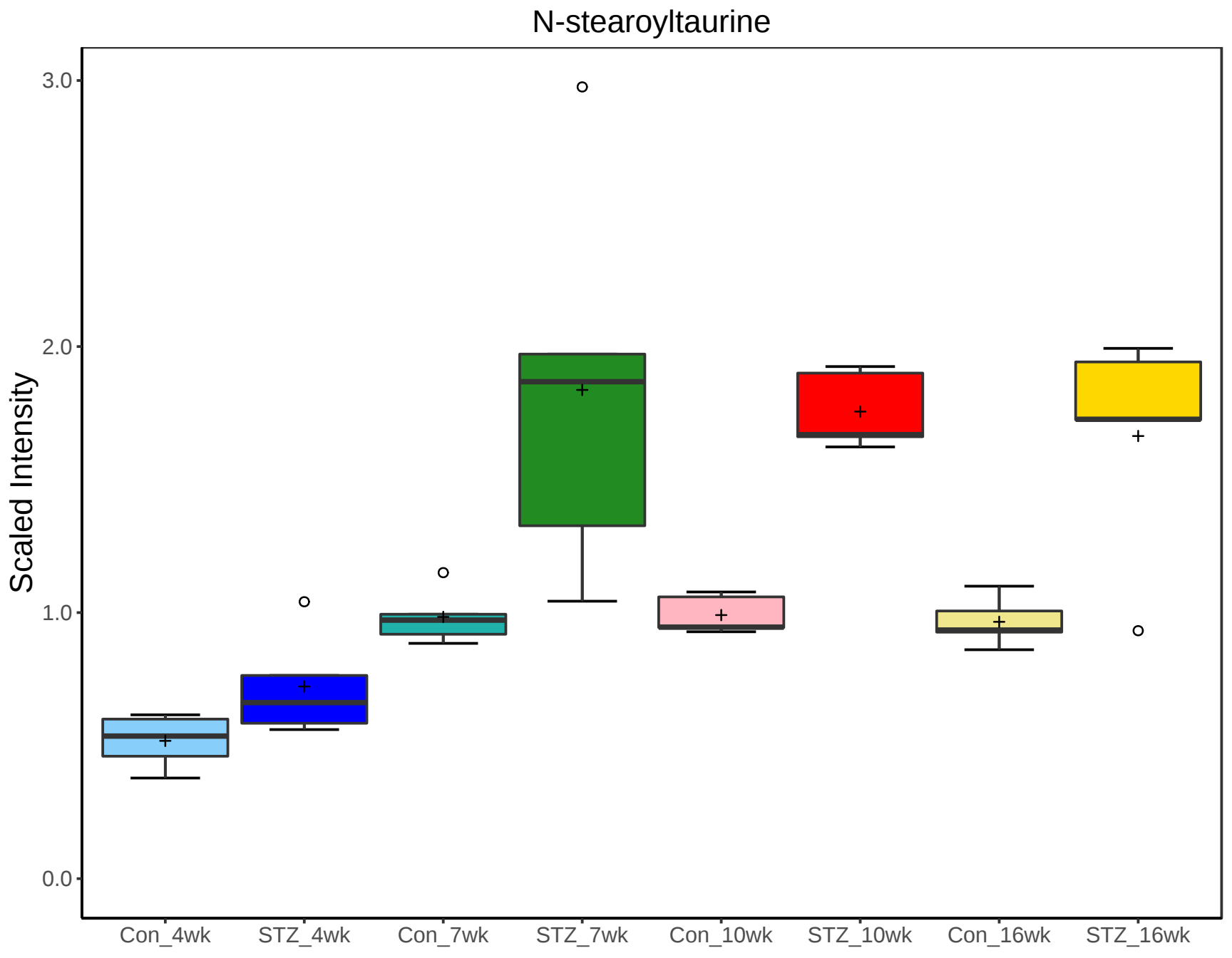

oleoyl ethanolamide
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

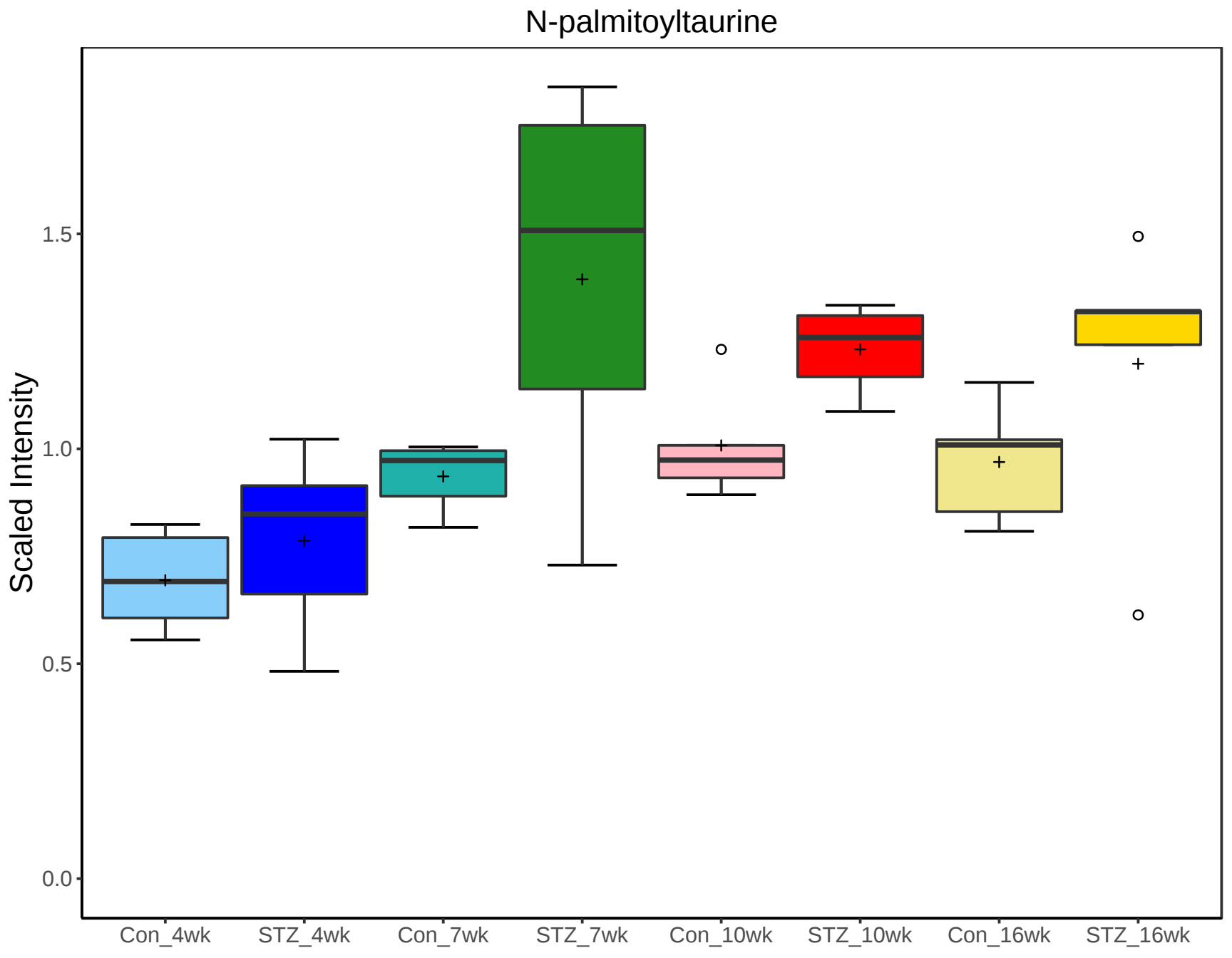

palmitoyl ethanolamide
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

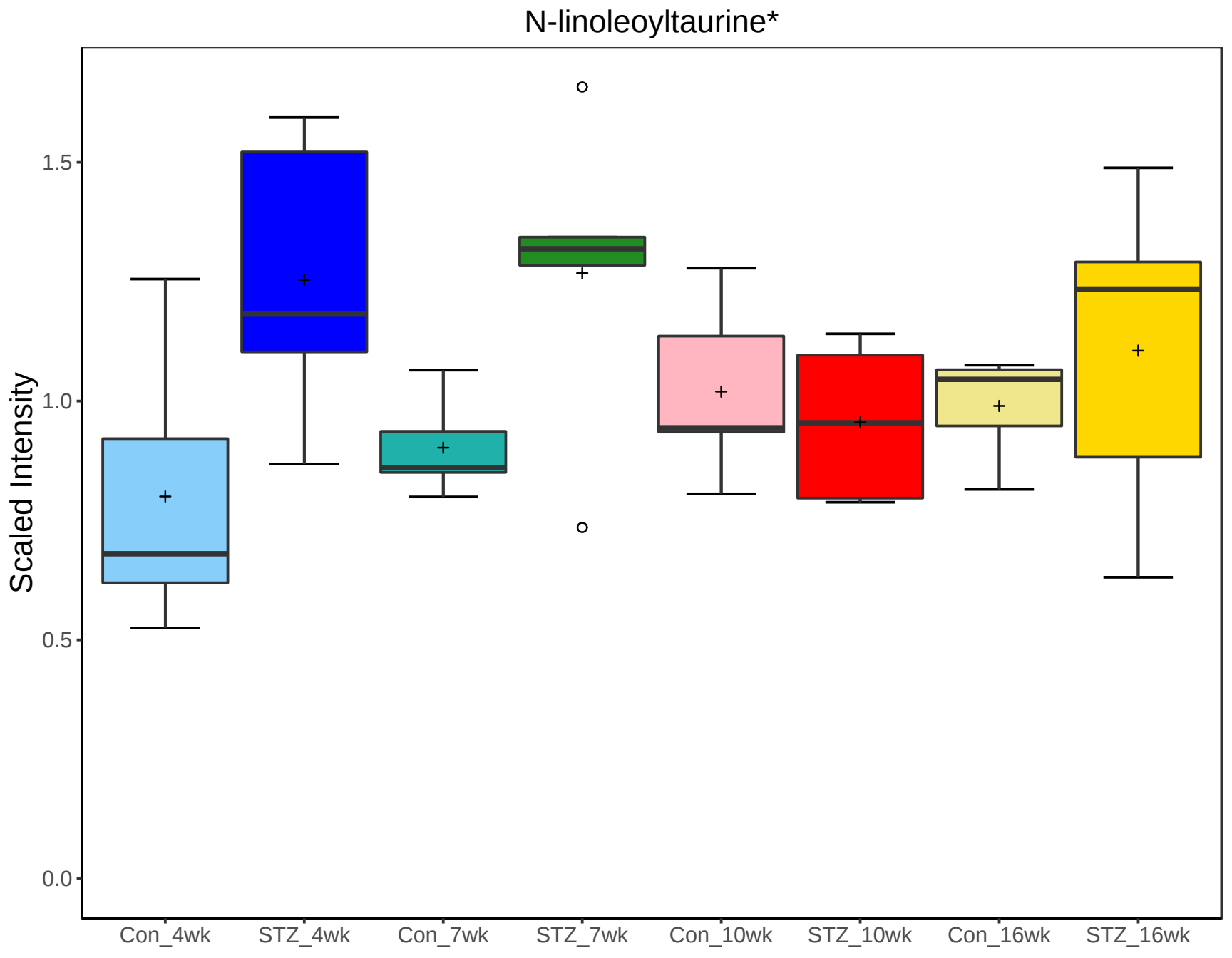

stearoyl ethanolamide
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

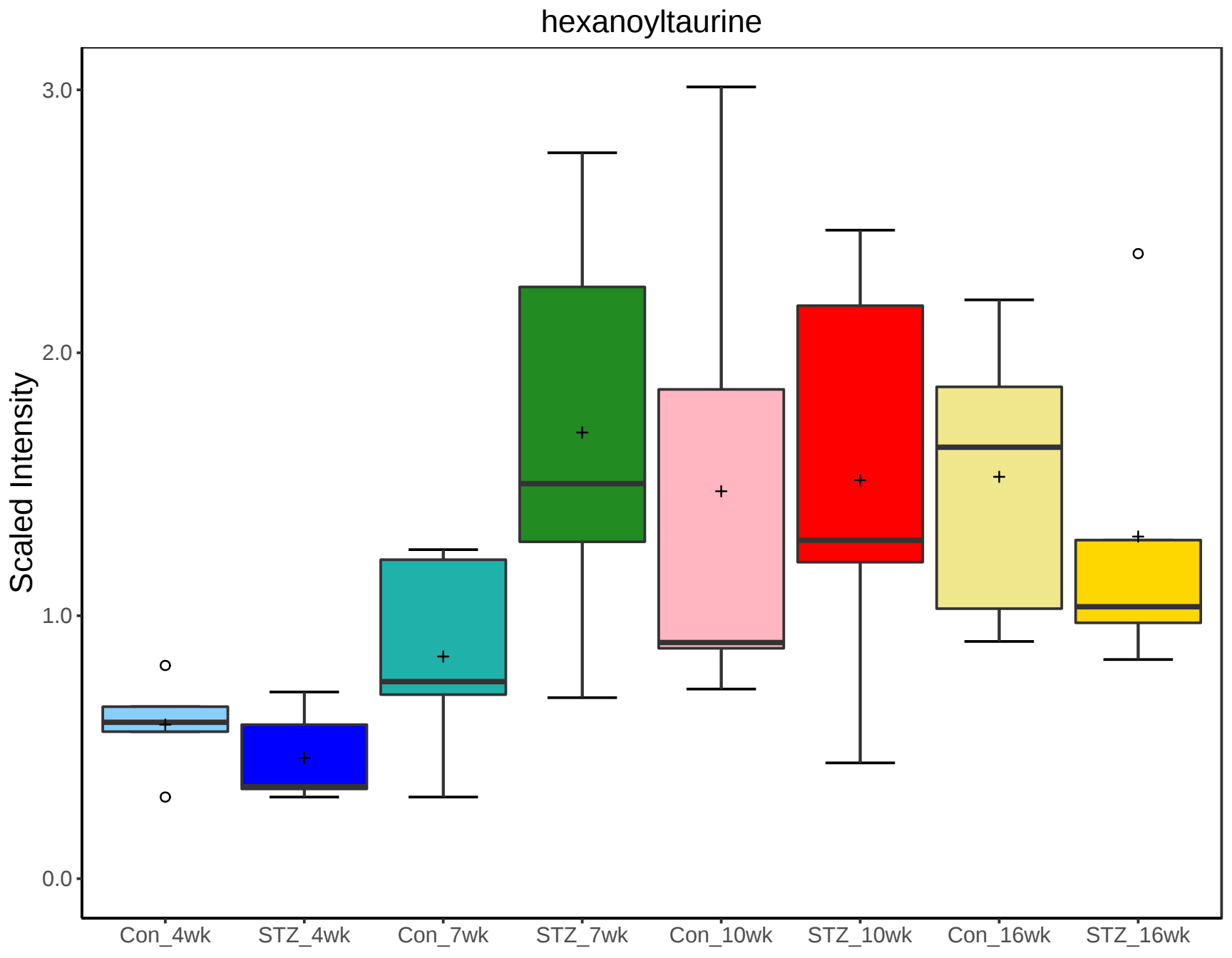

arachidonoyl ethanolamide
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

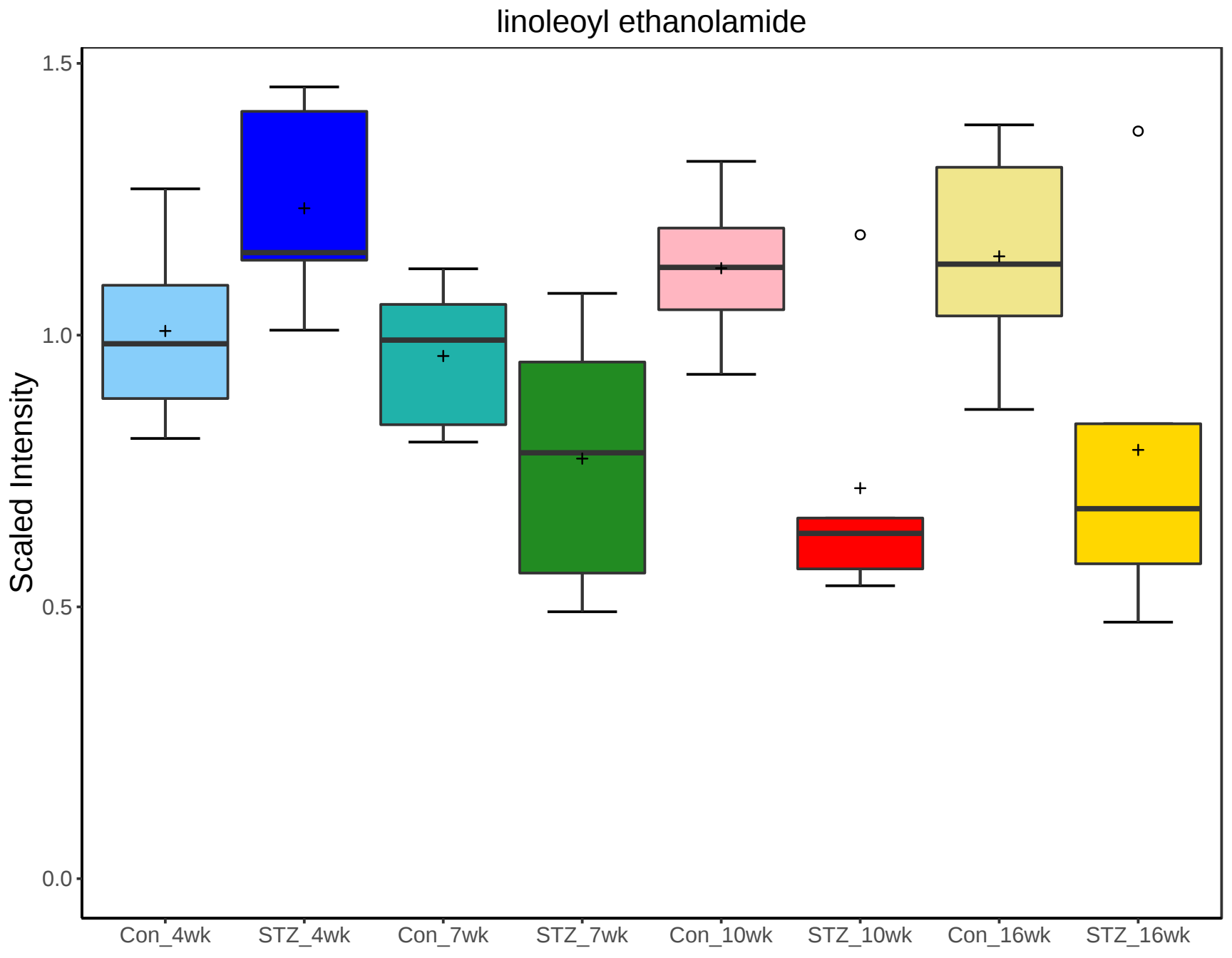

N-oleoyltaurine
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

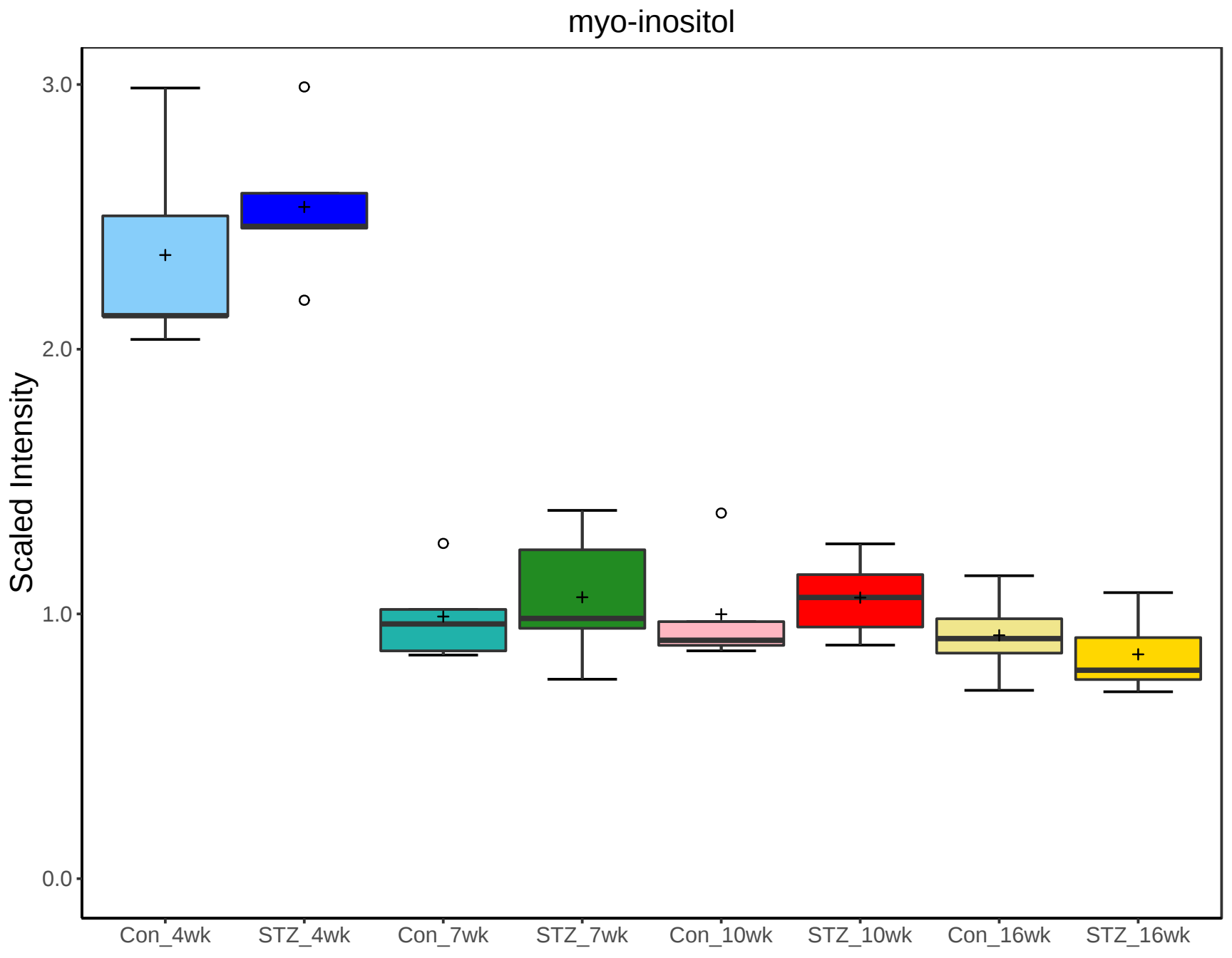

N-stearoyltaurine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

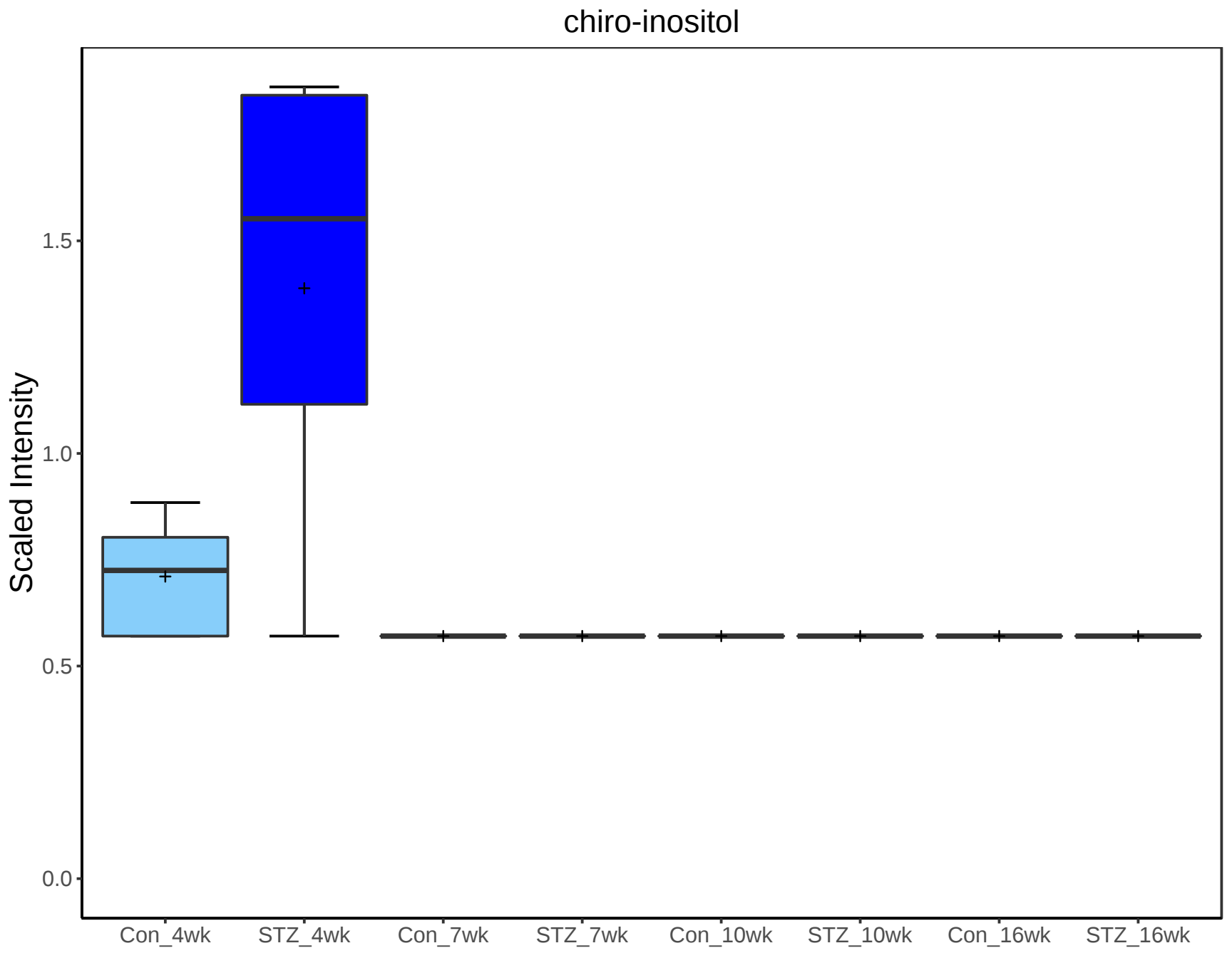

N-palmitoyltaurine
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

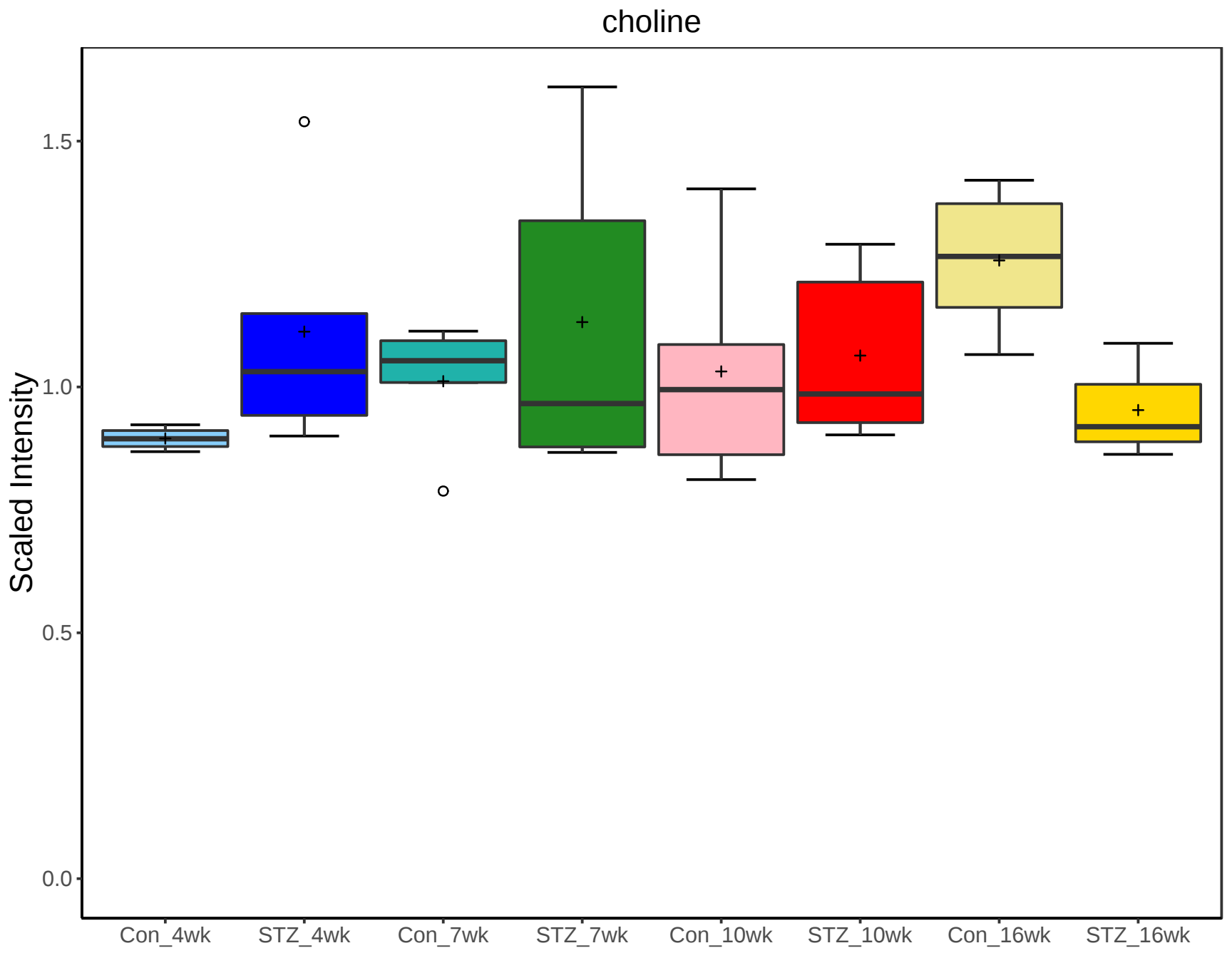

N-linoleoyltaurine*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

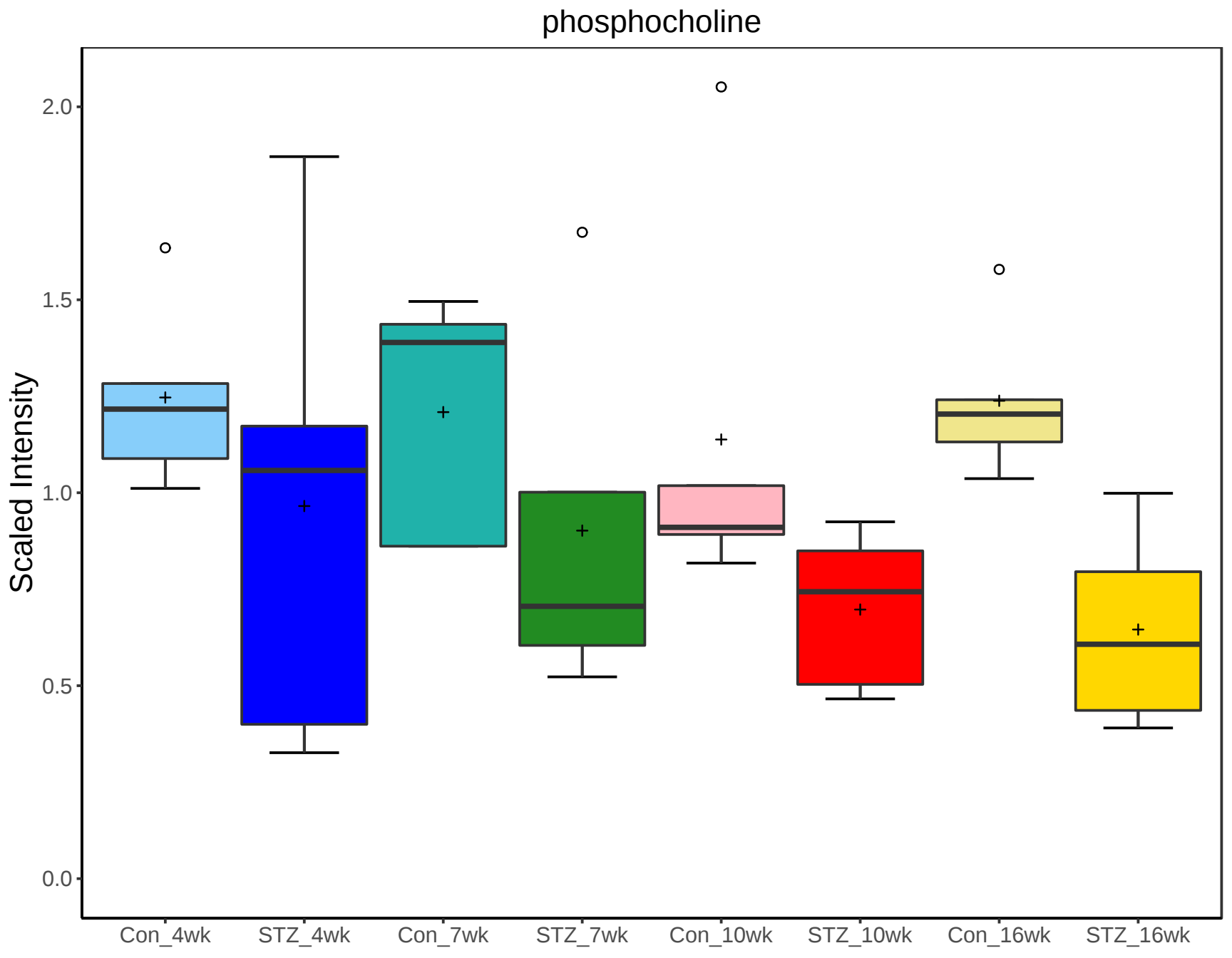

hexanoyltaurine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

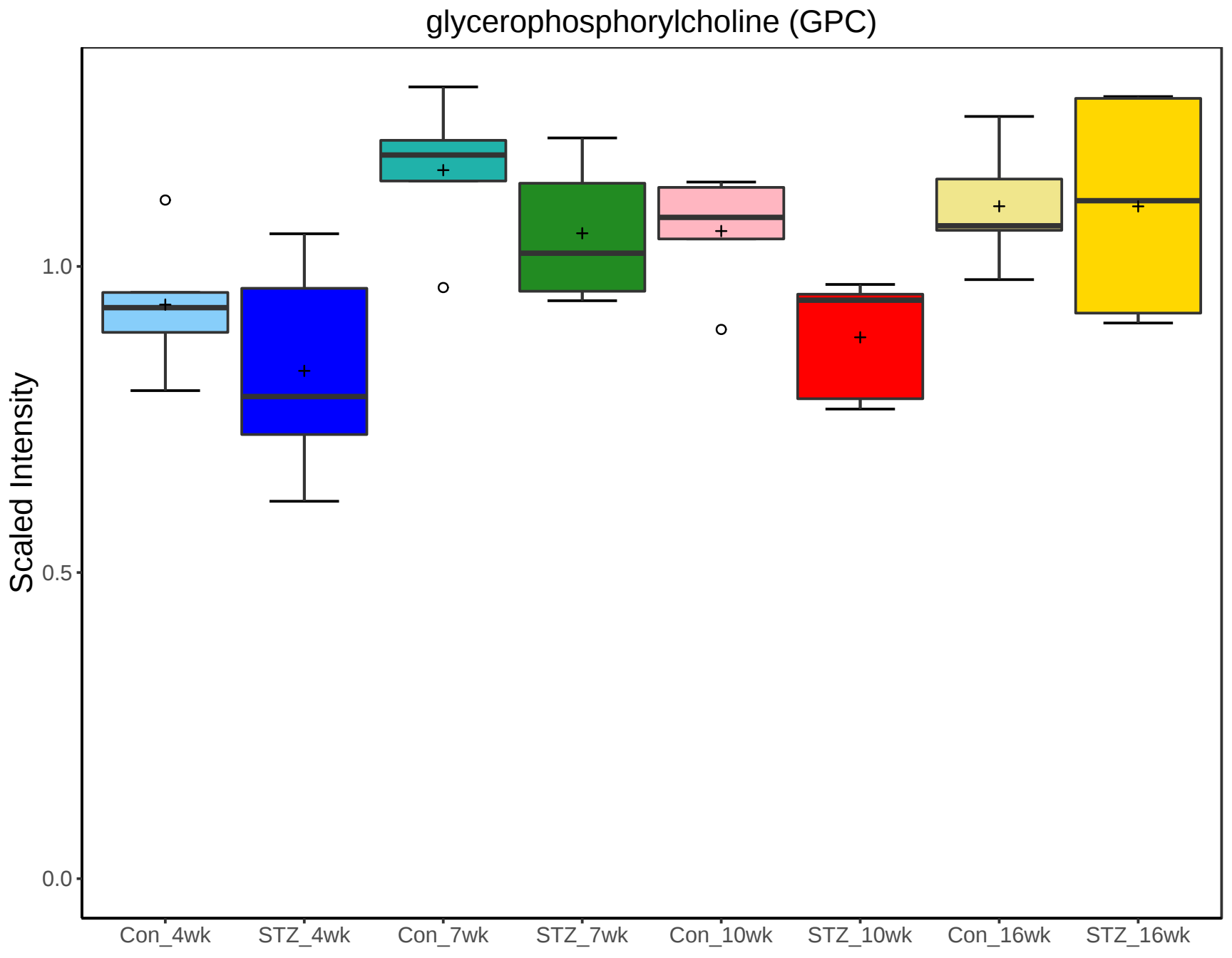

linoleoyl ethanolamide
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

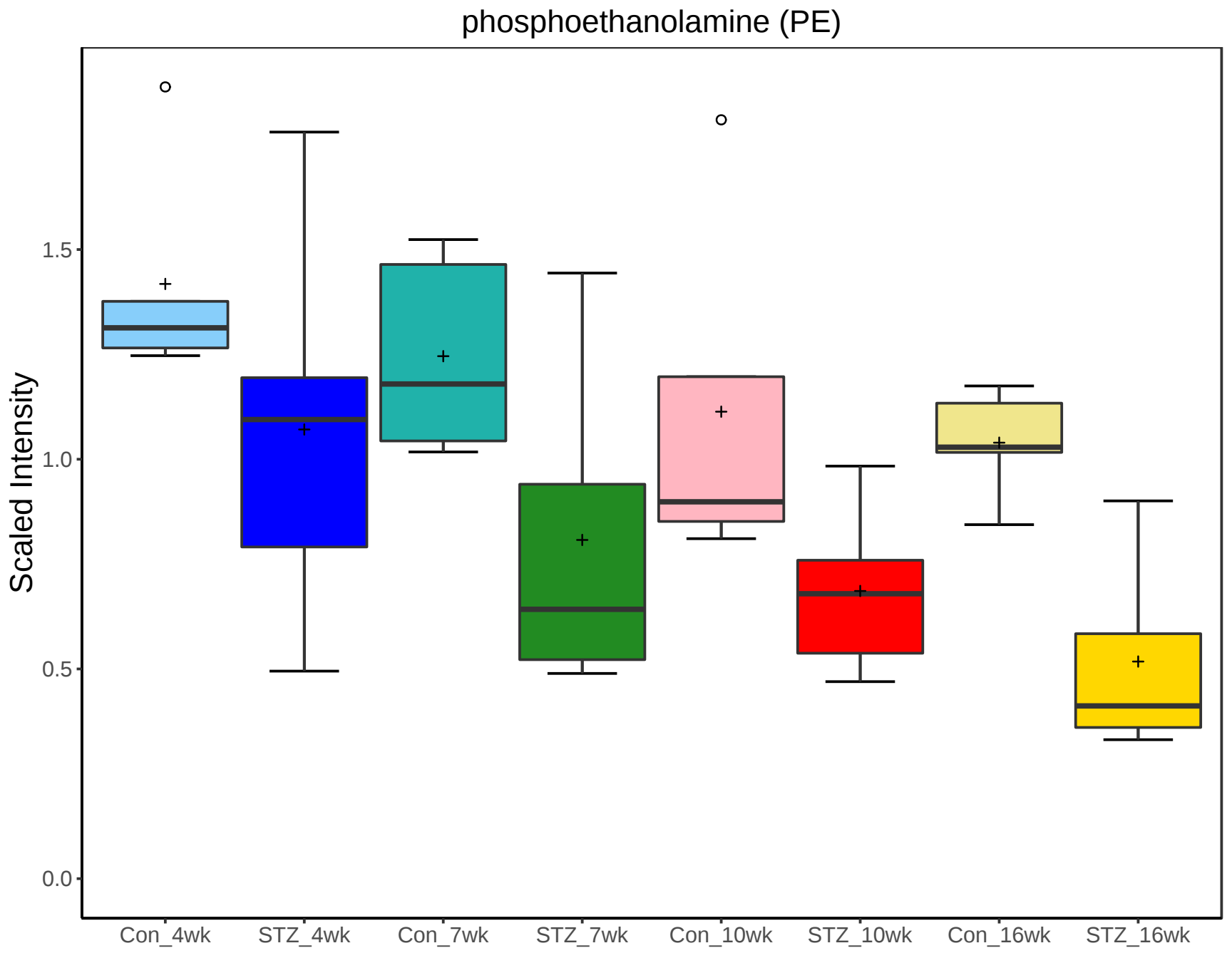

myo-inositol
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

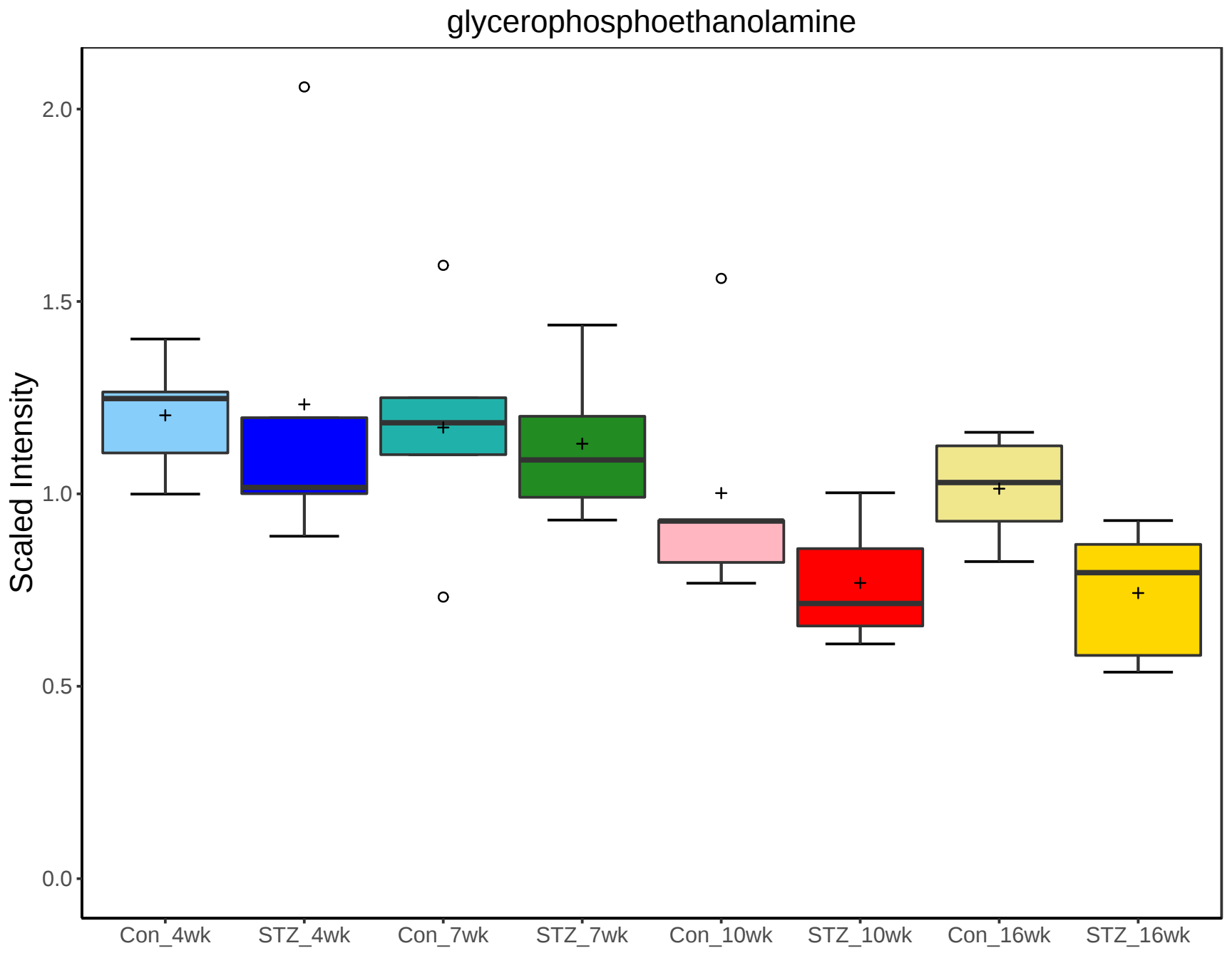

chiro-inositol
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

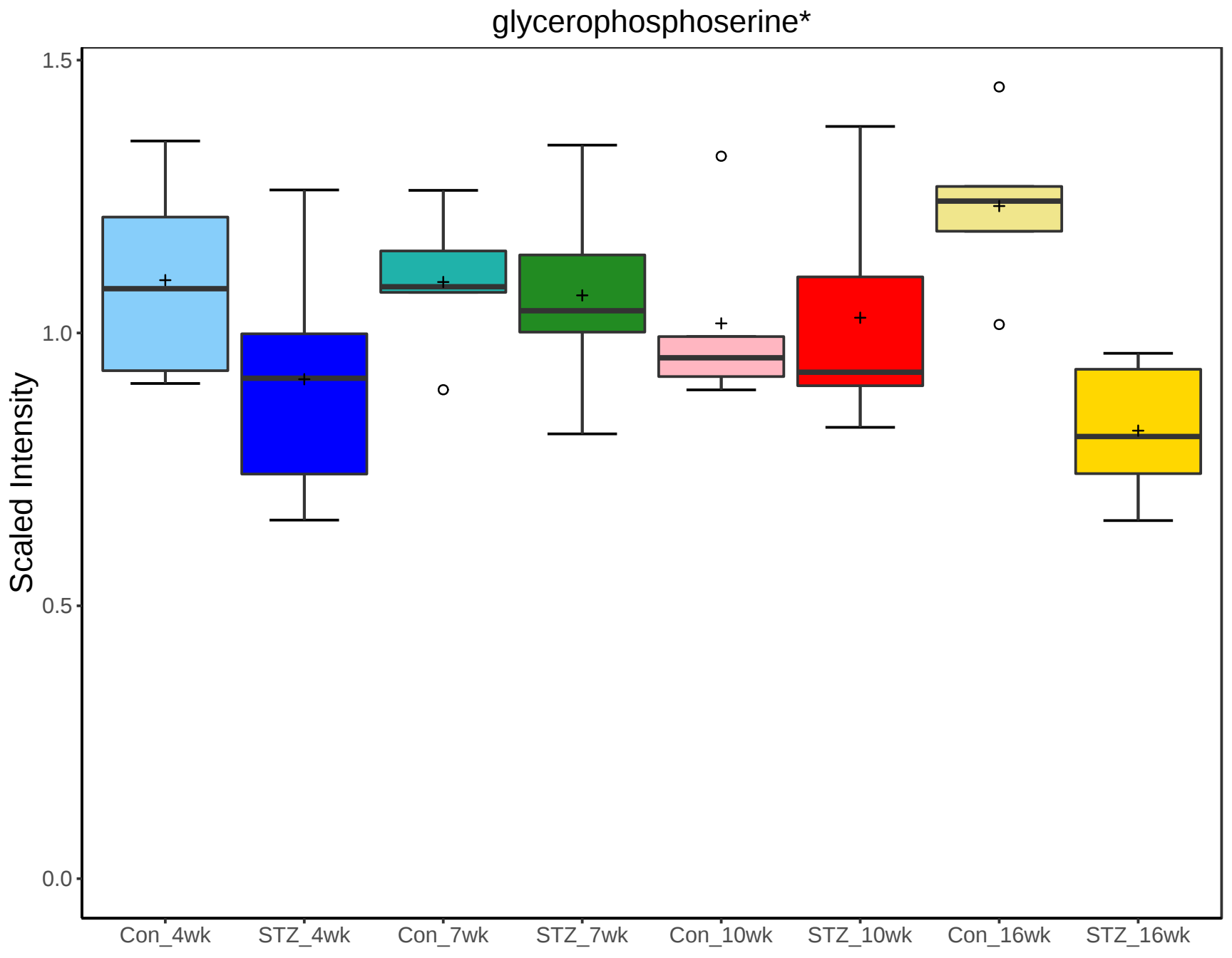

choline
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

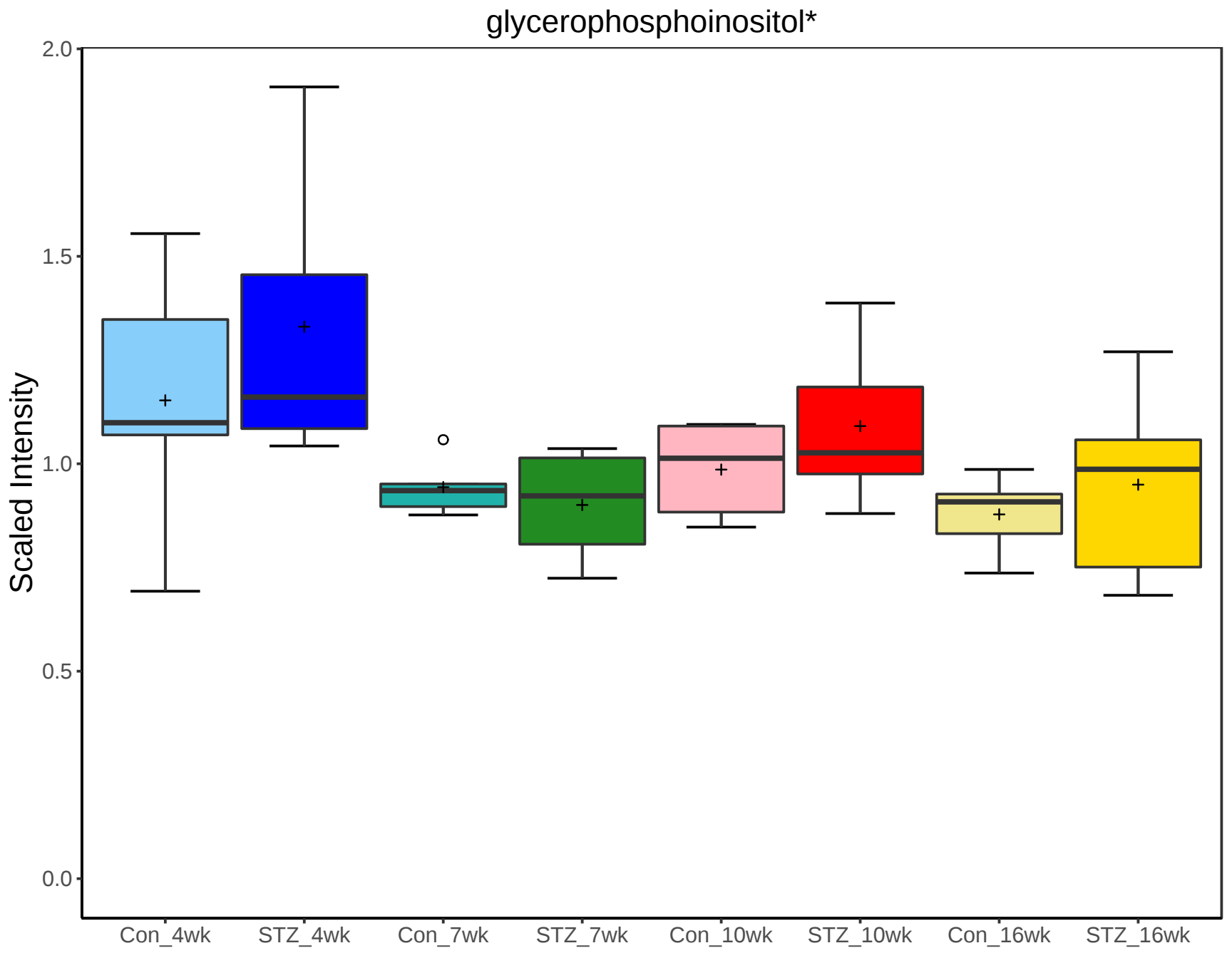

phosphocholine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

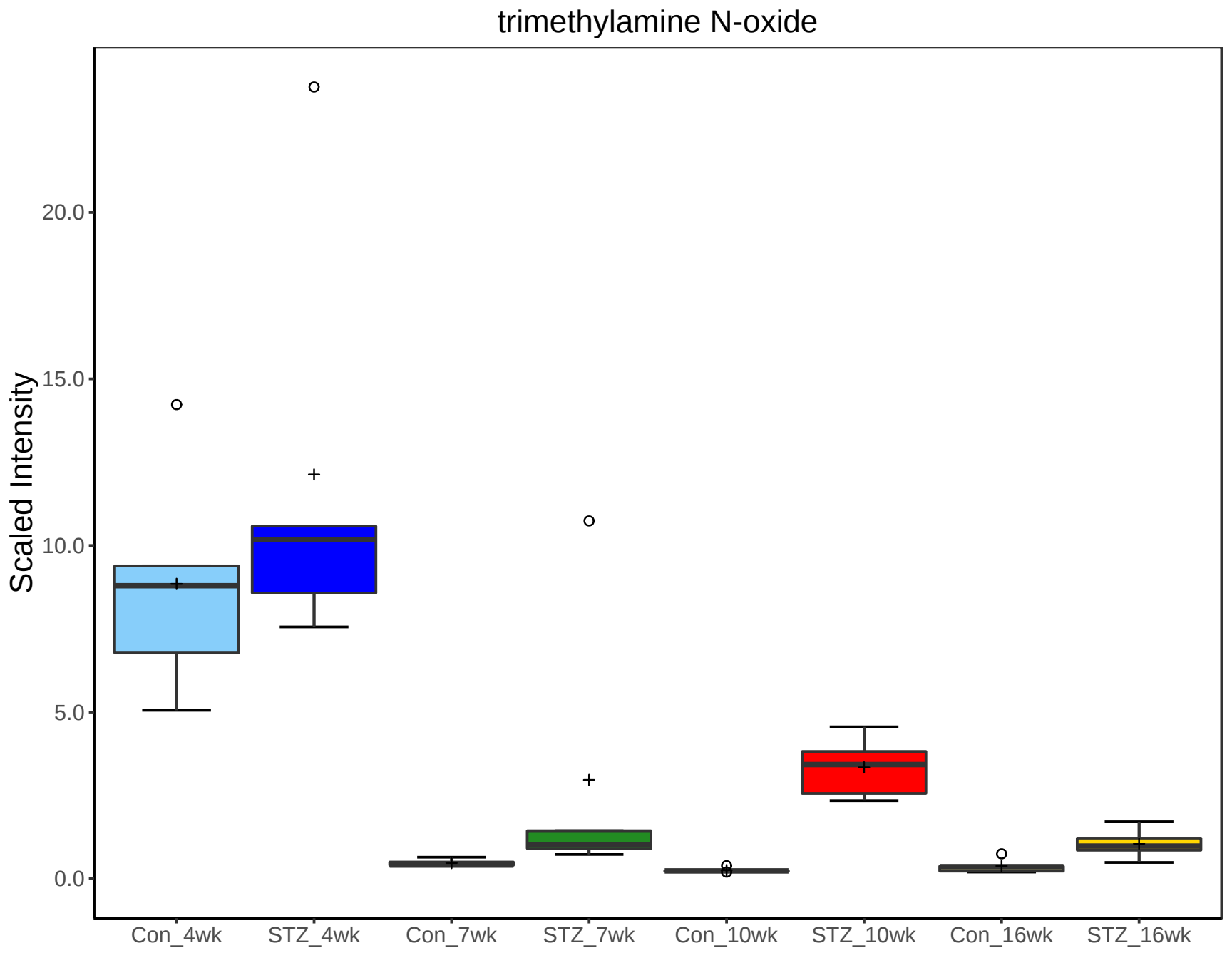

glycerophosphorylcholine (GPC)
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

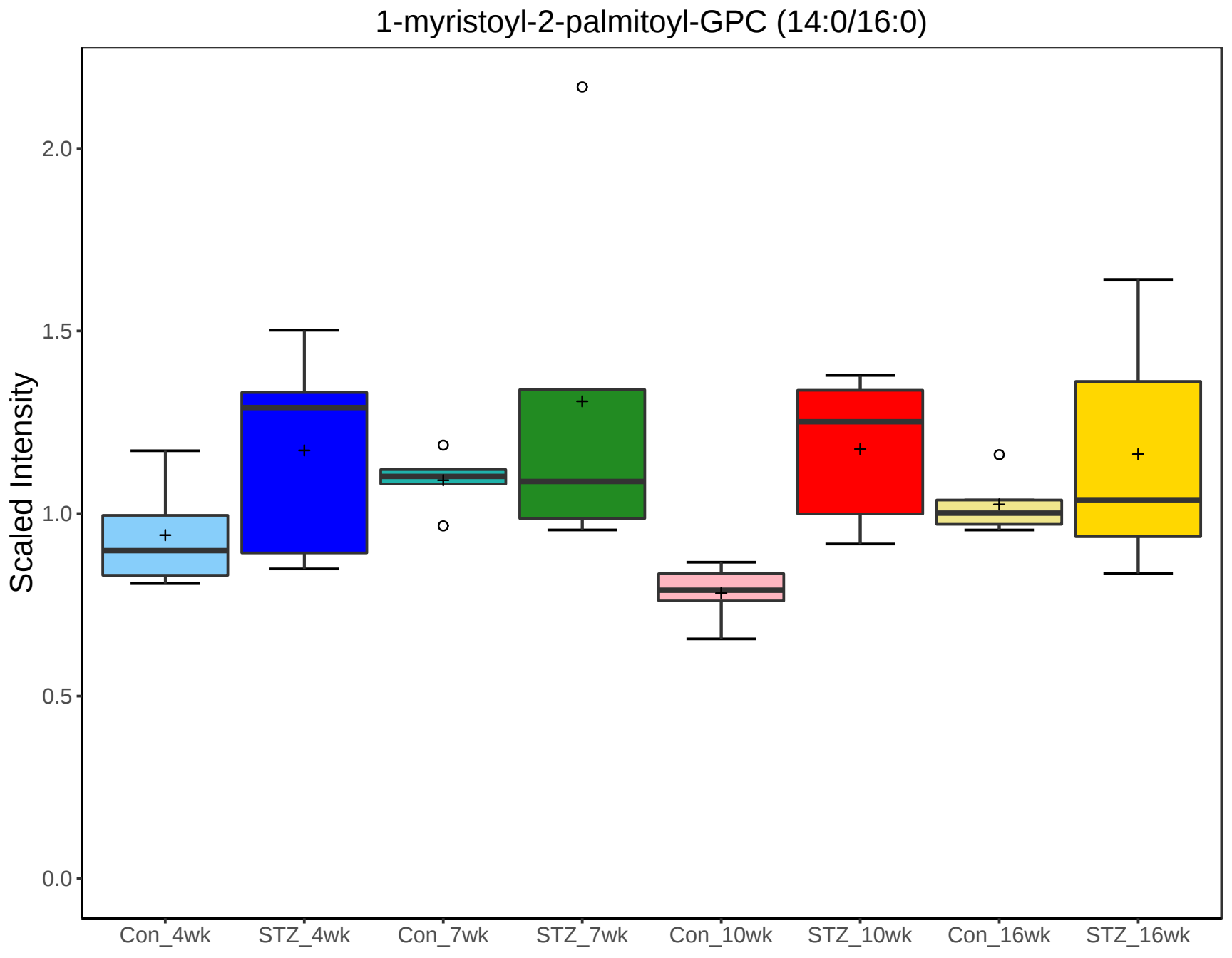

phosphoethanolamine (PE)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

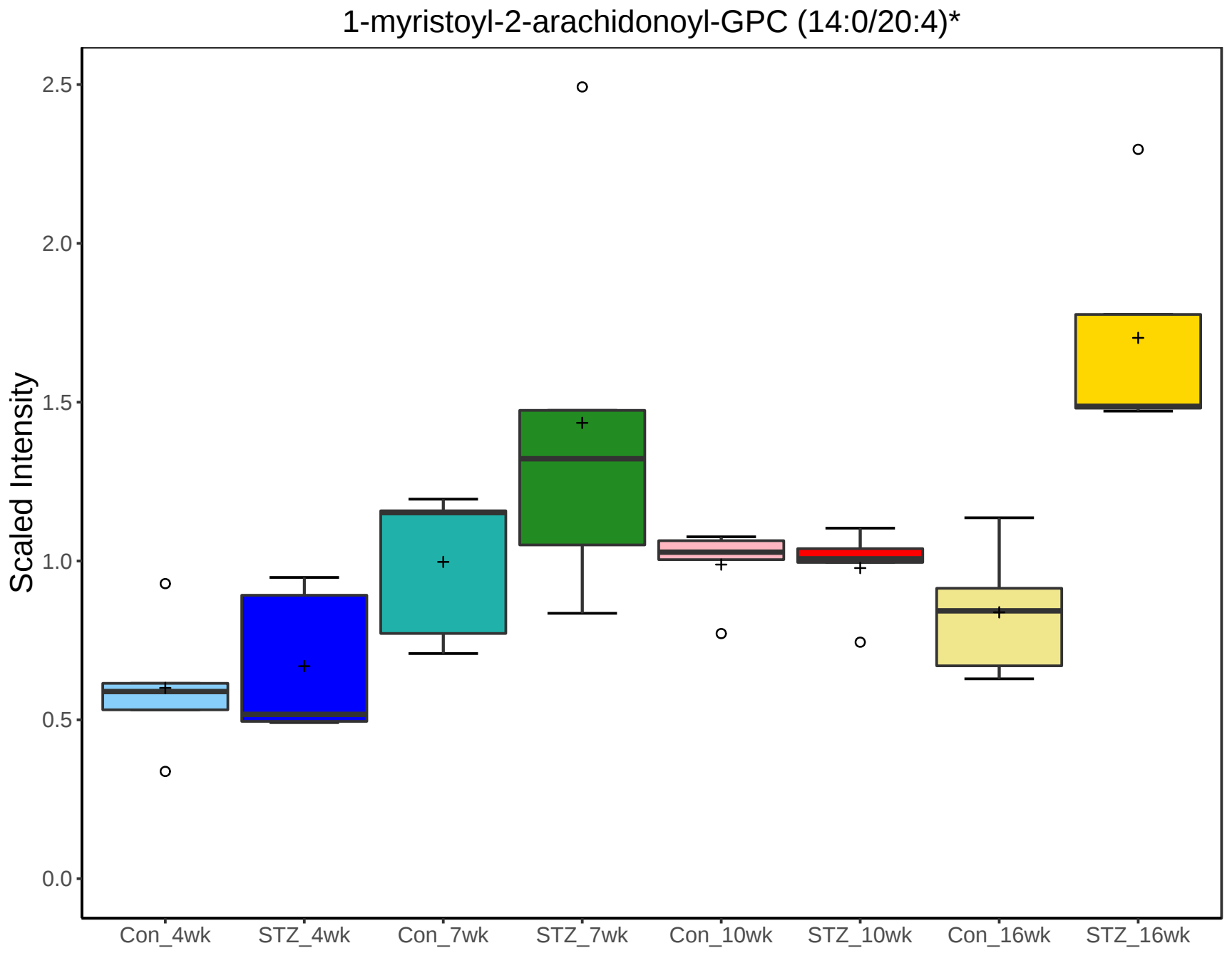

glycerophosphoethanolamine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

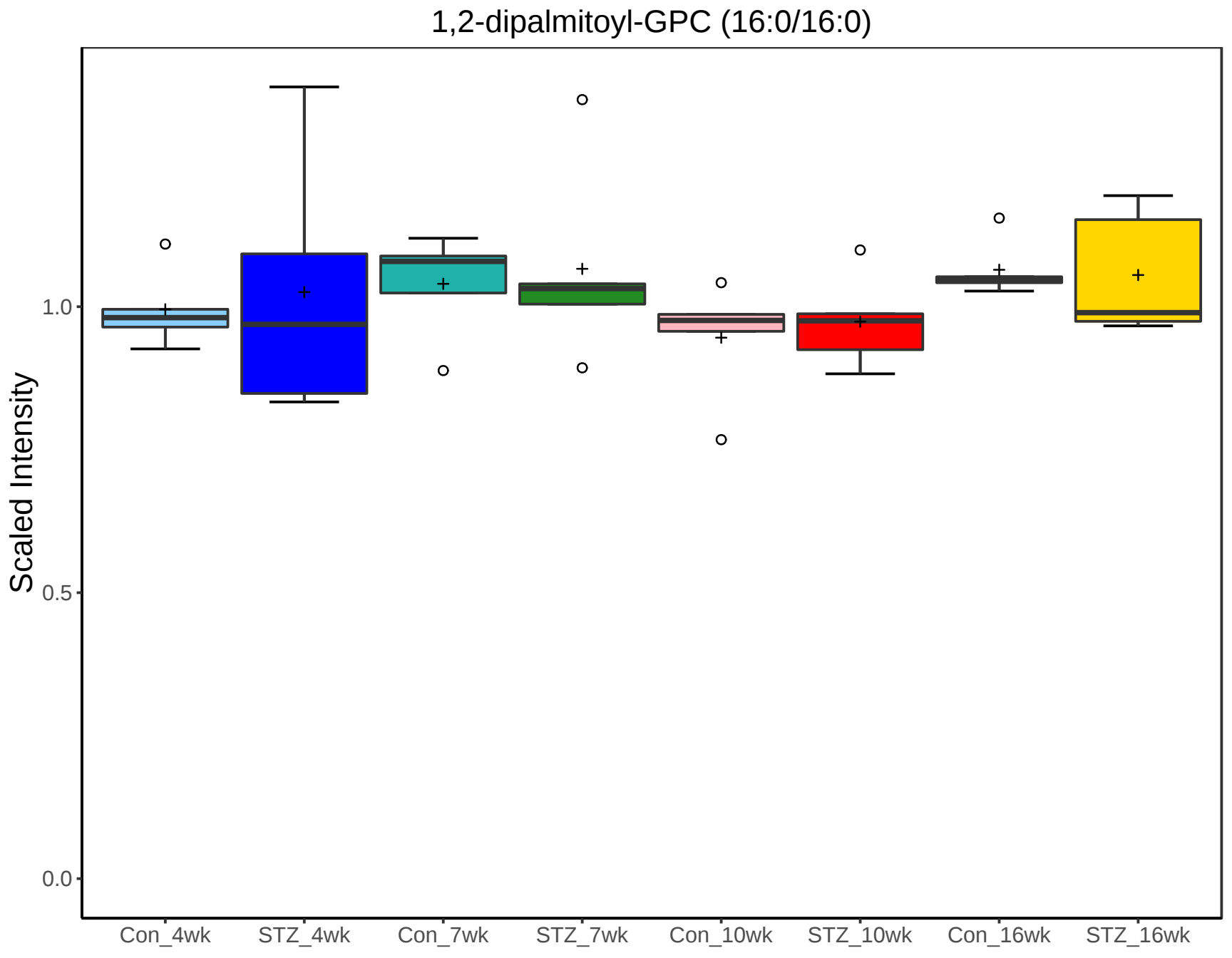

glycerophosphoserine*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

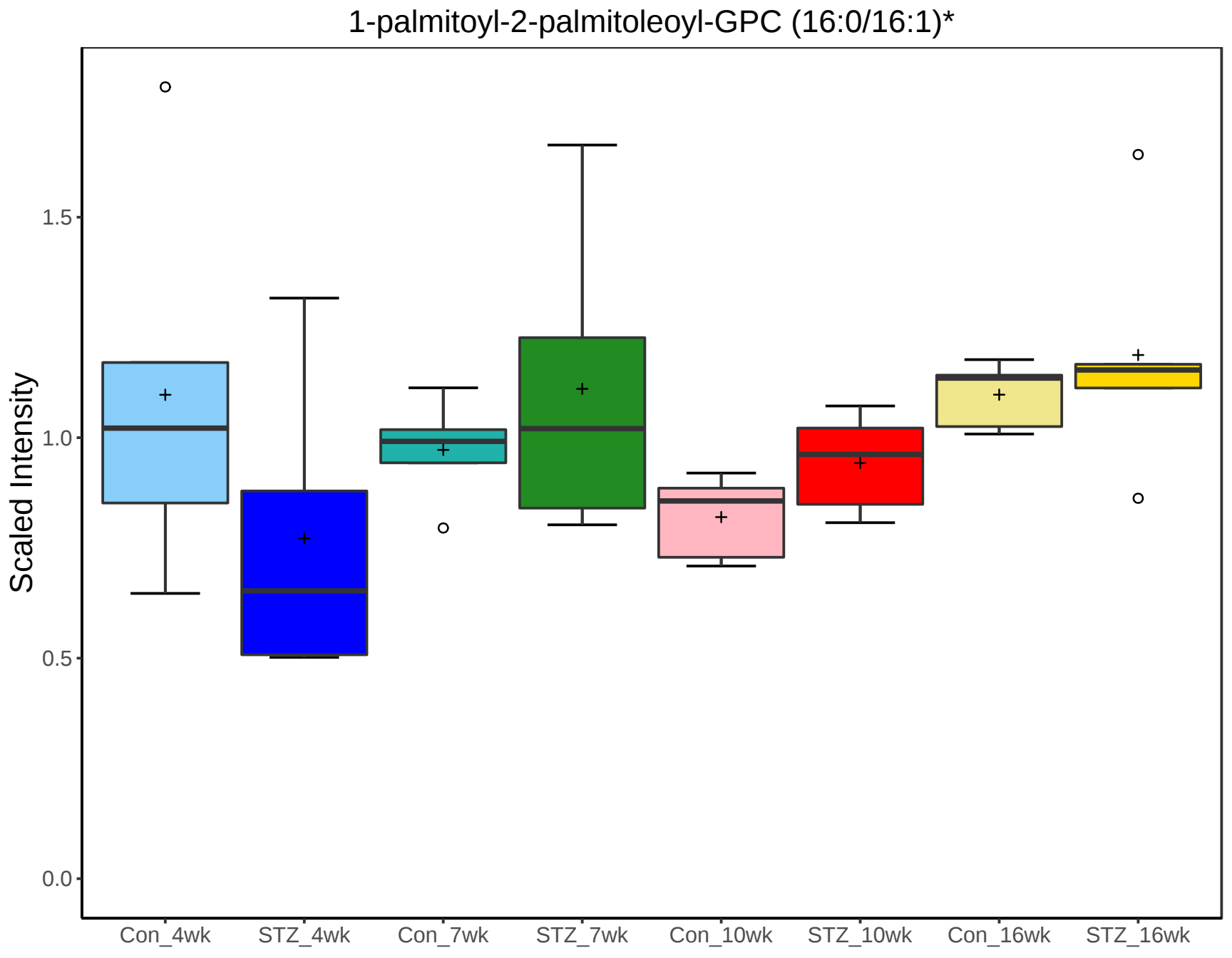

glycerophosphoinositol*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

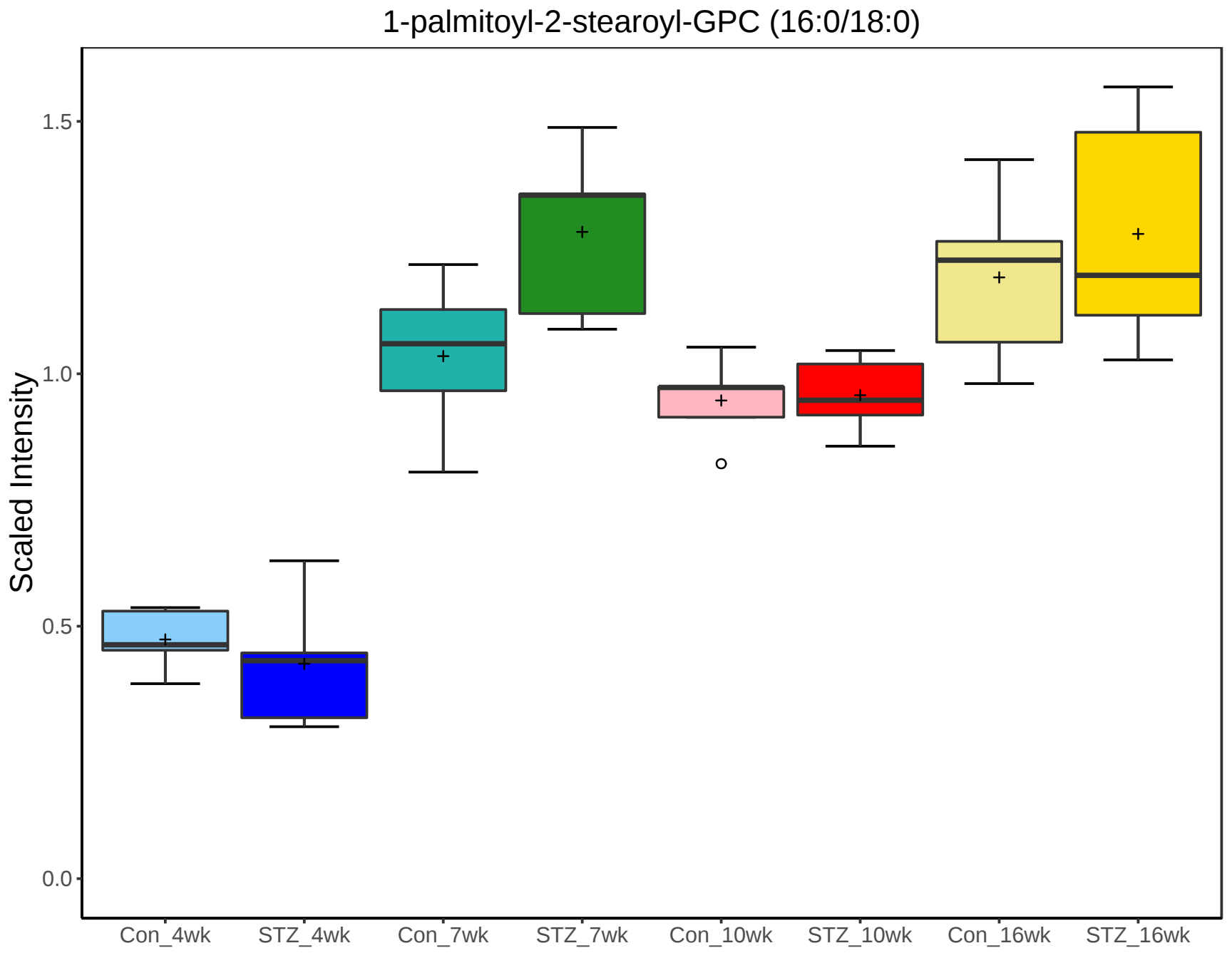

trimethylamine N-oxide
Scaled Intensity
20.0
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

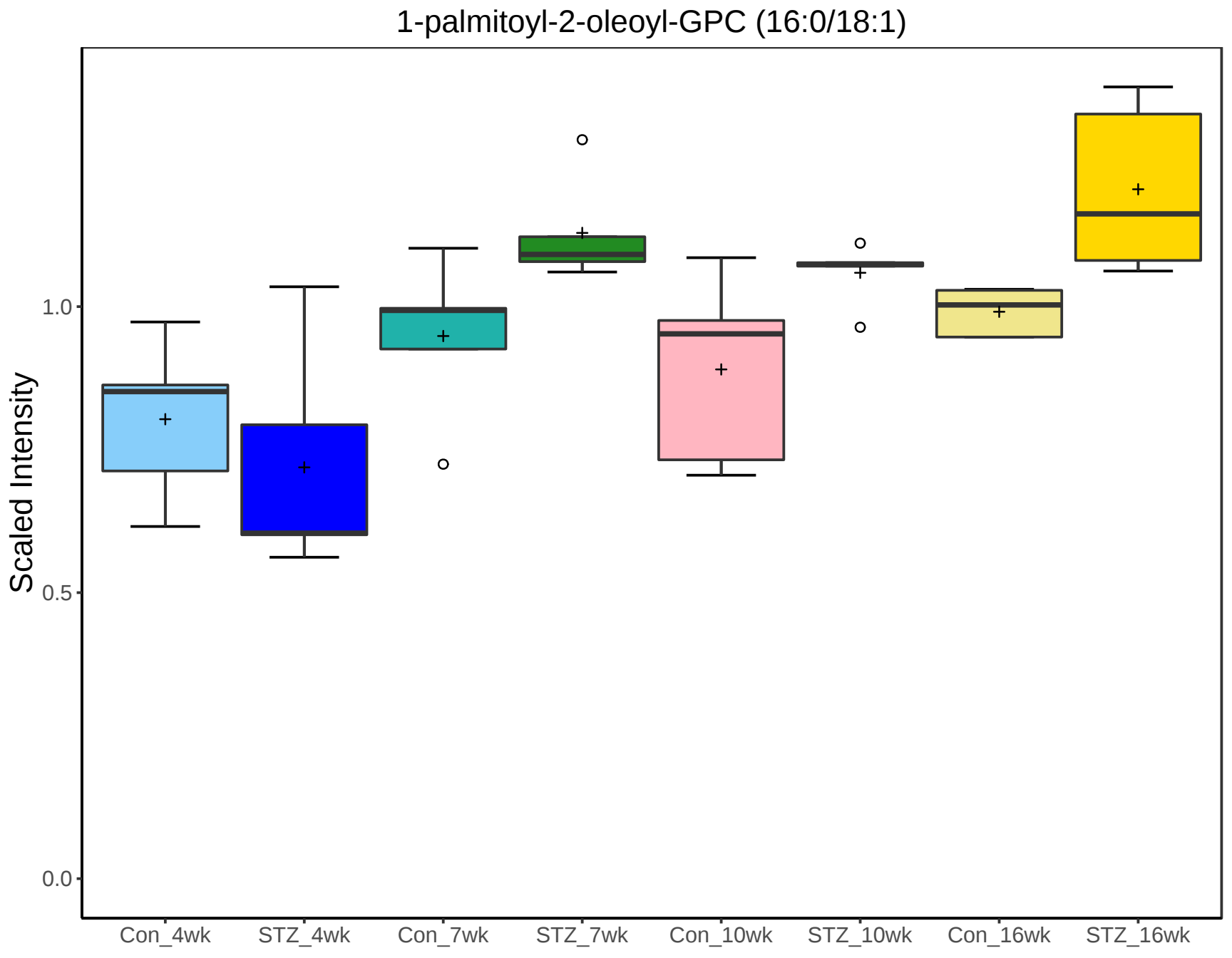

1-myristoyl-2-palmitoyl-GPC (14:0/16:0)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

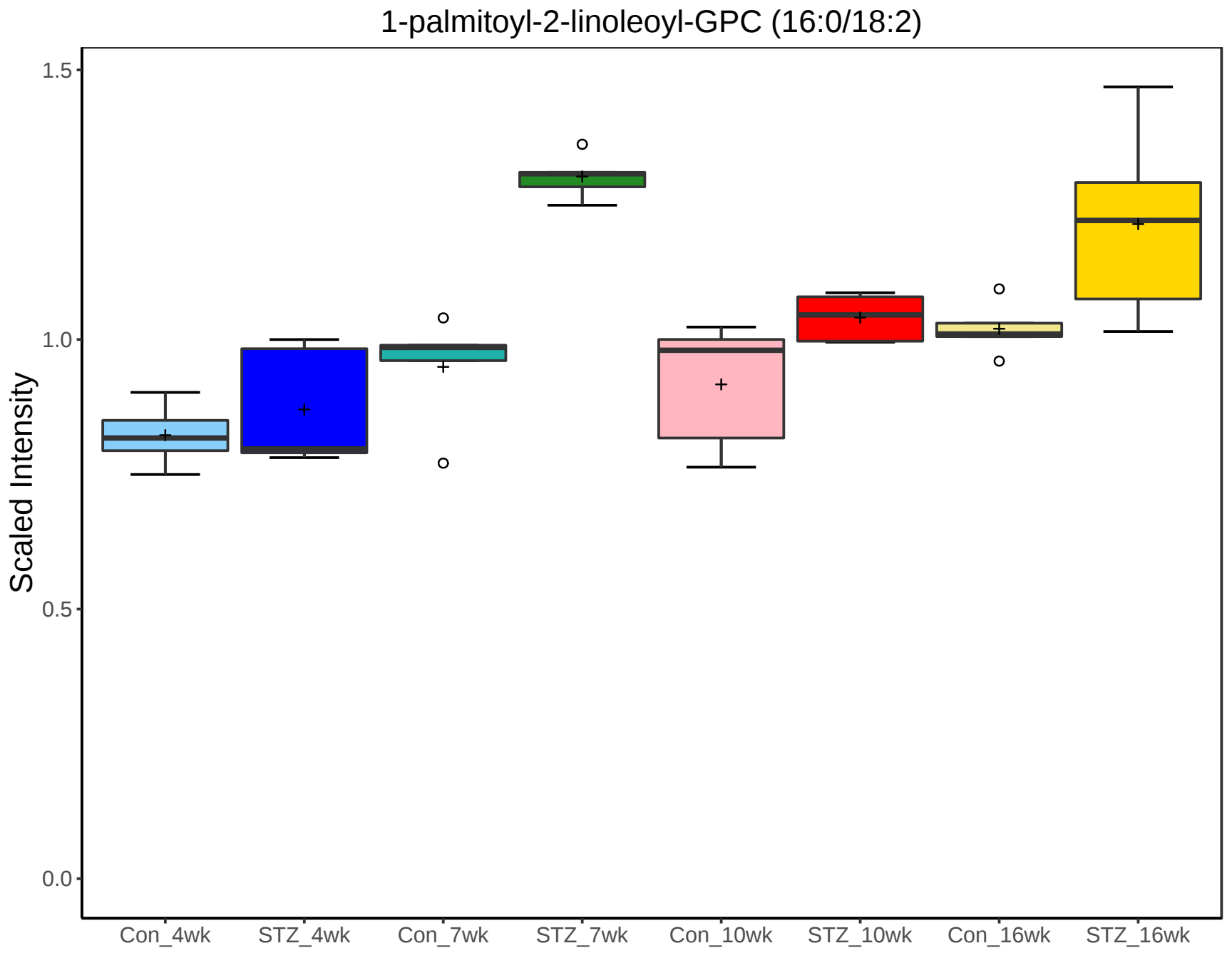

1-myristoyl-2-arachidonoyl-GPC (14:0/20:4)*
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

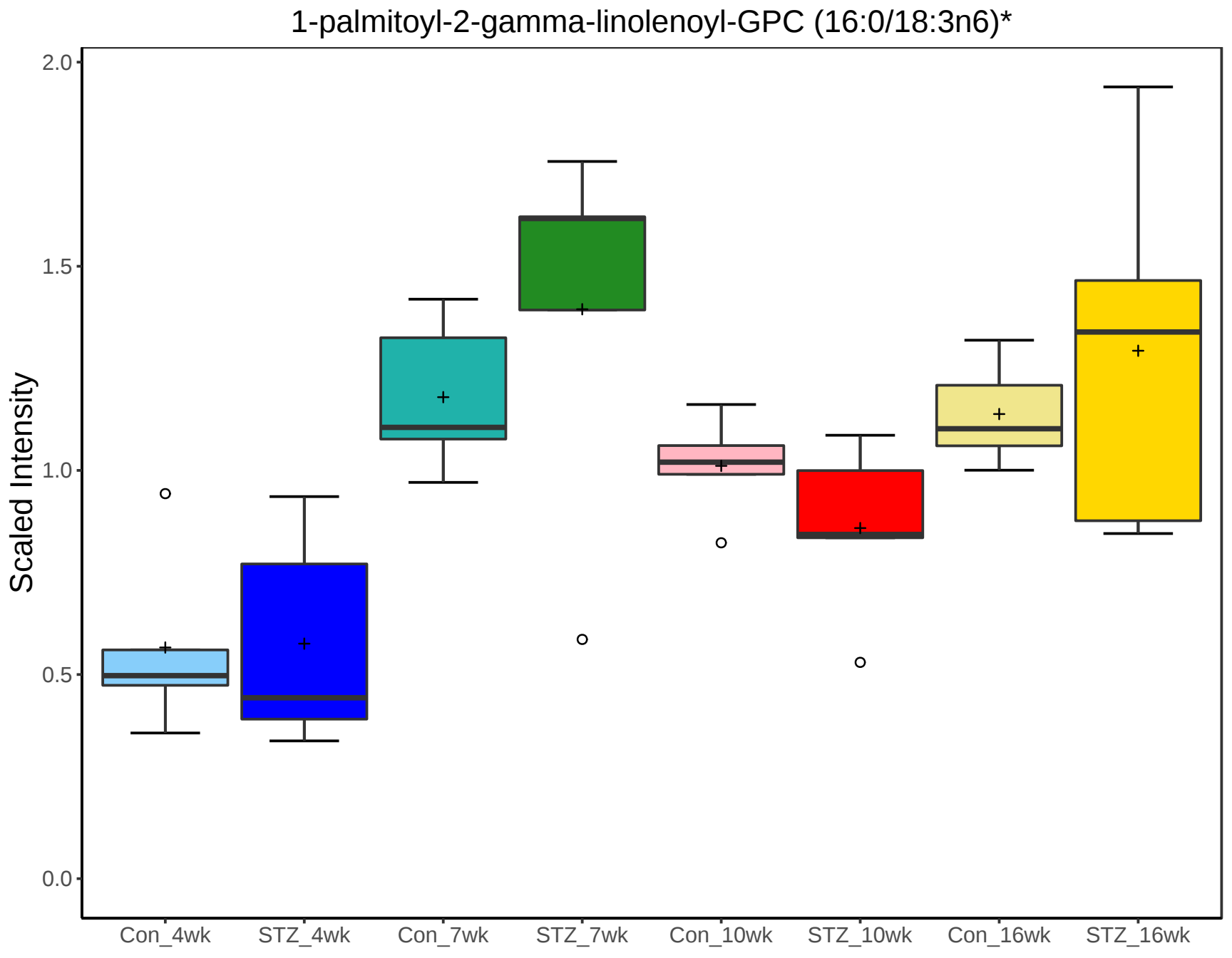

1,2-dipalmitoyl-GPC (16:0/16:0)
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

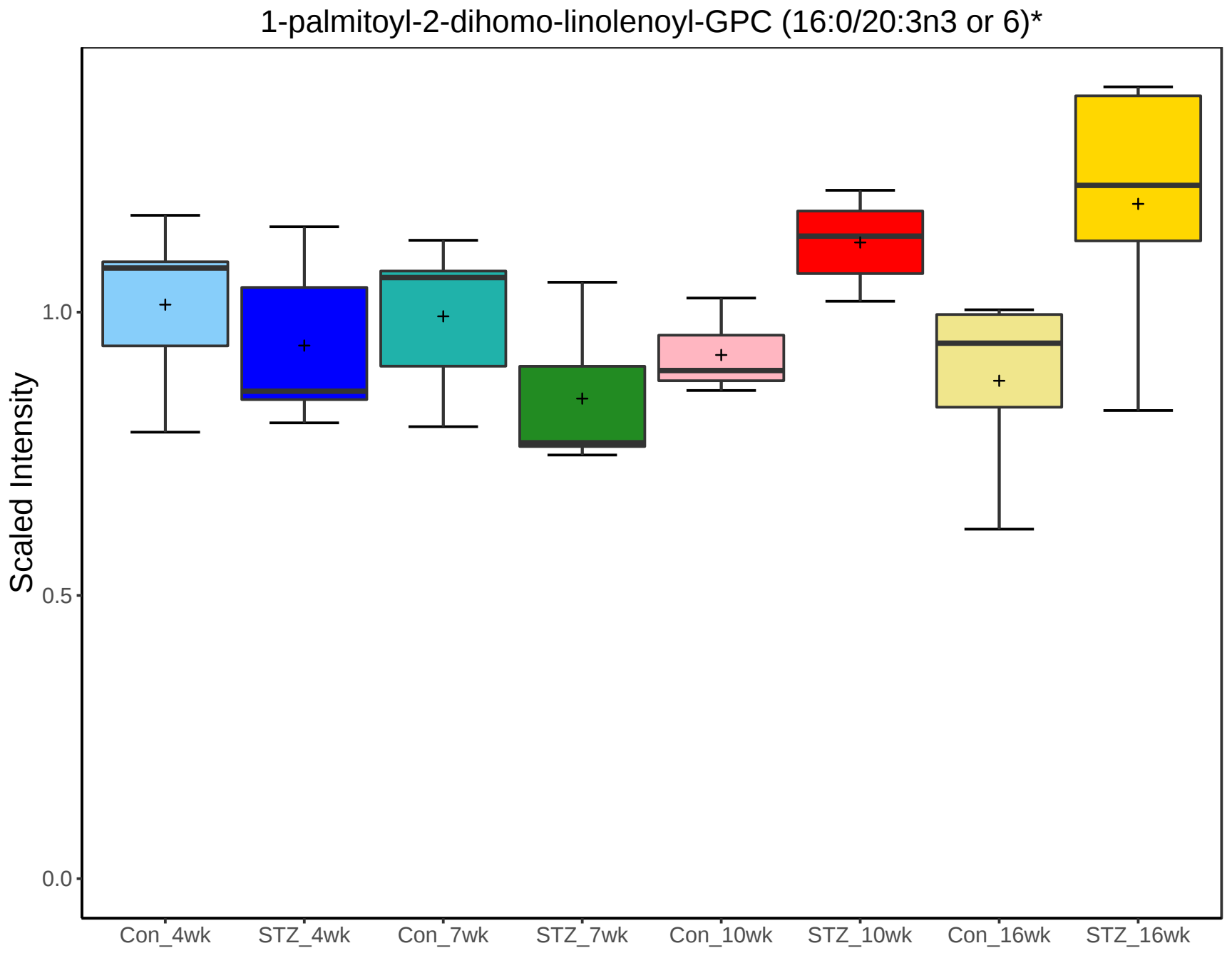

1-palmitoyl-2-palmitoleoyl-GPC (16:0/16:1)*
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

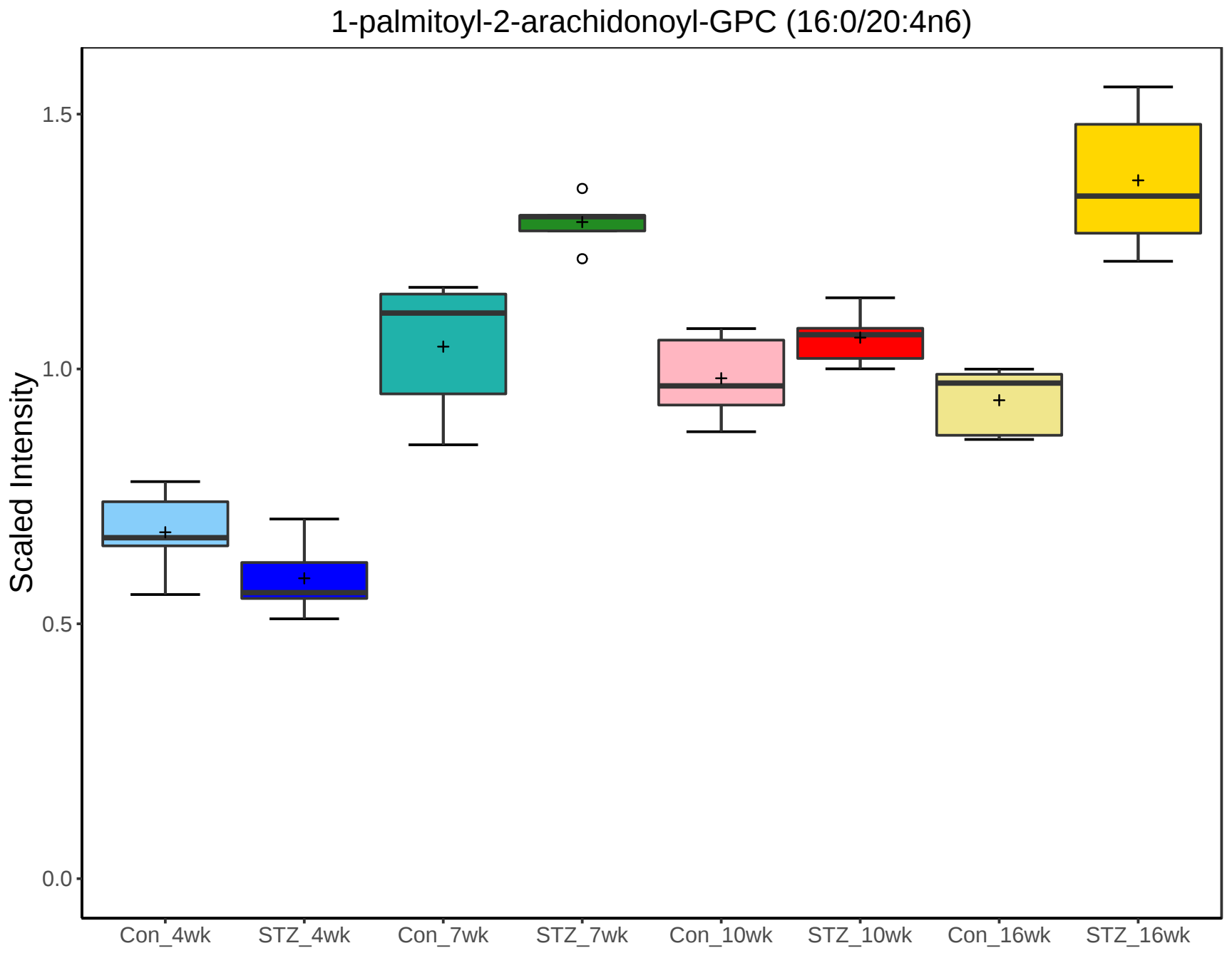

1-palmitoyl-2-stearoyl-GPC (16:0/18:0)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

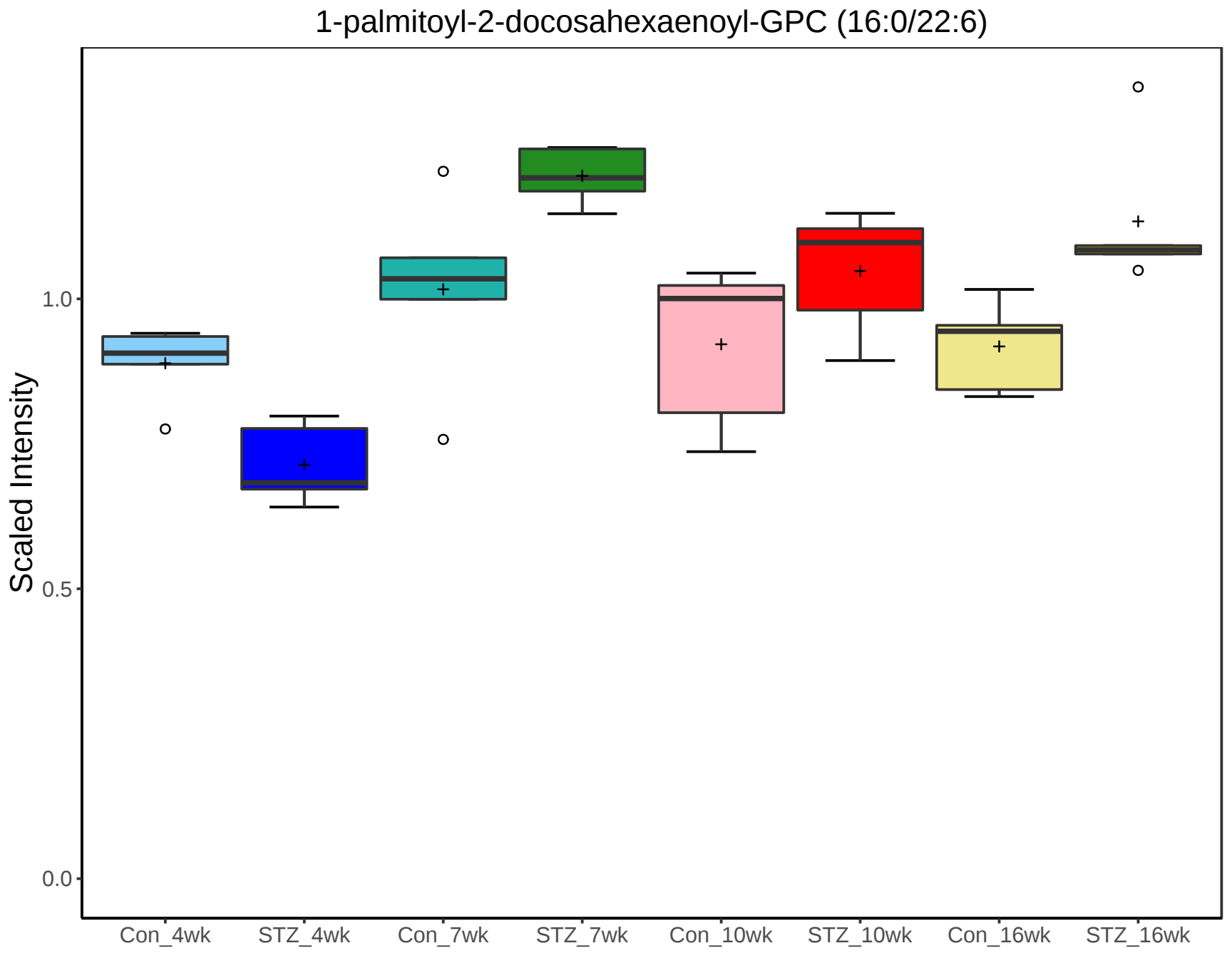

1-palmitoyl-2-oleoyl-GPC (16:0/18:1)
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

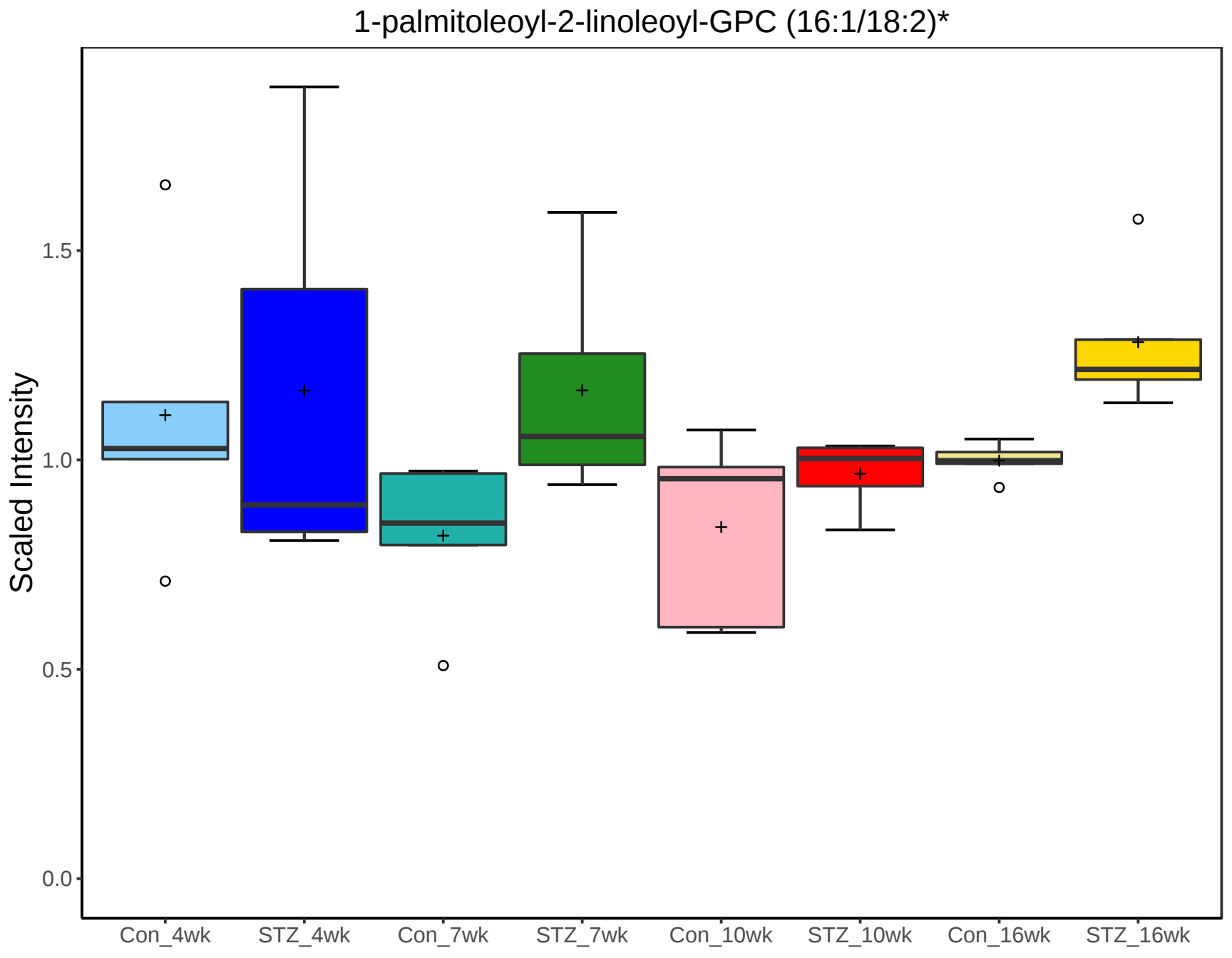

1-palmitoyl-2-linoleoyl-GPC (16:0/18:2)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

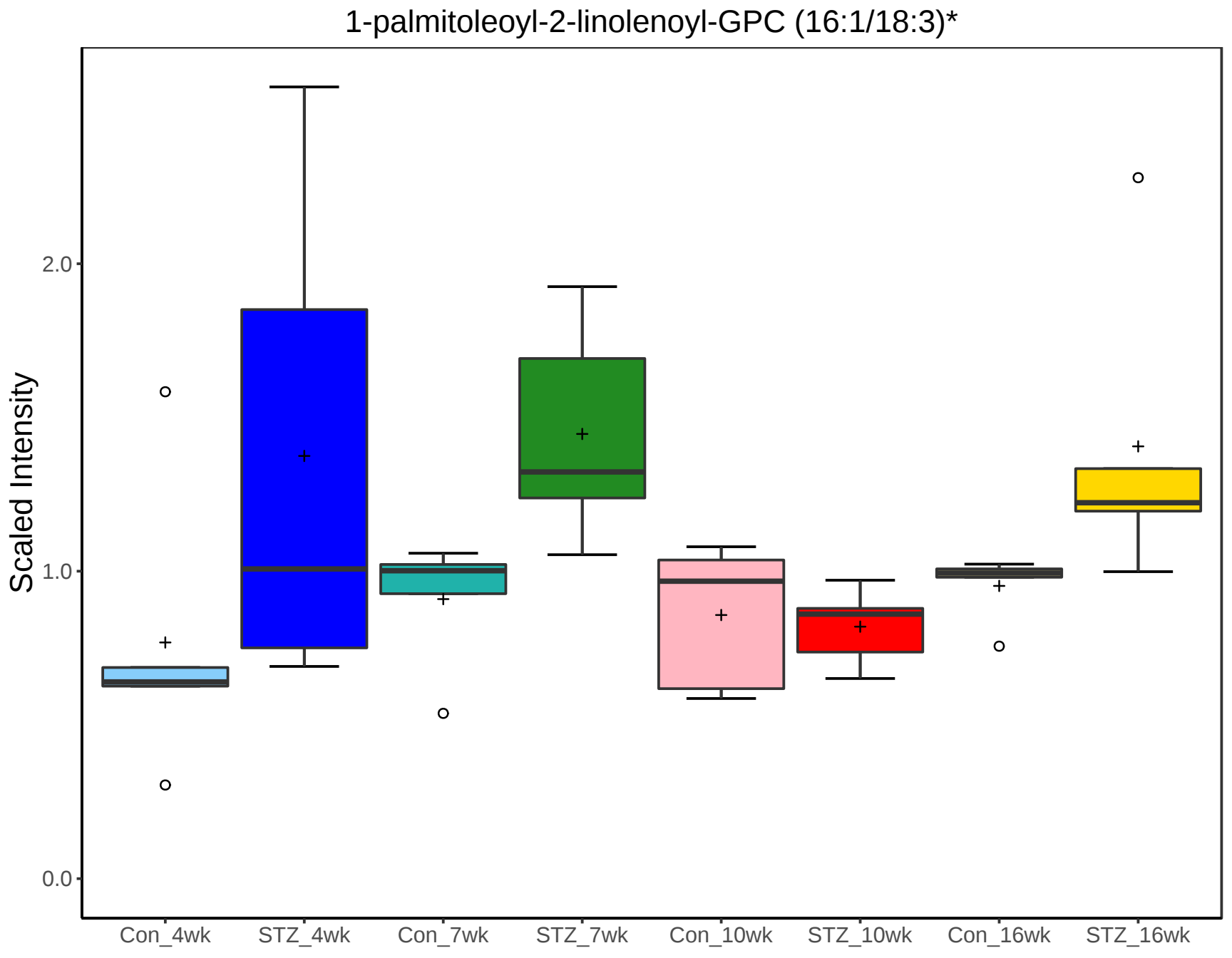

1-palmitoyl-2-gamma-linolenoyl-GPC (16:0/18:3n6)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

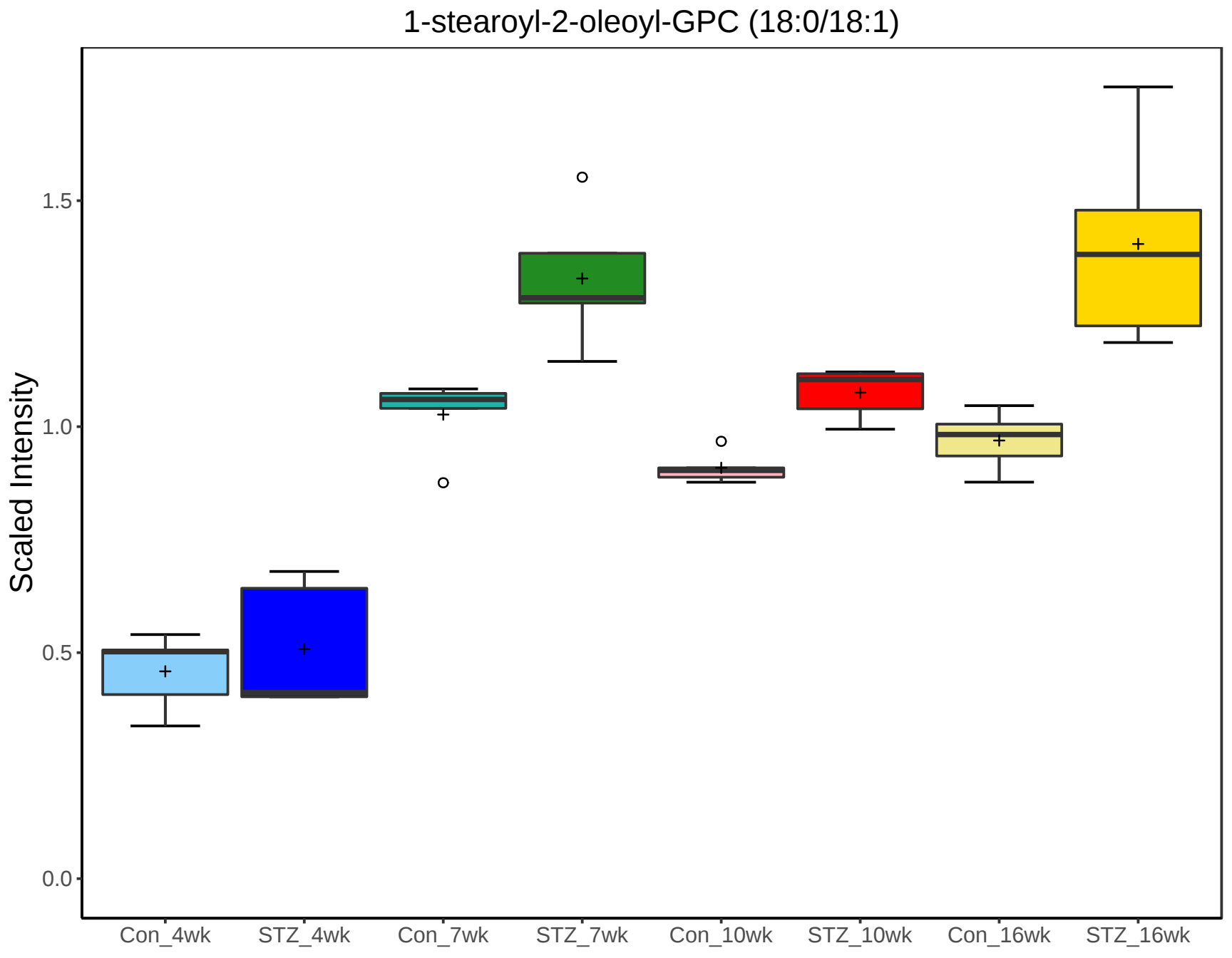

1-palmitoyl-2-dihomo-linolenoyl-GPC (16:0/20:3n3 or 6)*
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

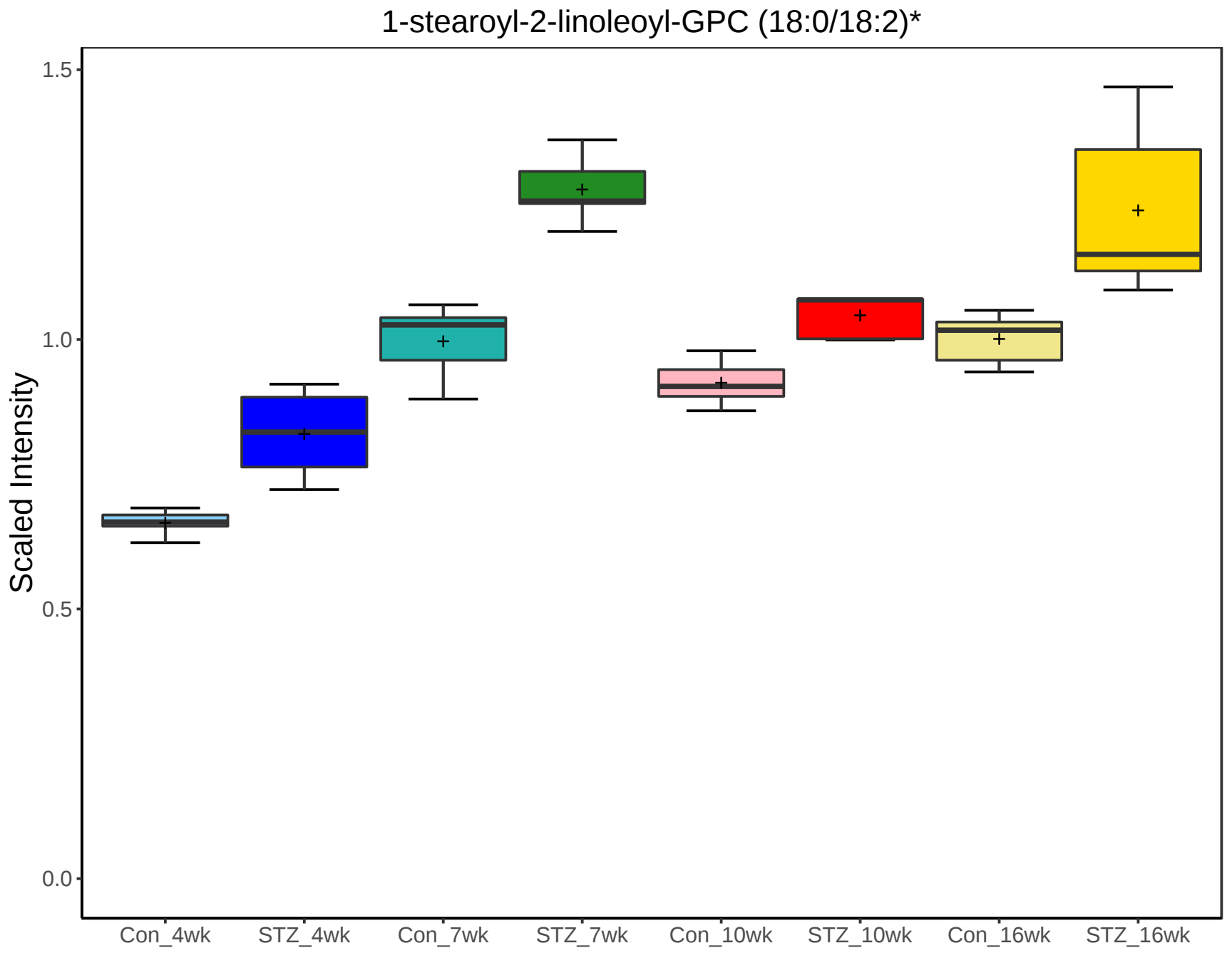

1-palmitoyl-2-arachidonoyl-GPC (16:0/20:4n6)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

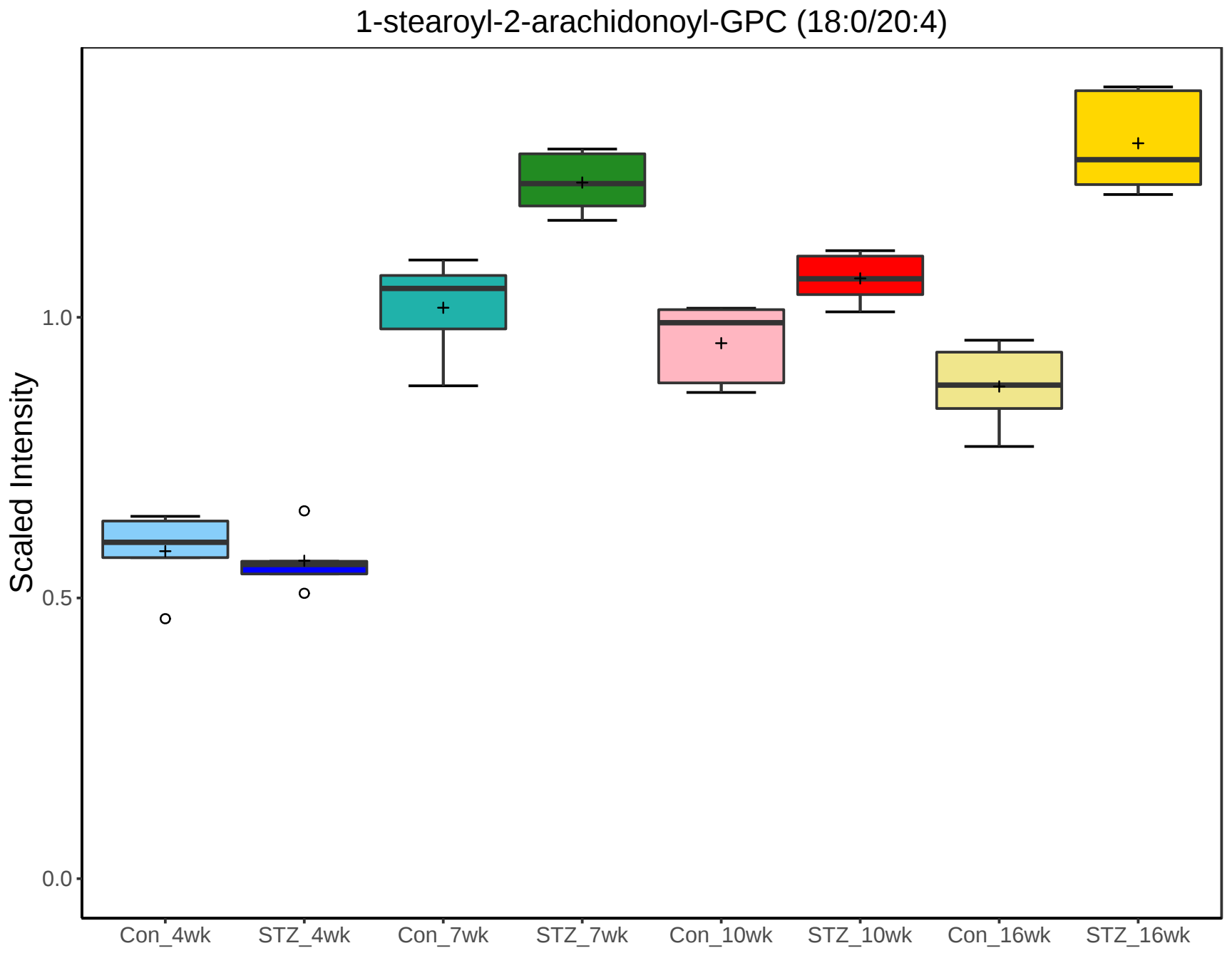

1-palmitoyl-2-docosahexaenoyl-GPC (16:0/22:6)
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

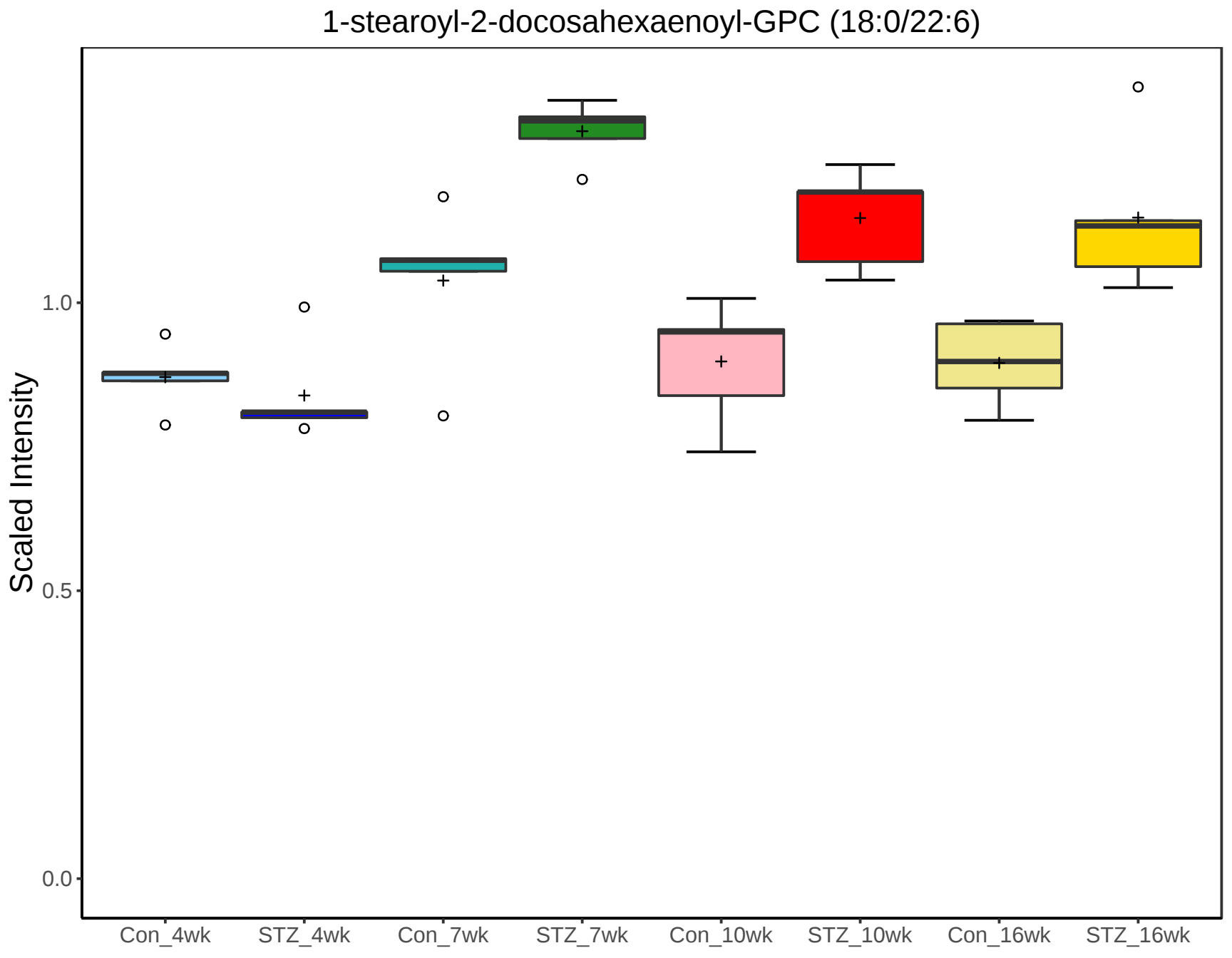

1-palmitoleoyl-2-linoleoyl-GPC (16:1/18:2)*
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

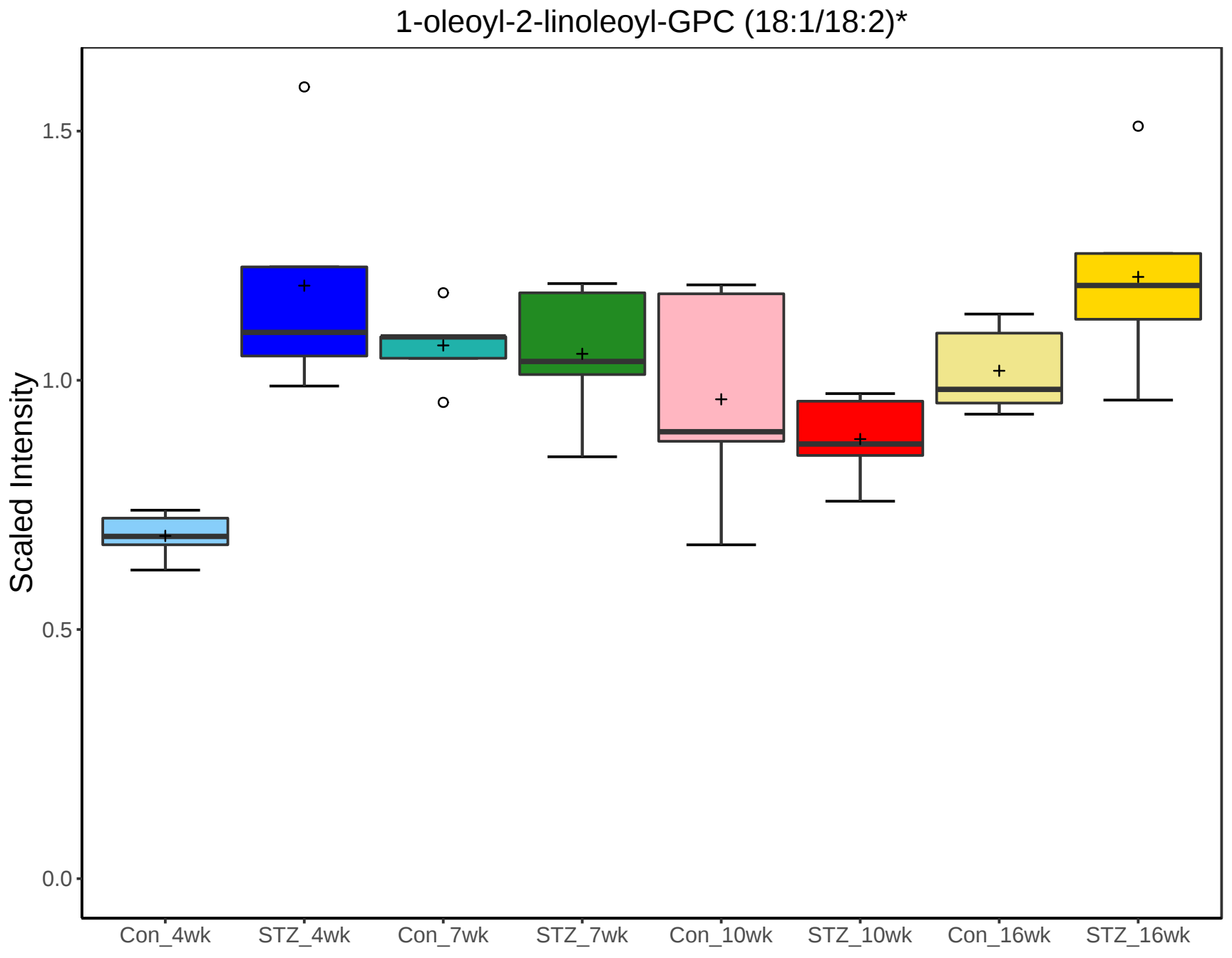

1-palmitoleoyl-2-linolenoyl-GPC (16:1/18:3)*
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

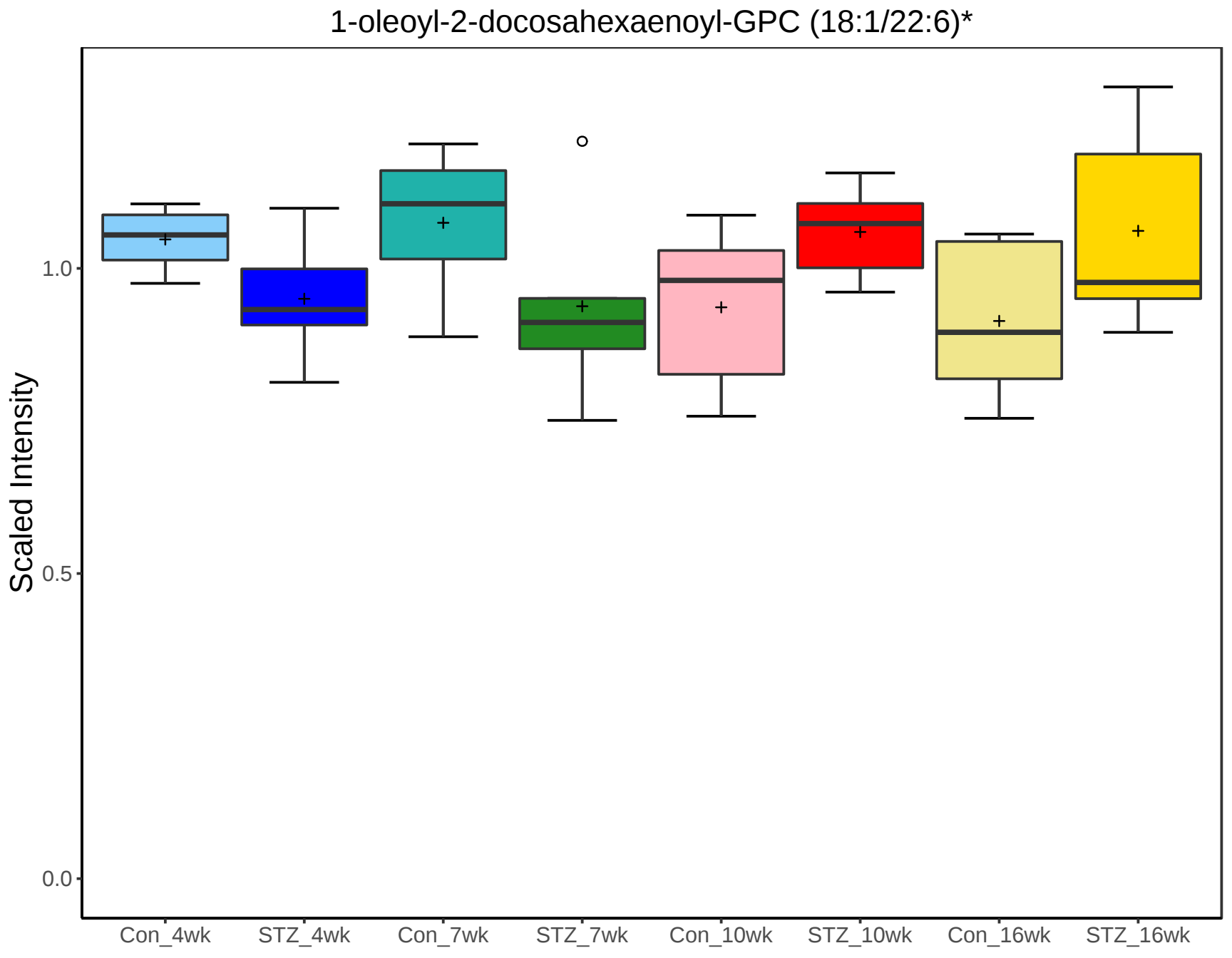

1-stearoyl-2-oleoyl-GPC (18:0/18:1)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

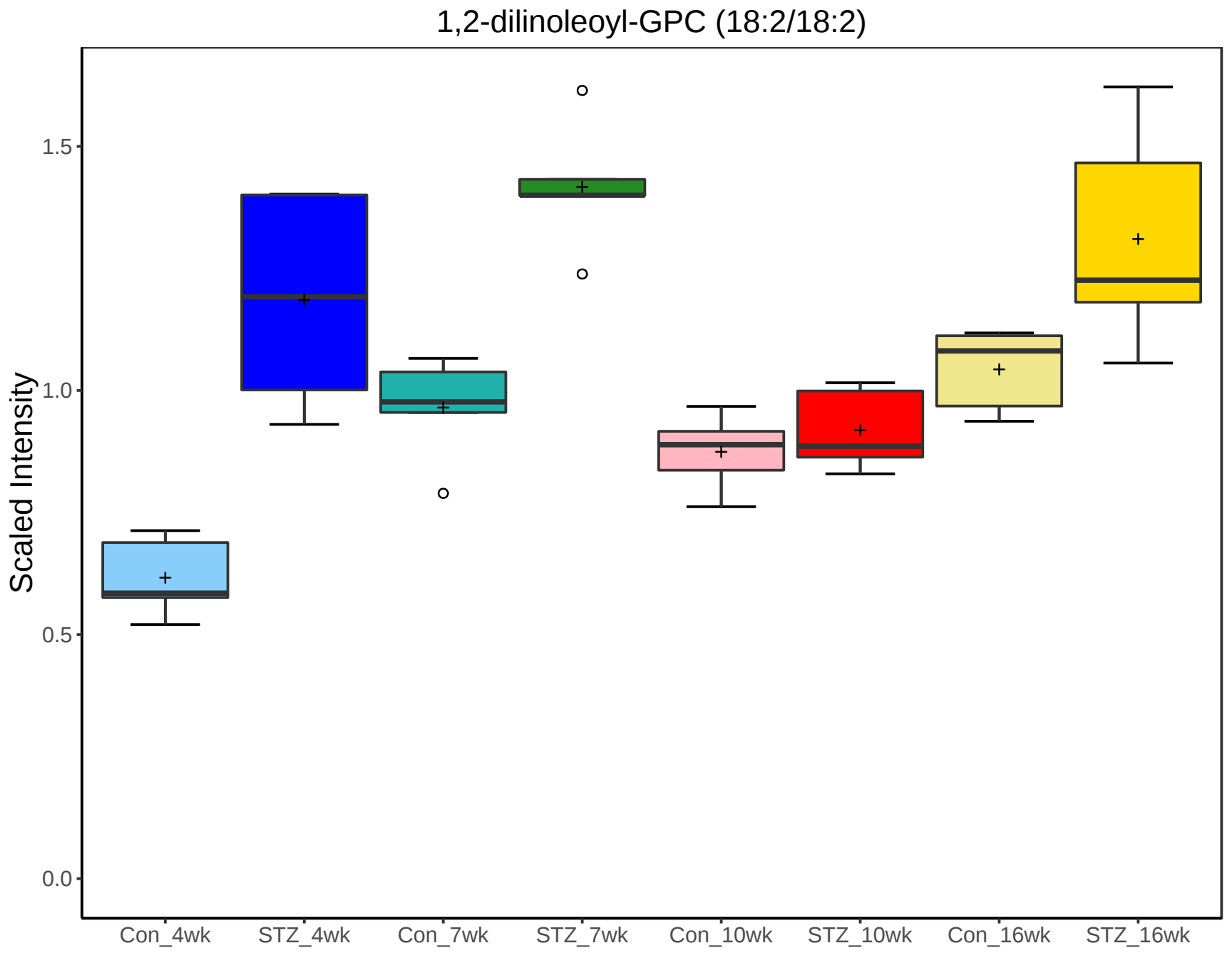

1-stearoyl-2-linoleoyl-GPC (18:0/18:2)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

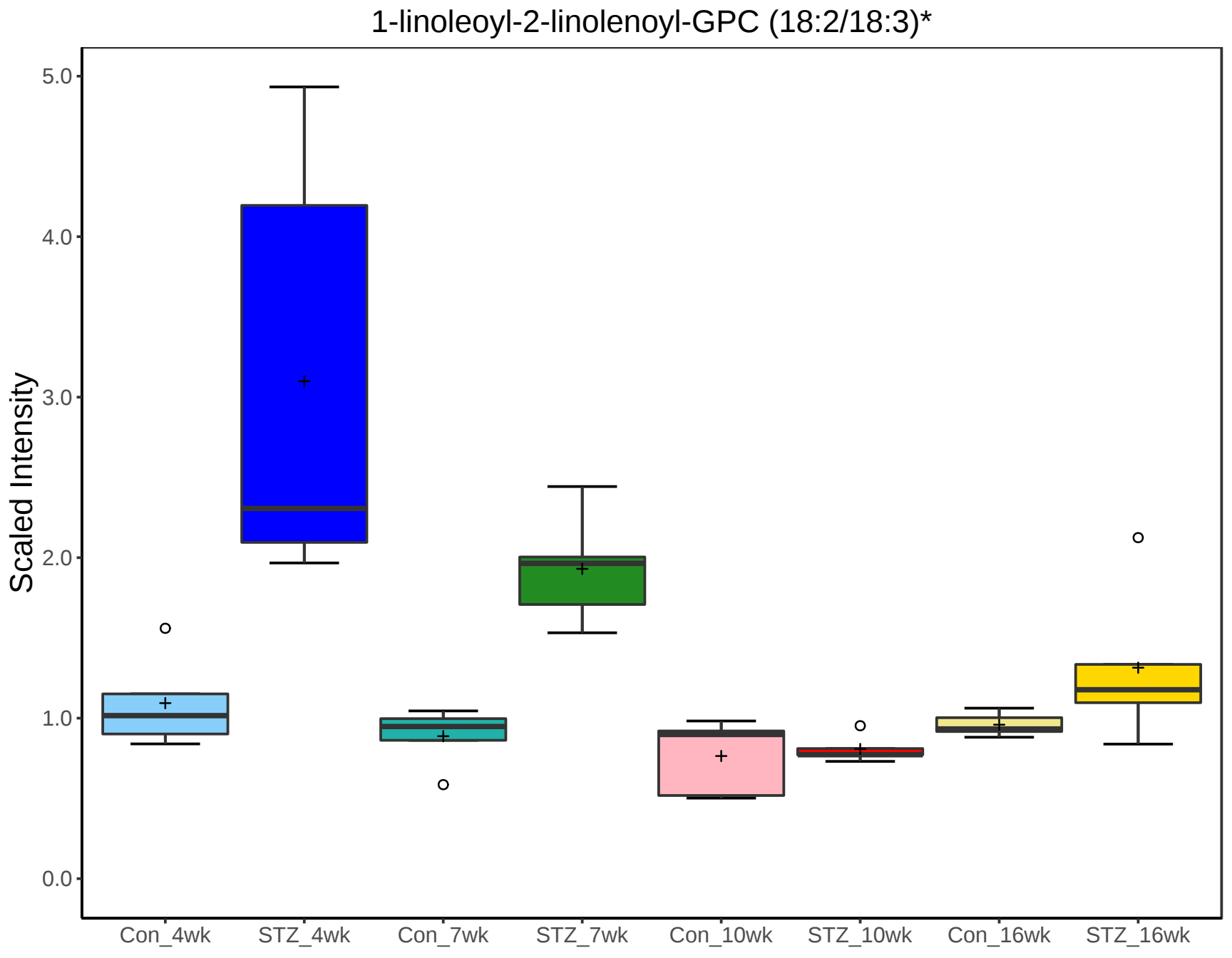

1-stearoyl-2-arachidonoyl-GPC (18:0/20:4)
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

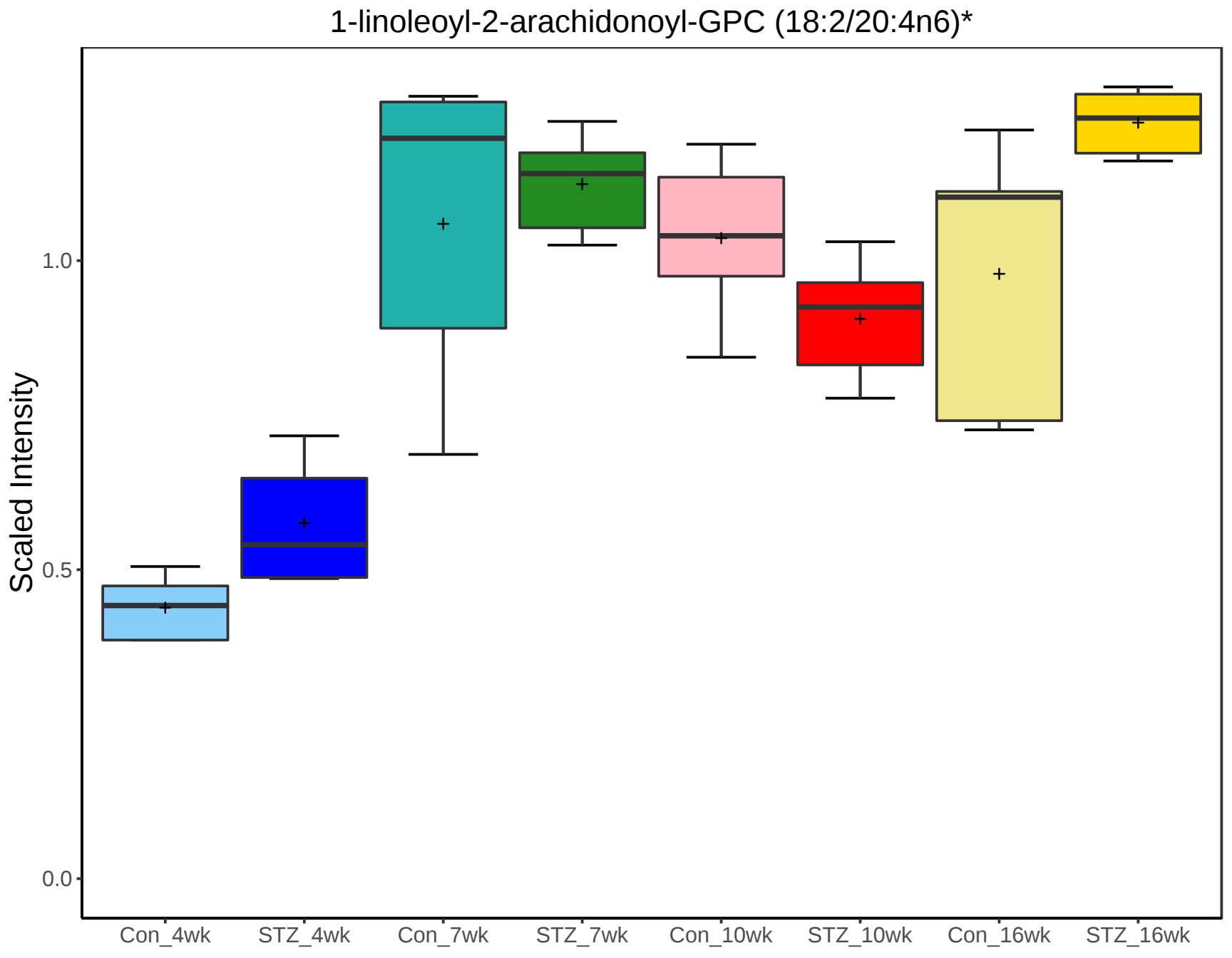

1-stearoyl-2-docosahexaenoyl-GPC (18:0/22:6)
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

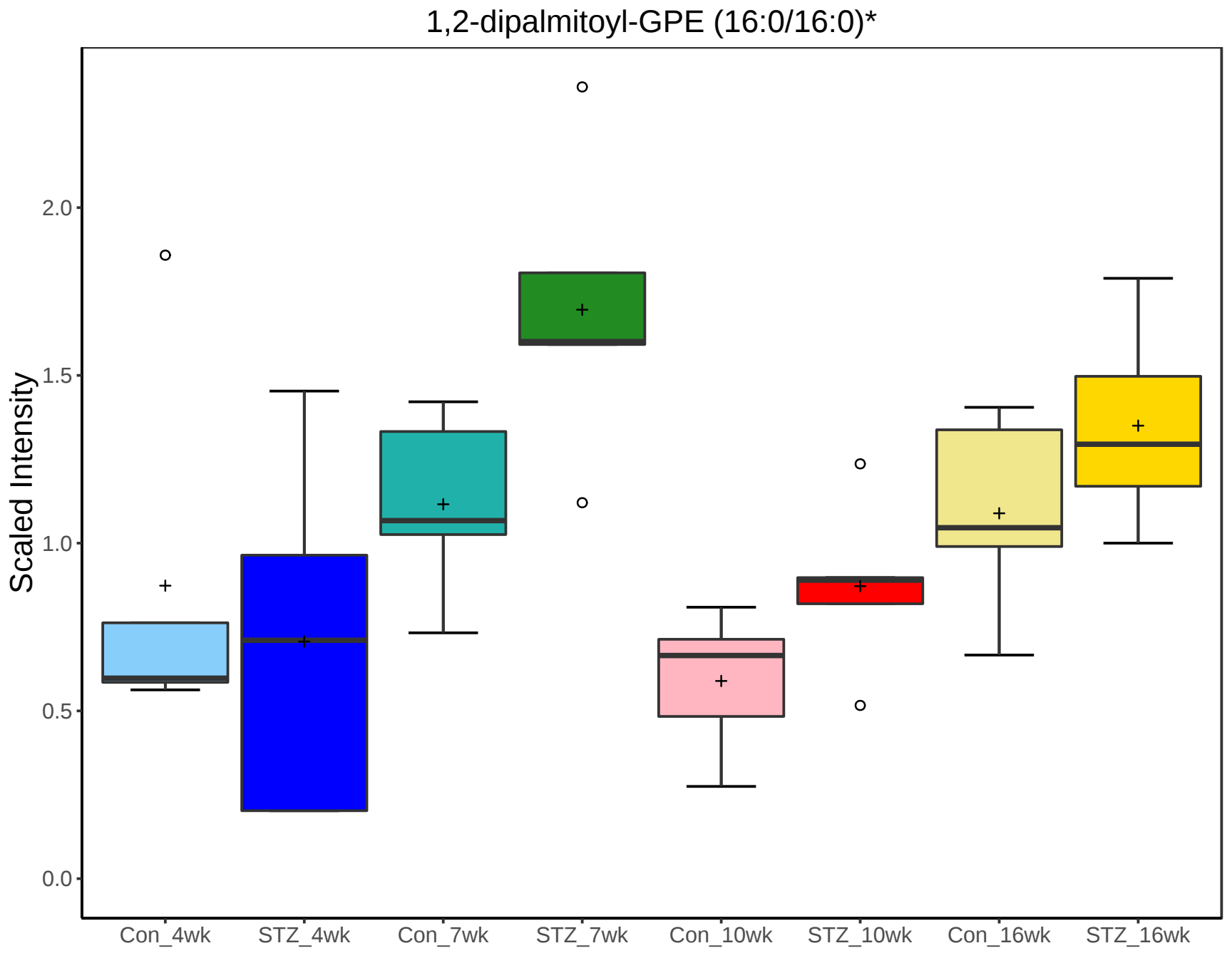

1-oleoyl-2-linoleoyl-GPC (18:1/18:2)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

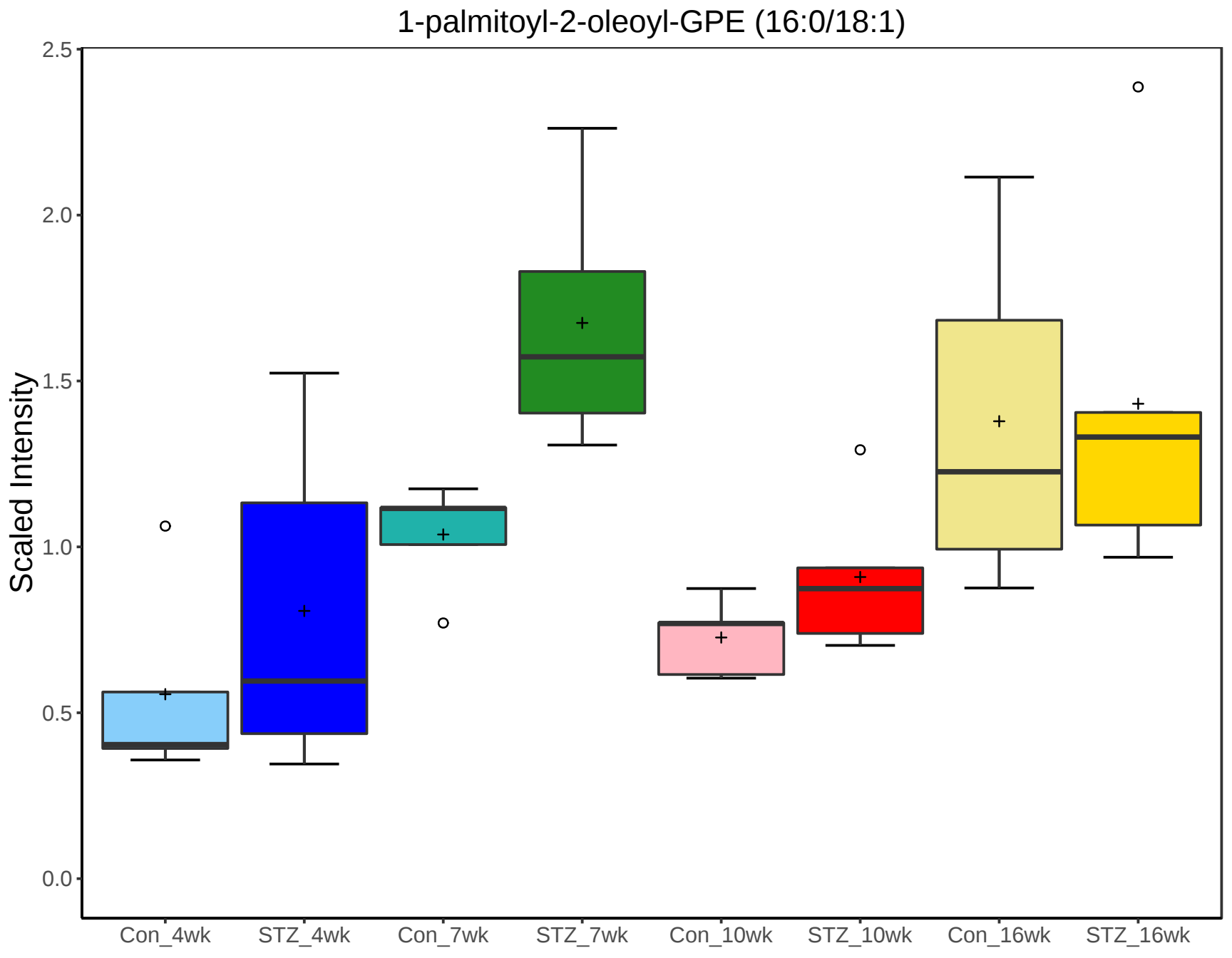

1-oleoyl-2-docosahexaenoyl-GPC (18:1/22:6)*
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

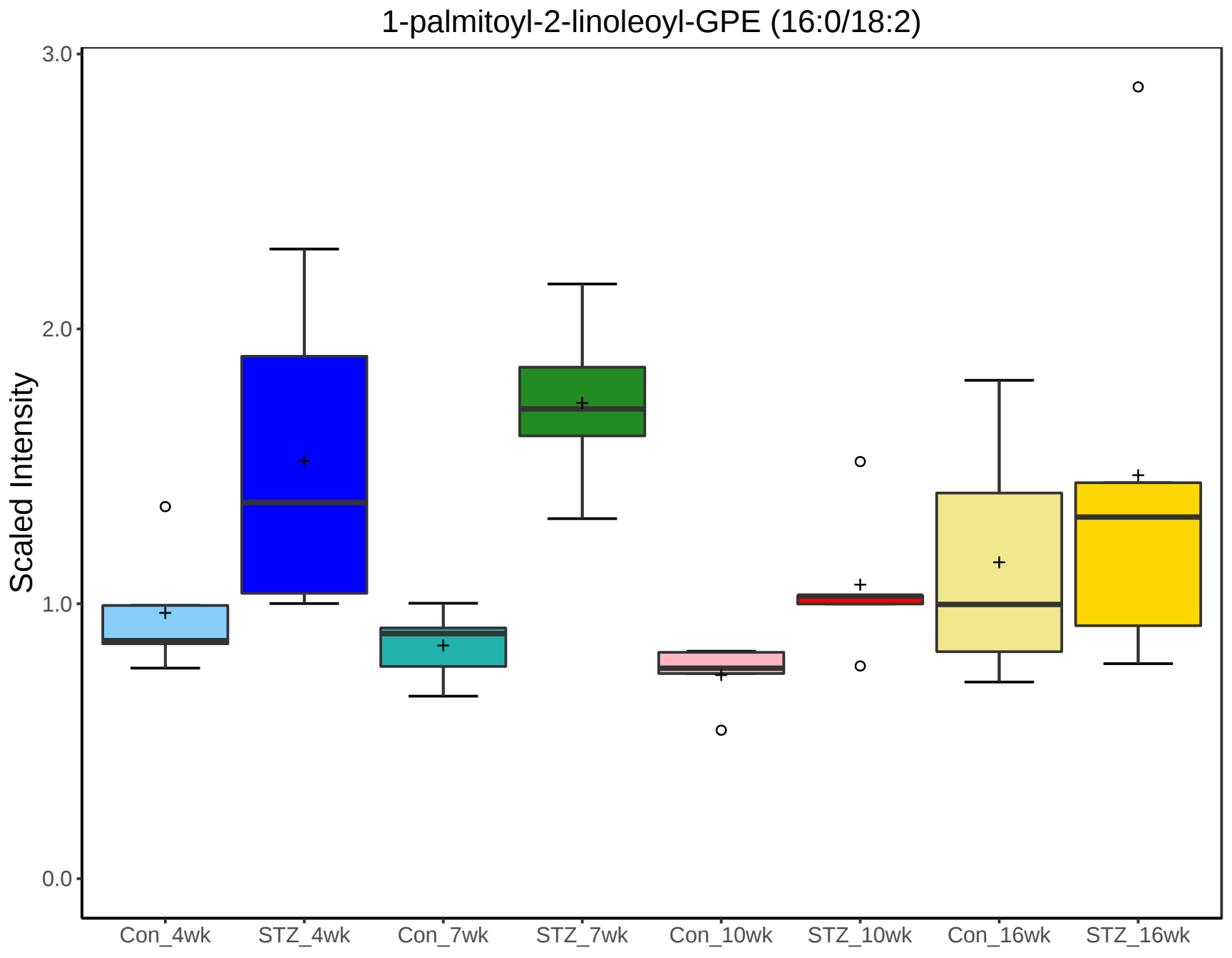

1,2-dilinoleoyl-GPC (18:2/18:2)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

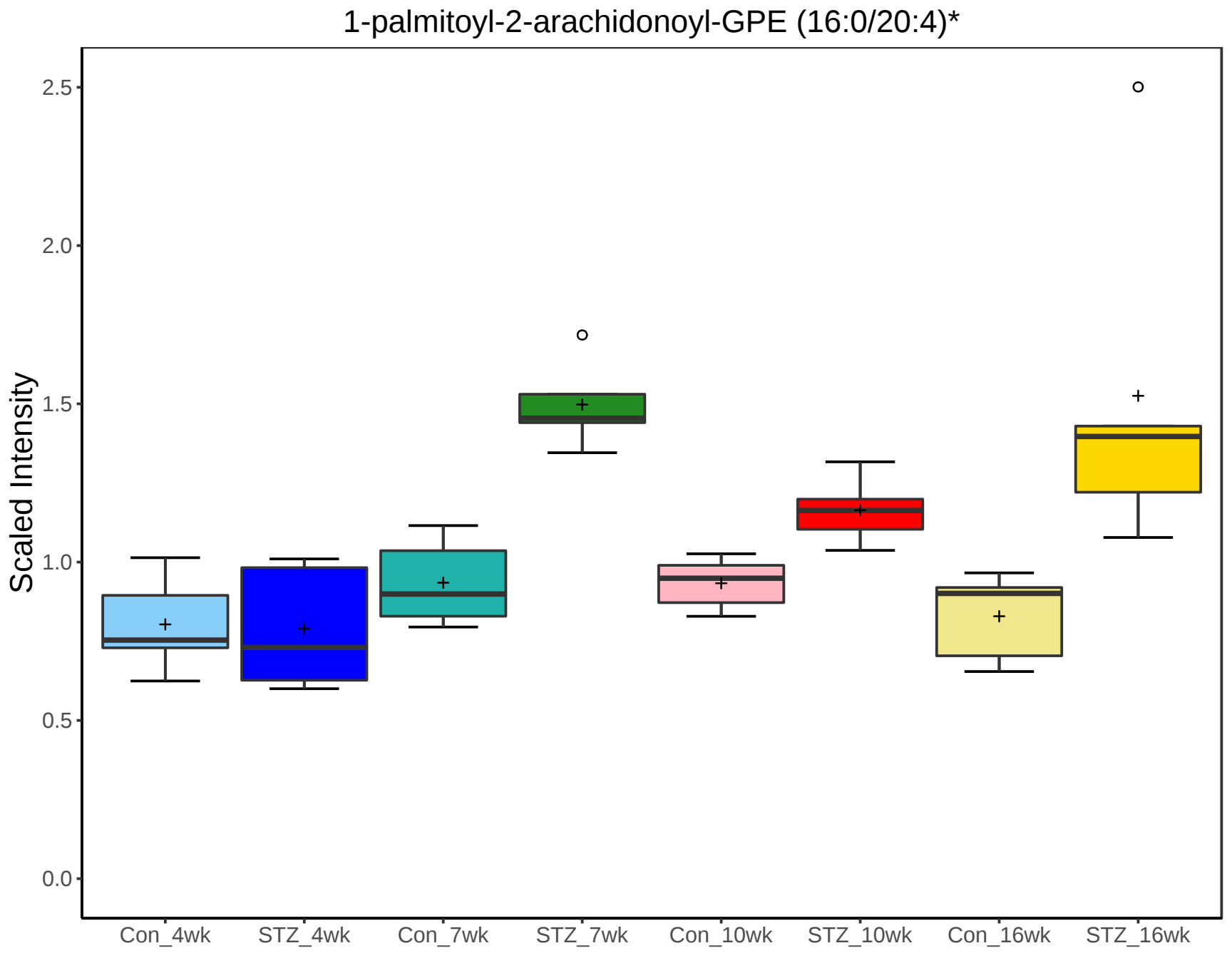

1-linoleoyl-2-linolenoyl-GPC (18:2/18:3)*
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

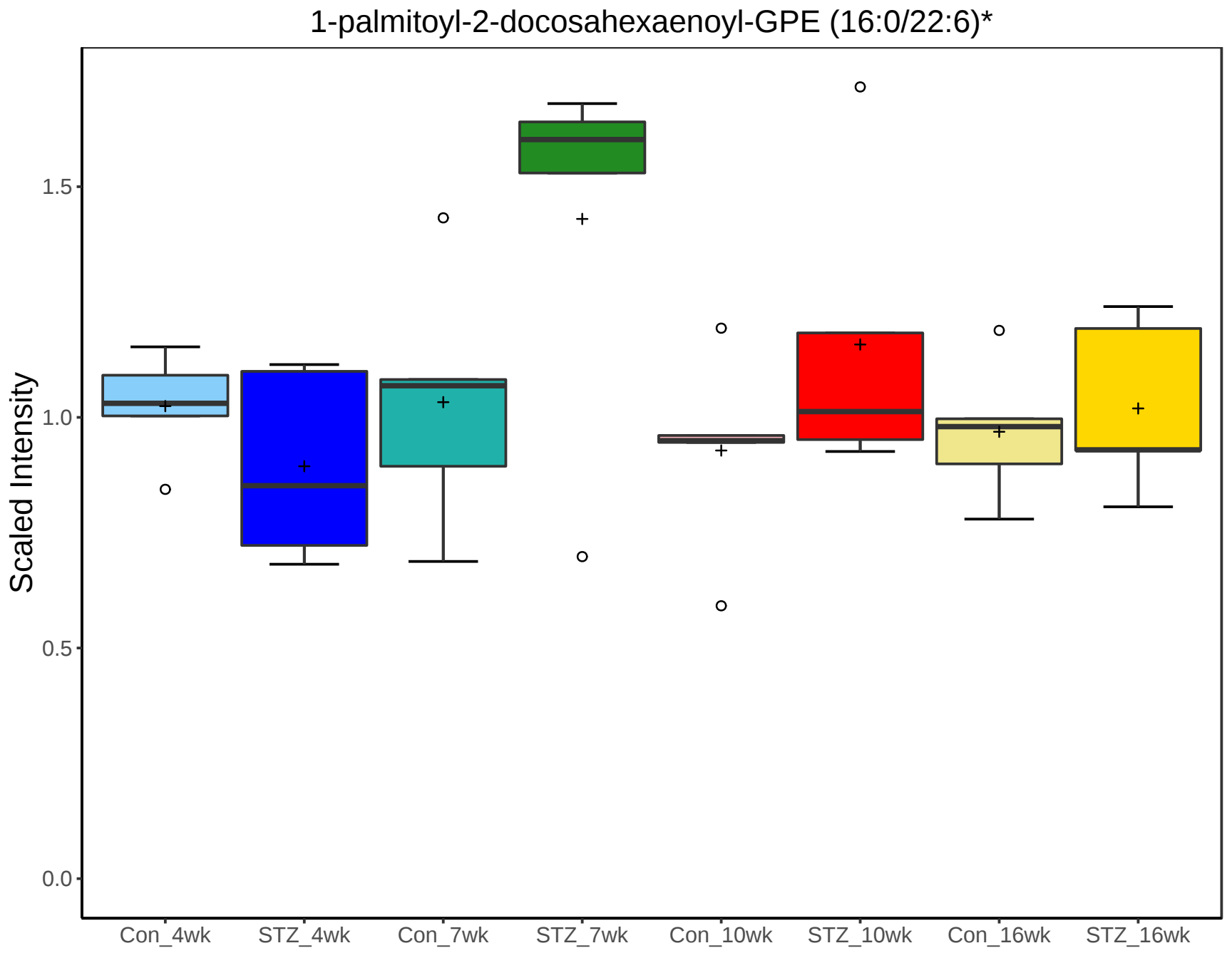

1-linoleoyl-2-arachidonoyl-GPC (18:2/20:4n6)*
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

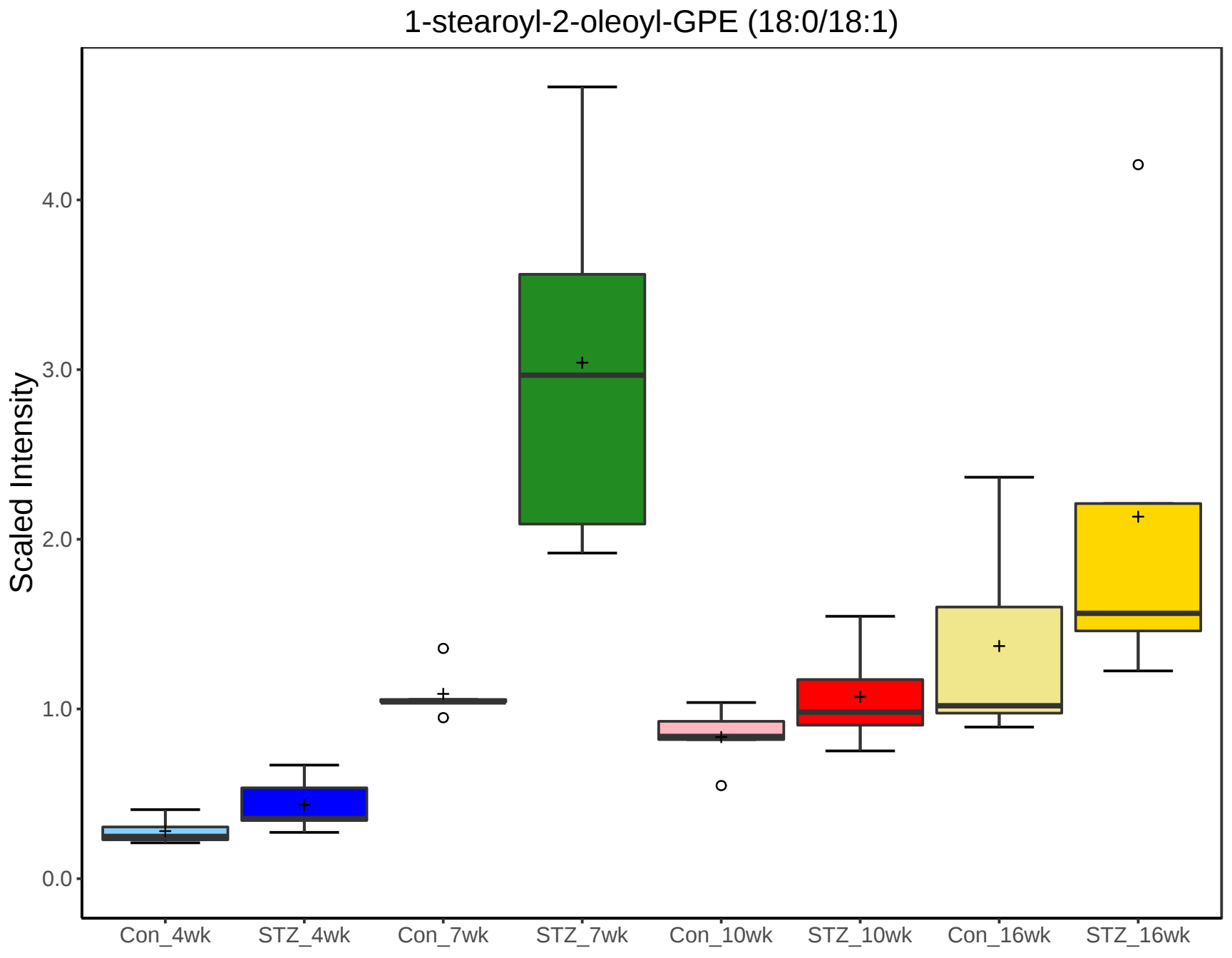

1,2-dipalmitoyl-GPE (16:0/16:0)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

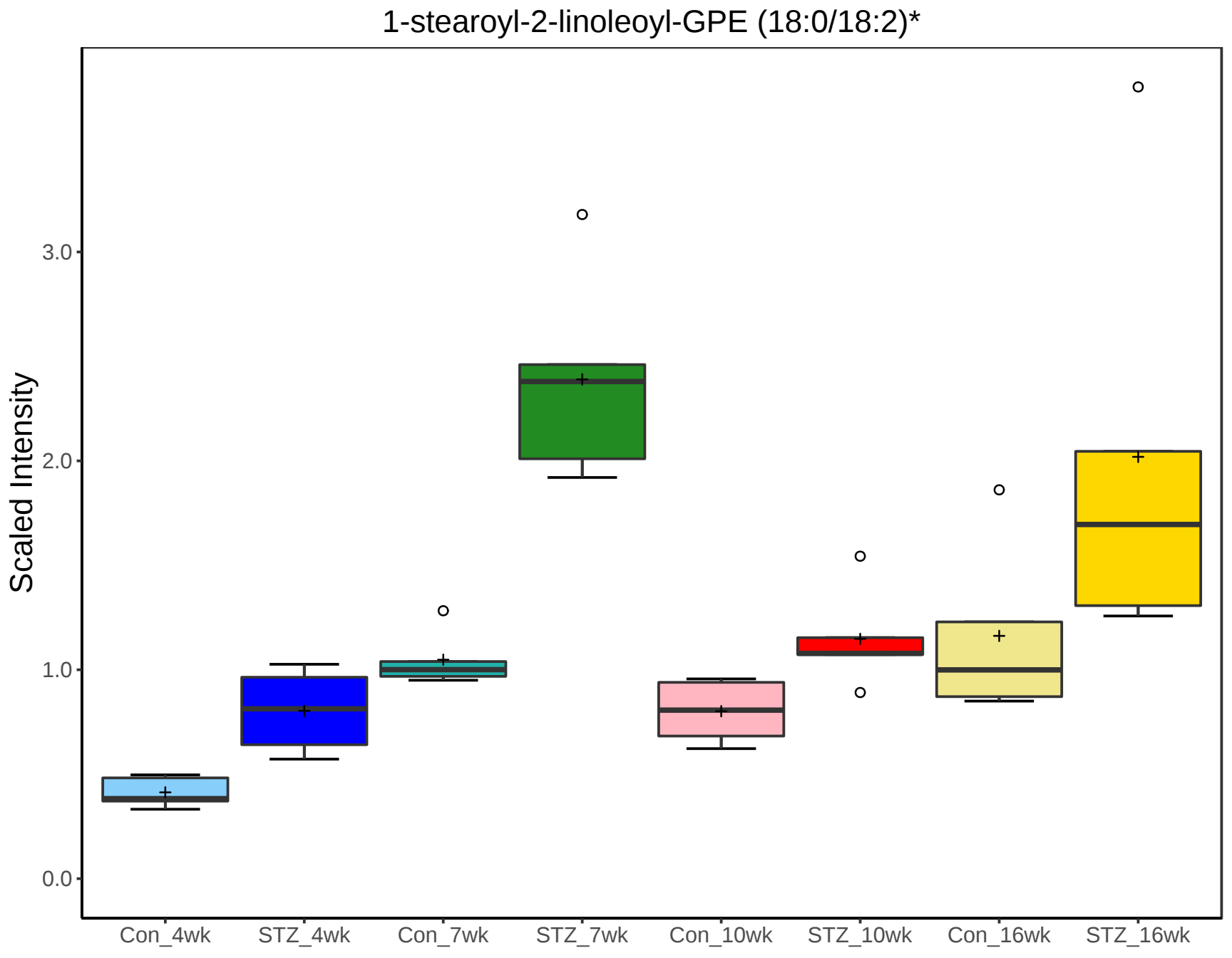

1-palmitoyl-2-oleoyl-GPE (16:0/18:1)
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

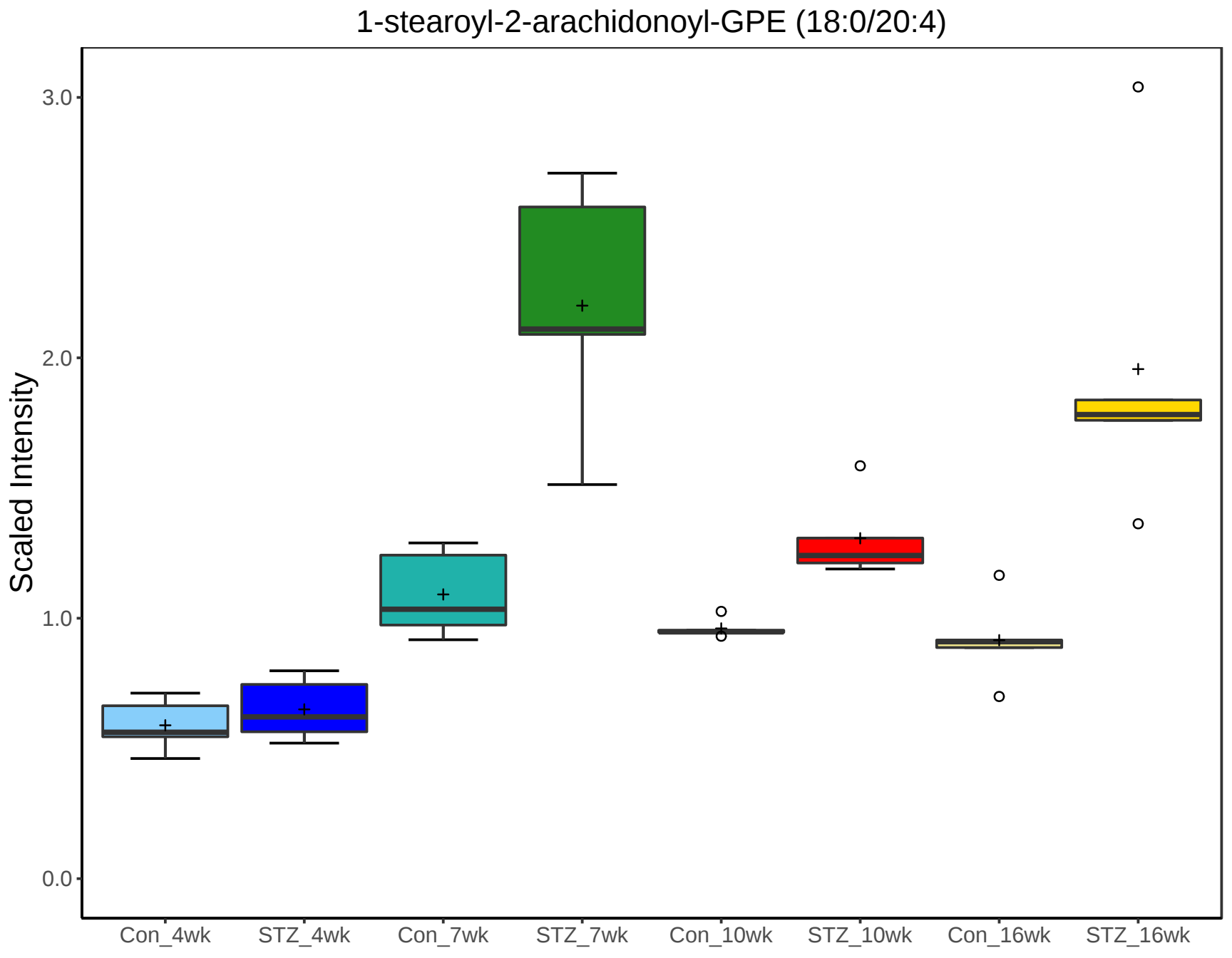

1-palmitoyl-2-linoleoyl-GPE (16:0/18:2)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

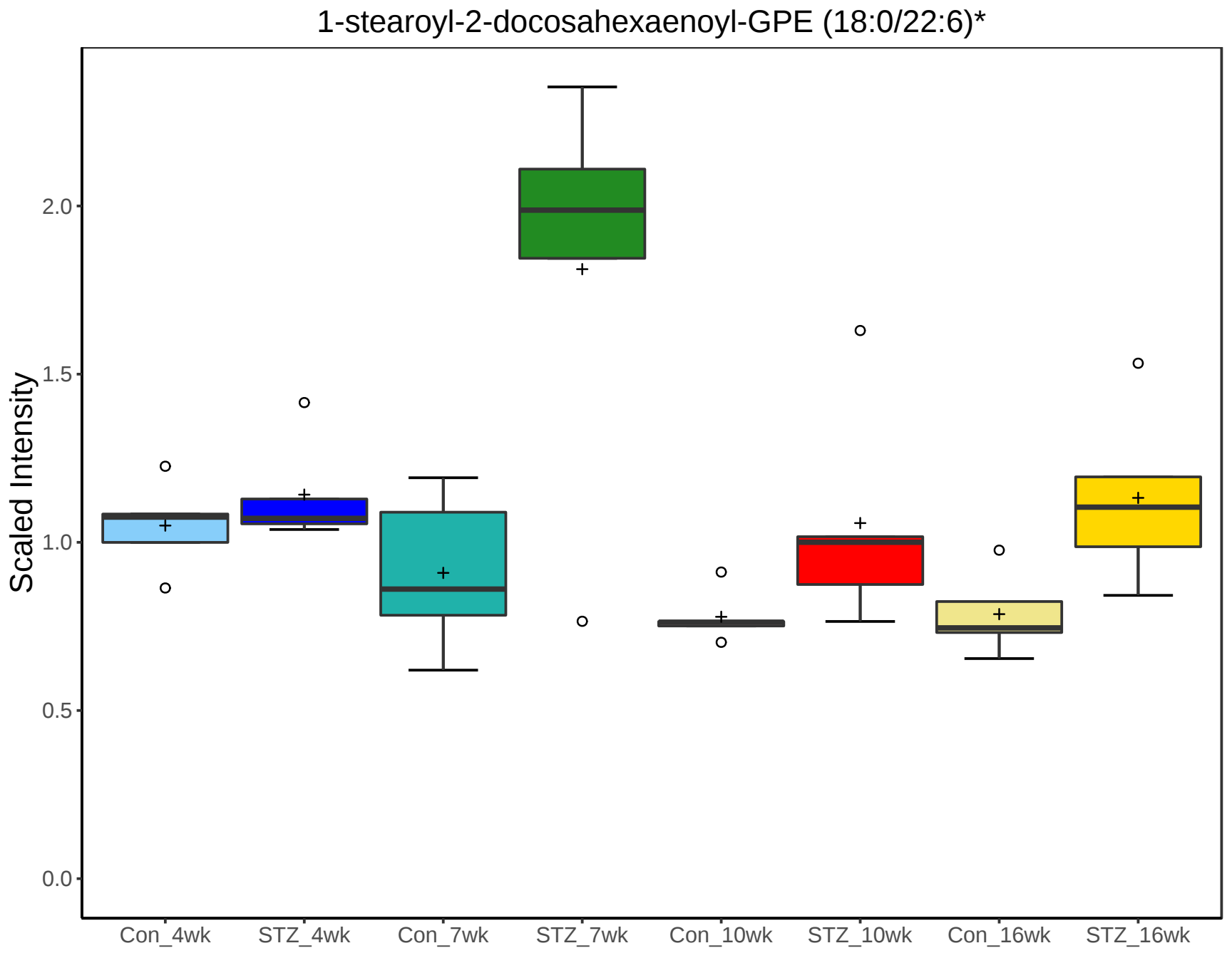

1-palmitoyl-2-arachidonoyl-GPE (16:0/20:4)*
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

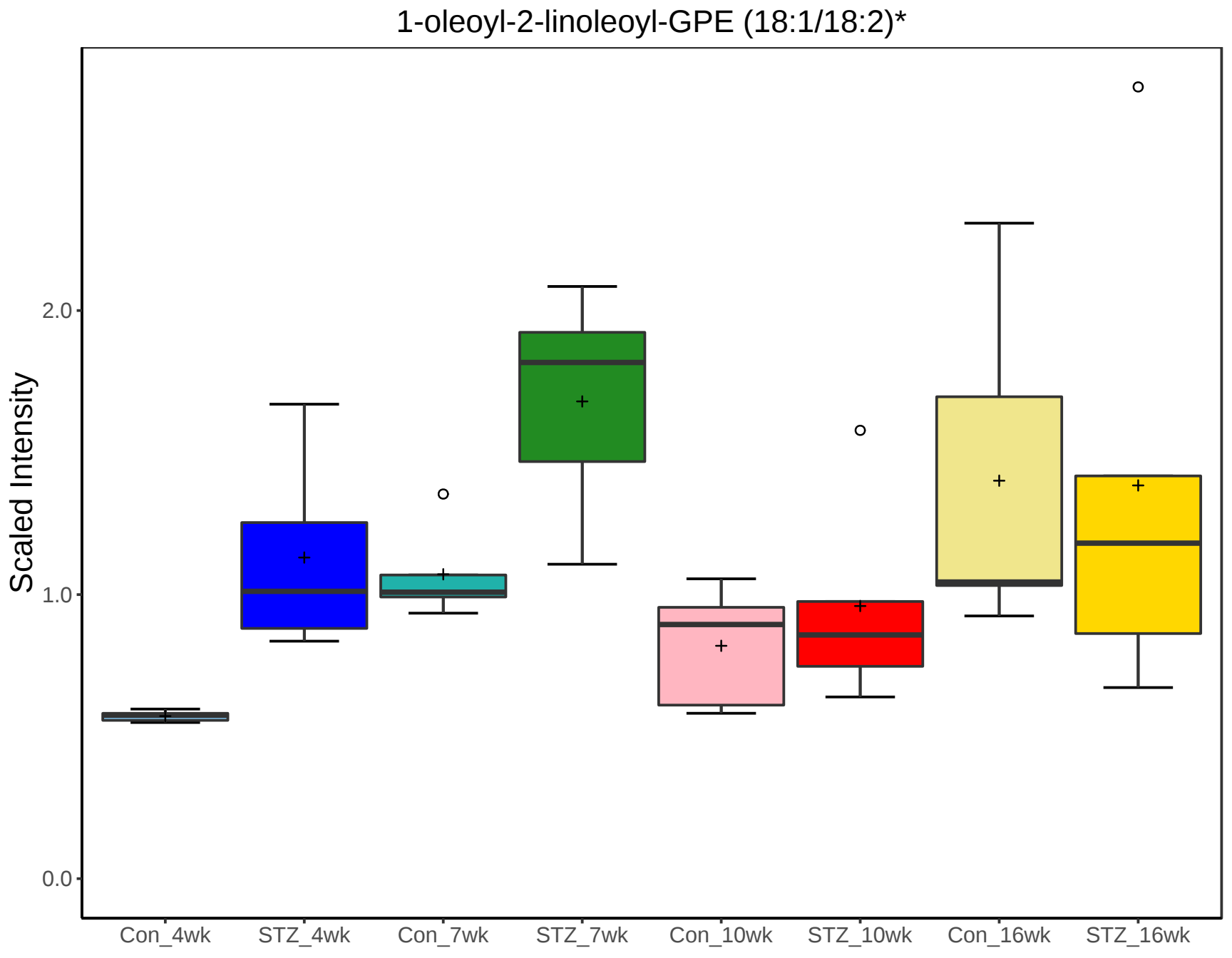

1-palmitoyl-2-docosahexaenoyl-GPE (16:0/22:6)*
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

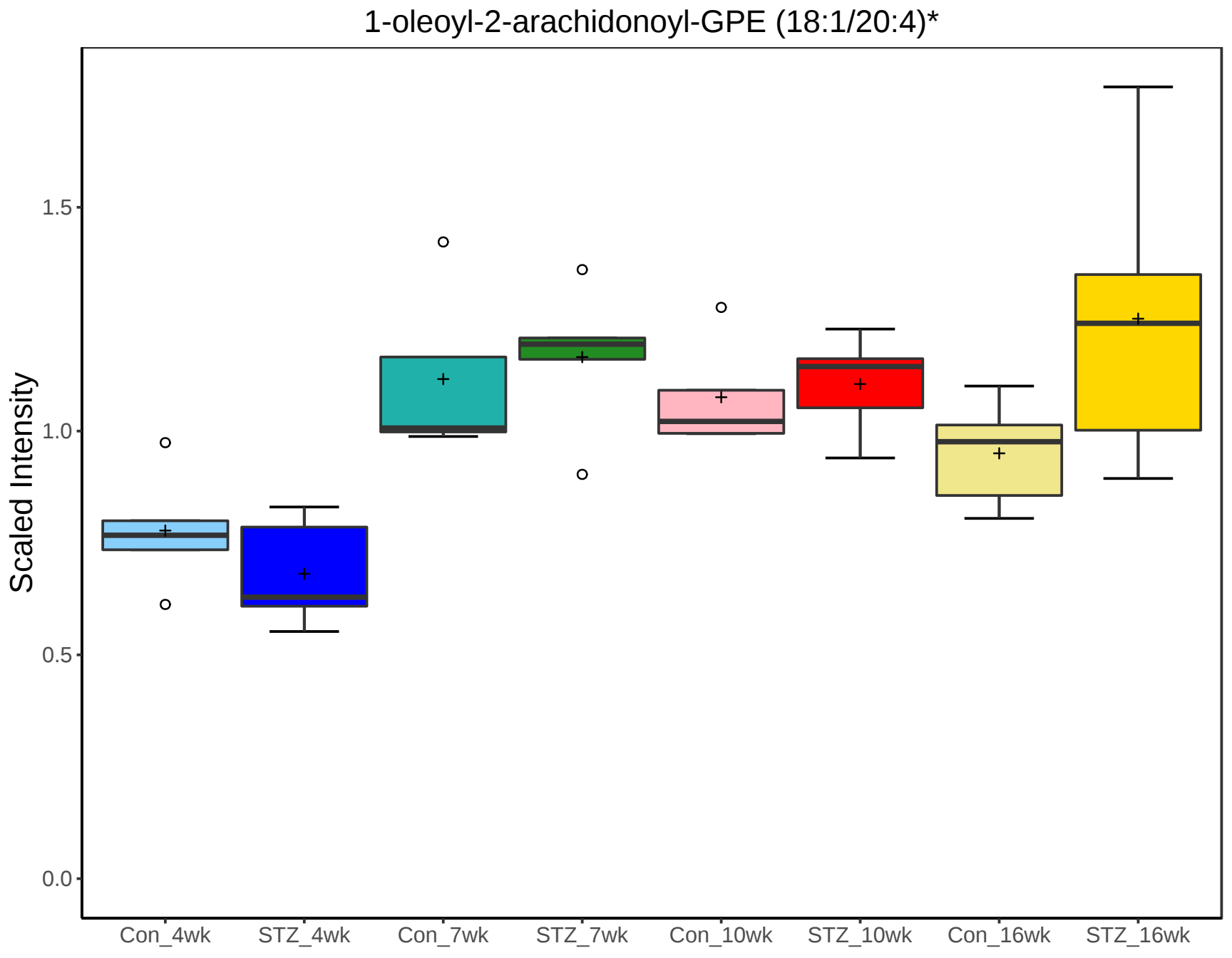

1-stearoyl-2-oleoyl-GPE (18:0/18:1)
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

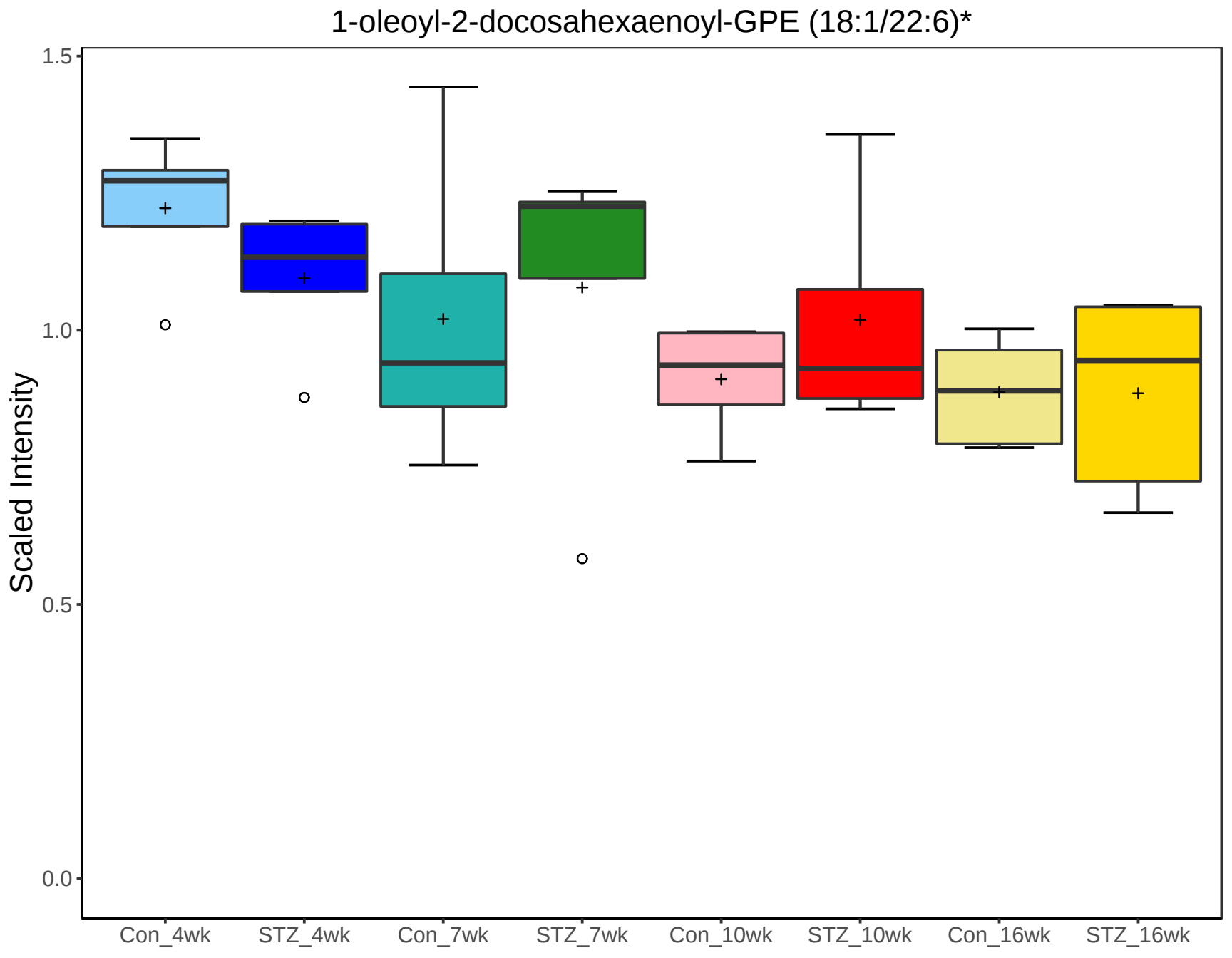

1-stearoyl-2-linoleoyl-GPE (18:0/18:2)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

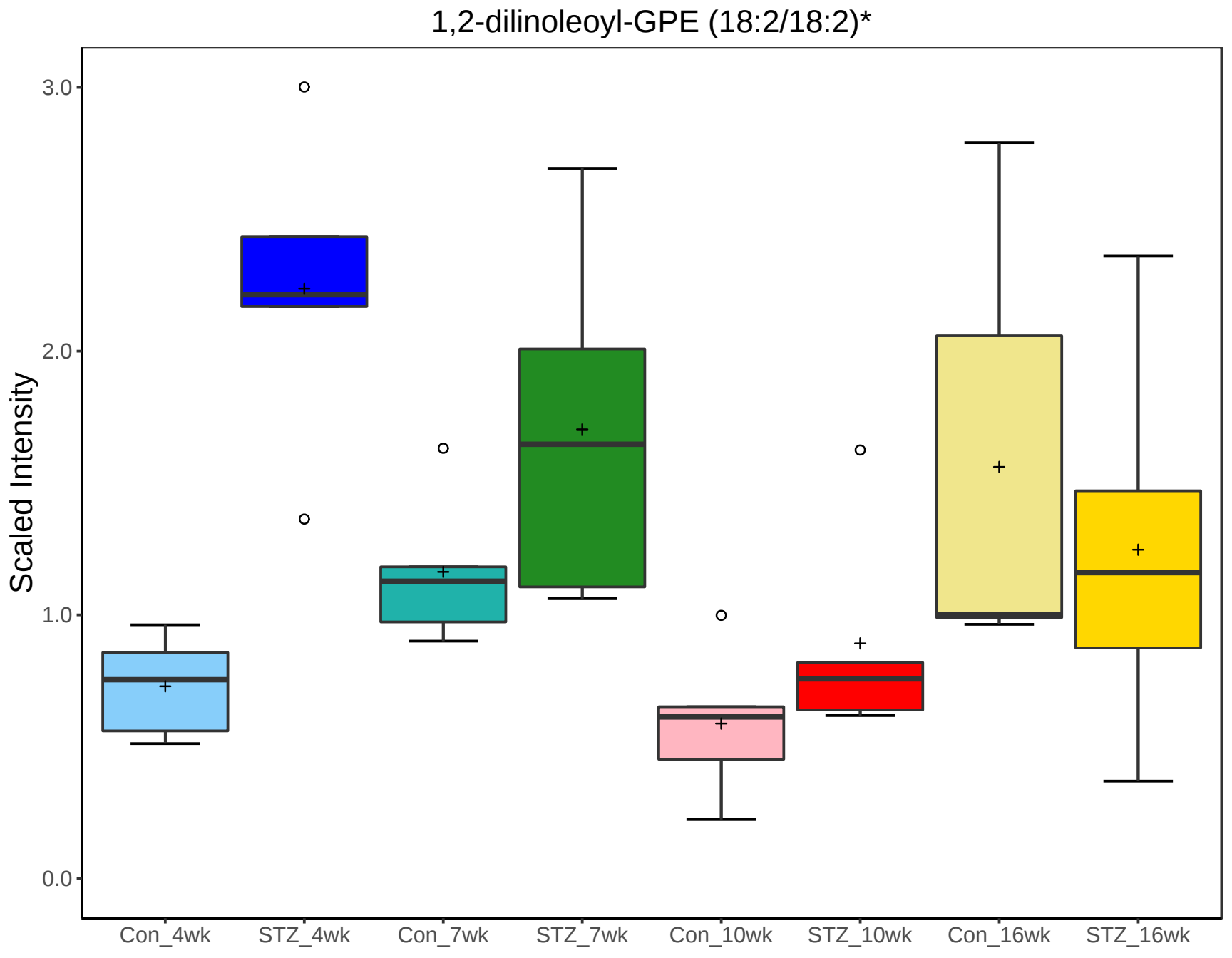

1-stearoyl-2-arachidonoyl-GPE (18:0/20:4)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

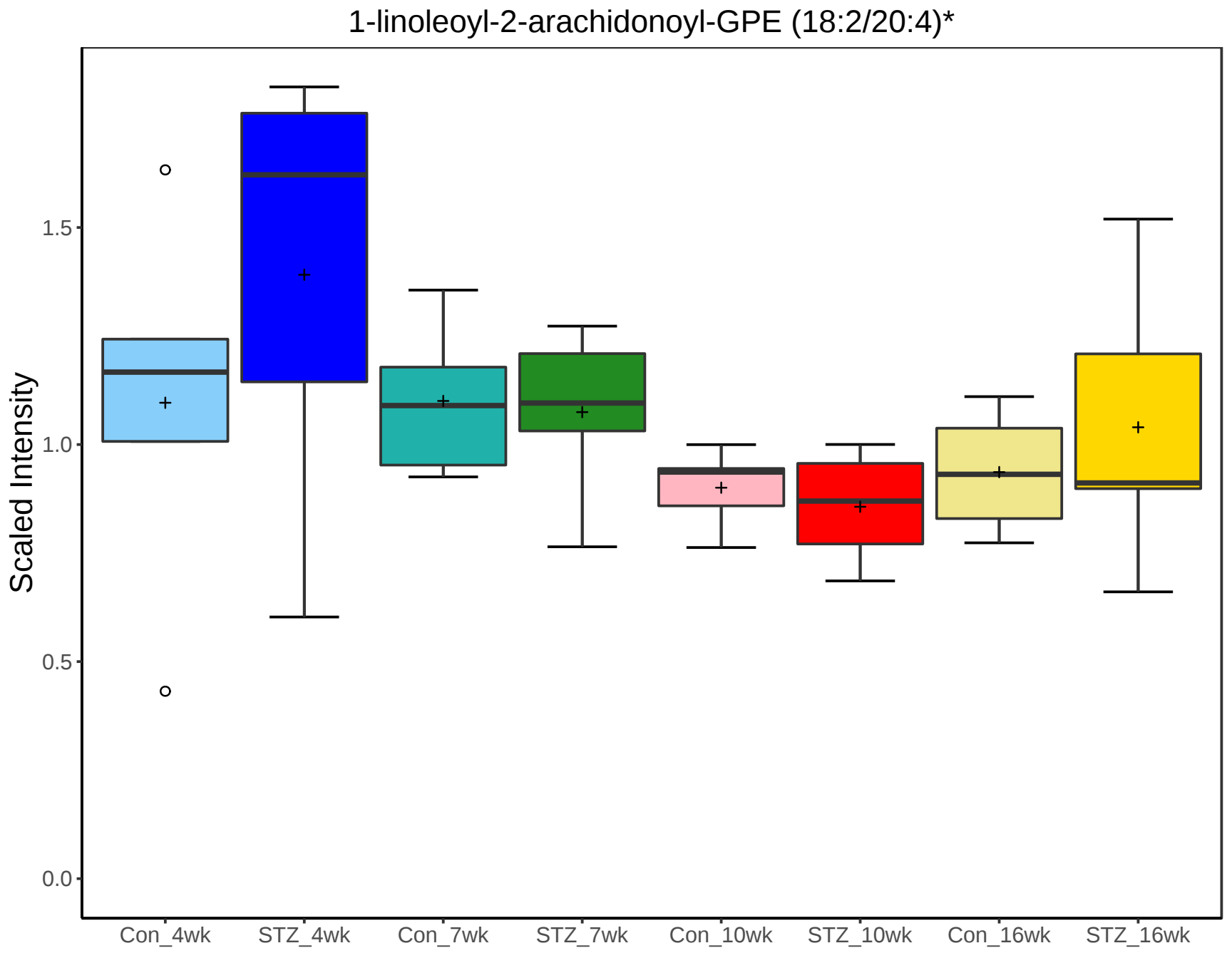

1-stearoyl-2-docosahexaenoyl-GPE (18:0/22:6)*
Scaled Intensity
0.0
0.5
1.0
1.5
2.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

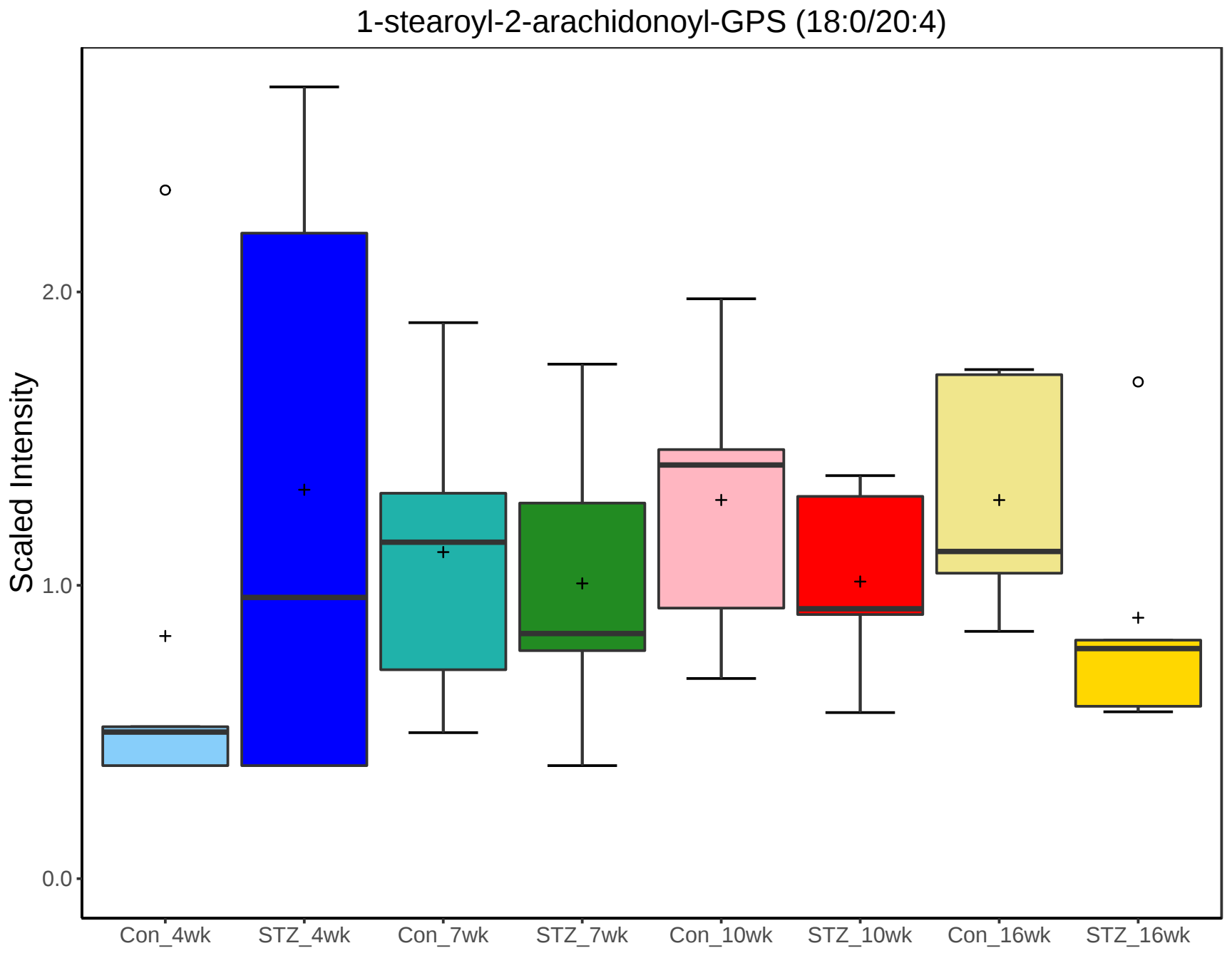

1-oleoyl-2-linoleoyl-GPE (18:1/18:2)*
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

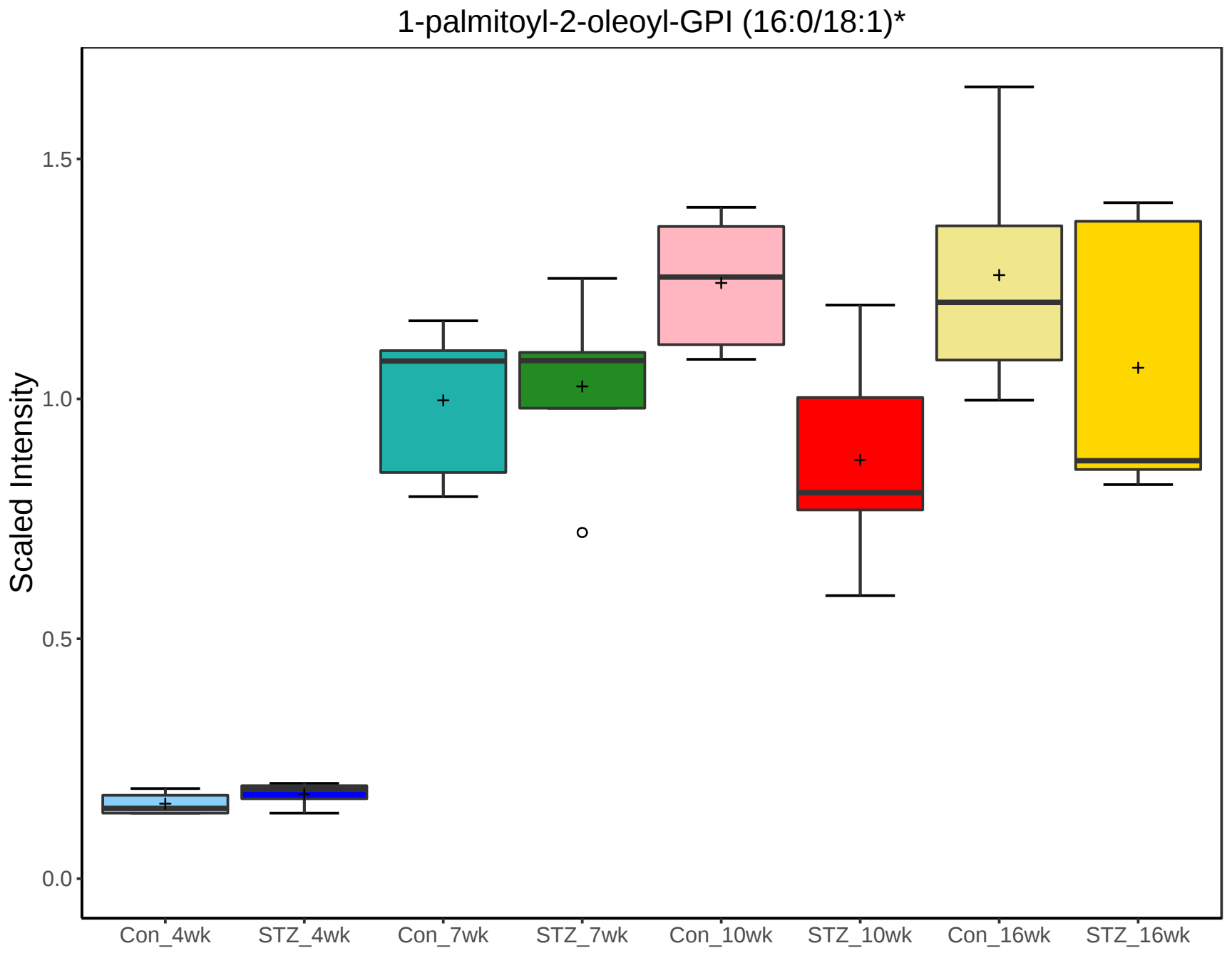

1-oleoyl-2-arachidonoyl-GPE (18:1/20:4)*
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

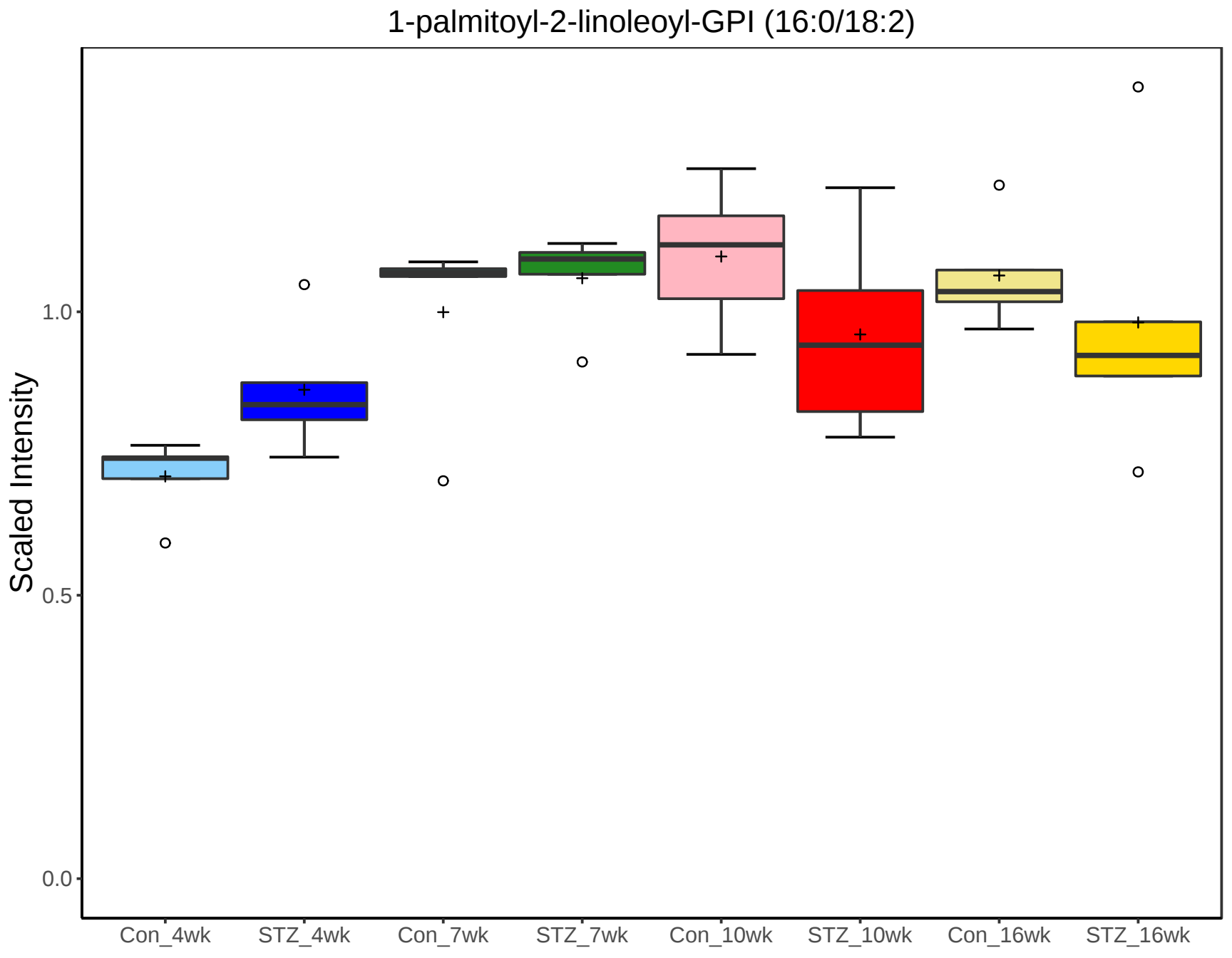

1-oleoyl-2-docosahexaenoyl-GPE (18:1/22:6)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

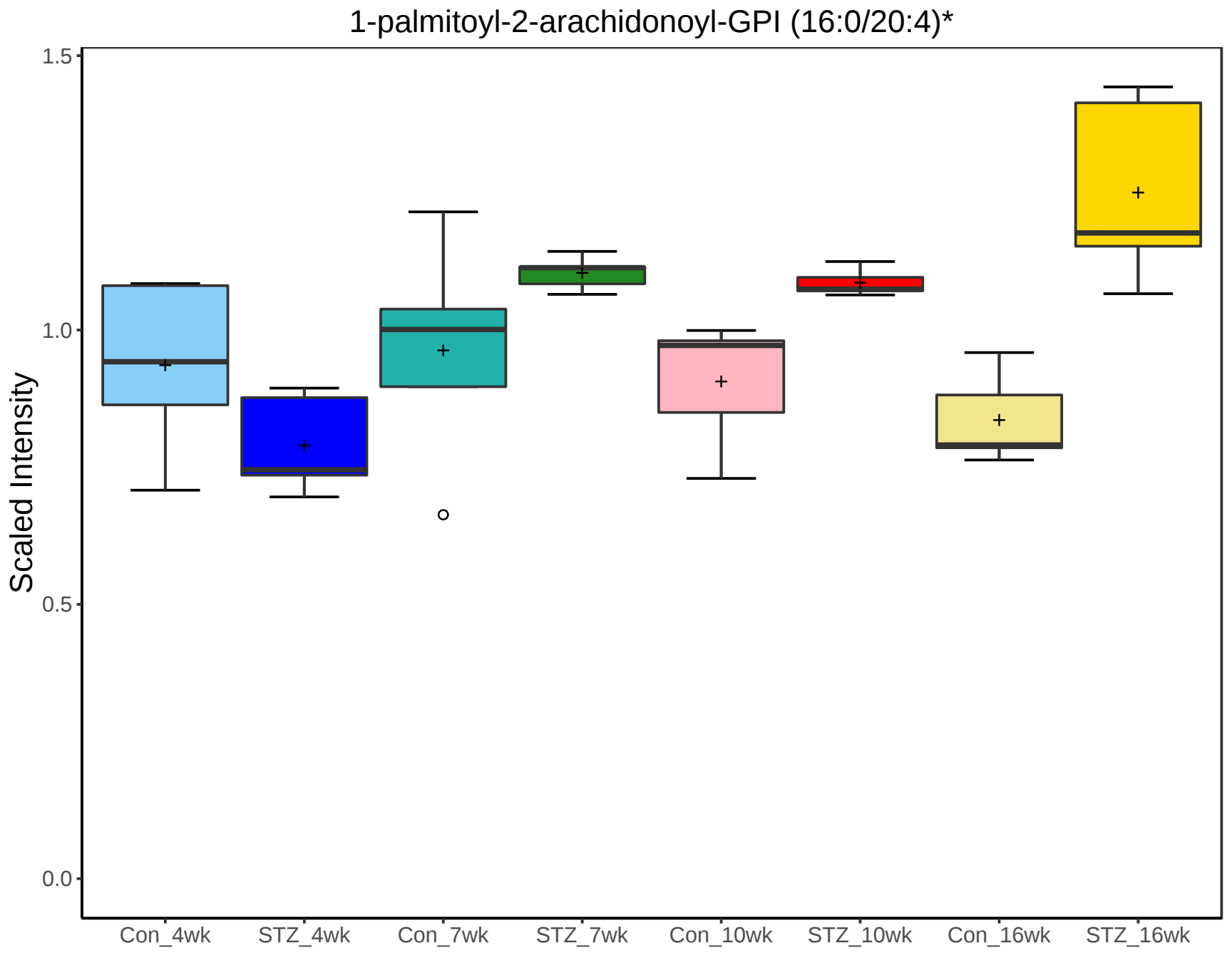

1,2-dilinoleoyl-GPE (18:2/18:2)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

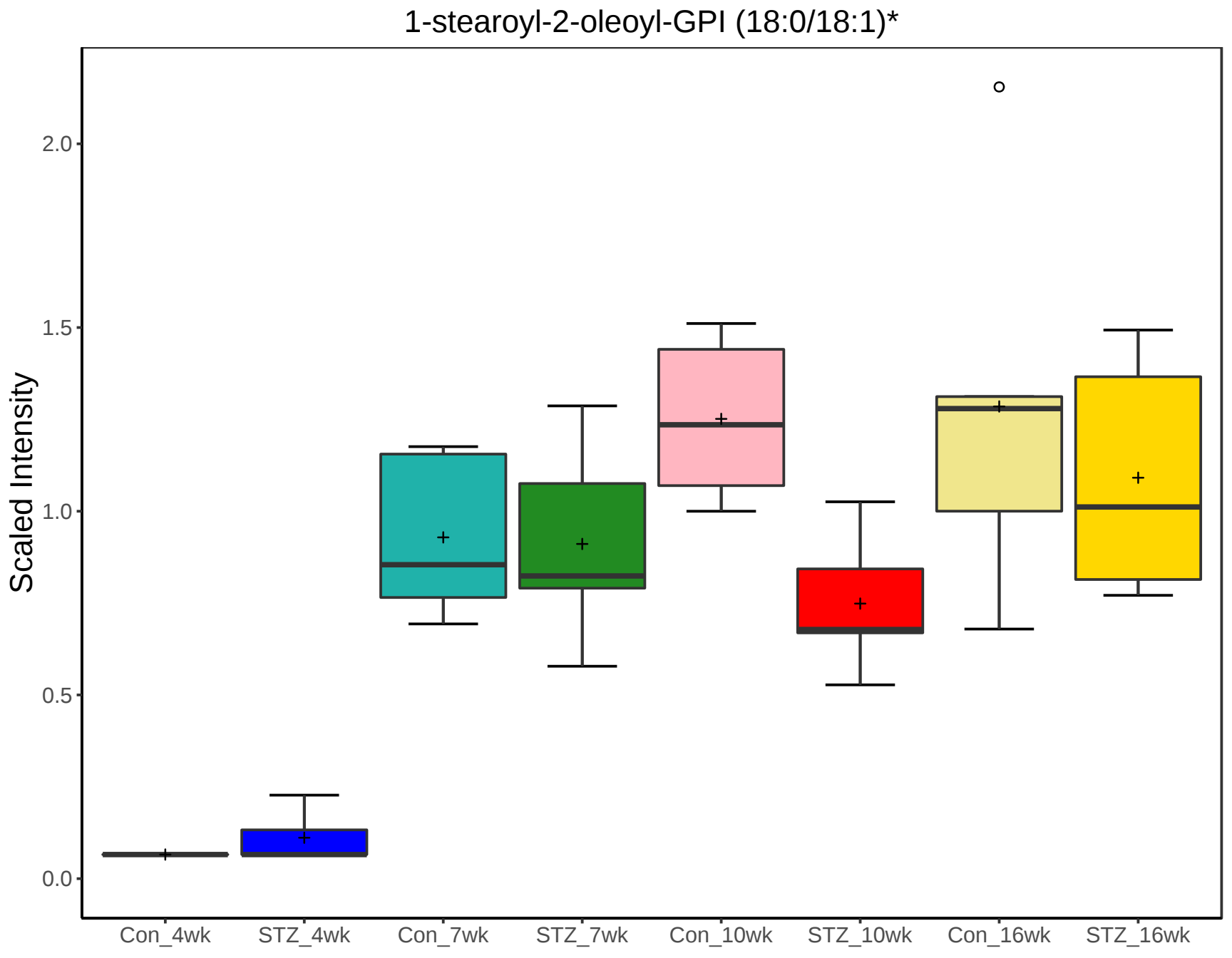

1-linoleoyl-2-arachidonoyl-GPE (18:2/20:4)*
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

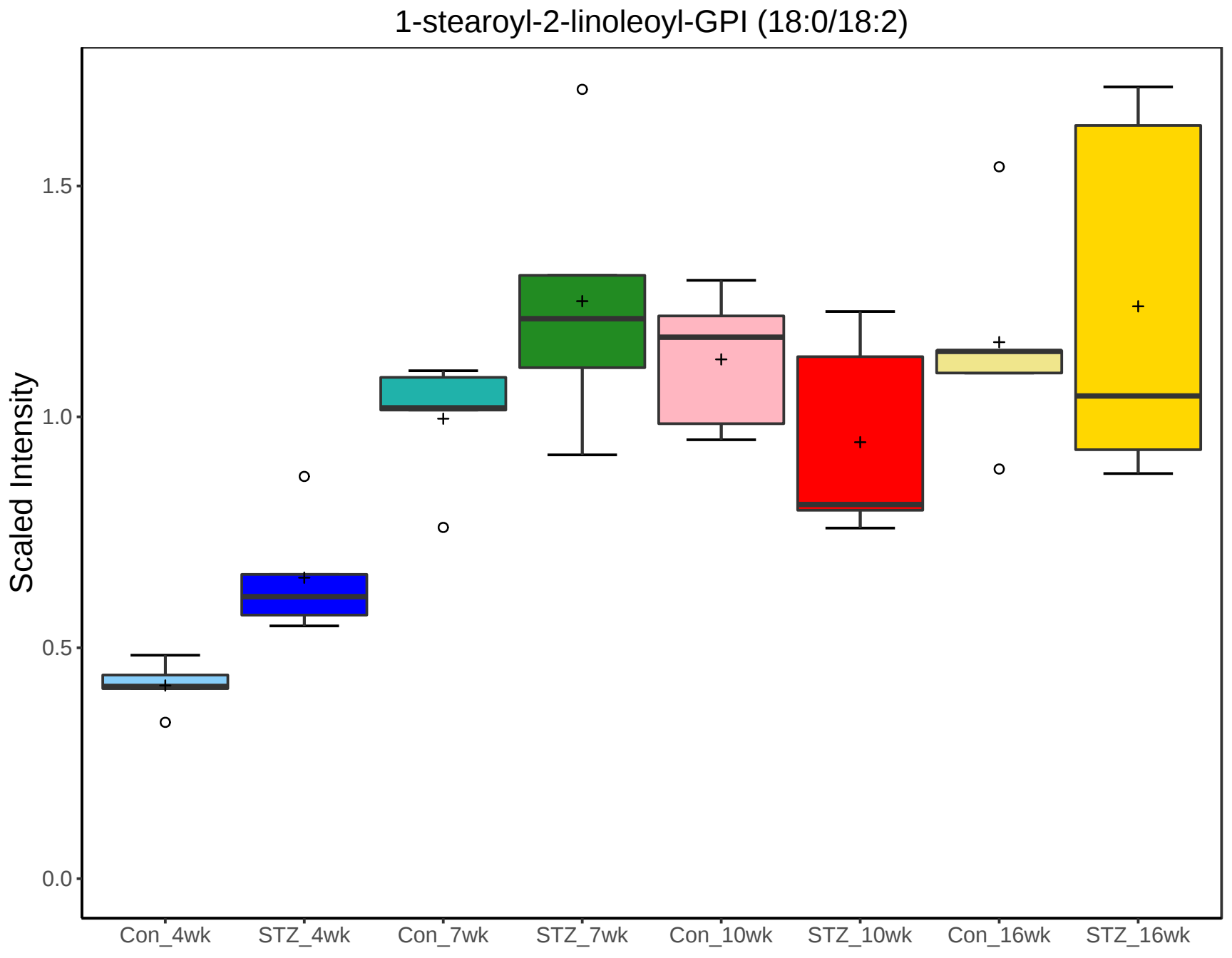

1-stearoyl-2-arachidonoyl-GPS (18:0/20:4)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

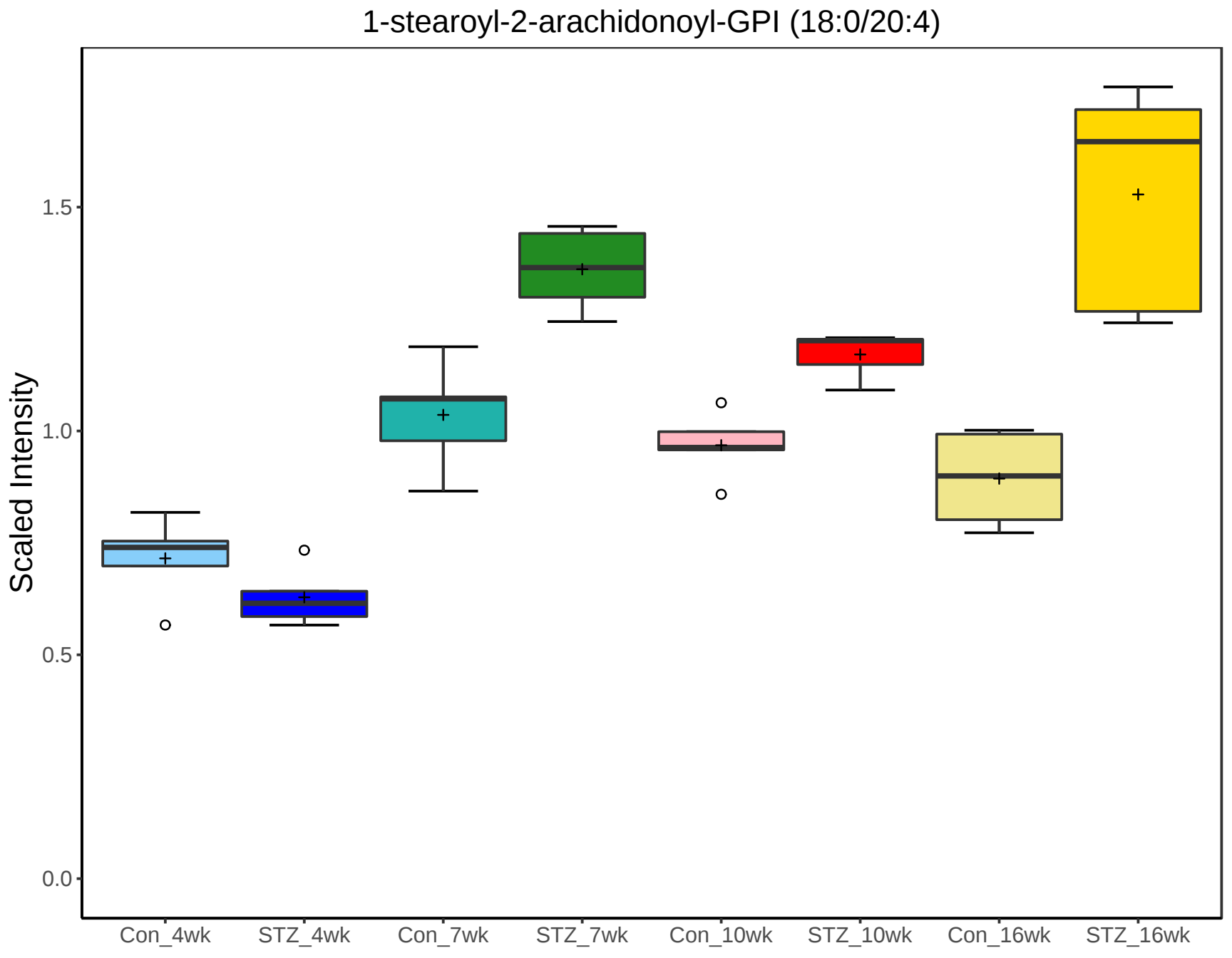

1-palmitoyl-2-oleoyl-GPI (16:0/18:1)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

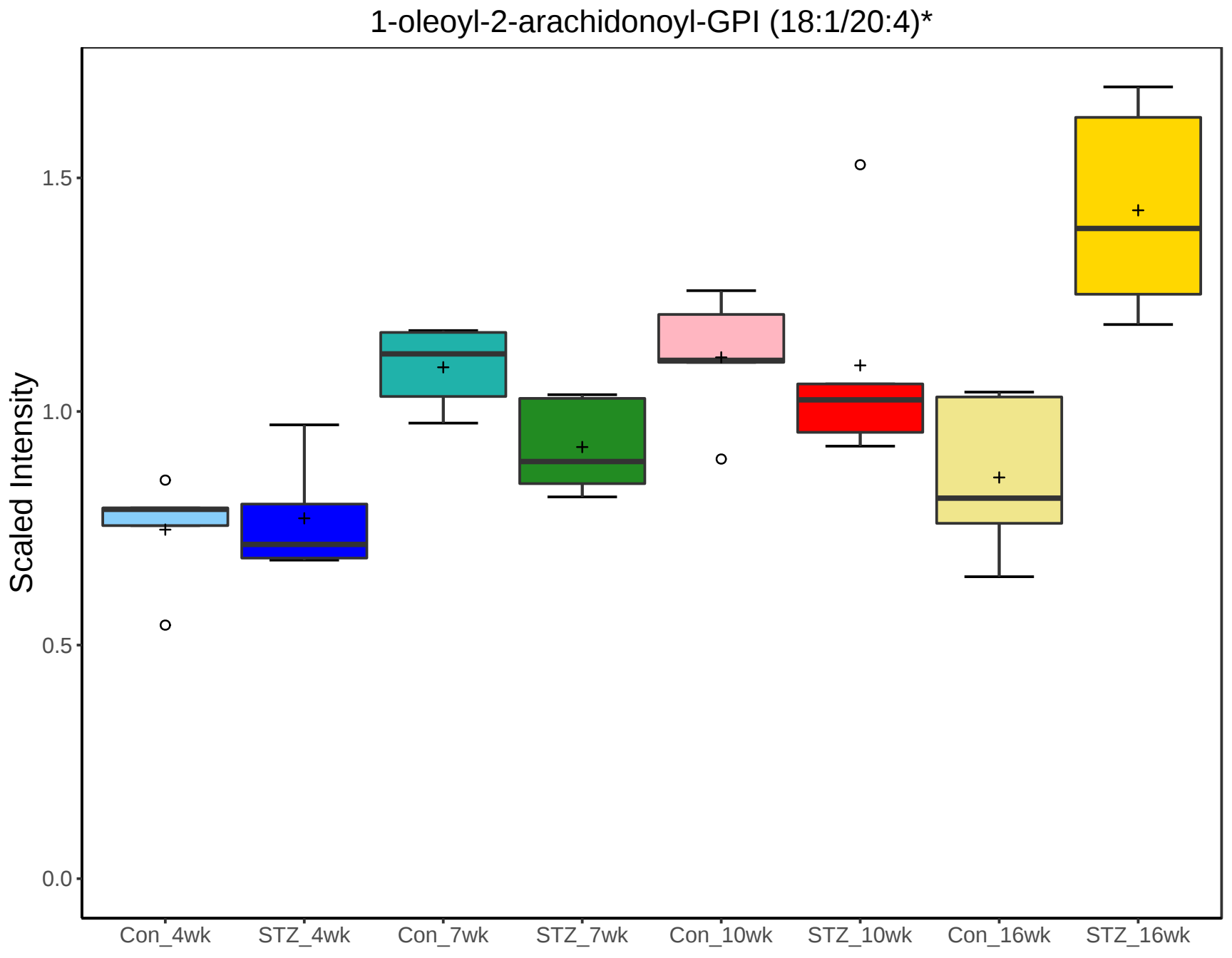

1-palmitoyl-2-linoleoyl-GPI (16:0/18:2)
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

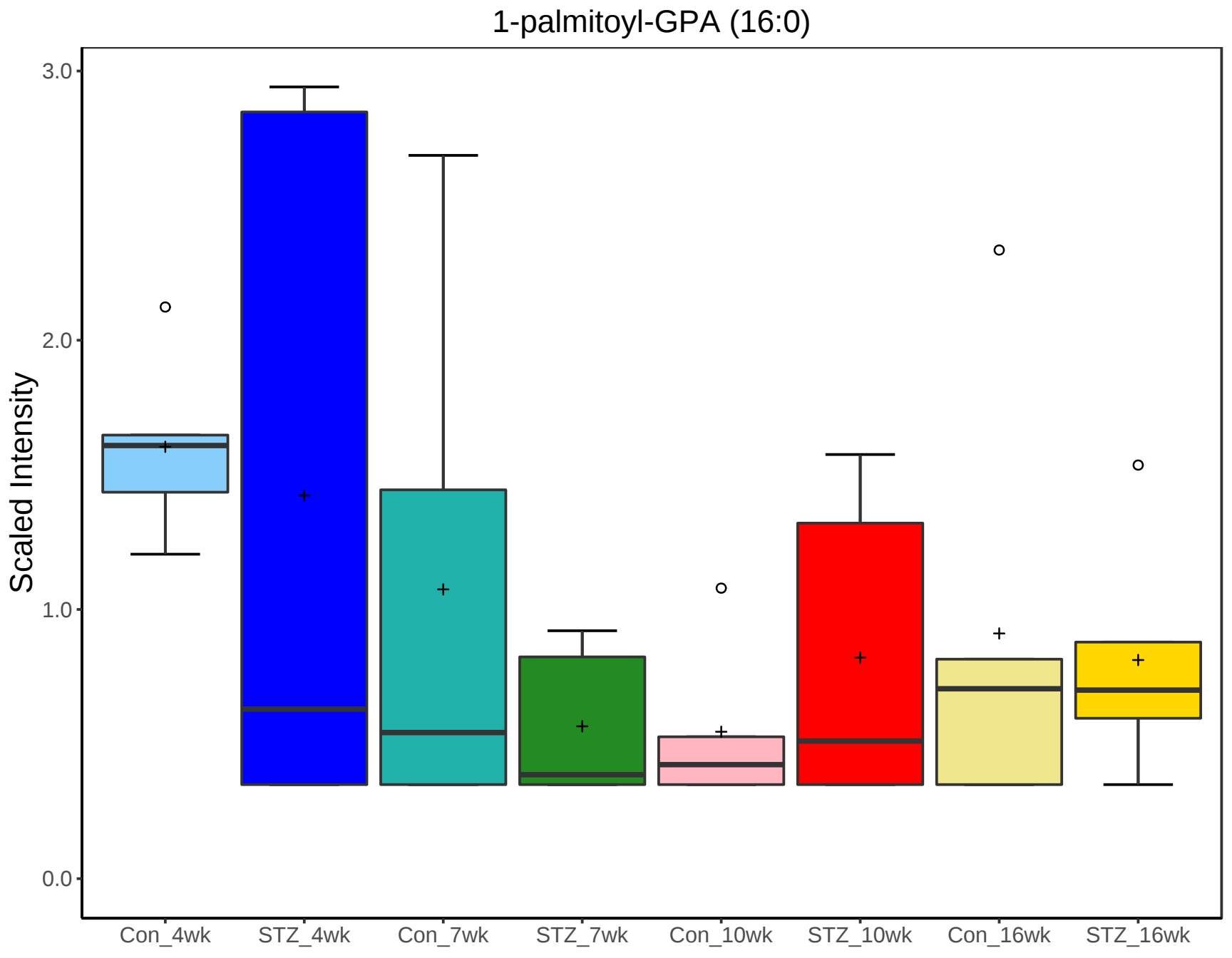

1-palmitoyl-2-arachidonoyl-GPI (16:0/20:4)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

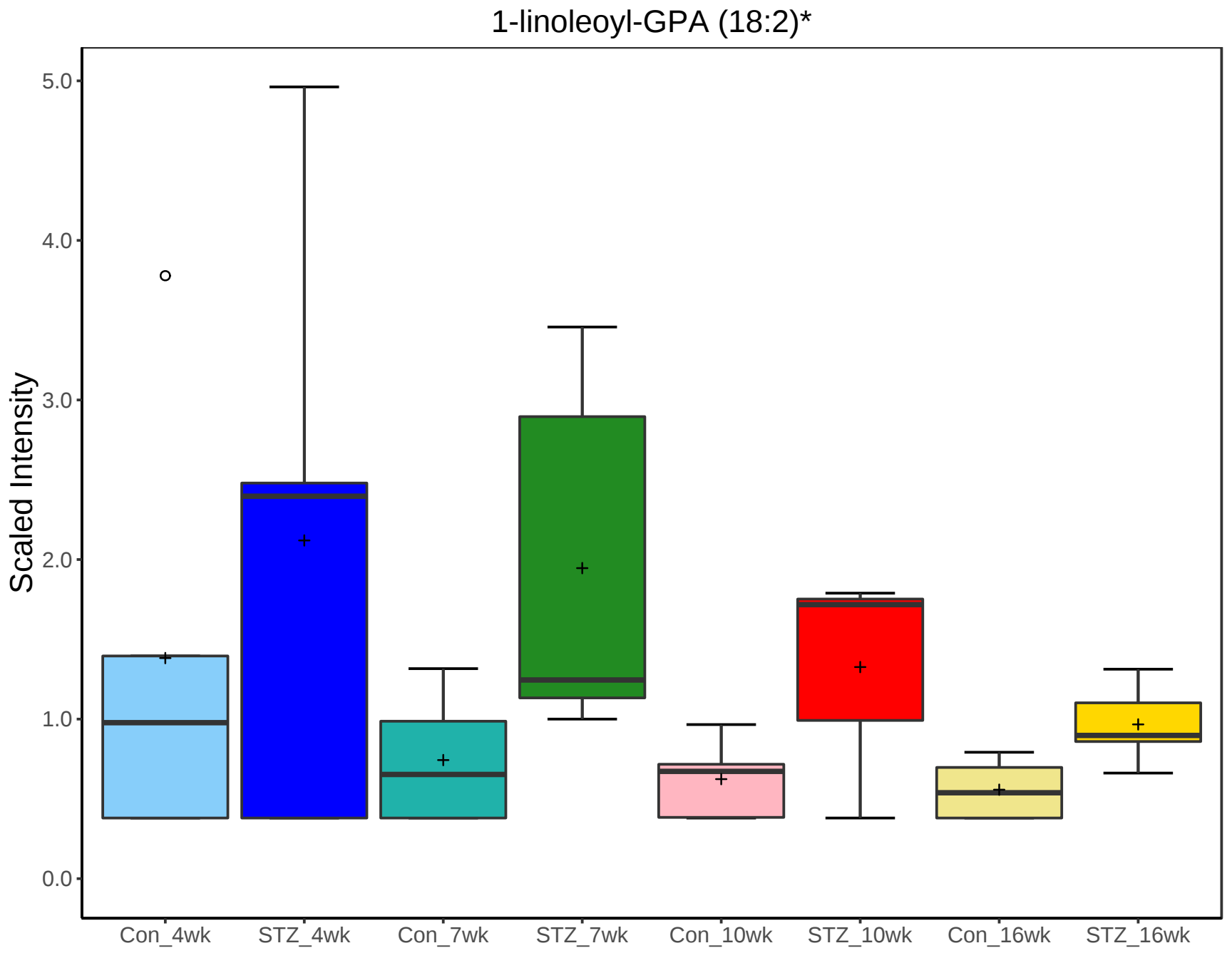

1-stearoyl-2-oleoyl-GPI (18:0/18:1)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

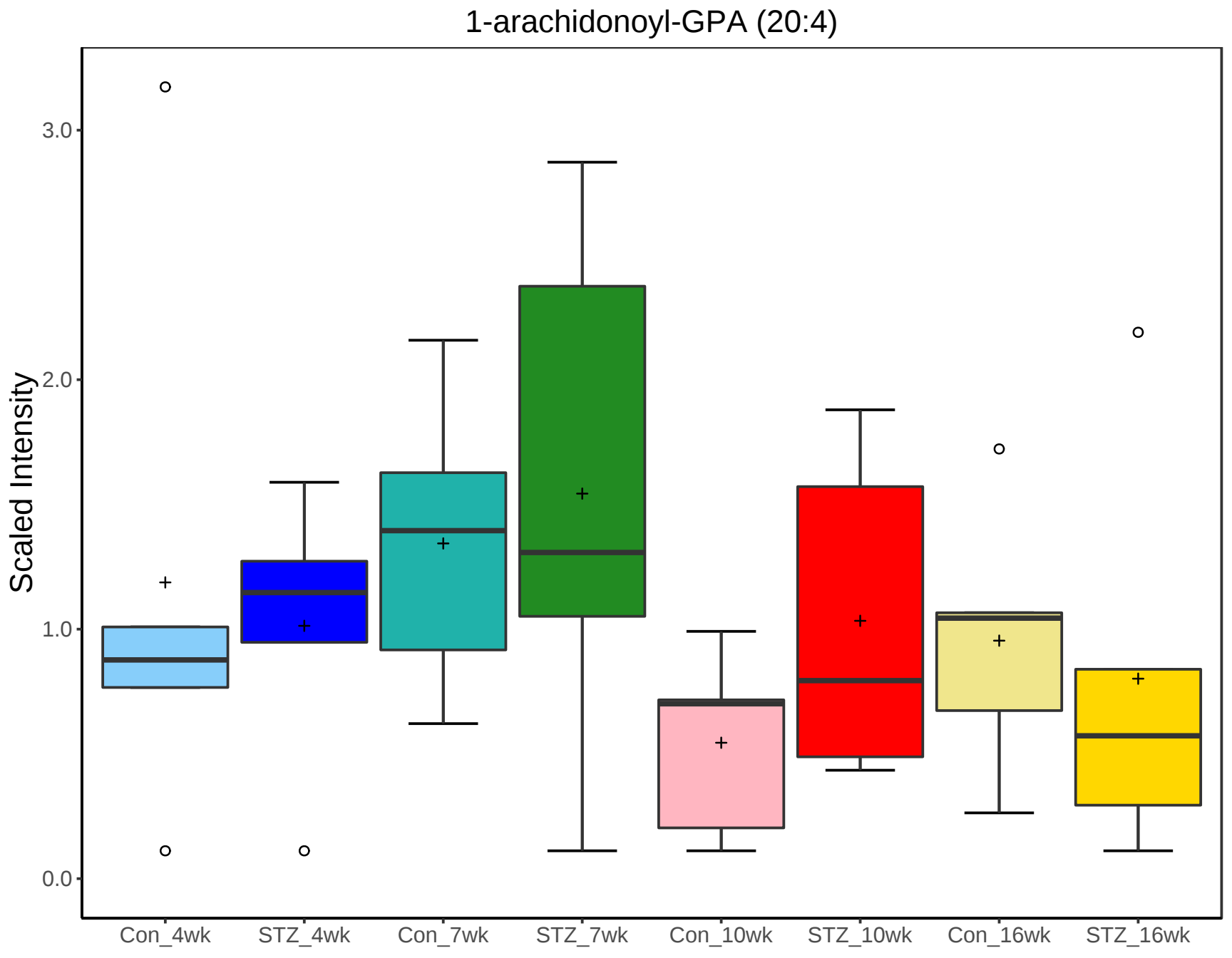

1-stearoyl-2-linoleoyl-GPI (18:0/18:2)
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

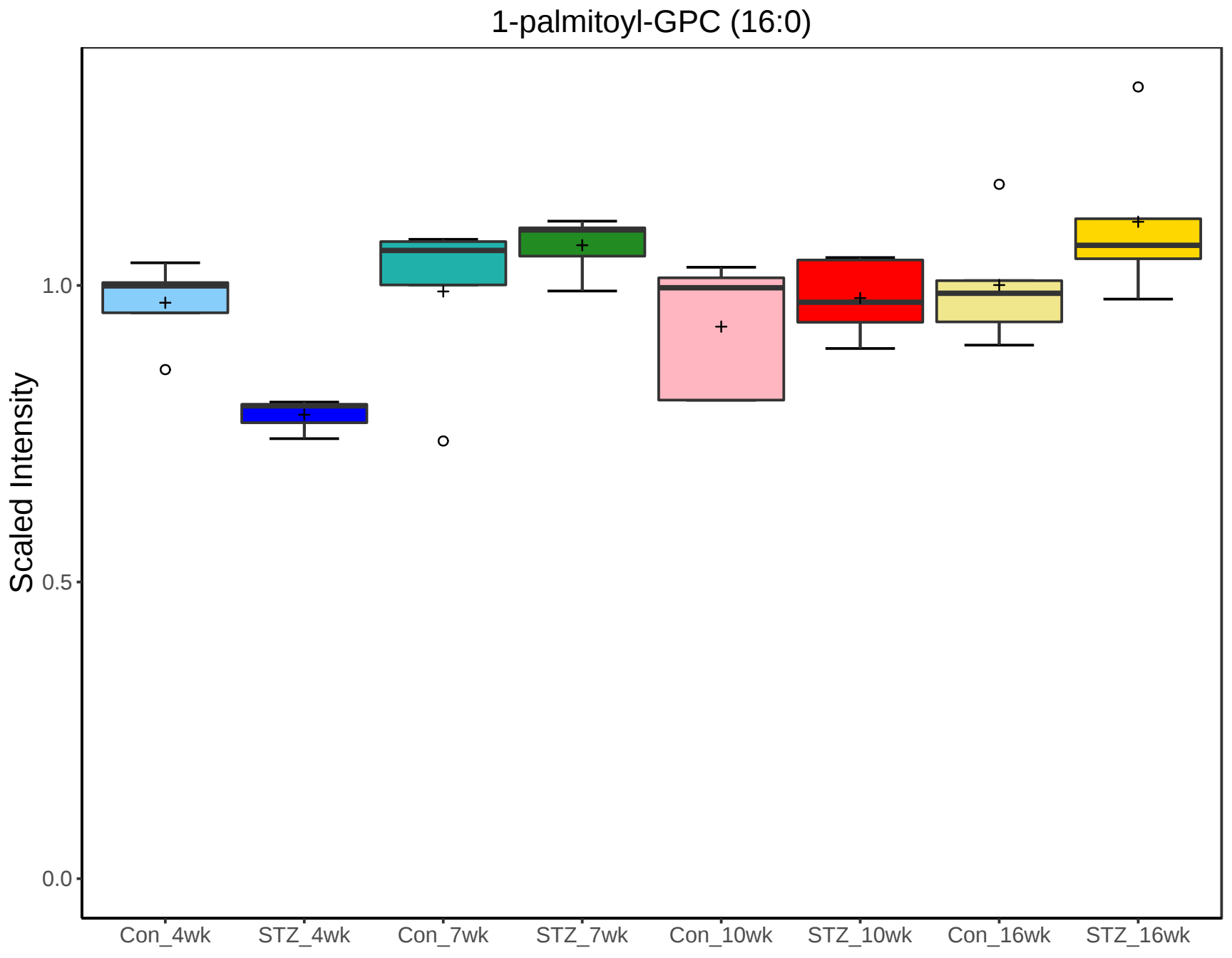

1-stearoyl-2-arachidonoyl-GPI (18:0/20:4)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

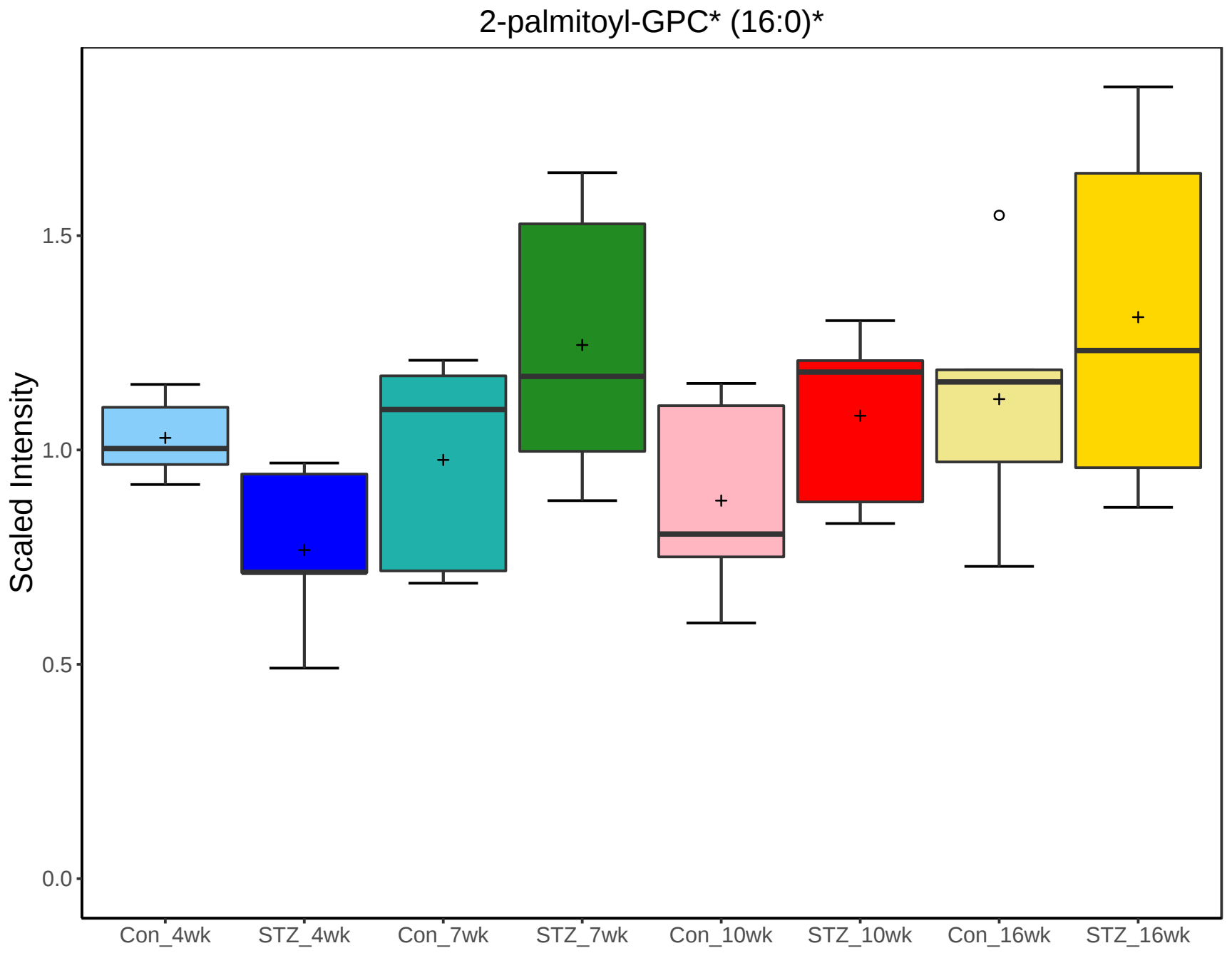

1-oleoyl-2-arachidonoyl-GPI (18:1/20:4)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

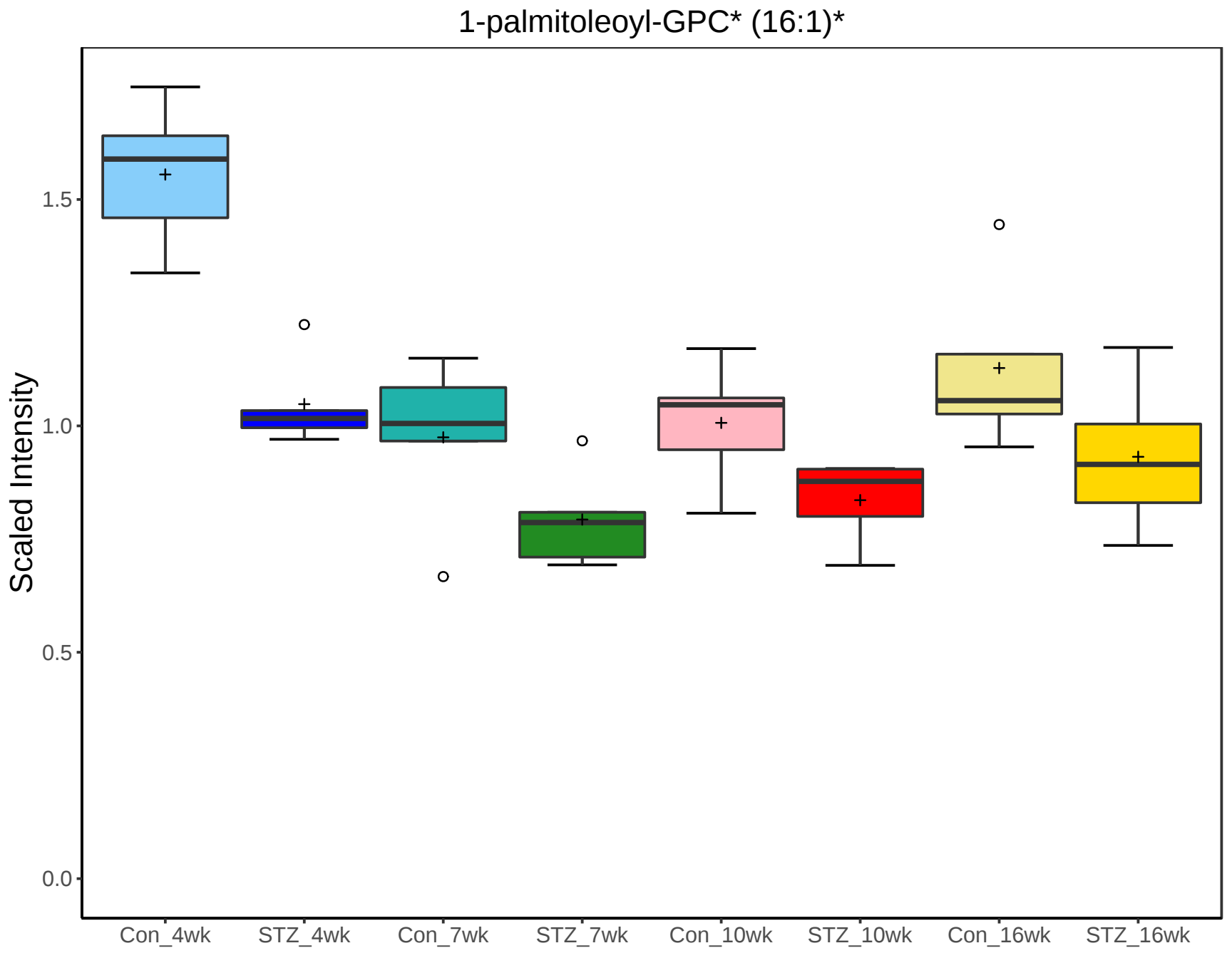

1-palmitoyl-GPA (16:0)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

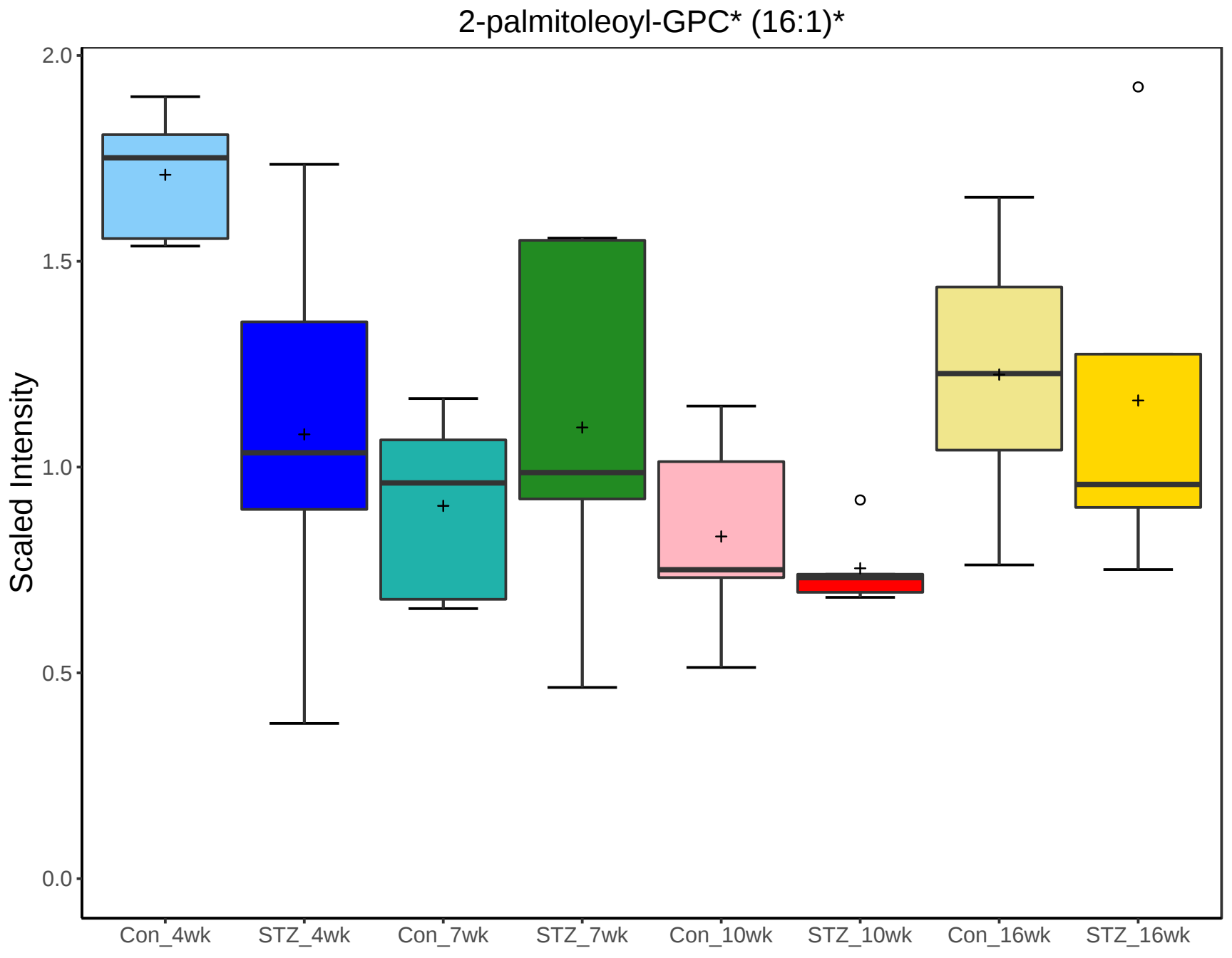

1-linoleoyl-GPA (18:2)*
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

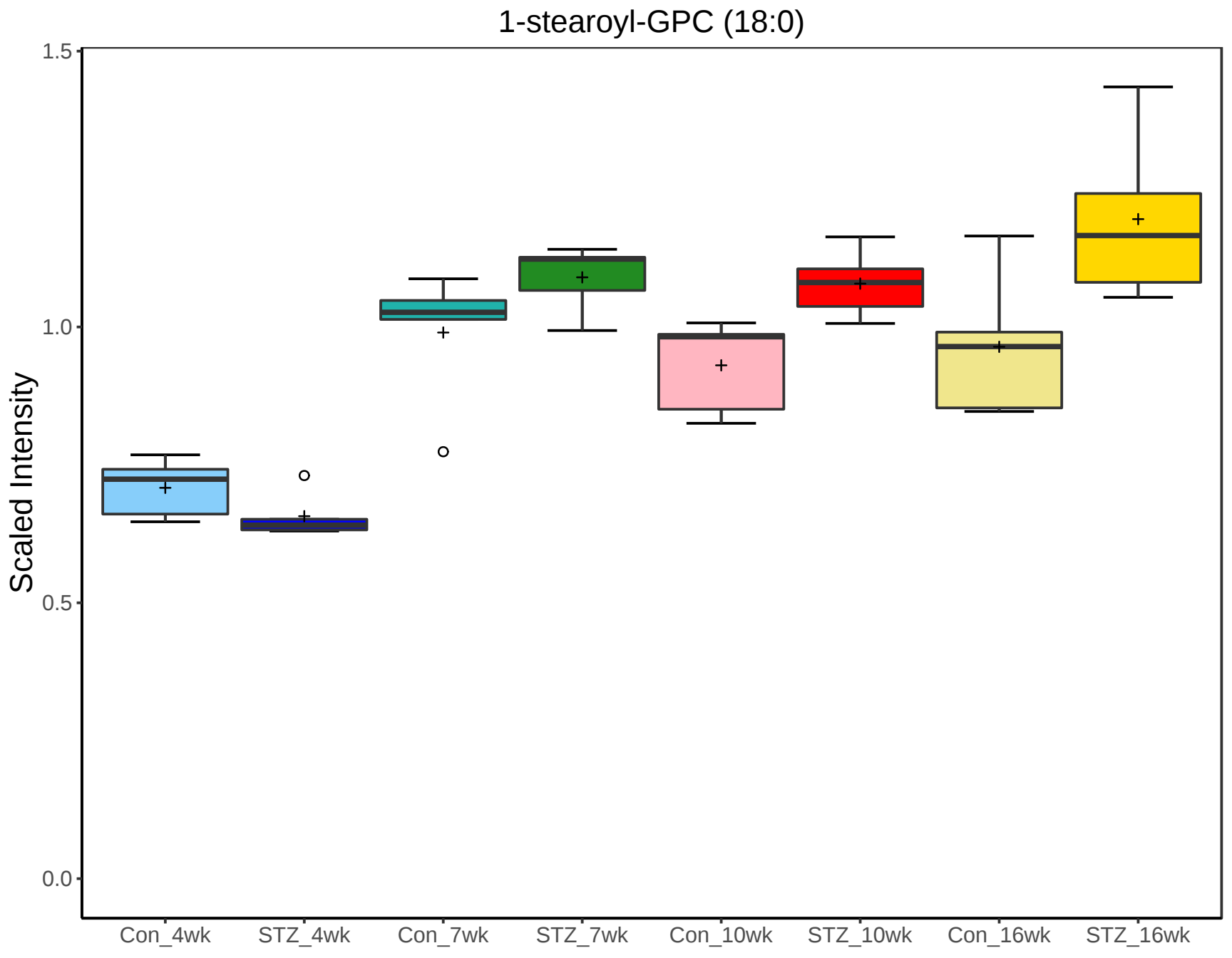

1-arachidonoyl-GPA (20:4)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

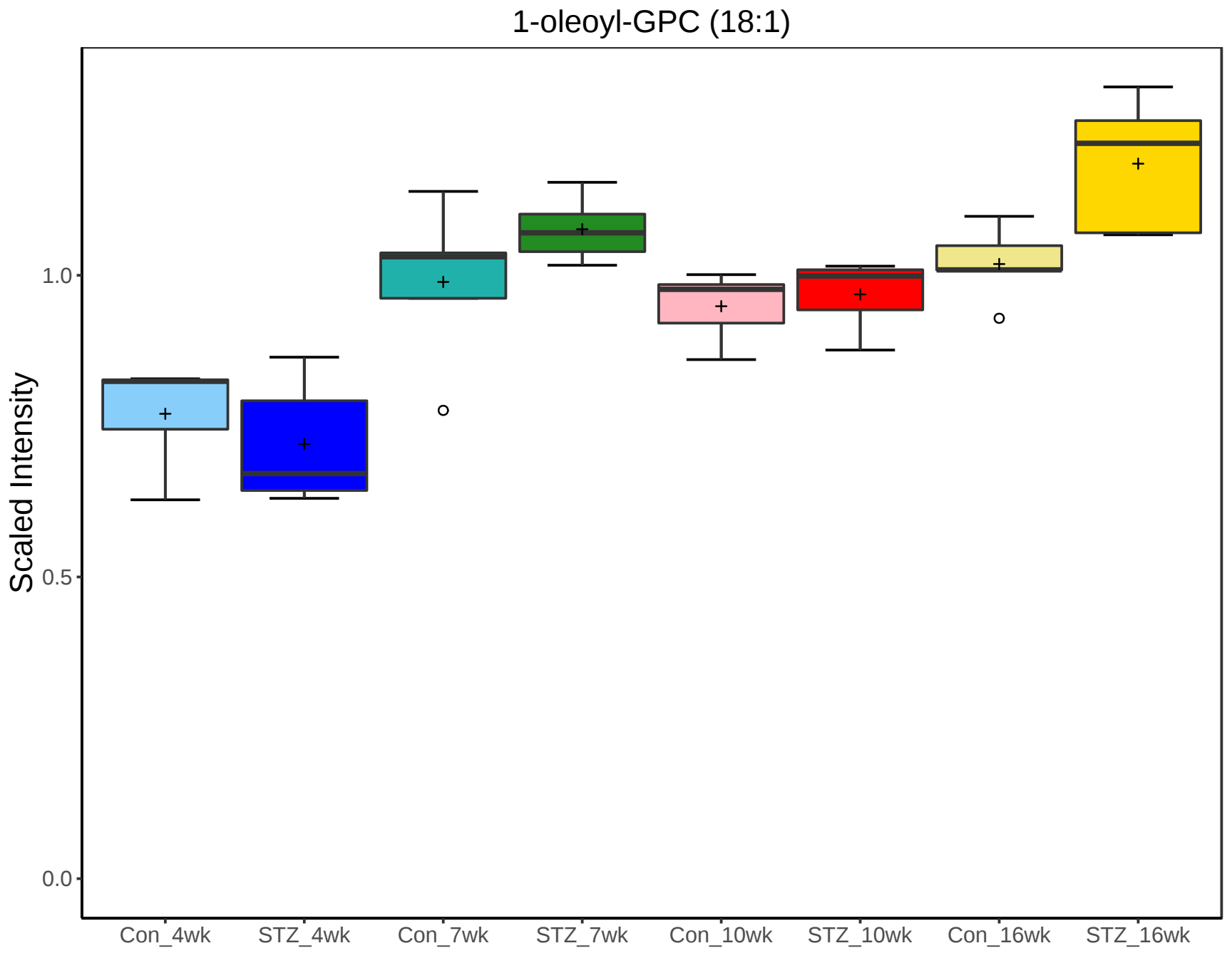

1-palmitoyl-GPC (16:0)
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

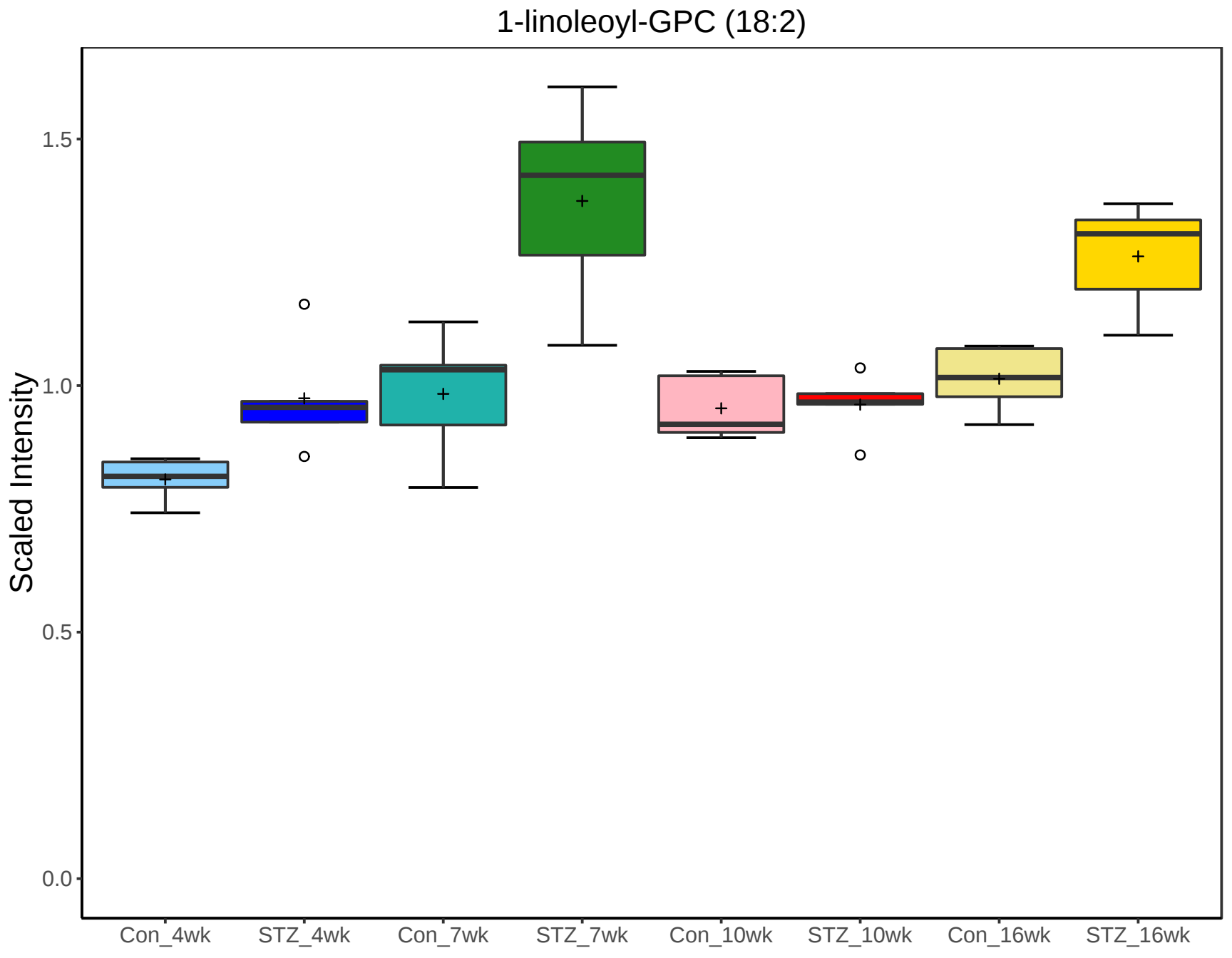

2-palmitoyl-GPC* (16:0)*
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

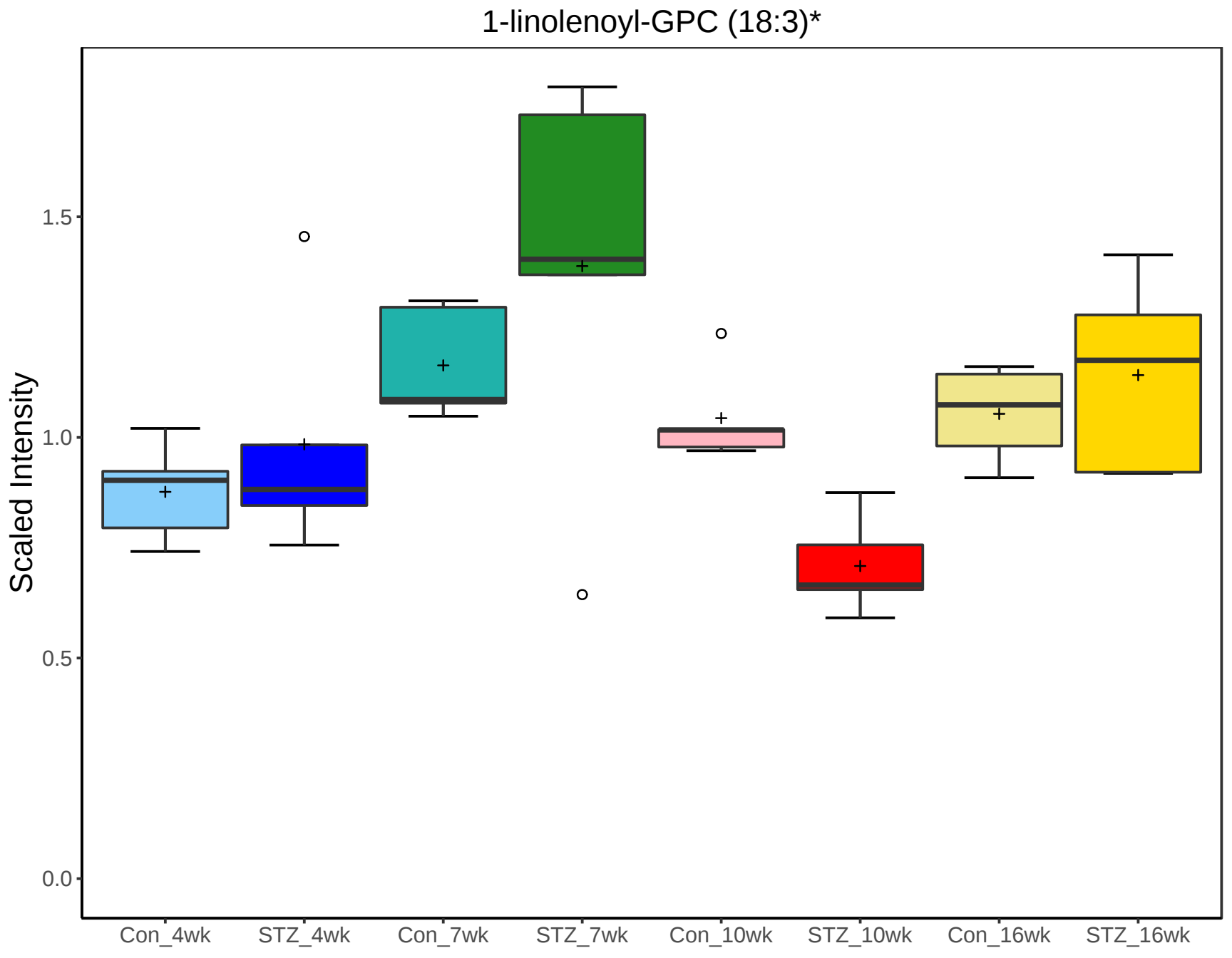

1-palmitoleoyl-GPC* (16:1)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

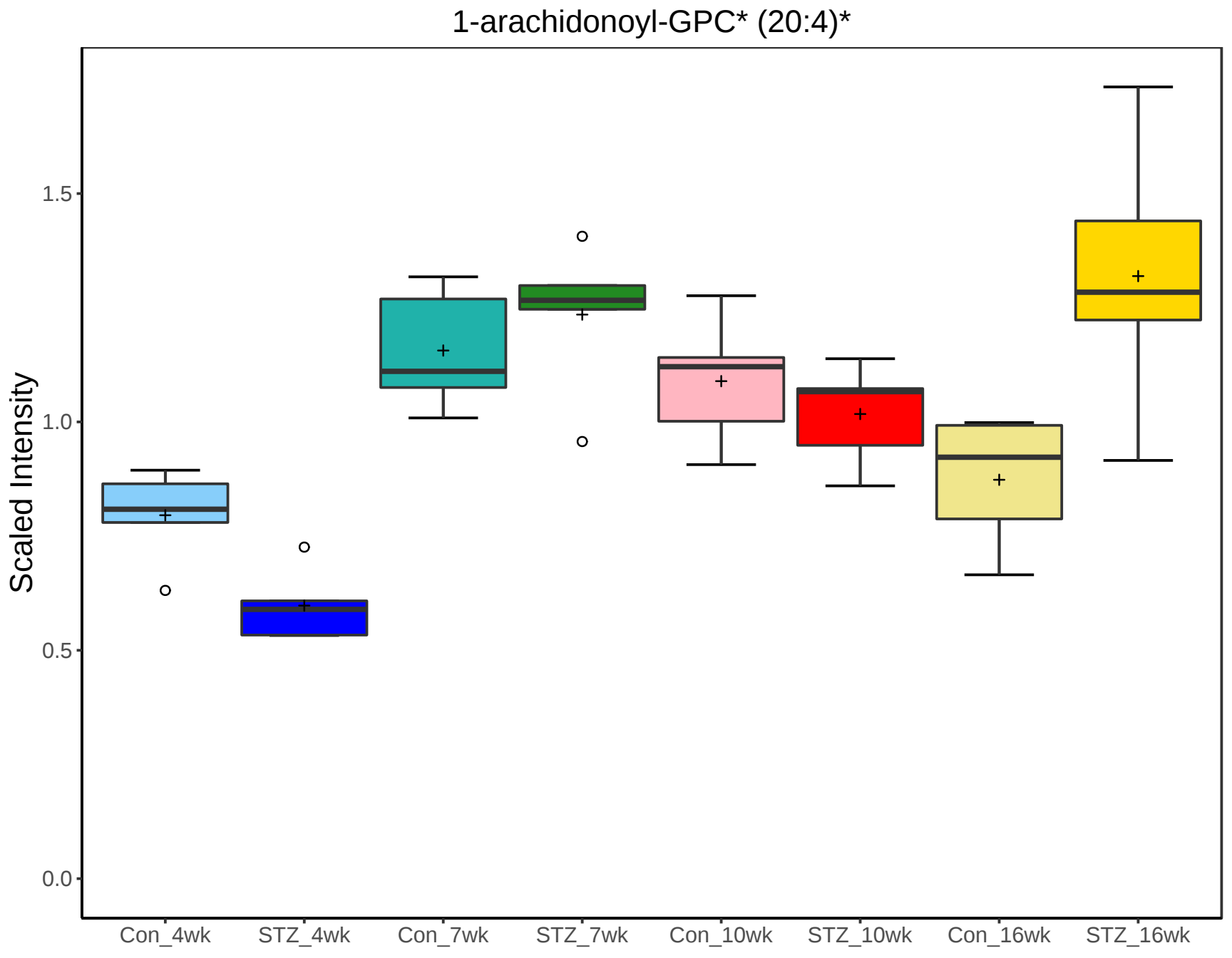

2-palmitoleoyl-GPC* (16:1)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

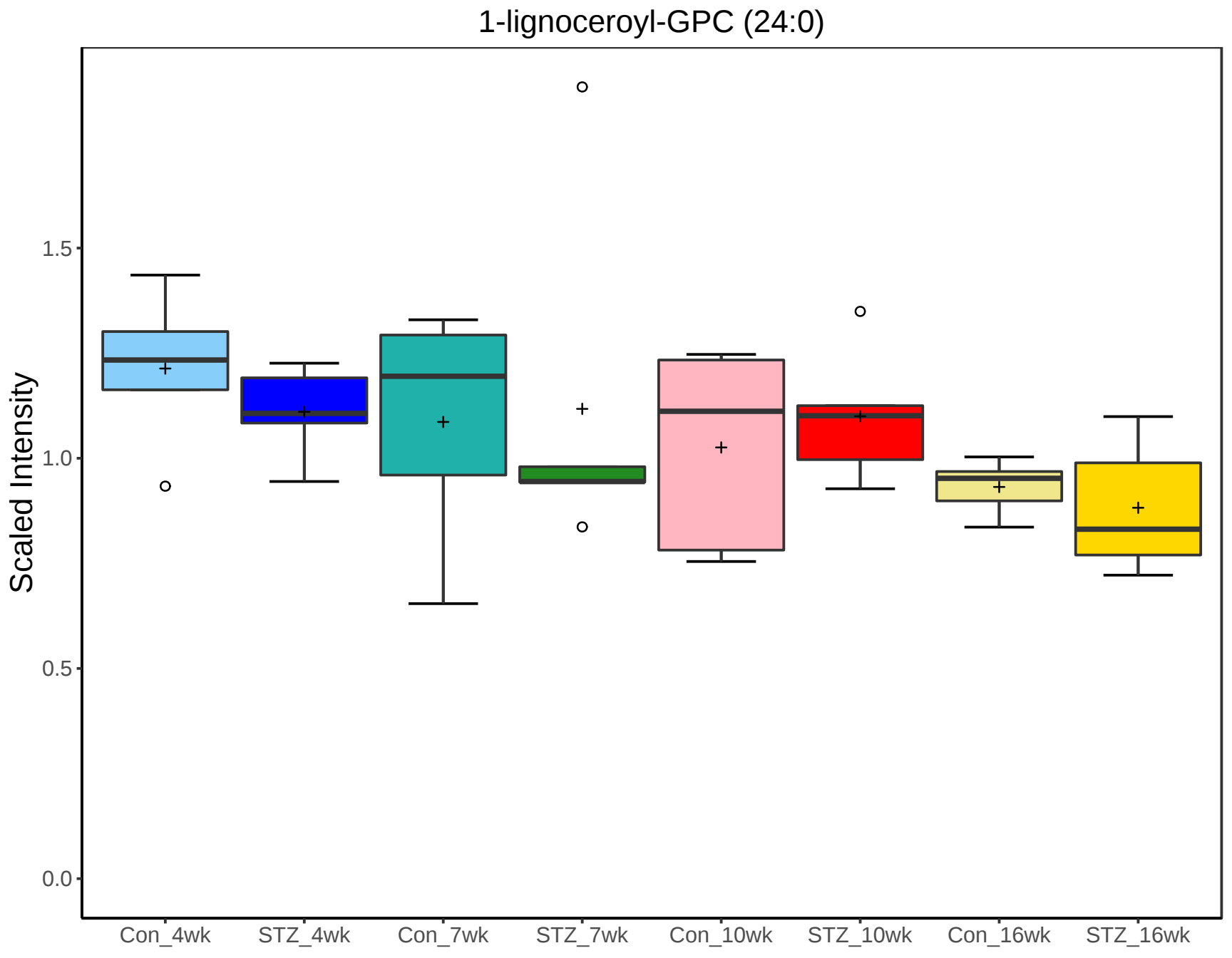

1-stearoyl-GPC (18:0)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

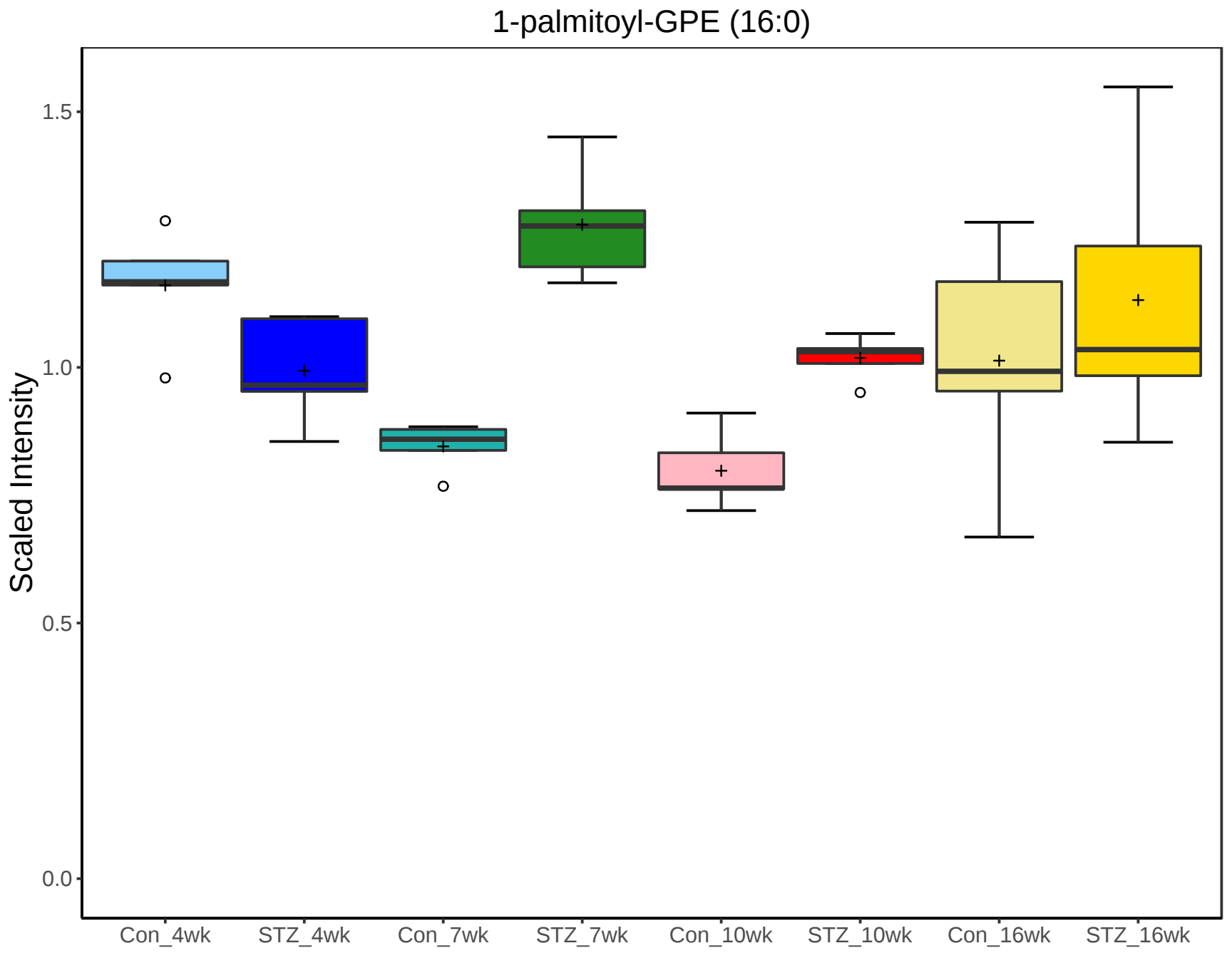

1-oleoyl-GPC (18:1)
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

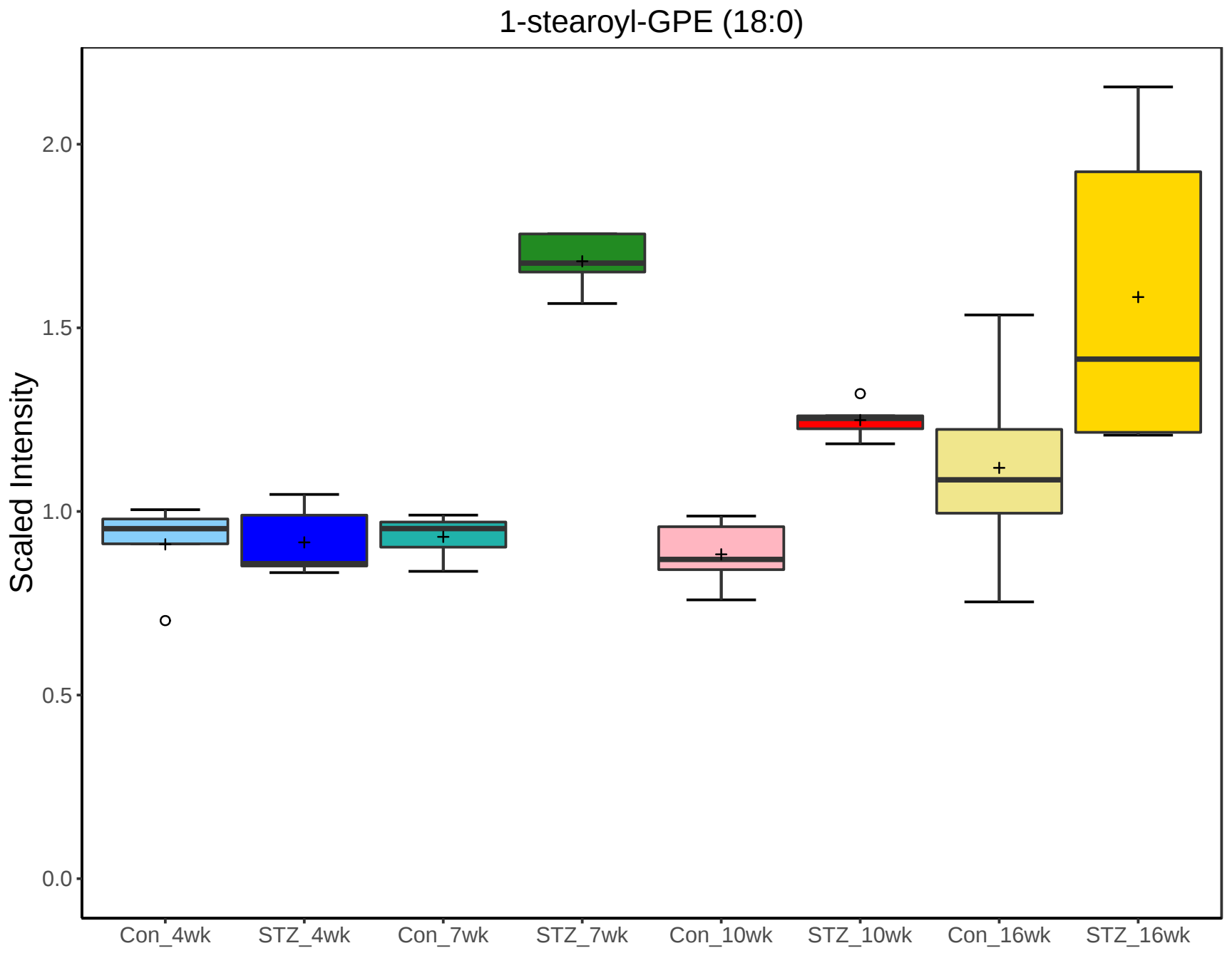

1-linoleoyl-GPC (18:2)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

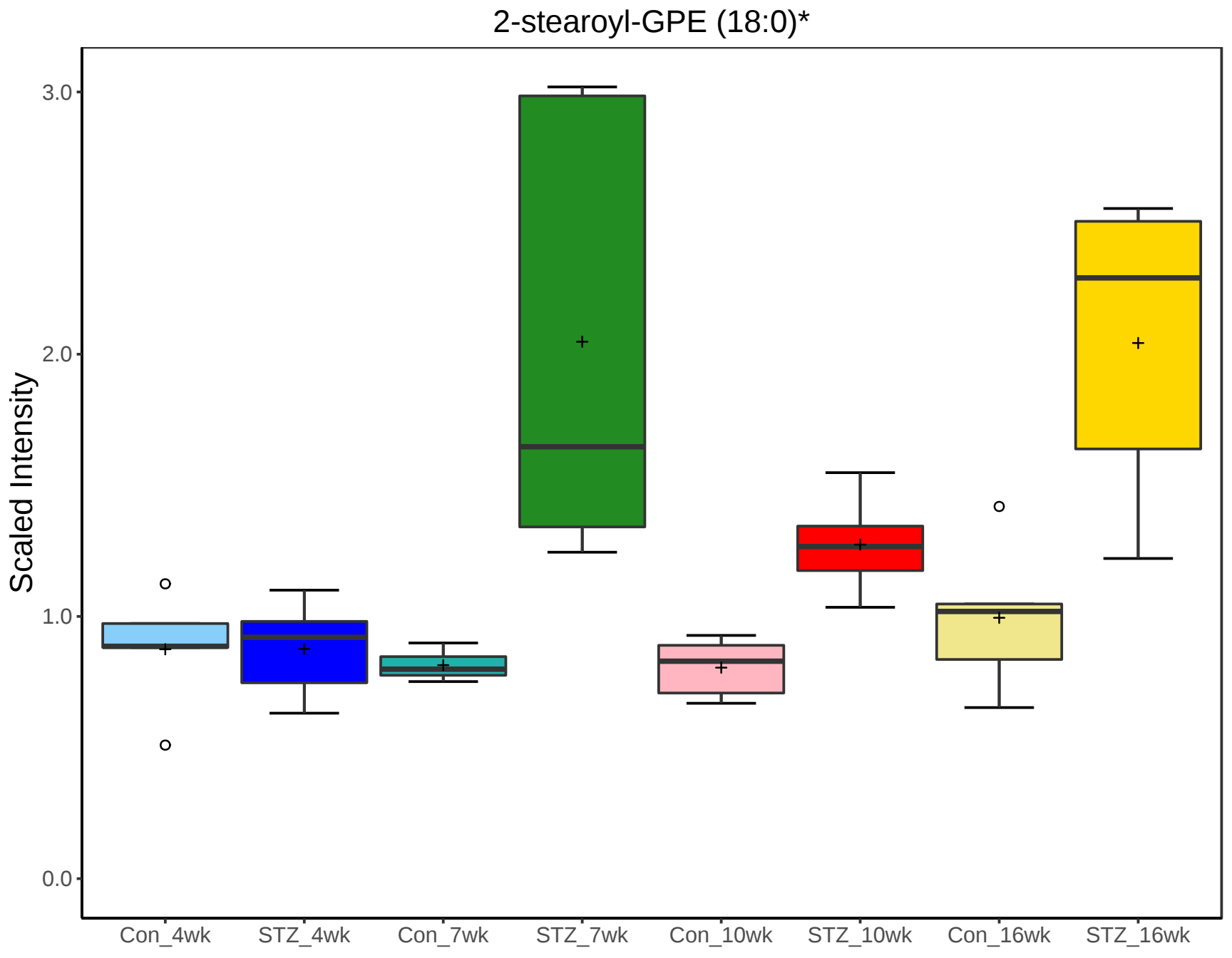

1-linolenoyl-GPC (18:3)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

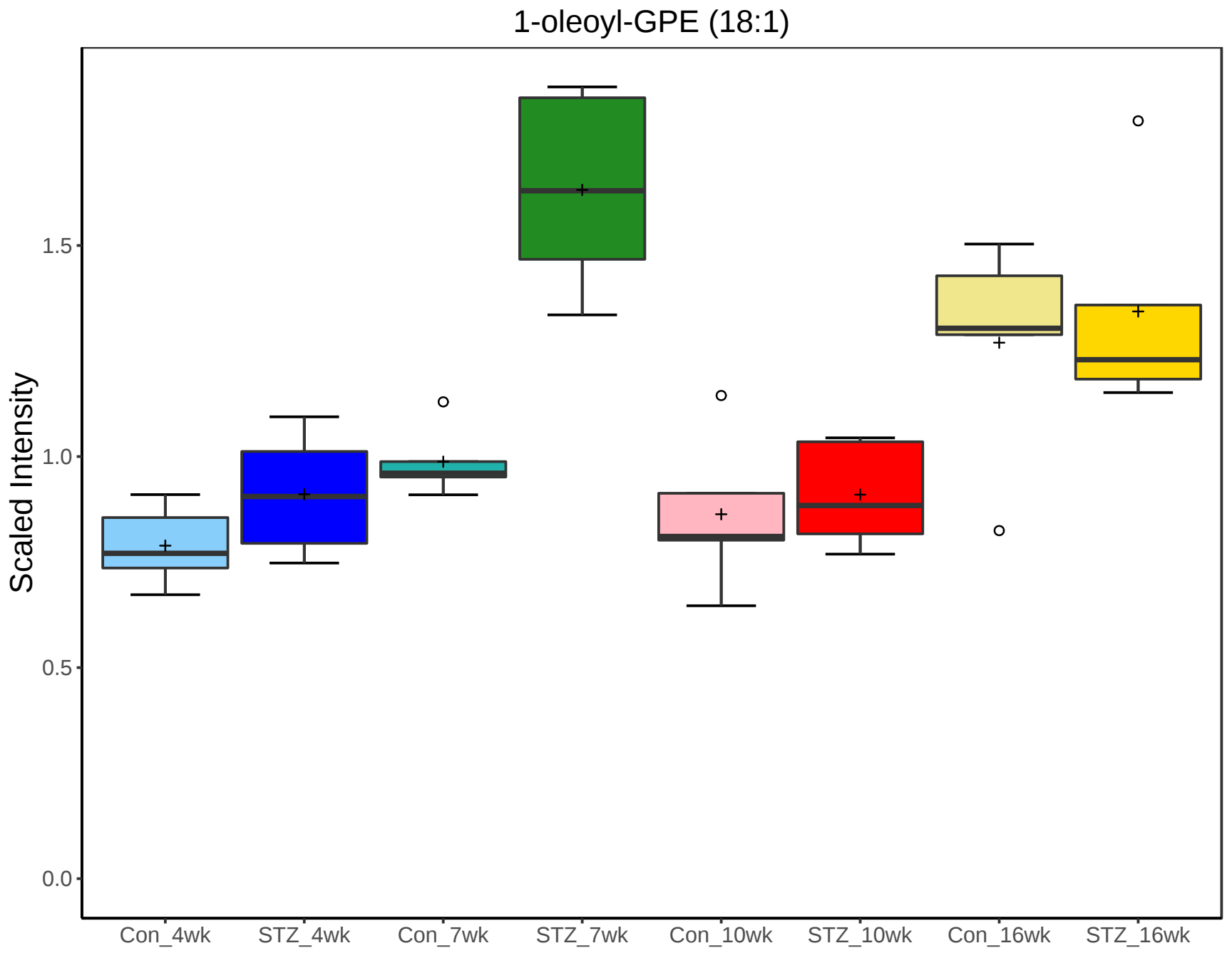

1-arachidonoyl-GPC* (20:4)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

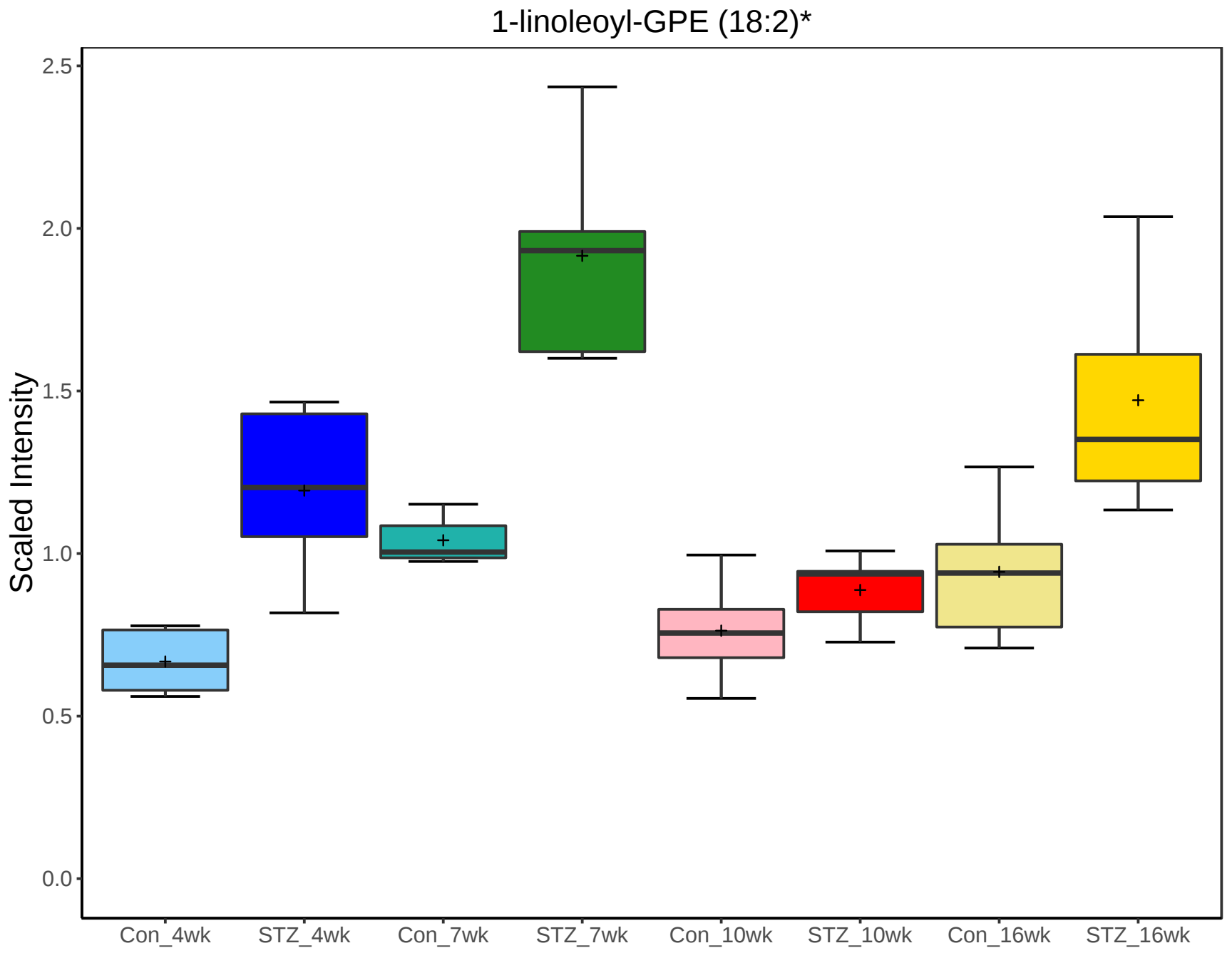

1-lignoceroyl-GPC (24:0)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

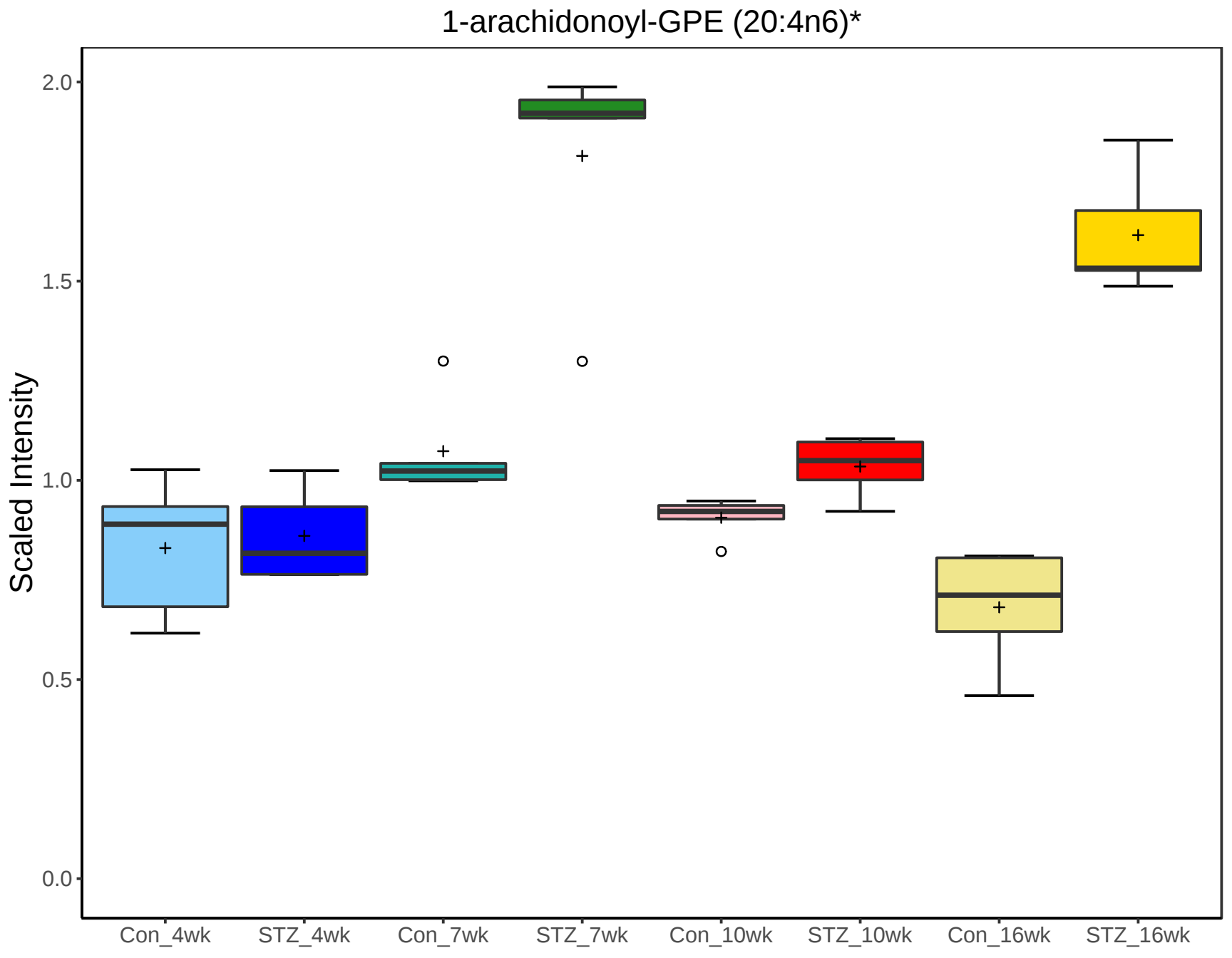

1-palmitoyl-GPE (16:0)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

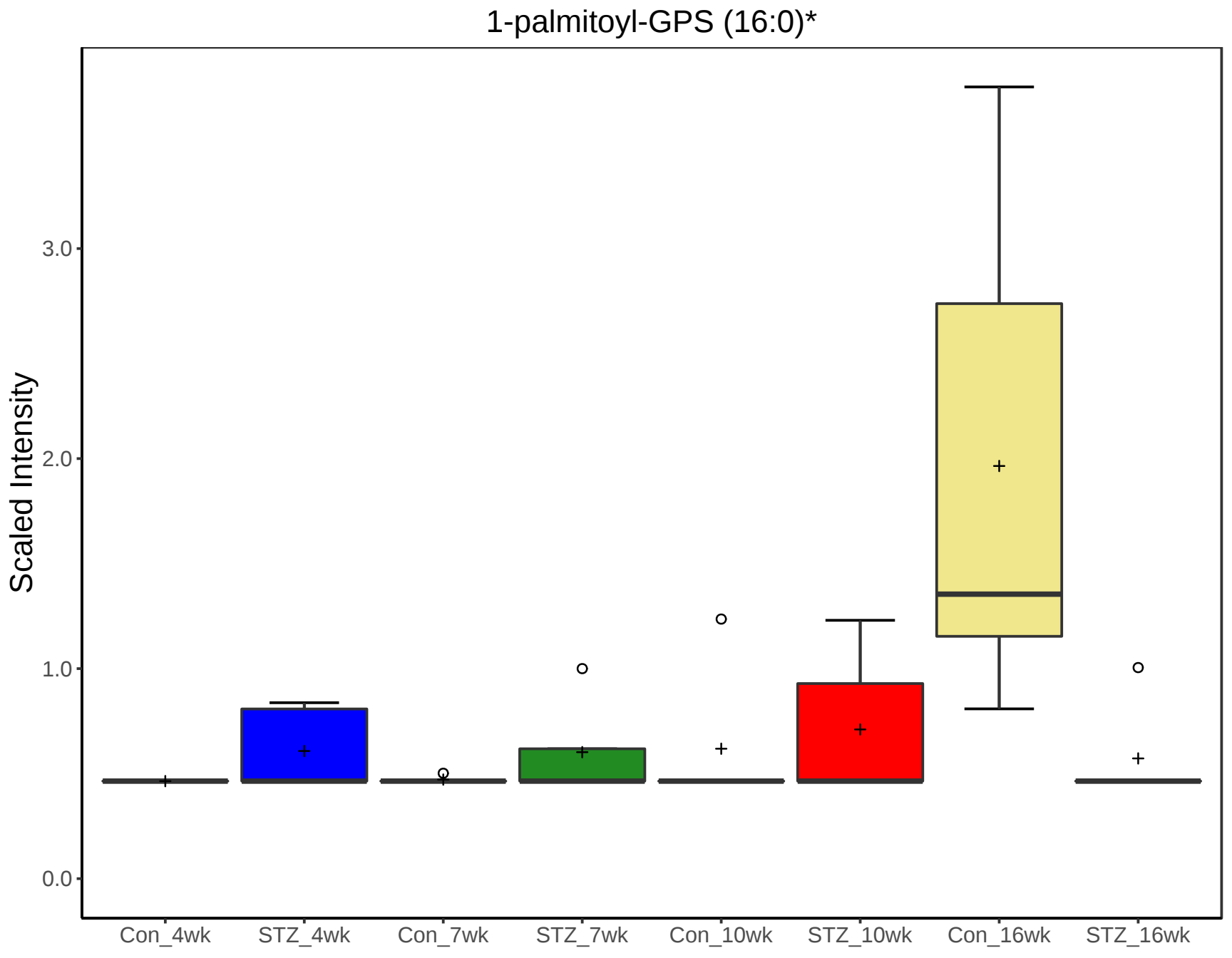

1-stearoyl-GPE (18:0)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

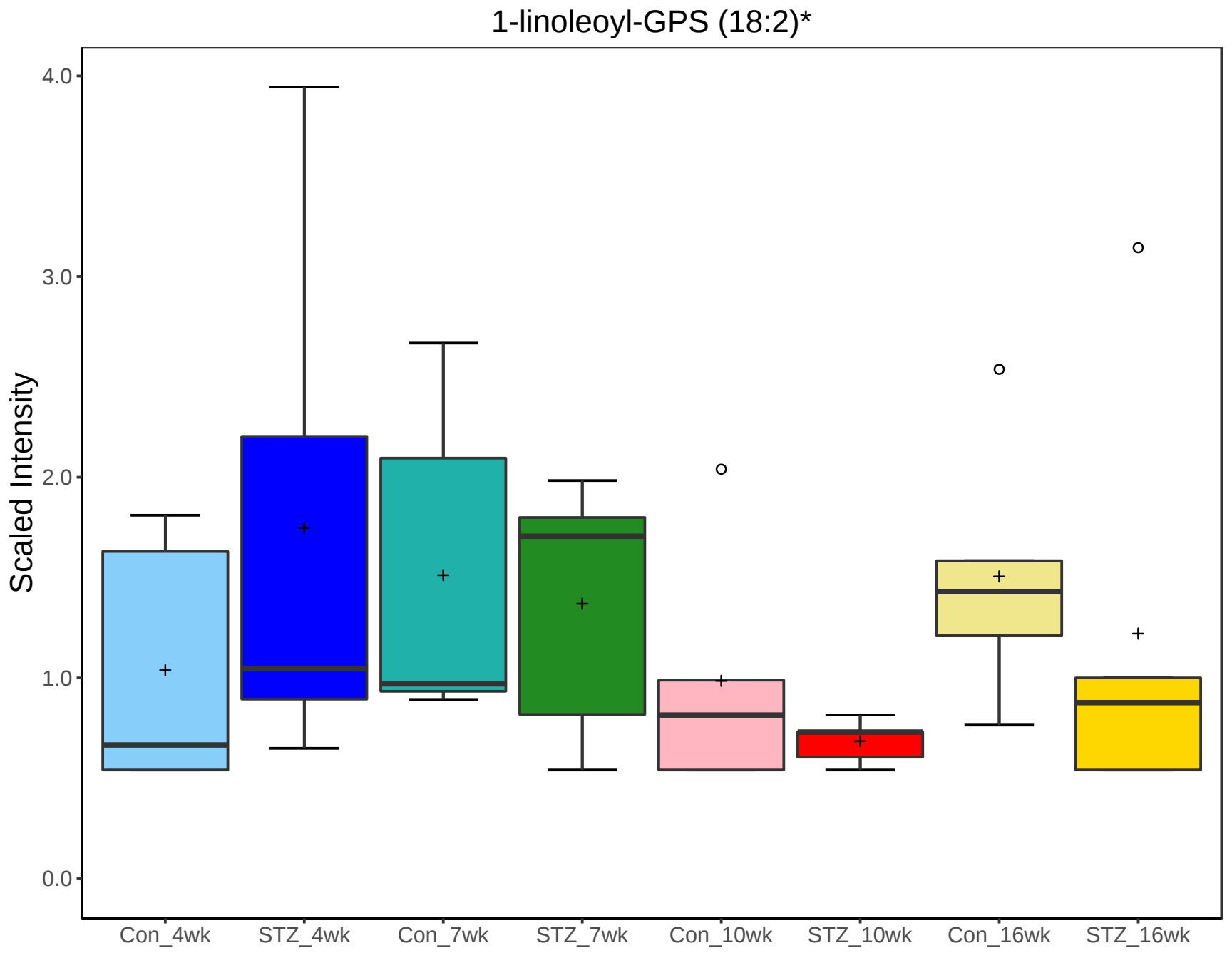

2-stearoyl-GPE (18:0)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

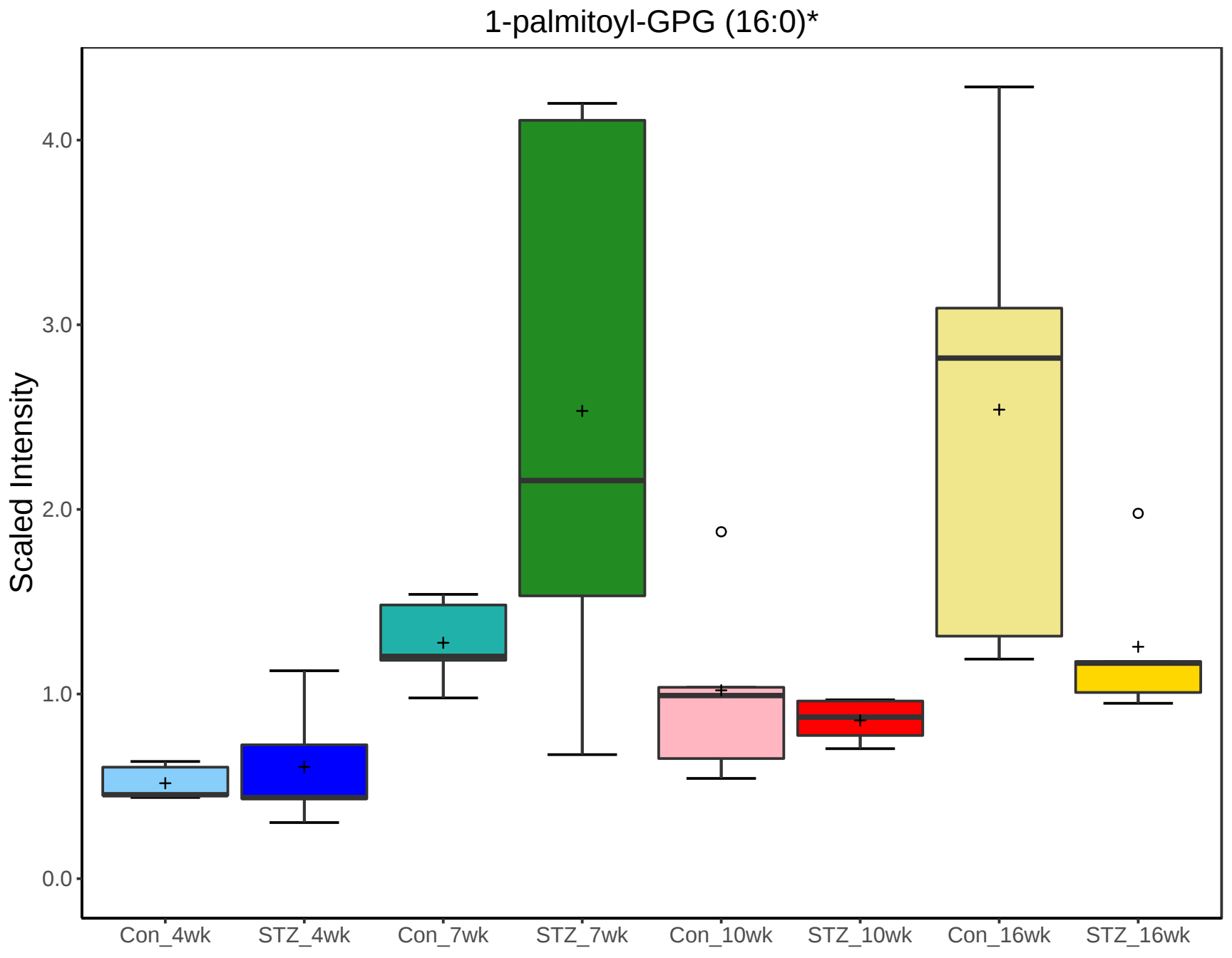

1-oleoyl-GPE (18:1)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

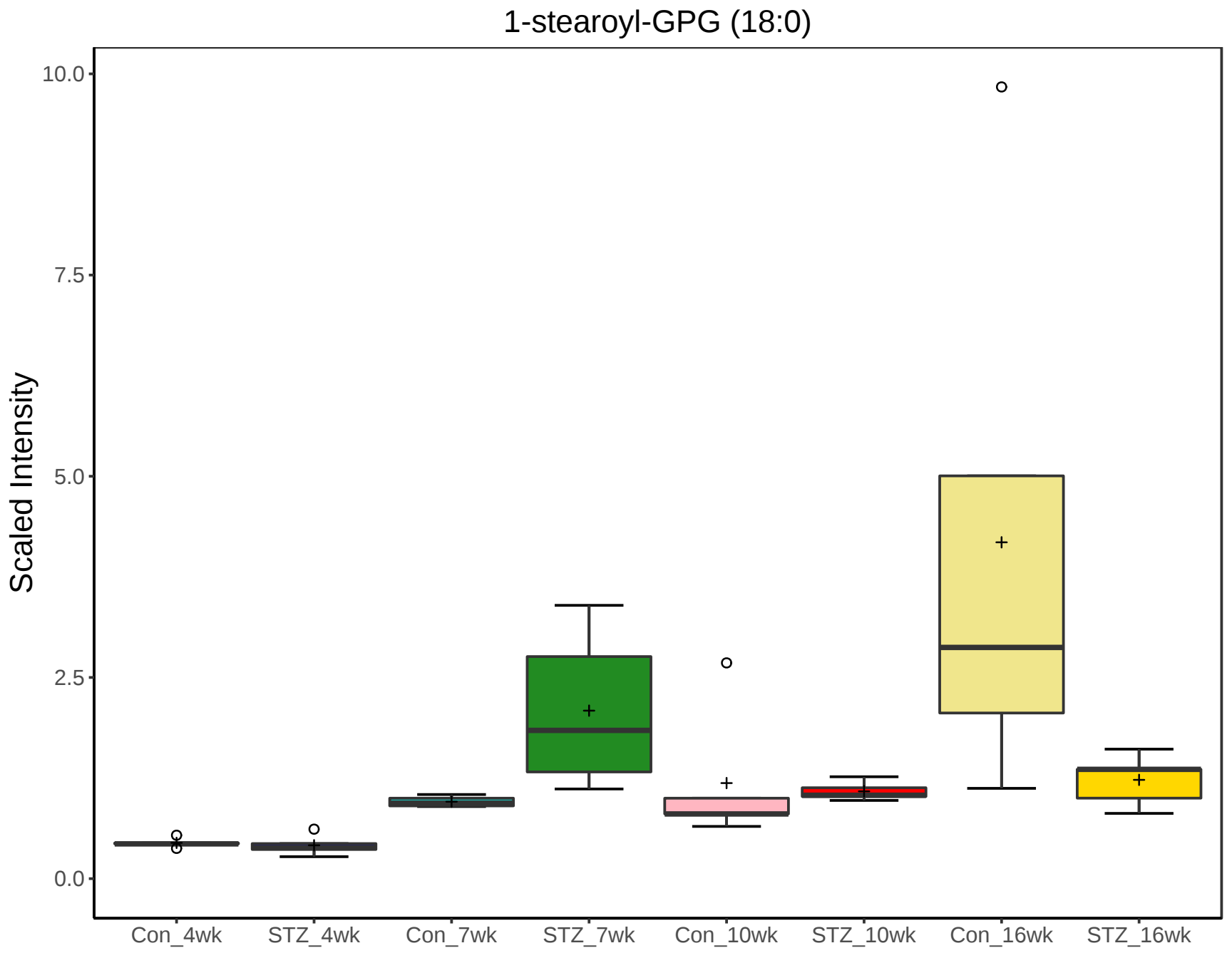

1-linoleoyl-GPE (18:2)*
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

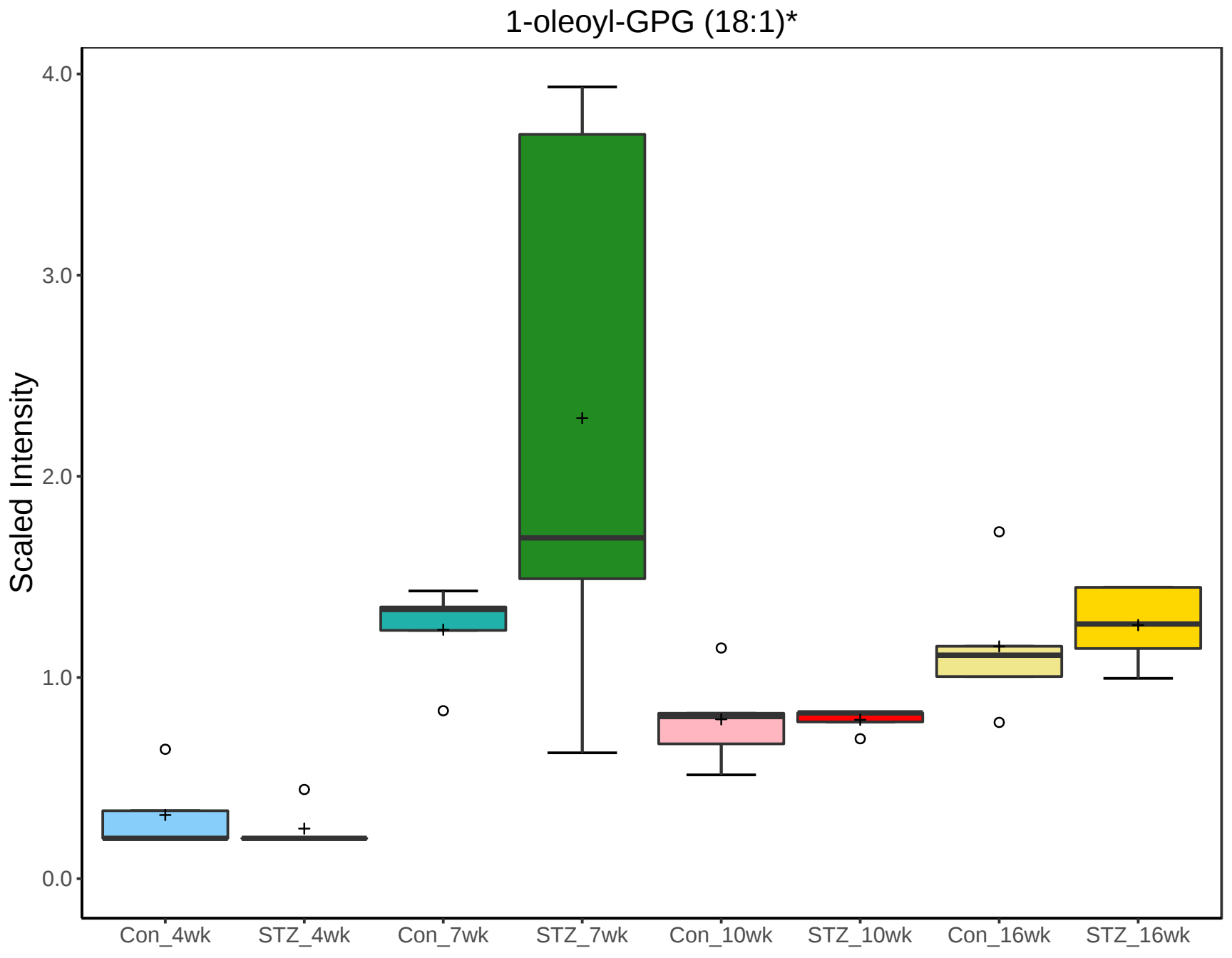

1-arachidonoyl-GPE (20:4n6)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

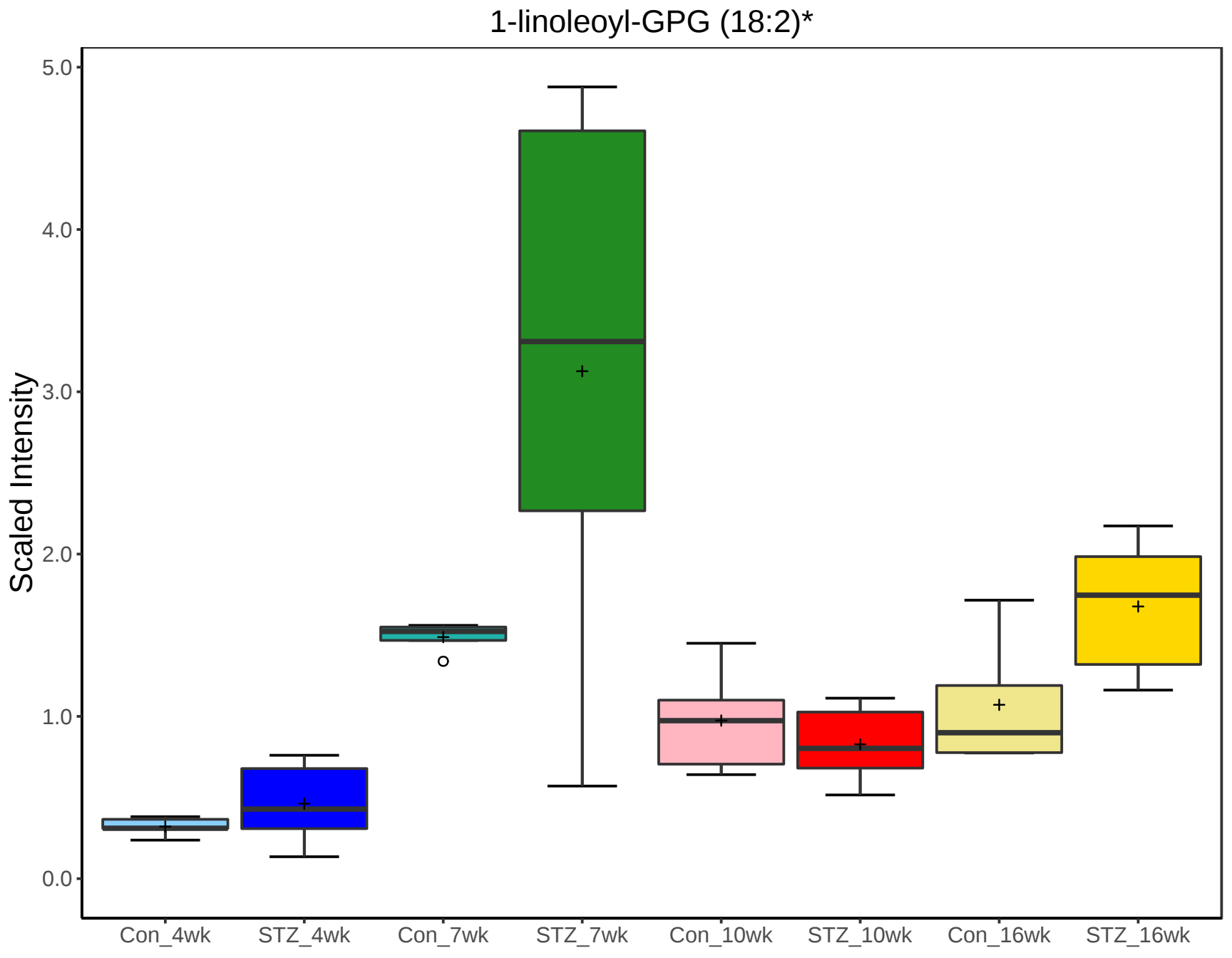

1-palmitoyl-GPS (16:0)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

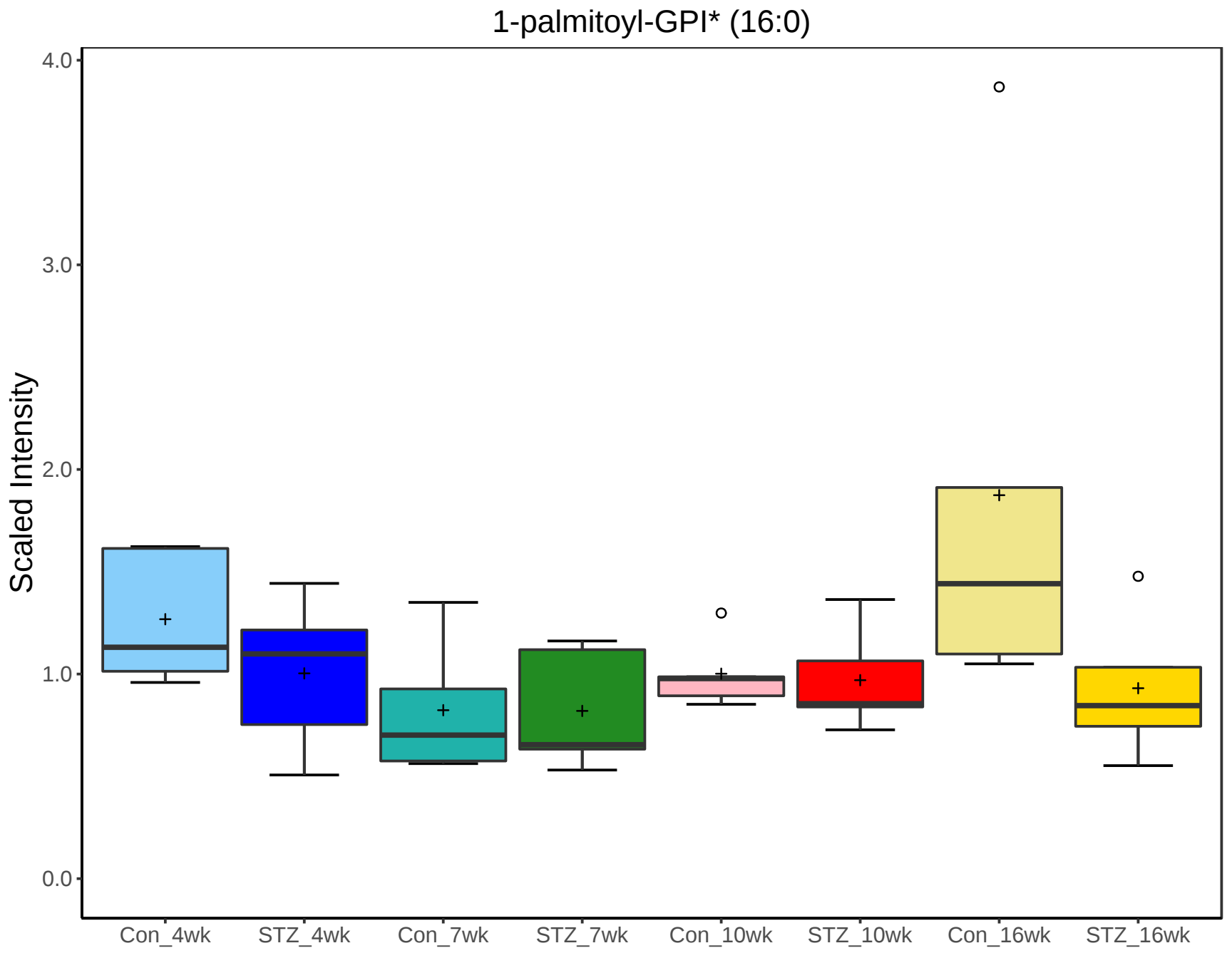

1-linoleoyl-GPS (18:2)*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

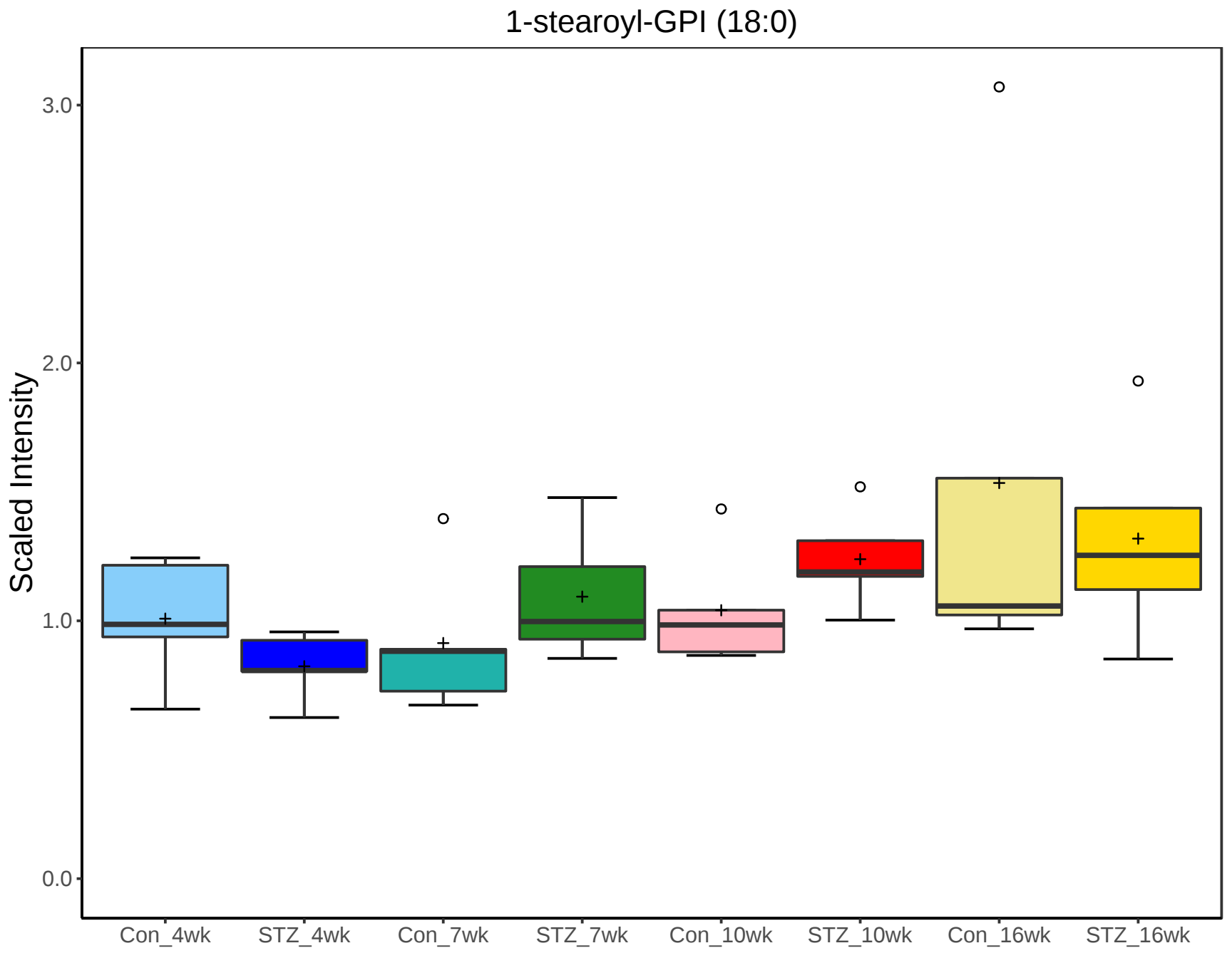

1-palmitoyl-GPG (16:0)*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

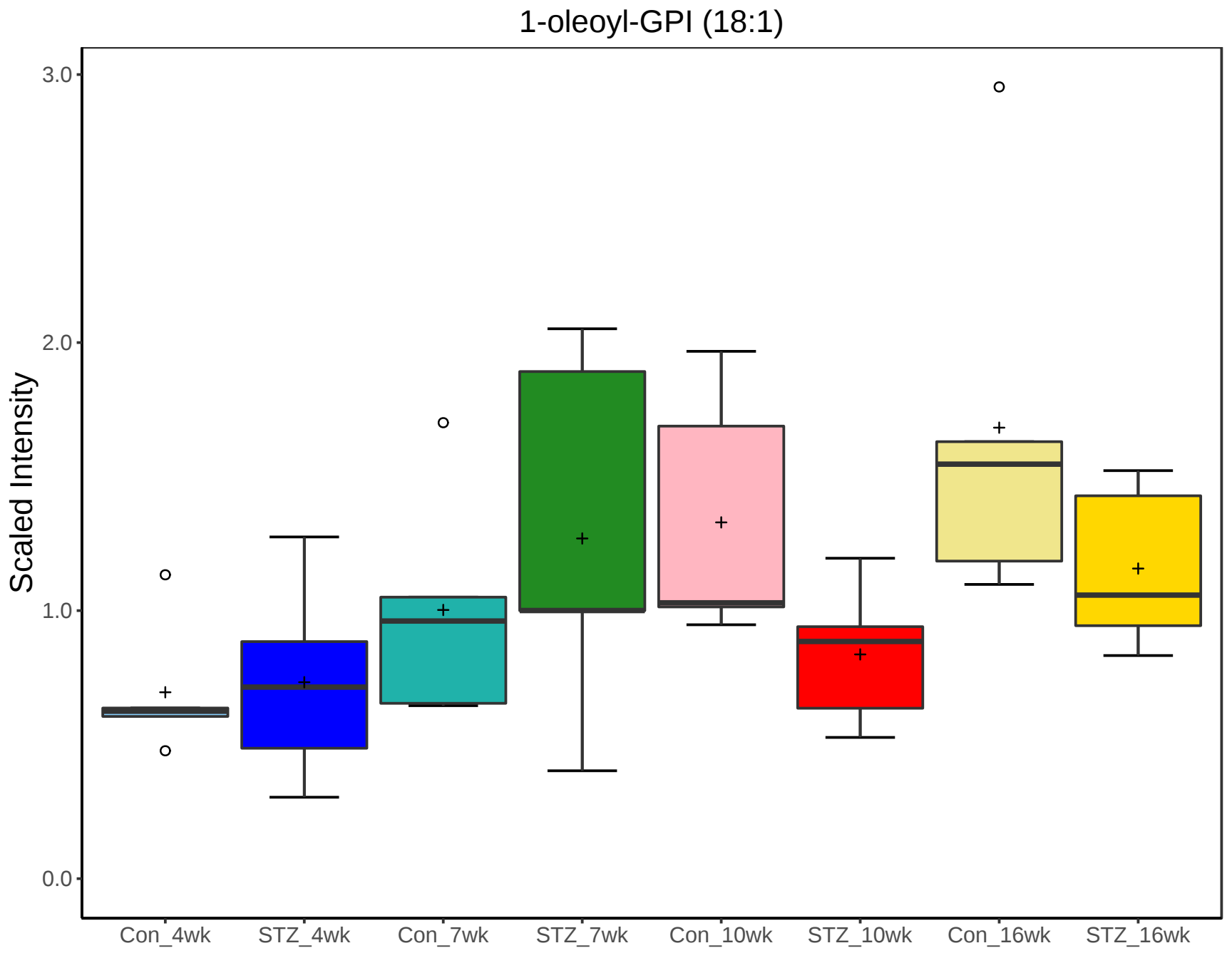

1-stearoyl-GPG (18:0)
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

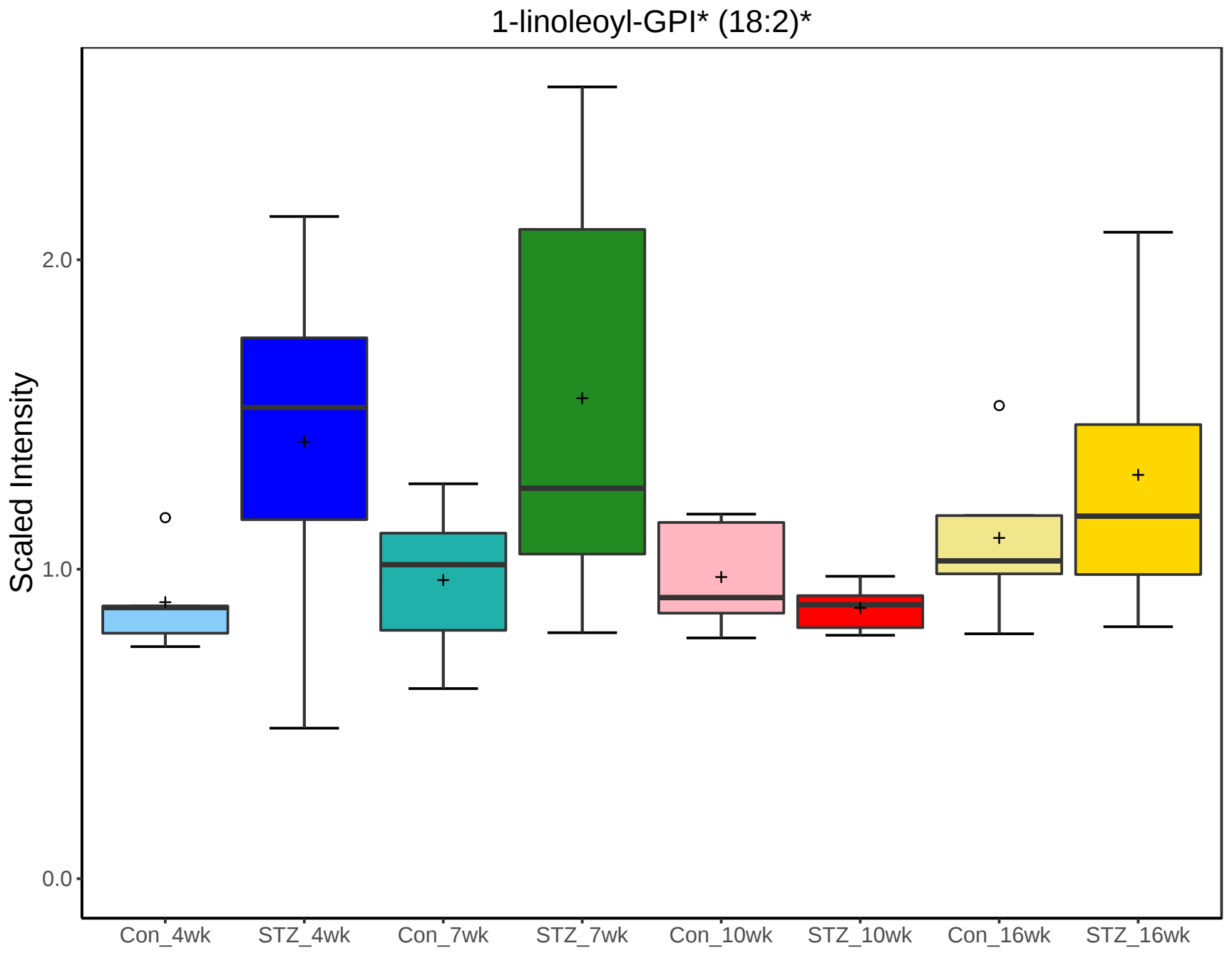

1-oleoyl-GPG (18:1)*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

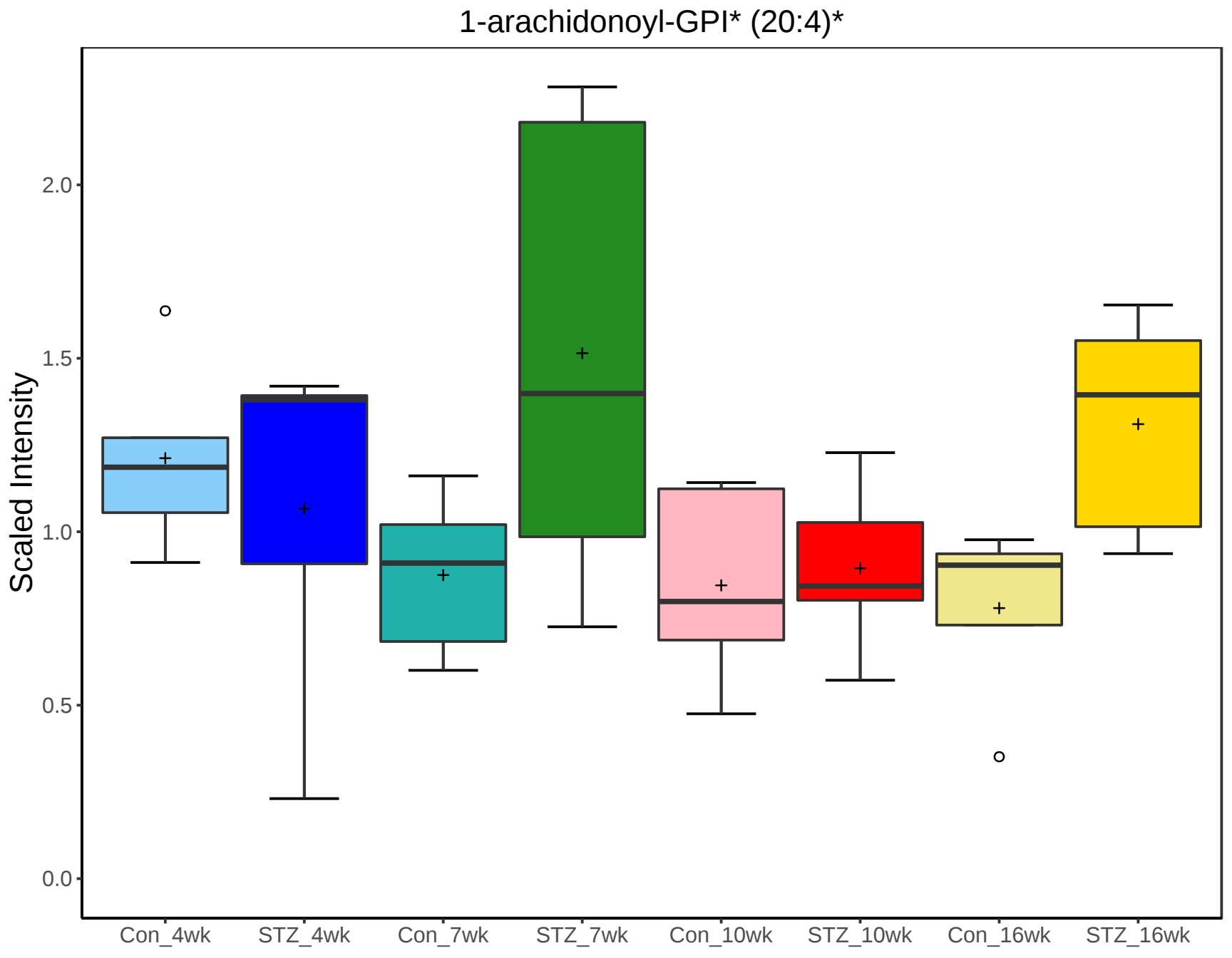

1-linoleoyl-GPG (18:2)*
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

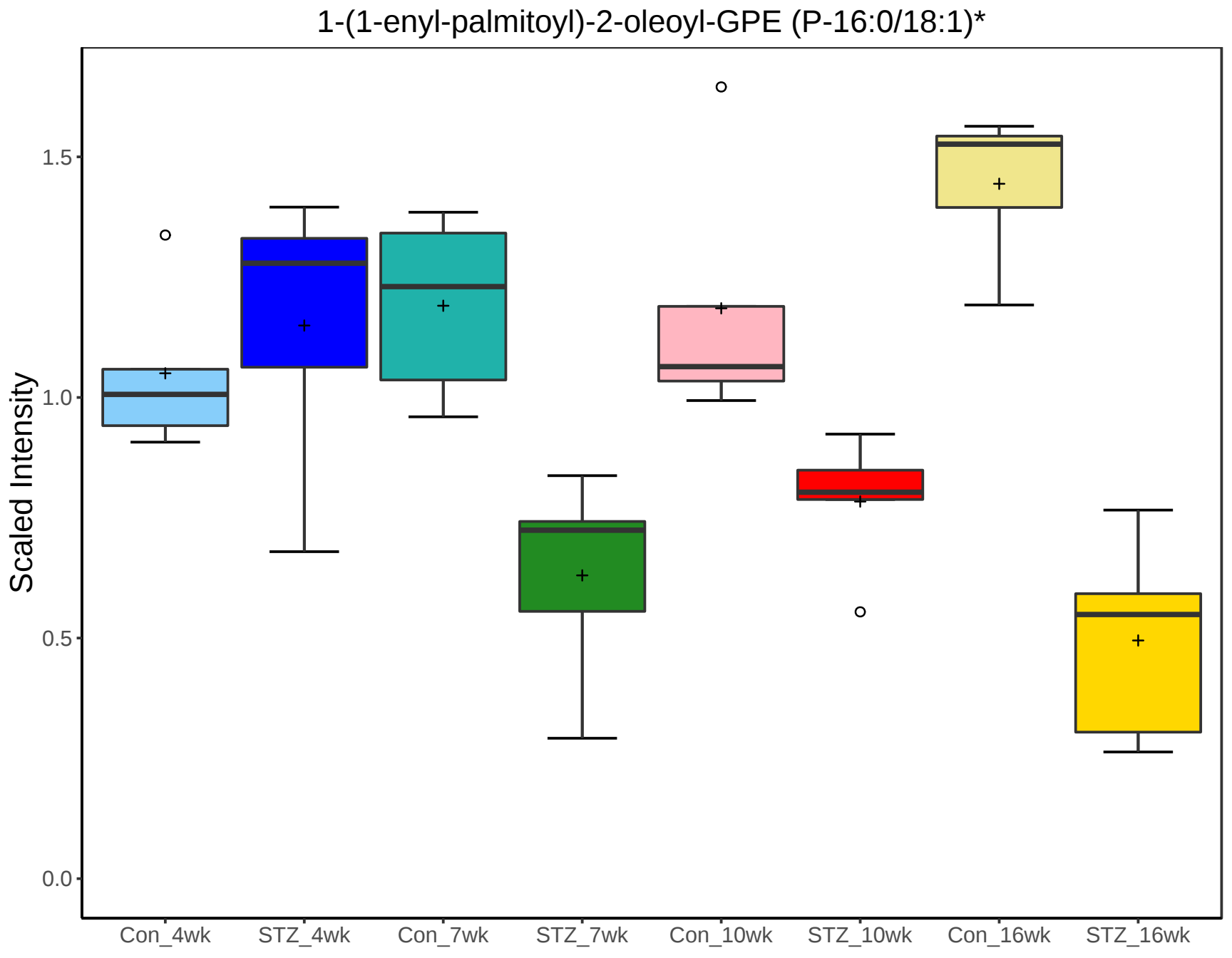

1-palmitoyl-GPI* (16:0)
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

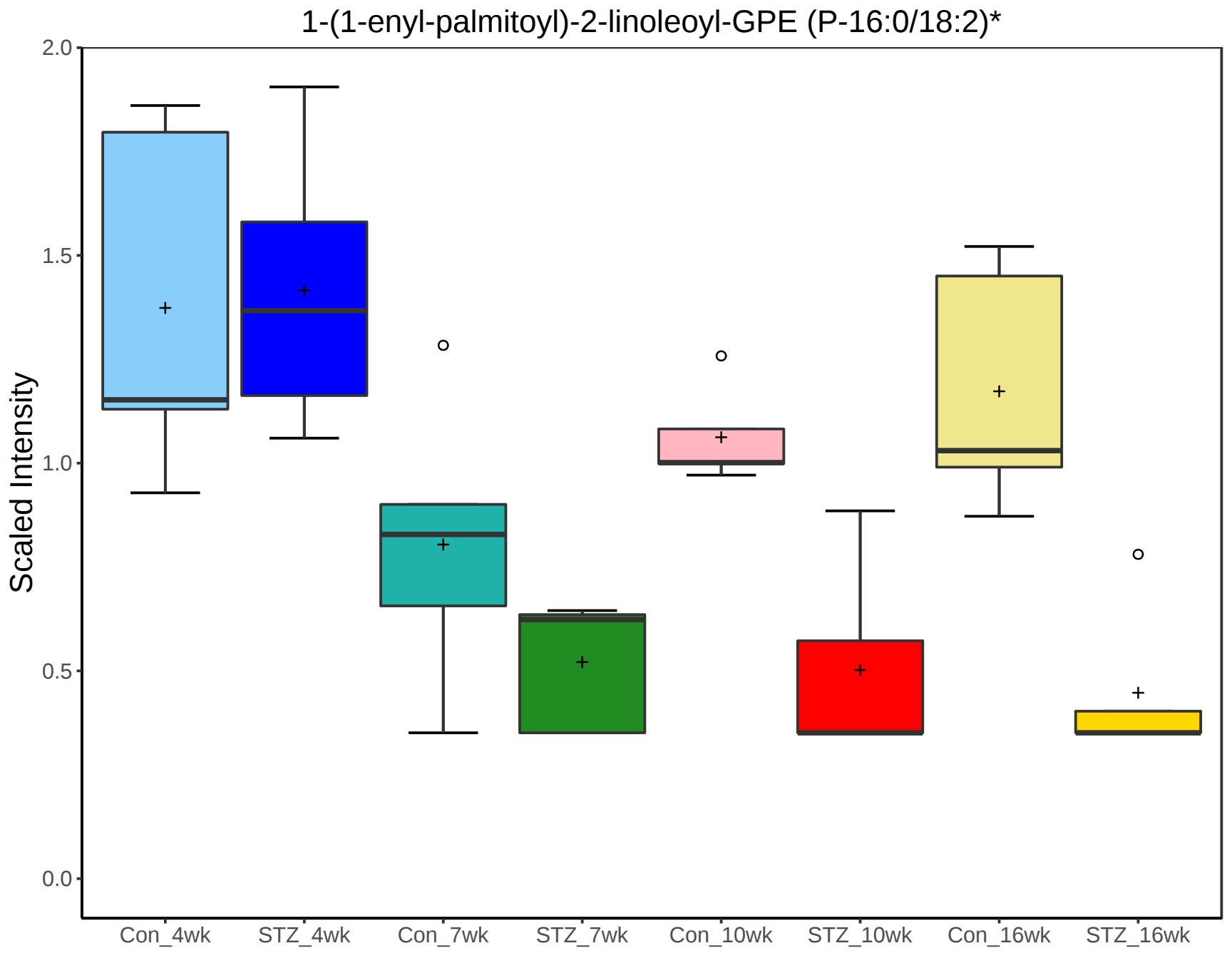

1-stearoyl-GPI (18:0)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

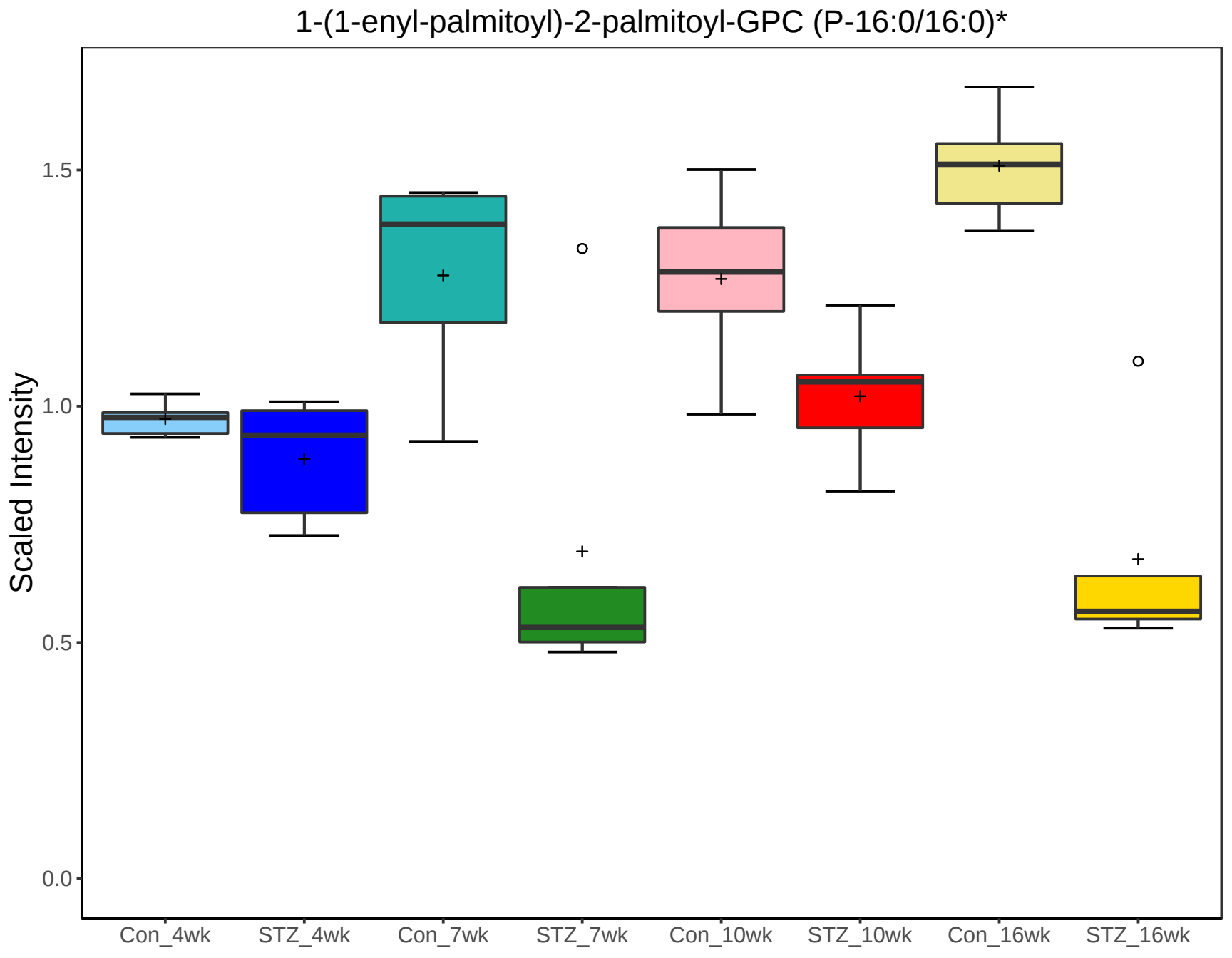

1-oleoyl-GPI (18:1)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

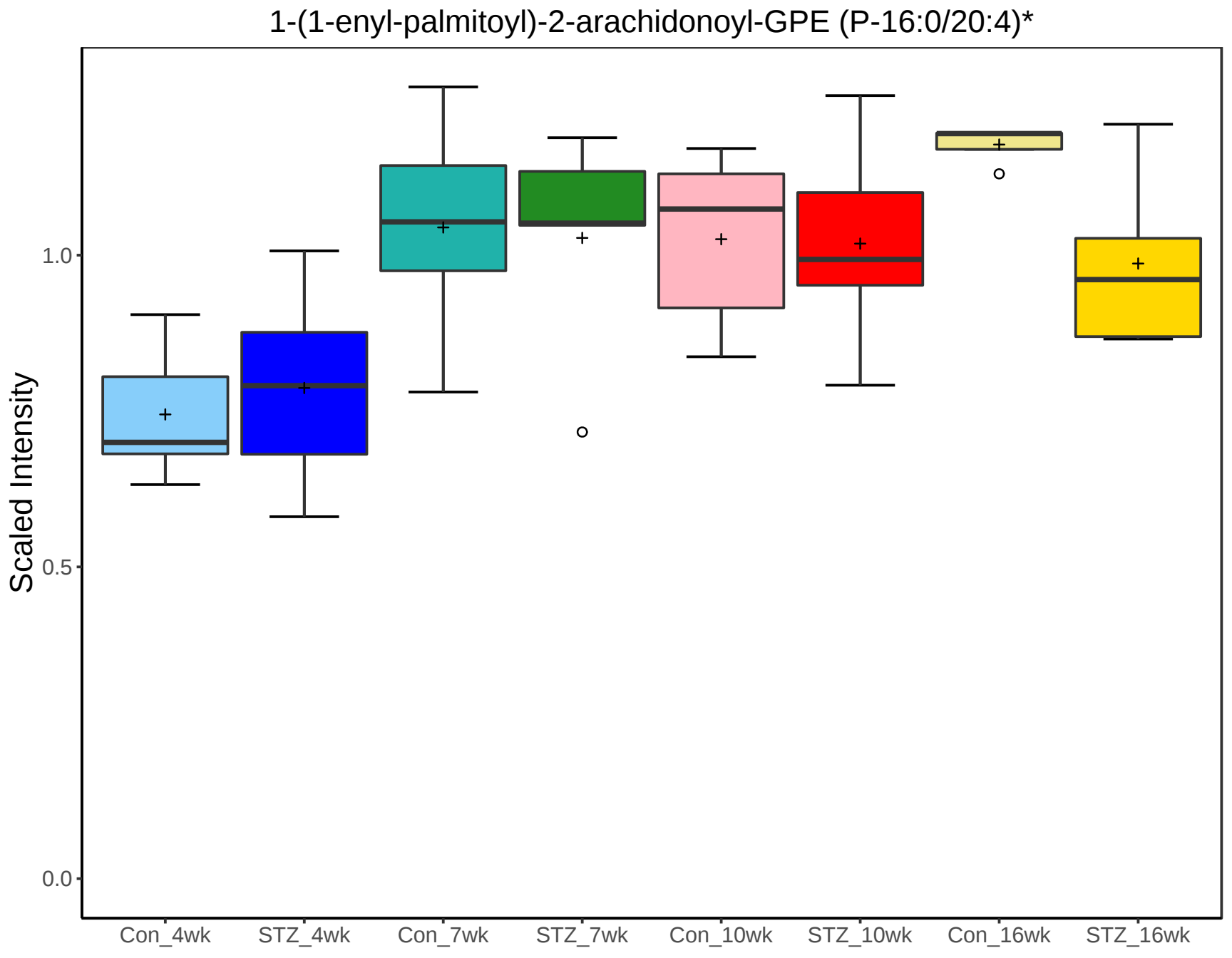

1-linoleoyl-GPI* (18:2)*
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

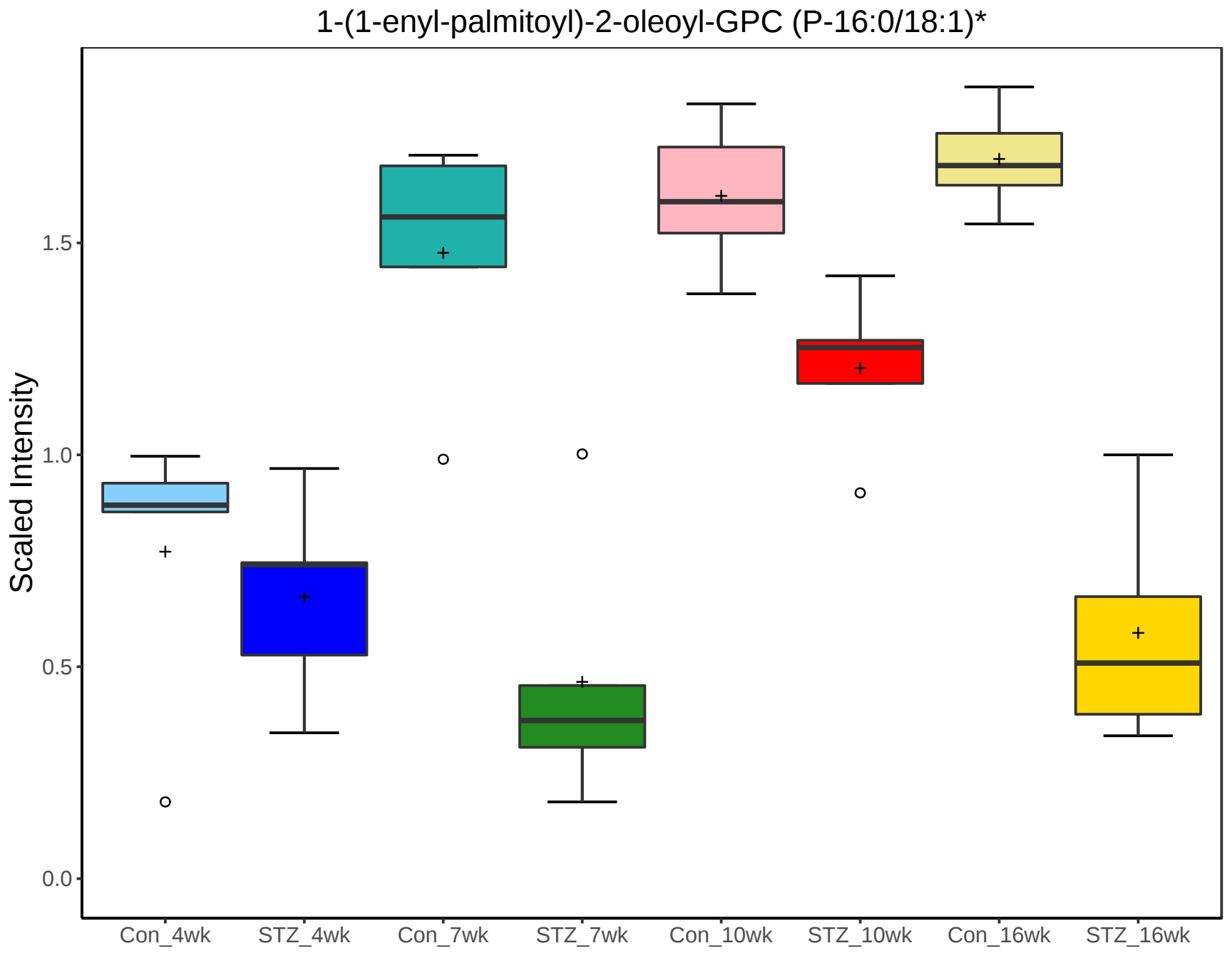

1-arachidonoyl-GPI* (20:4)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

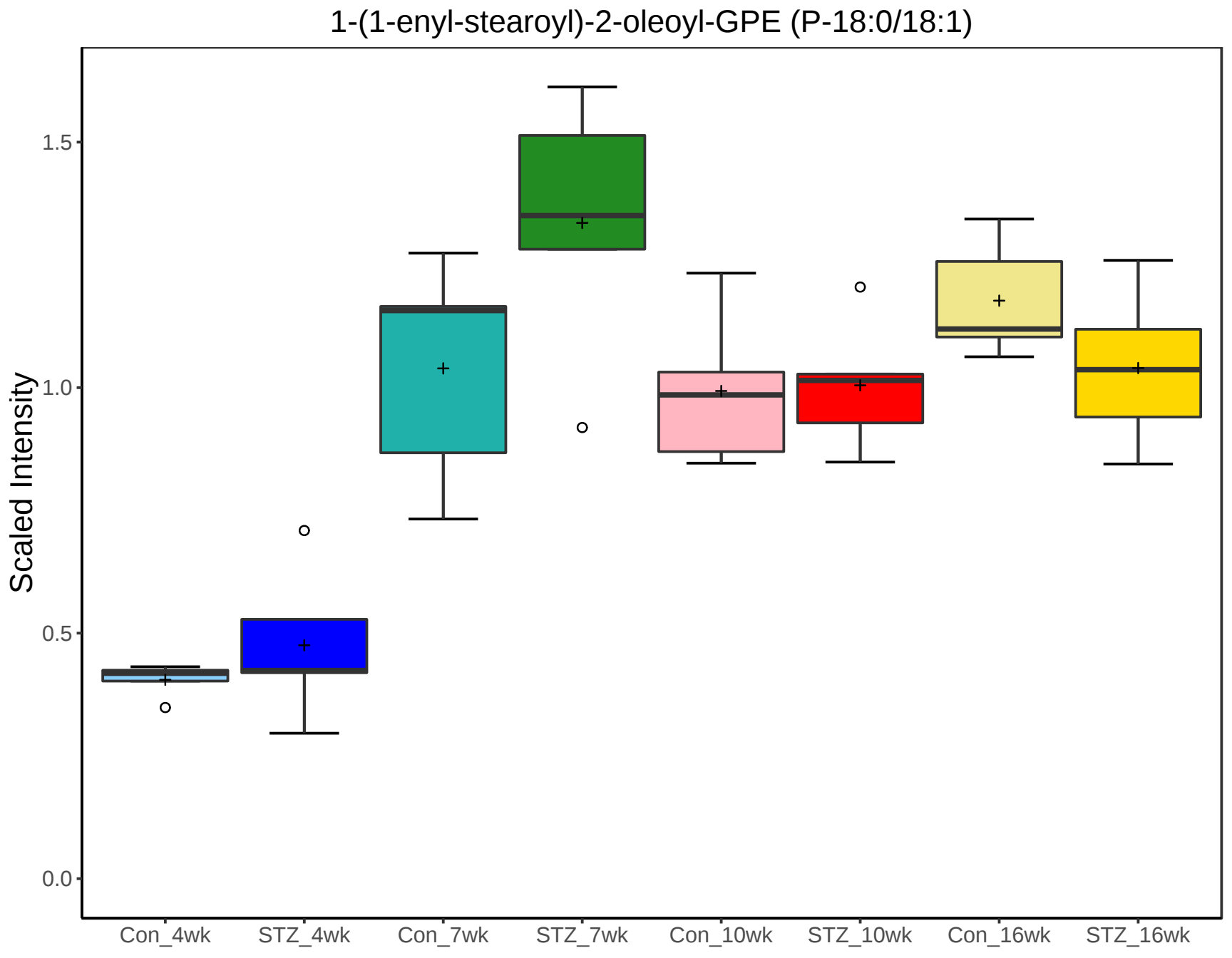

1-(1-enyl-palmitoyl)-2-oleoyl-GPE (P-16:0/18:1)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

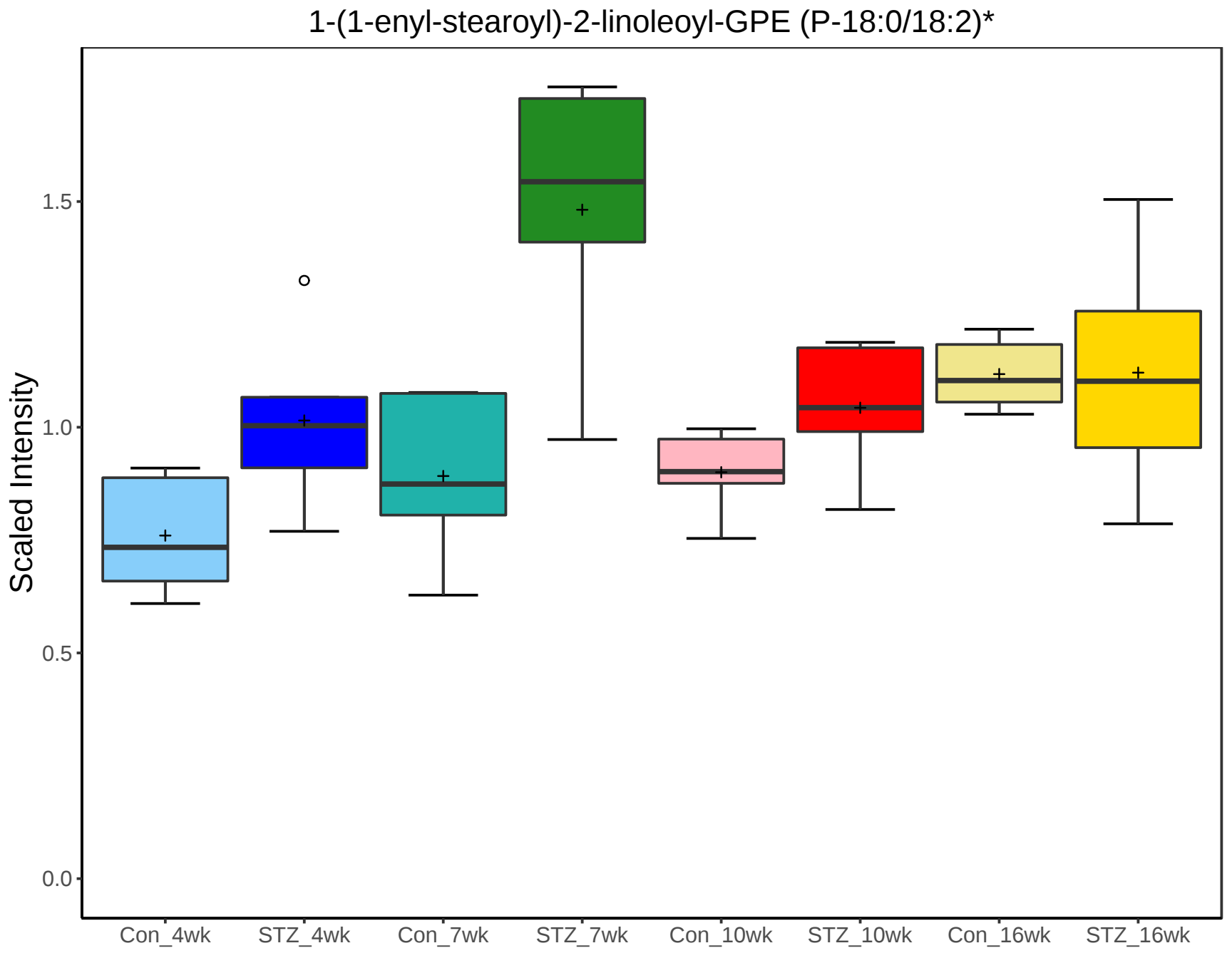

1-(1-enyl-palmitoyl)-2-linoleoyl-GPE (P-16:0/18:2)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

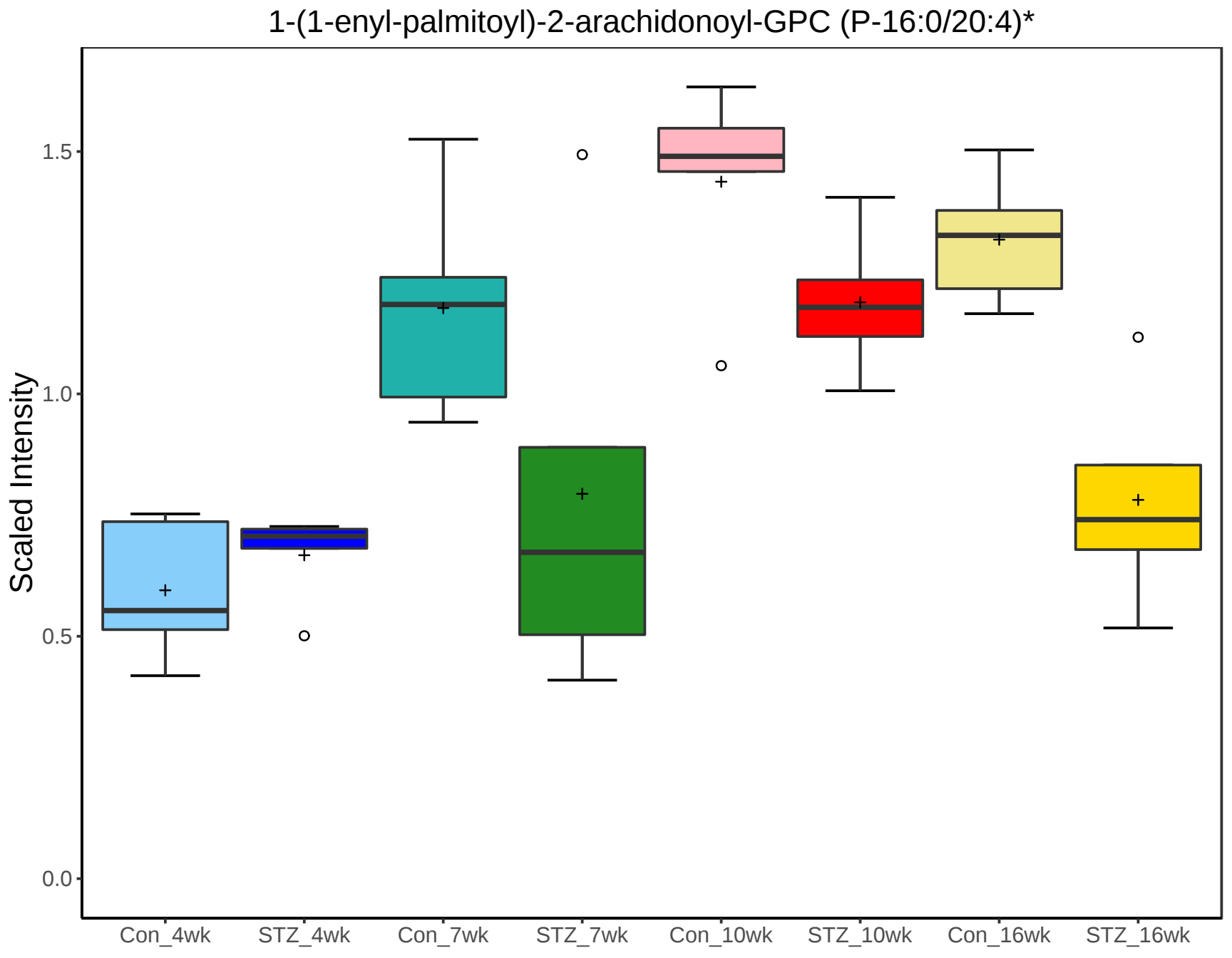

1-(1-enyl-palmitoyl)-2-palmitoyl-GPC (P-16:0/16:0)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

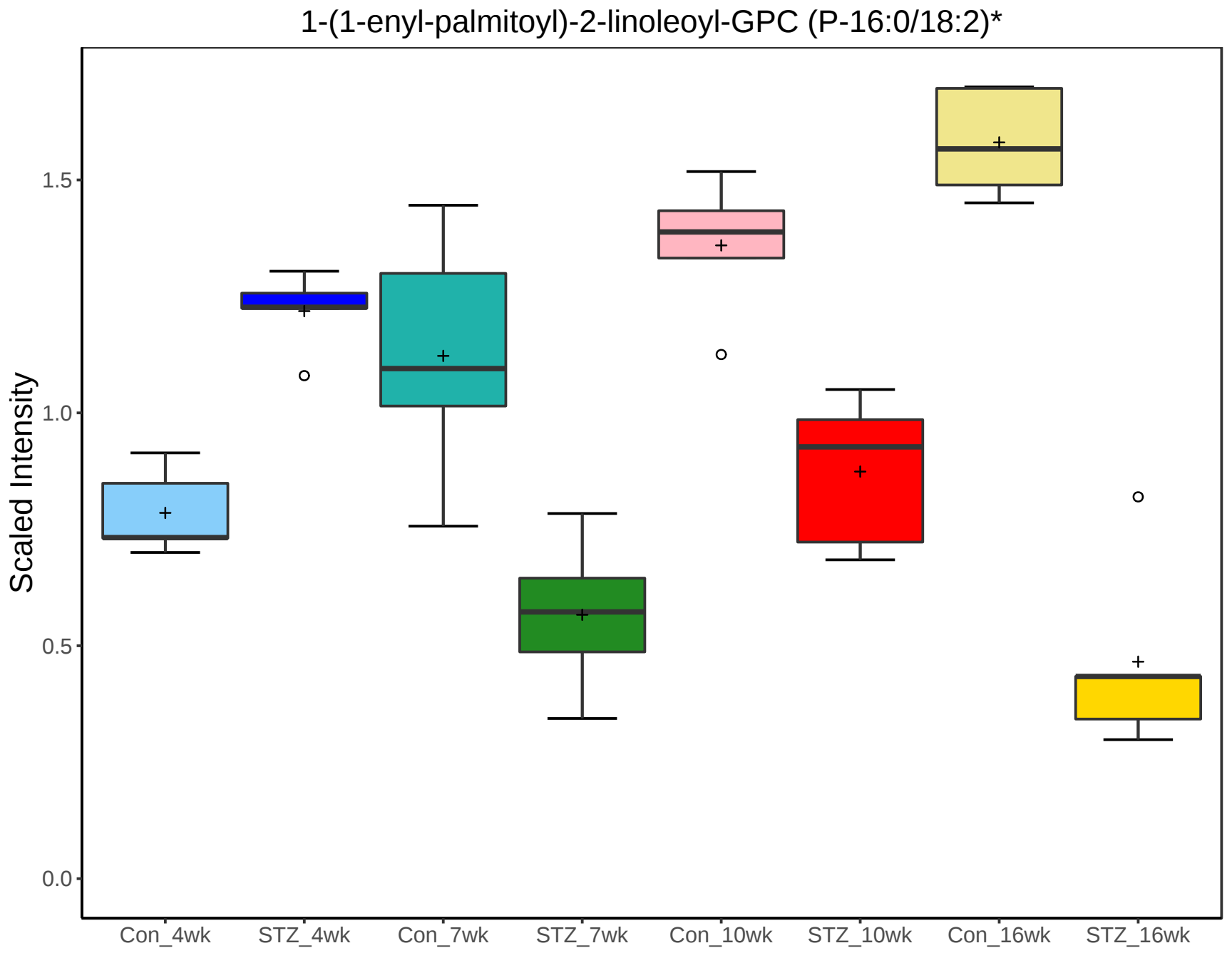

1-(1-enyl-palmitoyl)-2-arachidonoyl-GPE (P-16:0/20:4)*
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

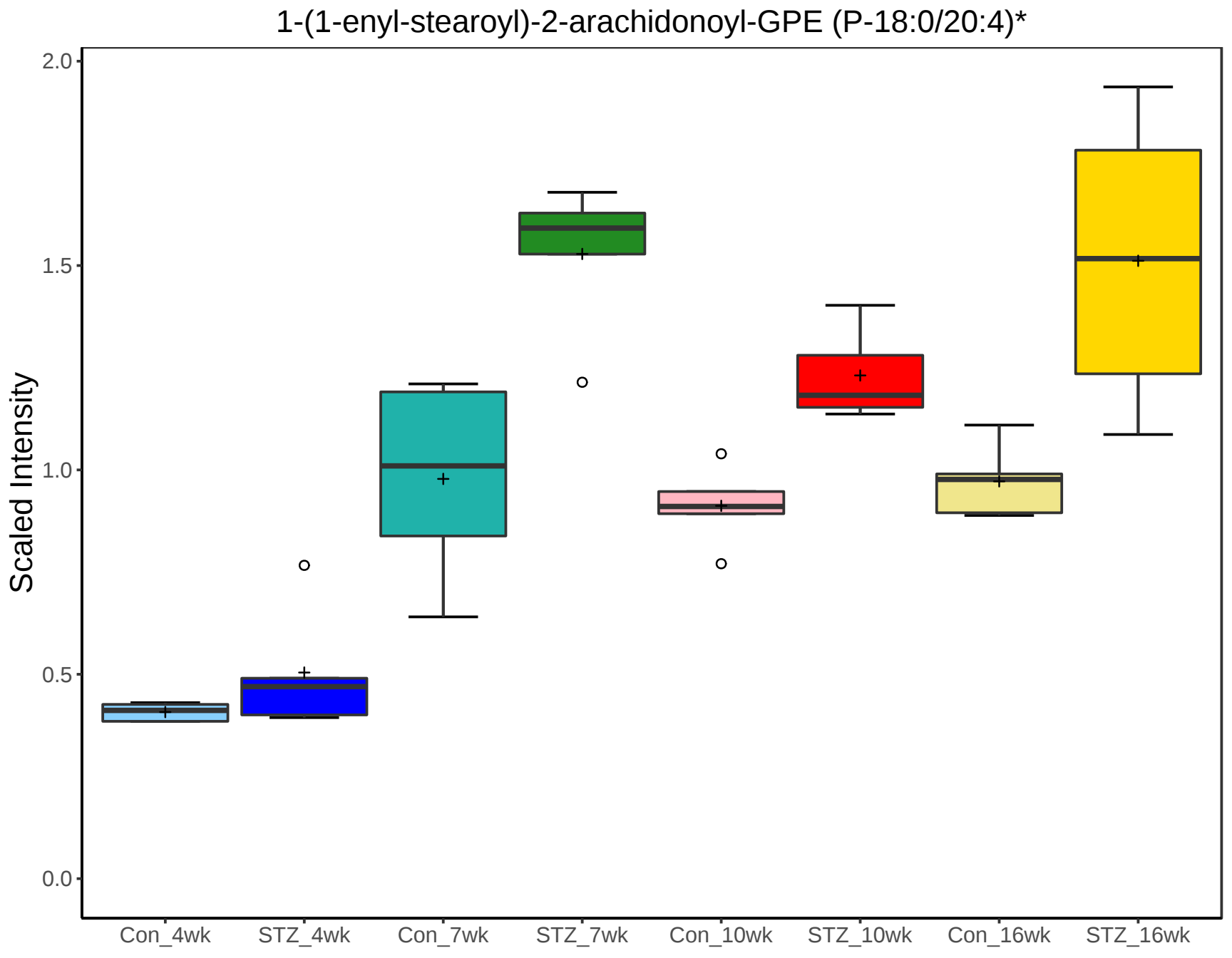

1-(1-enyl-palmitoyl)-2-oleoyl-GPC (P-16:0/18:1)*
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

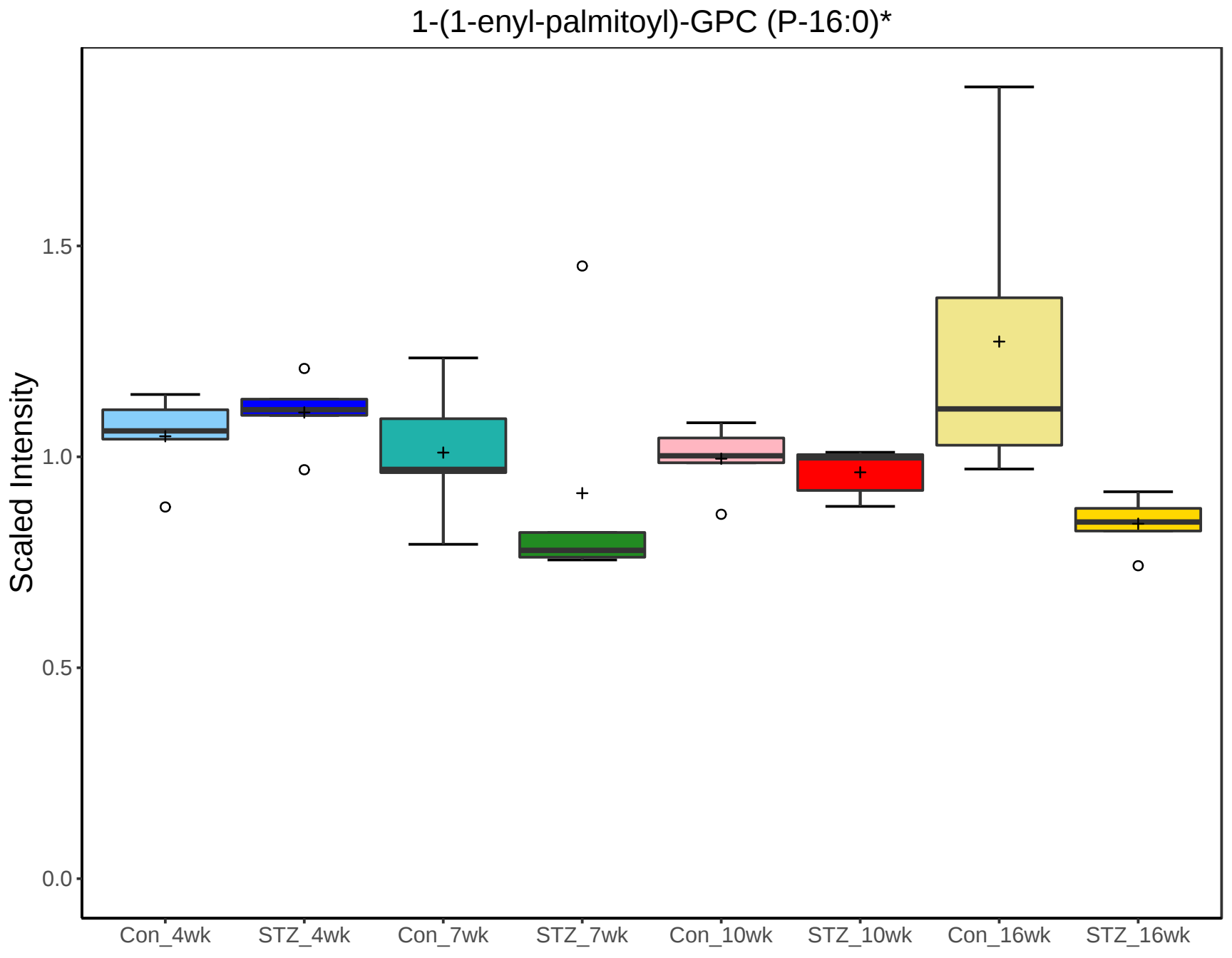

1-(1-enyl-stearoyl)-2-oleoyl-GPE (P-18:0/18:1)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

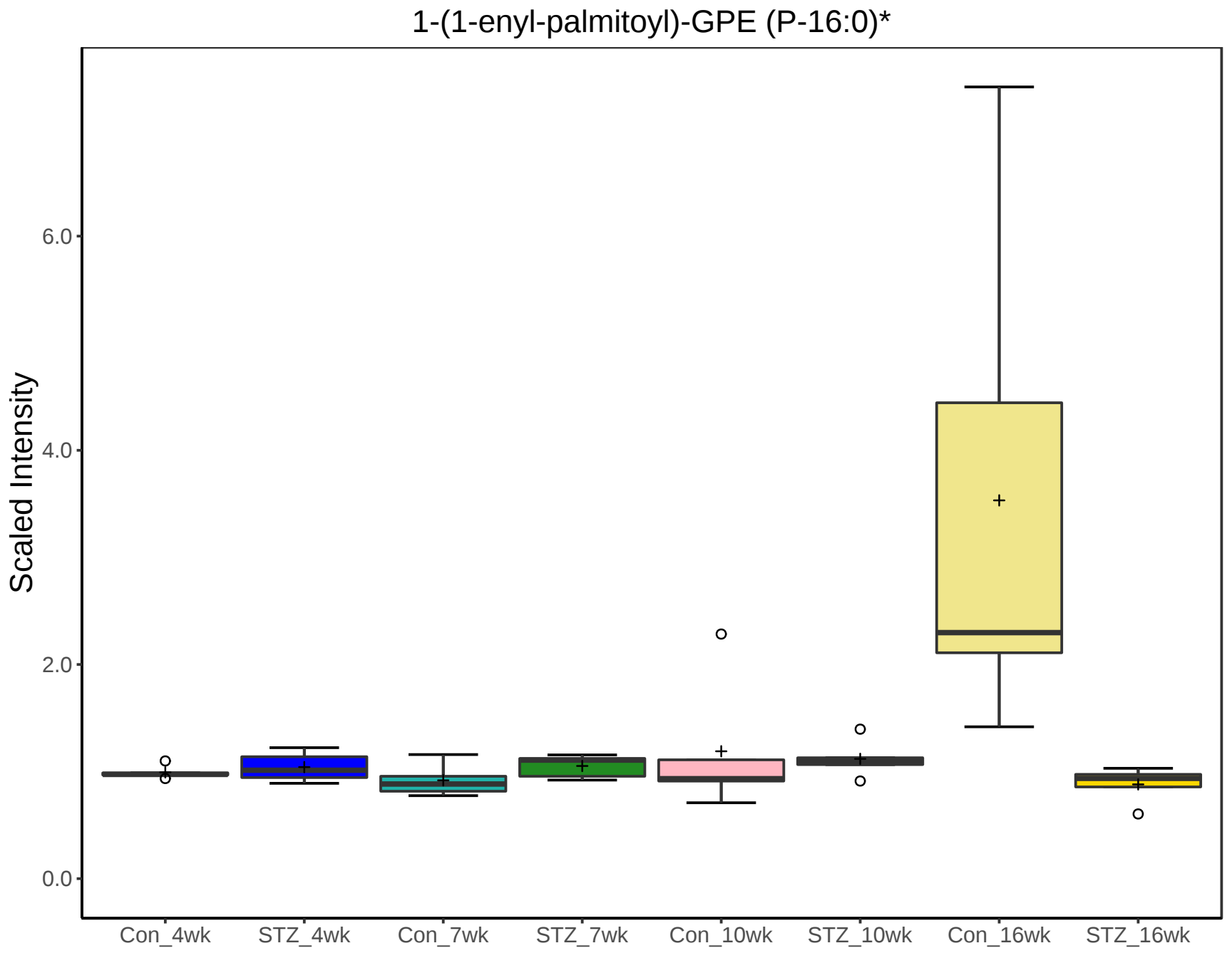

1-(1-enyl-stearoyl)-2-linoleoyl-GPE (P-18:0/18:2)*
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

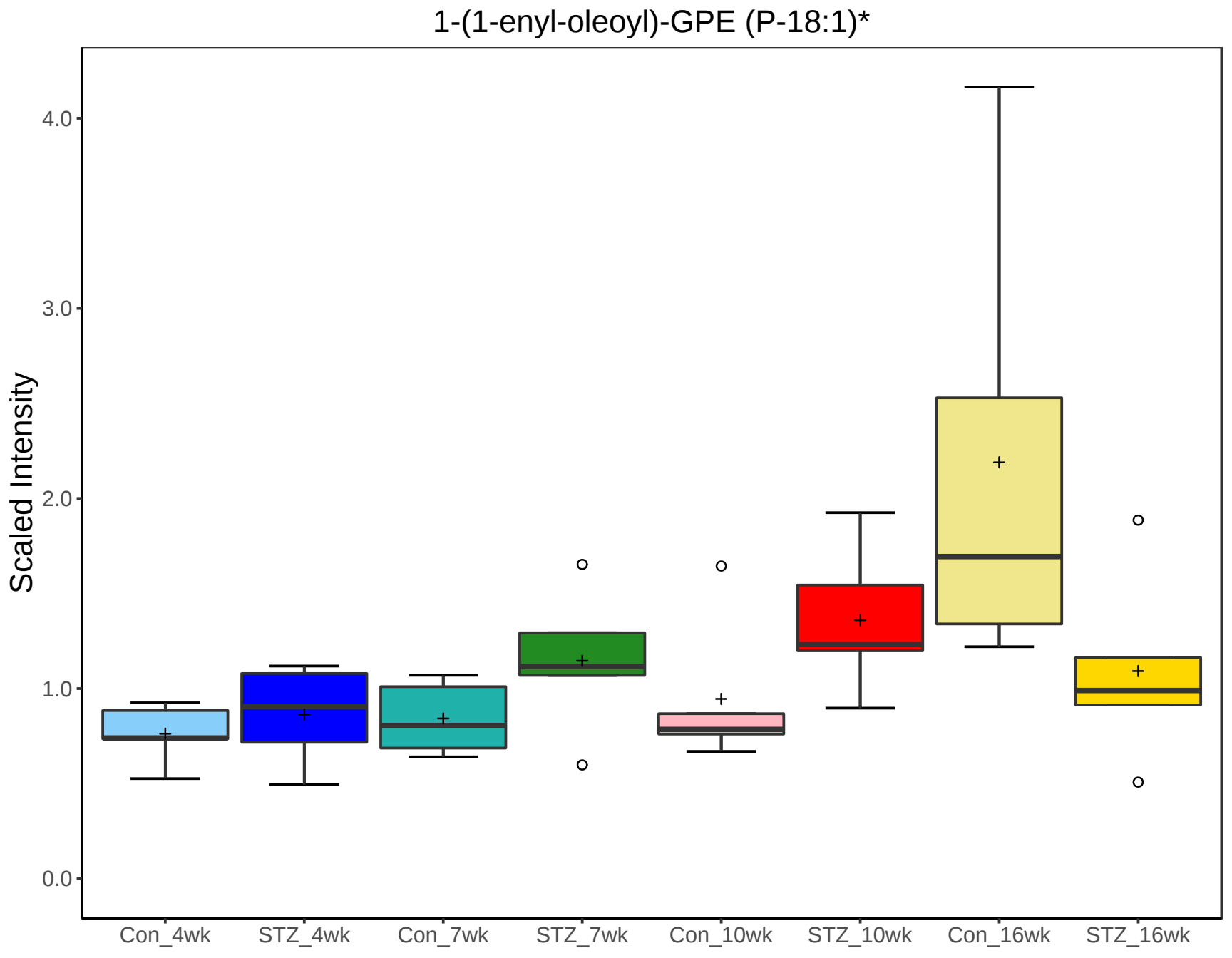

1-(1-enyl-palmitoyl)-2-arachidonoyl-GPC (P-16:0/20:4)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

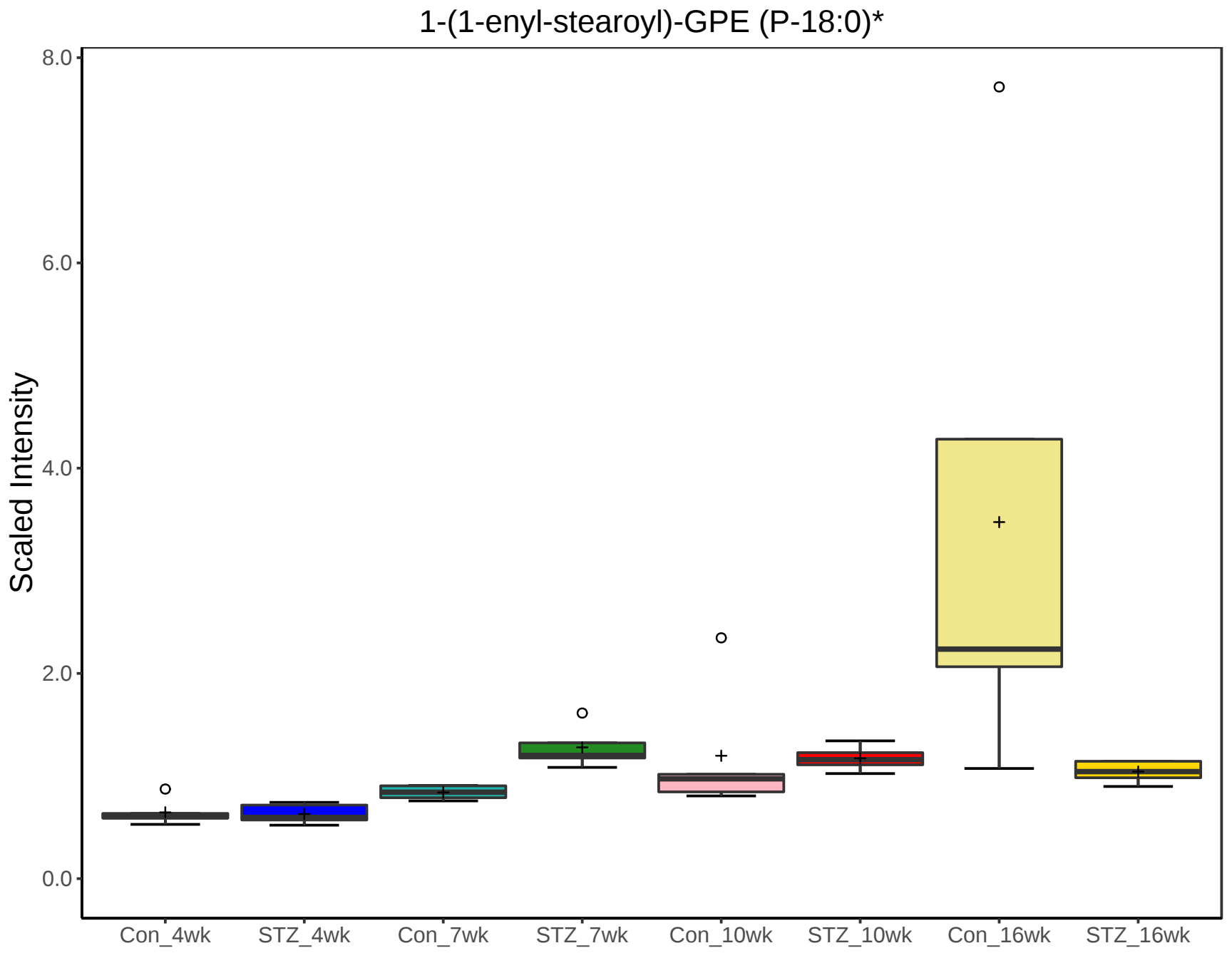

1-(1-enyl-palmitoyl)-2-linoleoyl-GPC (P-16:0/18:2)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

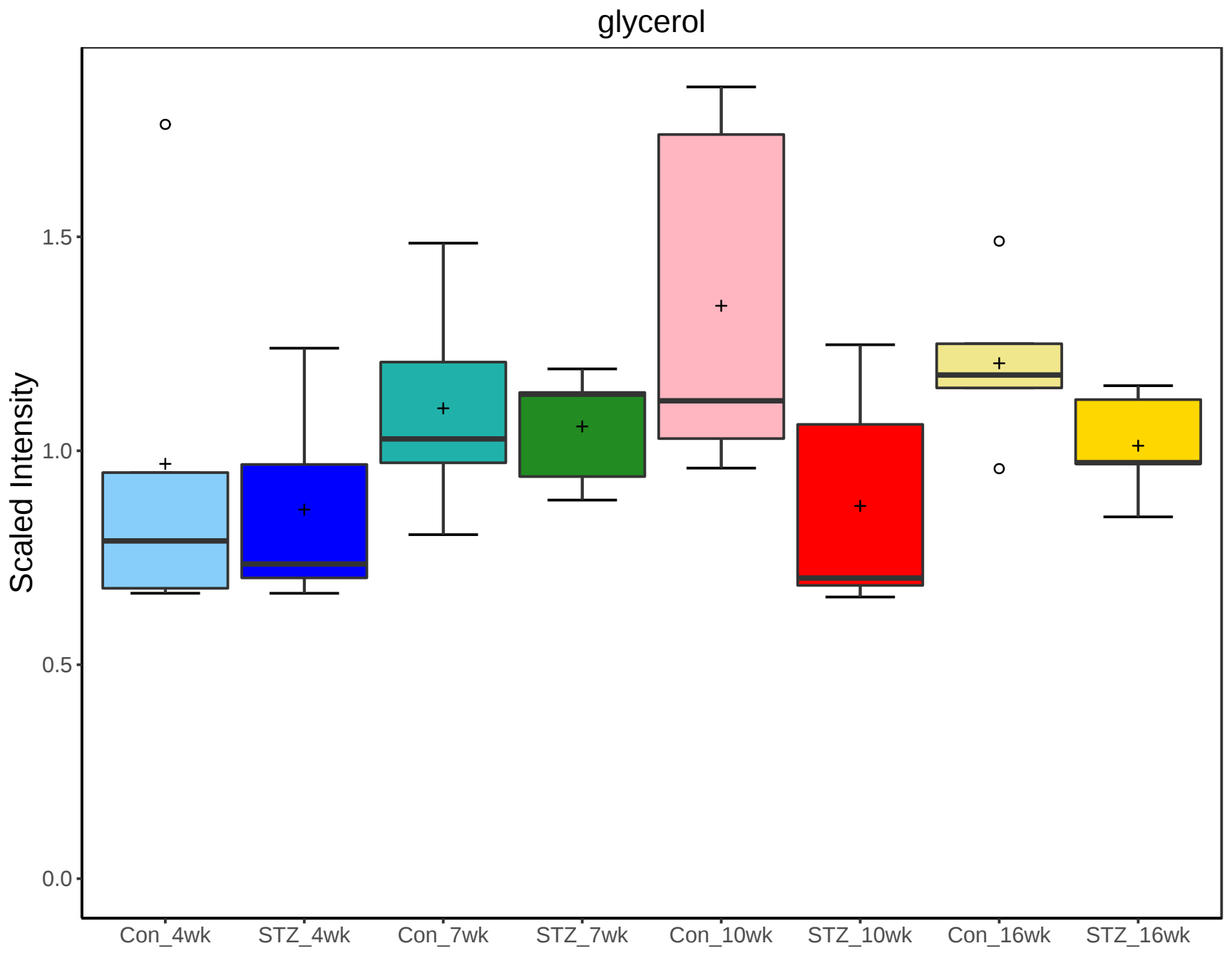

1-(1-enyl-stearoyl)-2-arachidonoyl-GPE (P-18:0/20:4)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

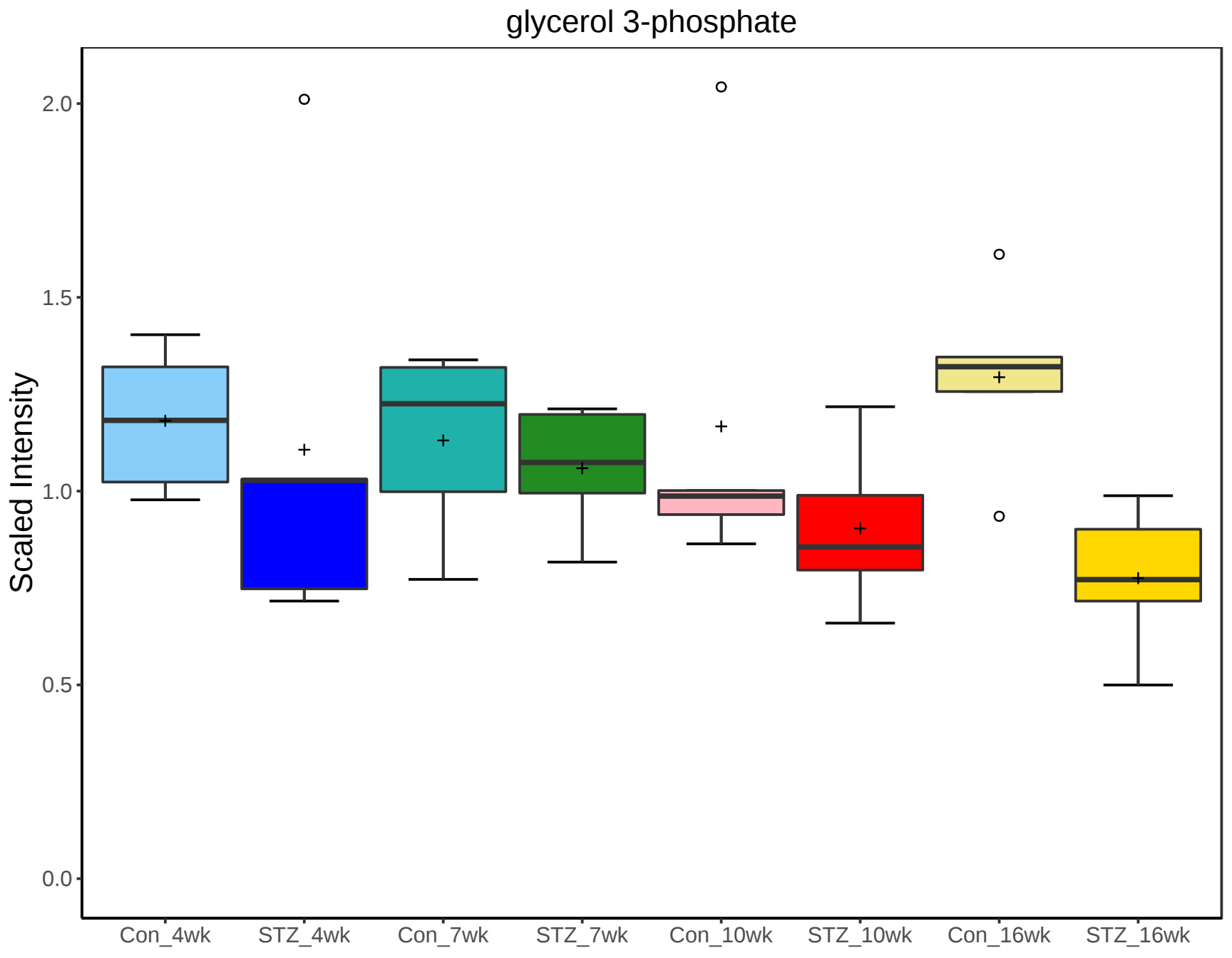

1-(1-enyl-palmitoyl)-GPC (P-16:0)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

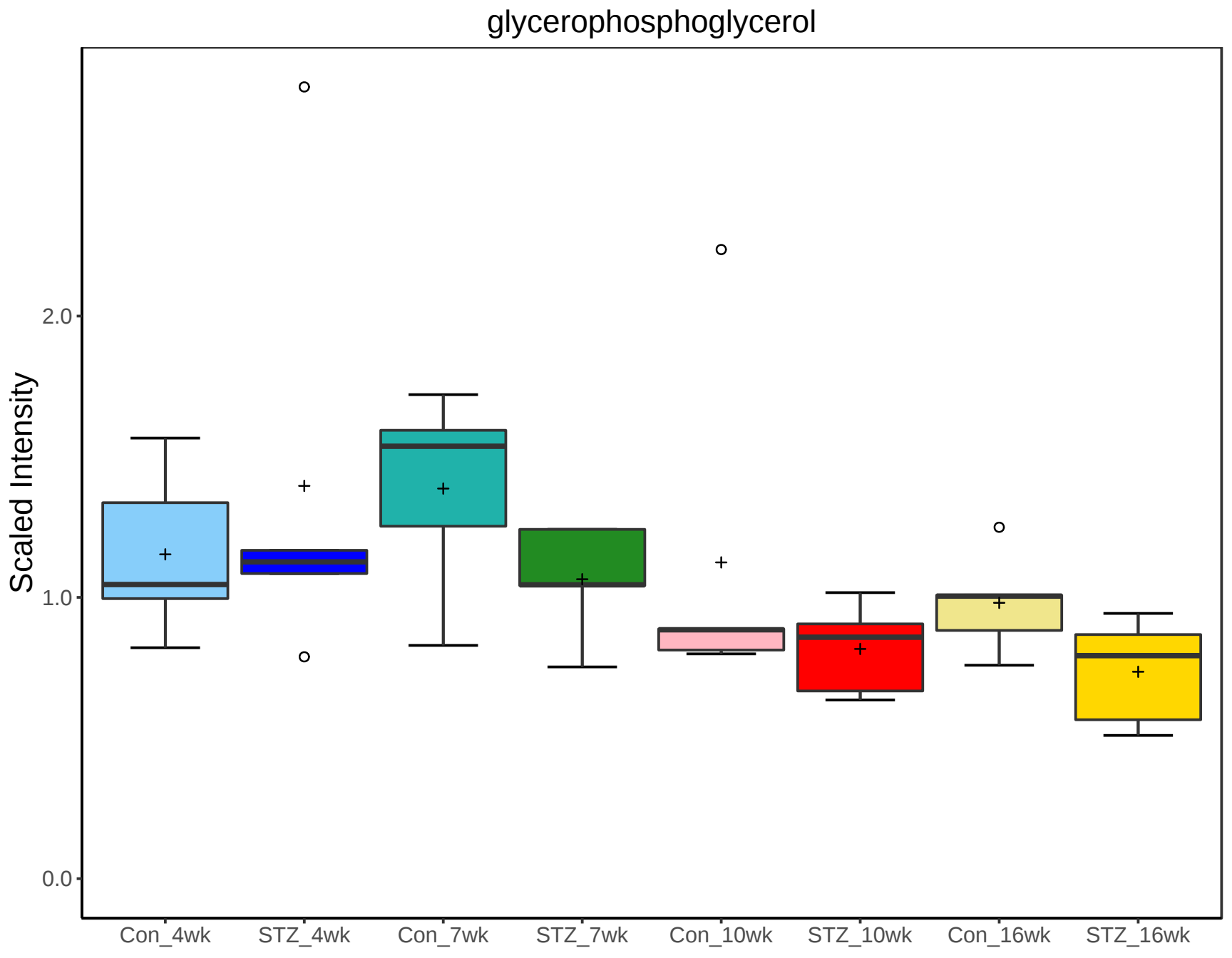

1-(1-enyl-palmitoyl)-GPE (P-16:0)*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

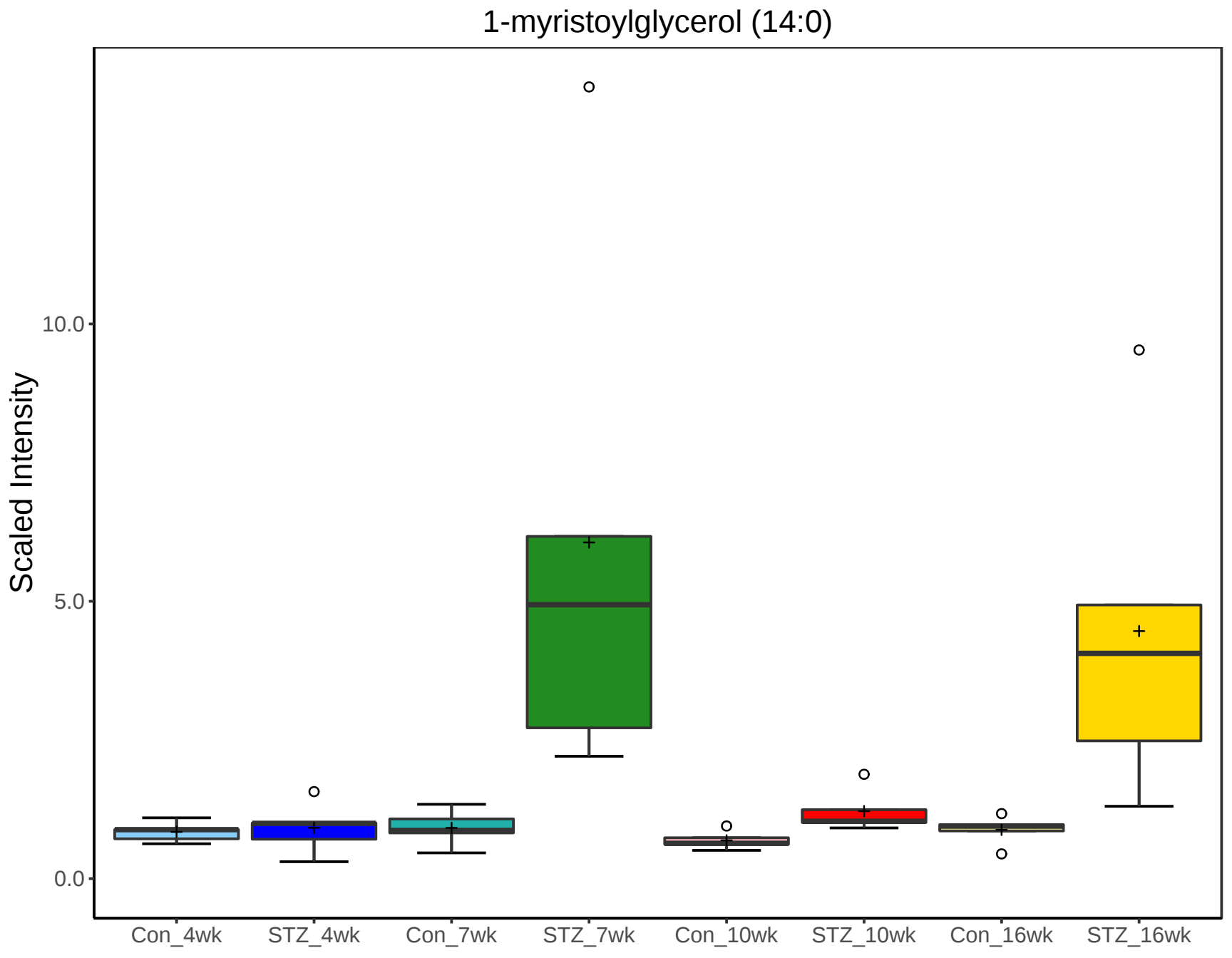

1-(1-enyl-oleoyl)-GPE (P-18:1)*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

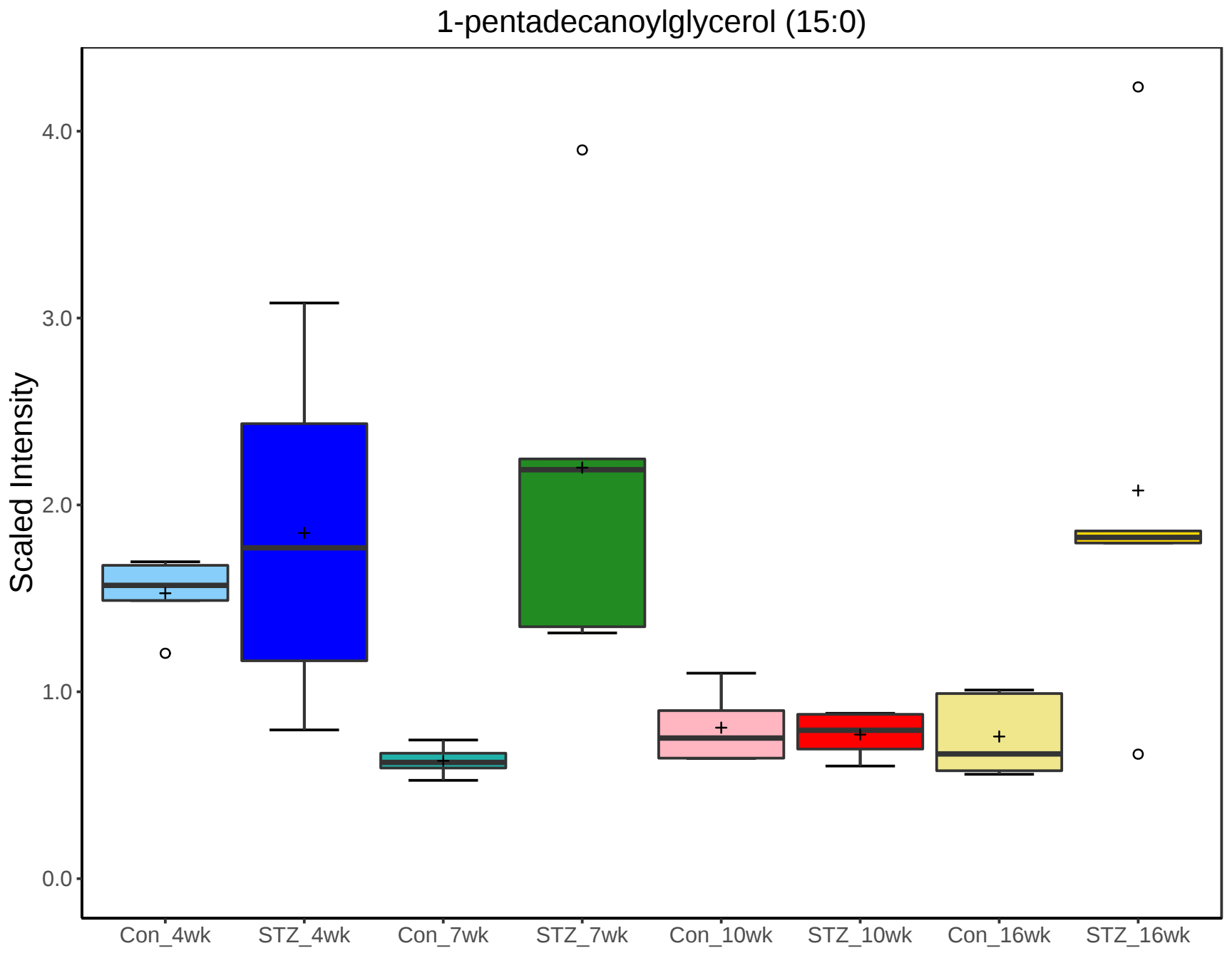

1-(1-enyl-stearoyl)-GPE (P-18:0)*
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

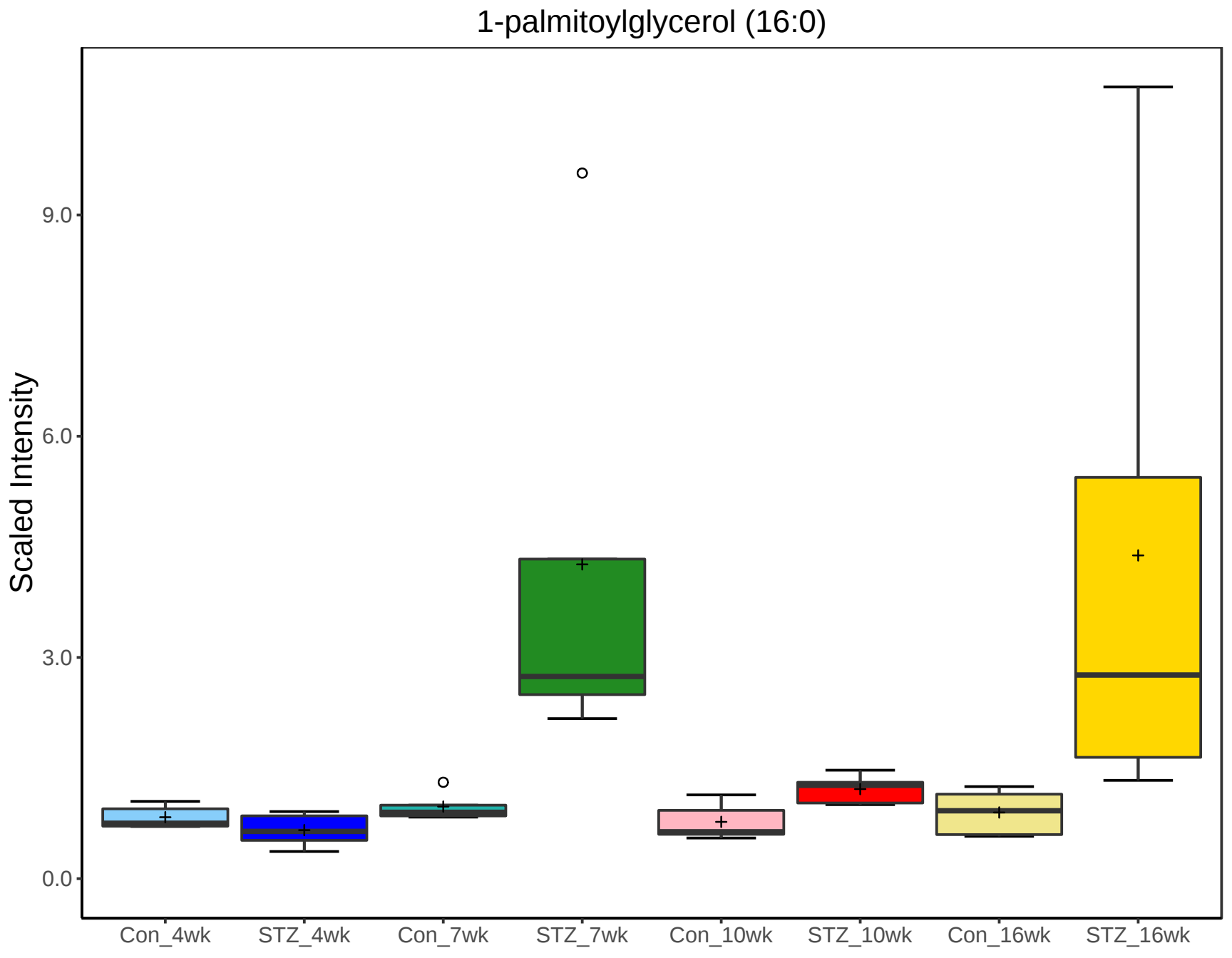

glycerol
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

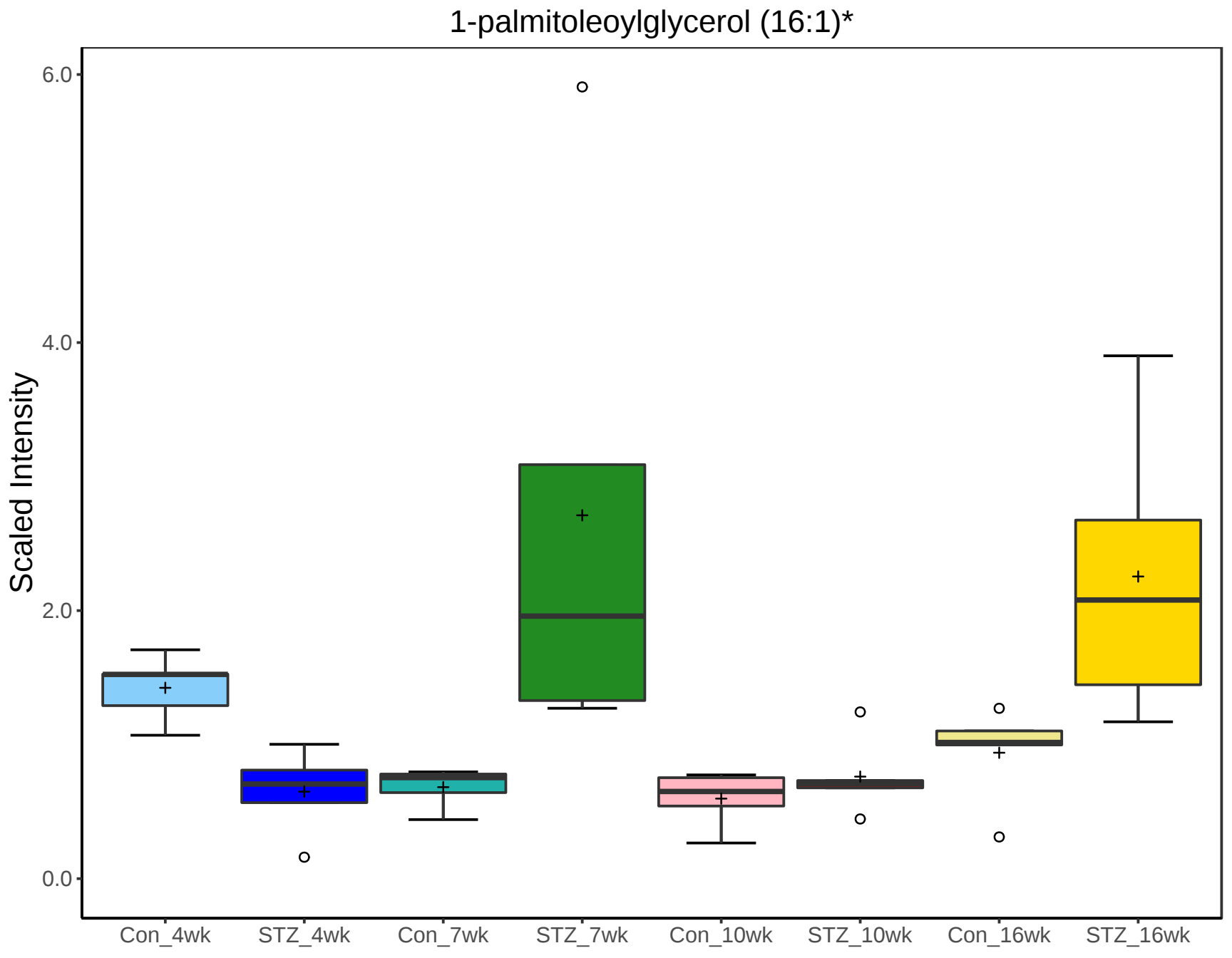

glycerol 3-phosphate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

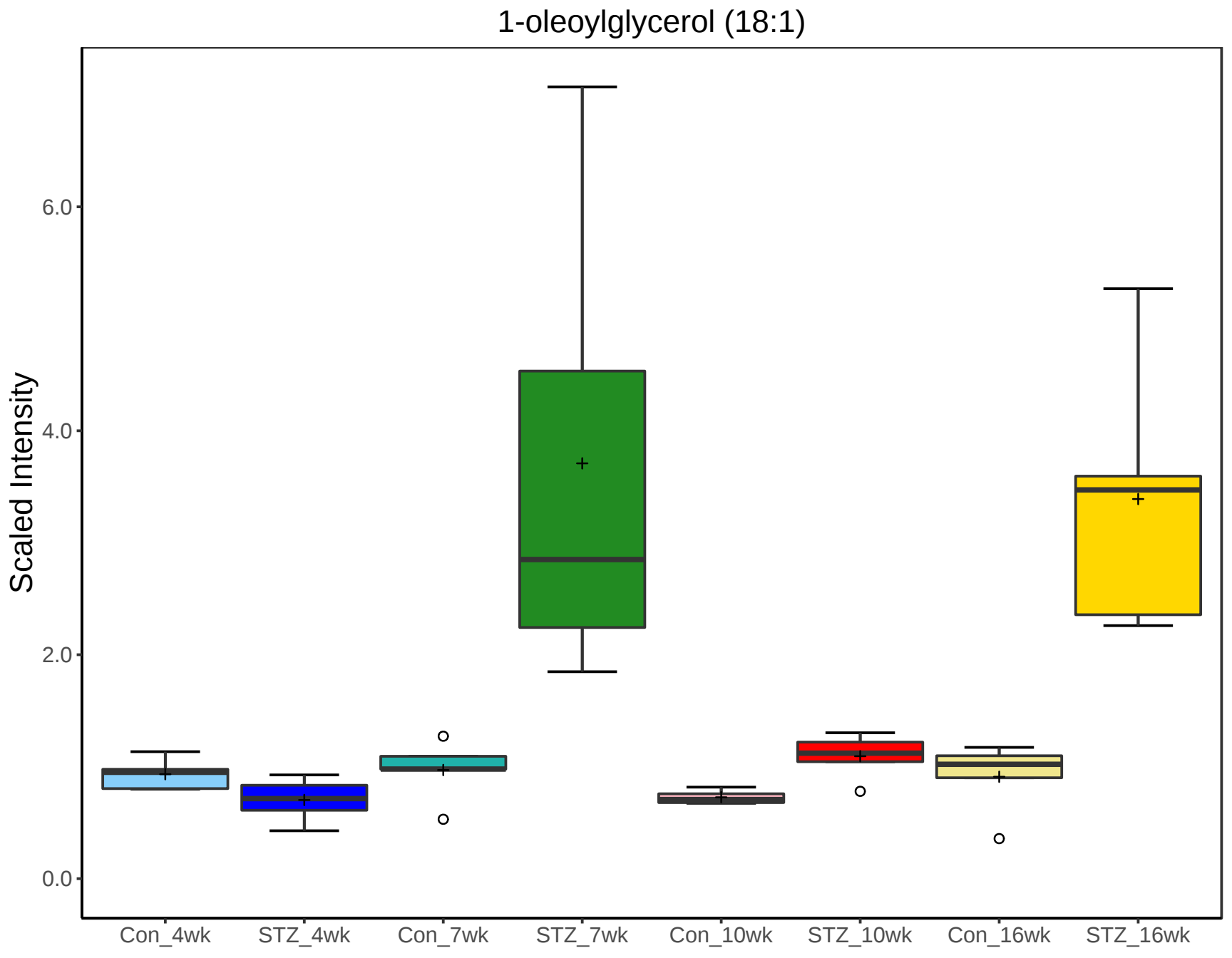

glycerophosphoglycerol
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

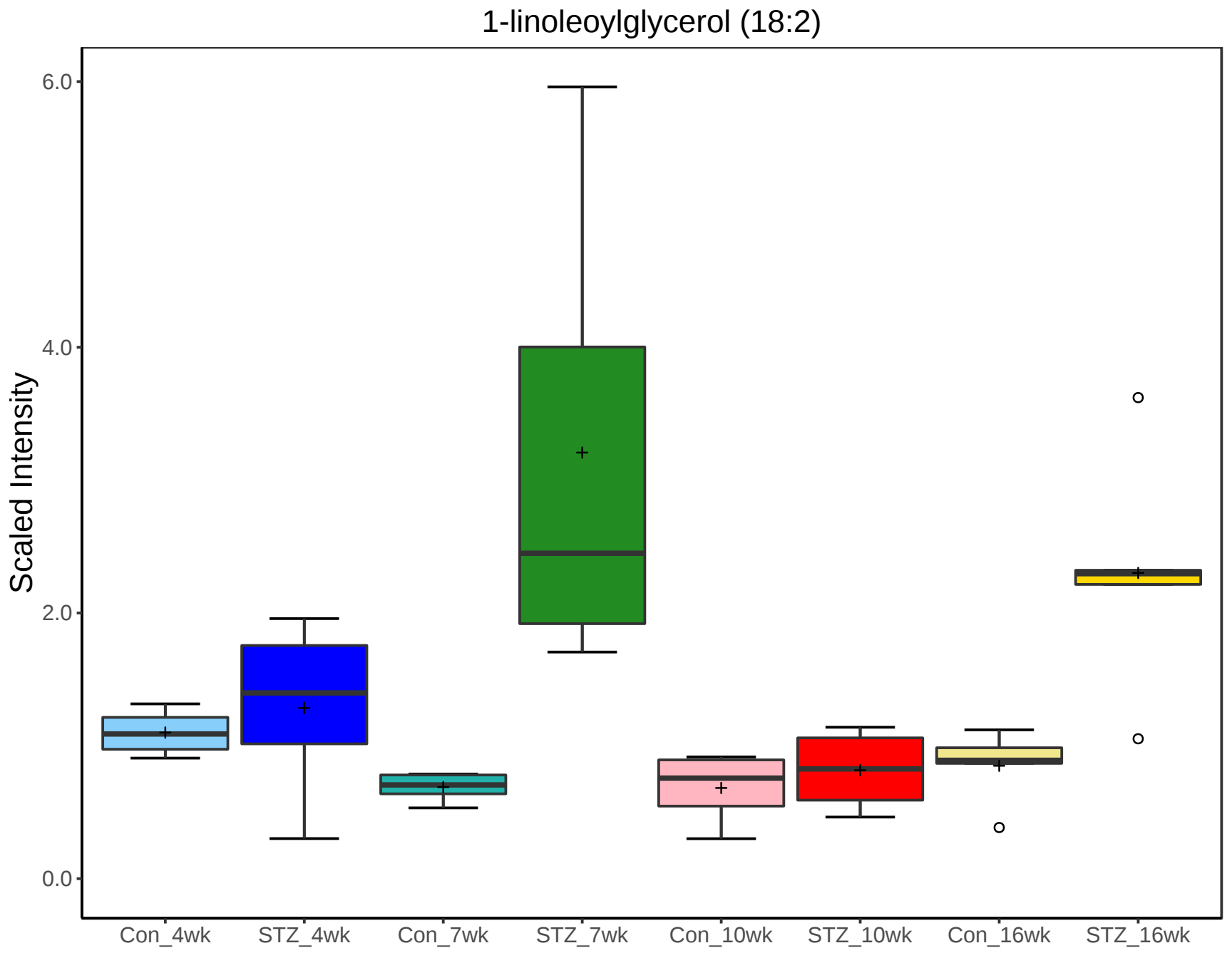

1-myristoylglycerol (14:0)
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

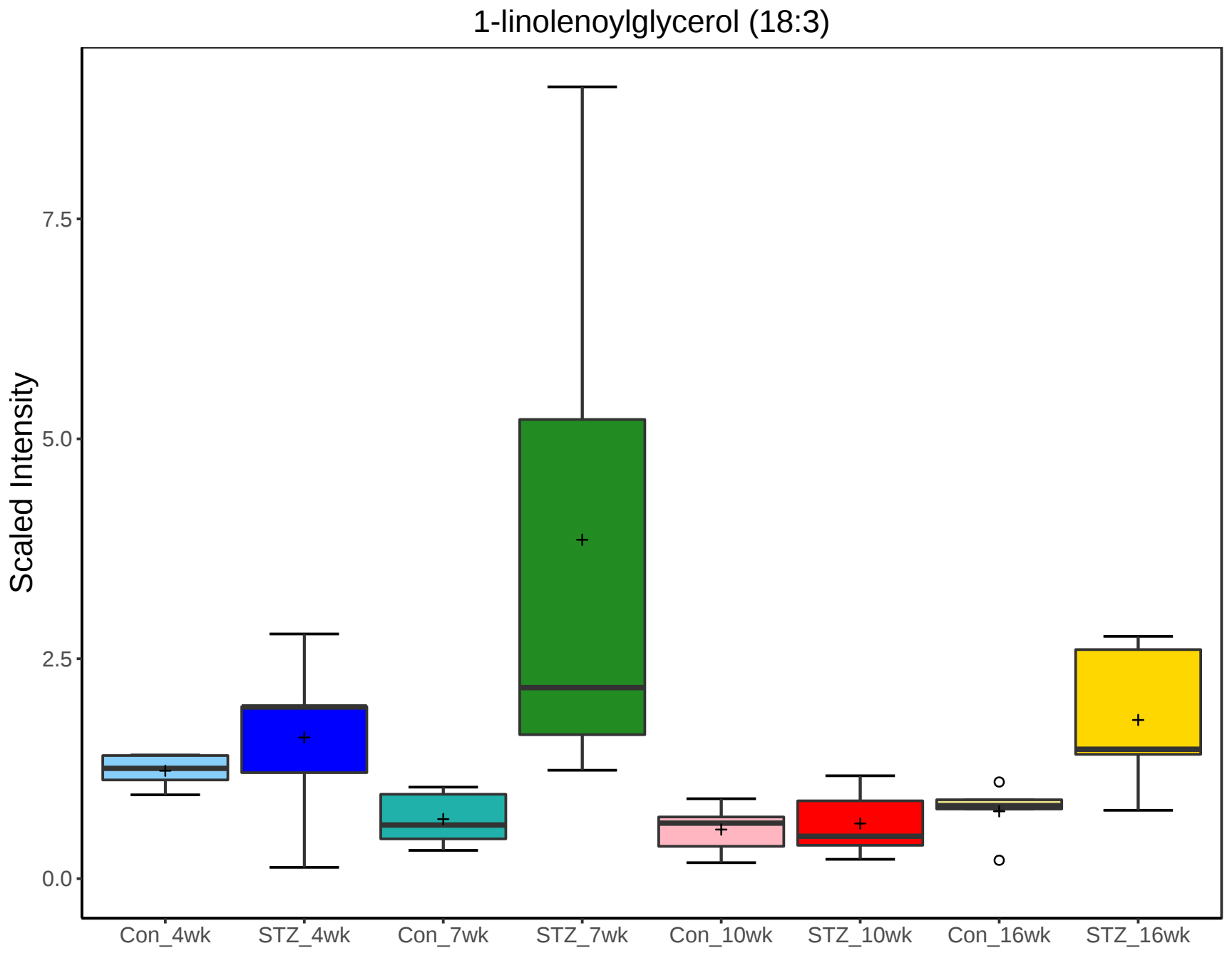

1-pentadecanoylglycerol (15:0)
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

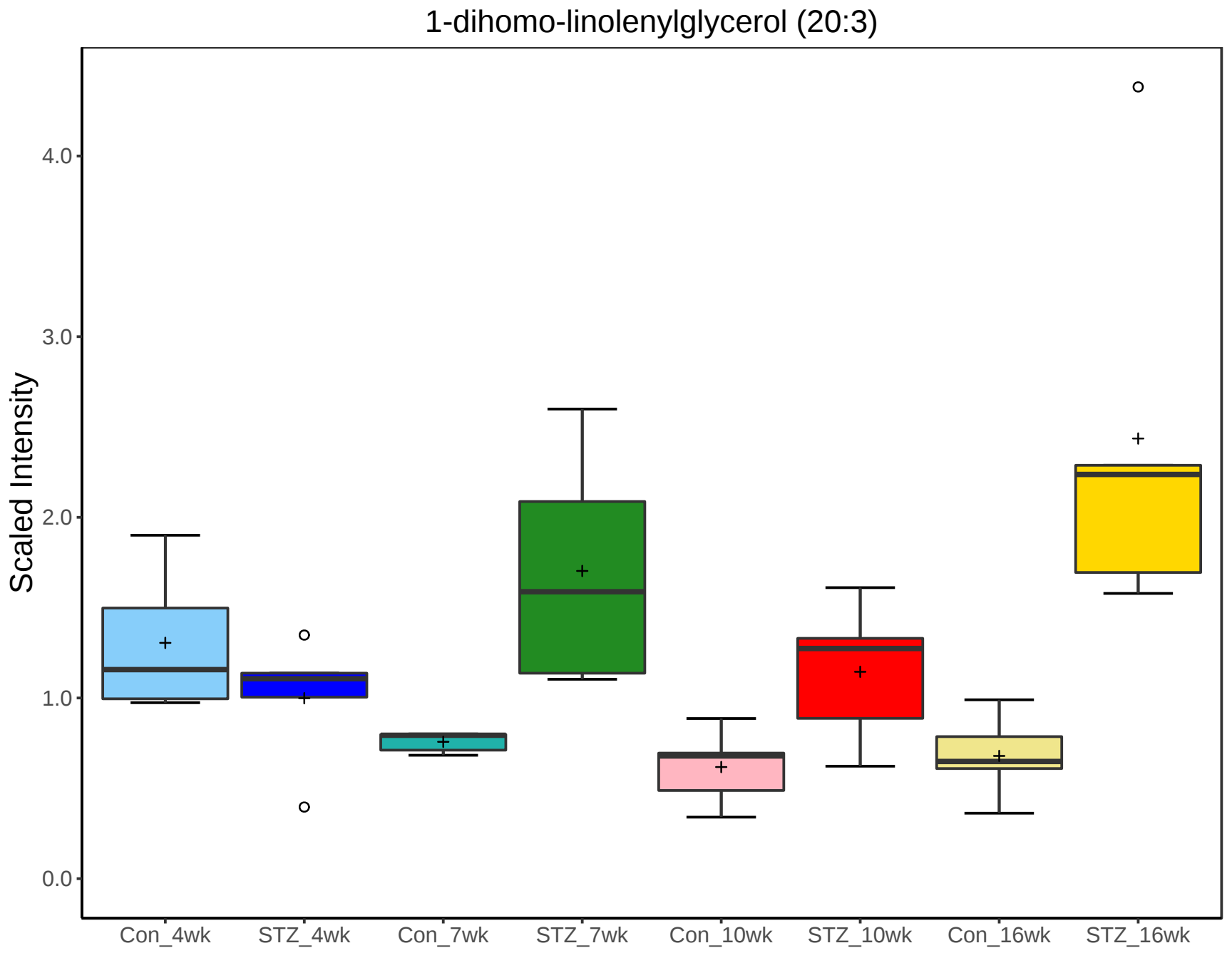

1-palmitoylglycerol (16:0)
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

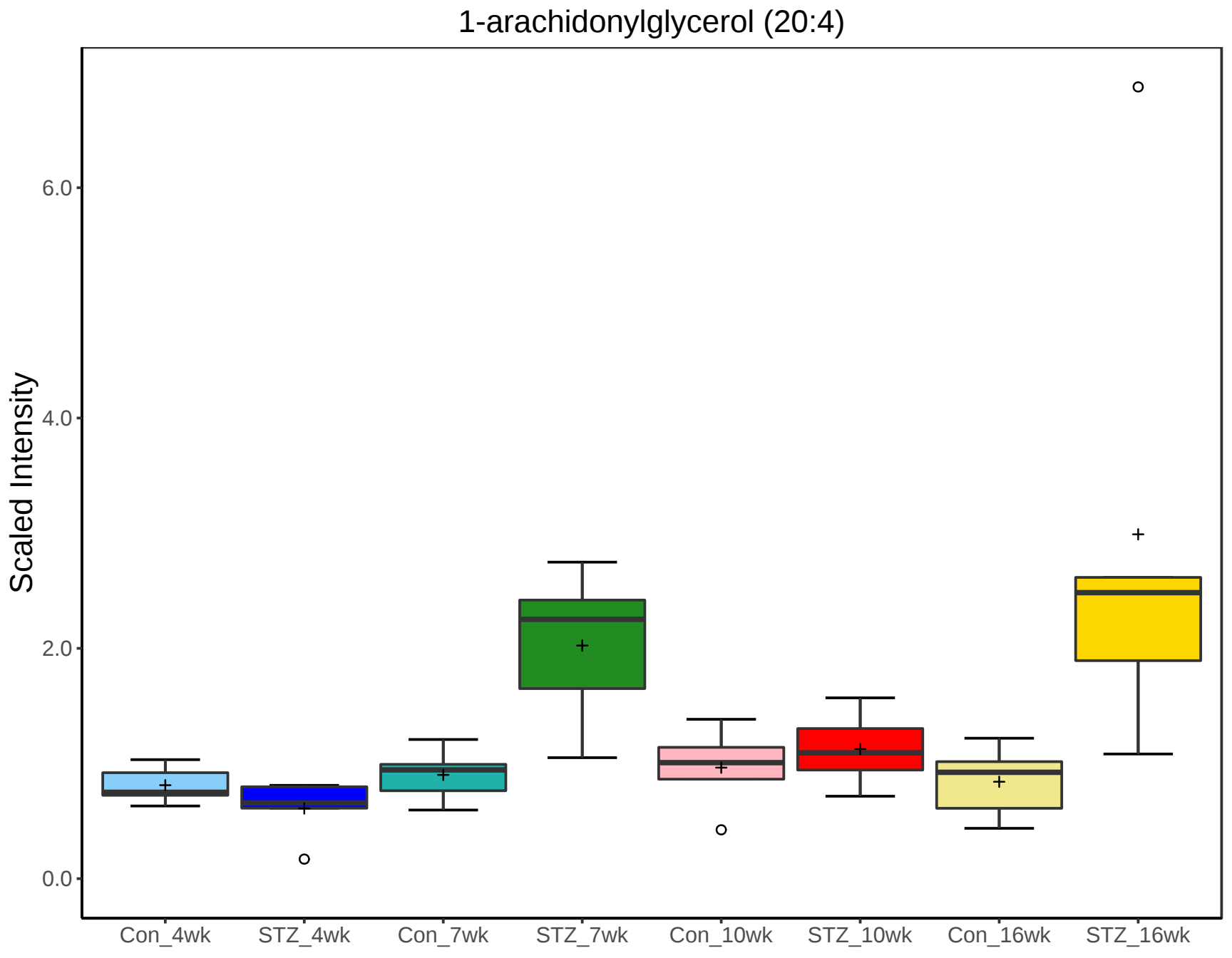

1-palmitoleoylglycerol (16:1)*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

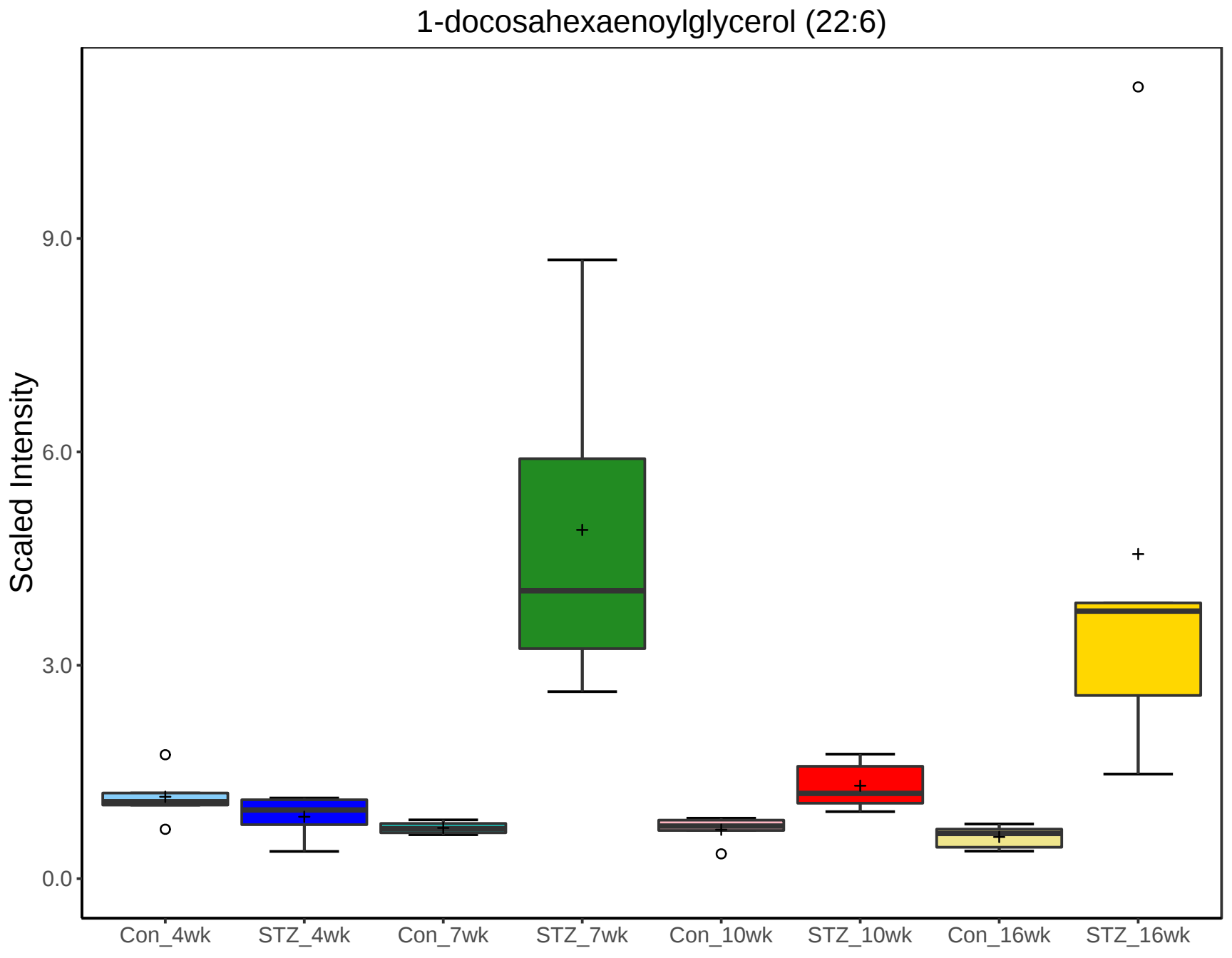

1-oleoylglycerol (18:1)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

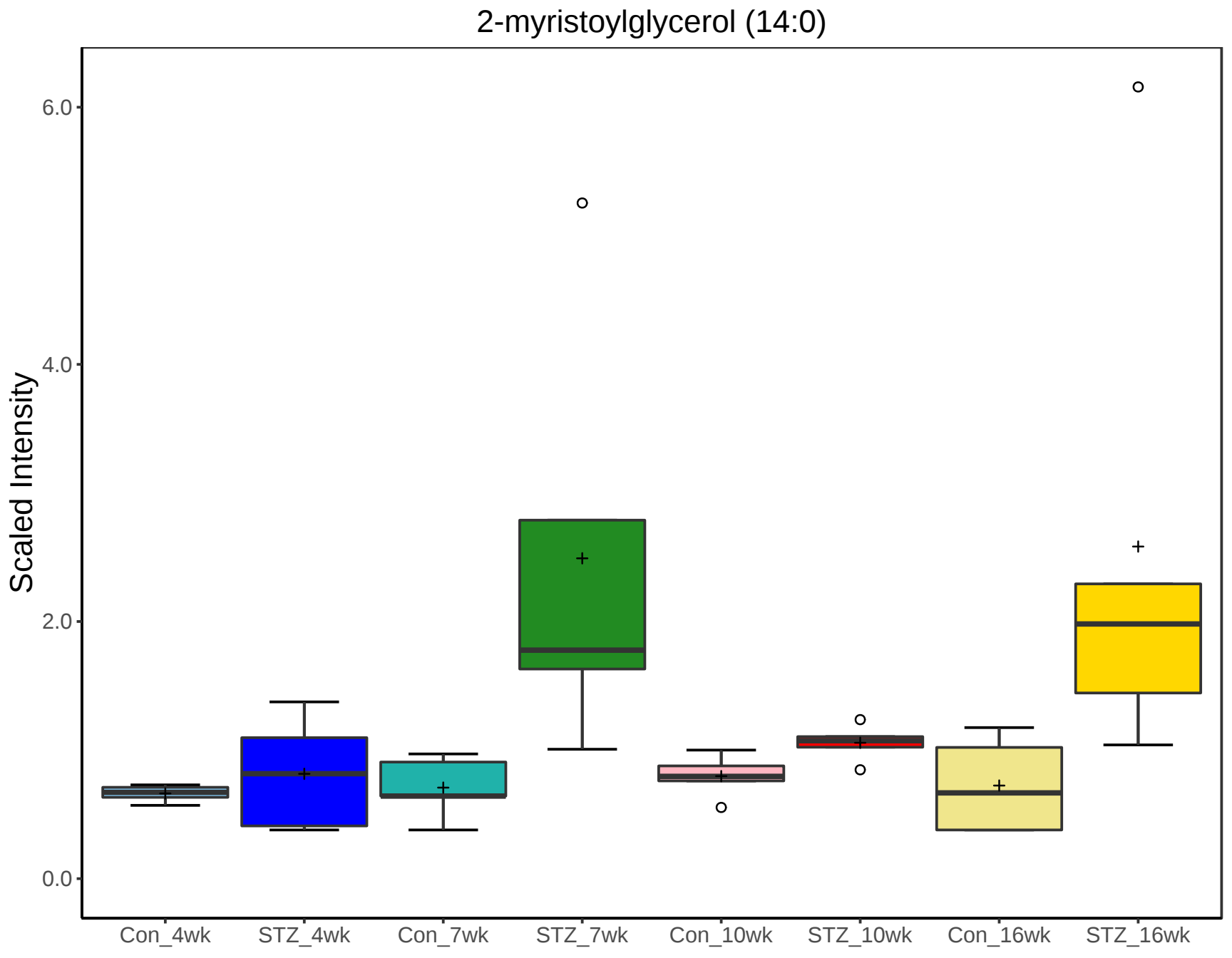

1-linoleoylglycerol (18:2)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

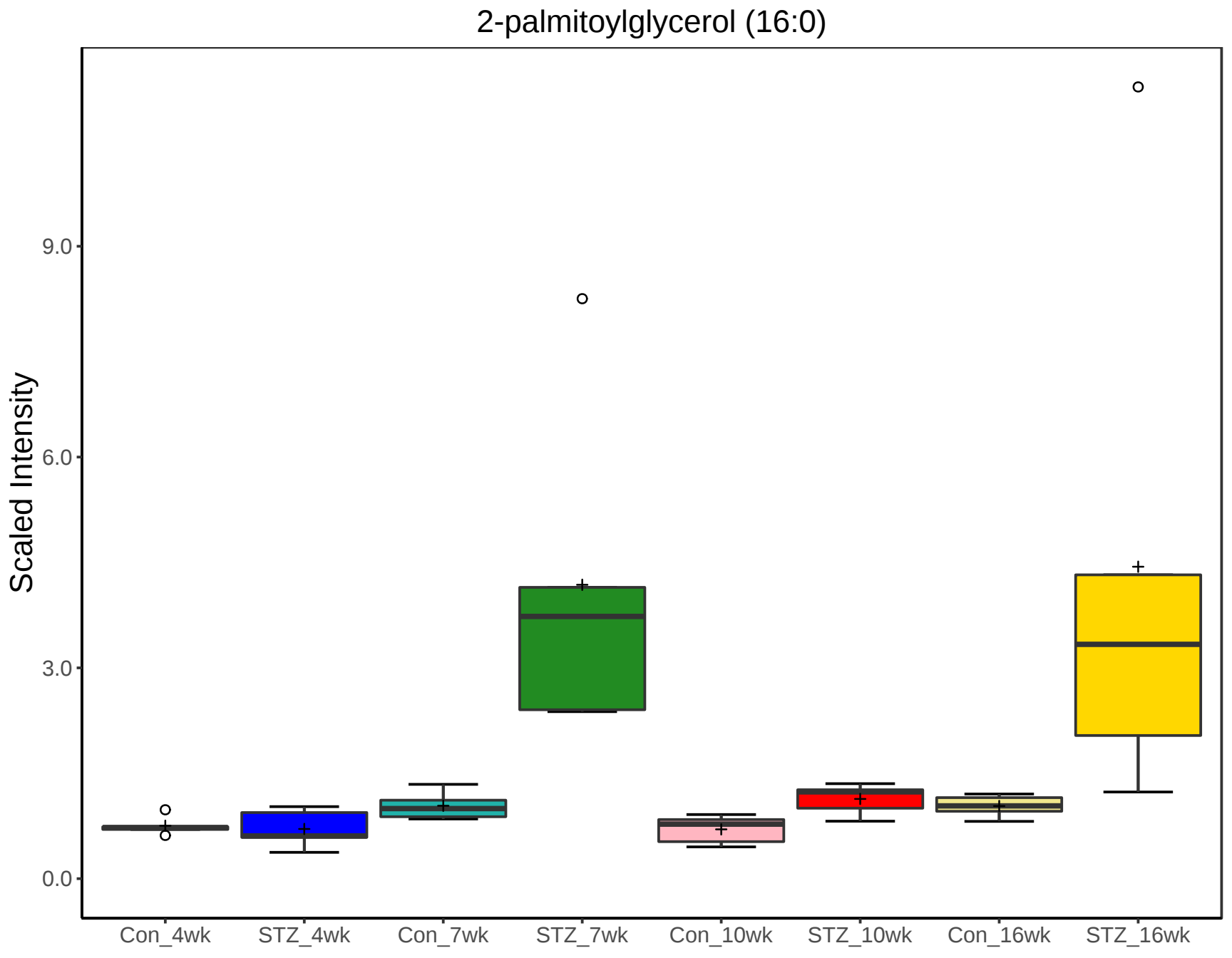

1-linolenoylglycerol (18:3)
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

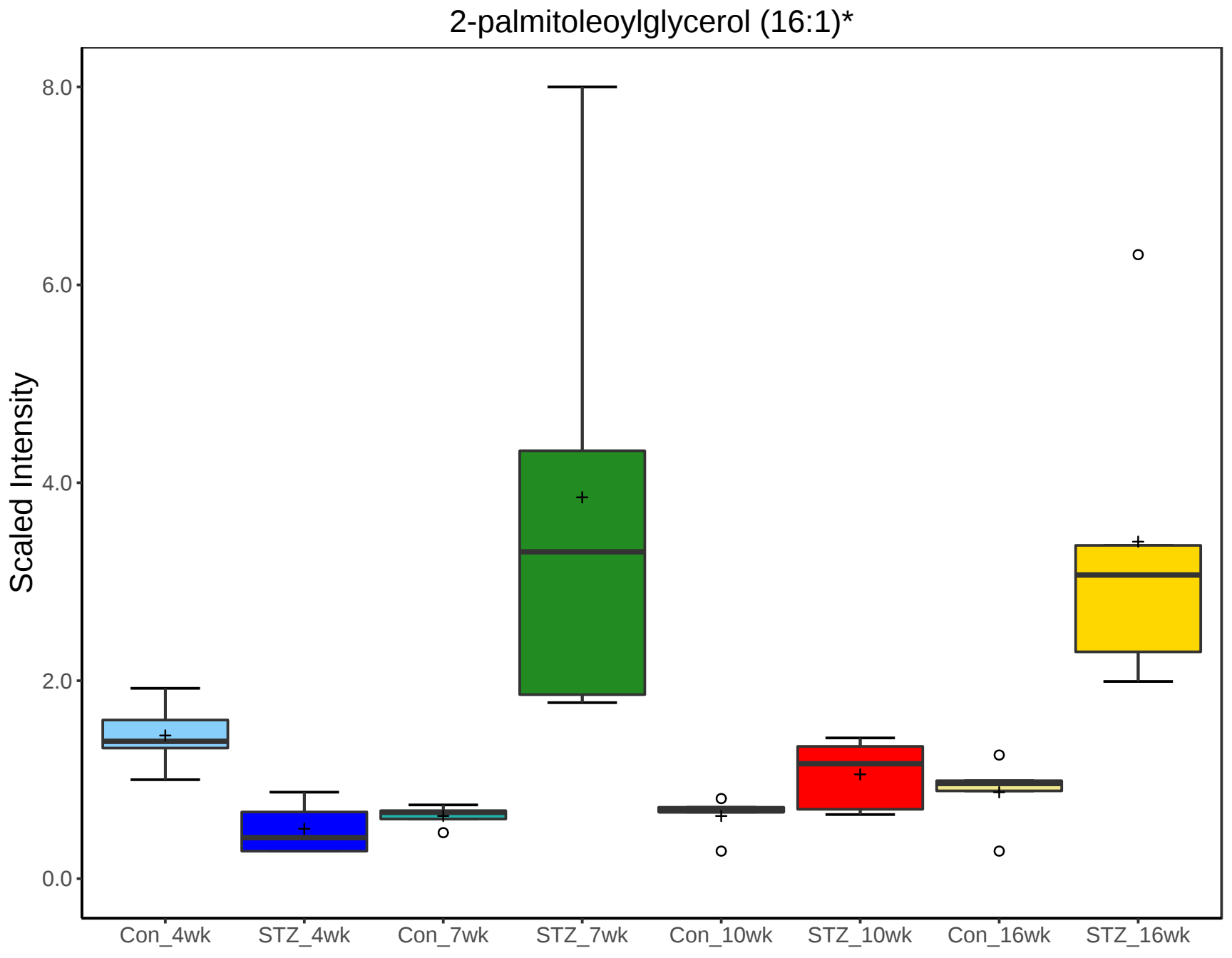

1-dihomo-linolenylglycerol (20:3)
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

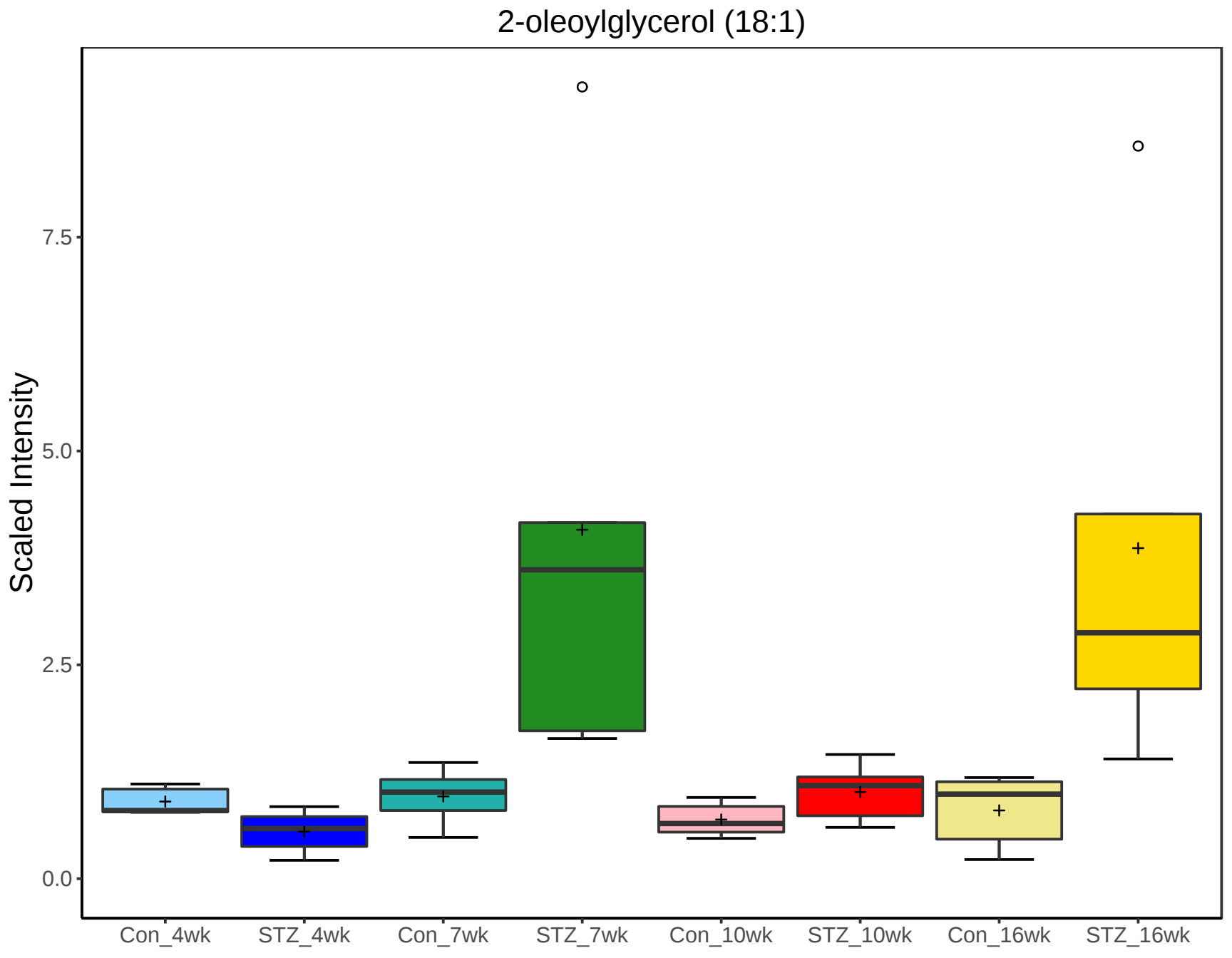

1-arachidonylglycerol (20:4)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

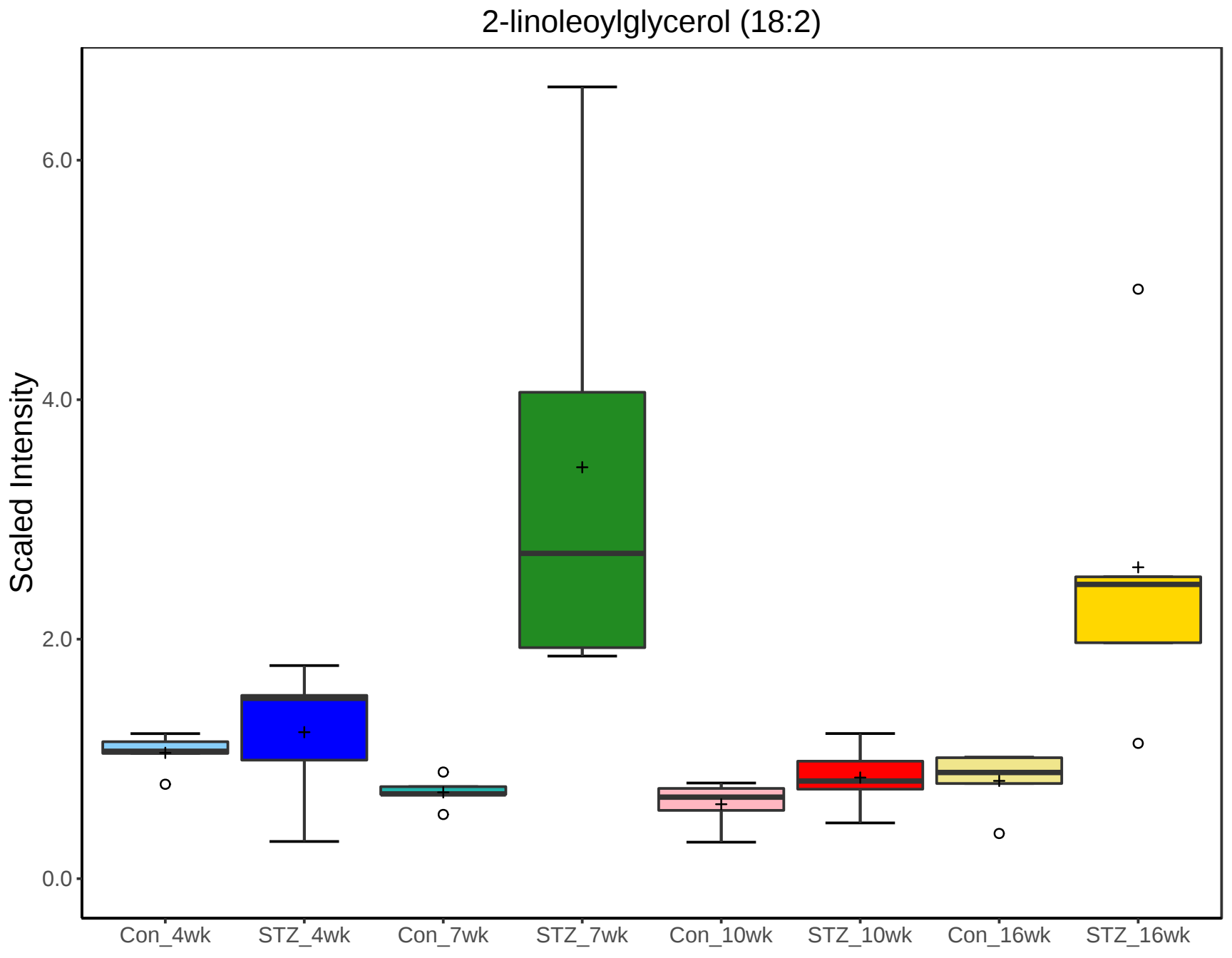

1-docosahexaenoylglycerol (22:6)
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

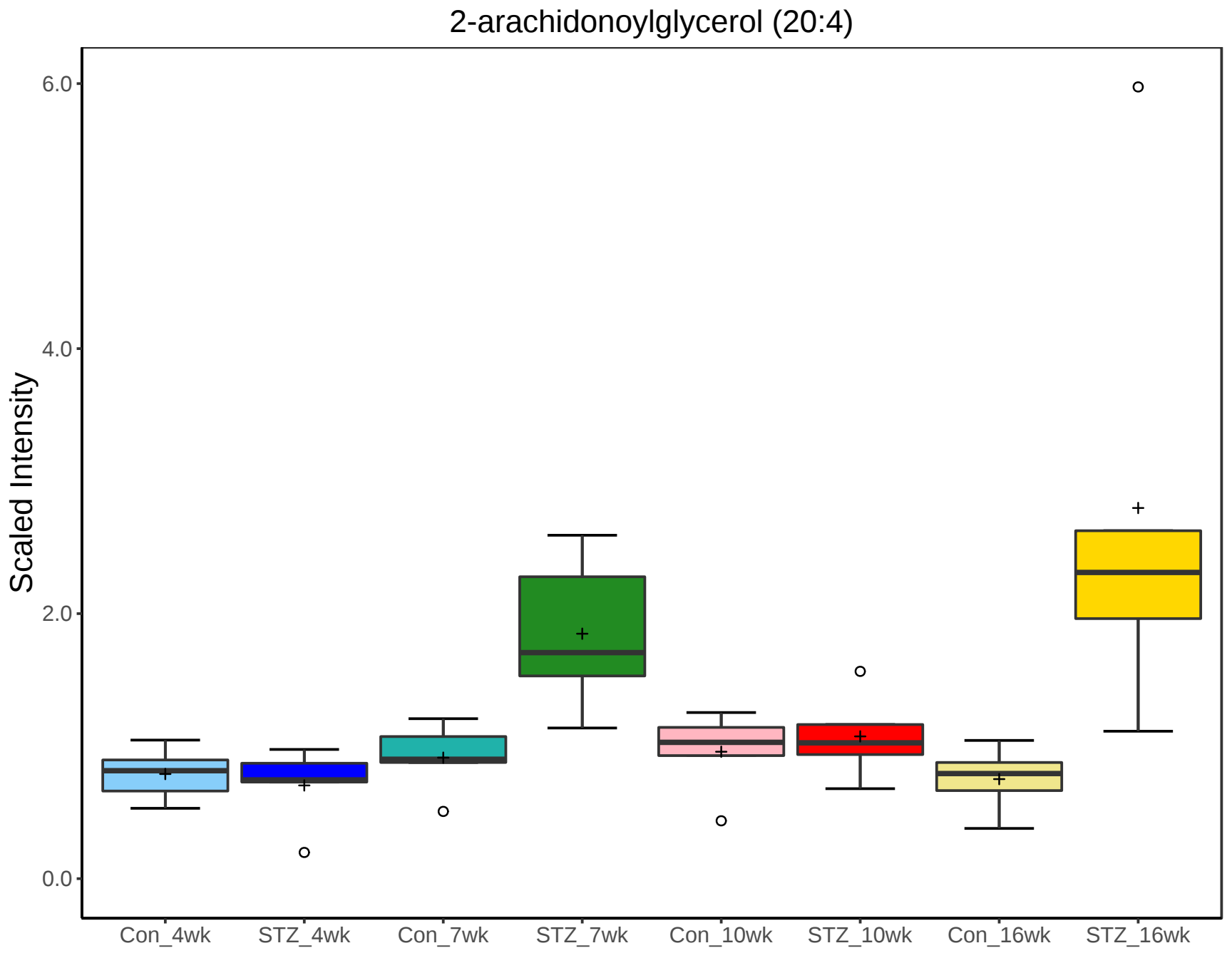

2-myristoylglycerol (14:0)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

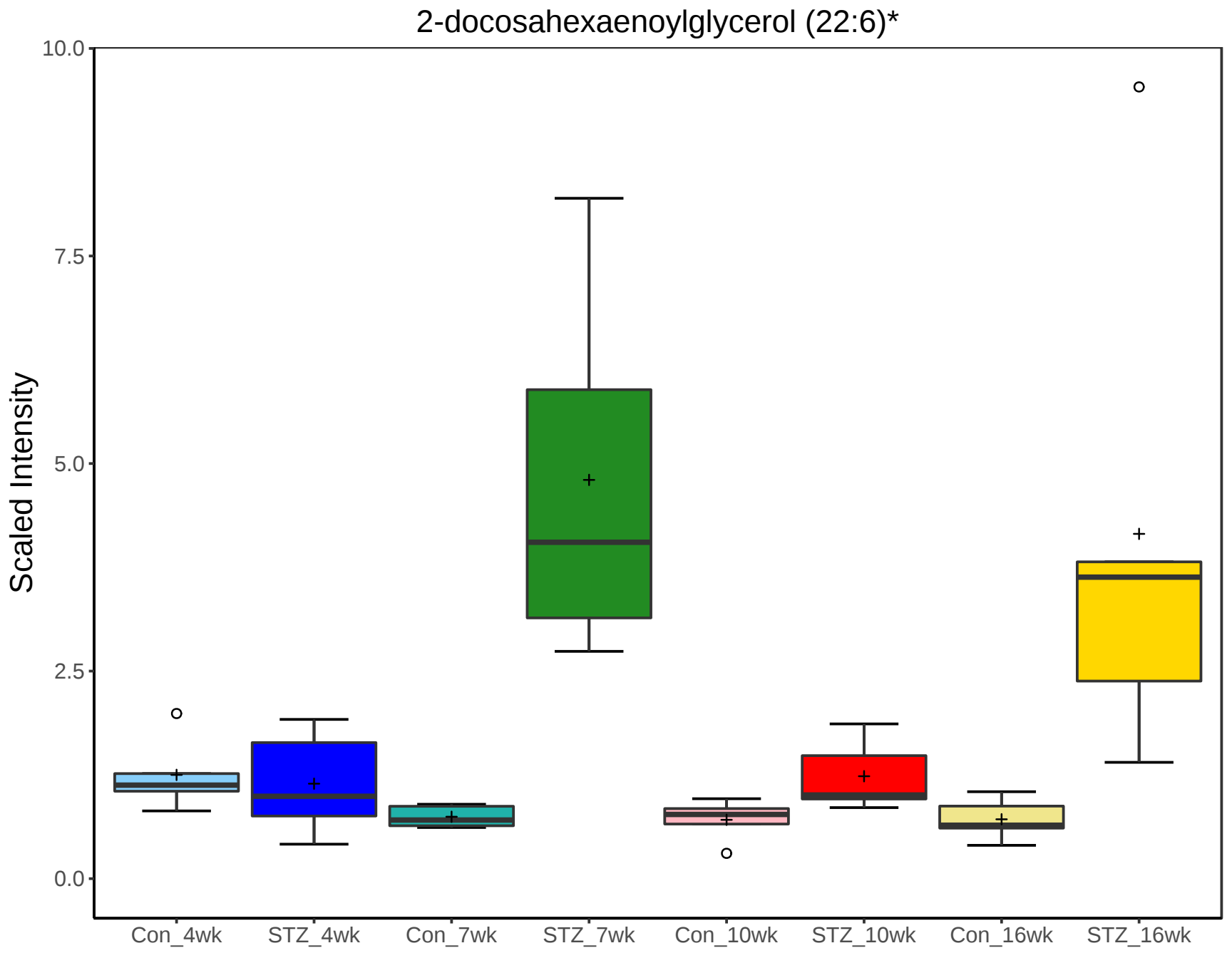

2-palmitoylglycerol (16:0)
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

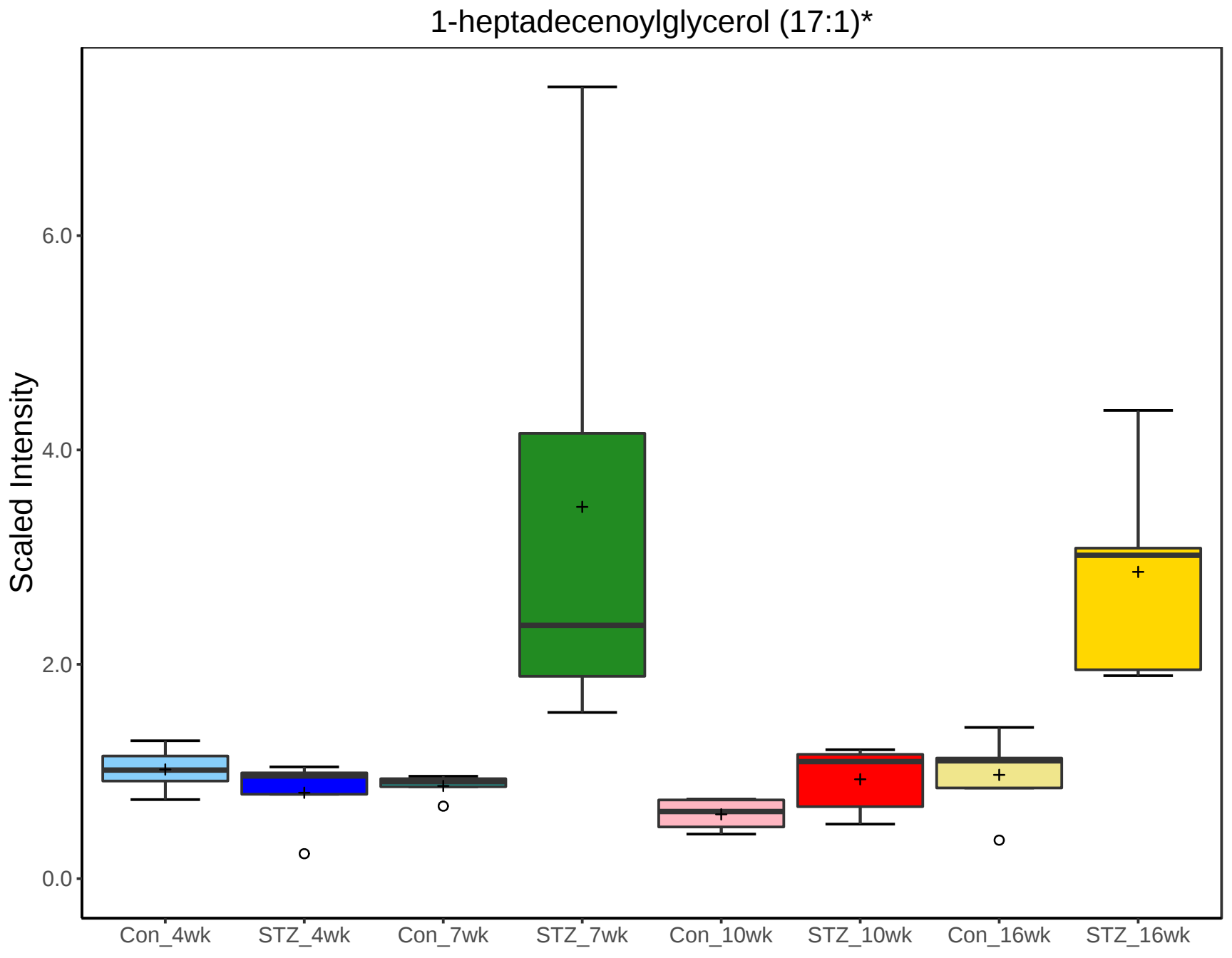

2-palmitoleoylglycerol (16:1)*
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

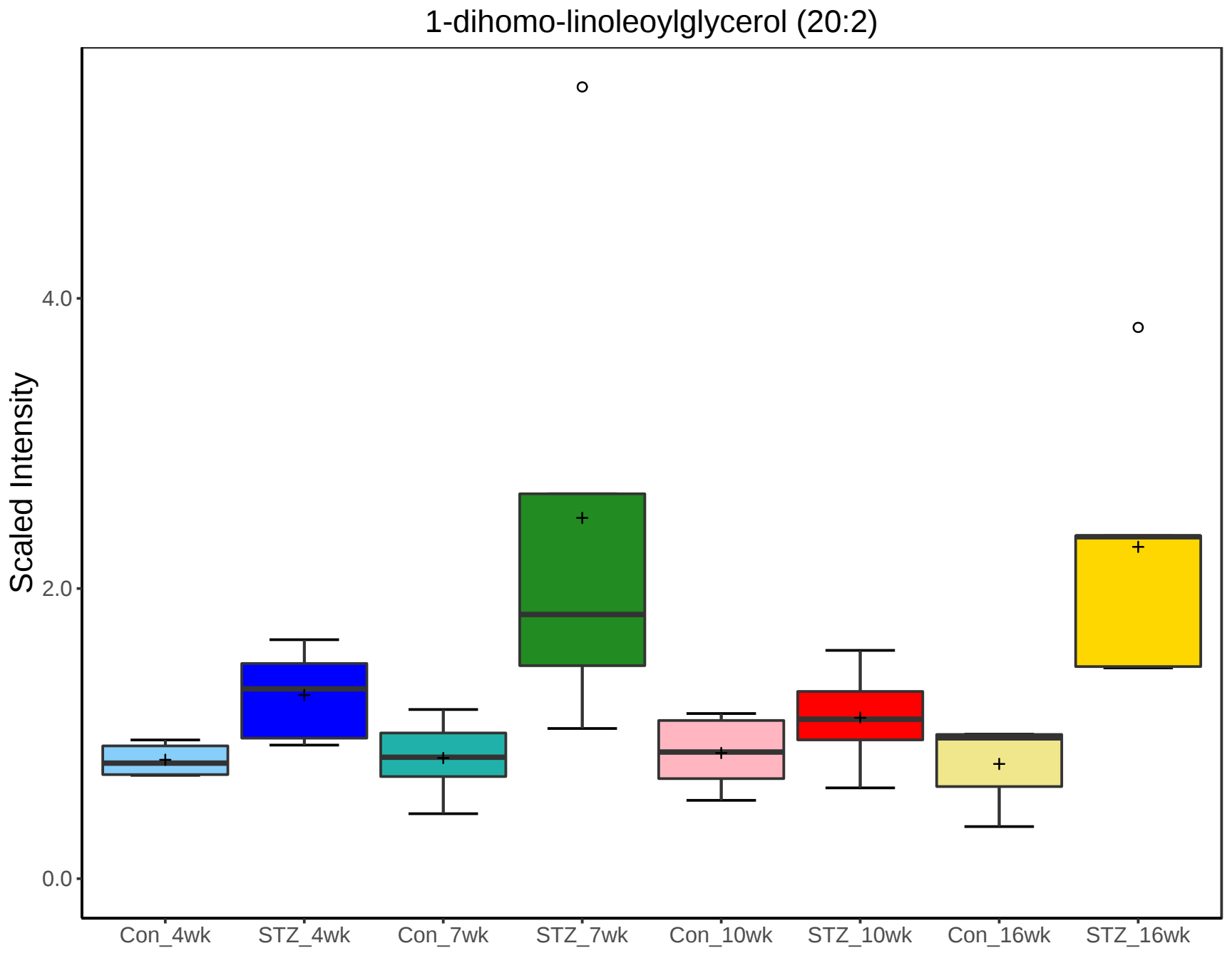

2-oleoylglycerol (18:1)
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

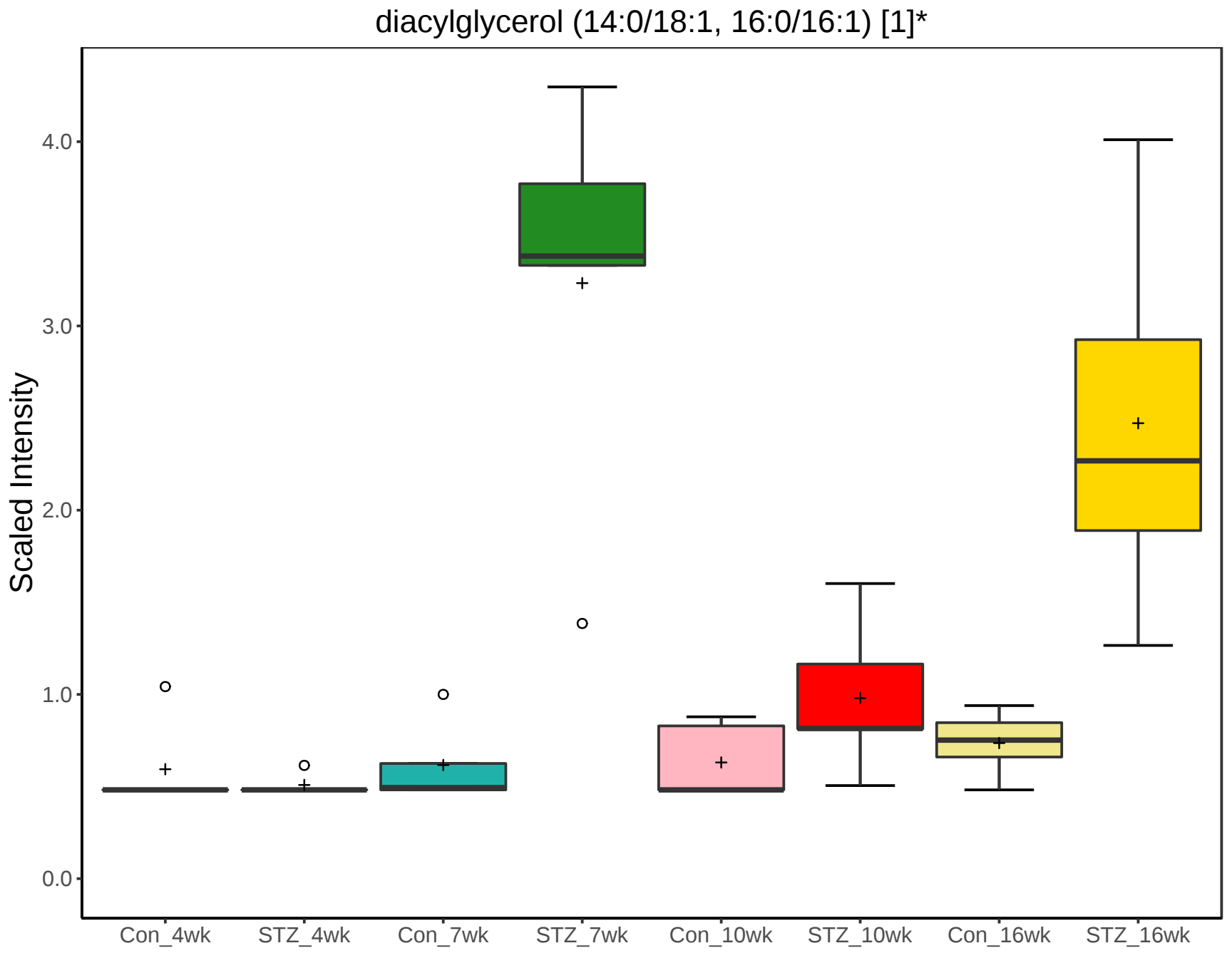

2-linoleoylglycerol (18:2)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

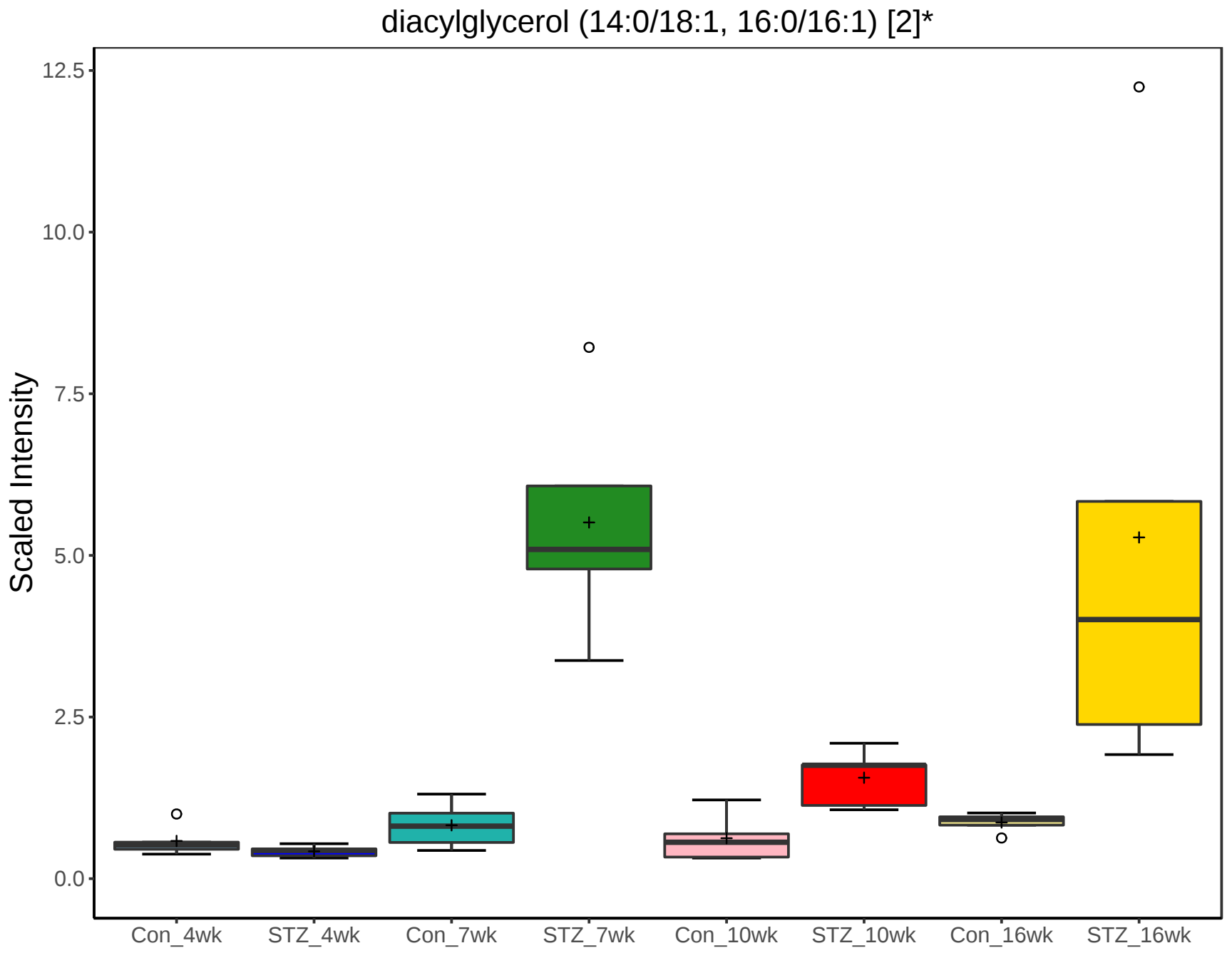

2-arachidonoylglycerol (20:4)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

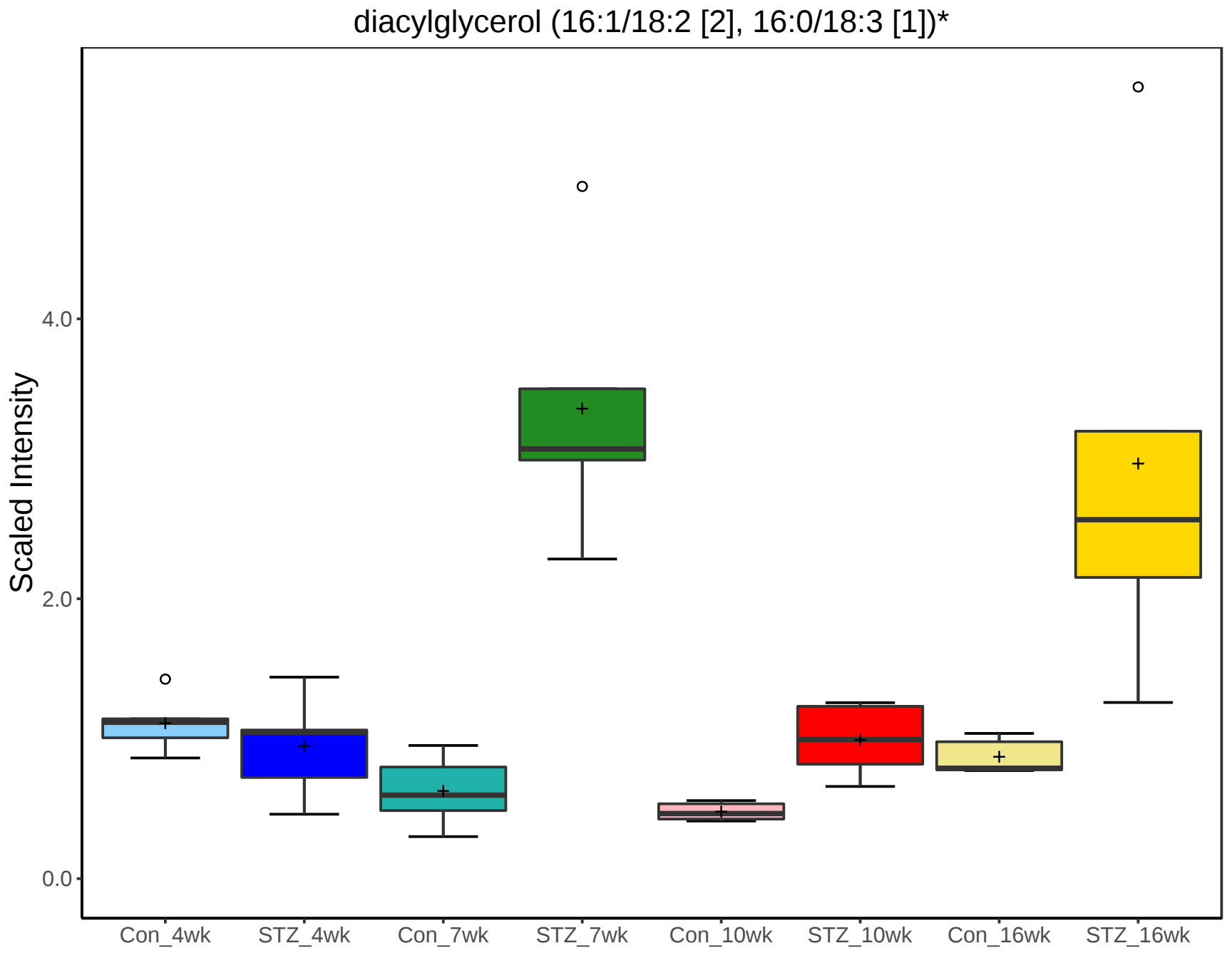

2-docosahexaenoylglycerol (22:6)*
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

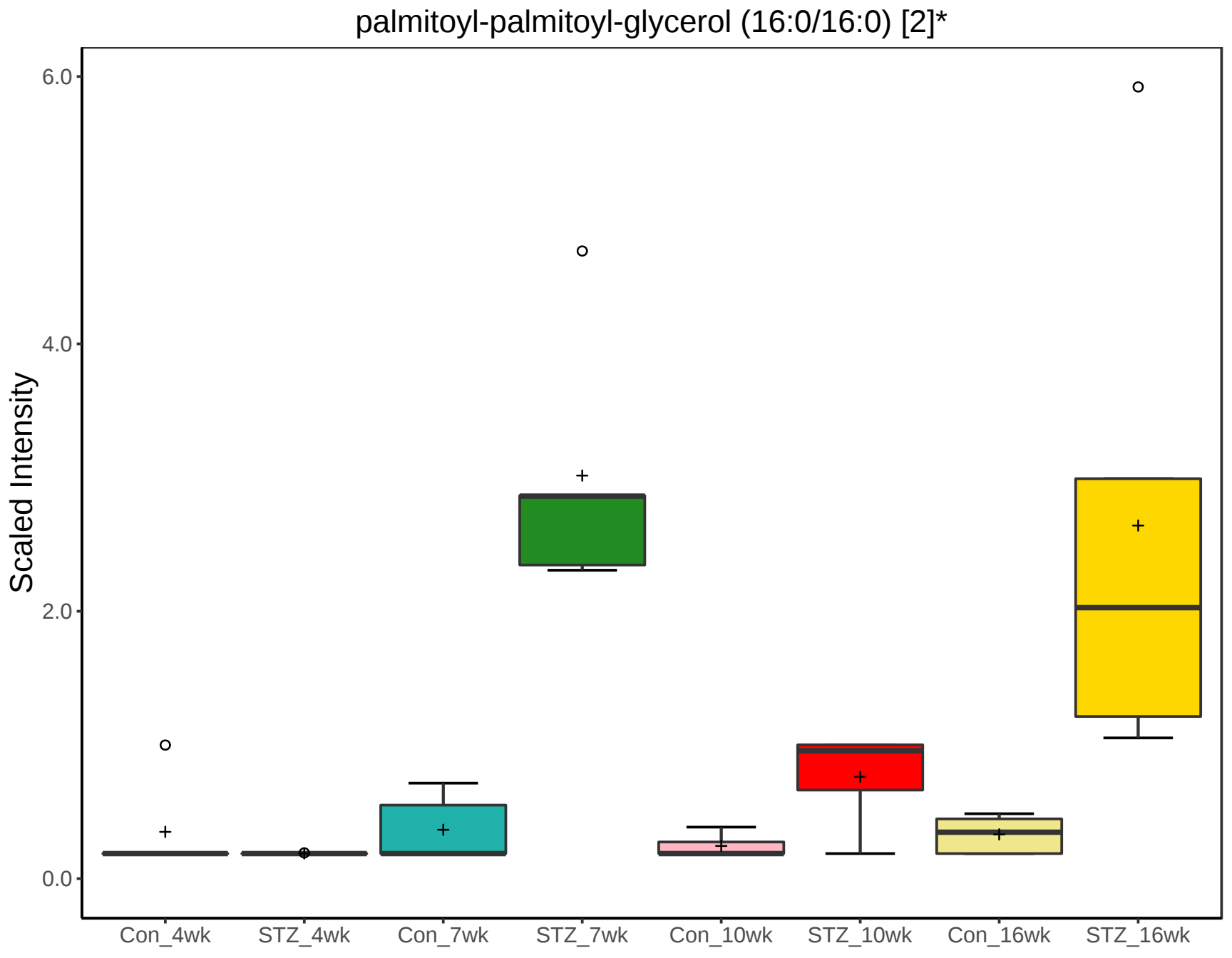

1-heptadecenoylglycerol (17:1)*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

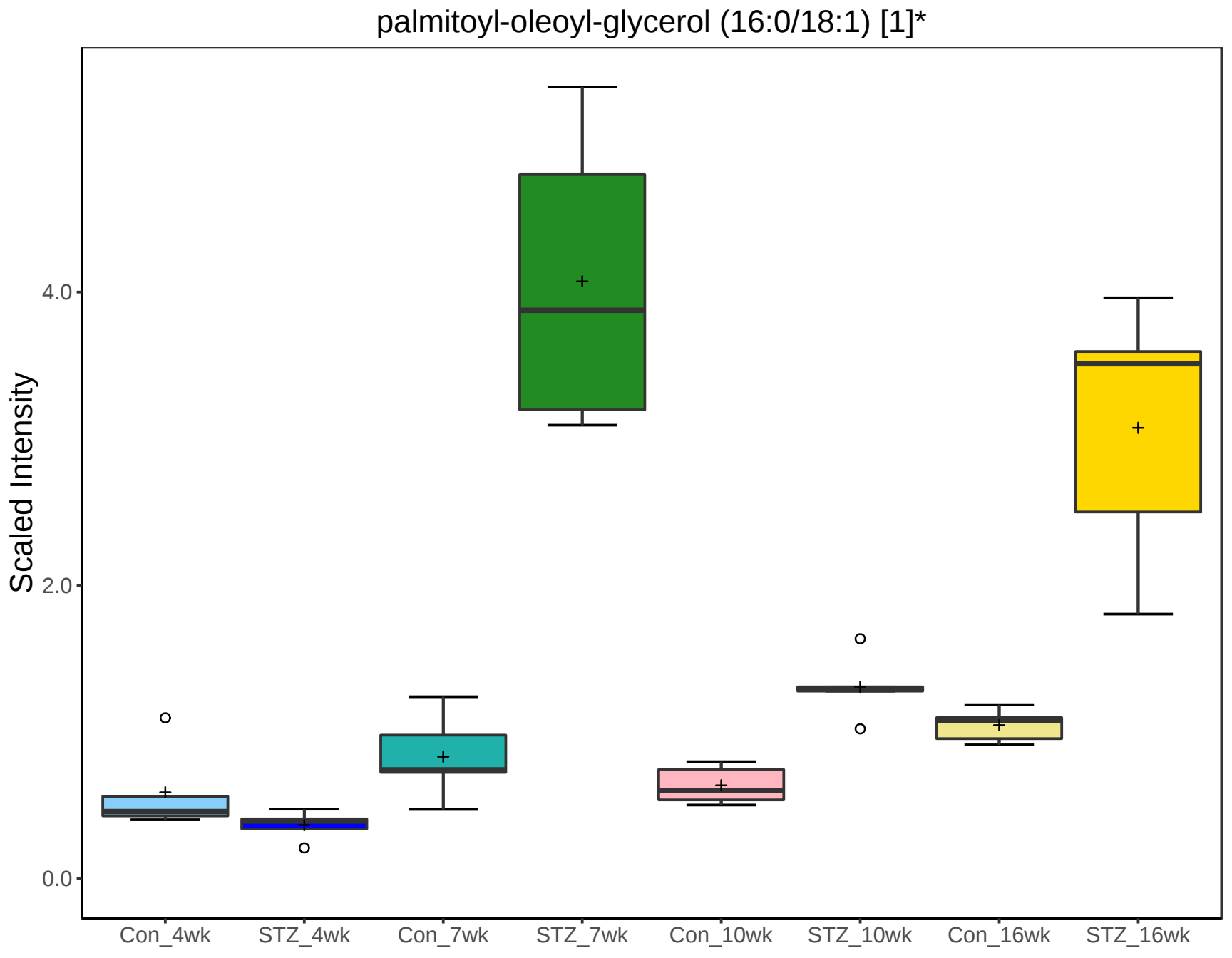

1-dihomo-linoleoylglycerol (20:2)
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

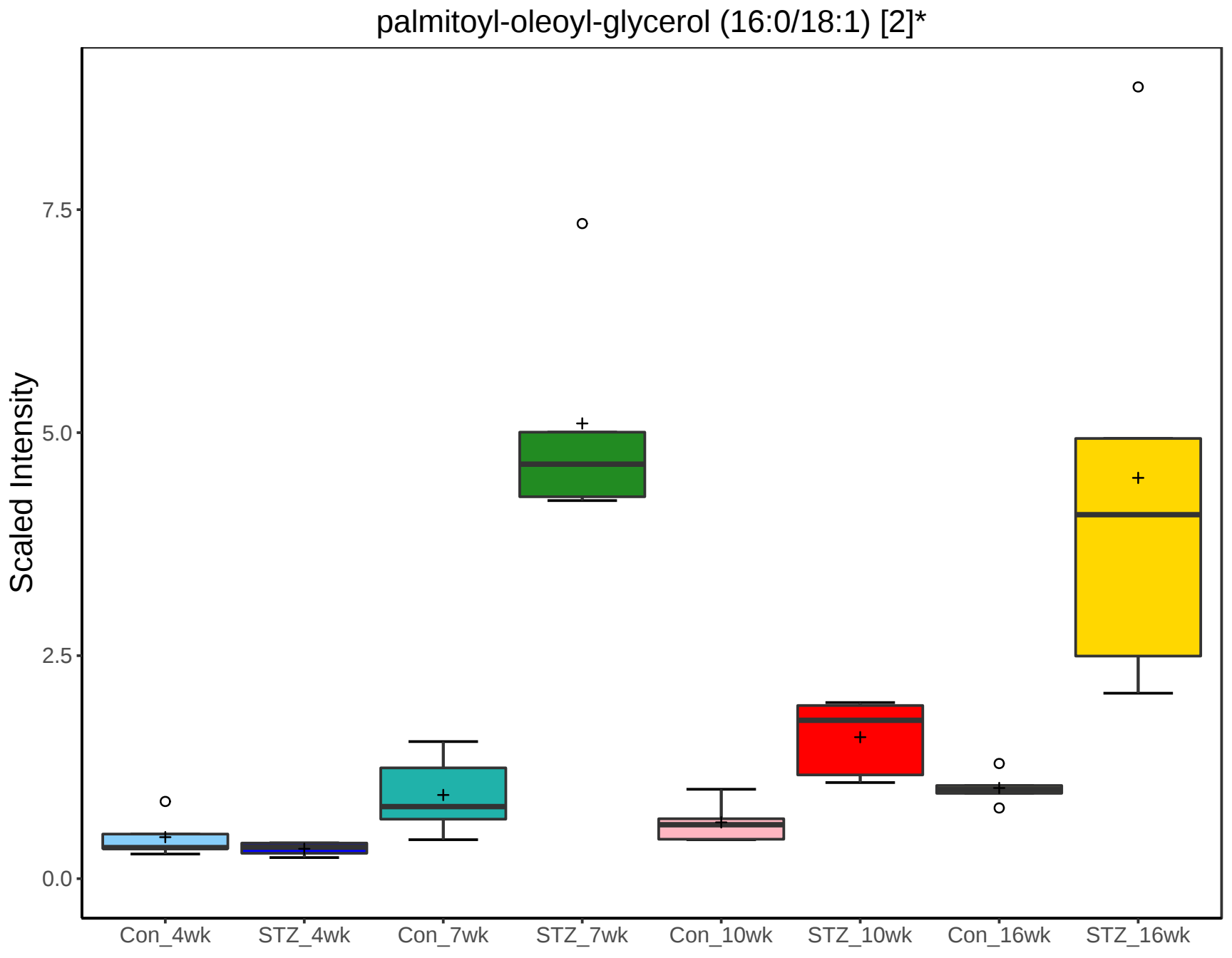

diacylglycerol (14:0/18:1, 16:0/16:1) [1]*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

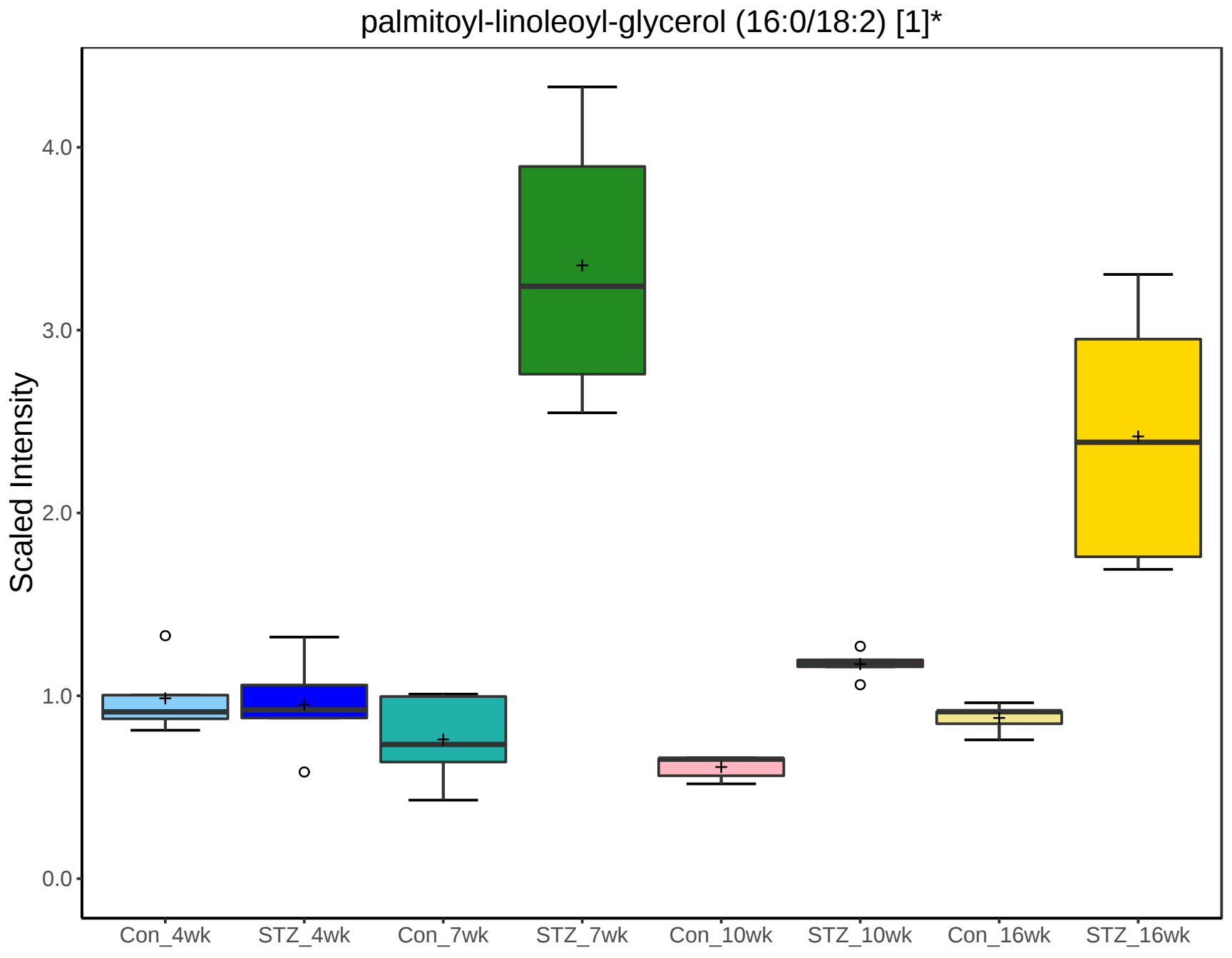

diacylglycerol (14:0/18:1, 16:0/16:1) [2]*
Scaled Intensity
12.5
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

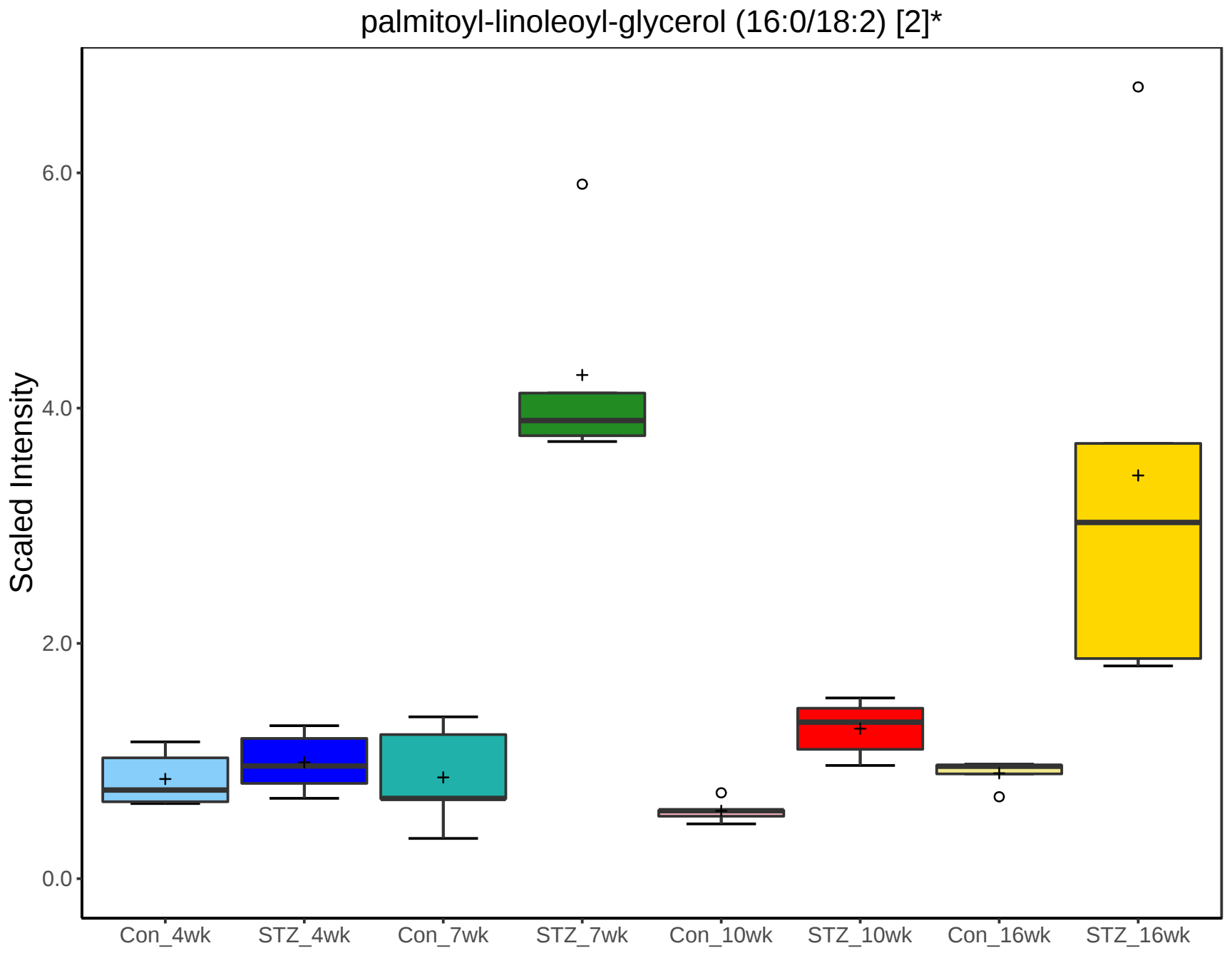

diacylglycerol (16:1/18:2 [2], 16:0/18:3 [1])*
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

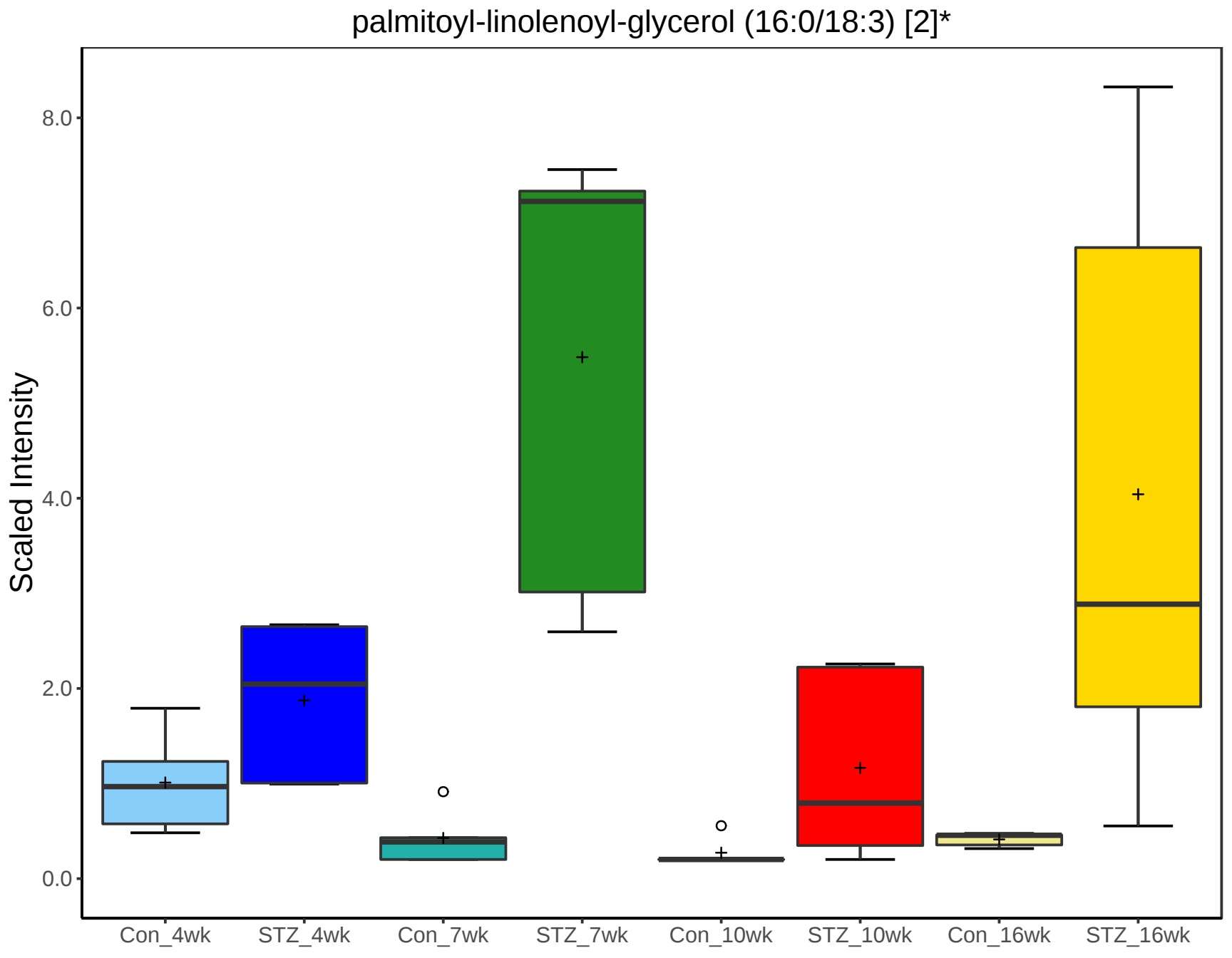

palmitoyl-palmitoyl-glycerol (16:0/16:0) [2]*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

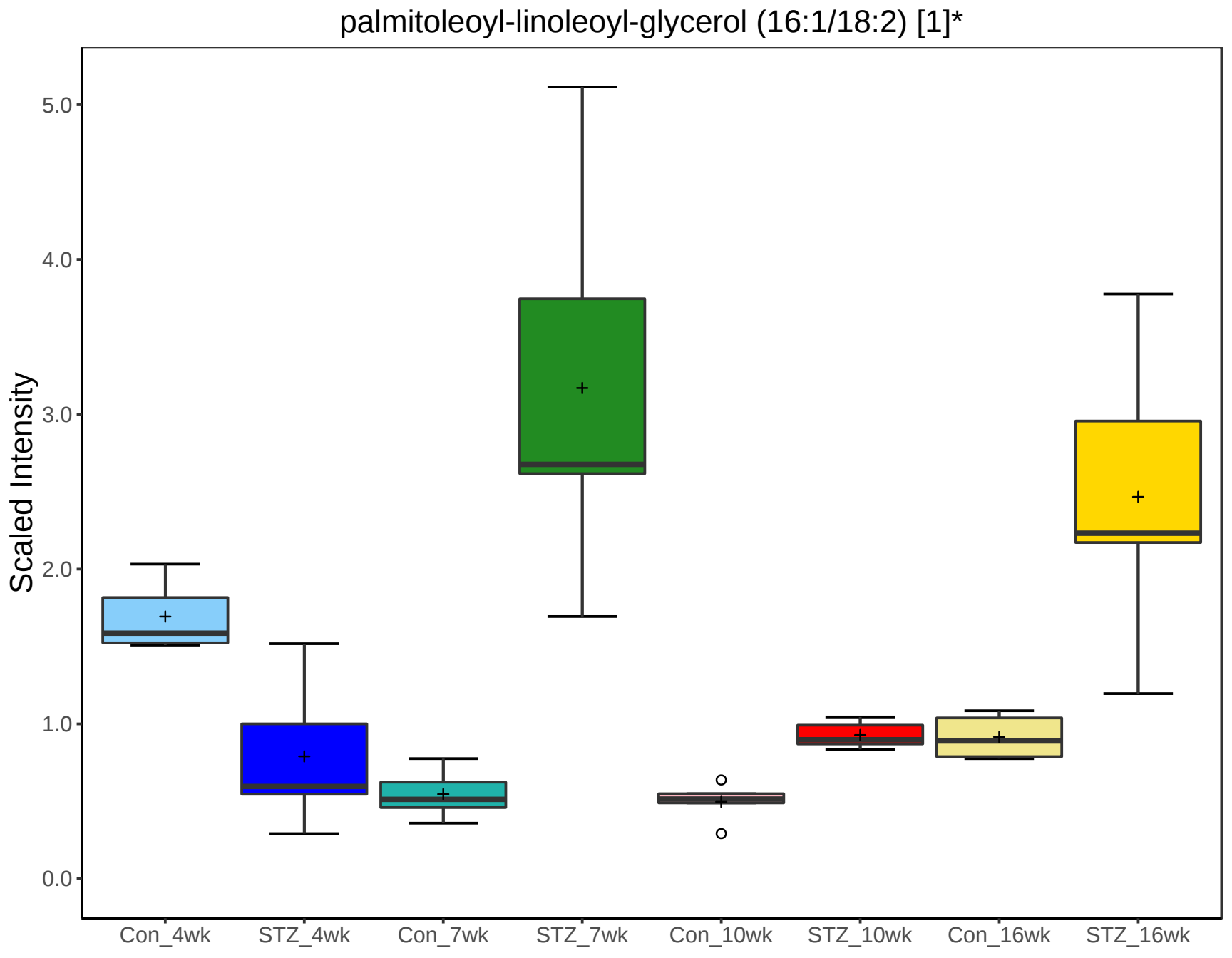

palmitoyl-oleoyl-glycerol (16:0/18:1) [1]*
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

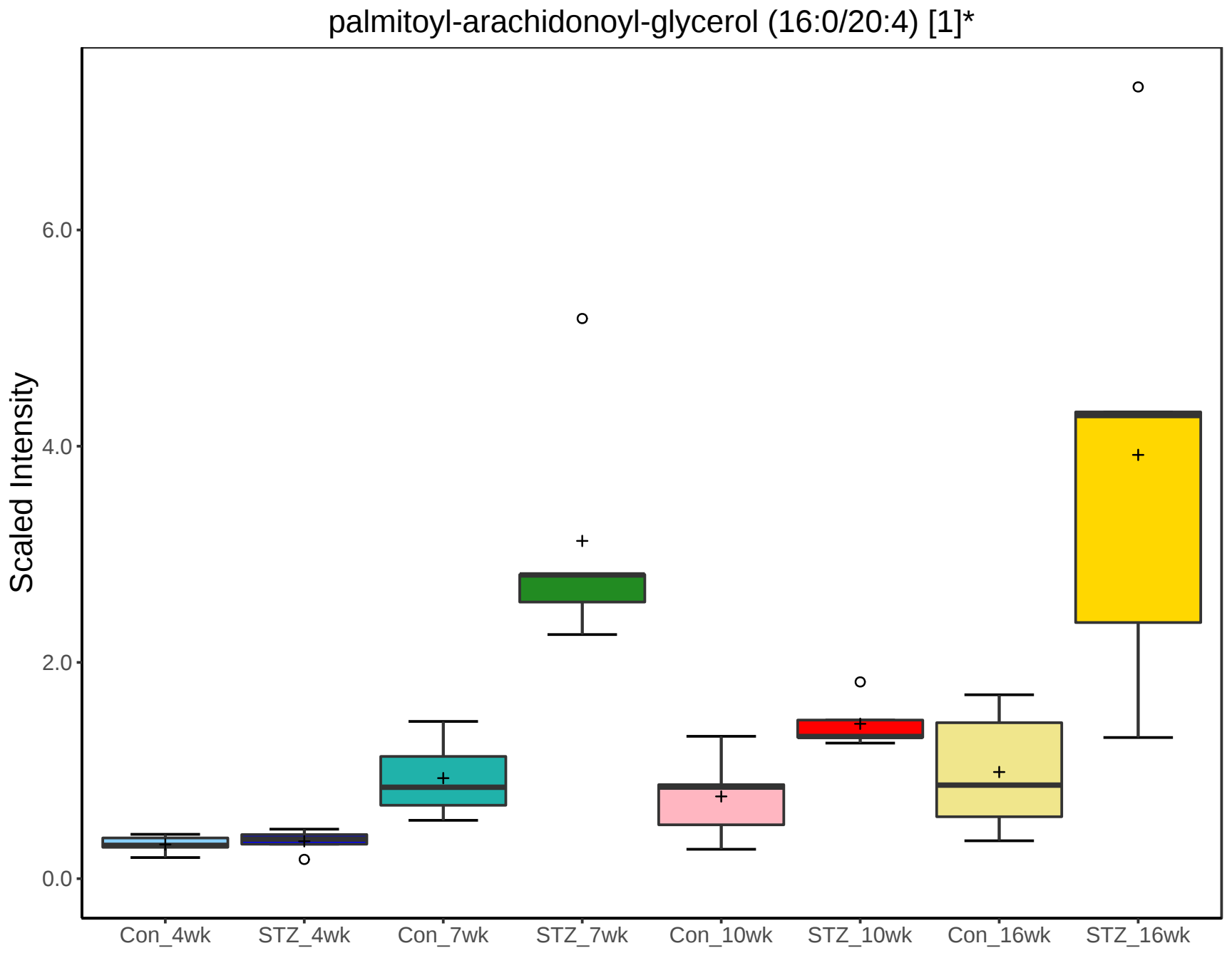

palmitoyl-oleoyl-glycerol (16:0/18:1) [2]*
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

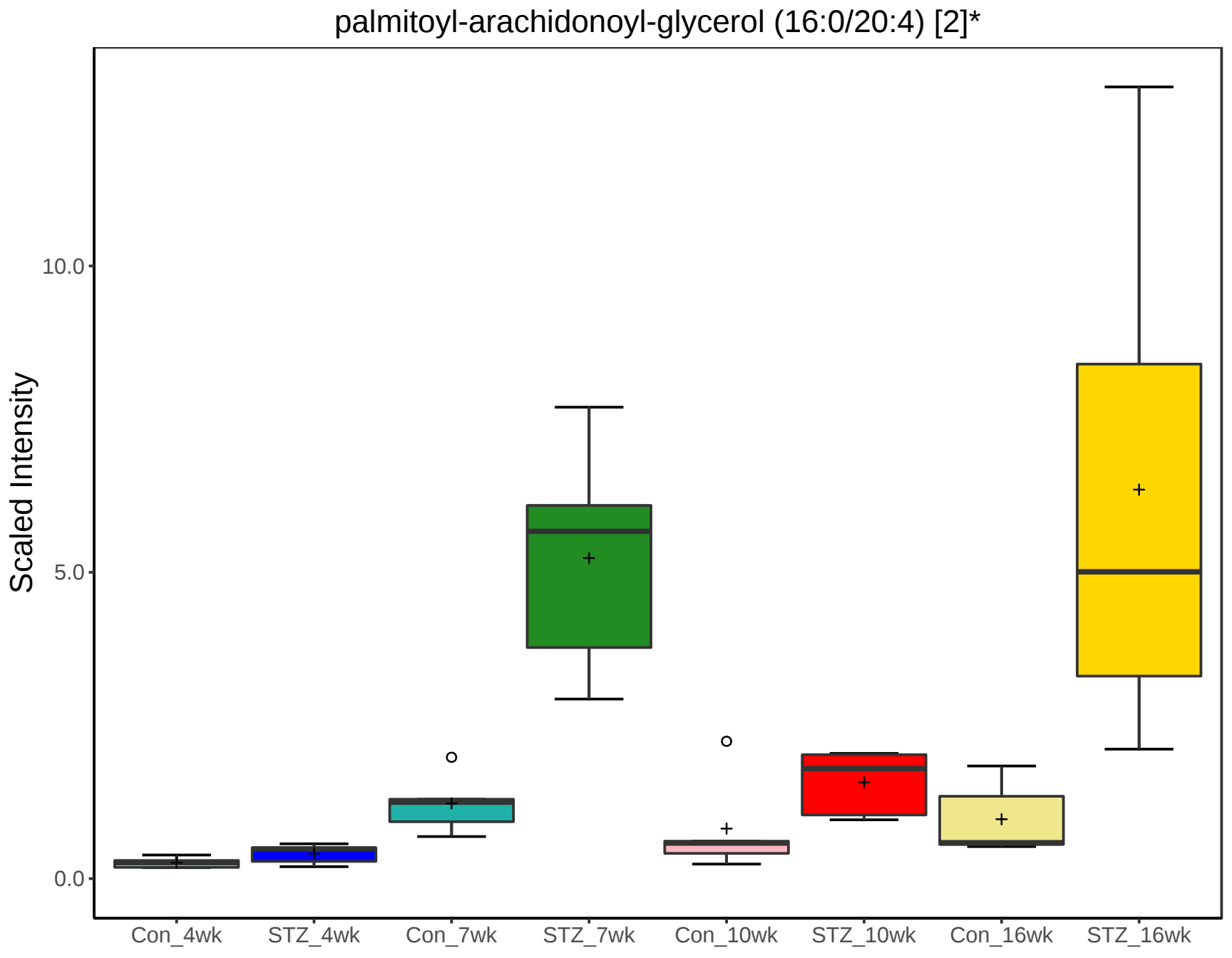

palmitoyl-linoleoyl-glycerol (16:0/18:2) [1]*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

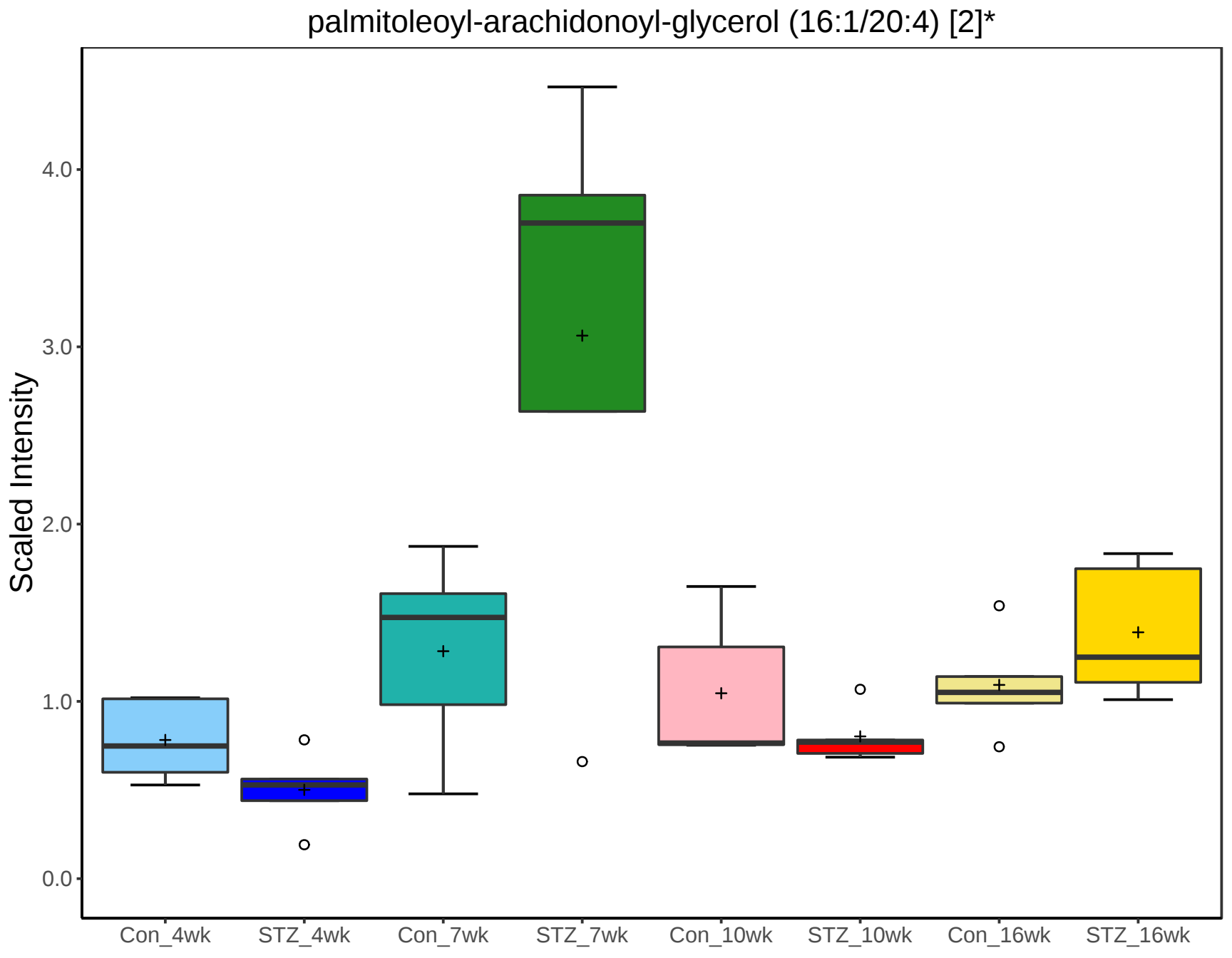

palmitoyl-linoleoyl-glycerol (16:0/18:2) [2]*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

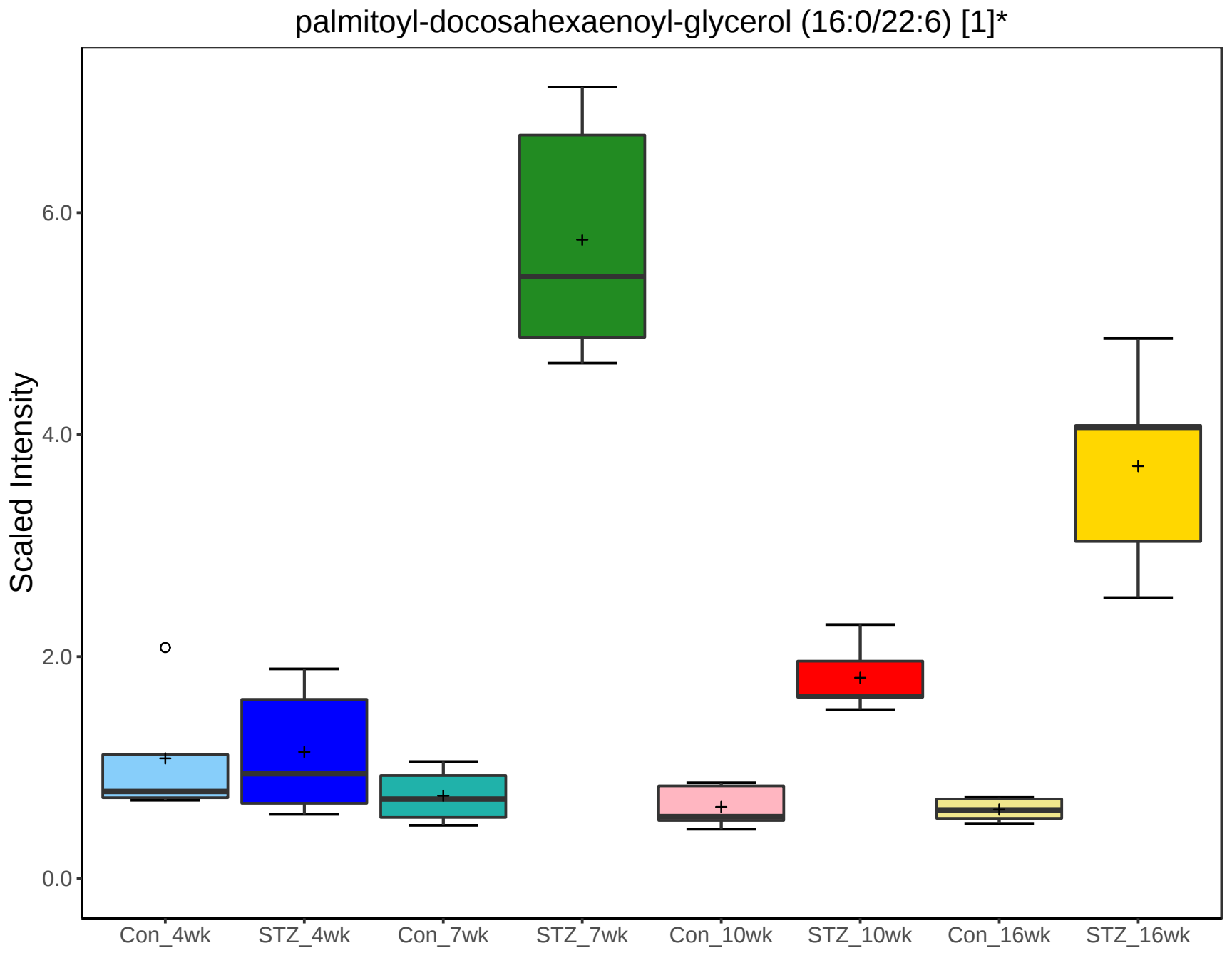

palmitoyl-linolenoyl-glycerol (16:0/18:3) [2]*
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

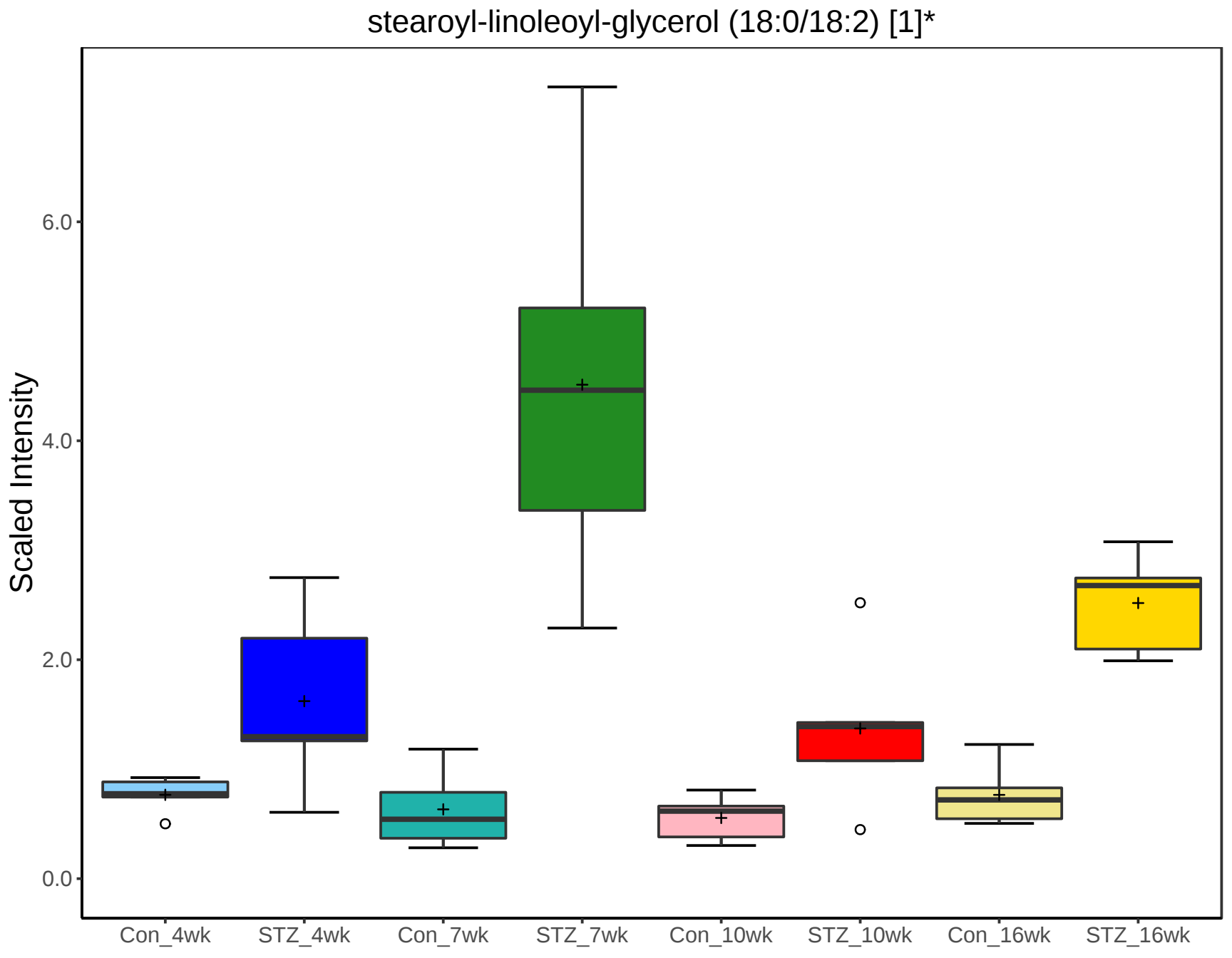

palmitoleoyl-linoleoyl-glycerol (16:1/18:2) [1]*
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

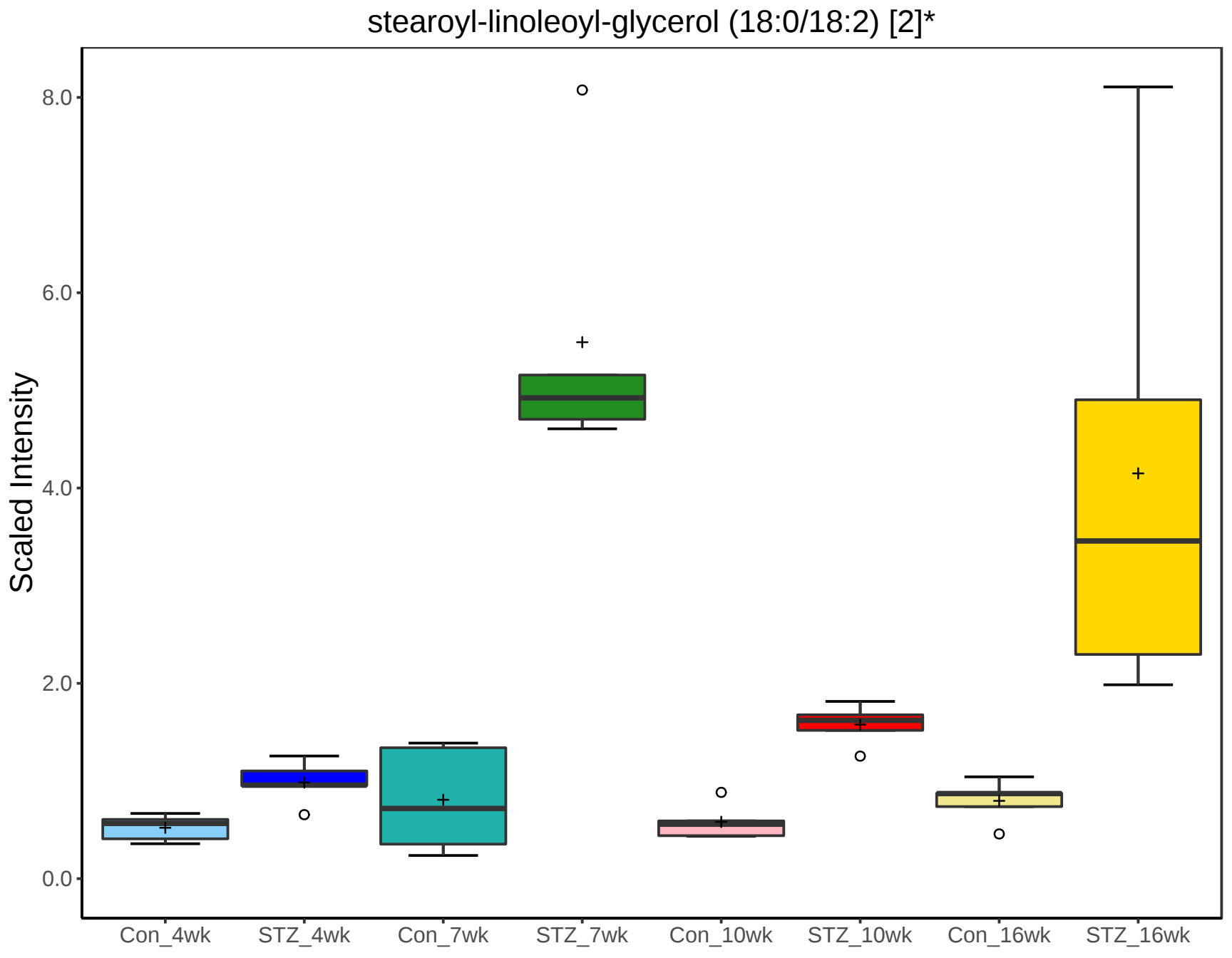

palmitoyl-arachidonoyl-glycerol (16:0/20:4) [1]*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

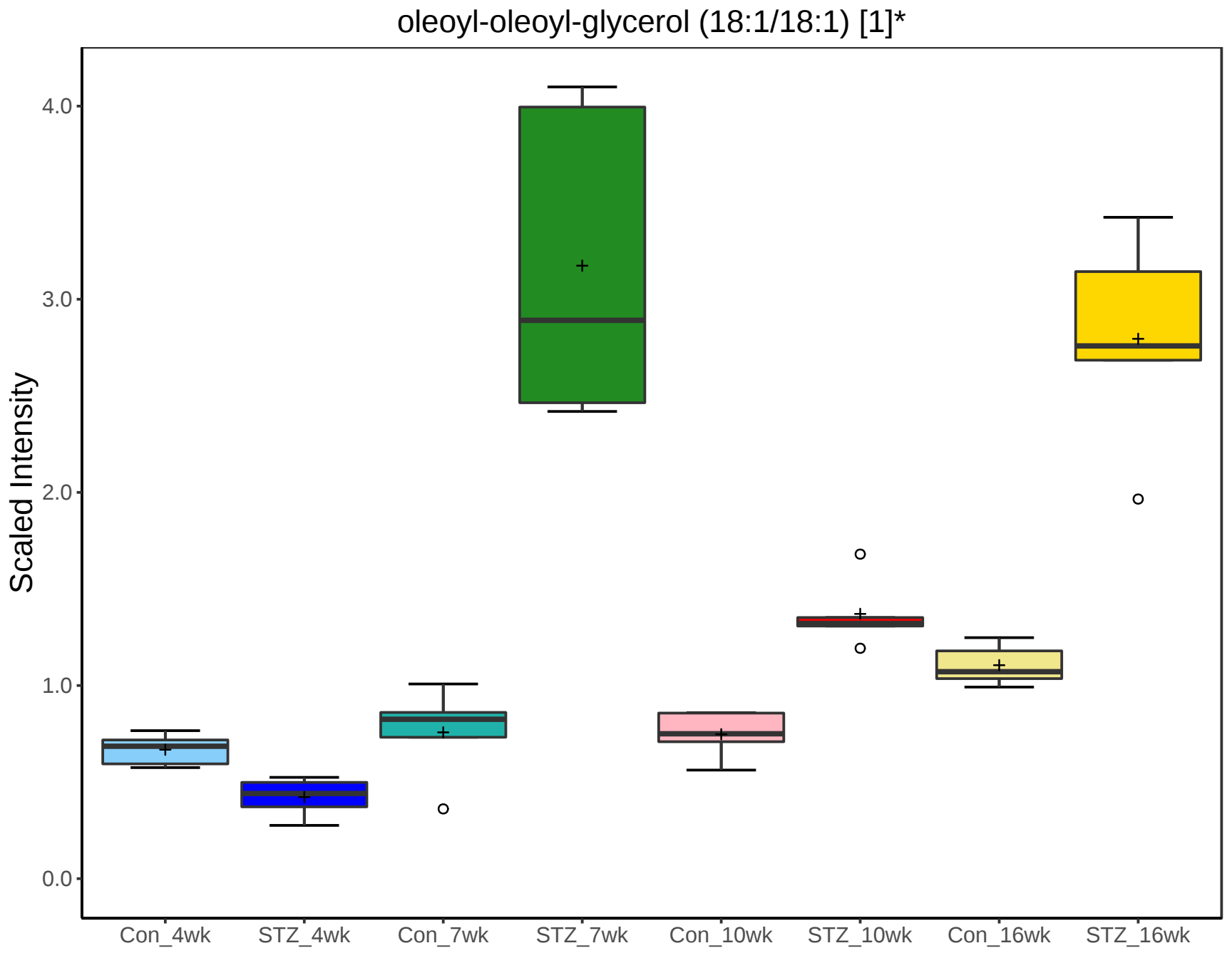

palmitoyl-arachidonoyl-glycerol (16:0/20:4) [2]*
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

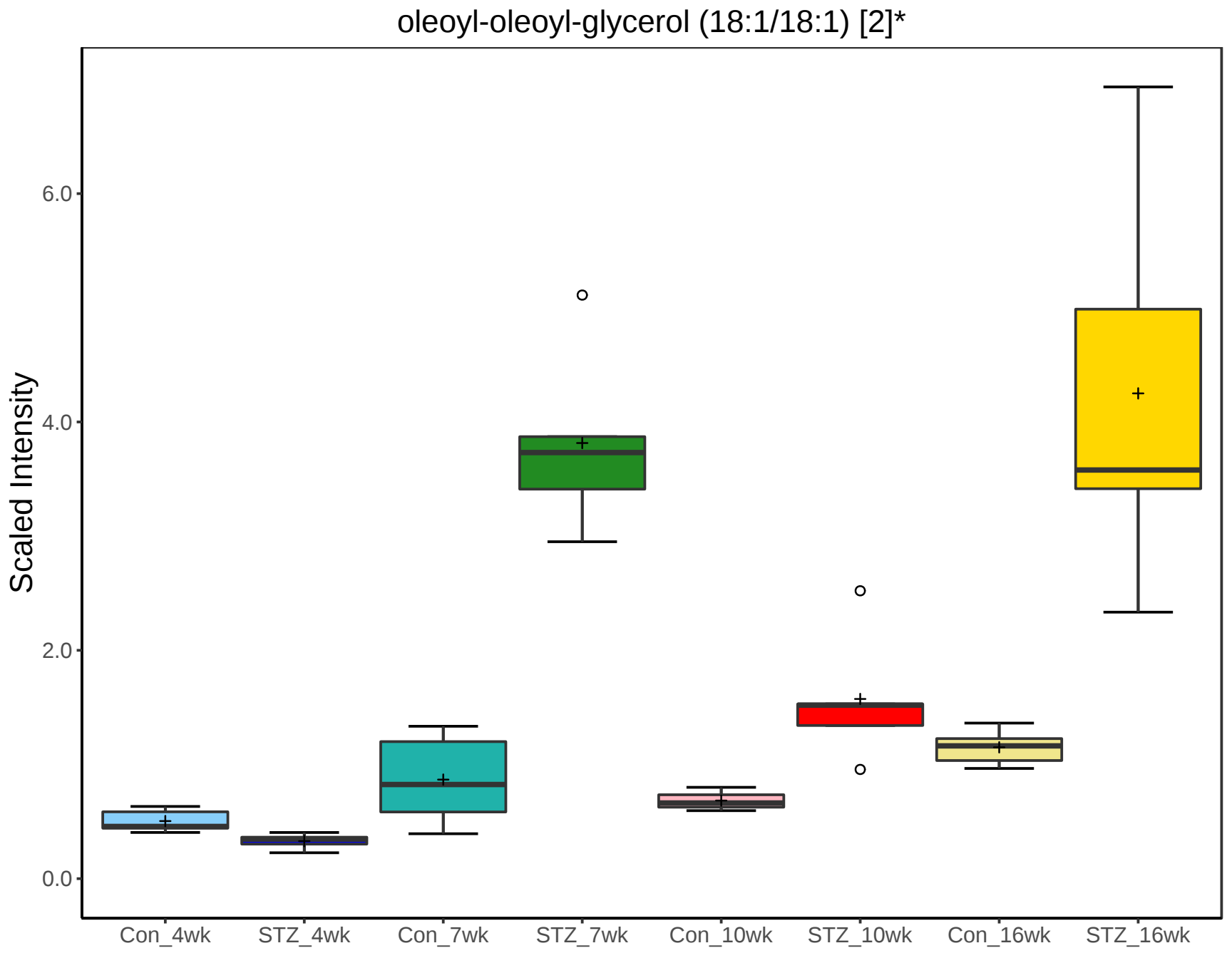

palmitoleoyl-arachidonoyl-glycerol (16:1/20:4) [2]*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

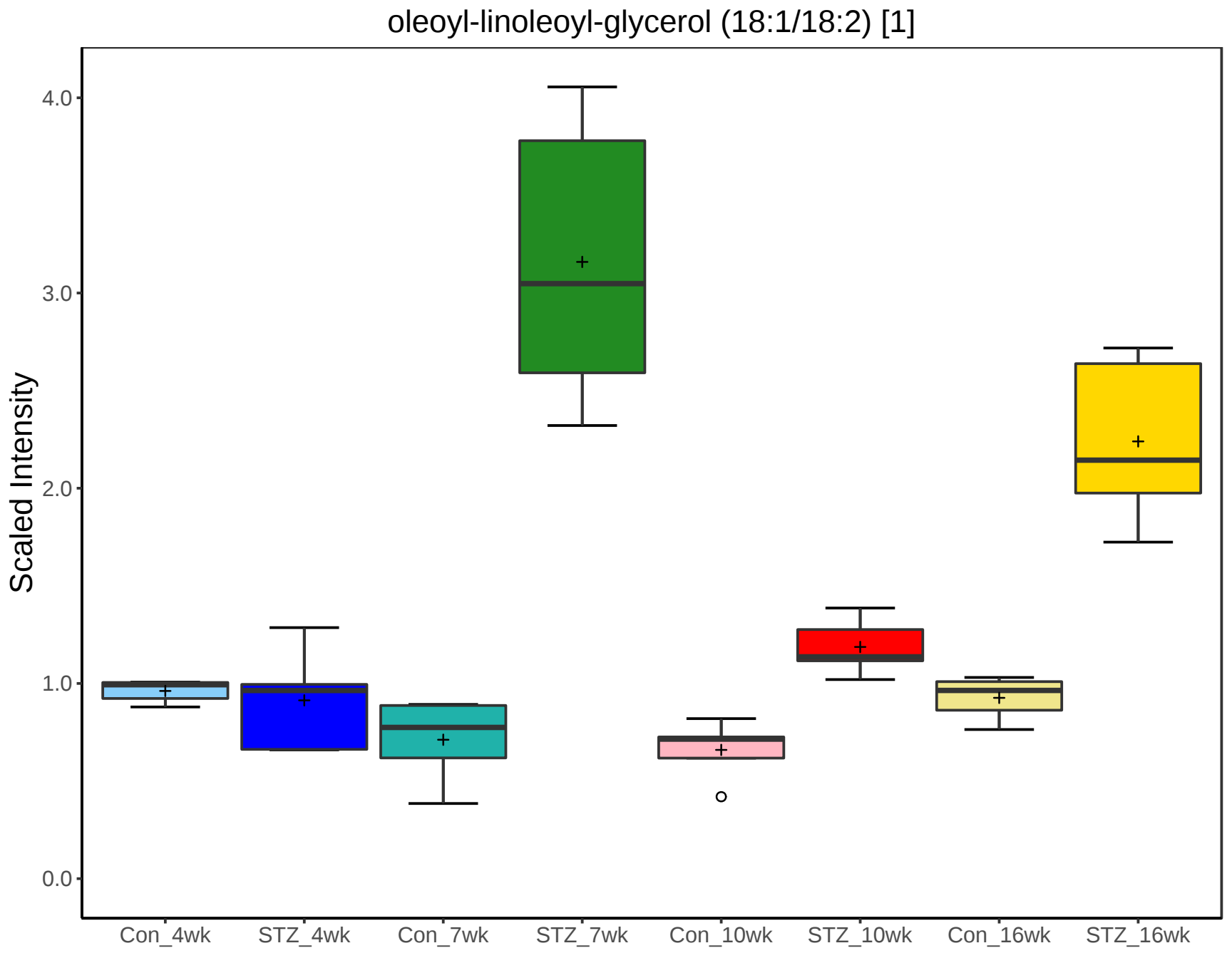

palmitoyl-docosahexaenoyl-glycerol (16:0/22:6) [1]*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

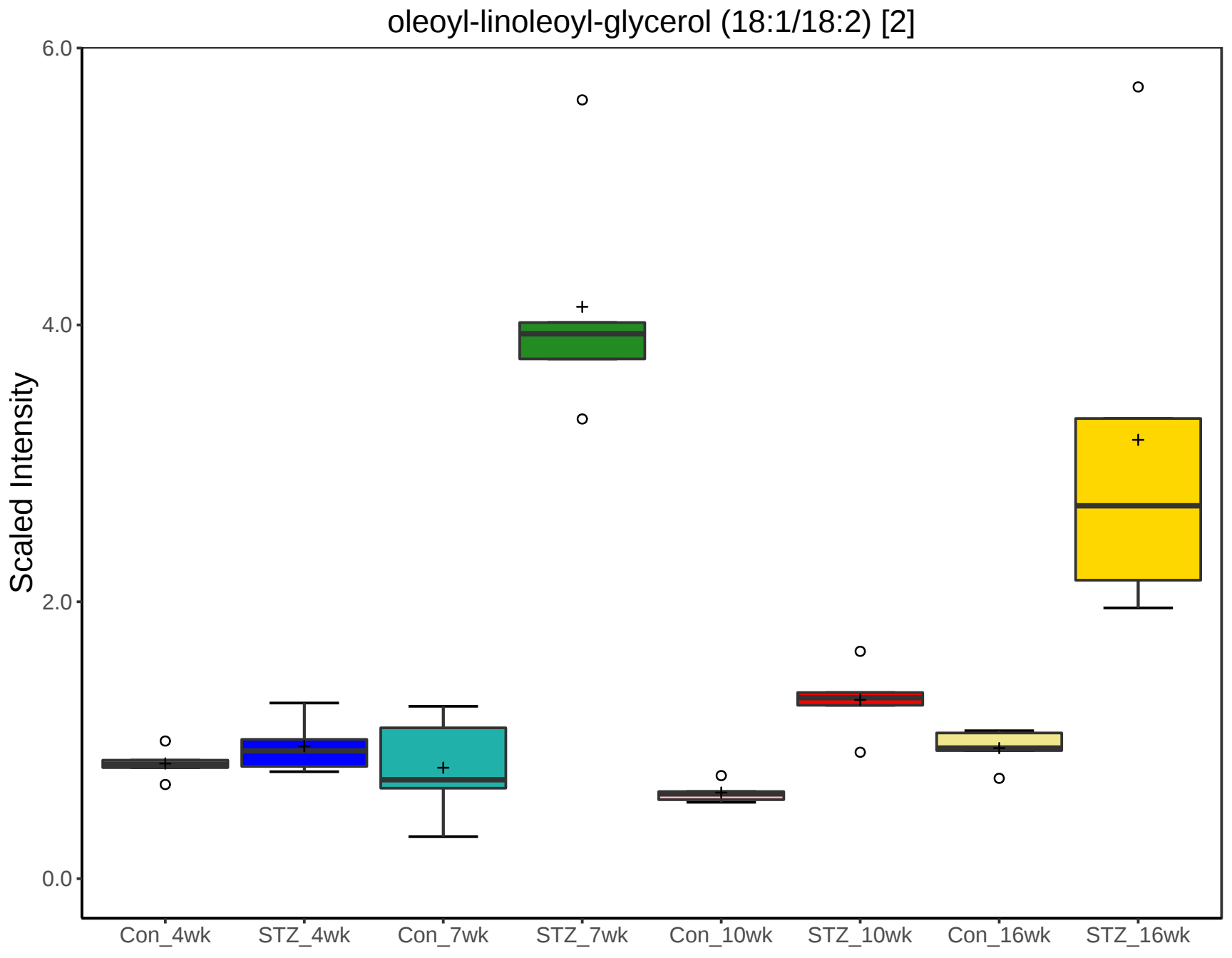

stearoyl-linoleoyl-glycerol (18:0/18:2) [1]*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

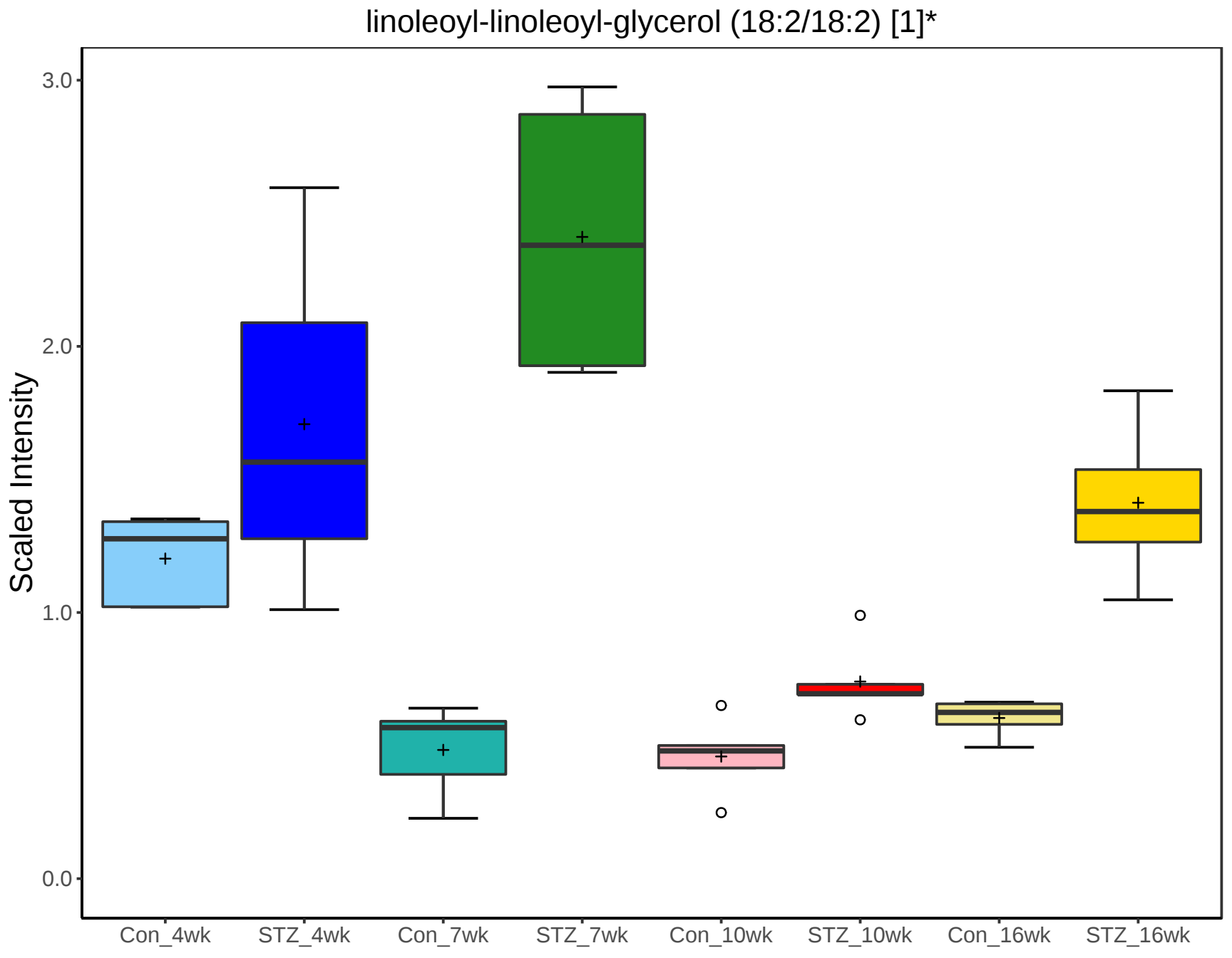

stearoyl-linoleoyl-glycerol (18:0/18:2) [2]*
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

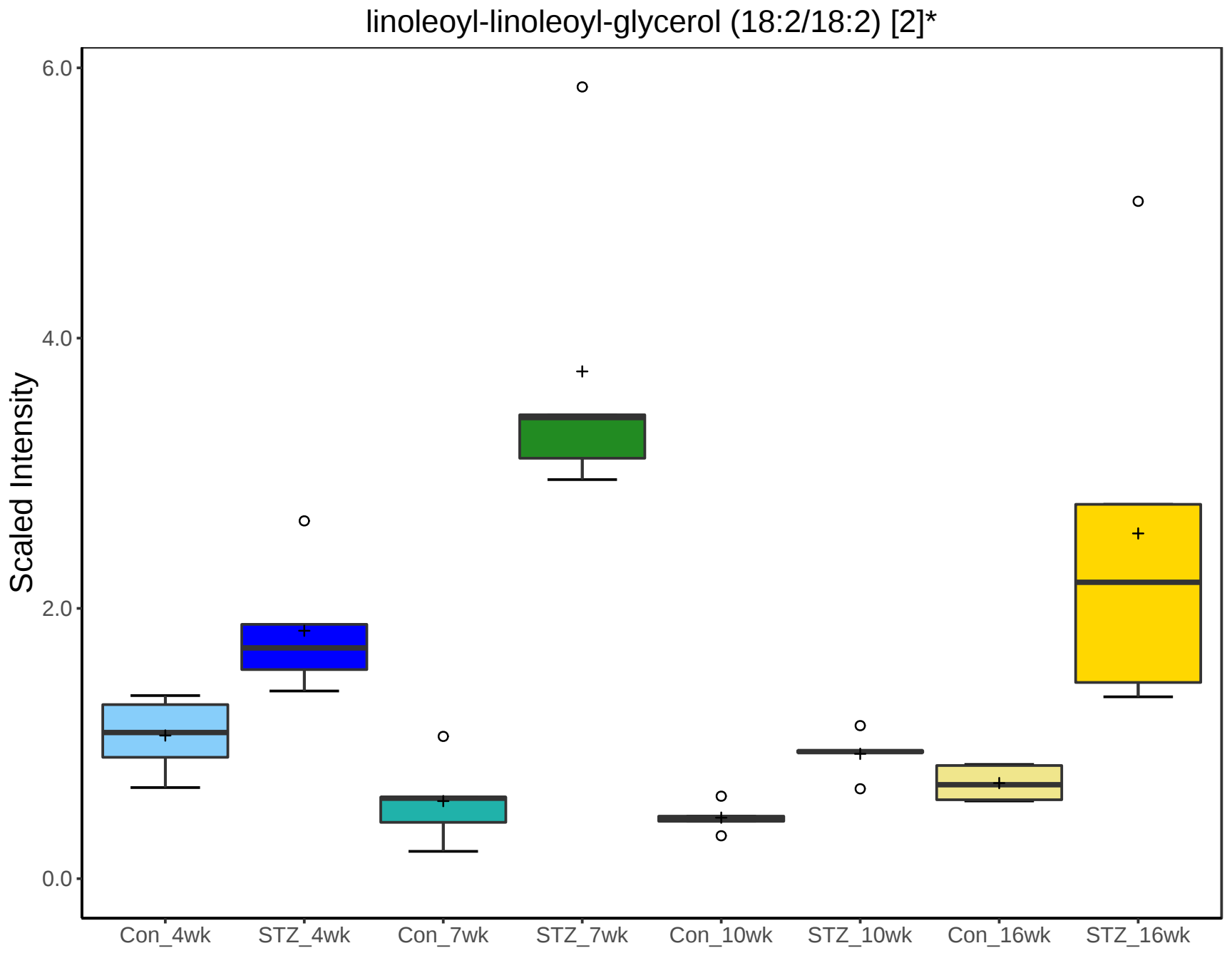

oleoyl-oleoyl-glycerol (18:1/18:1) [1]*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

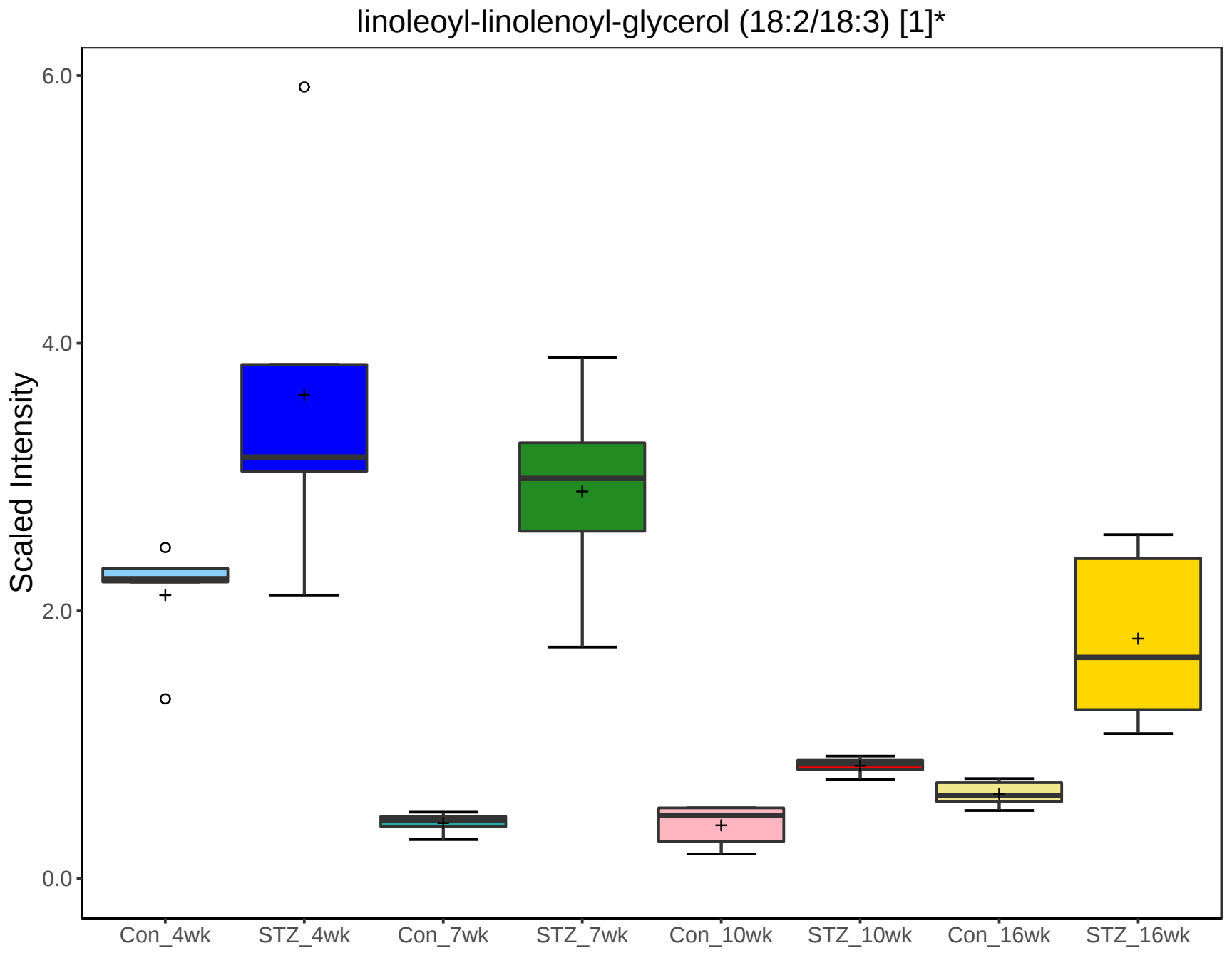

oleoyl-oleoyl-glycerol (18:1/18:1) [2]*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

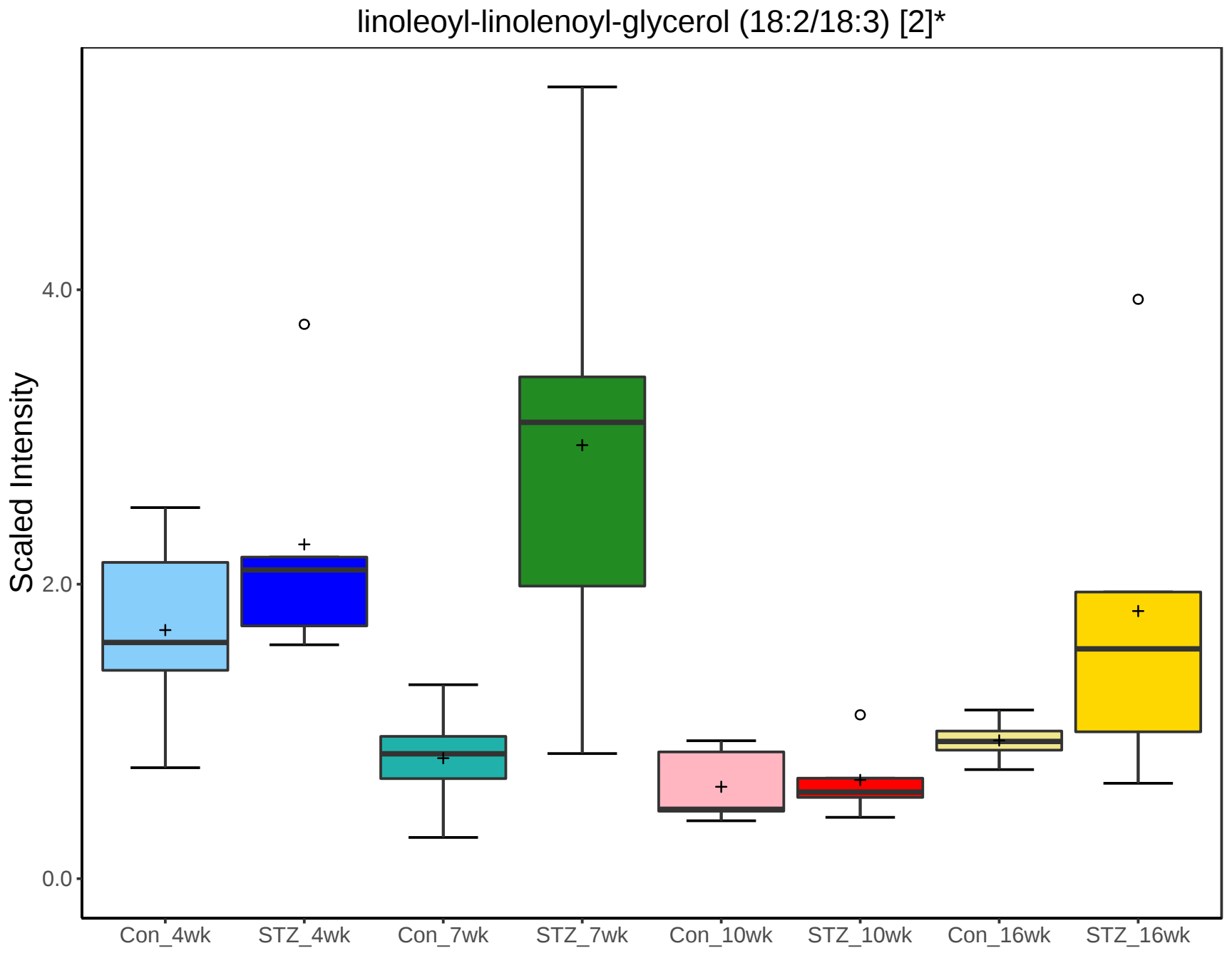

oleoyl-linoleoyl-glycerol (18:1/18:2) [1]
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

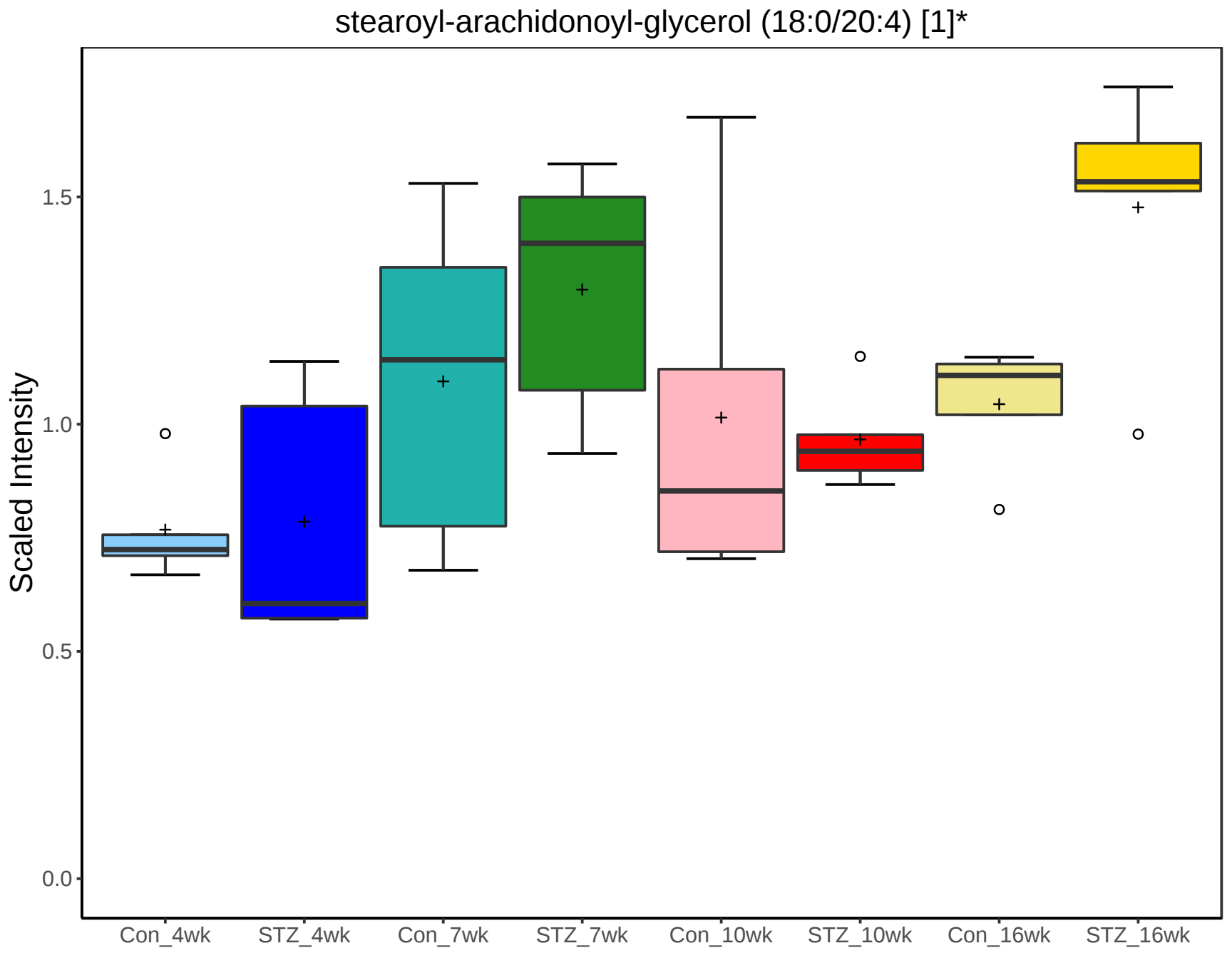

oleoyl-linoleoyl-glycerol (18:1/18:2) [2]
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

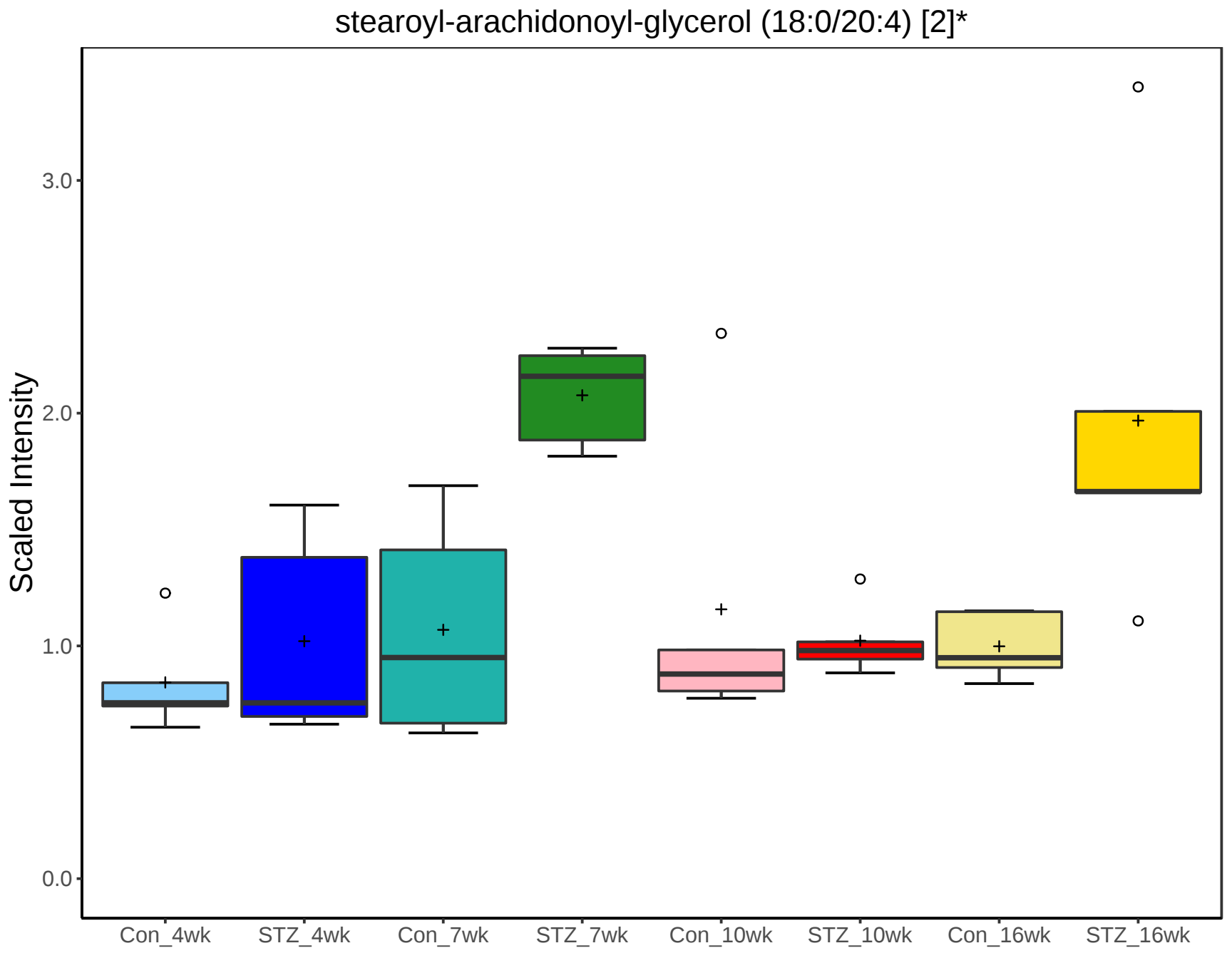

linoleoyl-linoleoyl-glycerol (18:2/18:2) [1]*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

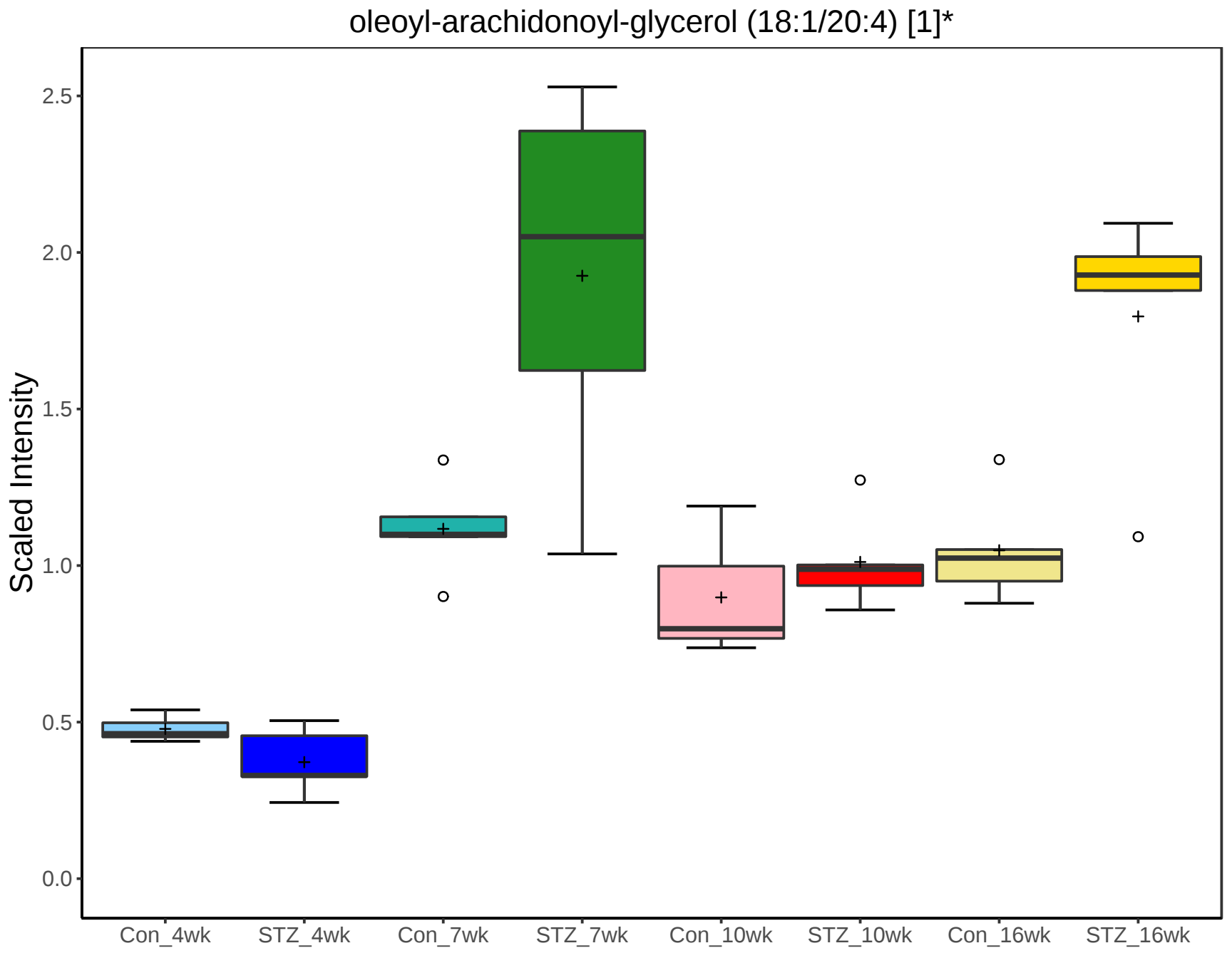

linoleoyl-linoleoyl-glycerol (18:2/18:2) [2]*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

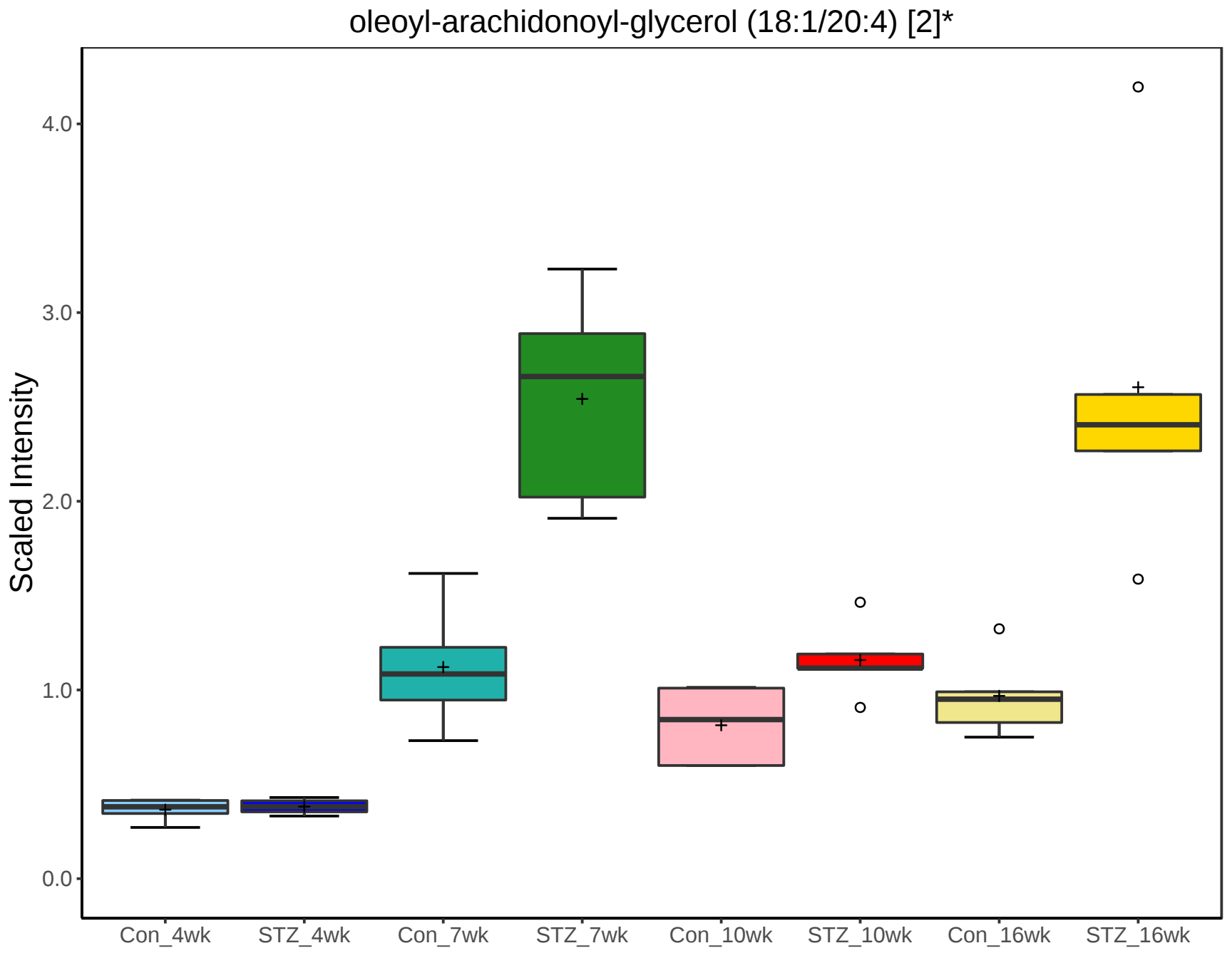

linoleoyl-linolenoyl-glycerol (18:2/18:3) [1]*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

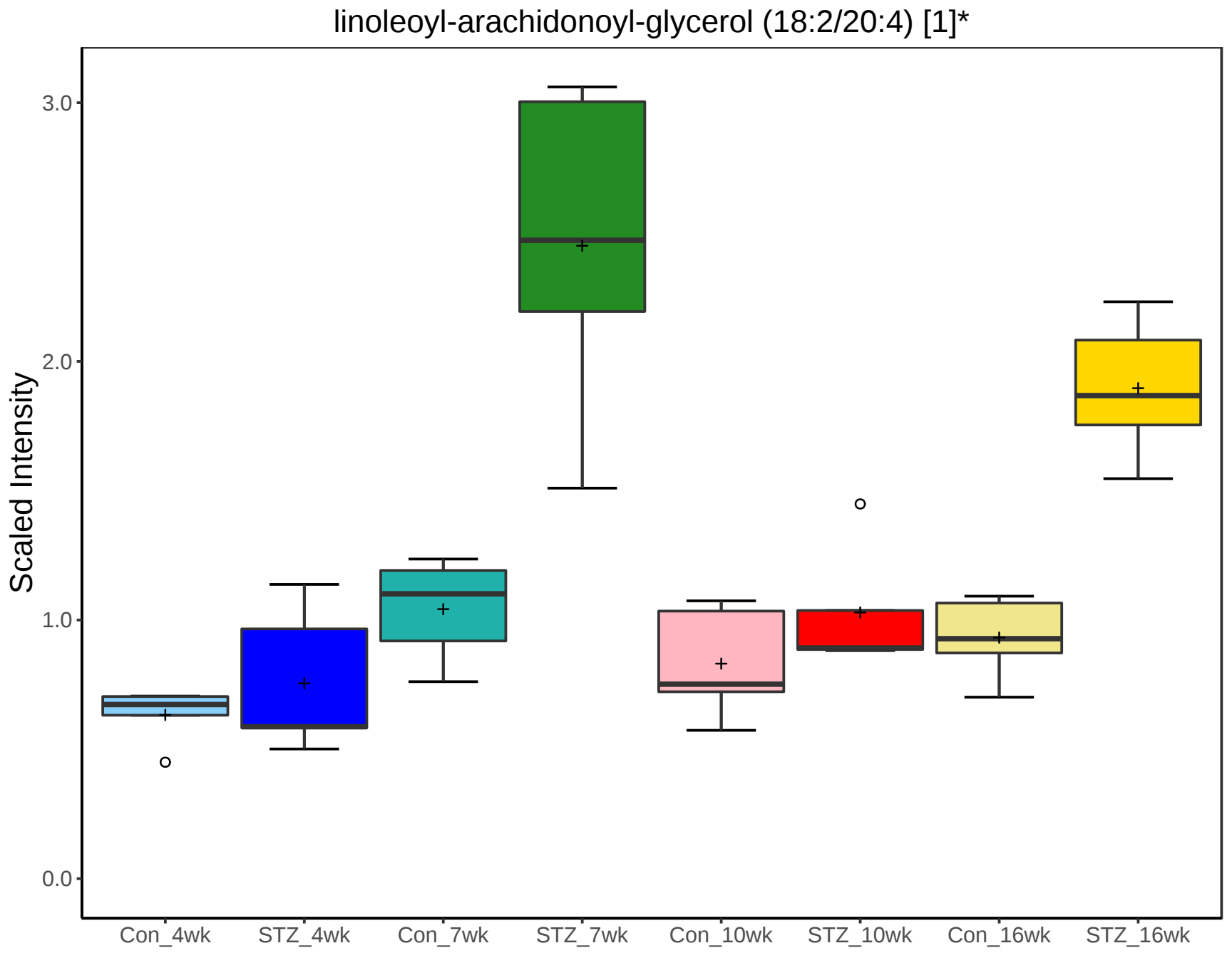

linoleoyl-linolenoyl-glycerol (18:2/18:3) [2]*
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

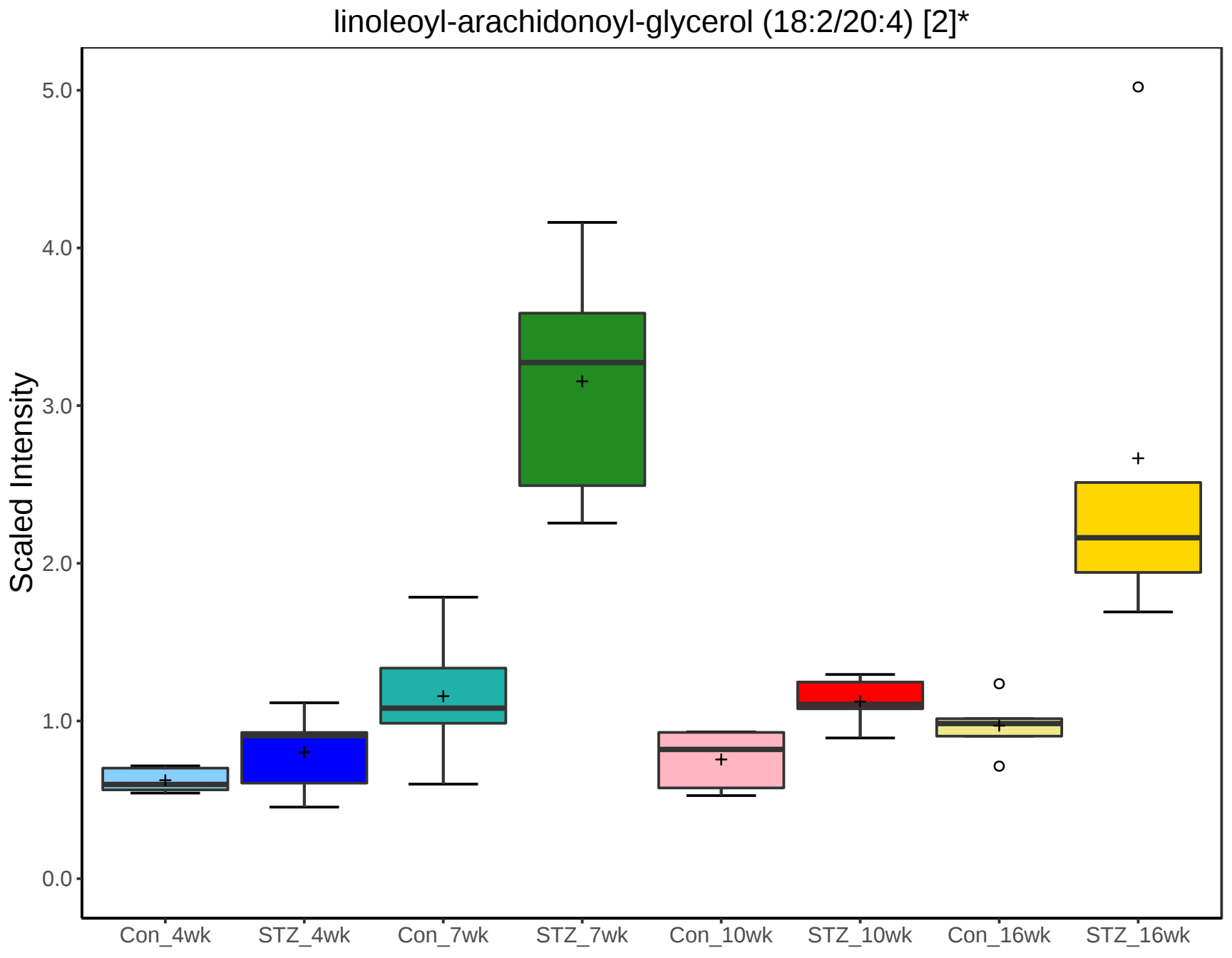

stearoyl-arachidonoyl-glycerol (18:0/20:4) [1]*
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

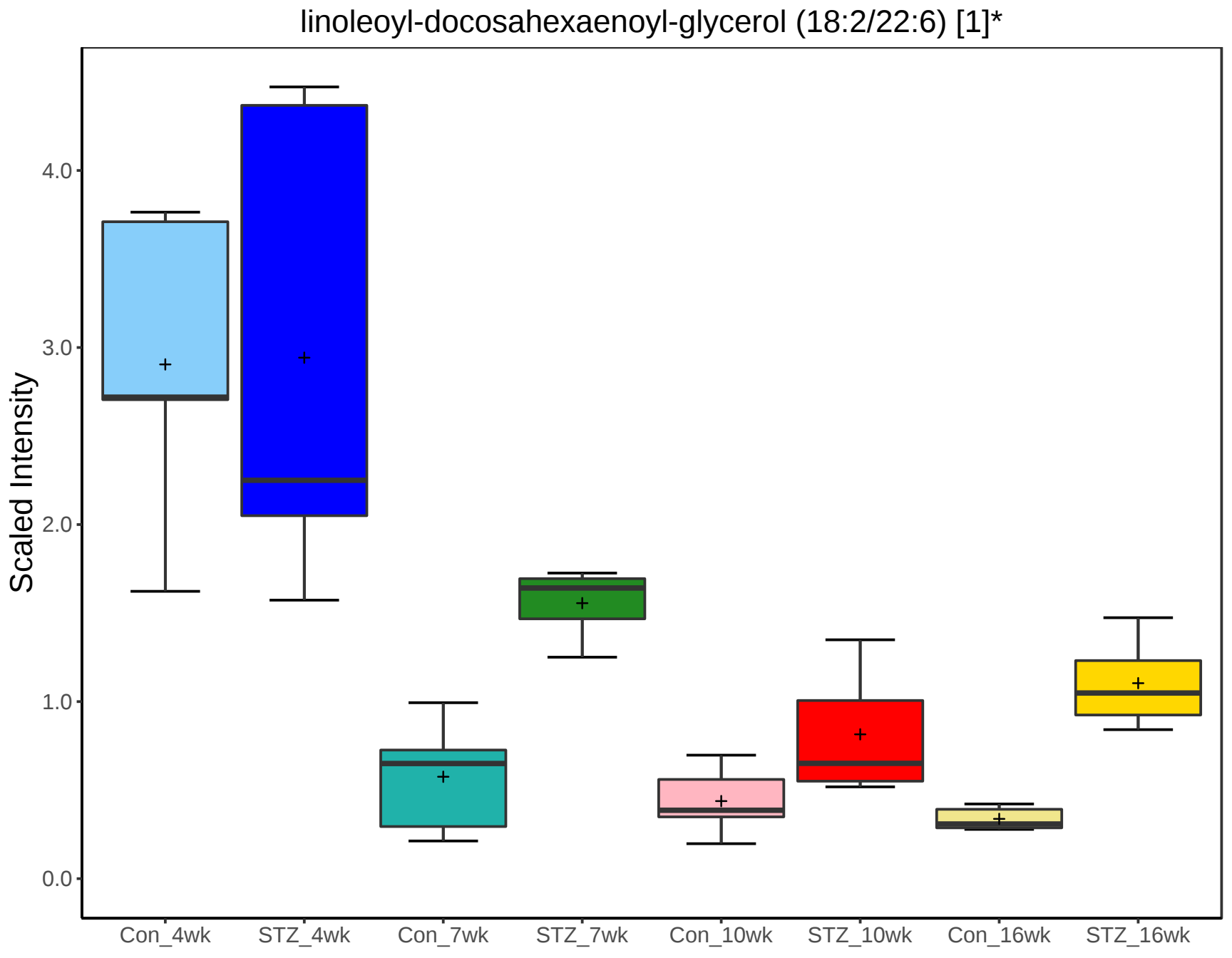

stearoyl-arachidonoyl-glycerol (18:0/20:4) [2]*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

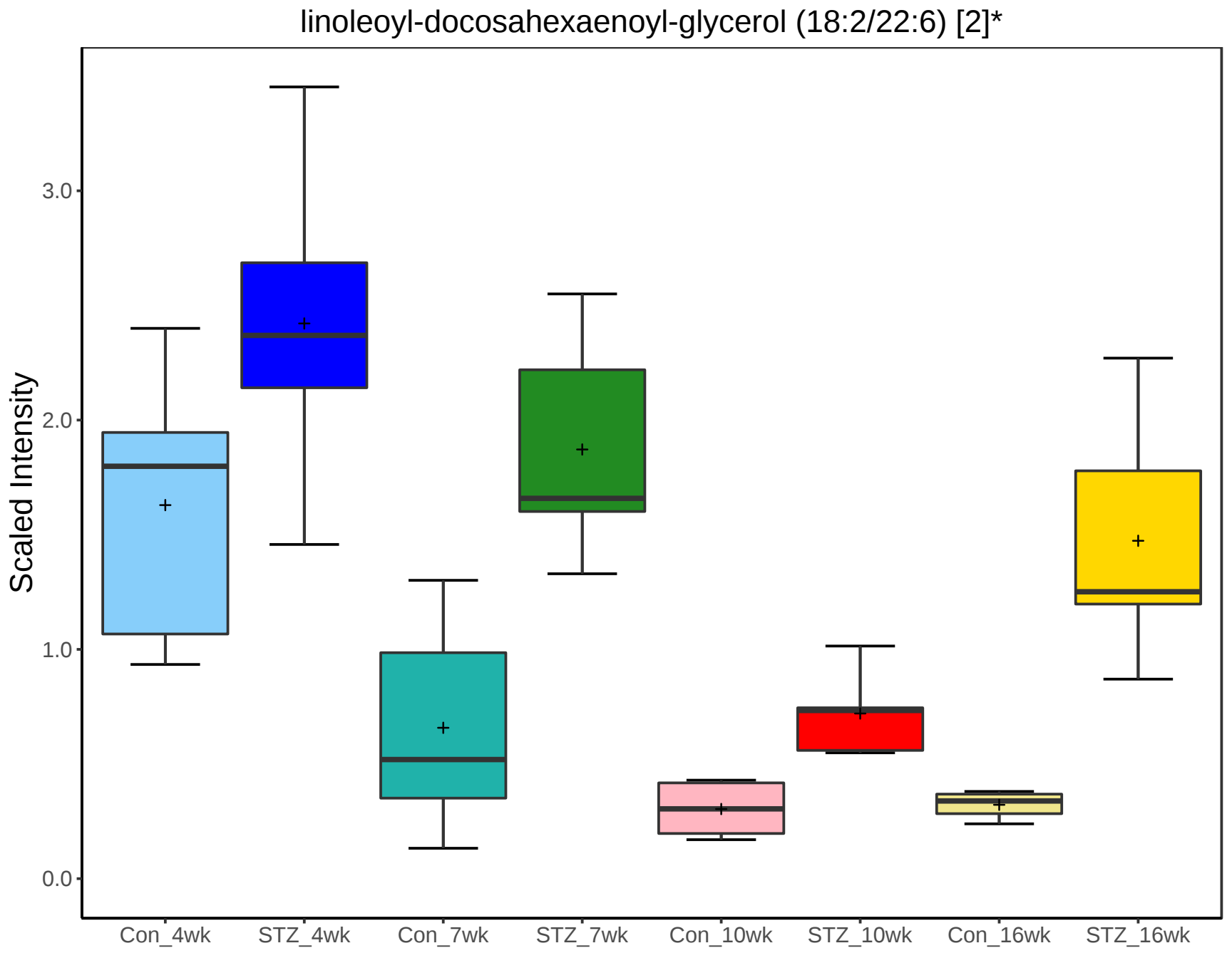

oleoyl-arachidonoyl-glycerol (18:1/20:4) [1]*
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

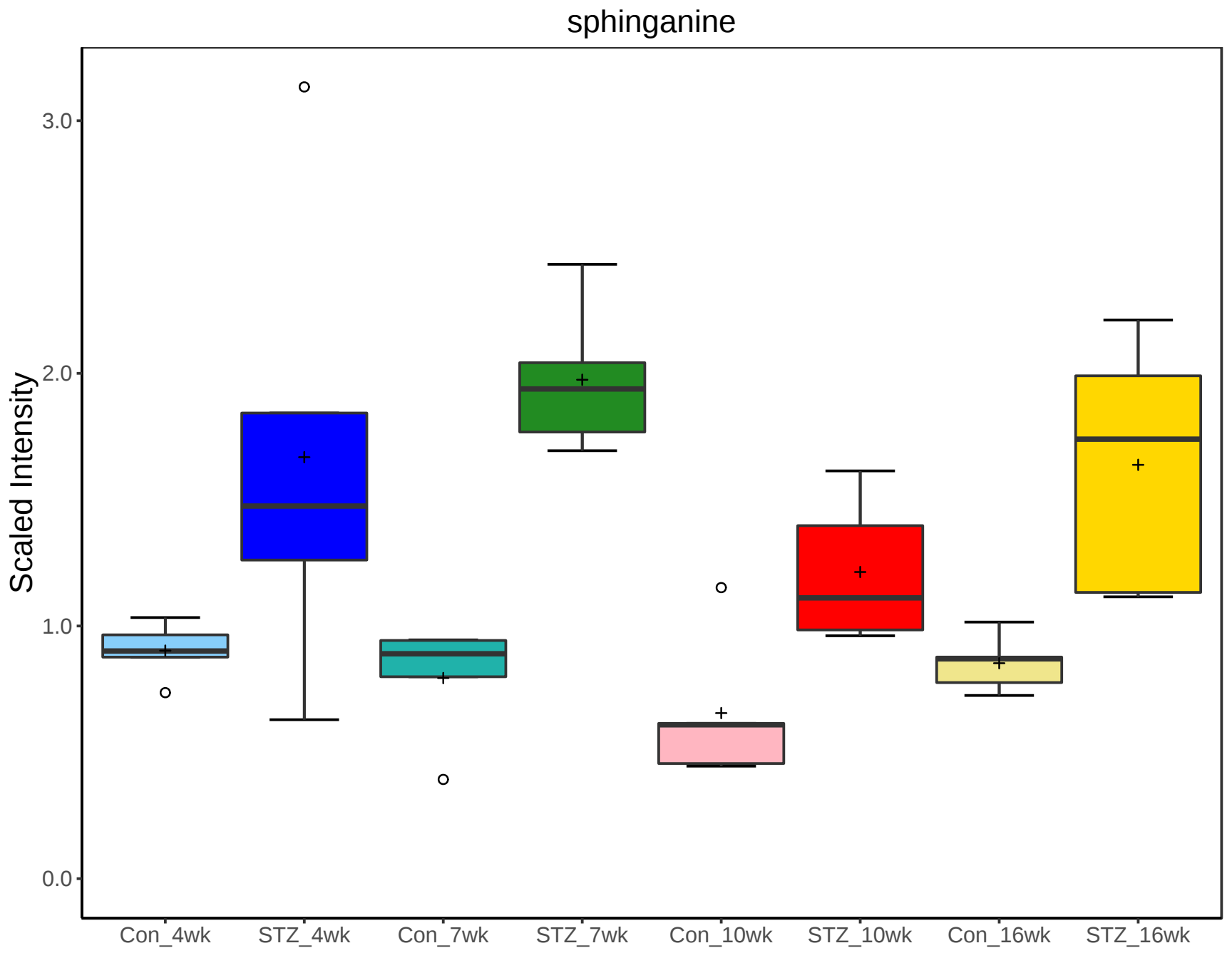

oleoyl-arachidonoyl-glycerol (18:1/20:4) [2]*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

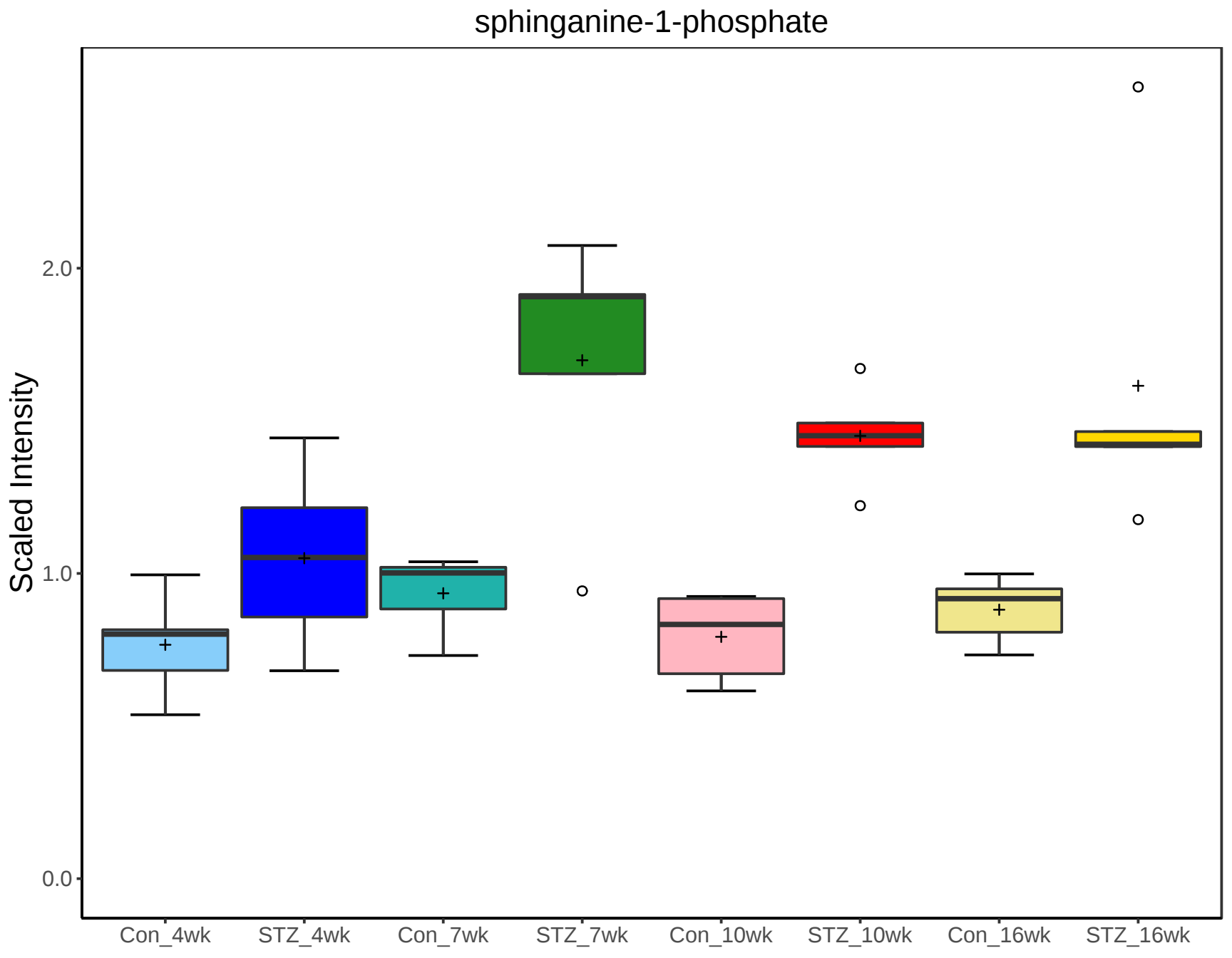

linoleoyl-arachidonoyl-glycerol (18:2/20:4) [1]*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

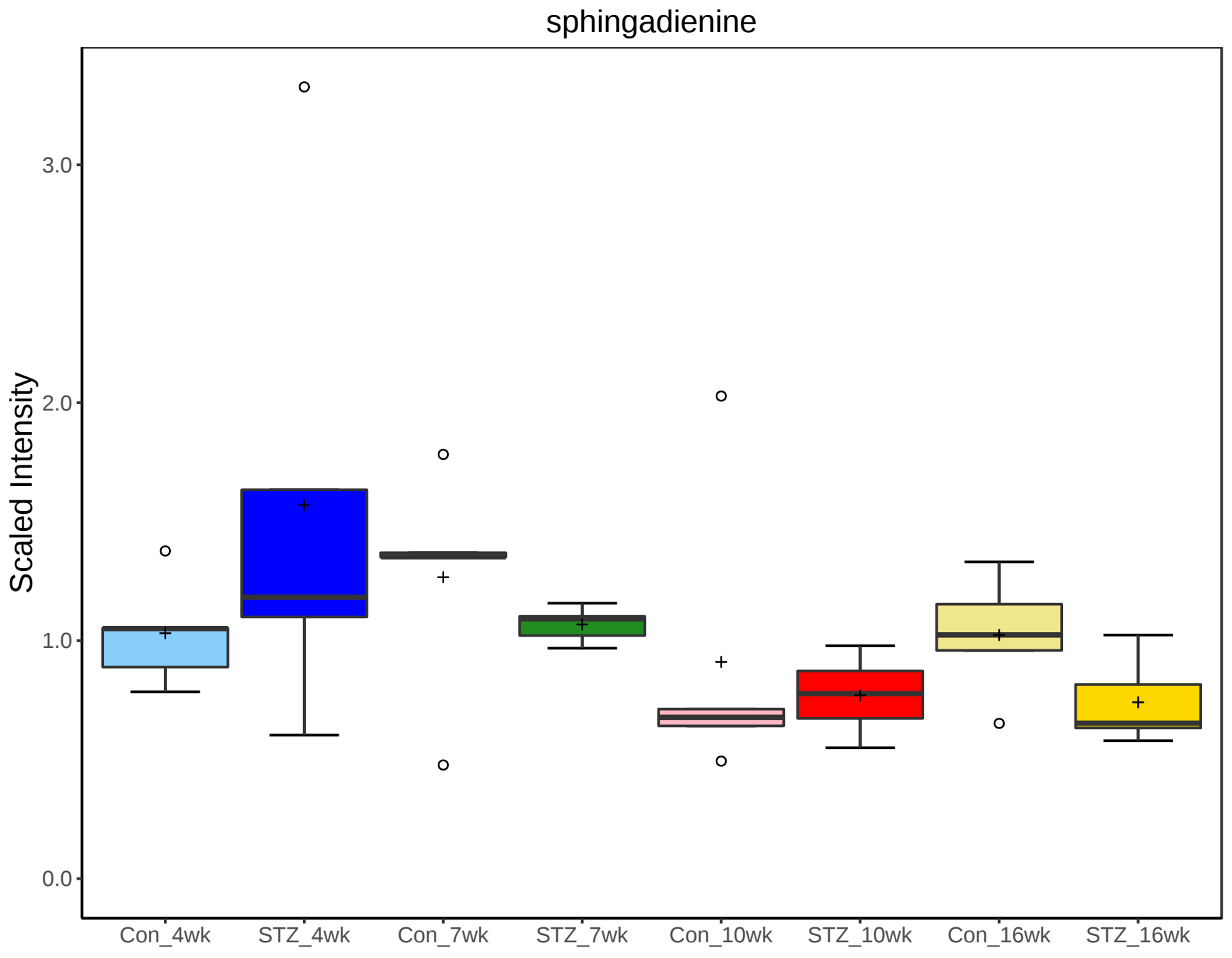

linoleoyl-arachidonoyl-glycerol (18:2/20:4) [2]*
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

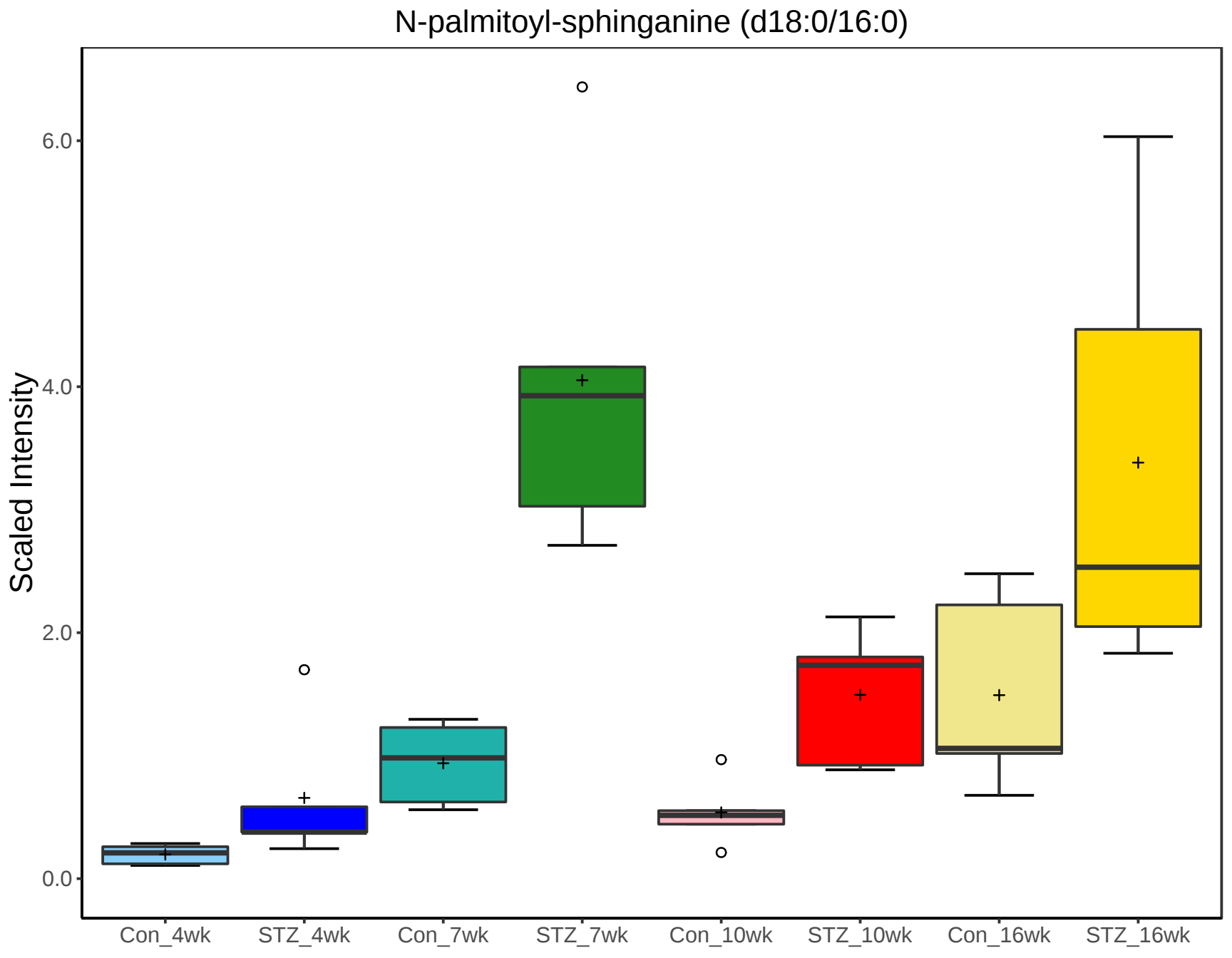

linoleoyl-docosahexaenoyl-glycerol (18:2/22:6) [1]*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

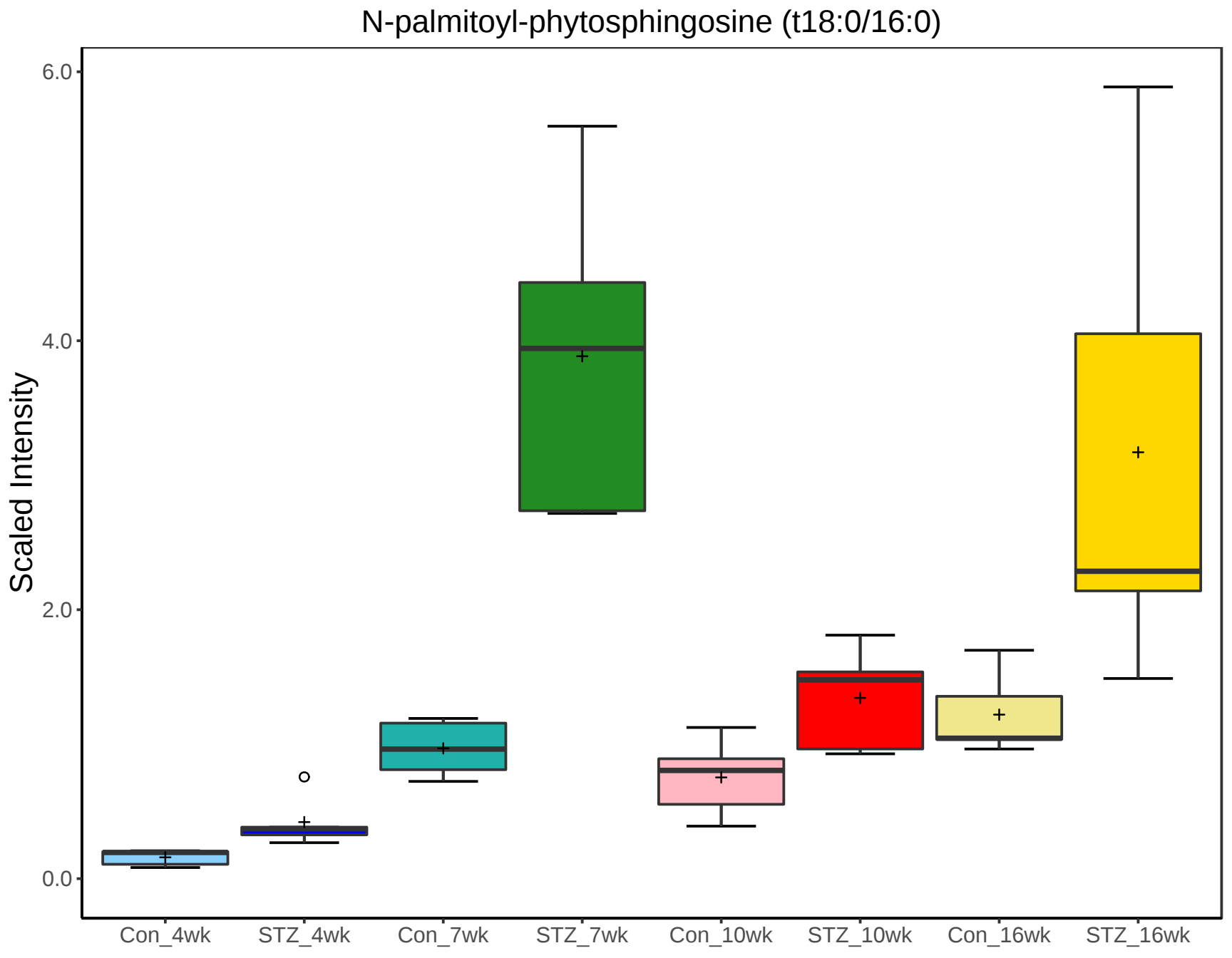

linoleoyl-docosahexaenoyl-glycerol (18:2/22:6) [2]*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

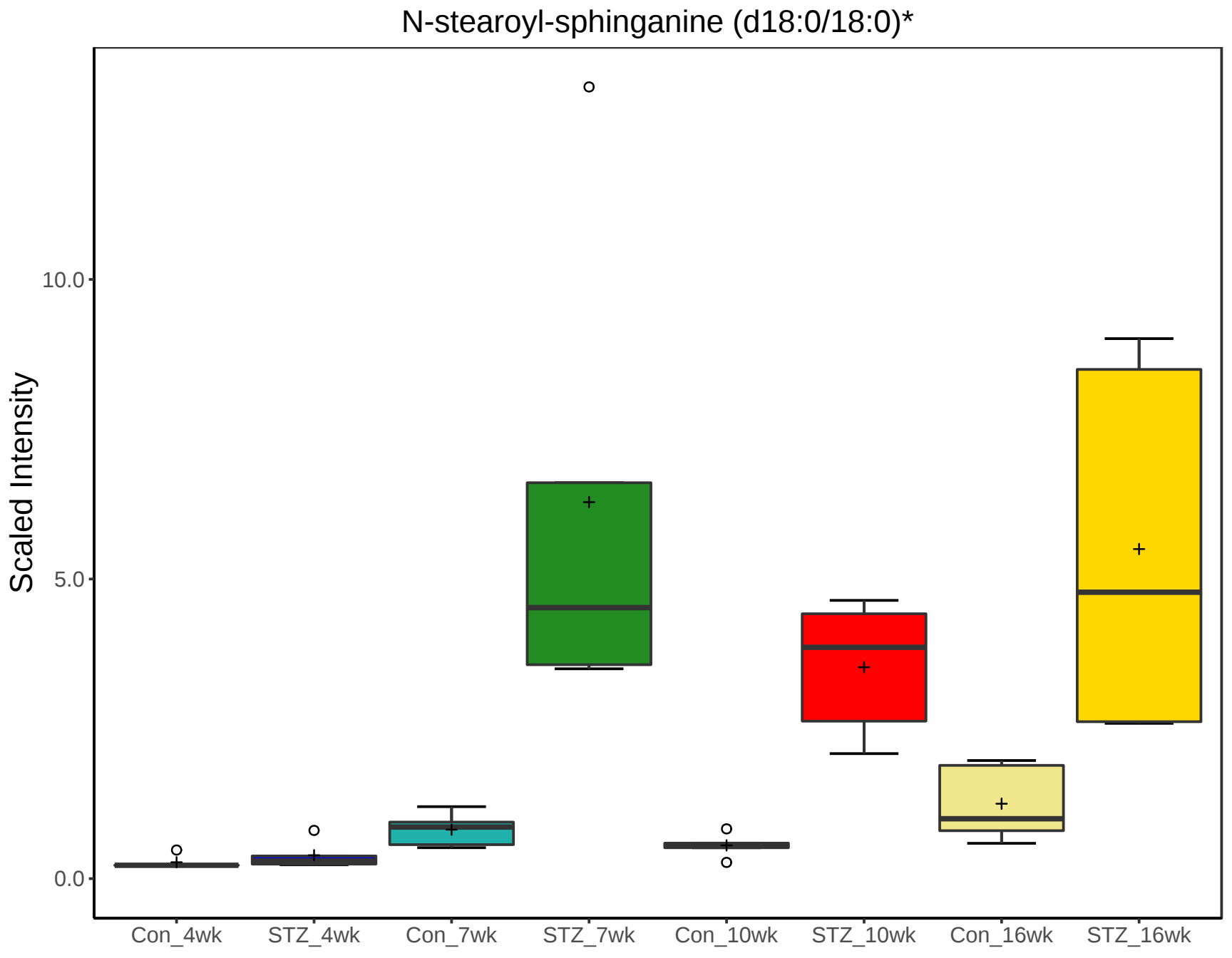

sphinganine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

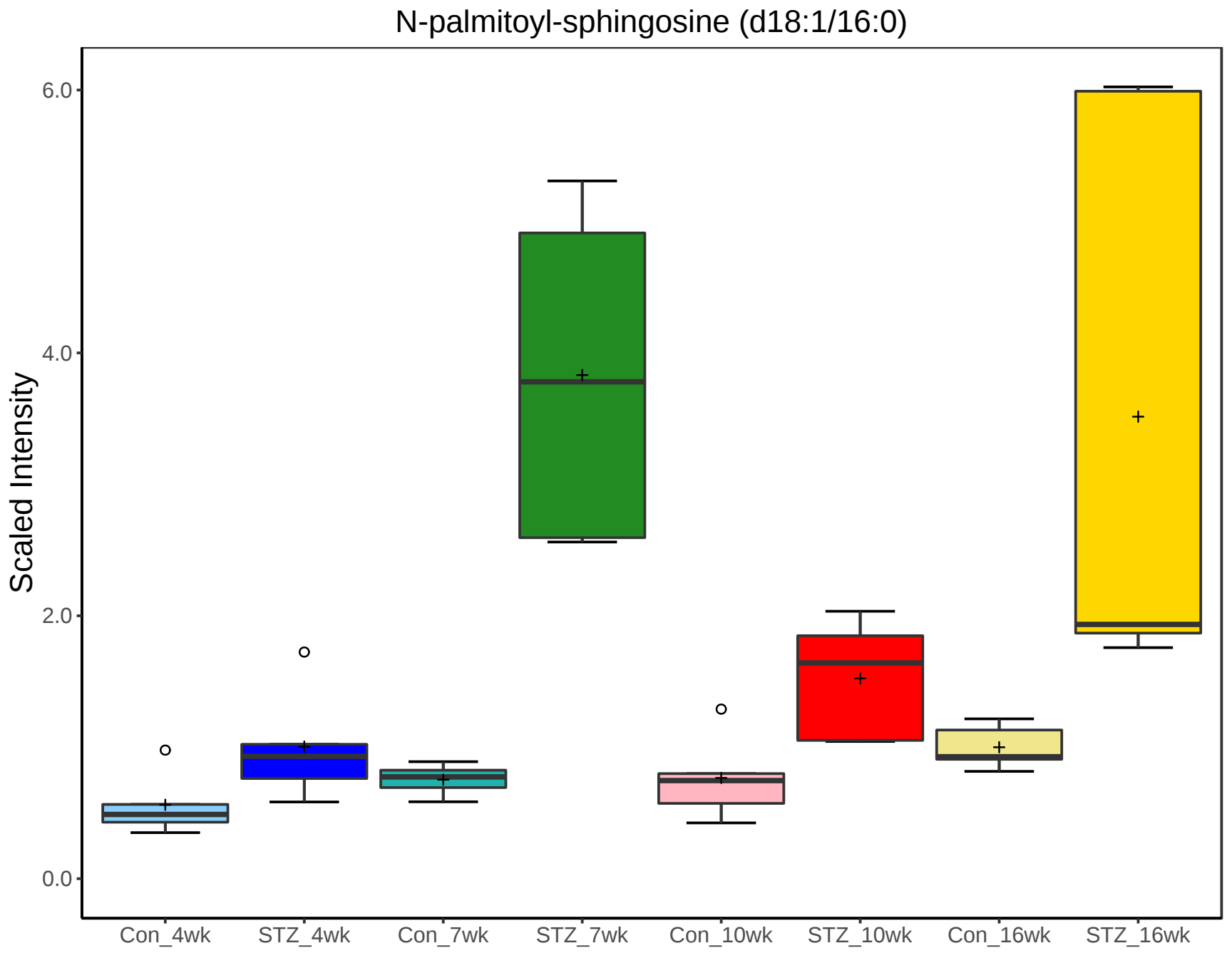

sphinganine-1-phosphate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

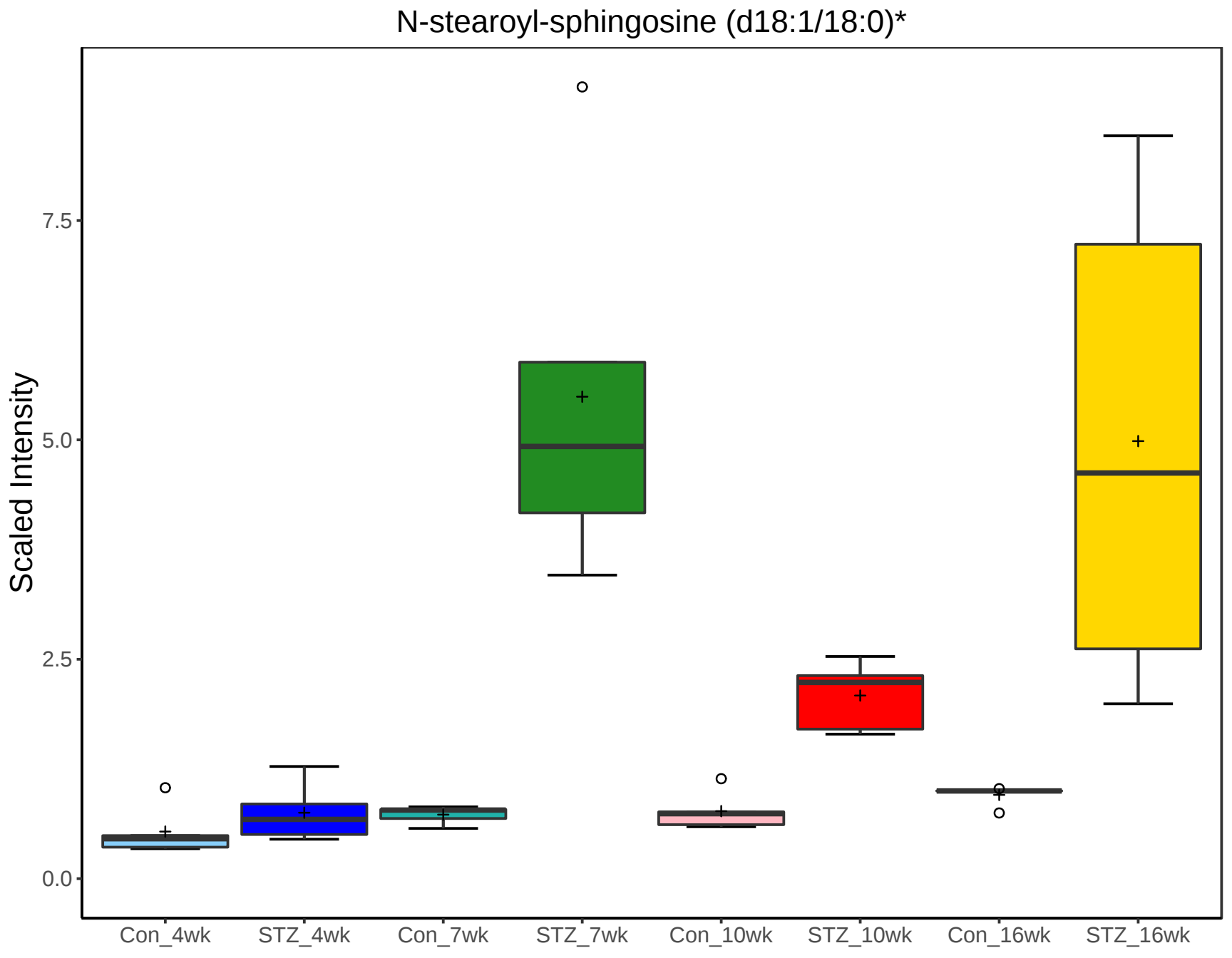

sphingadienine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

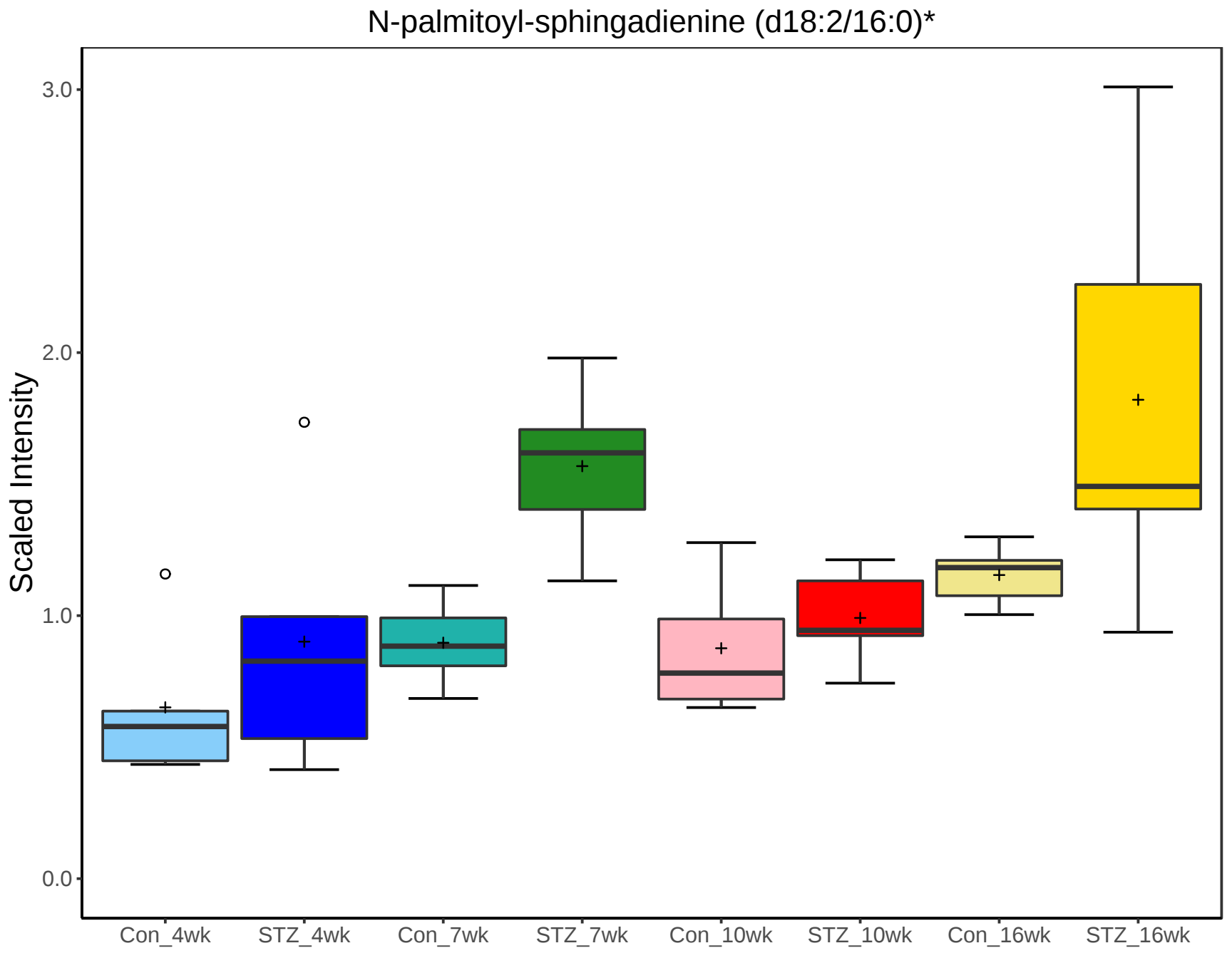

N-palmitoyl-sphinganine (d18:0/16:0)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

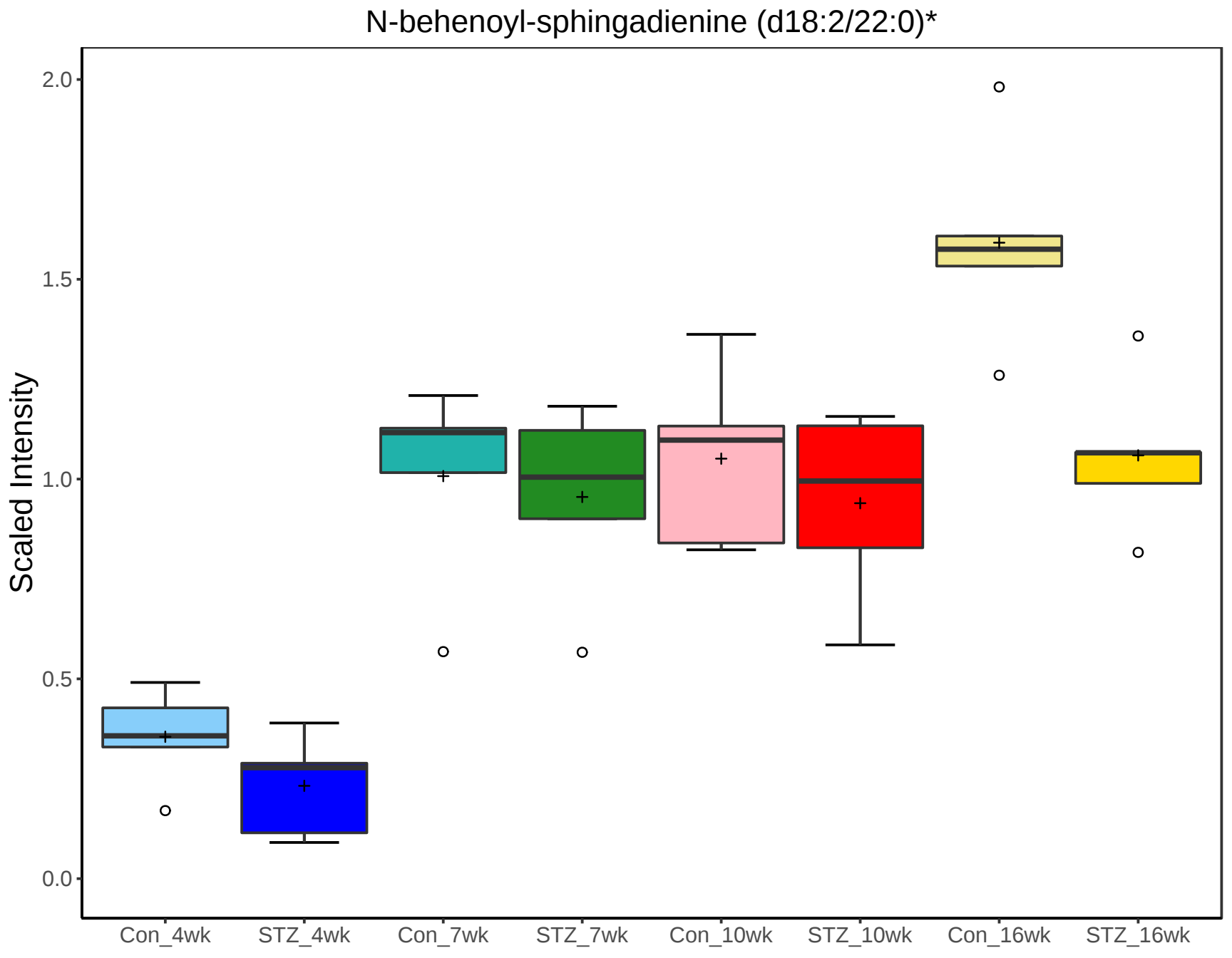

N-palmitoyl-phytosphingosine (t18:0/16:0)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

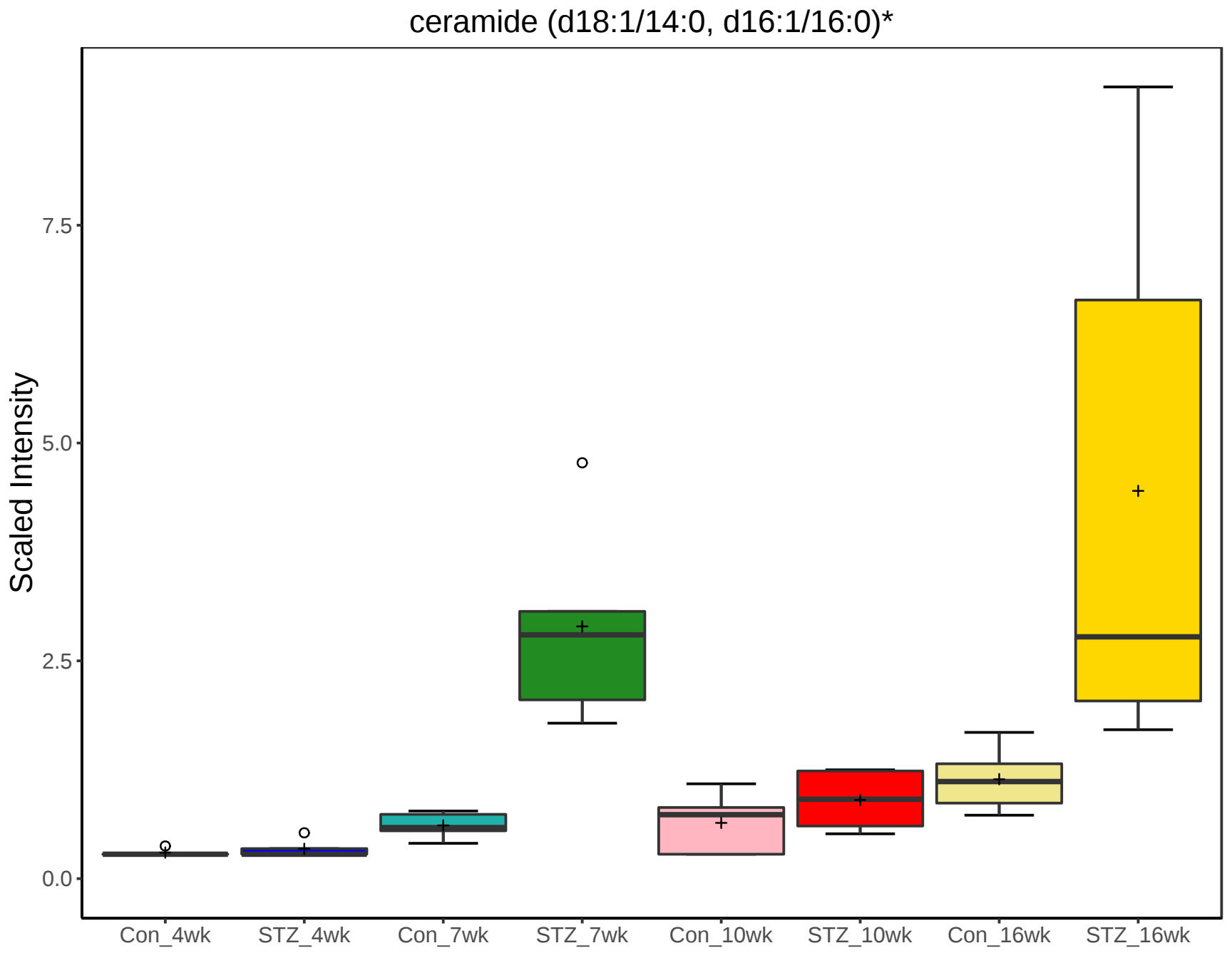

N-stearoyl-sphinganine (d18:0/18:0)*
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

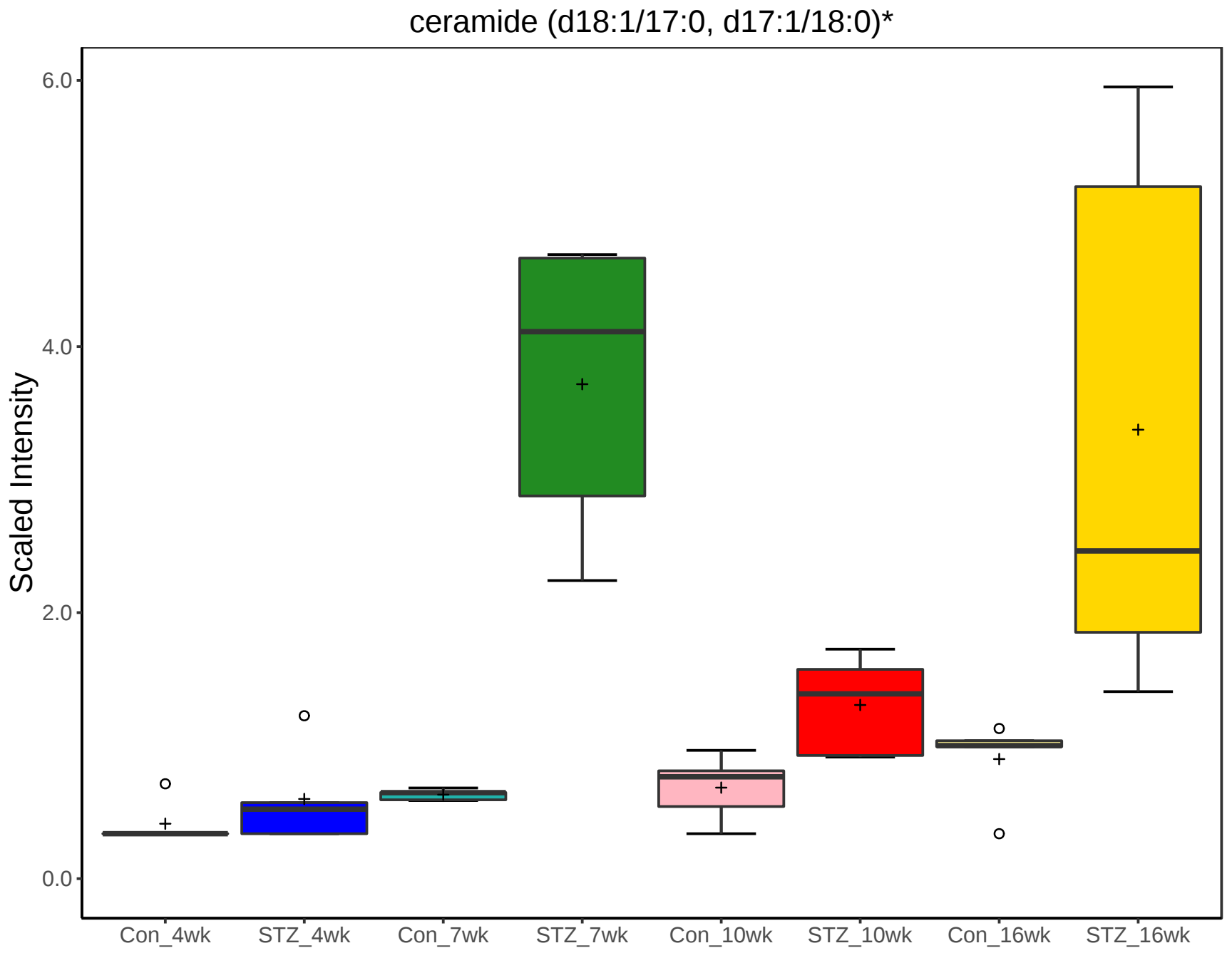

N-palmitoyl-sphingosine (d18:1/16:0)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

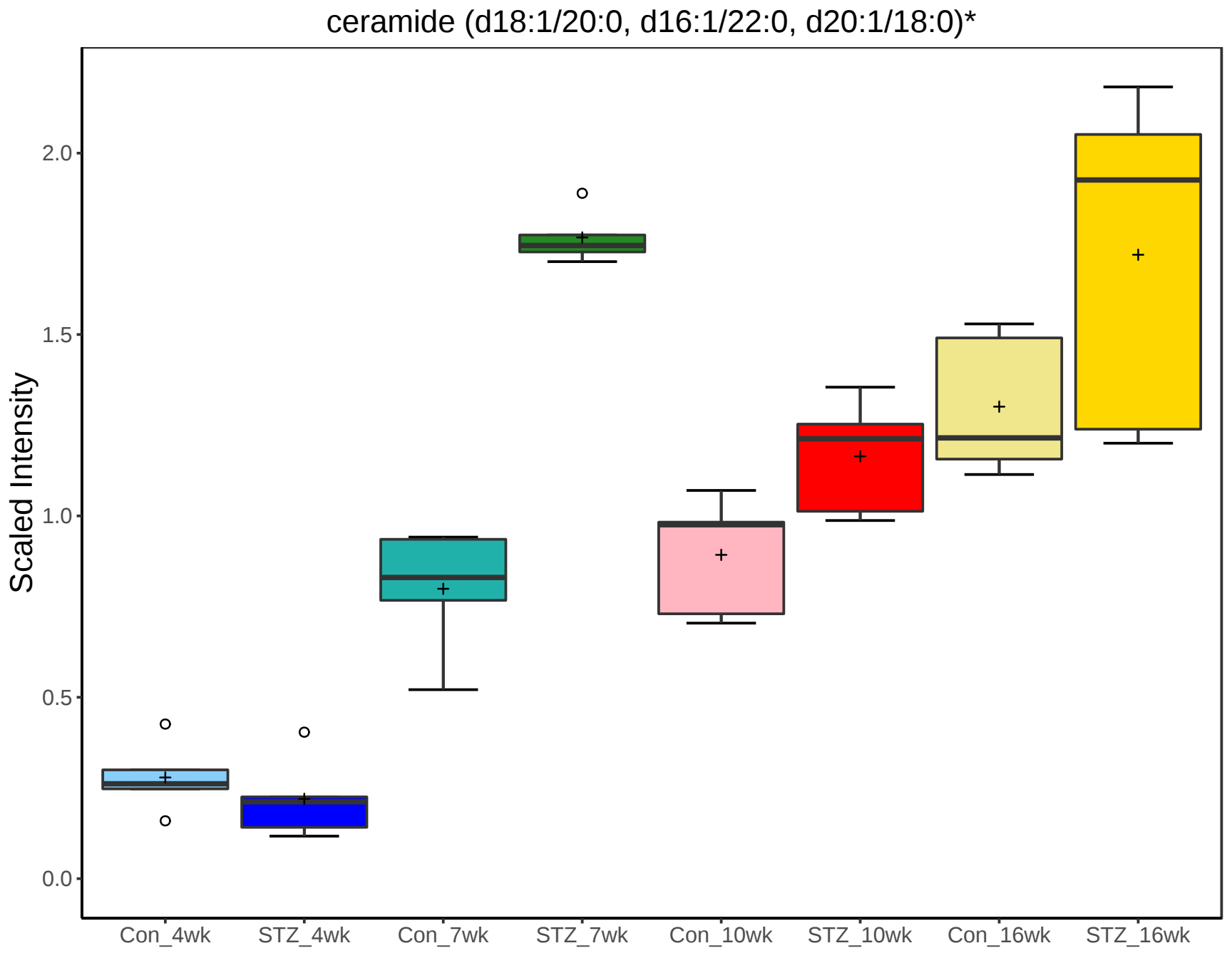

N-stearoyl-sphingosine (d18:1/18:0)*
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

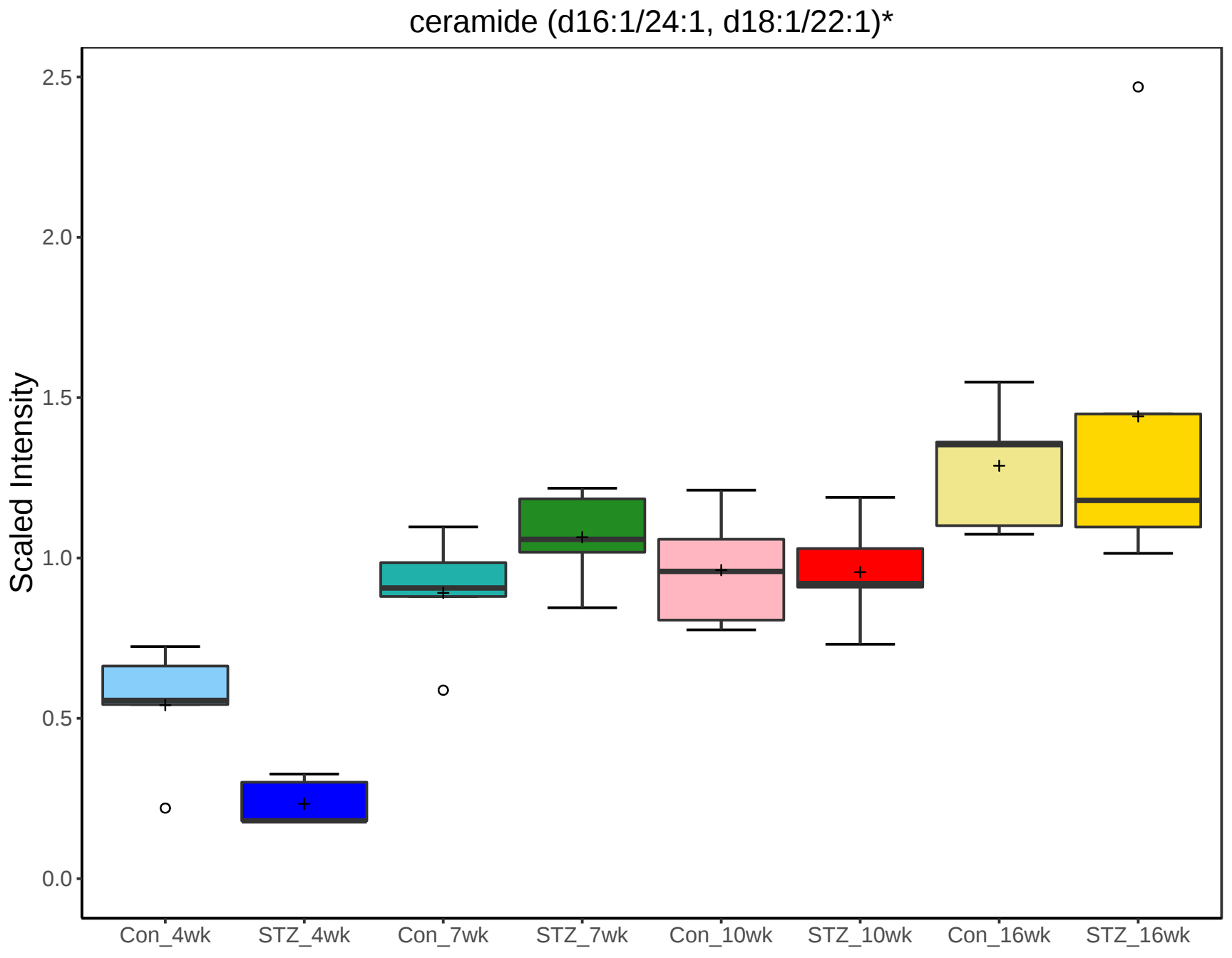

N-palmitoyl-sphingadienine (d18:2/16:0)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

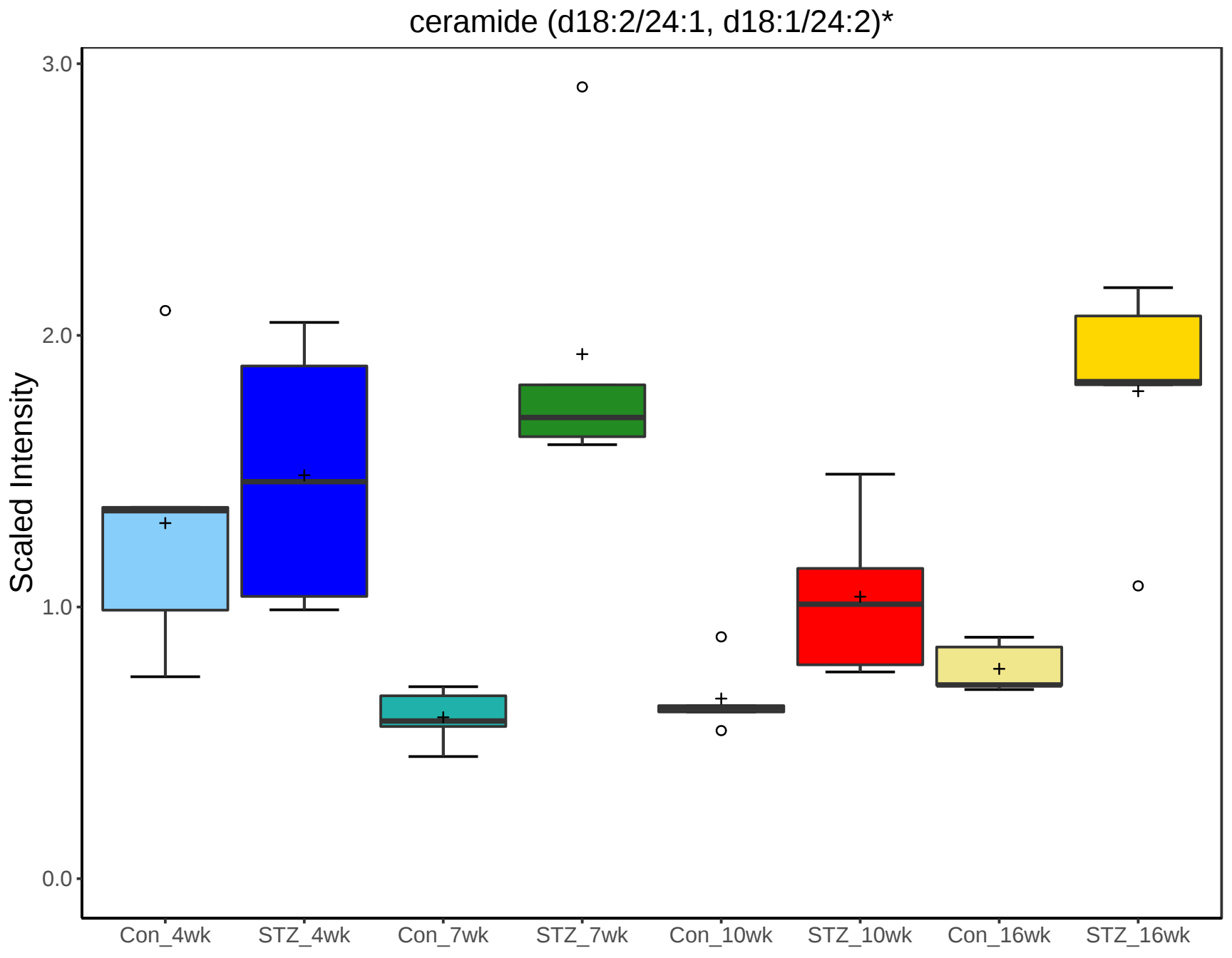

N-behenoyl-sphingadienine (d18:2/22:0)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

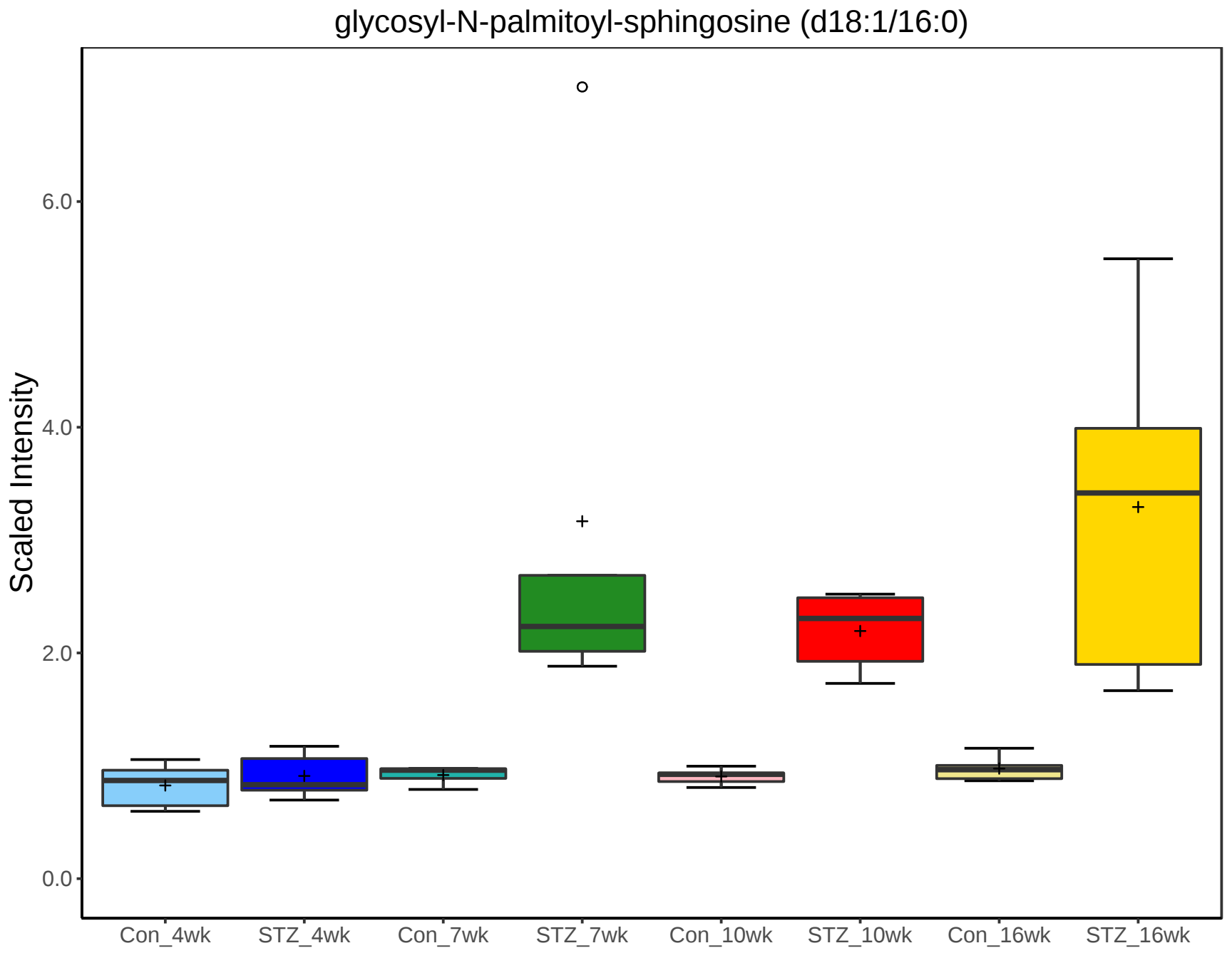

ceramide (d18:1/14:0, d16:1/16:0)*
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

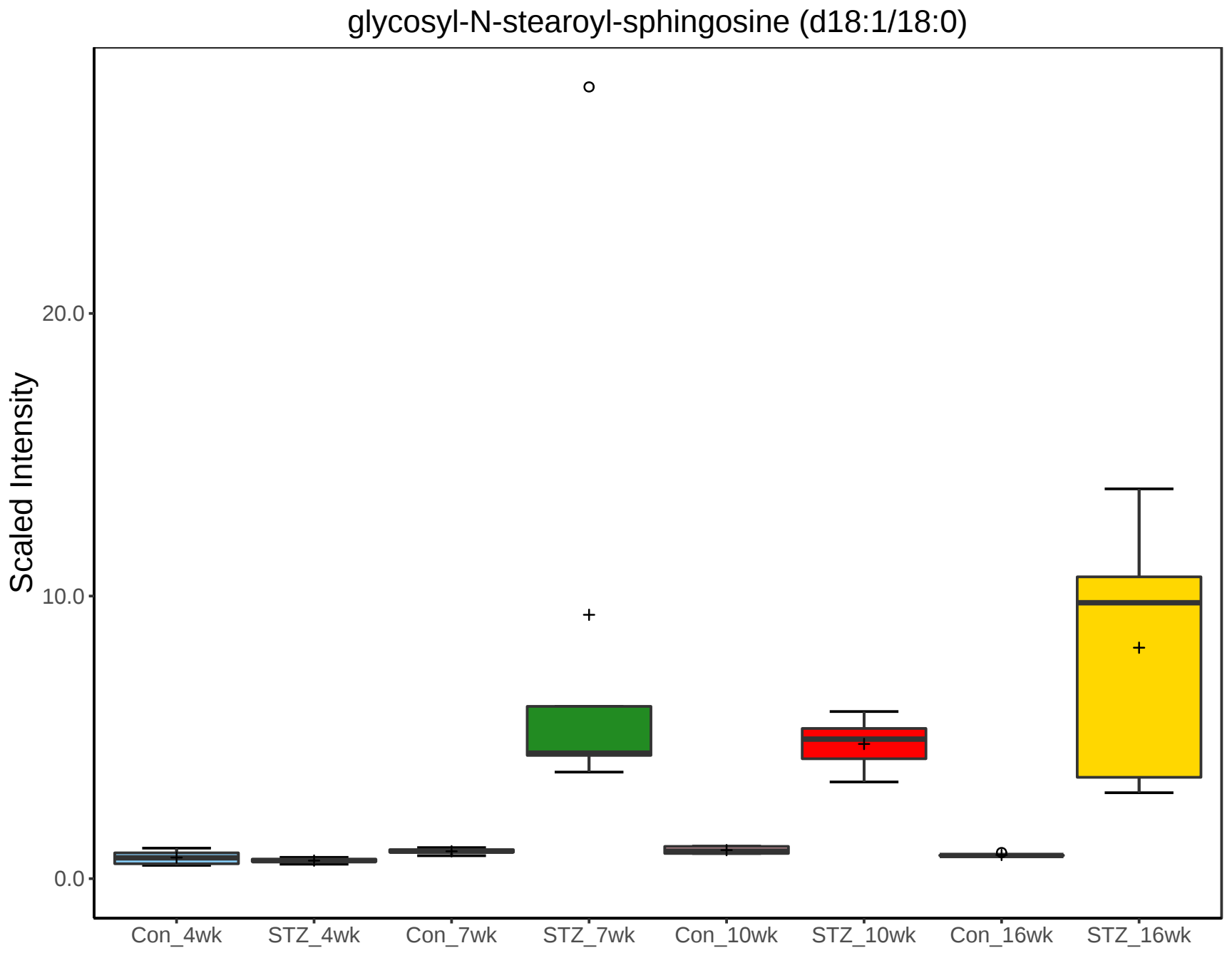

ceramide (d18:1/17:0, d17:1/18:0)*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

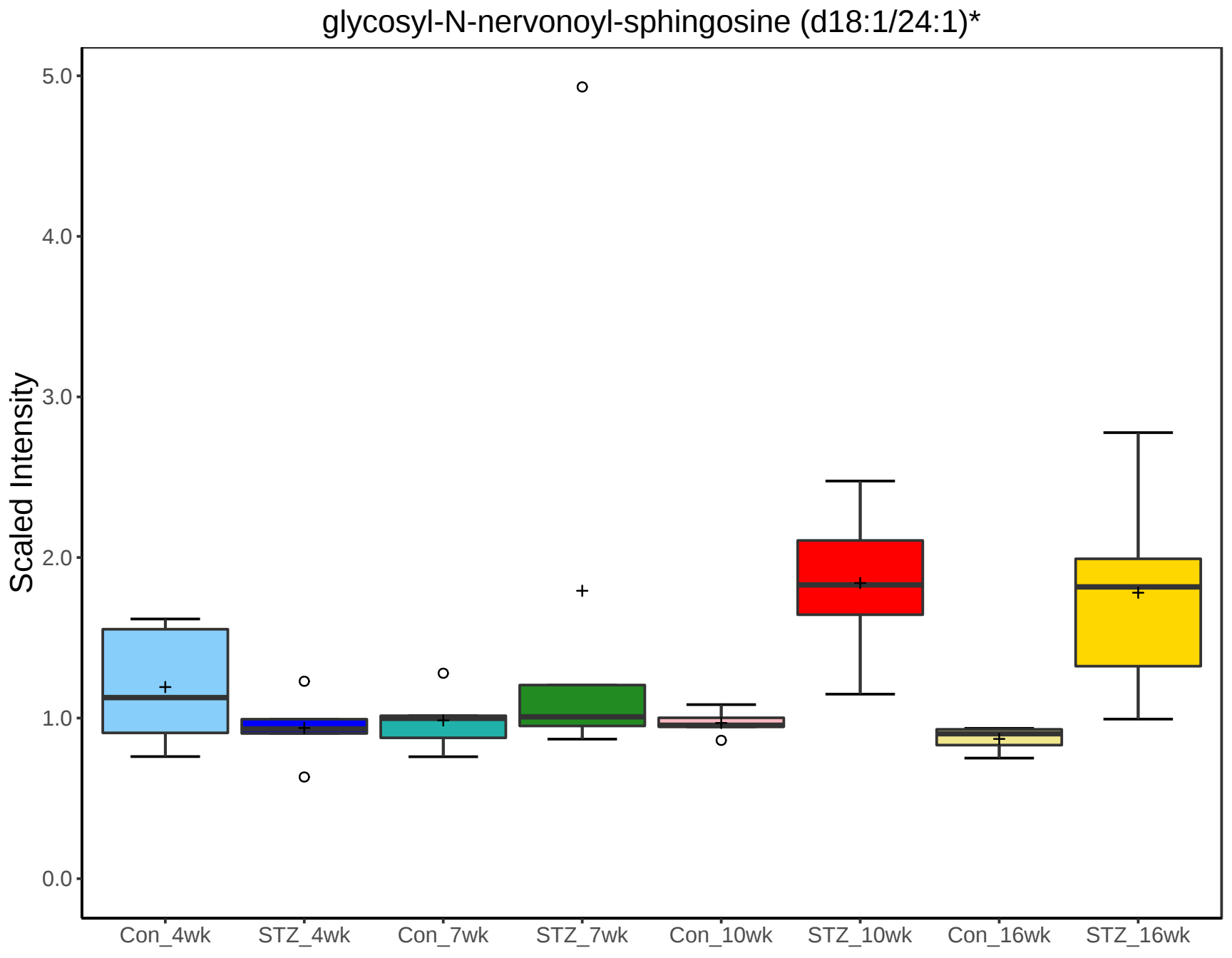

ceramide (d18:1/20:0, d16:1/22:0, d20:1/18:0)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

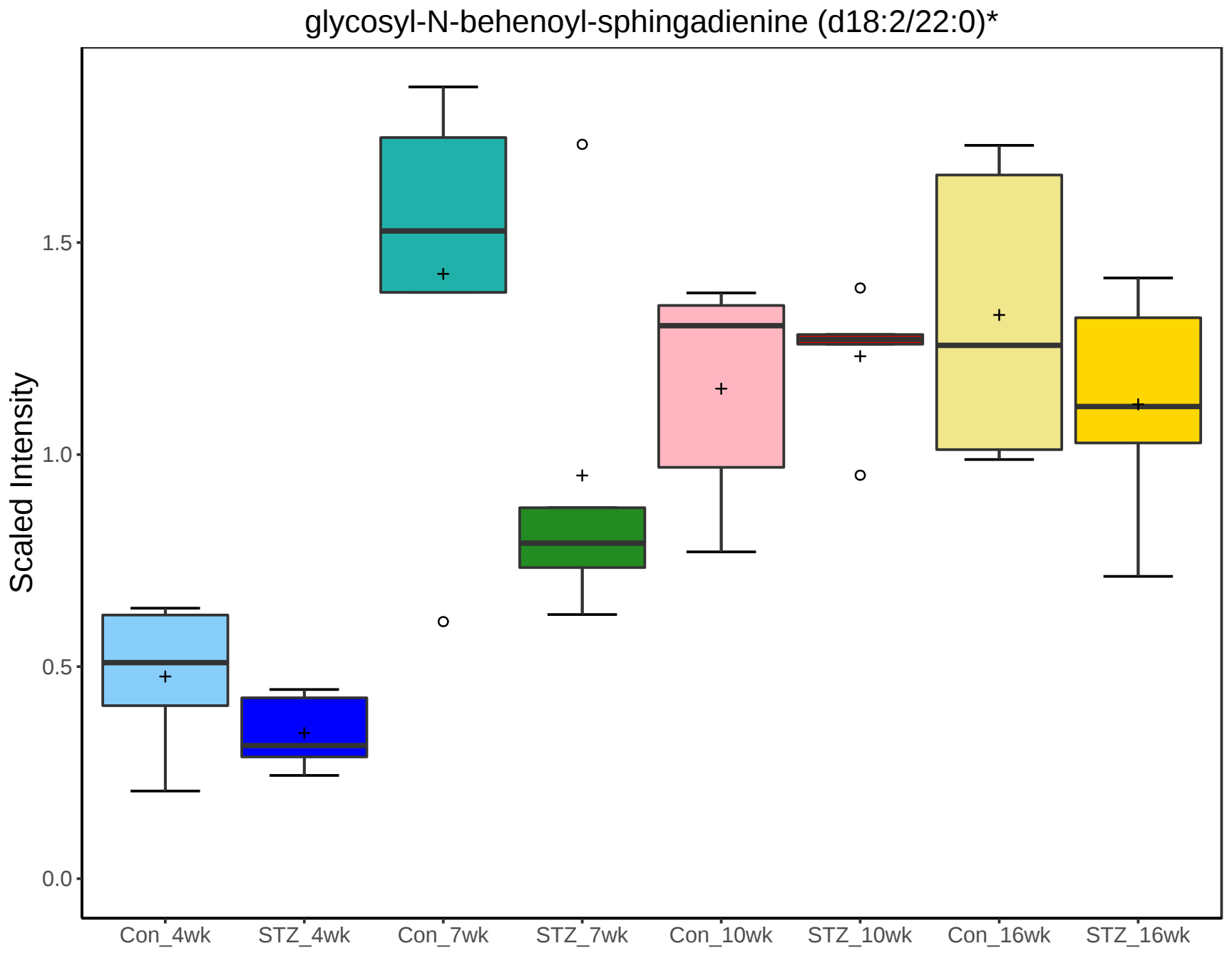

ceramide (d16:1/24:1, d18:1/22:1)*
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

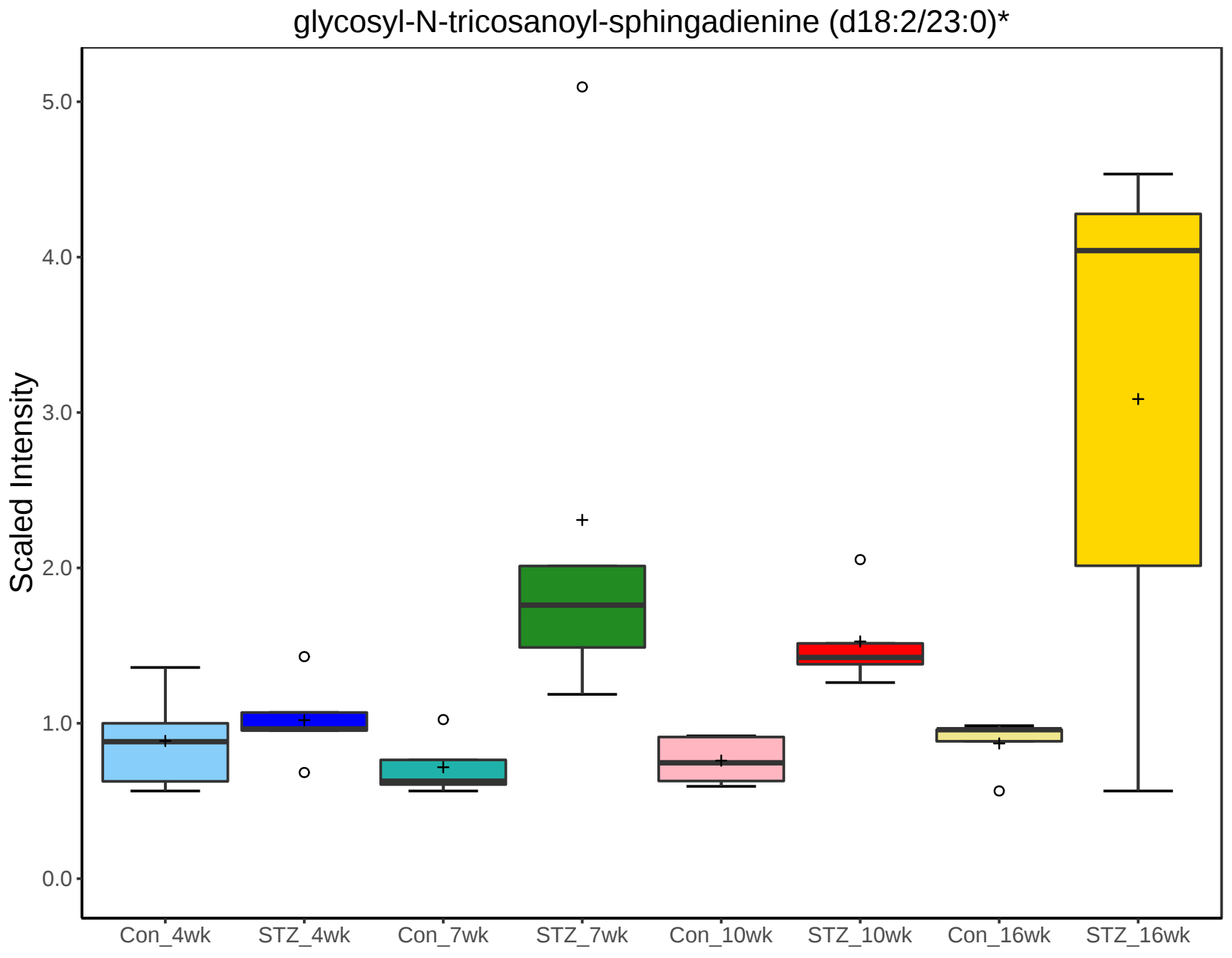

ceramide (d18:2/24:1, d18:1/24:2)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

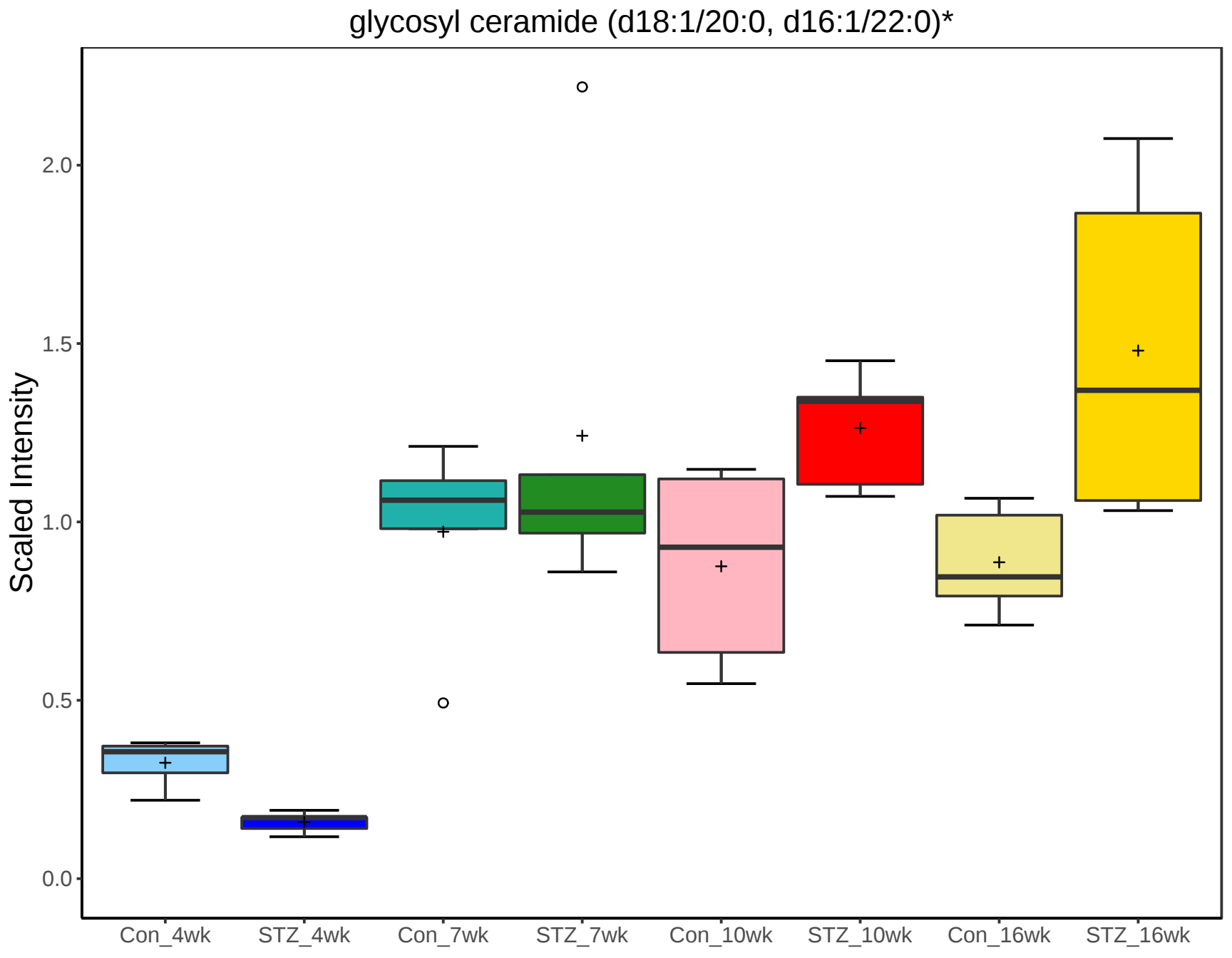

glycosyl-N-palmitoyl-sphingosine (d18:1/16:0)
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

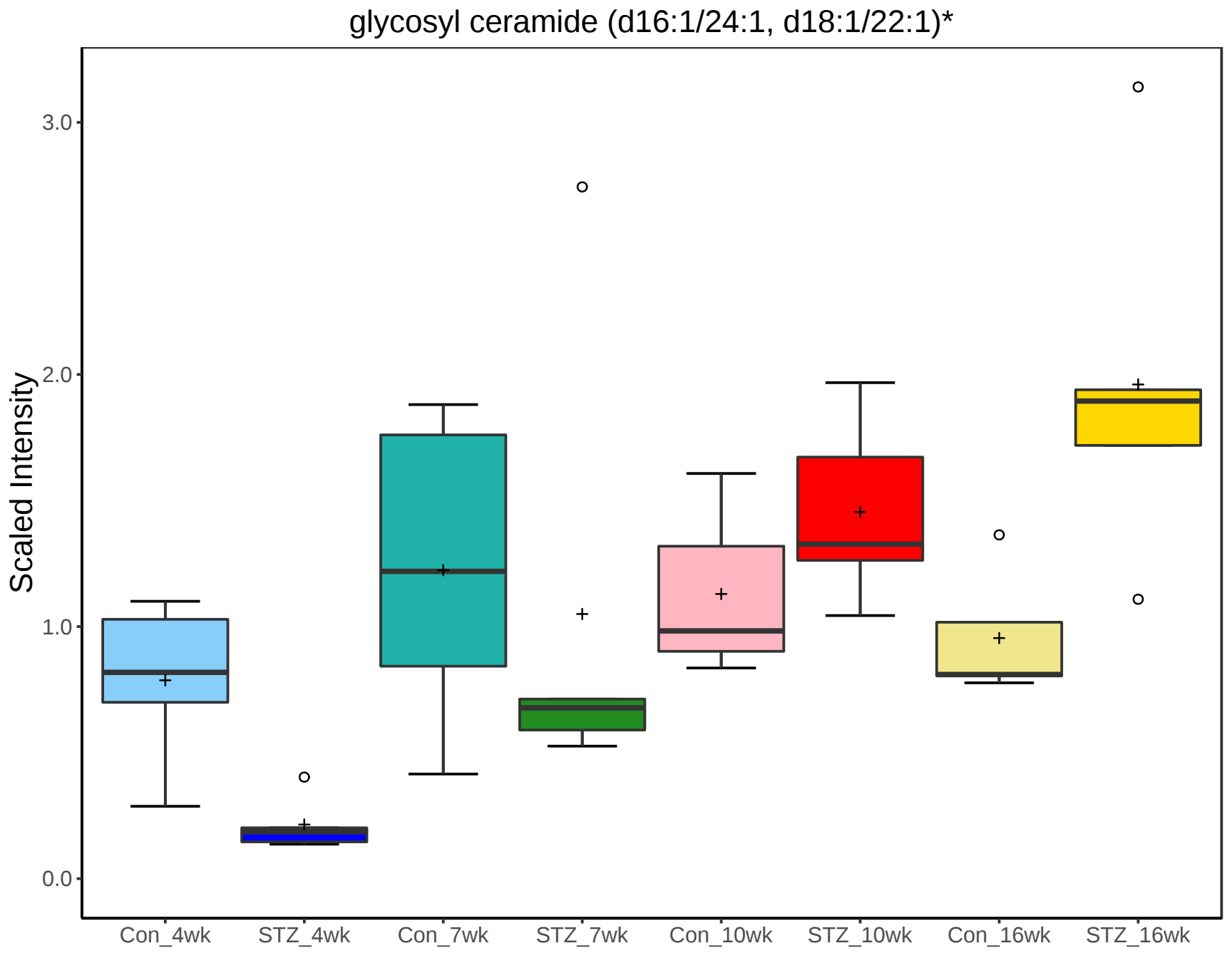

glycosyl-N-stearoyl-sphingosine (d18:1/18:0)
Scaled Intensity
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

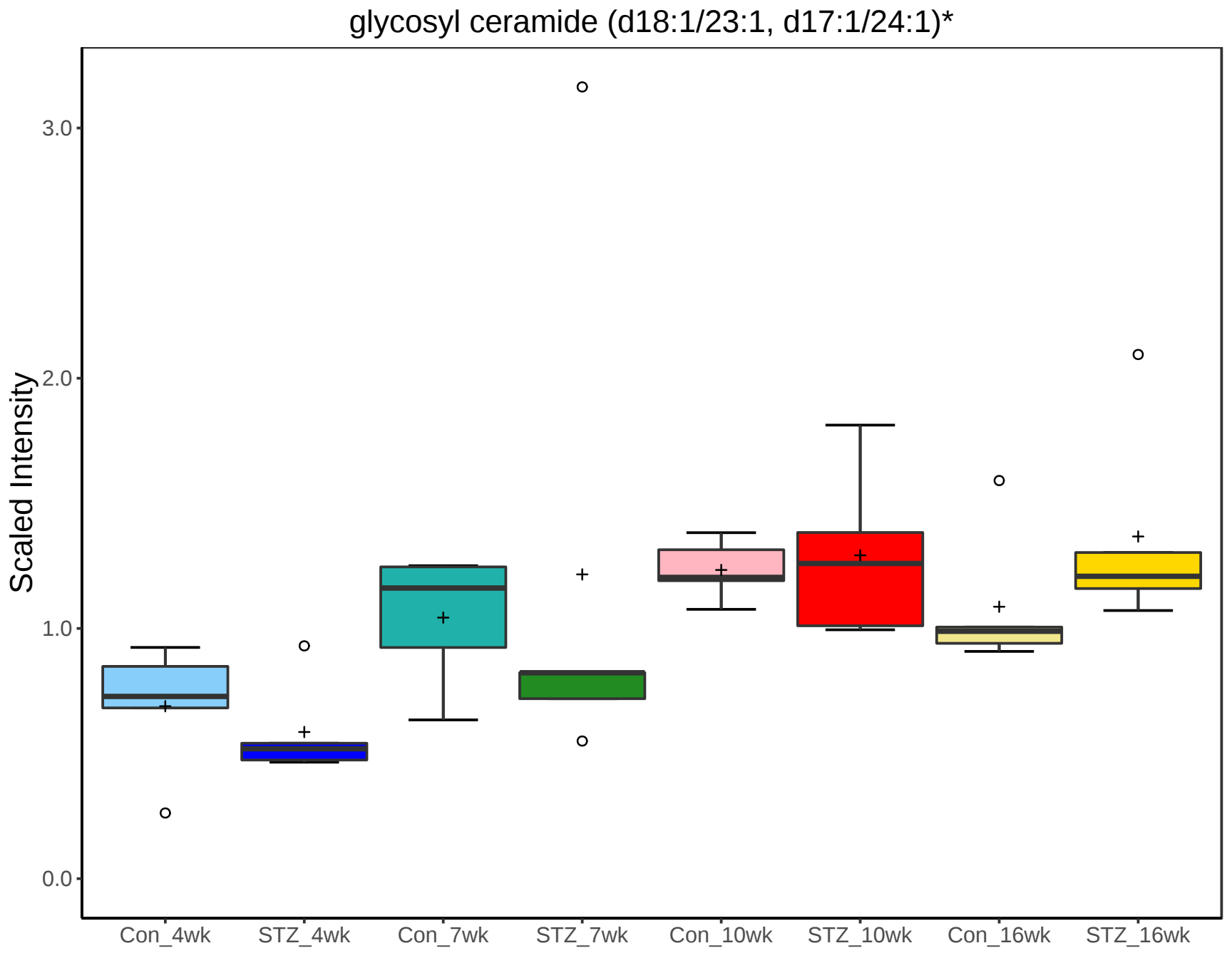

glycosyl-N-nervonoyl-sphingosine (d18:1/24:1)*
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

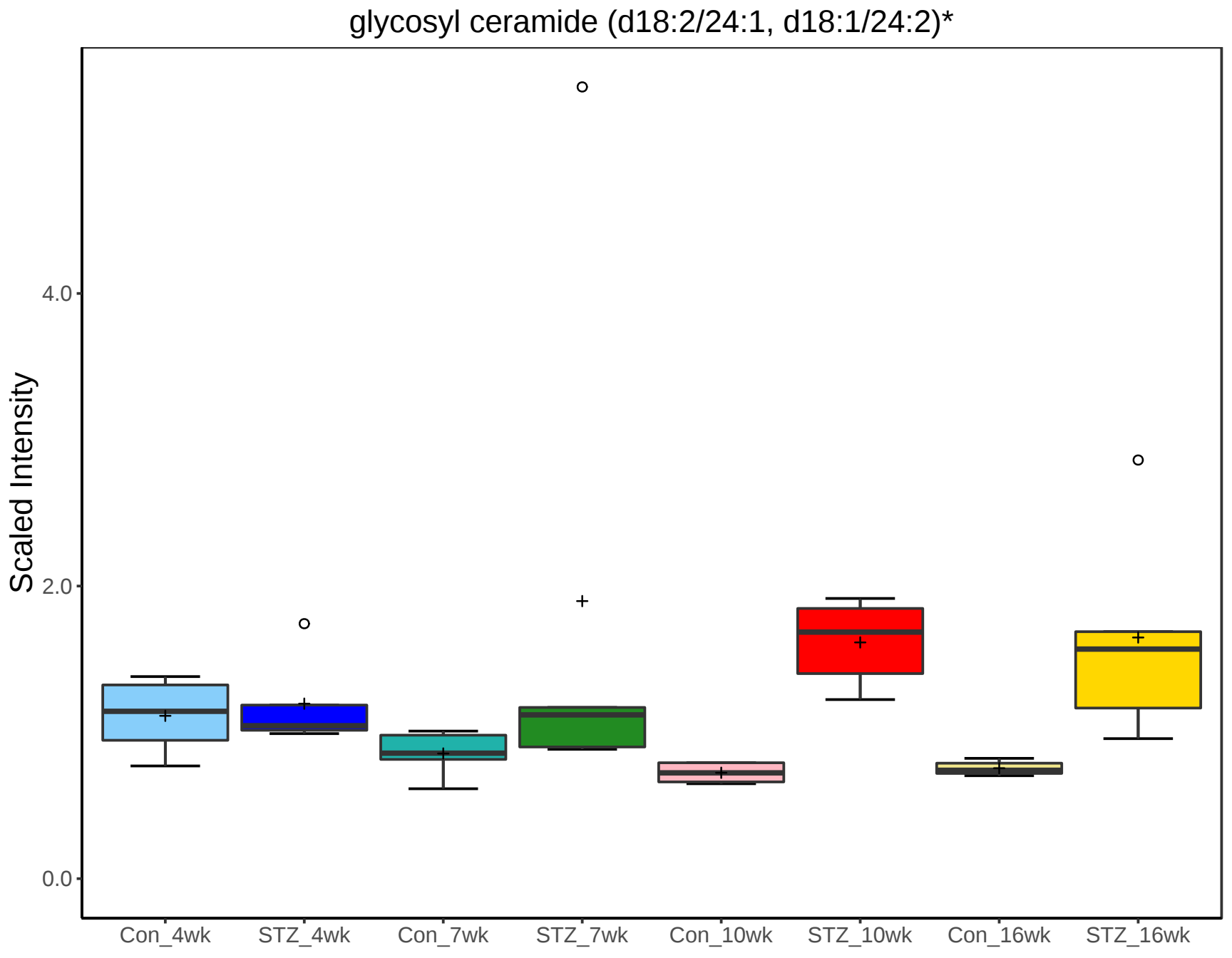

glycosyl-N-behenoyl-sphingadienine (d18:2/22:0)*
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

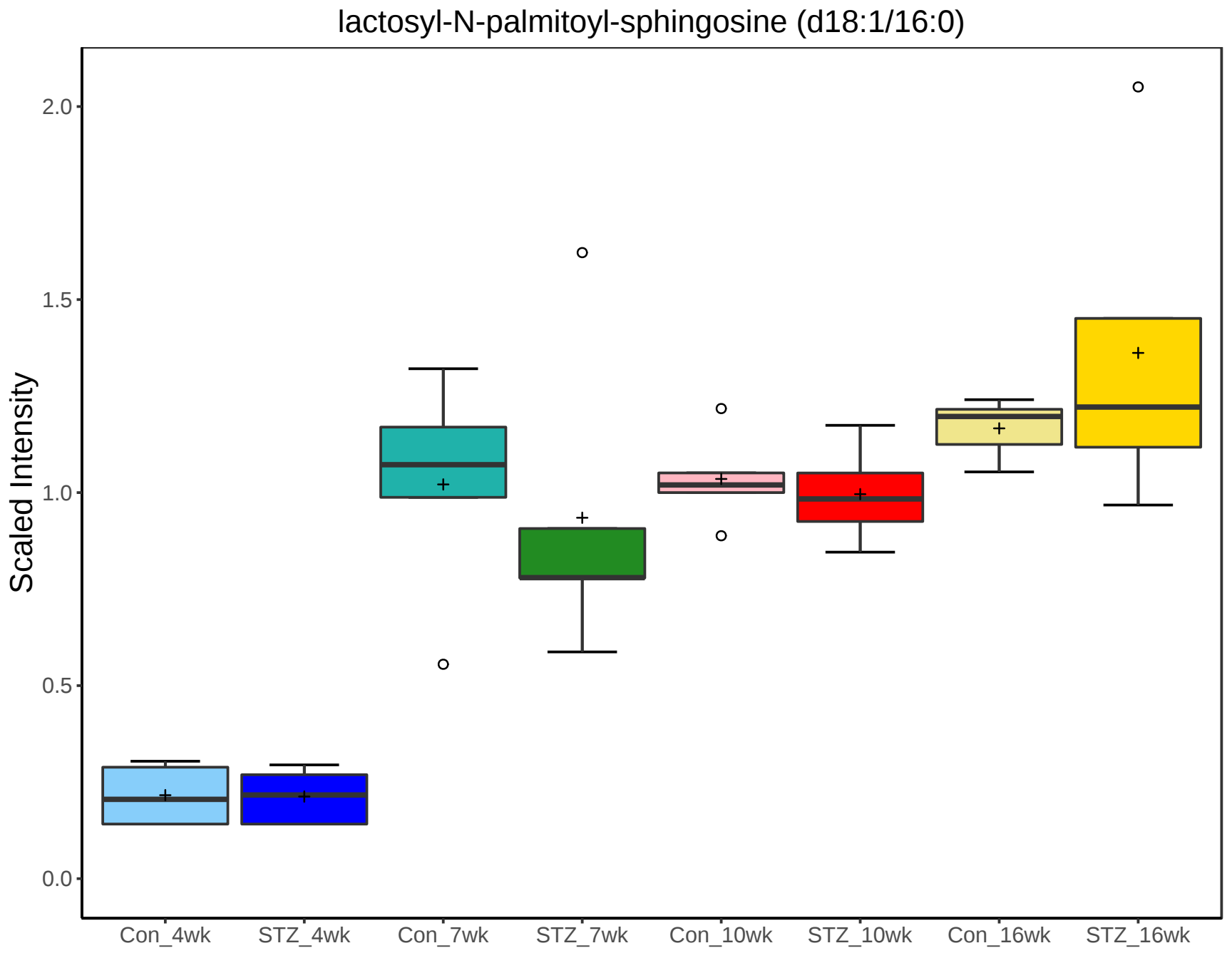

glycosyl-N-tricosanoyl-sphingadienine (d18:2/23:0)*
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

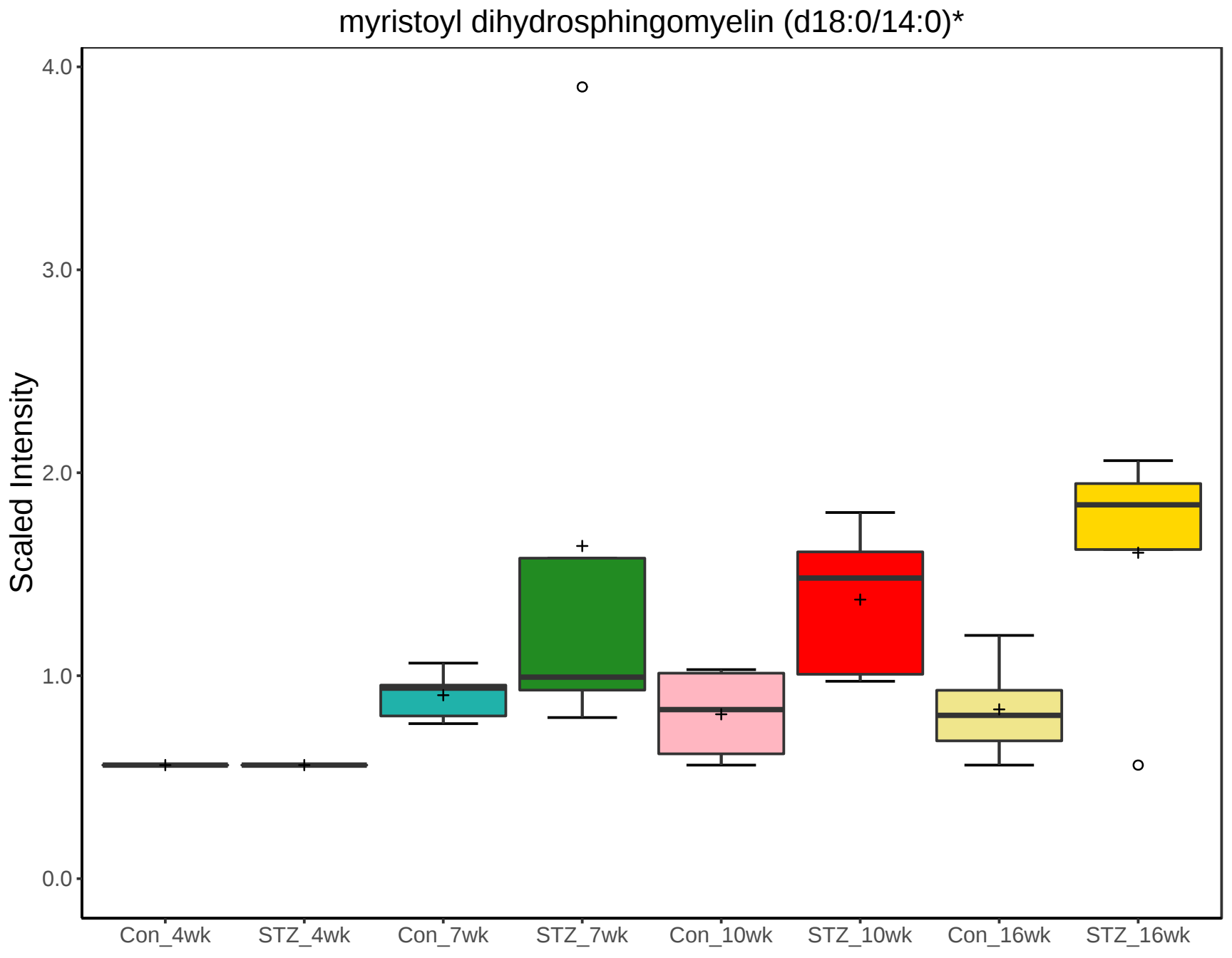

glycosyl ceramide (d18:1/20:0, d16:1/22:0)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

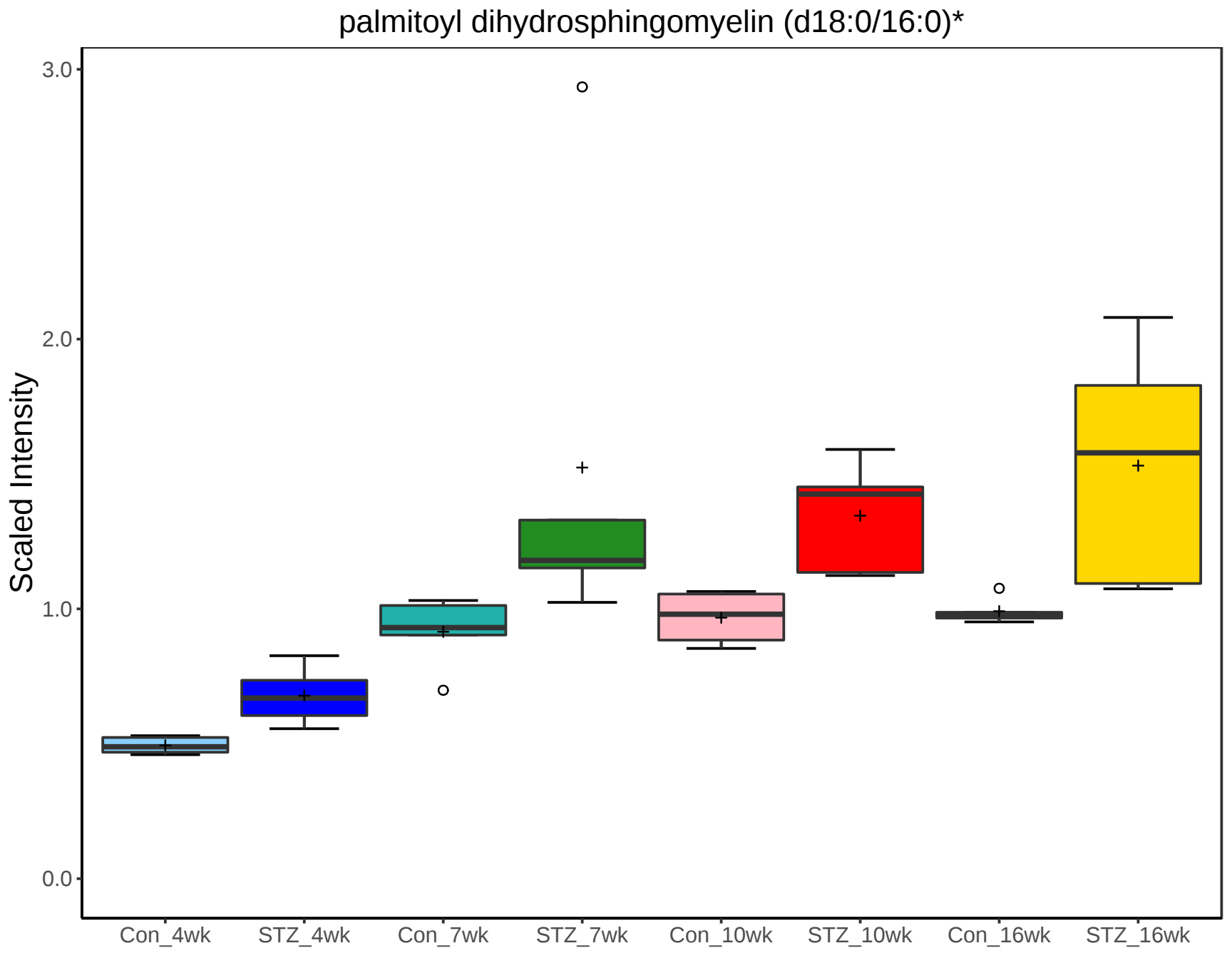

glycosyl ceramide (d16:1/24:1, d18:1/22:1)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

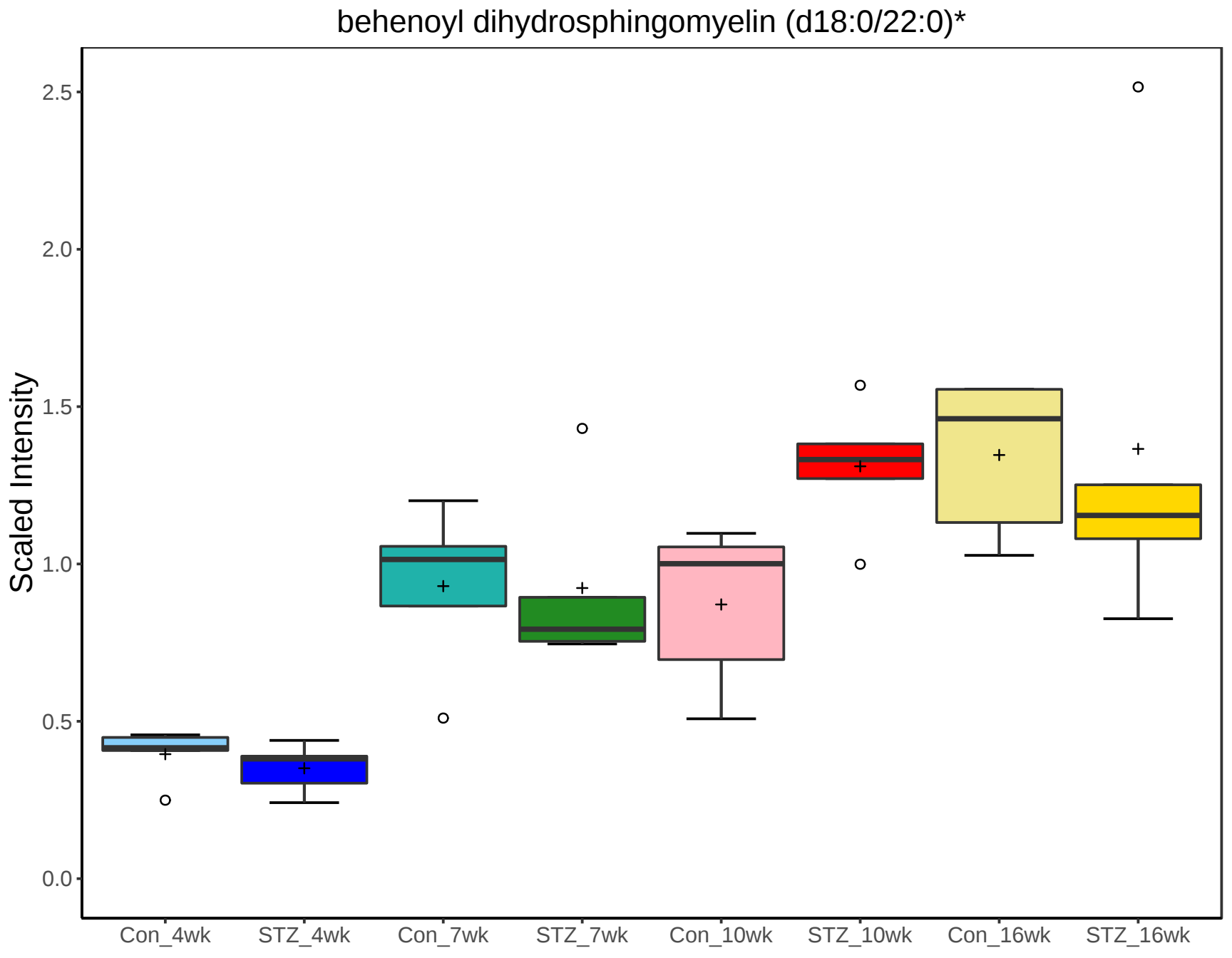

glycosyl ceramide (d18:1/23:1, d17:1/24:1)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

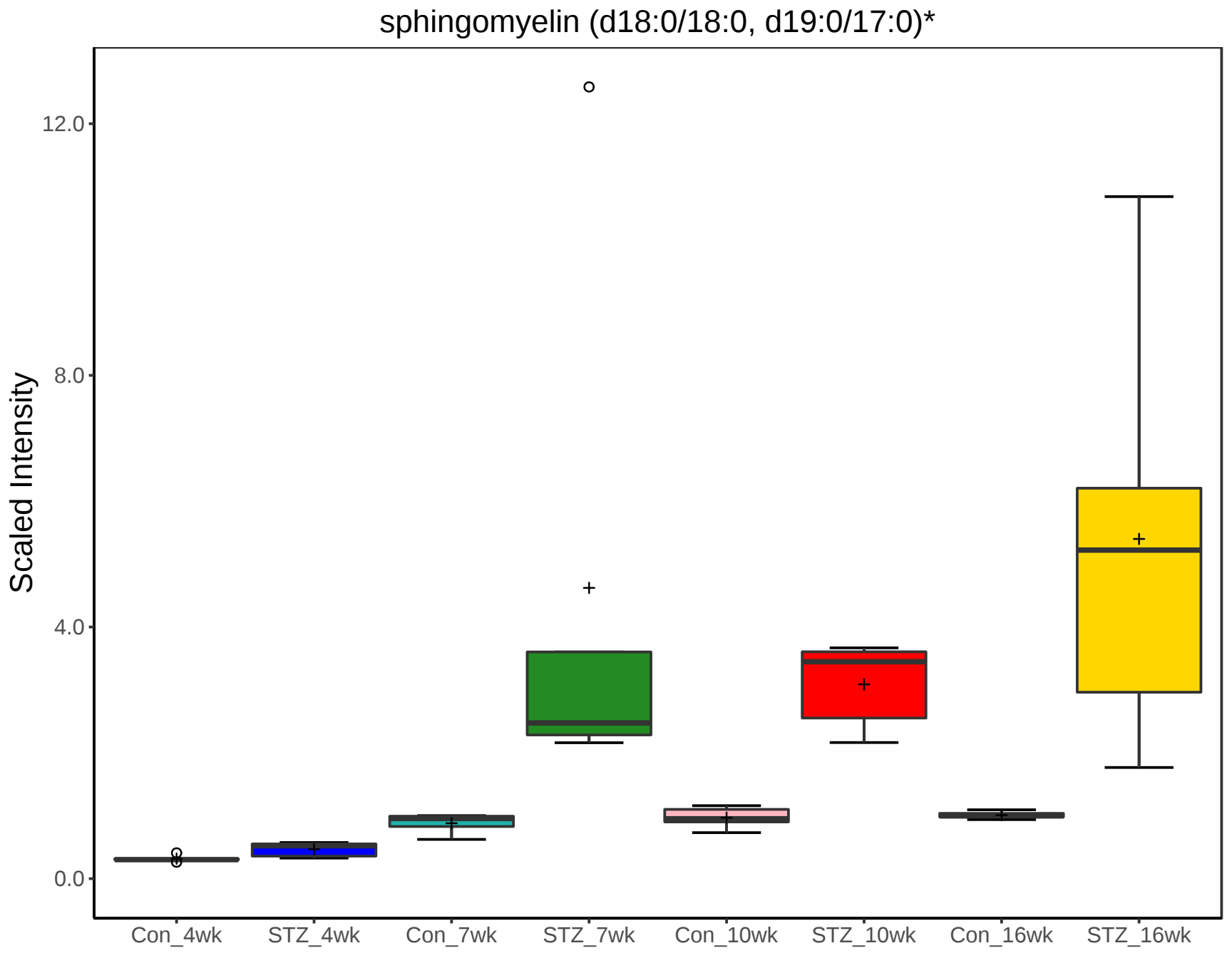

glycosyl ceramide (d18:2/24:1, d18:1/24:2)*
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

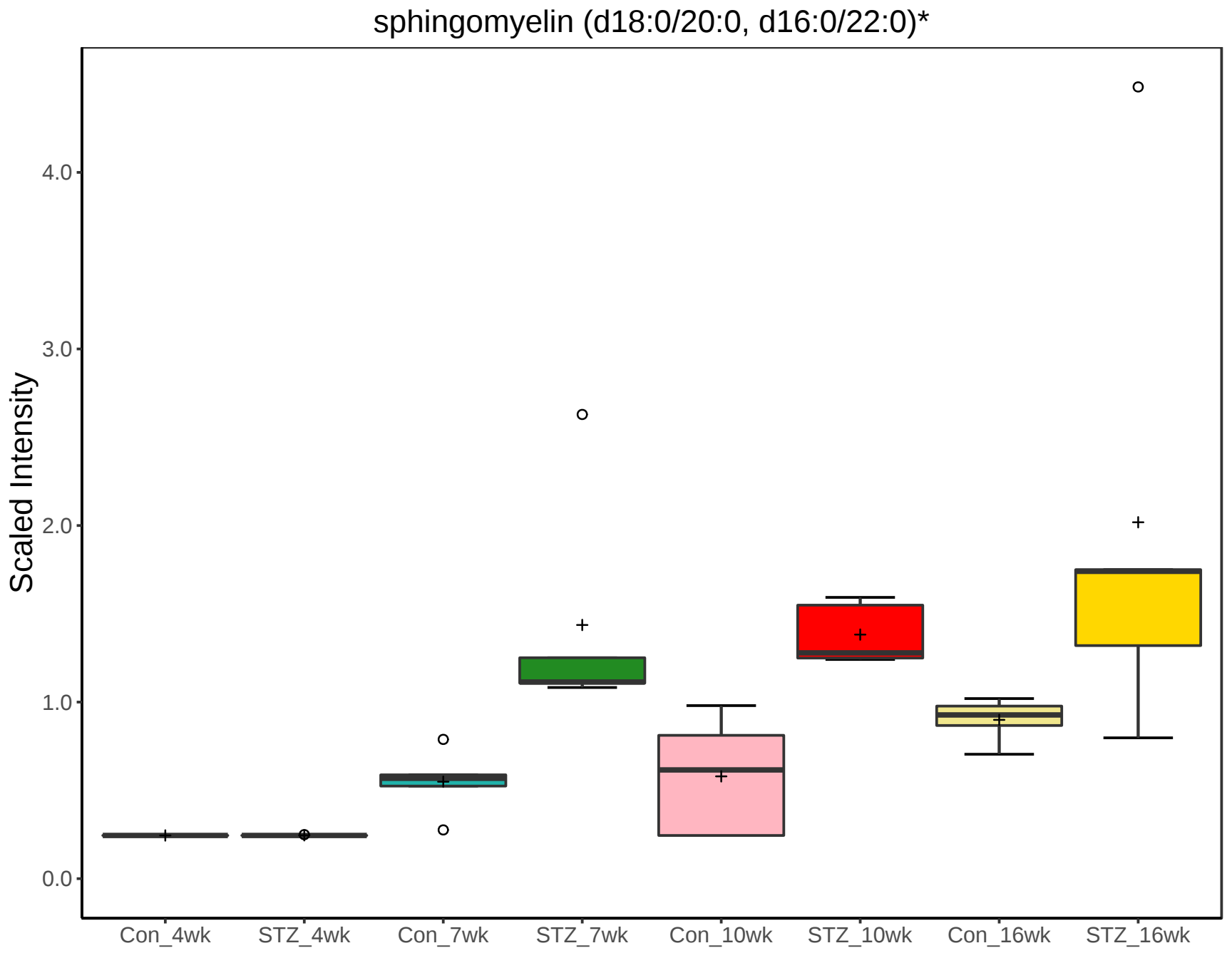

lactosyl-N-palmitoyl-sphingosine (d18:1/16:0)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

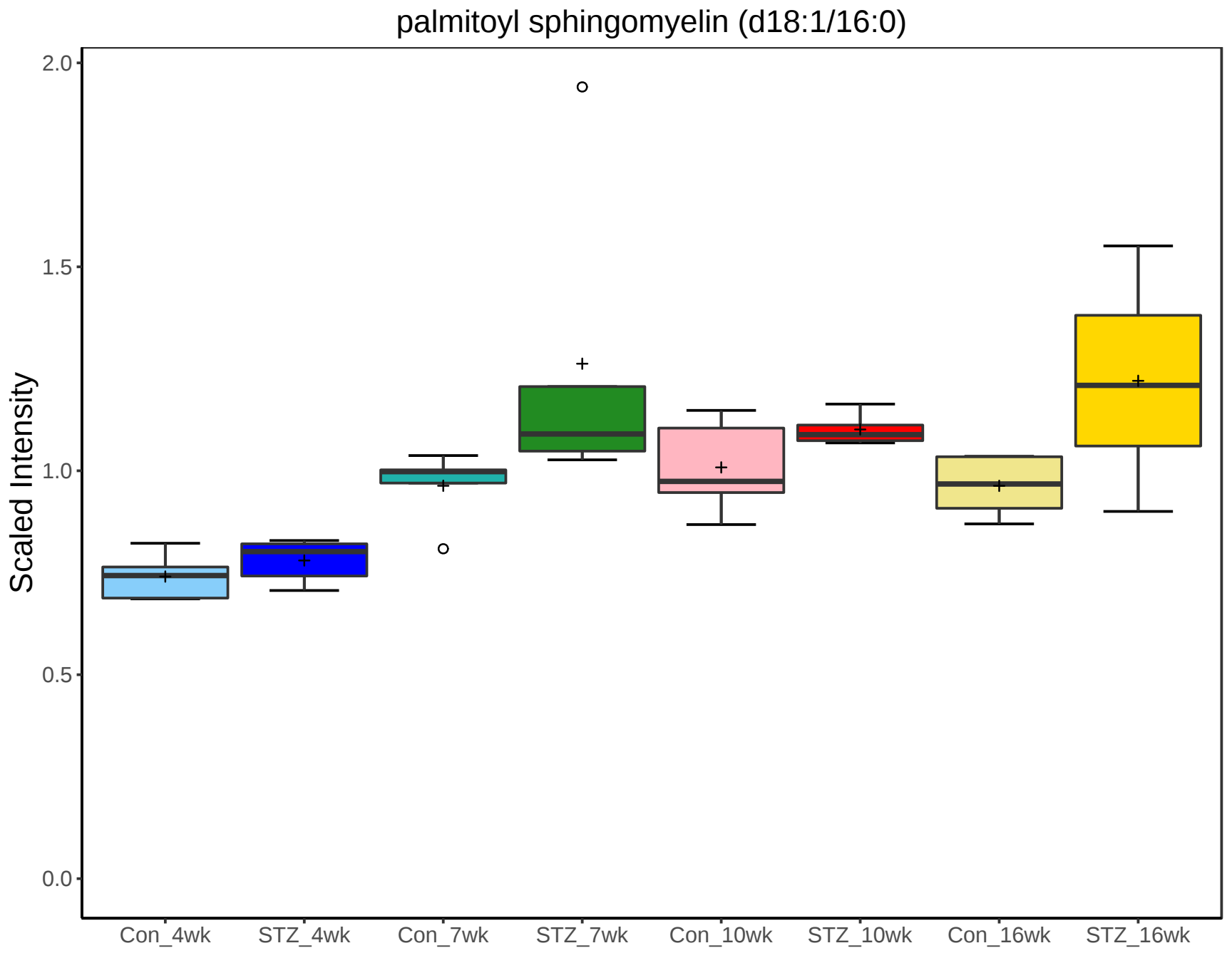

myristoyl dihydrosphingomyelin (d18:0/14:0)*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

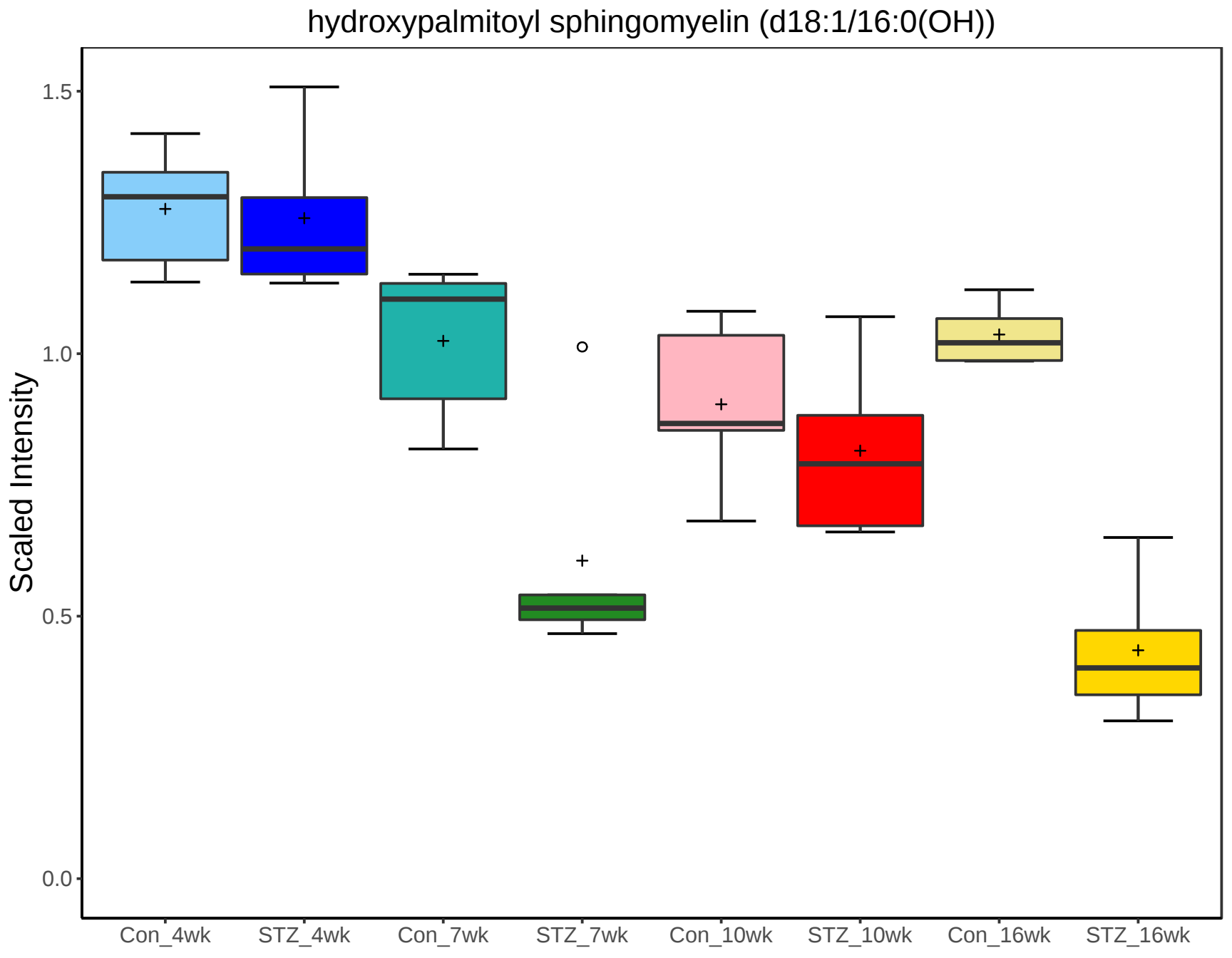

palmitoyl dihydrosphingomyelin (d18:0/16:0)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

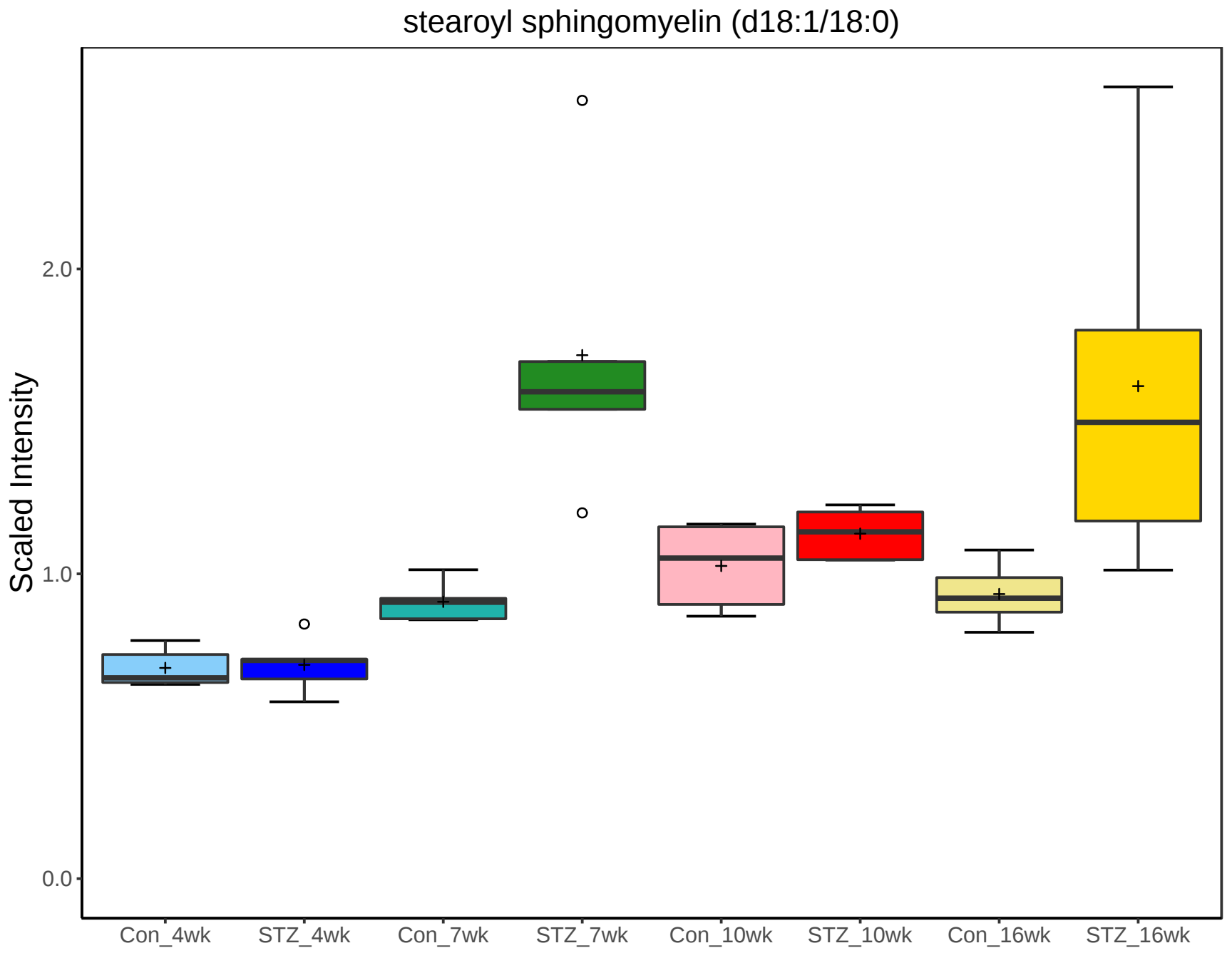

behenoyl dihydrosphingomyelin (d18:0/22:0)*
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

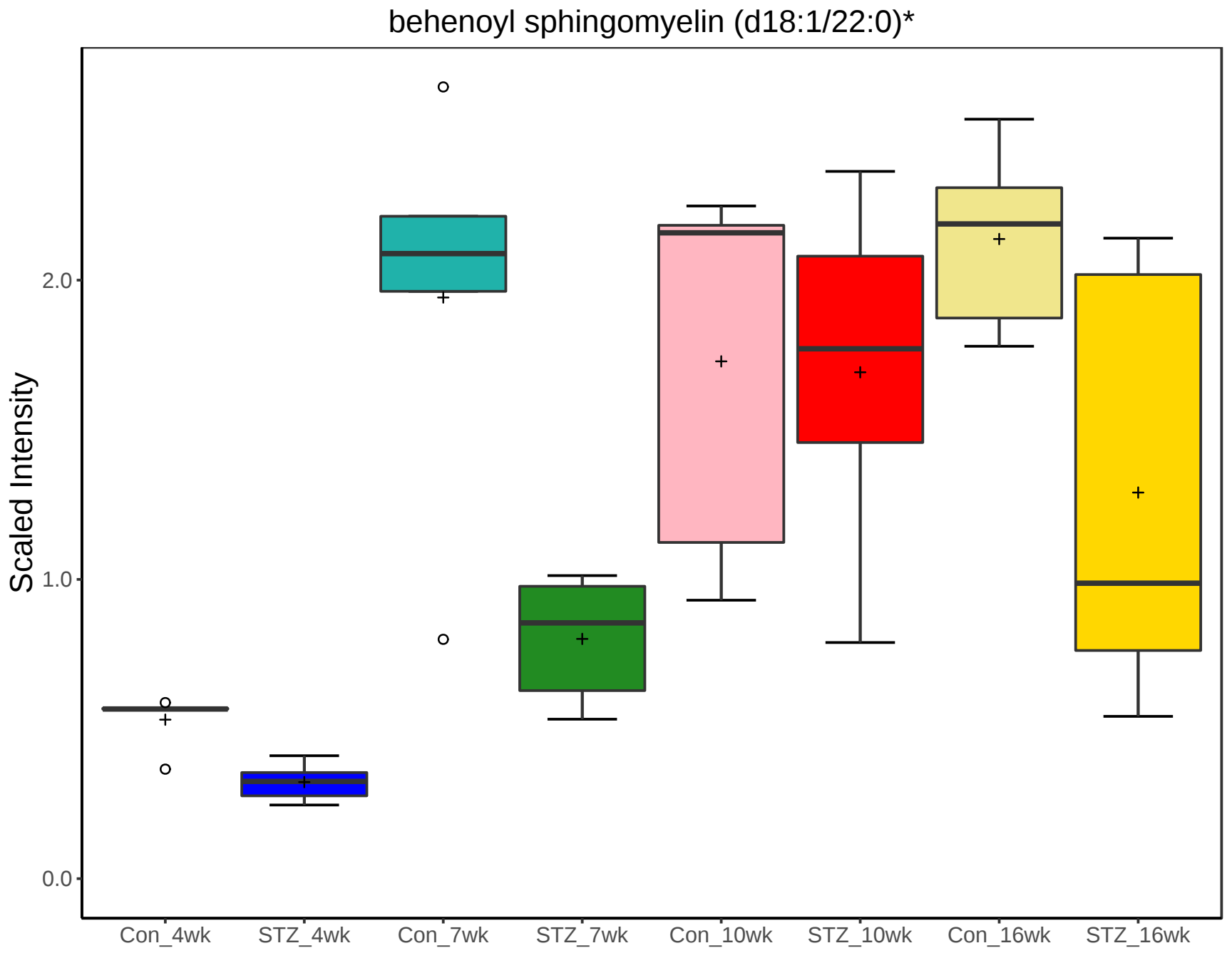

sphingomyelin (d18:0/18:0, d19:0/17:0)*
Scaled Intensity
12.0
8.0
4.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

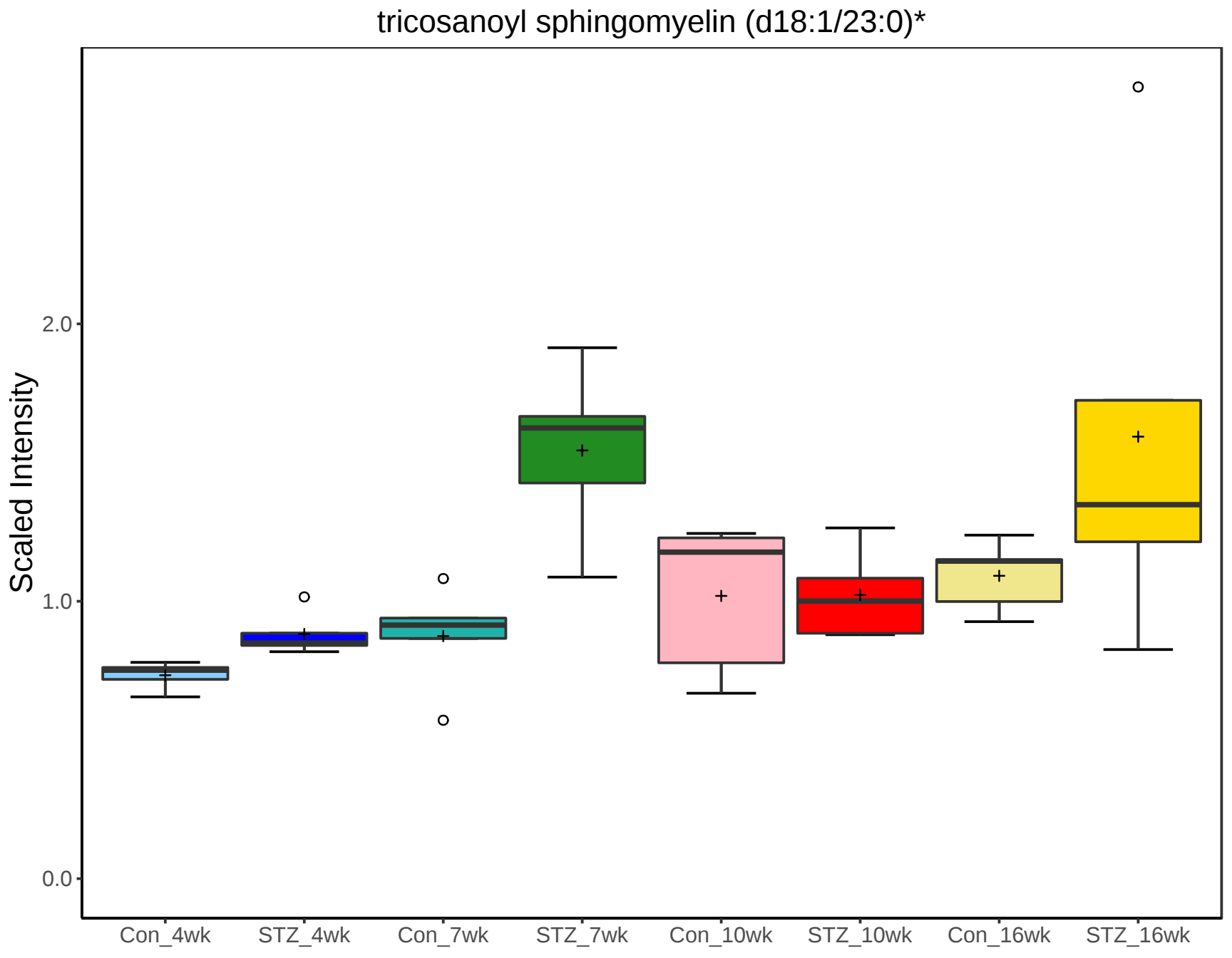

sphingomyelin (d18:0/20:0, d16:0/22:0)*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

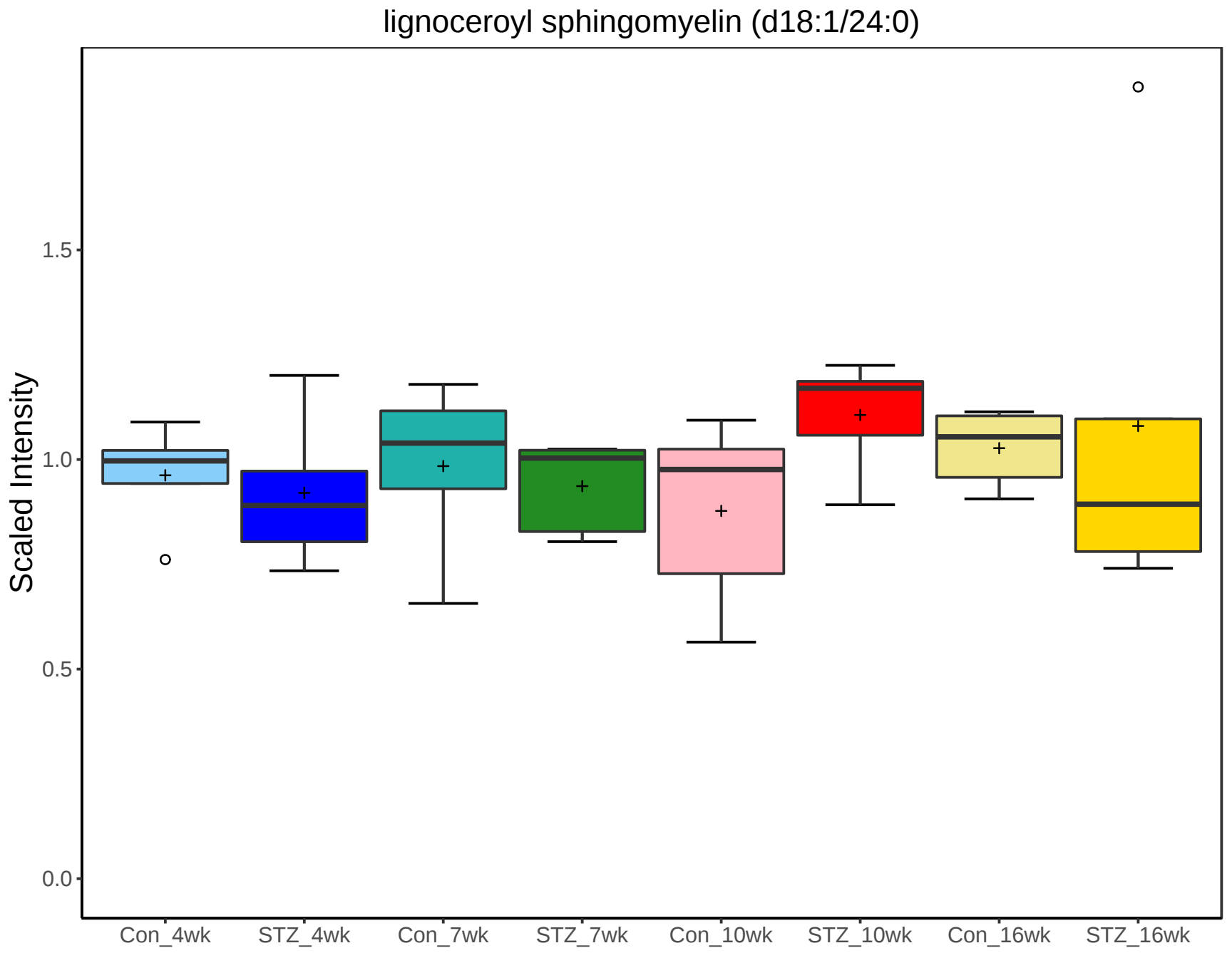

palmitoyl sphingomyelin (d18:1/16:0)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

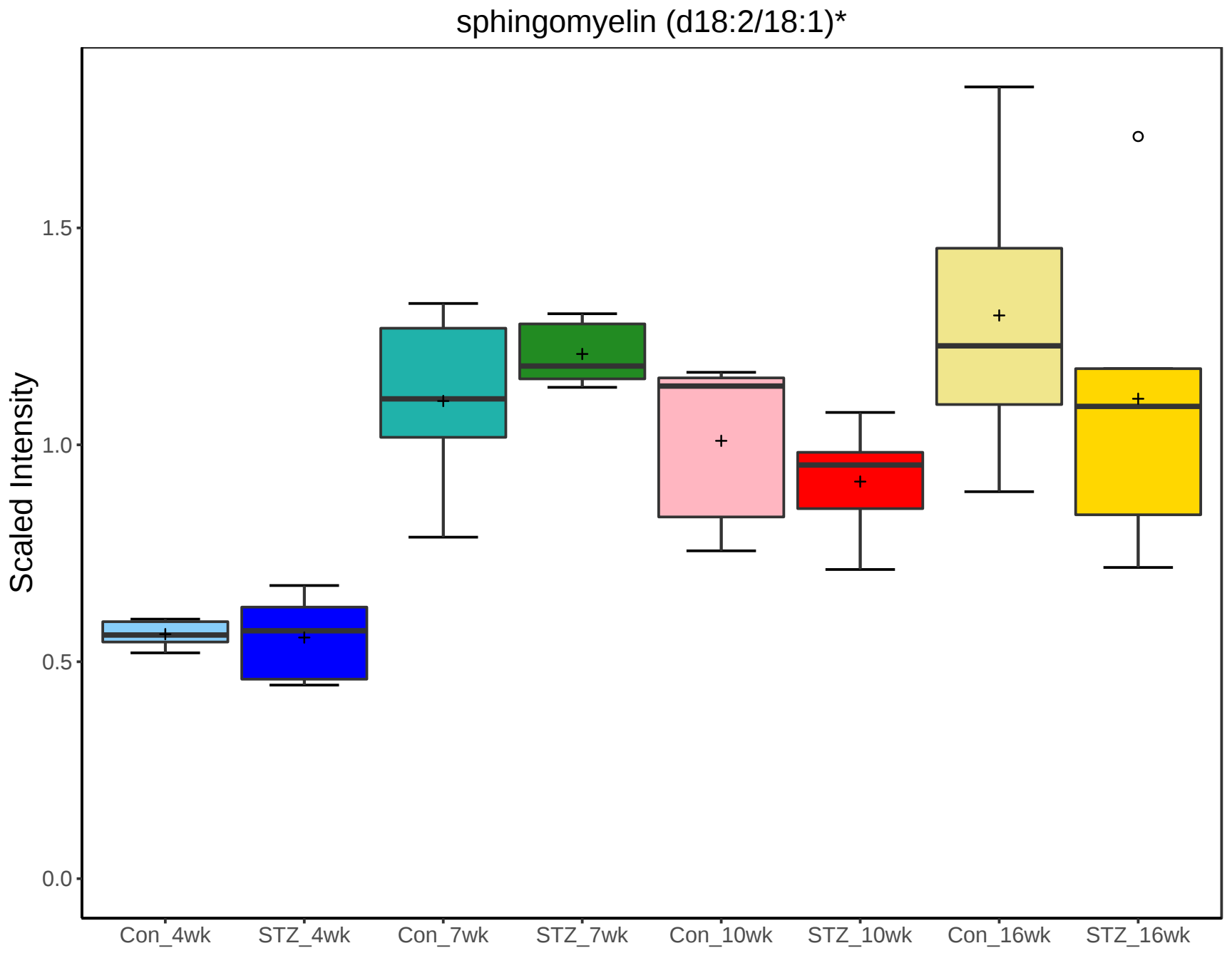

hydroxypalmitoyl sphingomyelin (d18:1/16:0(OH))
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

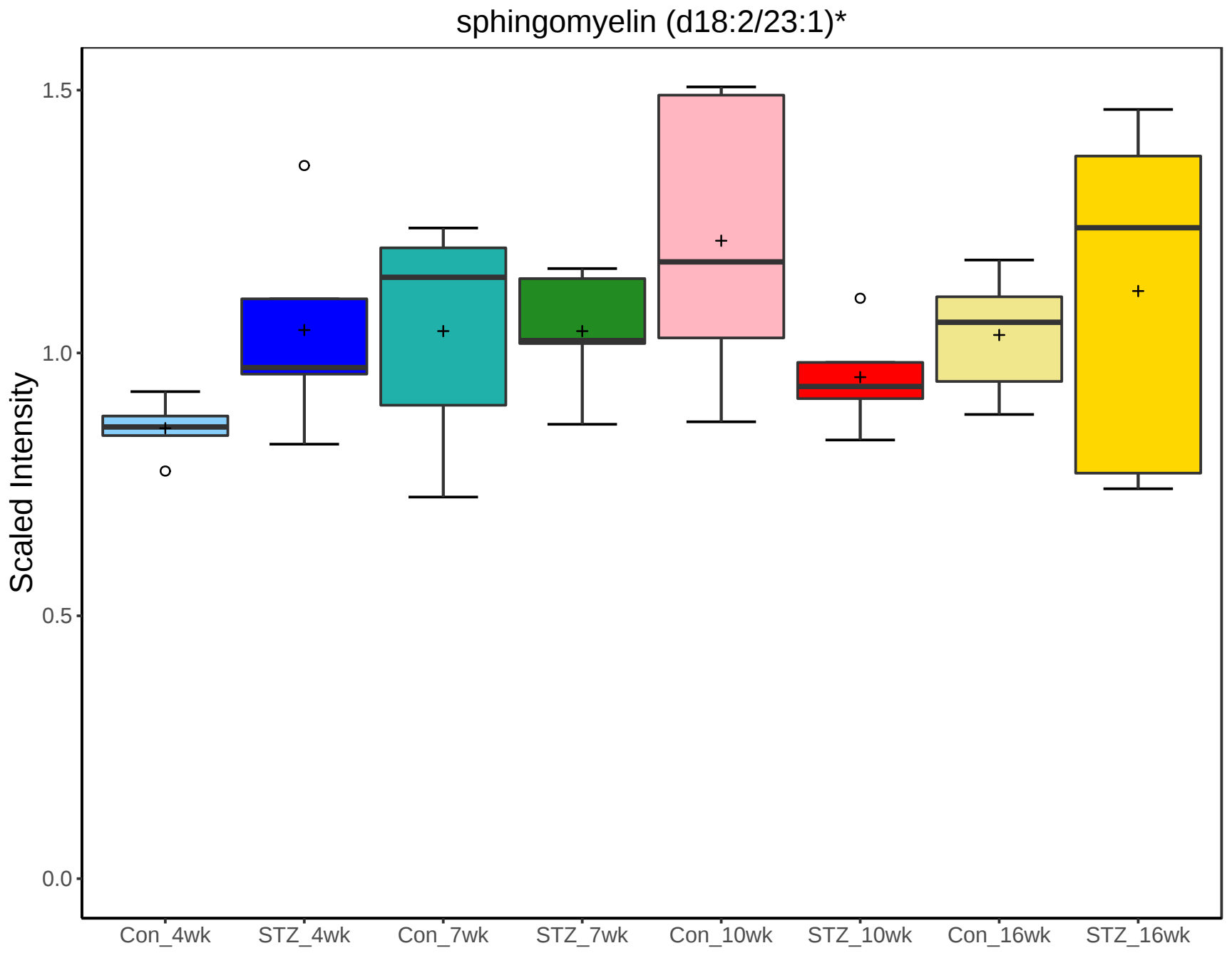

stearoyl sphingomyelin (d18:1/18:0)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

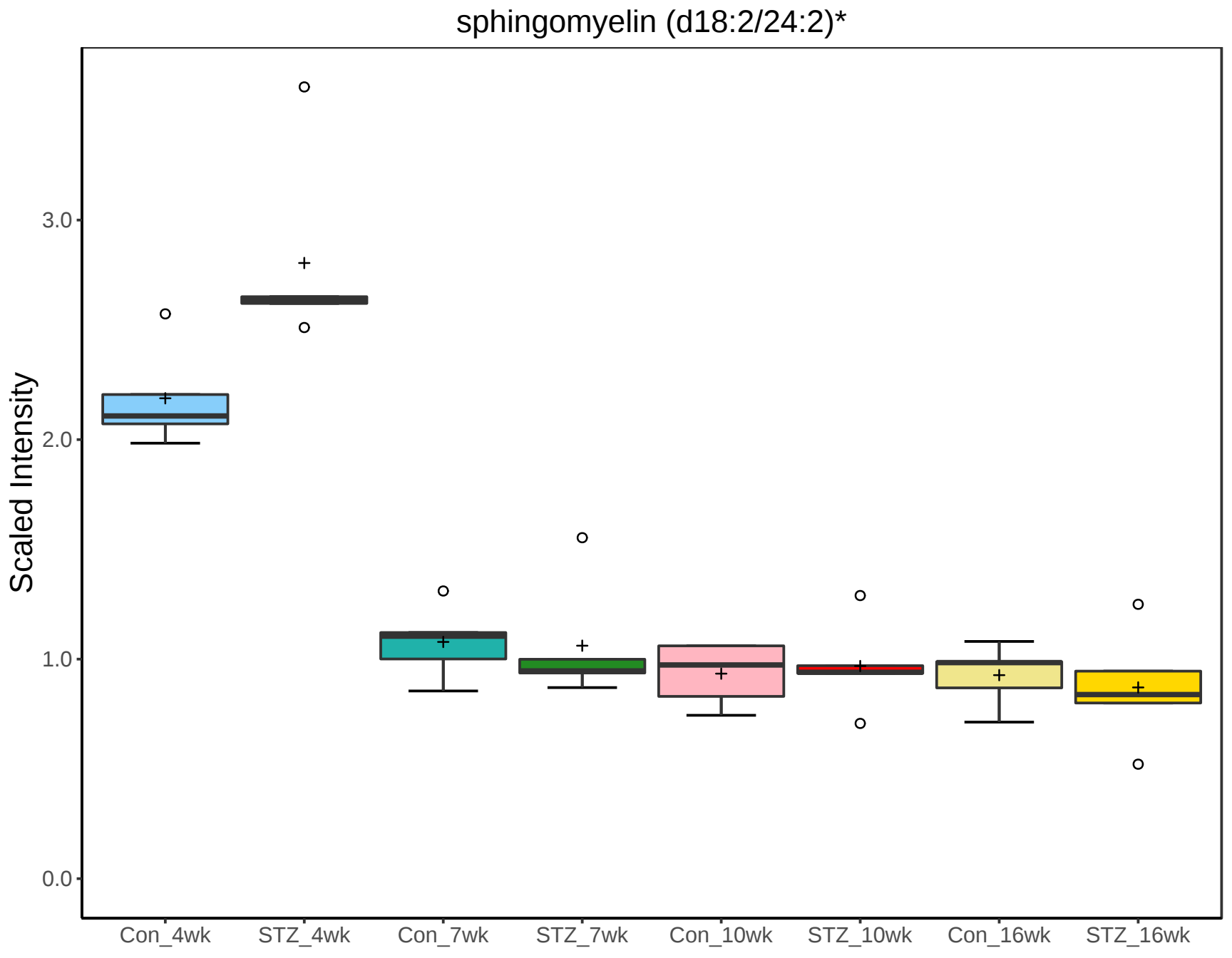

behenoyl sphingomyelin (d18:1/22:0)*
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

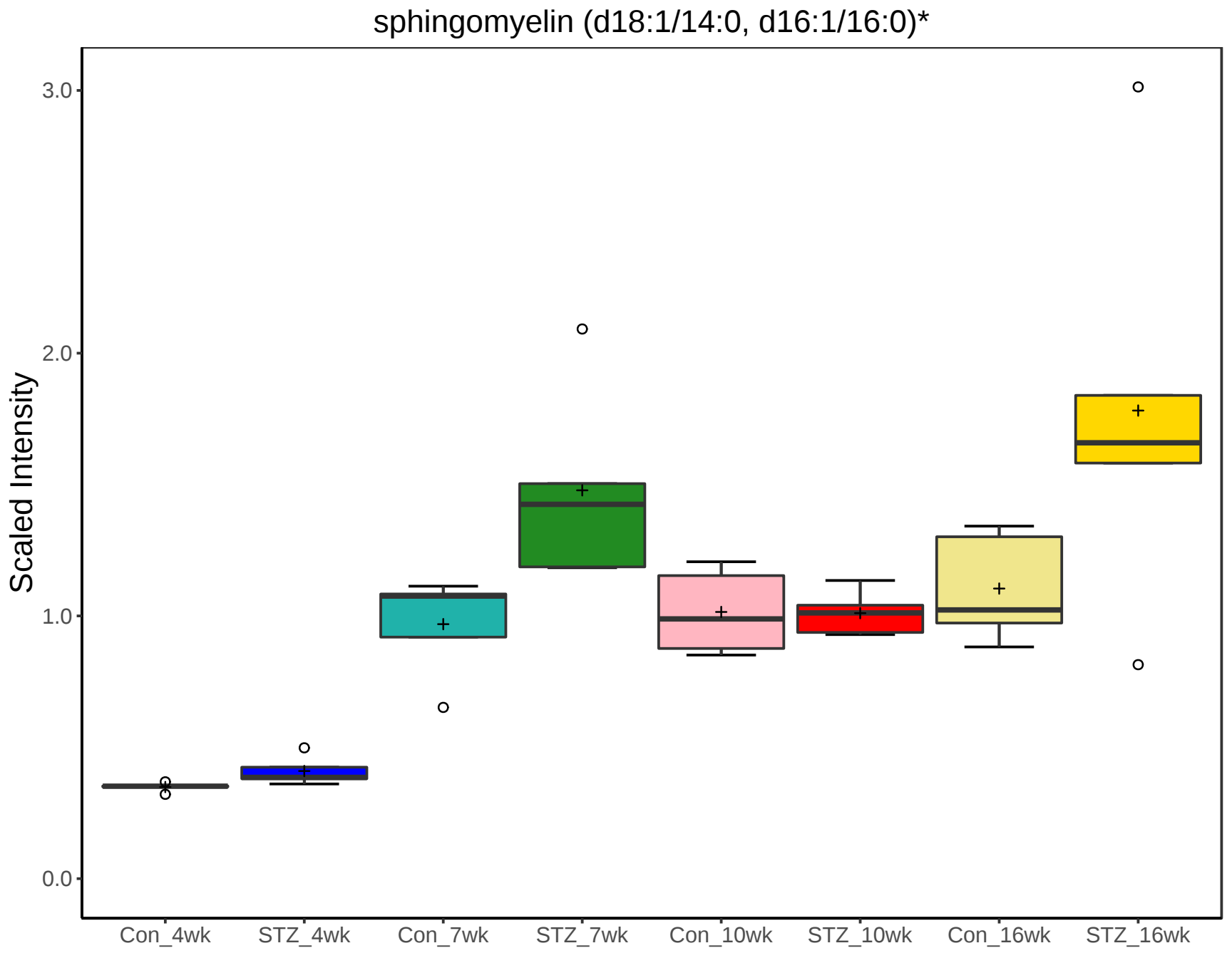

tricosanoyl sphingomyelin (d18:1/23:0)*
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

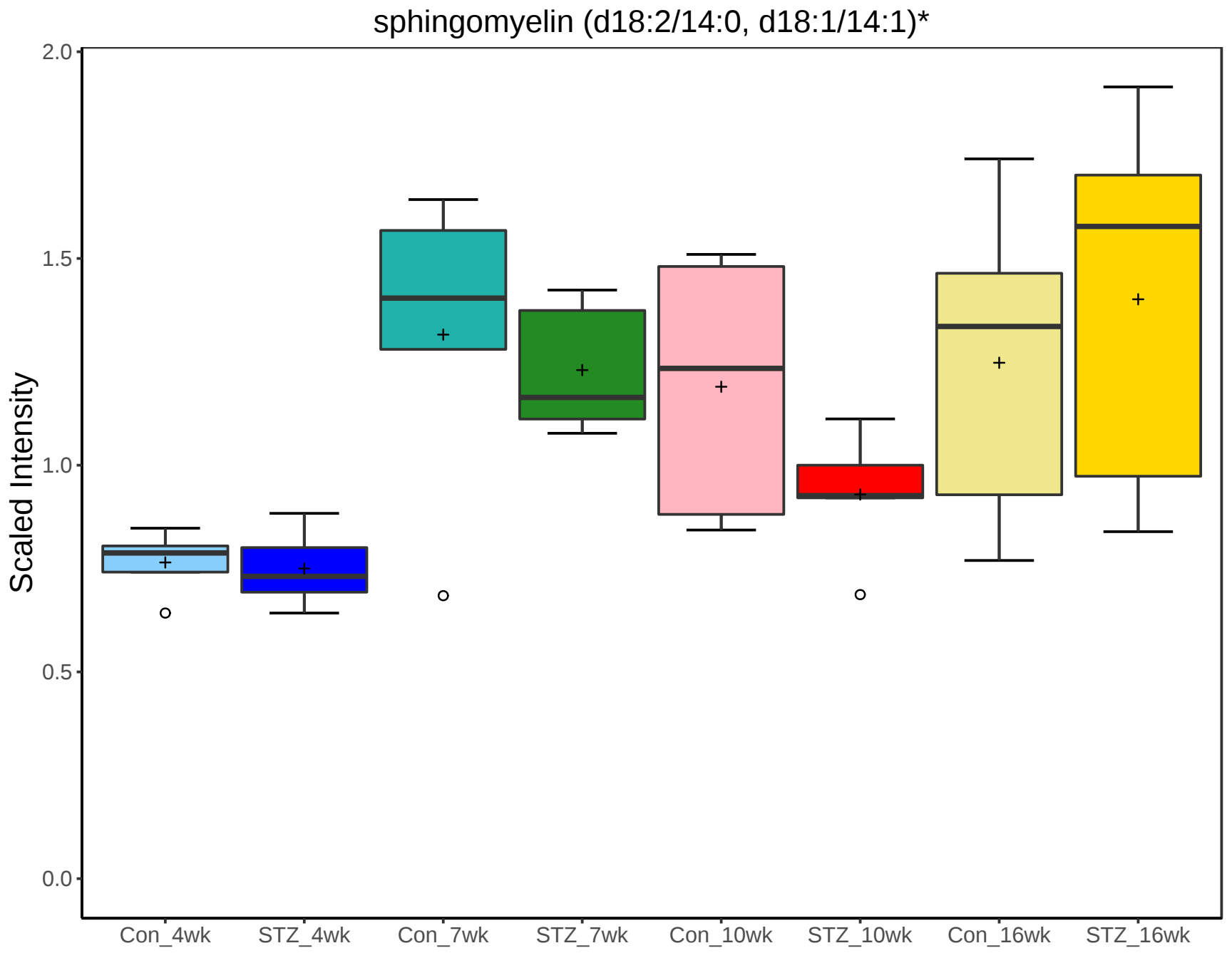

lignoceroyl sphingomyelin (d18:1/24:0)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

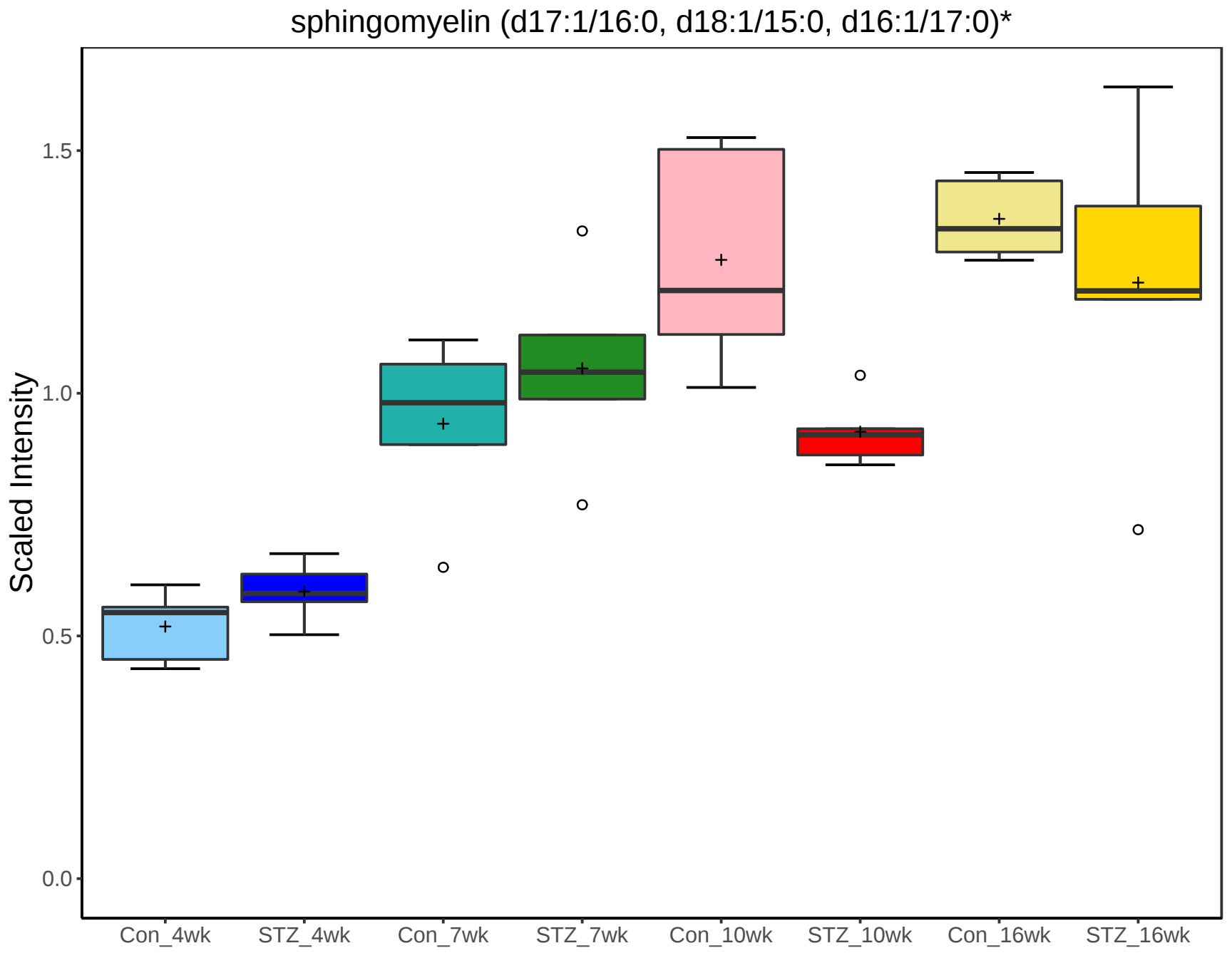

sphingomyelin (d18:2/18:1)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

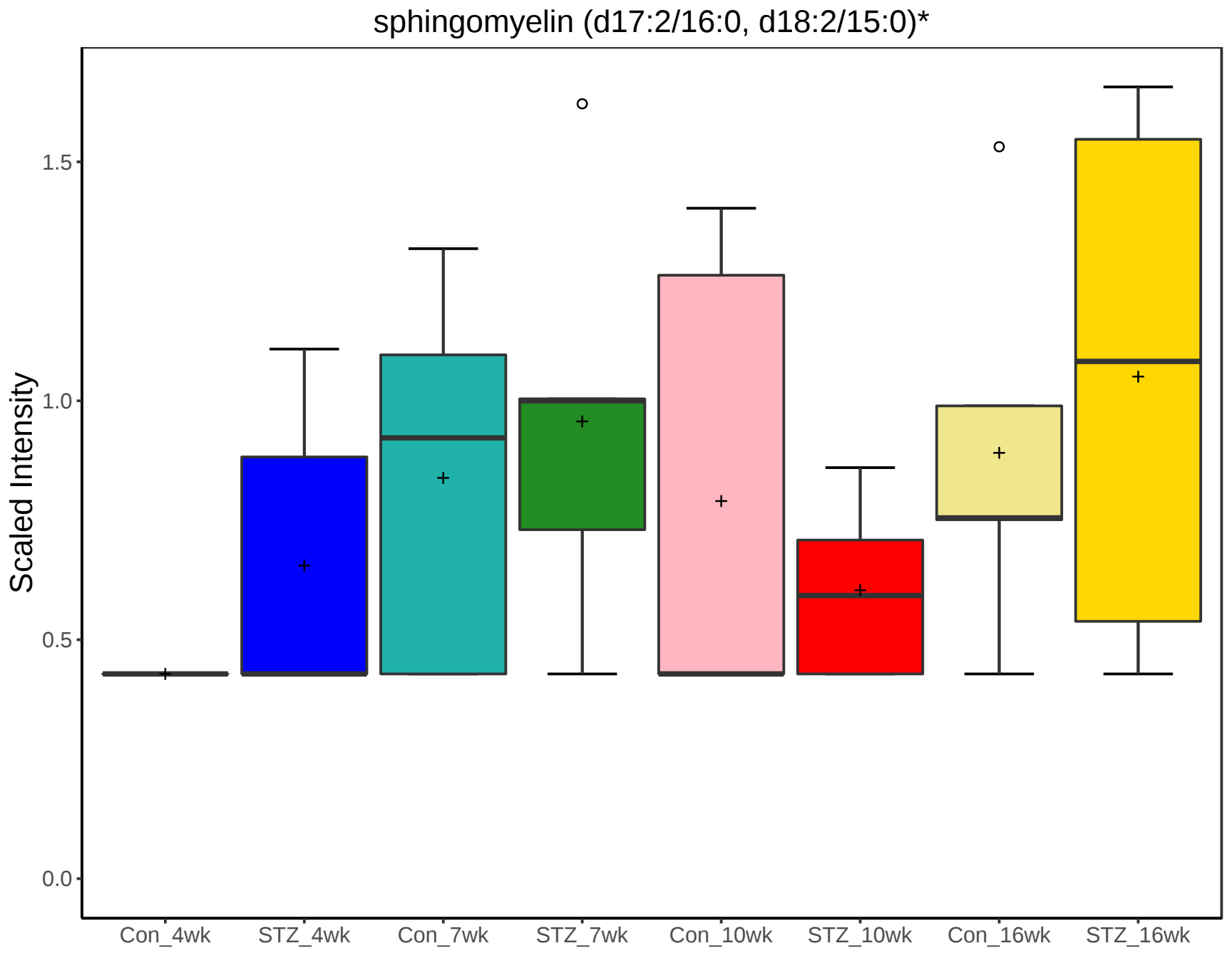

sphingomyelin (d18:2/23:1)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

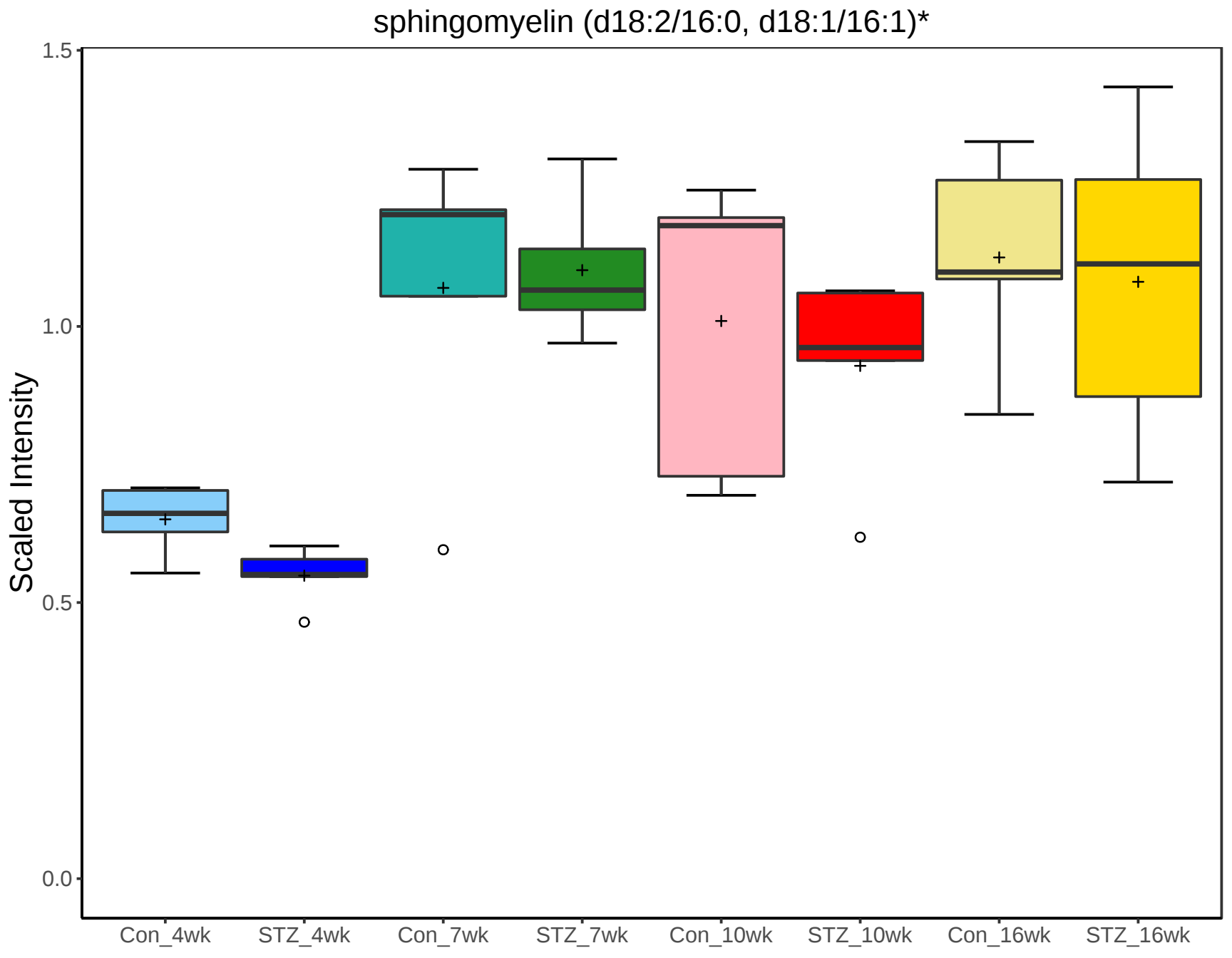

sphingomyelin (d18:2/24:2)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

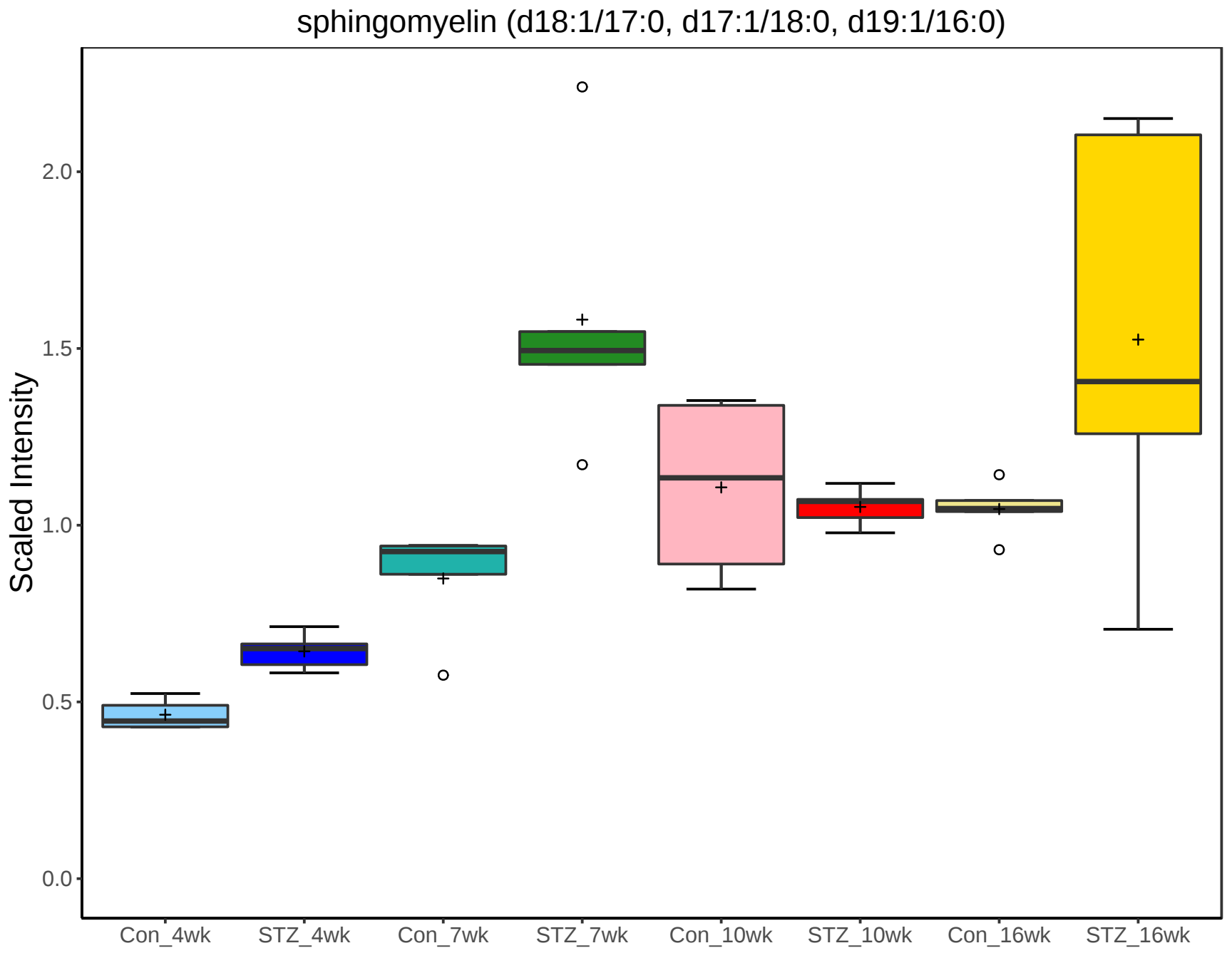

sphingomyelin (d18:1/14:0, d16:1/16:0)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

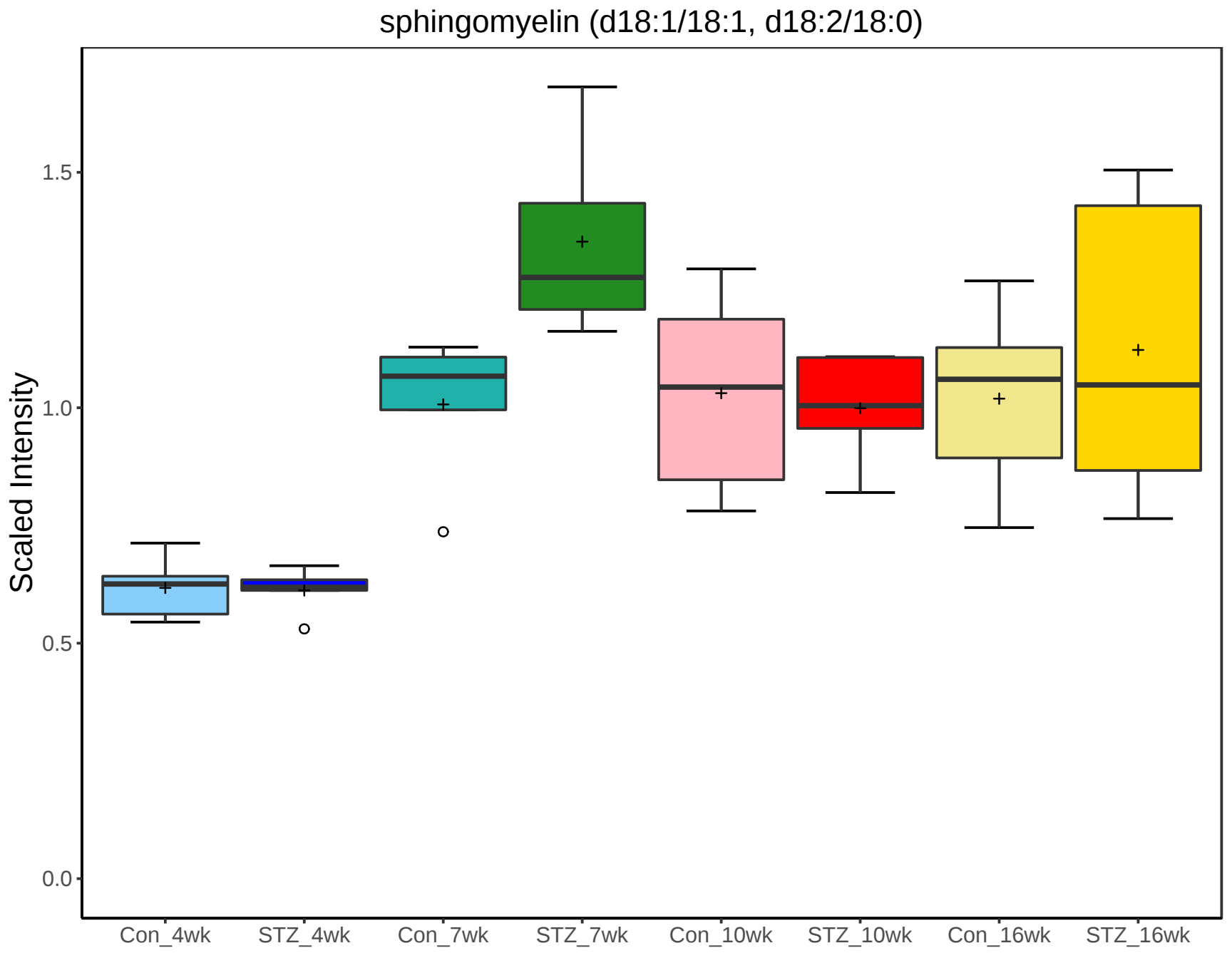

sphingomyelin (d18:2/14:0, d18:1/14:1)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

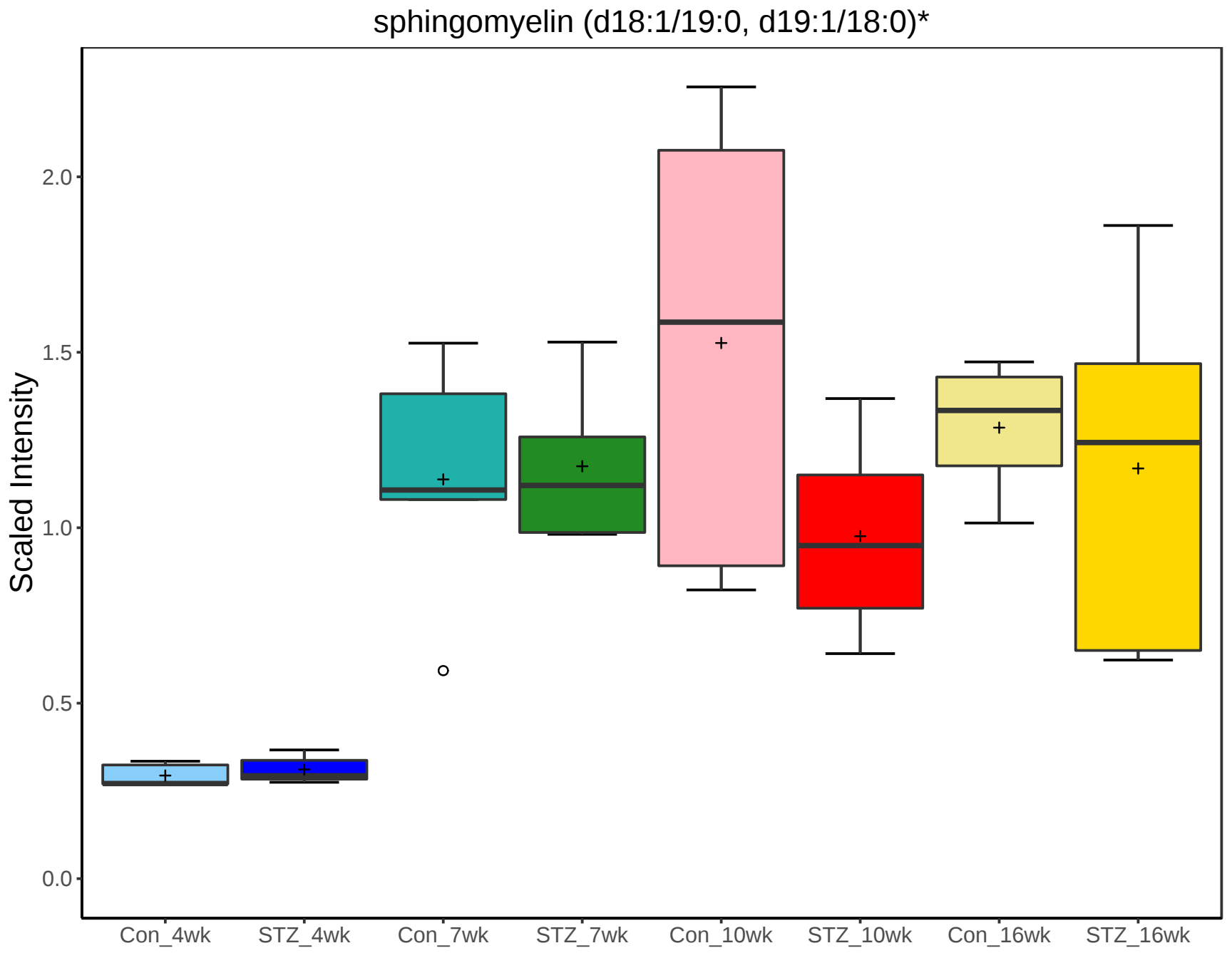

sphingomyelin (d17:1/16:0, d18:1/15:0, d16:1/17:0)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

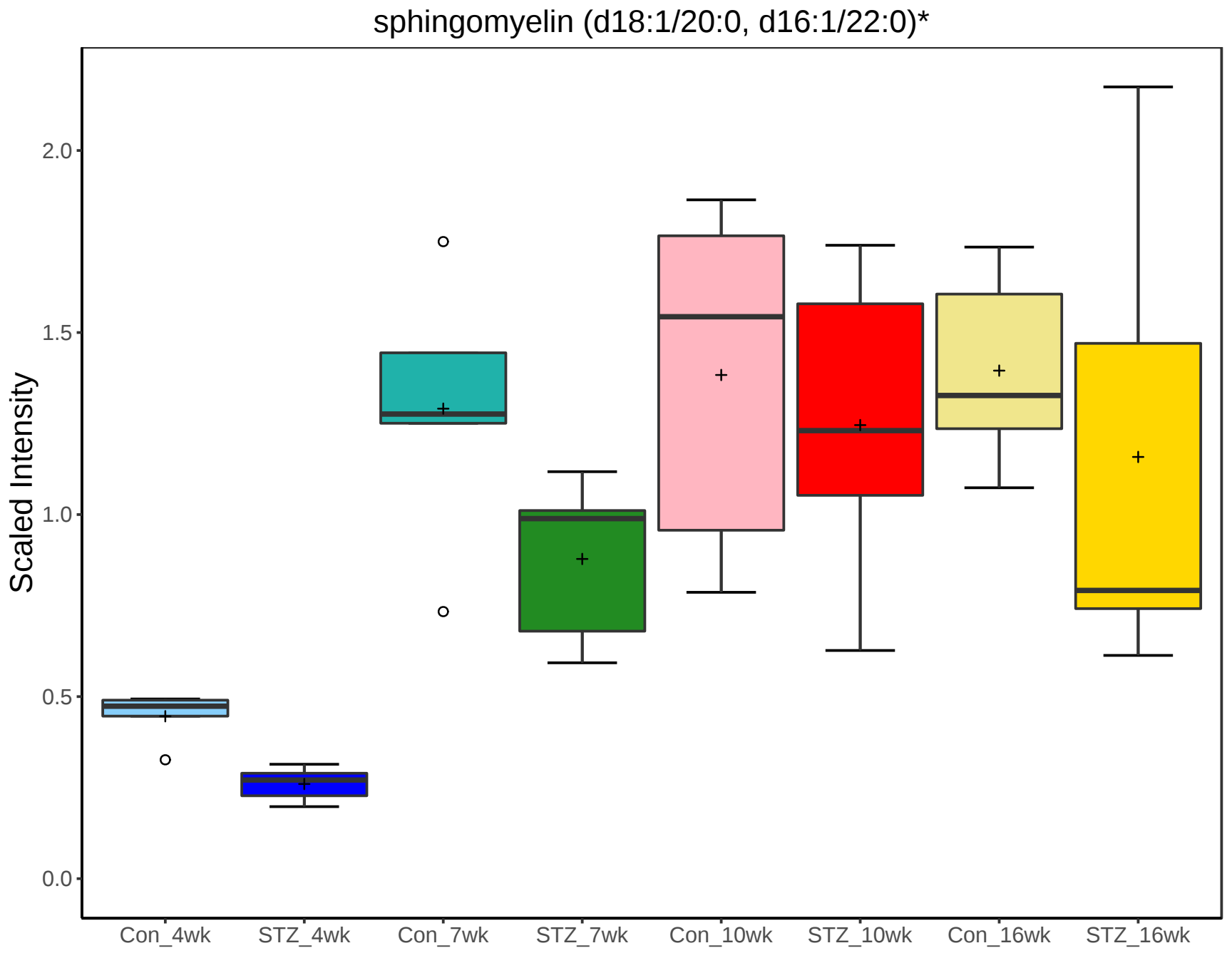

sphingomyelin (d17:2/16:0, d18:2/15:0)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

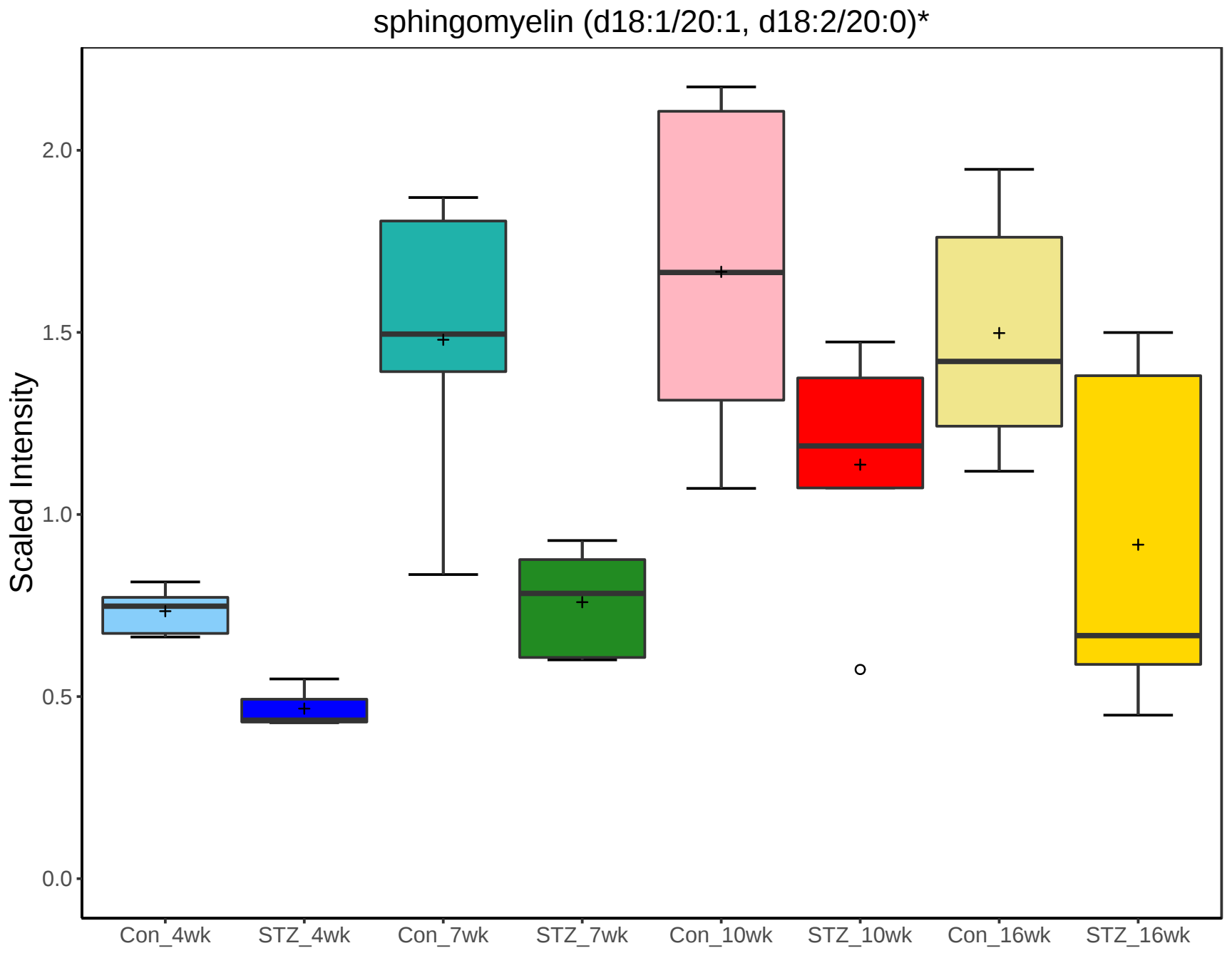

sphingomyelin (d18:2/16:0, d18:1/16:1)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

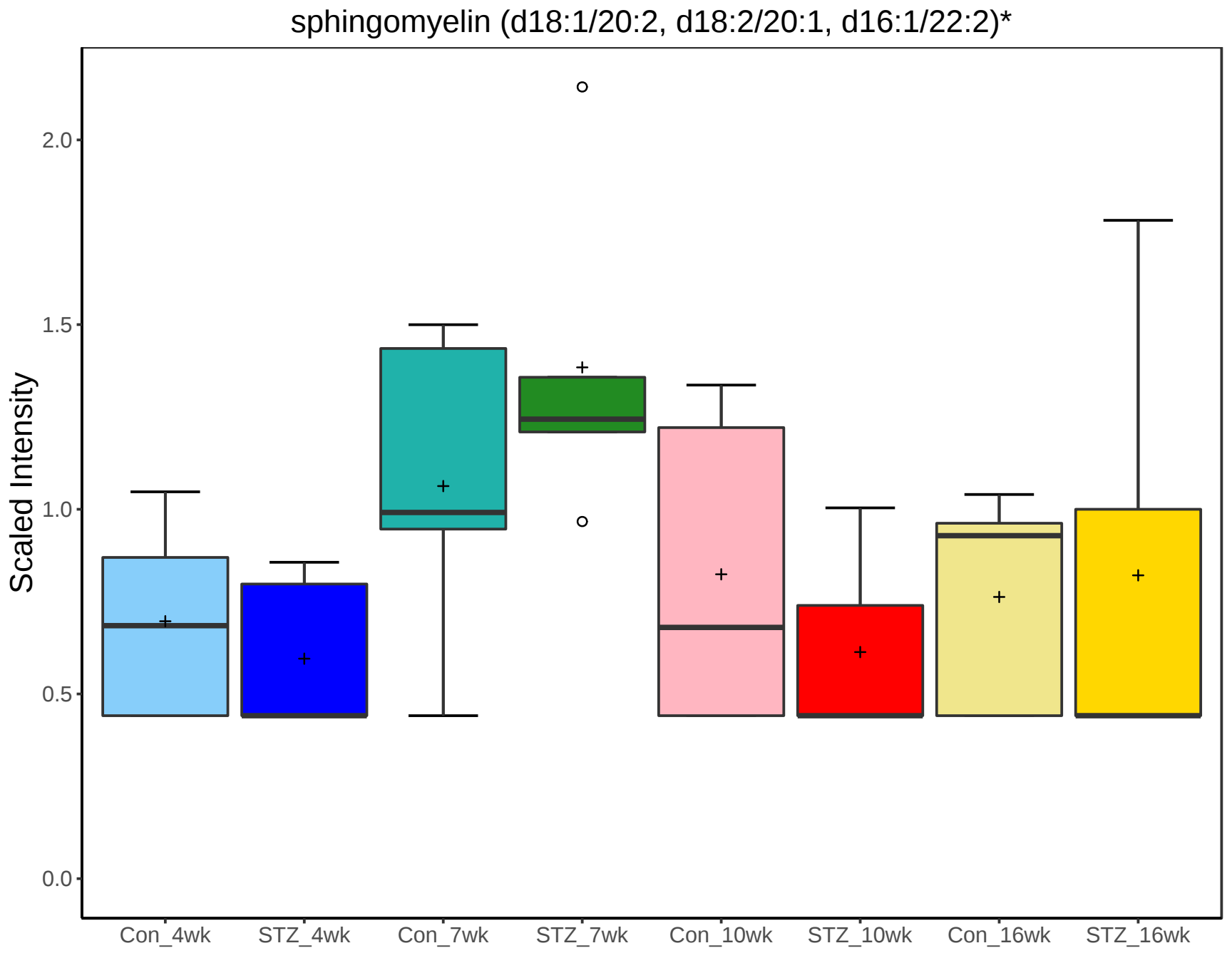

sphingomyelin (d18:1/17:0, d17:1/18:0, d19:1/16:0)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

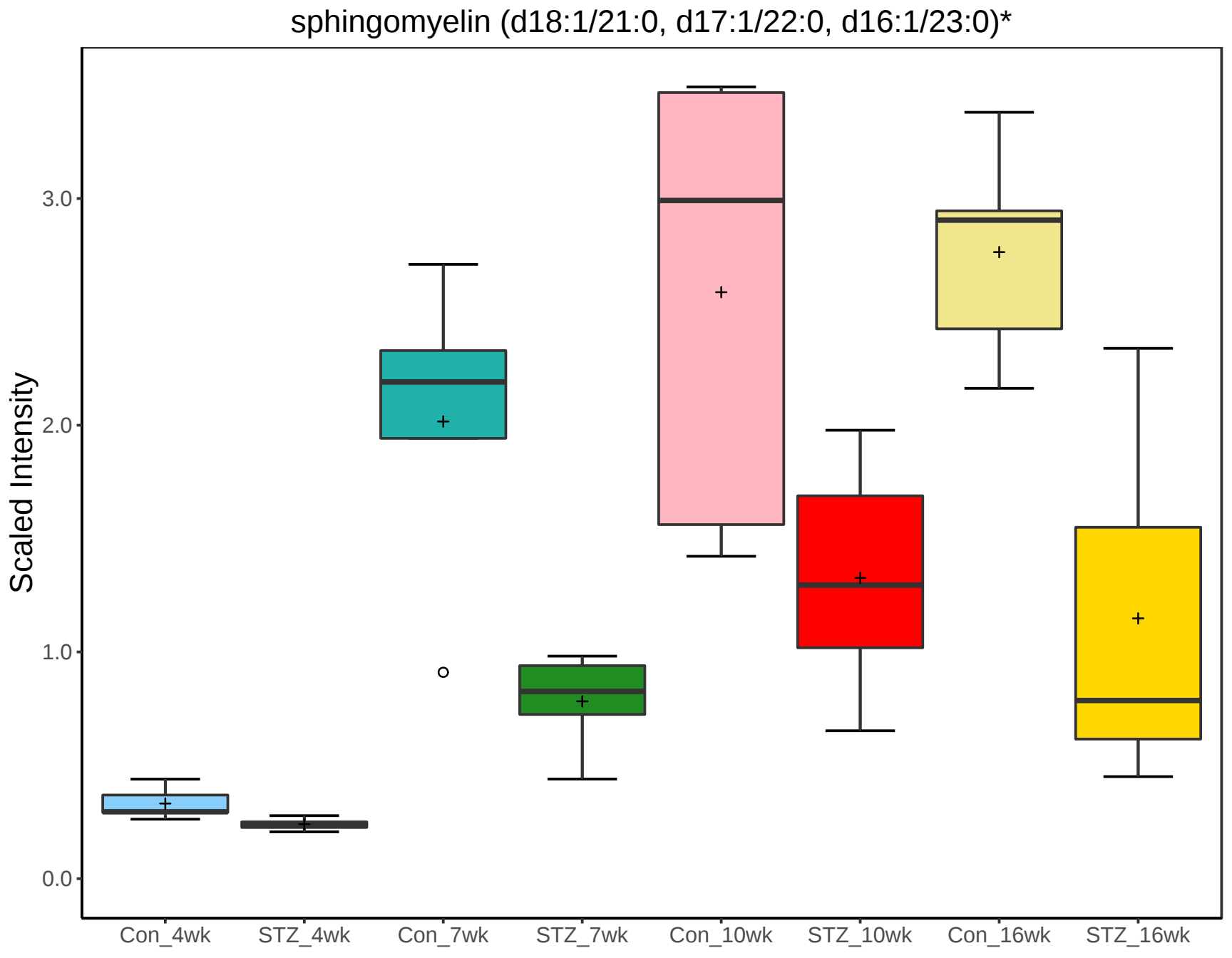

sphingomyelin (d18:1/18:1, d18:2/18:0)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

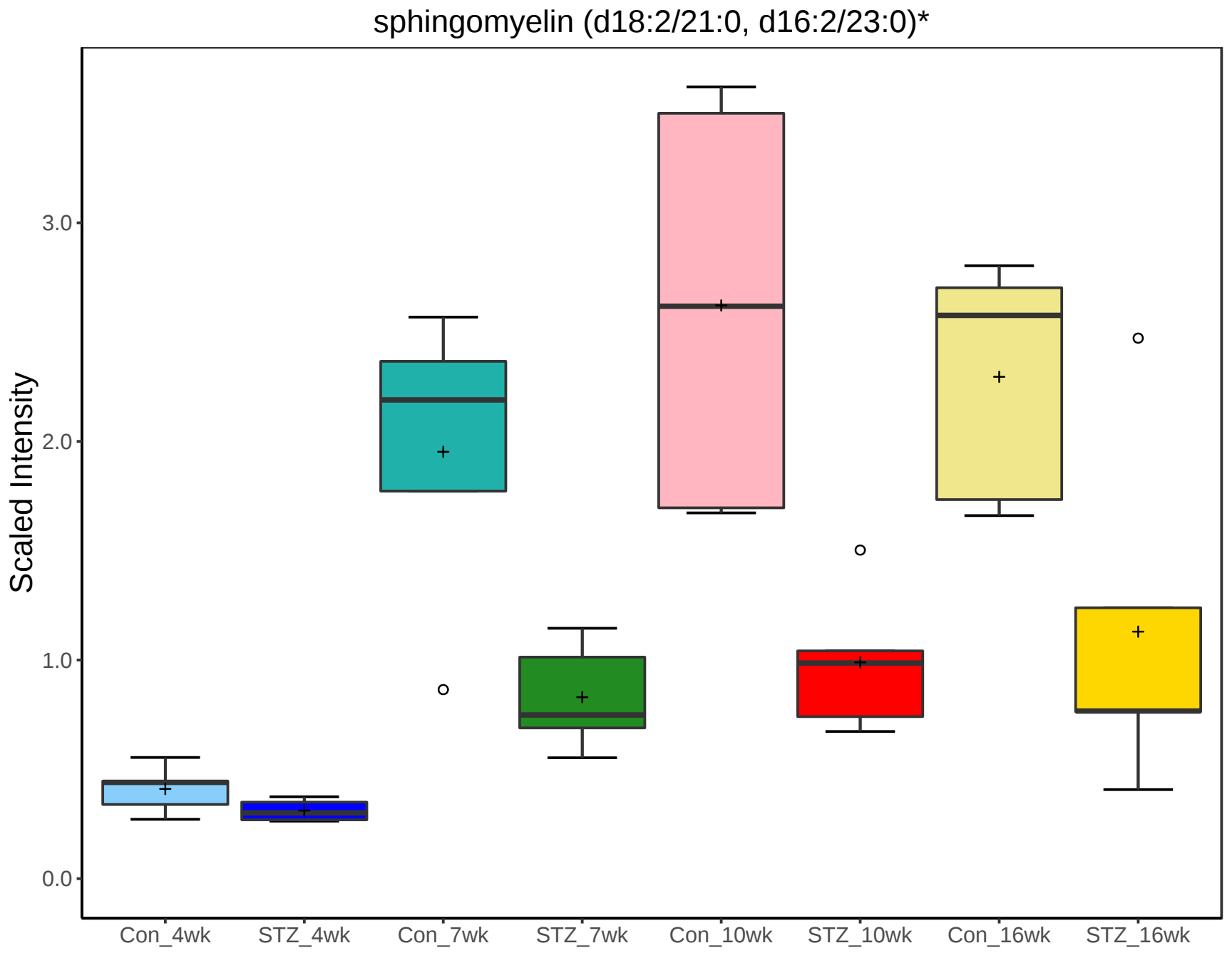

sphingomyelin (d18:1/19:0, d19:1/18:0)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

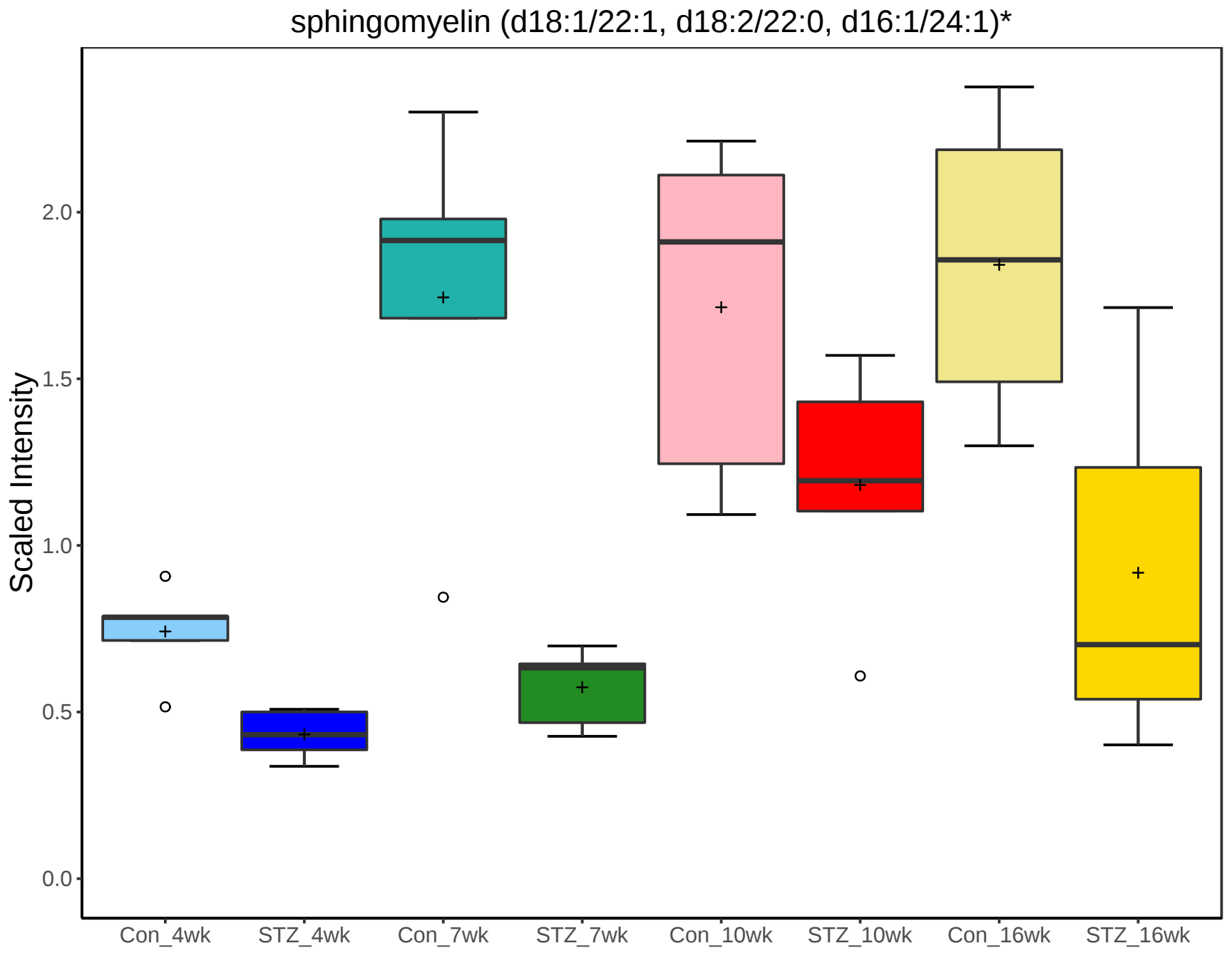

sphingomyelin (d18:1/20:0, d16:1/22:0)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

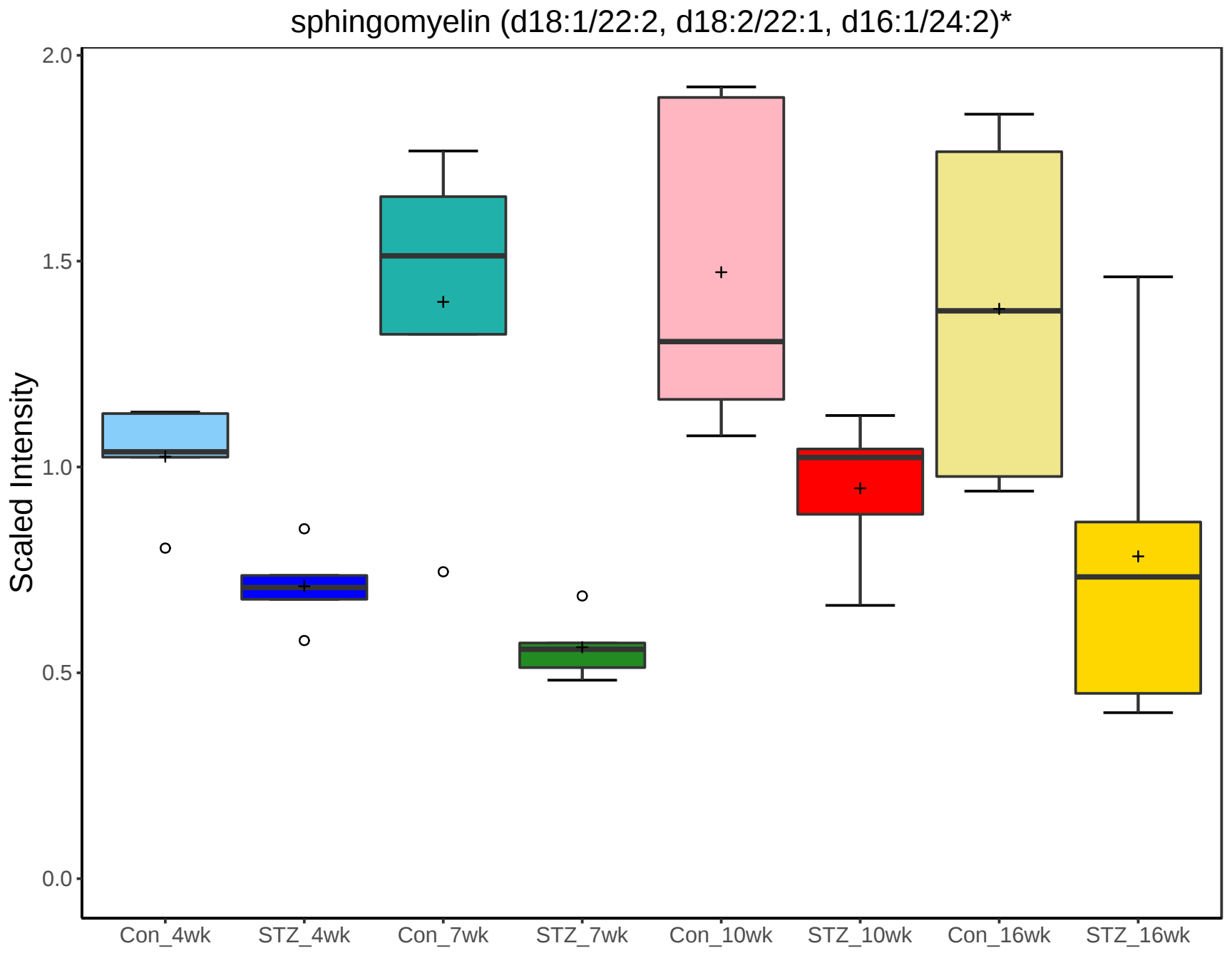

sphingomyelin (d18:1/20:1, d18:2/20:0)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

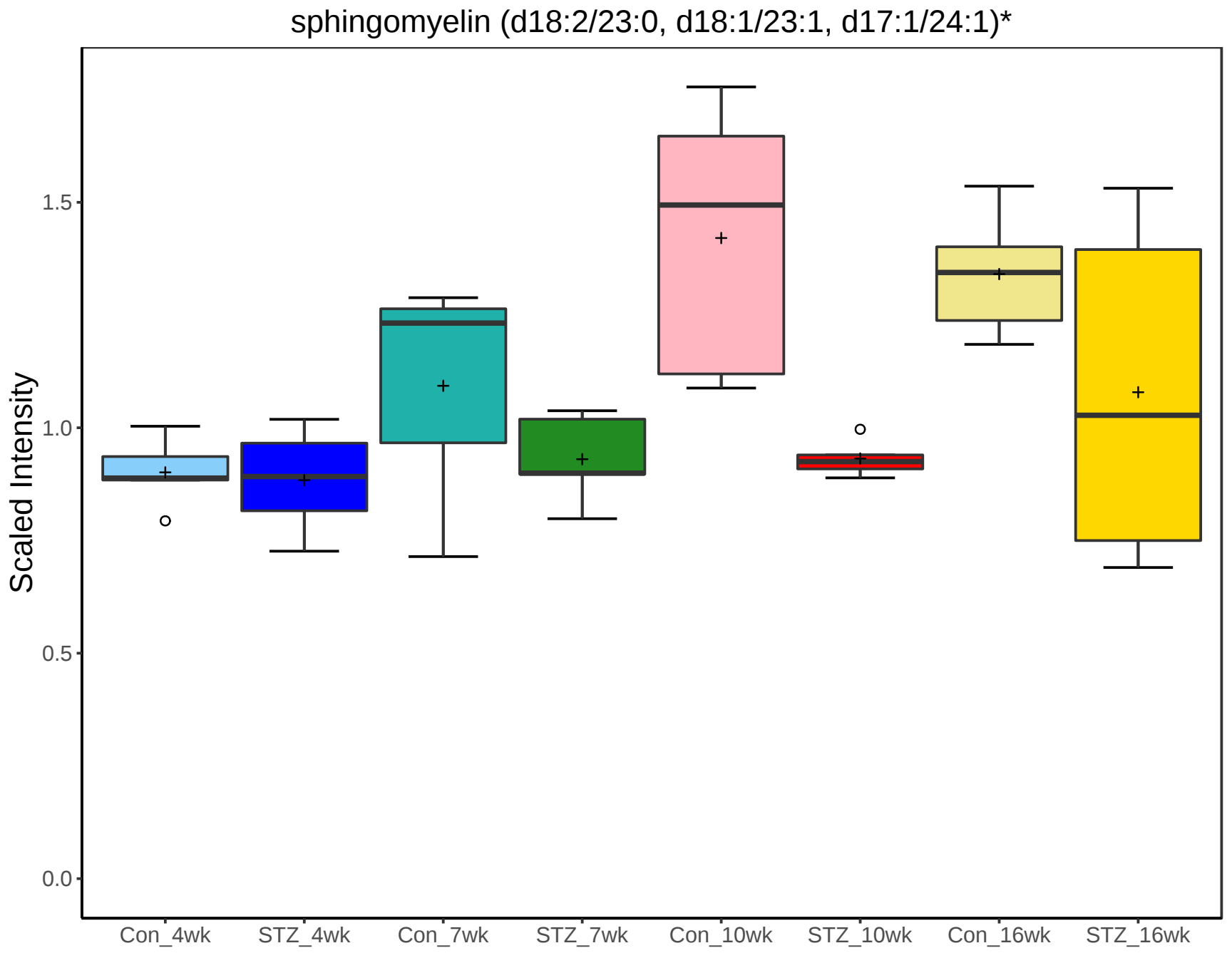

sphingomyelin (d18:1/20:2, d18:2/20:1, d16:1/22:2)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

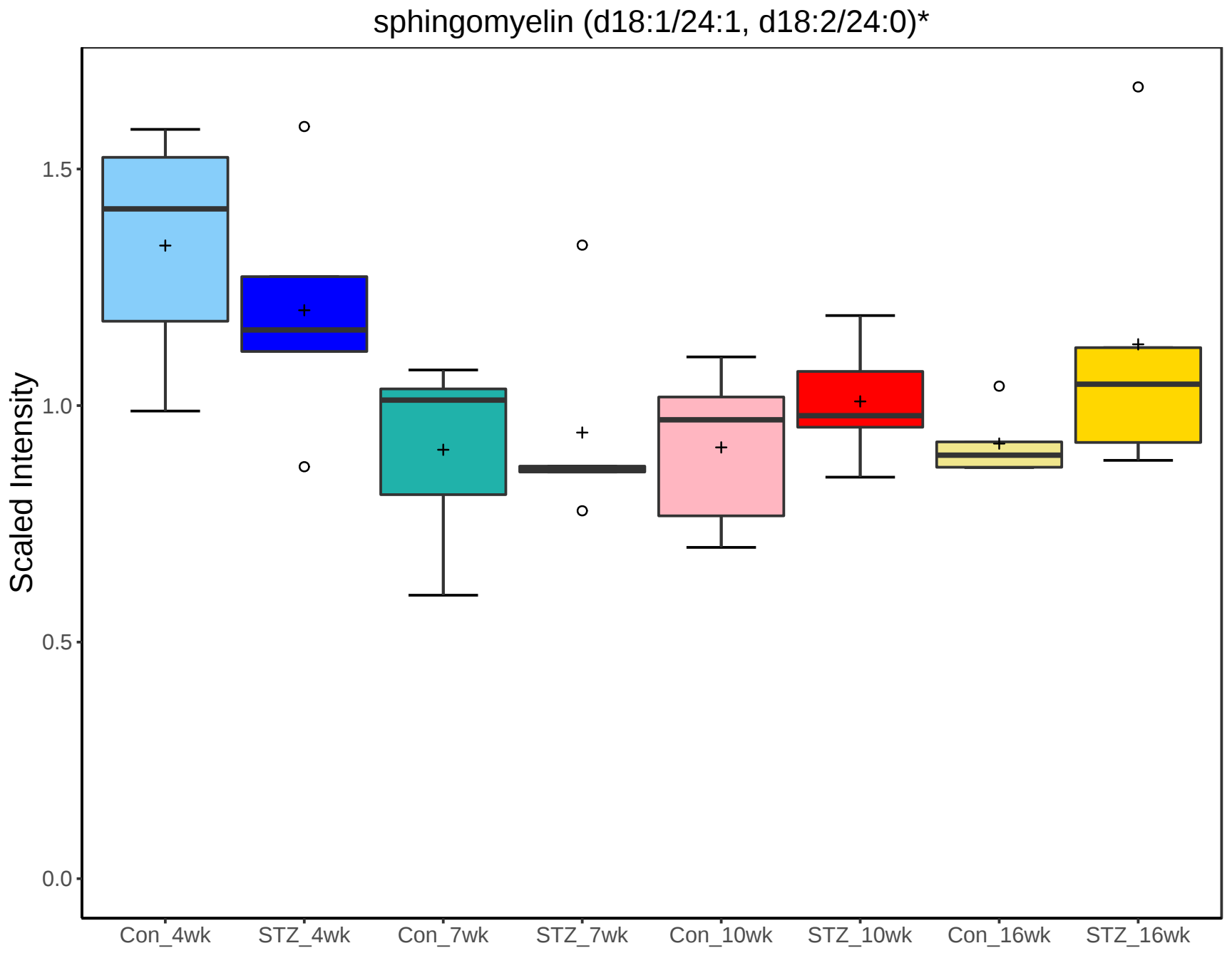

sphingomyelin (d18:1/21:0, d17:1/22:0, d16:1/23:0)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

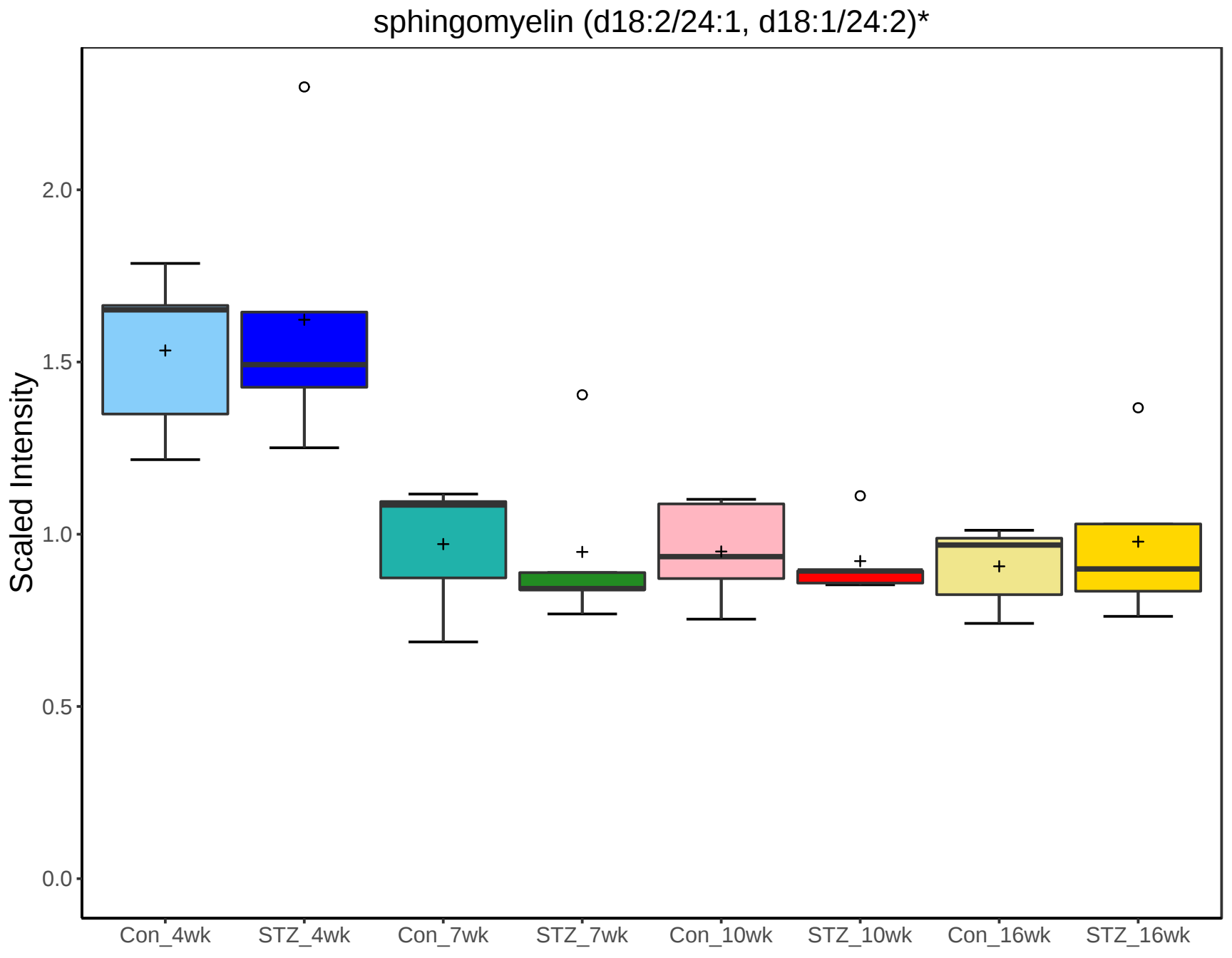

sphingomyelin (d18:2/21:0, d16:2/23:0)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

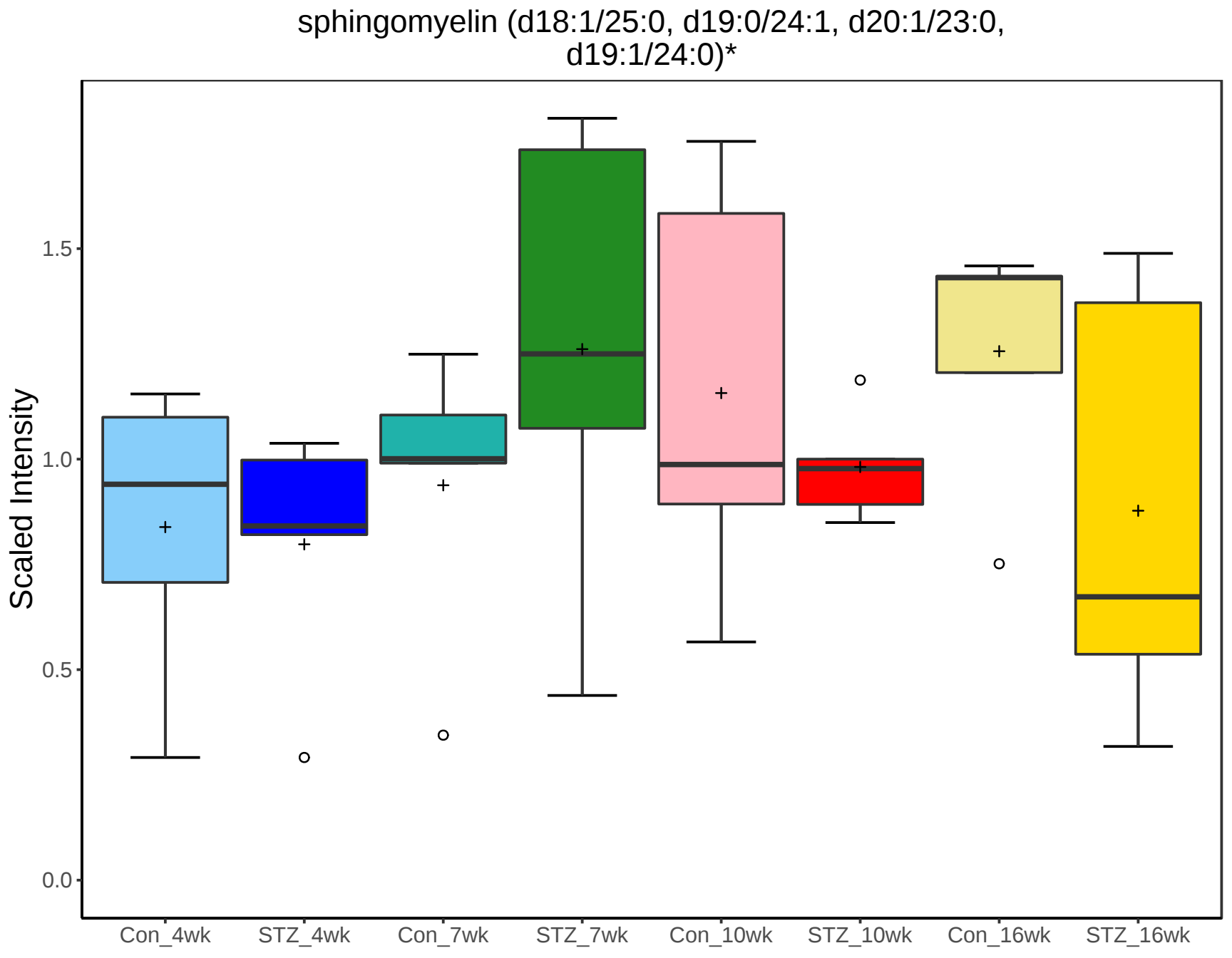

sphingomyelin (d18:1/22:1, d18:2/22:0, d16:1/24:1)*
Scaled Intensity
0.0
0.5
1.0
1.5
2.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

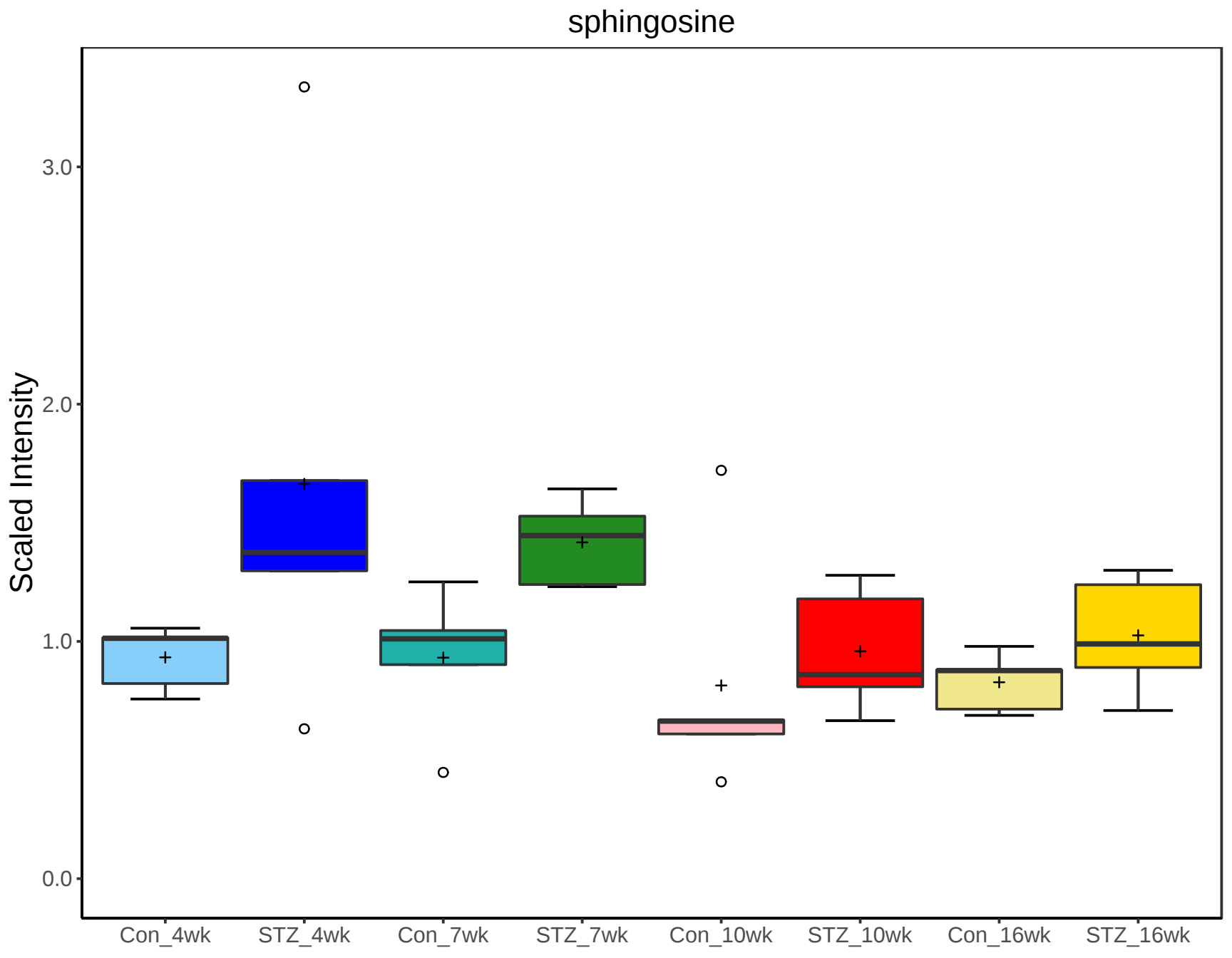

sphingomyelin (d18:1/22:2, d18:2/22:1, d16:1/24:2)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

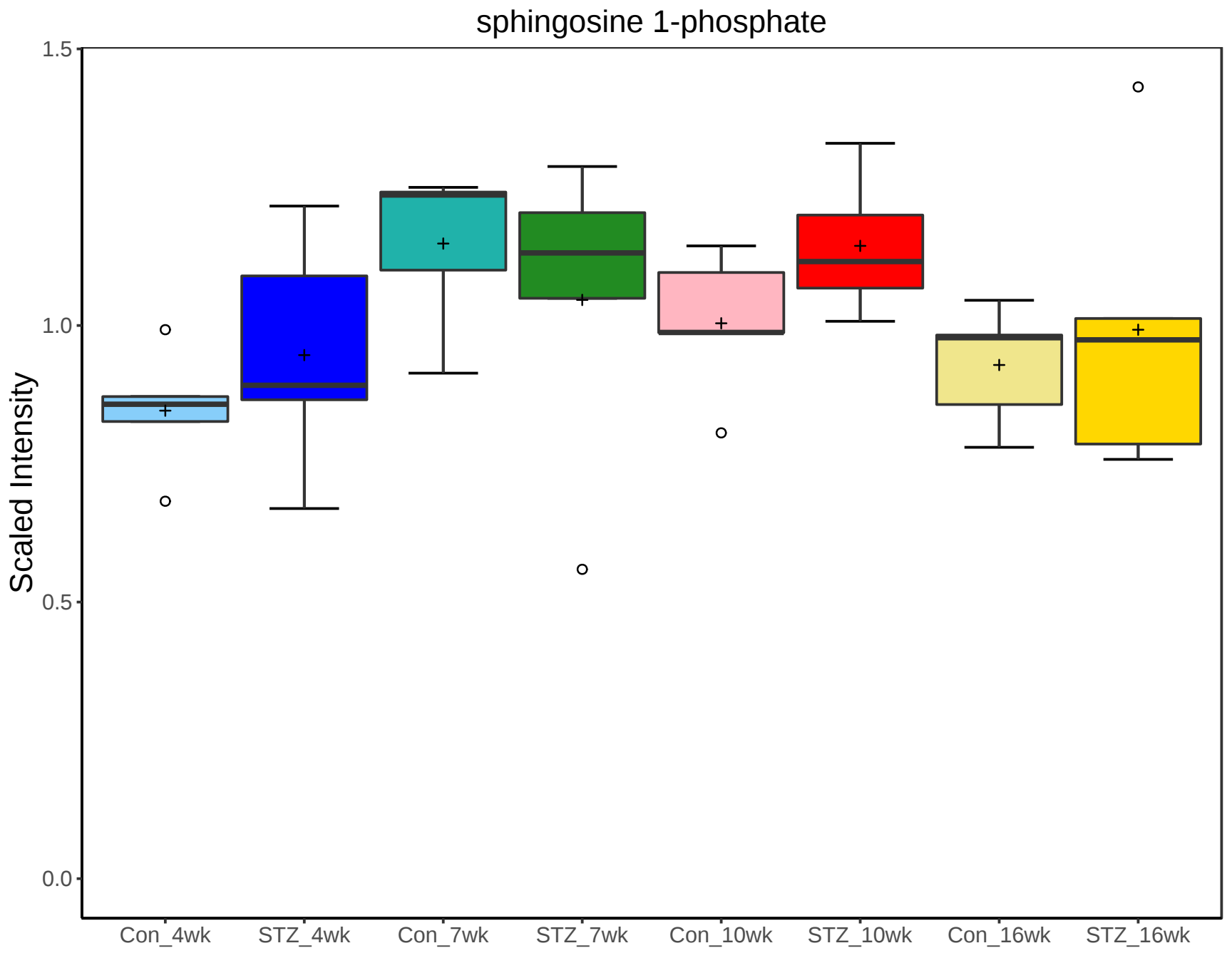

sphingomyelin (d18:2/23:0, d18:1/23:1, d17:1/24:1)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

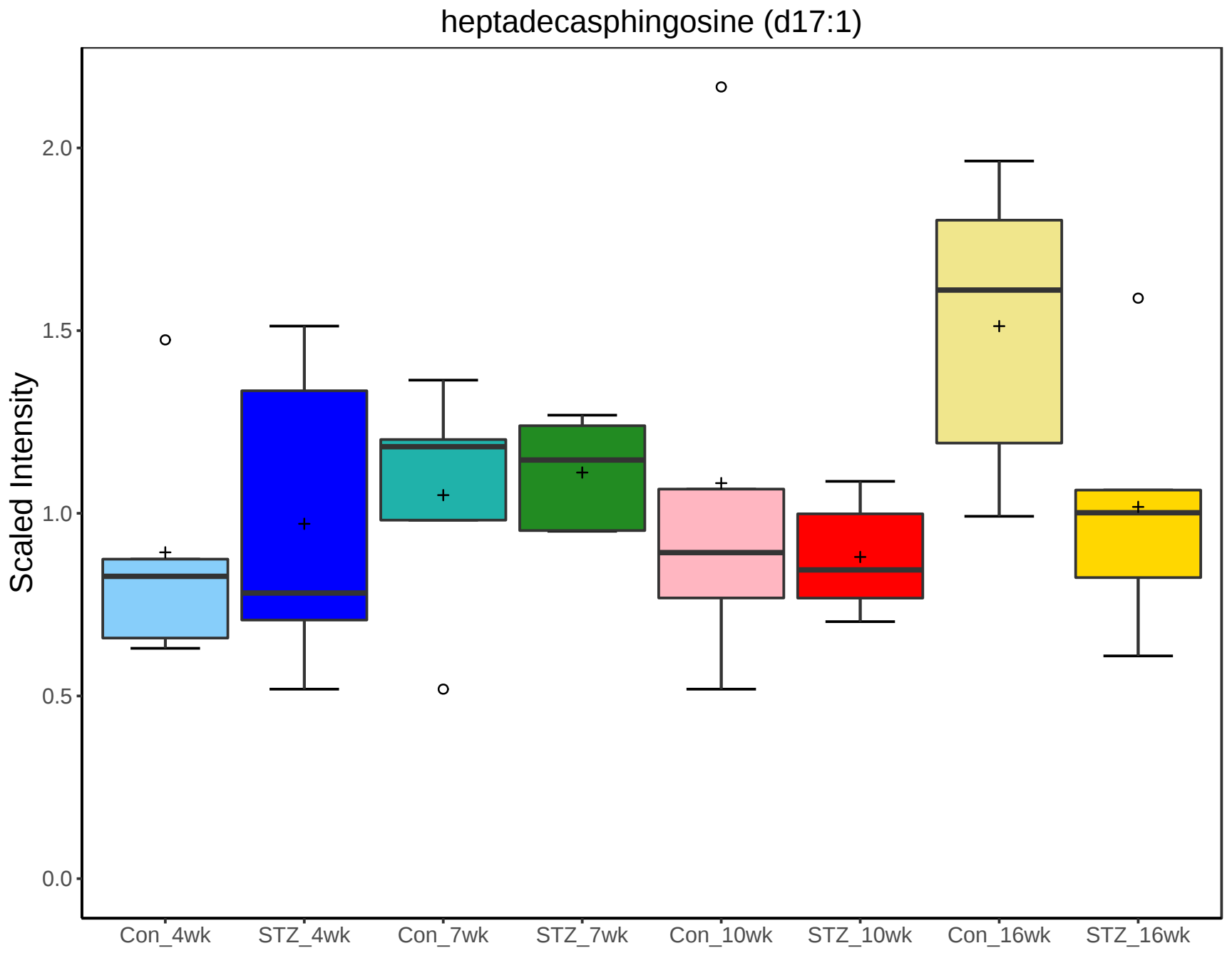

sphingomyelin (d18:1/24:1, d18:2/24:0)*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

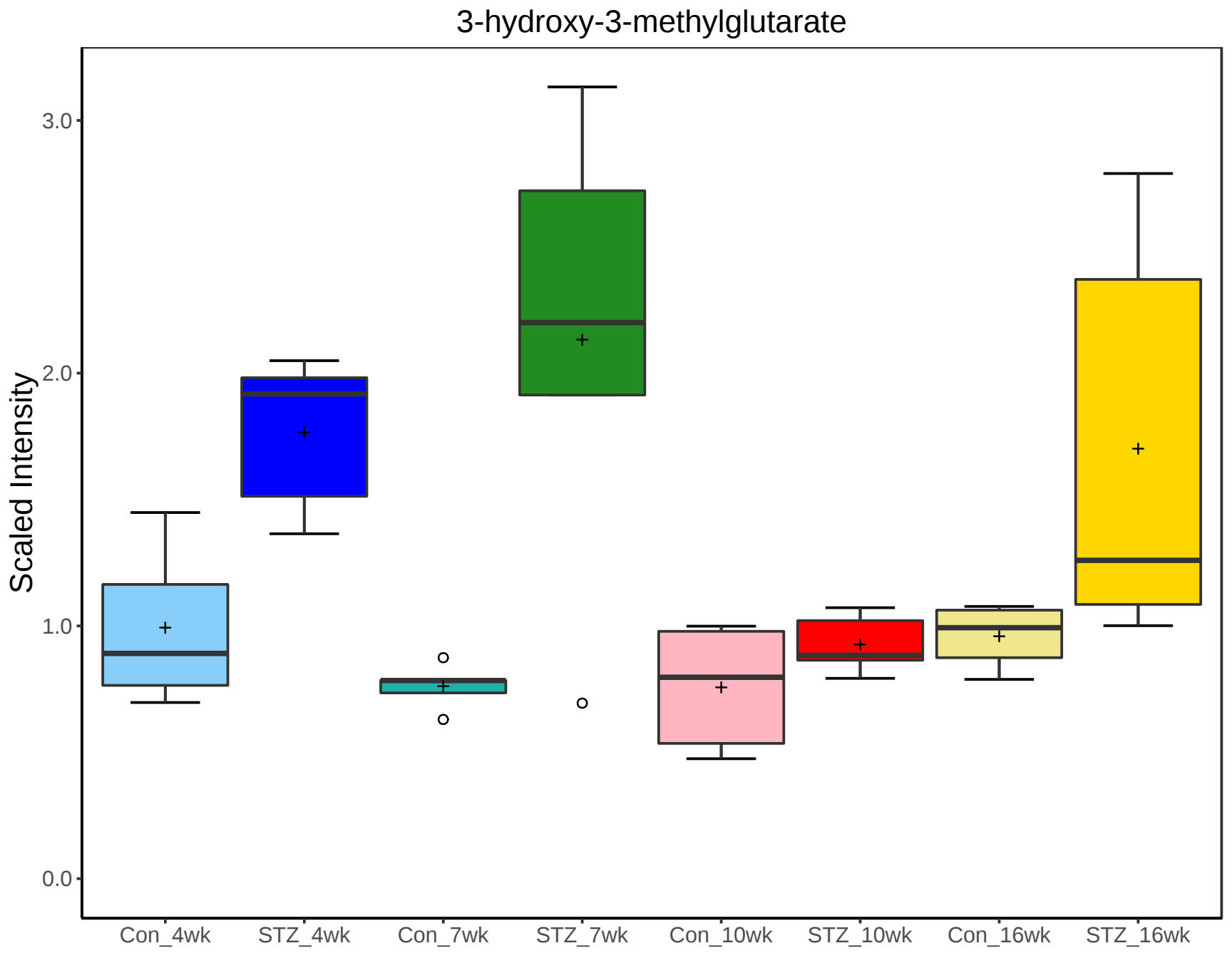

sphingomyelin (d18:2/24:1, d18:1/24:2)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

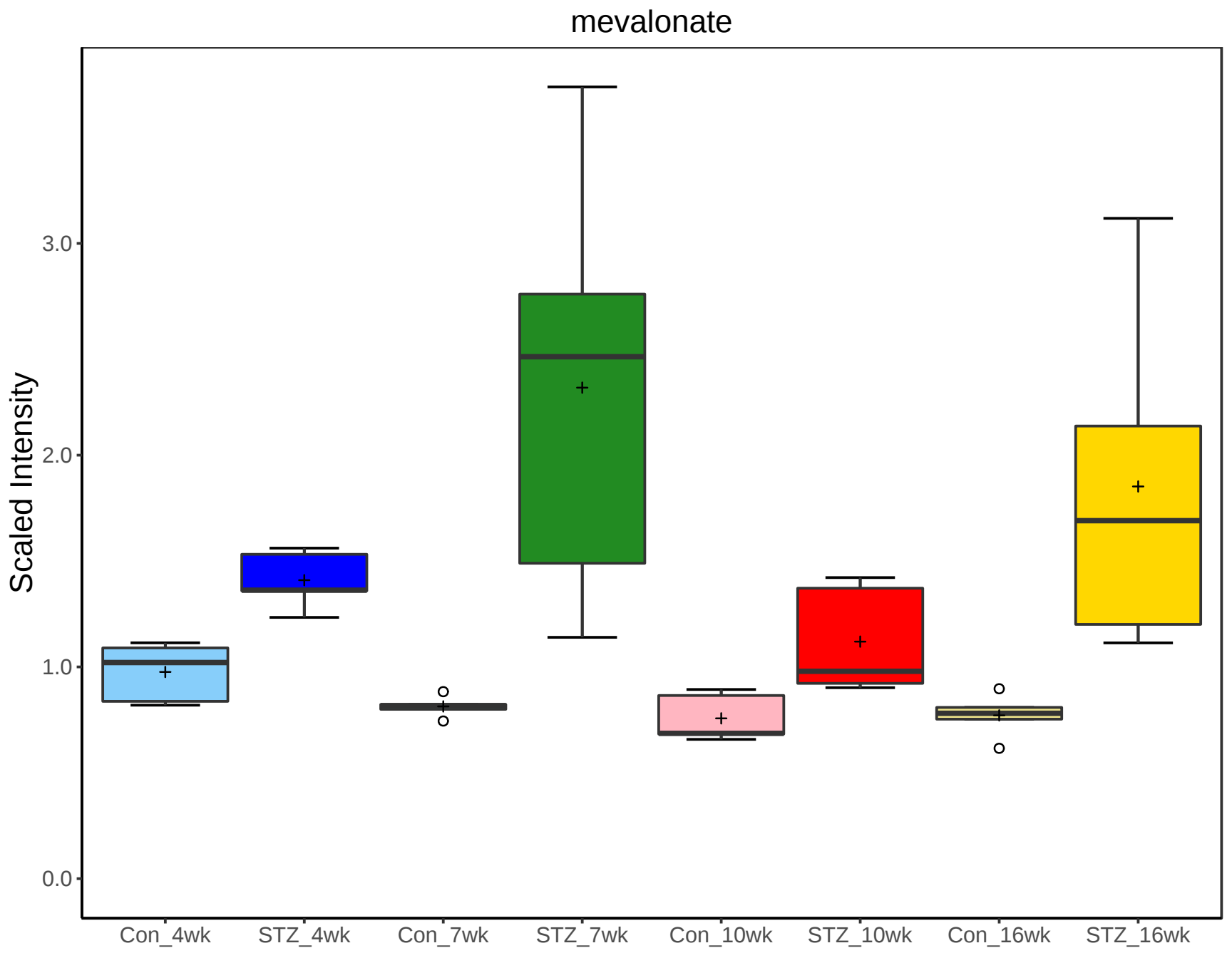

sphingomyelin (d18:1/25:0, d19:0/24:1, d20:1/23:0, d19:1/24:0)*
Scaled Intensity
0.0
0.5
1.0
1.5
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

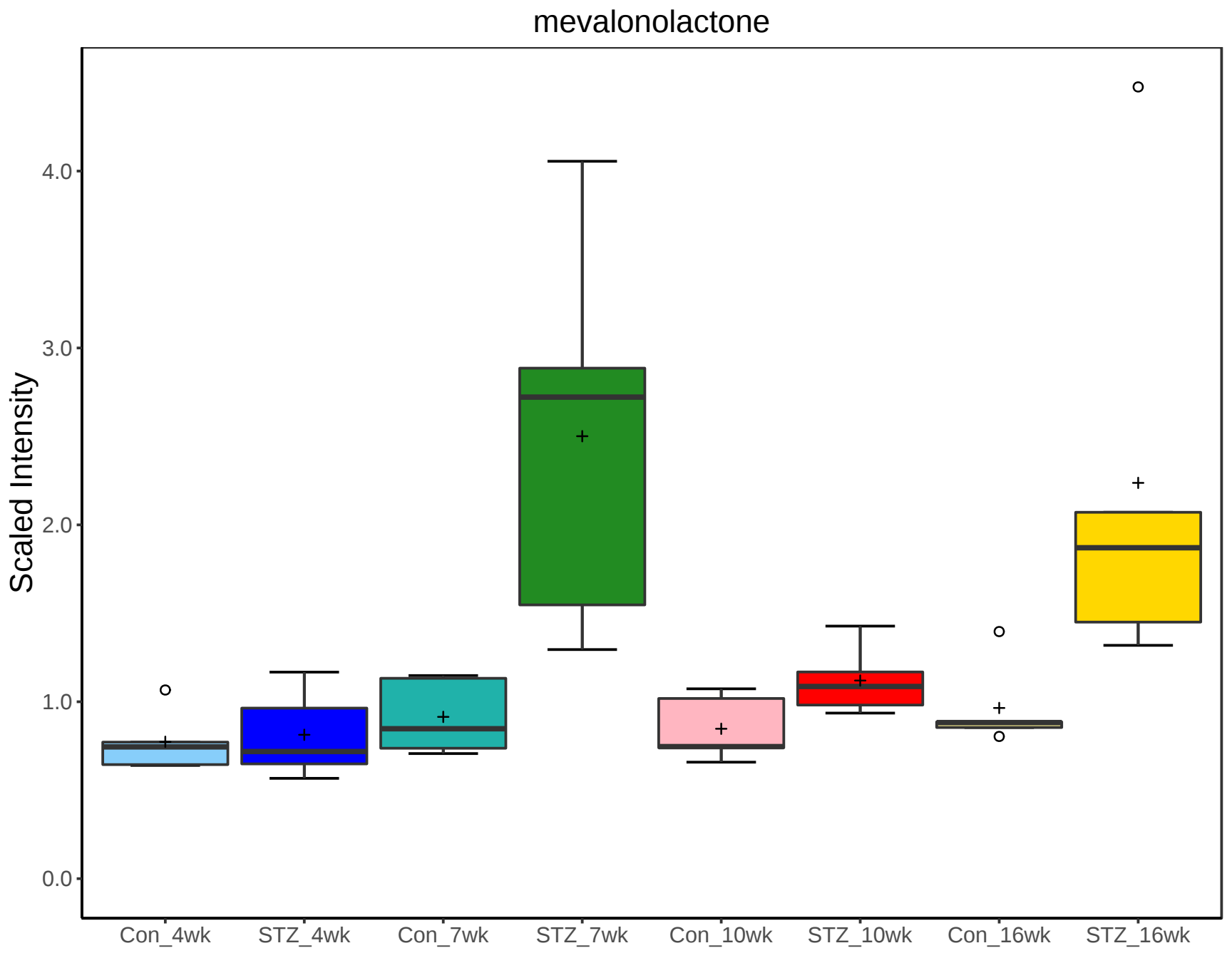

sphingosine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

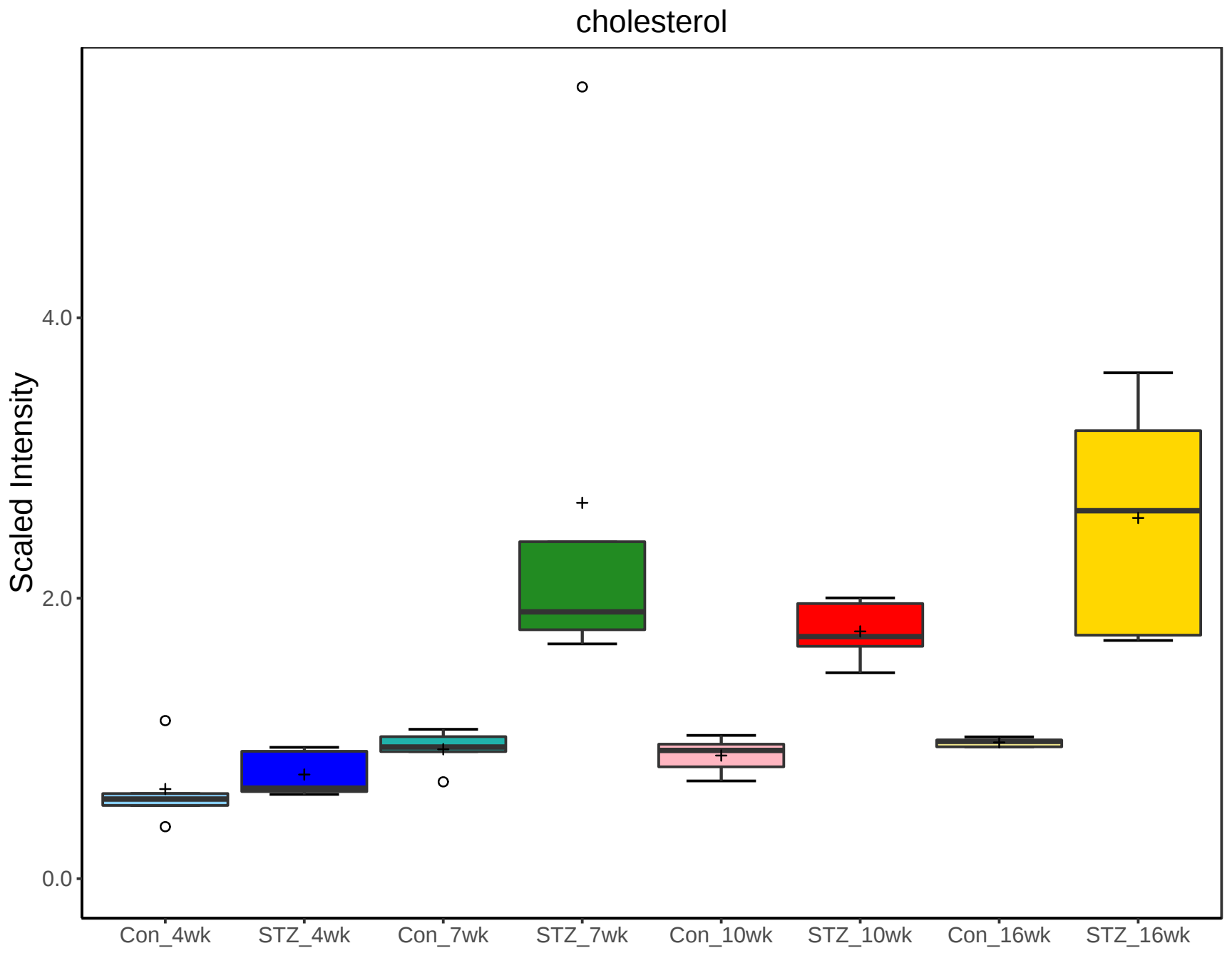

sphingosine 1-phosphate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

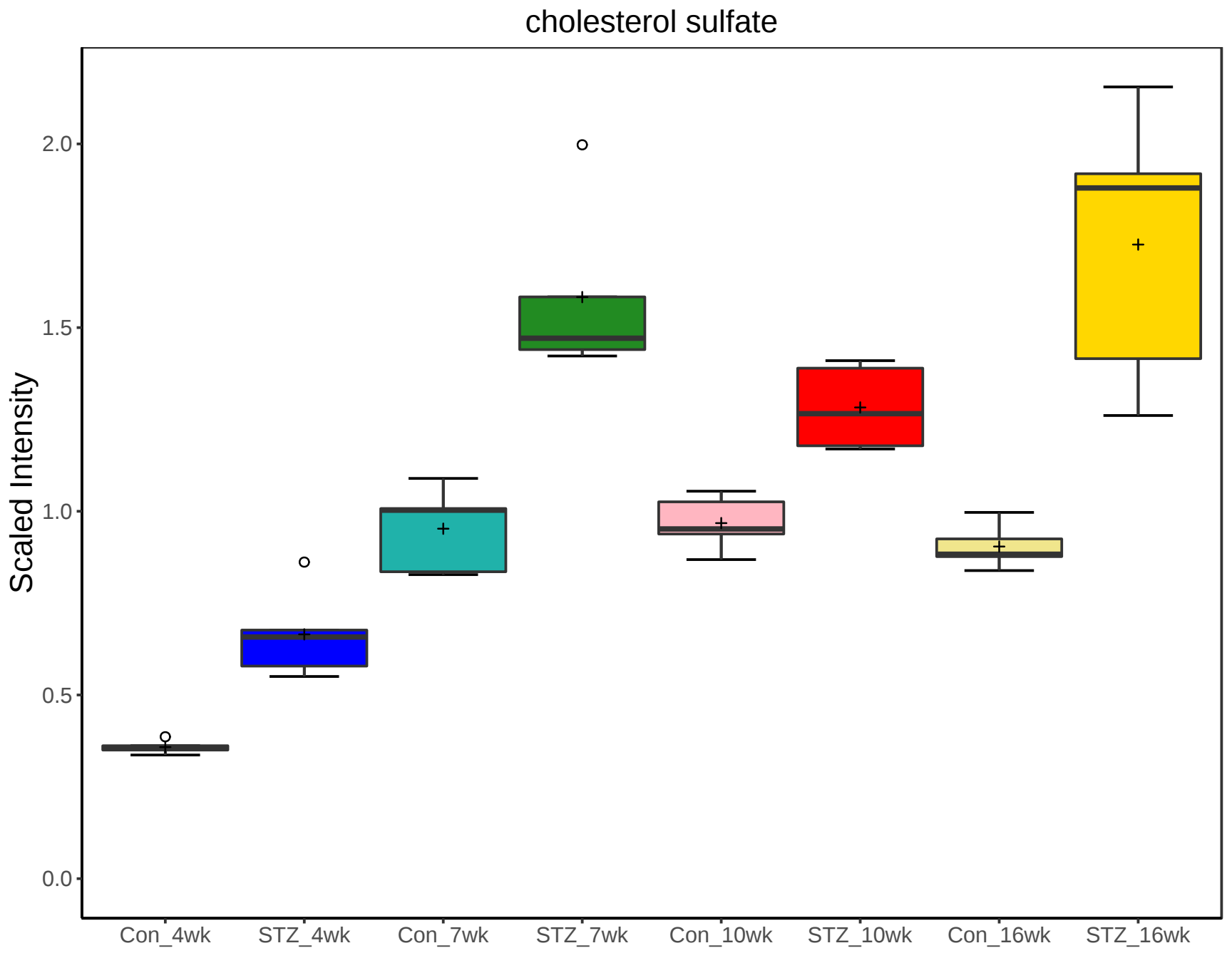

heptadecasphingosine (d17:1)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

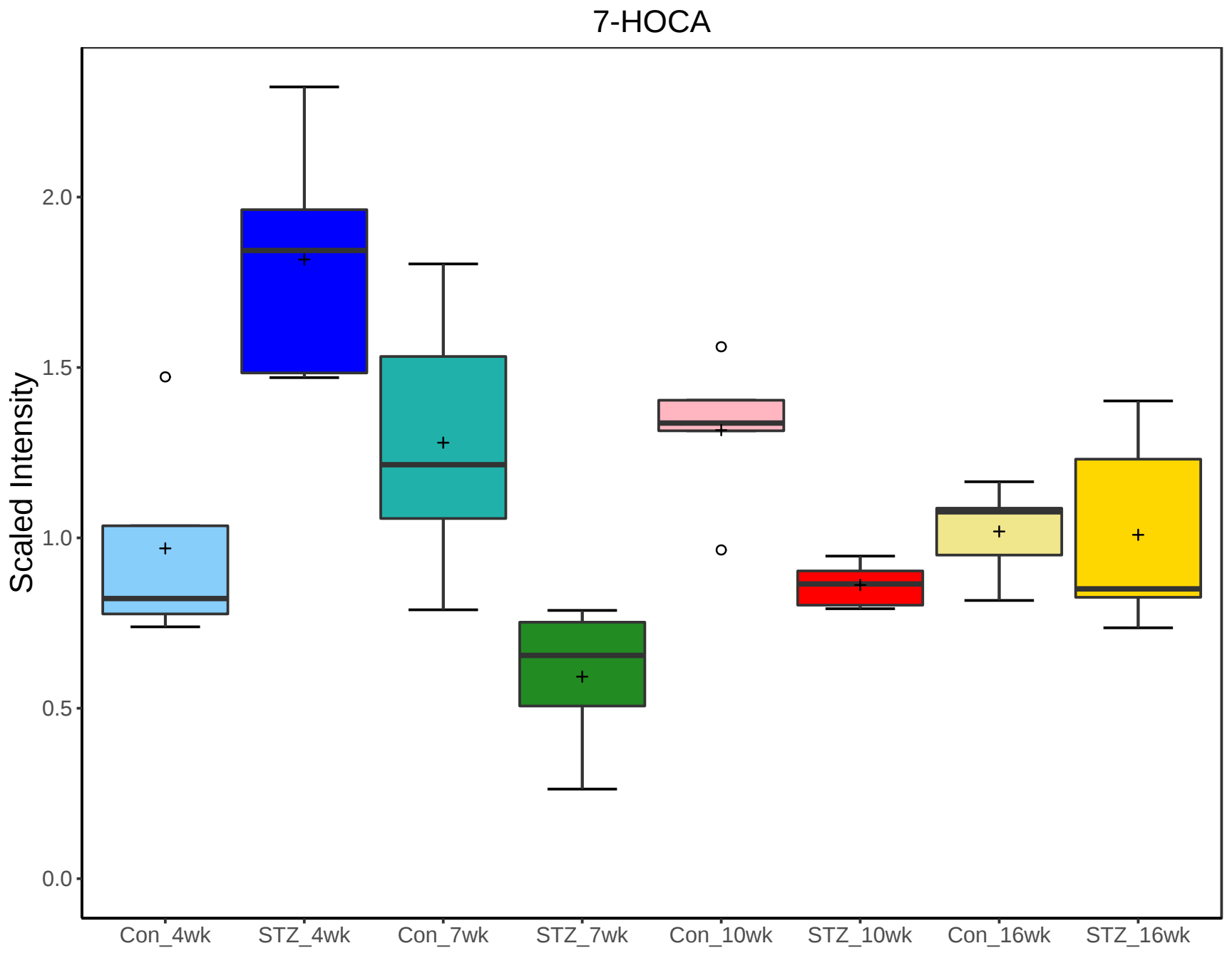

3-hydroxy-3-methylglutarate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

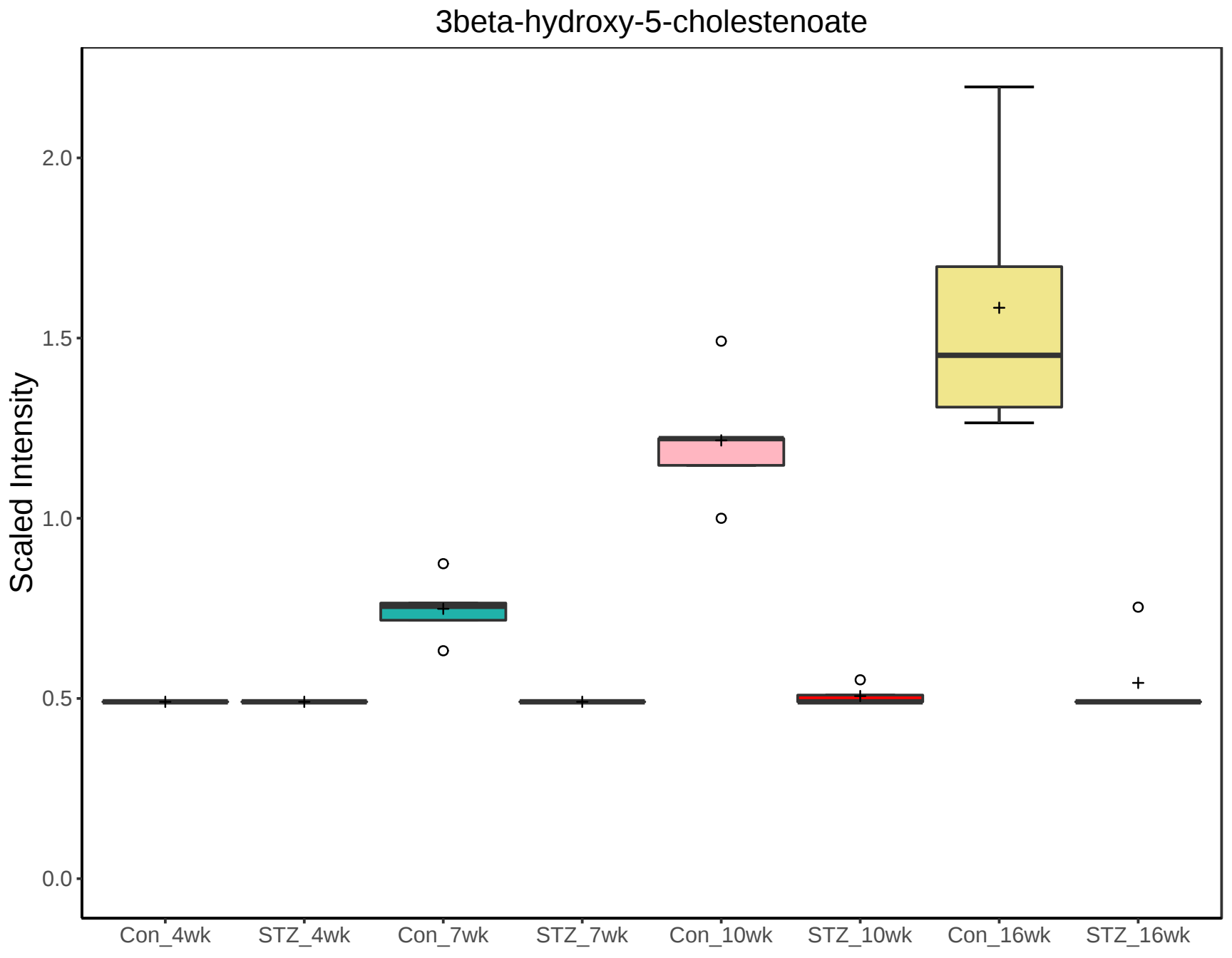

mevalonate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

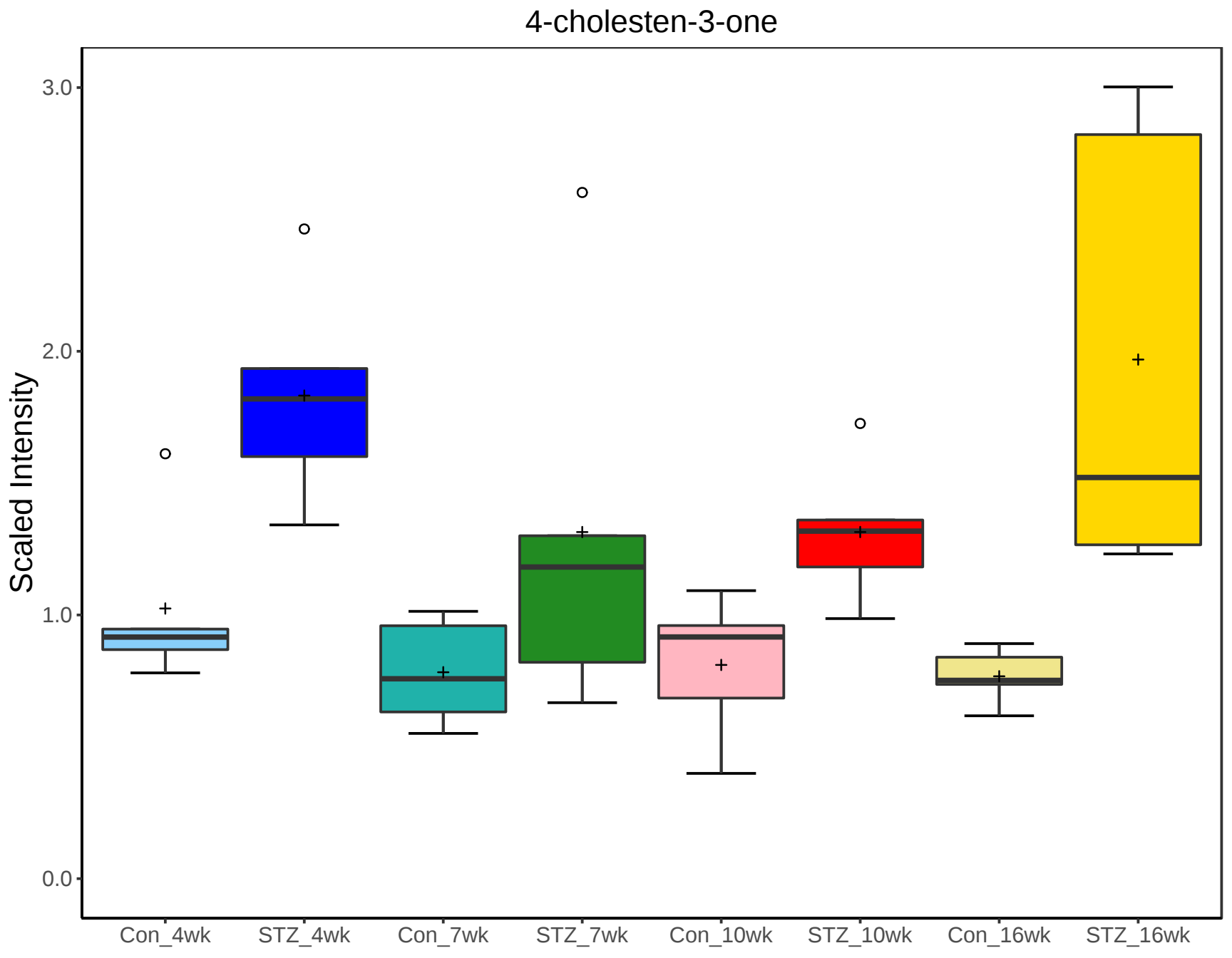

mevalonolactone
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

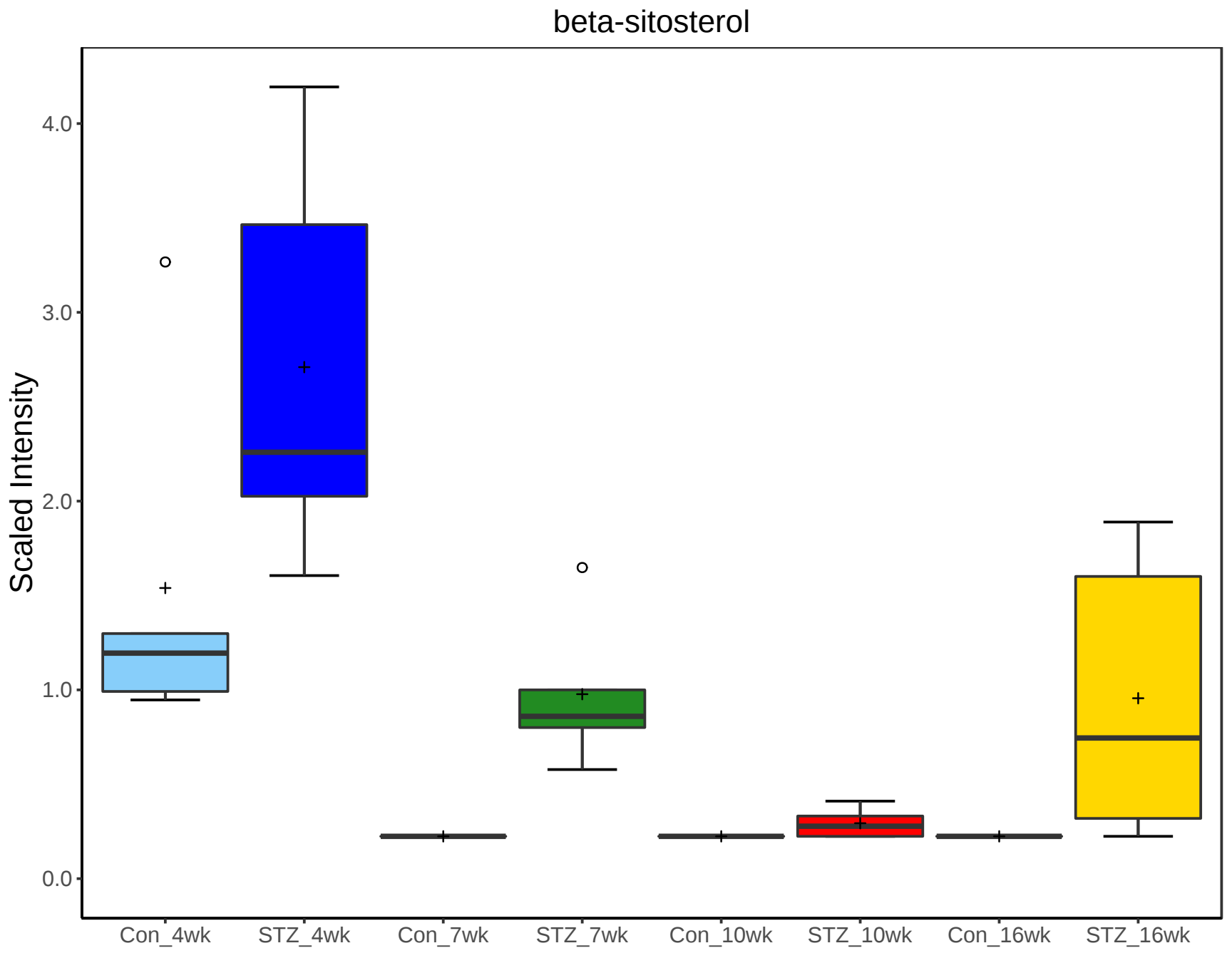

cholesterol
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

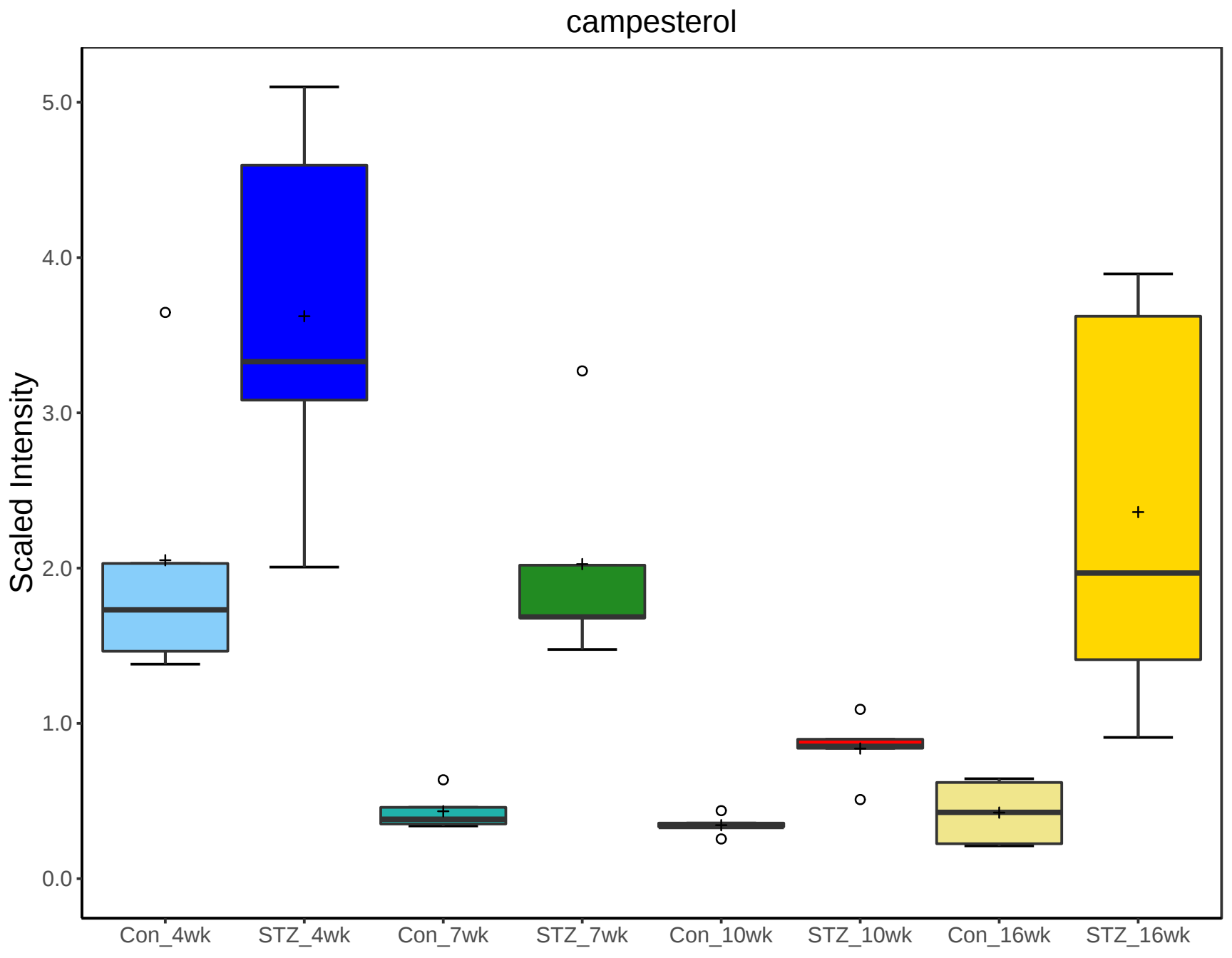

cholesterol sulfate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

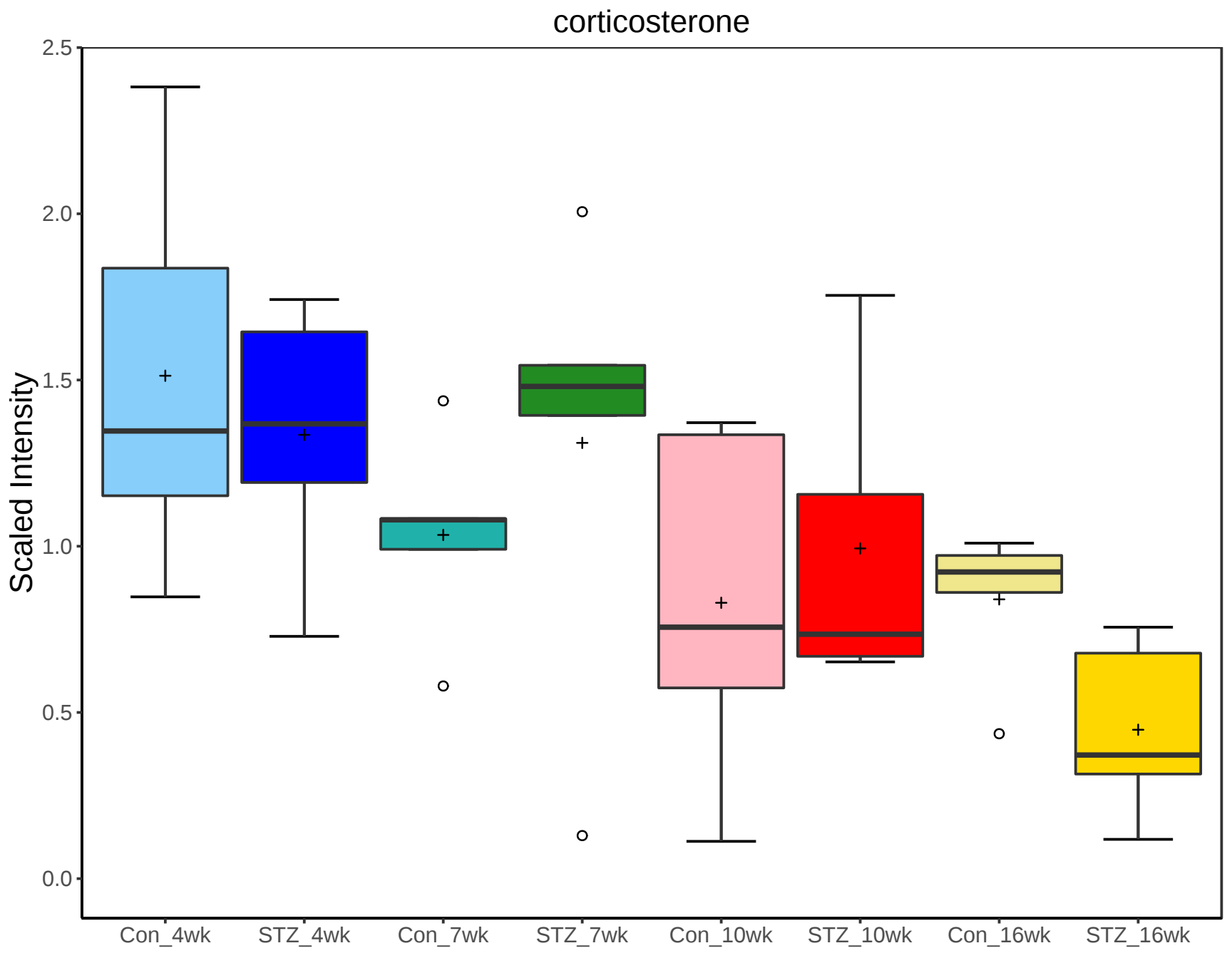

7-HOCA
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

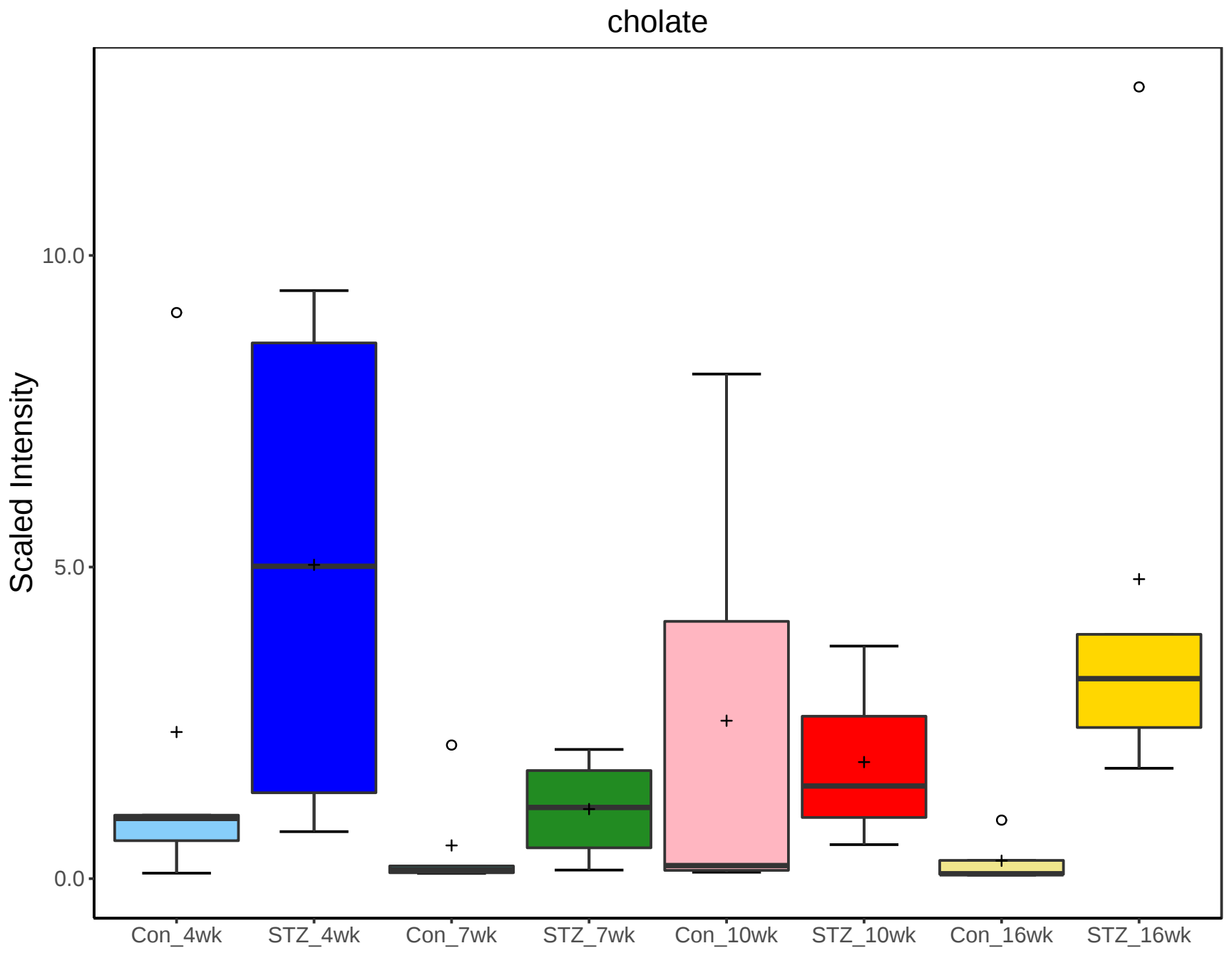

3beta-hydroxy-5-cholestenoate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

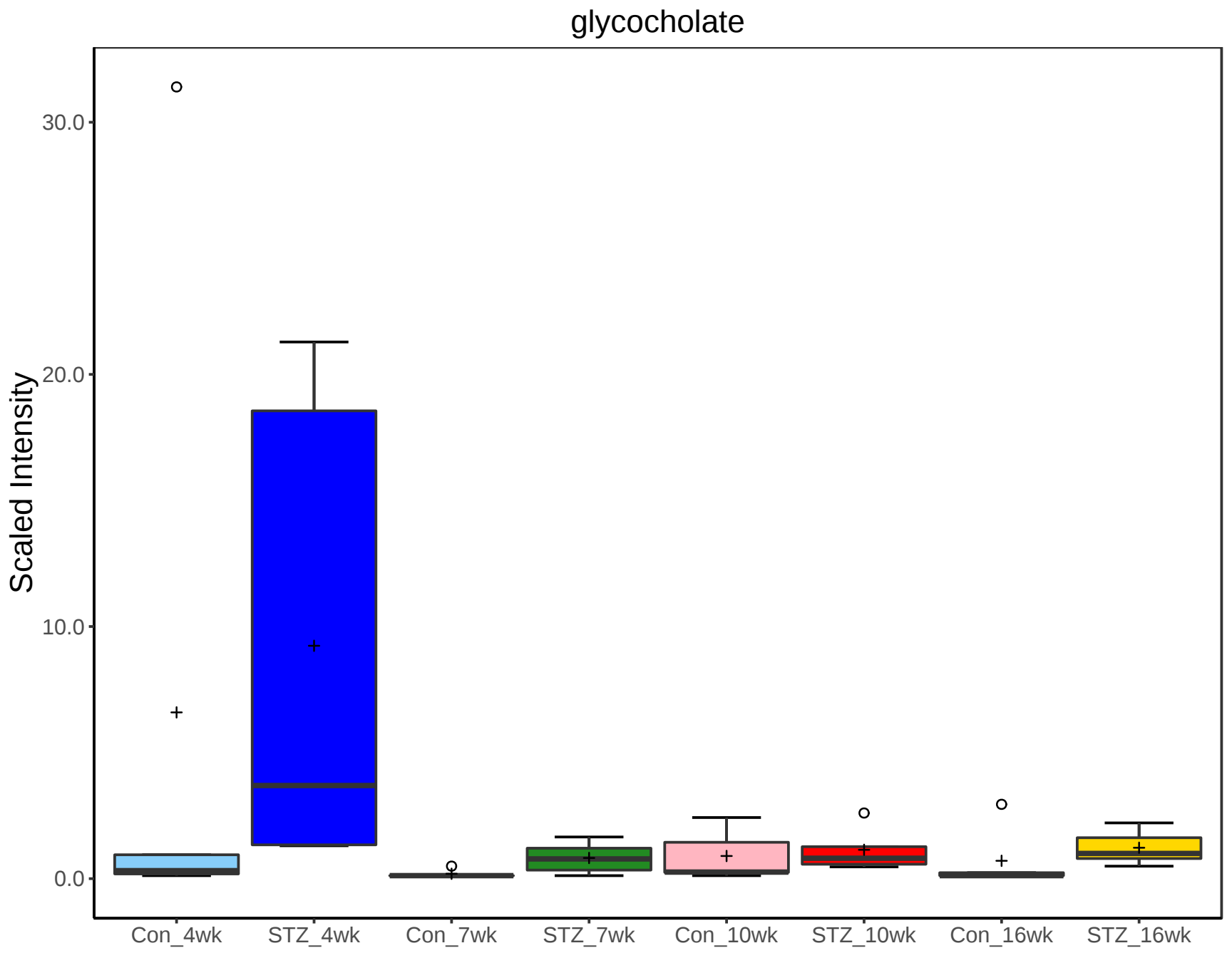

4-cholesten-3-one
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

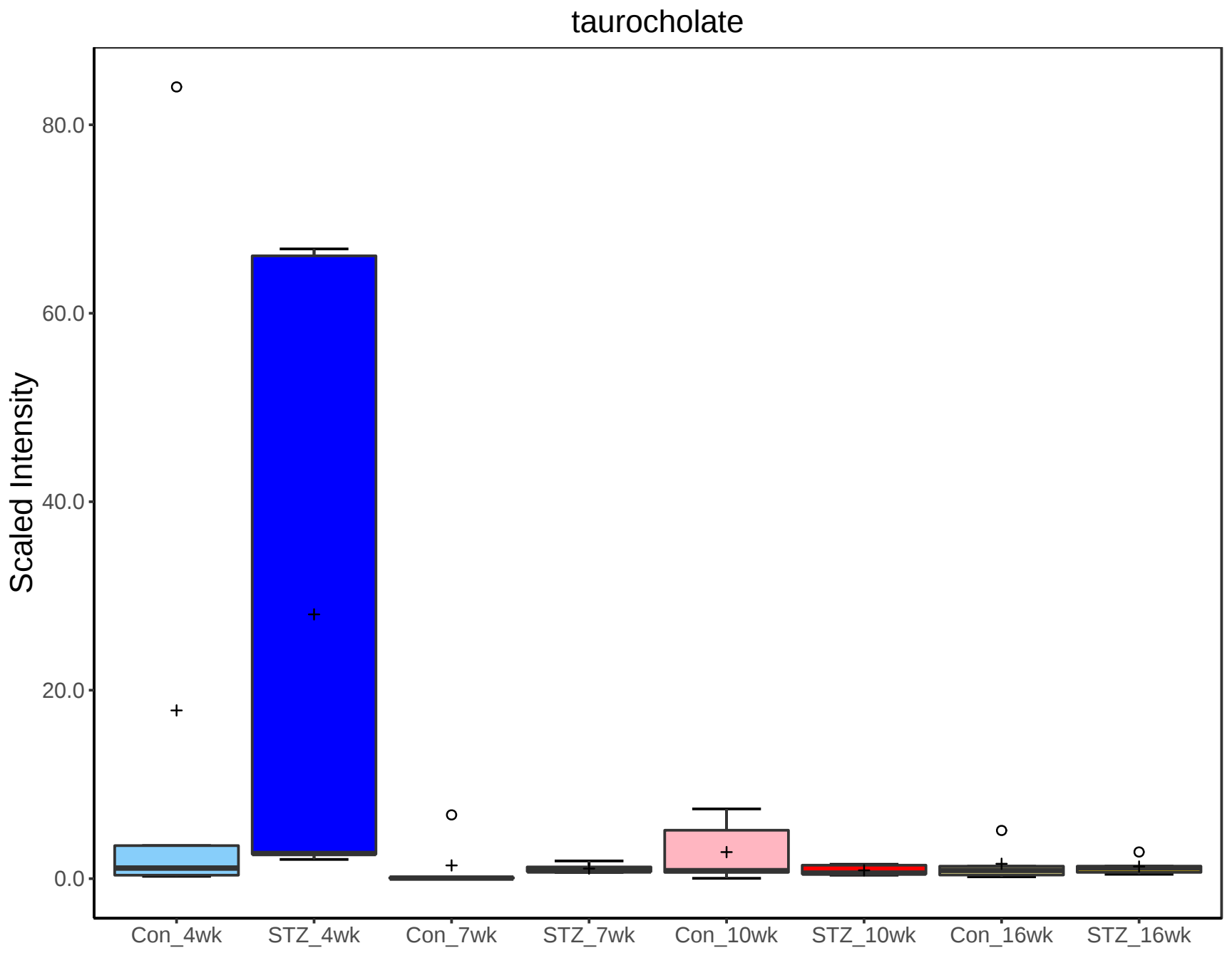

beta-sitosterol
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

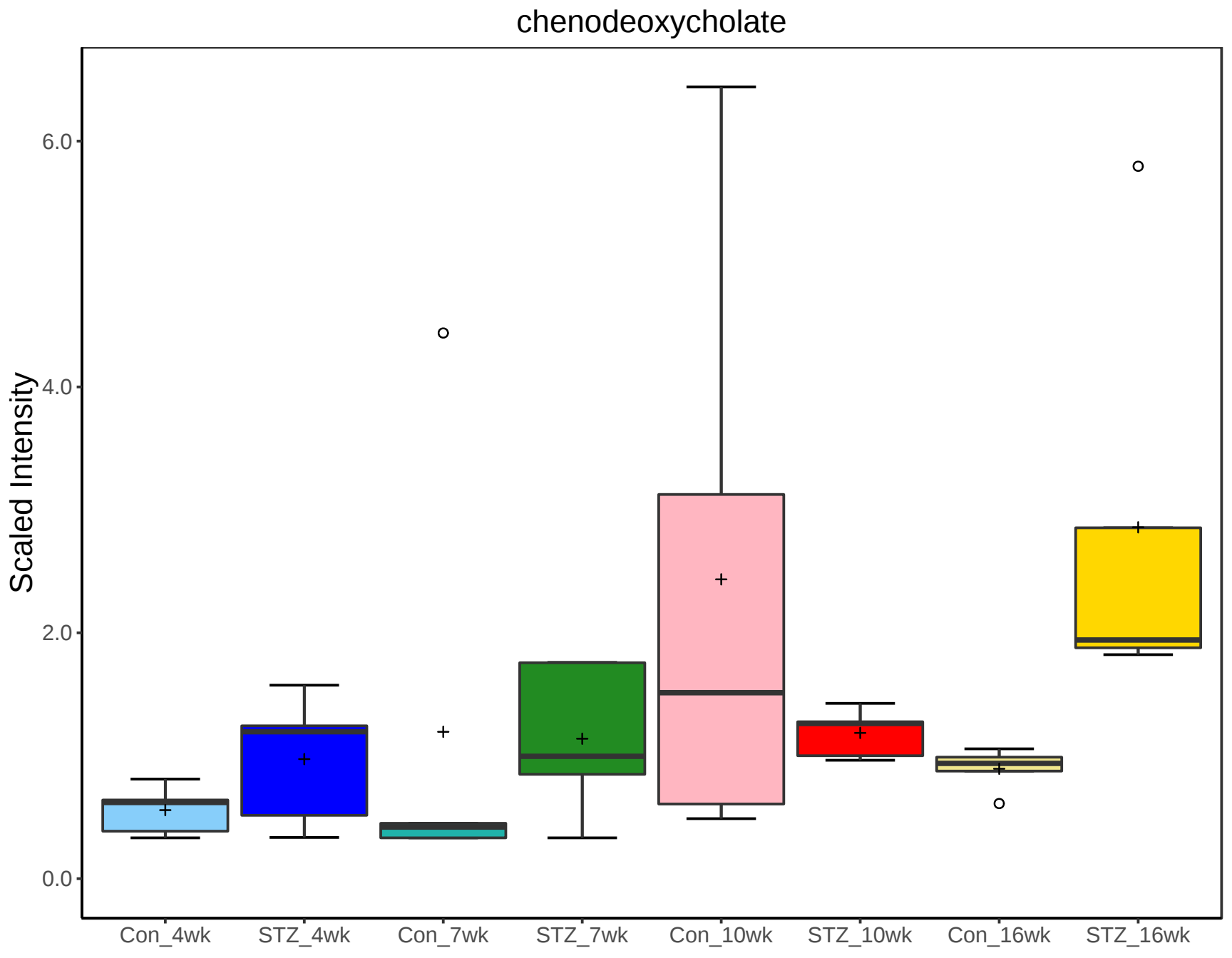

campesterol
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

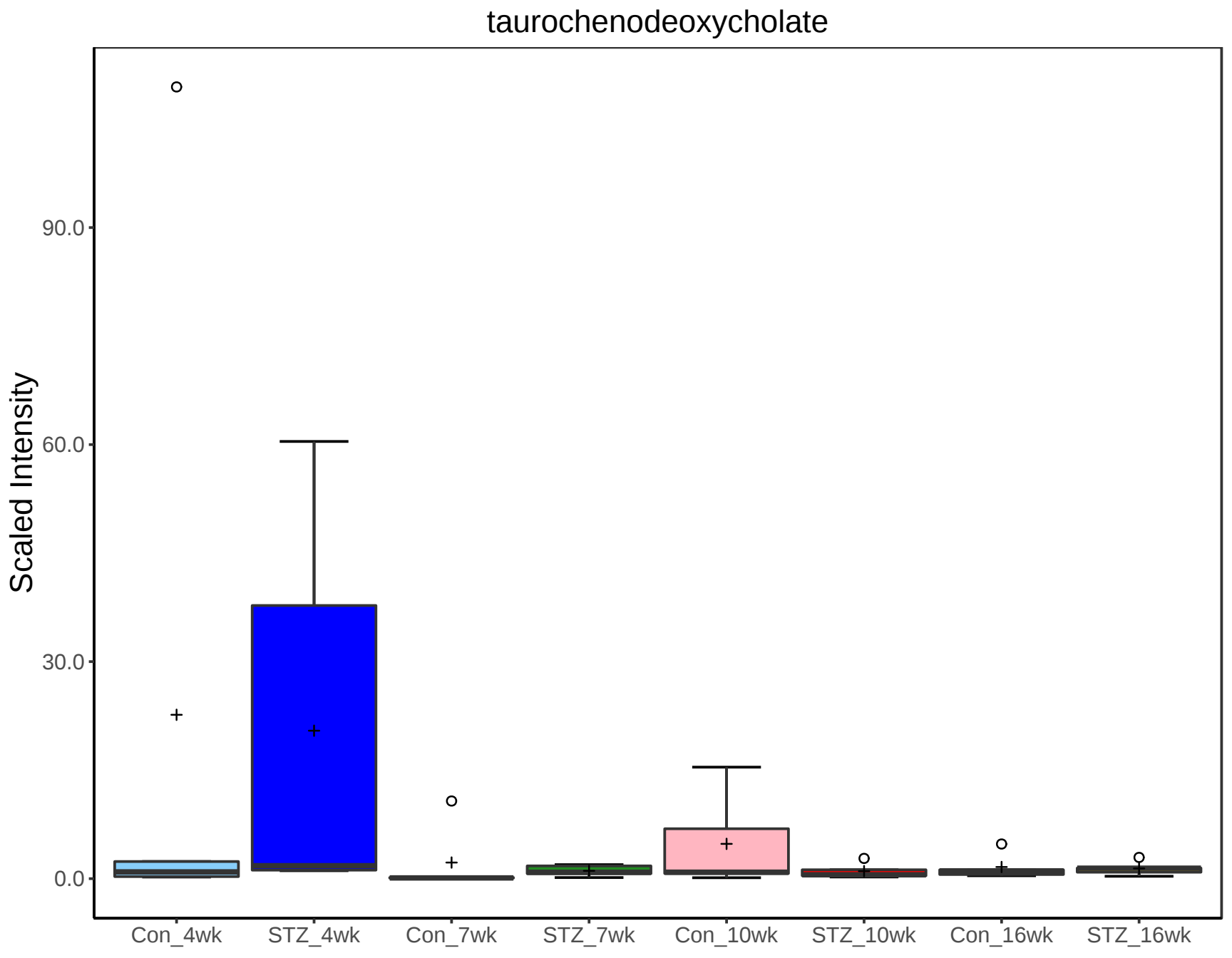

corticosterone
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

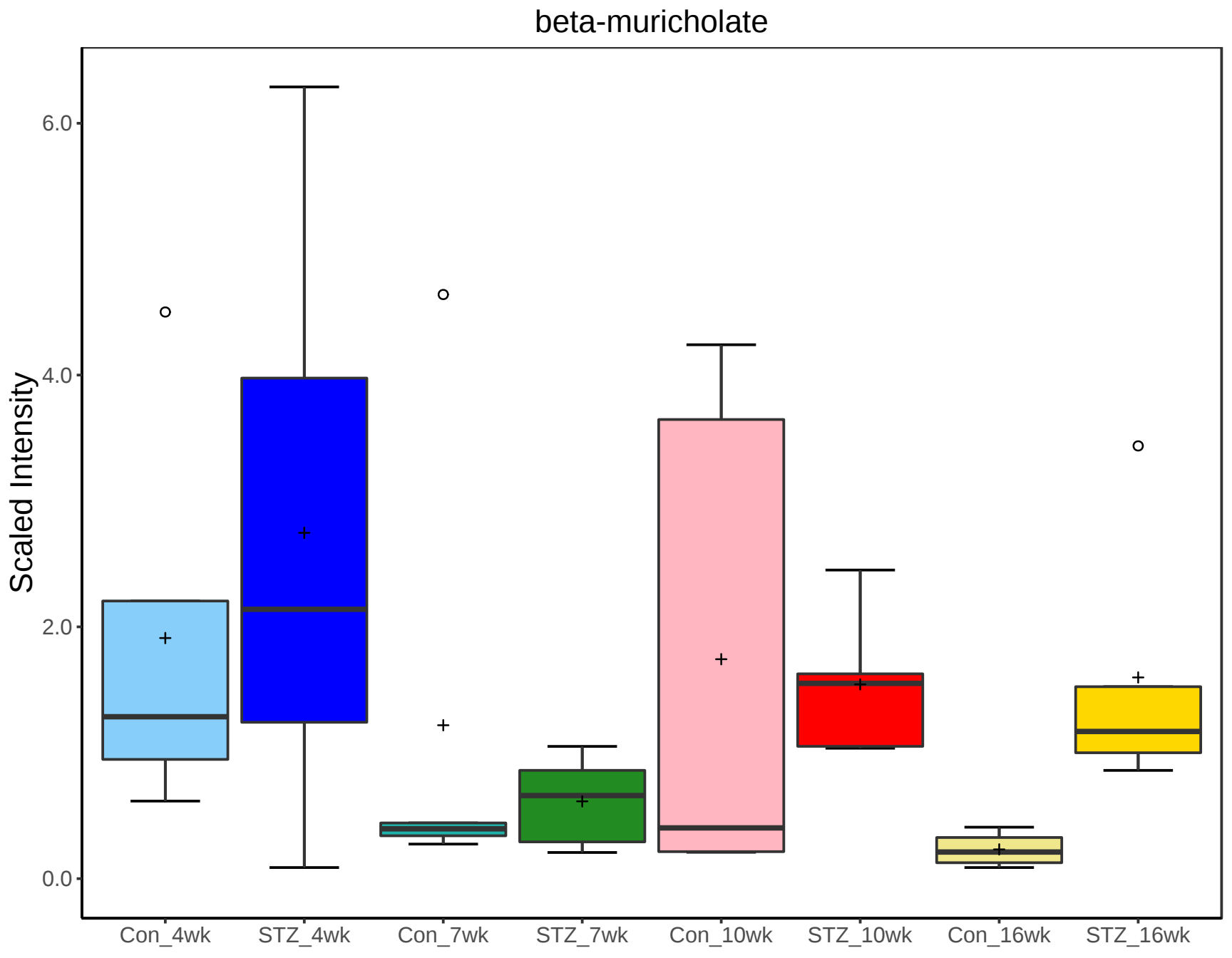

cholate
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

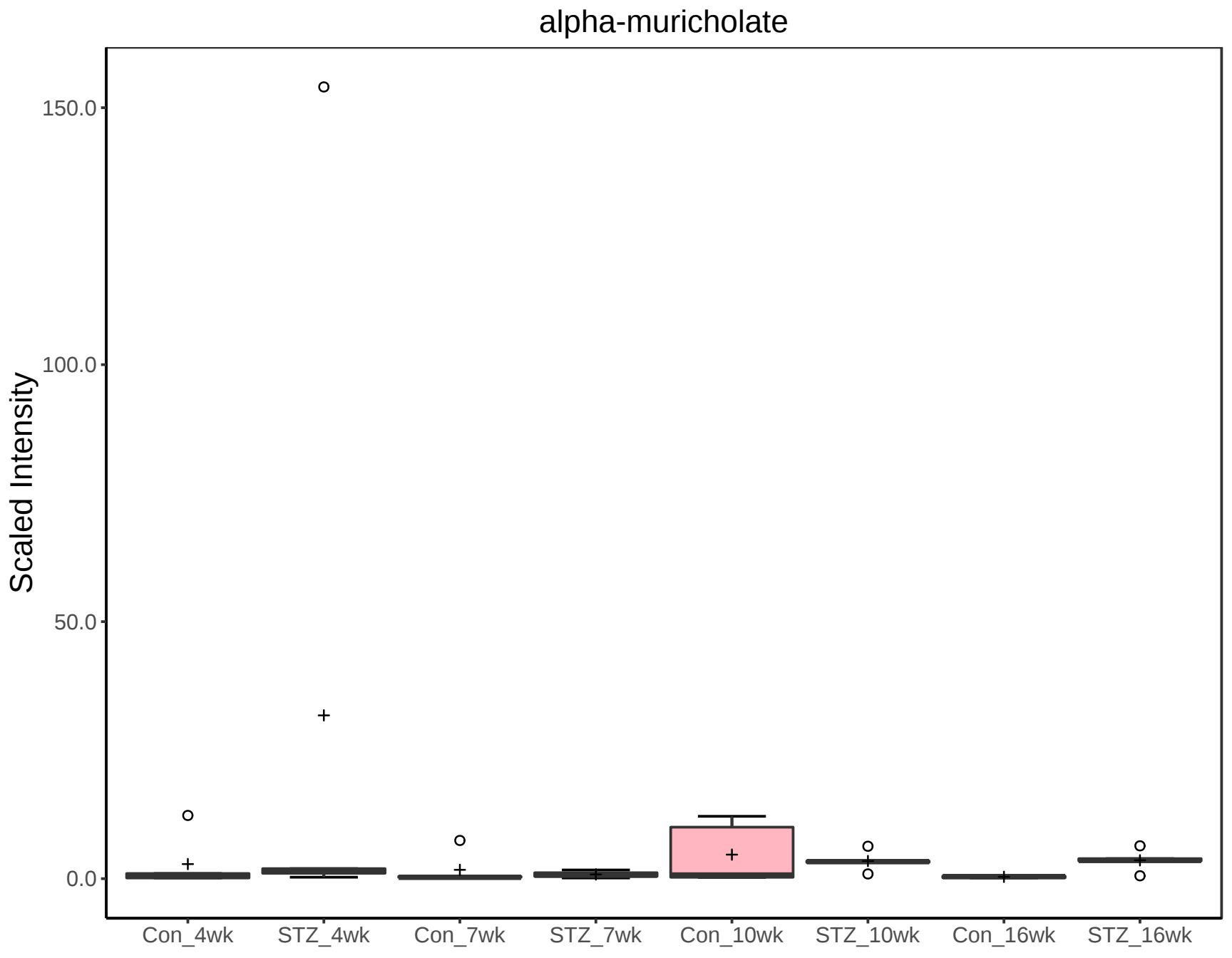

glycocholate
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

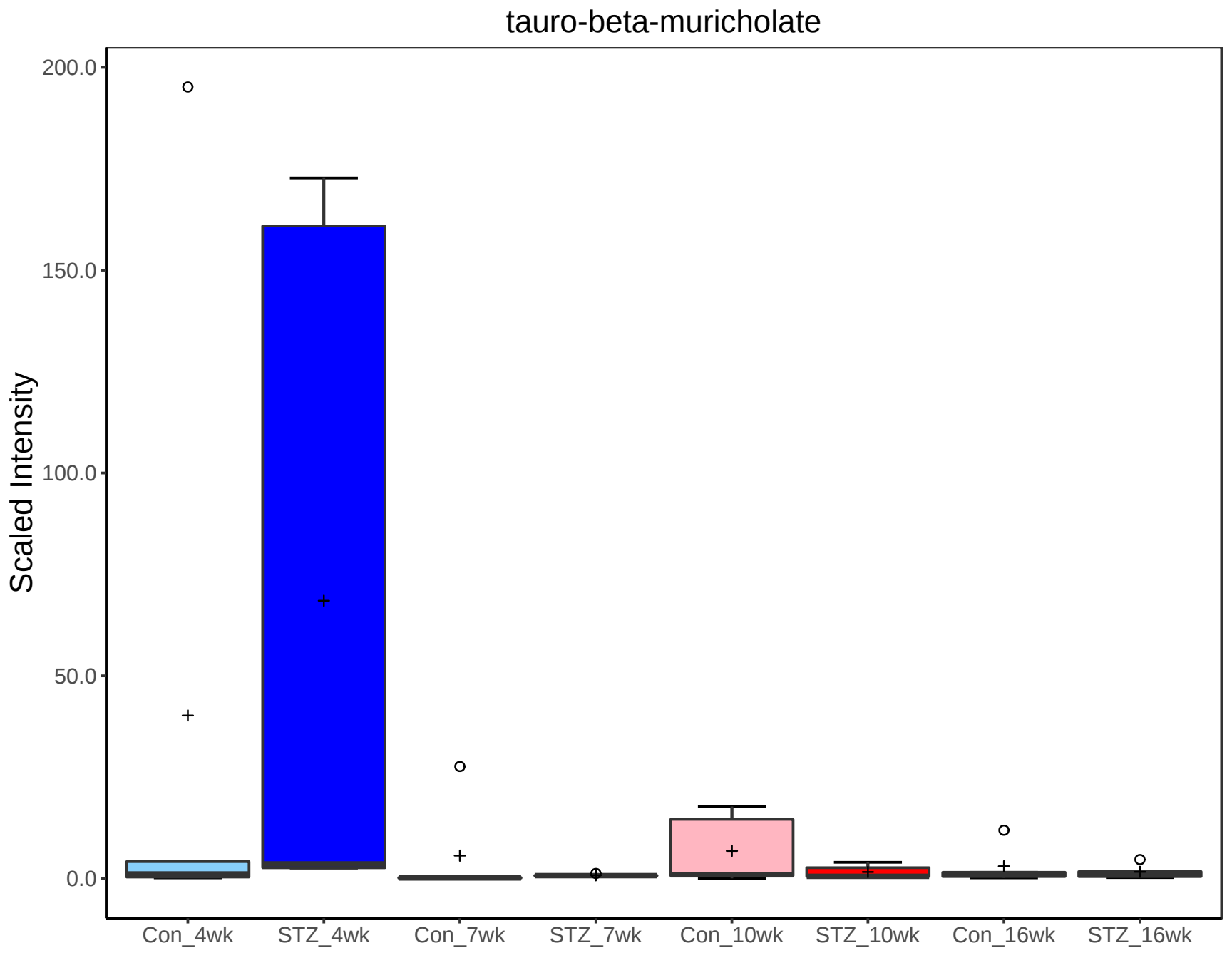

taurocholate
Scaled Intensity
80.0
60.0
40.0
20.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

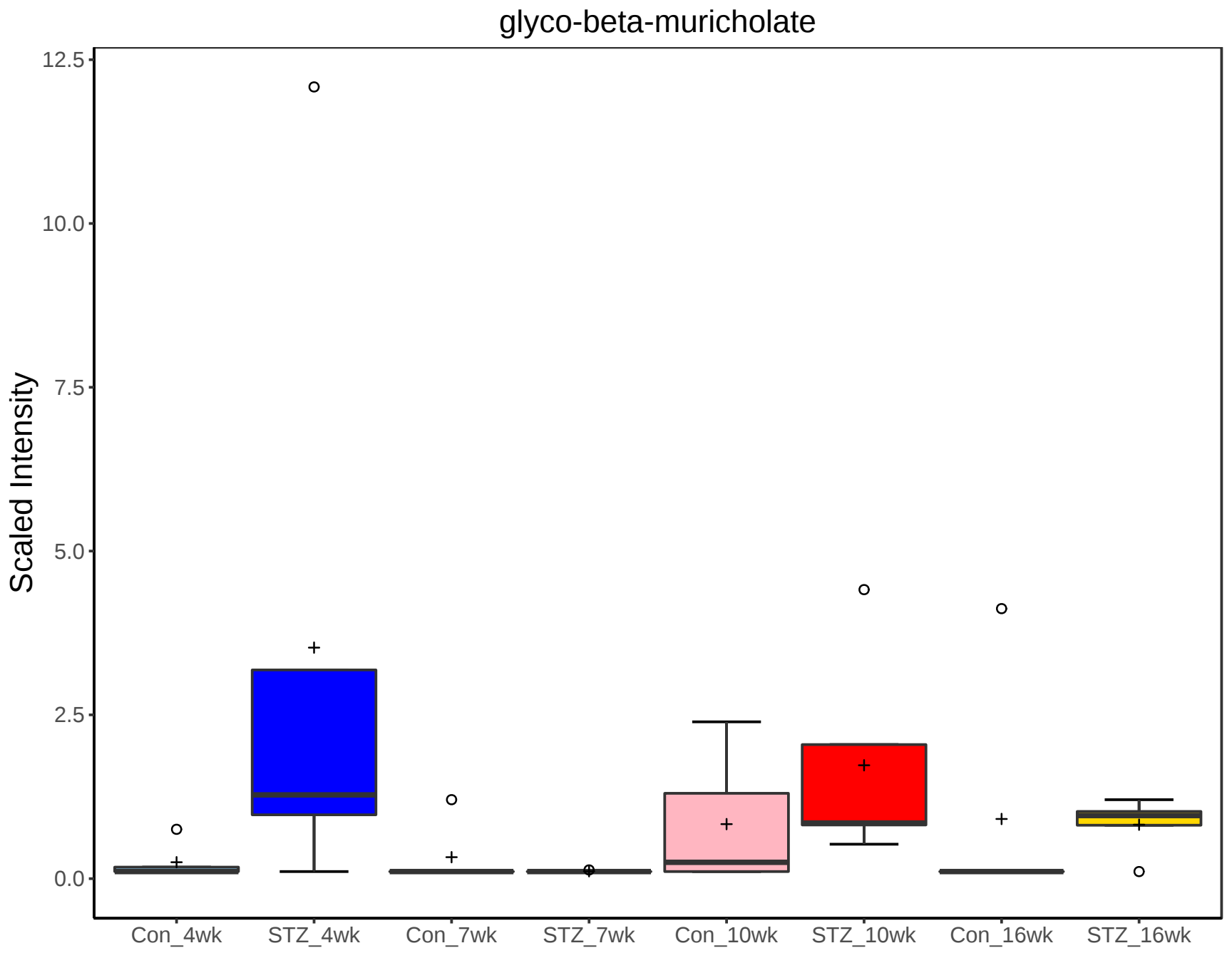

chenodeoxycholate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

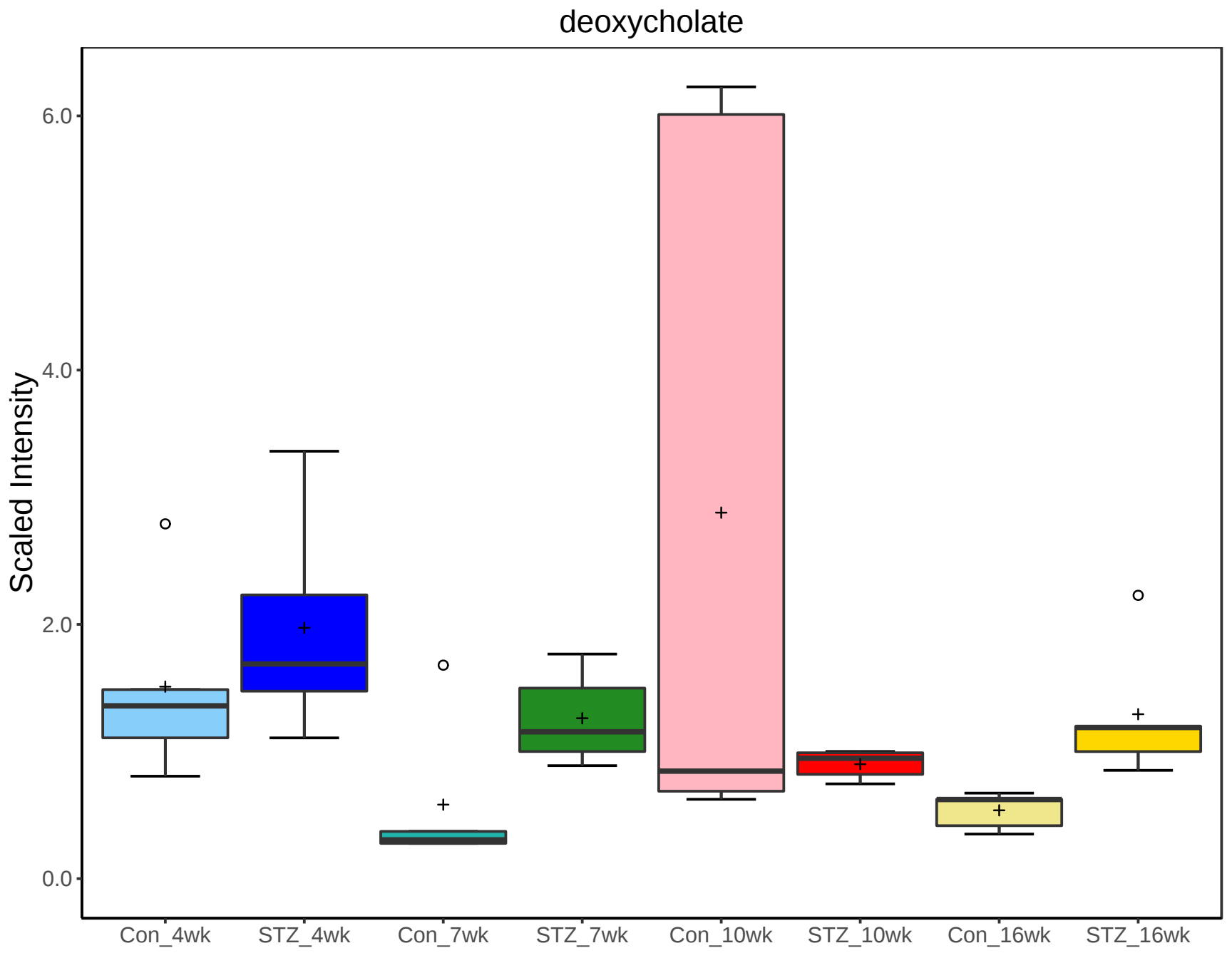

taurochenodeoxycholate
Scaled Intensity
90.0
60.0
30.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

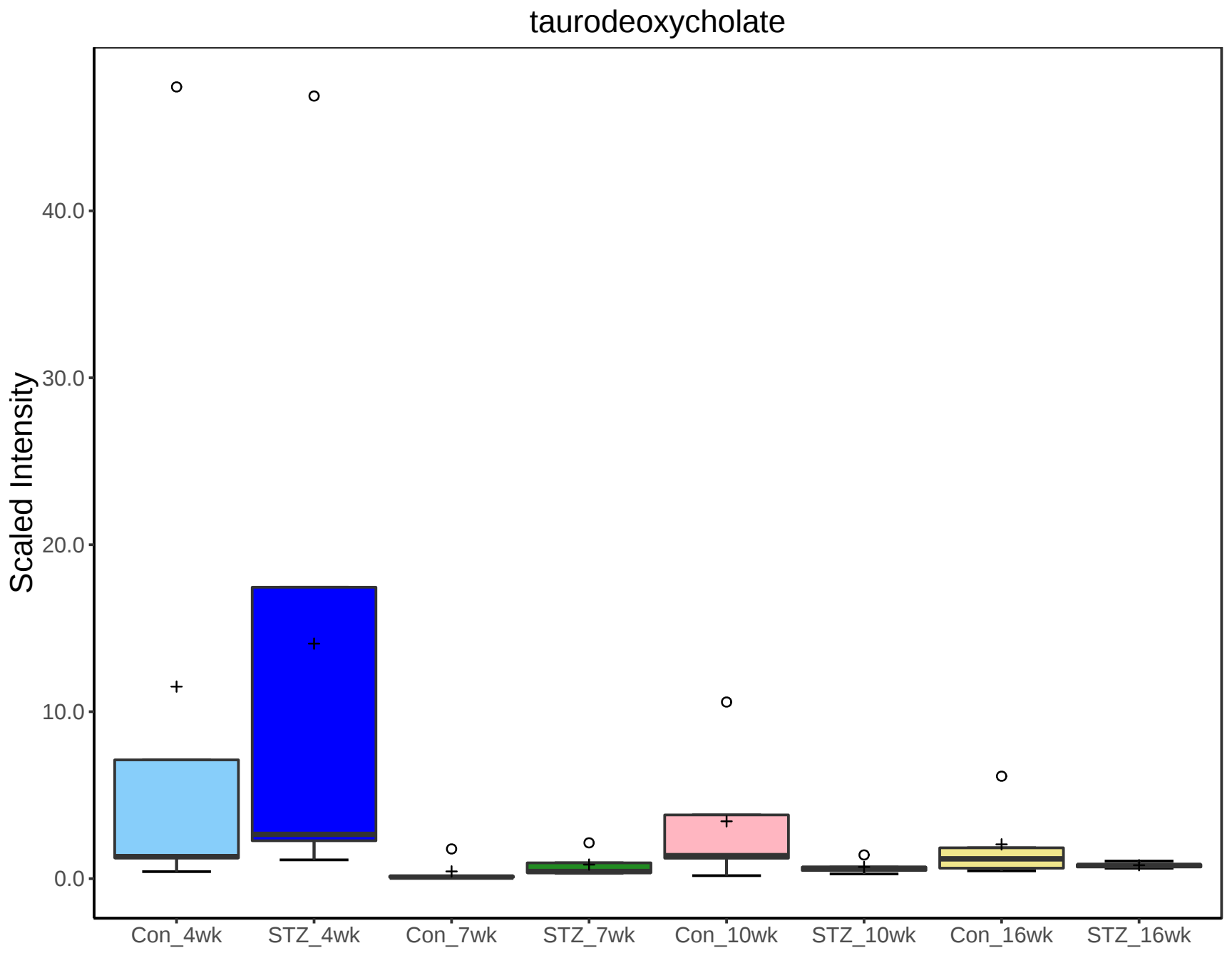

beta-muricholate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

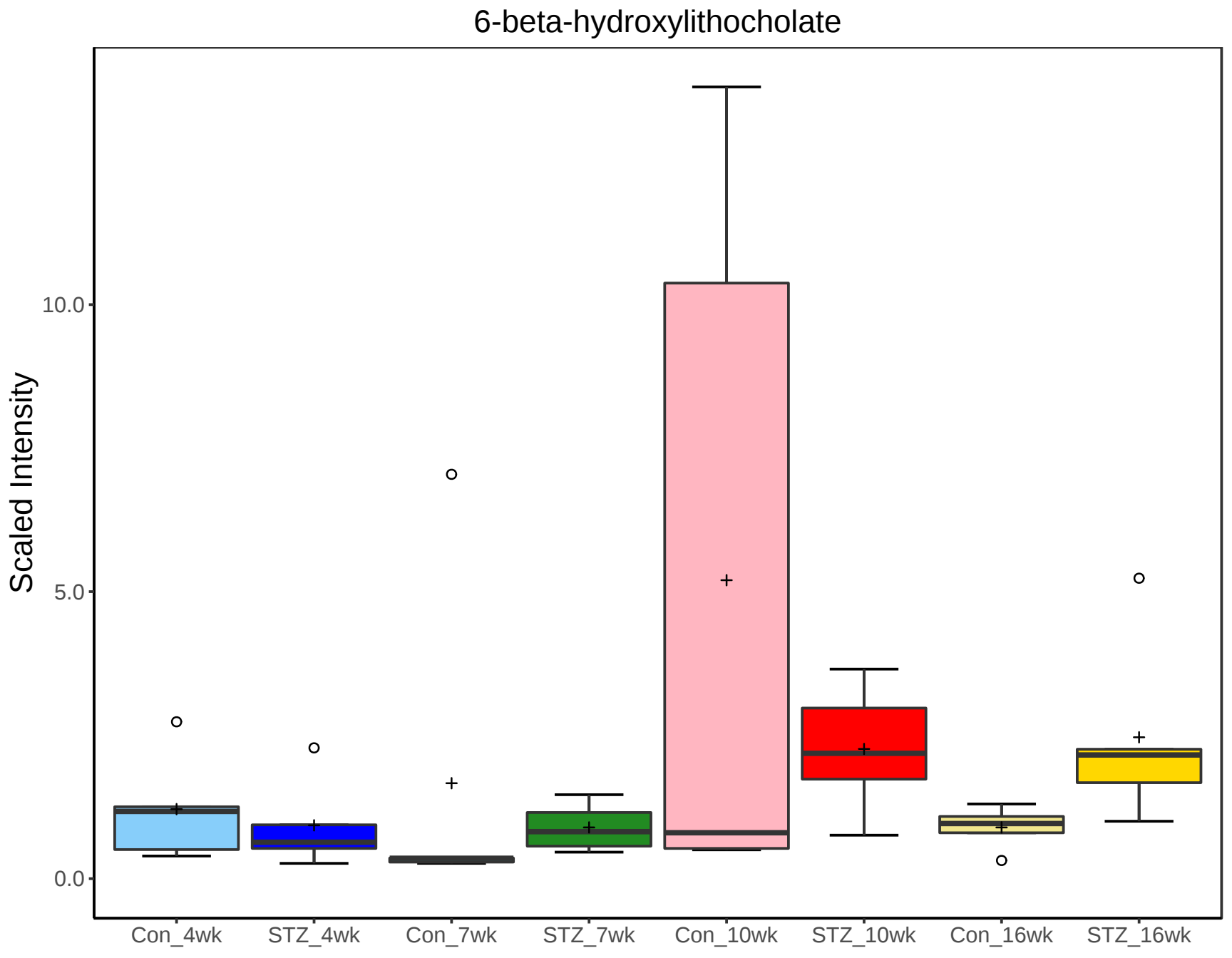

alpha-muricholate
Scaled Intensity
150.0
100.0
50.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

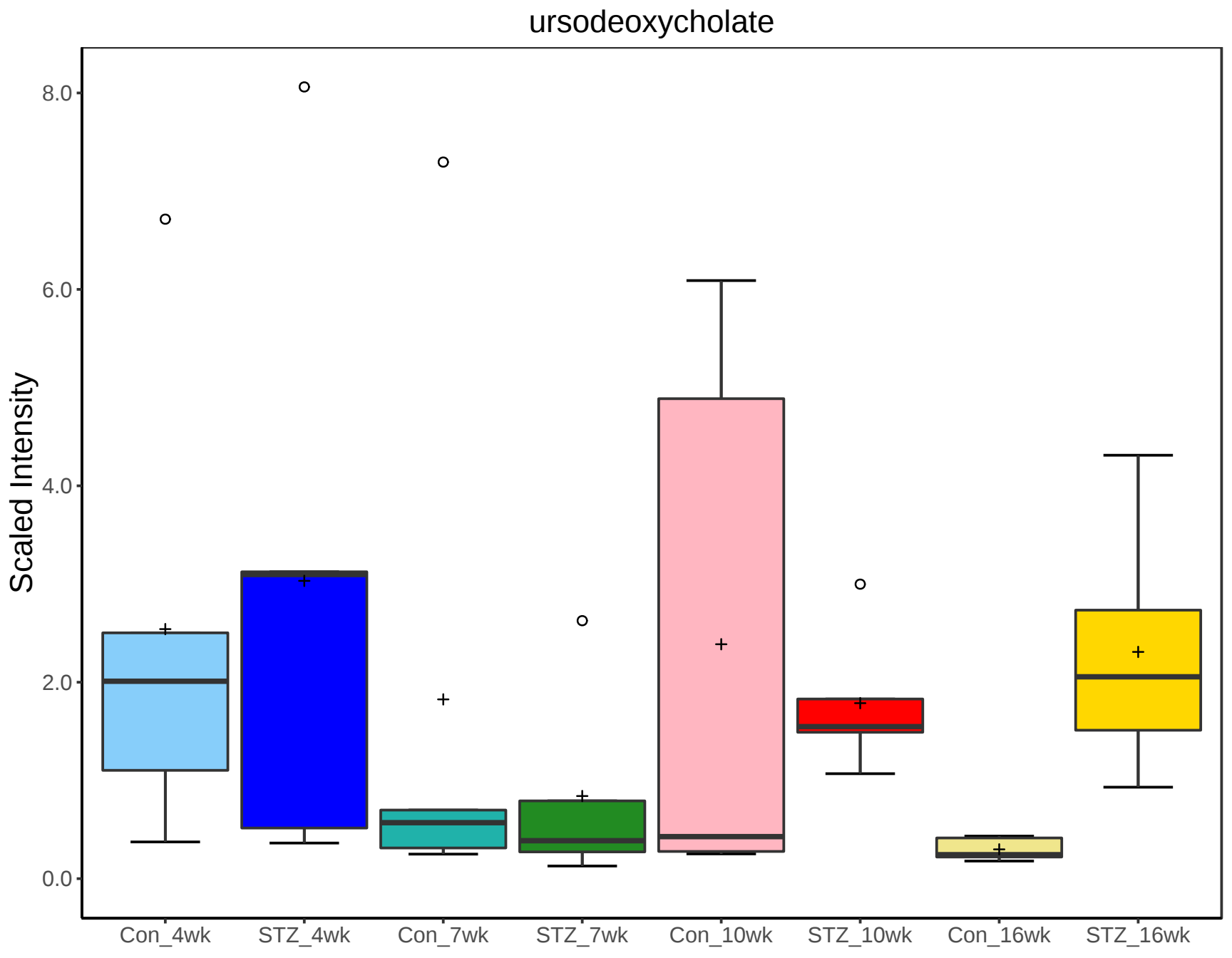

tauro-beta-muricholate
Scaled Intensity
200.0
150.0
100.0
50.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

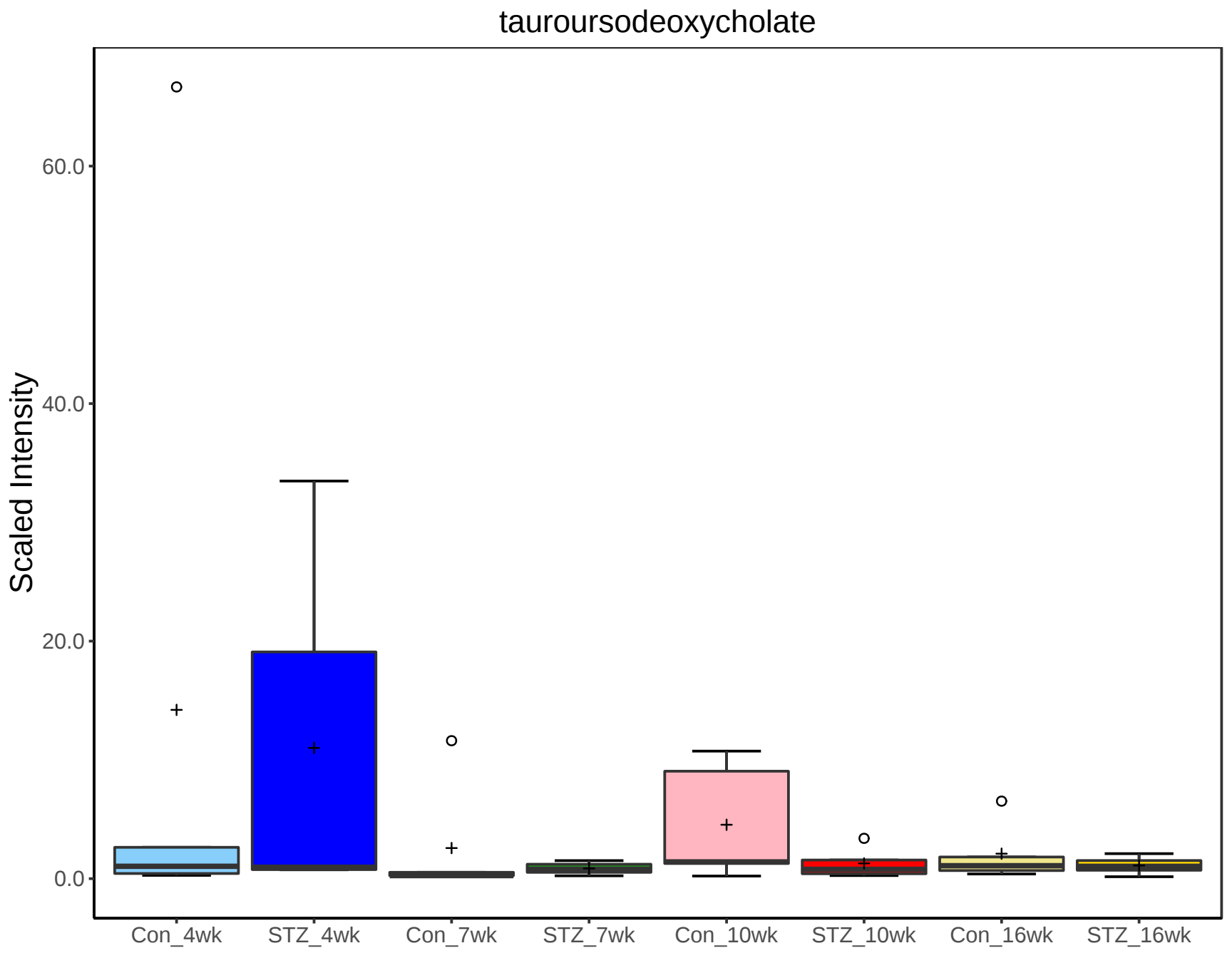

glyco-beta-muricholate
Scaled Intensity
12.5
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

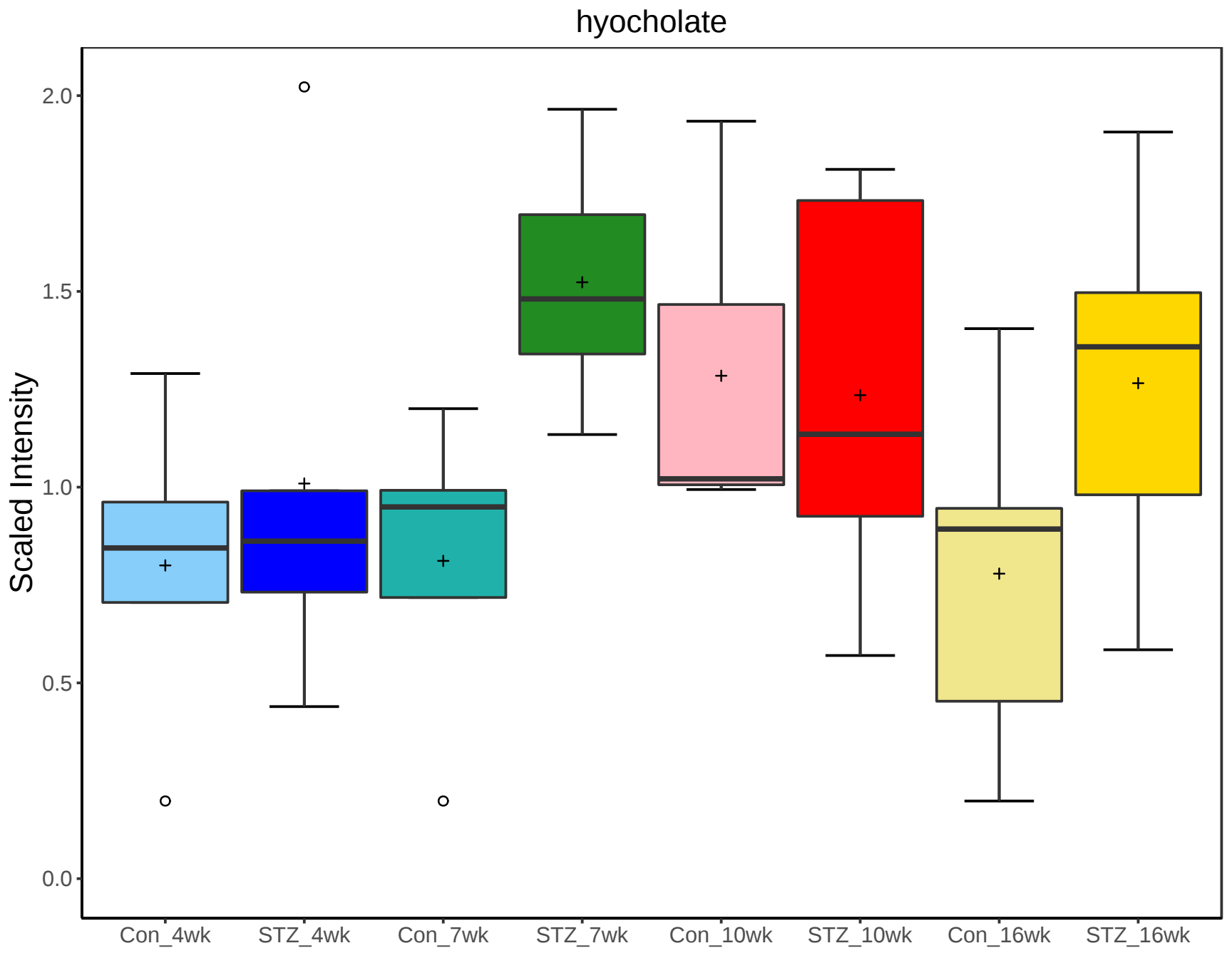

deoxycholate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

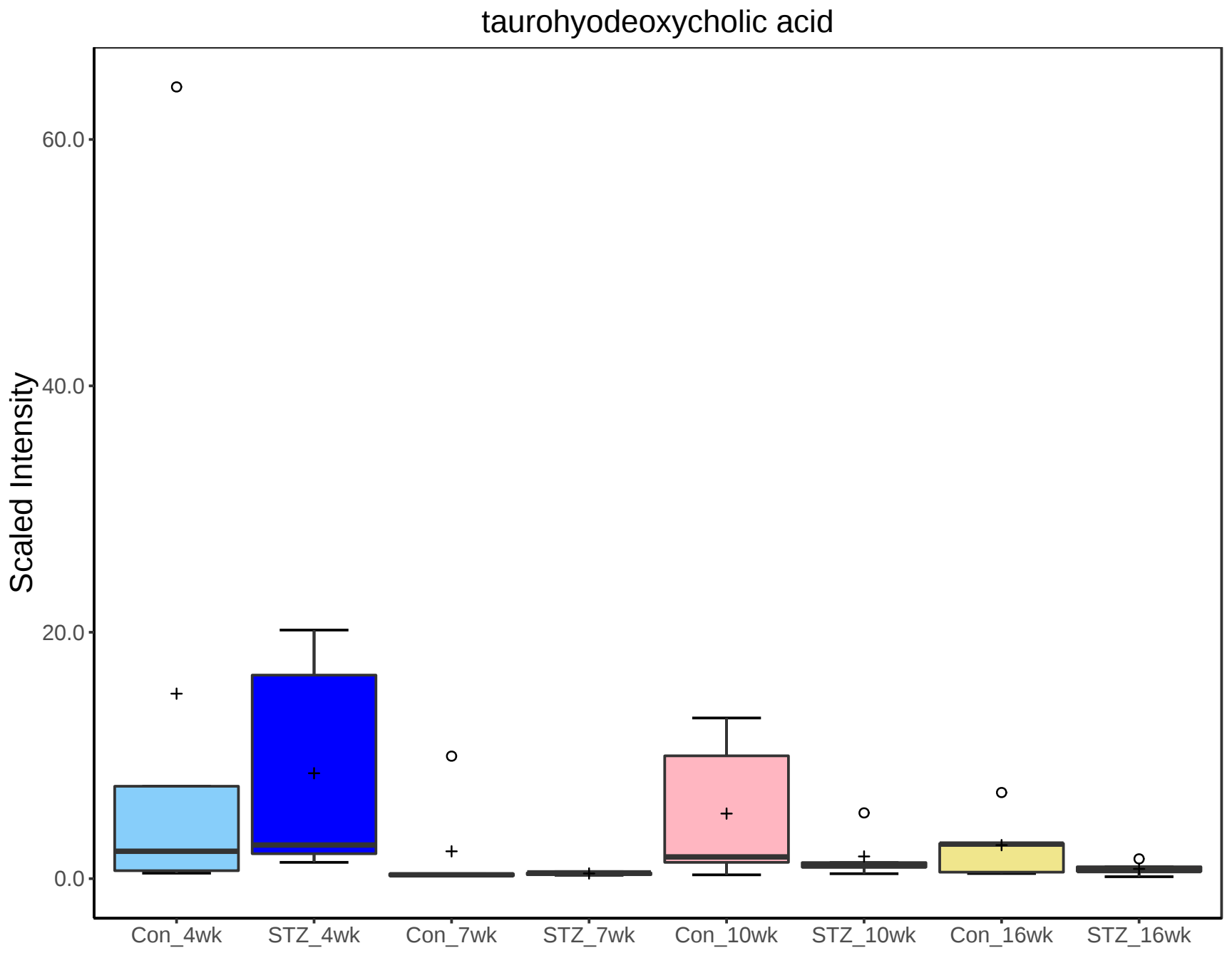

taurodeoxycholate
Scaled Intensity
40.0
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

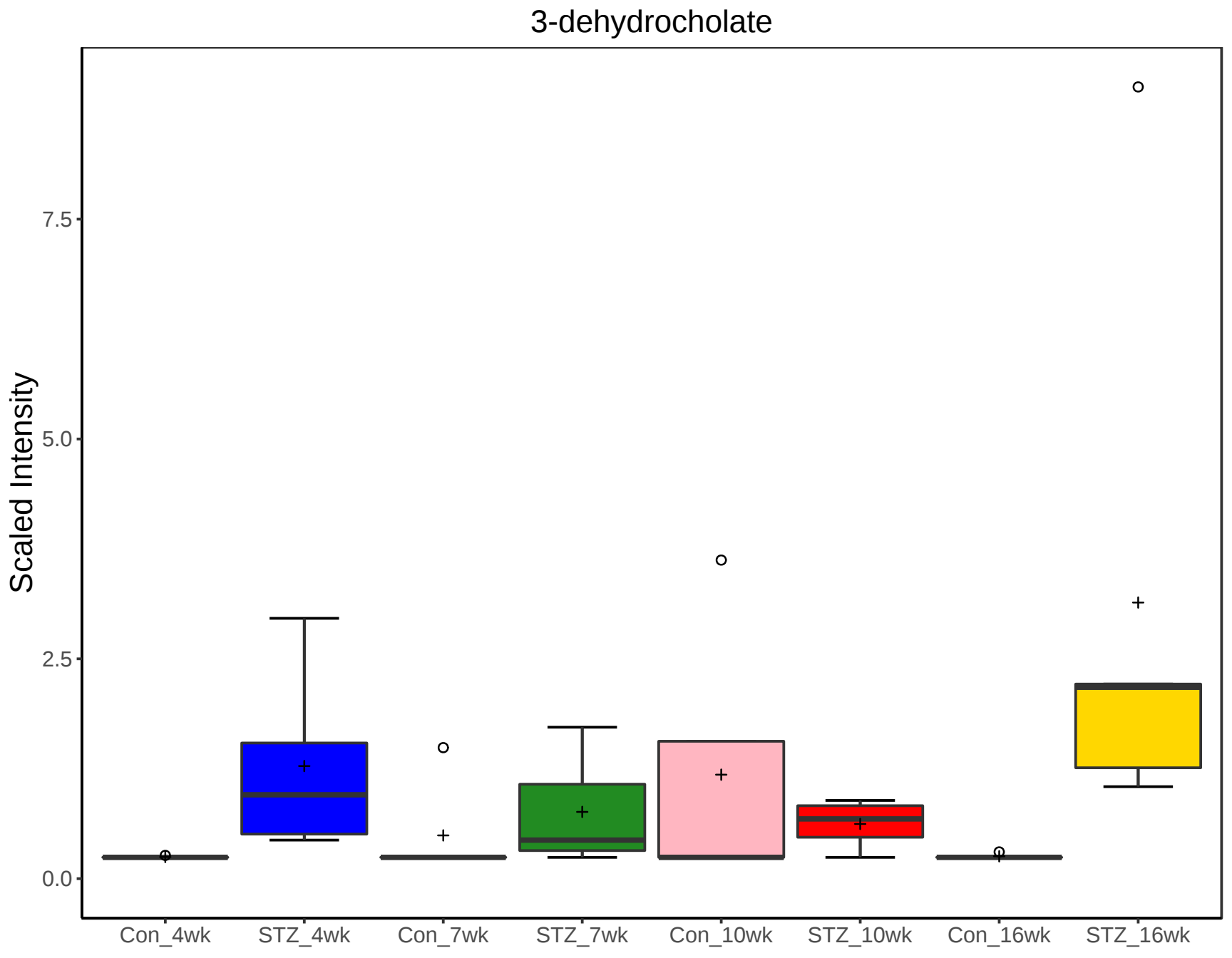

6-beta-hydroxylithocholate
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

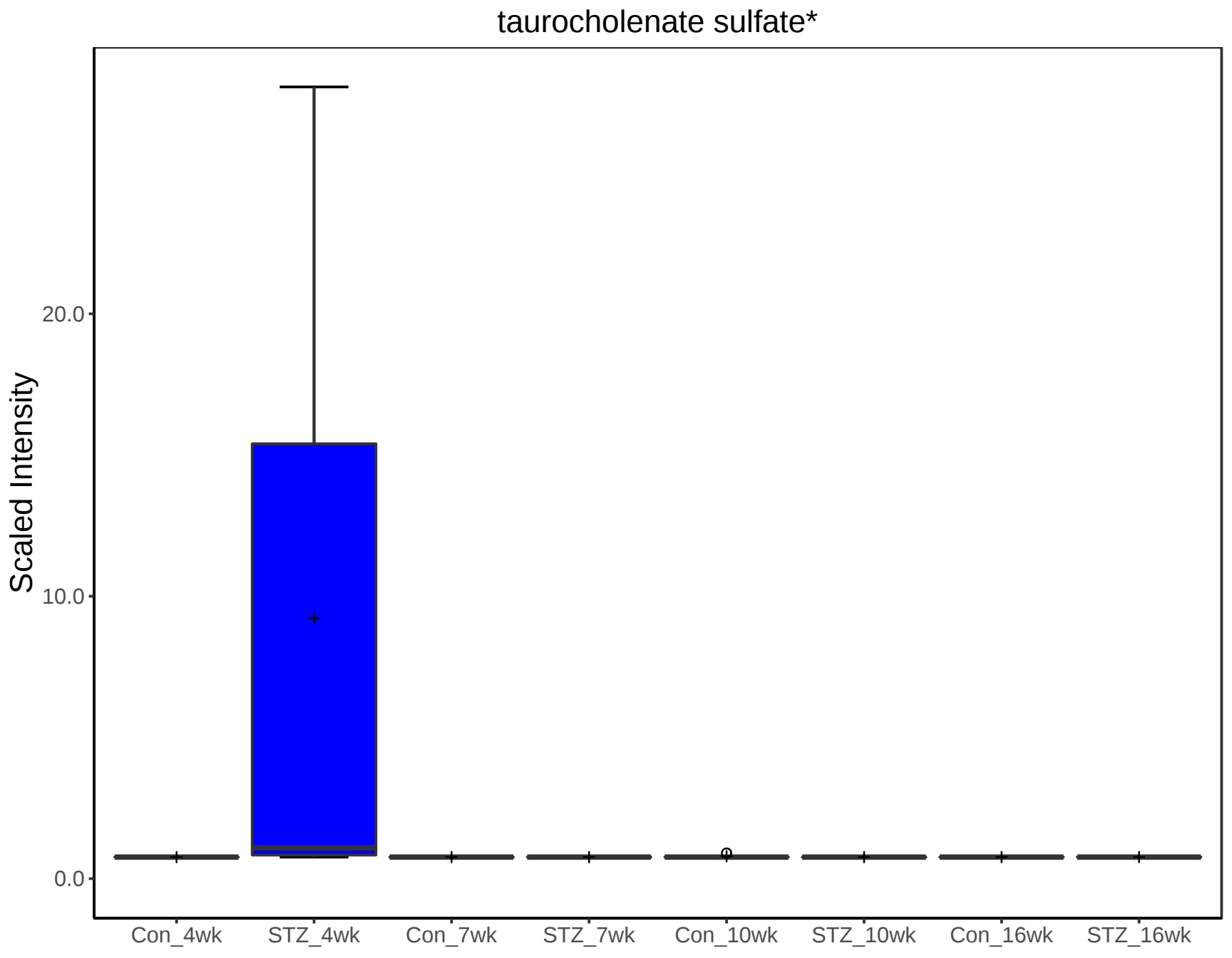

ursodeoxycholate
Scaled Intensity
8.0
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

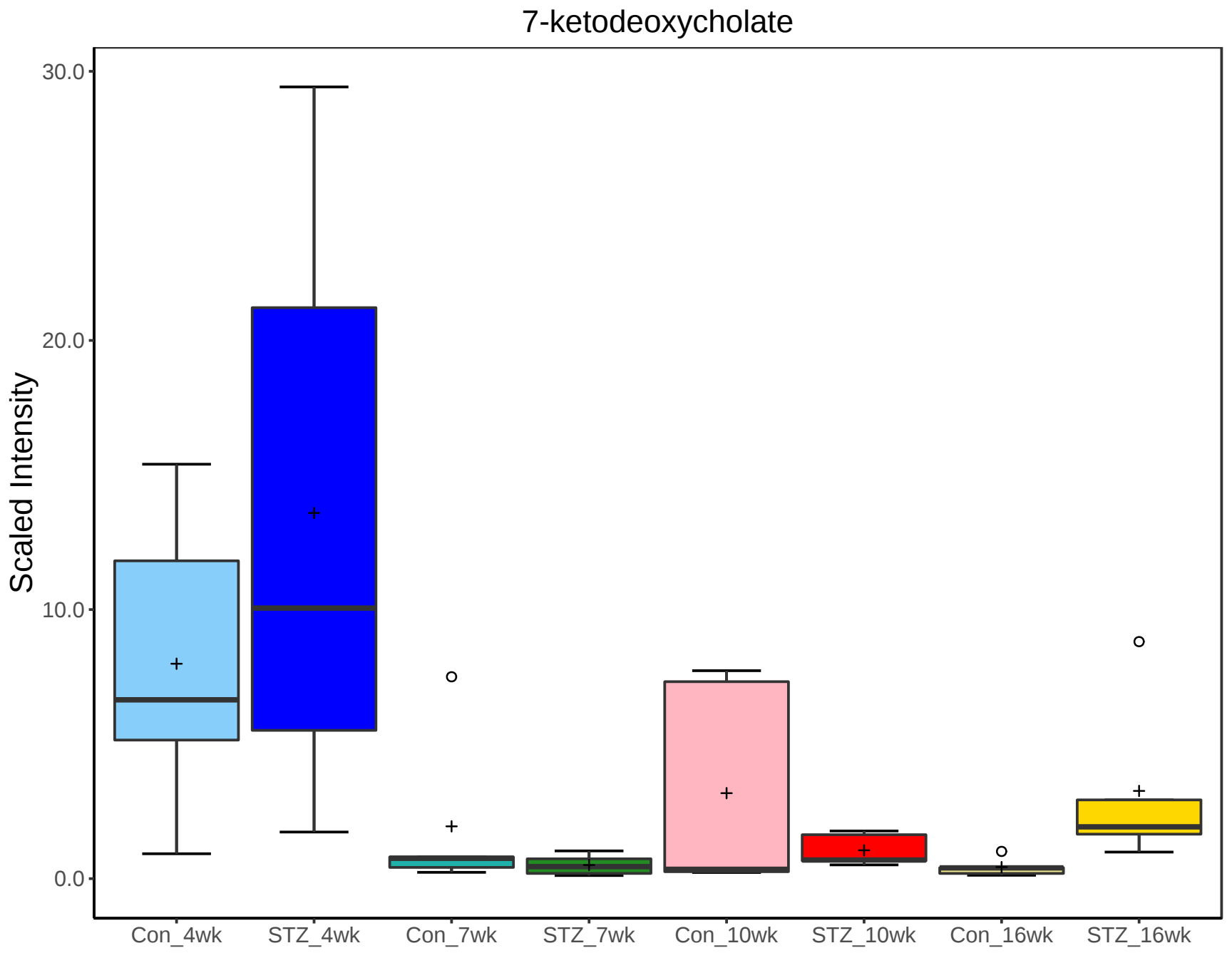

tauroursodeoxycholate
Scaled Intensity
60.0
40.0
20.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

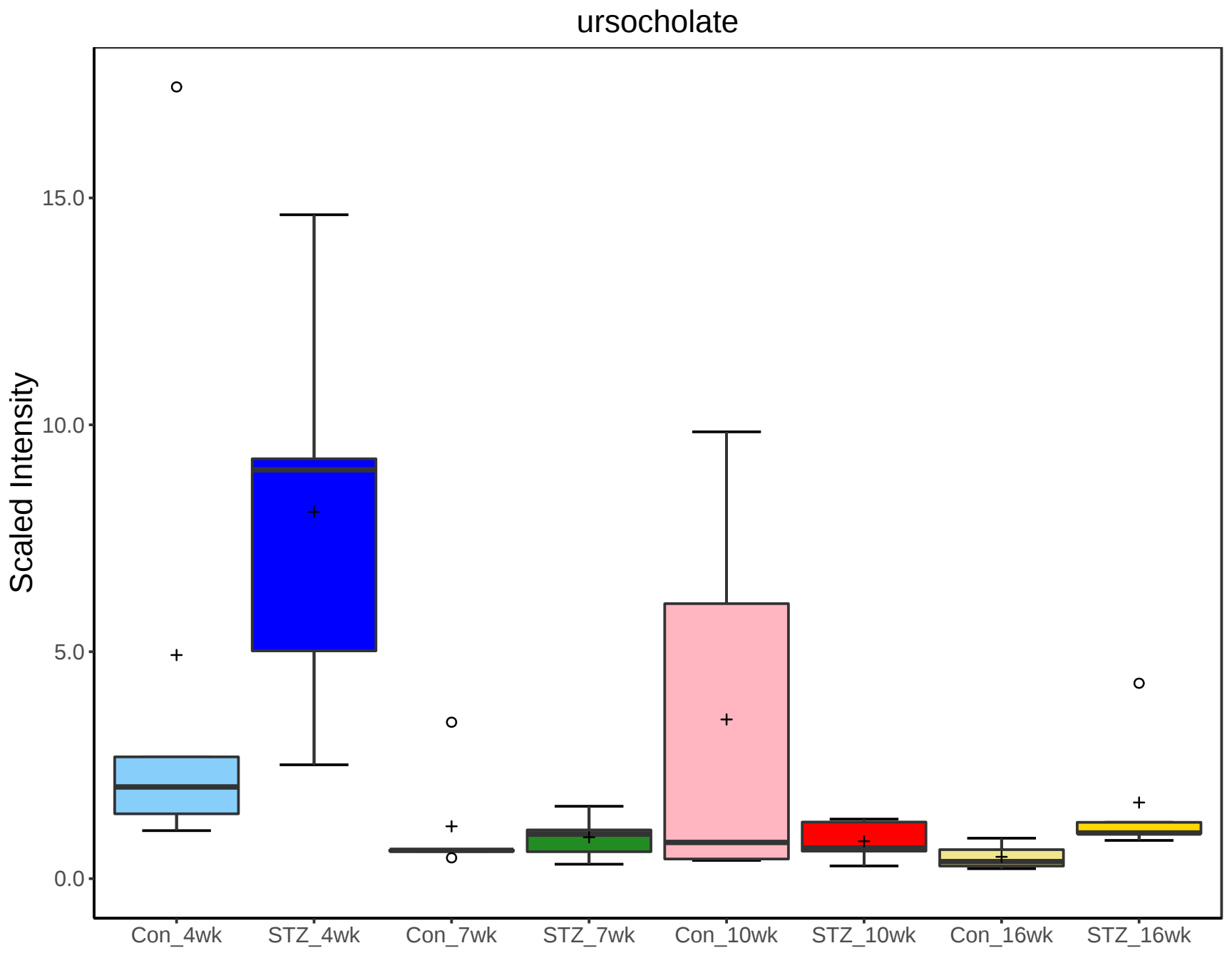

hyocholate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

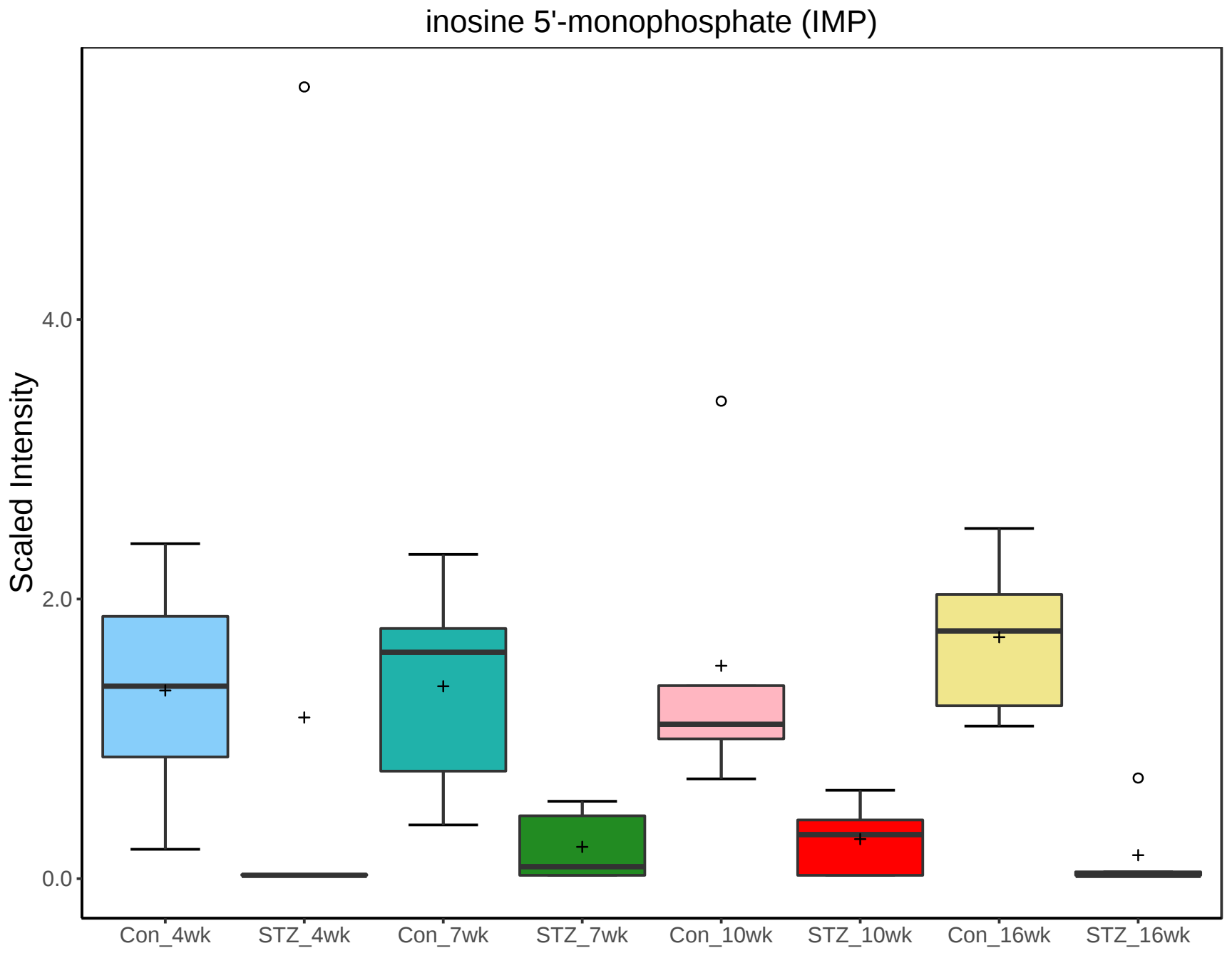

taurohyodeoxycholic acid
Scaled Intensity
60.0
40.0
20.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

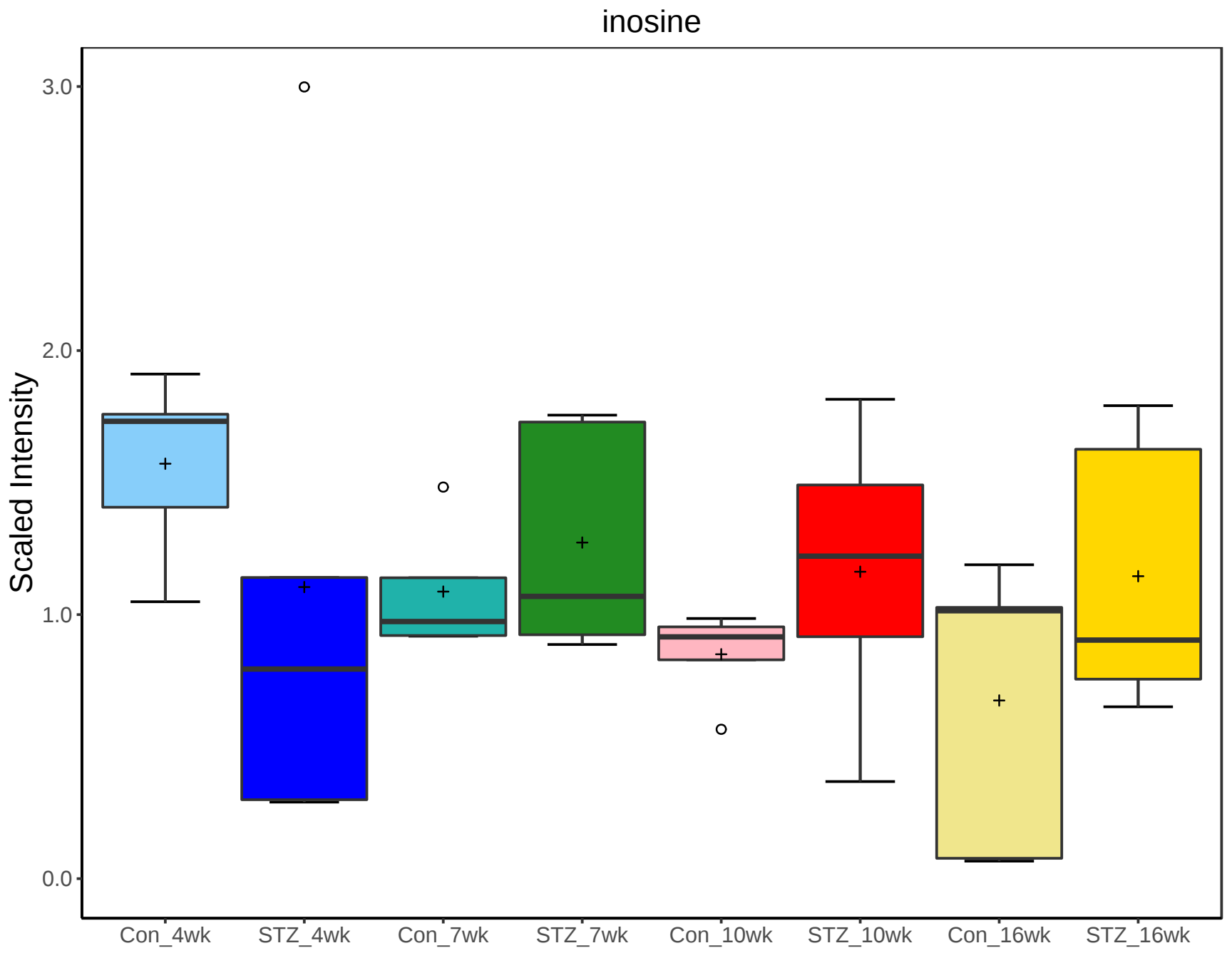

3-dehydrocholate
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

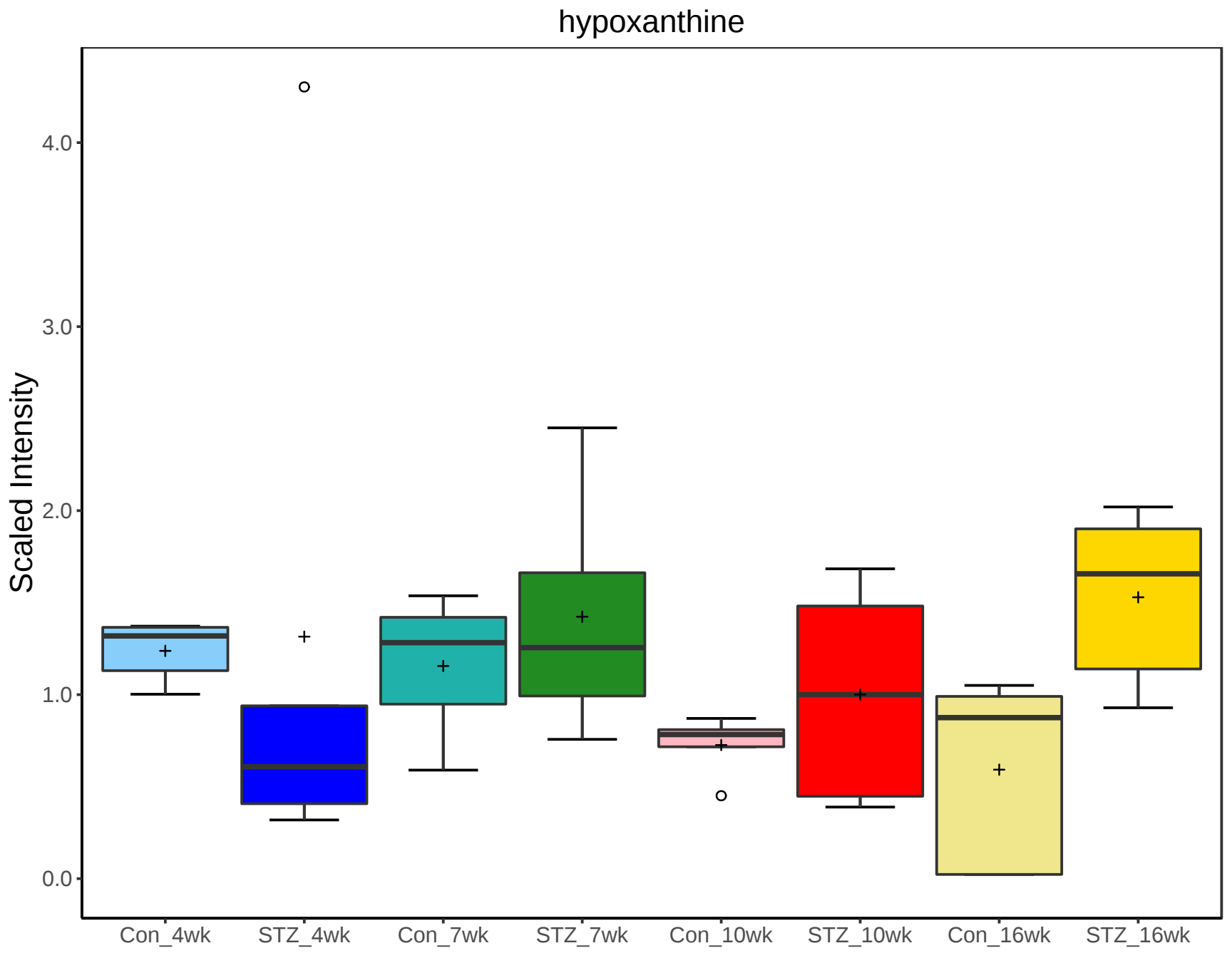

taurocholenate sulfate*
Scaled Intensity
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

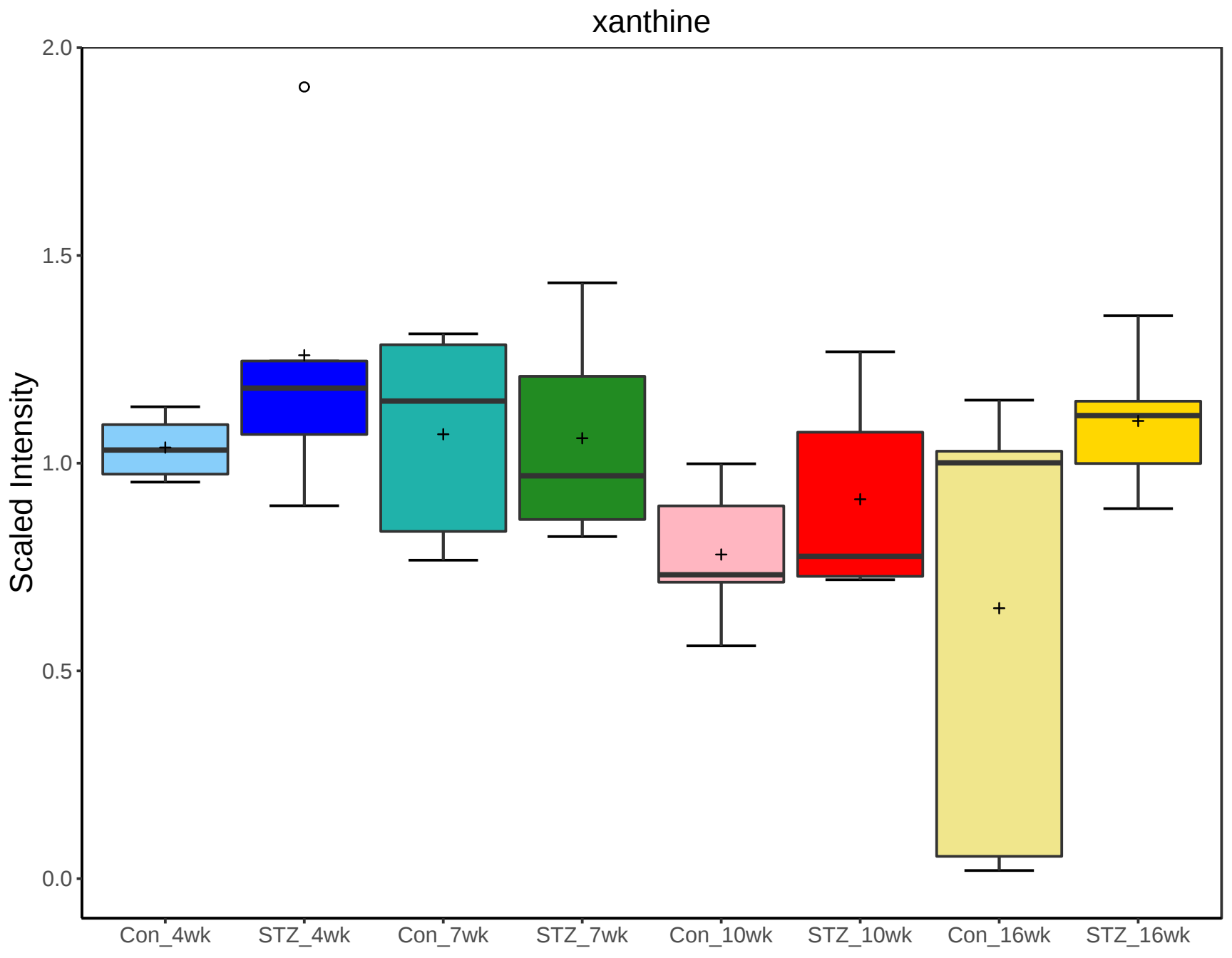

7-ketodeoxycholate
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

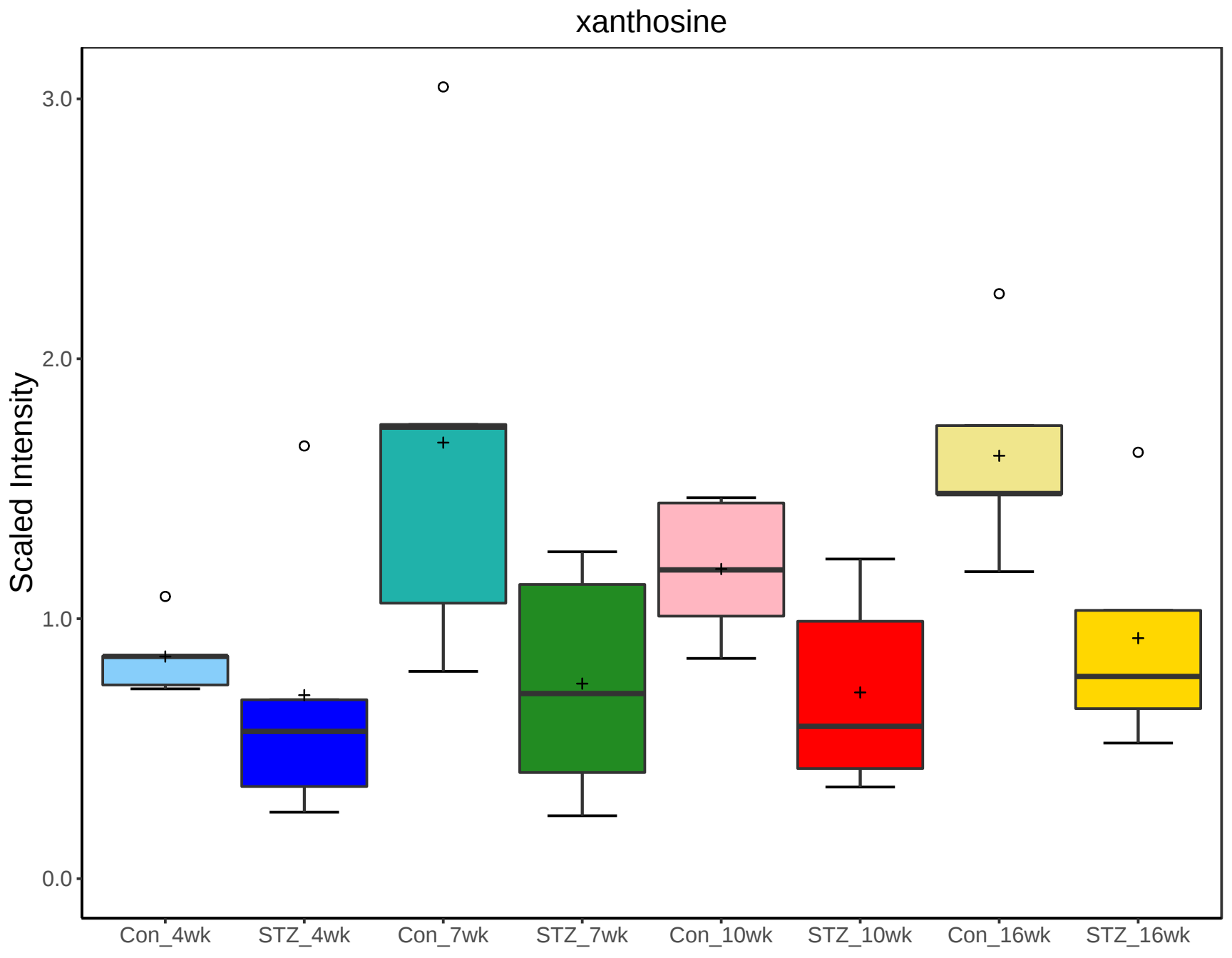

ursocholate
Scaled Intensity
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

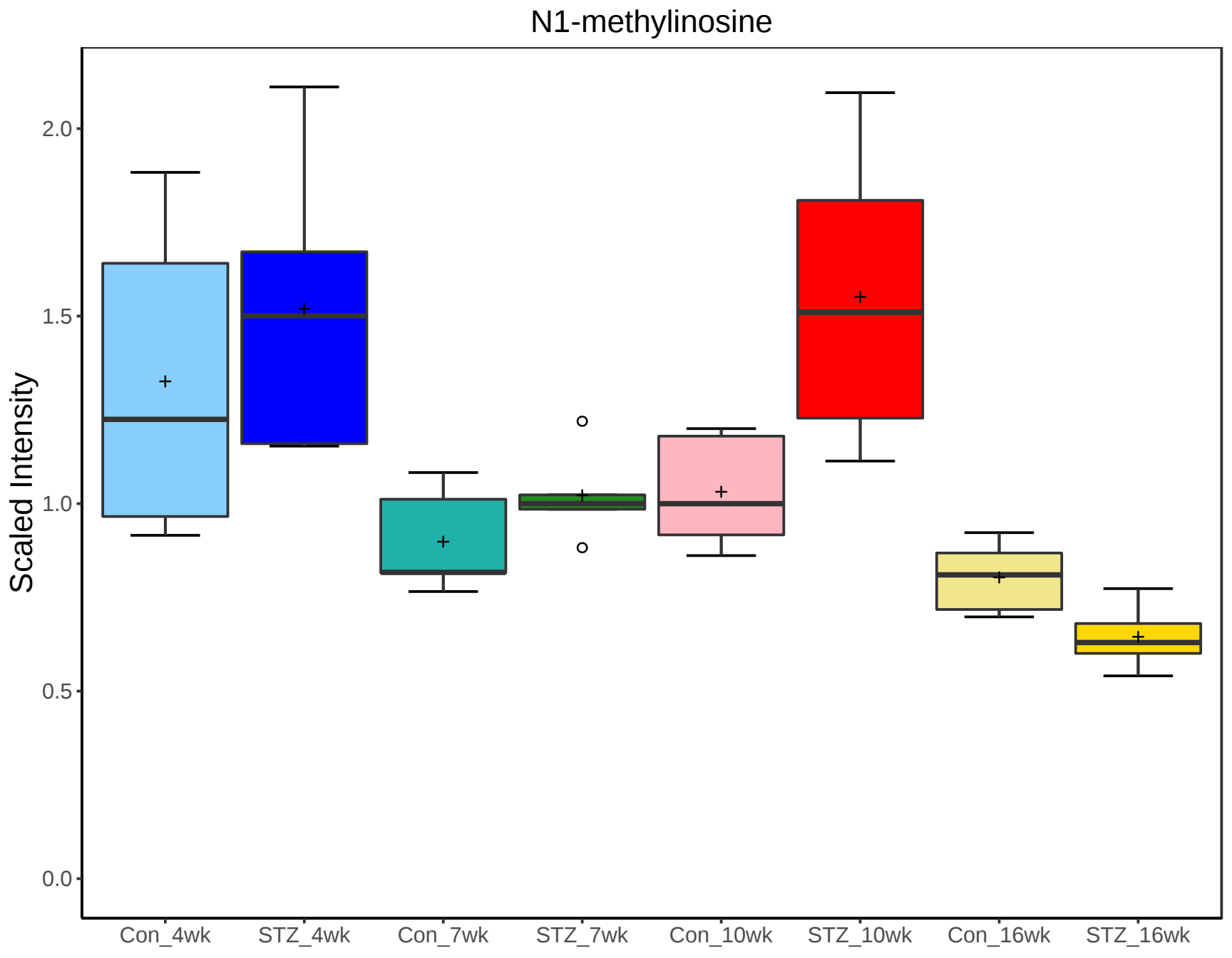

inosine 5'-monophosphate (IMP)
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

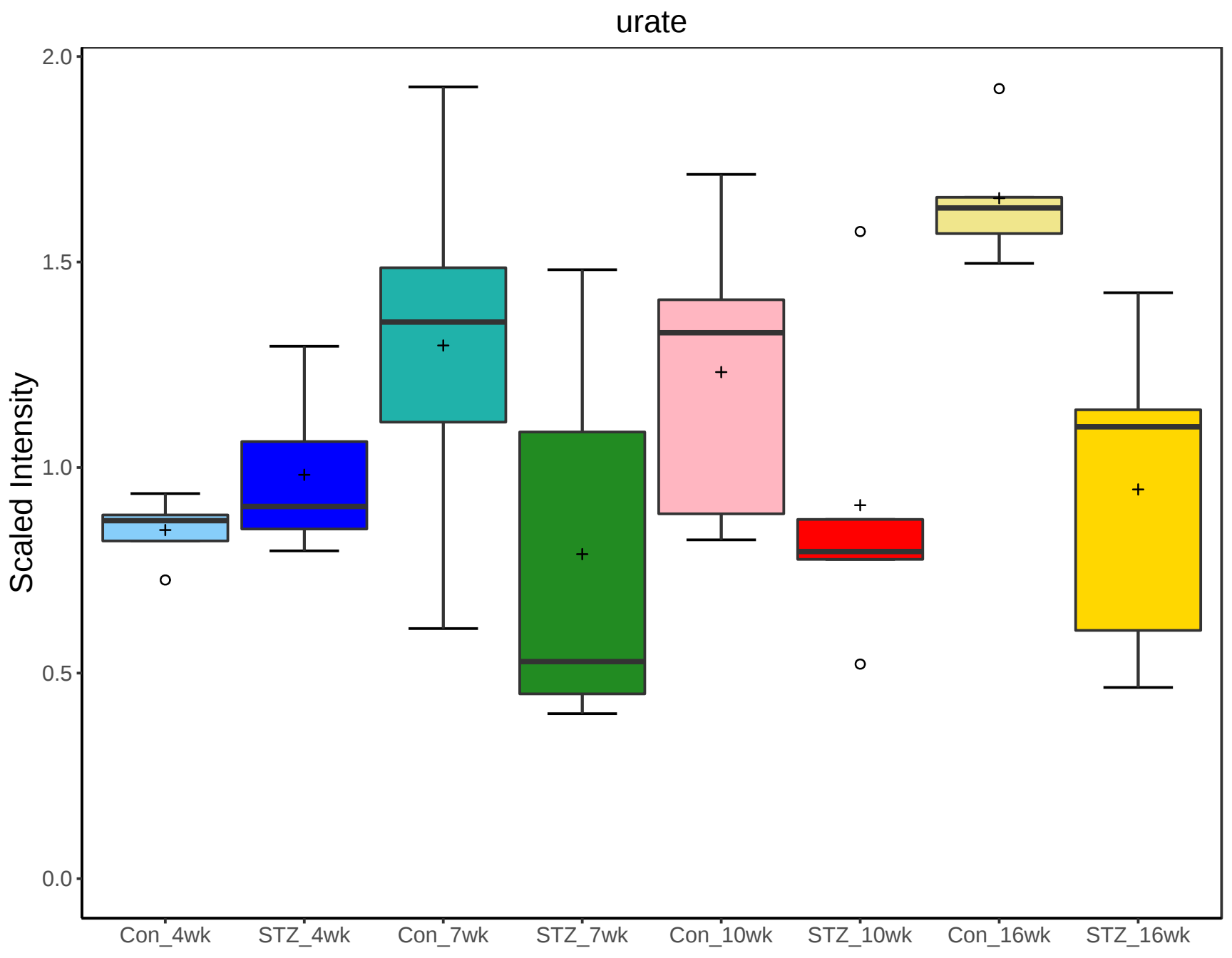

inosine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

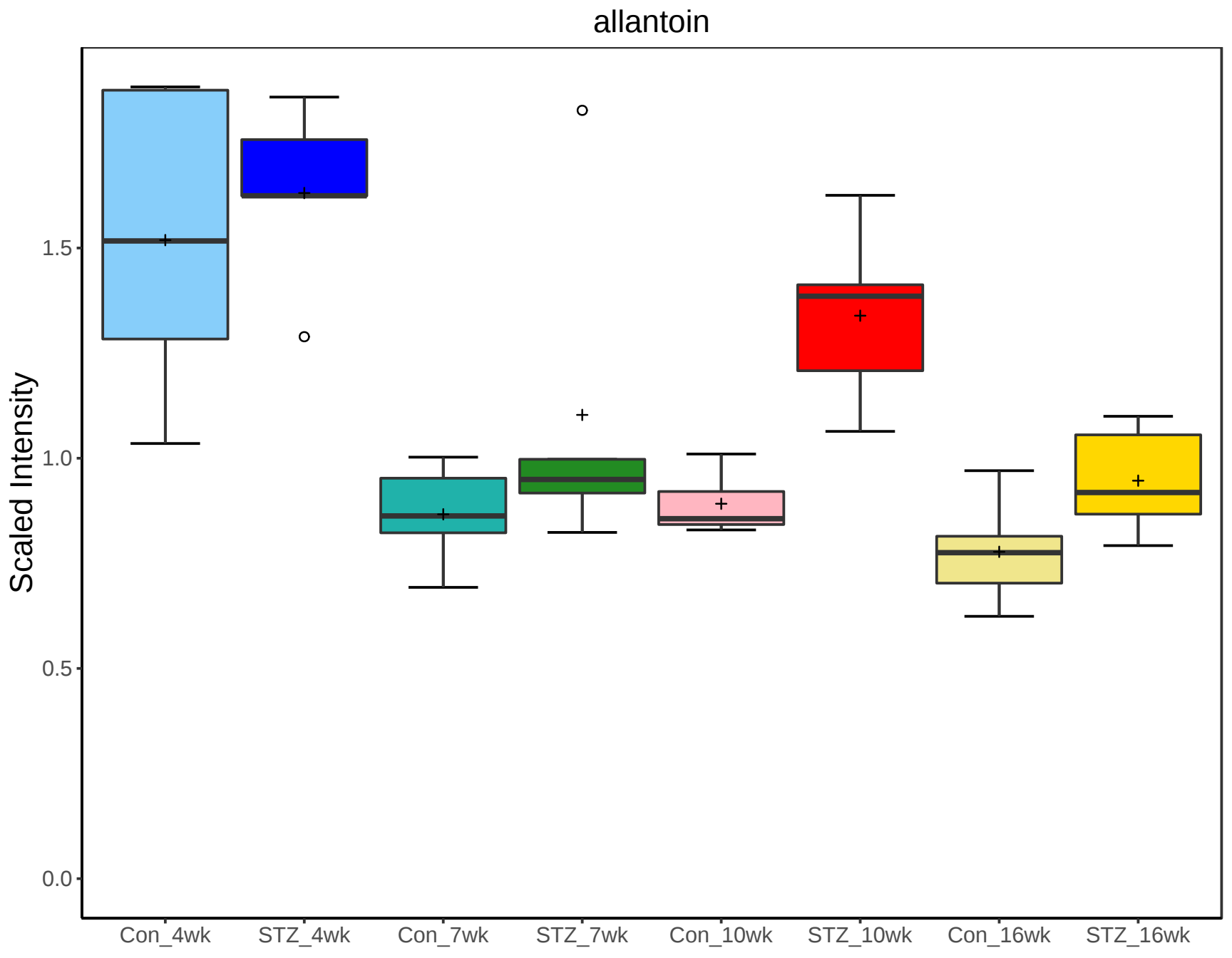

hypoxanthine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

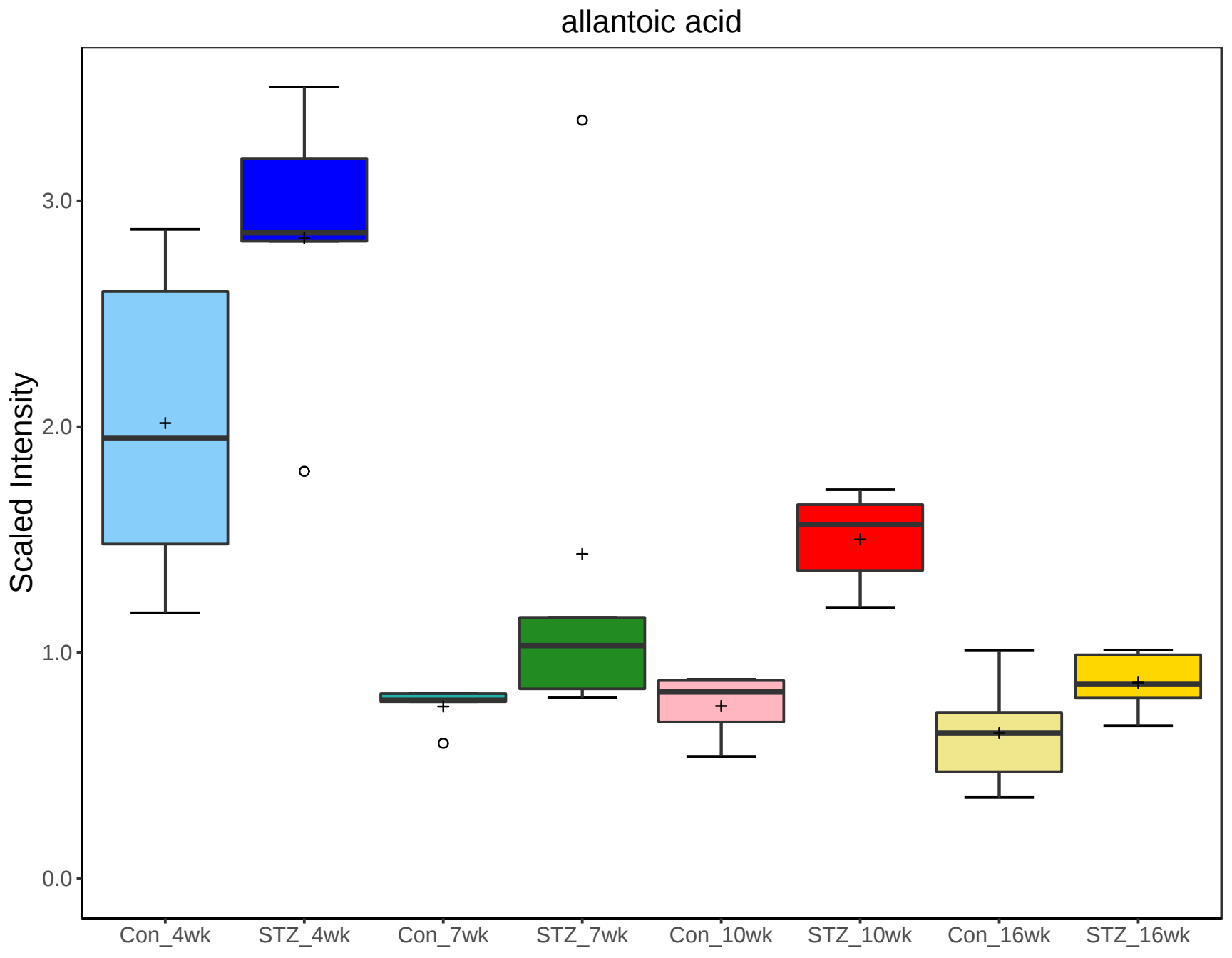

xanthine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

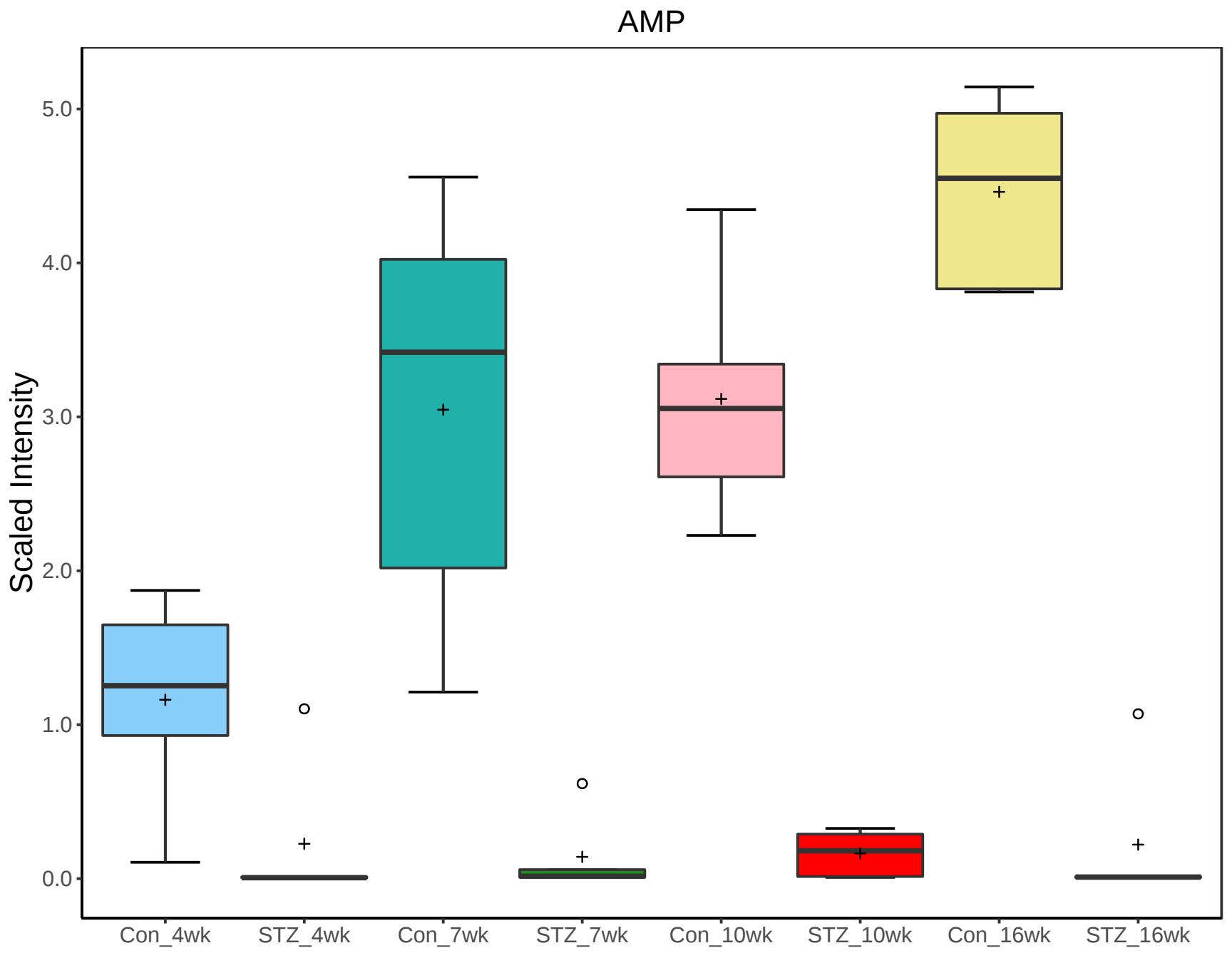

xanthosine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

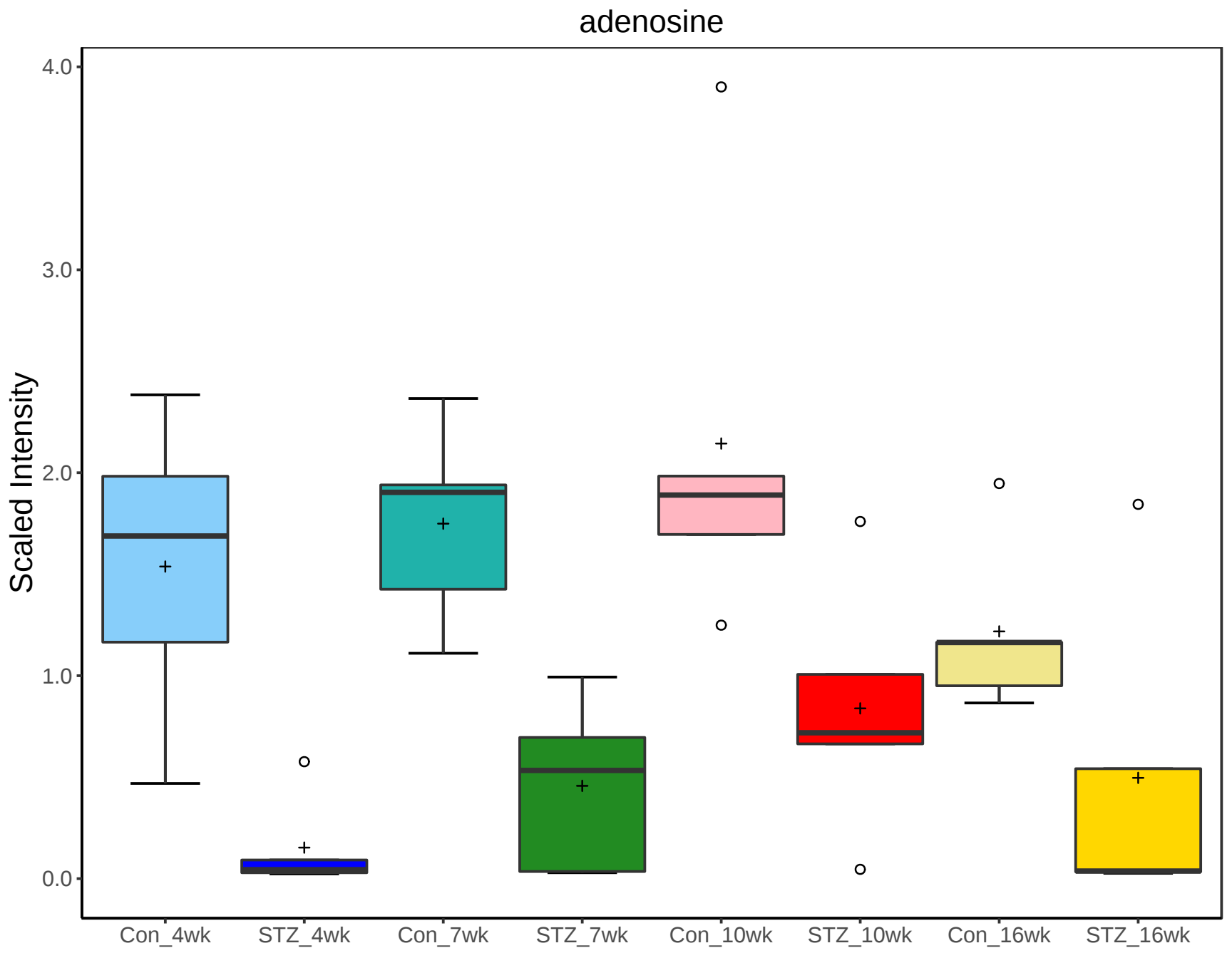

N1-methylinosine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

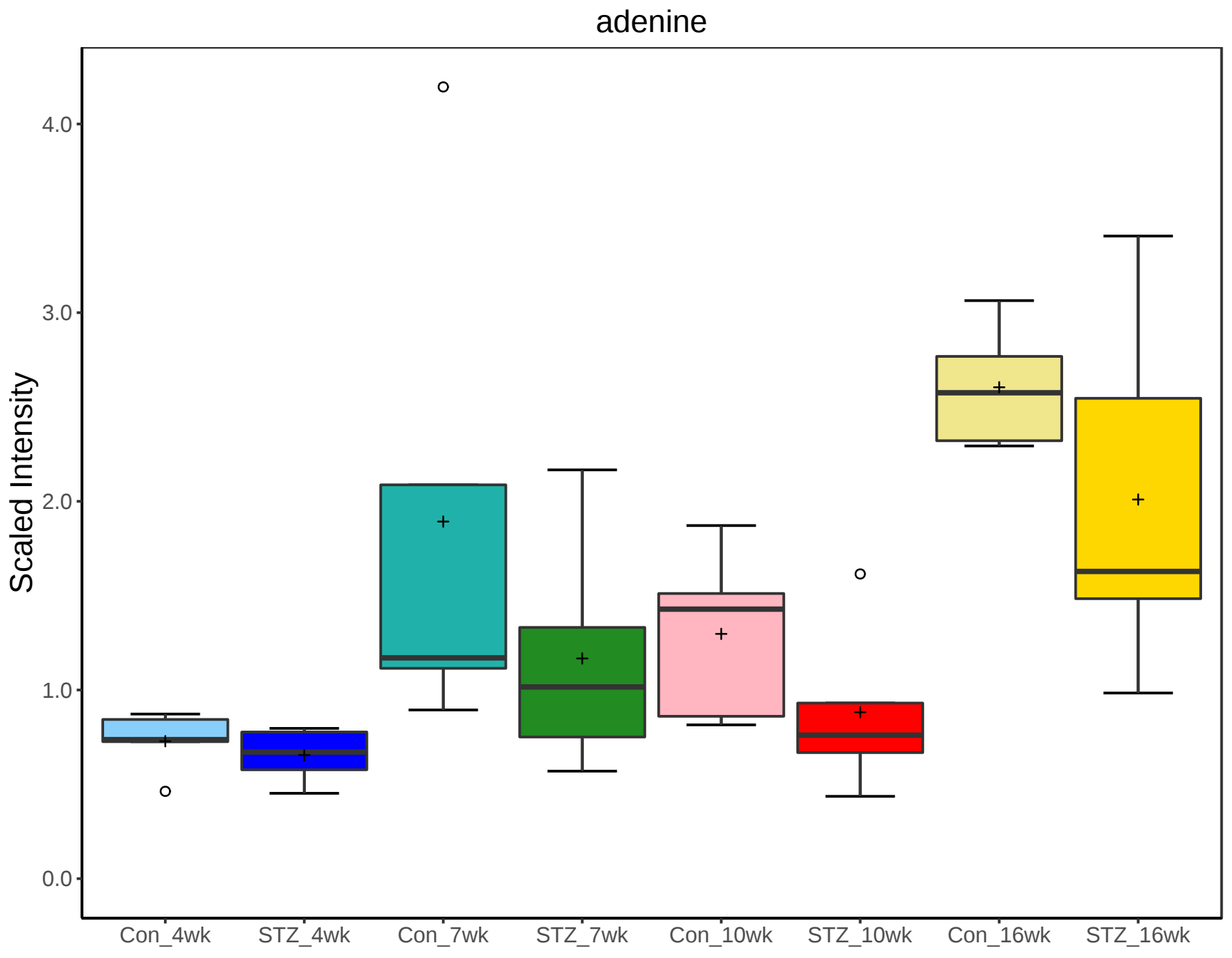

urate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

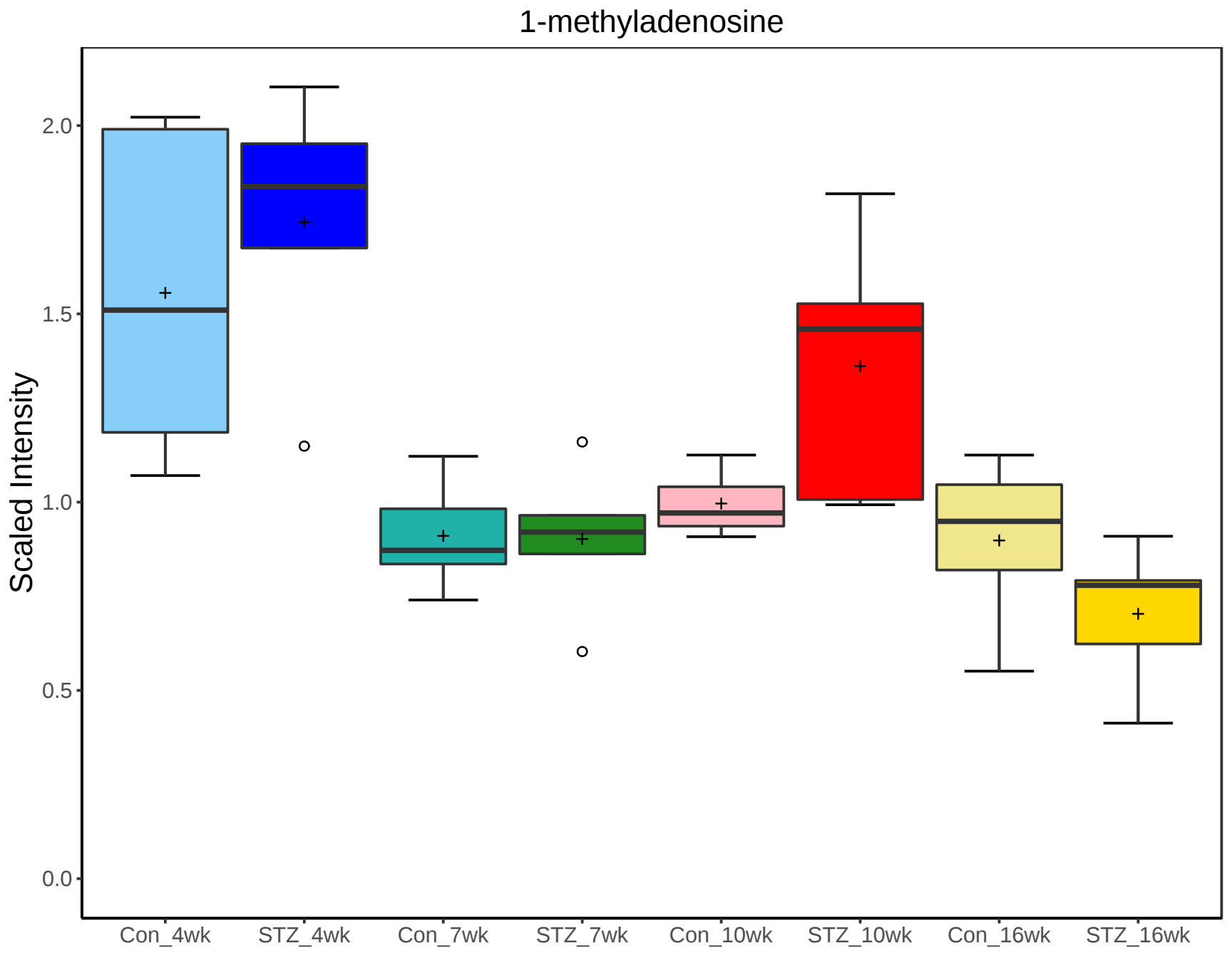

allantoin
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

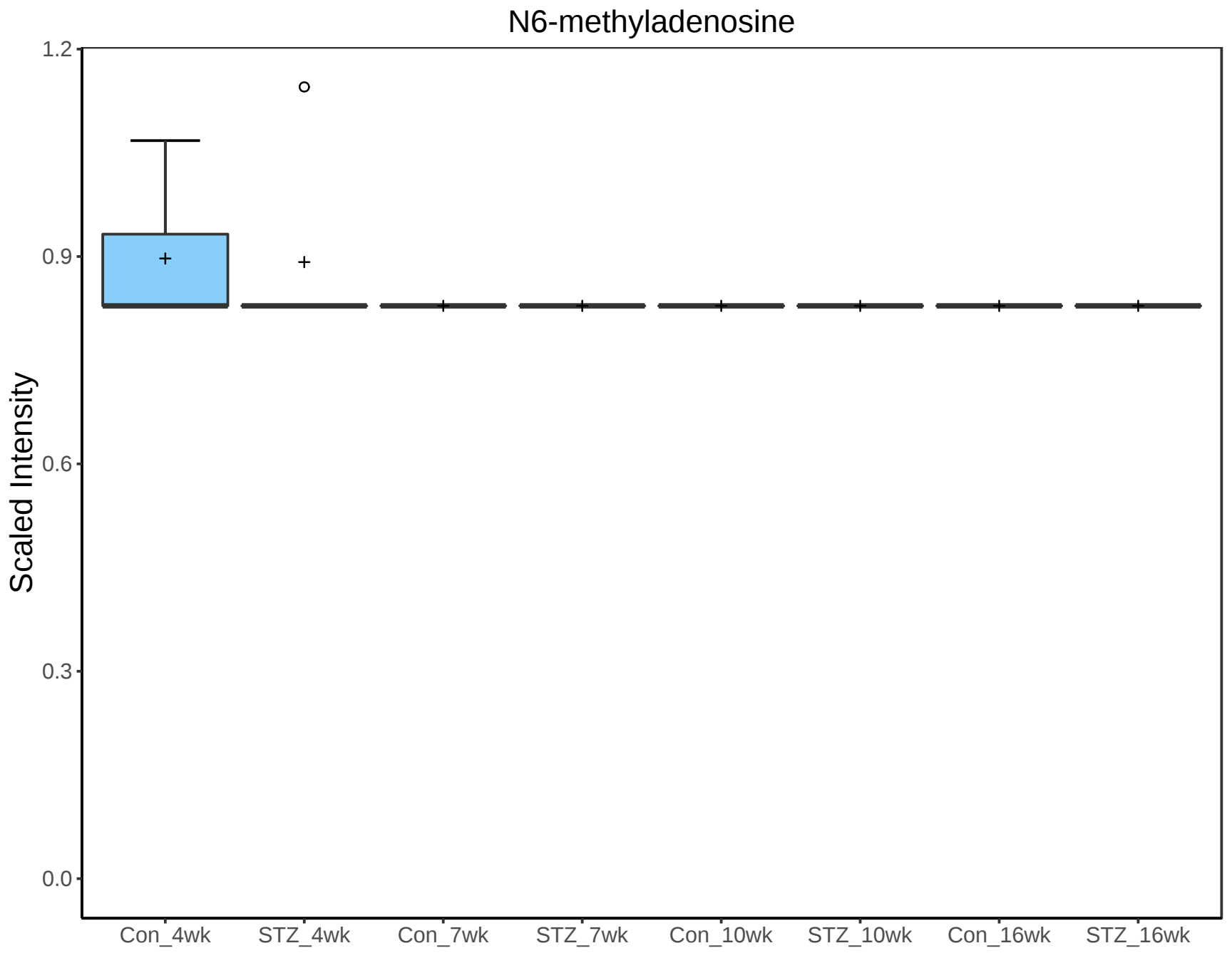

allantoic acid
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

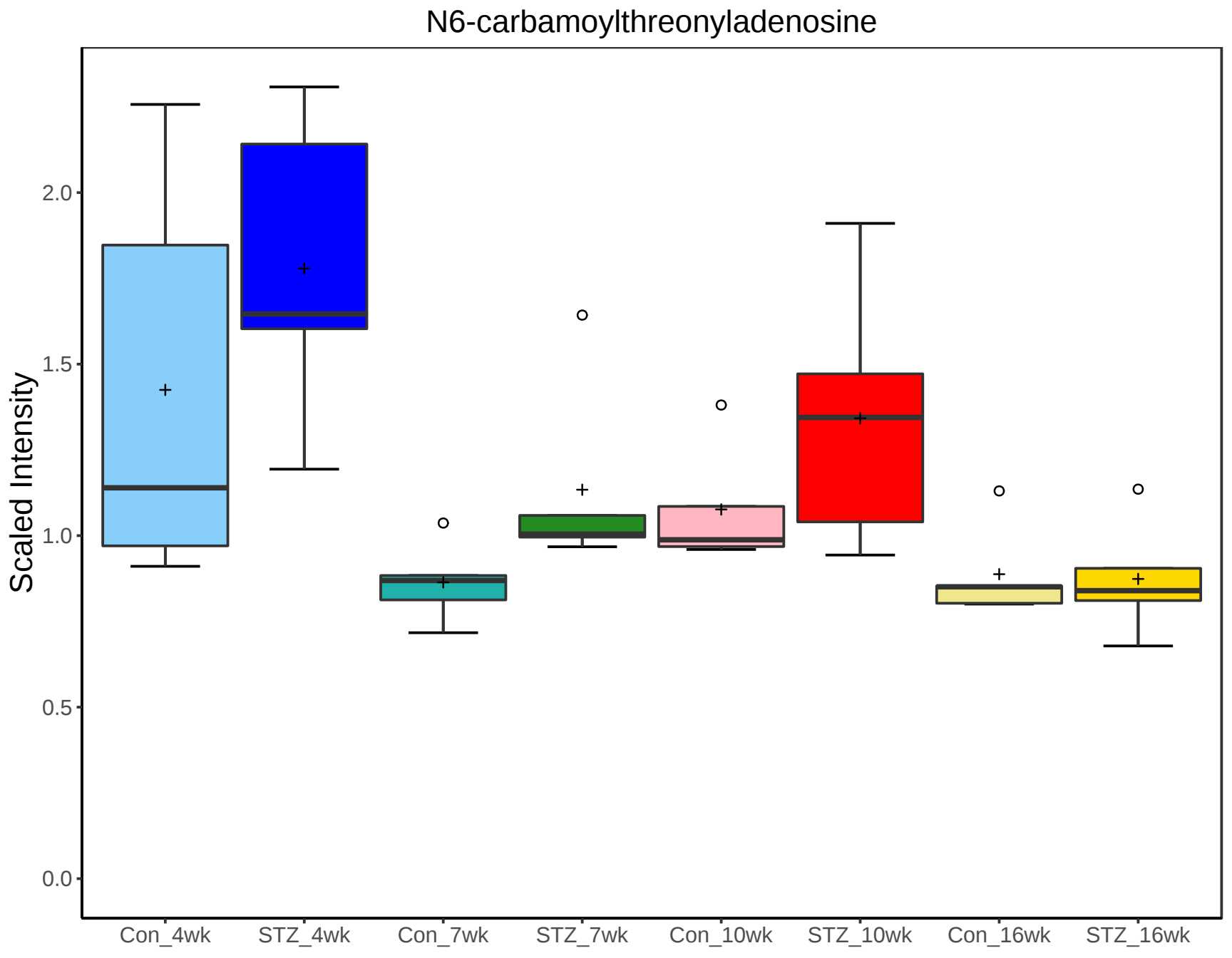

AMP
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

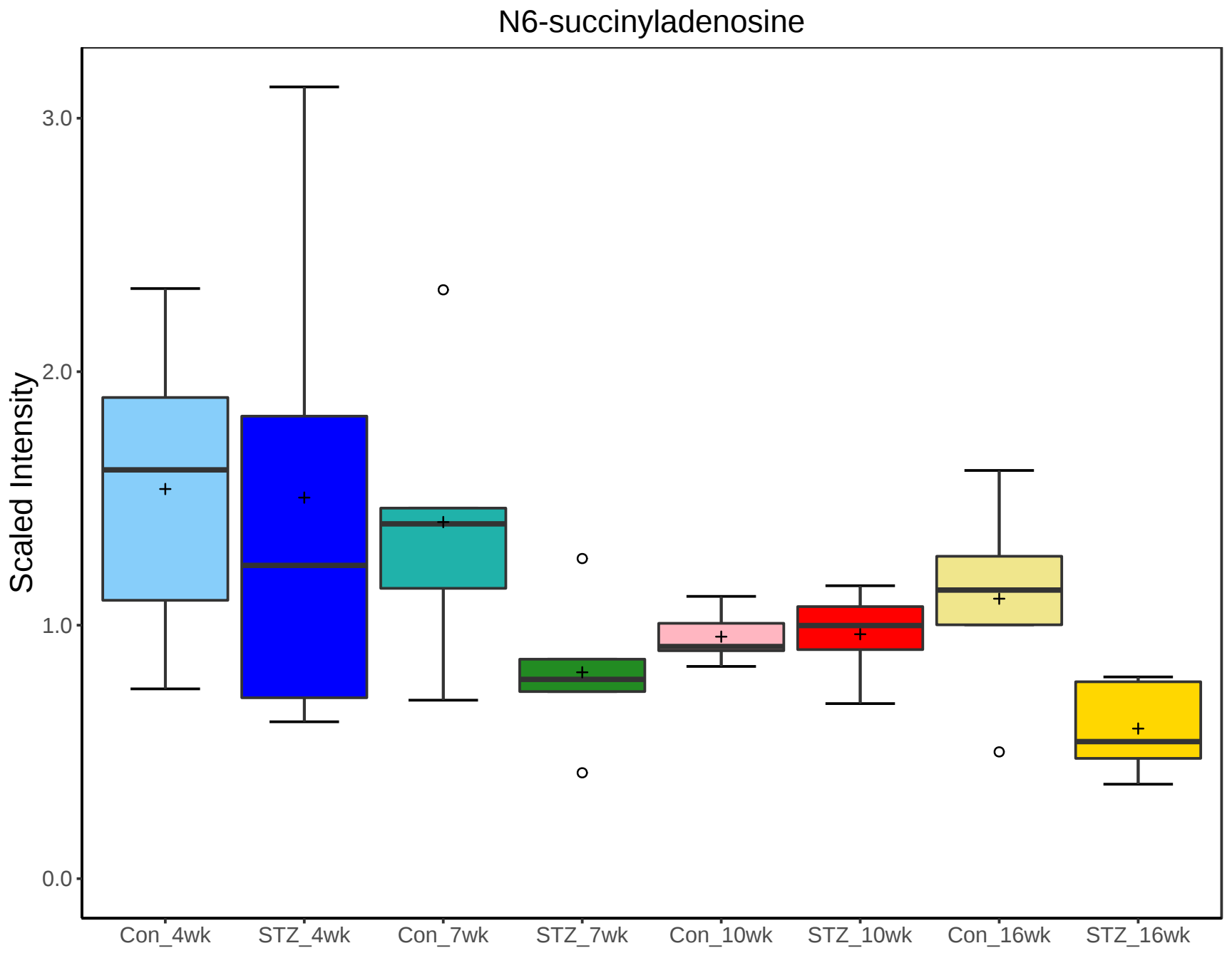

adenosine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

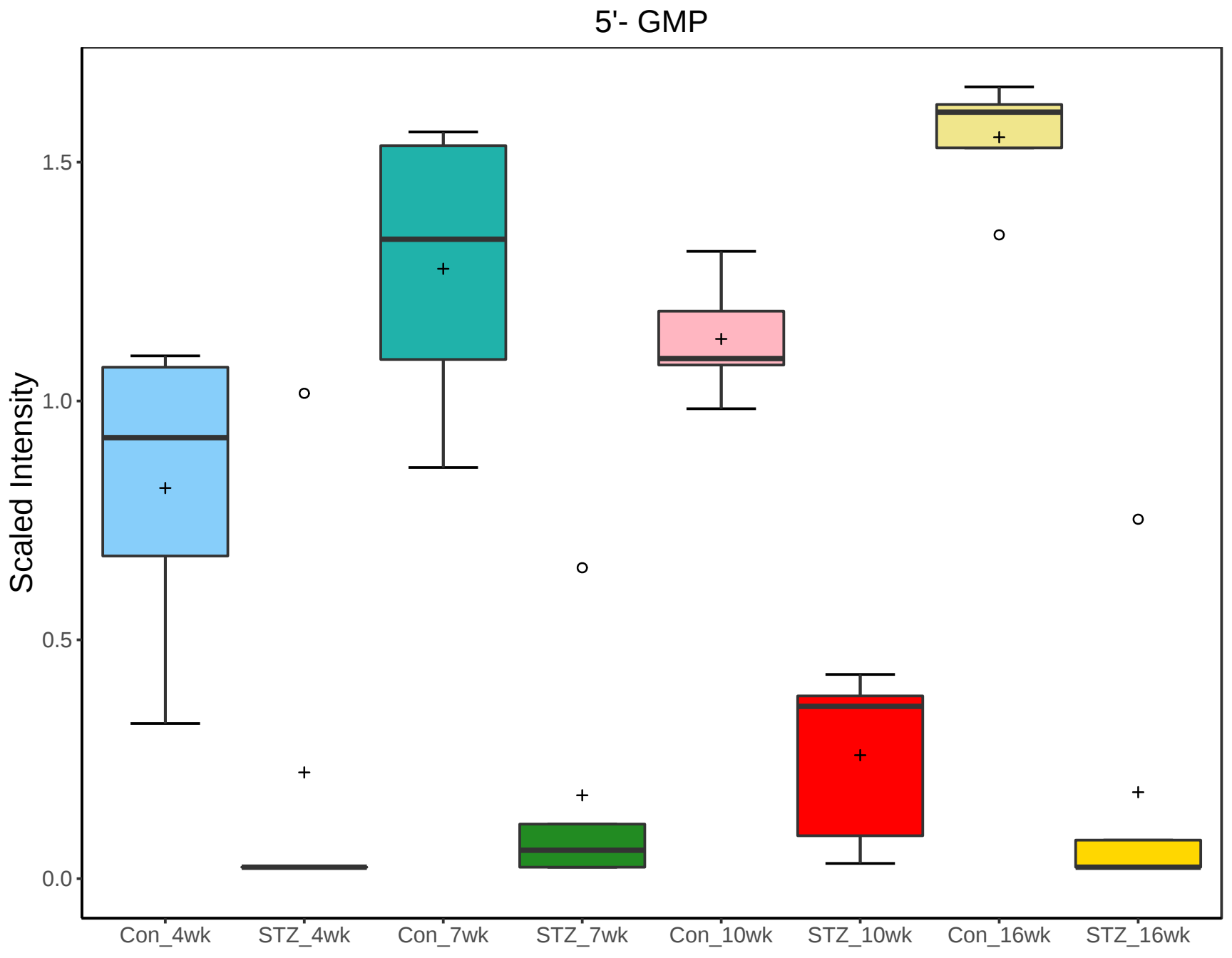

adenine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

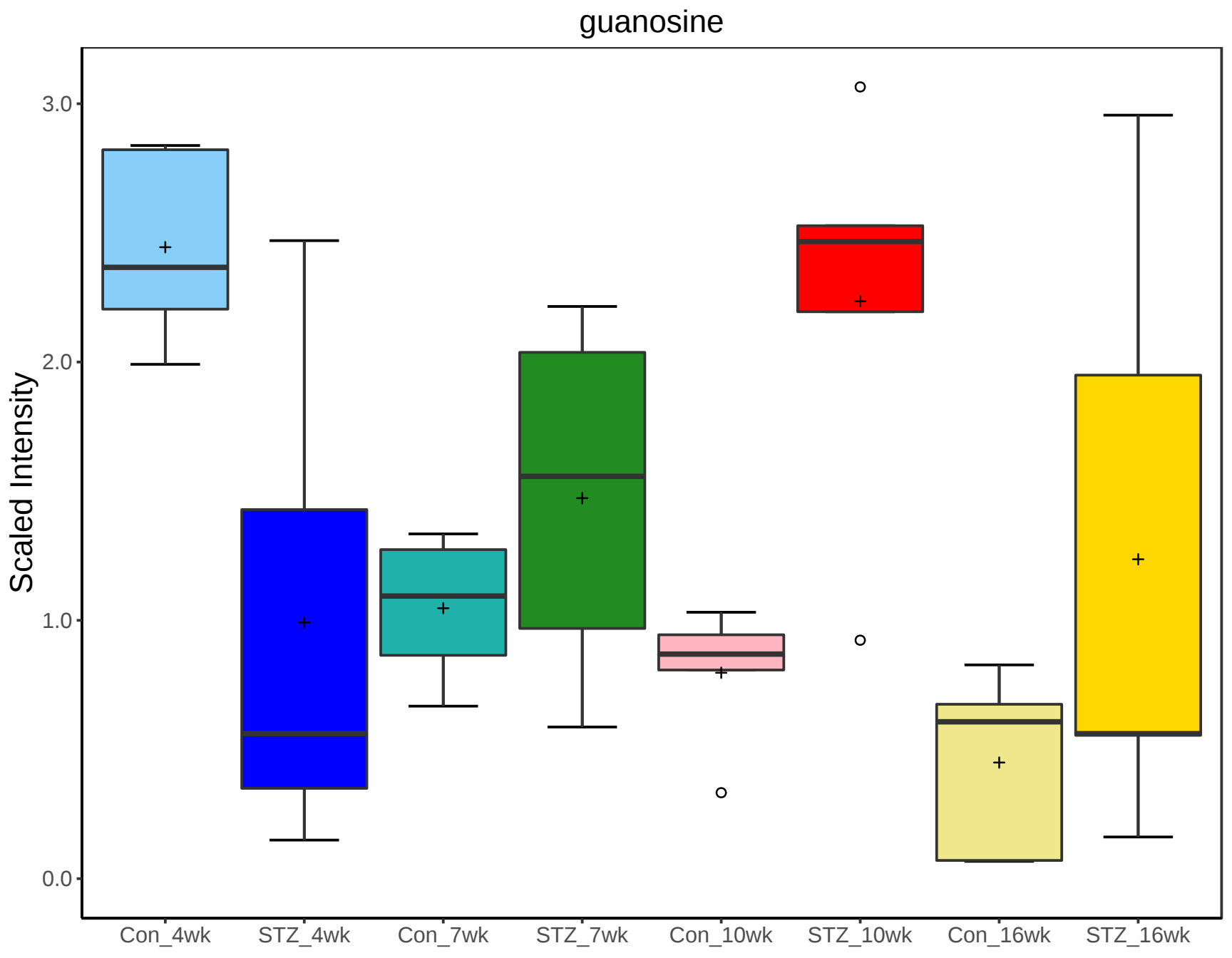

1-methyladenosine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

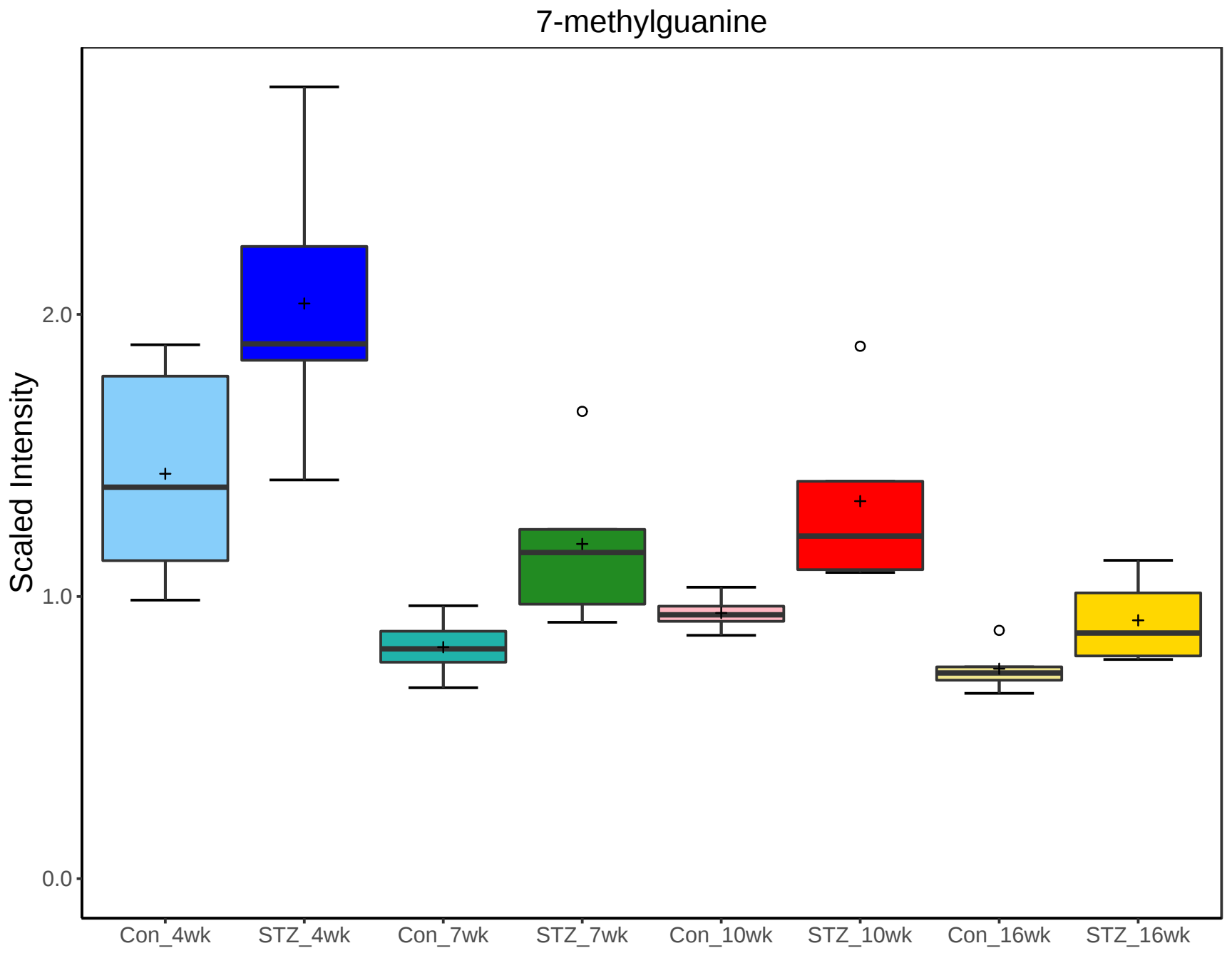

N6-methyladenosine
Scaled Intensity
1.2
0.9
0.6
0.3
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

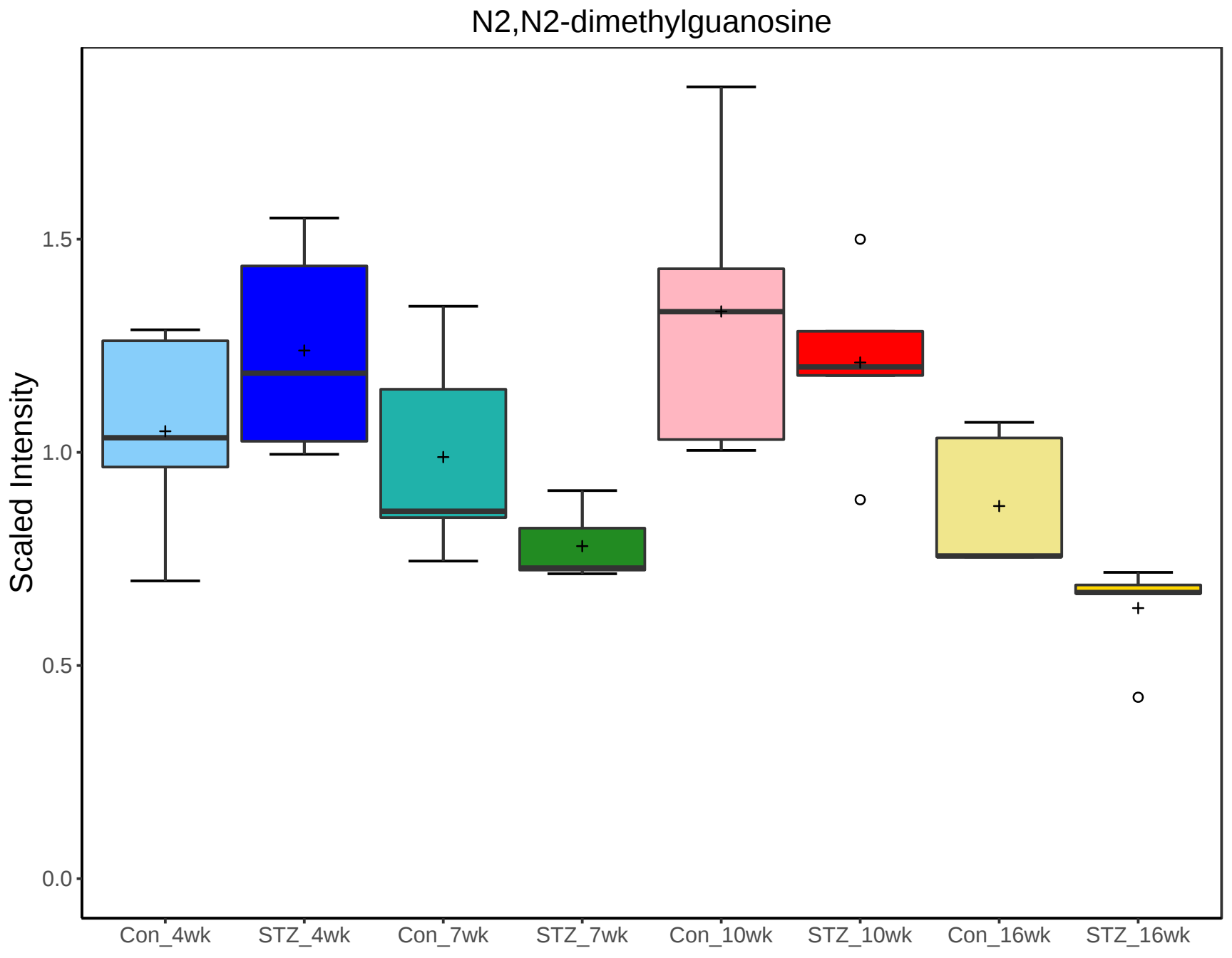

N6-carbamoylthreonyladenosine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

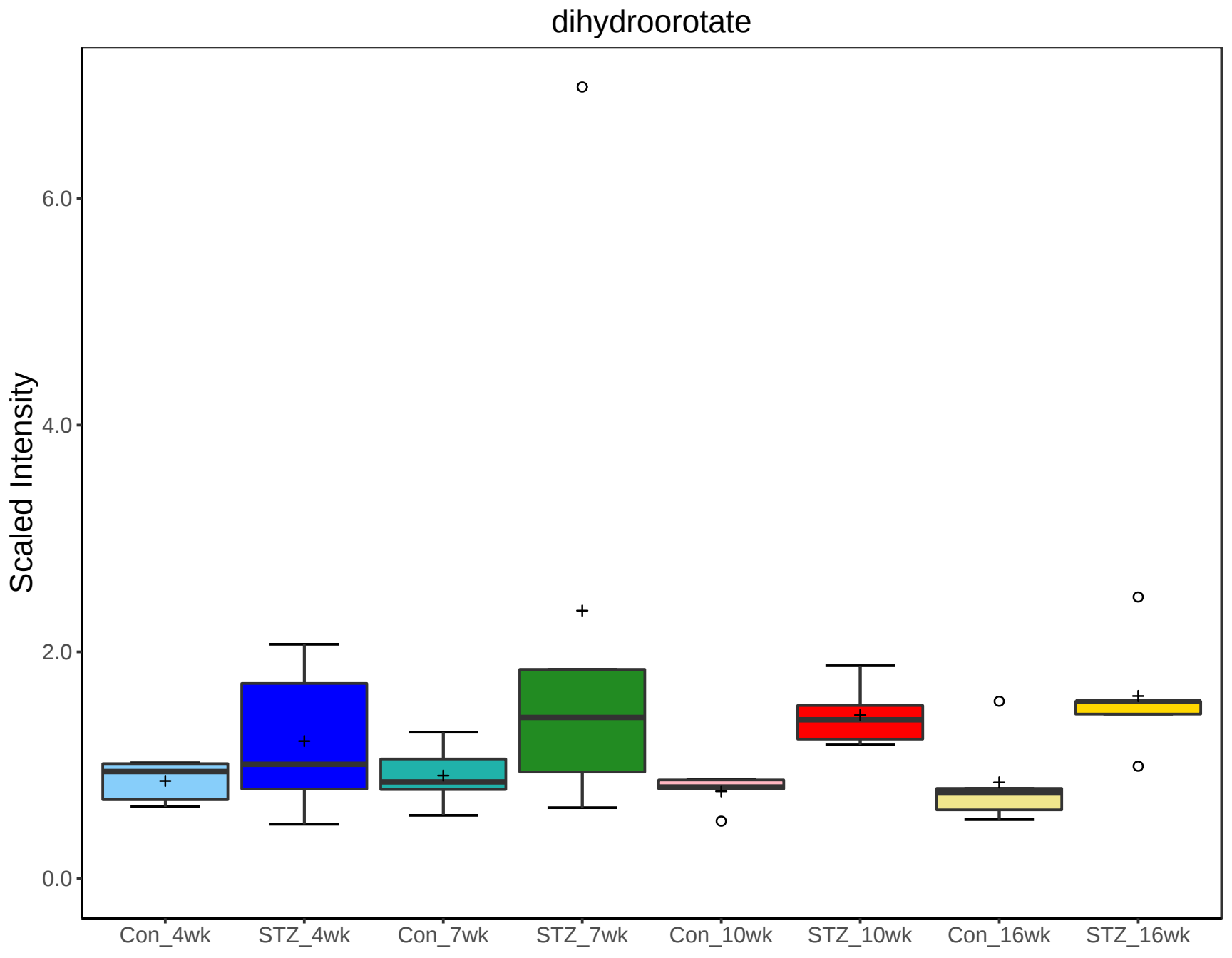

N6-succinyladenosine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

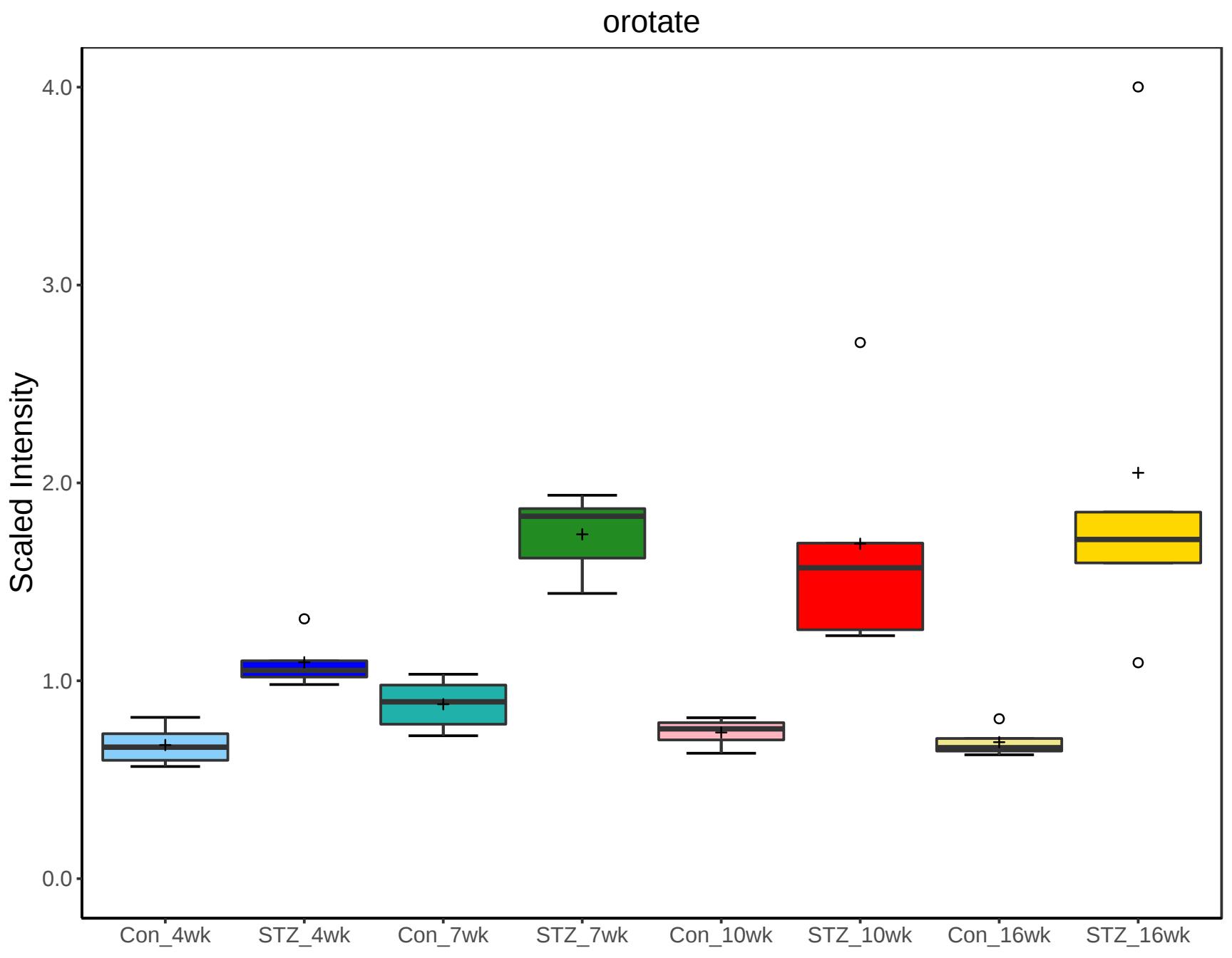

5'- GMP
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

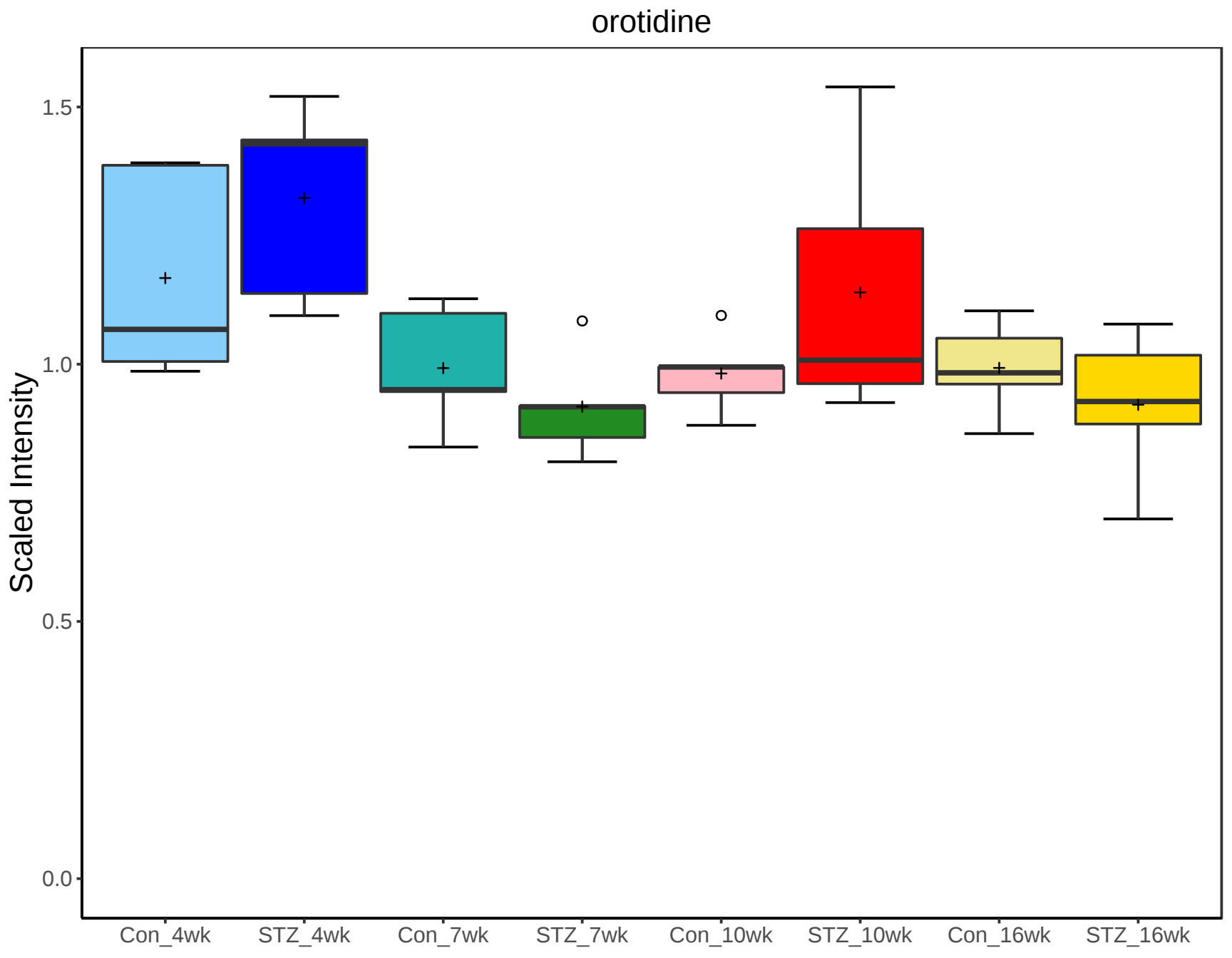

guanosine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

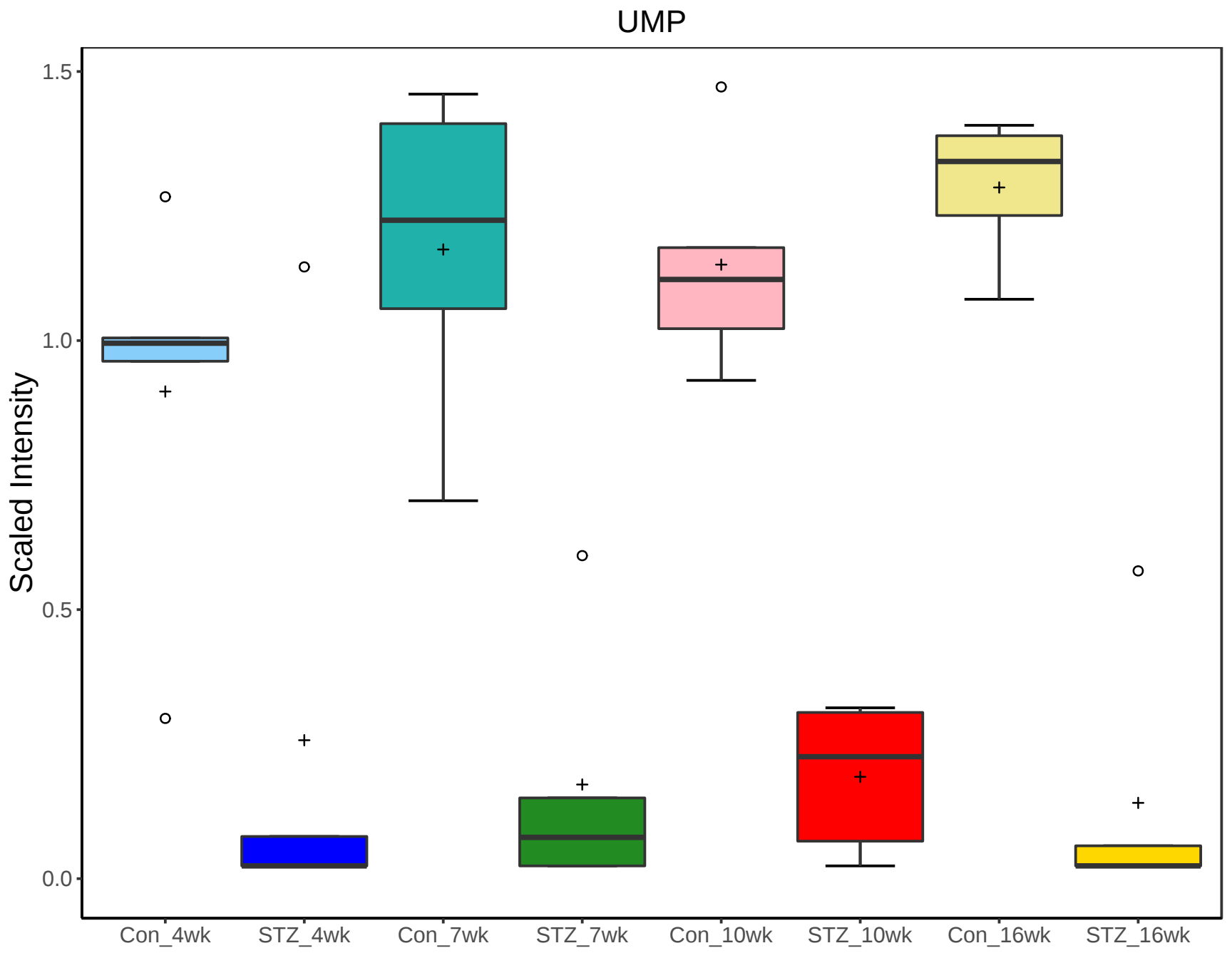

7-methylguanine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

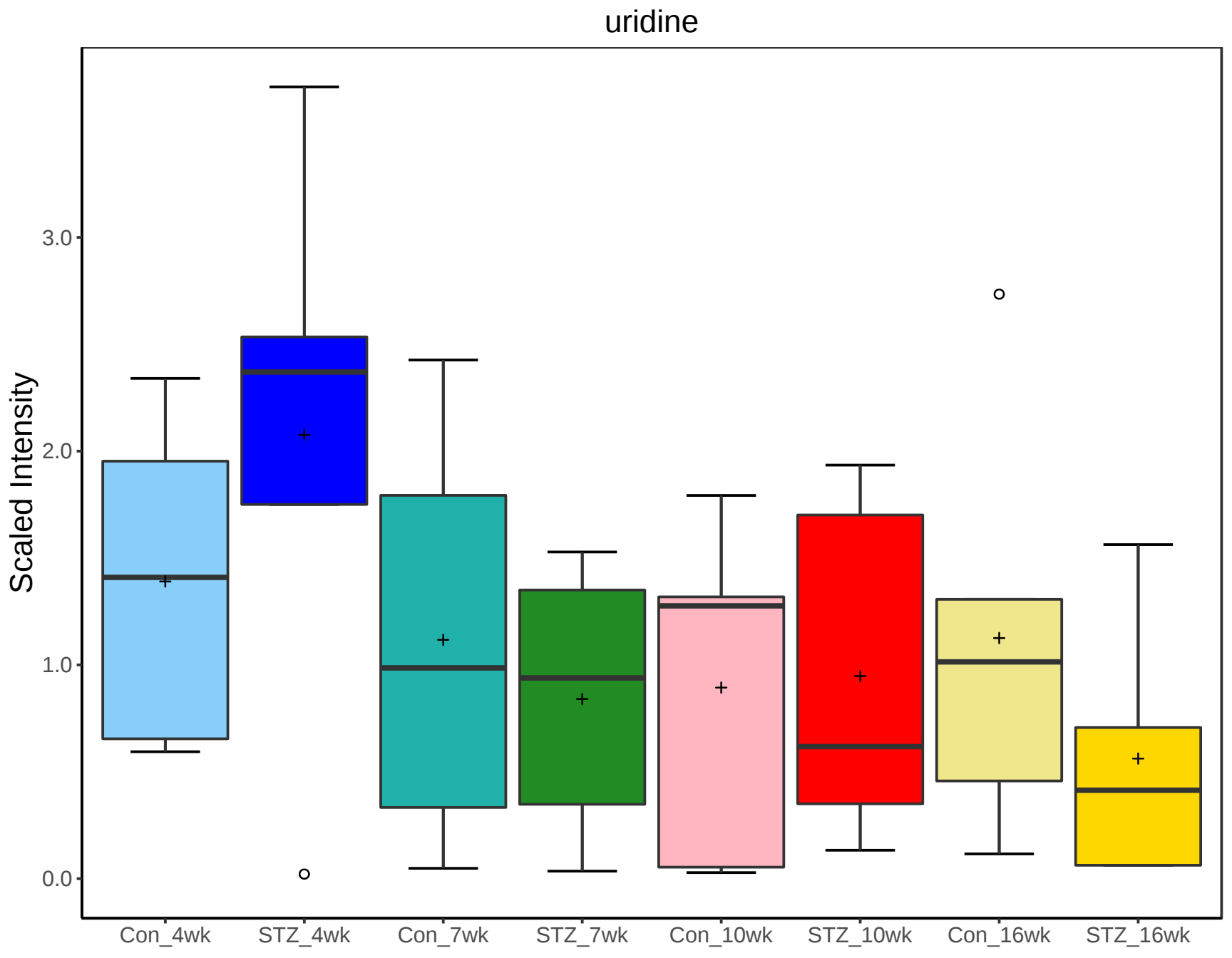

N2,N2-dimethylguanosine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

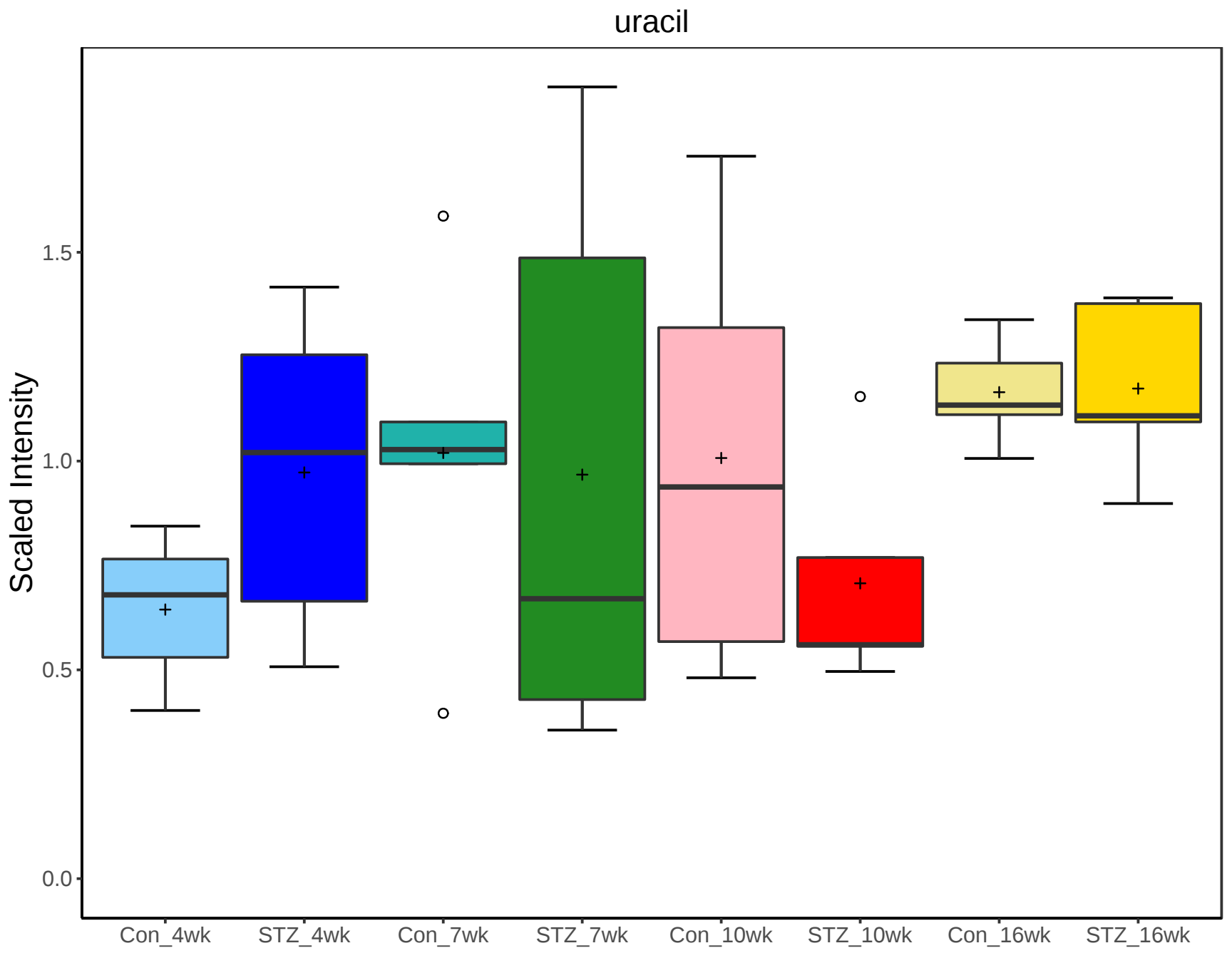

dihydroorotate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

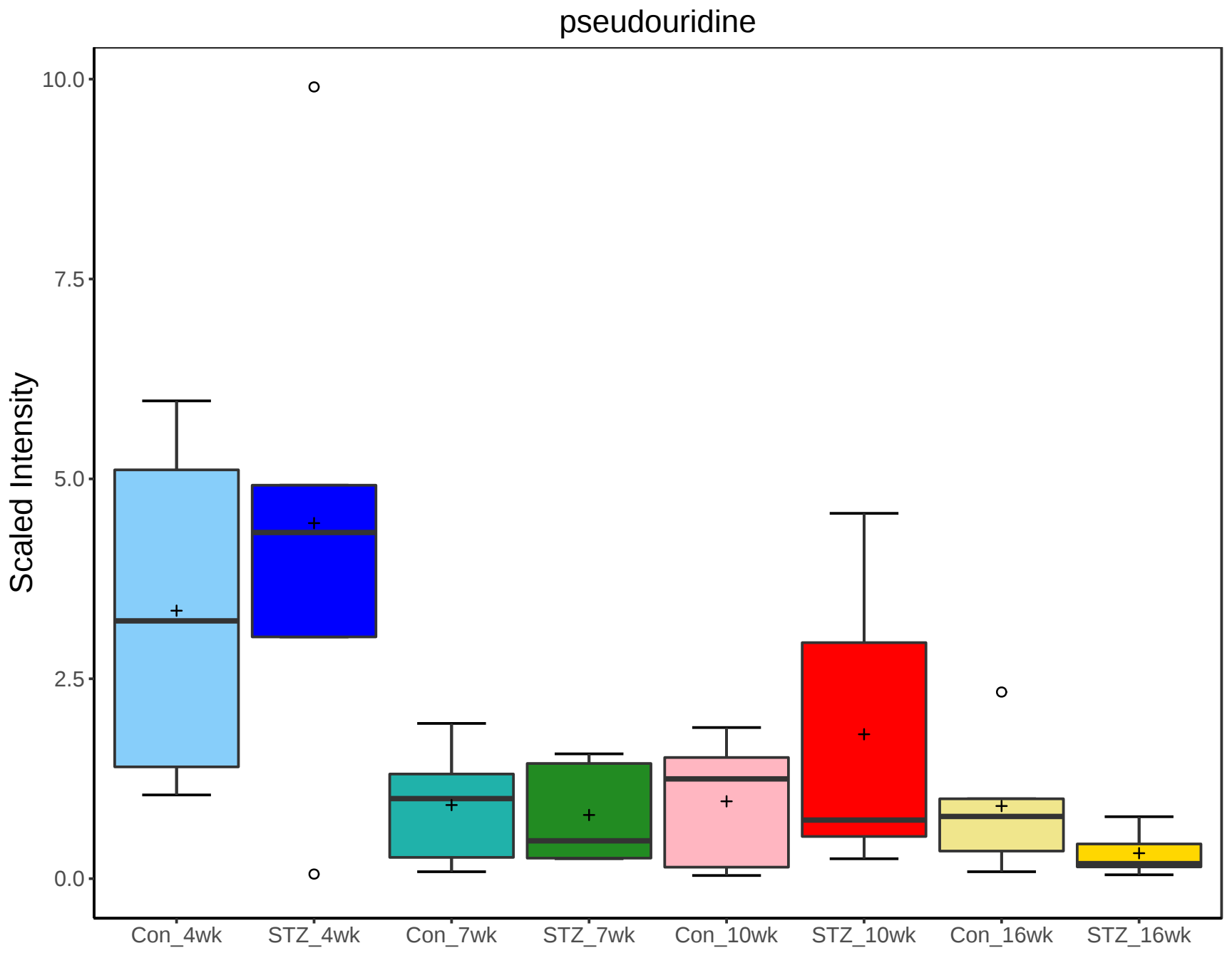

orotate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

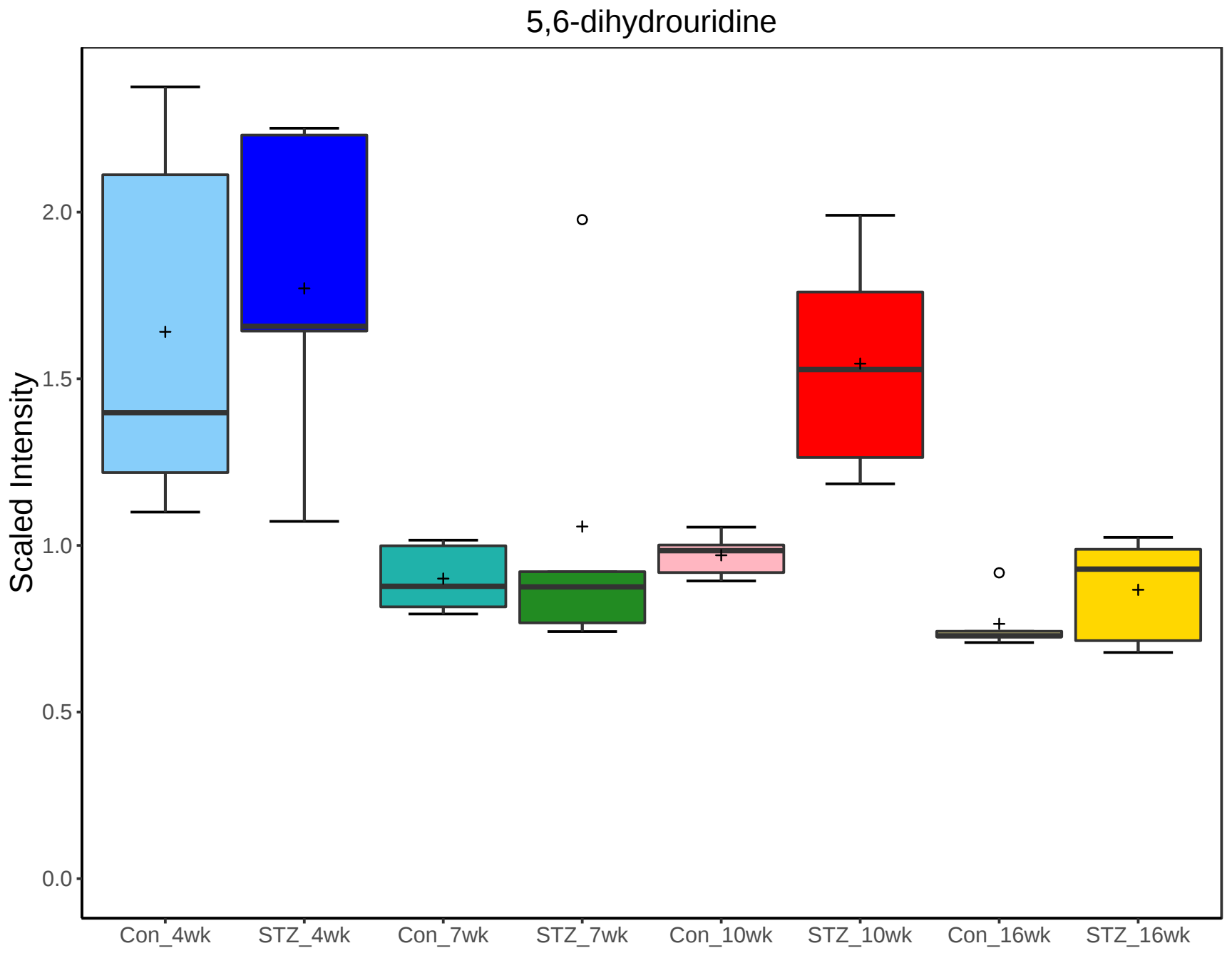

orotidine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

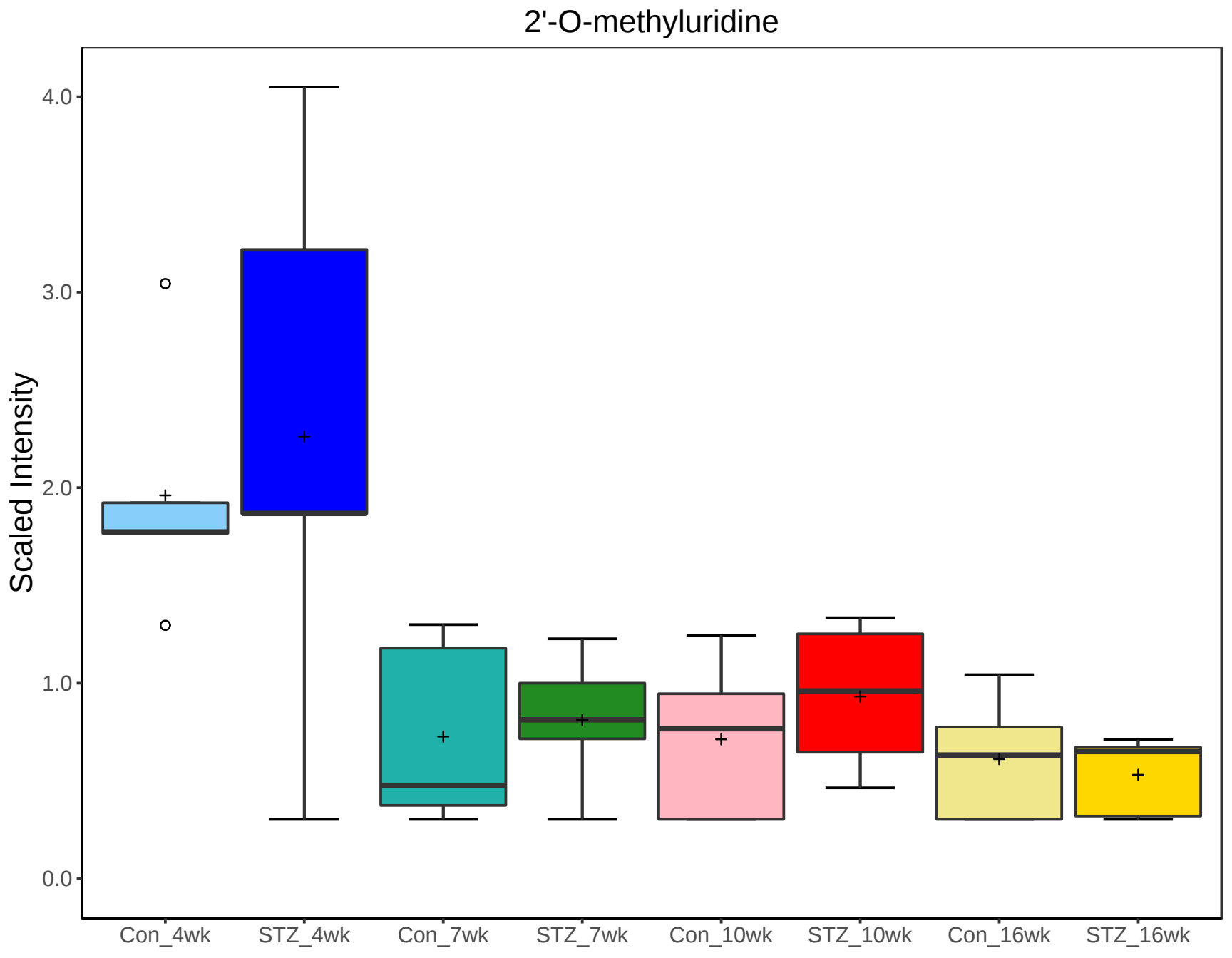

UMP
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

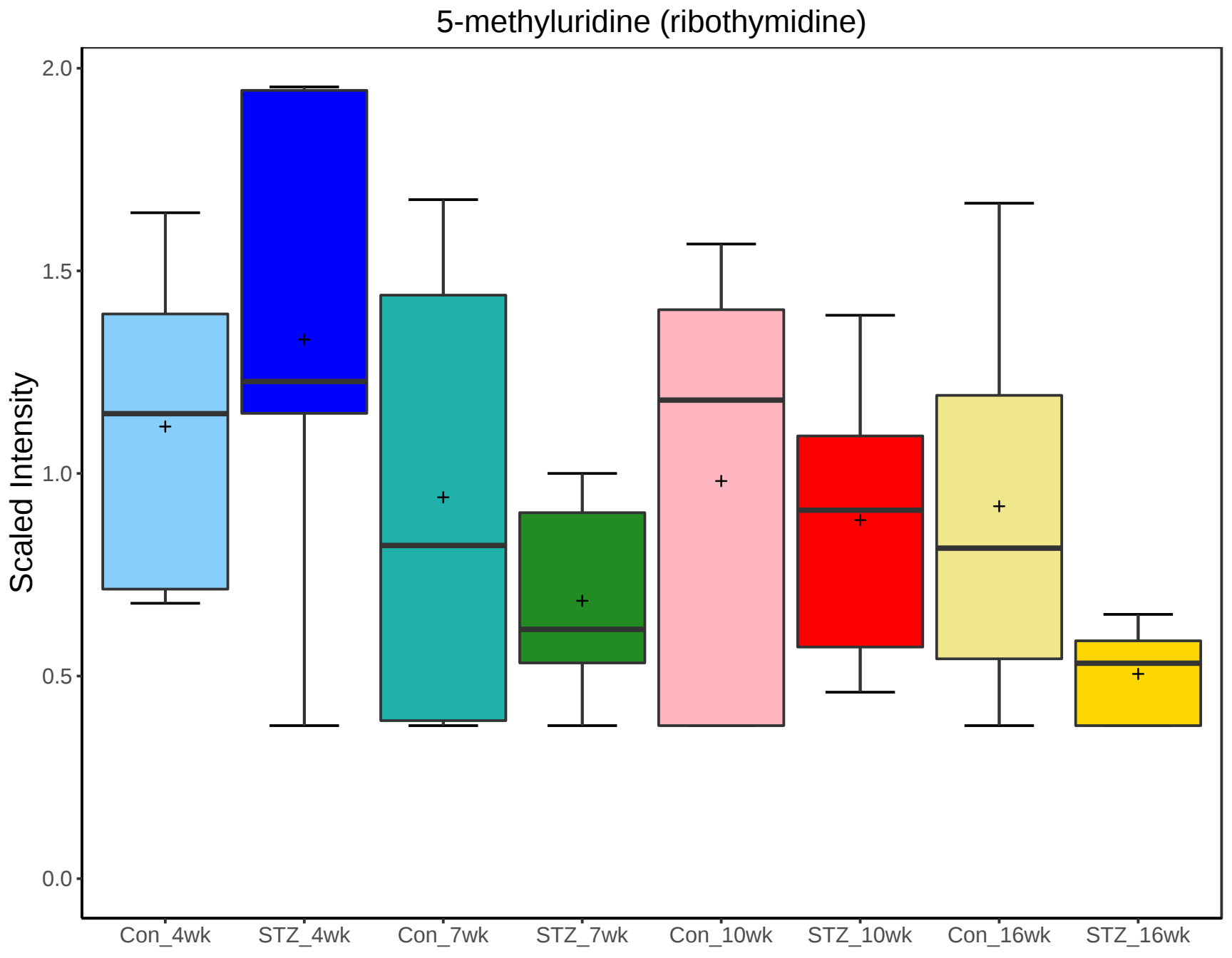

uridine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

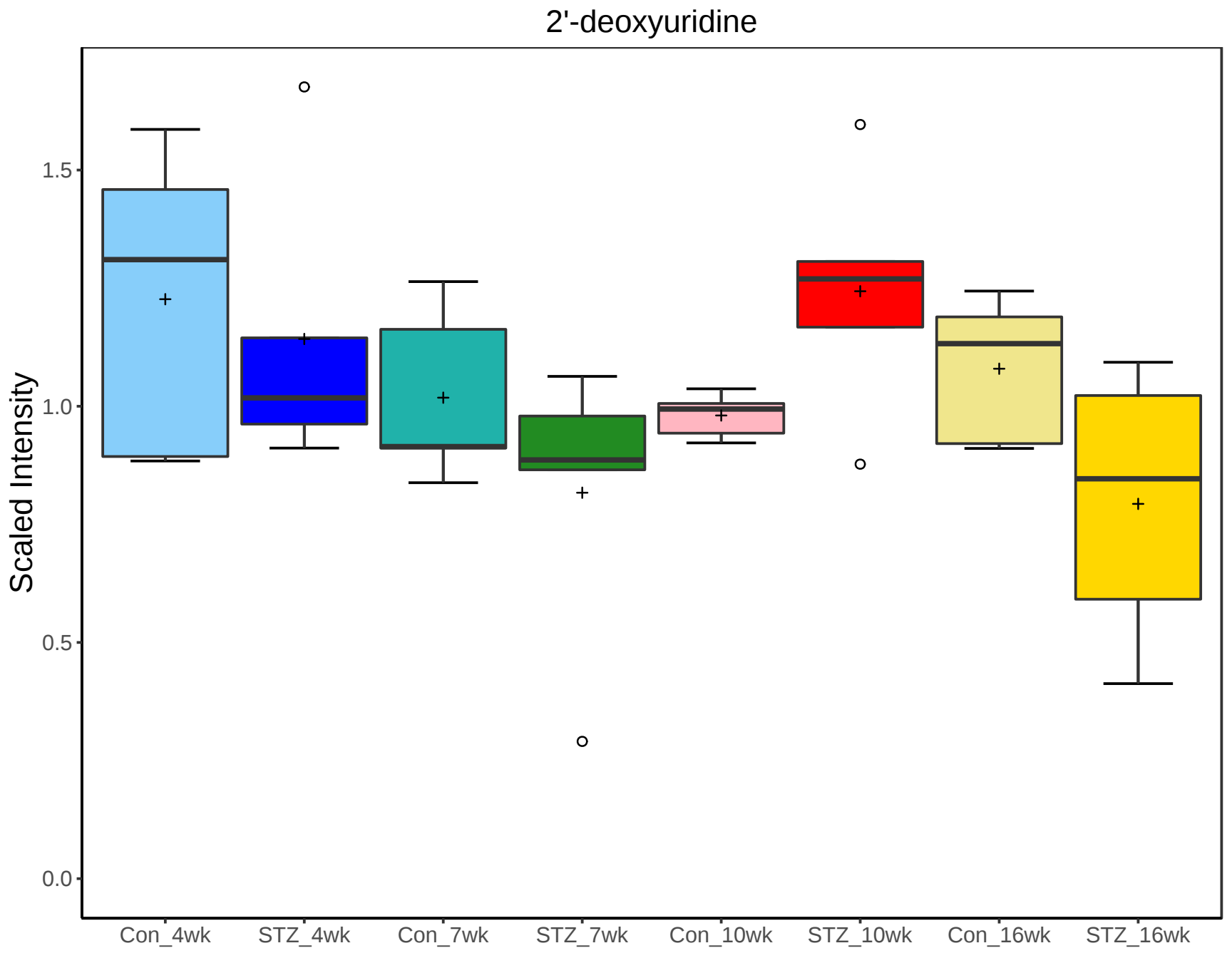

uracil
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

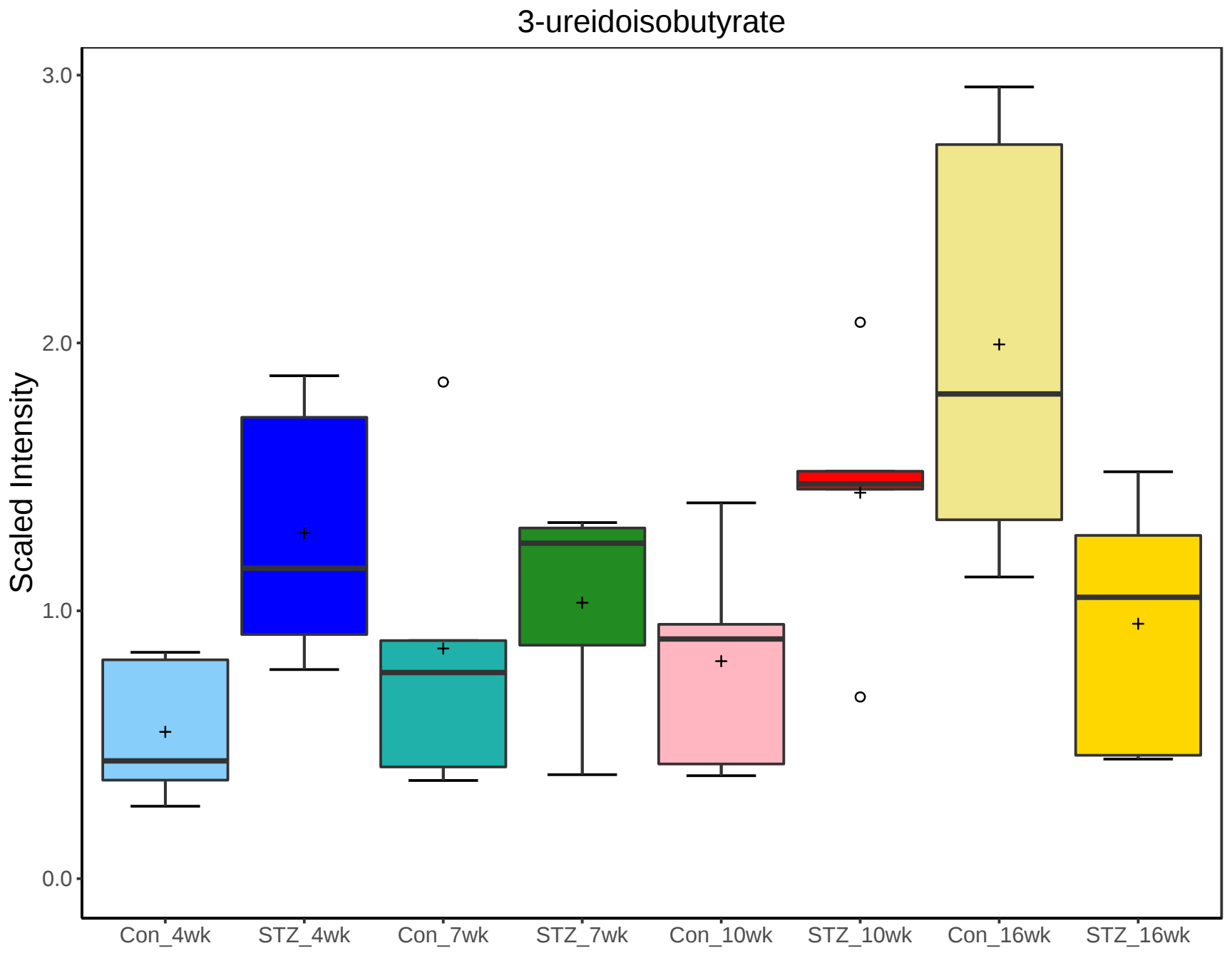

pseudouridine
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

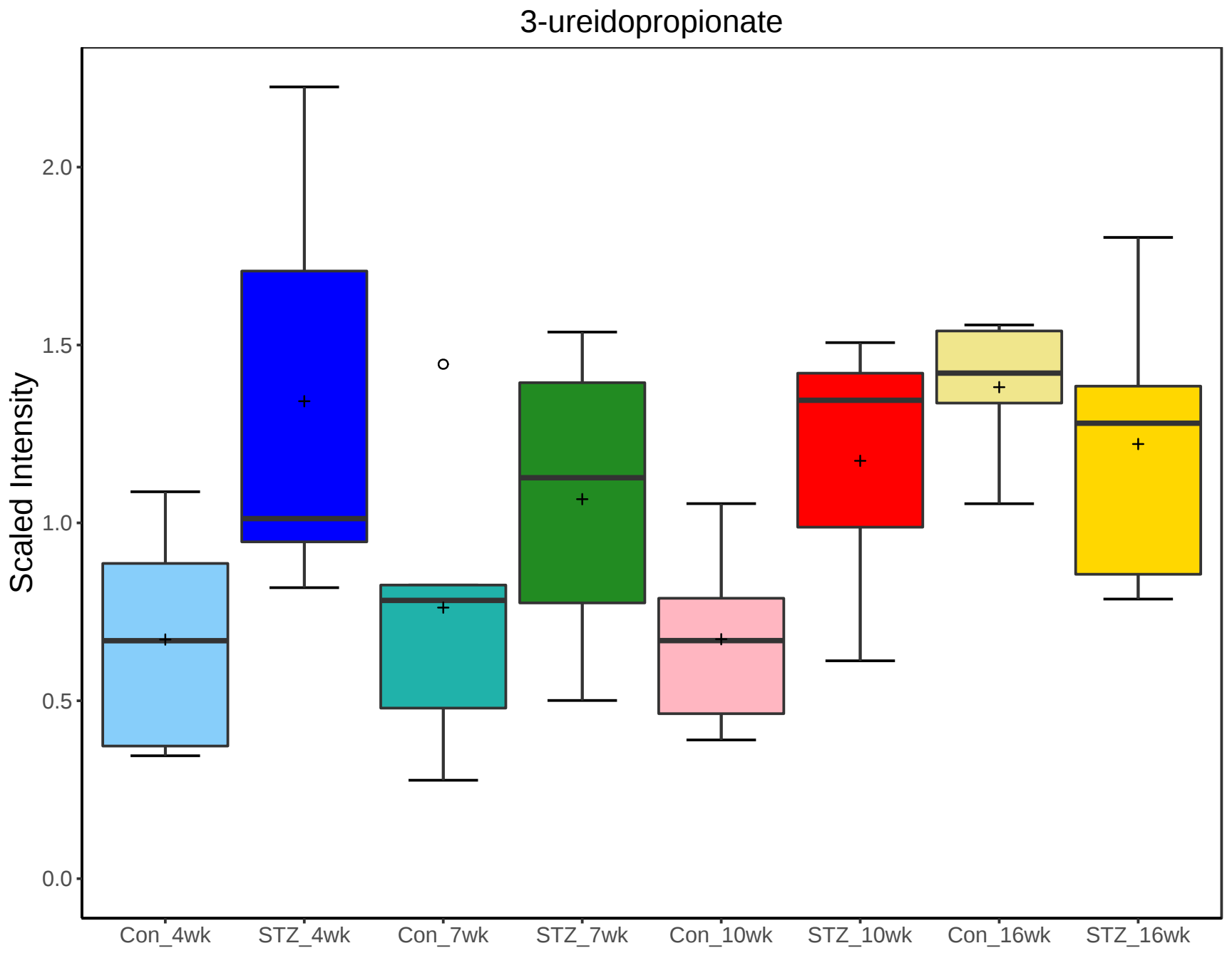

5,6-dihydrouridine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

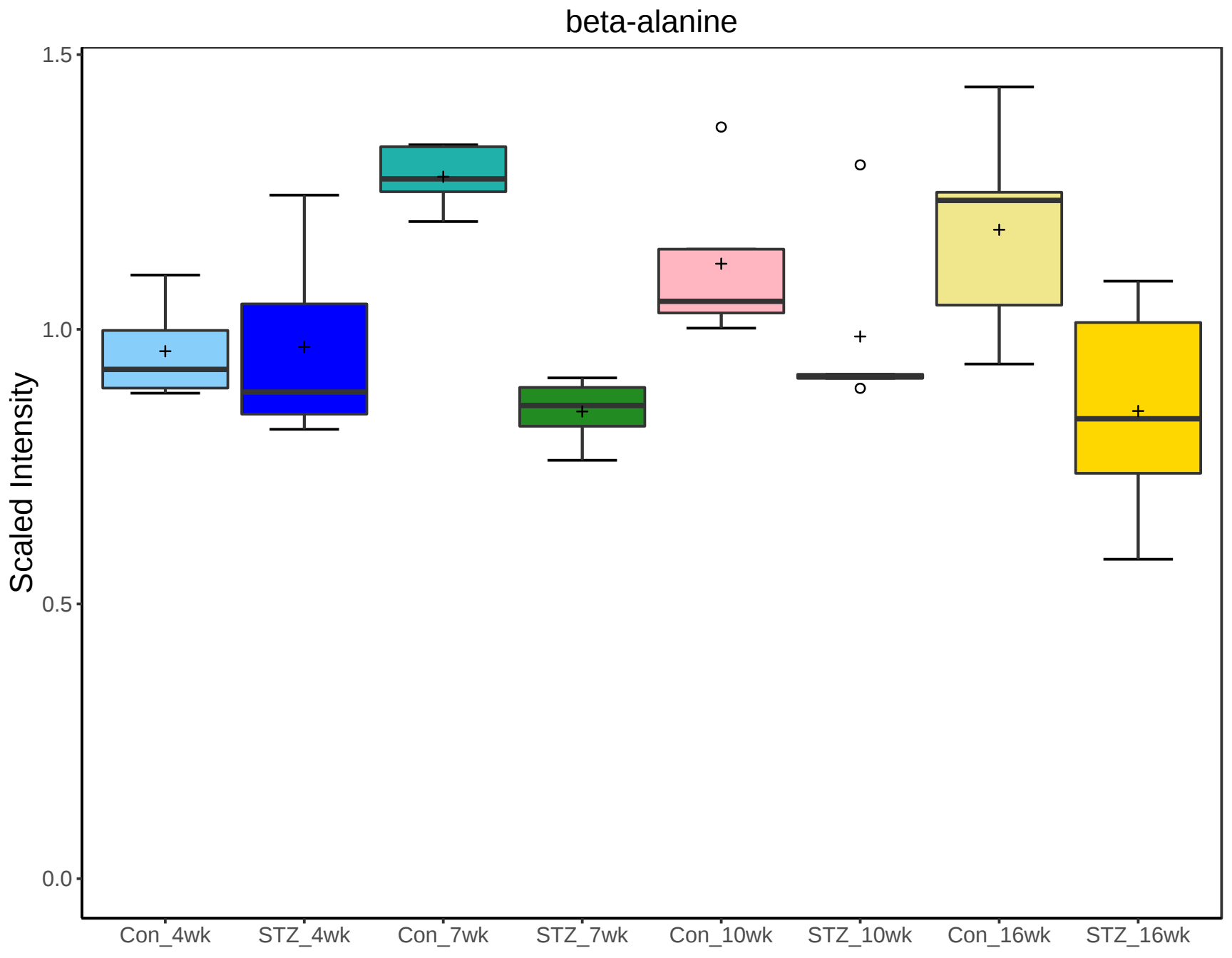

2'-O-methyluridine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

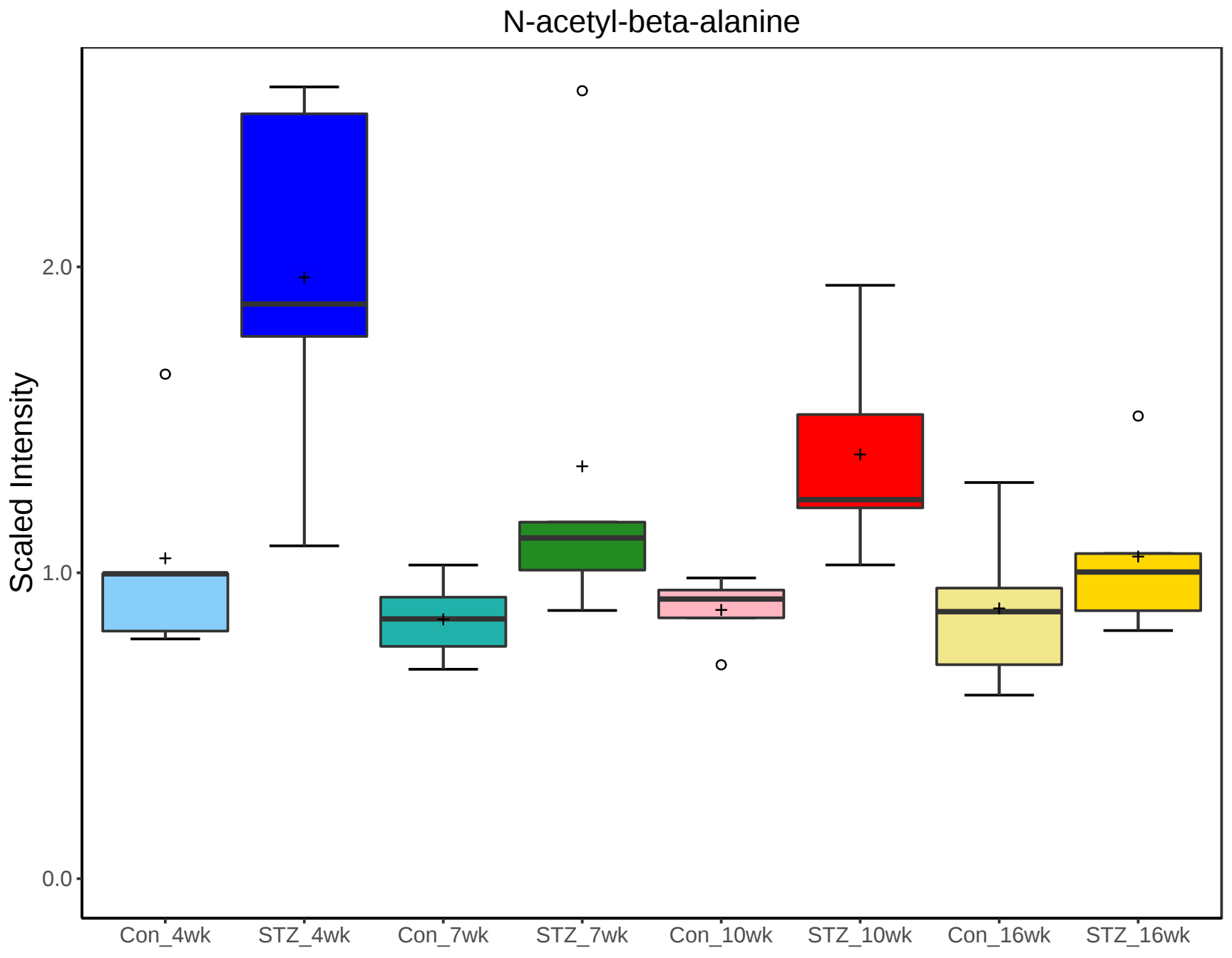

5-methyluridine (ribothymidine)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

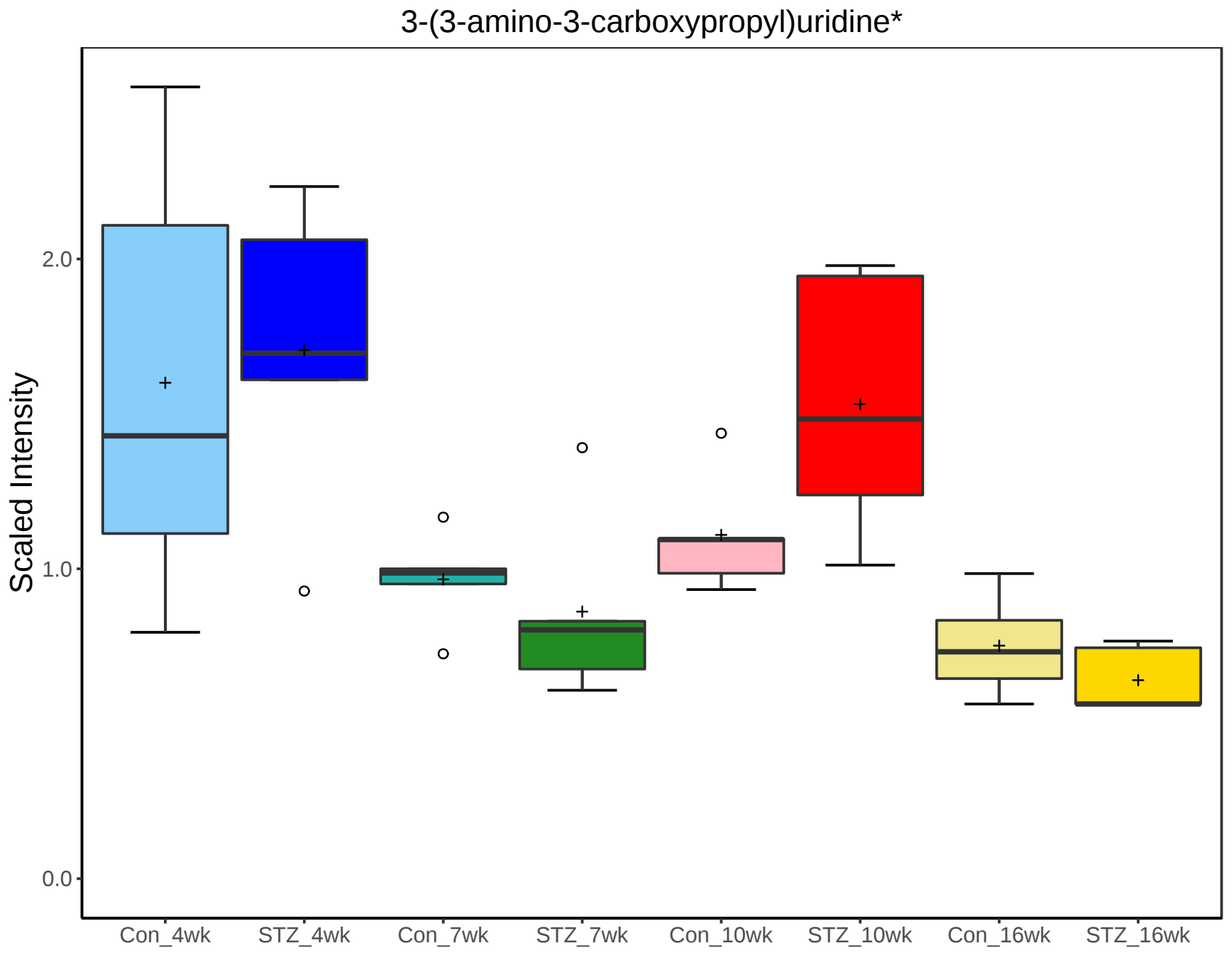

2'-deoxyuridine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

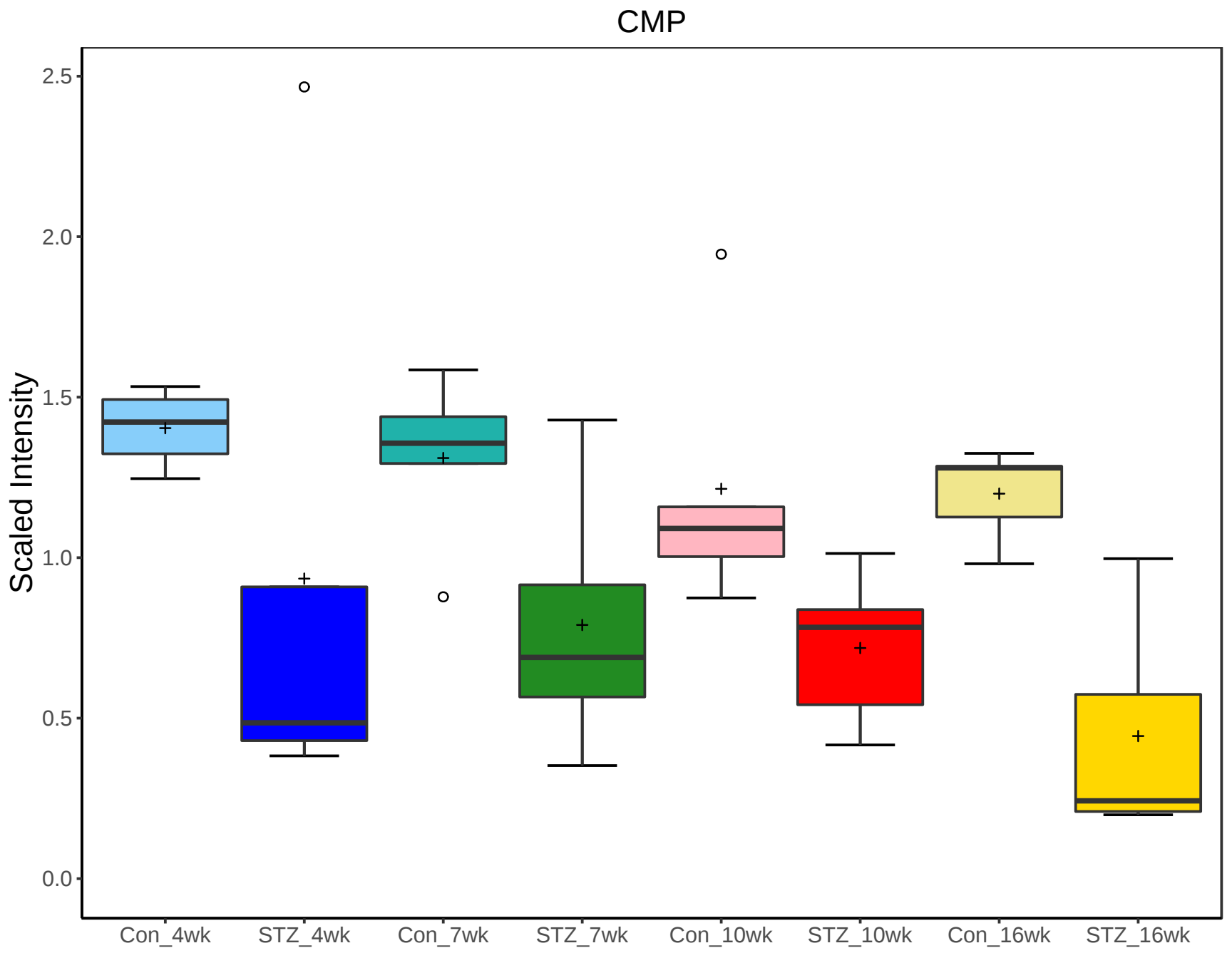

3-ureidoisobutyrate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

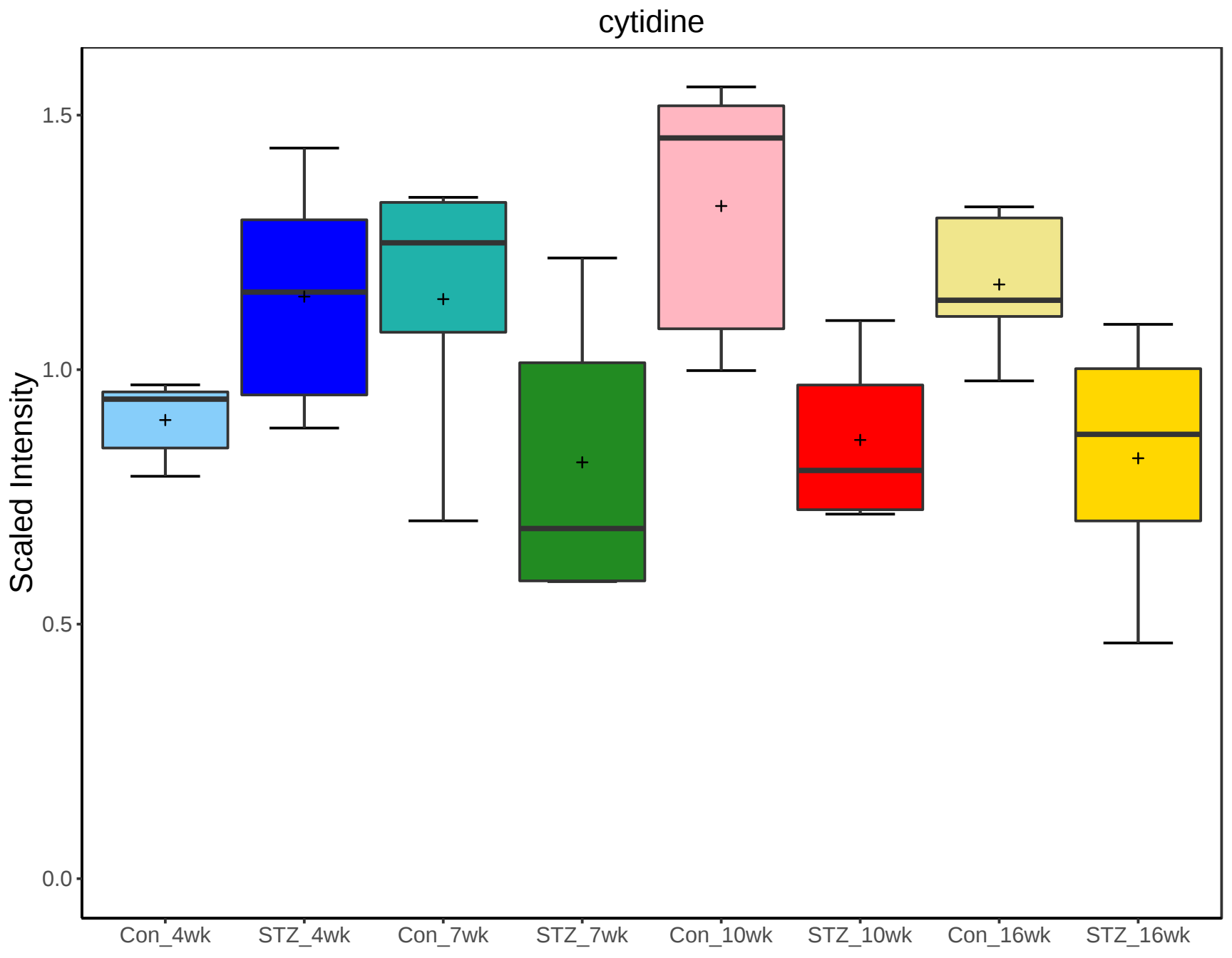

3-ureidopropionate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

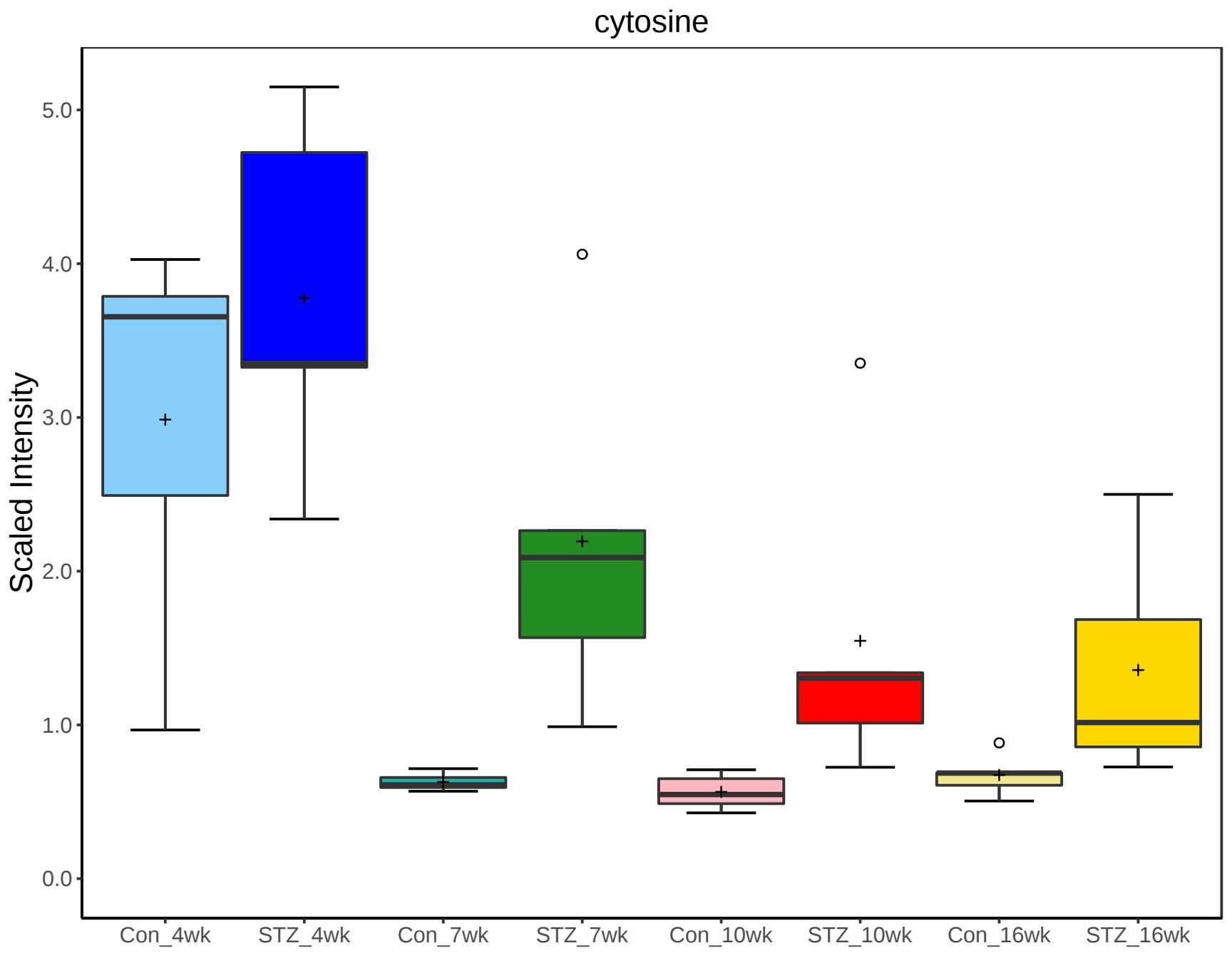

beta-alanine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

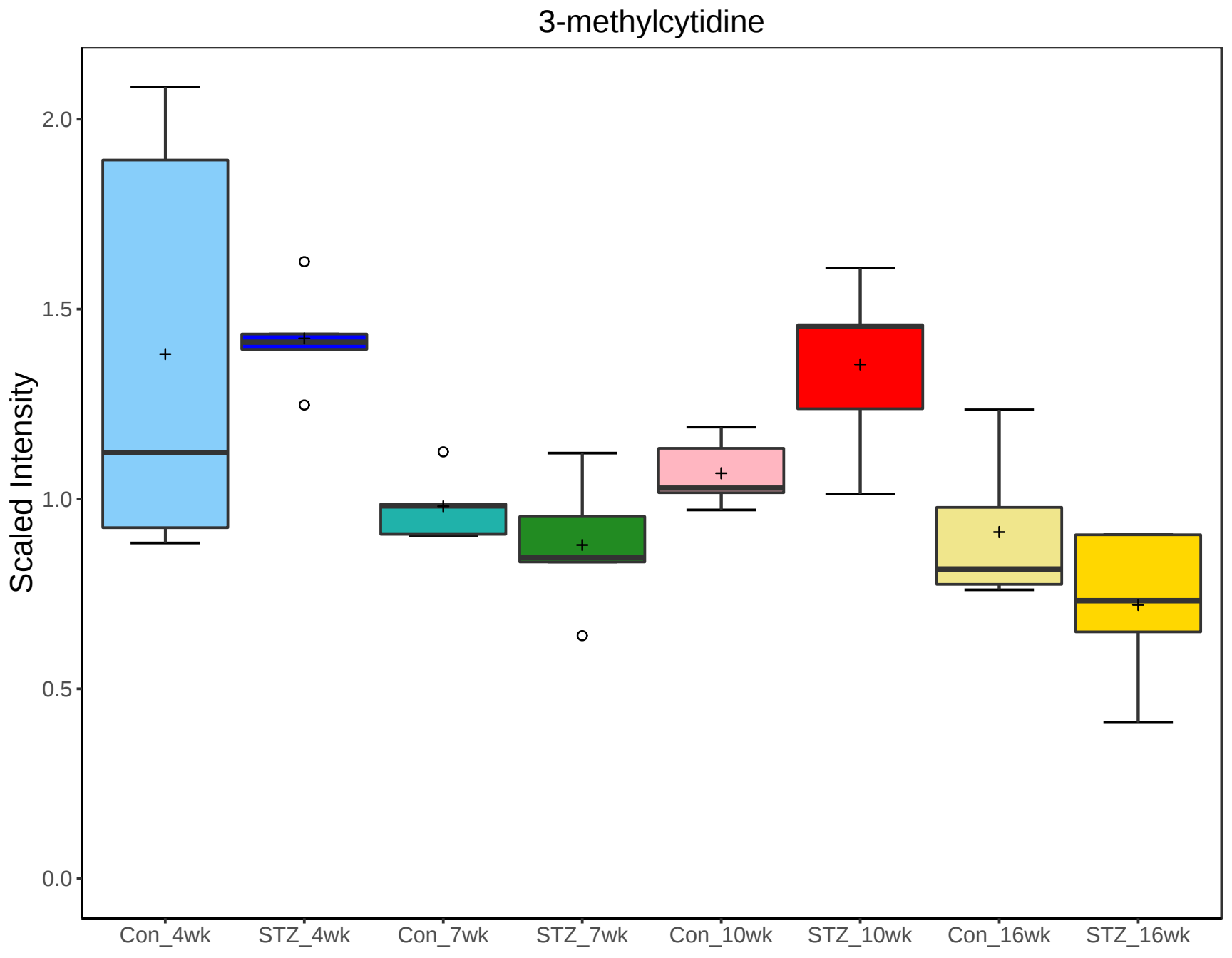

N-acetyl-beta-alanine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

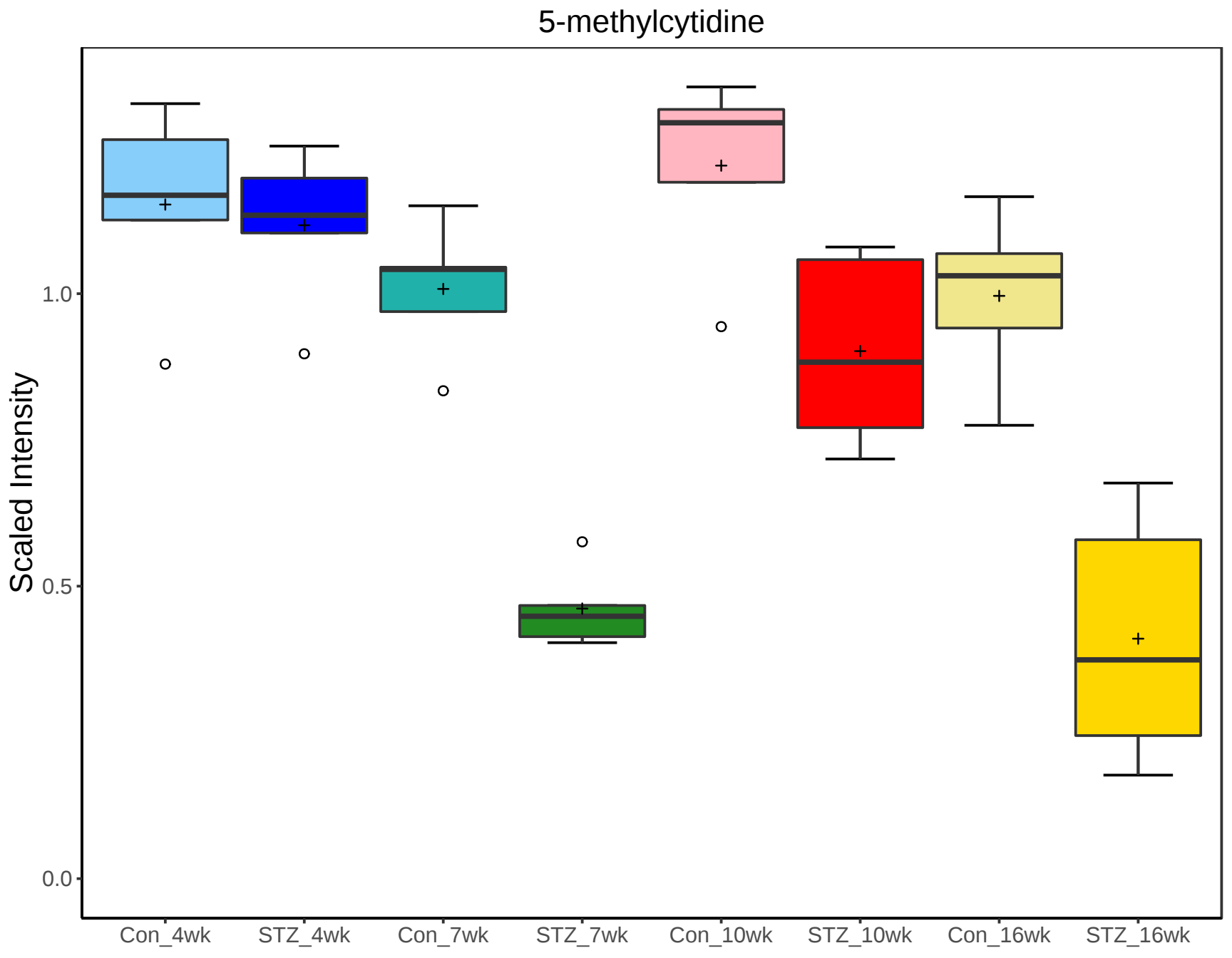

3-(3-amino-3-carboxypropyl)uridine*
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

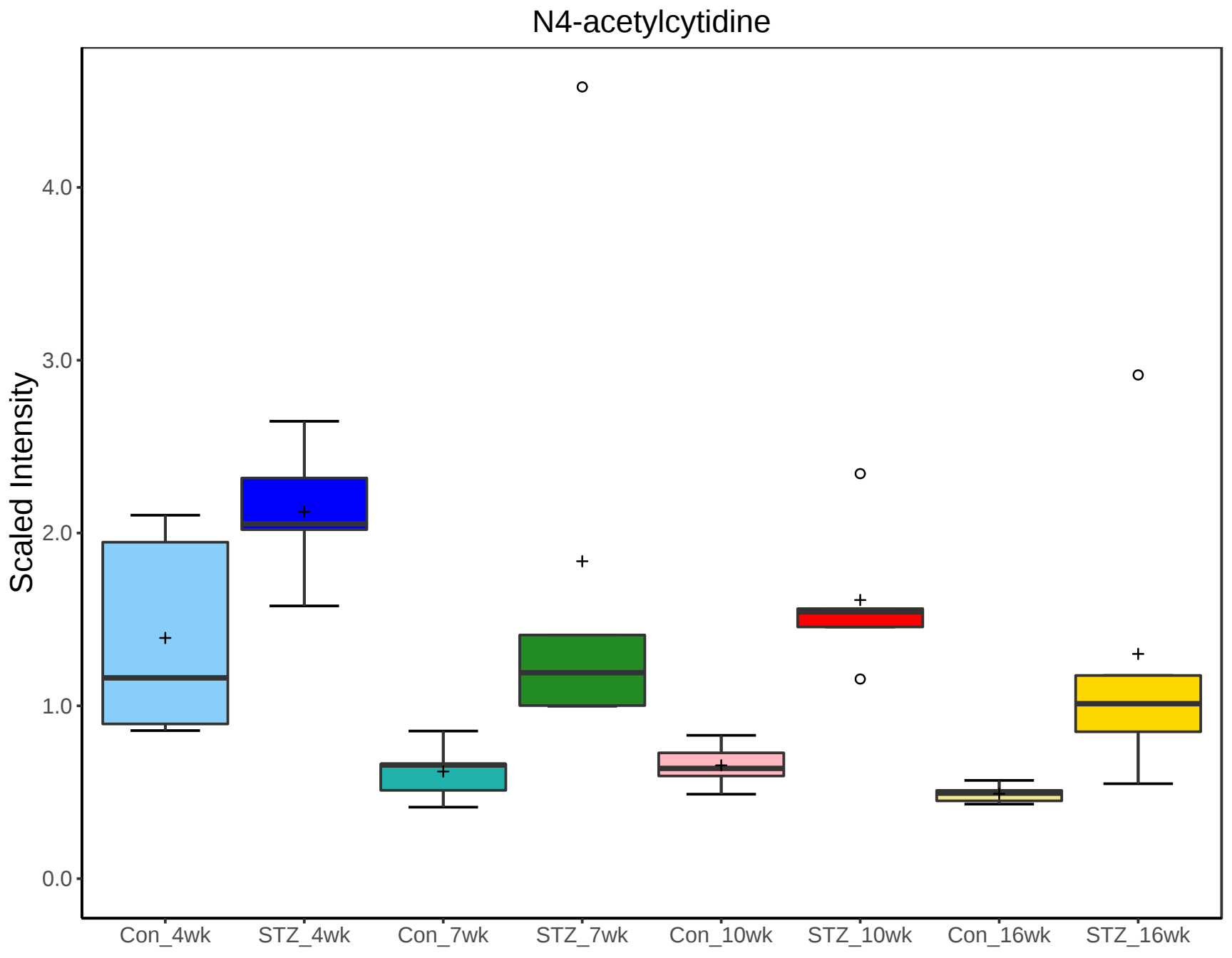

CMP
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

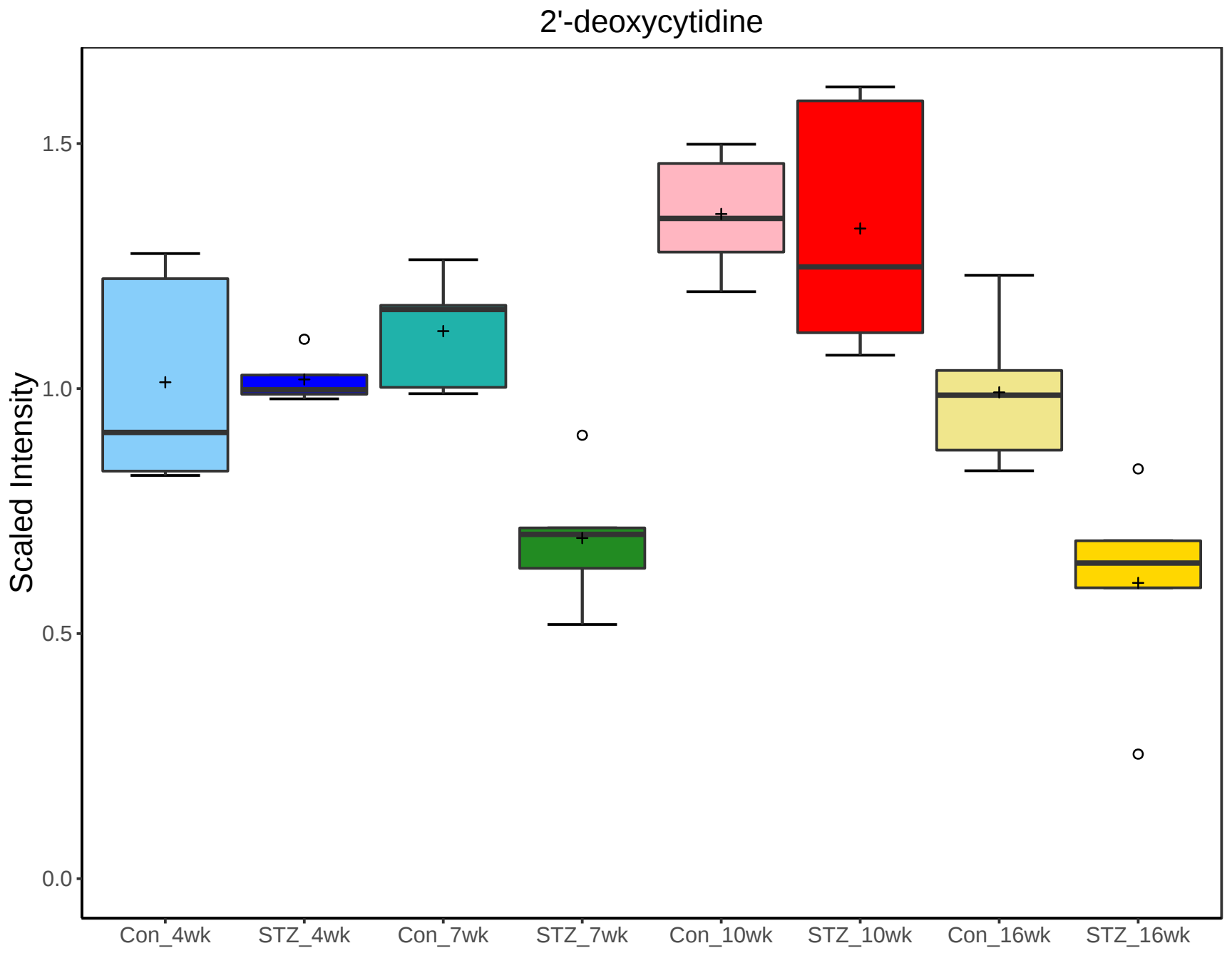

cytidine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

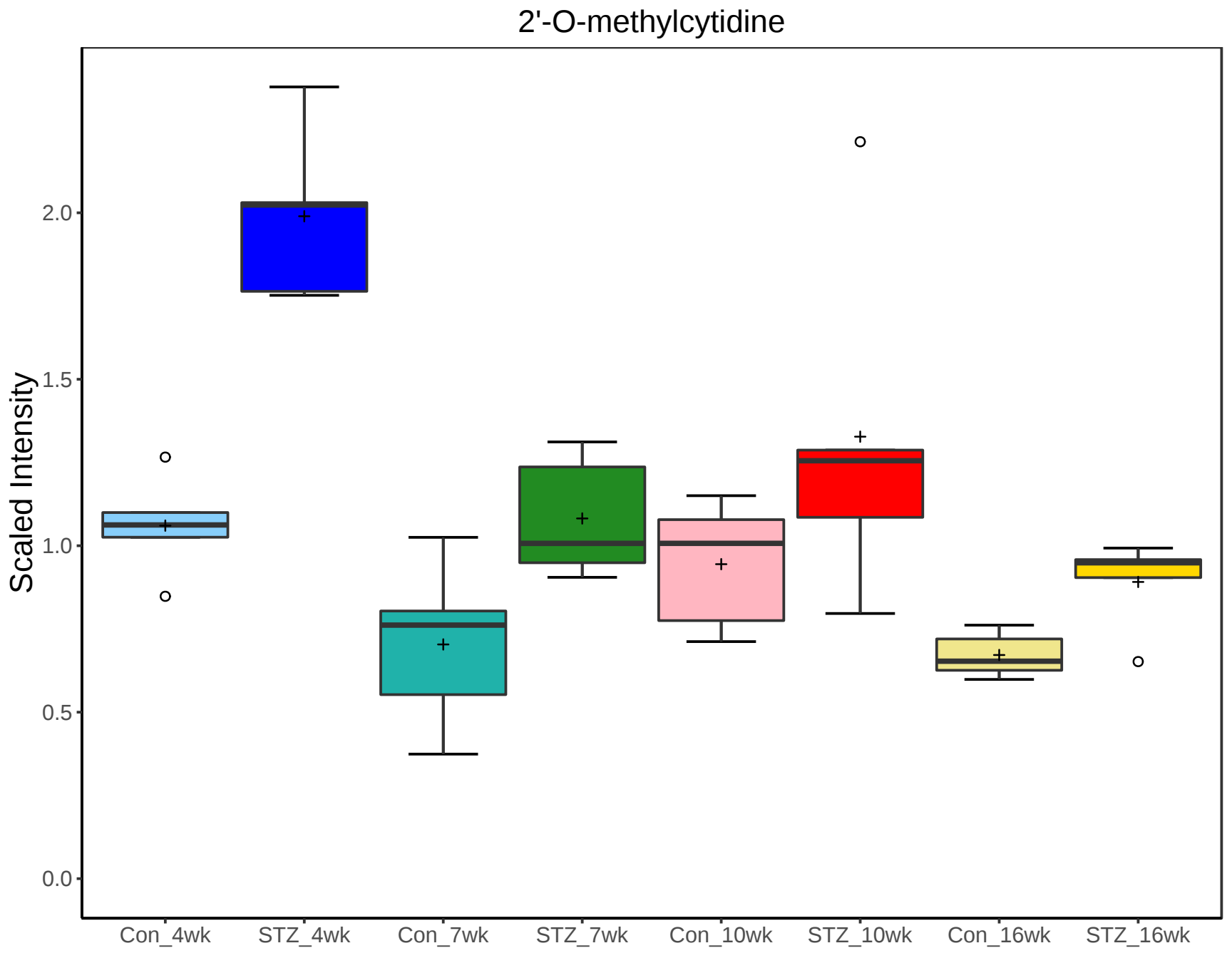

cytosine
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

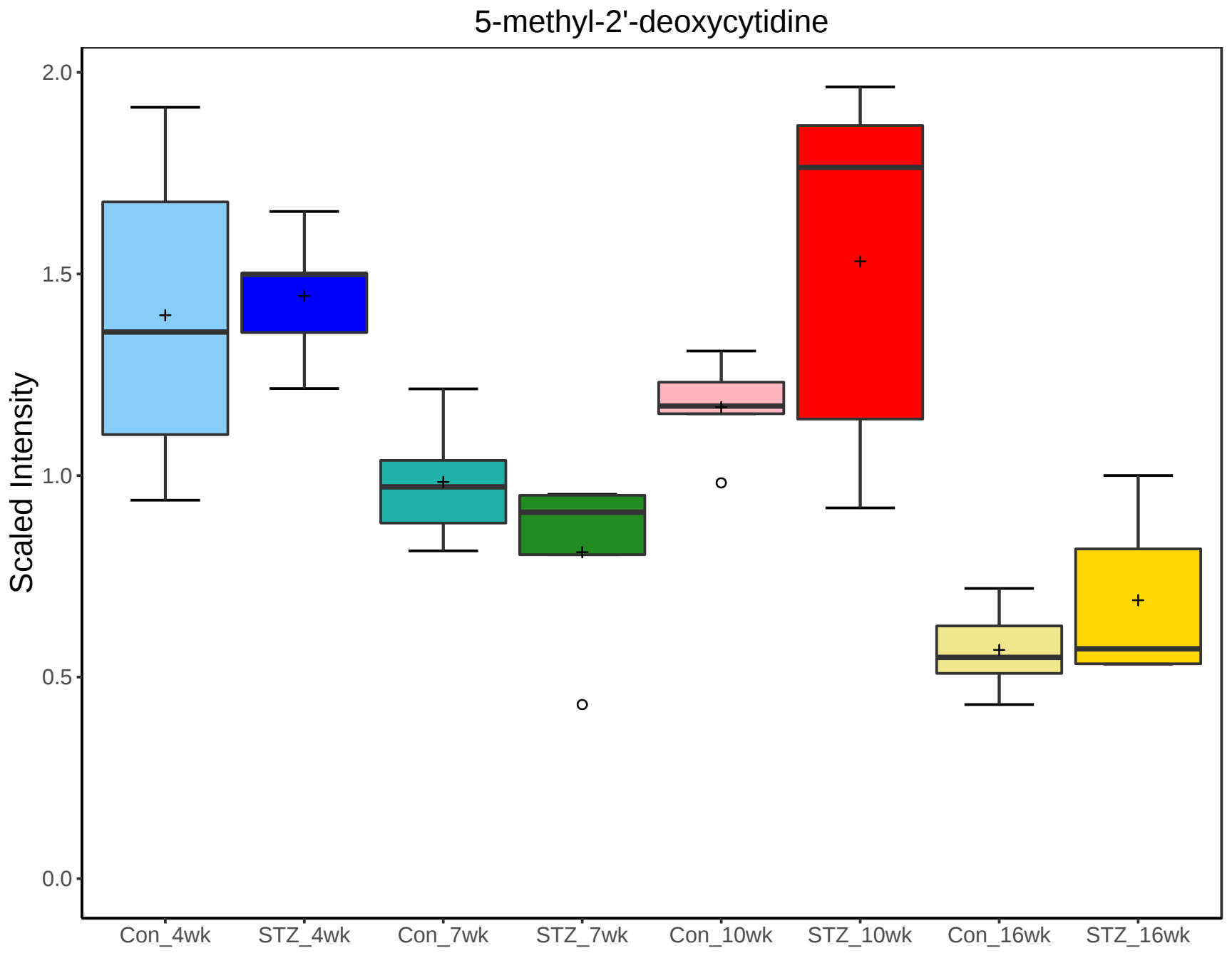

3-methylcytidine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

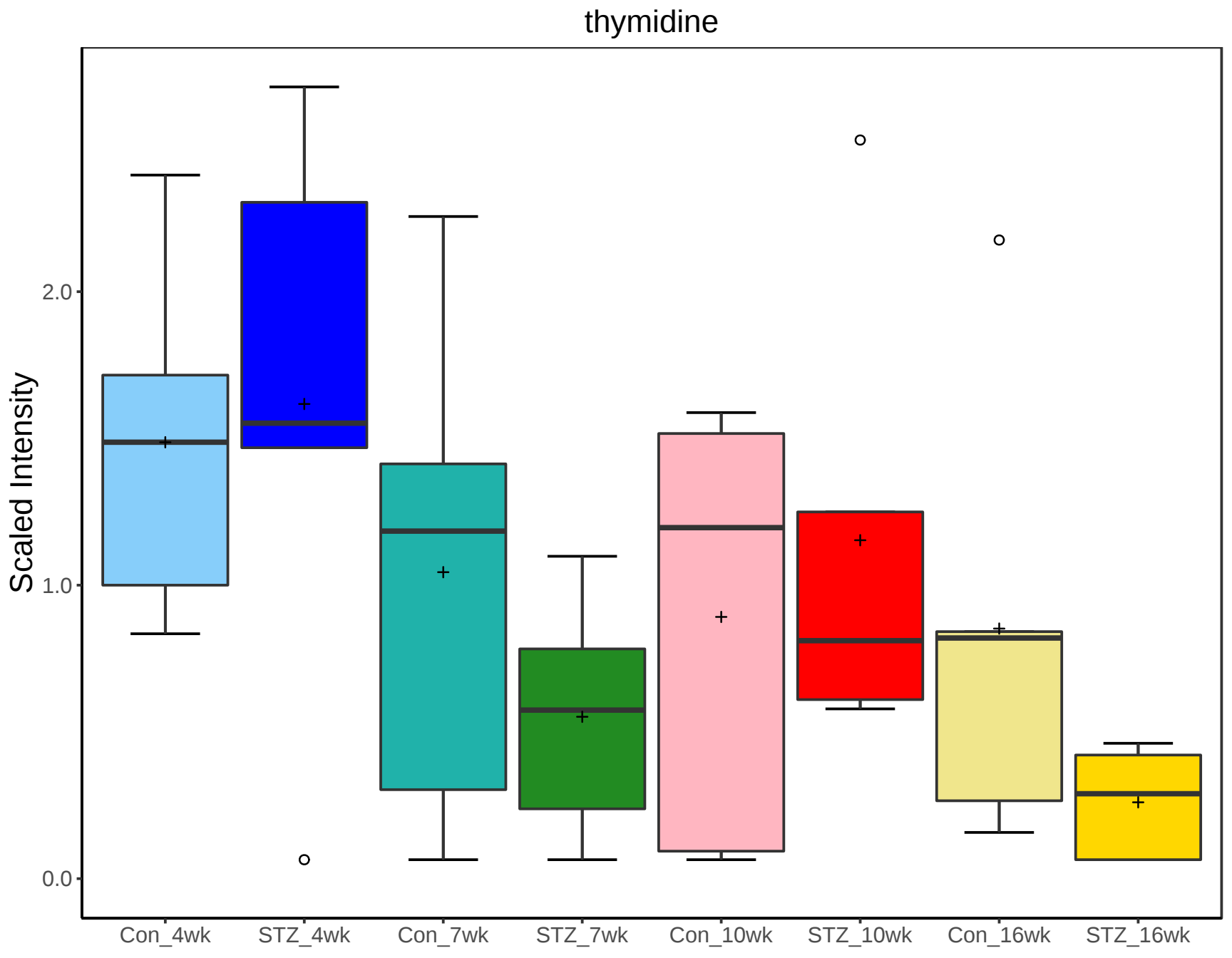

5-methylcytidine
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

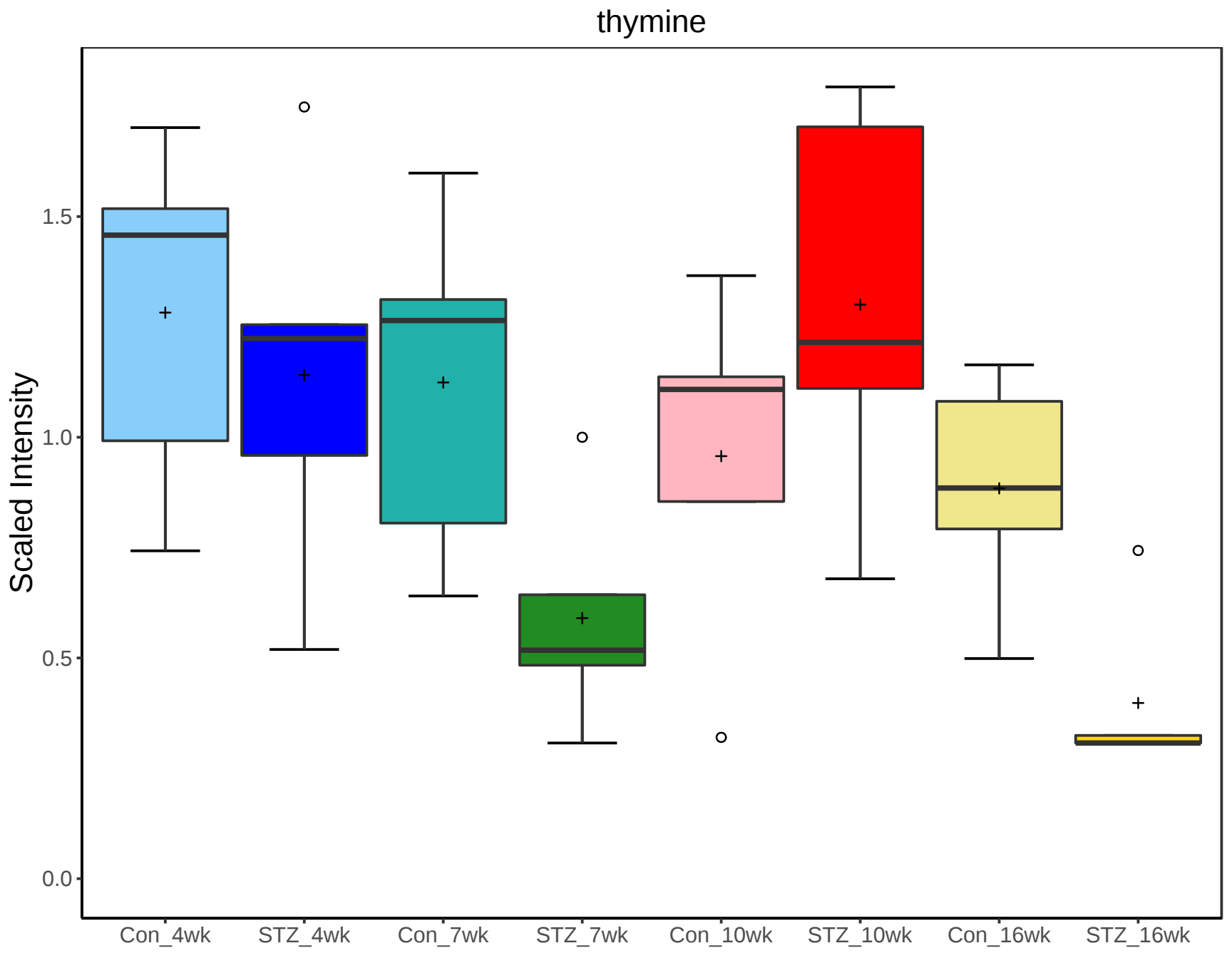

N4-acetylcytidine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

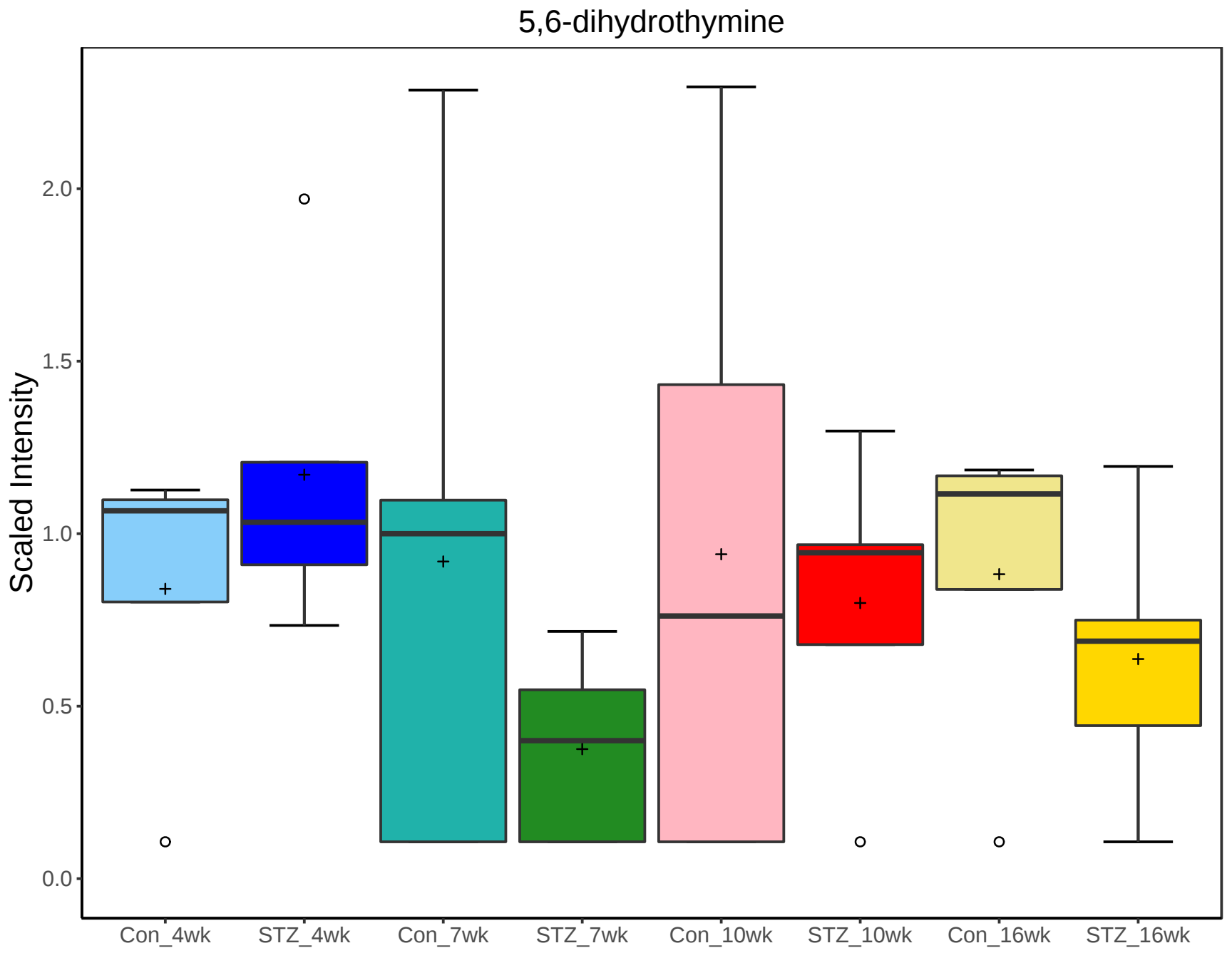

2'-deoxycytidine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

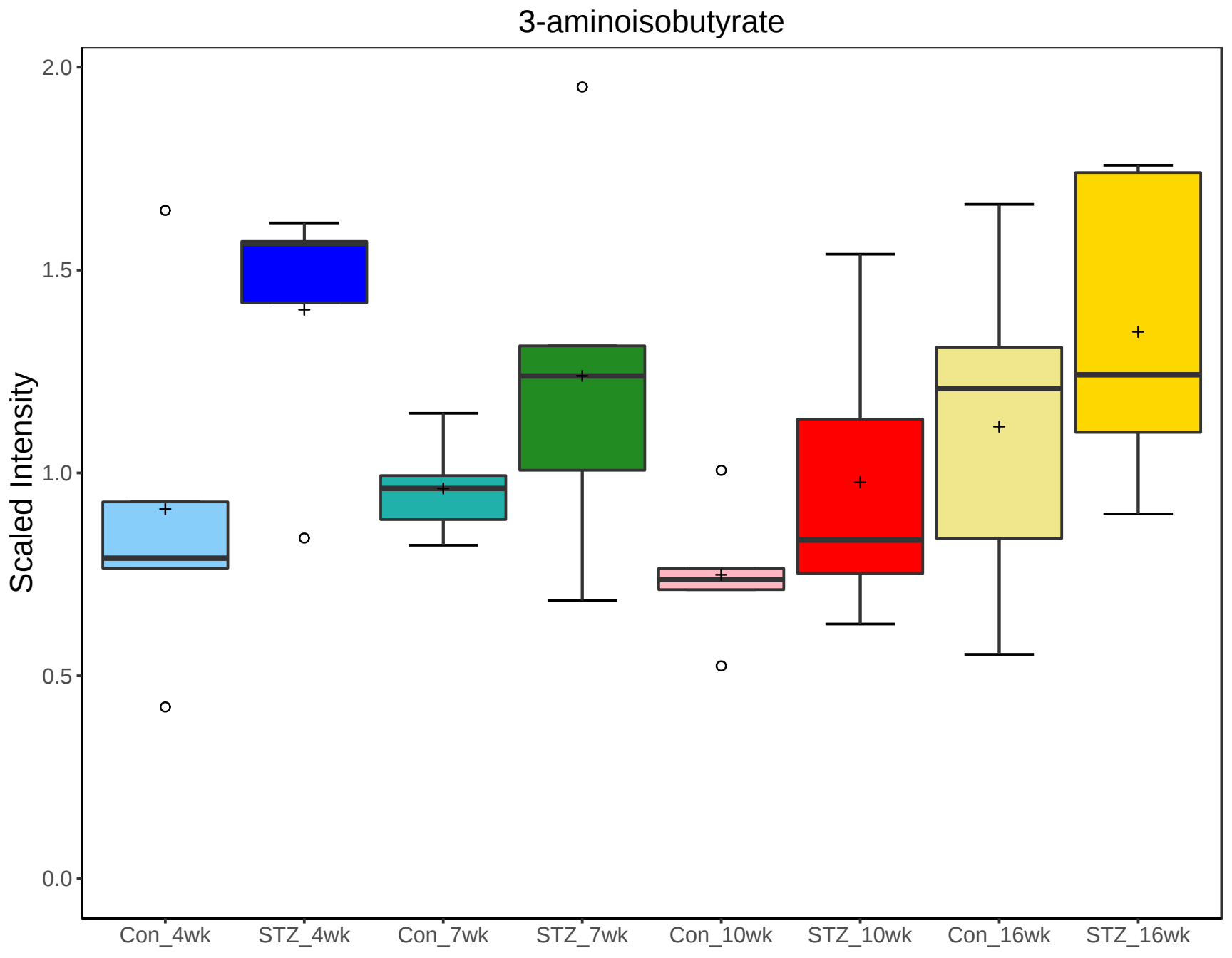

2'-O-methylcytidine
Scaled Intensity
0.0
0.5
1.0
1.5
2.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

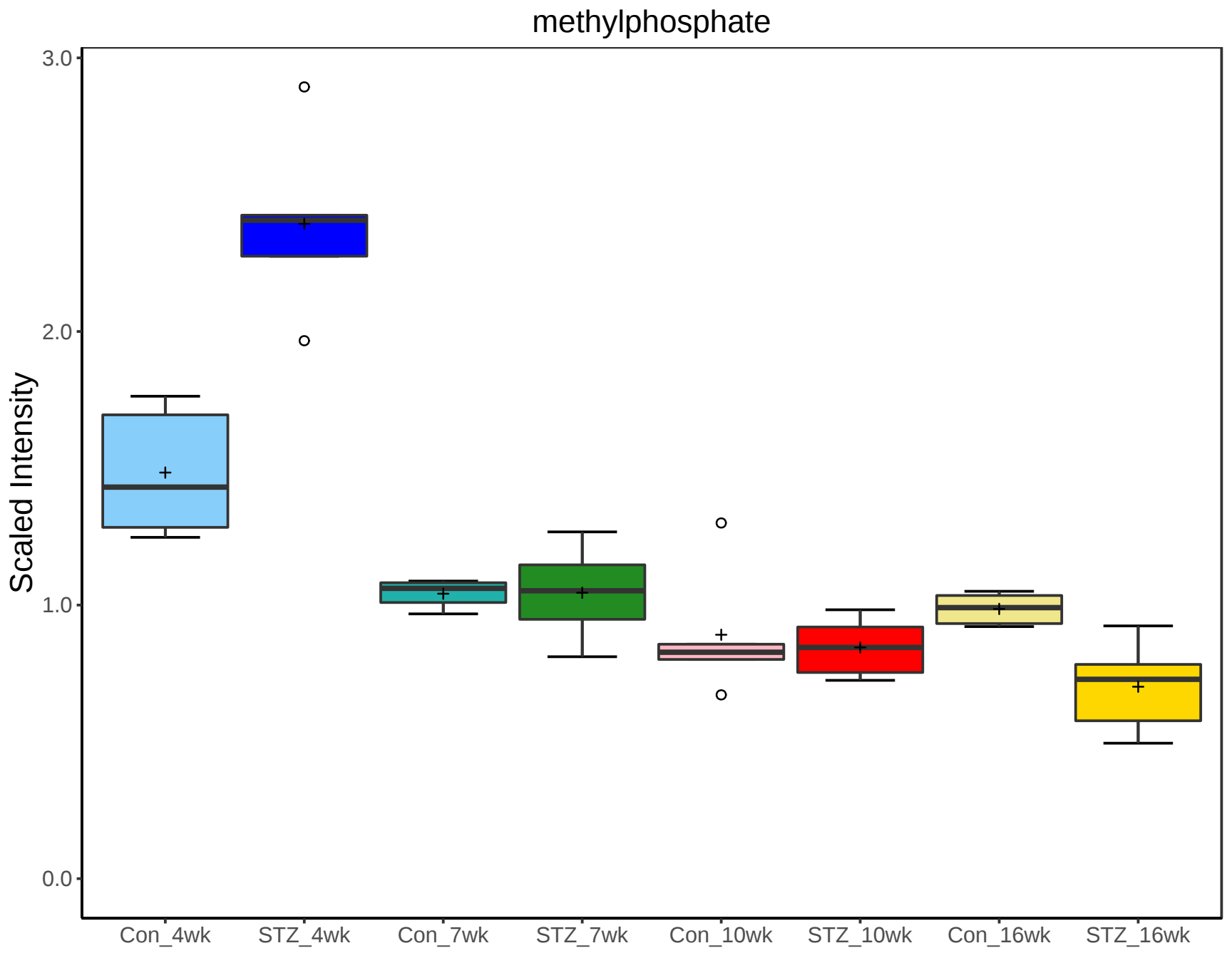

5-methyl-2'-deoxycytidine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

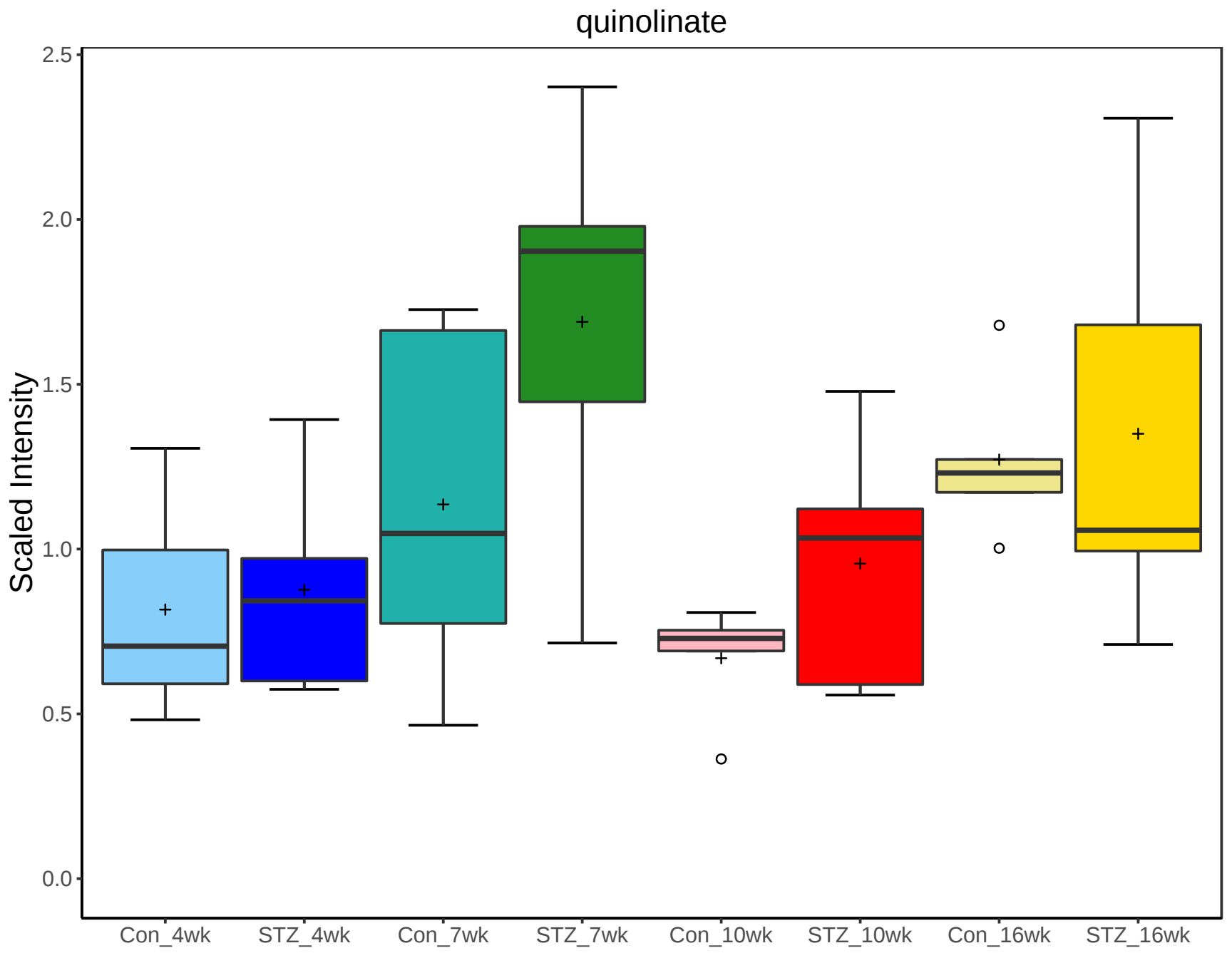

thymidine
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

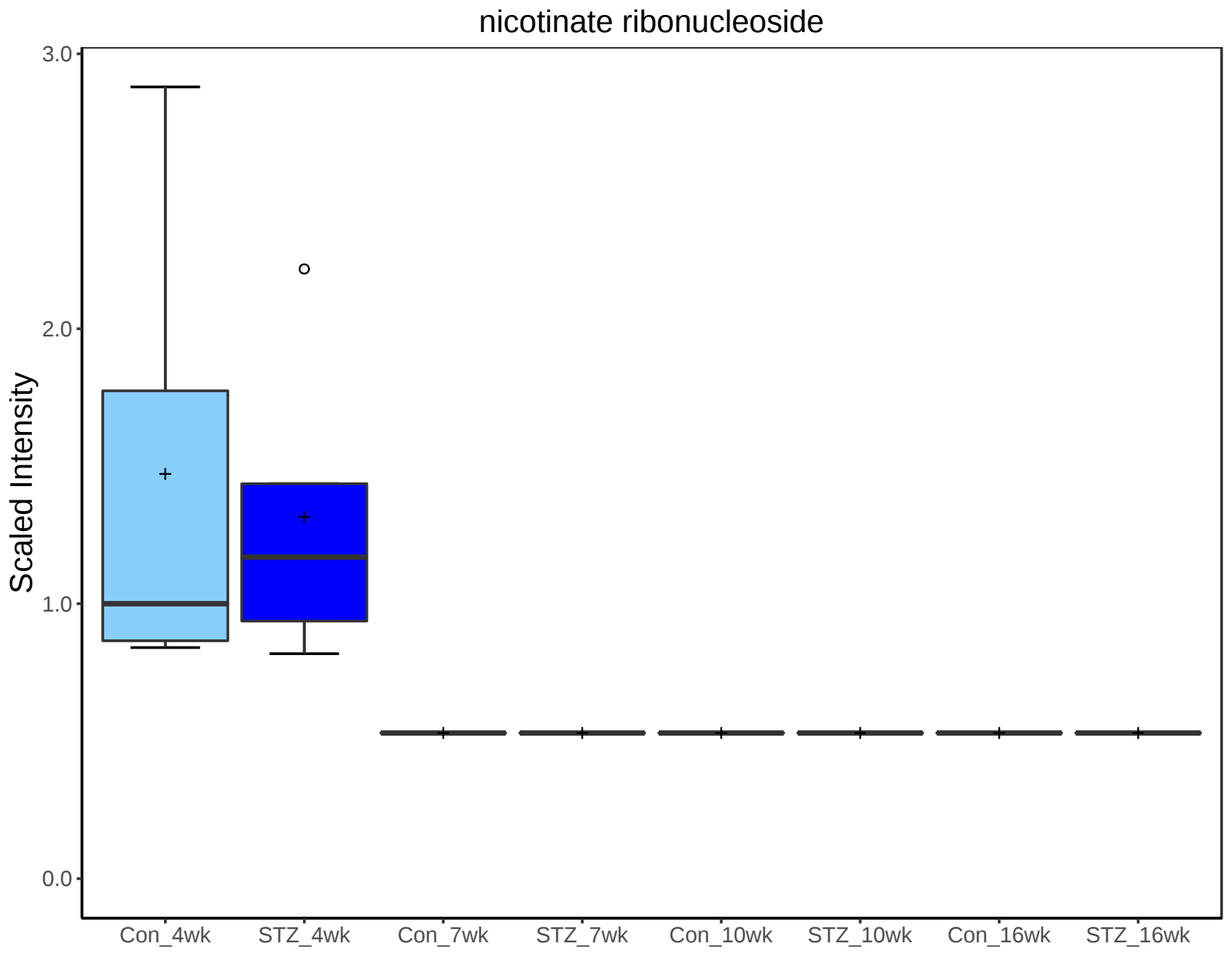

thymine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

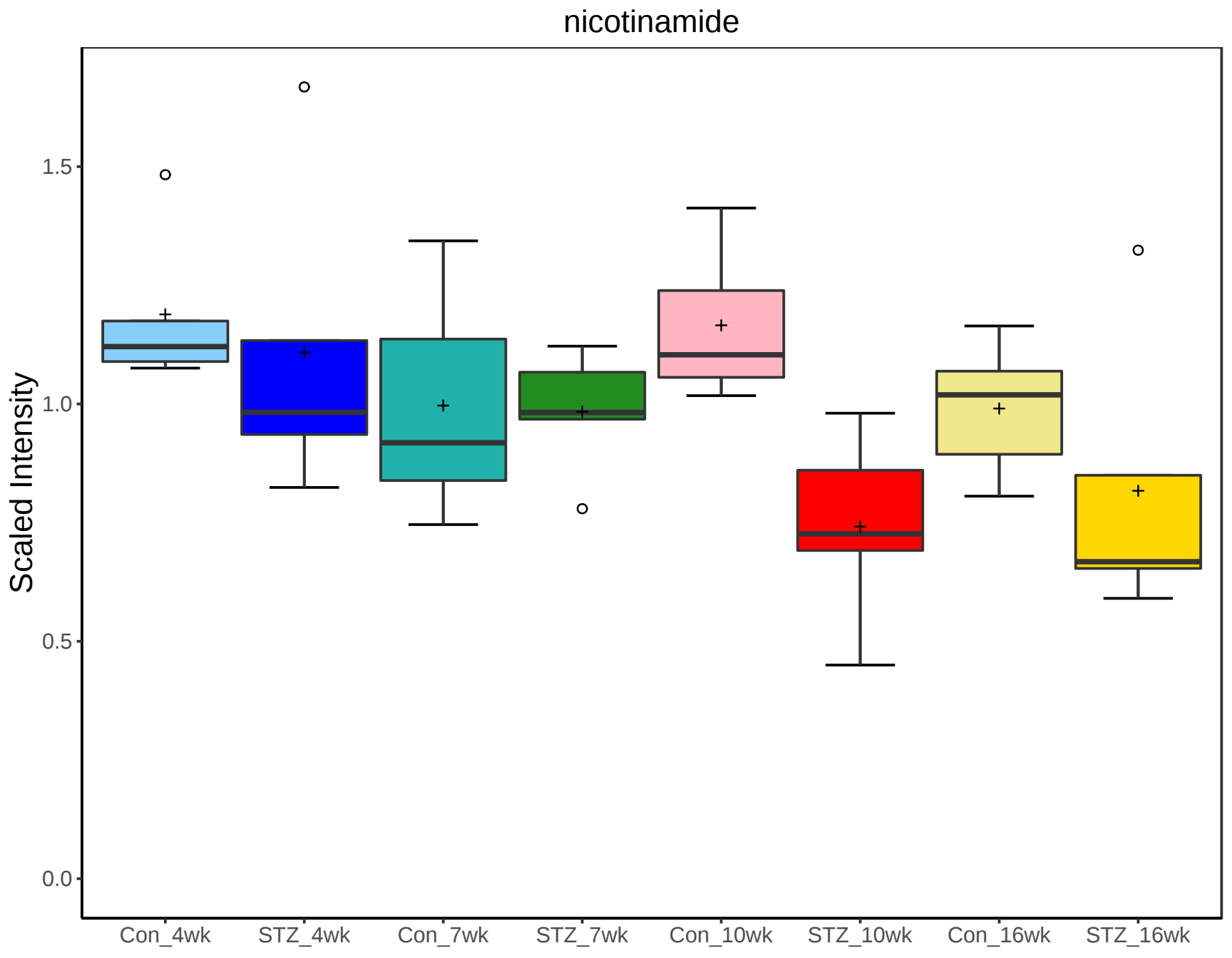

5,6-dihydrothymine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

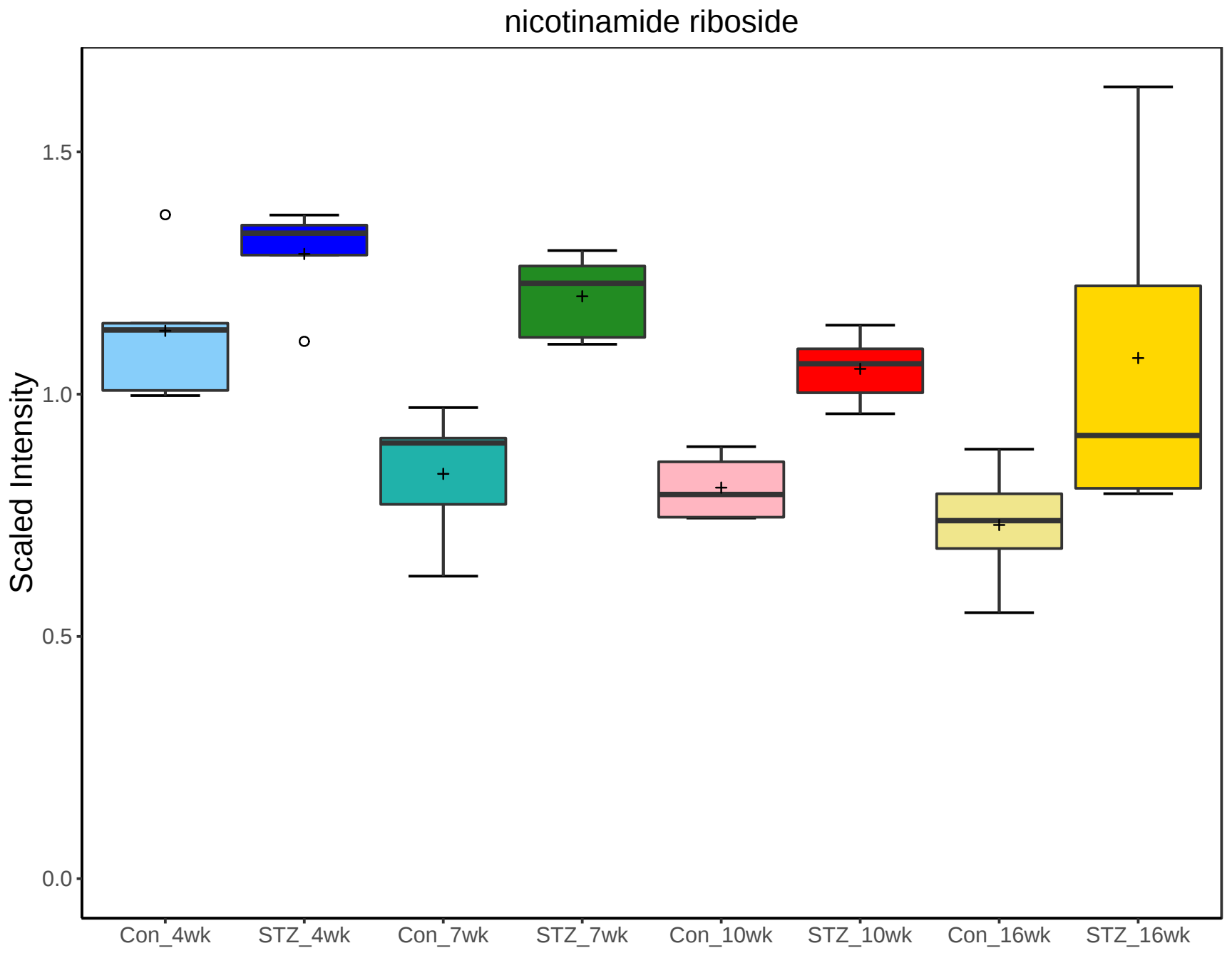

3-aminoisobutyrate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

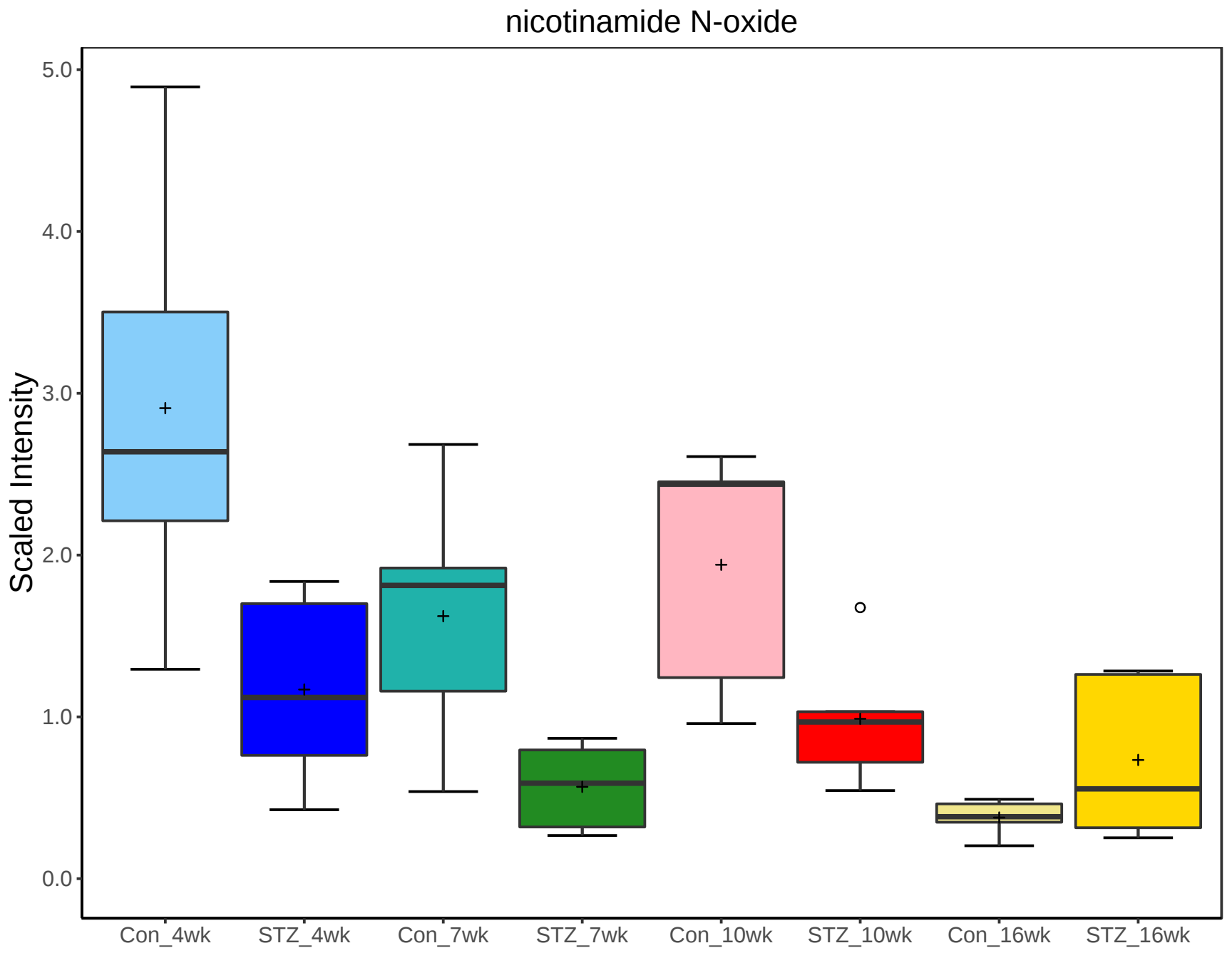

methylphosphate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

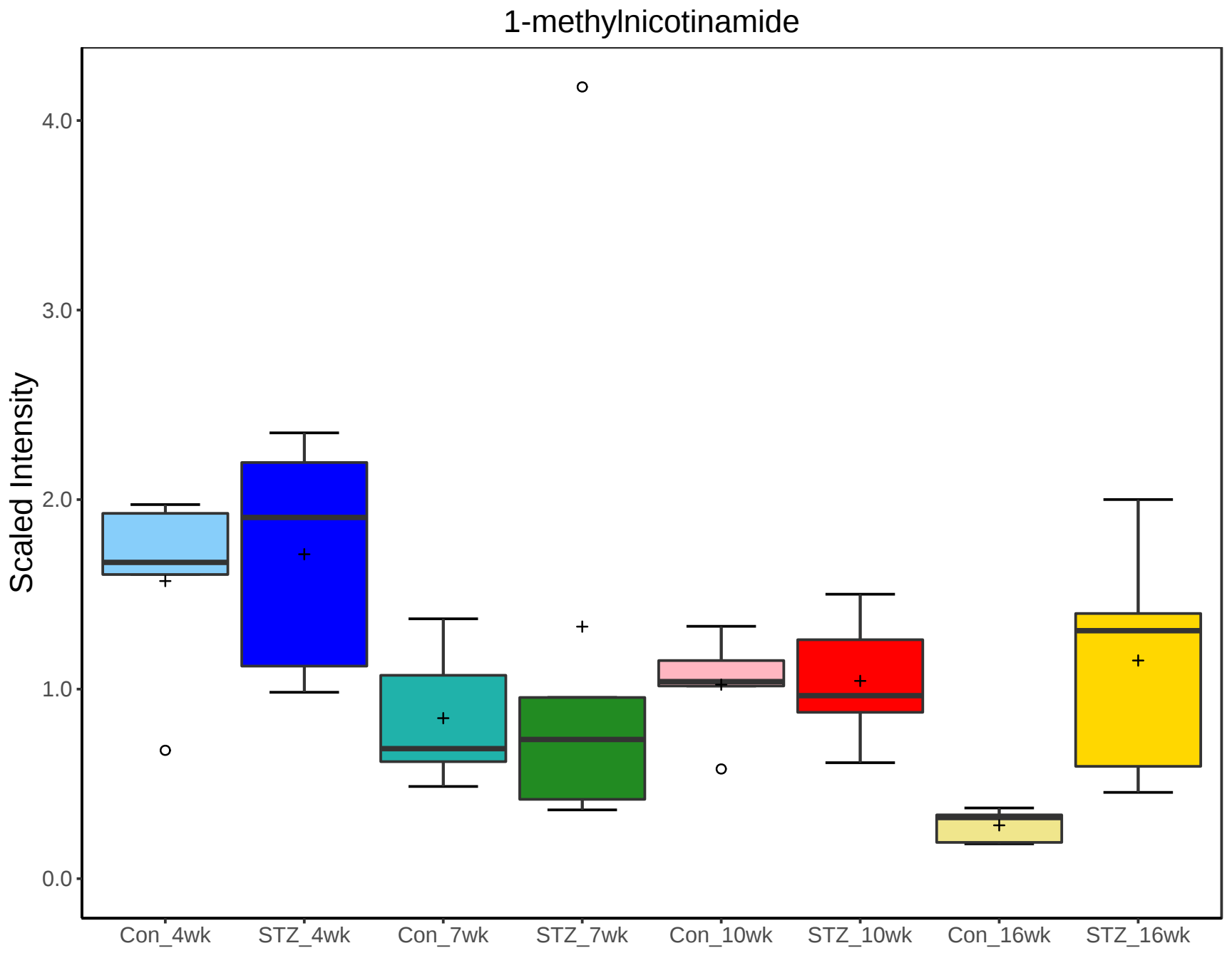

quinolinate
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

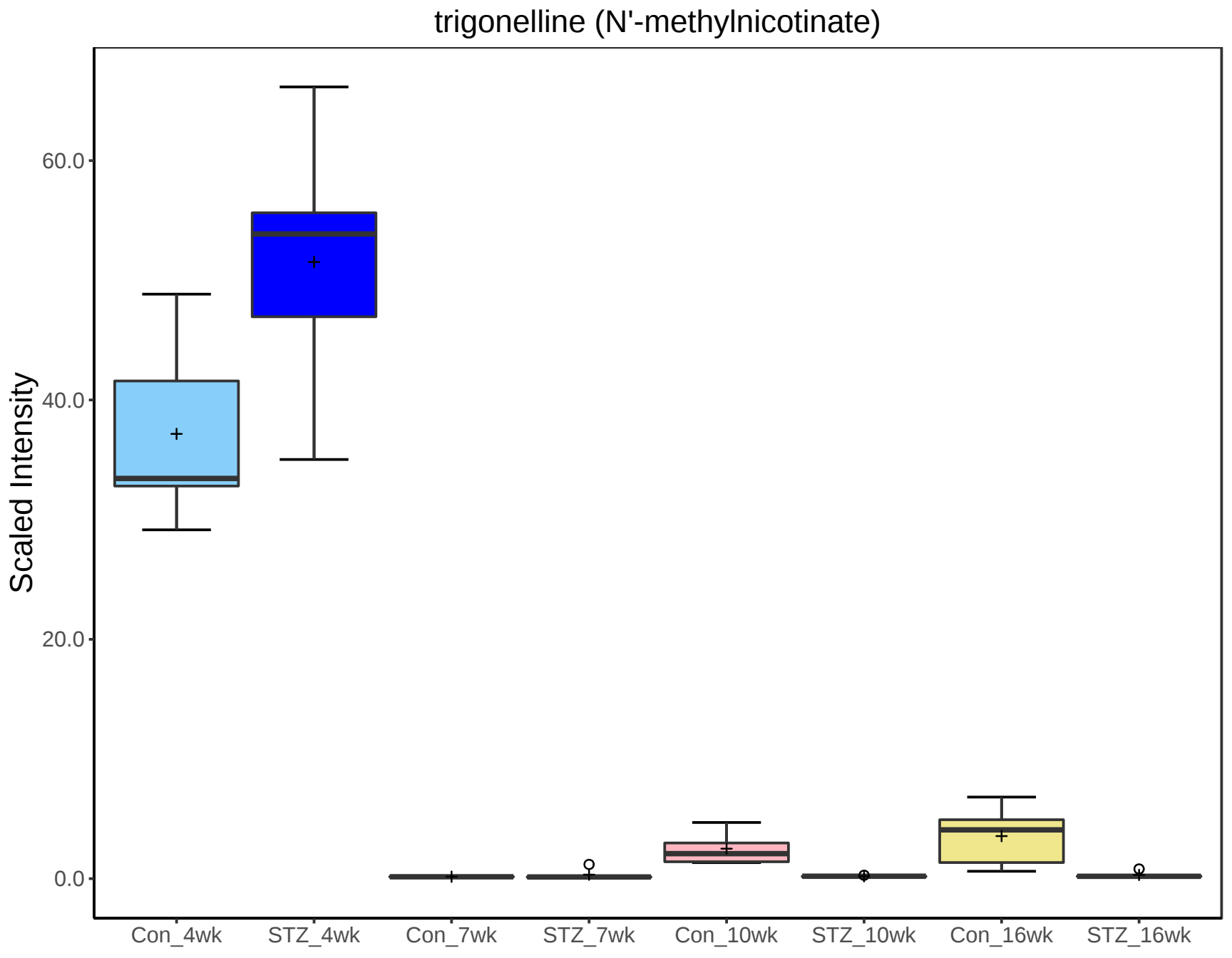

nicotinate ribonucleoside
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

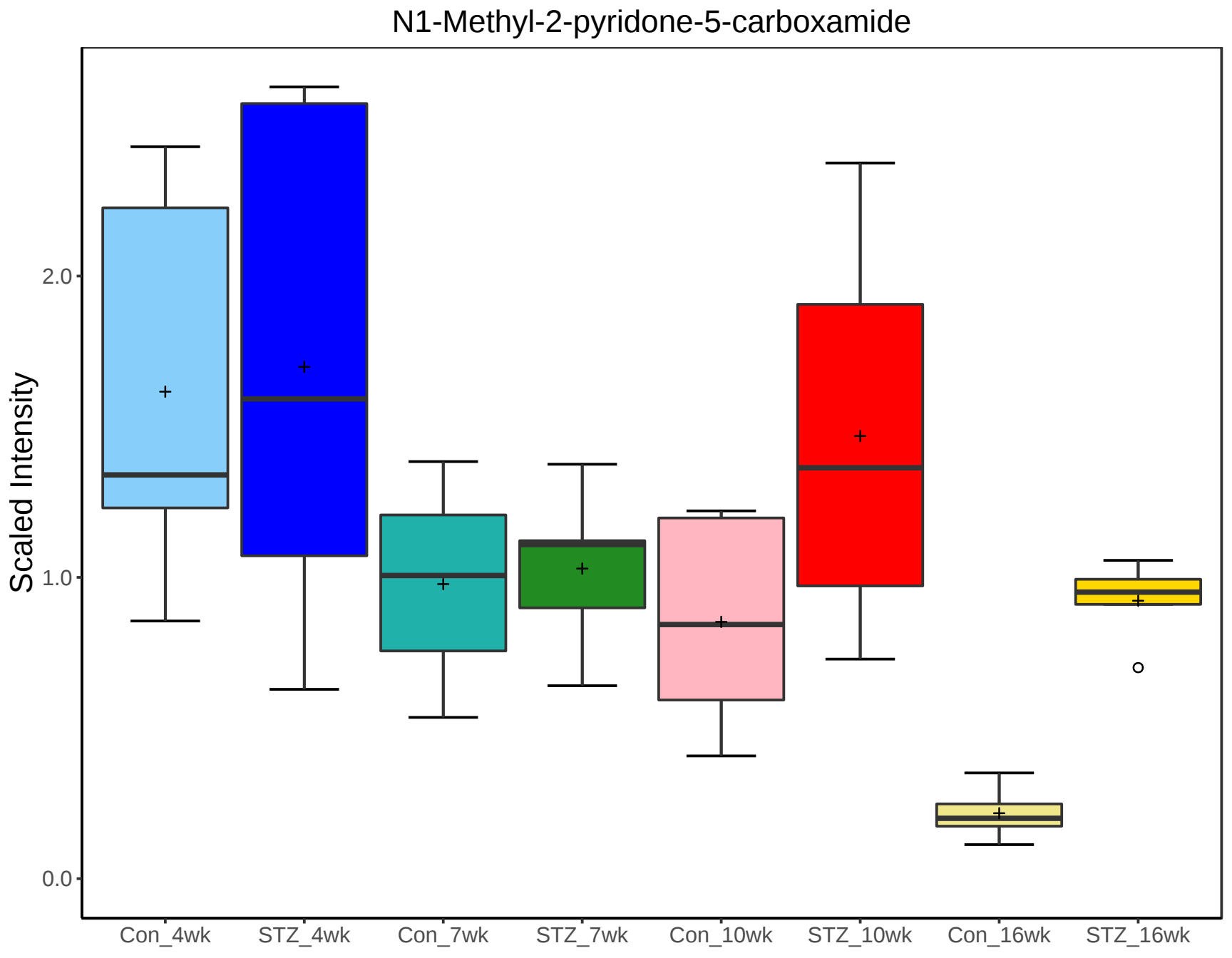

nicotinamide
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

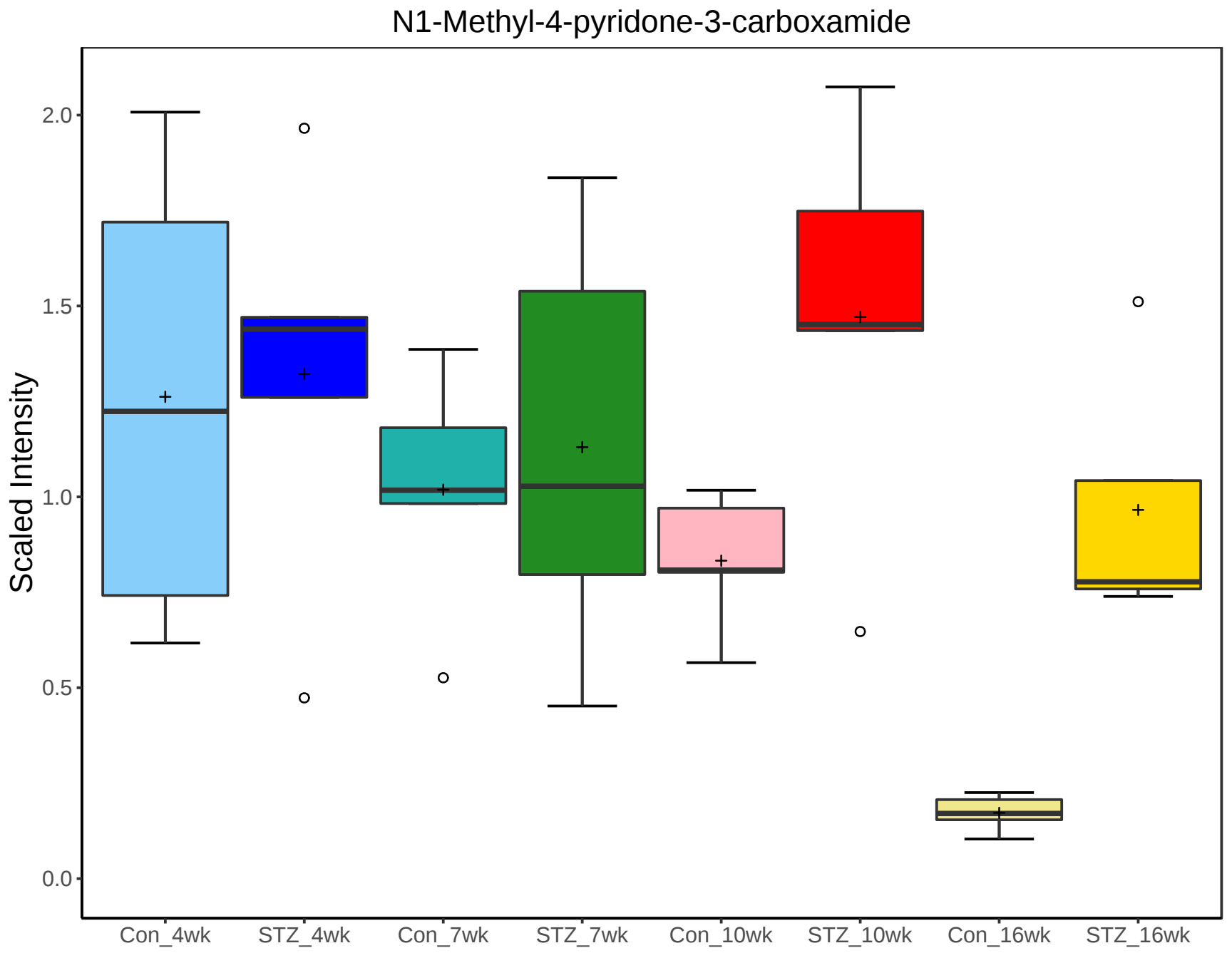

nicotinamide riboside
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

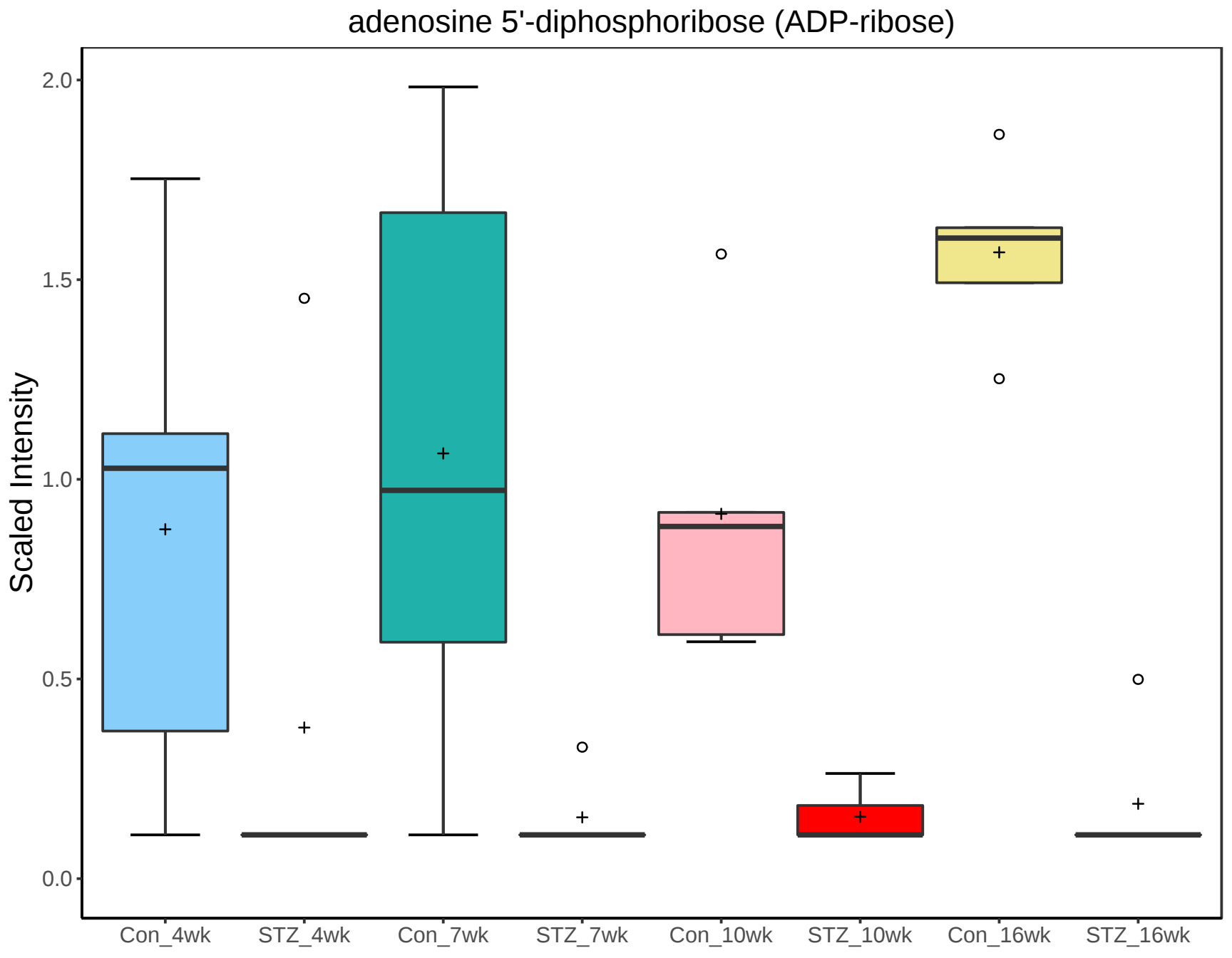

nicotinamide N-oxide
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

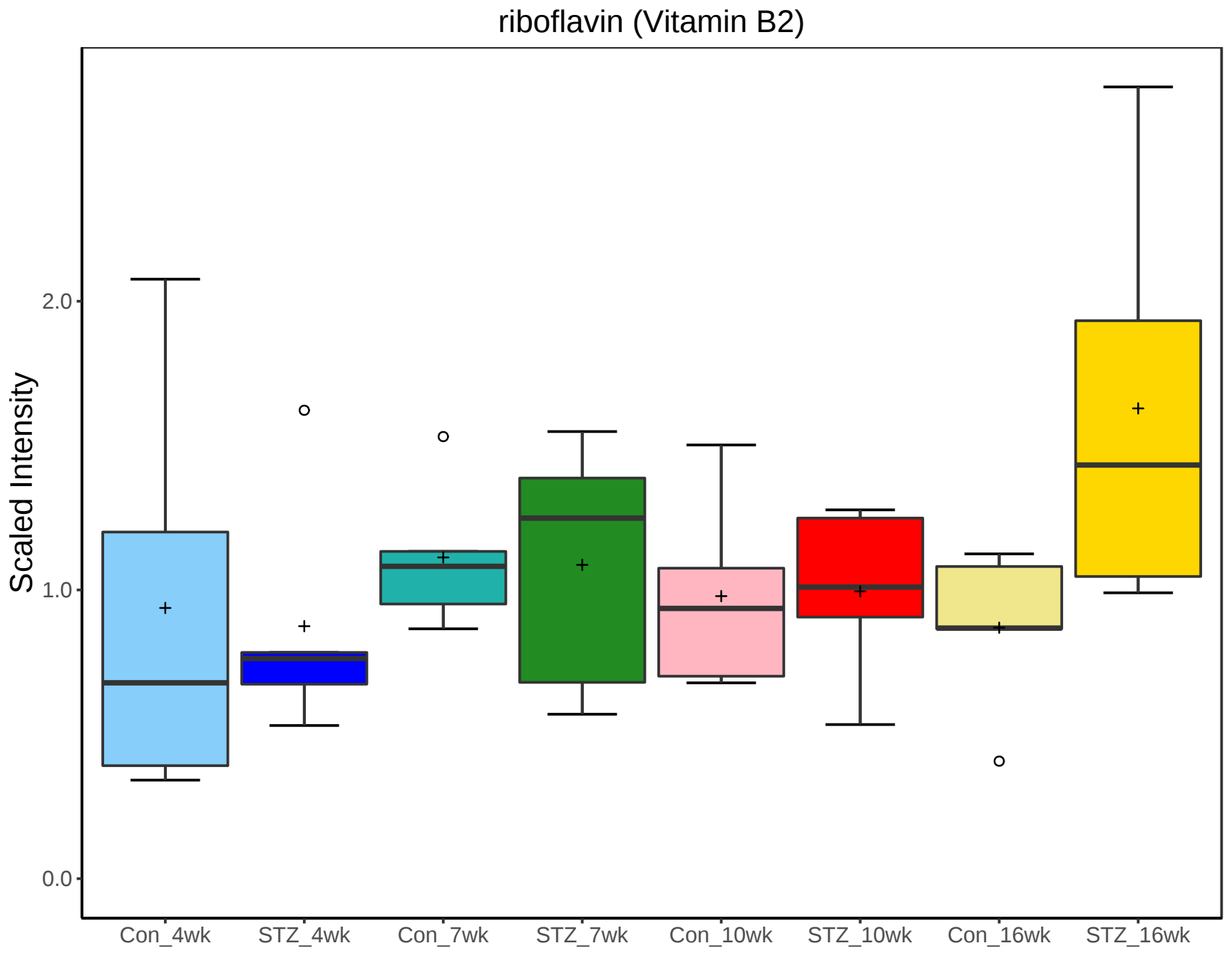

1-methylnicotinamide
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

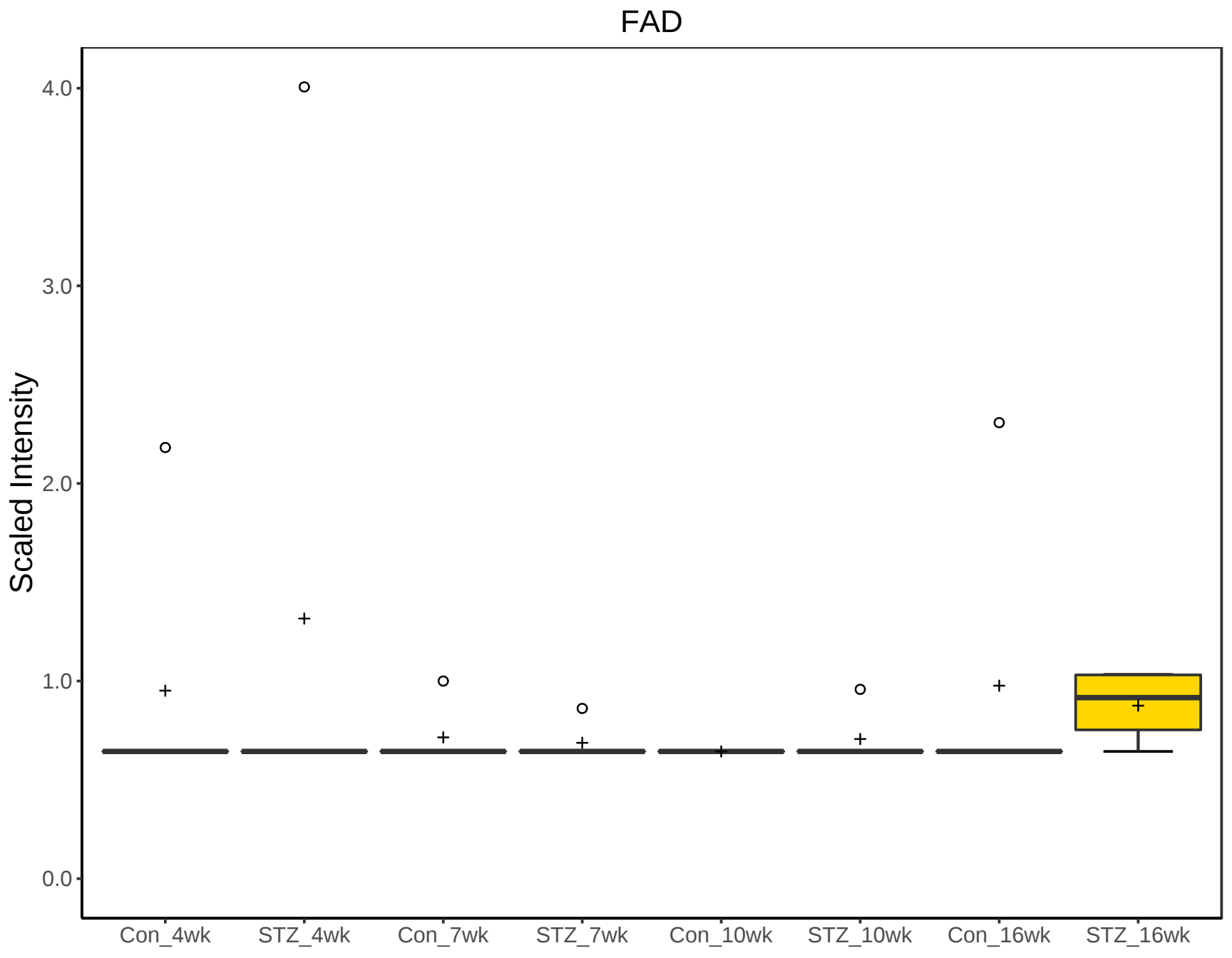

trigonelline (N'-methylnicotinate)
Scaled Intensity
60.0
40.0
20.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

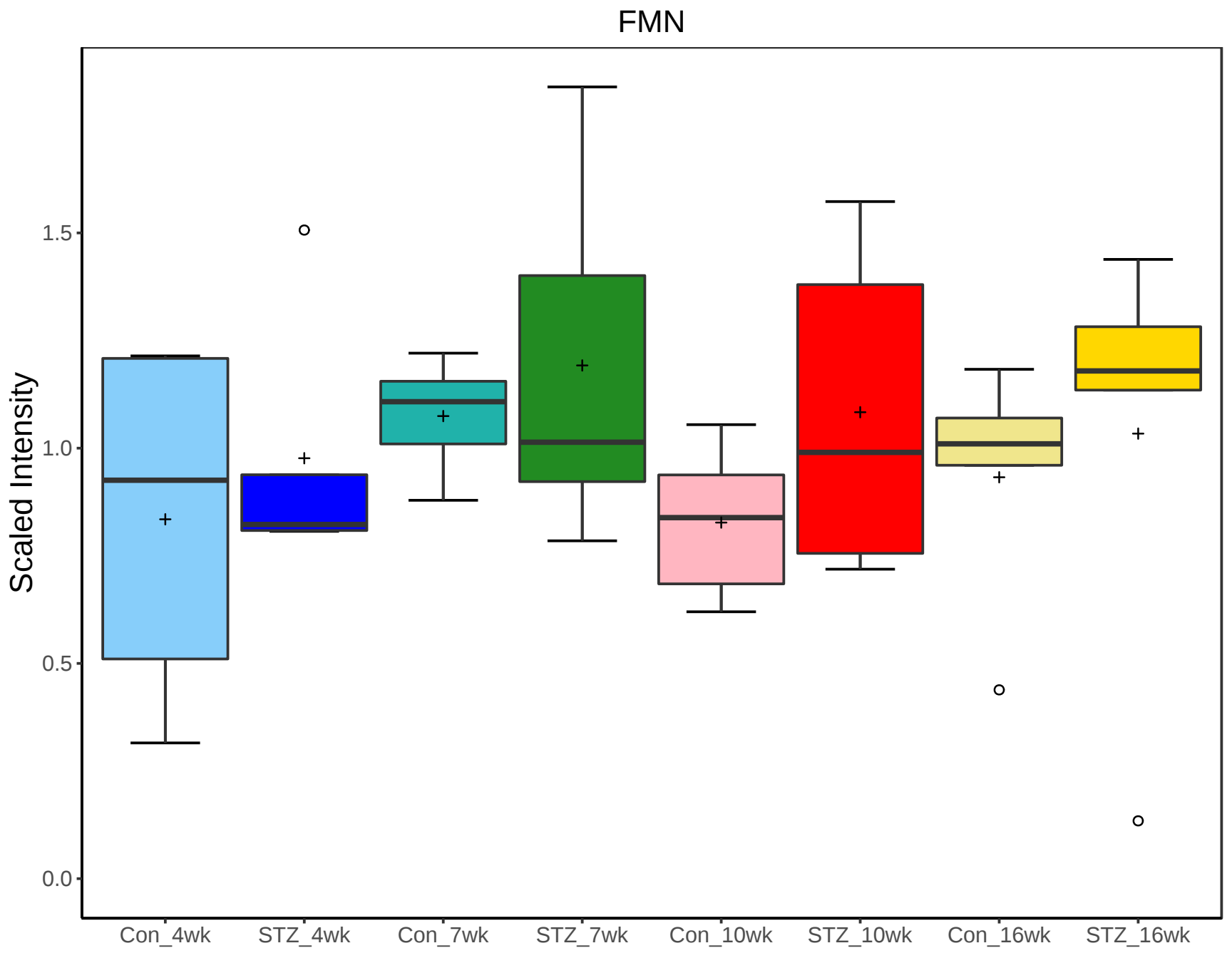

N1-Methyl-2-pyridone-5-carboxamide
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

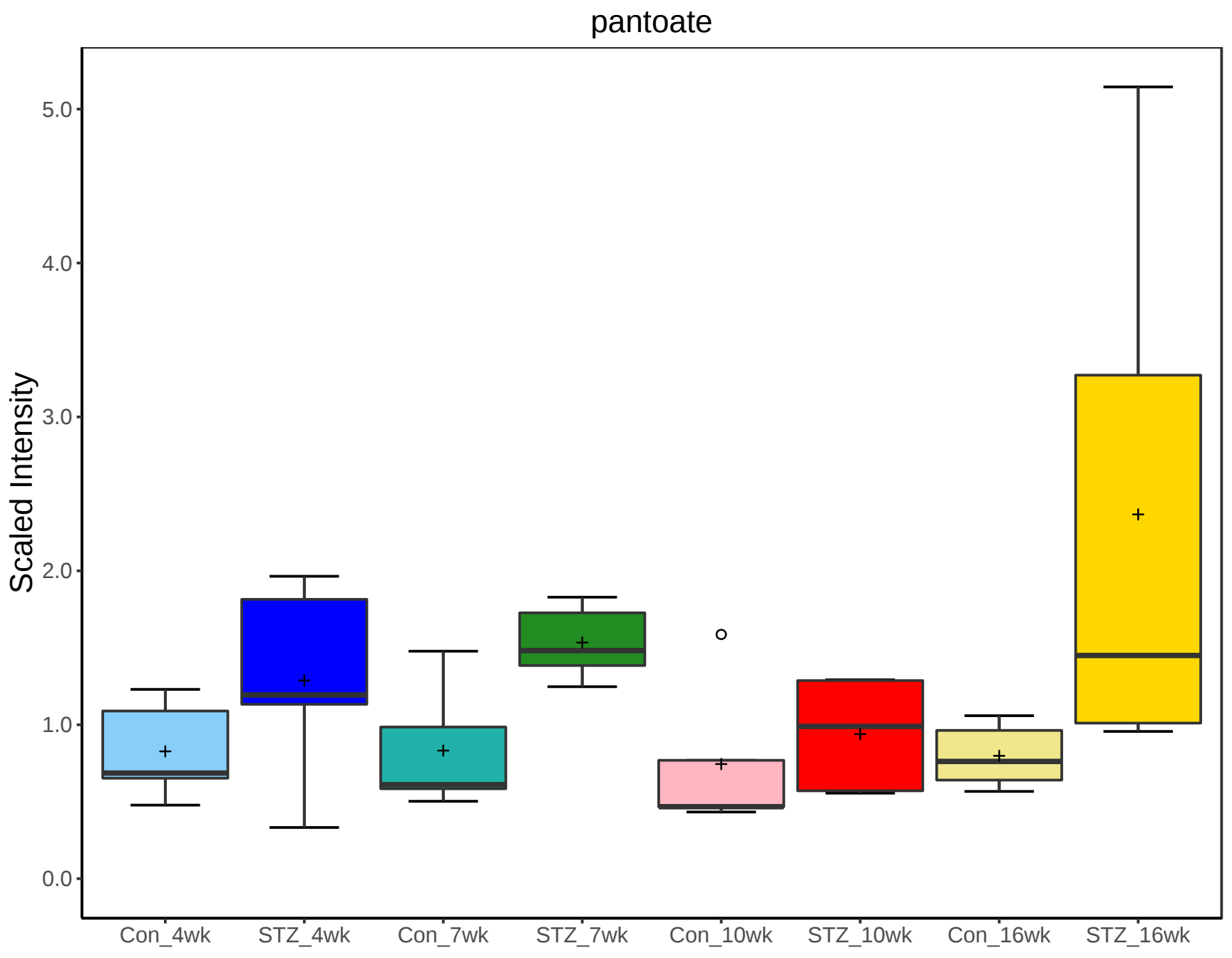

N1-Methyl-4-pyridone-3-carboxamide
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

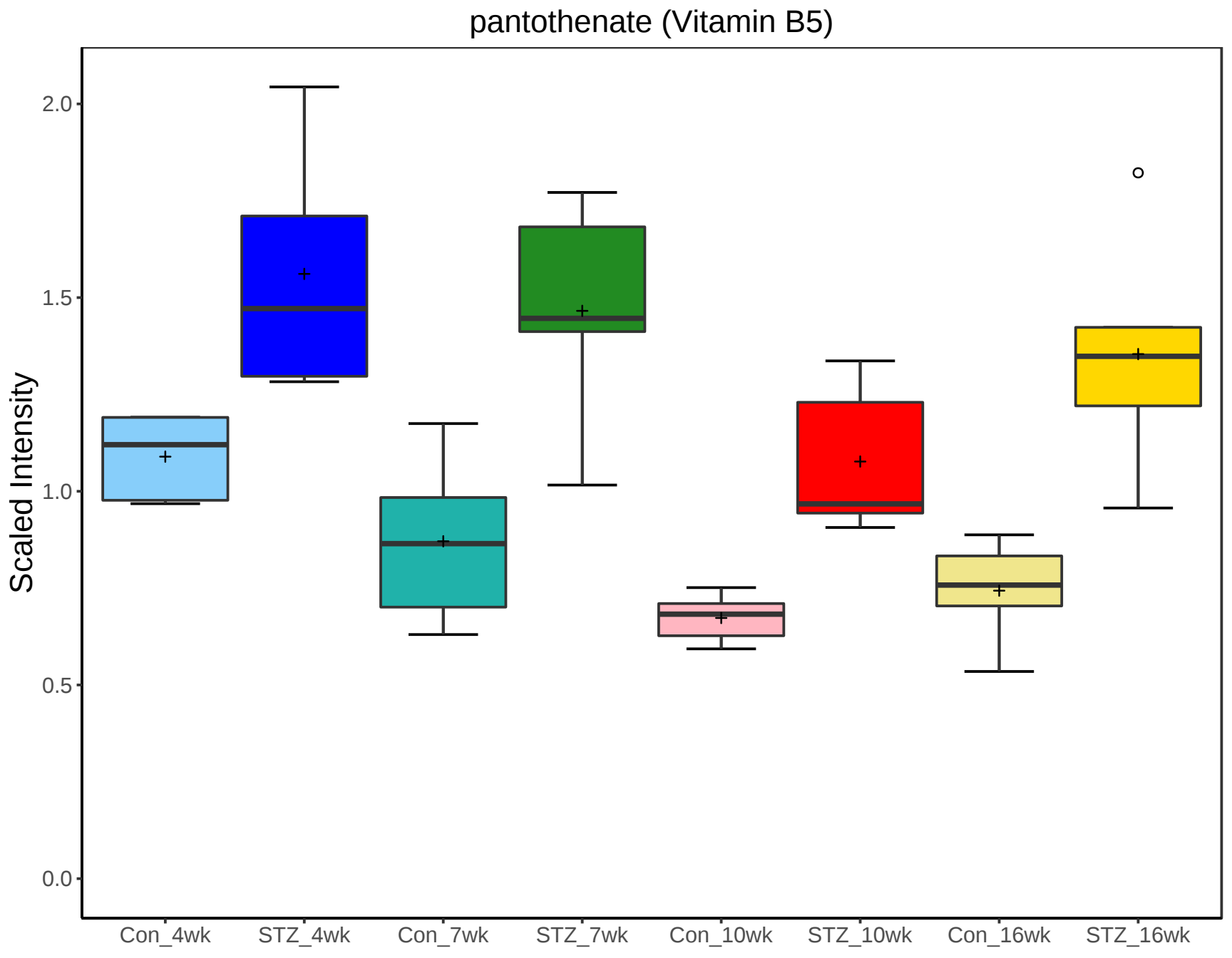

adenosine 5'-diphosphoribose (ADP-ribose)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

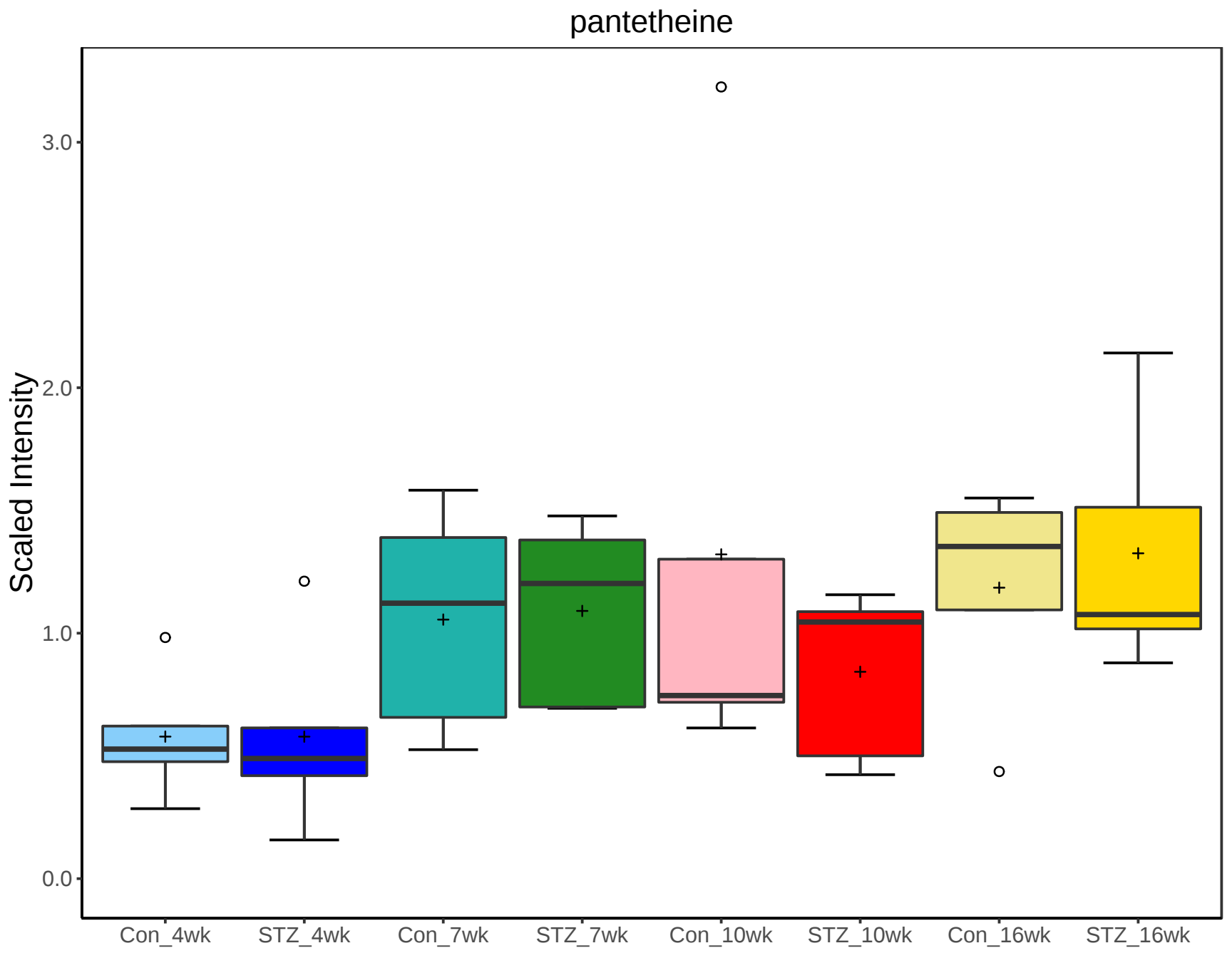

riboflavin (Vitamin B2)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

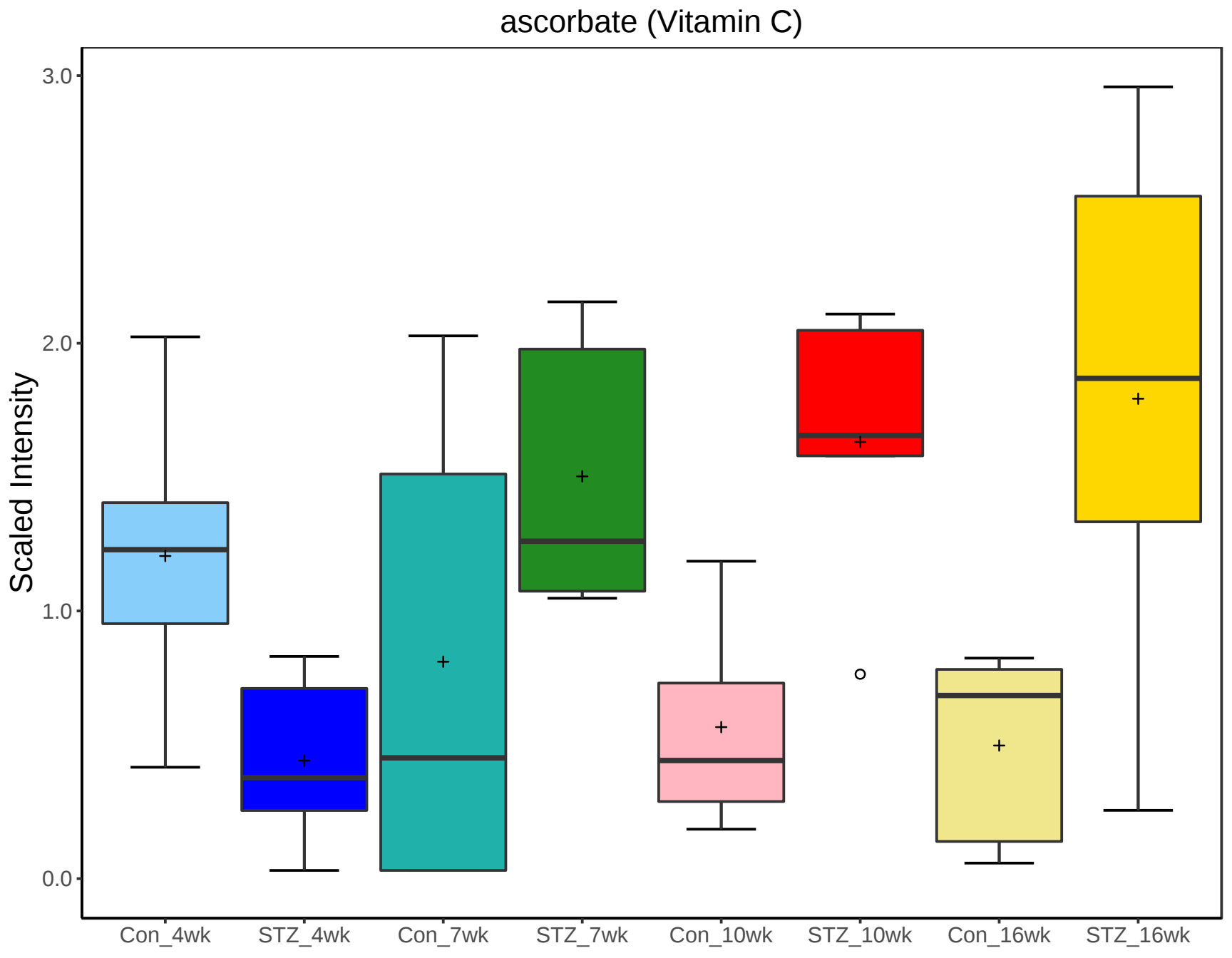

FAD
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

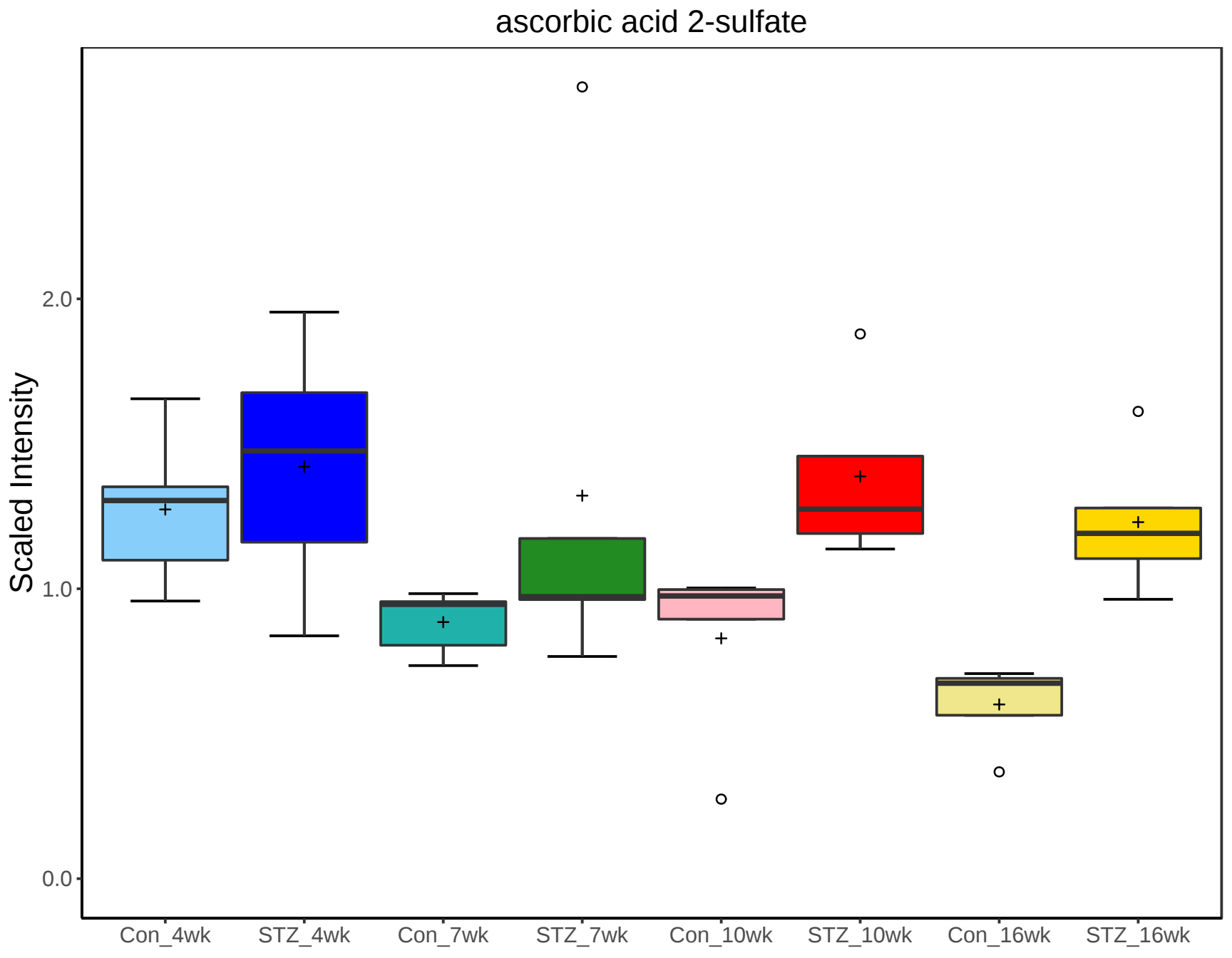

FMN
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

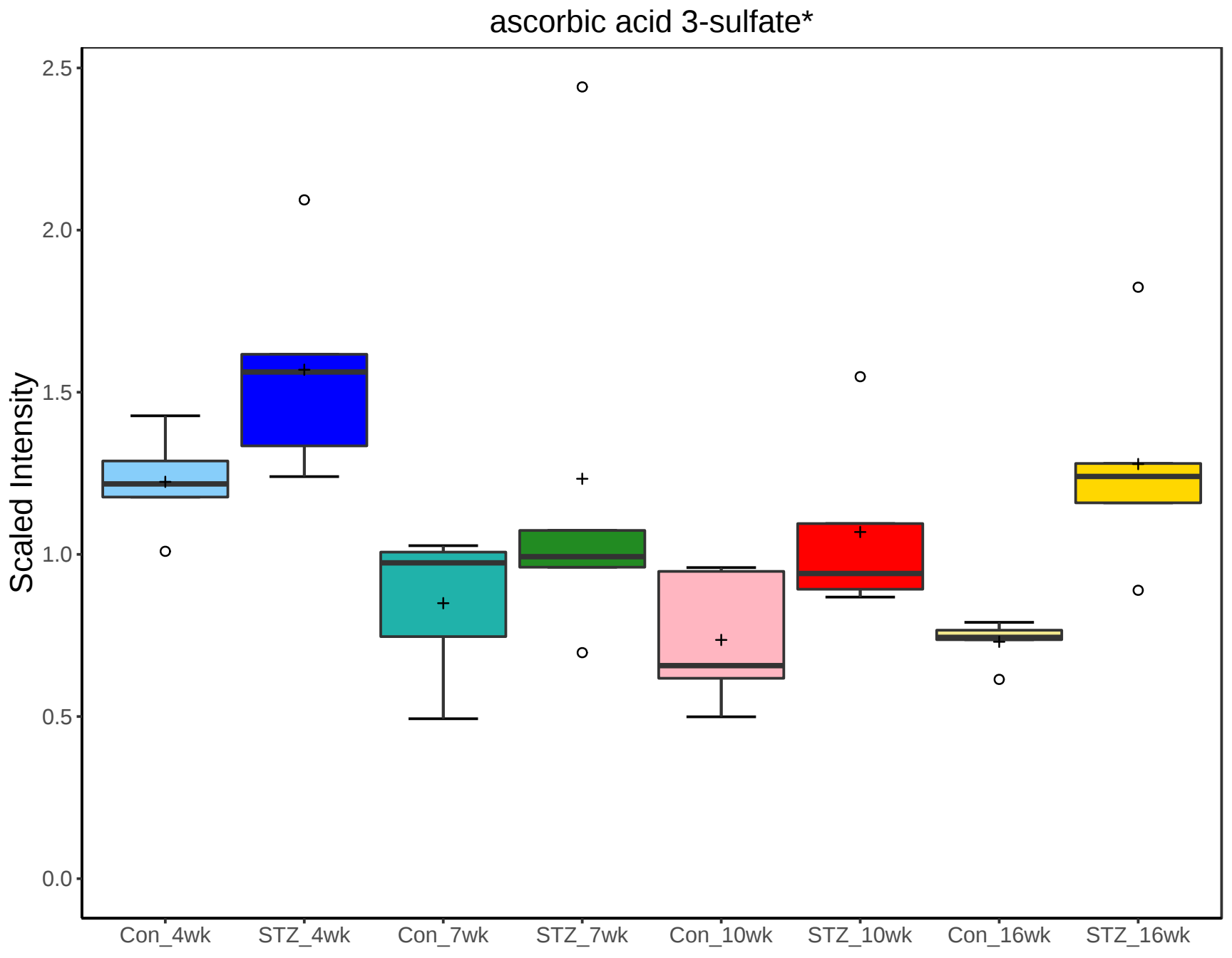

pantoate
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

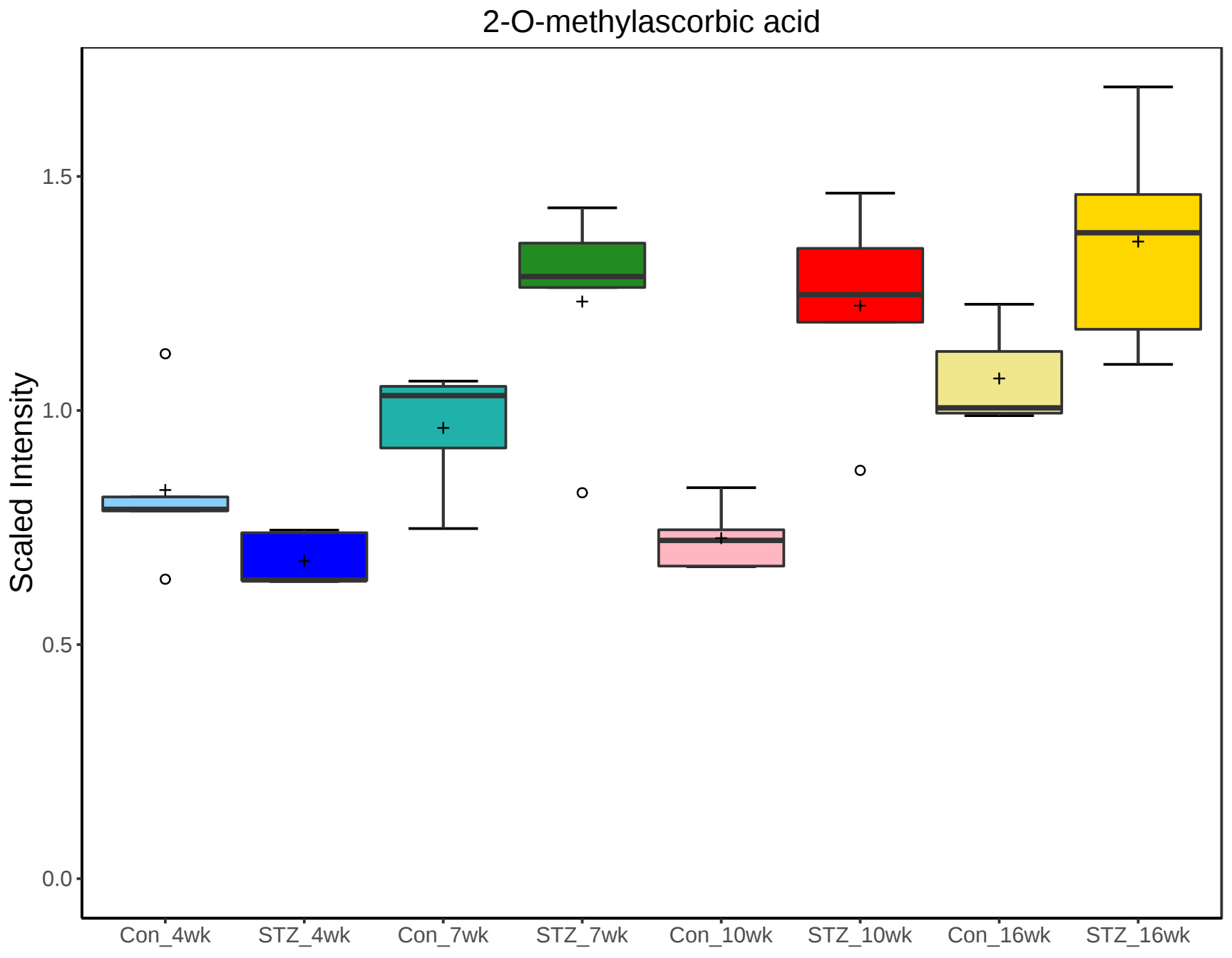

pantothenate (Vitamin B5)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

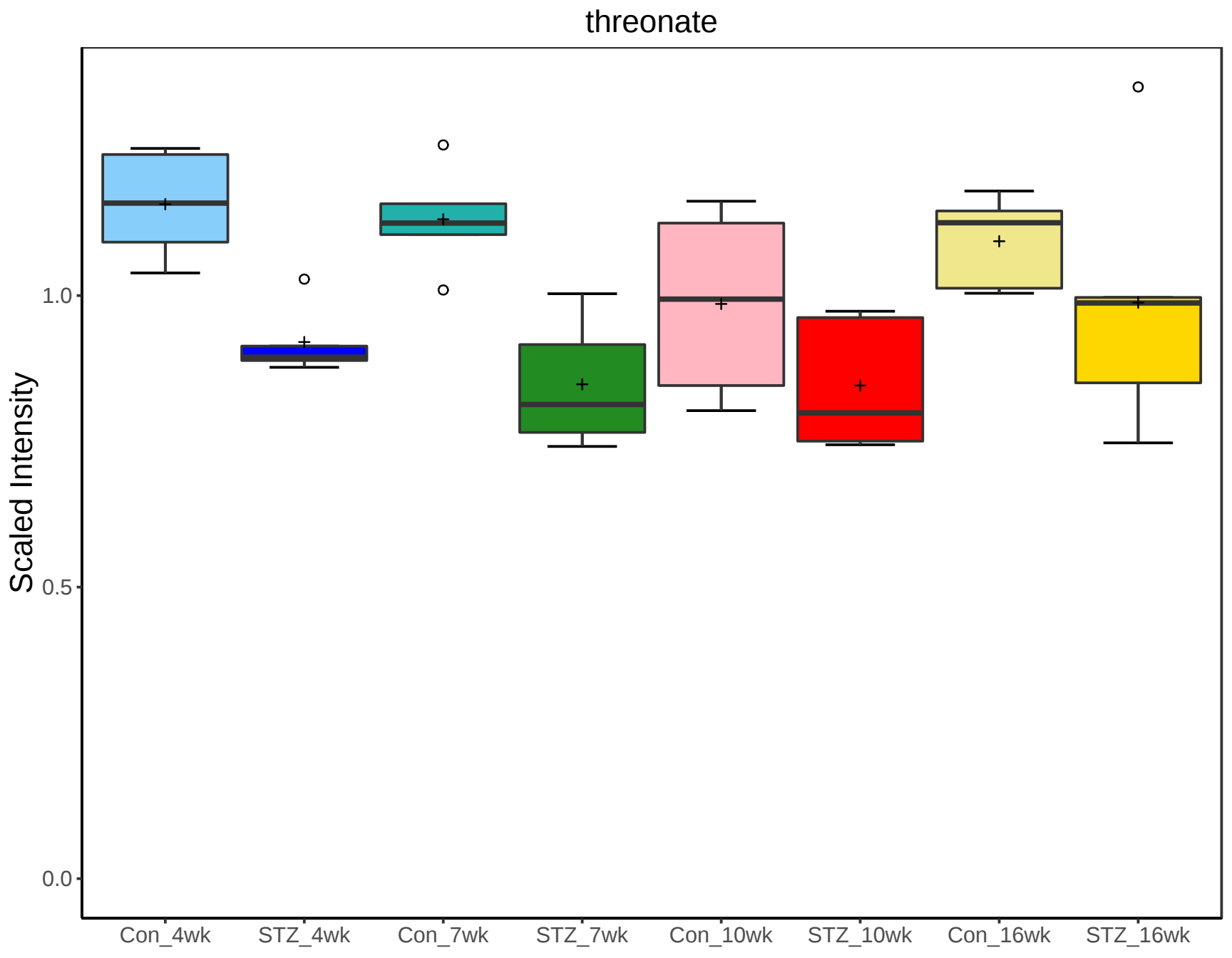

pantetheine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

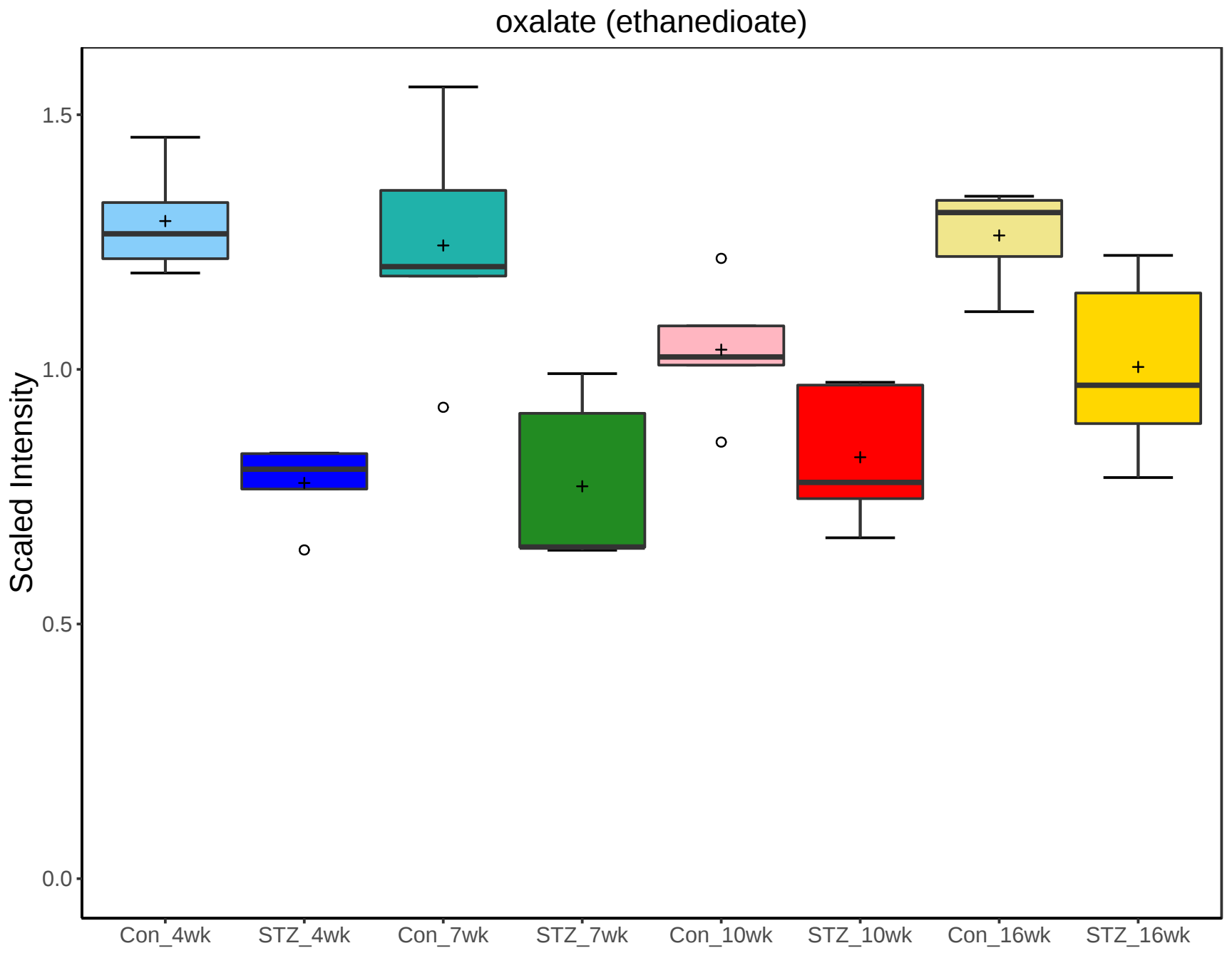

ascorbate (Vitamin C)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

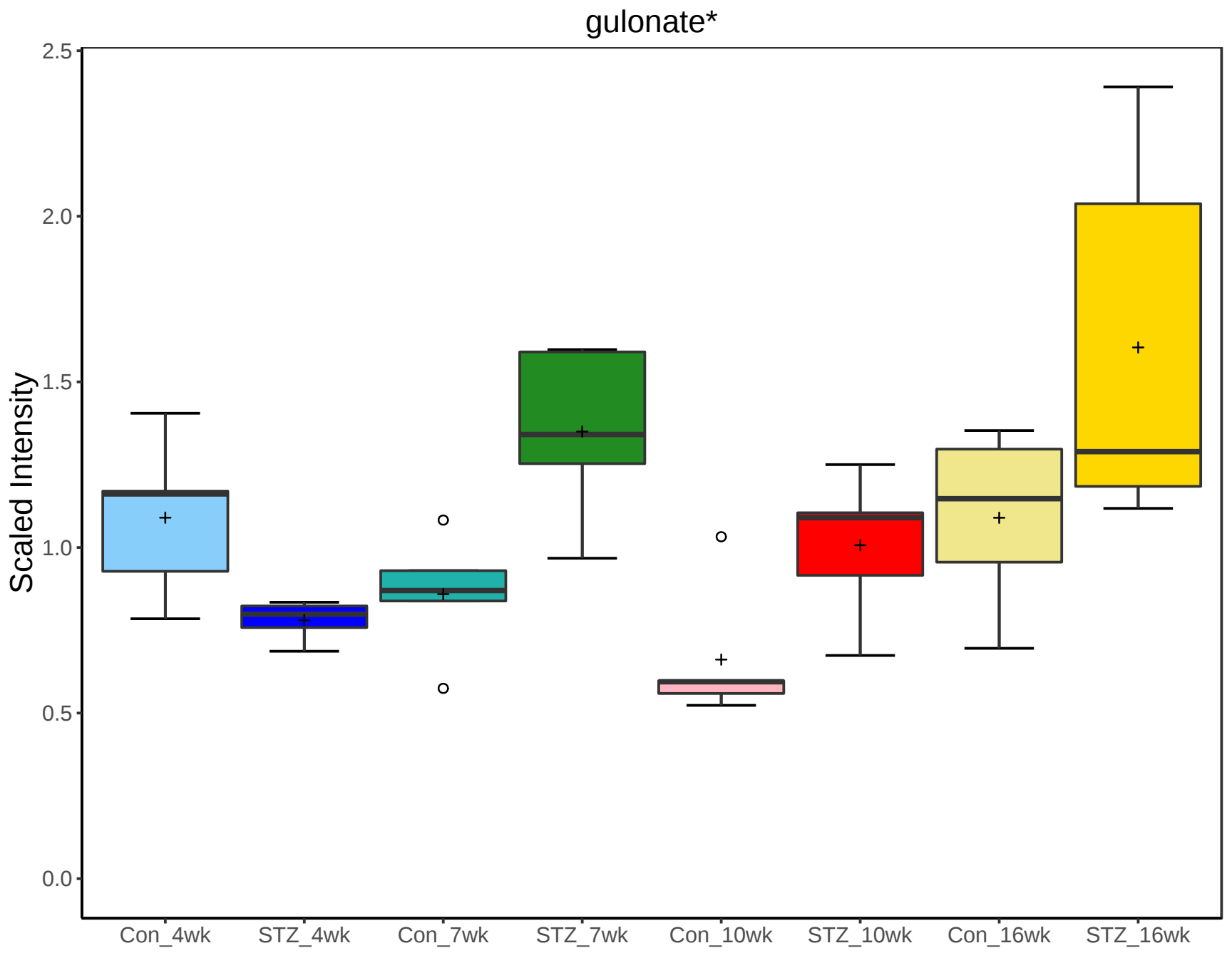

ascorbic acid 2-sulfate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

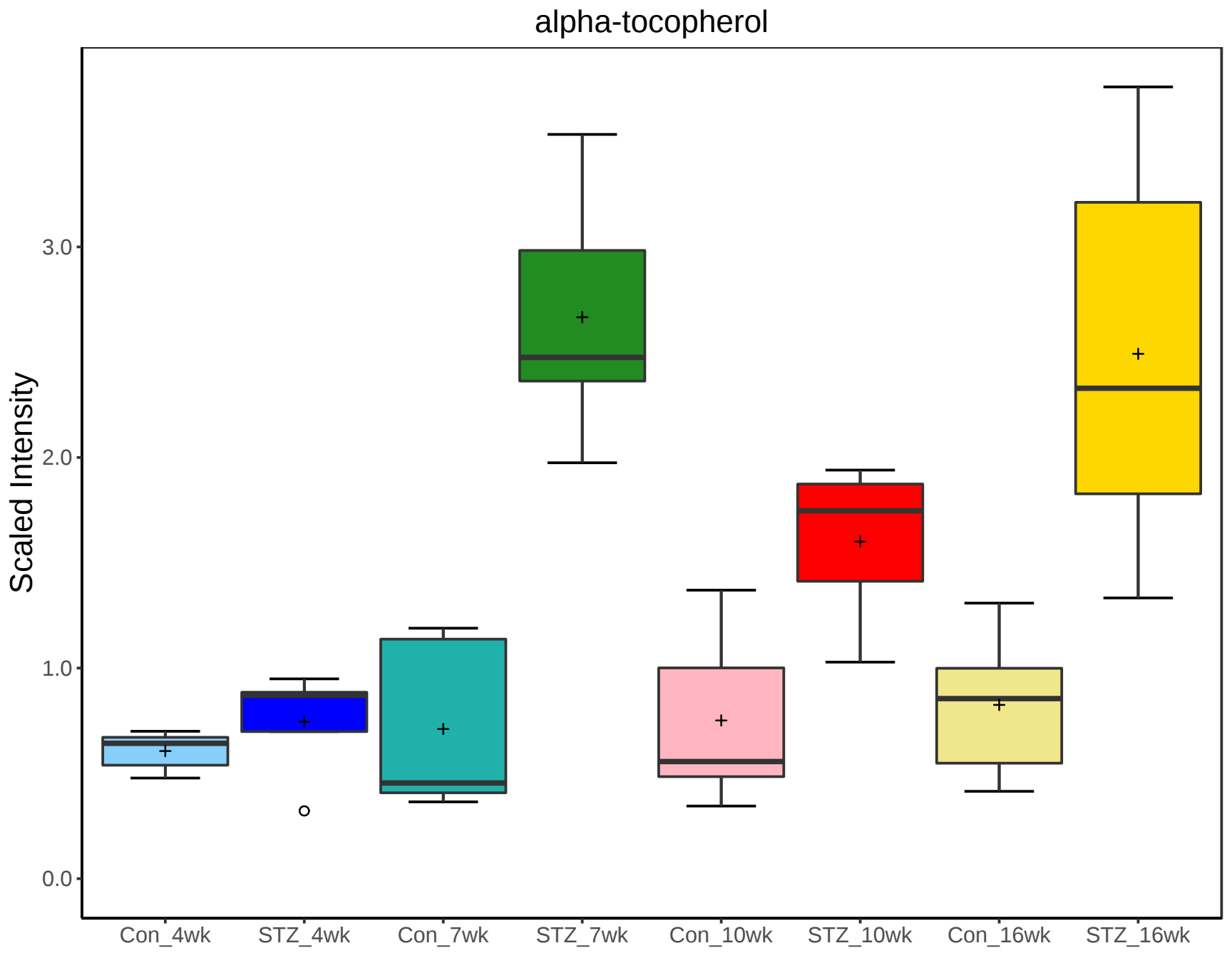

ascorbic acid 3-sulfate*
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

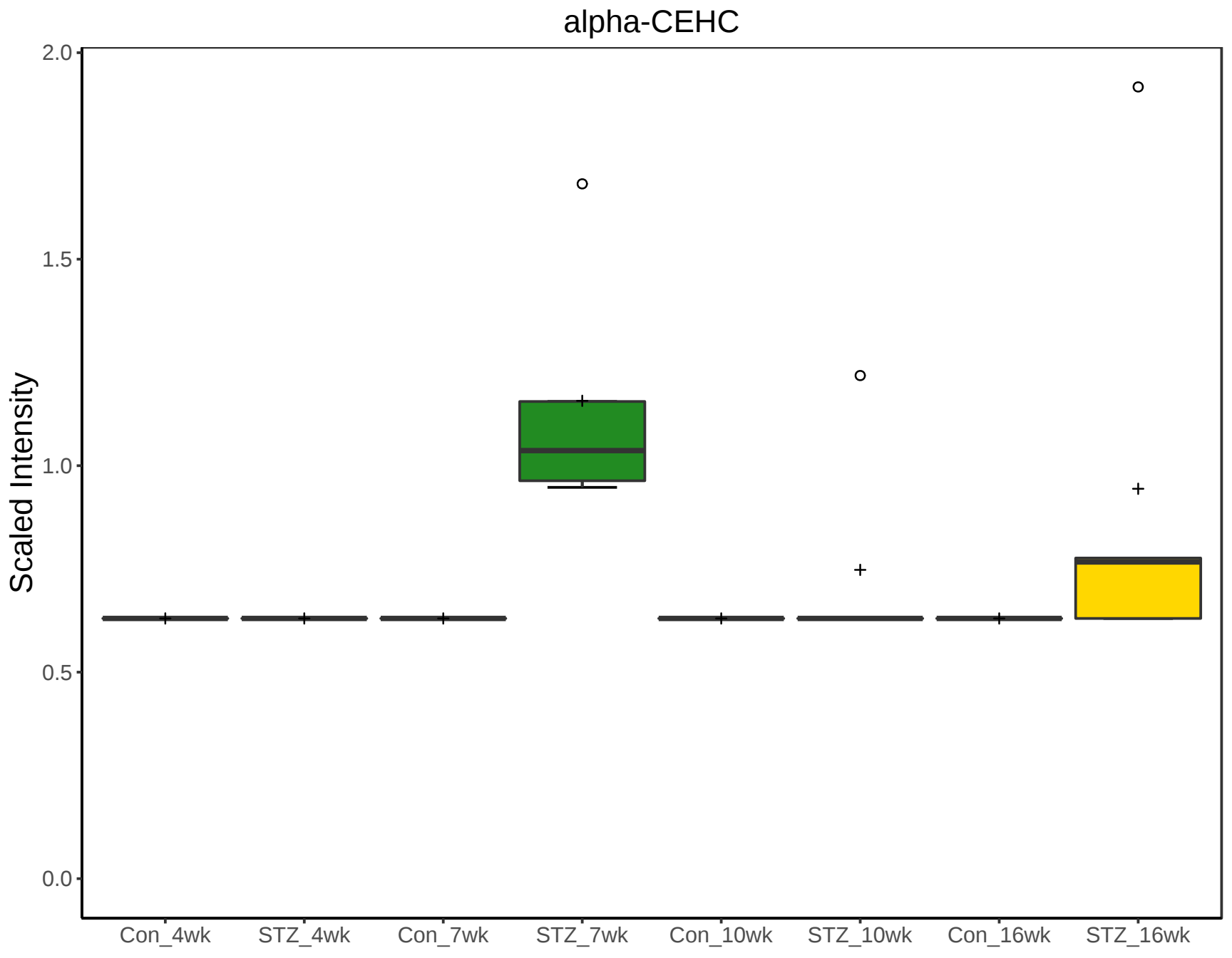

2-O-methylascorbic acid
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

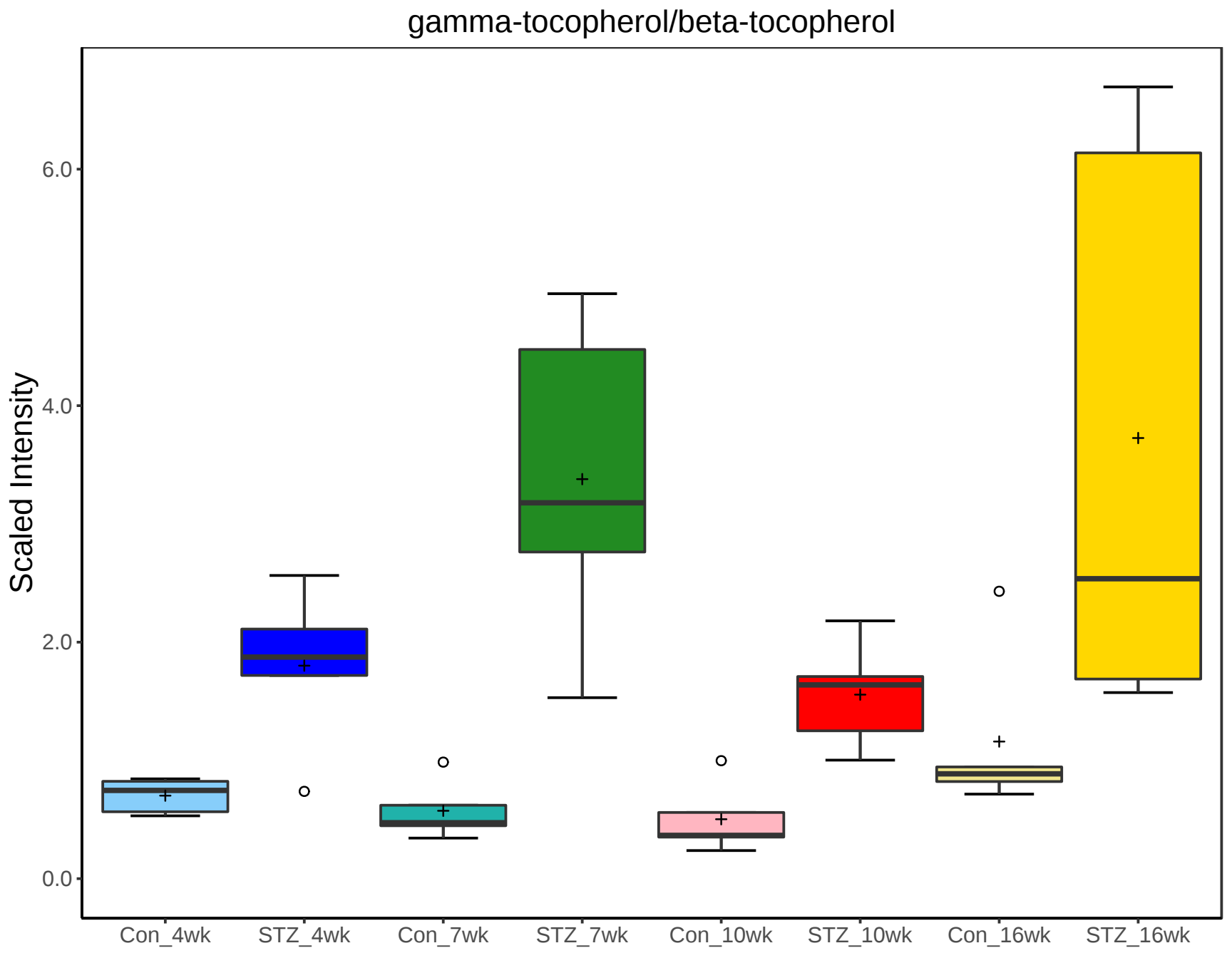

threonate
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

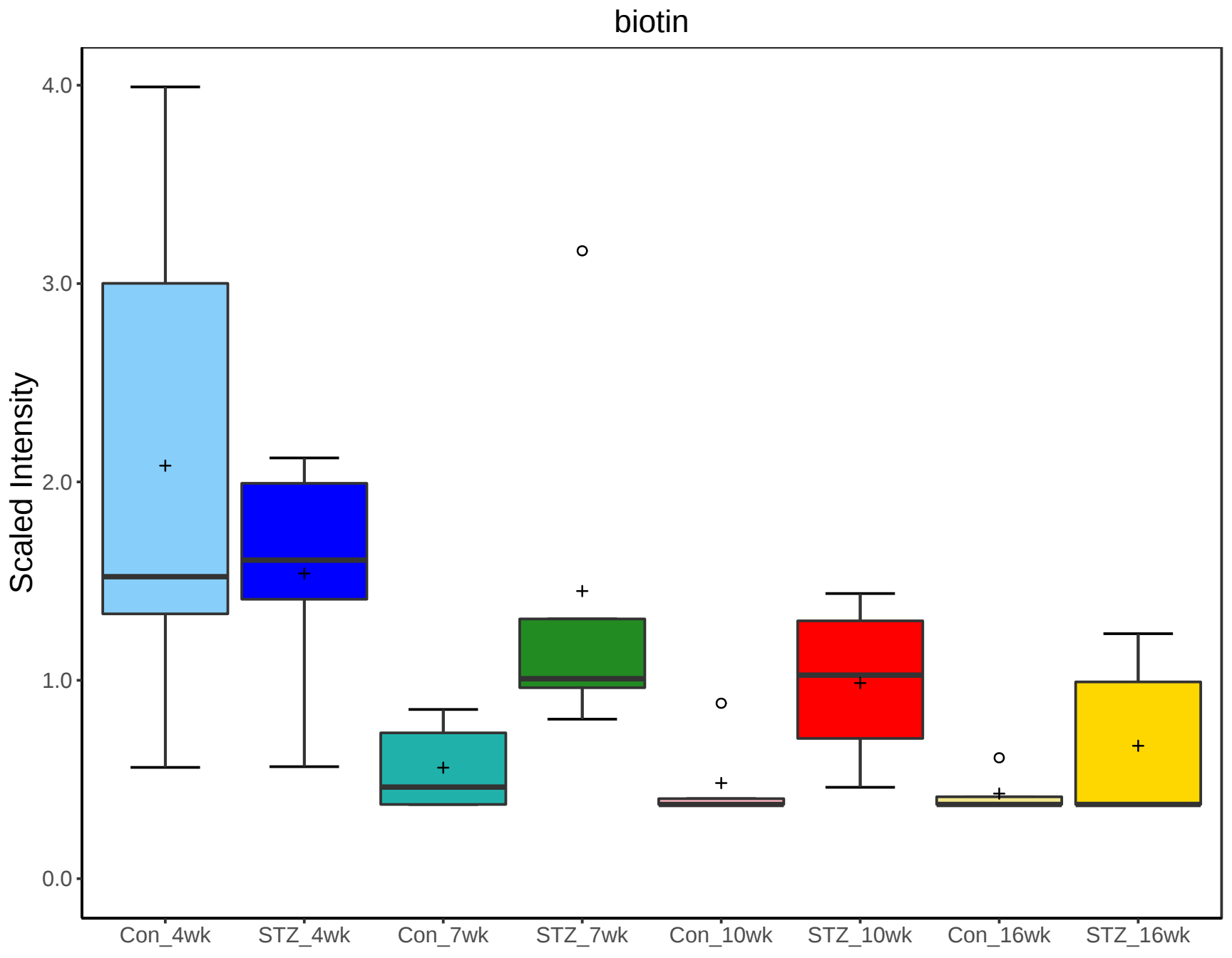

oxalate (ethanedioate)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

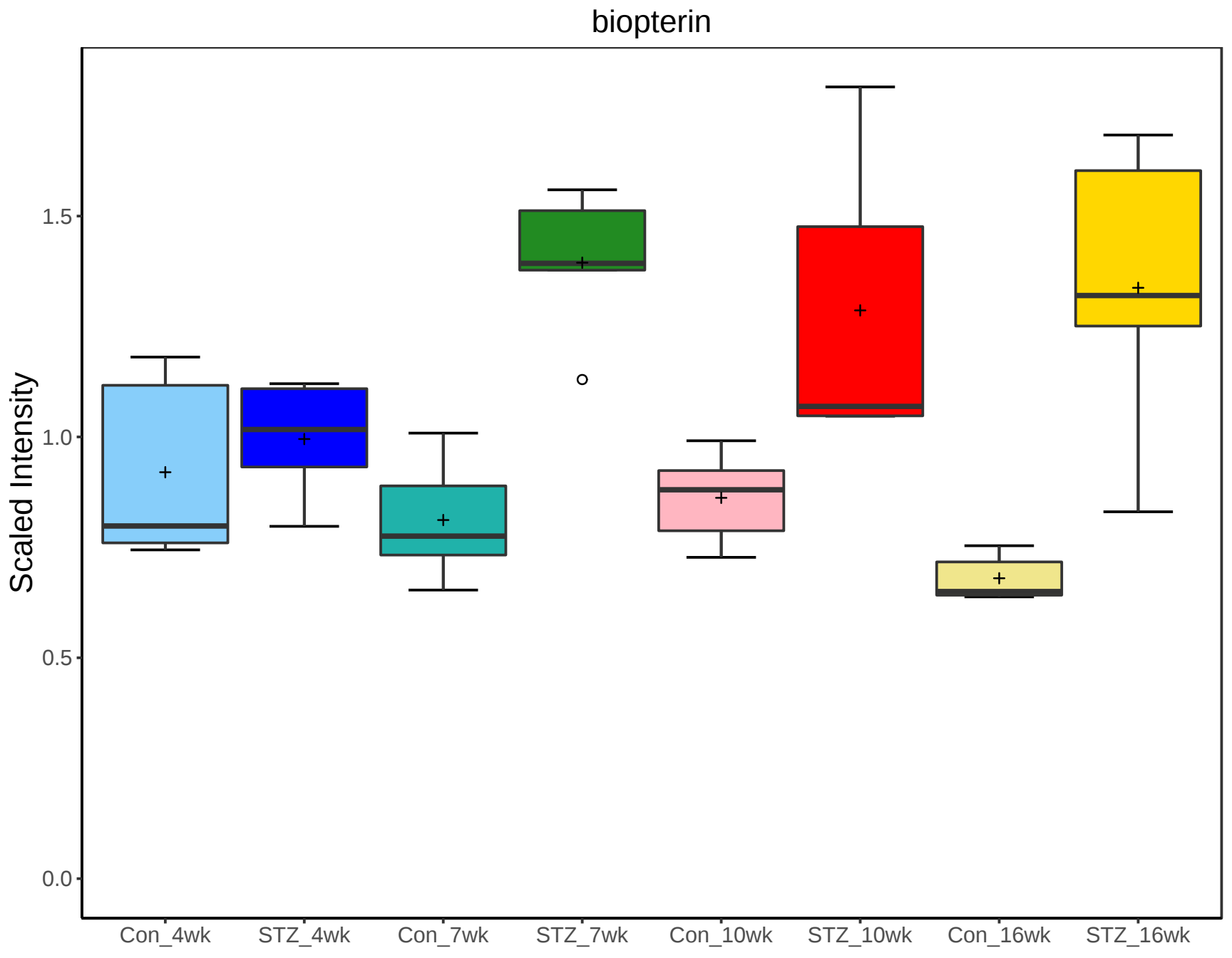

gulonate*
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

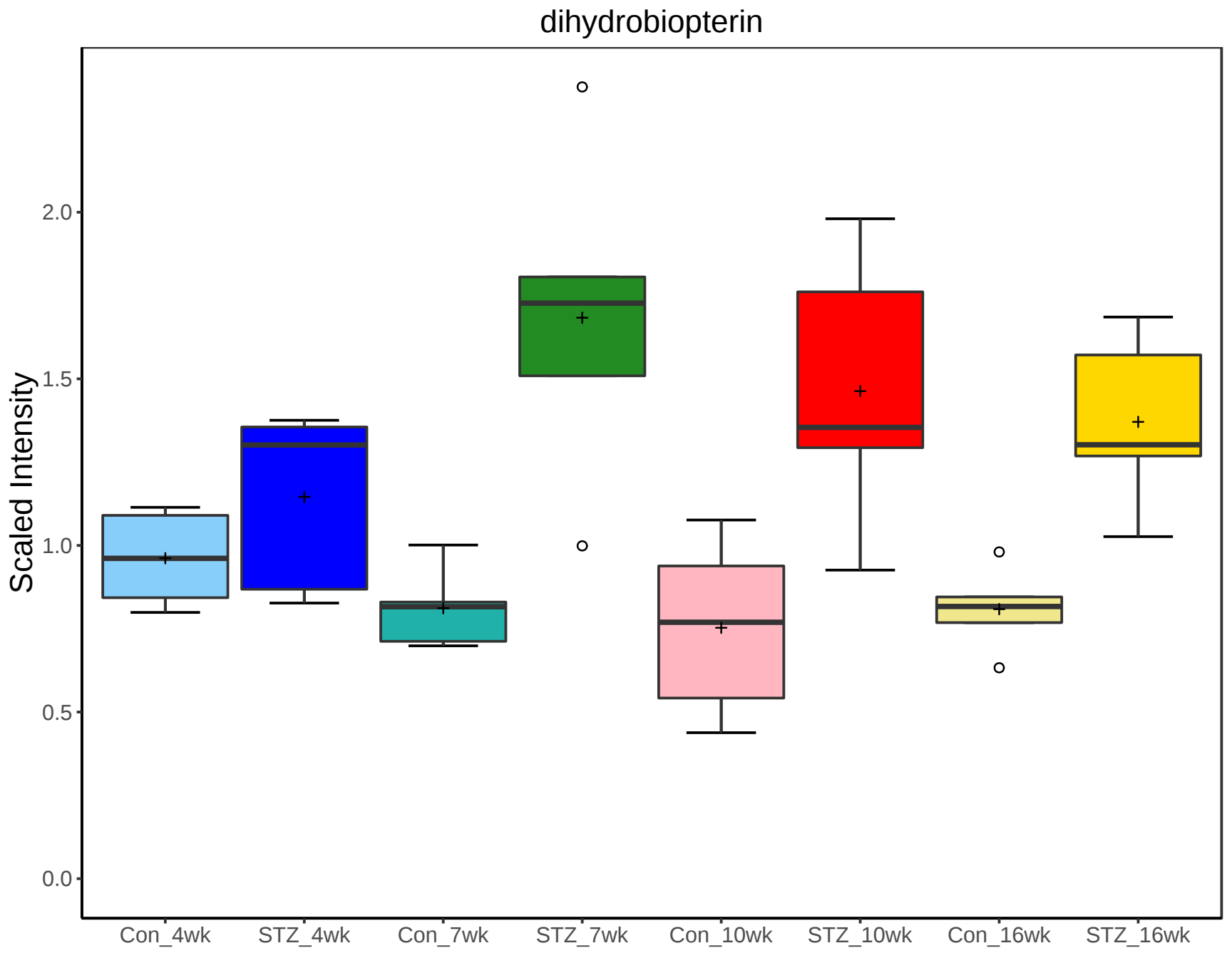

alpha-tocopherol
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

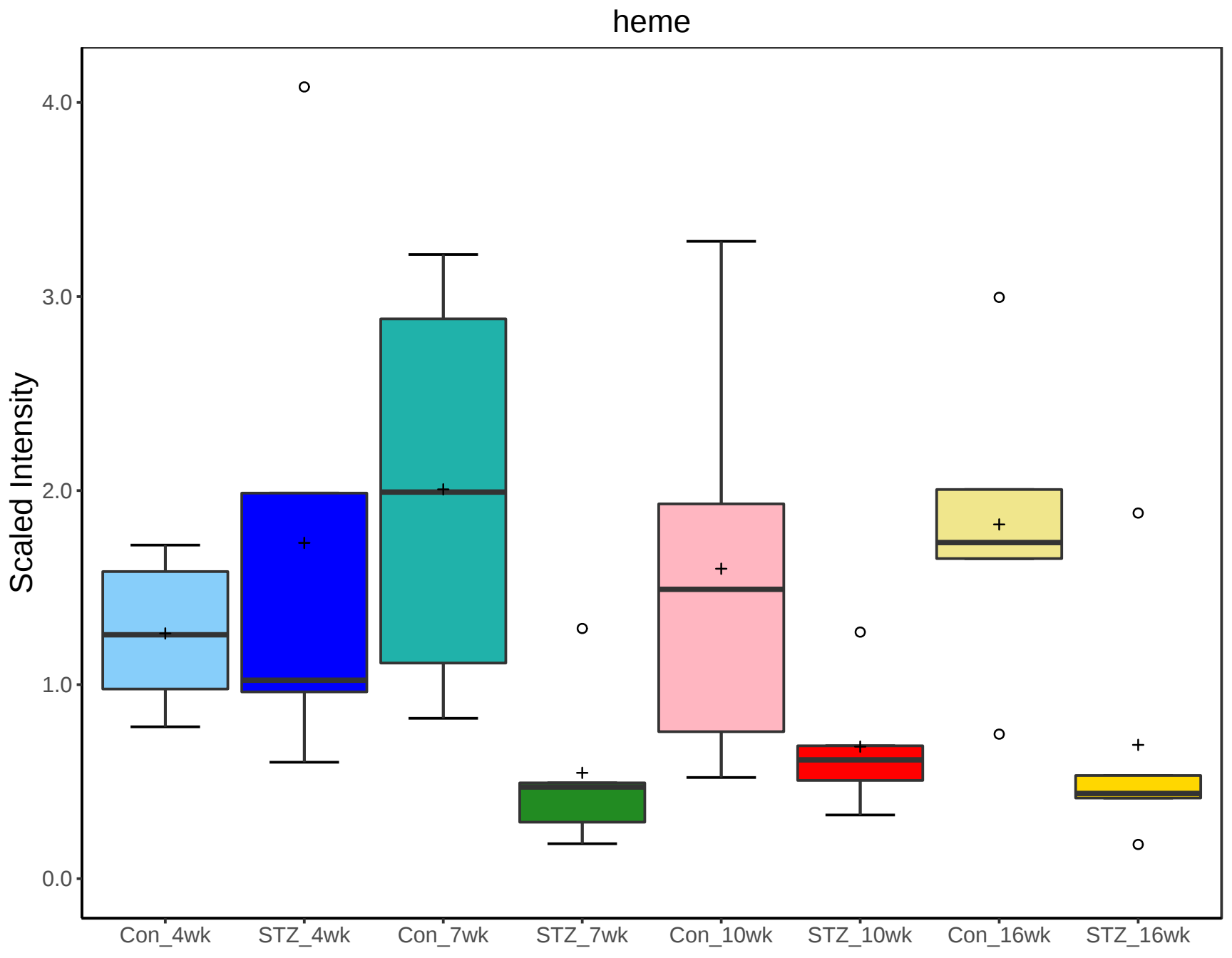

alpha-CEHC
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

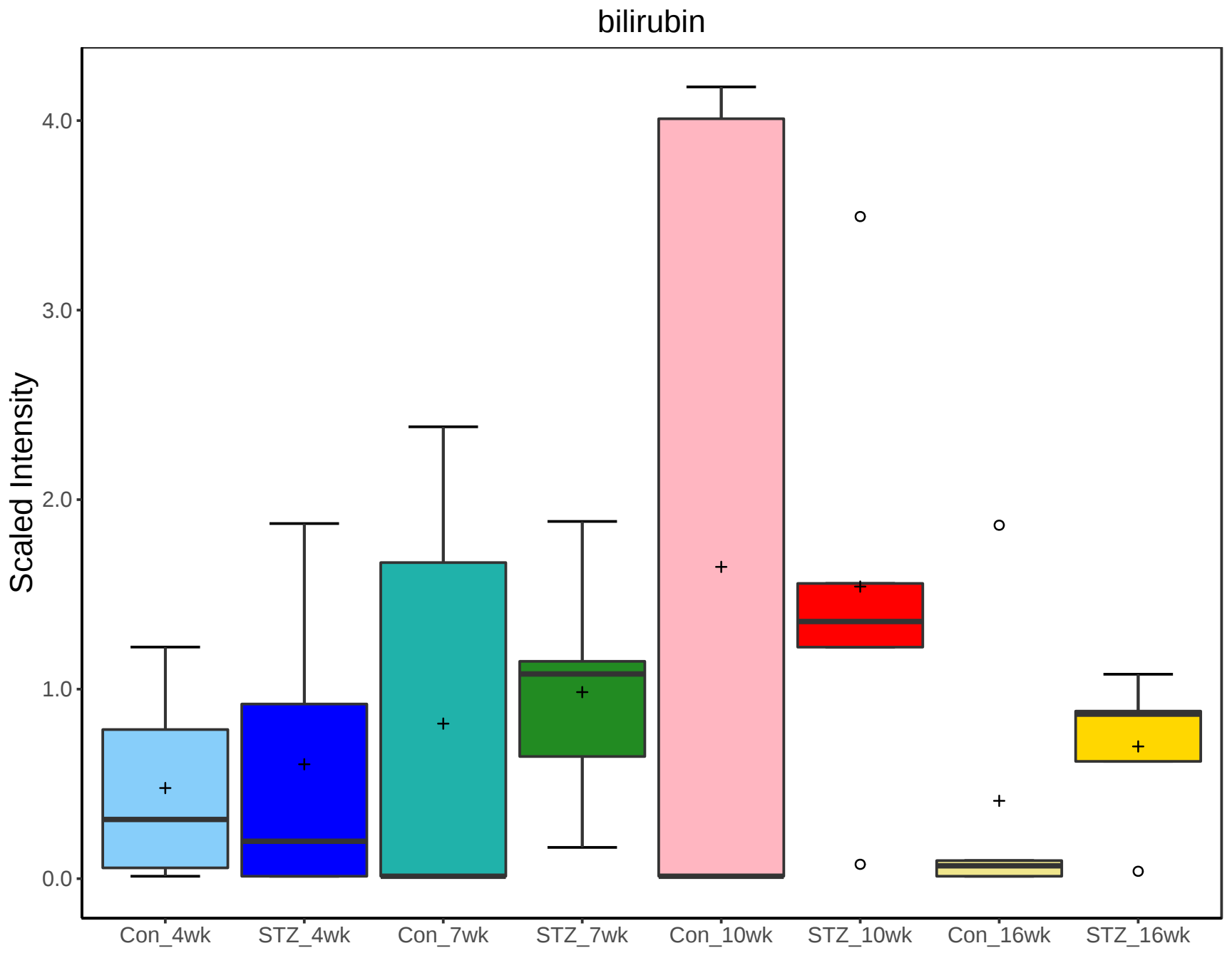

gamma-tocopherol/beta-tocopherol
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

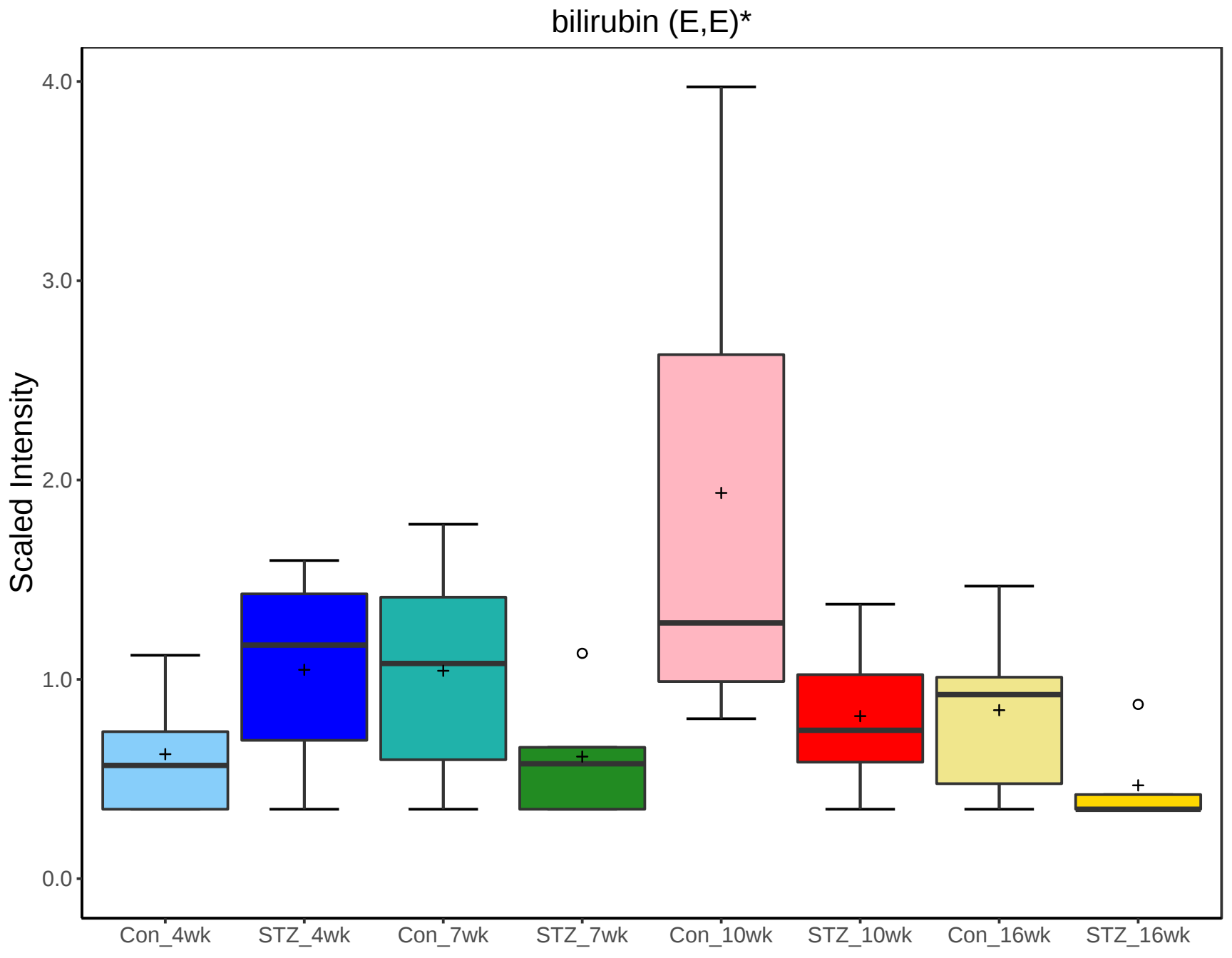

biotin
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

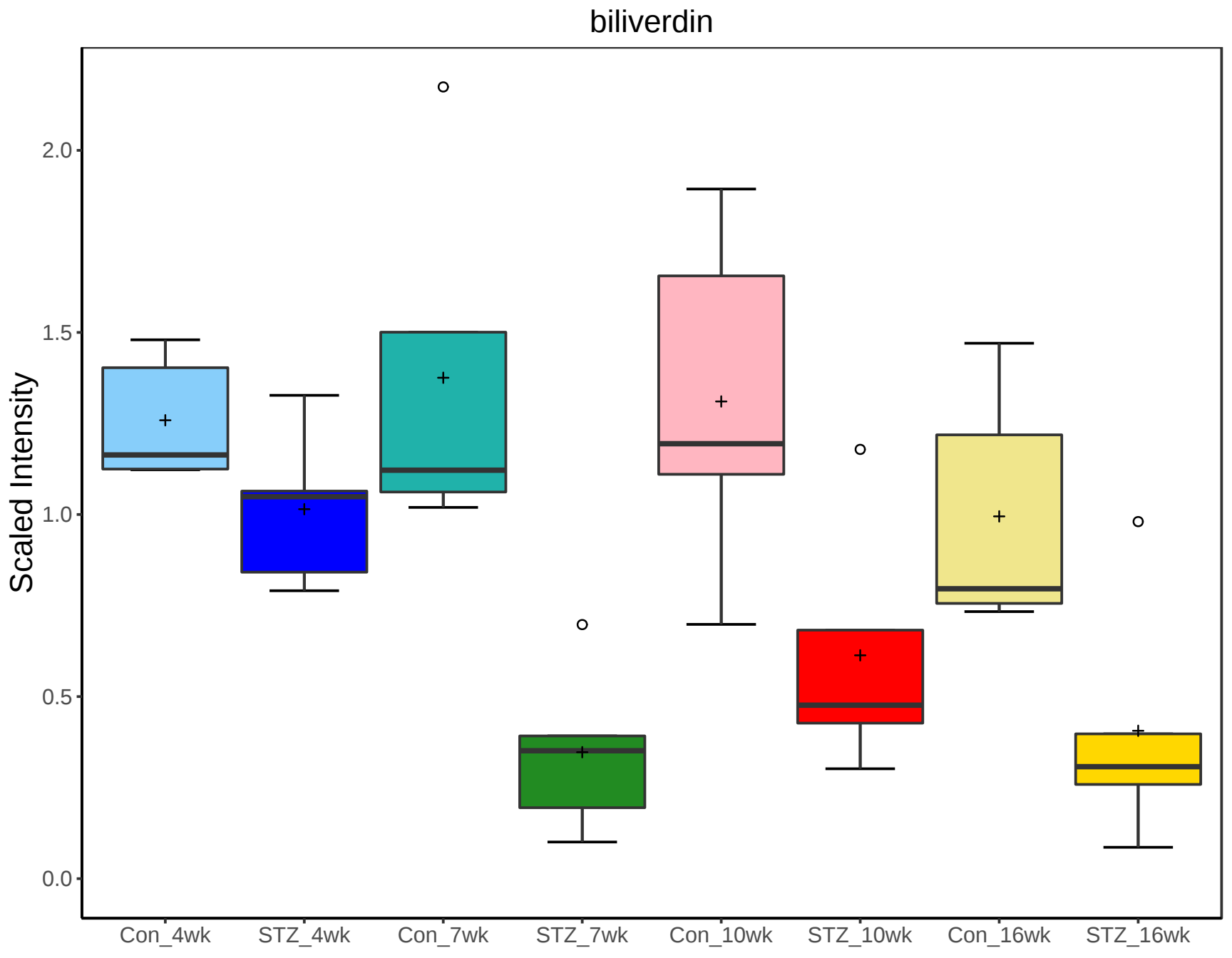

biopterin
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

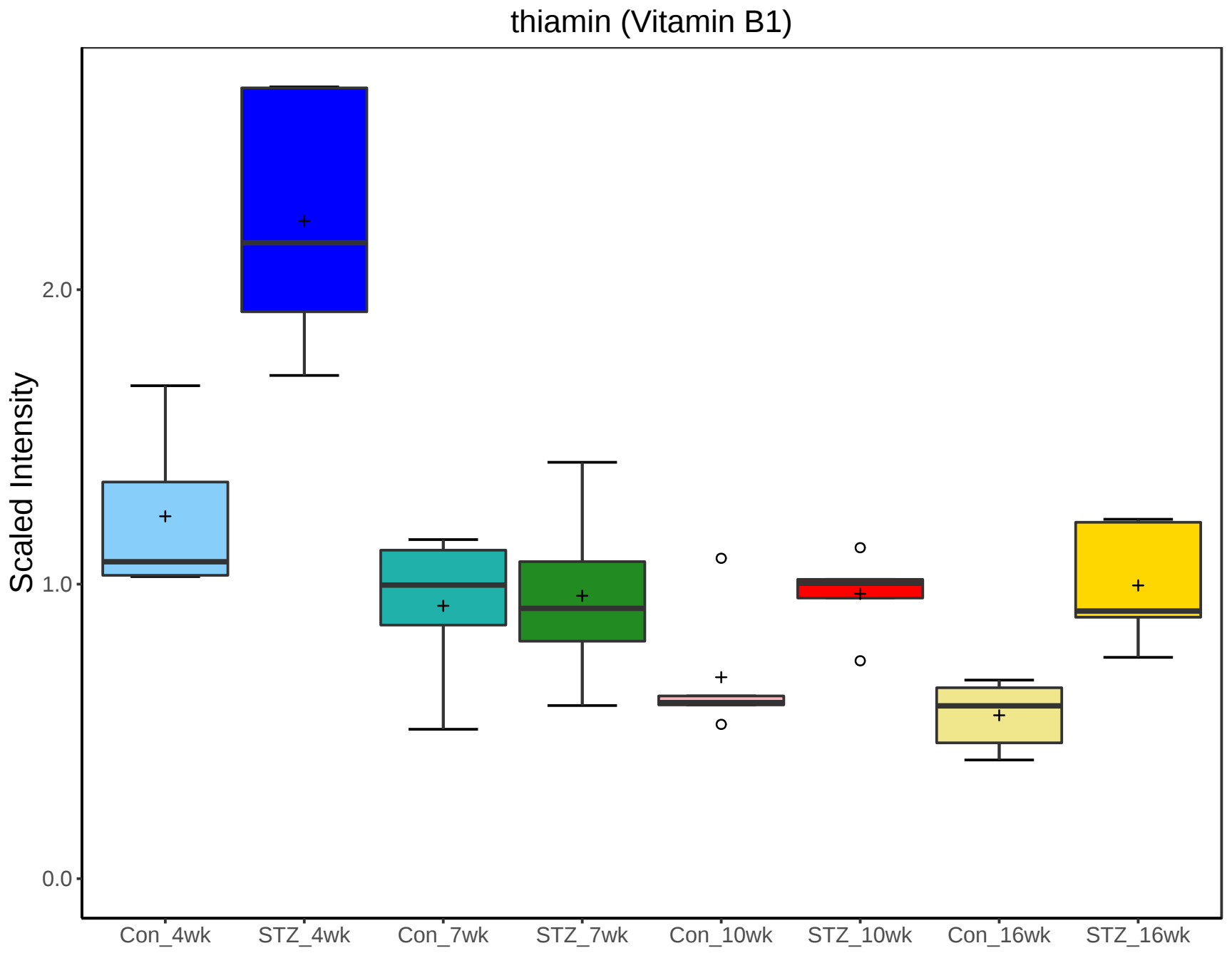

dihydrobiopterin
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

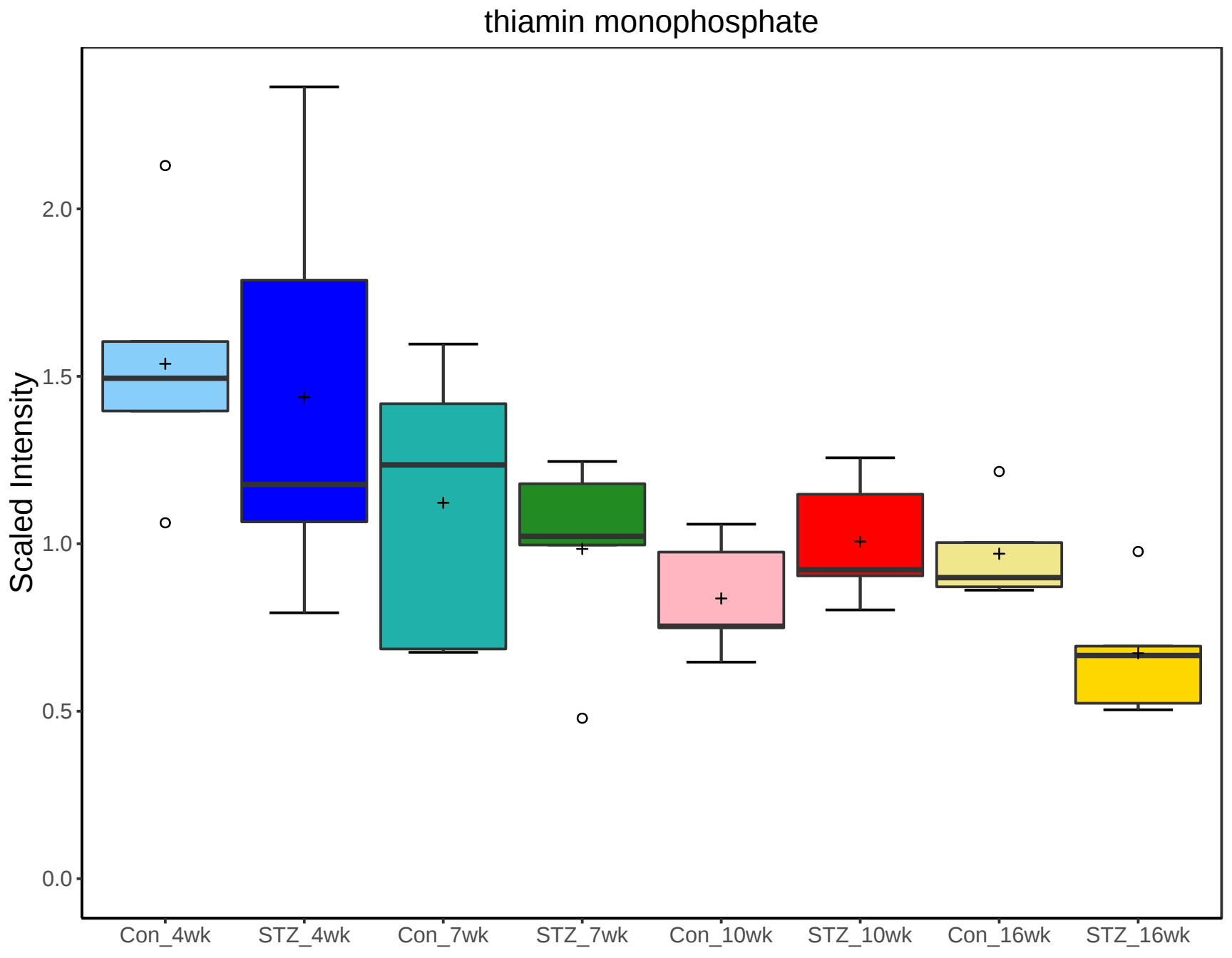

heme
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

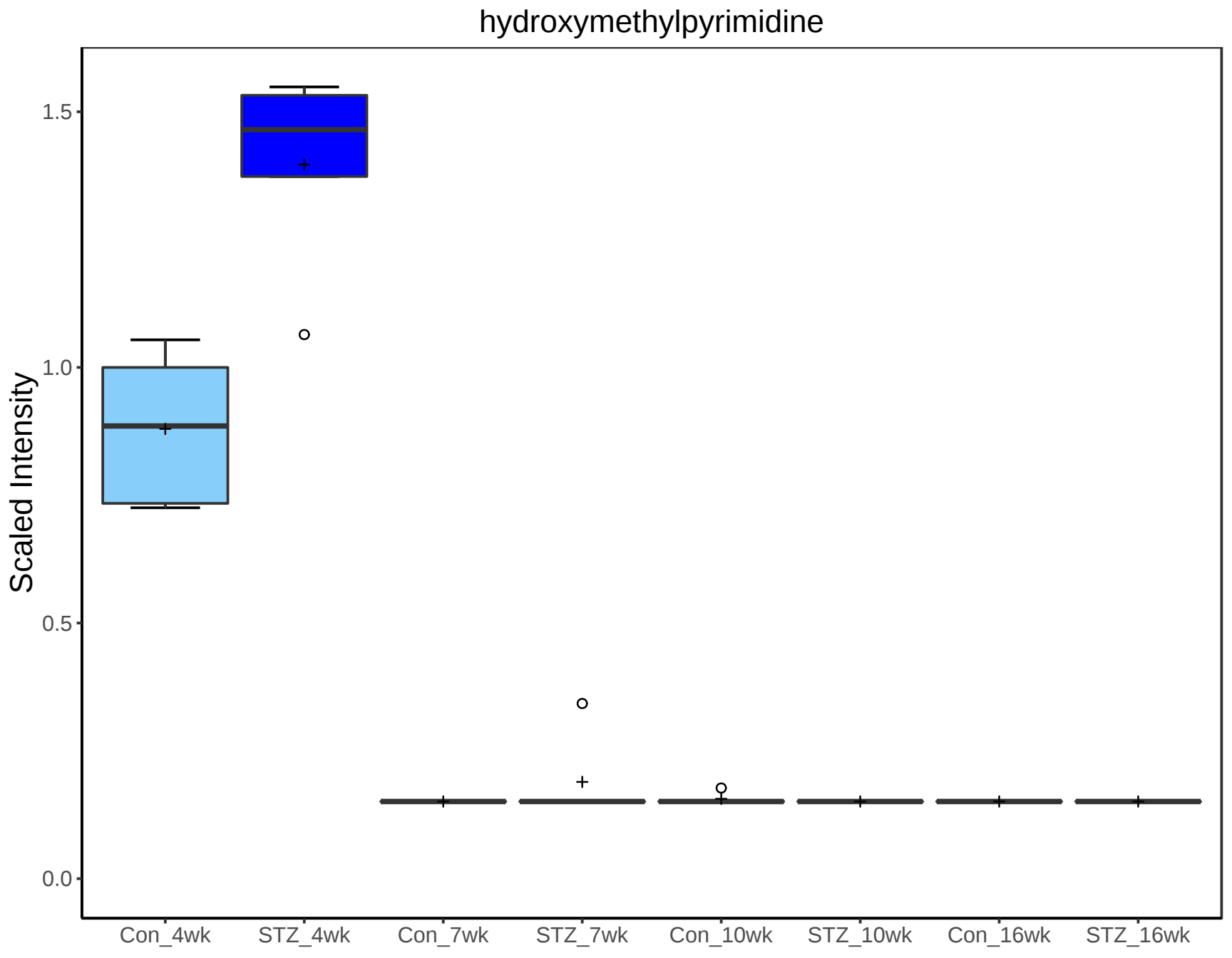

bilirubin
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

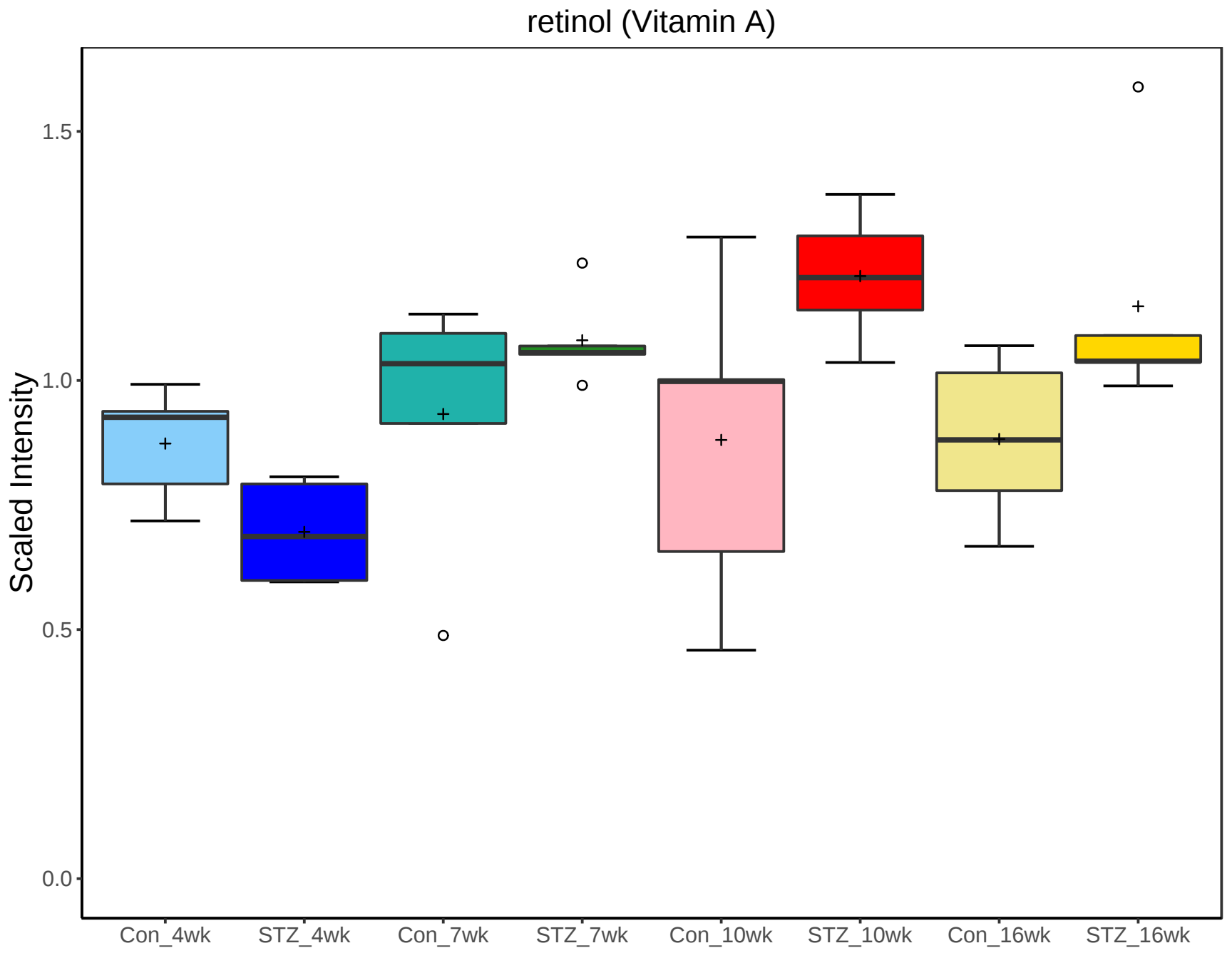

bilirubin (E,E)*
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

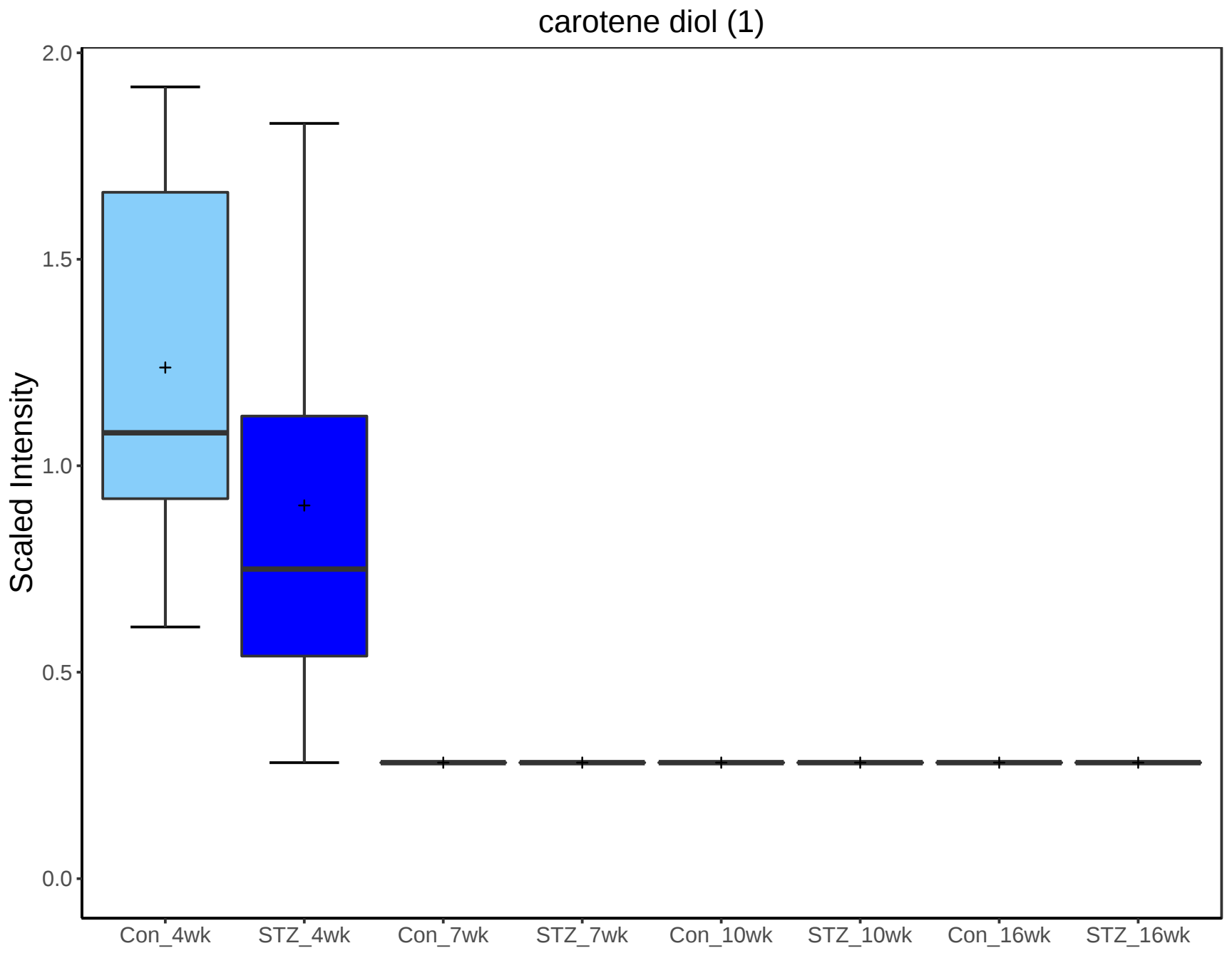

biliverdin
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

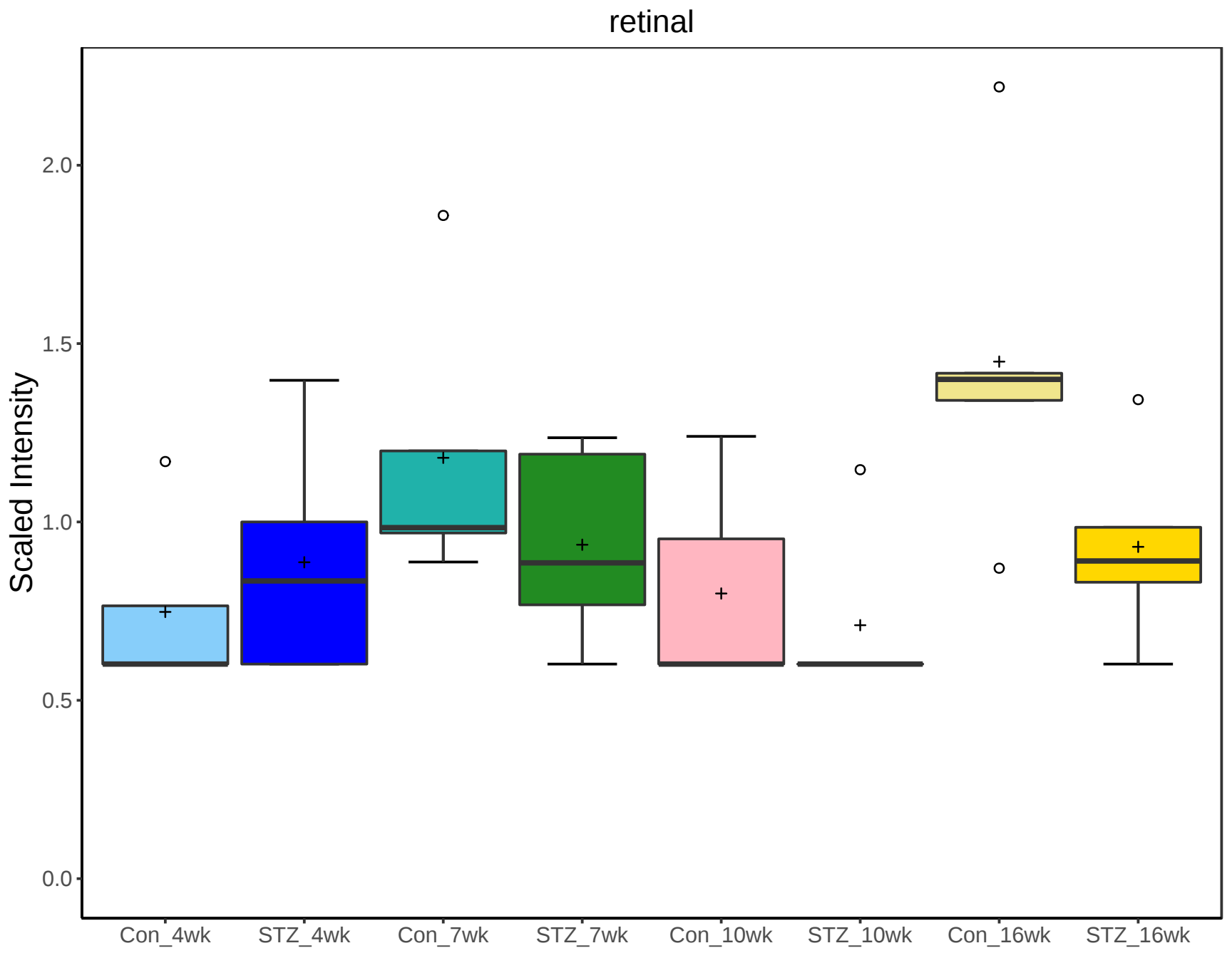

thiamin (Vitamin B1)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

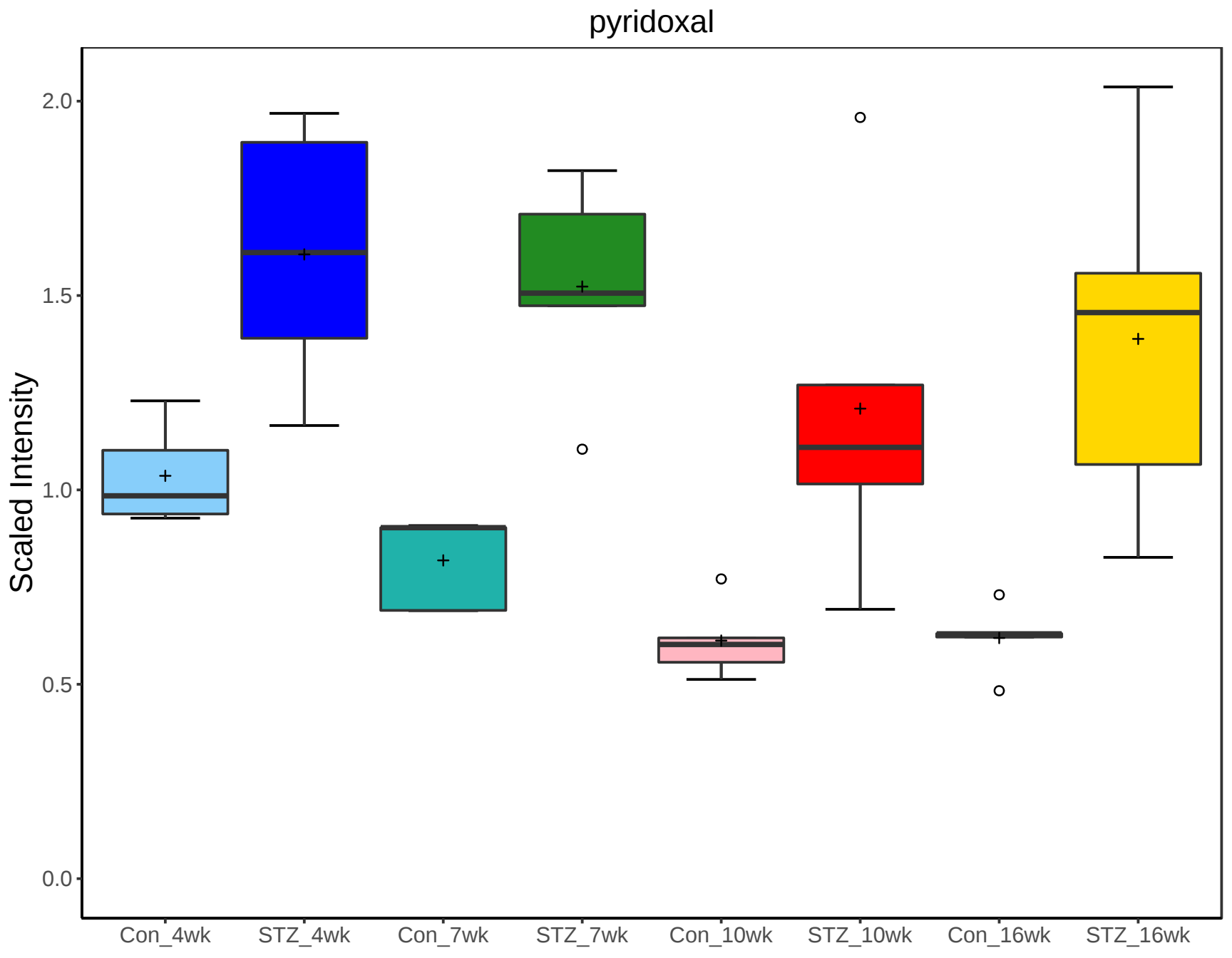

thiamin monophosphate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

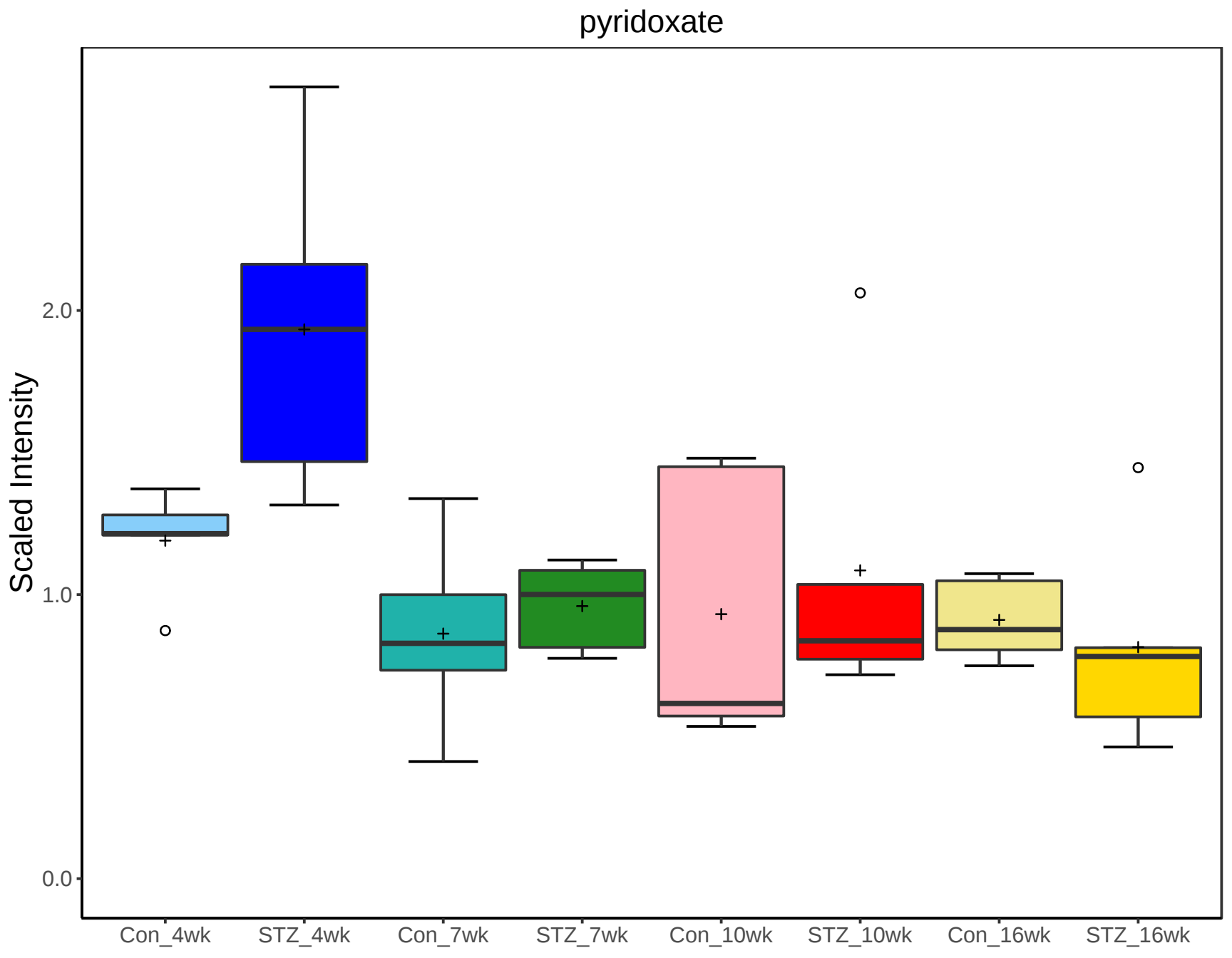

hydroxymethylpyrimidine
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

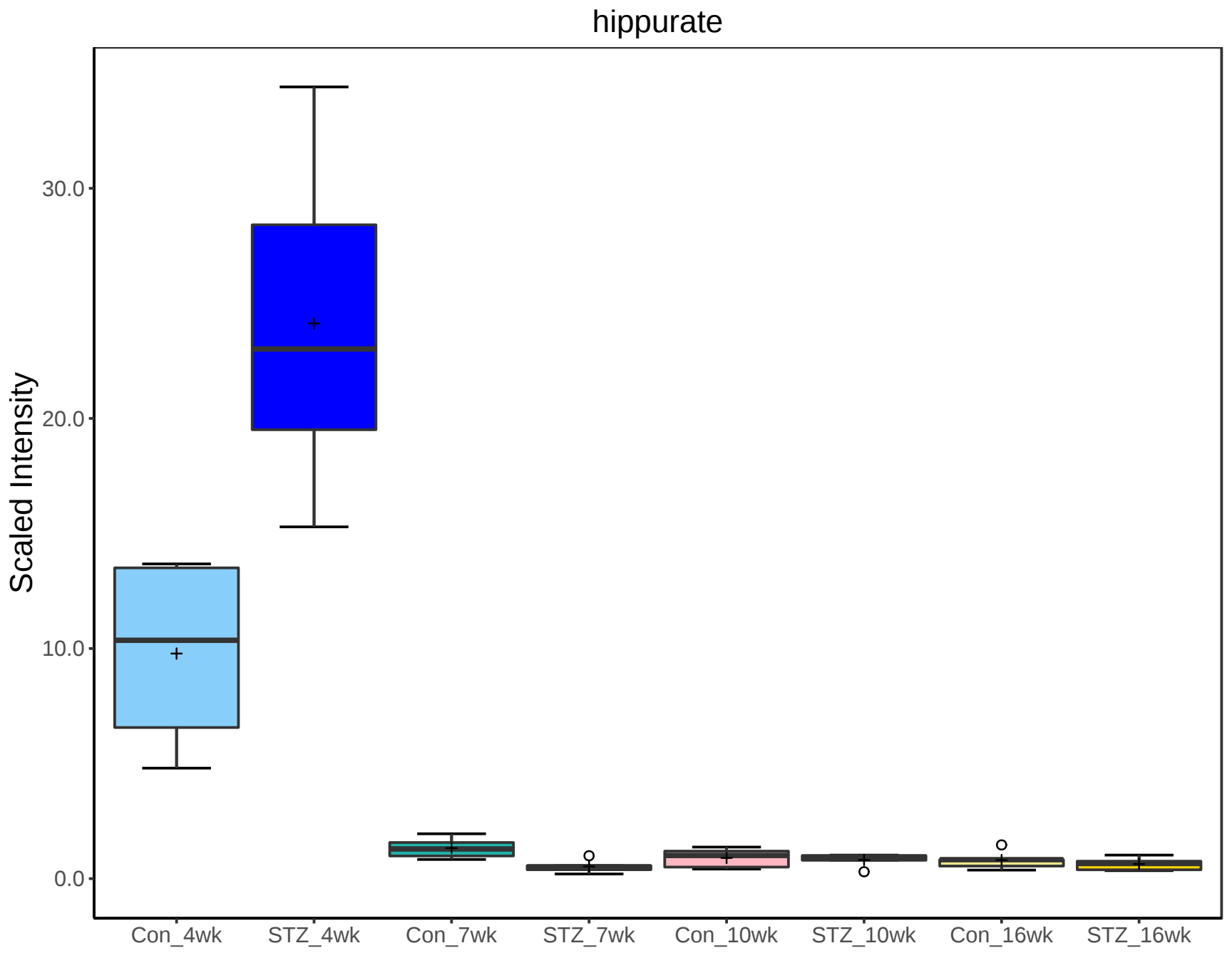

retinol (Vitamin A)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

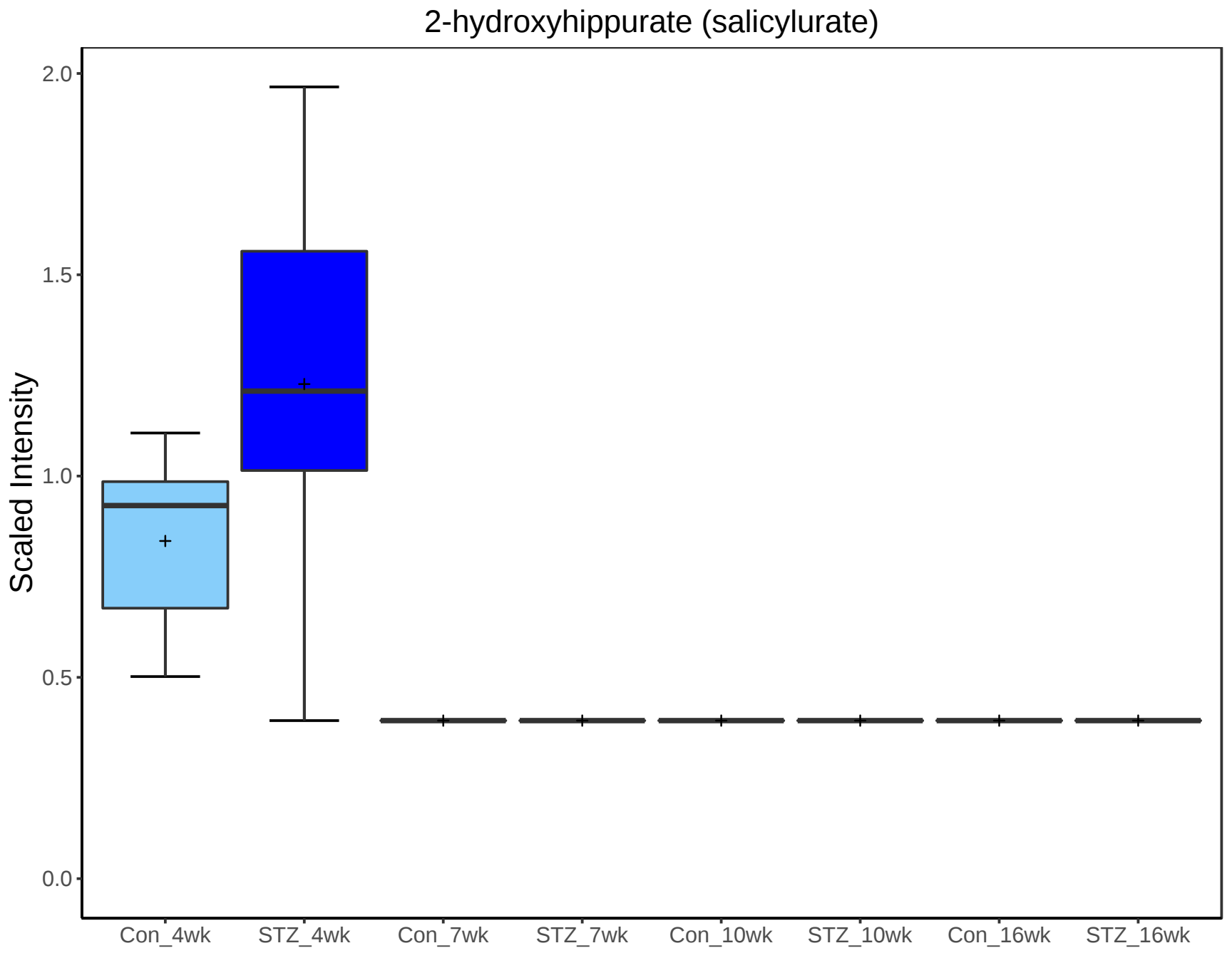

carotene diol (1)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

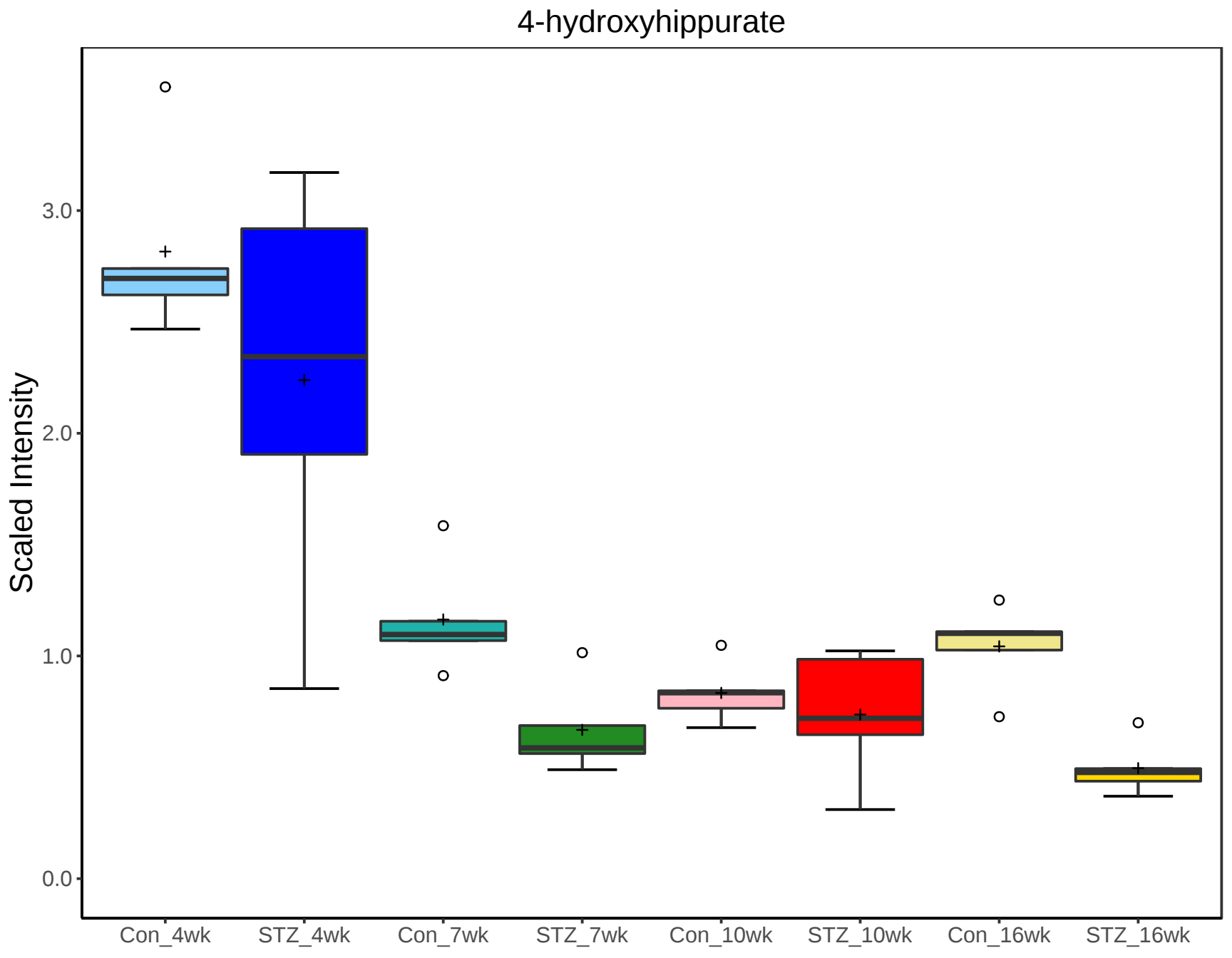

retinal
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

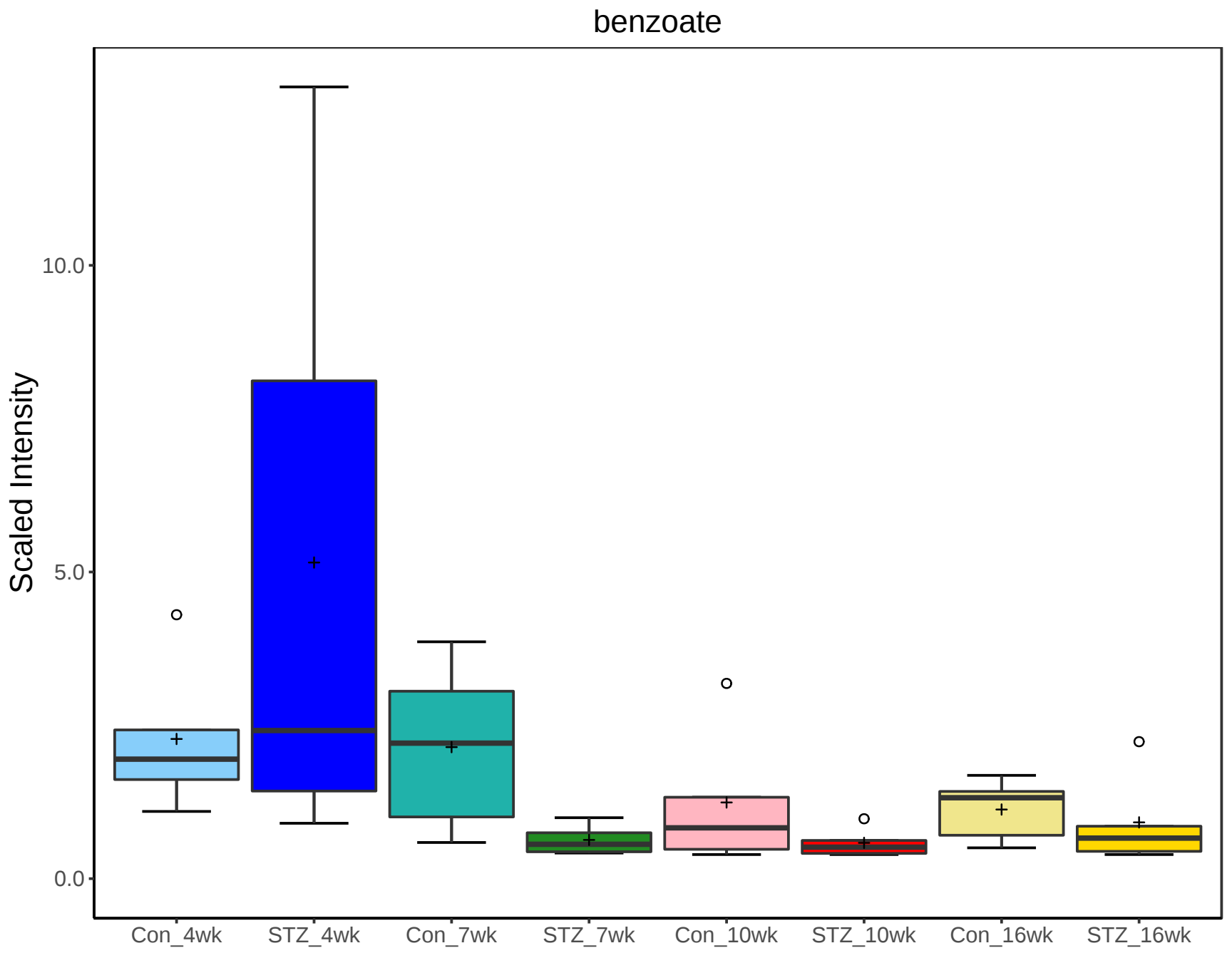

pyridoxal
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

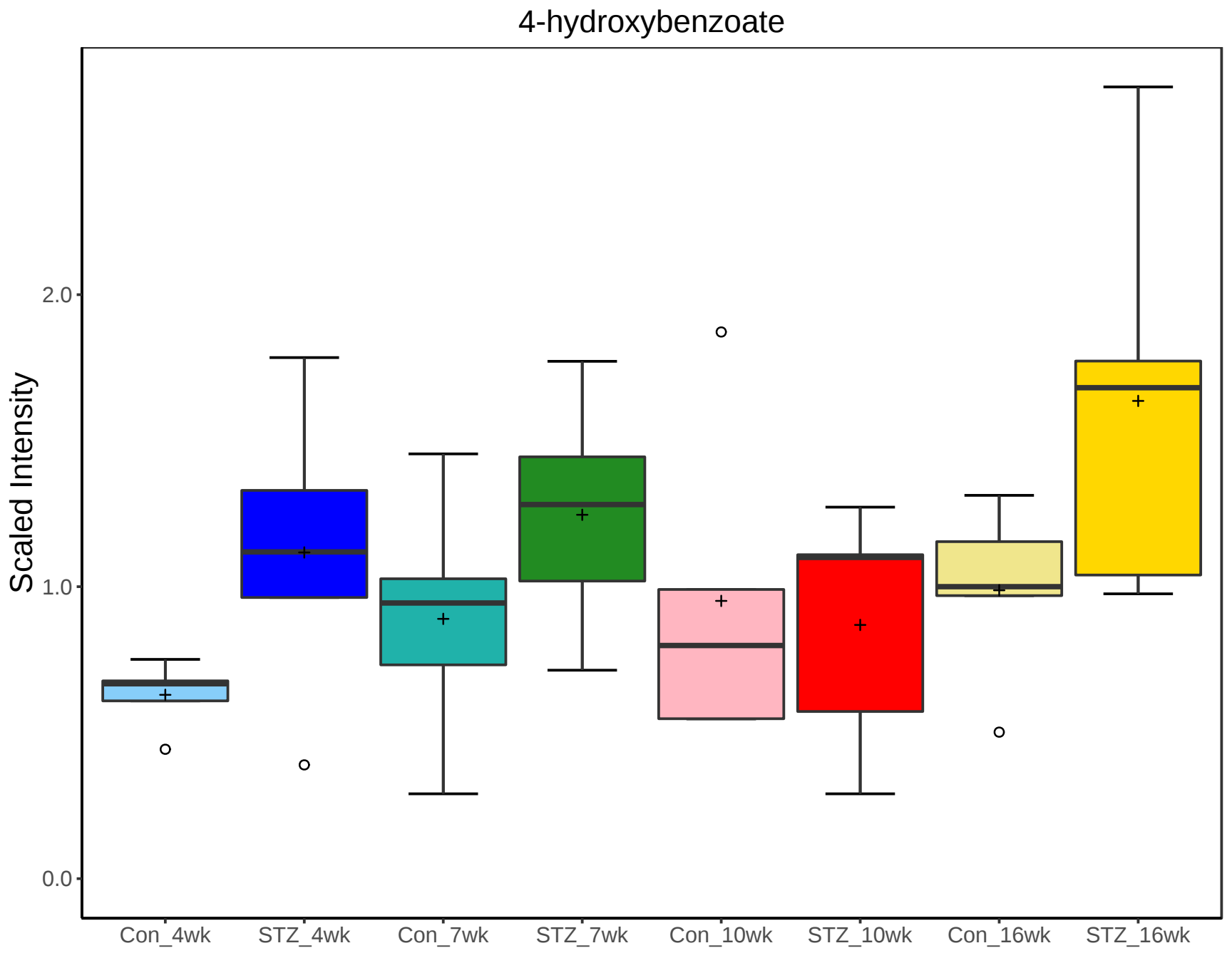

pyridoxate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

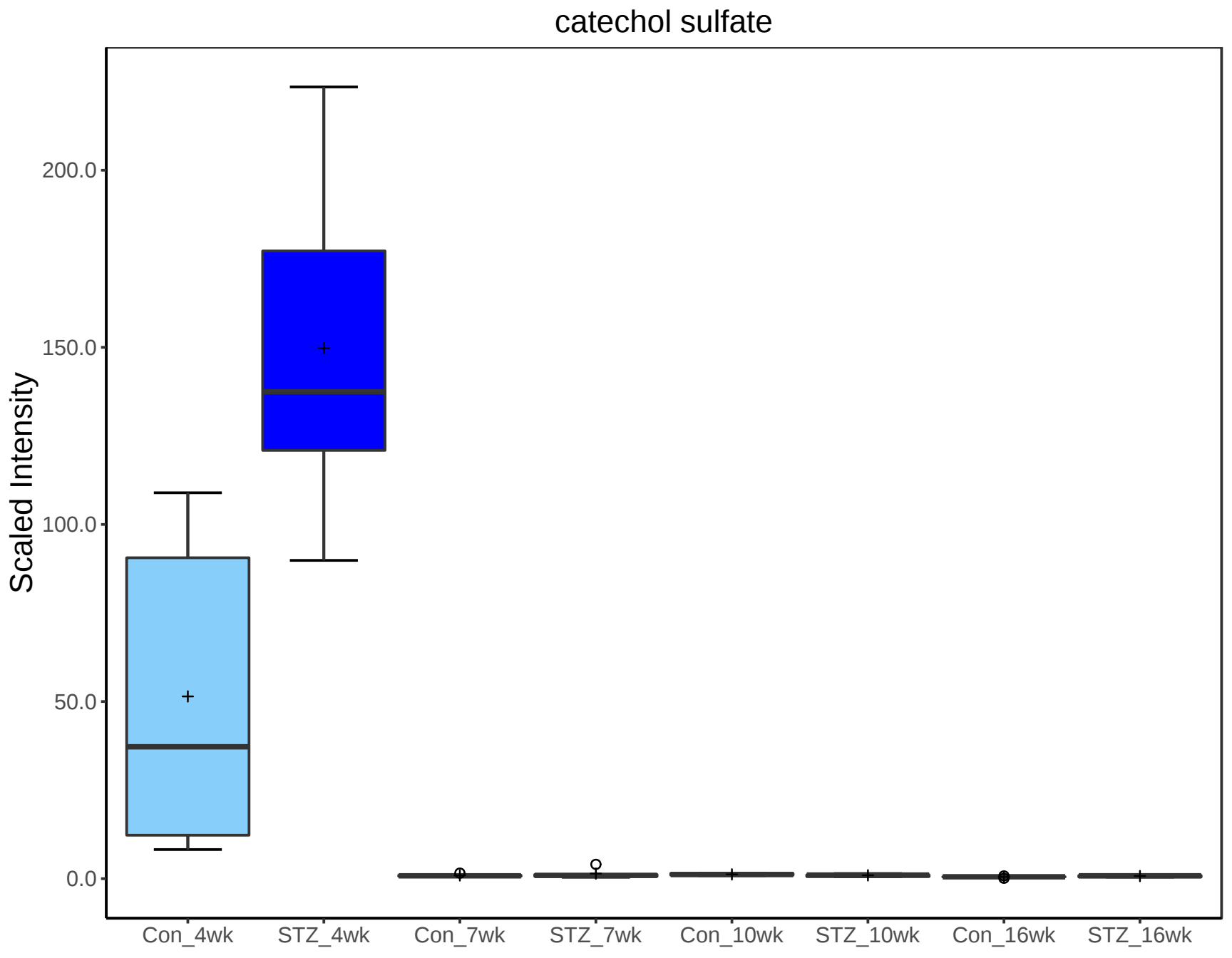

hippurate
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

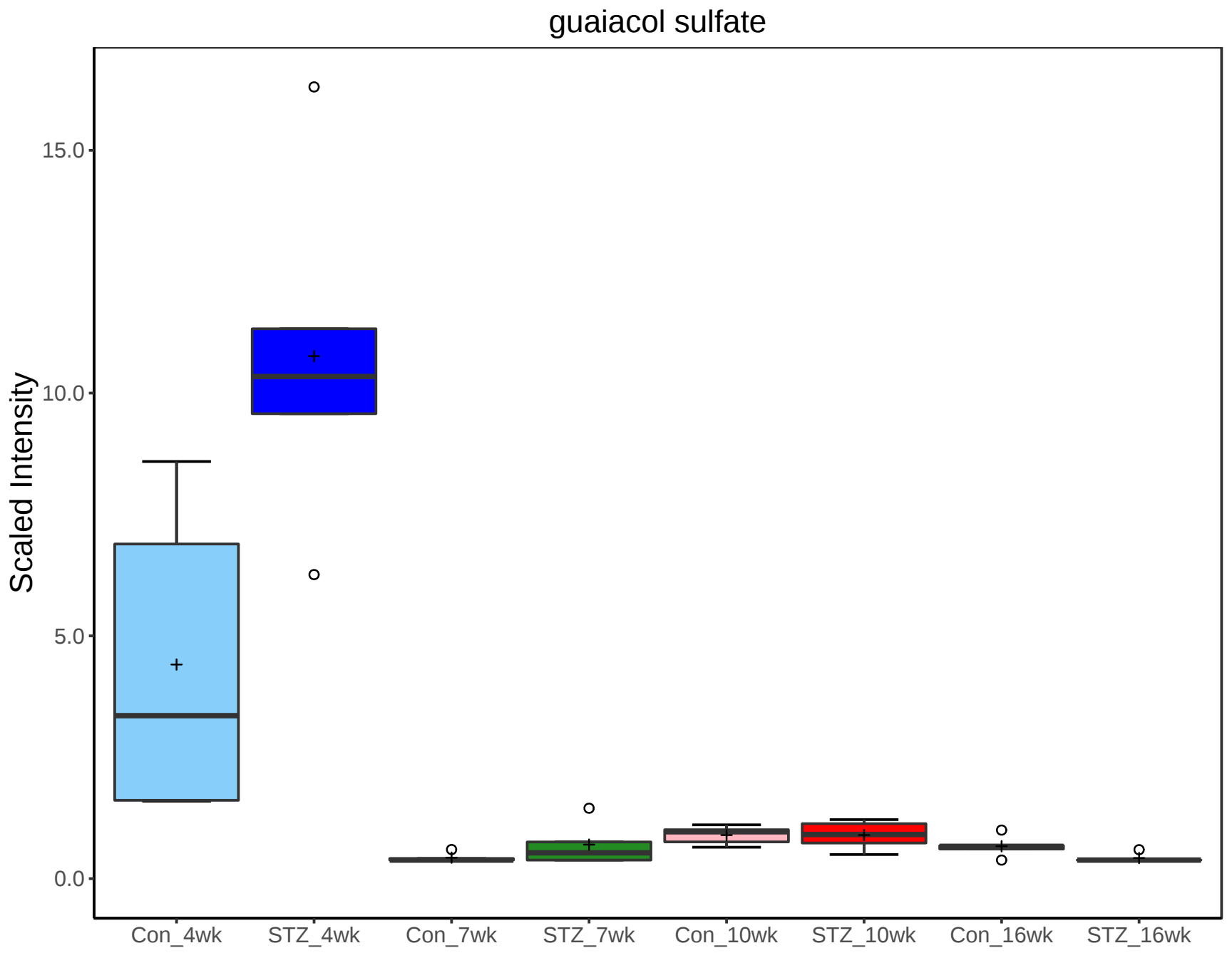

2-hydroxyhippurate (salicylurate)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

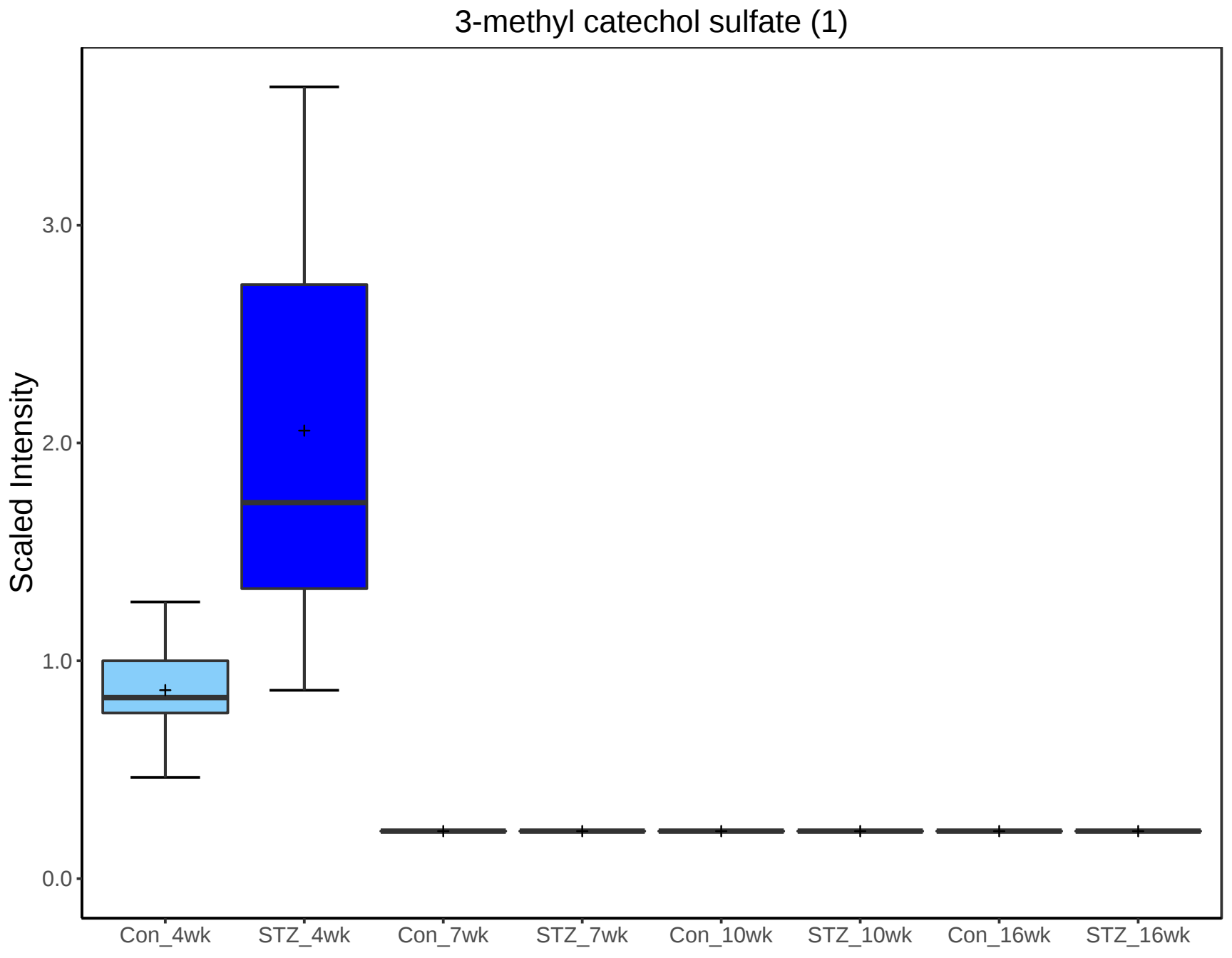

4-hydroxyhippurate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

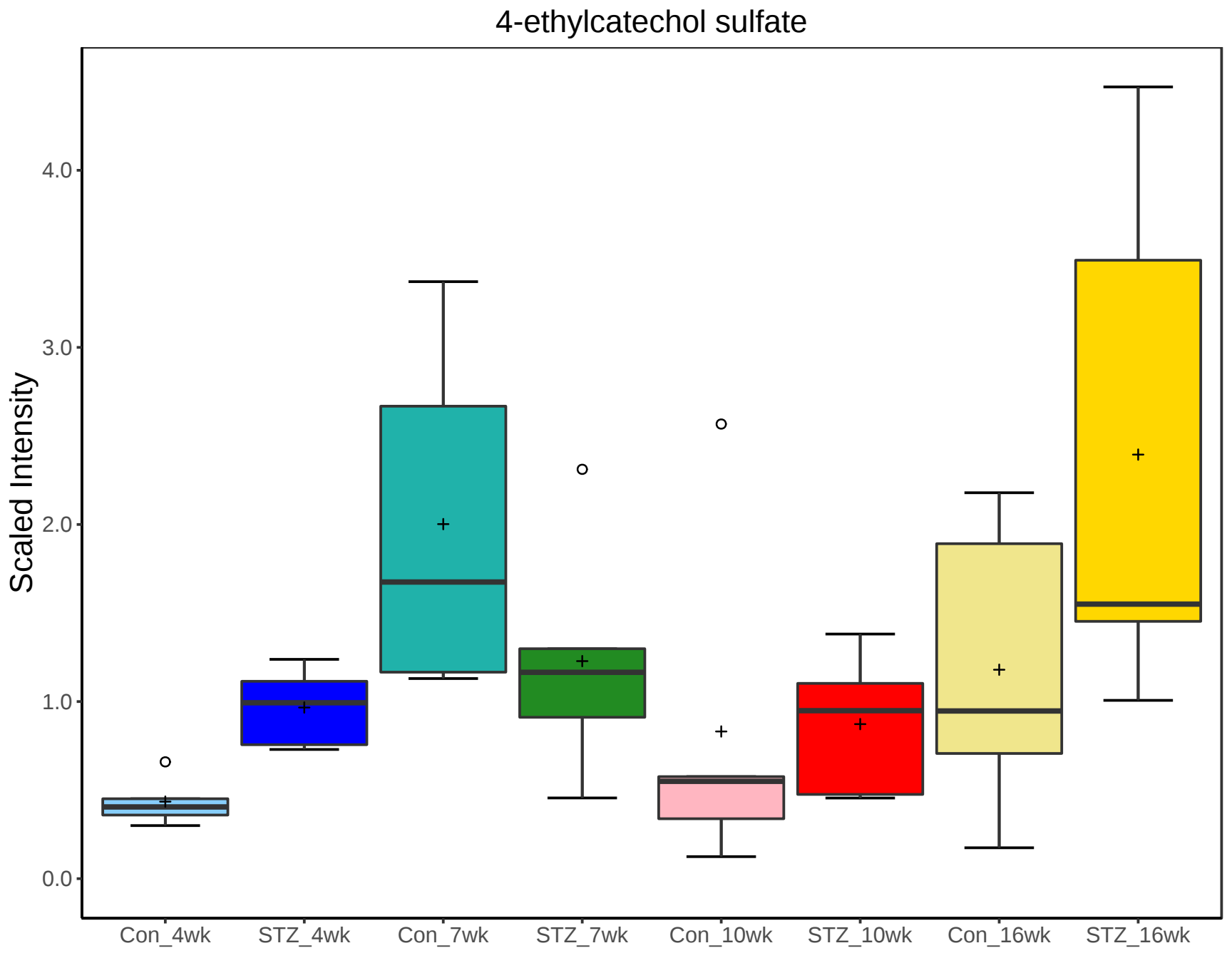

benzoate
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

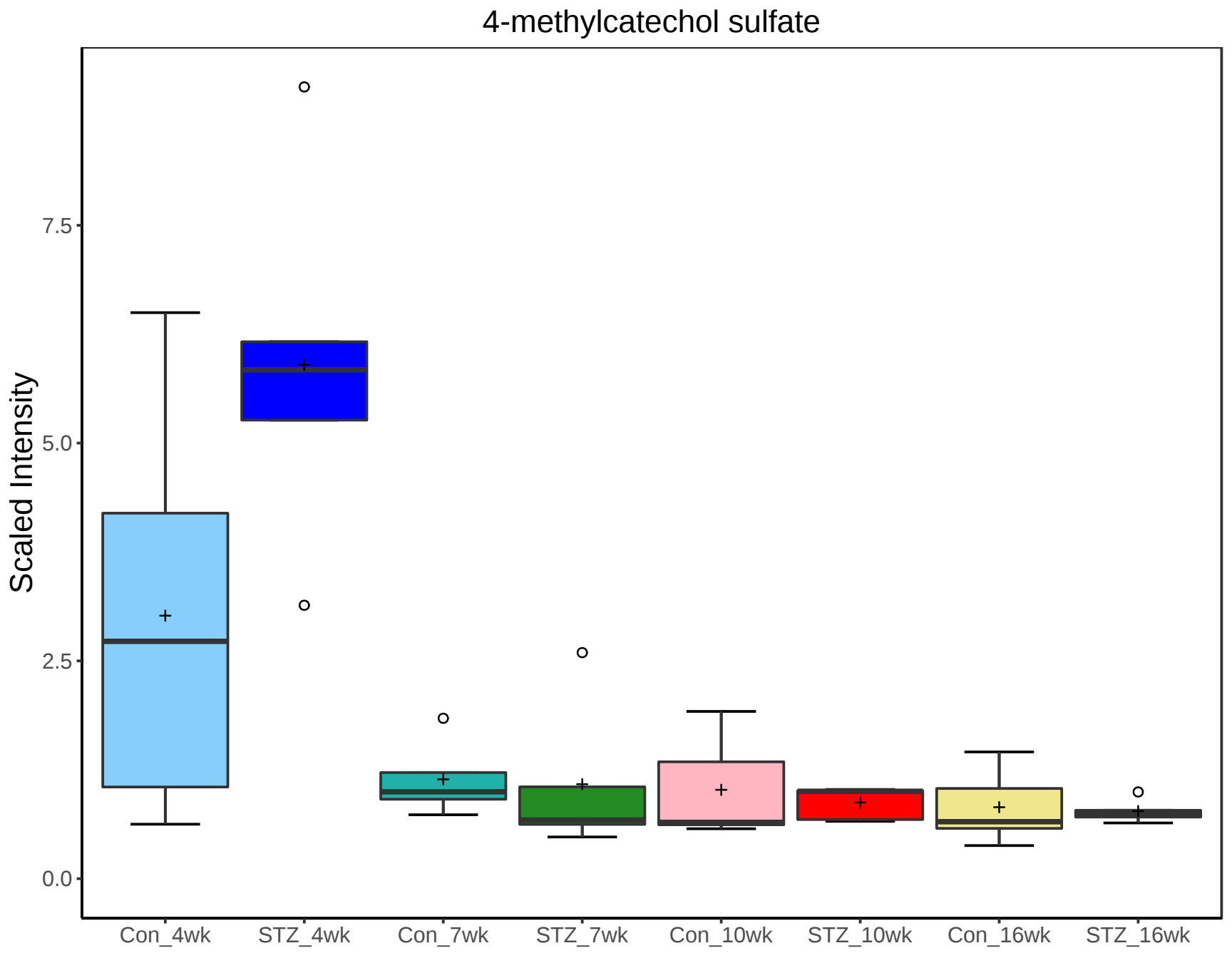

4-hydroxybenzoate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

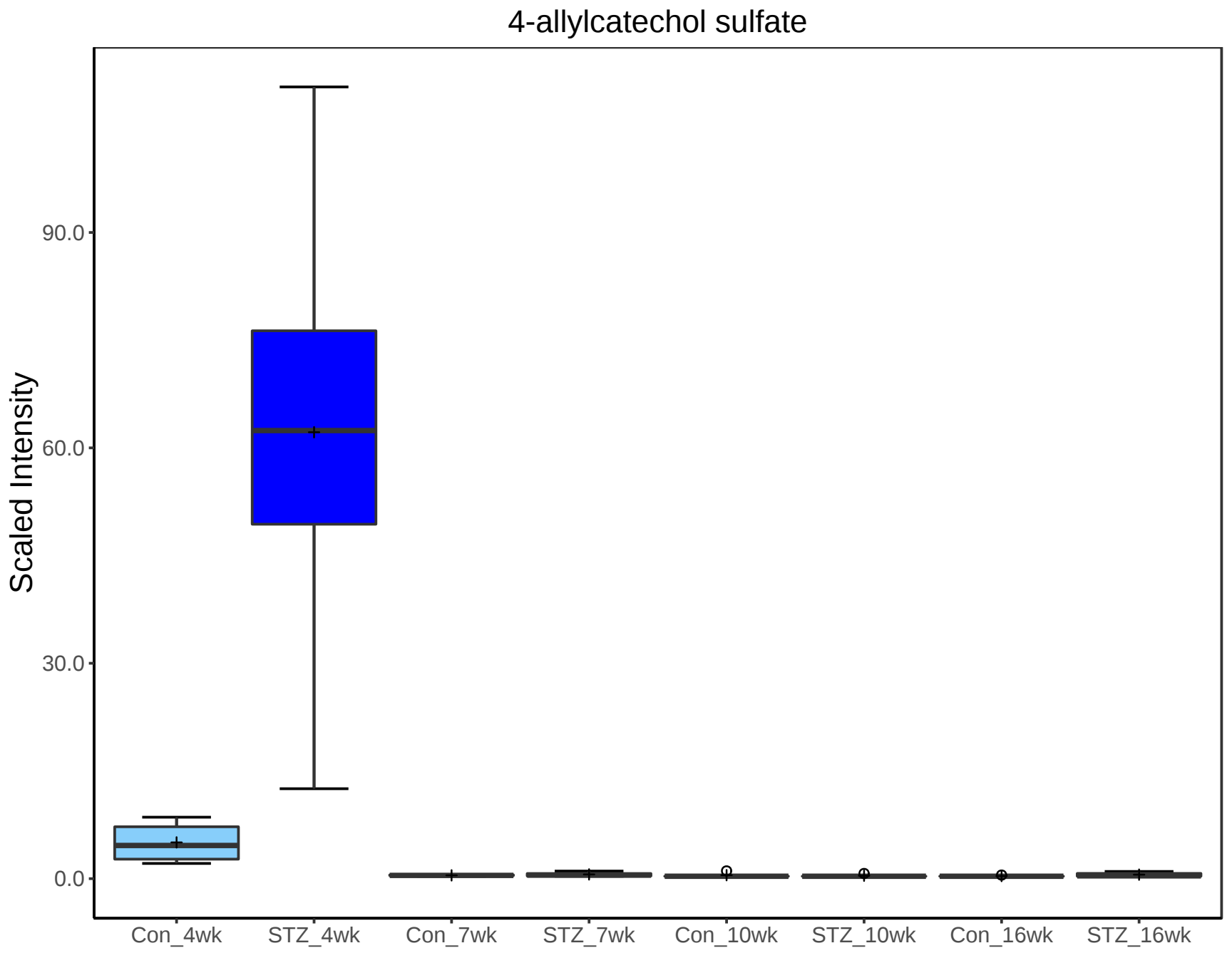

catechol sulfate
Scaled Intensity
200.0
150.0
100.0
50.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

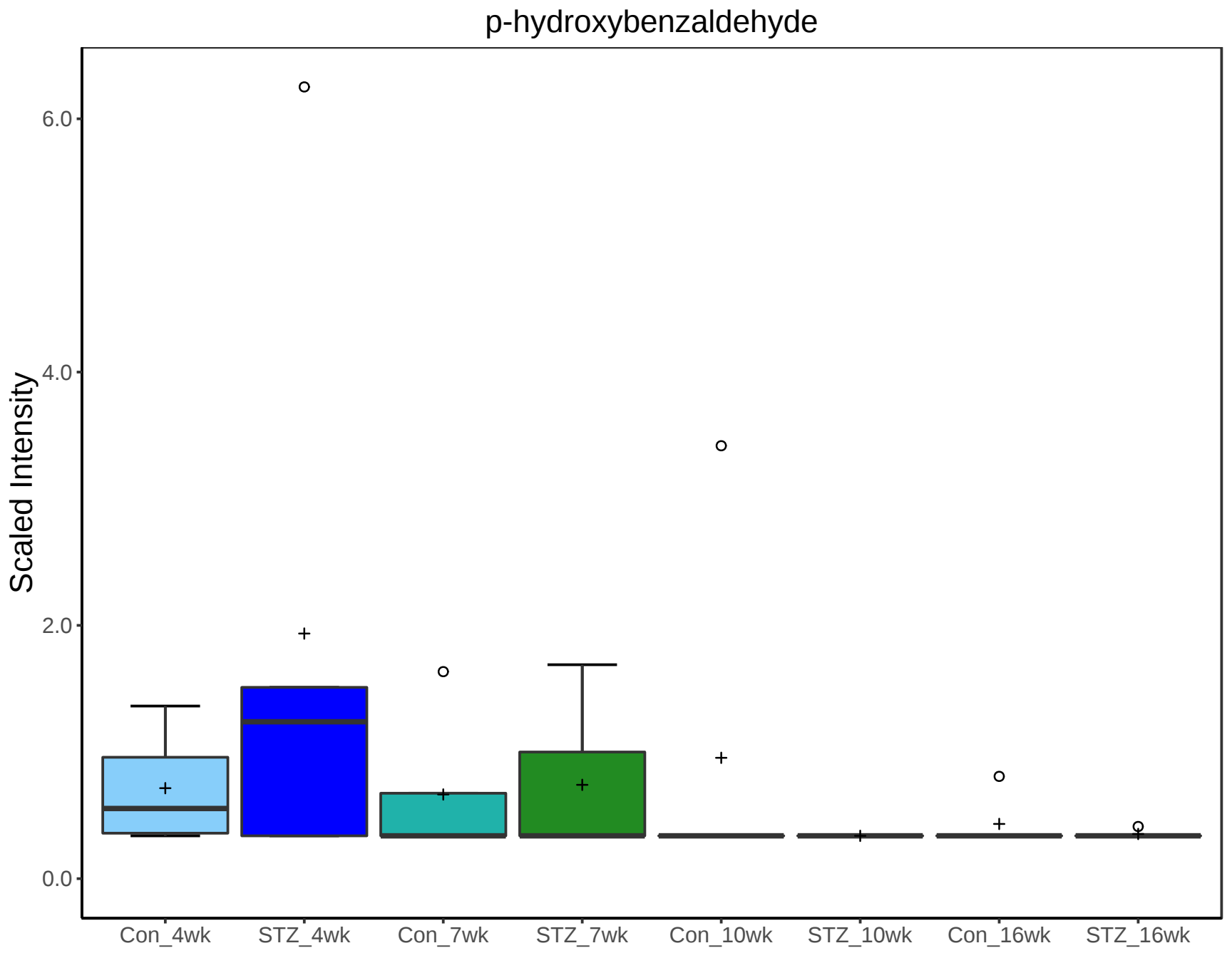

guaiacol sulfate
Scaled Intensity
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

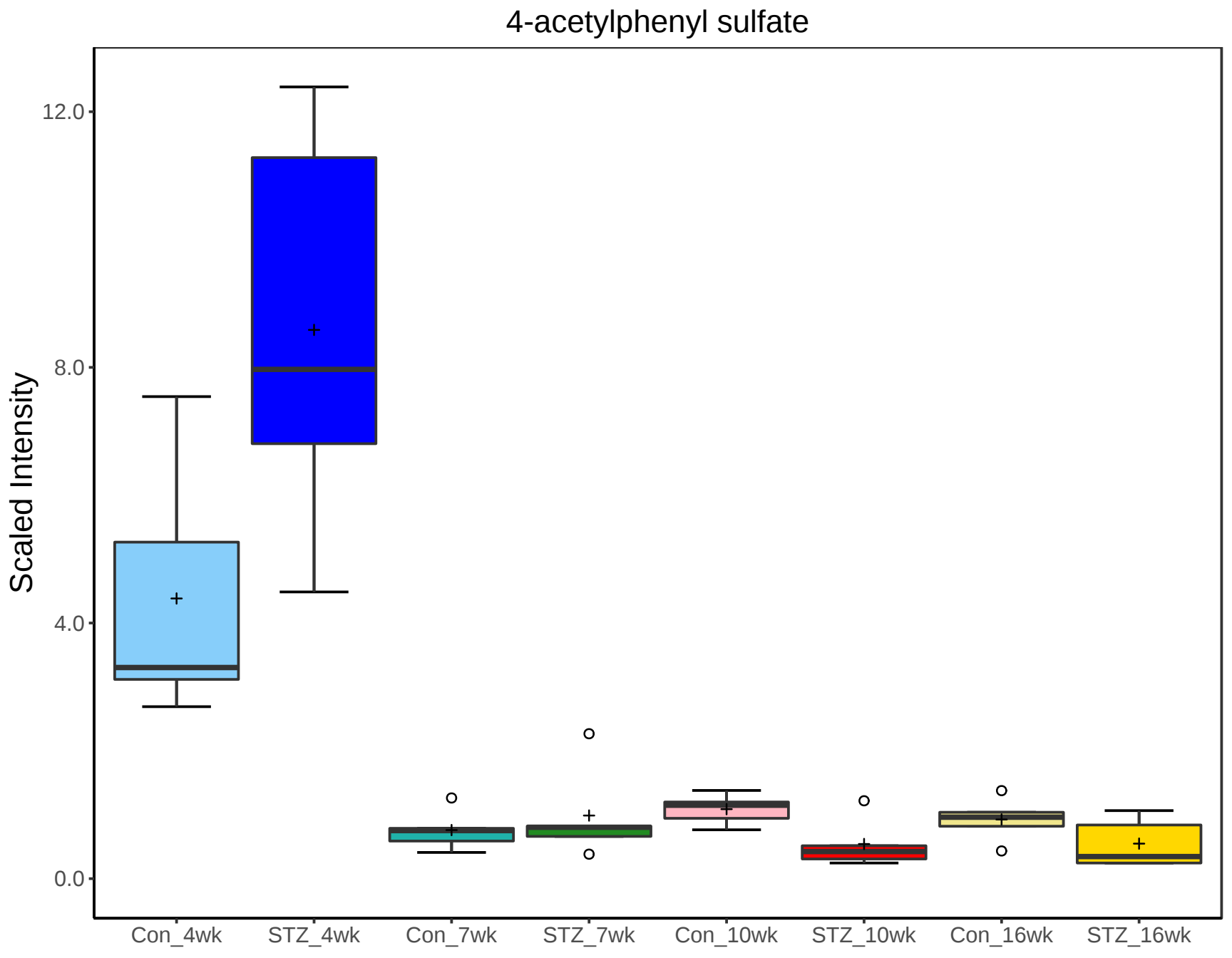

3-methyl catechol sulfate (1)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

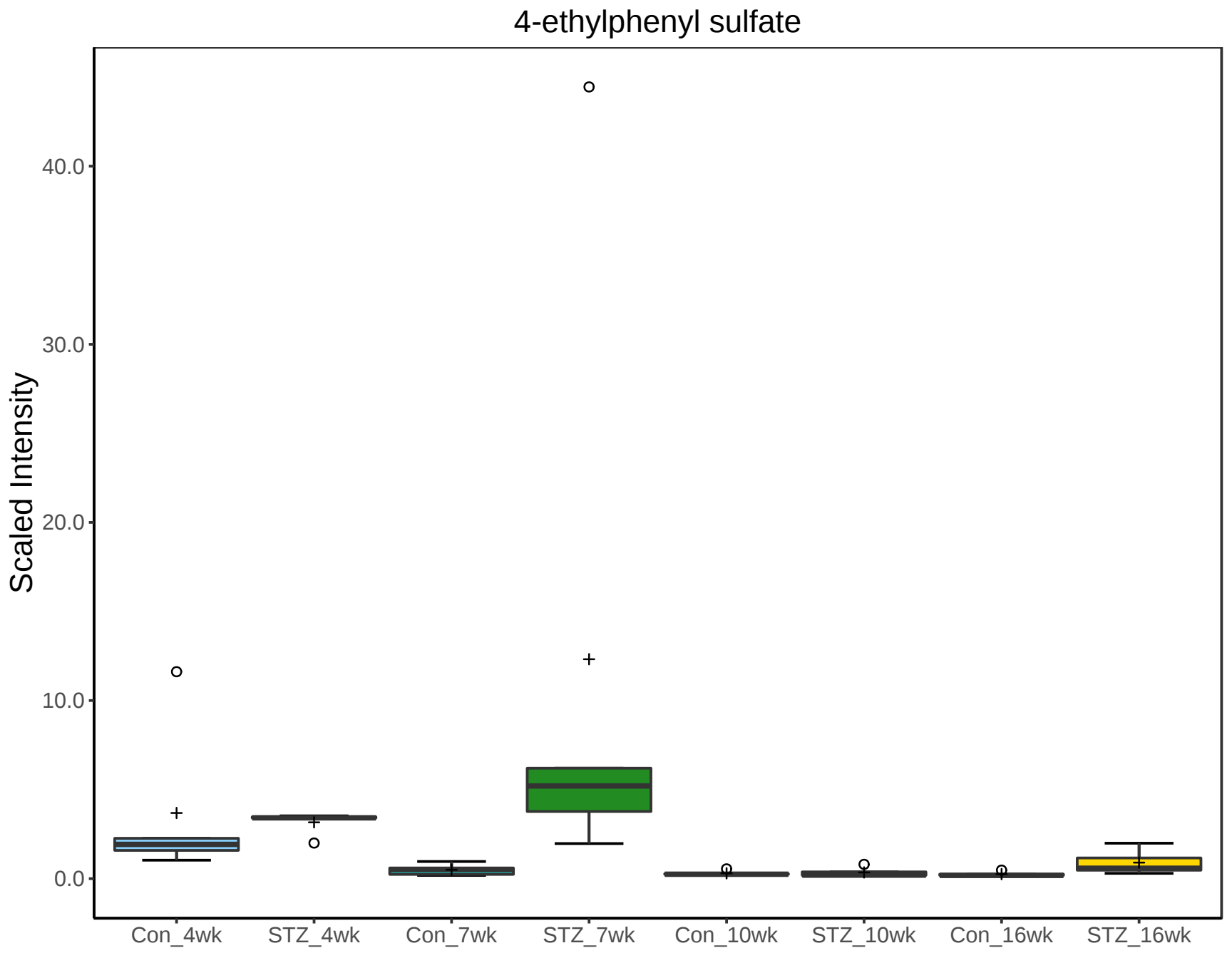

4-ethylcatechol sulfate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

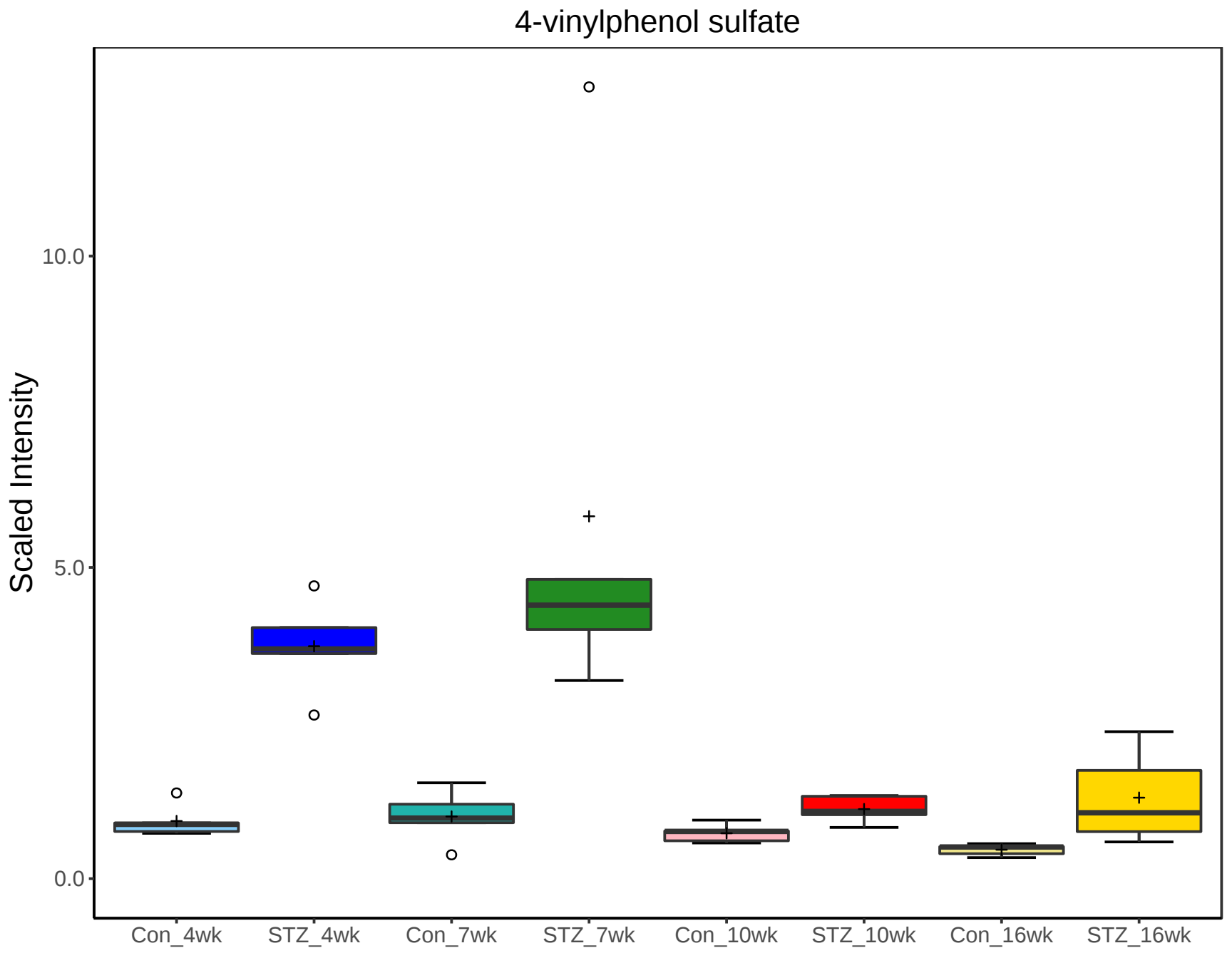

4-methylcatechol sulfate
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

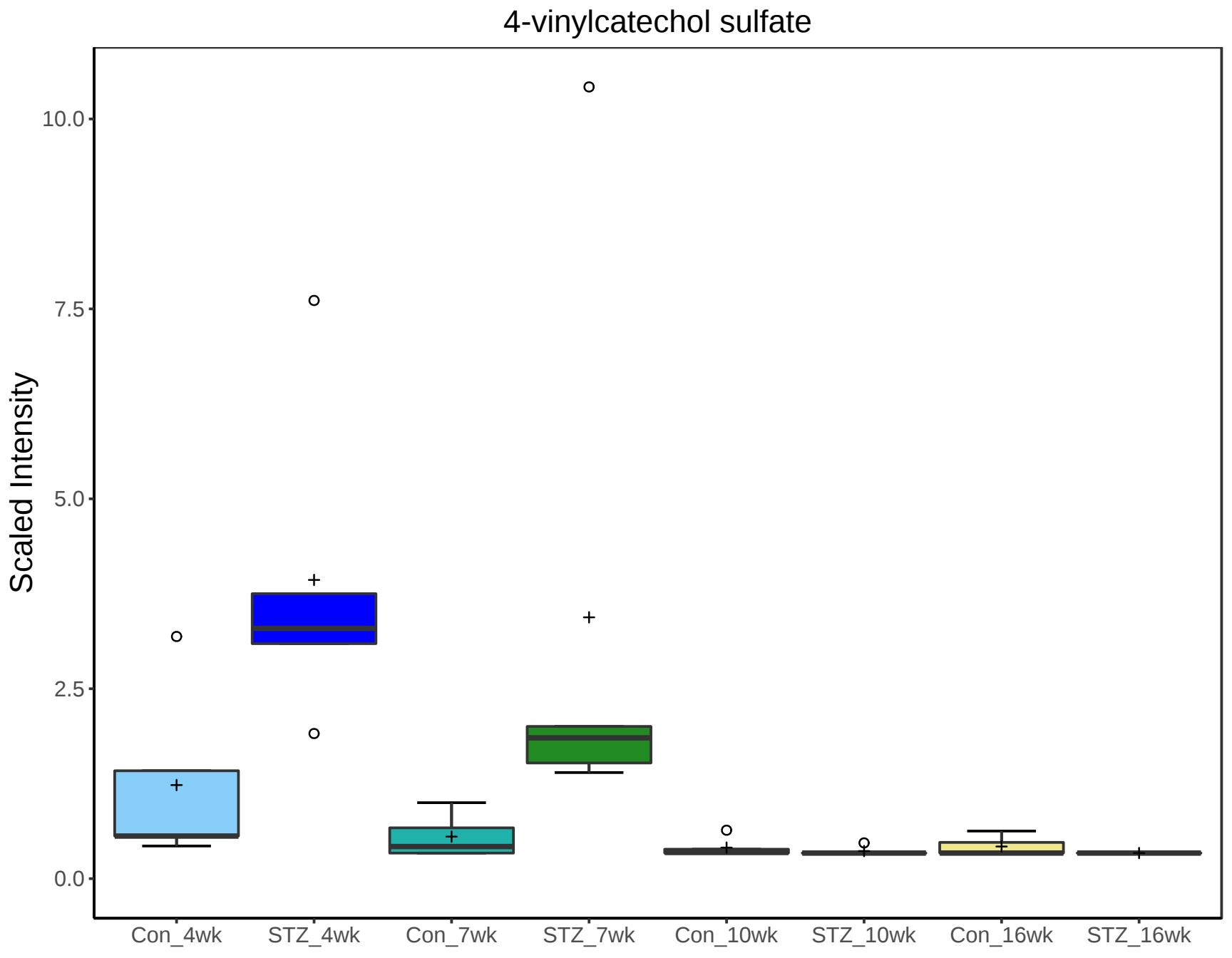

4-allylcatechol sulfate
Scaled Intensity
90.0
60.0
30.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

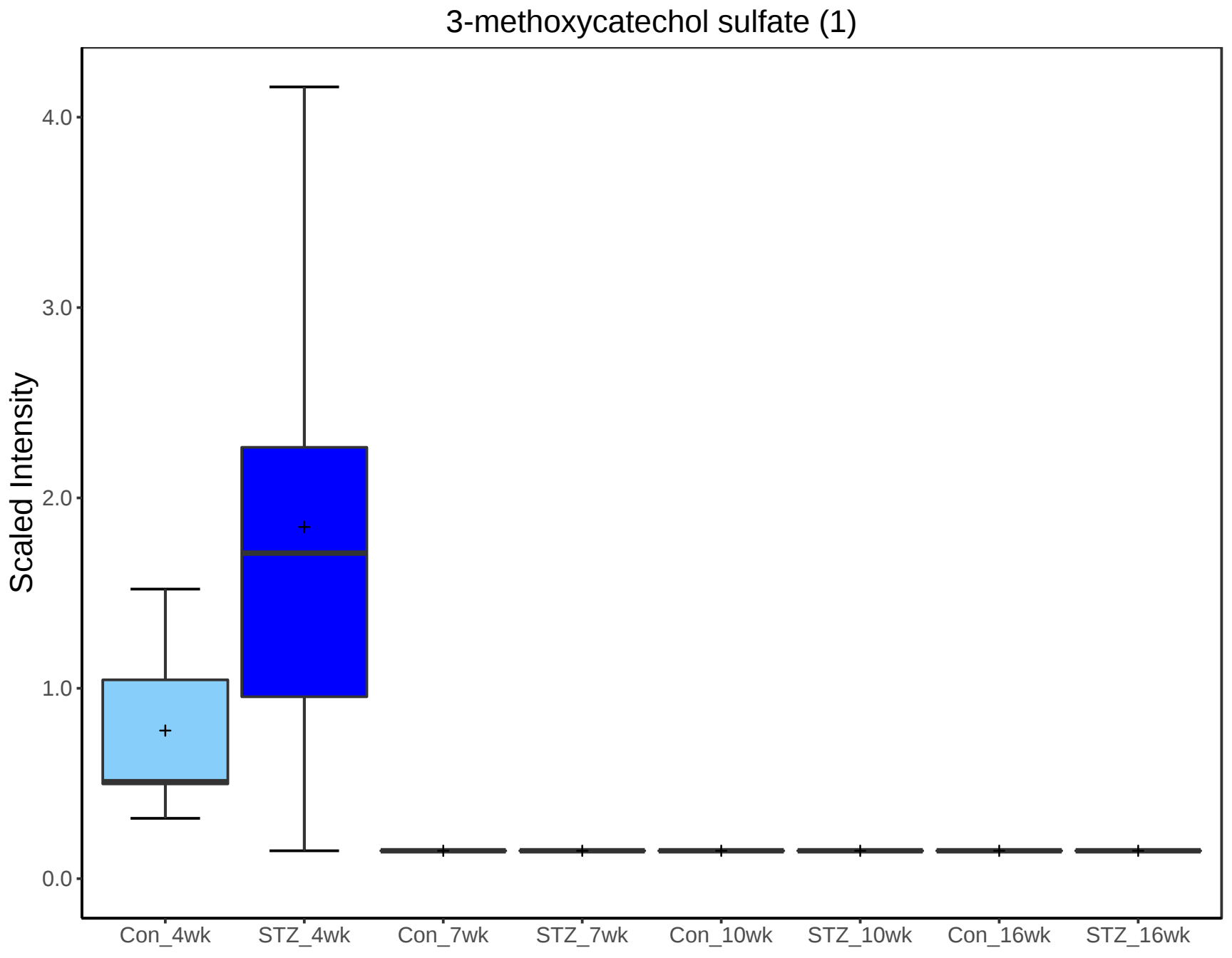

p-hydroxybenzaldehyde
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

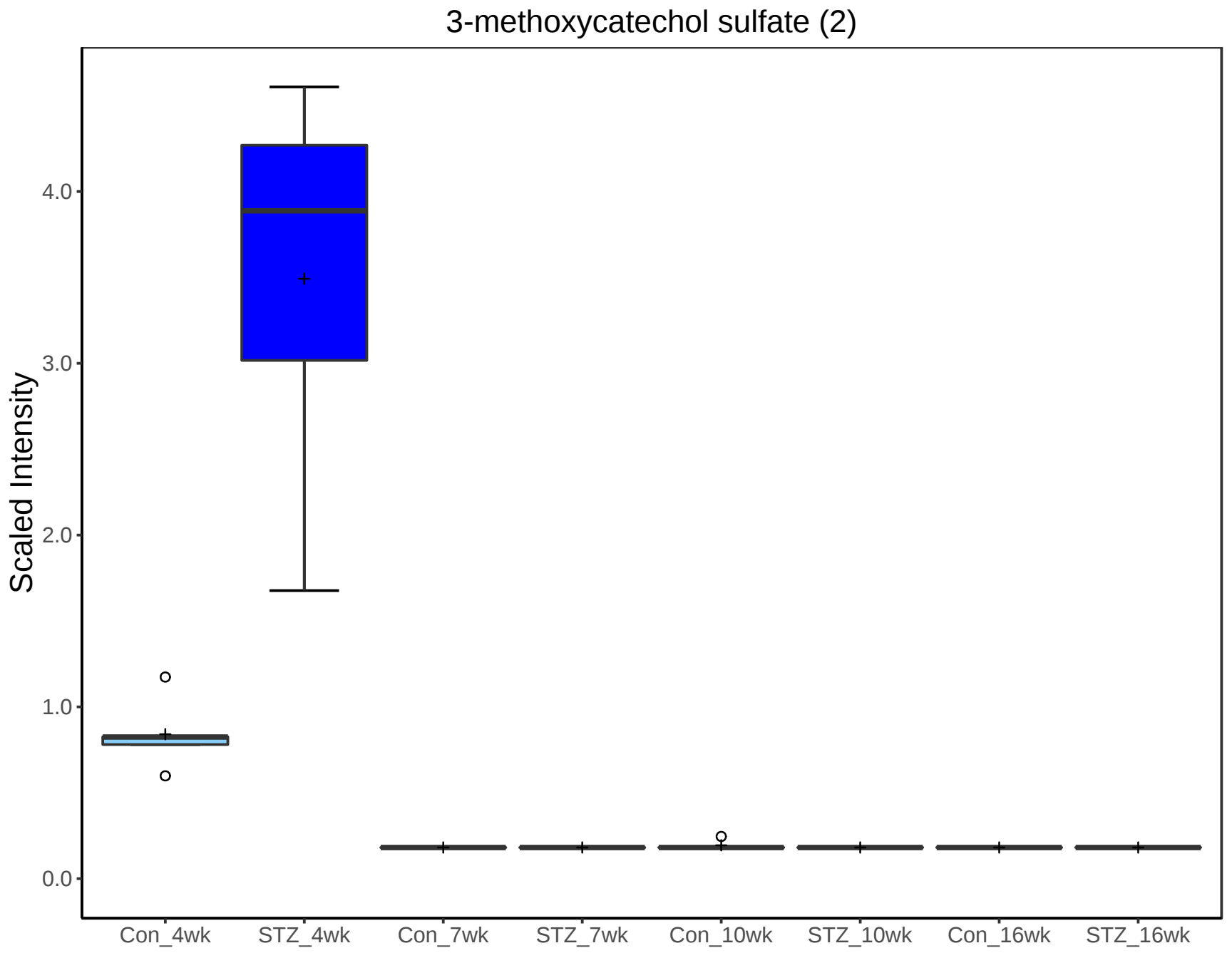

4-acetylphenyl sulfate
Scaled Intensity
12.0
8.0
4.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

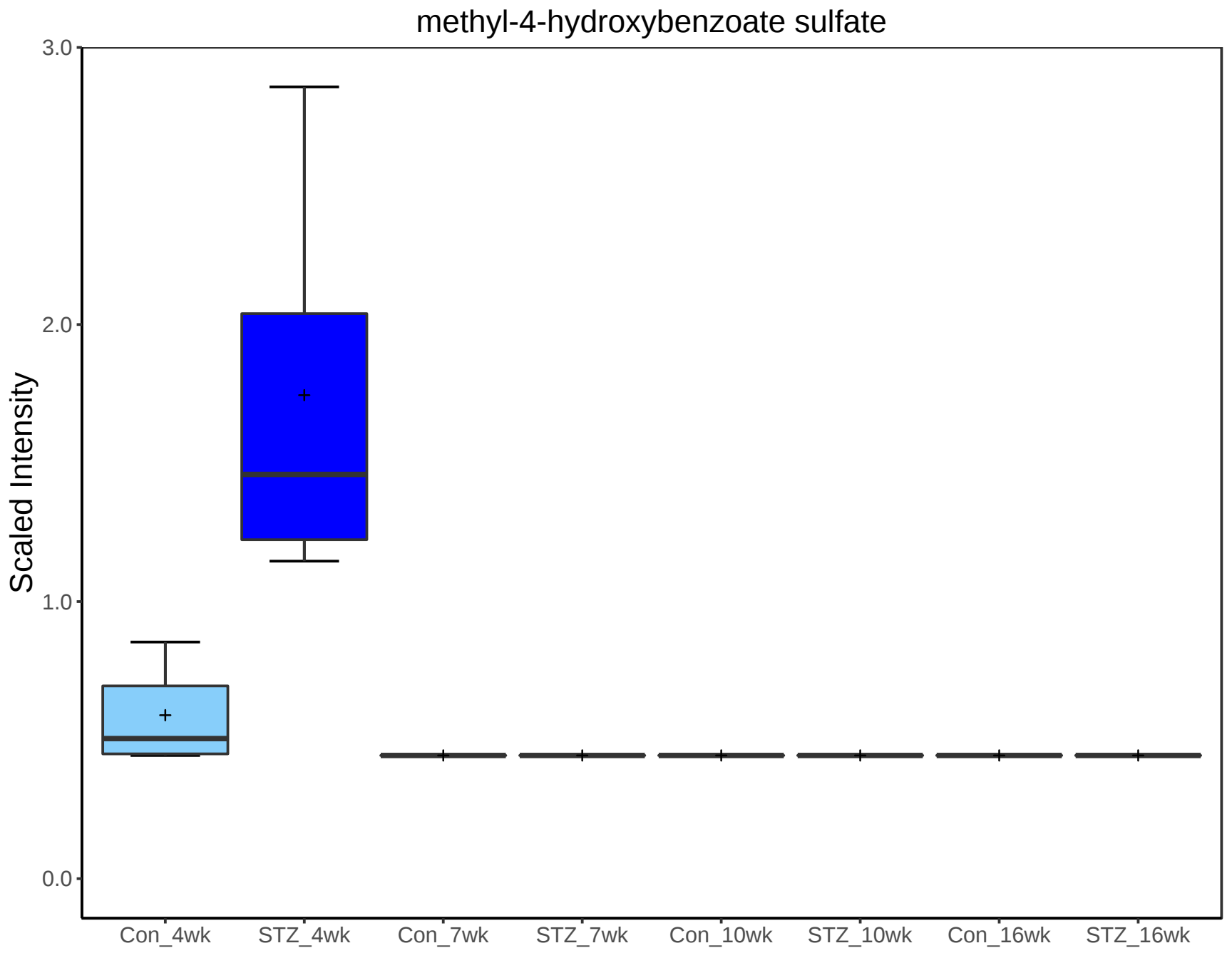

4-ethylphenyl sulfate
Scaled Intensity
40.0
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

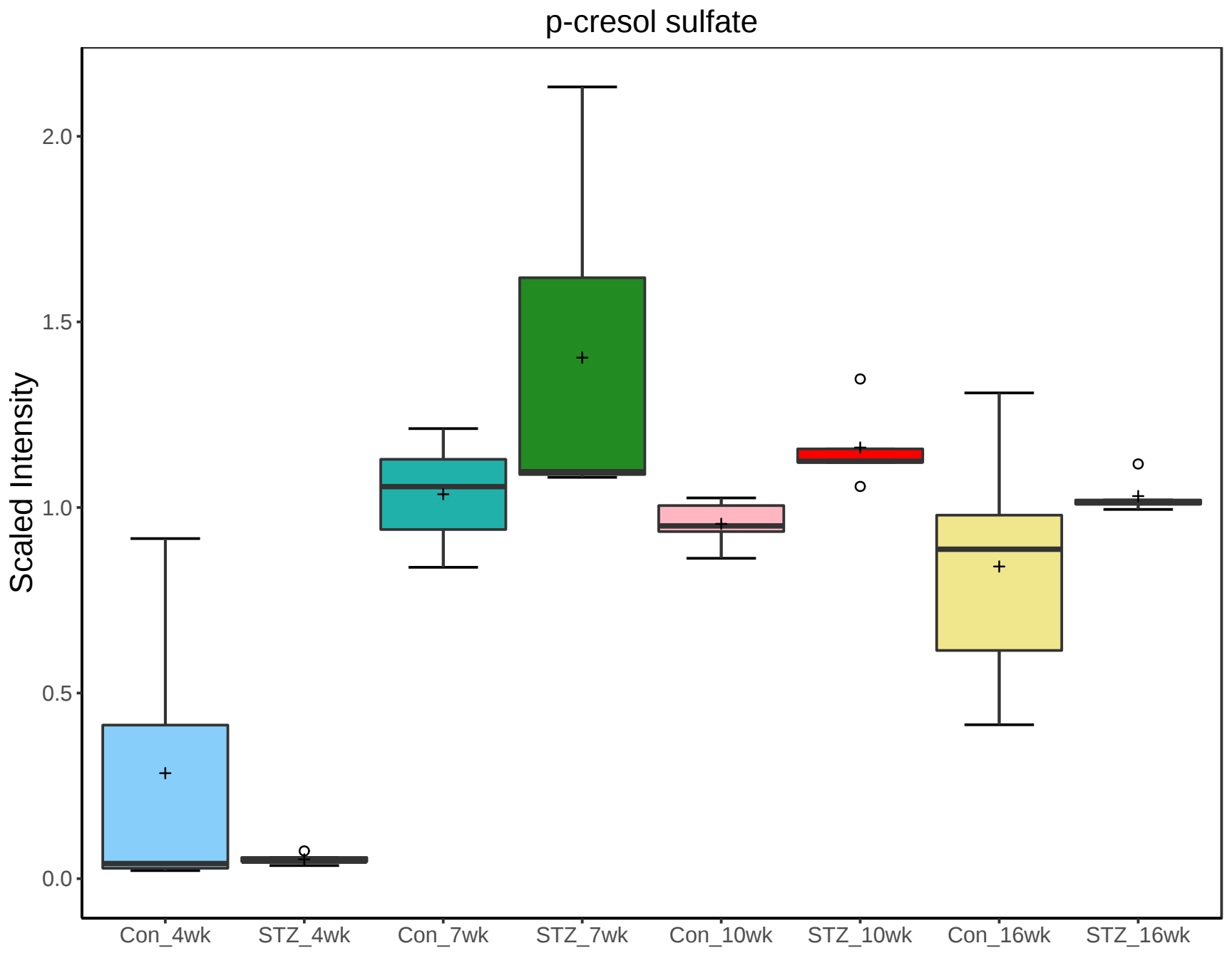

4-vinylphenol sulfate
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

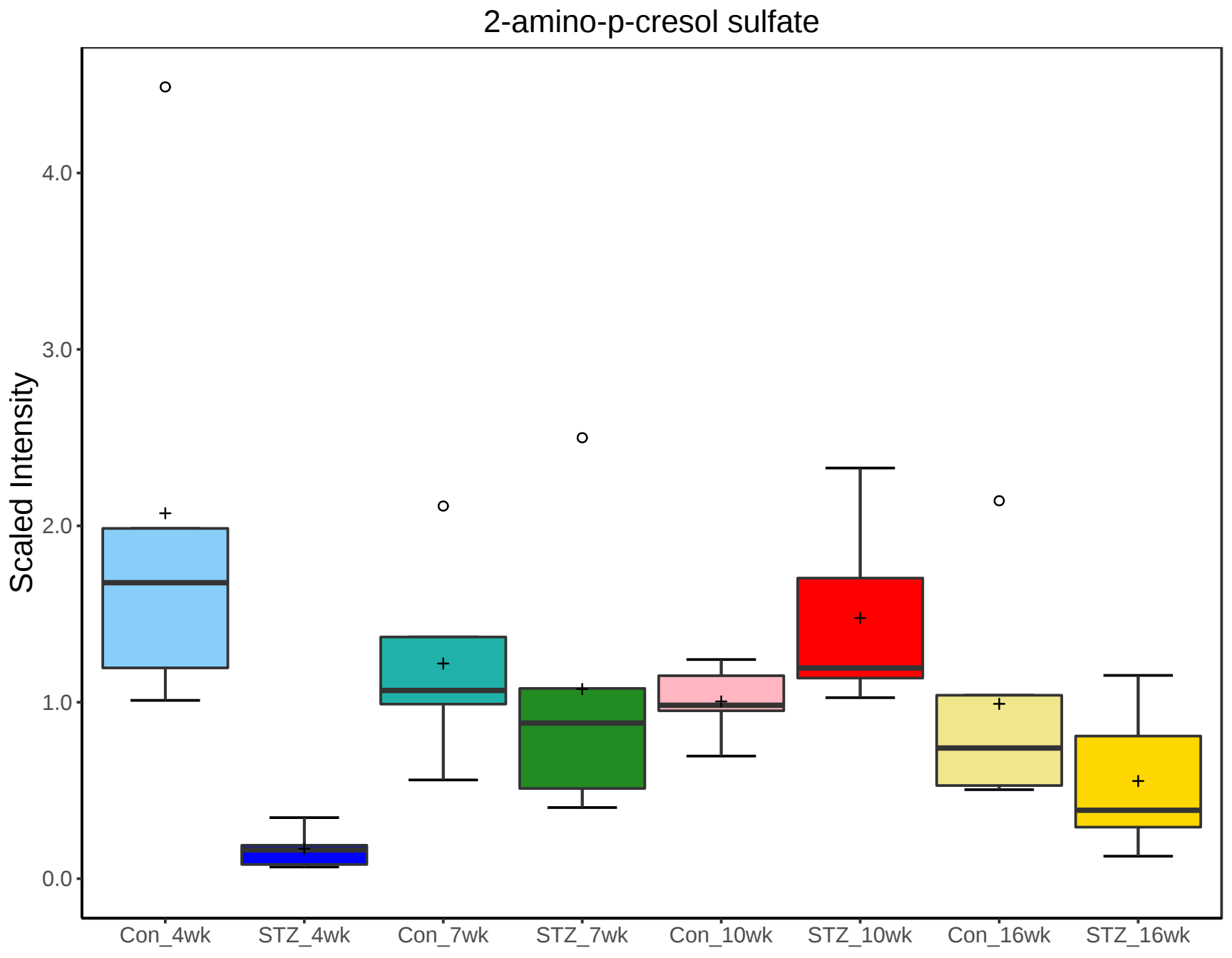

4-vinylcatechol sulfate
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

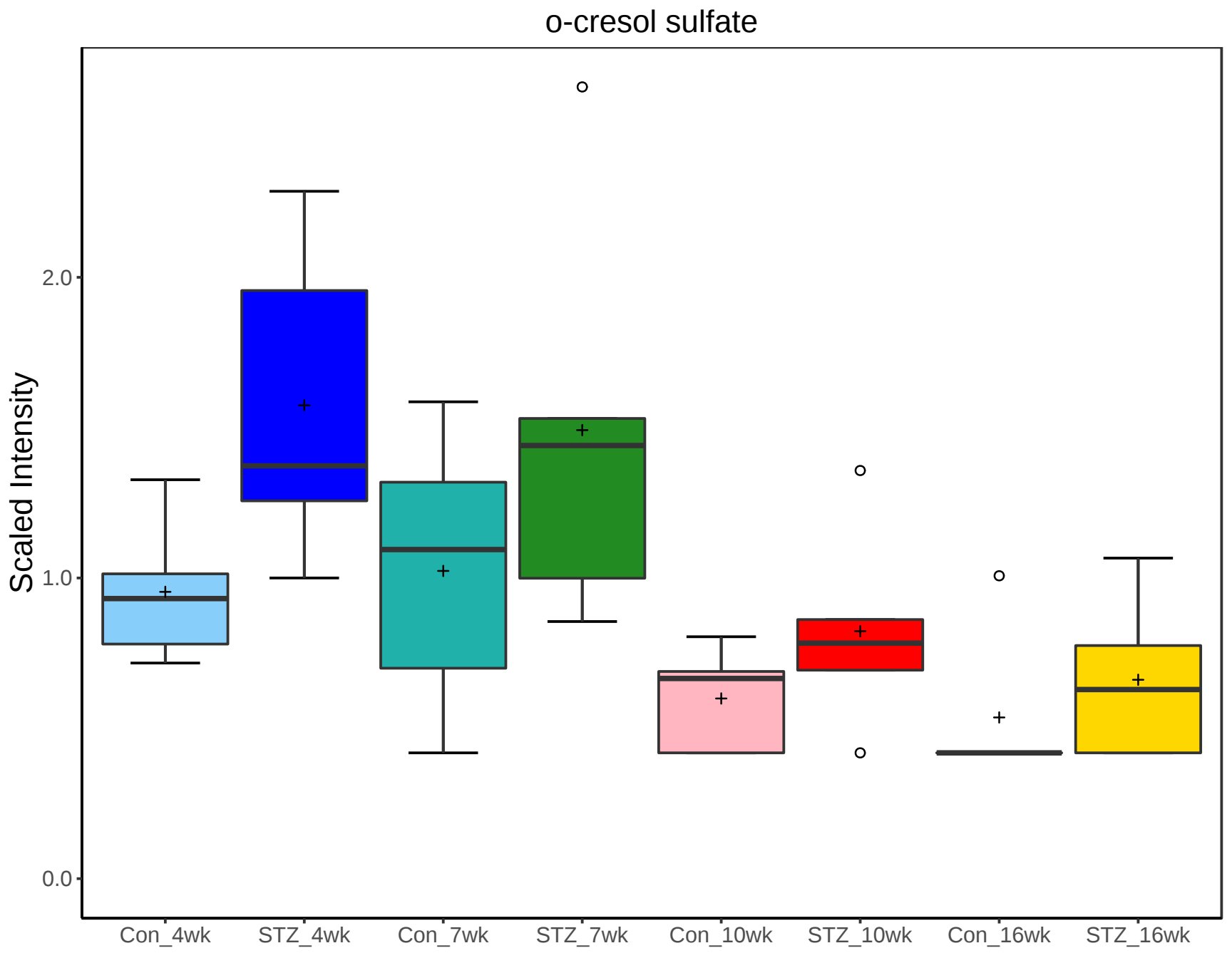

3-methoxycatechol sulfate (1)
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

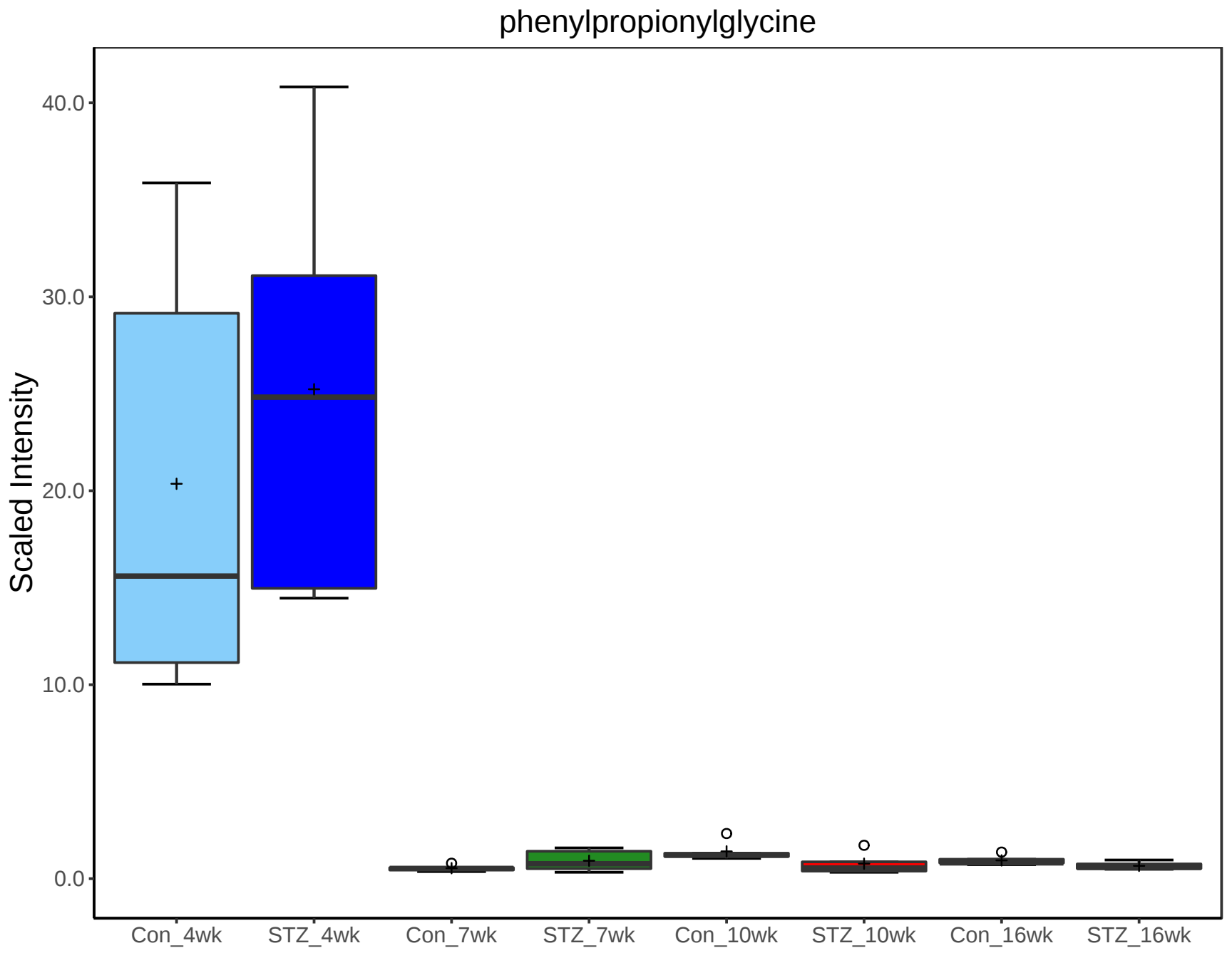

3-methoxycatechol sulfate (2)
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

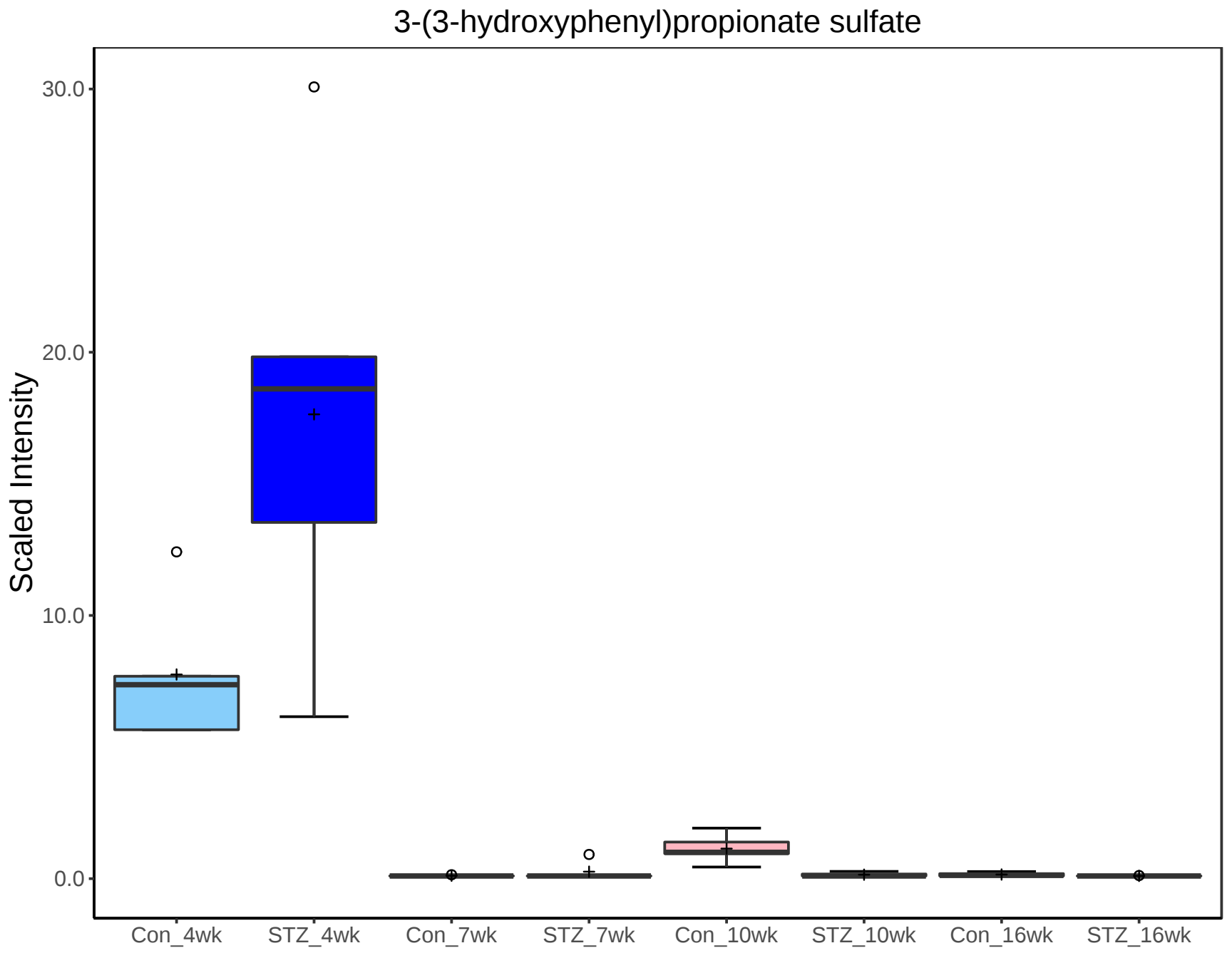

methyl-4-hydroxybenzoate sulfate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

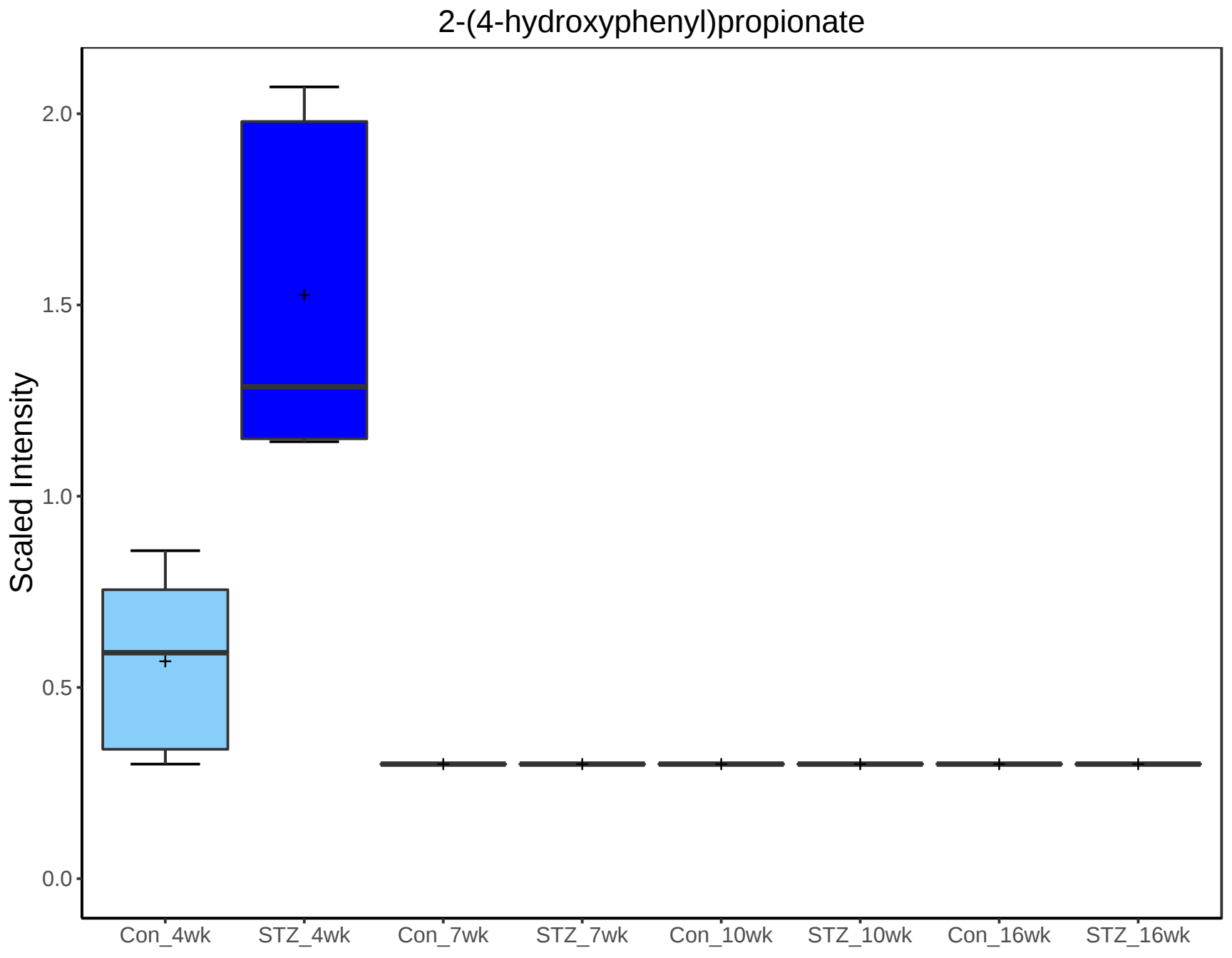

p-cresol sulfate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

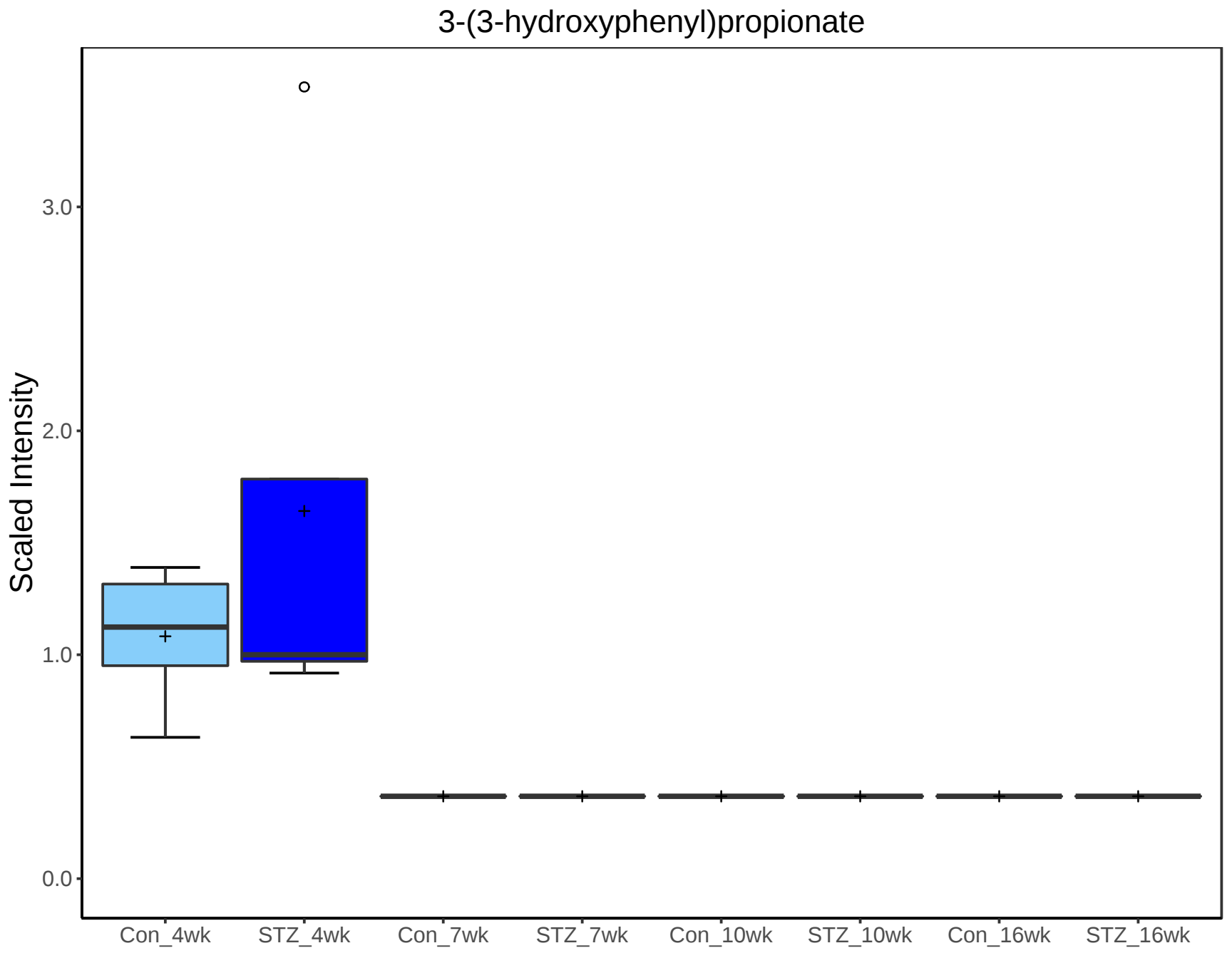

2-amino-p-cresol sulfate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

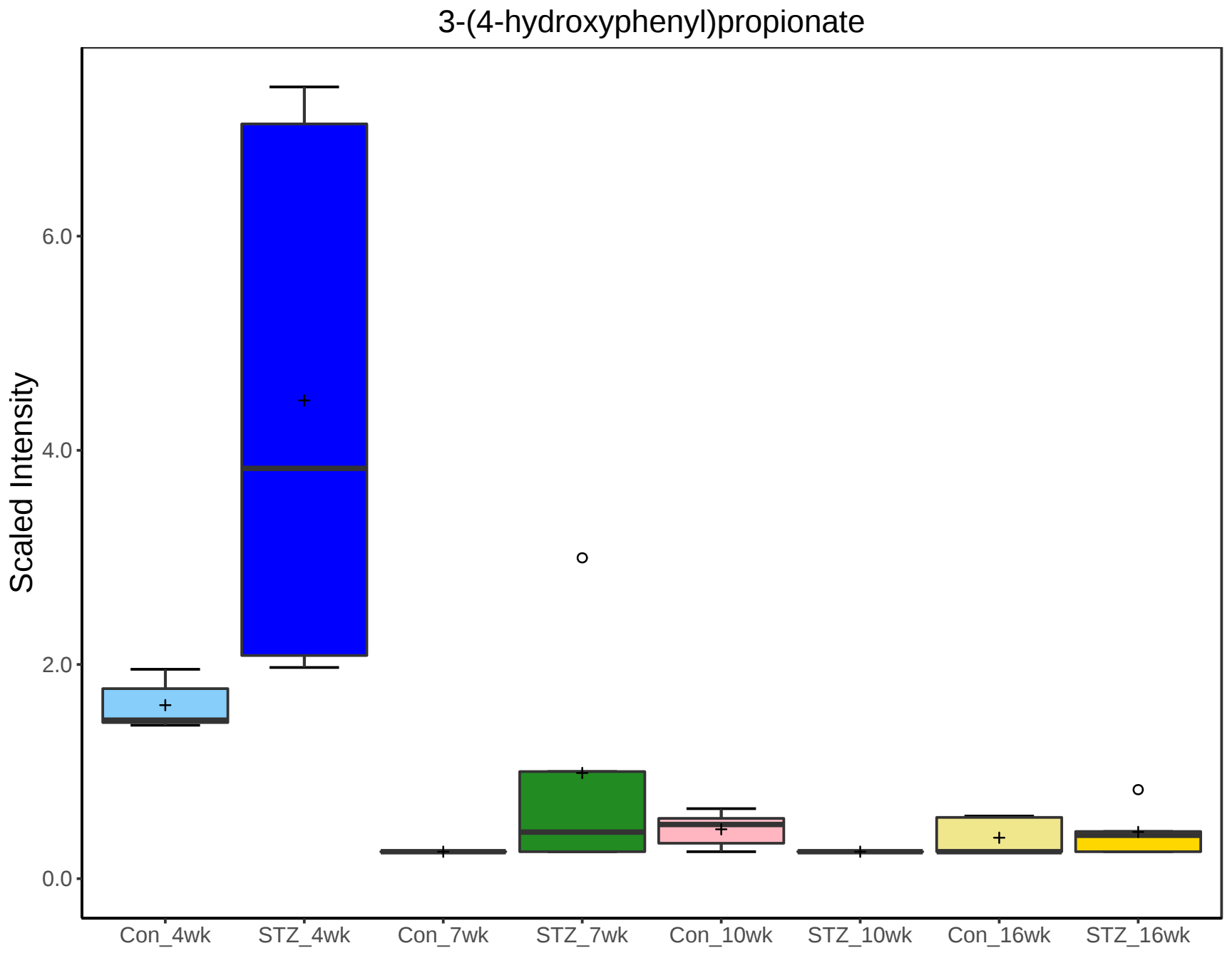

o-cresol sulfate
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

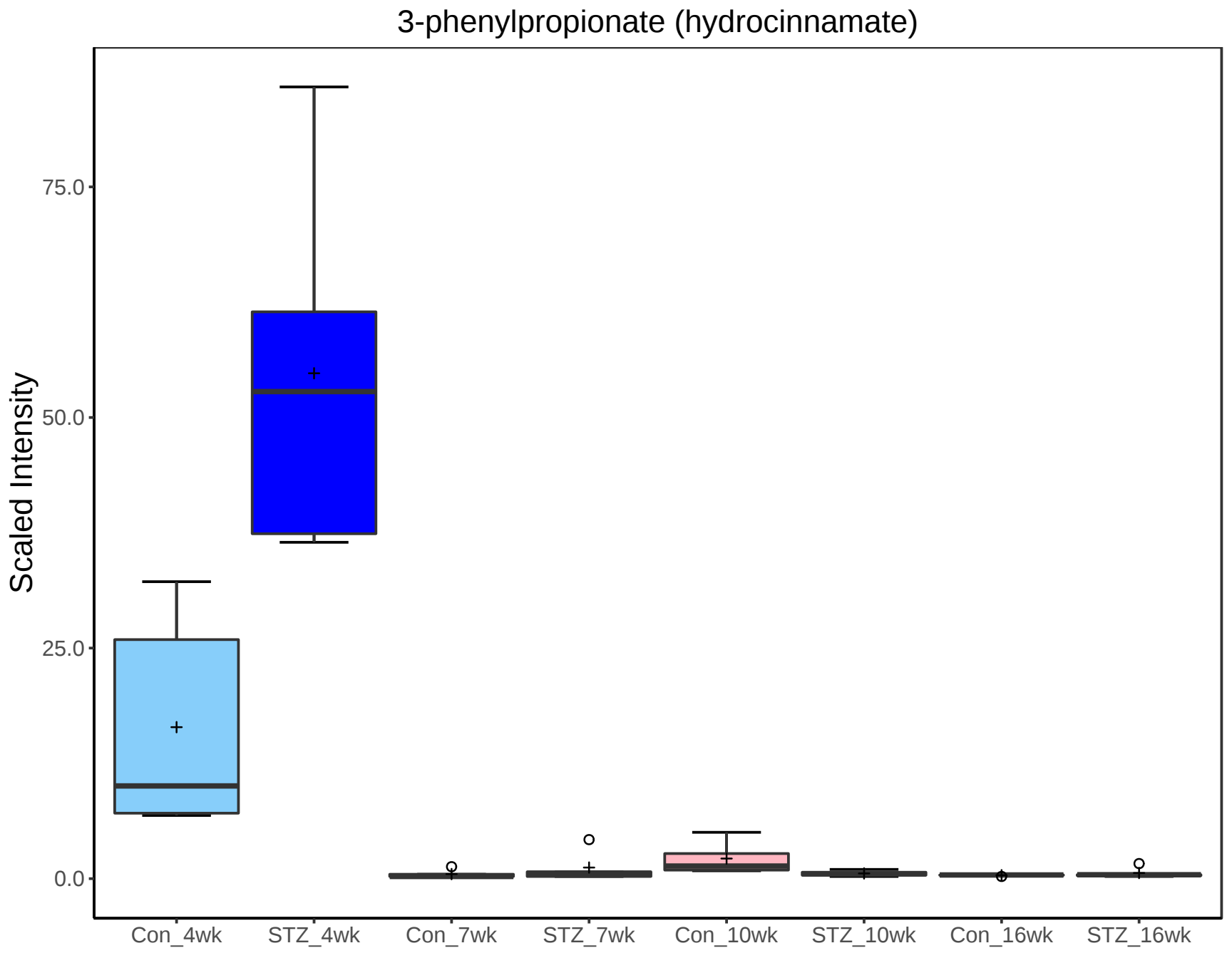

phenylpropionylglycine
Scaled Intensity
40.0
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

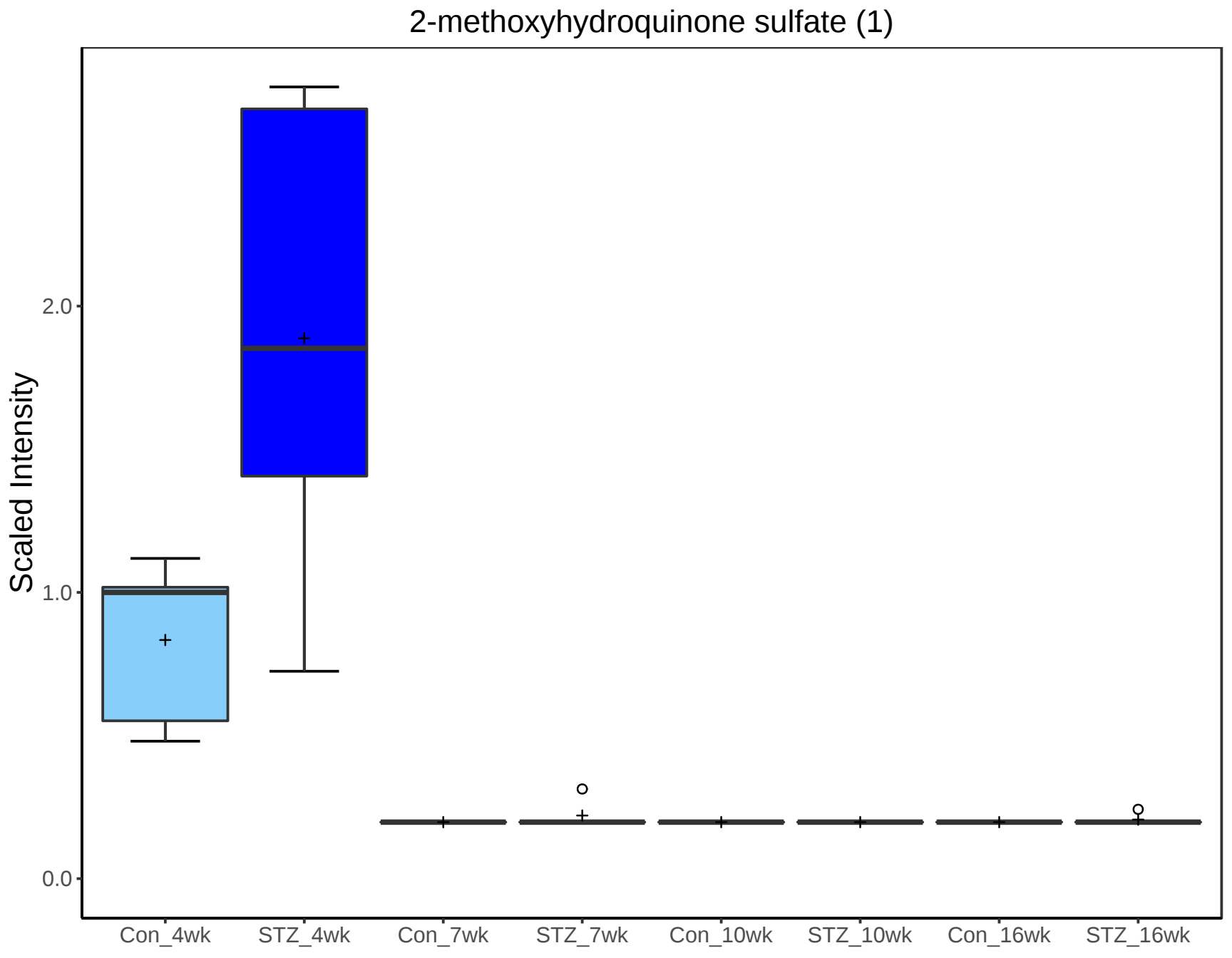

3-(3-hydroxyphenyl)propionate sulfate
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

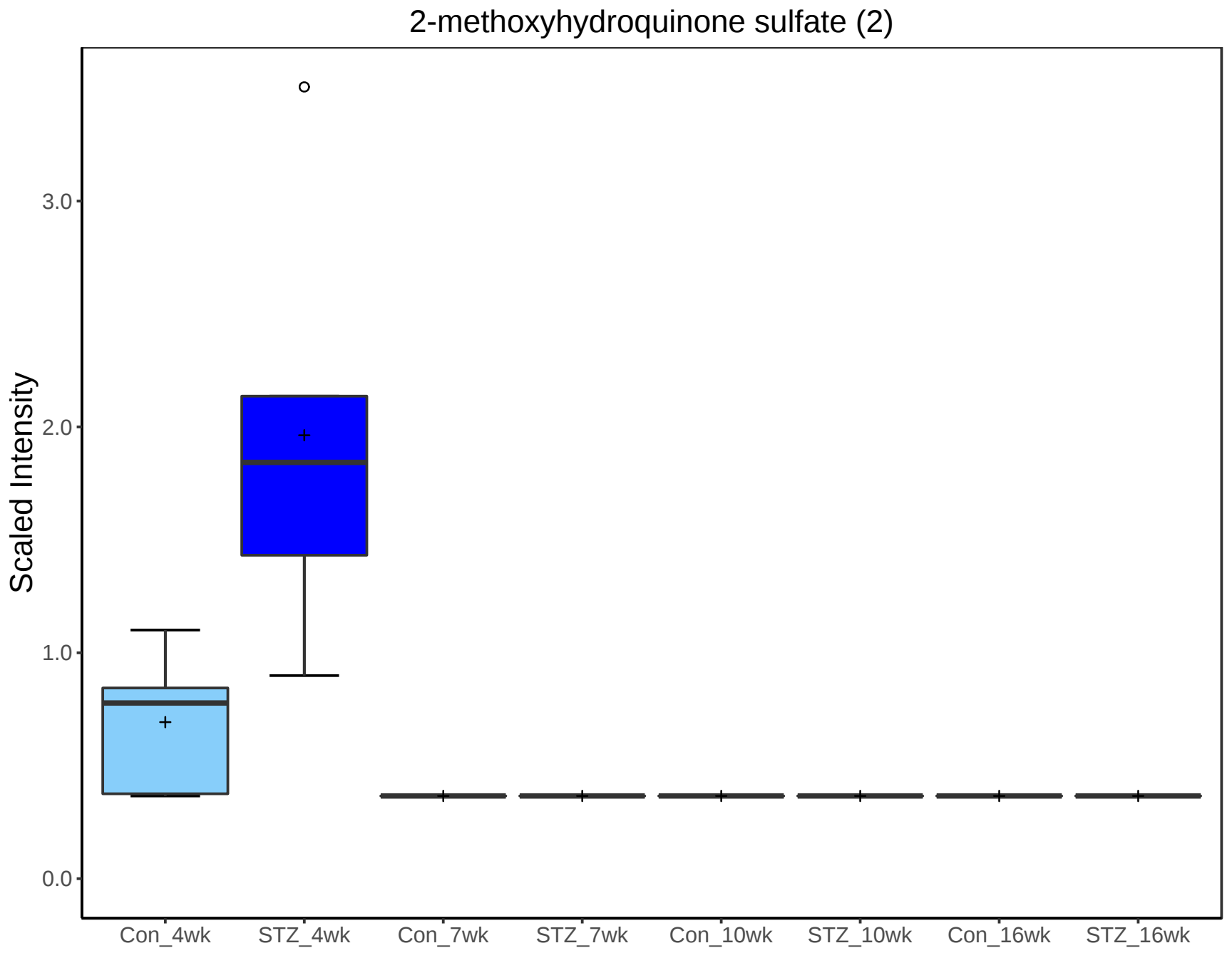

2-(4-hydroxyphenyl)propionate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

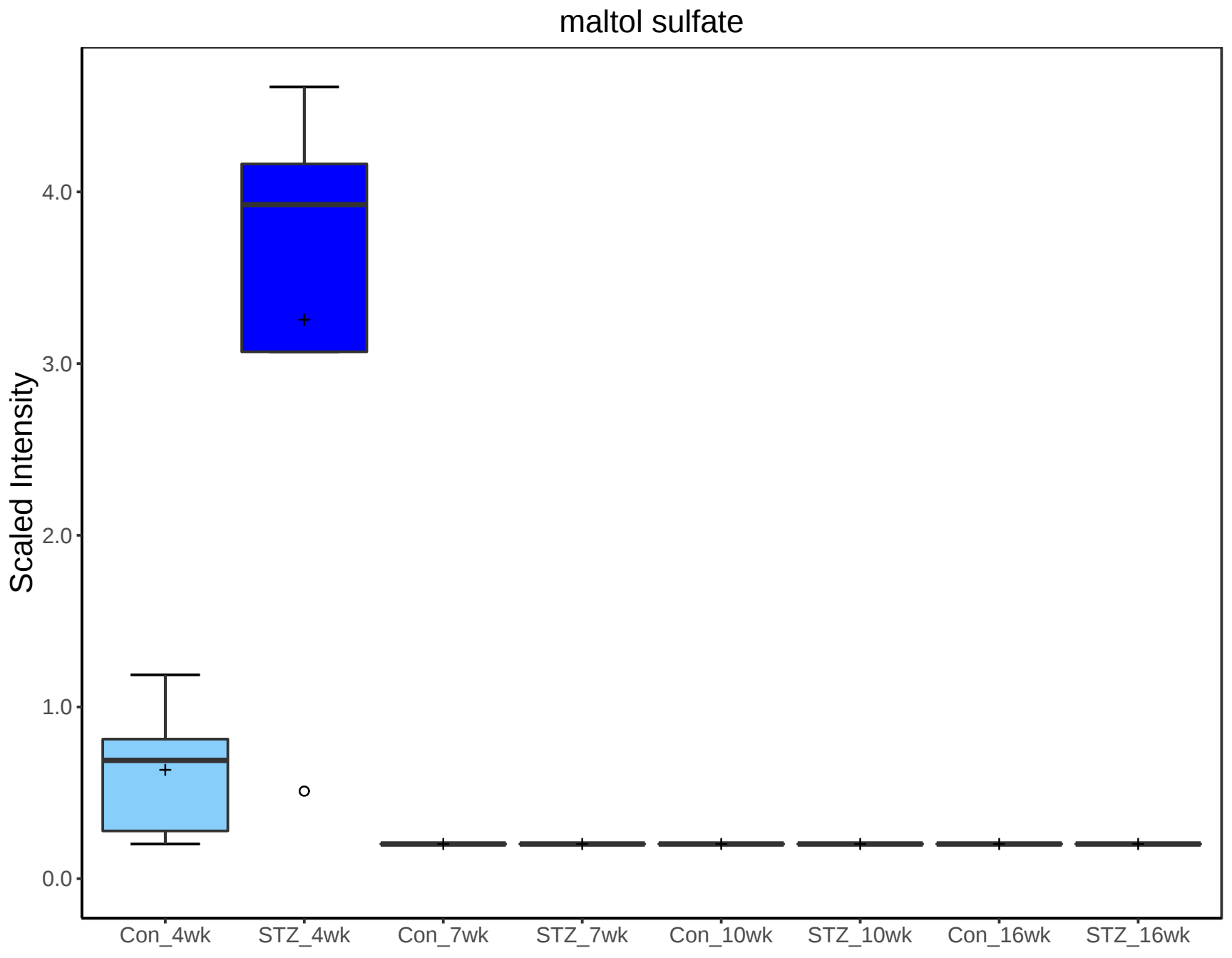

3-(3-hydroxyphenyl)propionate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

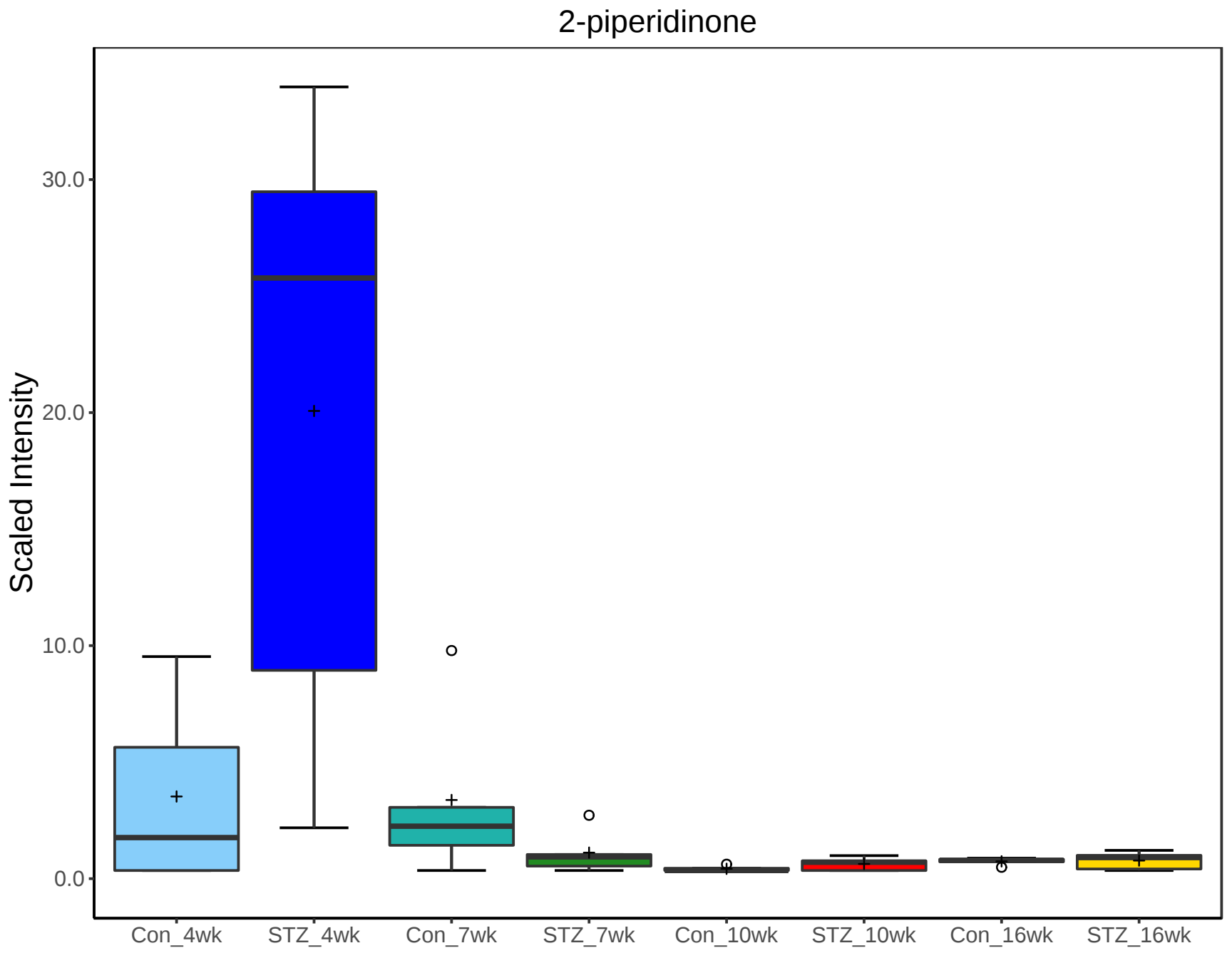

3-(4-hydroxyphenyl)propionate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

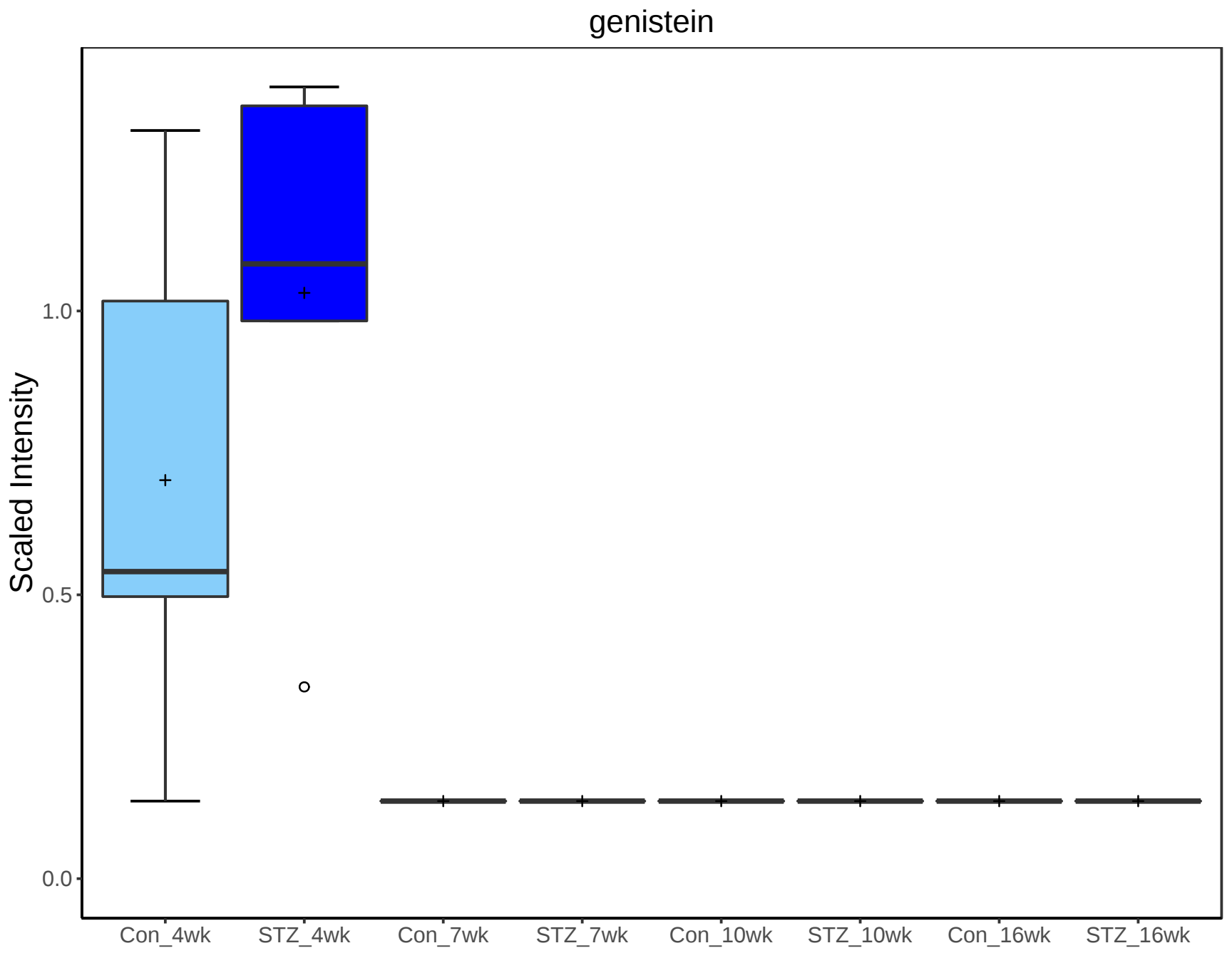

3-phenylpropionate (hydrocinnamate)
Scaled Intensity
75.0
50.0
25.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

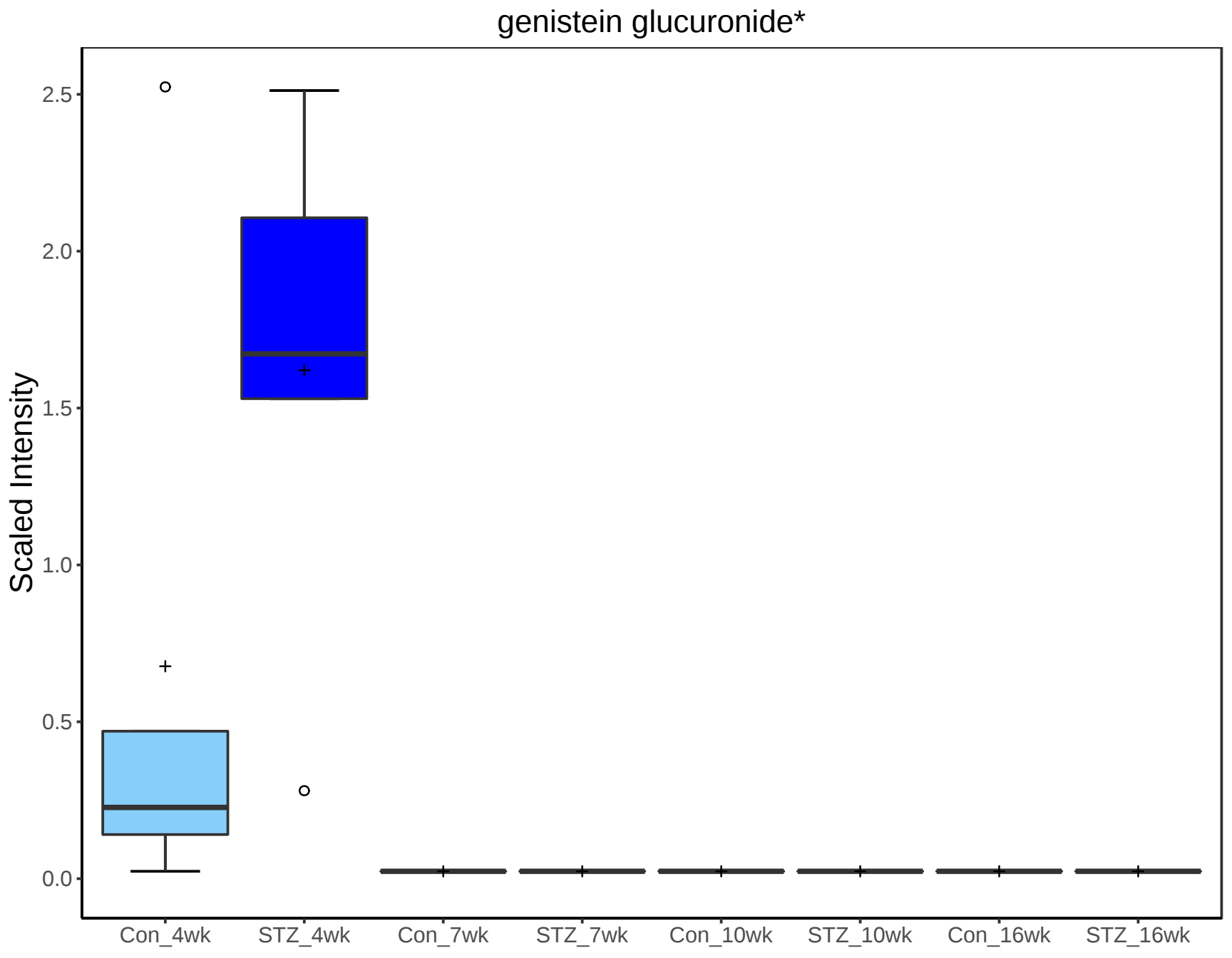

2-methoxyhydroquinone sulfate (1)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

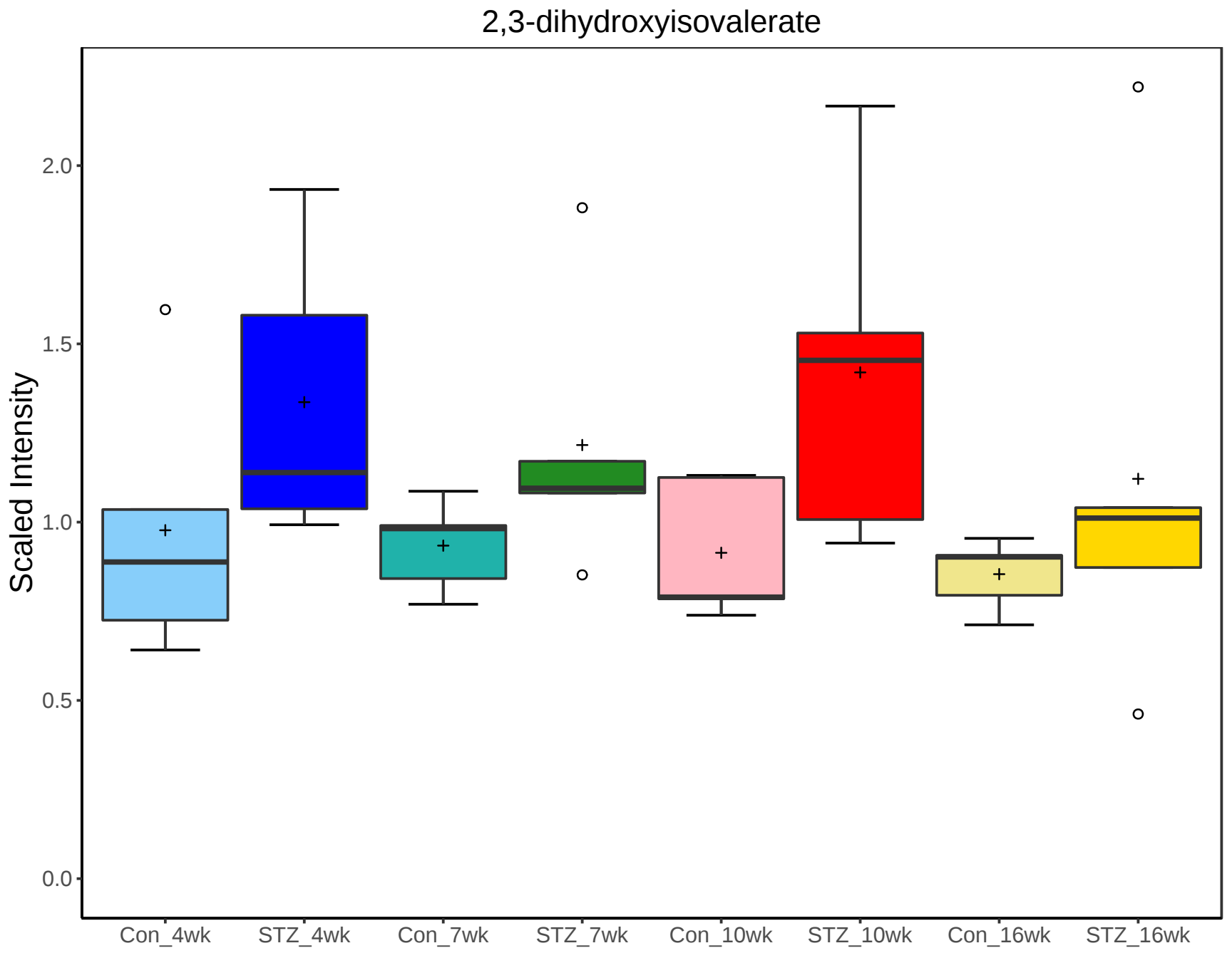

2-methoxyhydroquinone sulfate (2)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

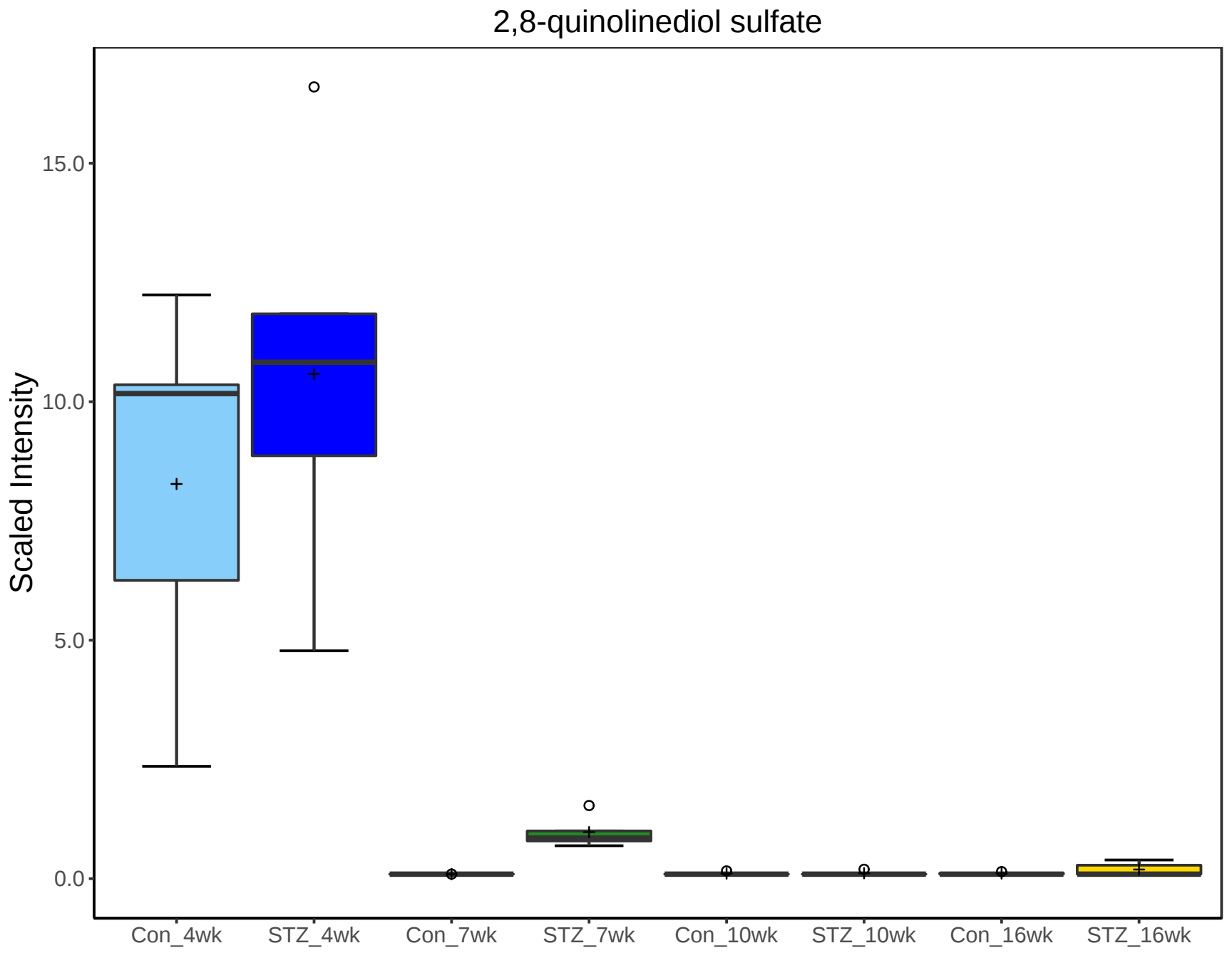

maltol sulfate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

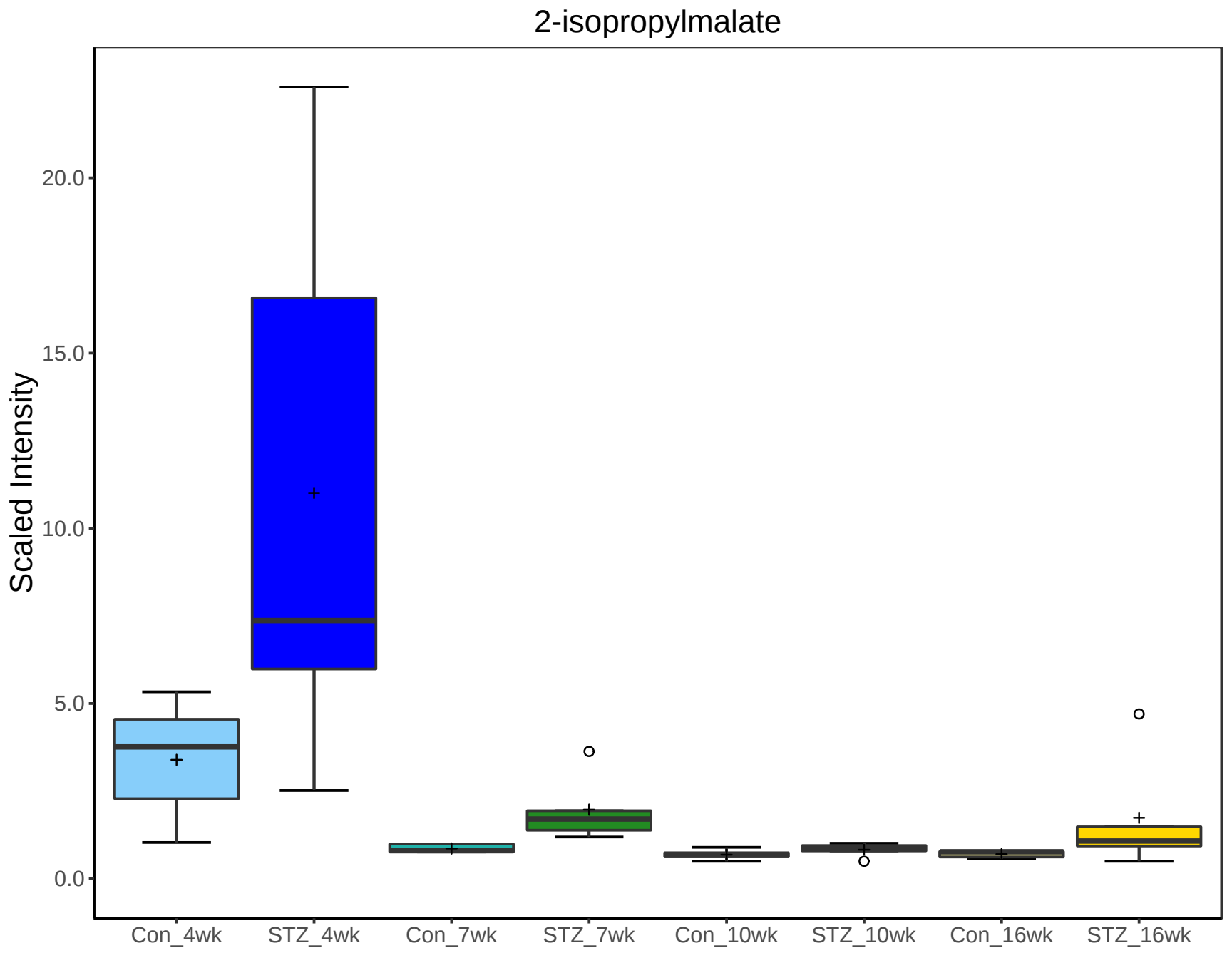

2-piperidinone
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

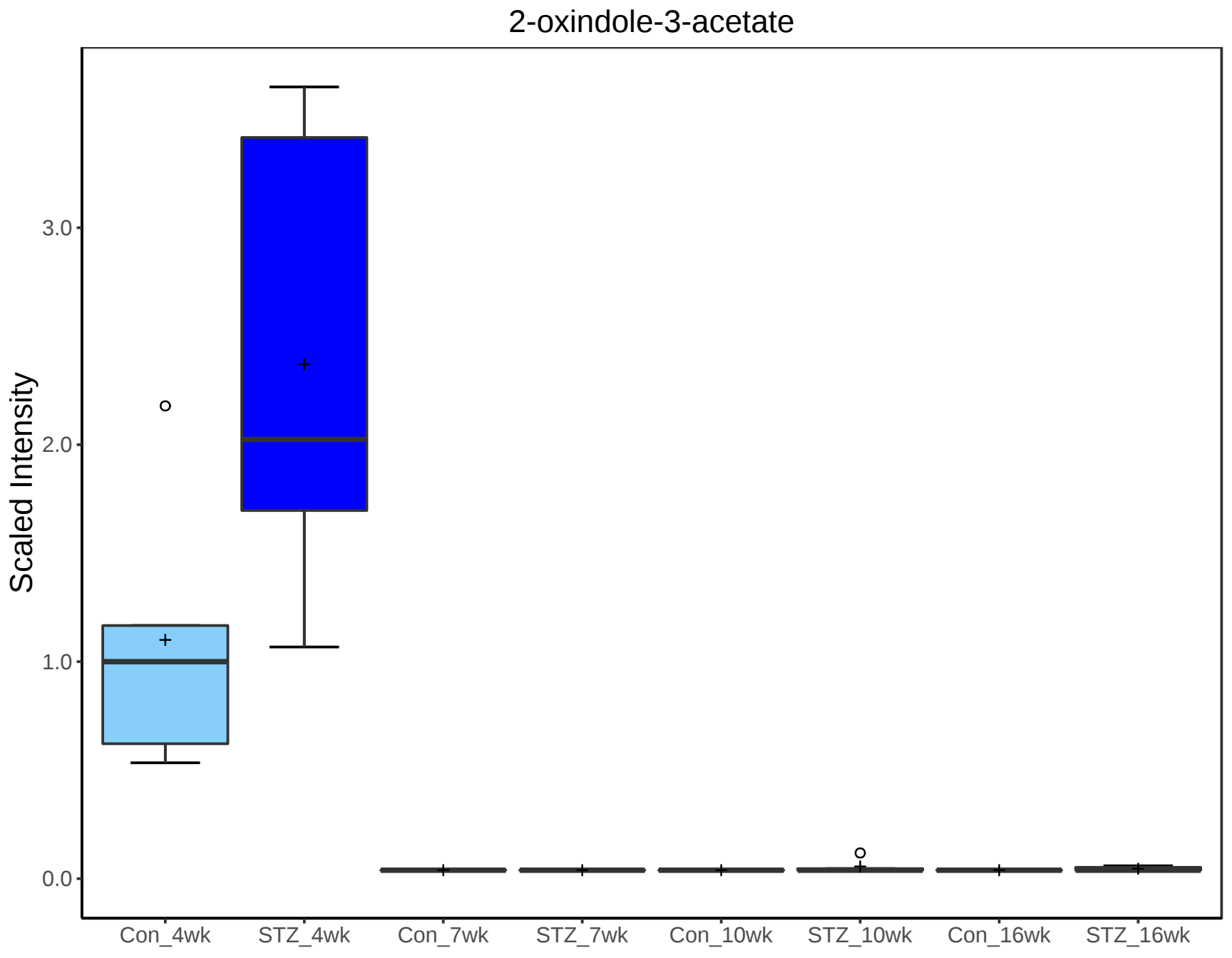

genistein
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

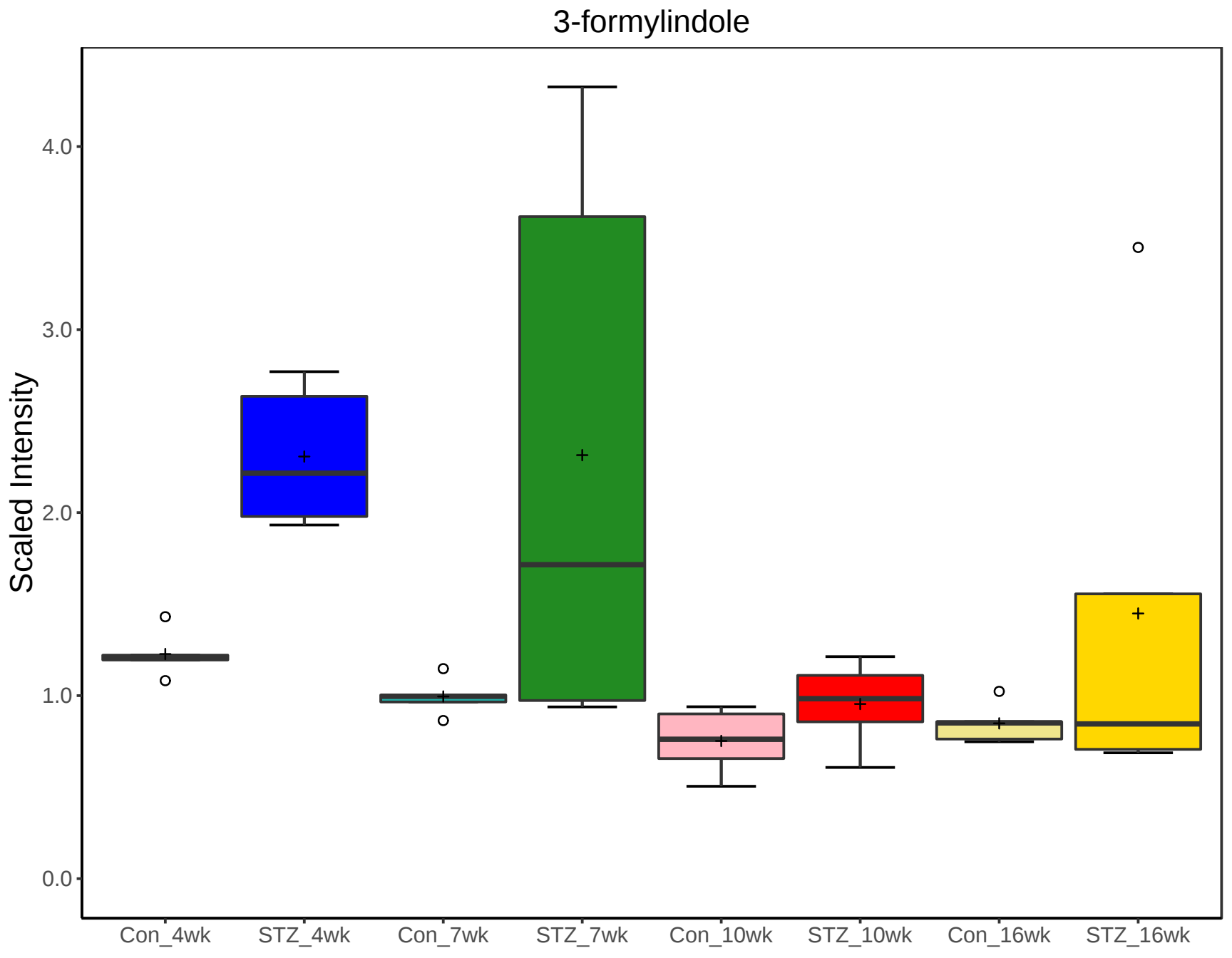

genistein glucuronide*
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

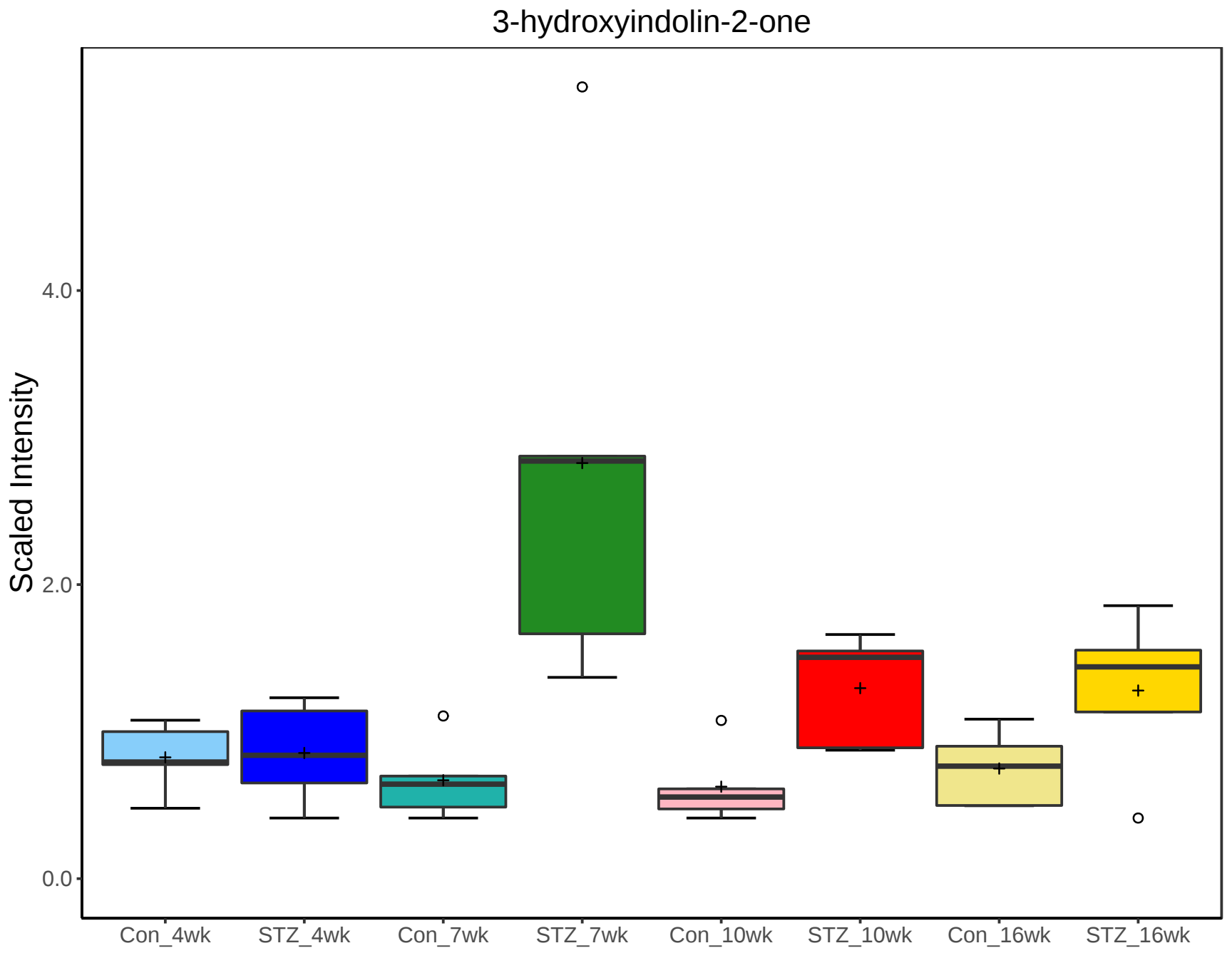

2,3-dihydroxyisovalerate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

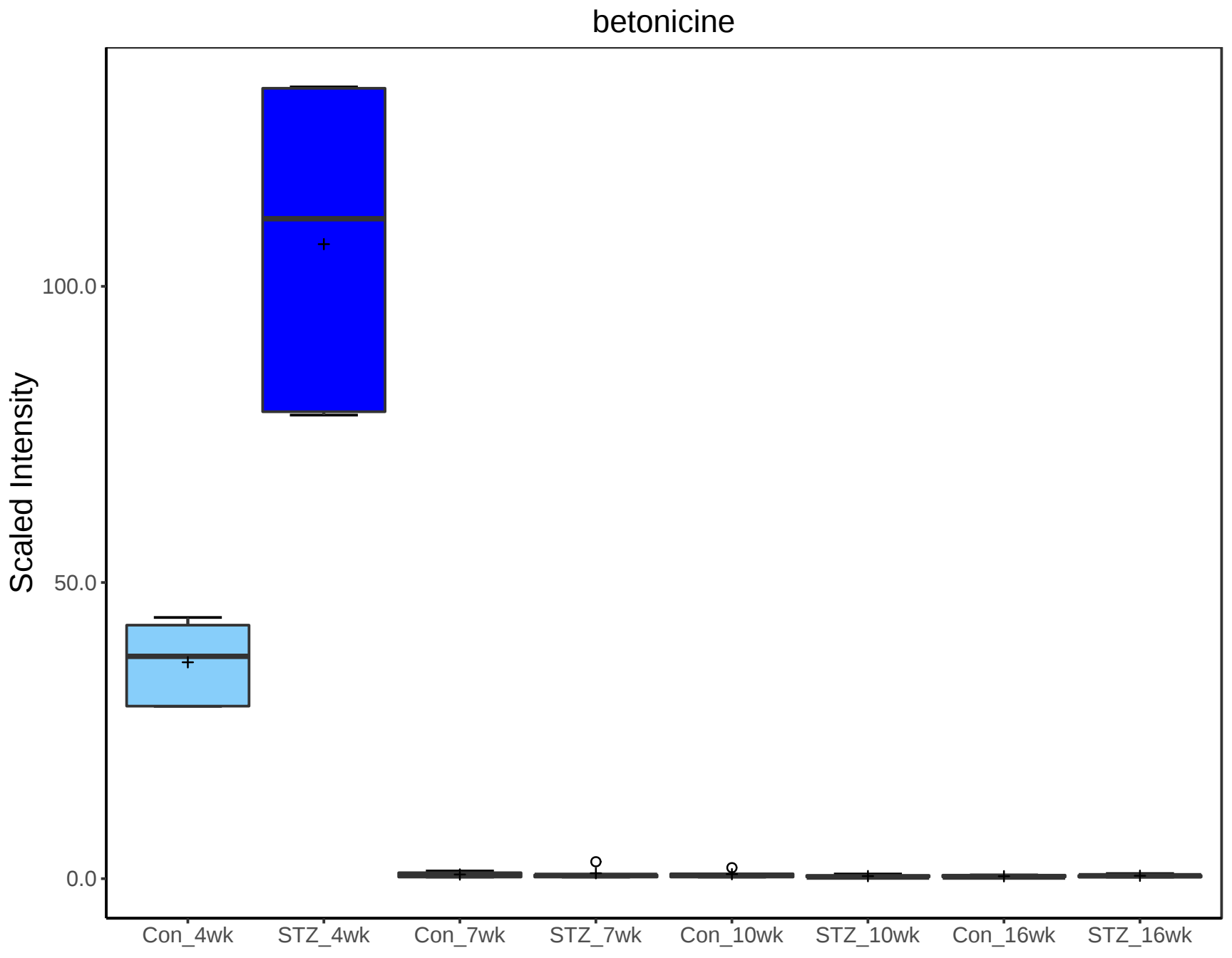

2,8-quinolinediol sulfate
Scaled Intensity
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

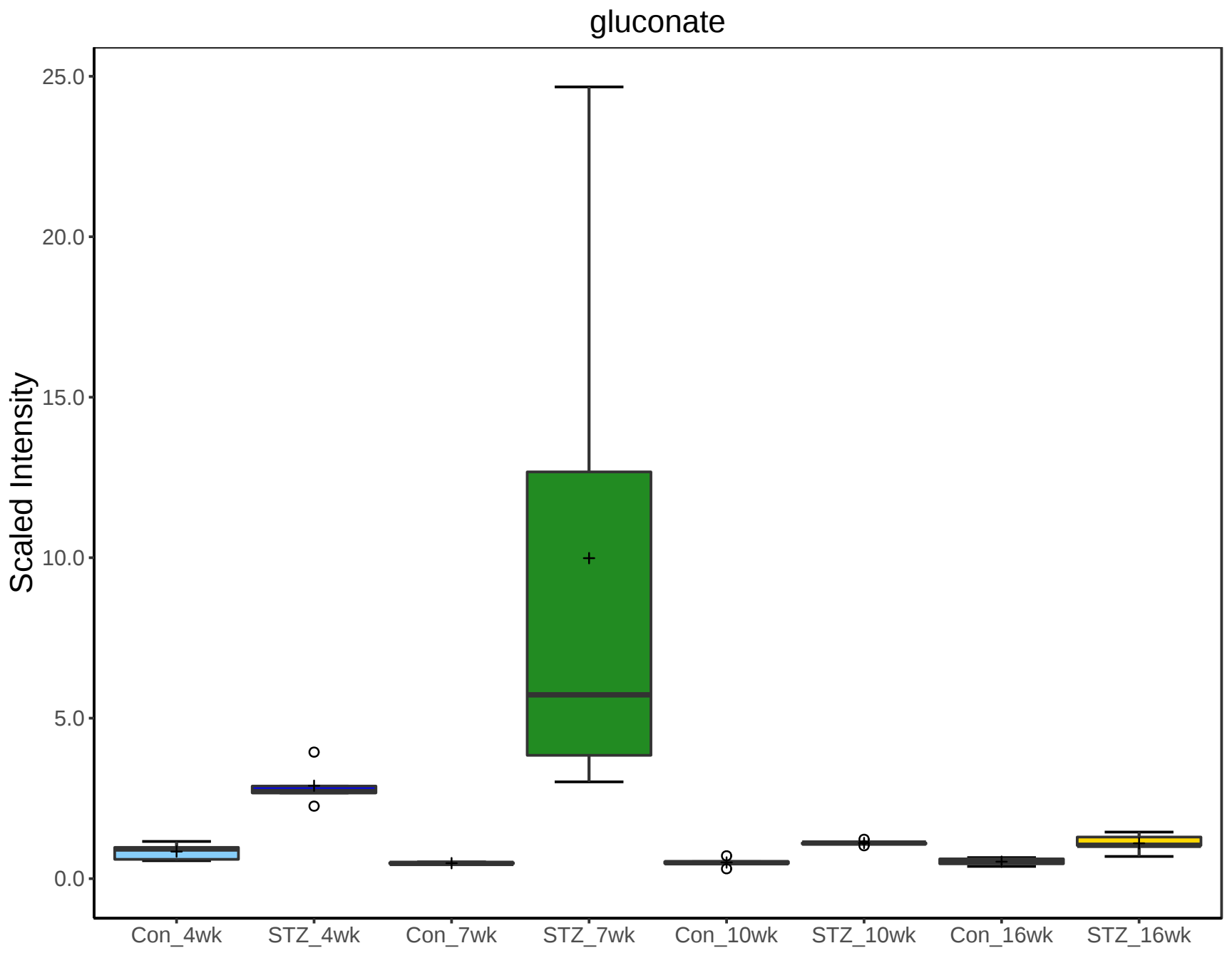

2-isopropylmalate
Scaled Intensity
20.0
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

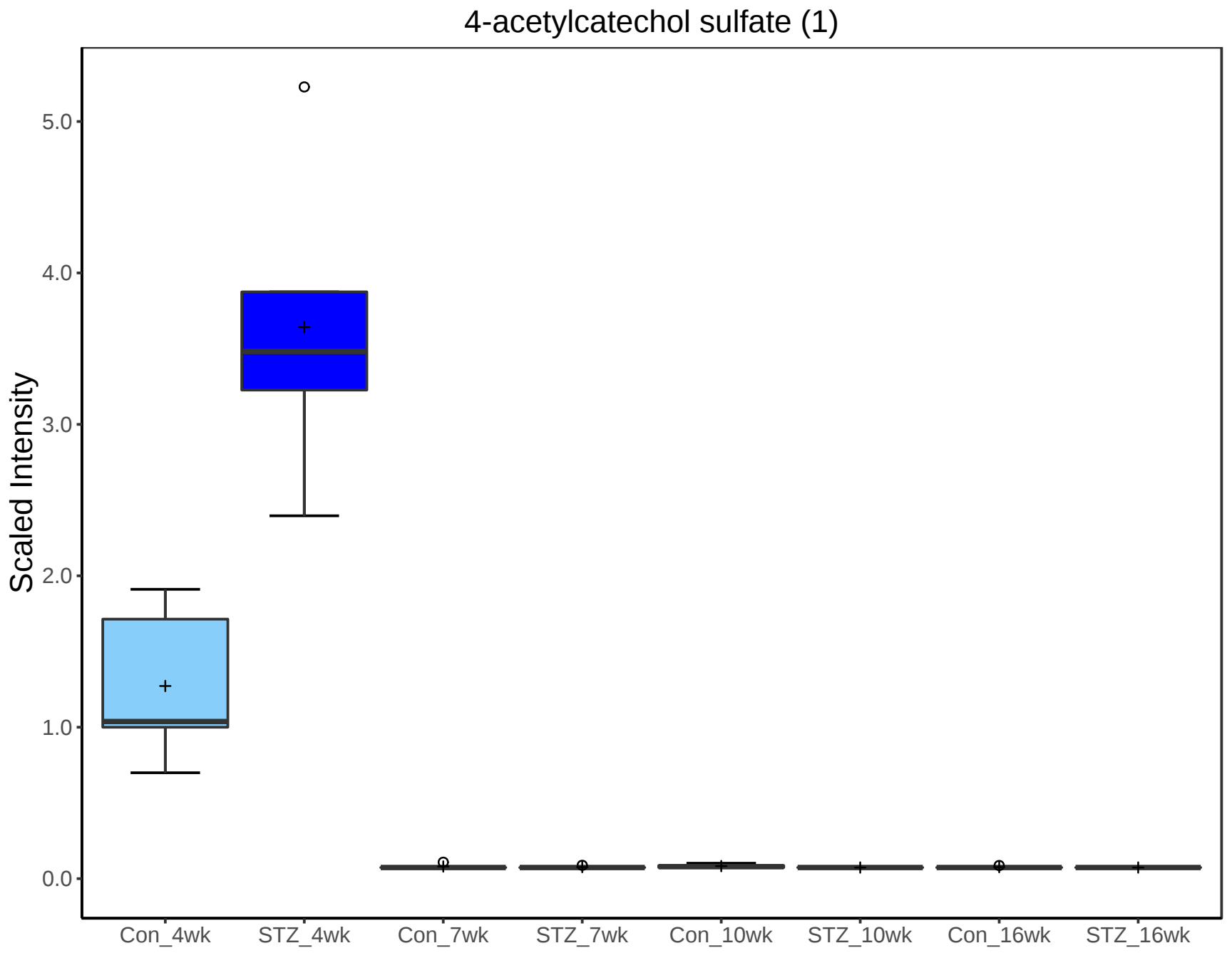

2-oxindole-3-acetate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

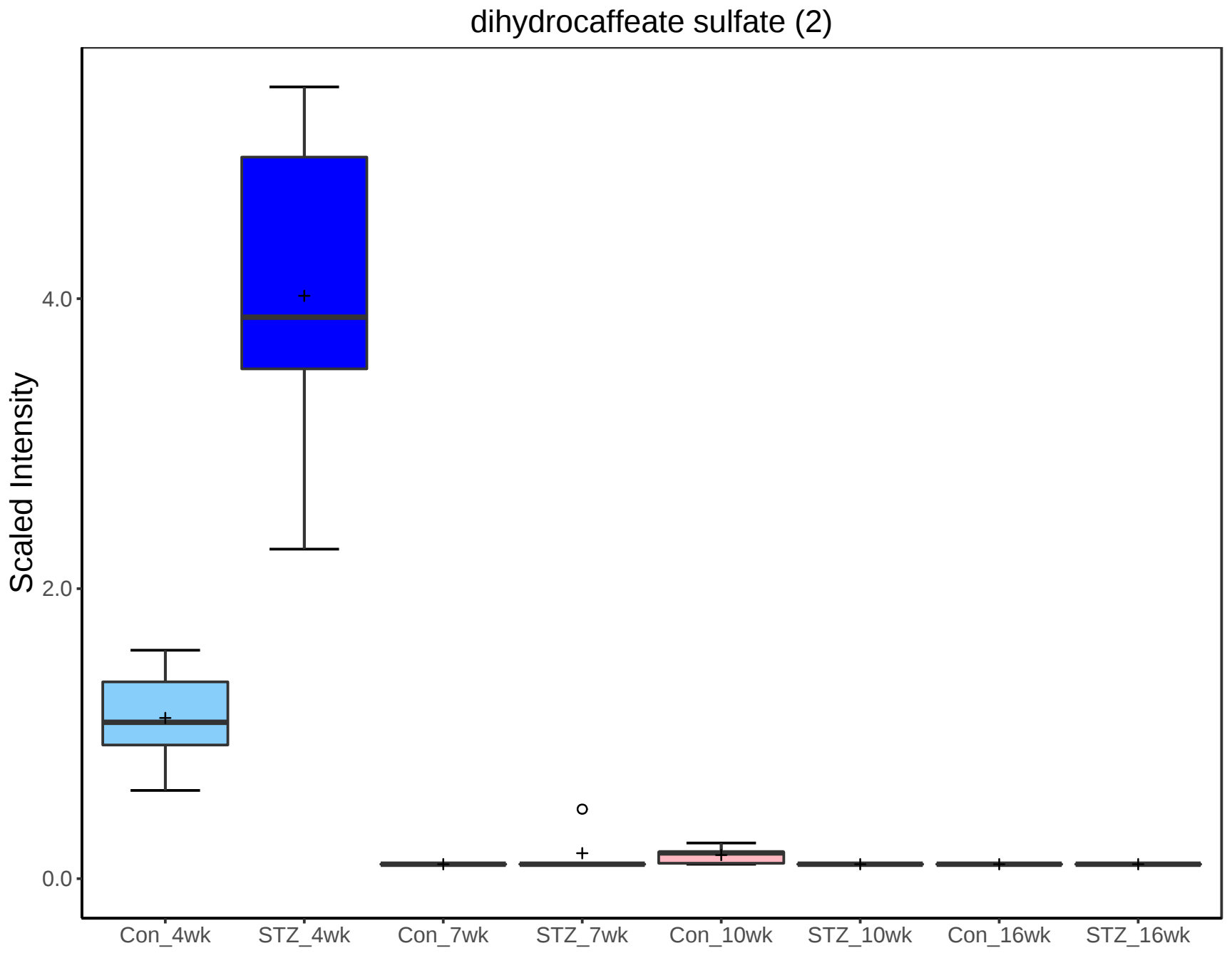

3-formylindole
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

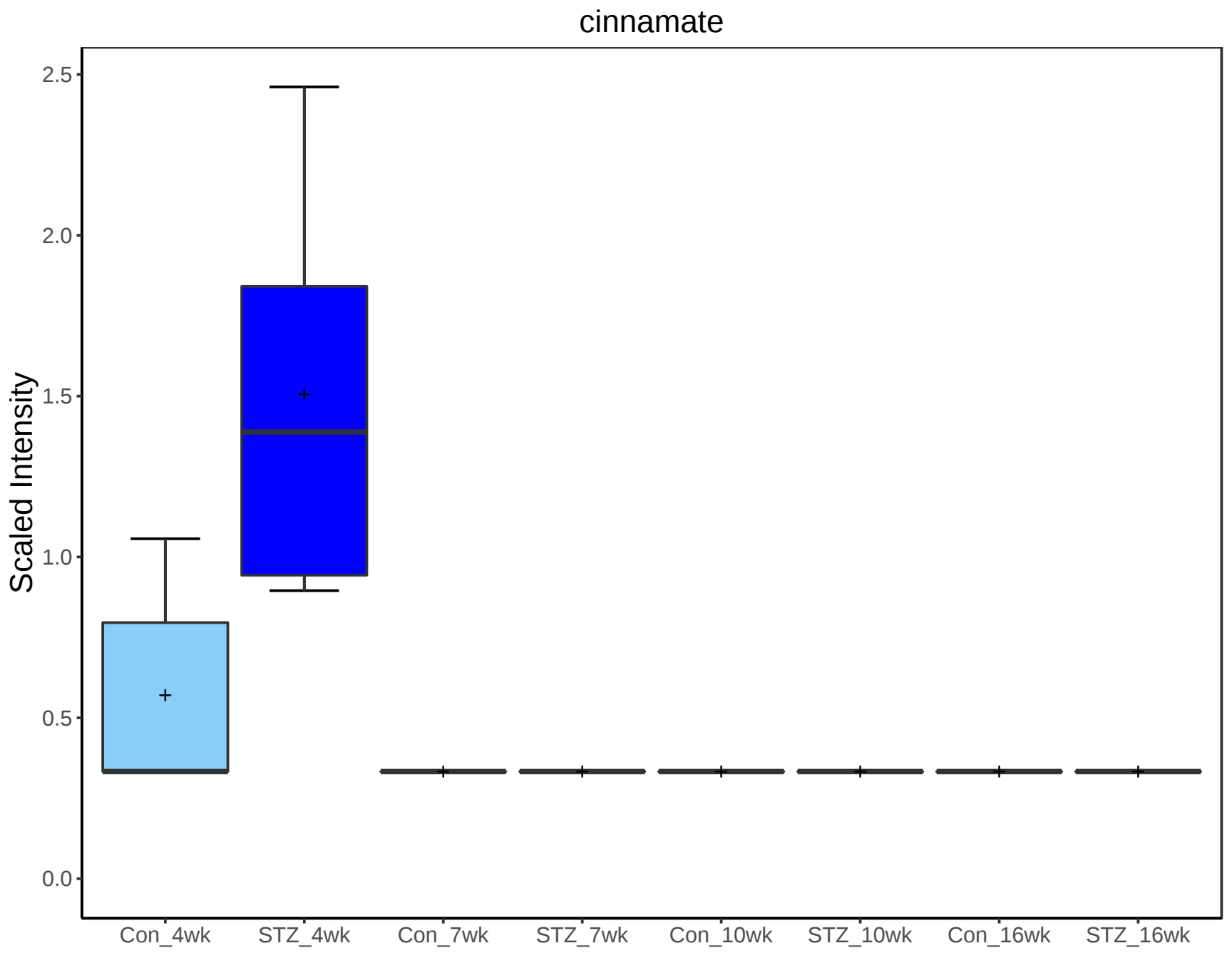

3-hydroxyindolin-2-one
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

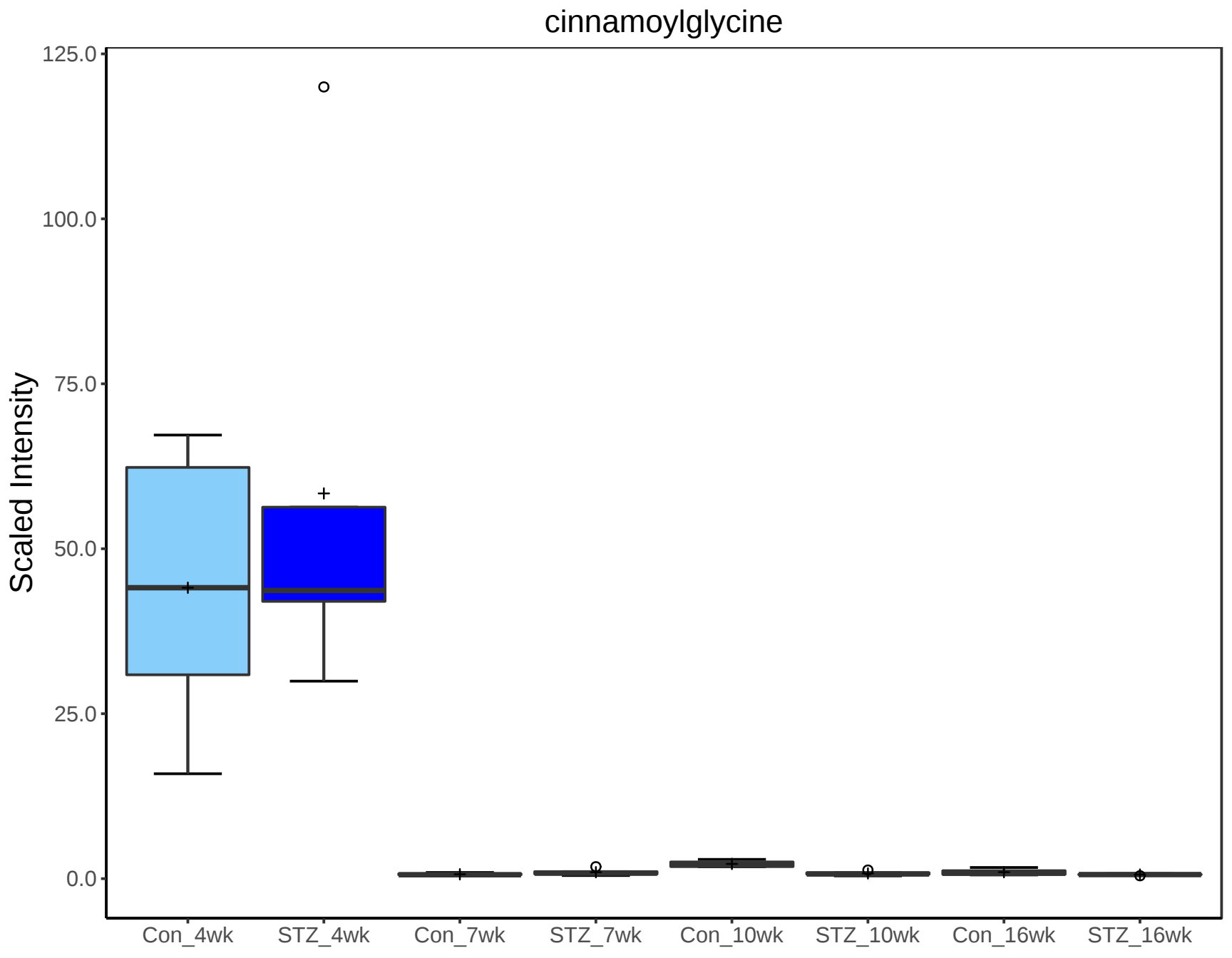

betonicine
Scaled Intensity
100.0
50.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

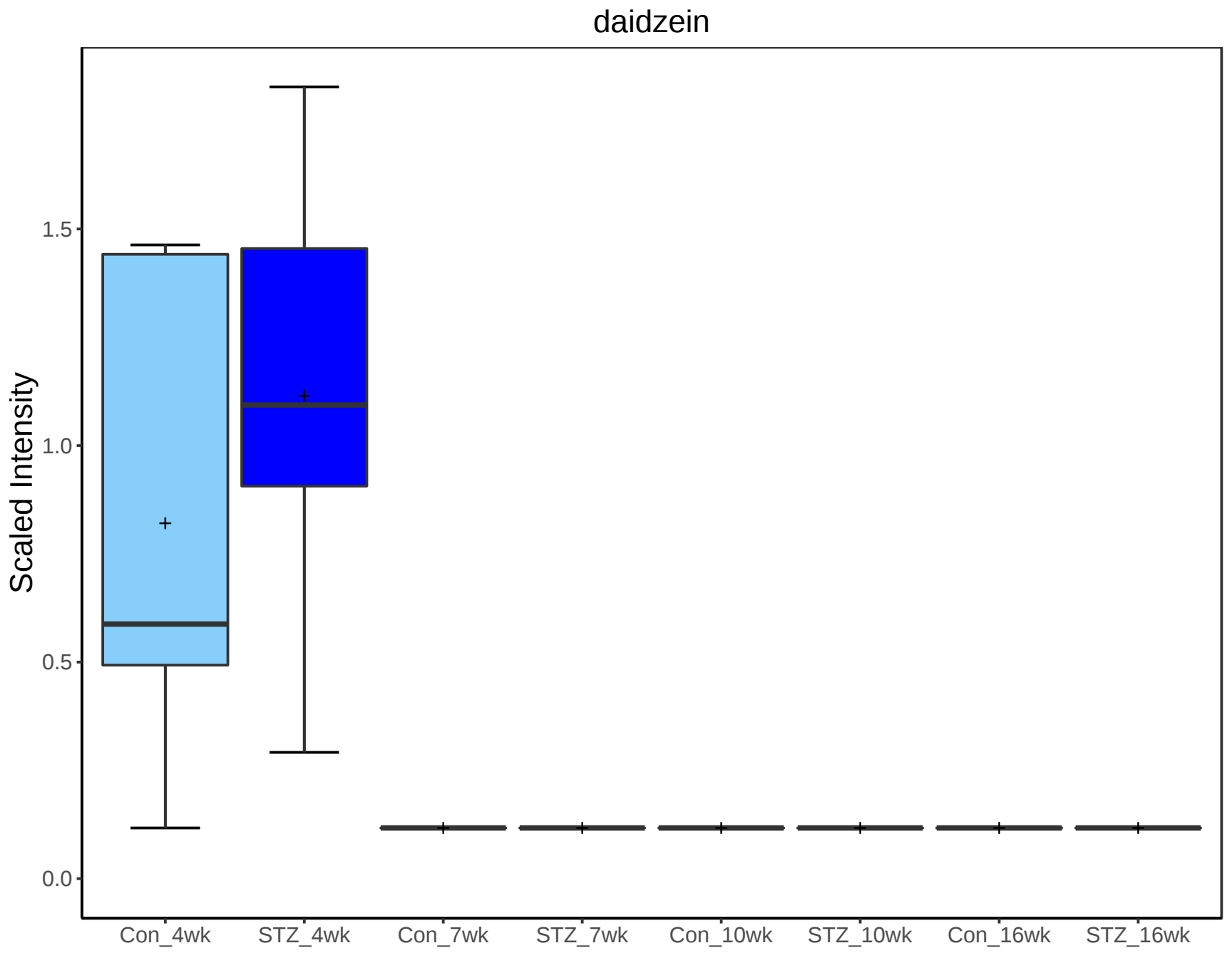

gluconate
Scaled Intensity
25.0
20.0
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

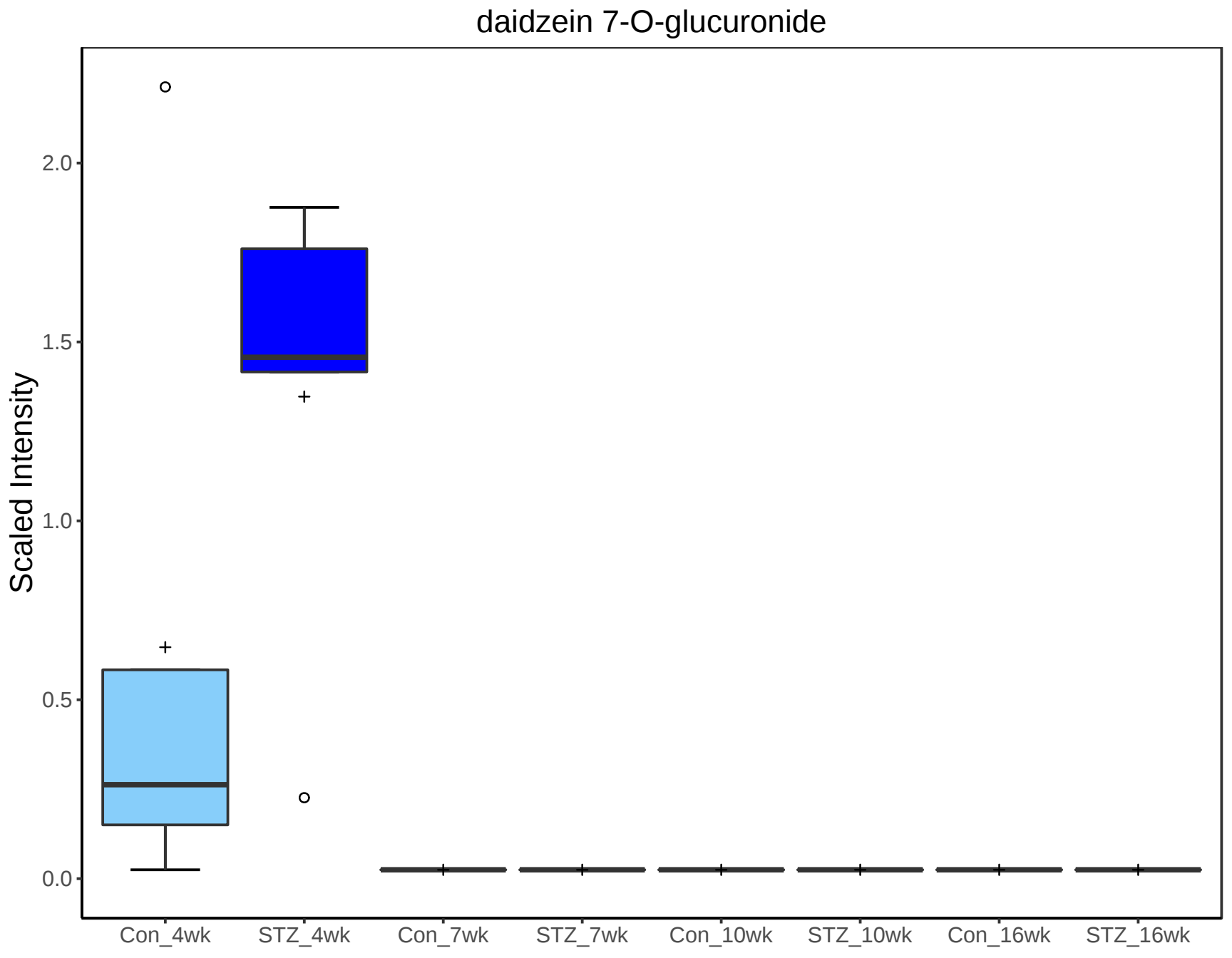

4-acetylcatechol sulfate (1)
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

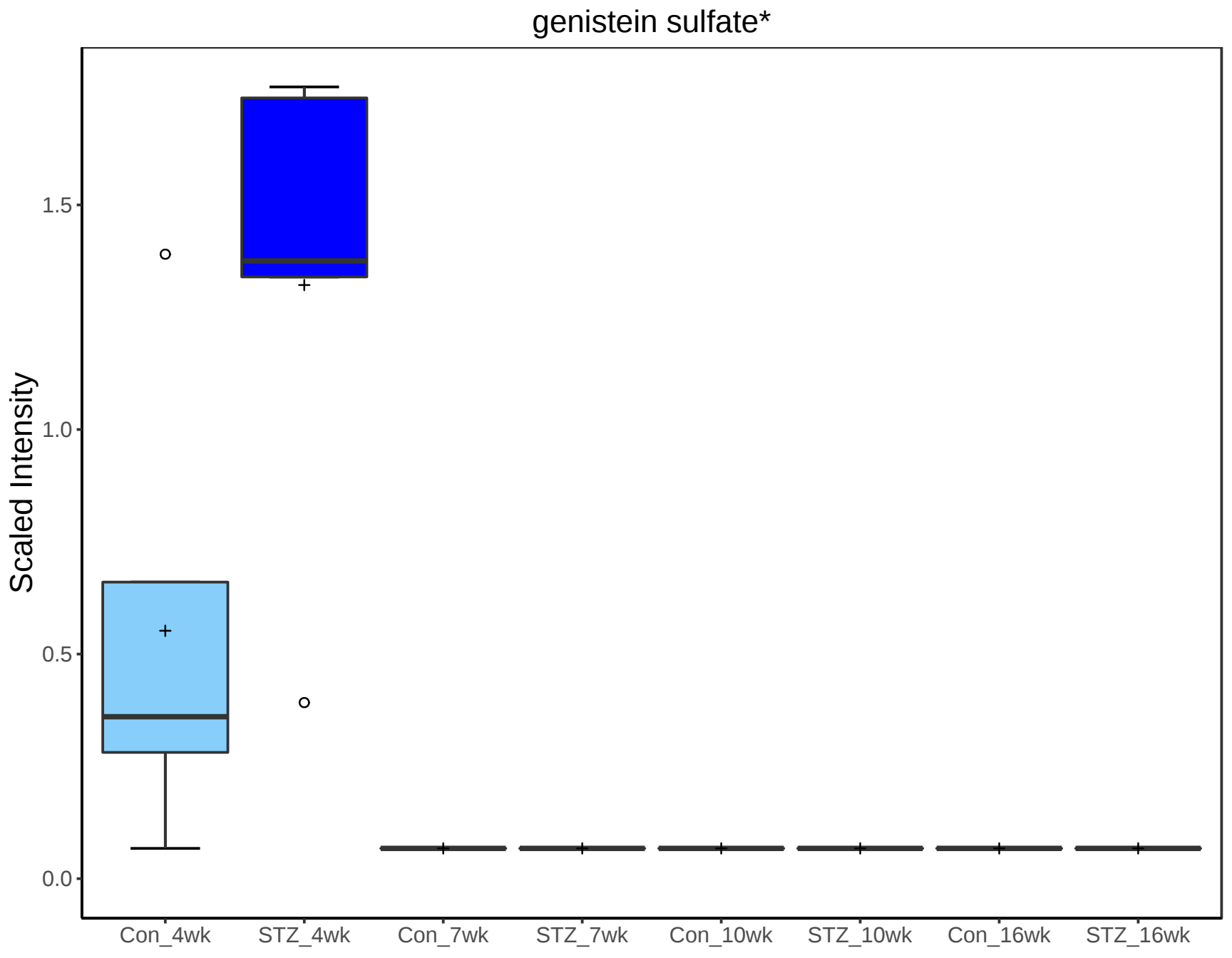

dihydrocaffeate sulfate (2)
Scaled Intensity
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

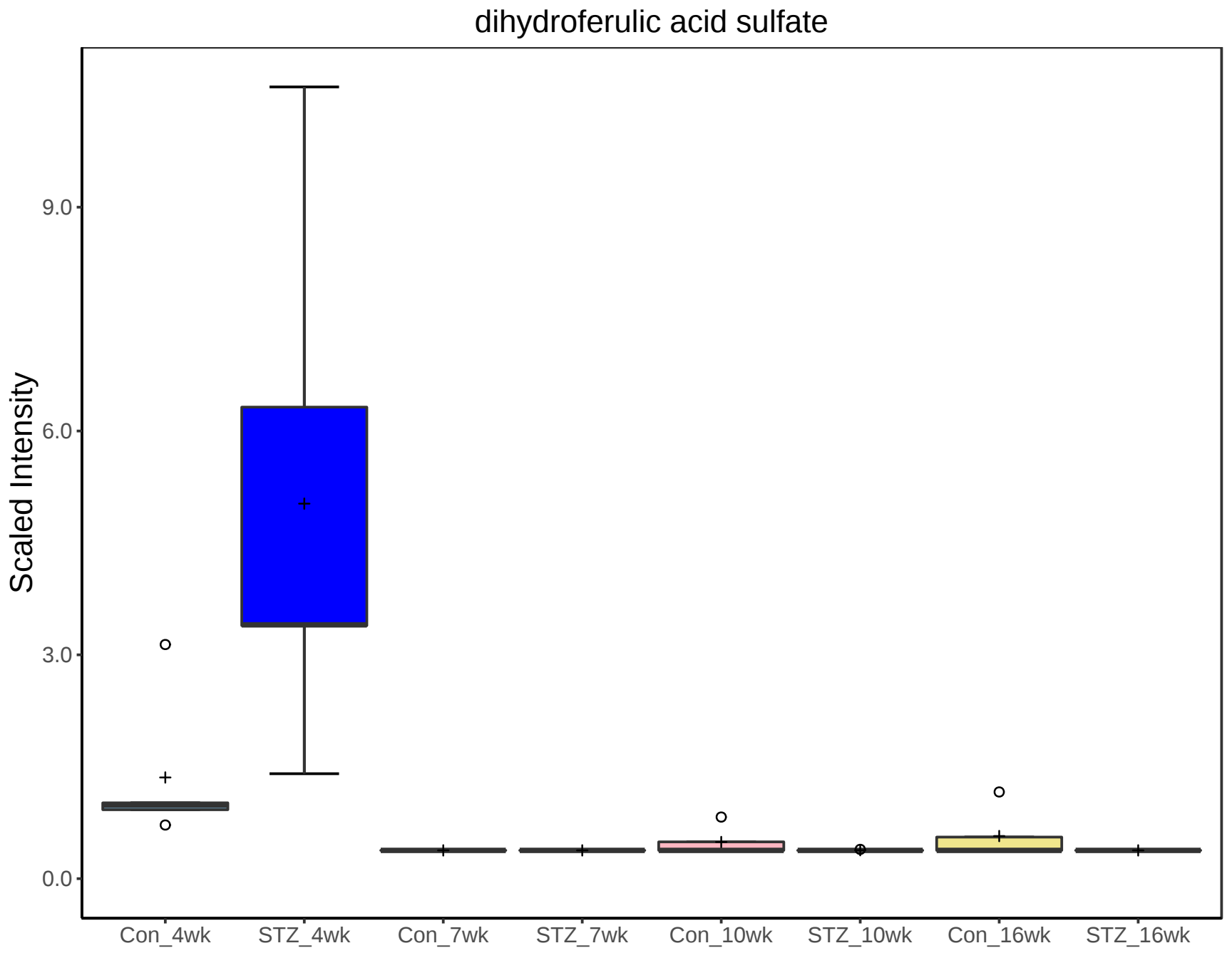

cinnamate
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

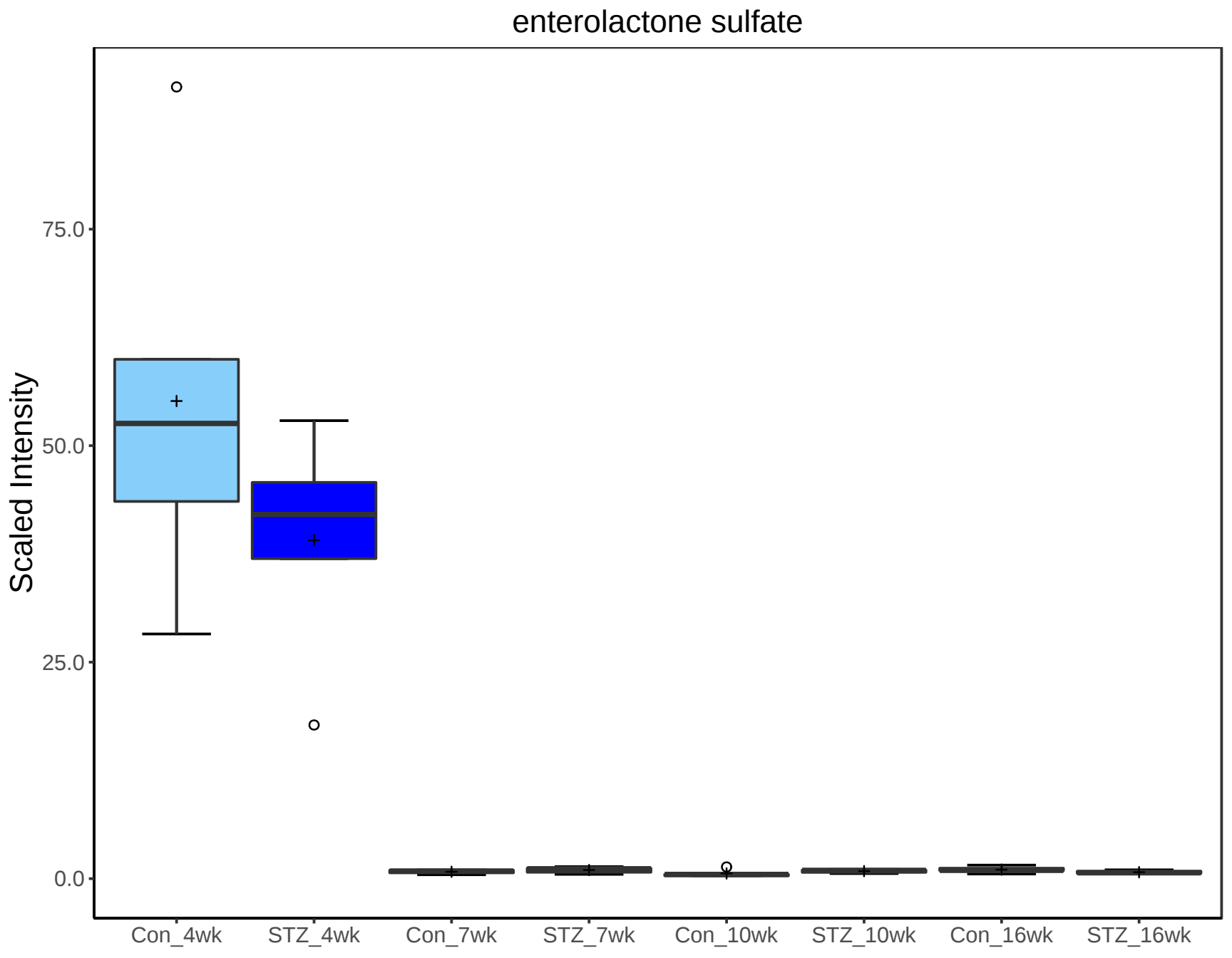

cinnamoylglycine
Scaled Intensity
125.0
100.0
75.0
50.0
25.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

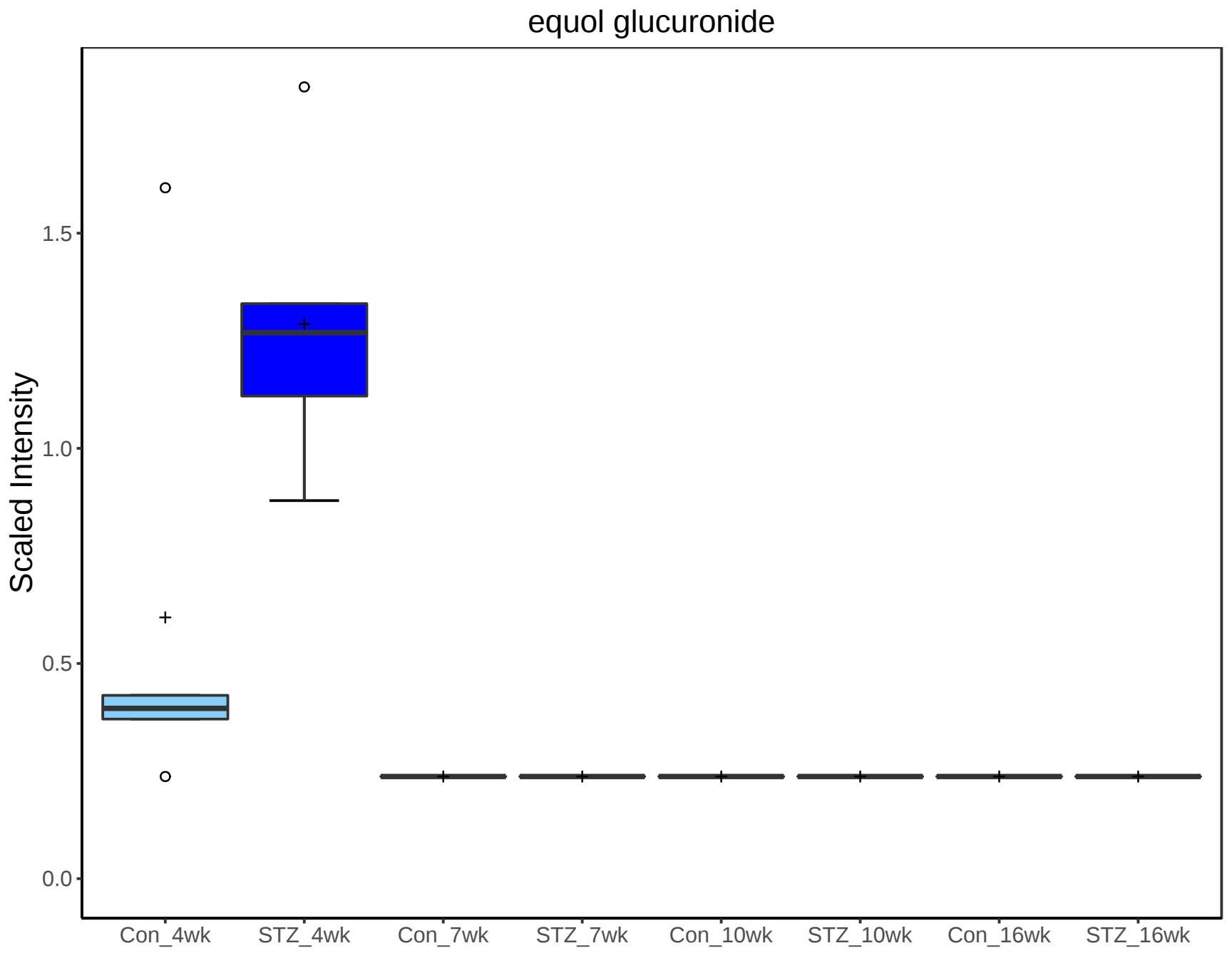

daidzein
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

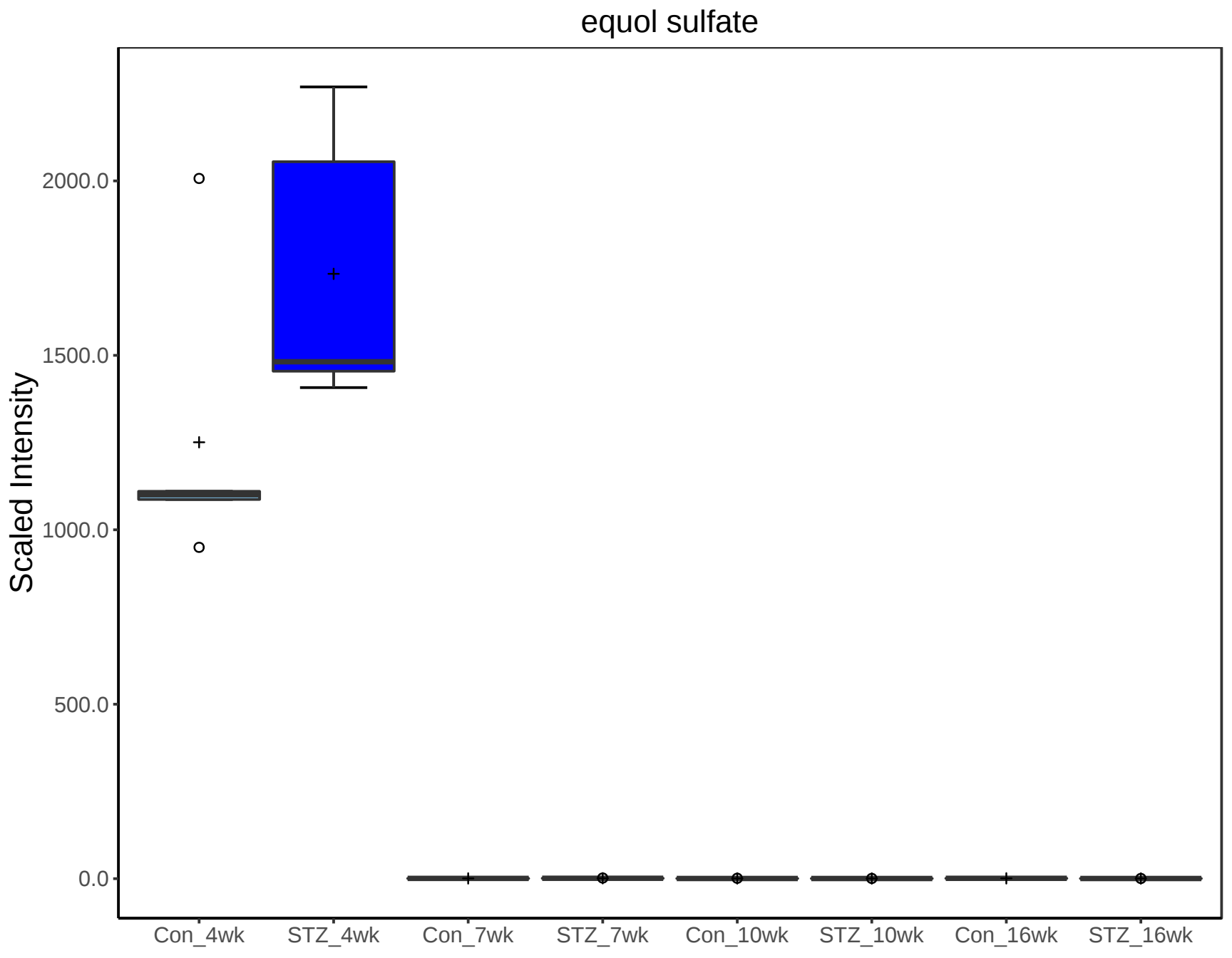

daidzein 7-O-glucuronide
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

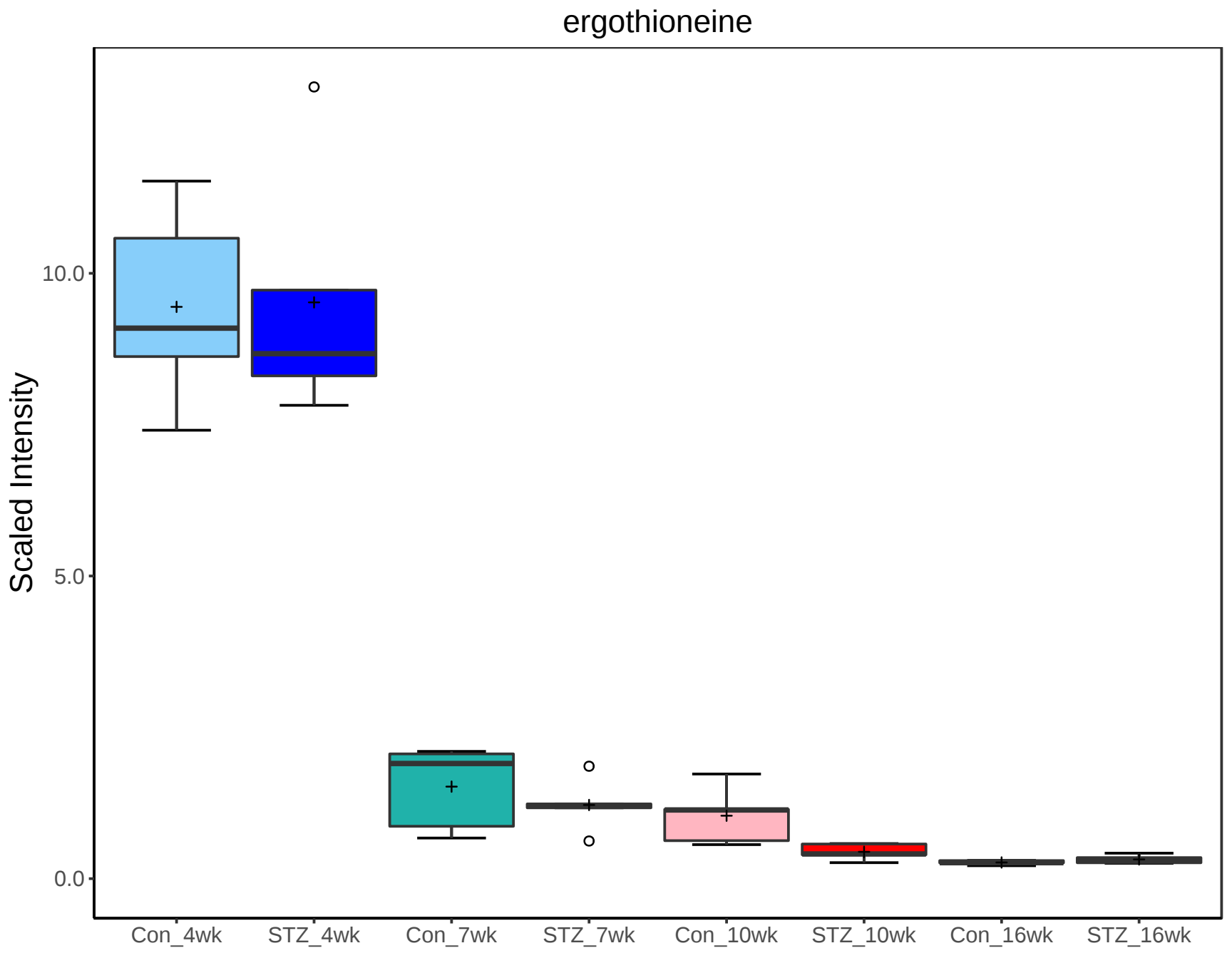

genistein sulfate*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

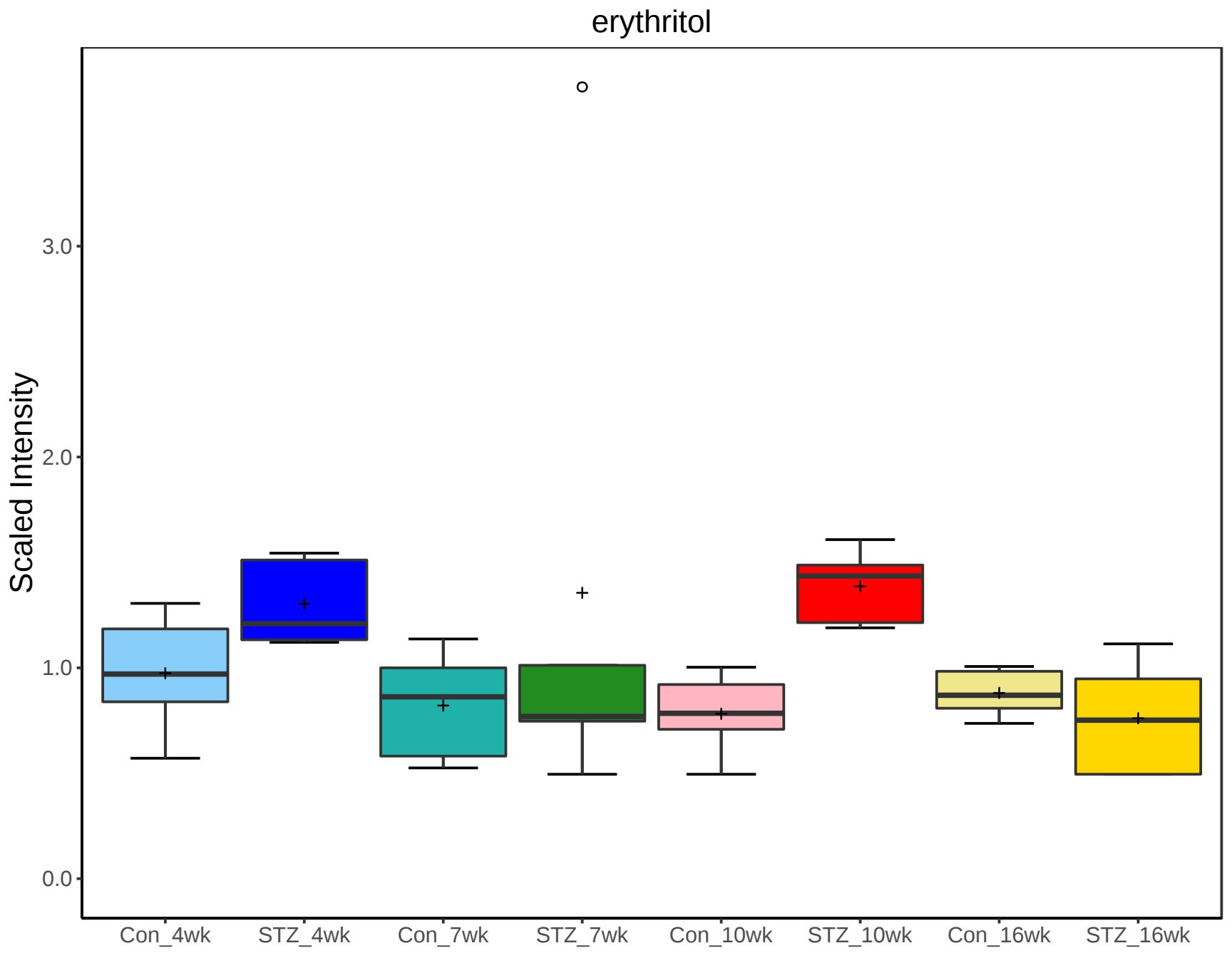

dihydroferulic acid sulfate
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

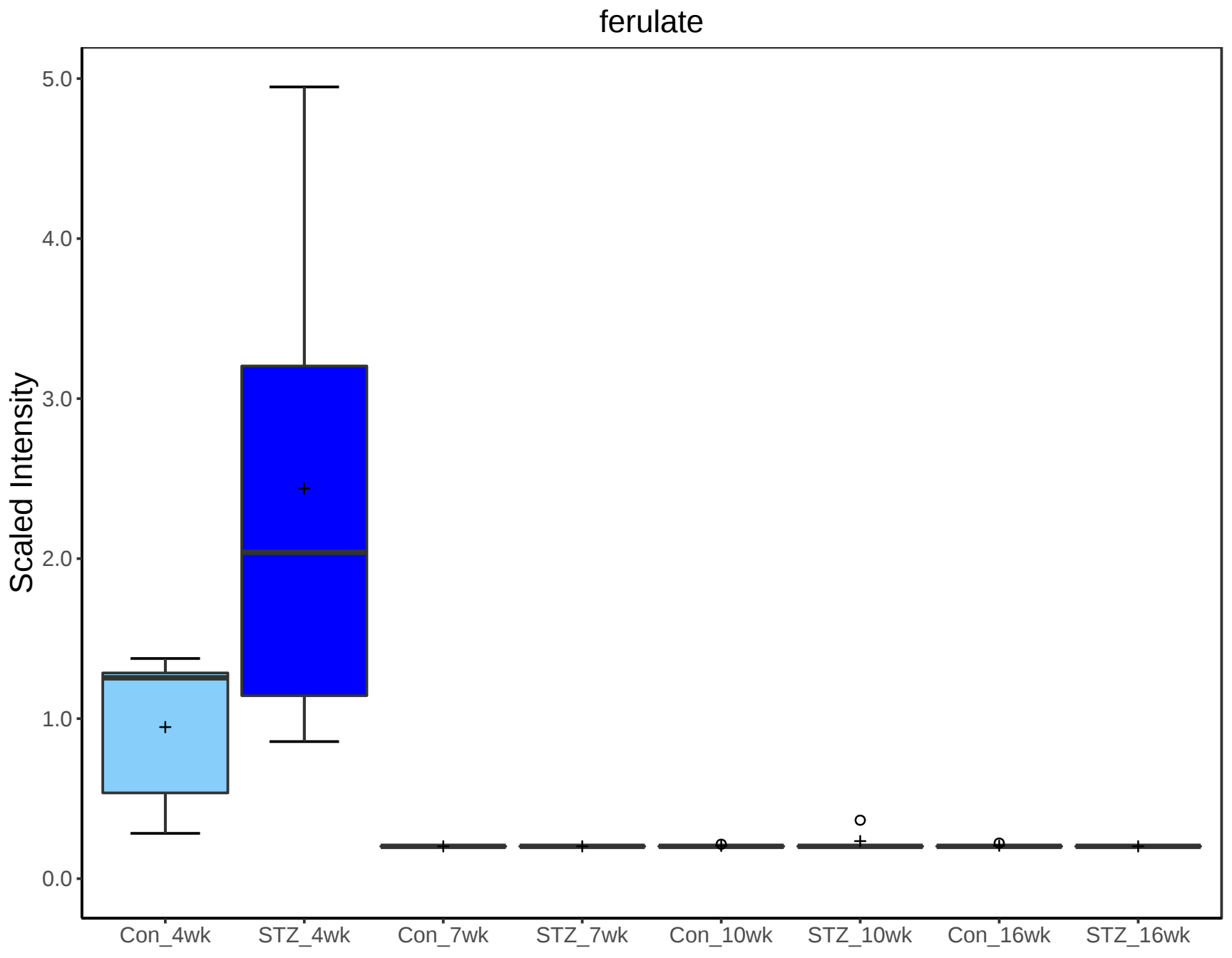

enterolactone sulfate
Scaled Intensity
75.0
50.0
25.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

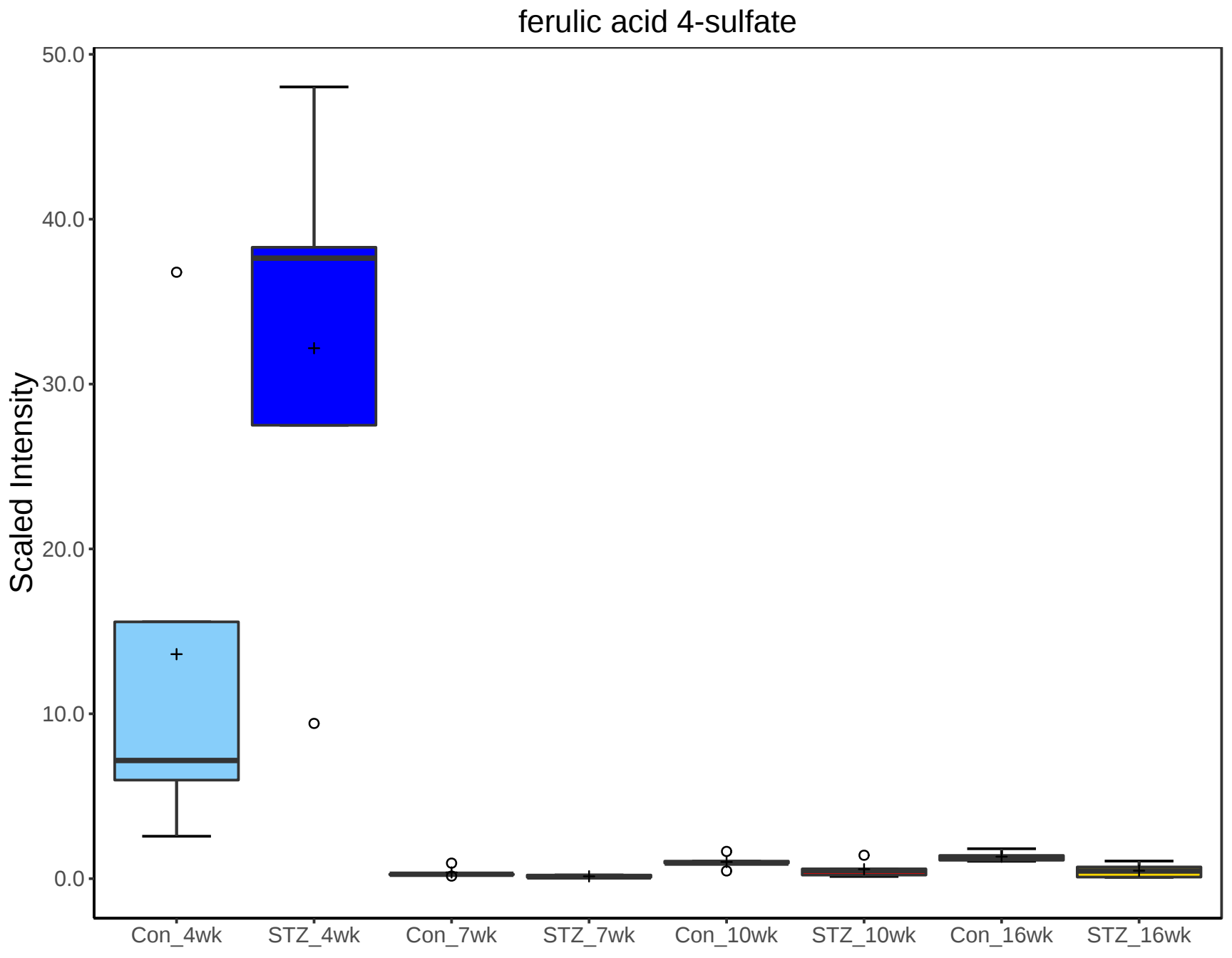

equol glucuronide
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

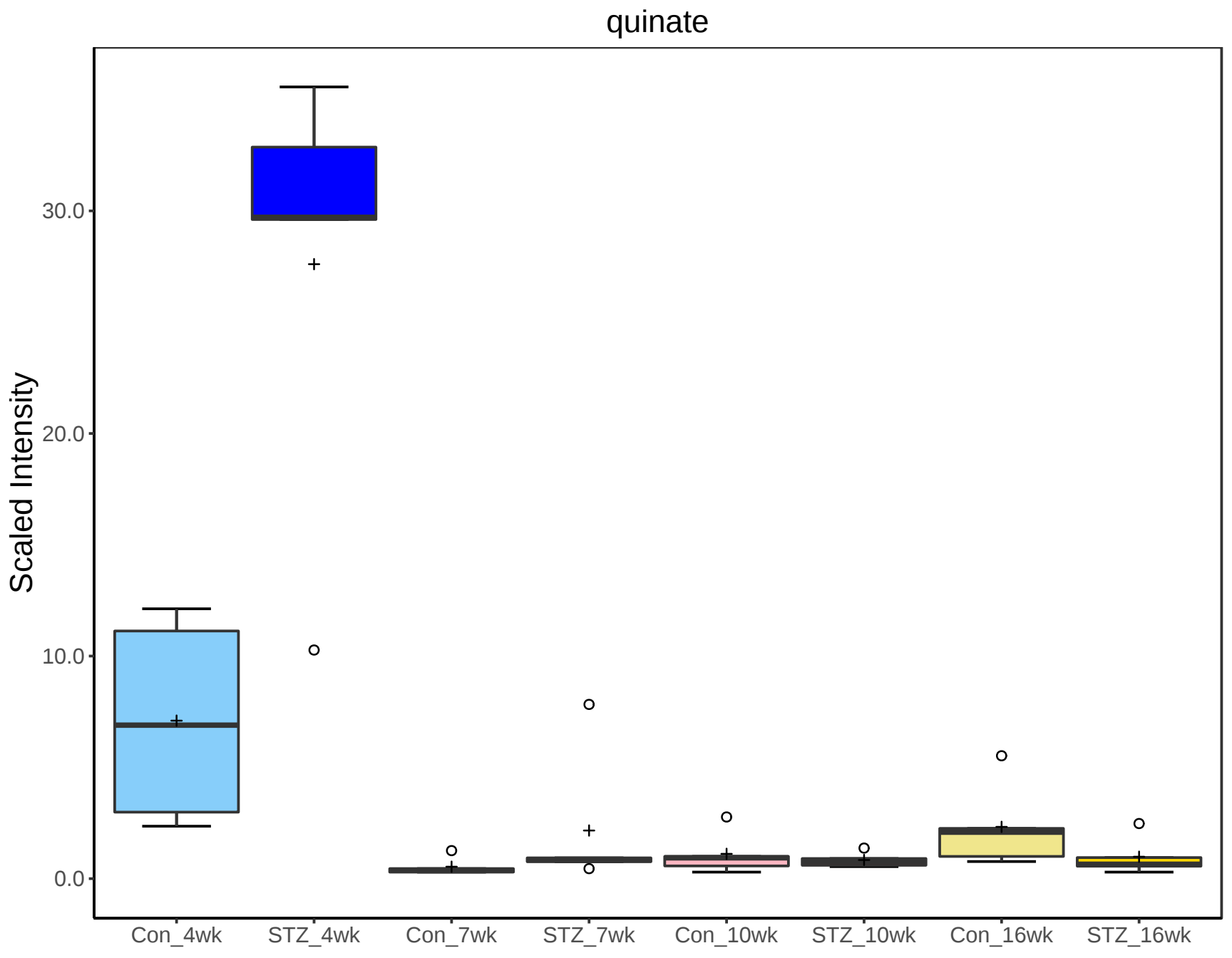

equol sulfate
Scaled Intensity
2000.0
1500.0
1000.0
500.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

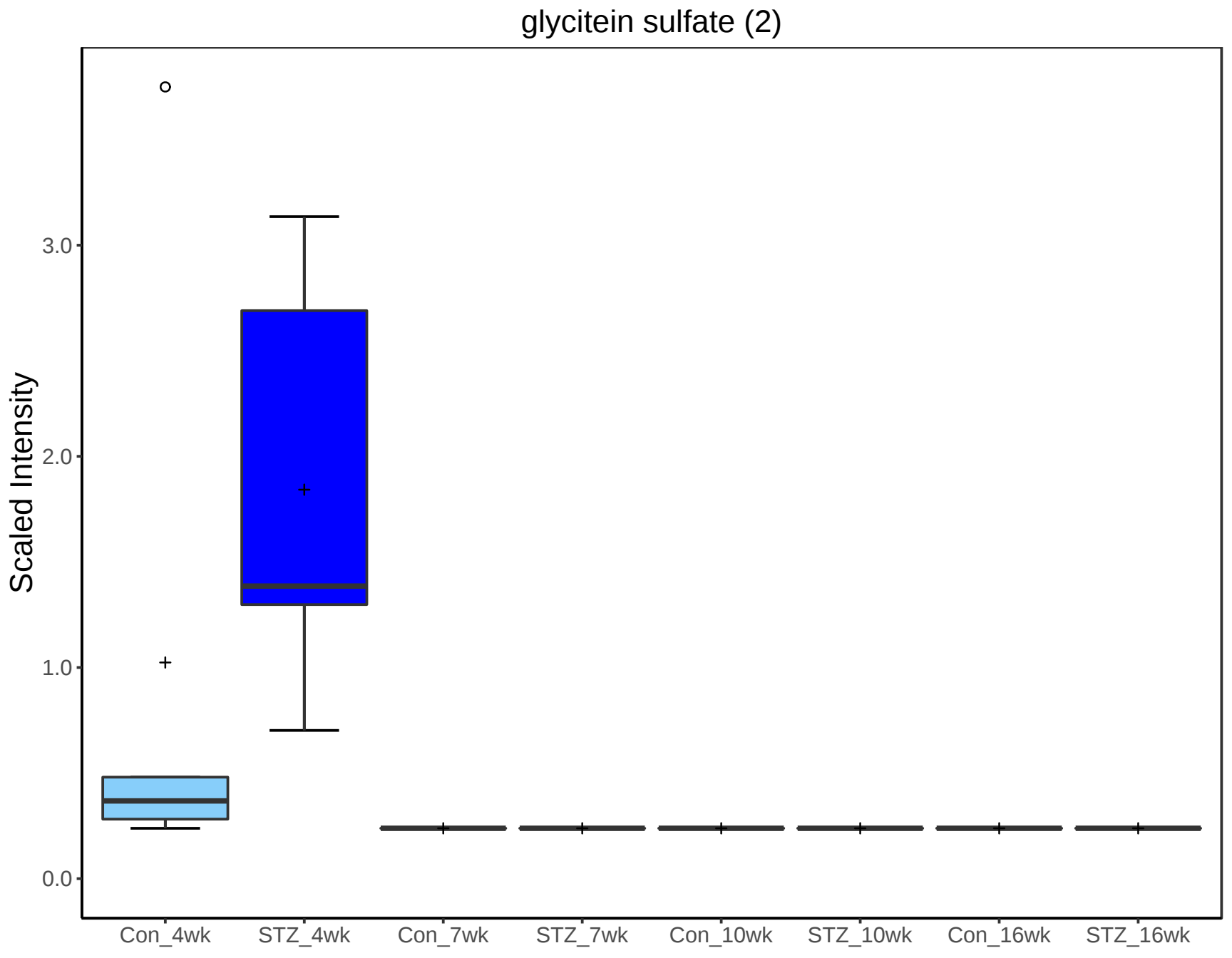

ergothioneine
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

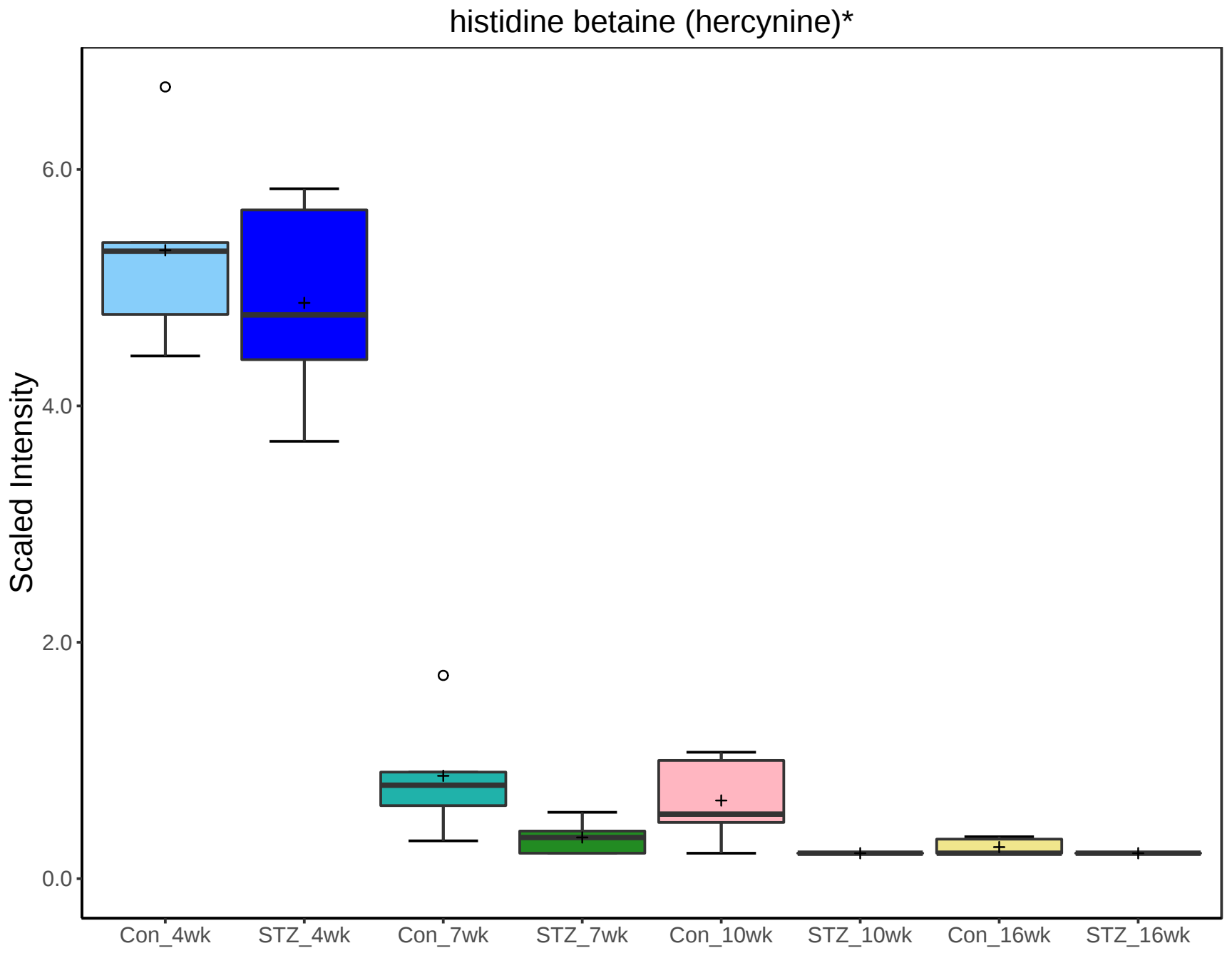

erythritol
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

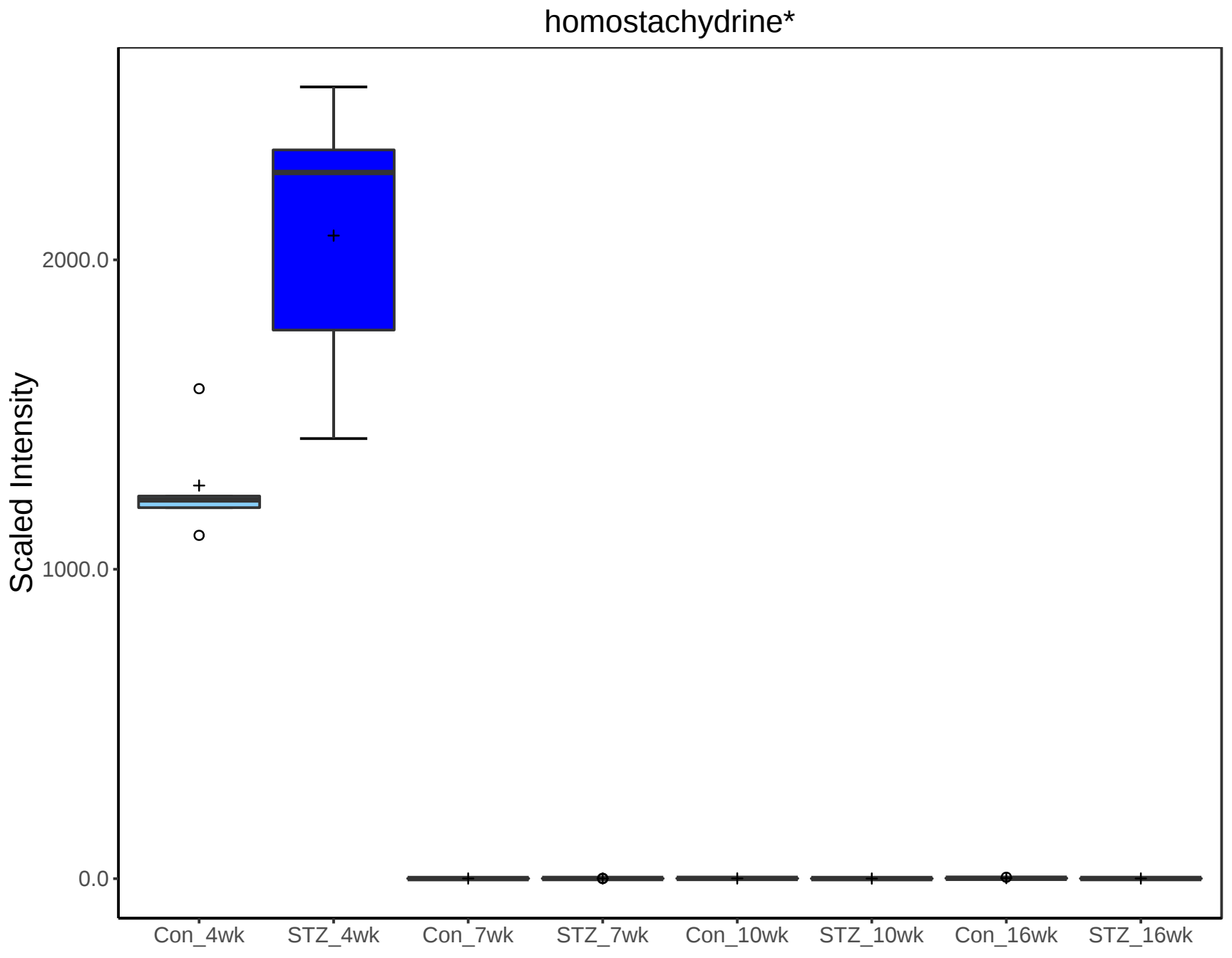

ferulate
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

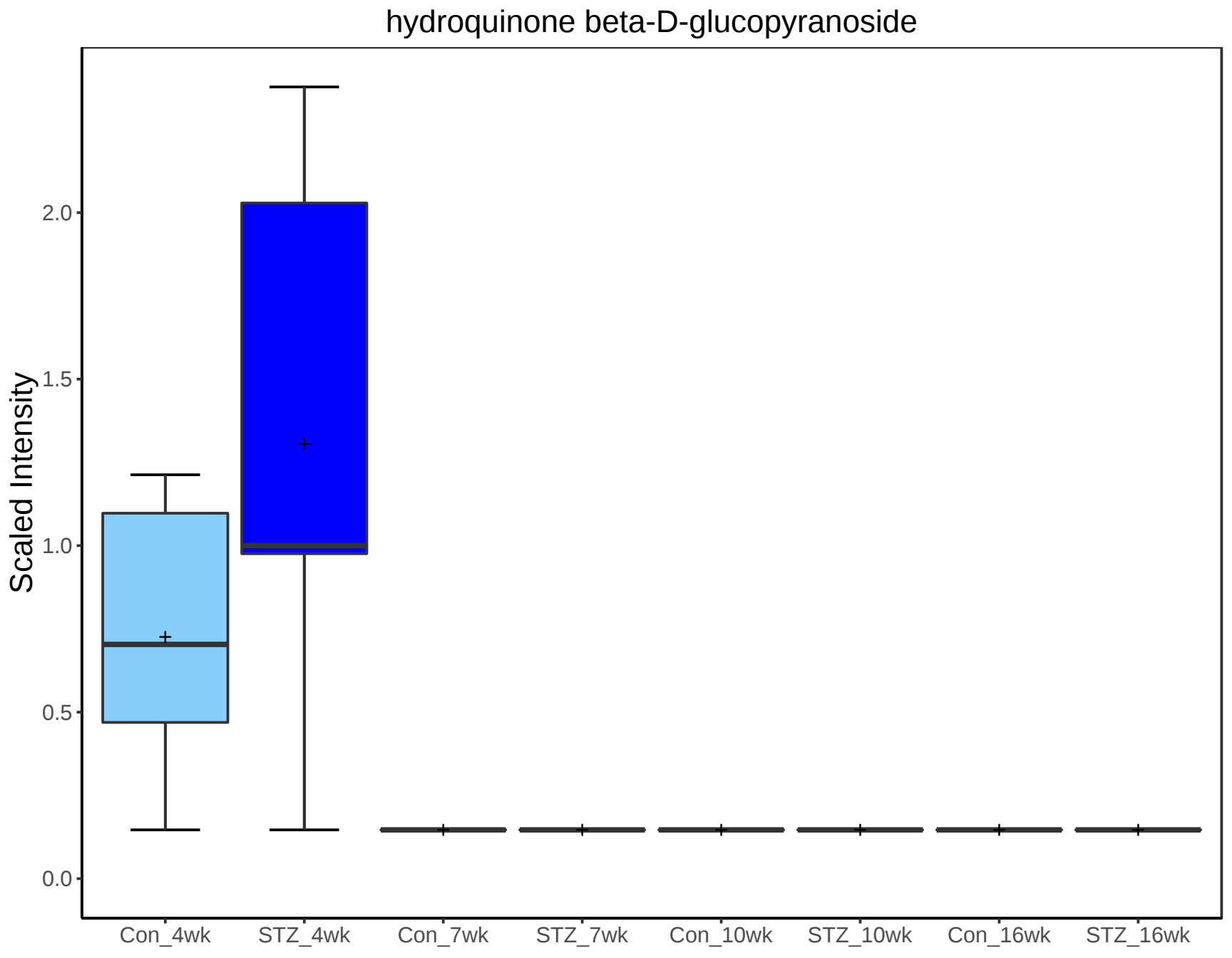

ferulic acid 4-sulfate
Scaled Intensity
50.0
40.0
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

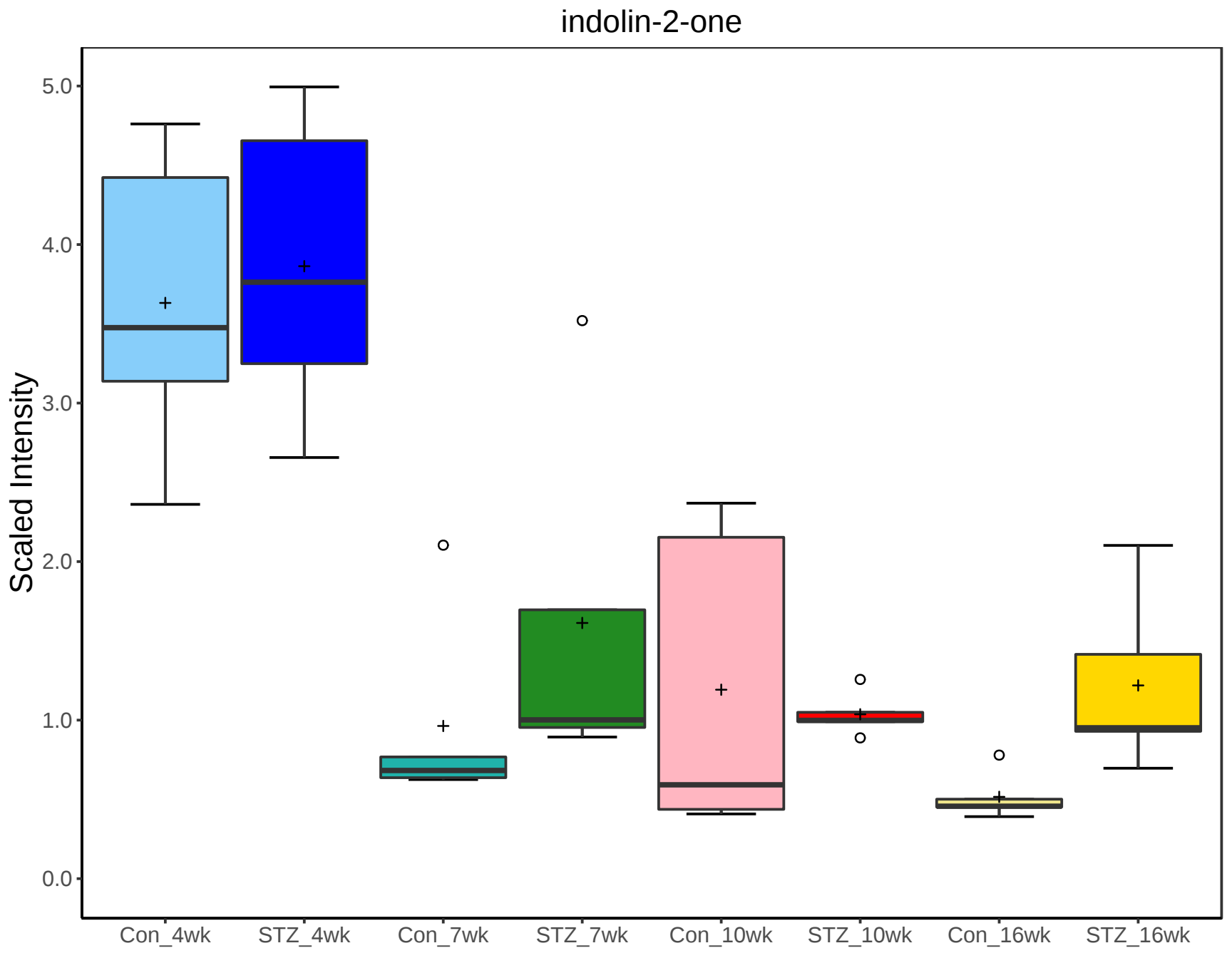

quinate
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

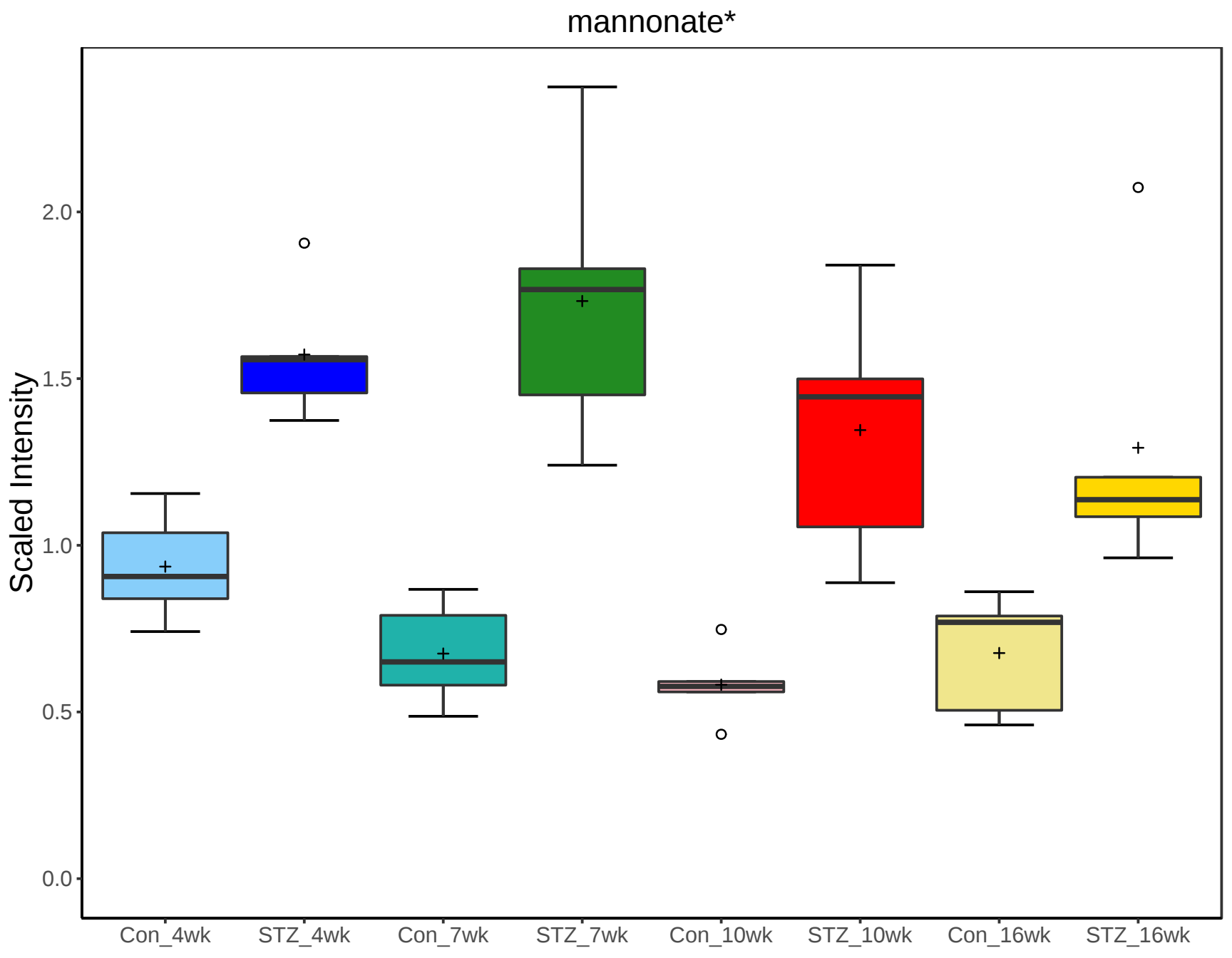

glycitein sulfate (2)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

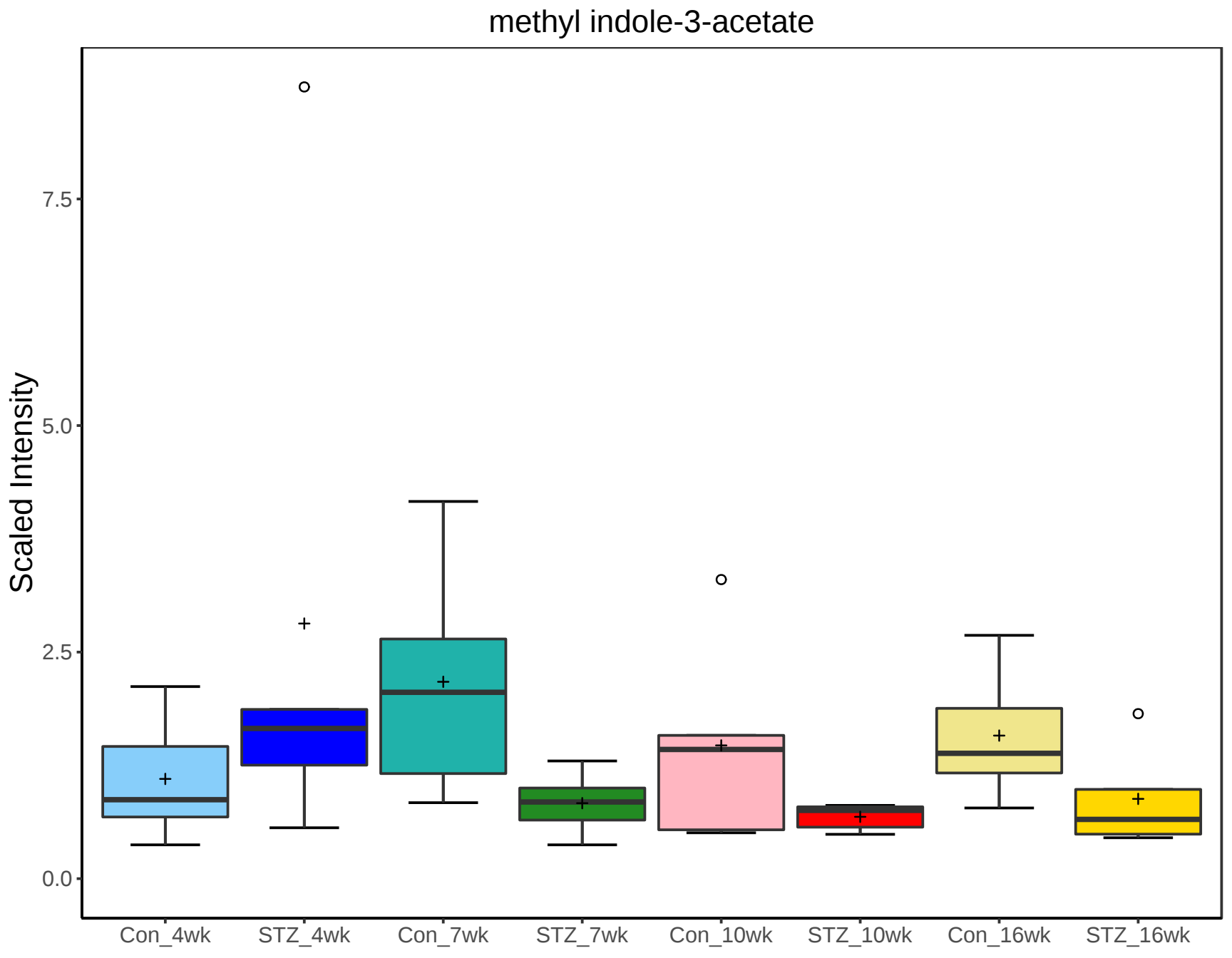

histidine betaine (hercynine)*
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

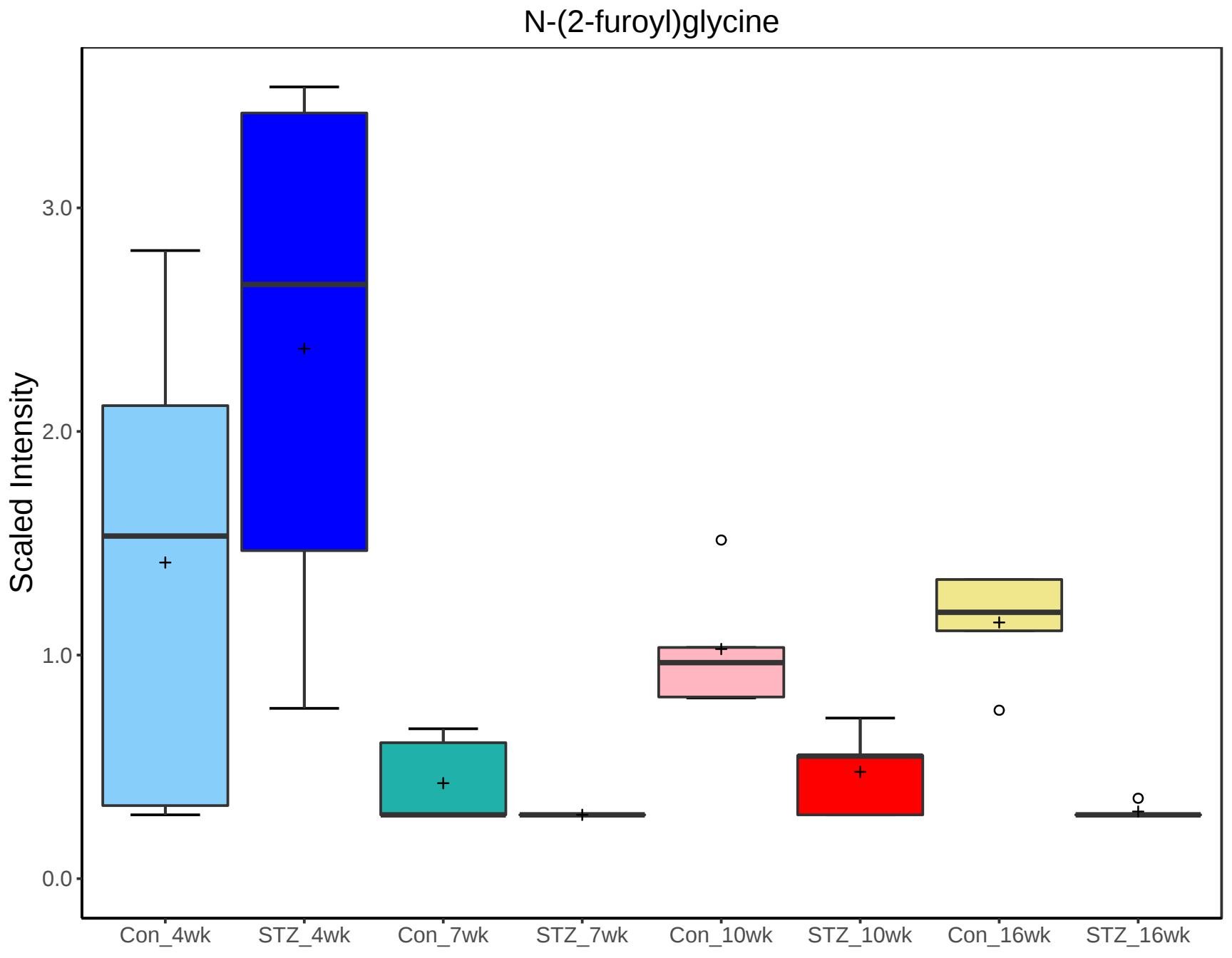

homostachydrine*
Scaled Intensity
2000.0
1000.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

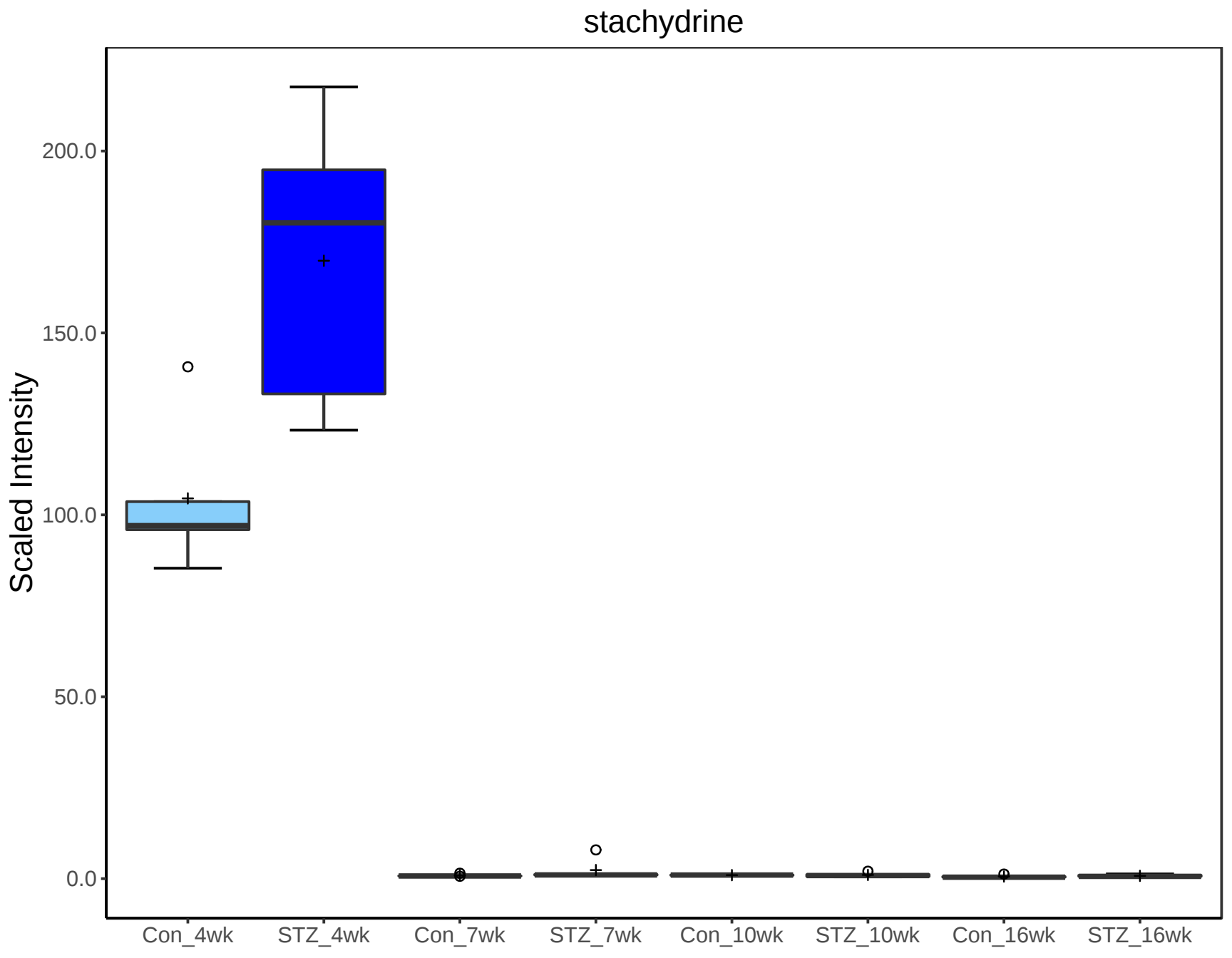

hydroquinone beta-D-glucopyranoside
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

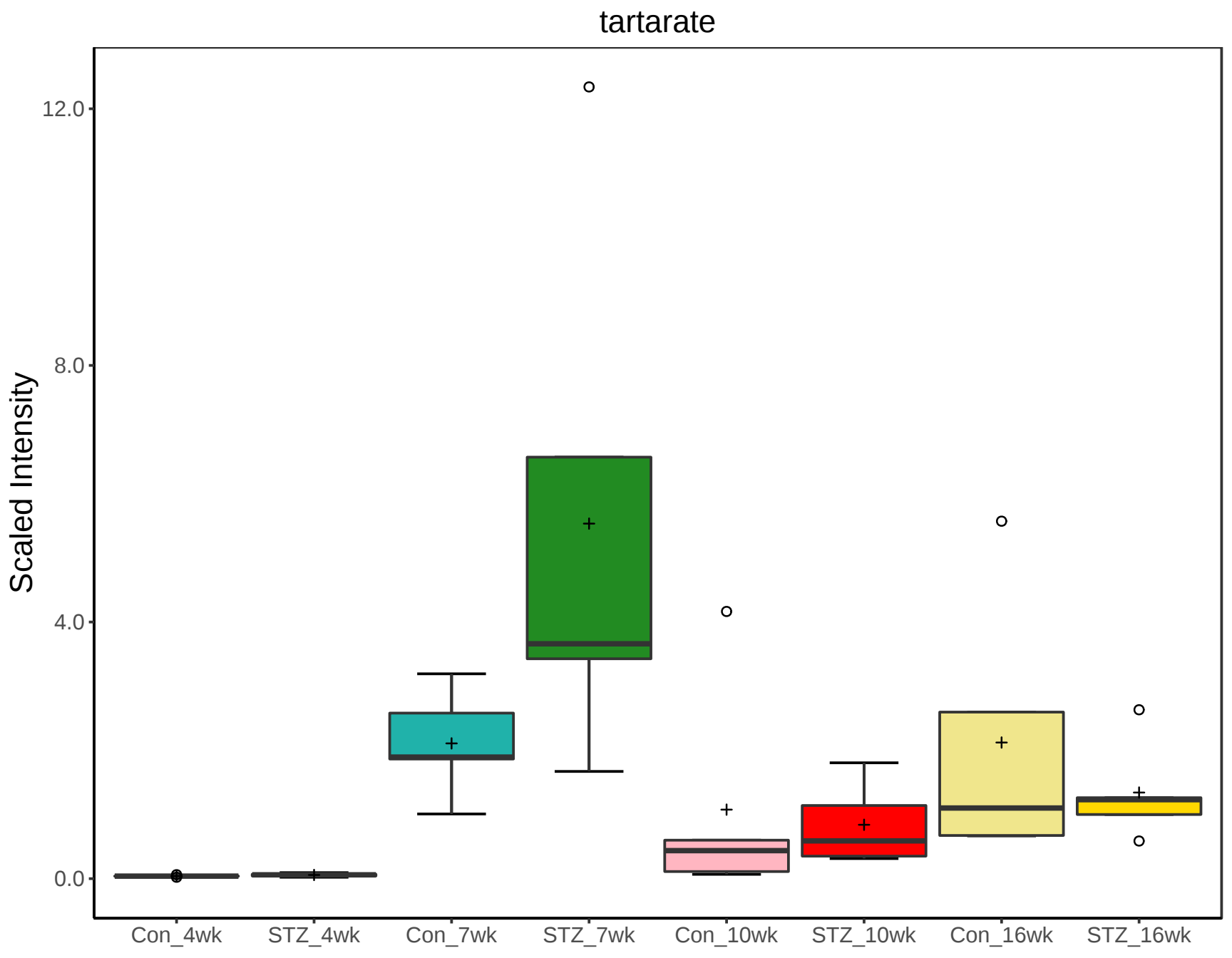

indolin-2-one
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

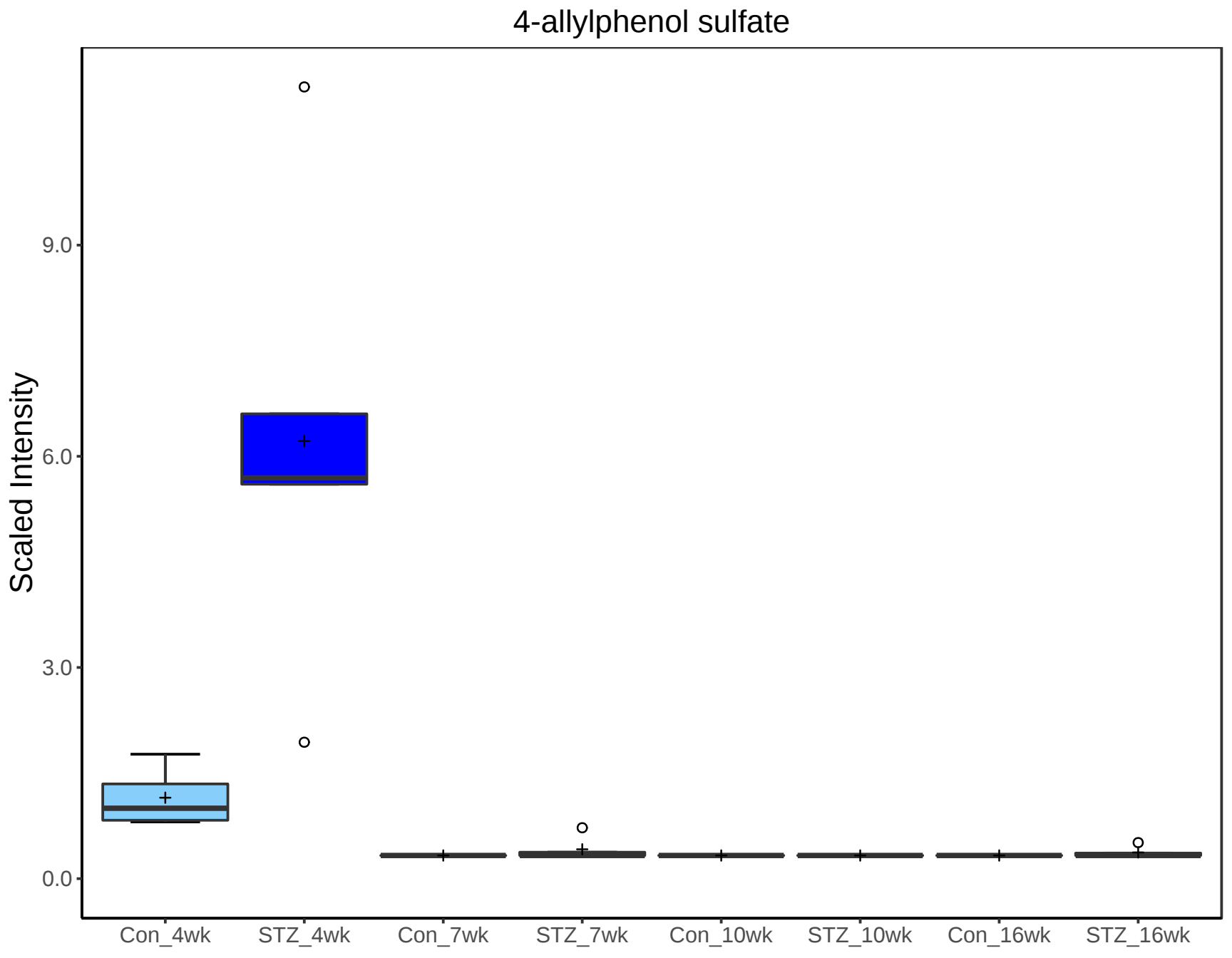

mannonate*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

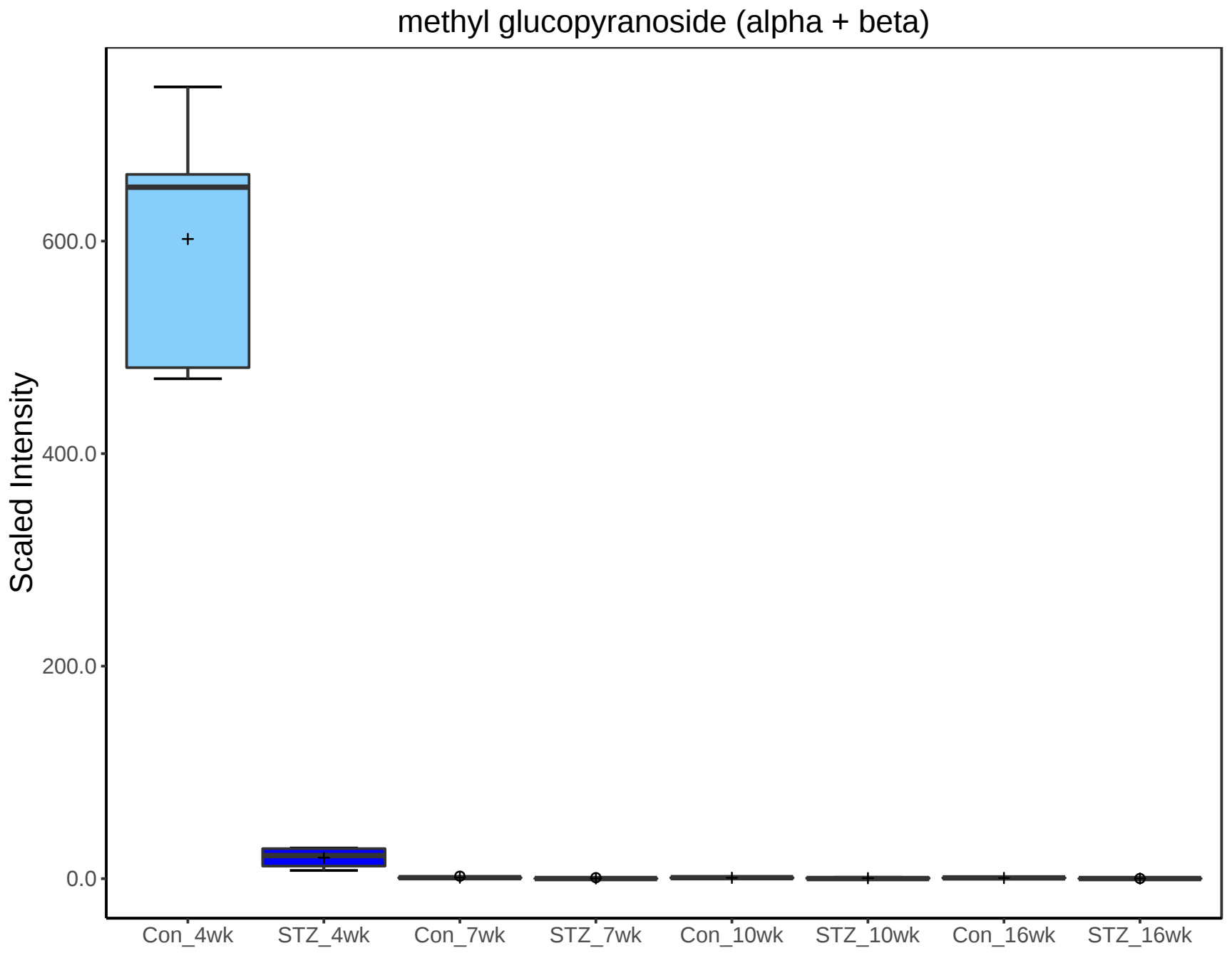

methyl indole-3-acetate
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

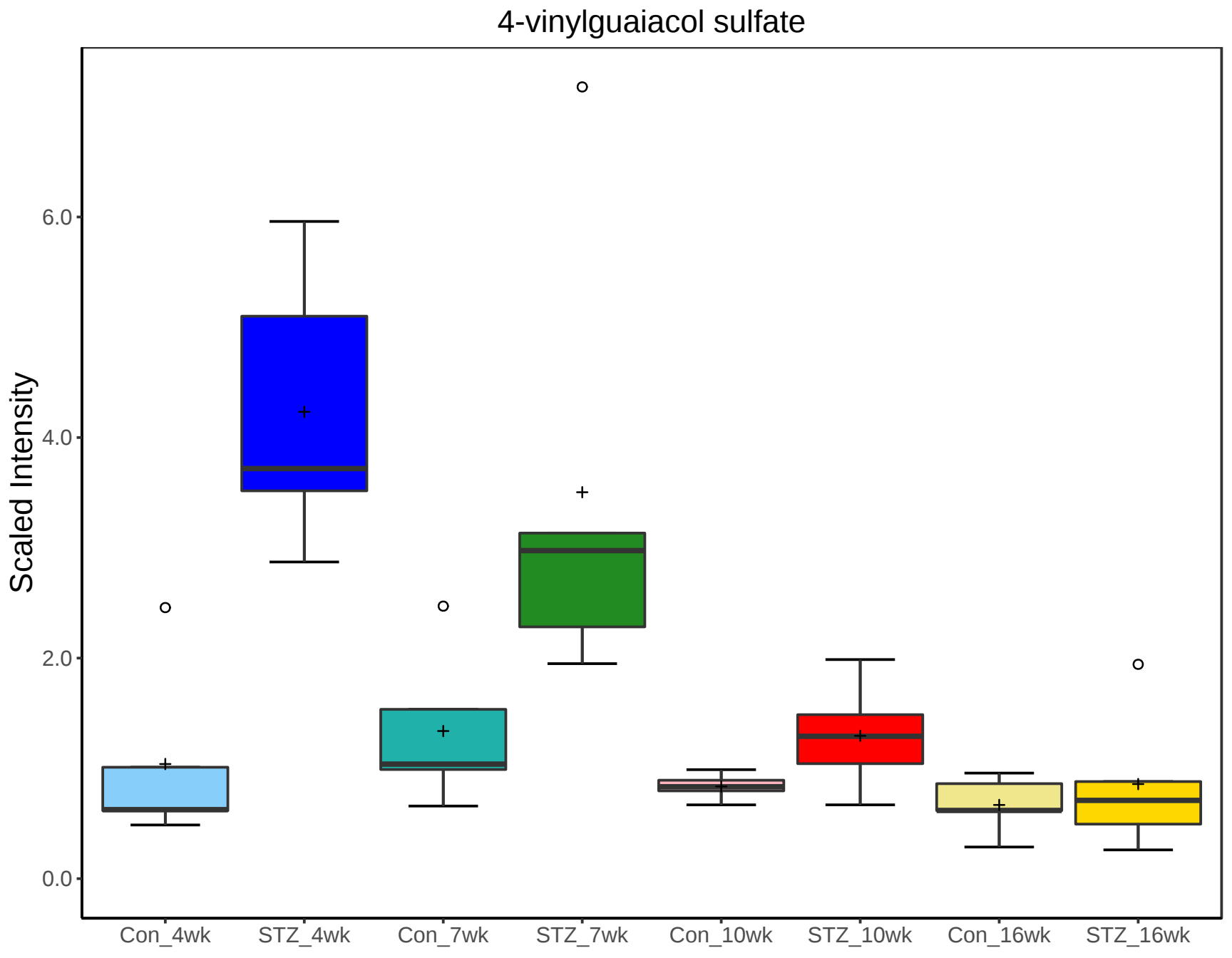

N-(2-furoyl)glycine
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

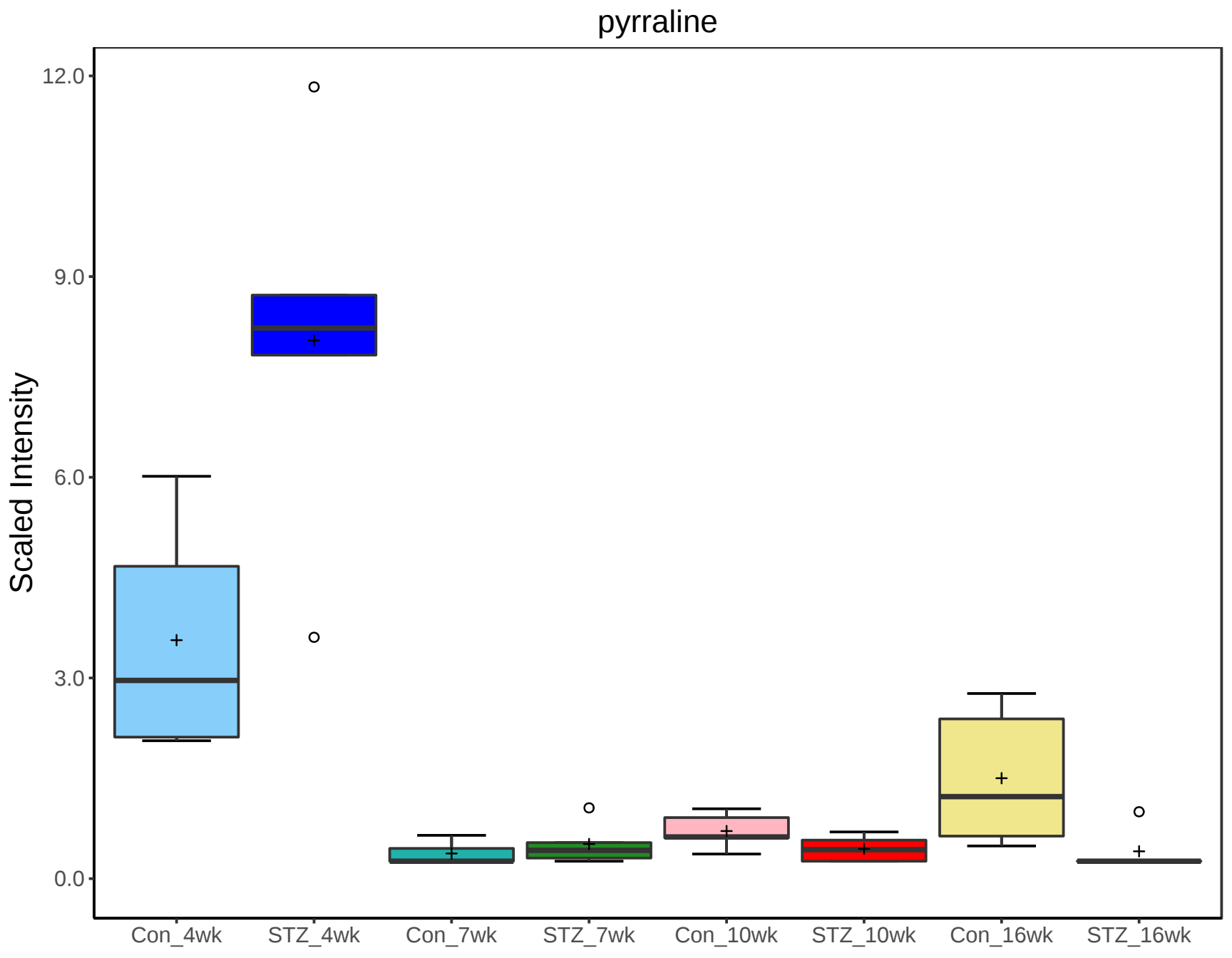

stachydrine
Scaled Intensity
200.0
150.0
100.0
50.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

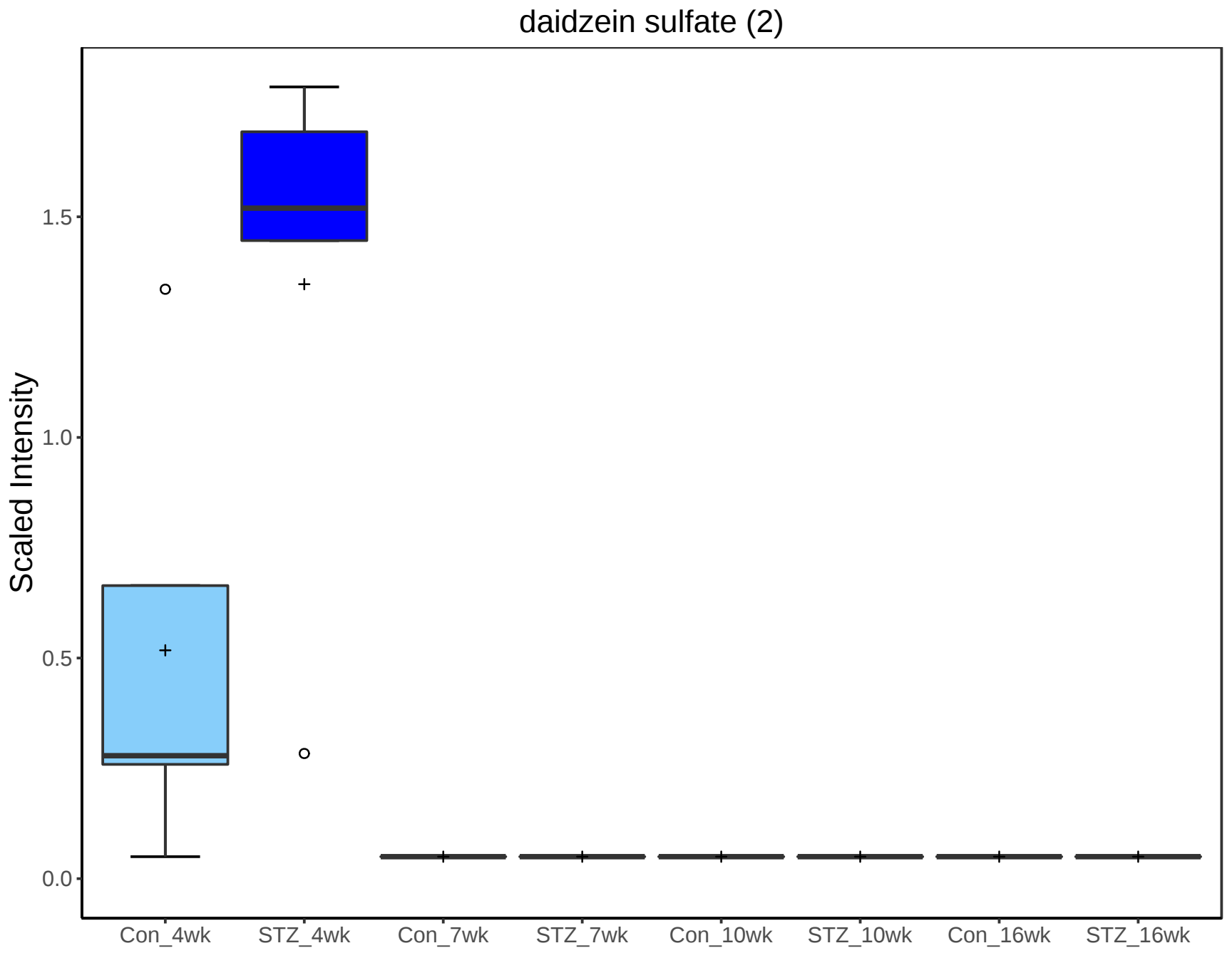

tartarate
Scaled Intensity
12.0
8.0
4.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

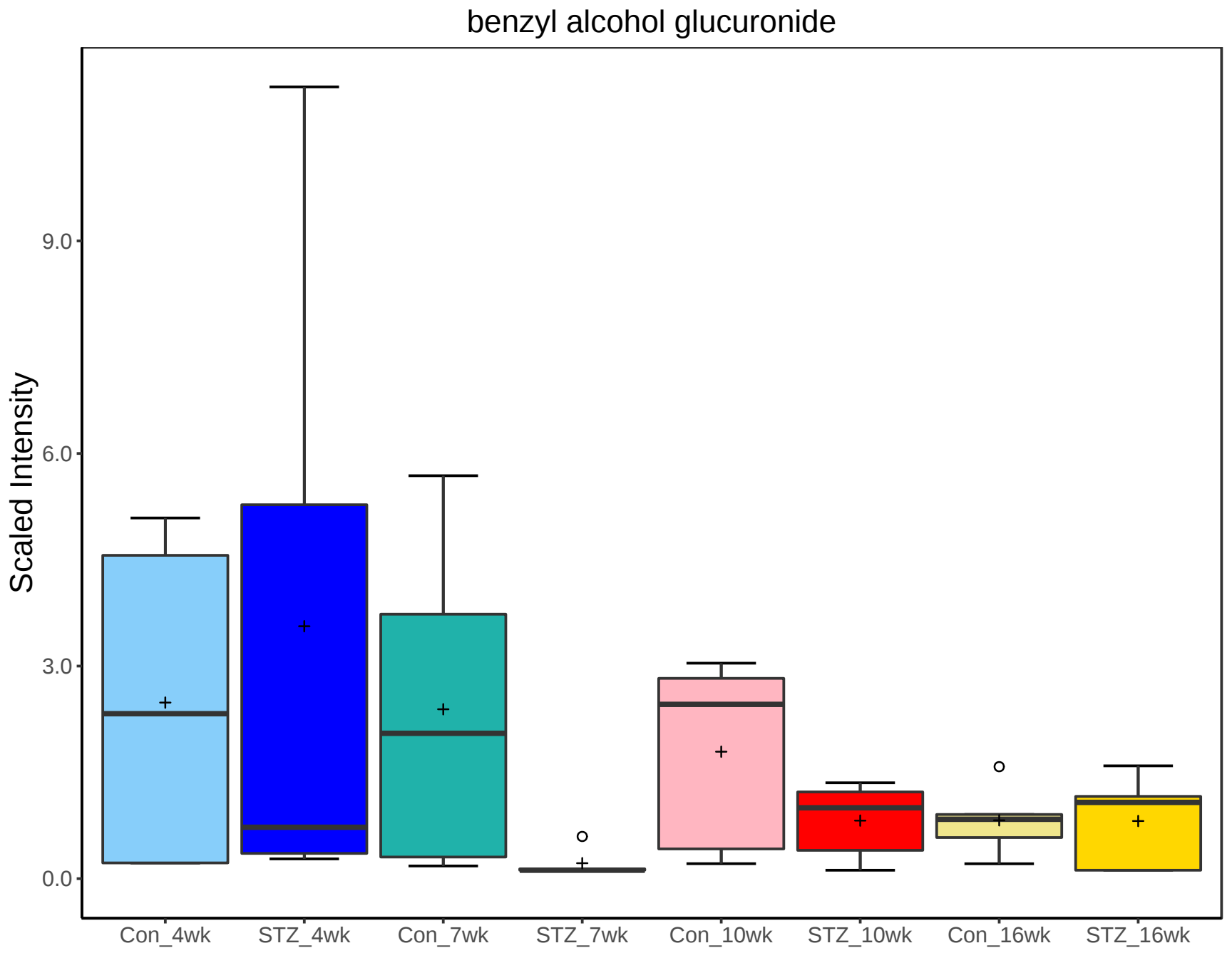

4-allylphenol sulfate
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

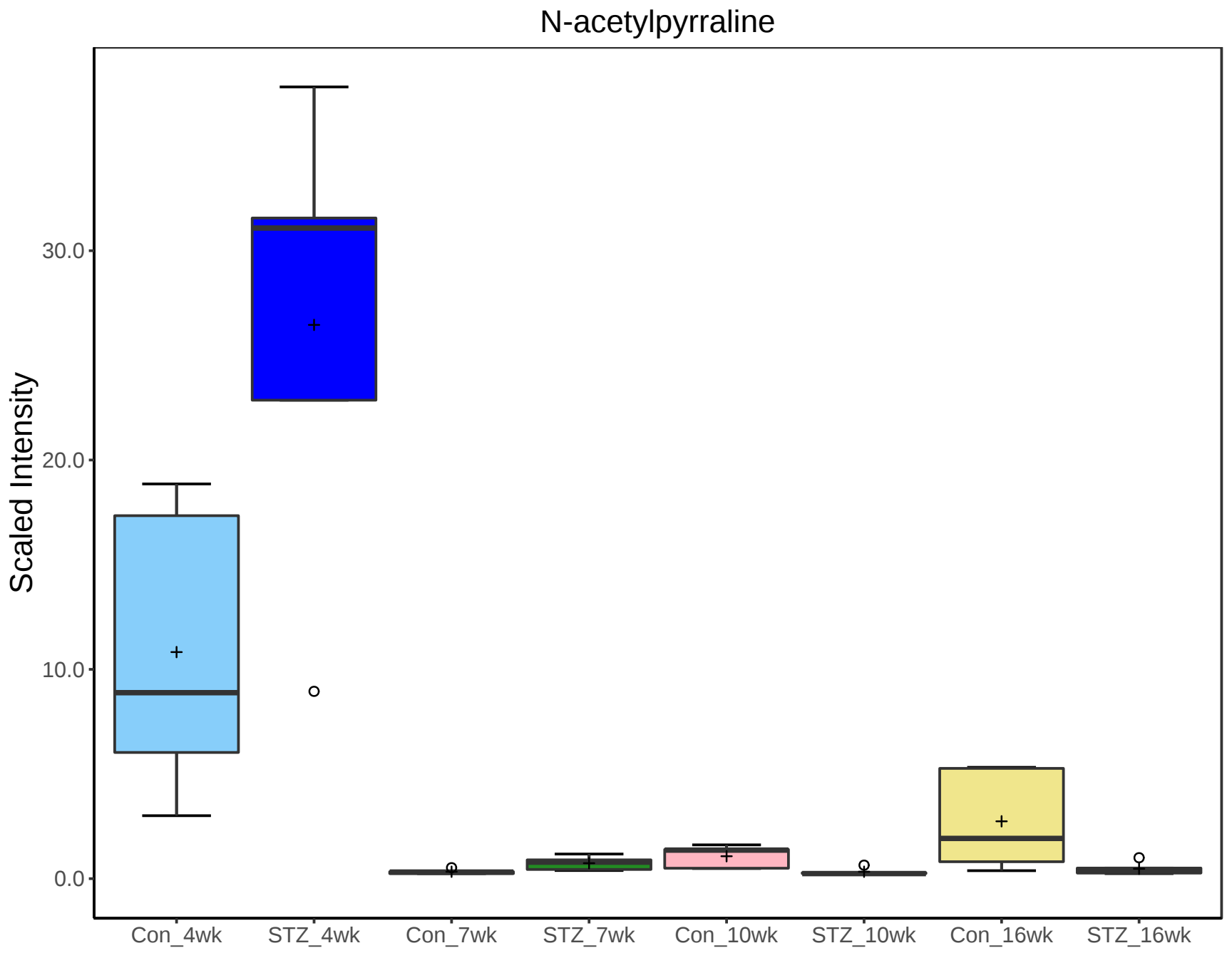

methyl glucopyranoside (alpha + beta)
Scaled Intensity
600.0
400.0
200.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

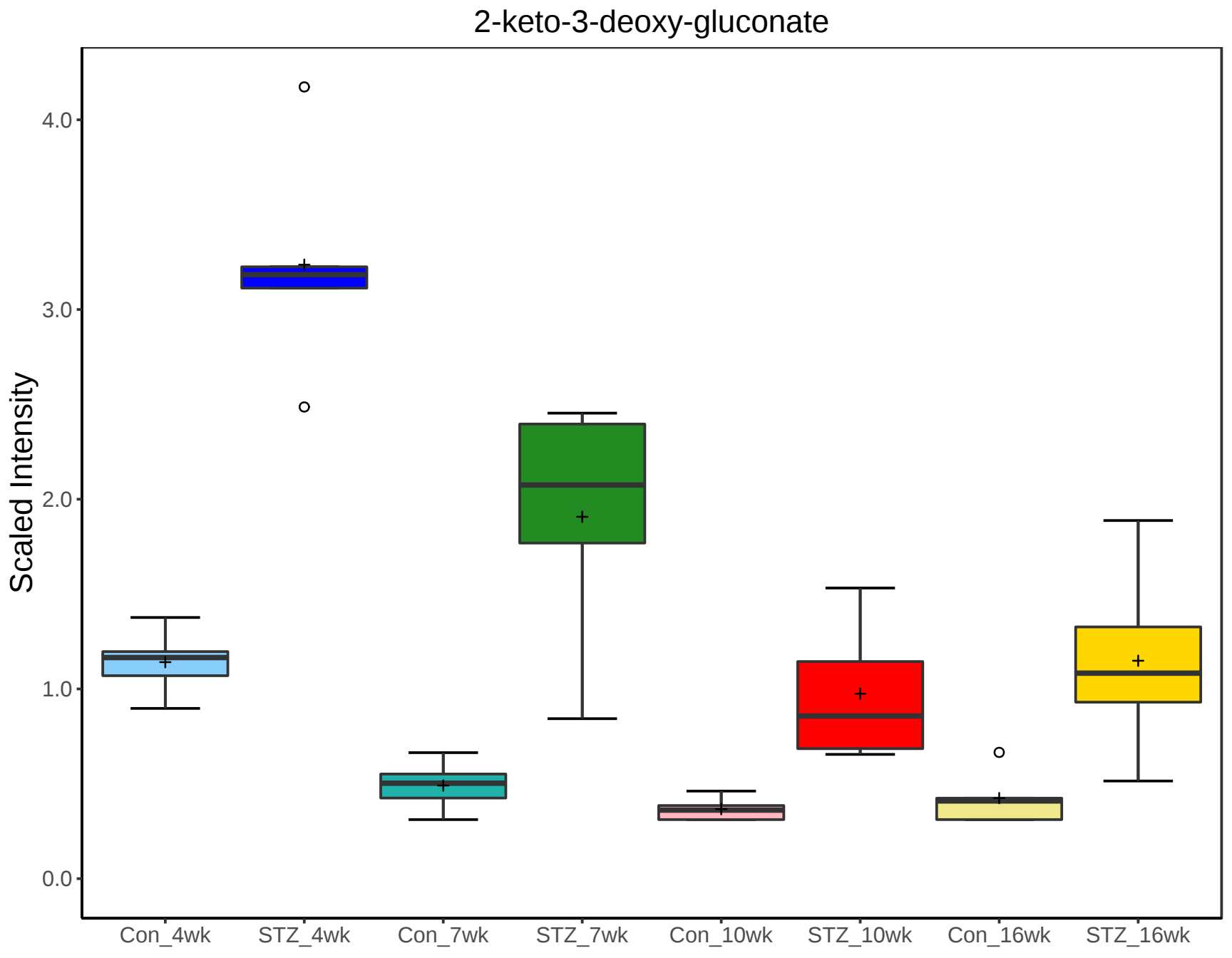

4-vinylguaiacol sulfate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

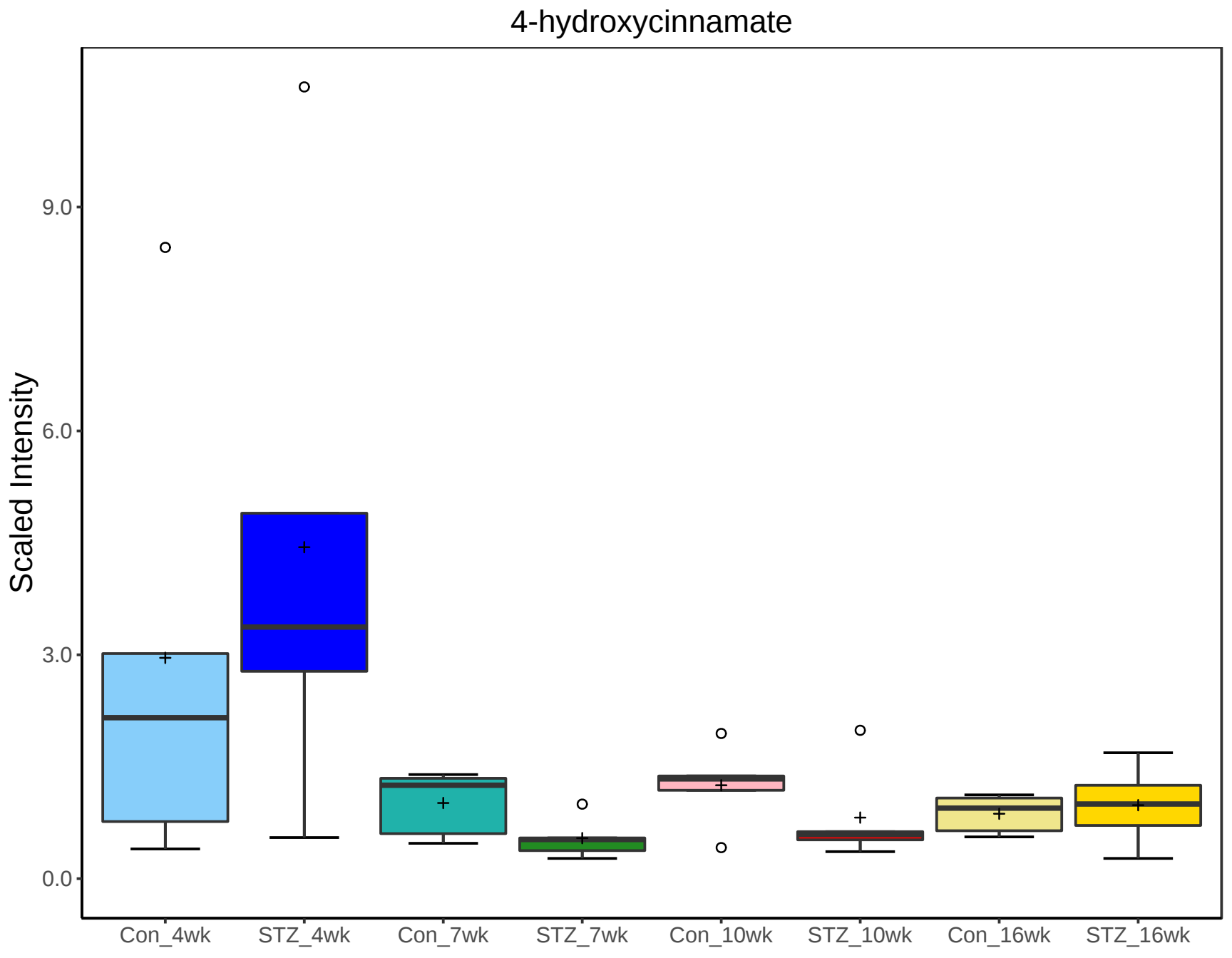

pyrraline
Scaled Intensity
12.0
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

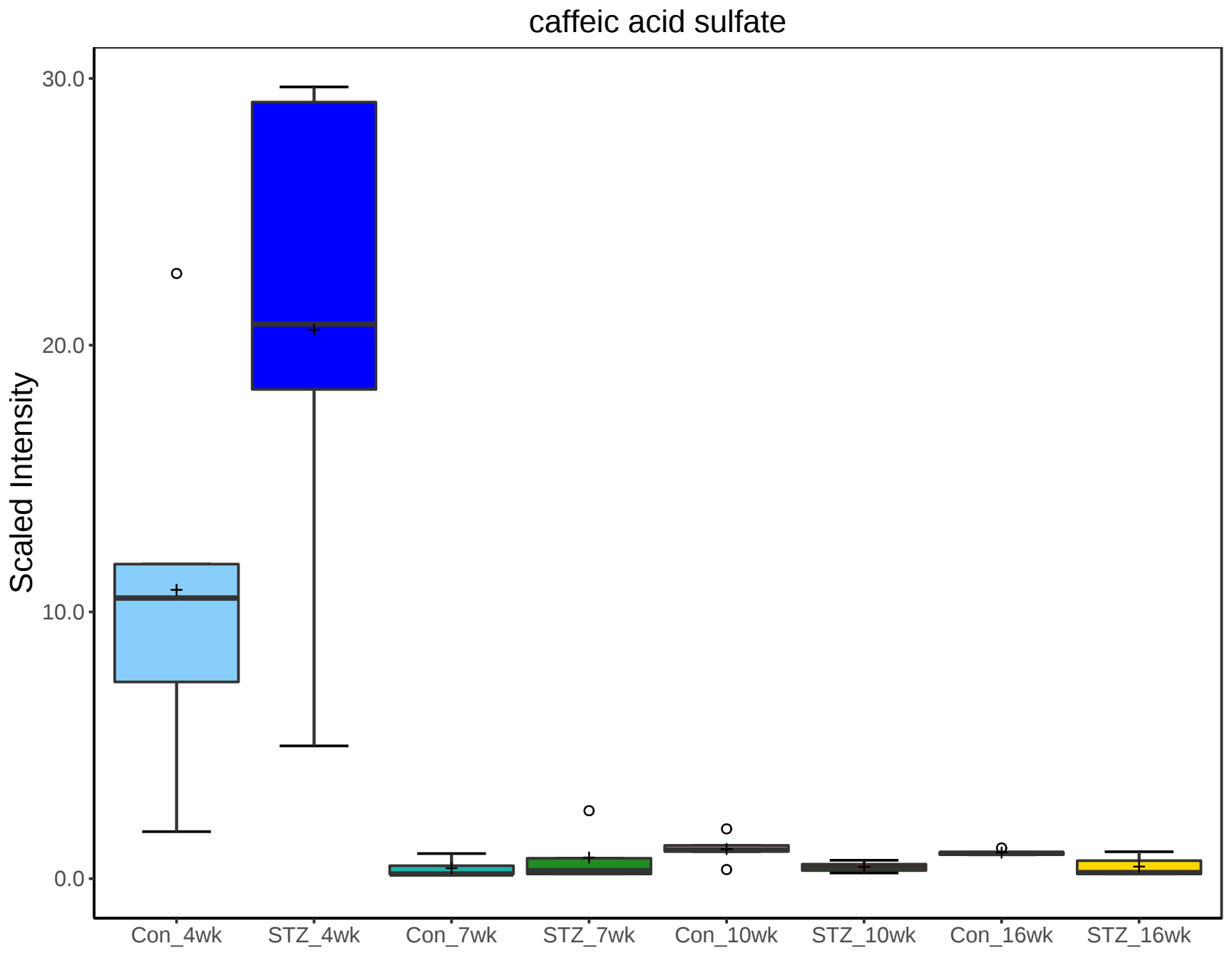

daidzein sulfate (2)
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

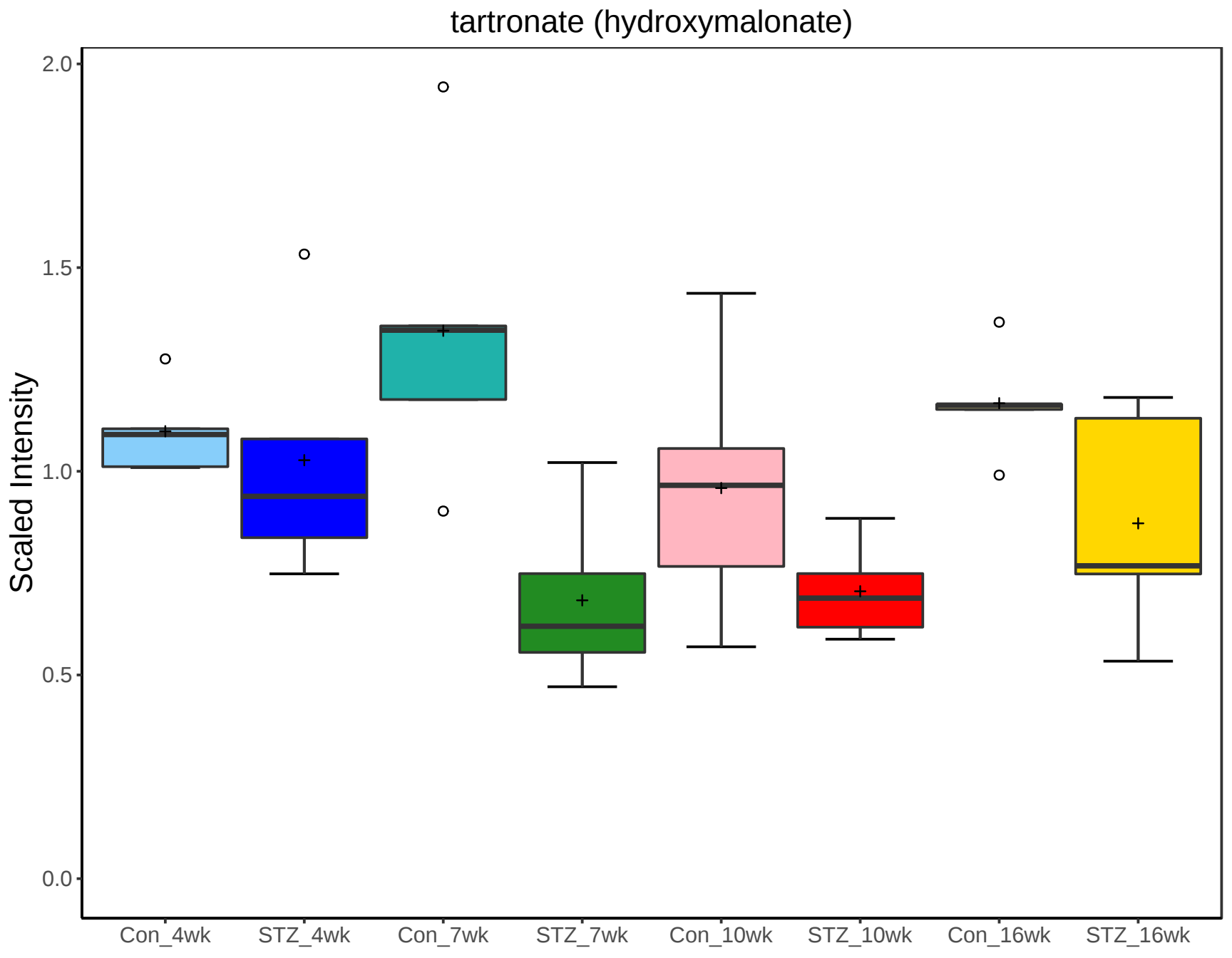

benzyl alcohol glucuronide
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

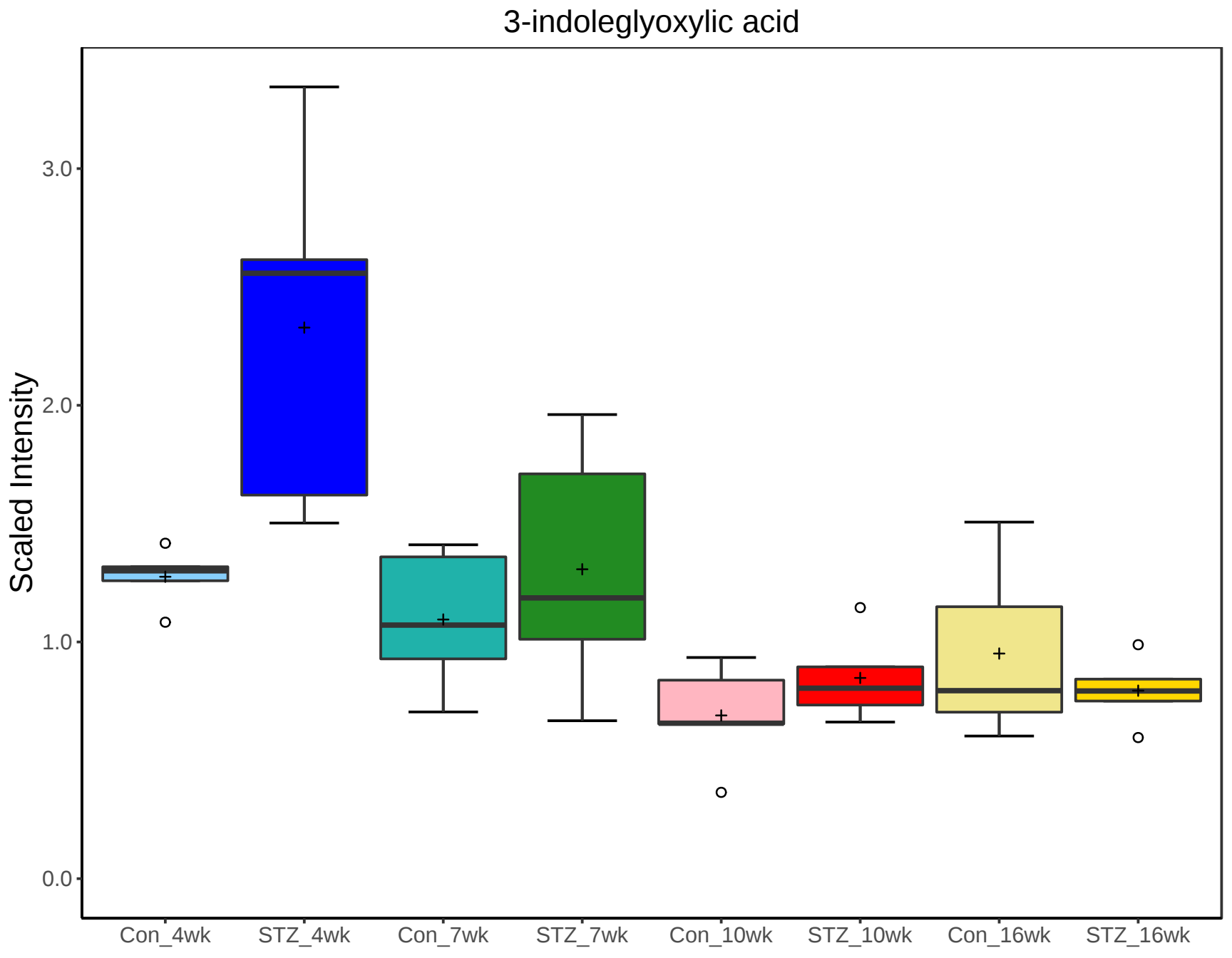

N-acetylpyrraline
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

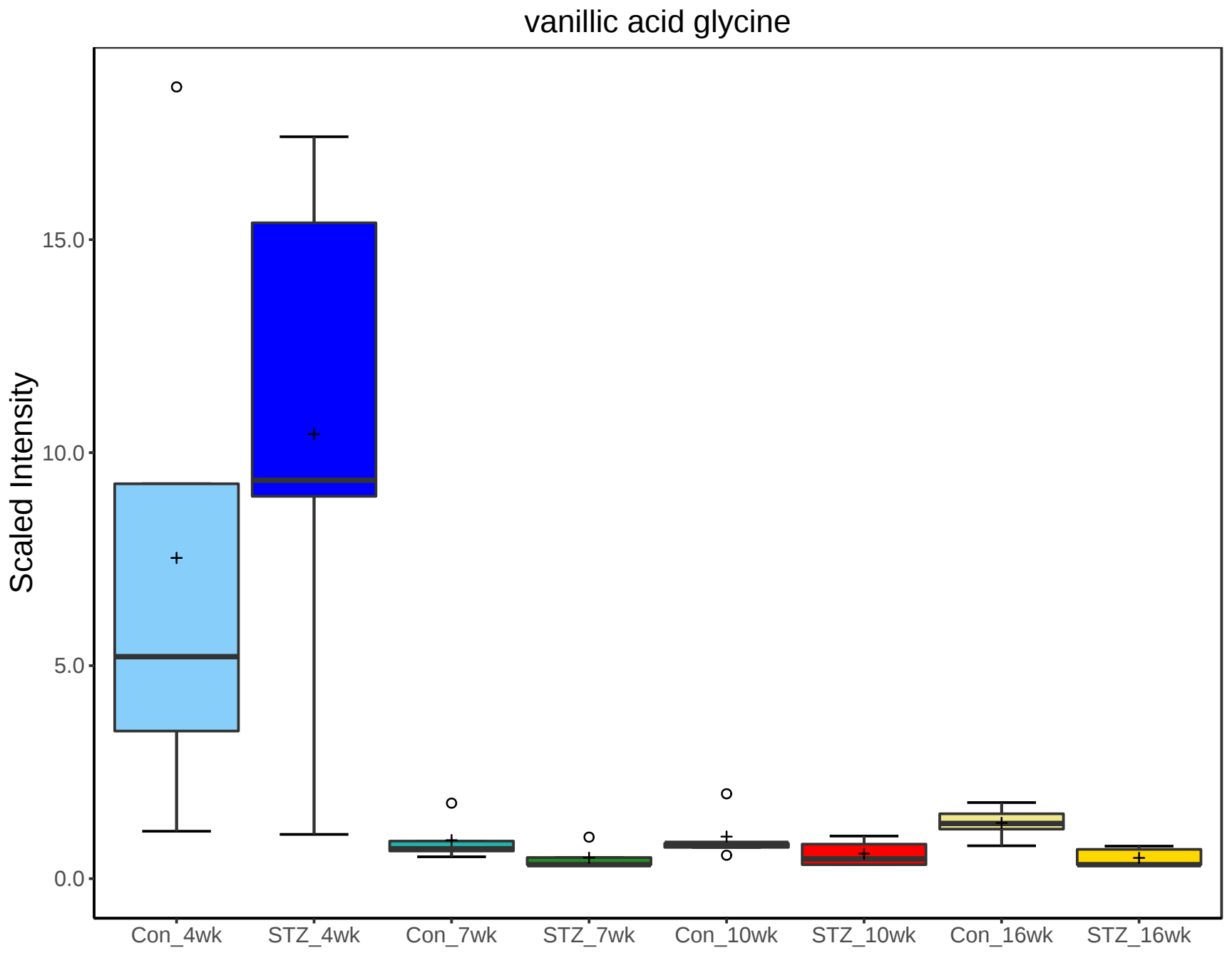

2-keto-3-deoxy-gluconate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

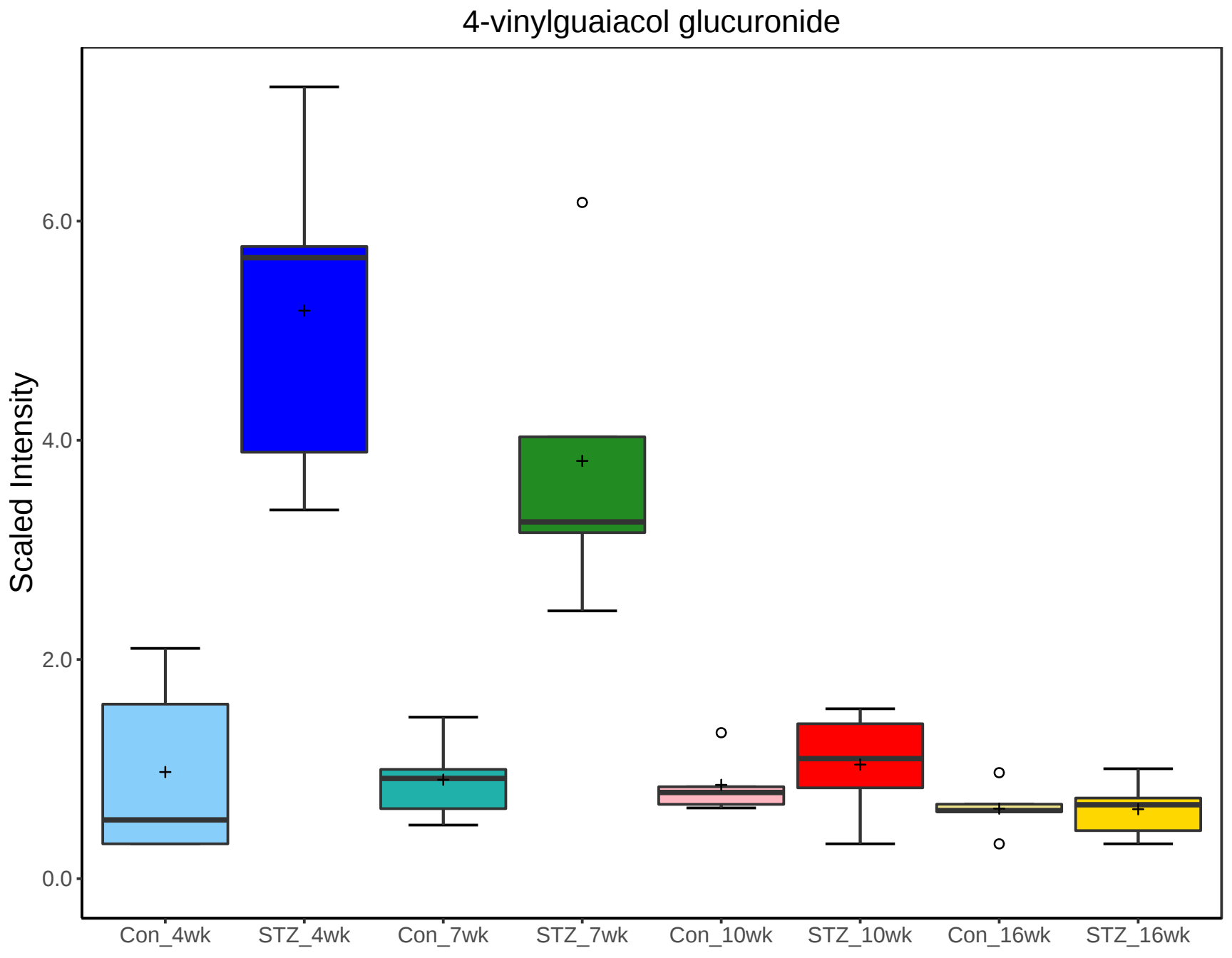

4-hydroxycinnamate
Scaled Intensity
9.0
6.0
3.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

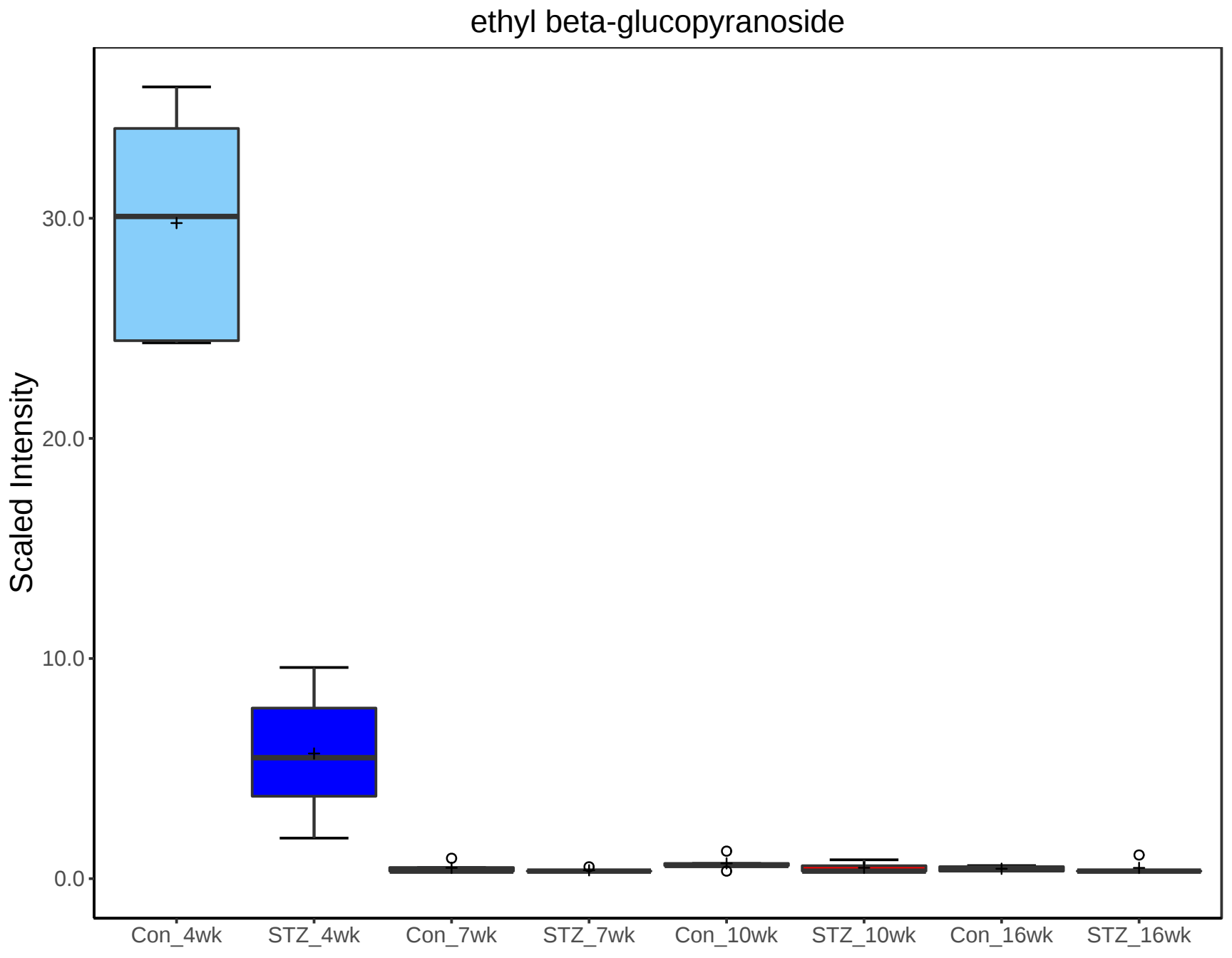

caffeic acid sulfate
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

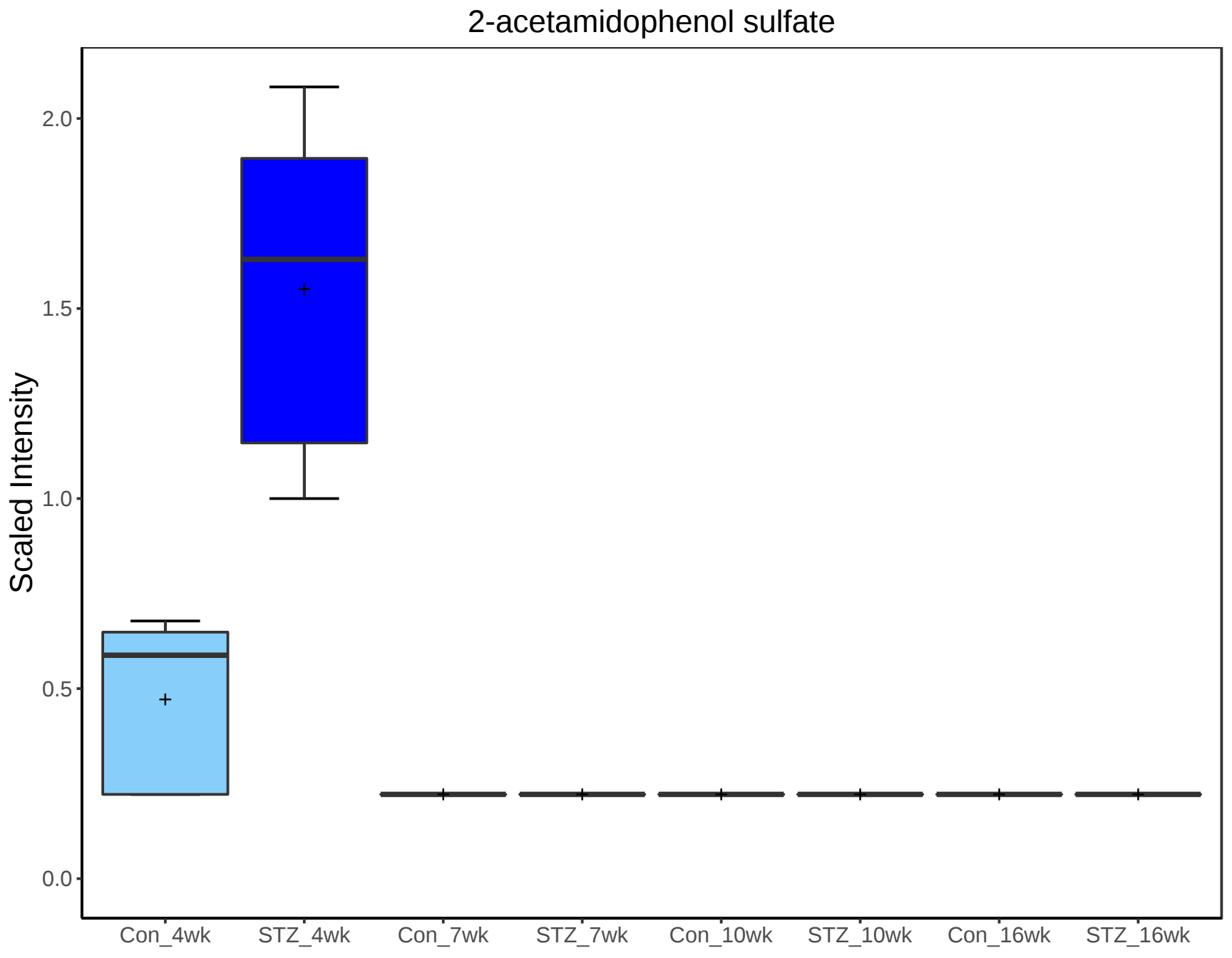

tartronate (hydroxymalonate)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

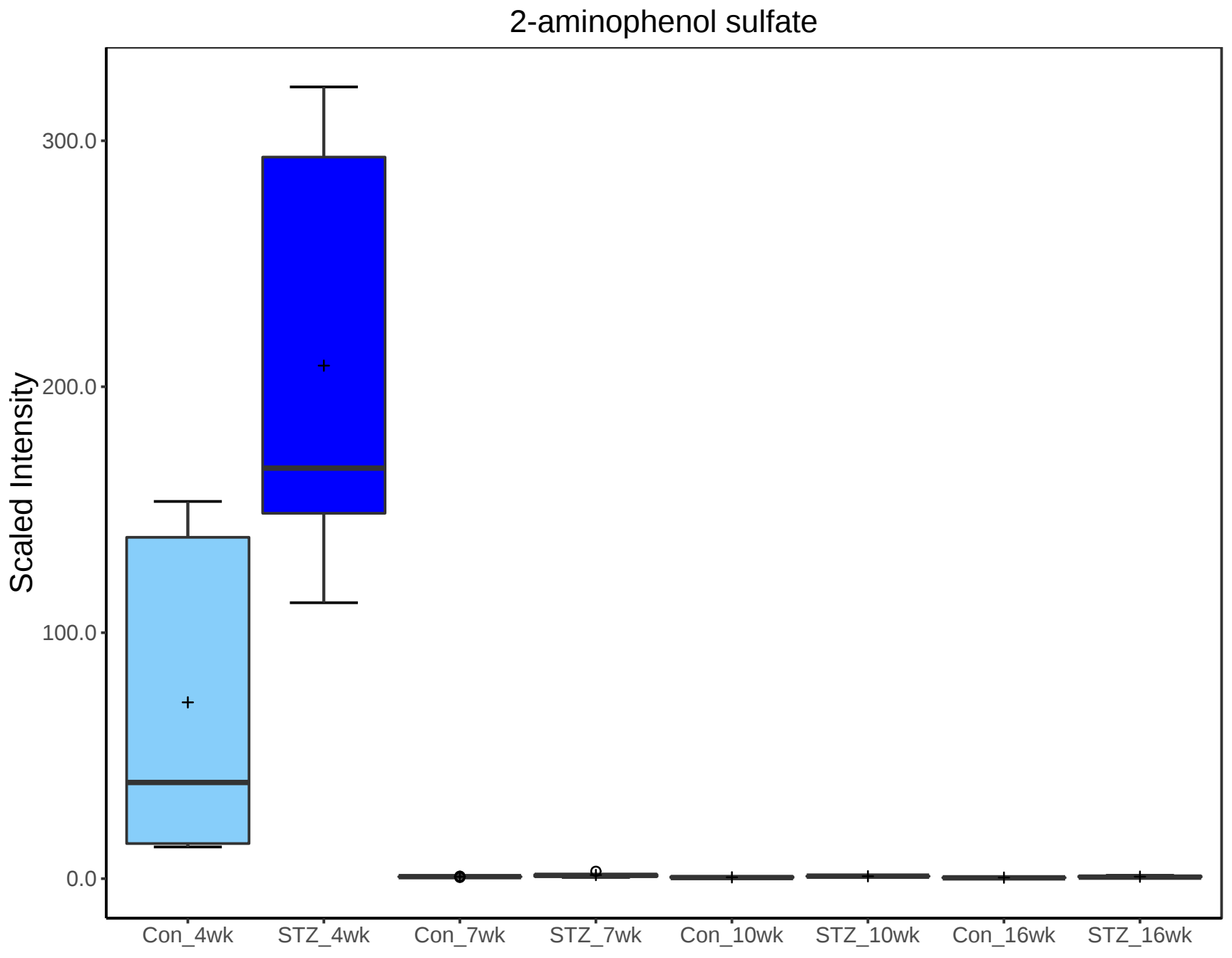

3-indoleglyoxylic acid
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

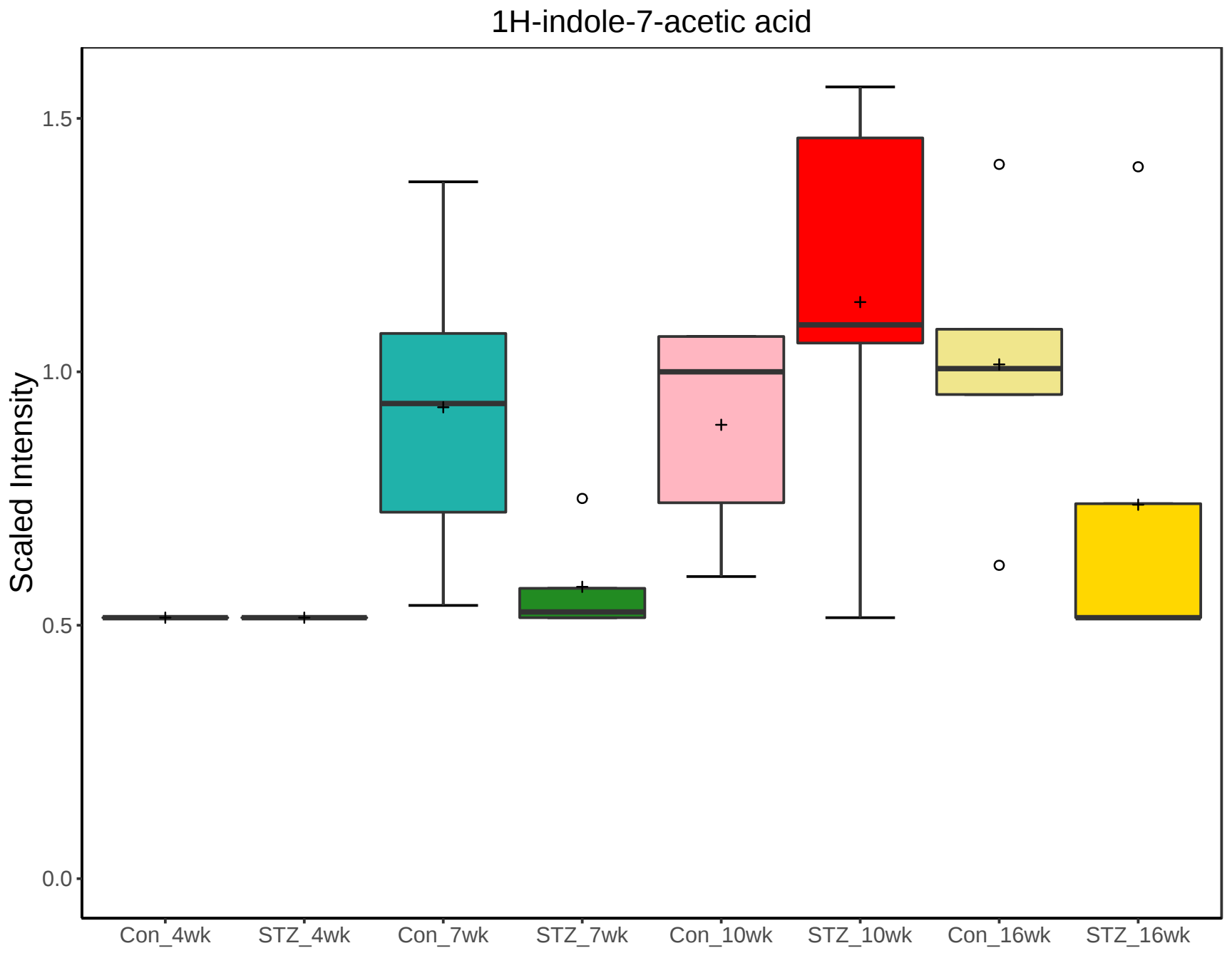

vanillic acid glycine
Scaled Intensity
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

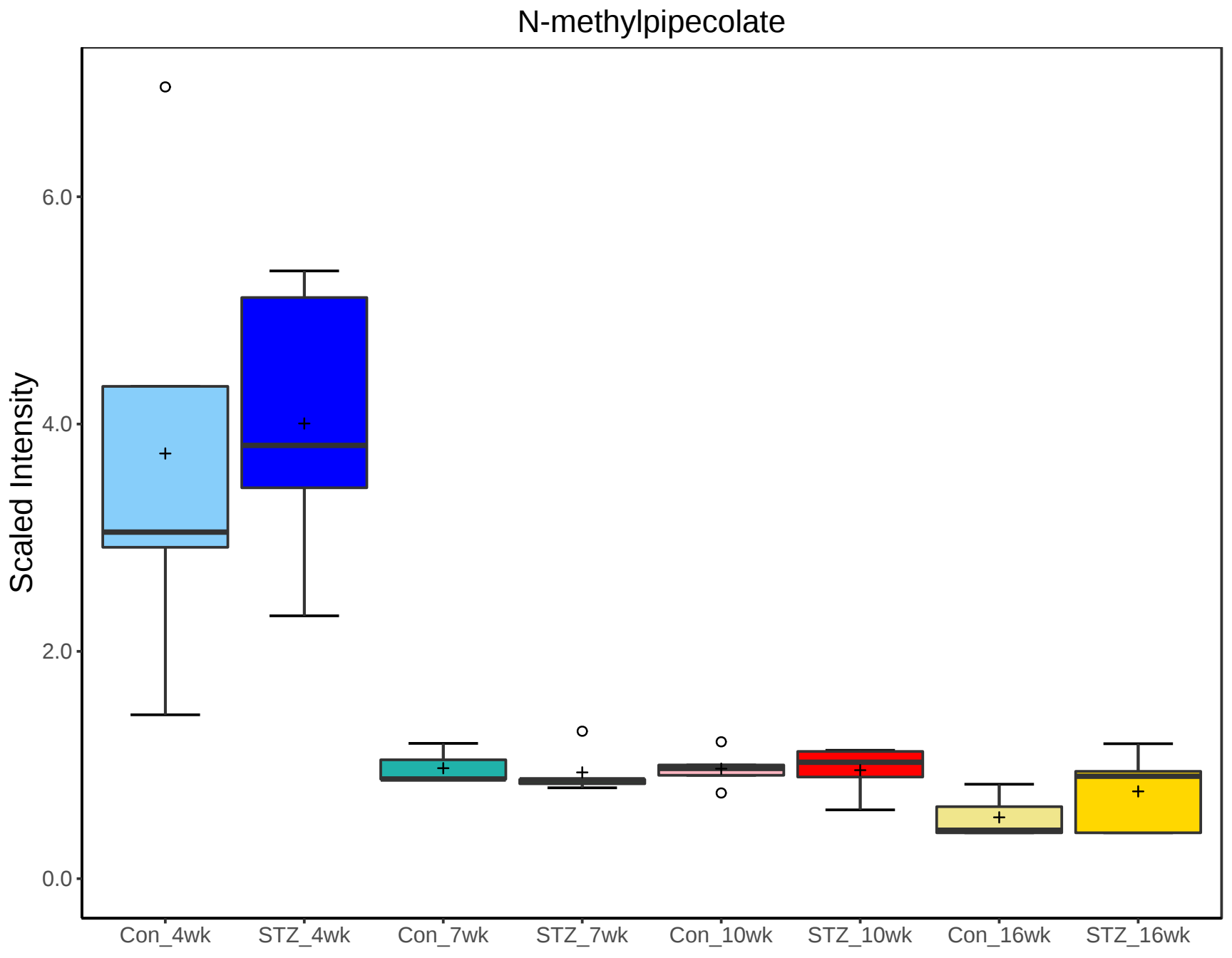

4-vinylguaiacol glucuronide
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

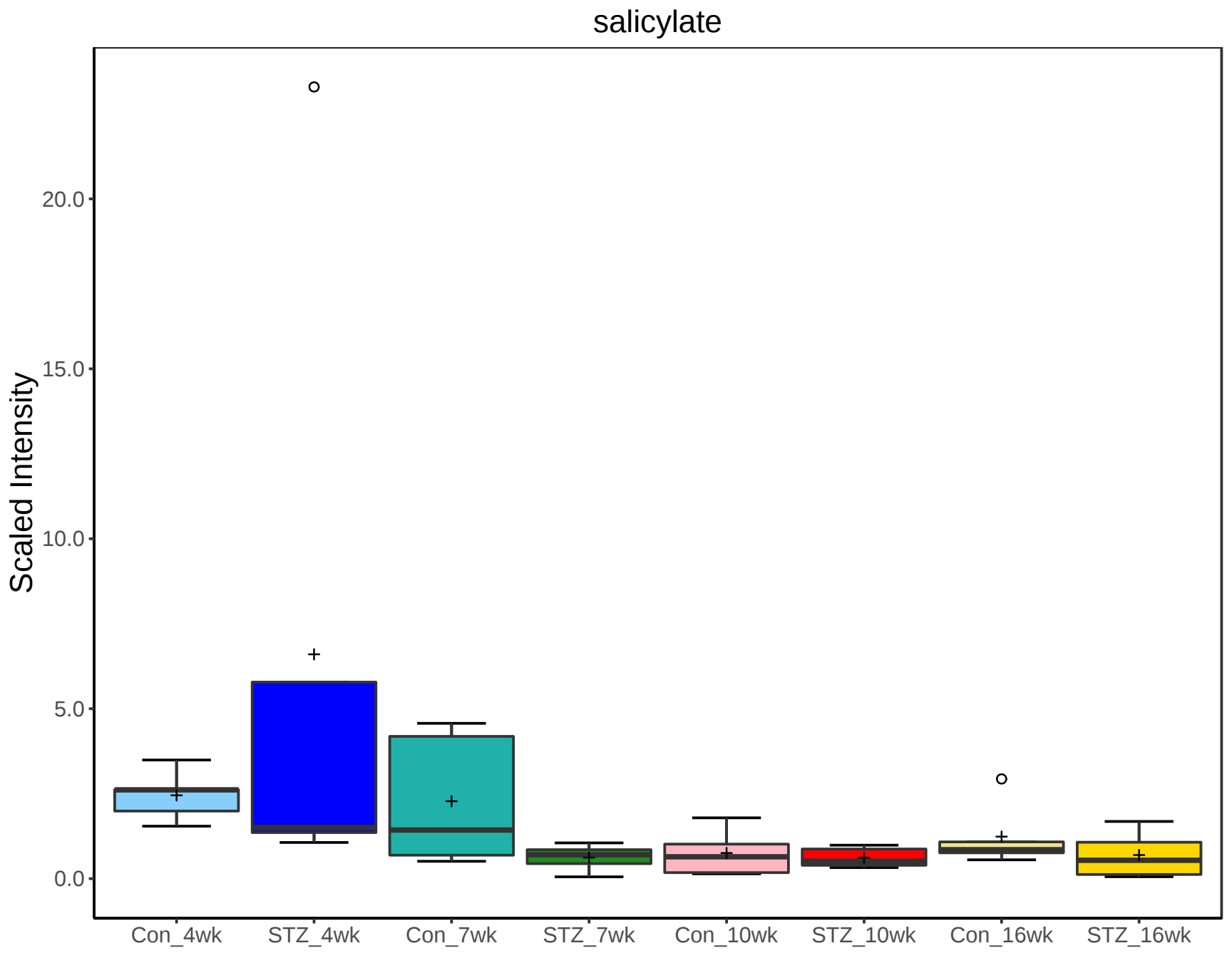

ethyl beta-glucopyranoside
Scaled Intensity
30.0
20.0
10.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

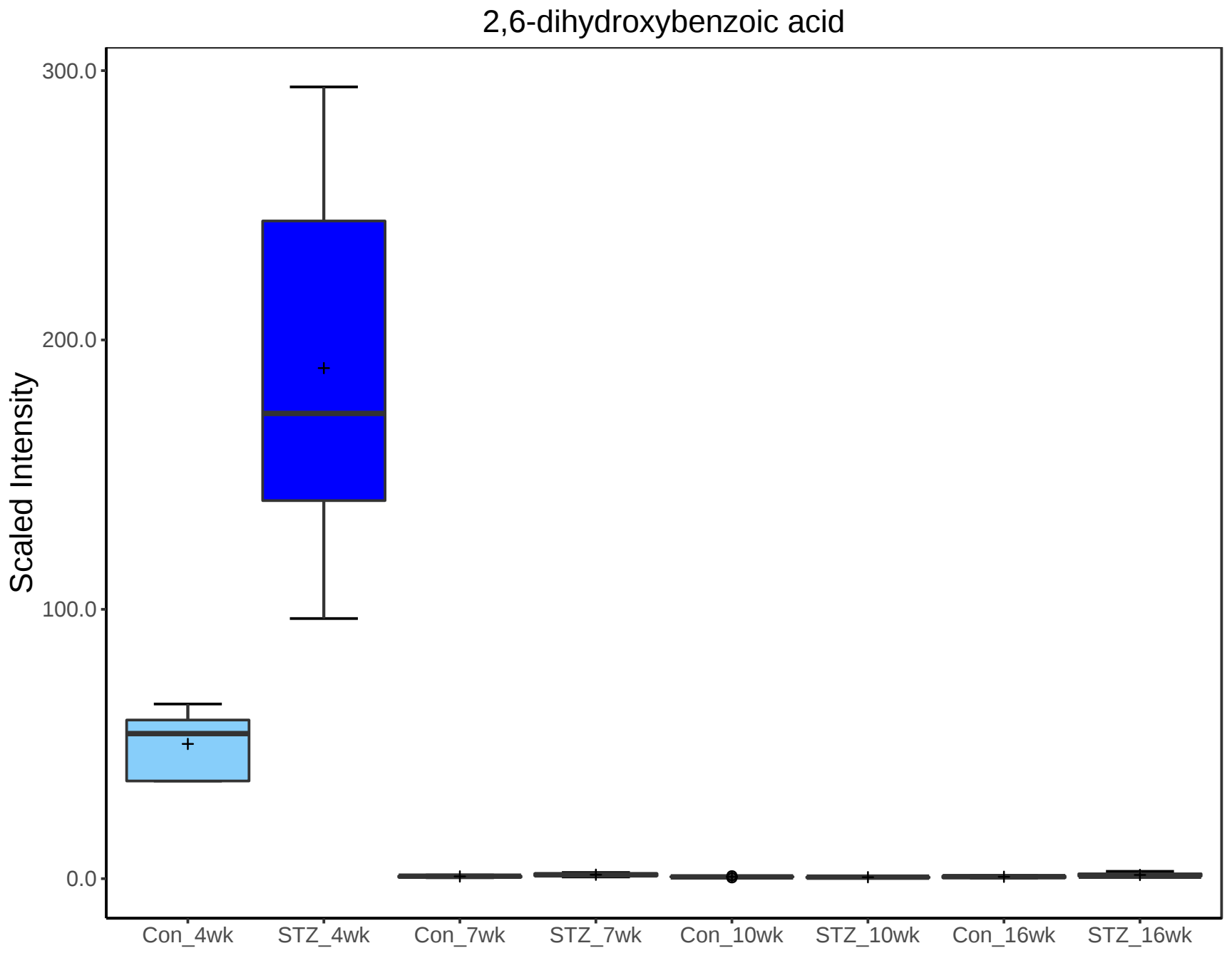

2-acetamidophenol sulfate
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

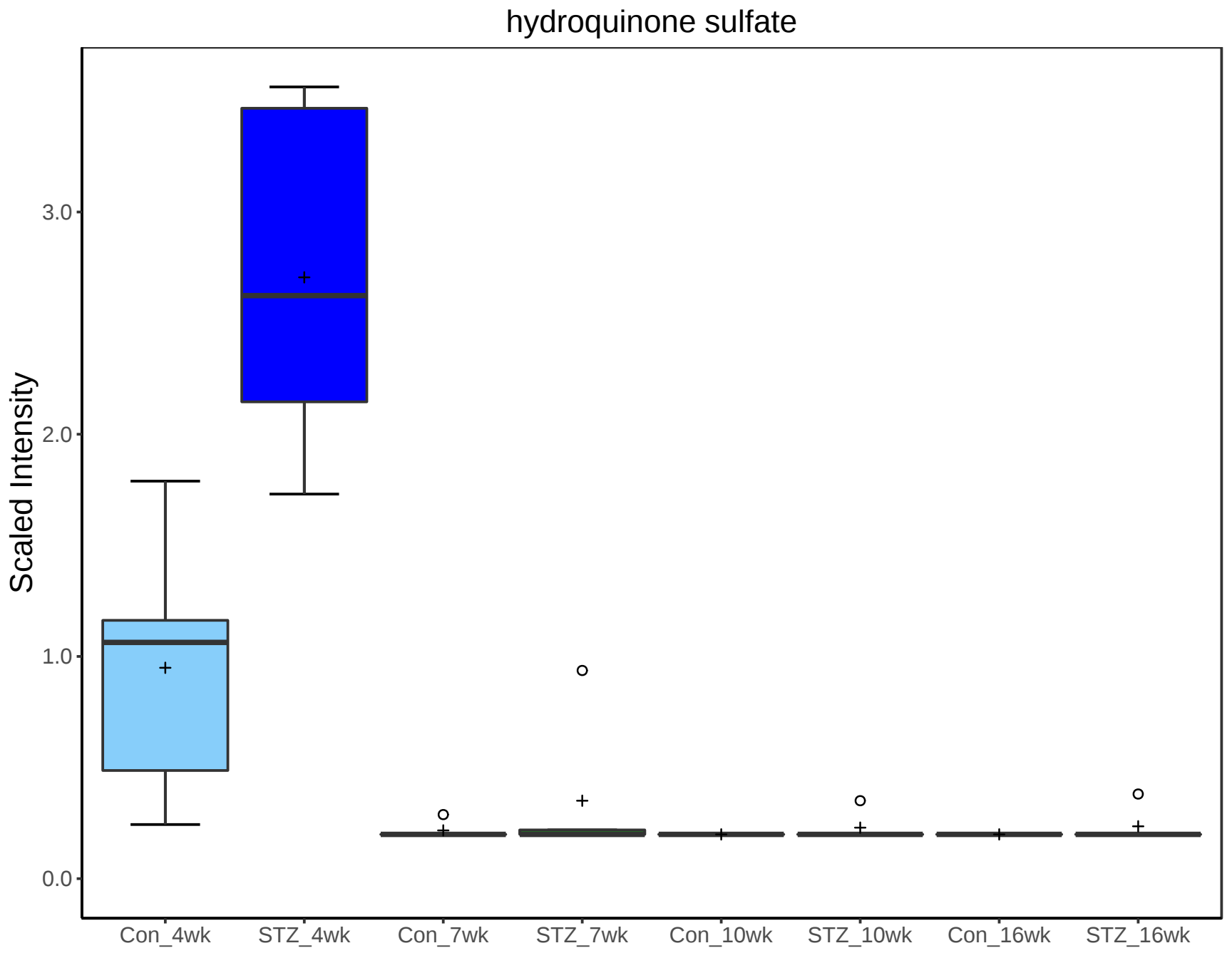

2-aminophenol sulfate
Scaled Intensity
300.0
200.0
100.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

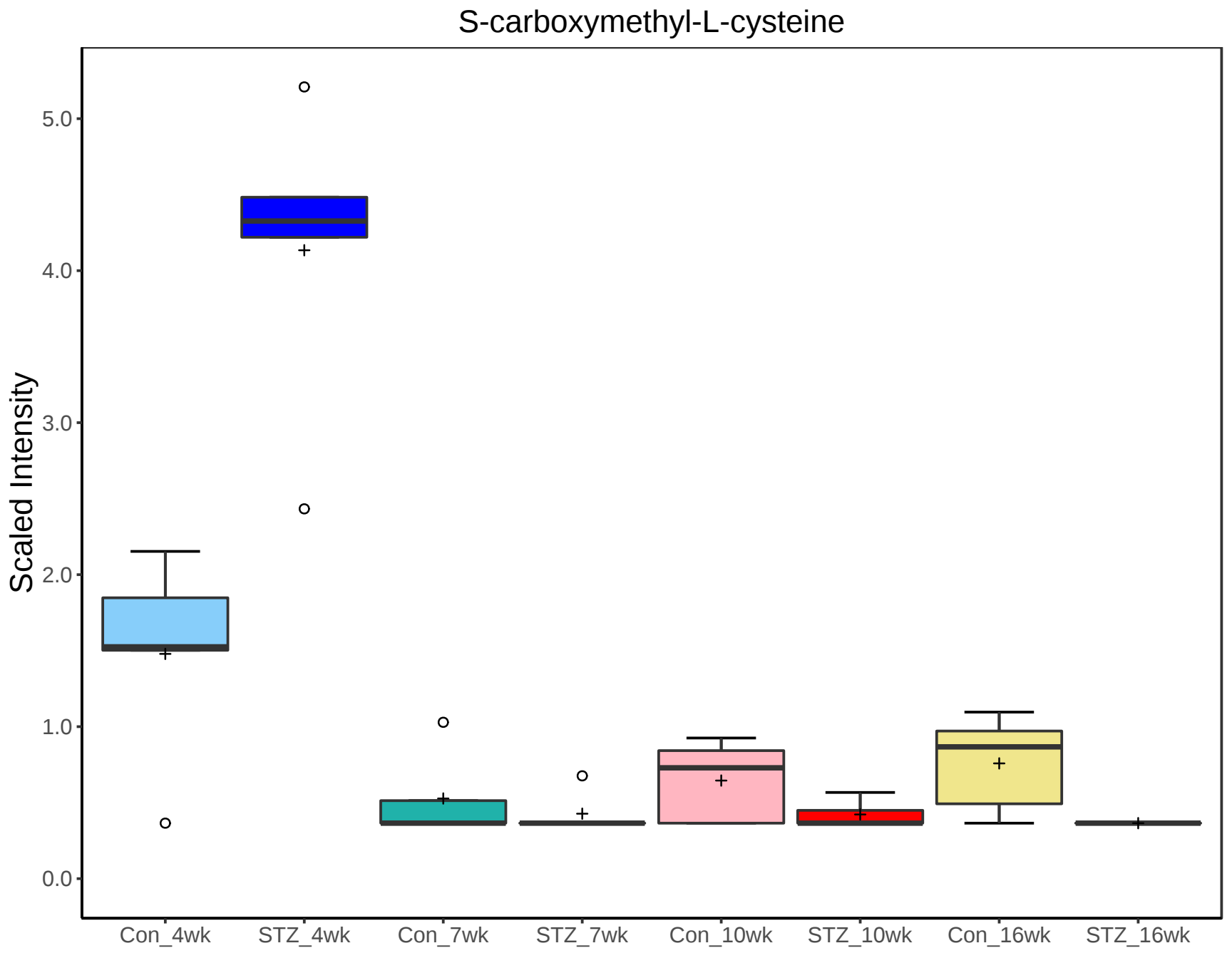

1H-indole-7-acetic acid
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

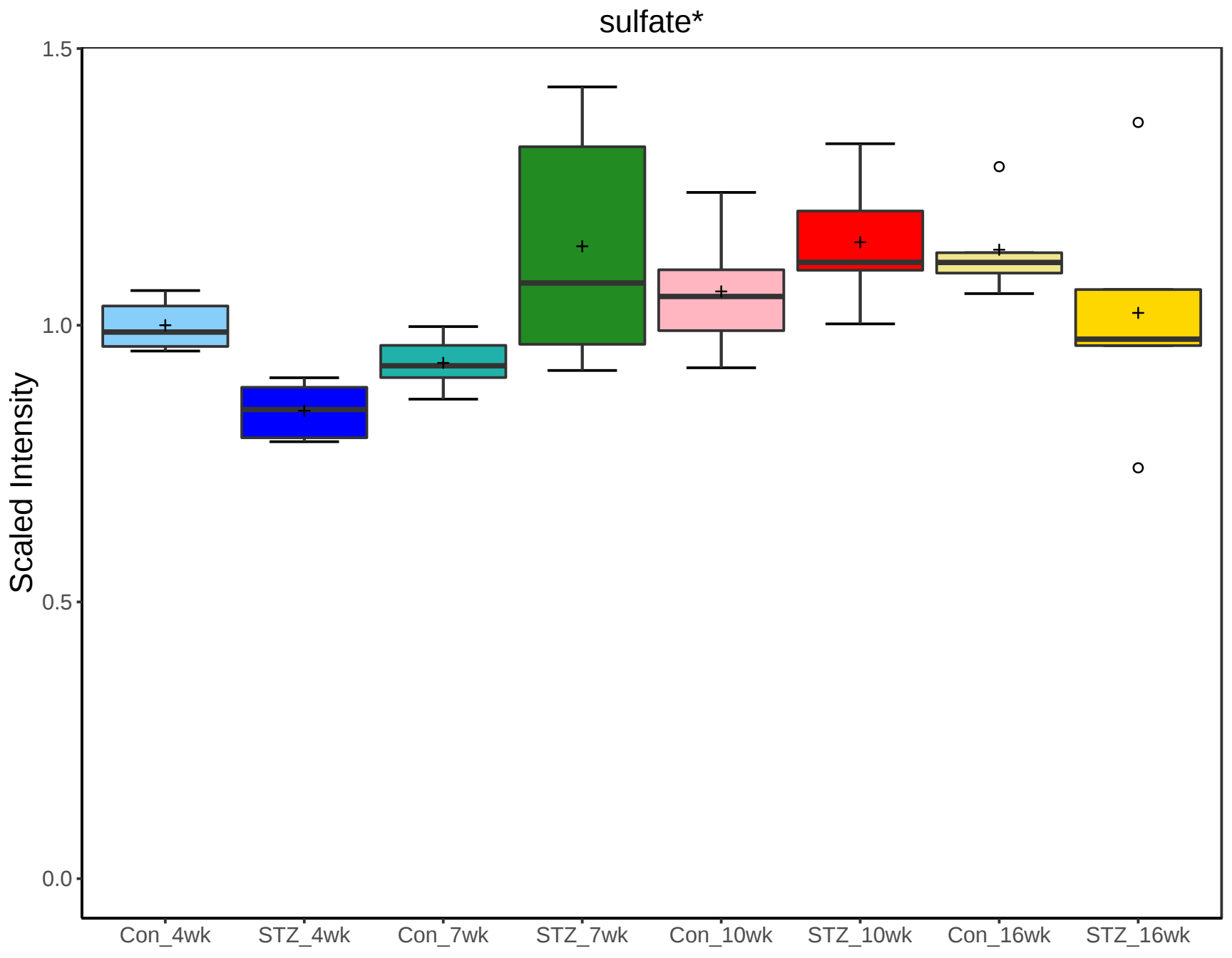

N-methylpipecolate
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

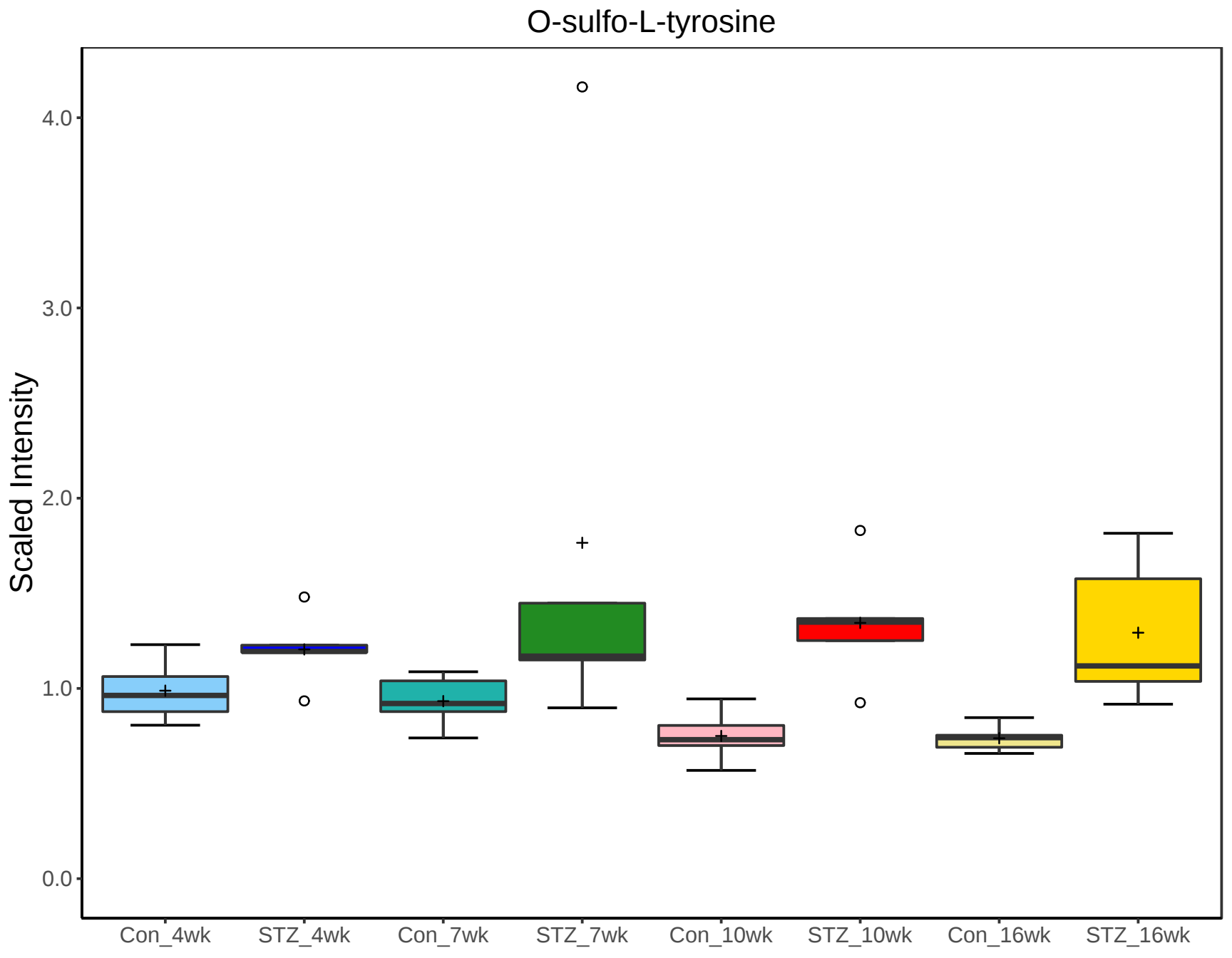

salicylate
Scaled Intensity
20.0
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

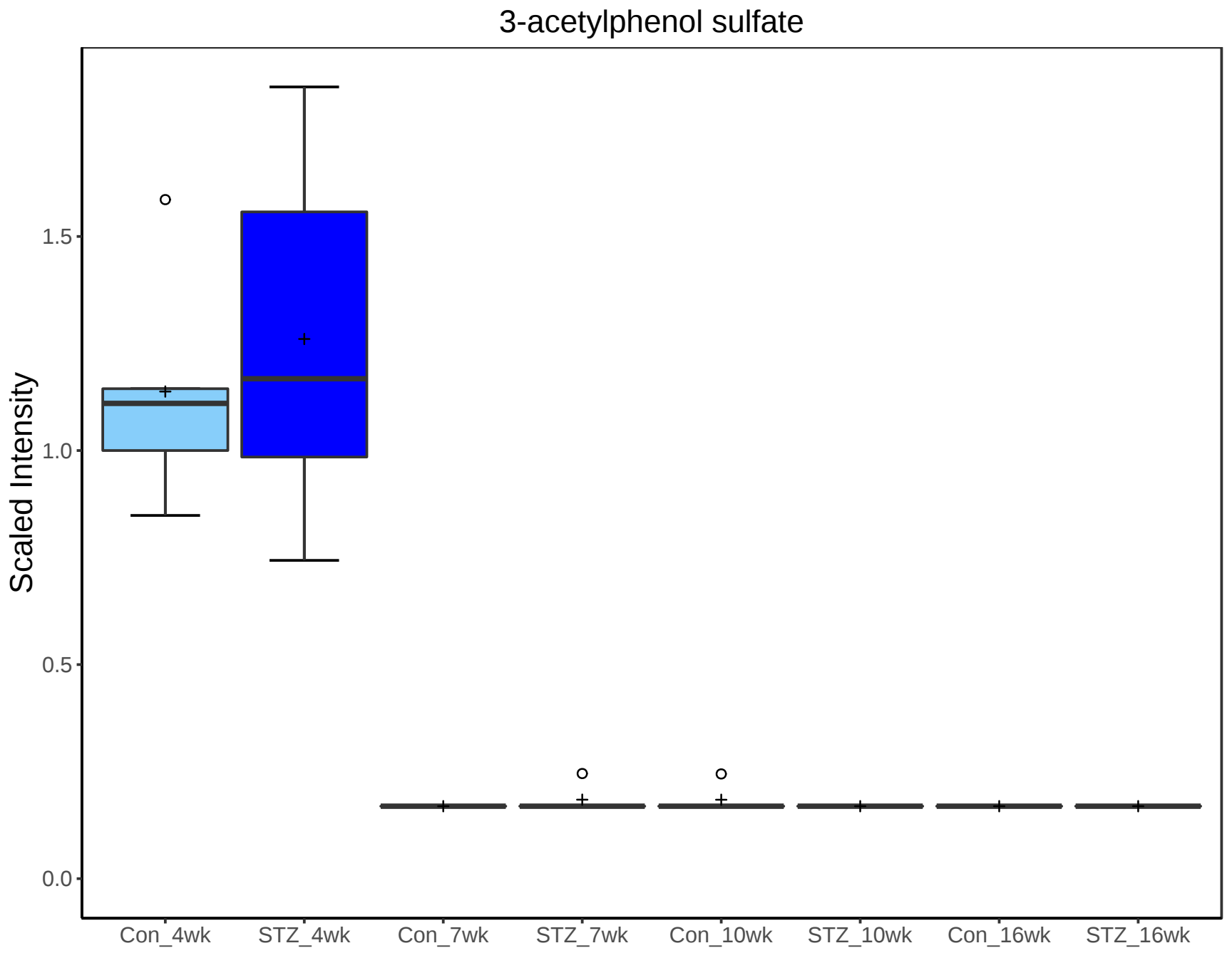

2,6-dihydroxybenzoic acid
Scaled Intensity
300.0
200.0
100.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

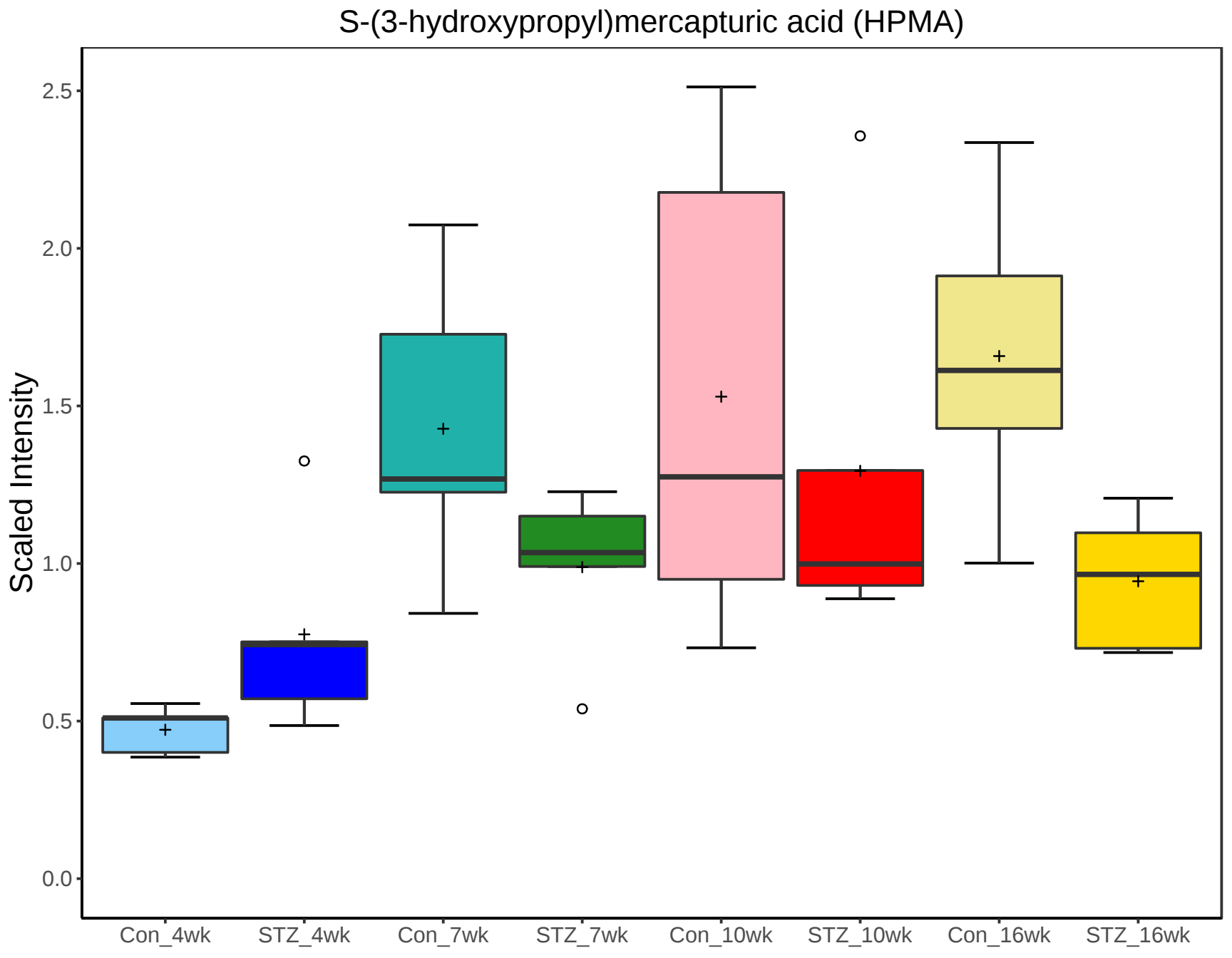

hydroquinone sulfate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

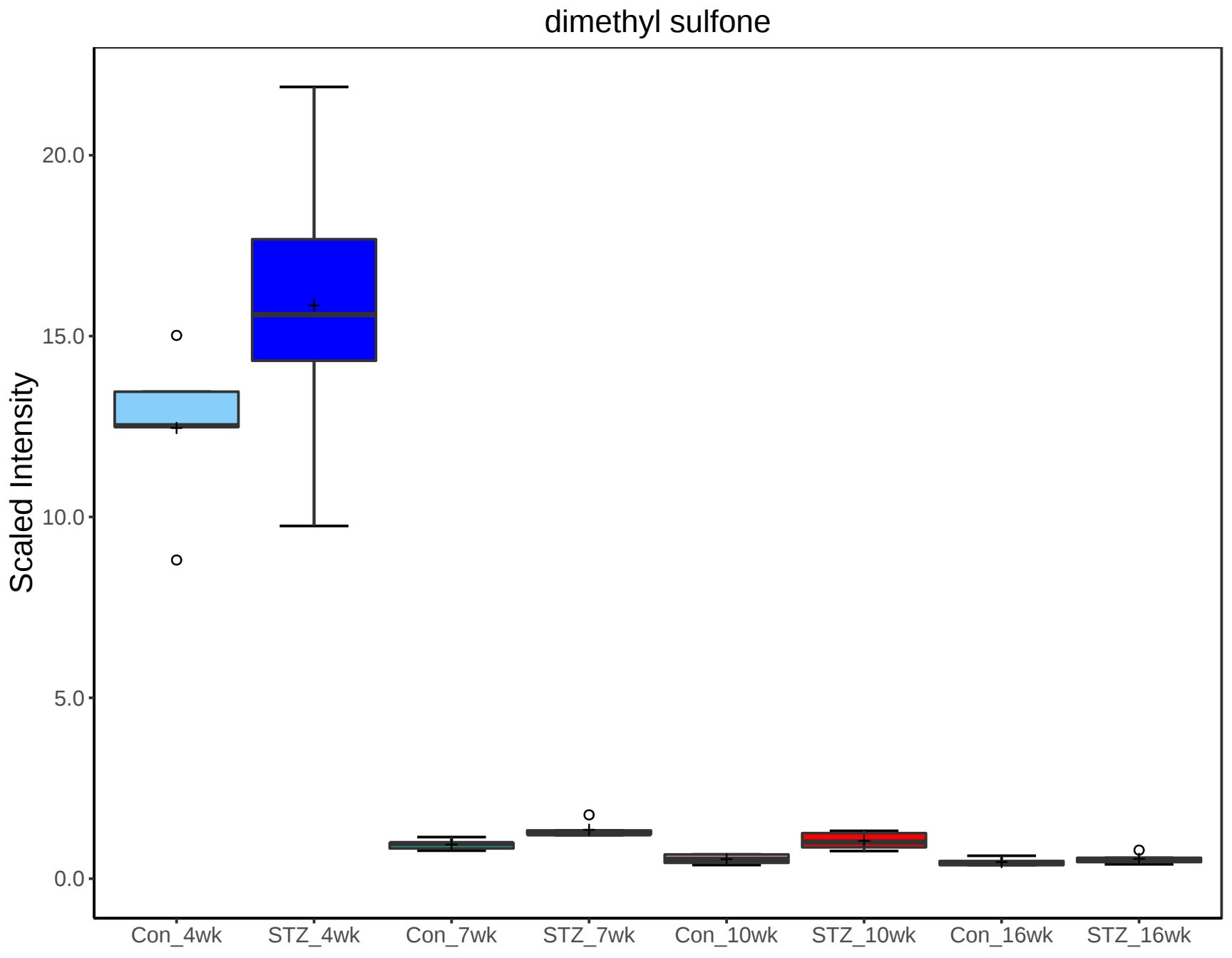

S-carboxymethyl-L-cysteine
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

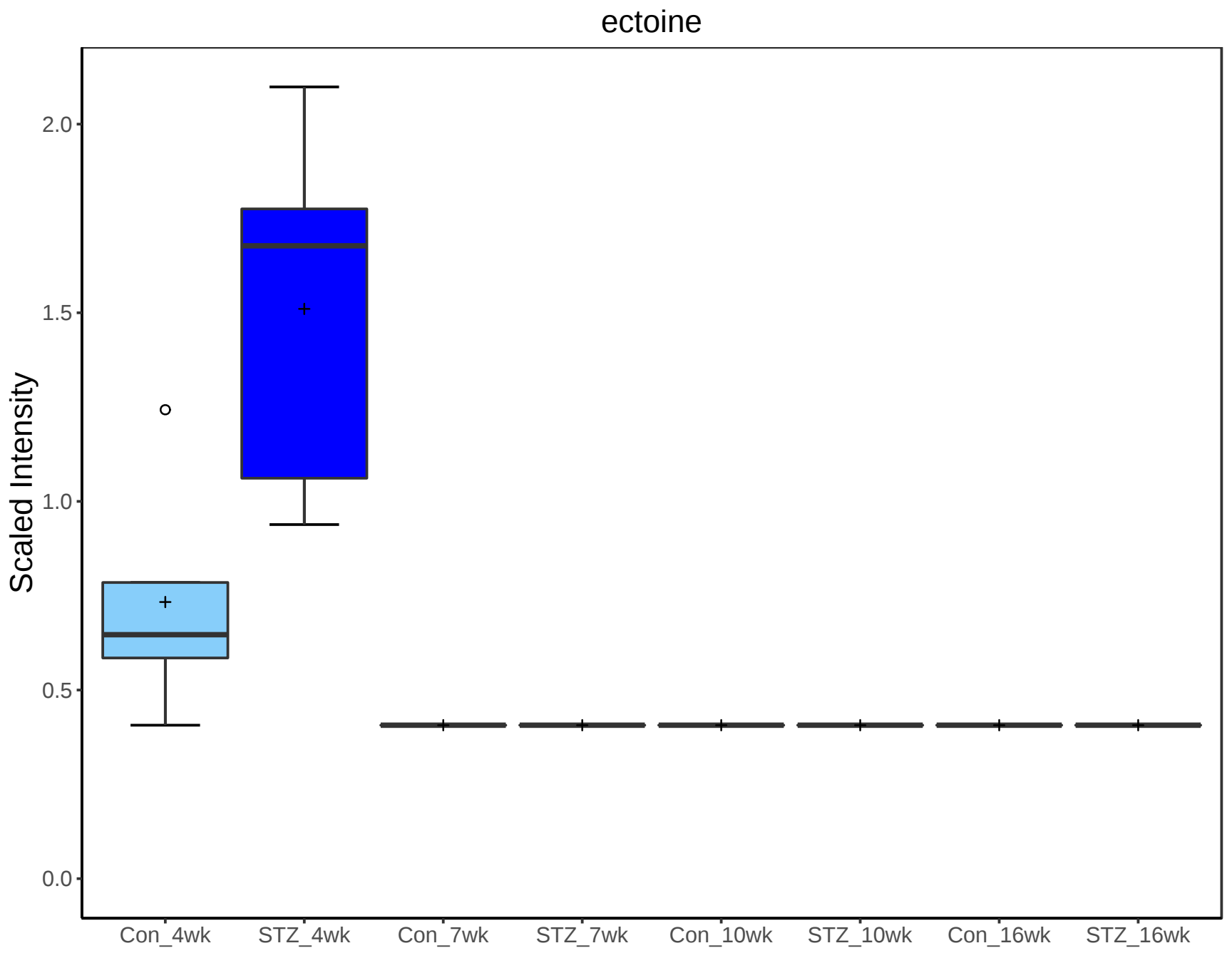

sulfate*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

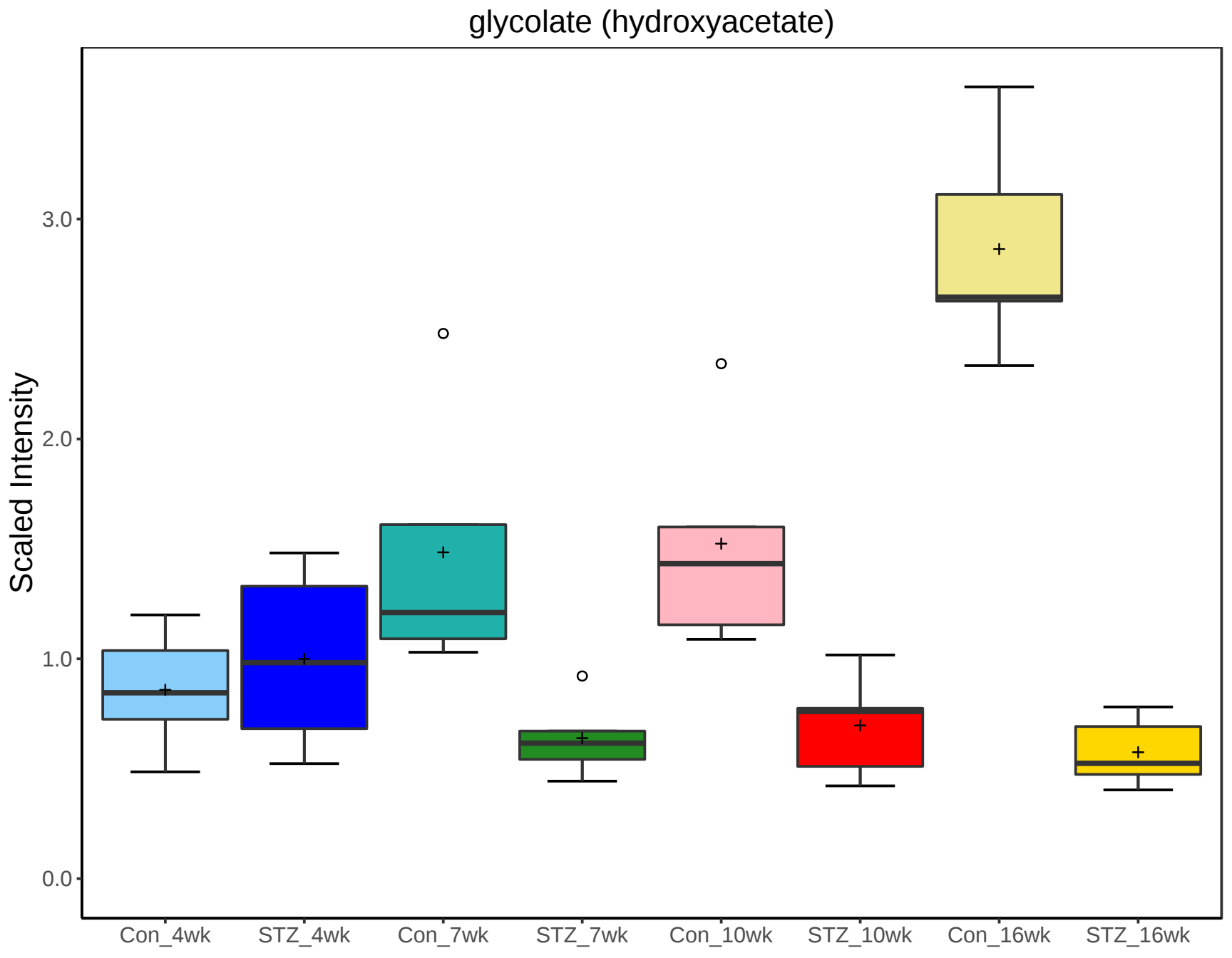

O-sulfo-L-tyrosine
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

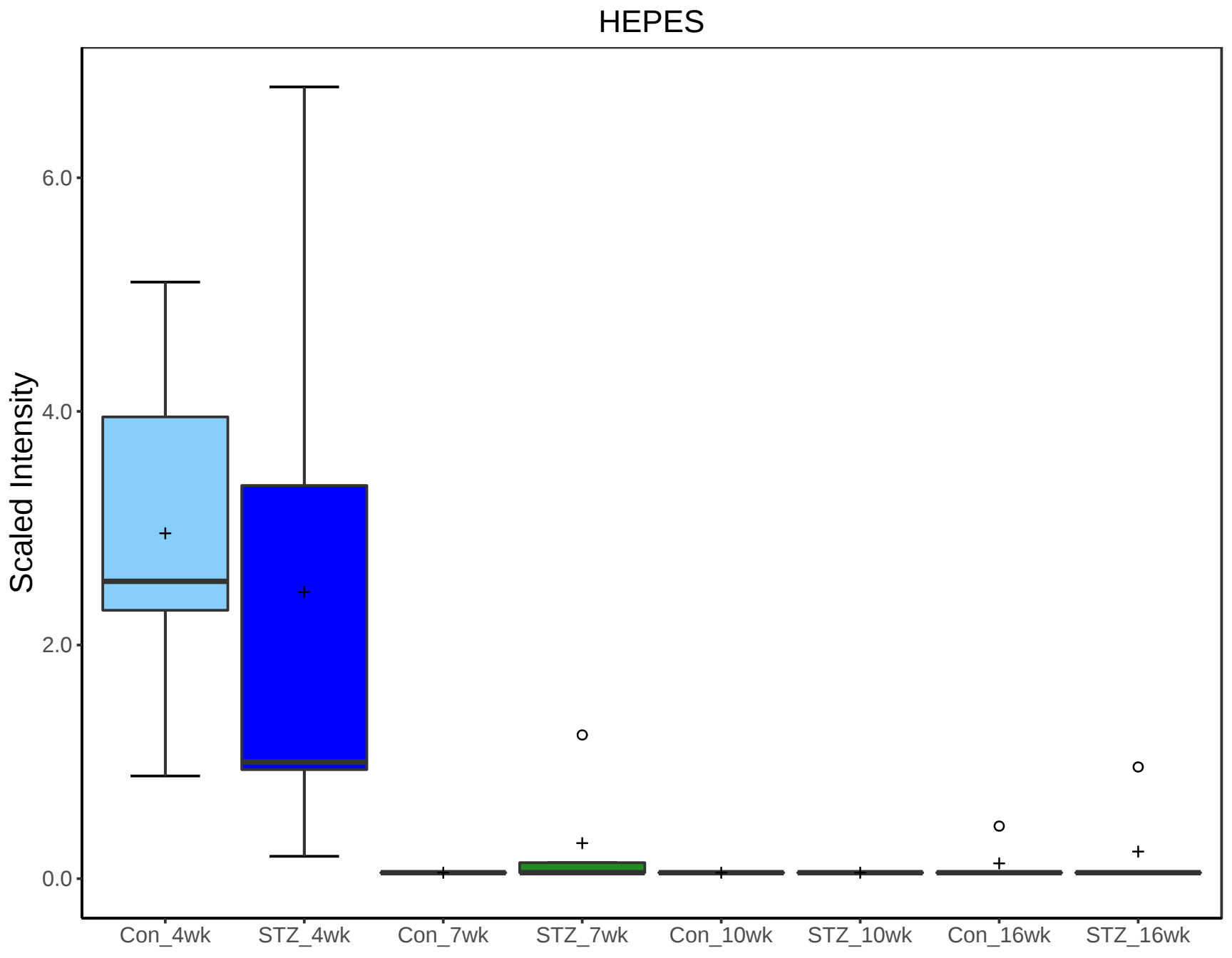

3-acetylphenol sulfate
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

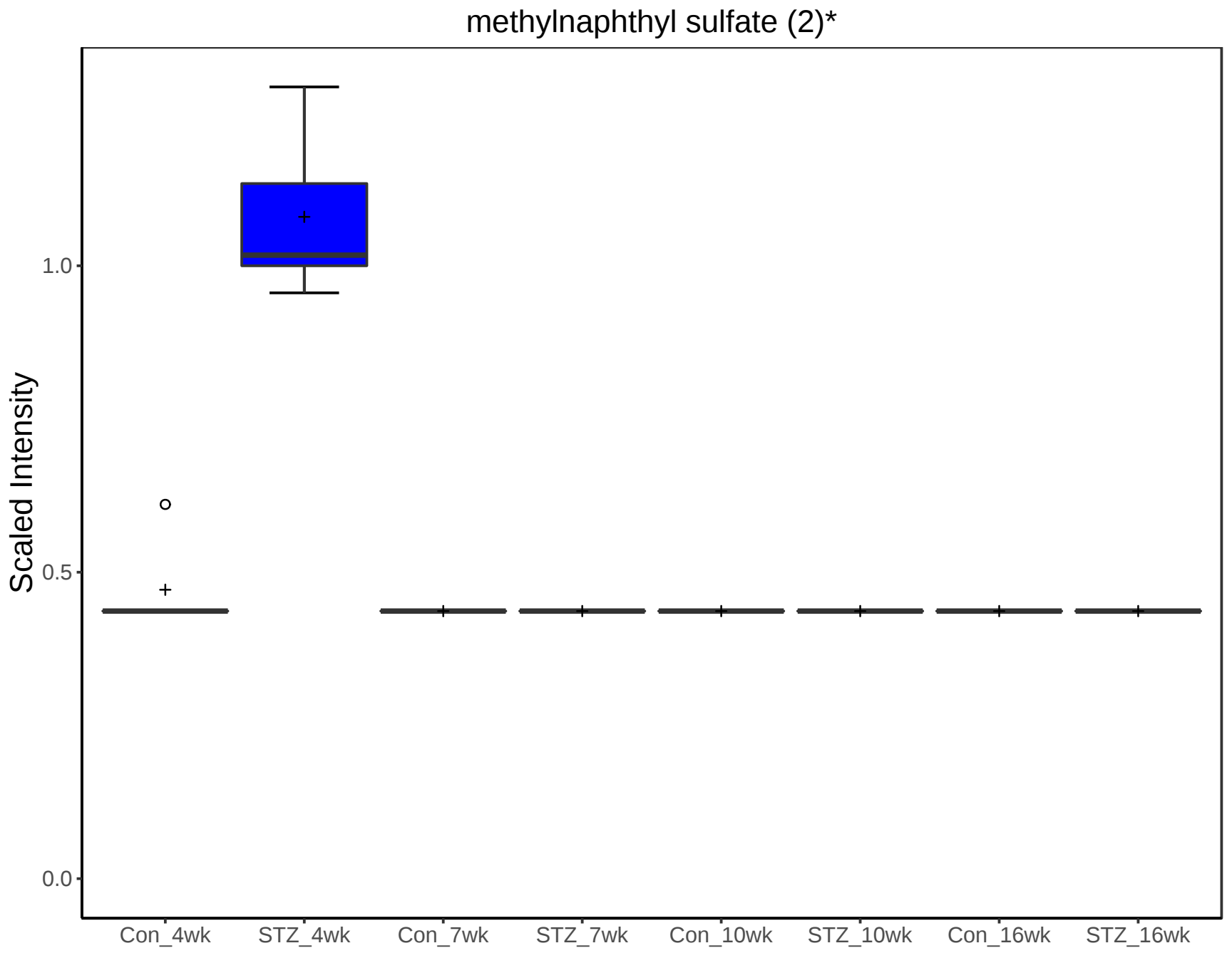

S-(3-hydroxypropyl)mercapturic acid (HPMA)
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

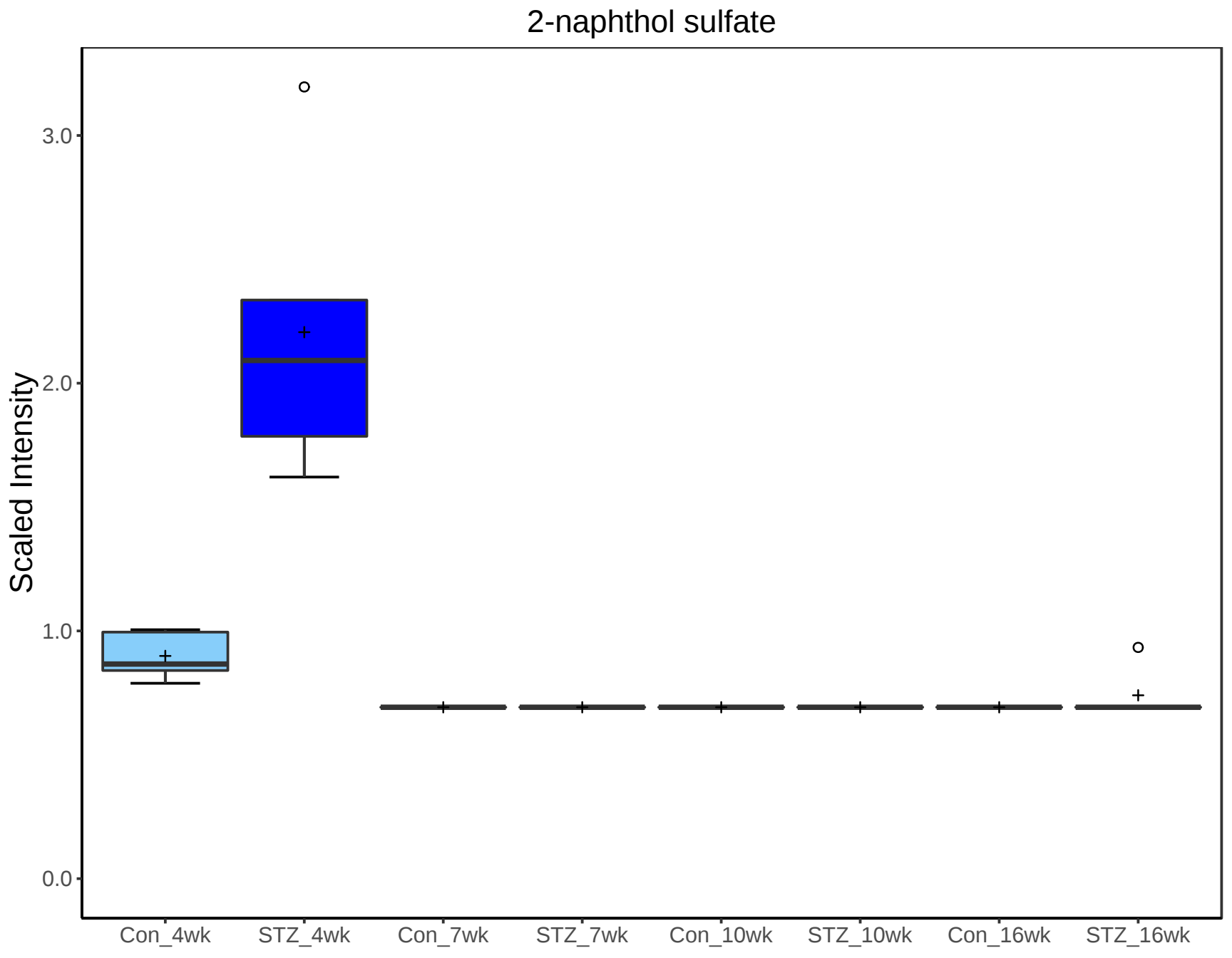

dimethyl sulfone
Scaled Intensity
20.0
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

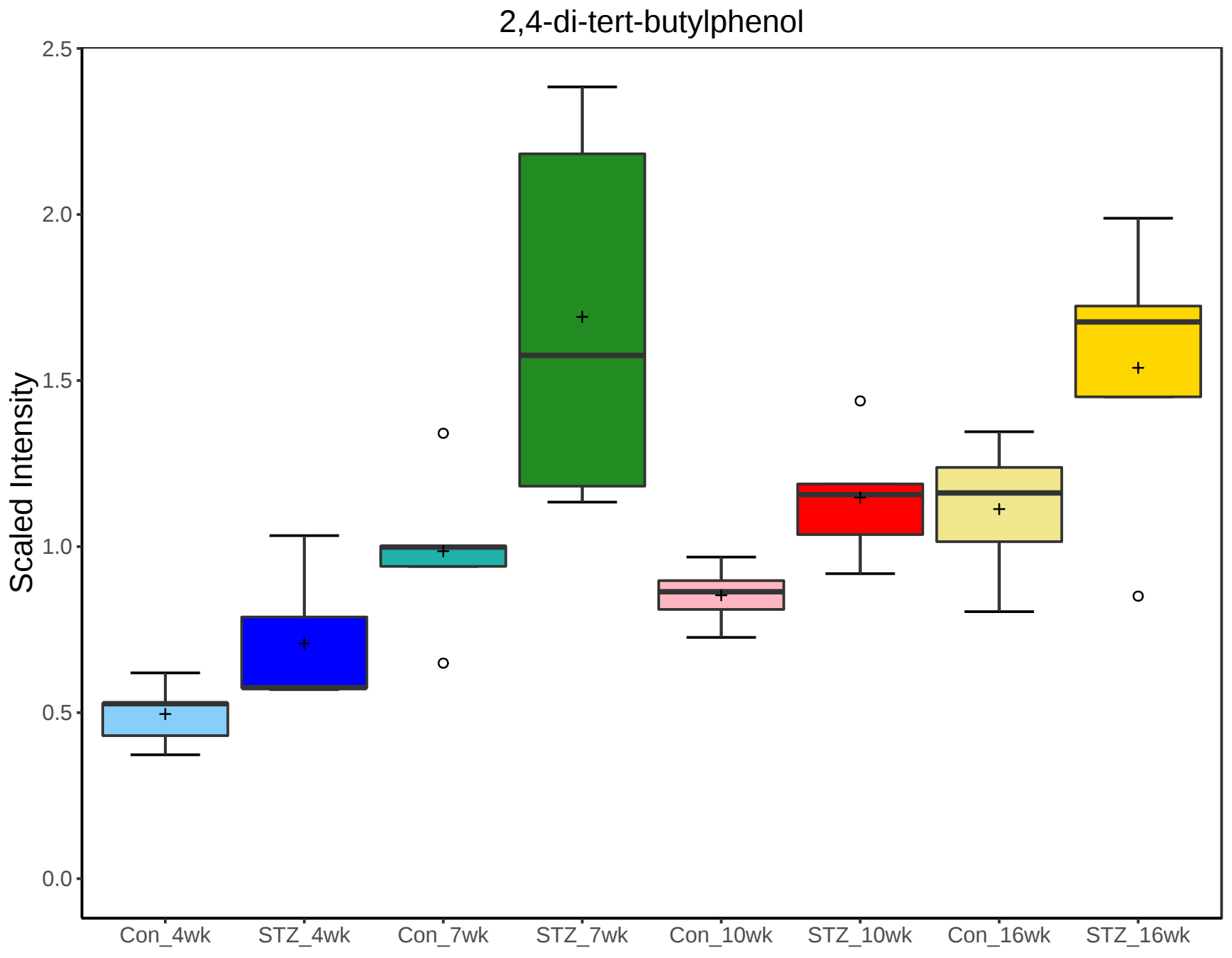

ectoine
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

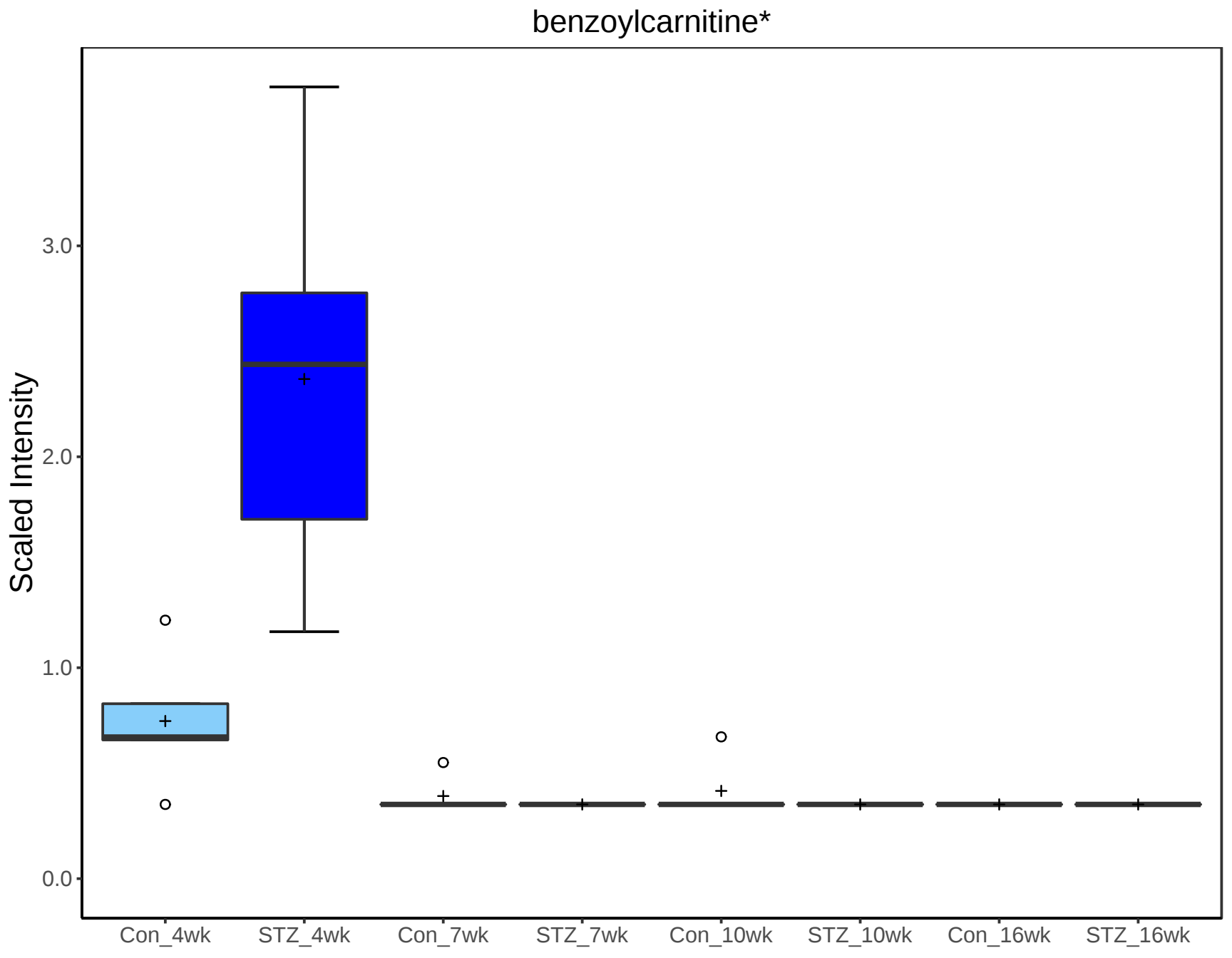

glycolate (hydroxyacetate)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

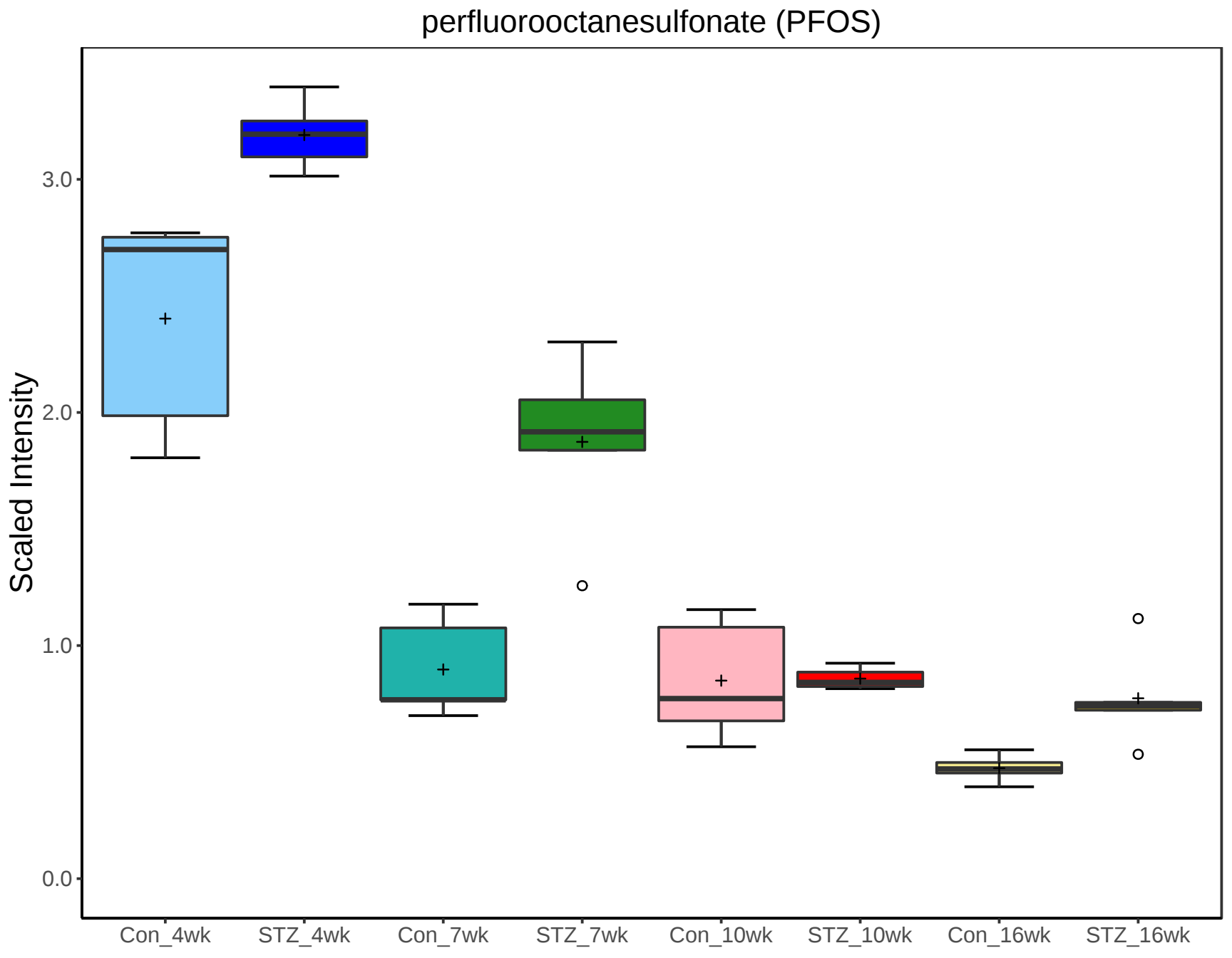

HEPES
Scaled Intensity
6.0
4.0
2.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

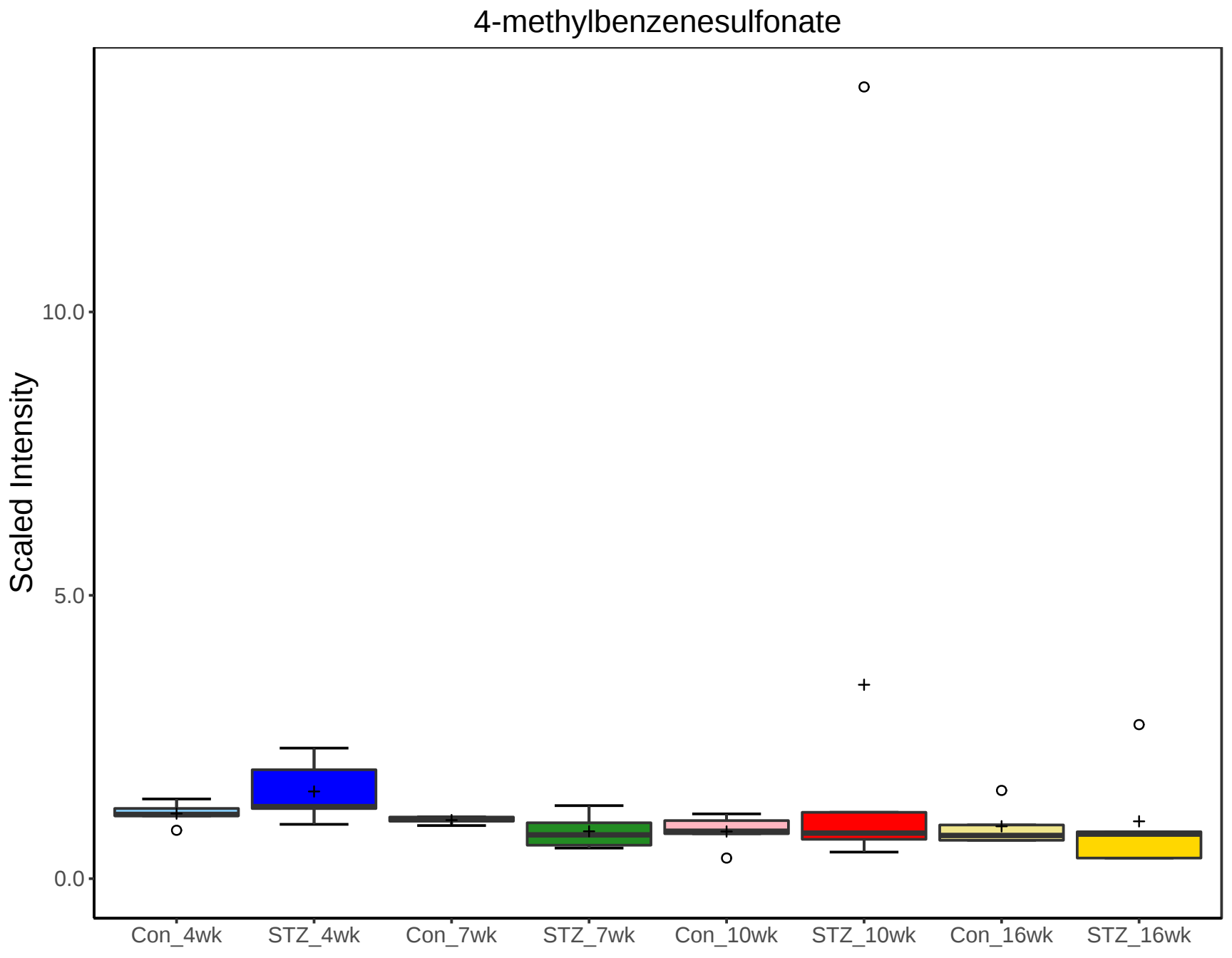

methylnaphthyl sulfate (2)*
Scaled Intensity
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

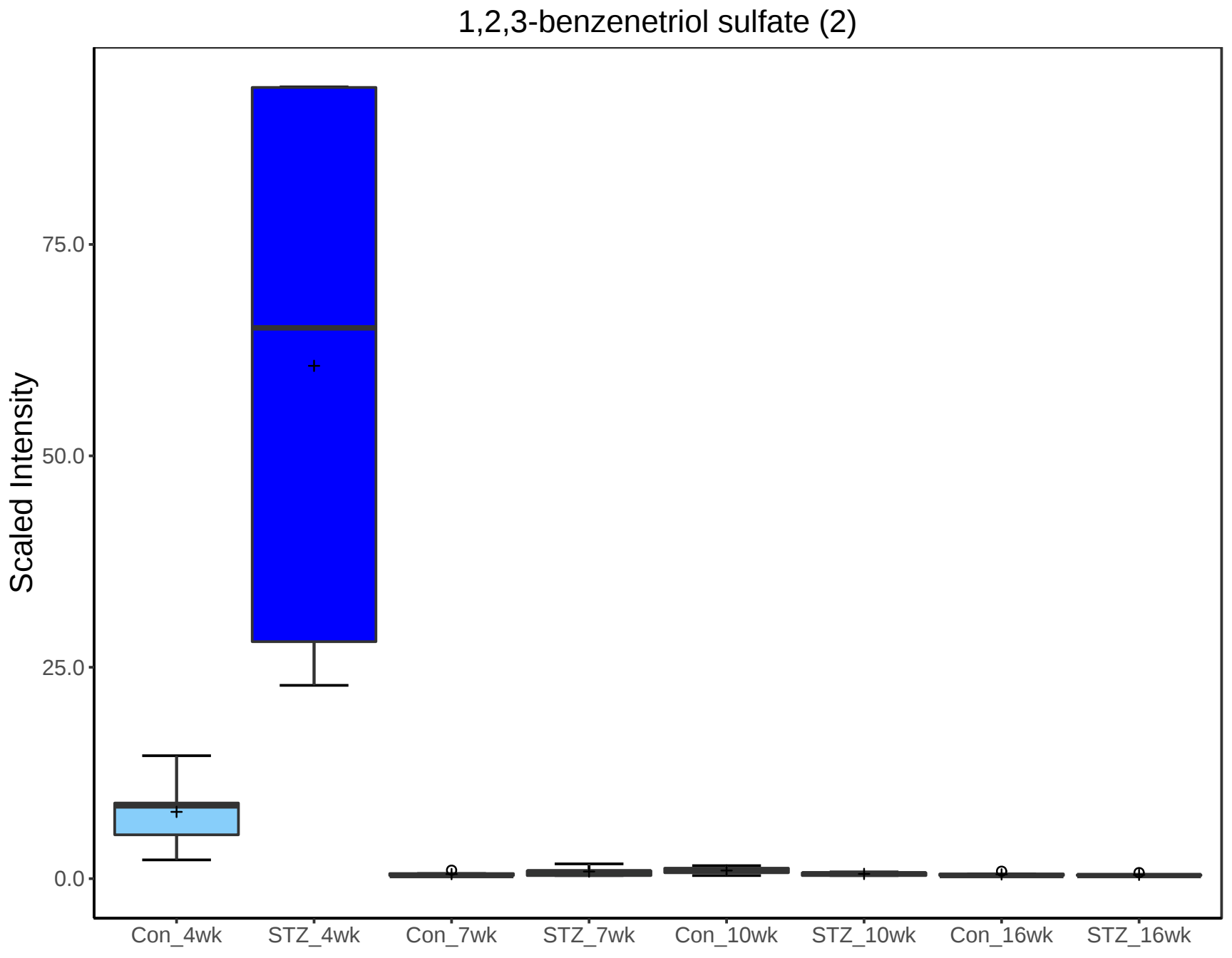

2-naphthol sulfate
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

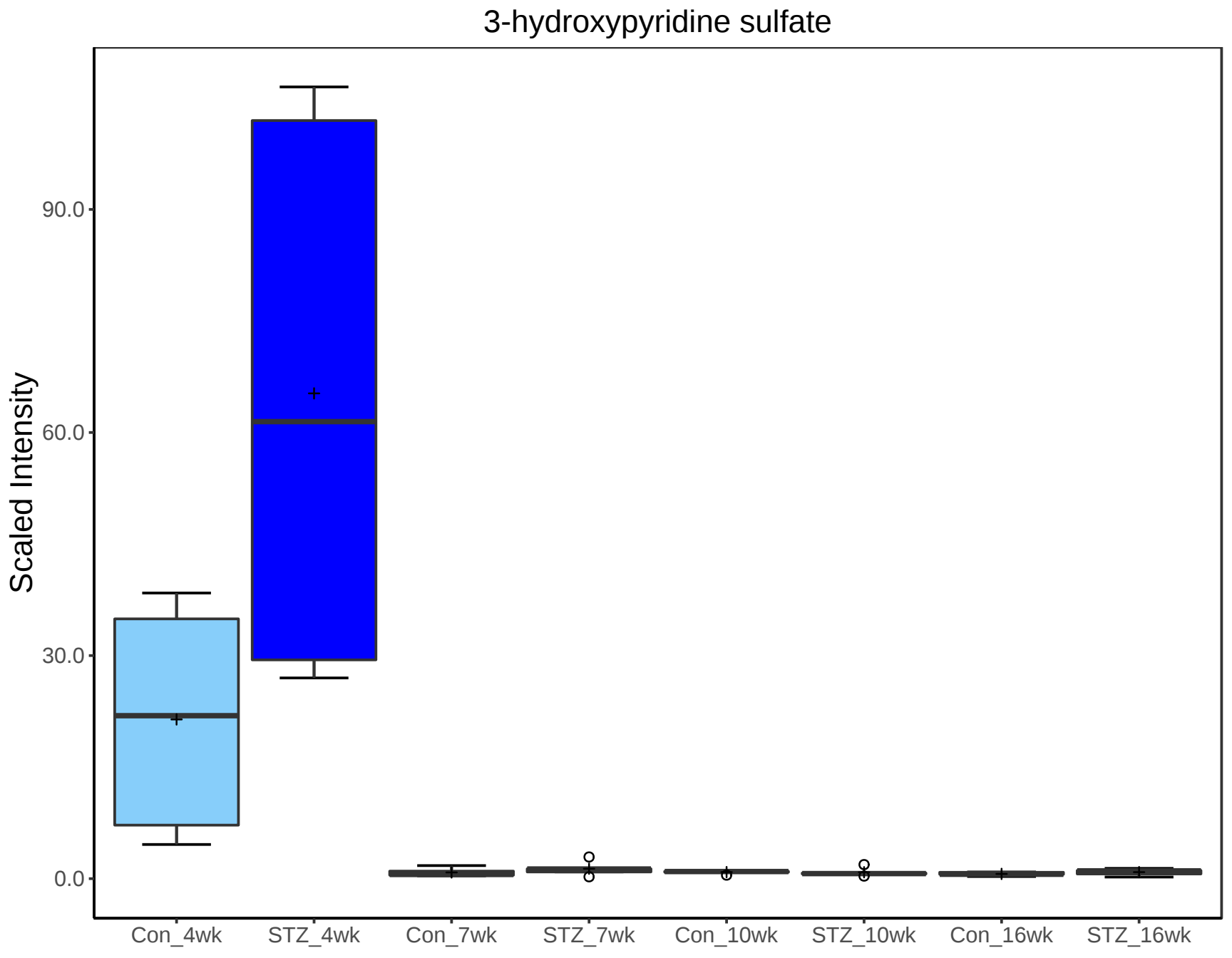

2,4-di-tert-butylphenol
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

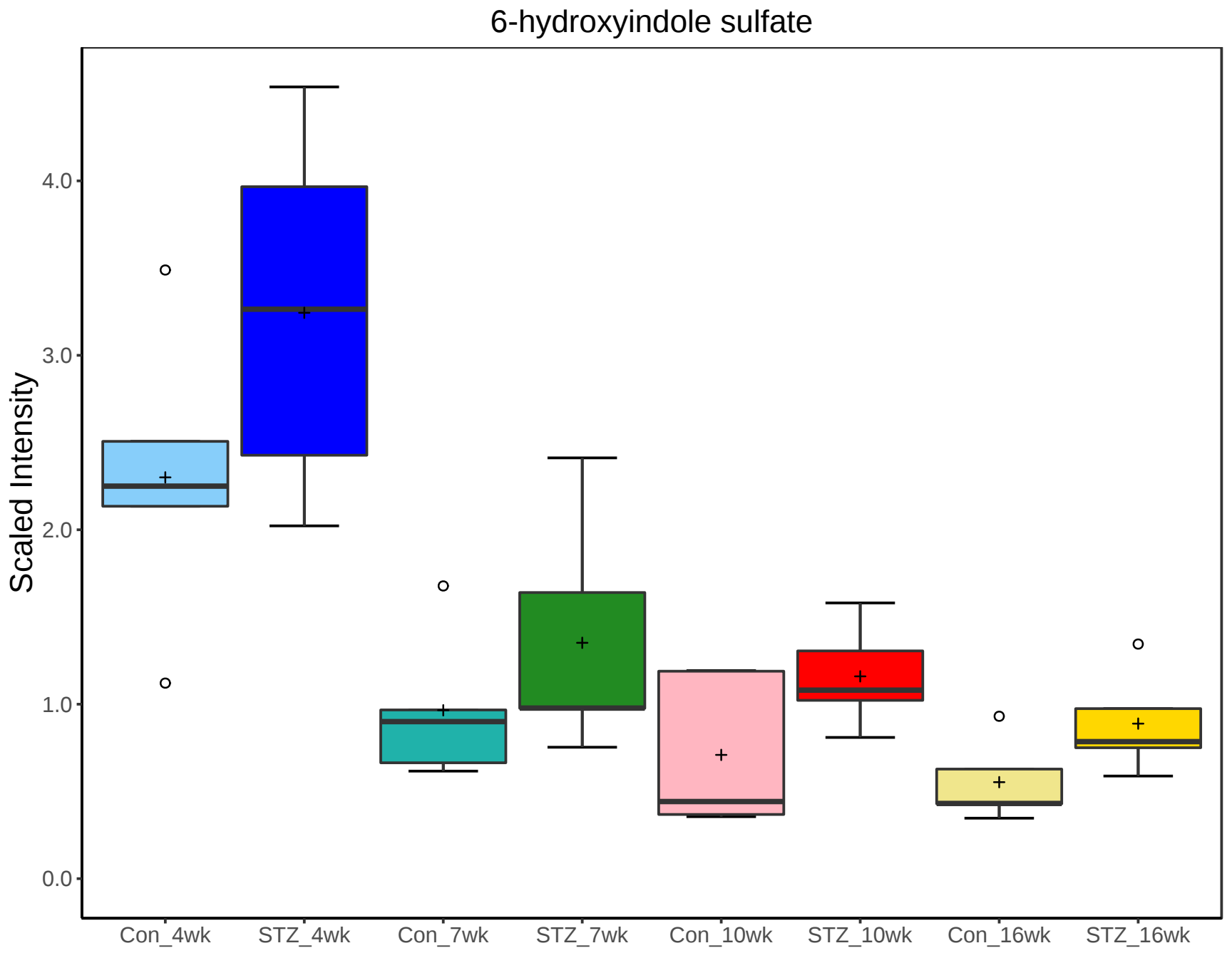

benzoylcarnitine*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

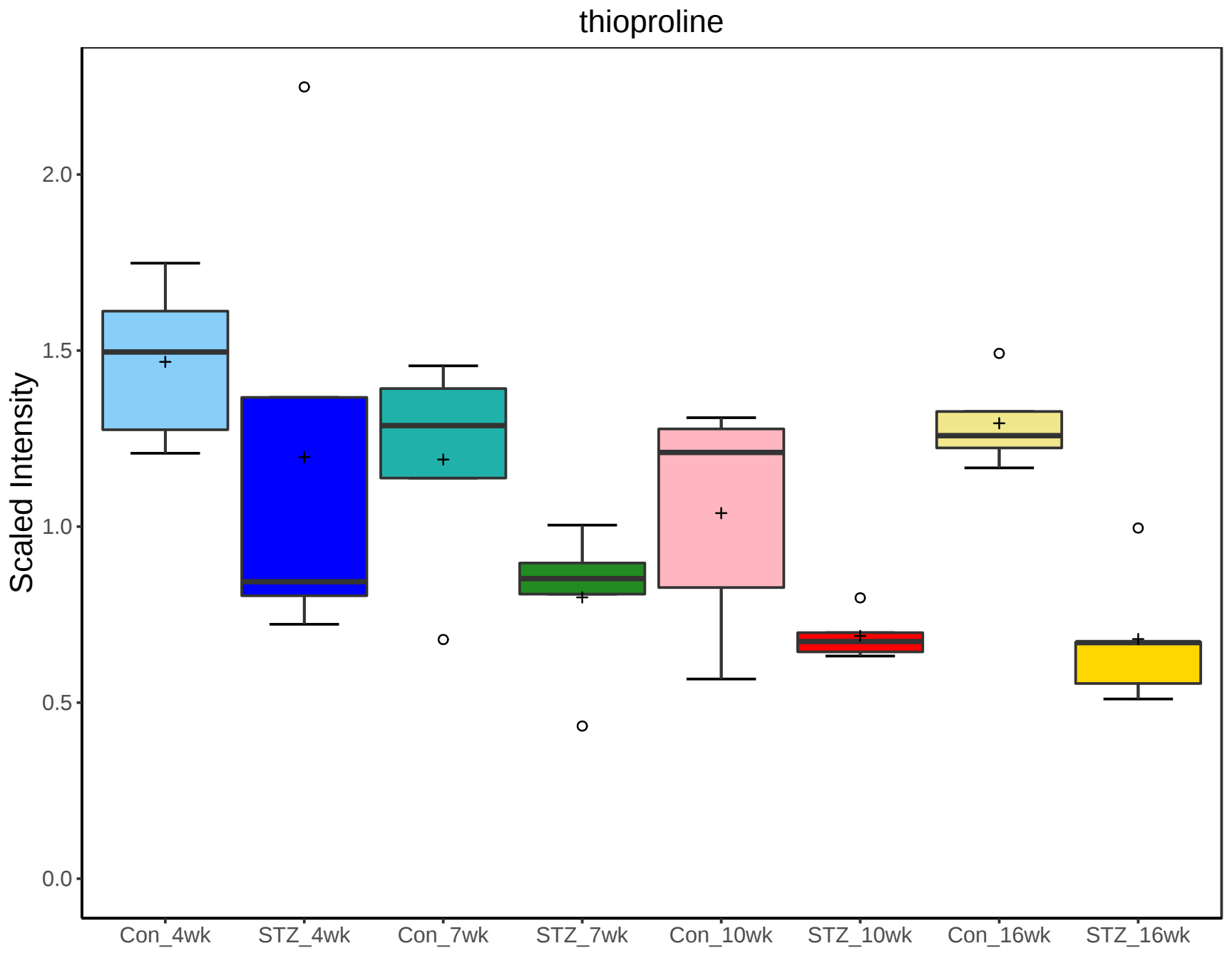

perfluorooctanesulfonate (PFOS)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

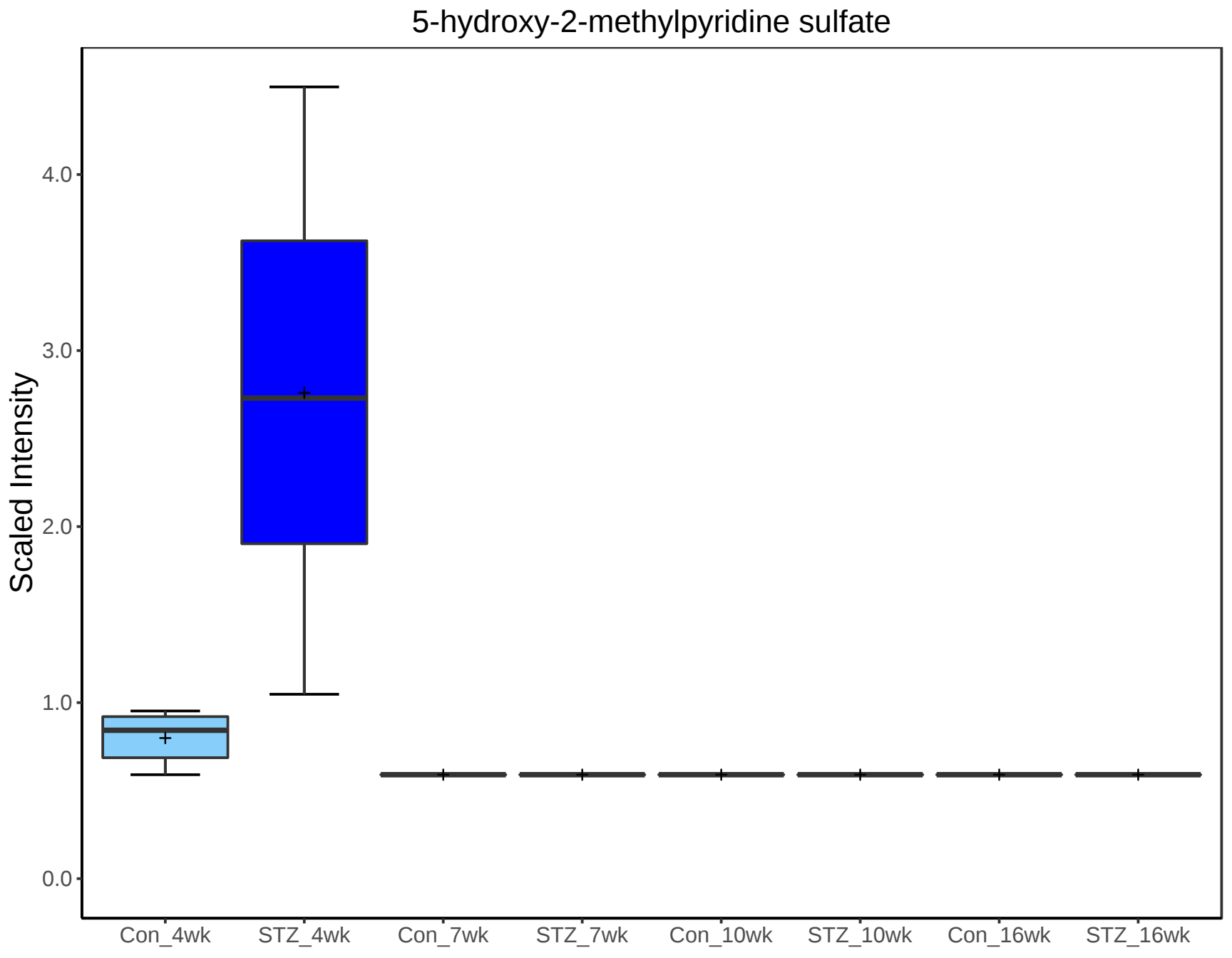

4-methylbenzenesulfonate
Scaled Intensity
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

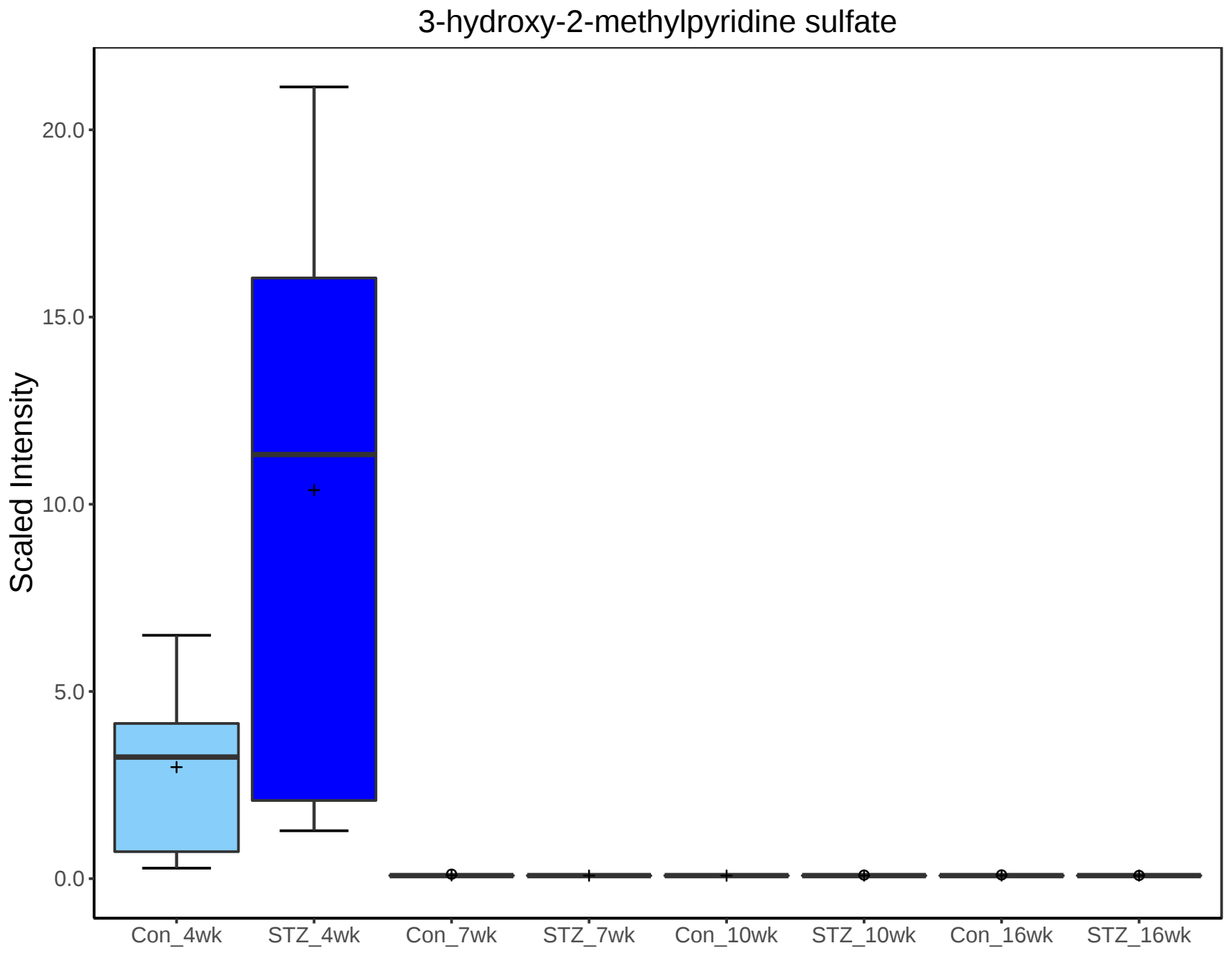

1,2,3-benzenetriol sulfate (2)
Scaled Intensity
75.0
50.0
25.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

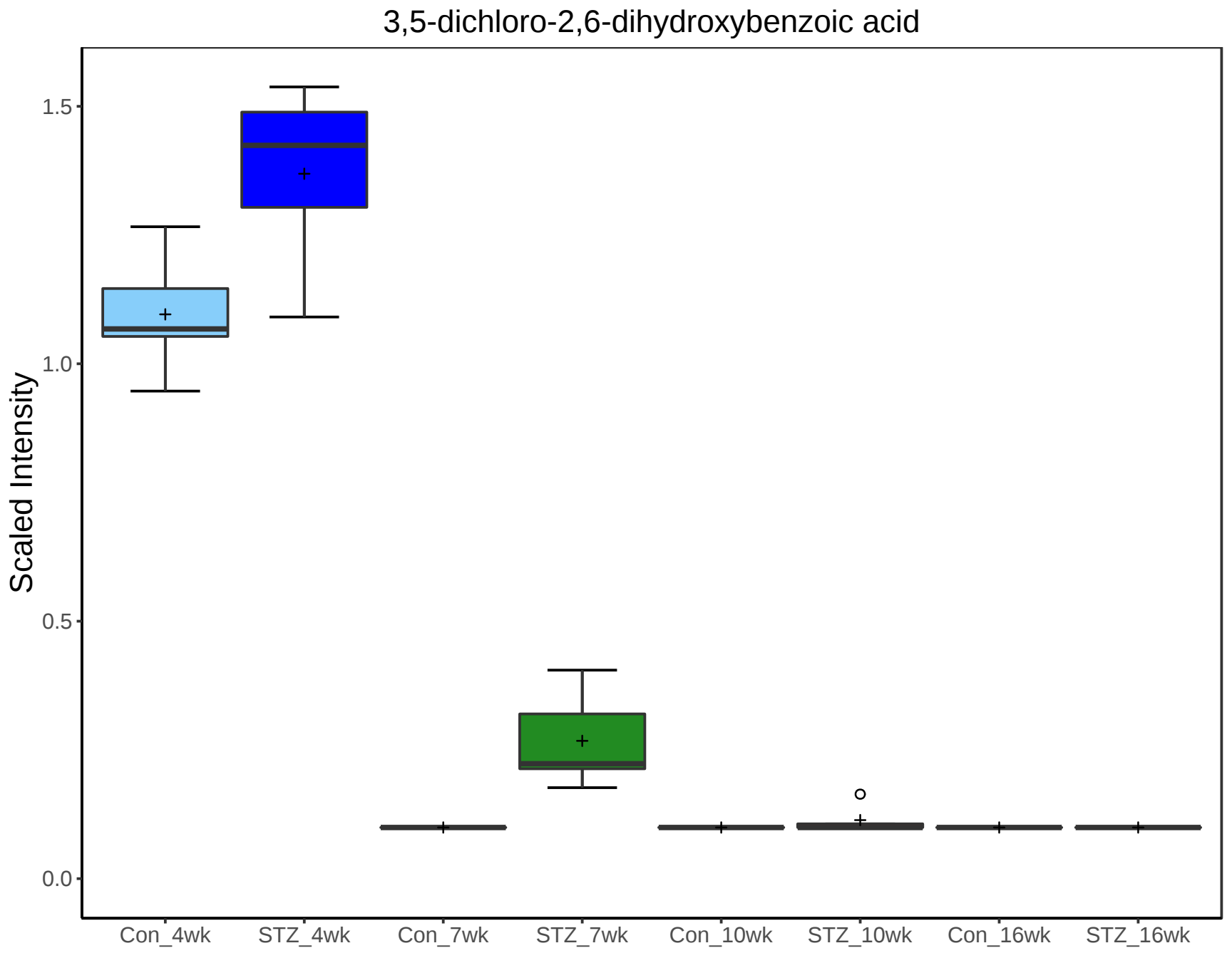

3-hydroxypyridine sulfate
Scaled Intensity
90.0
60.0
30.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

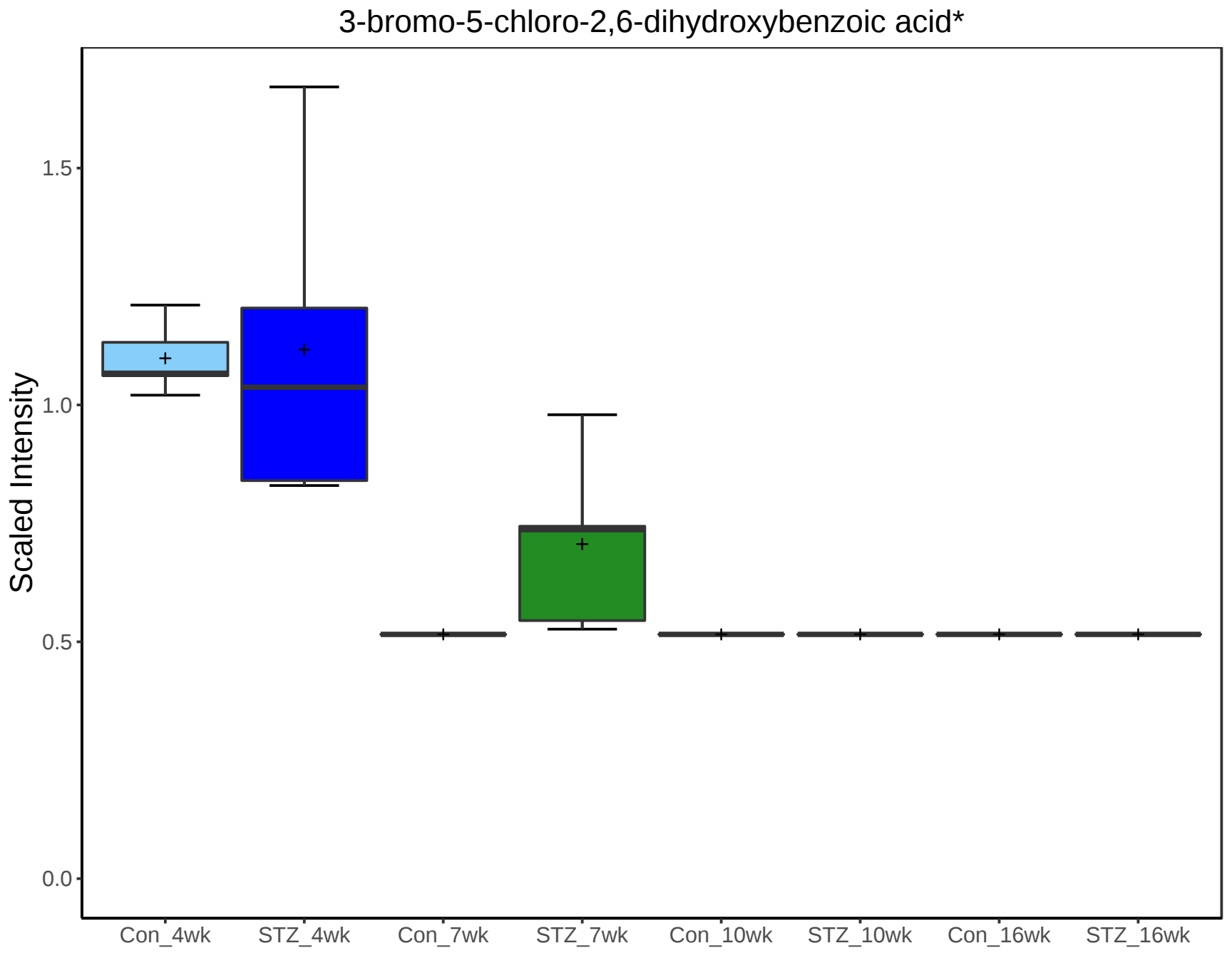

6-hydroxyindole sulfate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

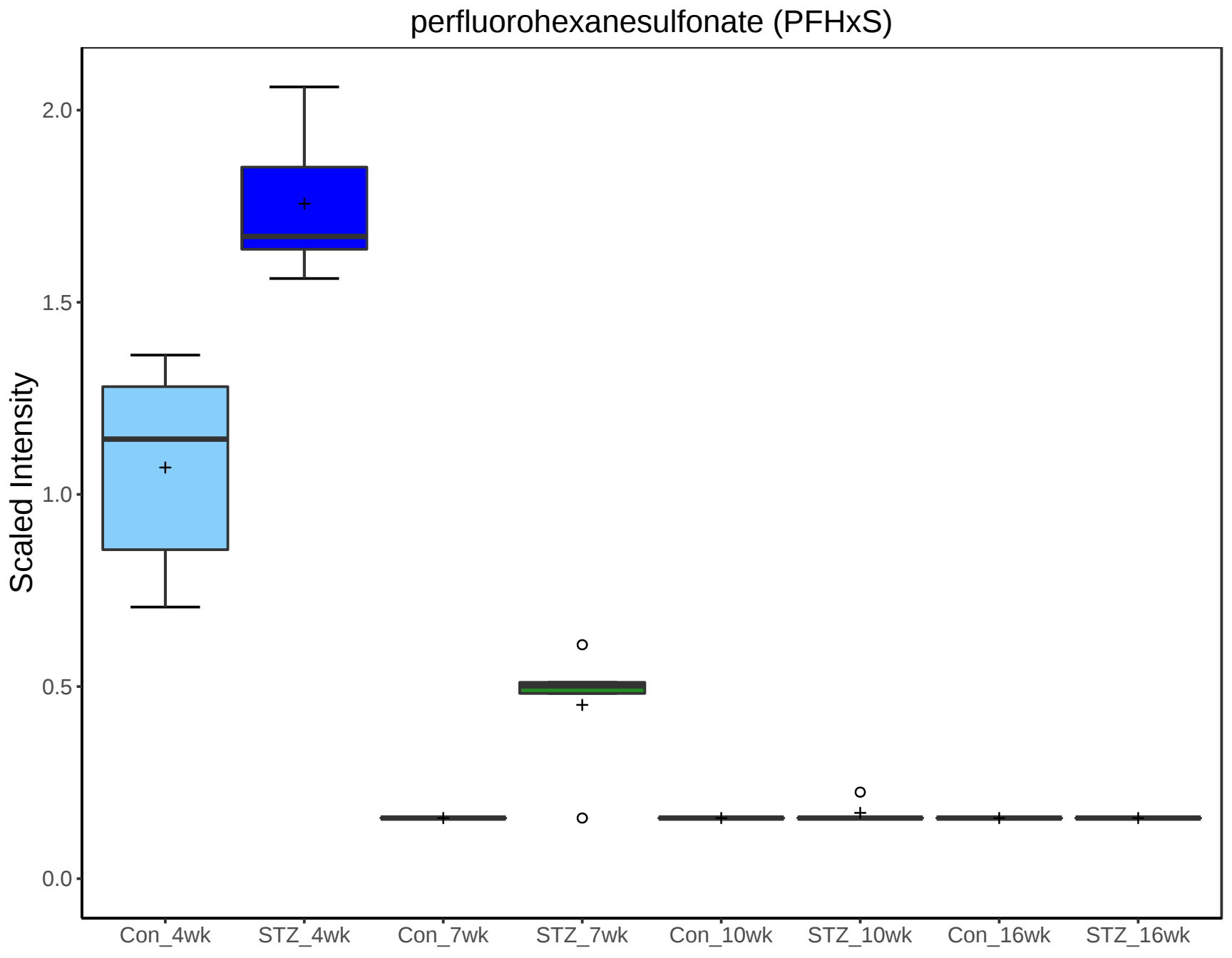

thioproline
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

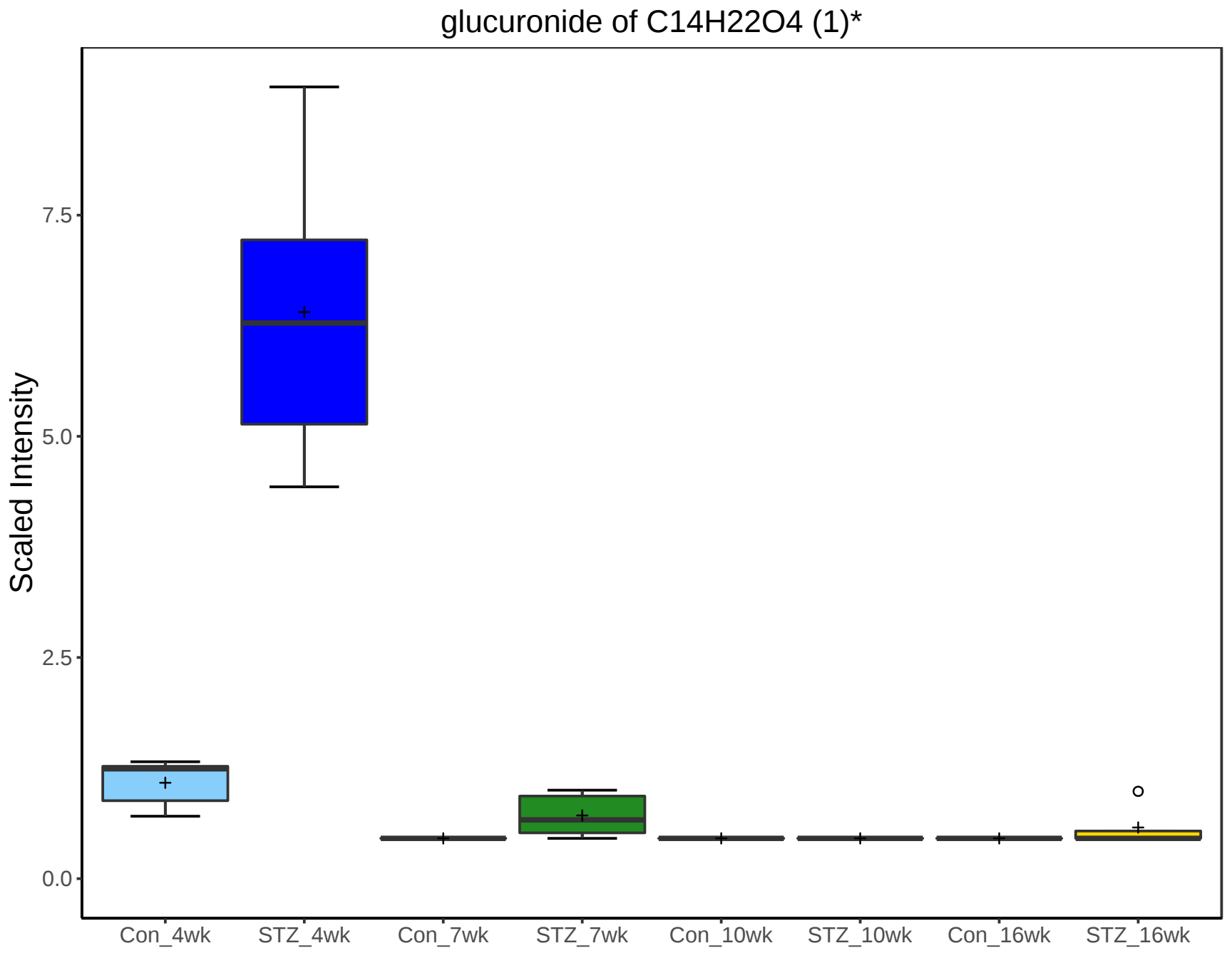

5-hydroxy-2-methylpyridine sulfate
Scaled Intensity
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

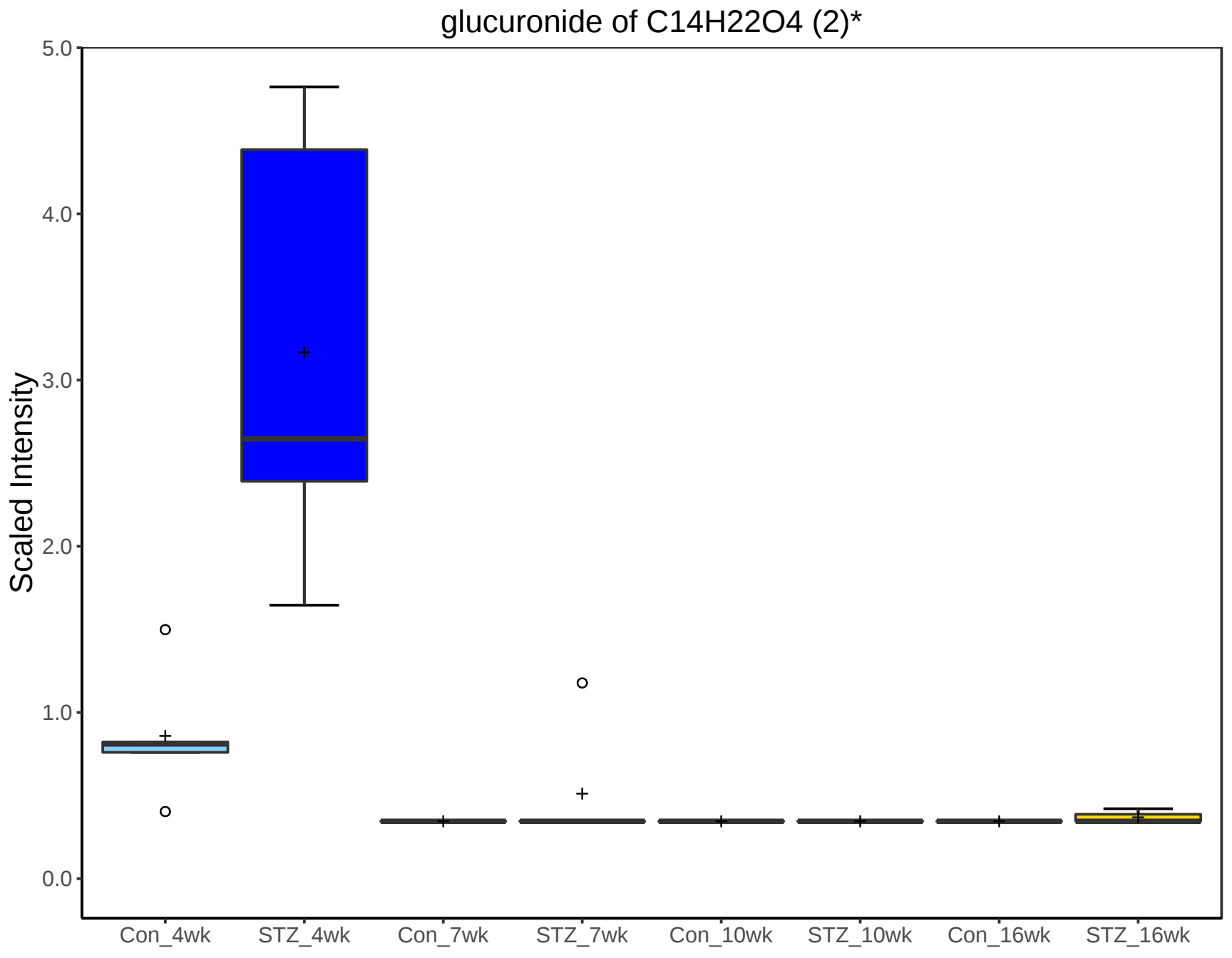

3-hydroxy-2-methylpyridine sulfate
Scaled Intensity
20.0
15.0
10.0
5.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

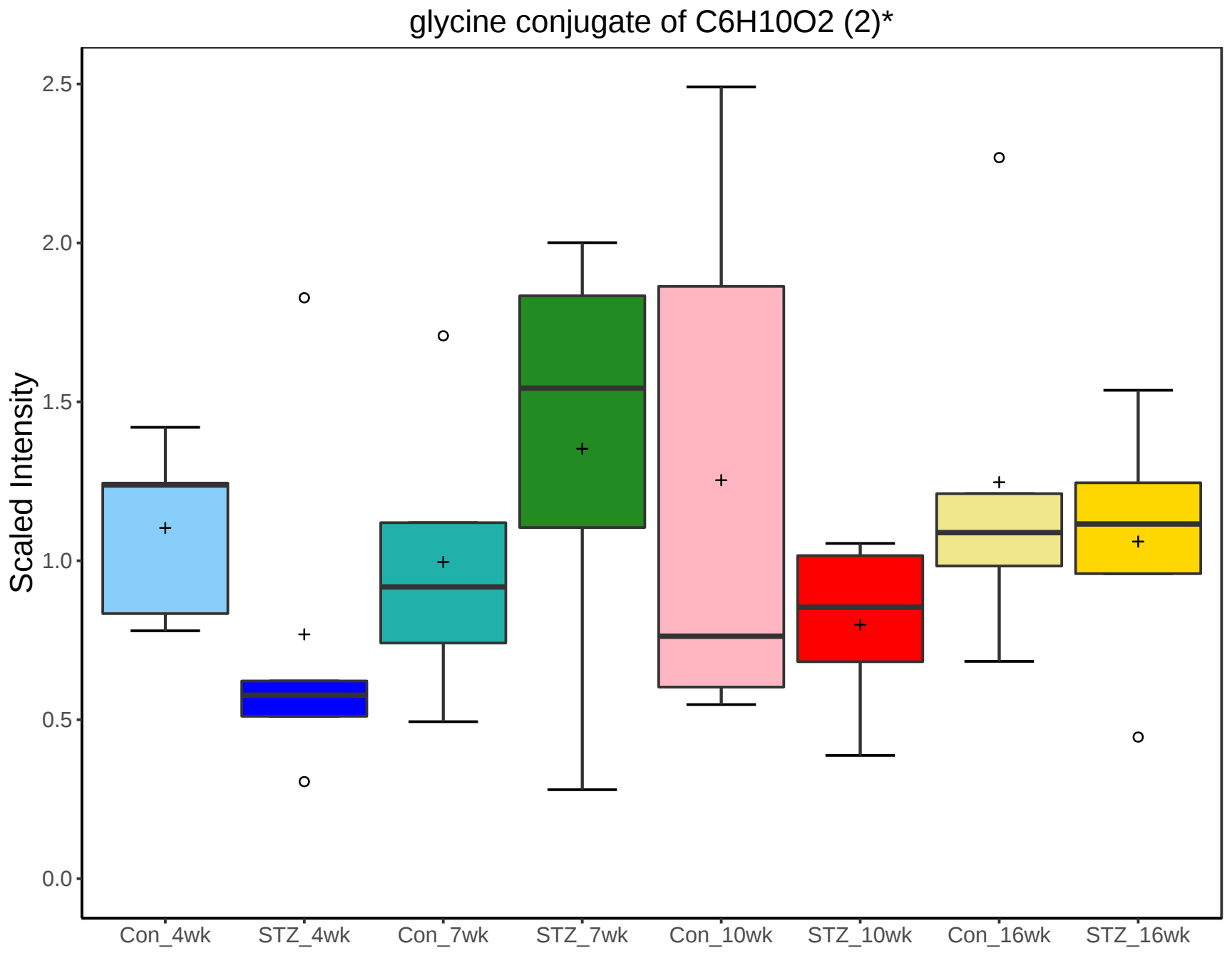

3,5-dichloro-2,6-dihydroxybenzoic acid
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

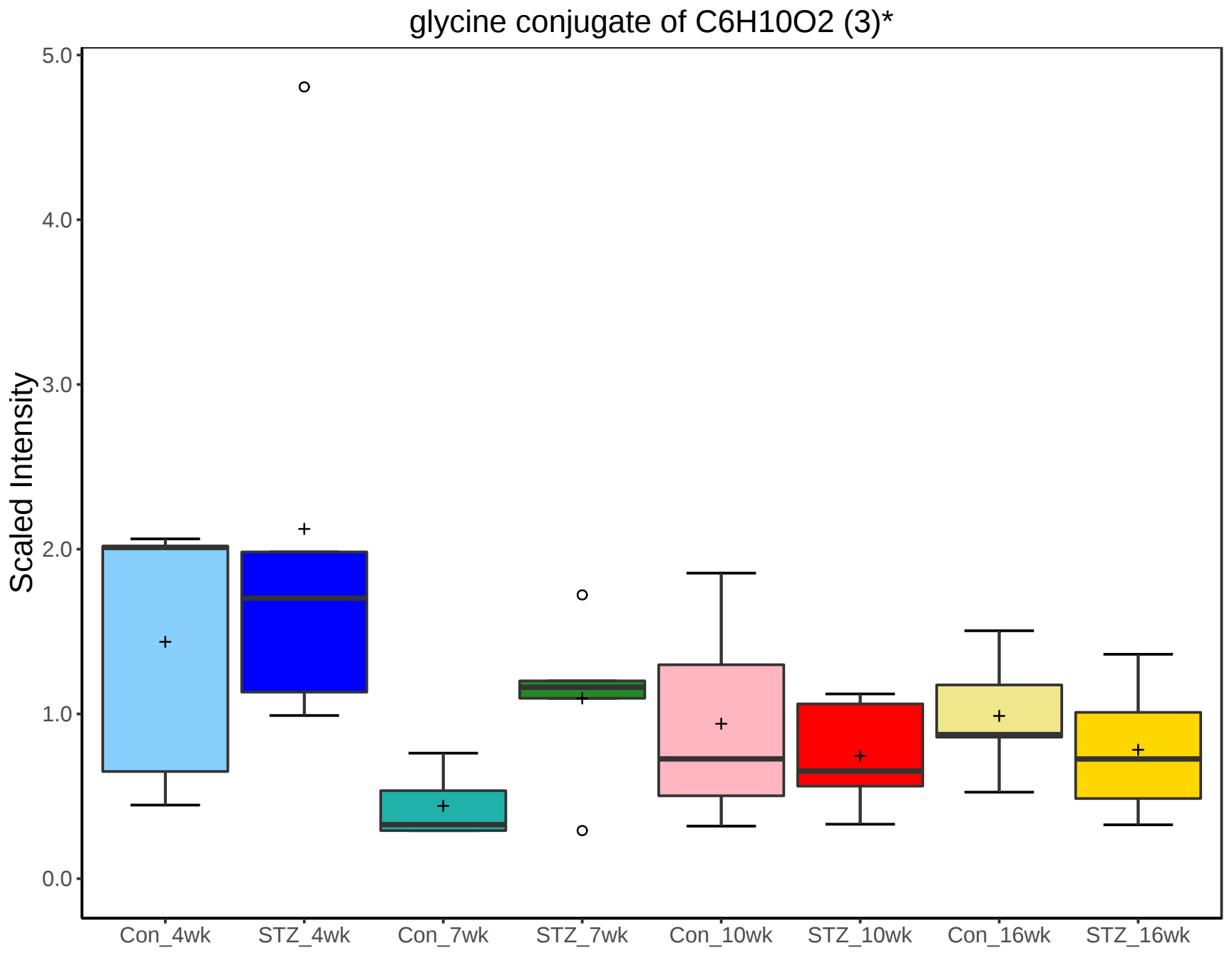

3-bromo-5-chloro-2,6-dihydroxybenzoic acid*
Scaled Intensity
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

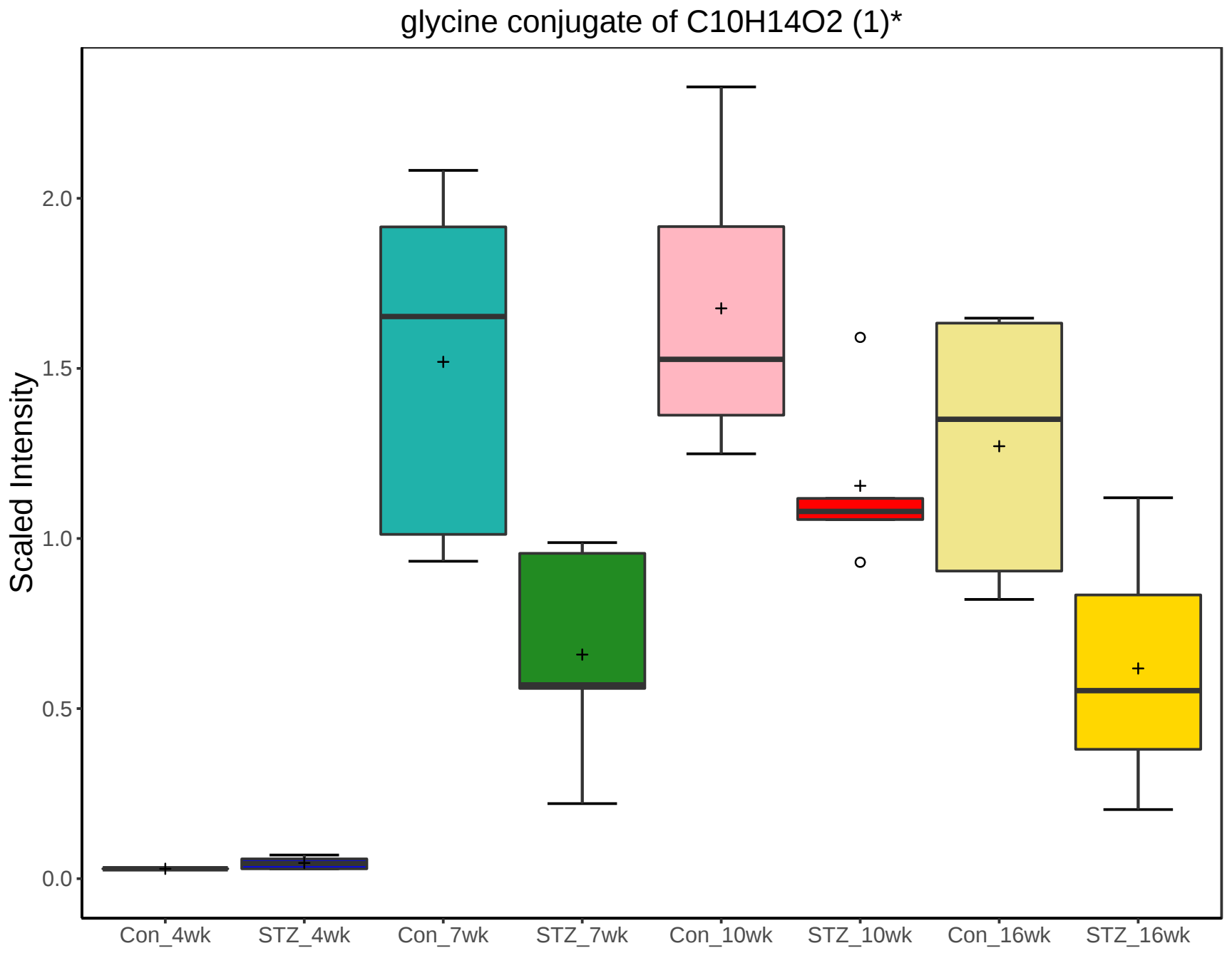

perfluorohexanesulfonate (PFHxS)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

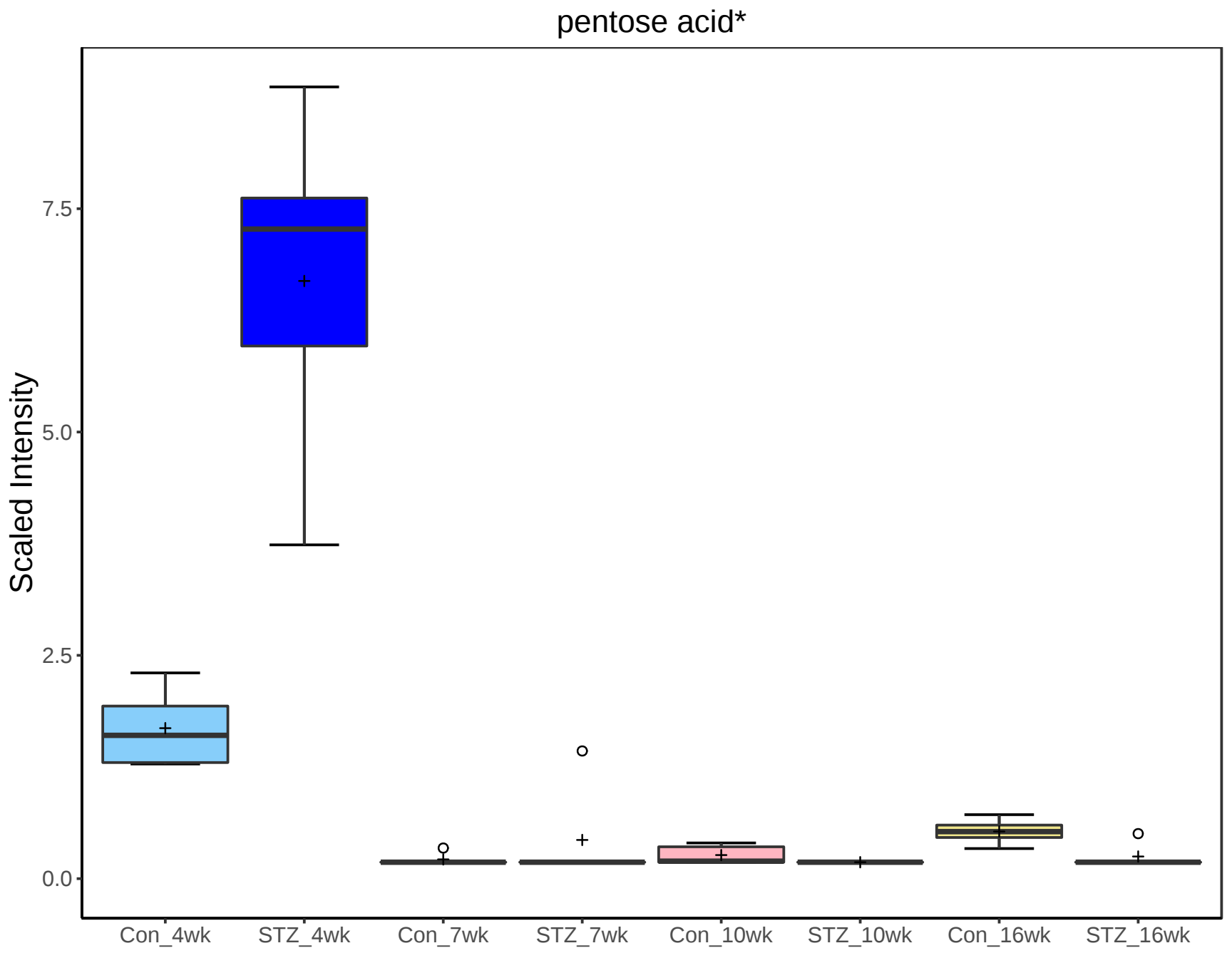

glucuronide of C14H22O4 (1)*
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

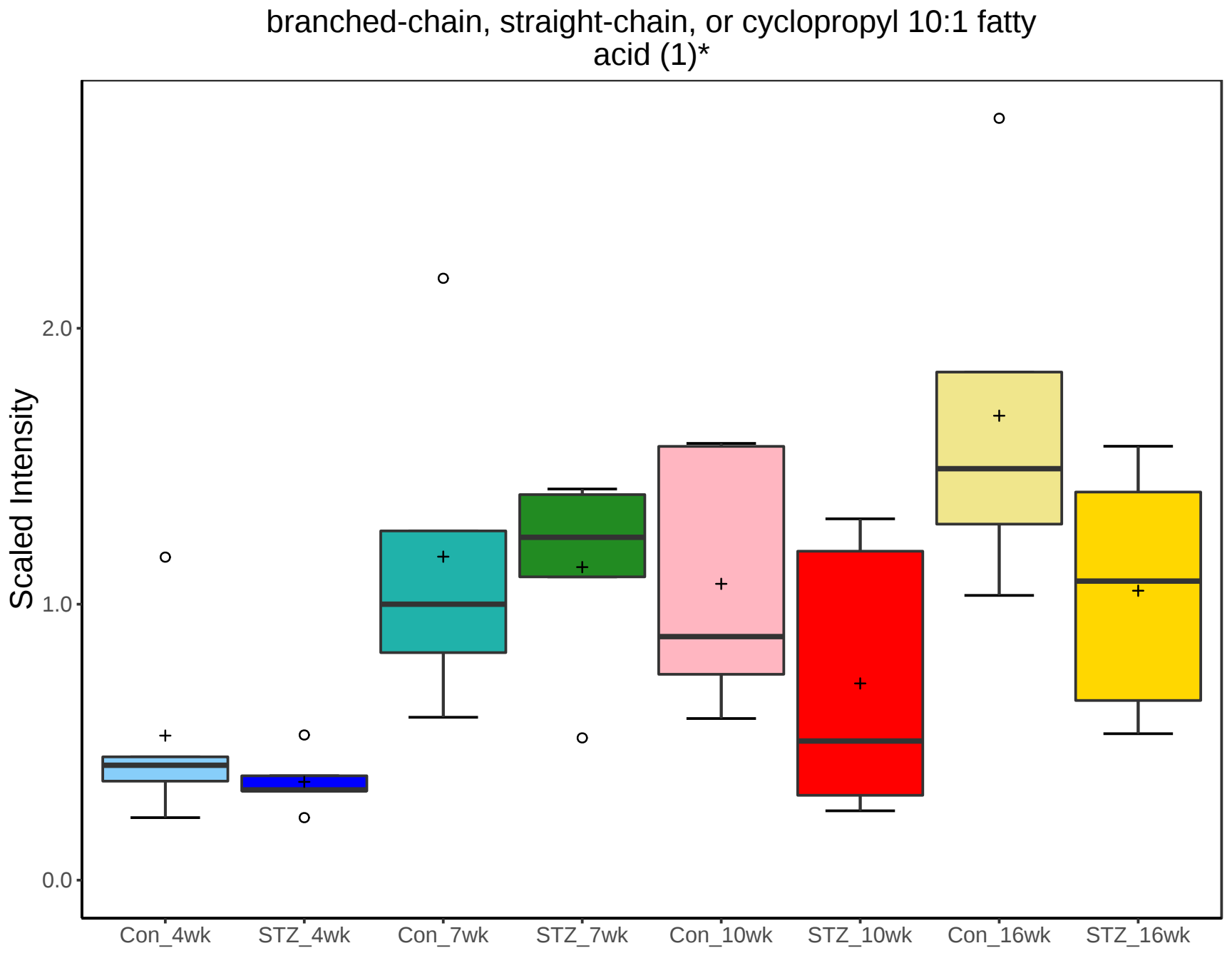

glucuronide of C14H22O4 (2)*
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

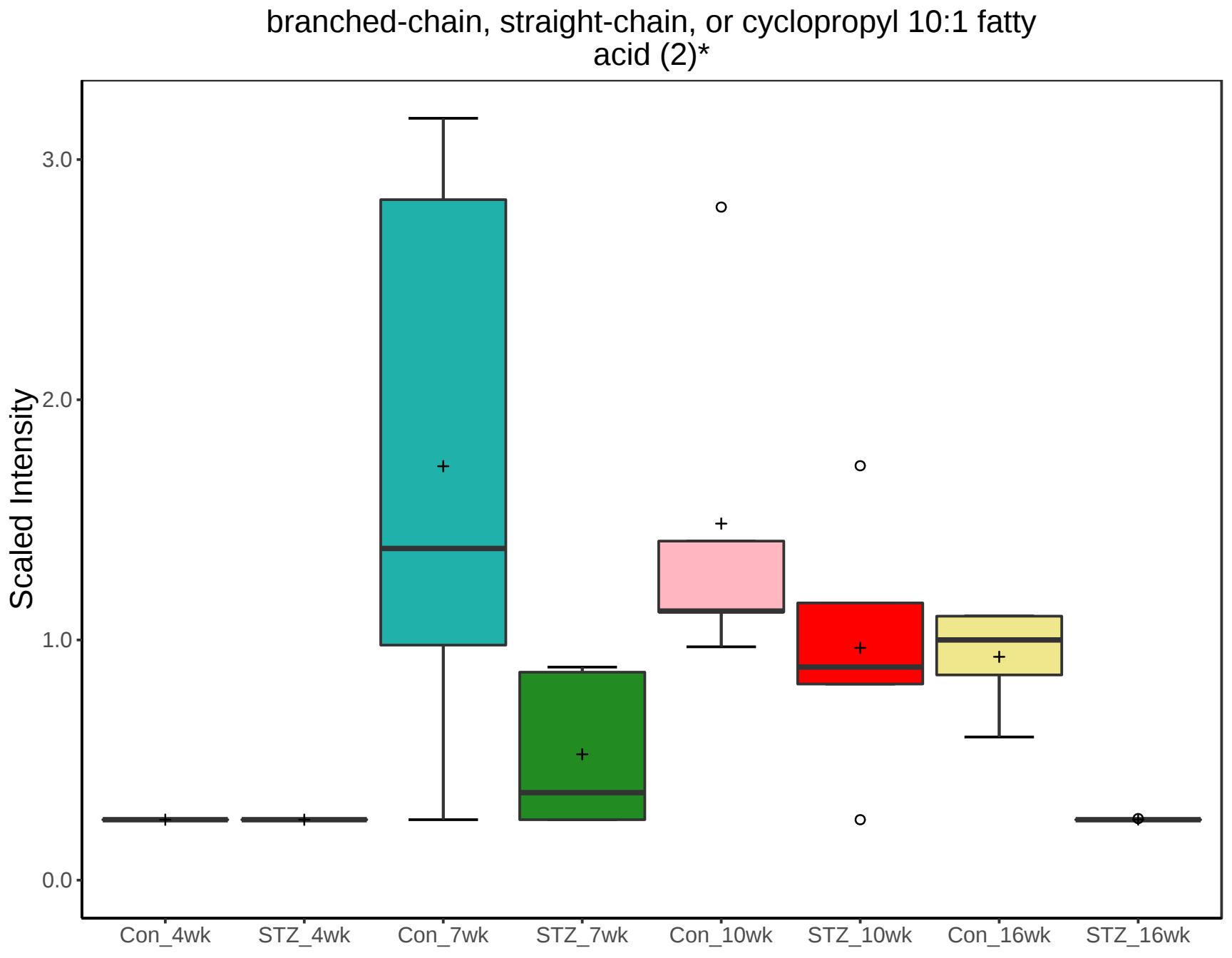

glycine conjugate of C6H10O2 (2)*
Scaled Intensity
2.5
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

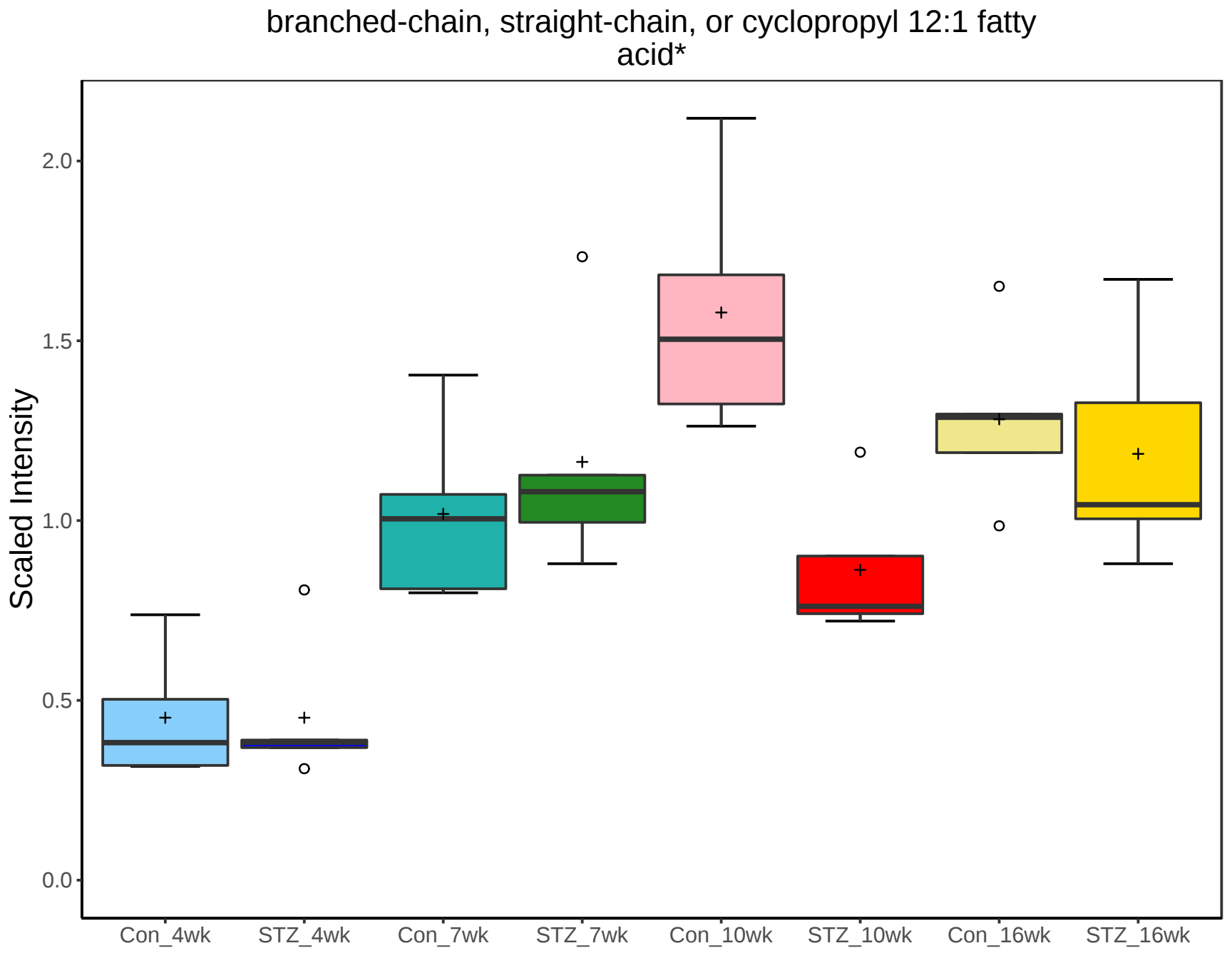

glycine conjugate of C6H10O2 (3)*
Scaled Intensity
5.0
4.0
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

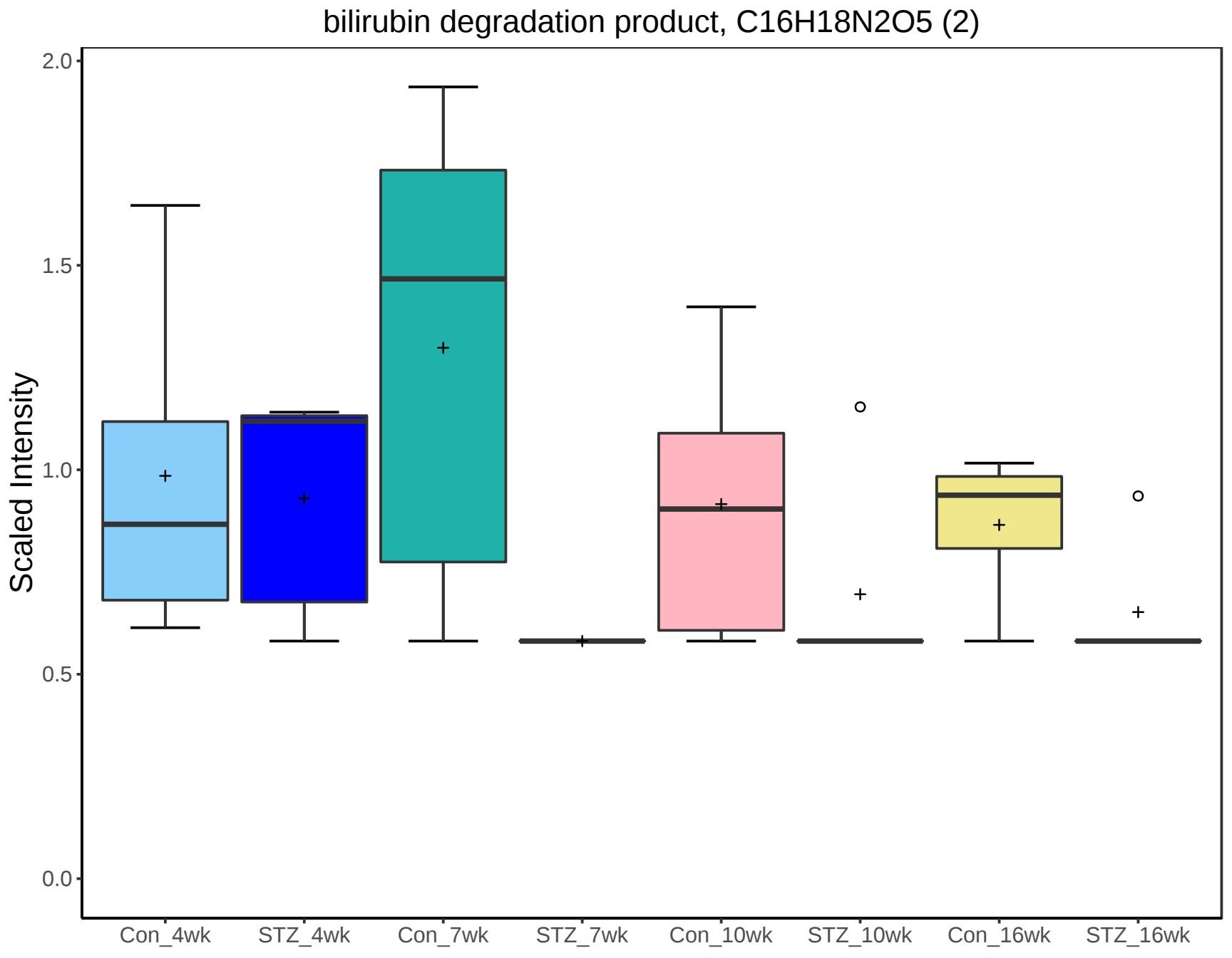

glycine conjugate of C10H14O2 (1)*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

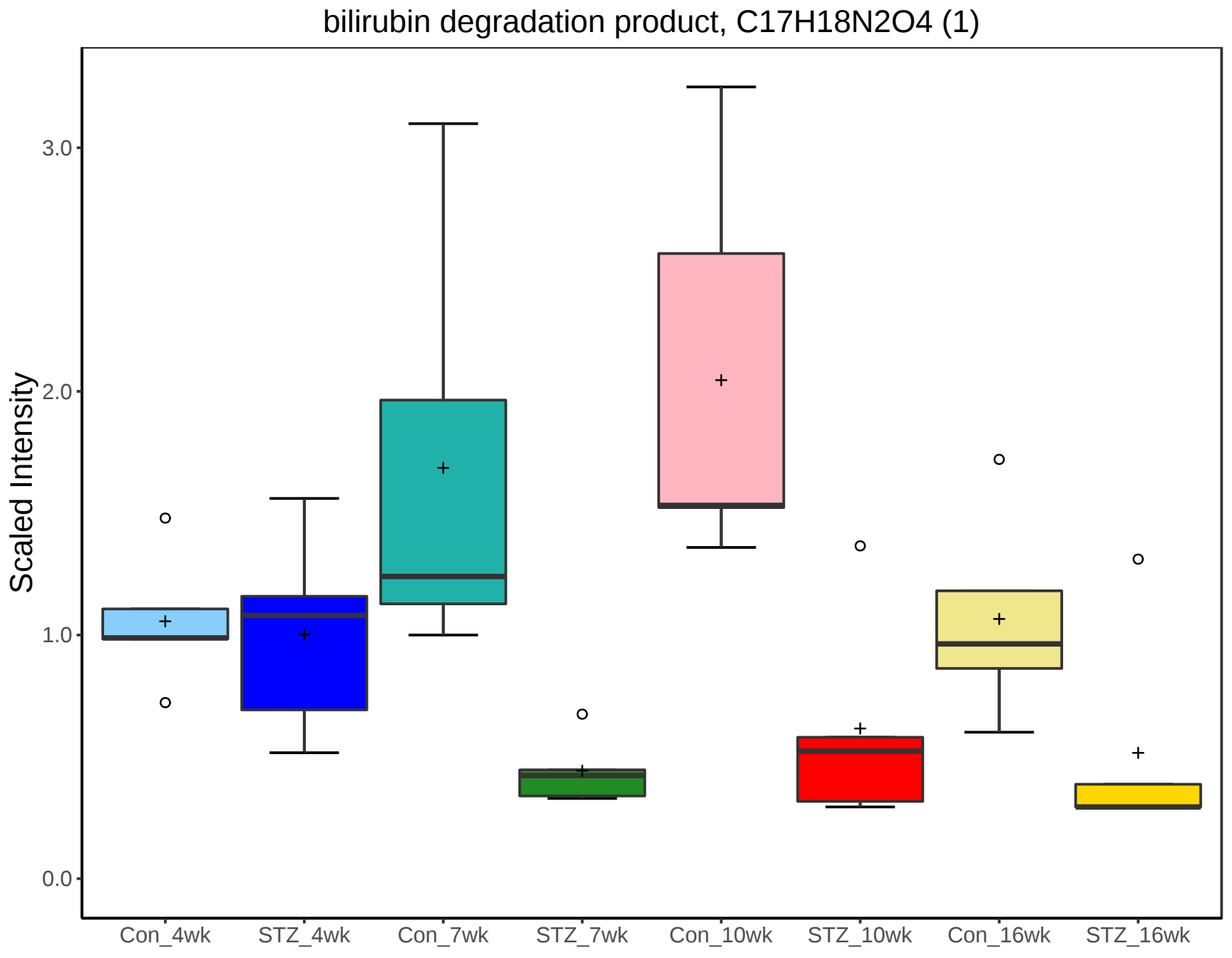

pentose acid*
Scaled Intensity
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

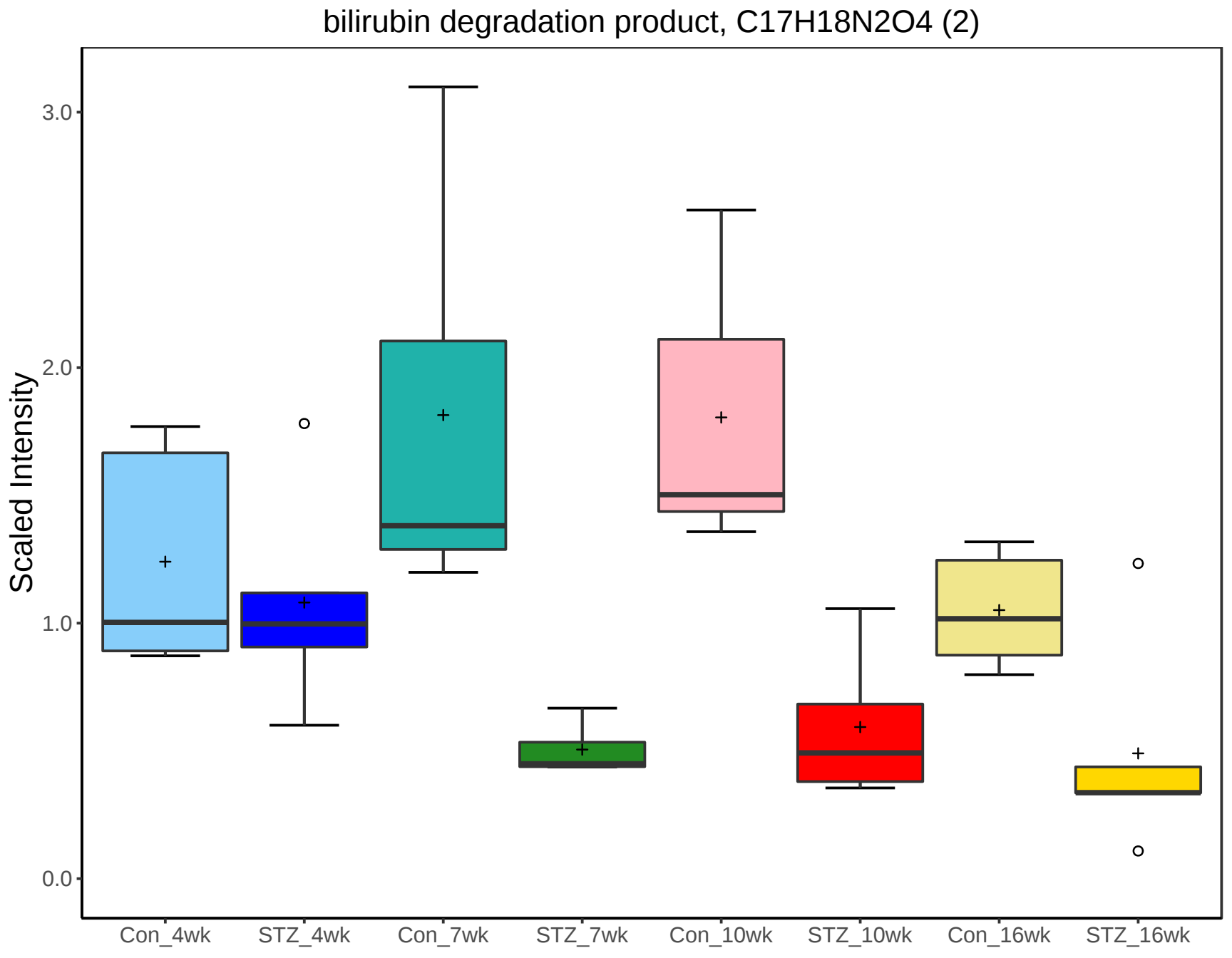

branched-chain, straight-chain, or cyclopropyl 10:1 fatty acid (1)*
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

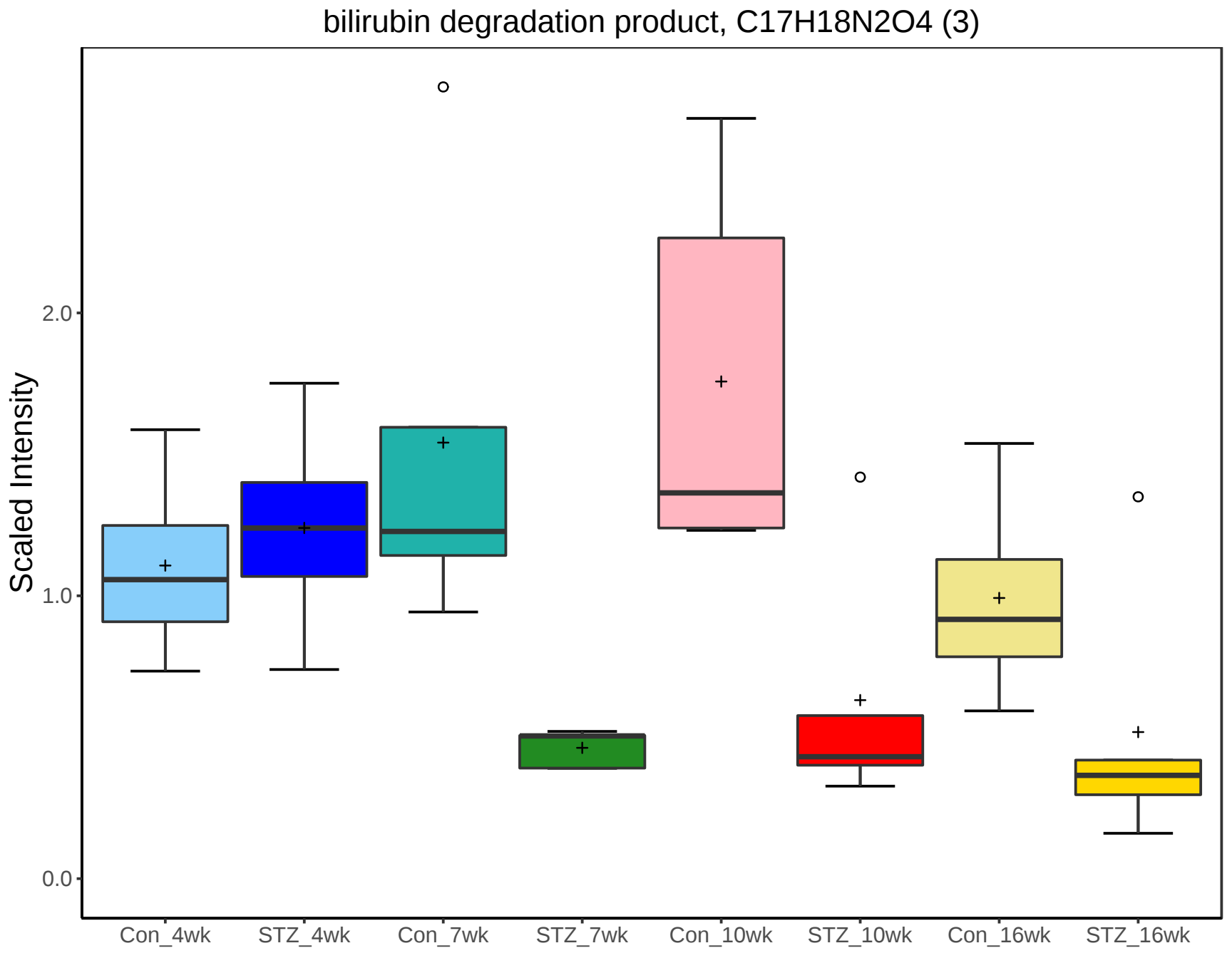

branched-chain, straight-chain, or cyclopropyl 10:1 fatty acid (2)*
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

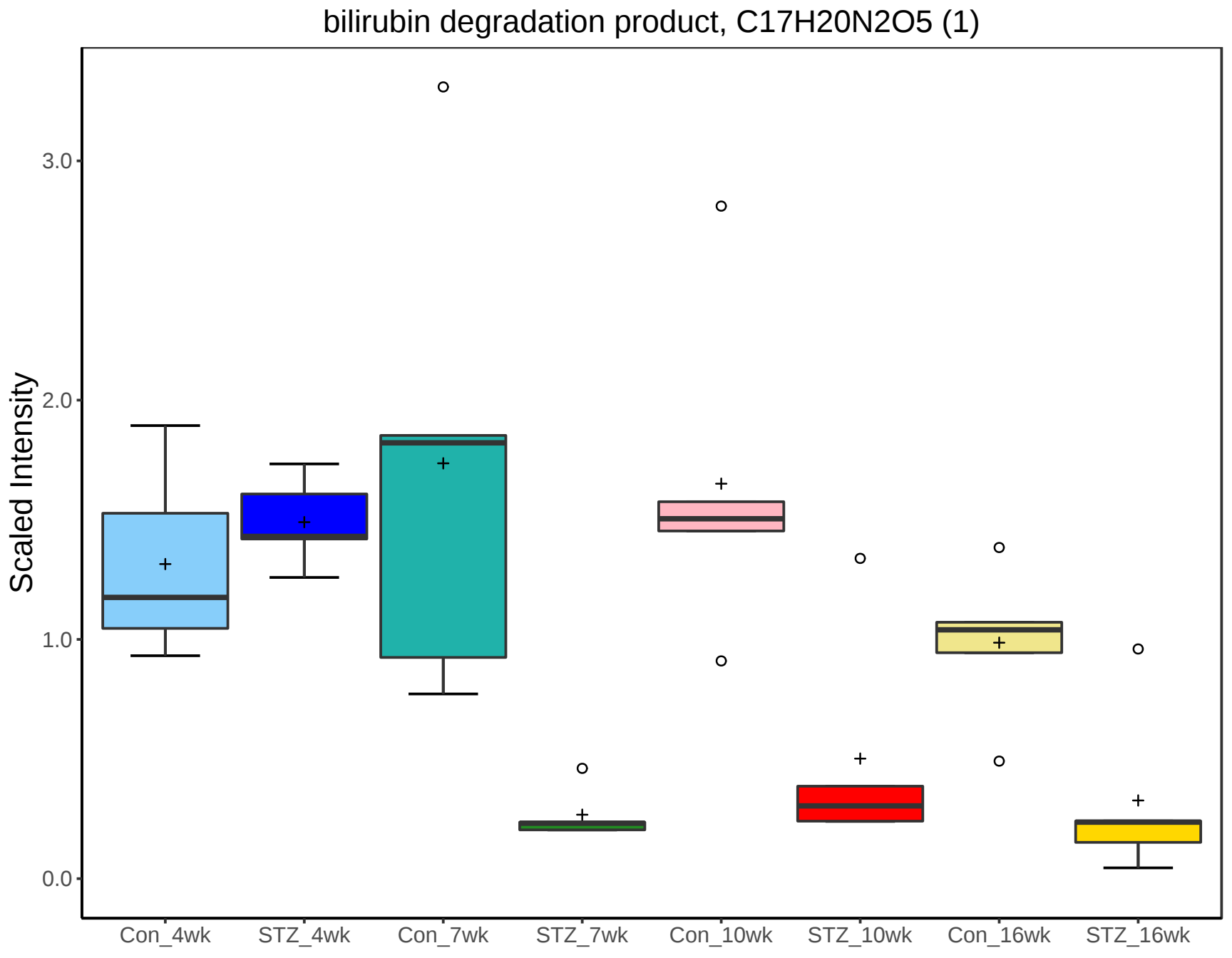

branched-chain, straight-chain, or cyclopropyl 12:1 fatty acid*
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

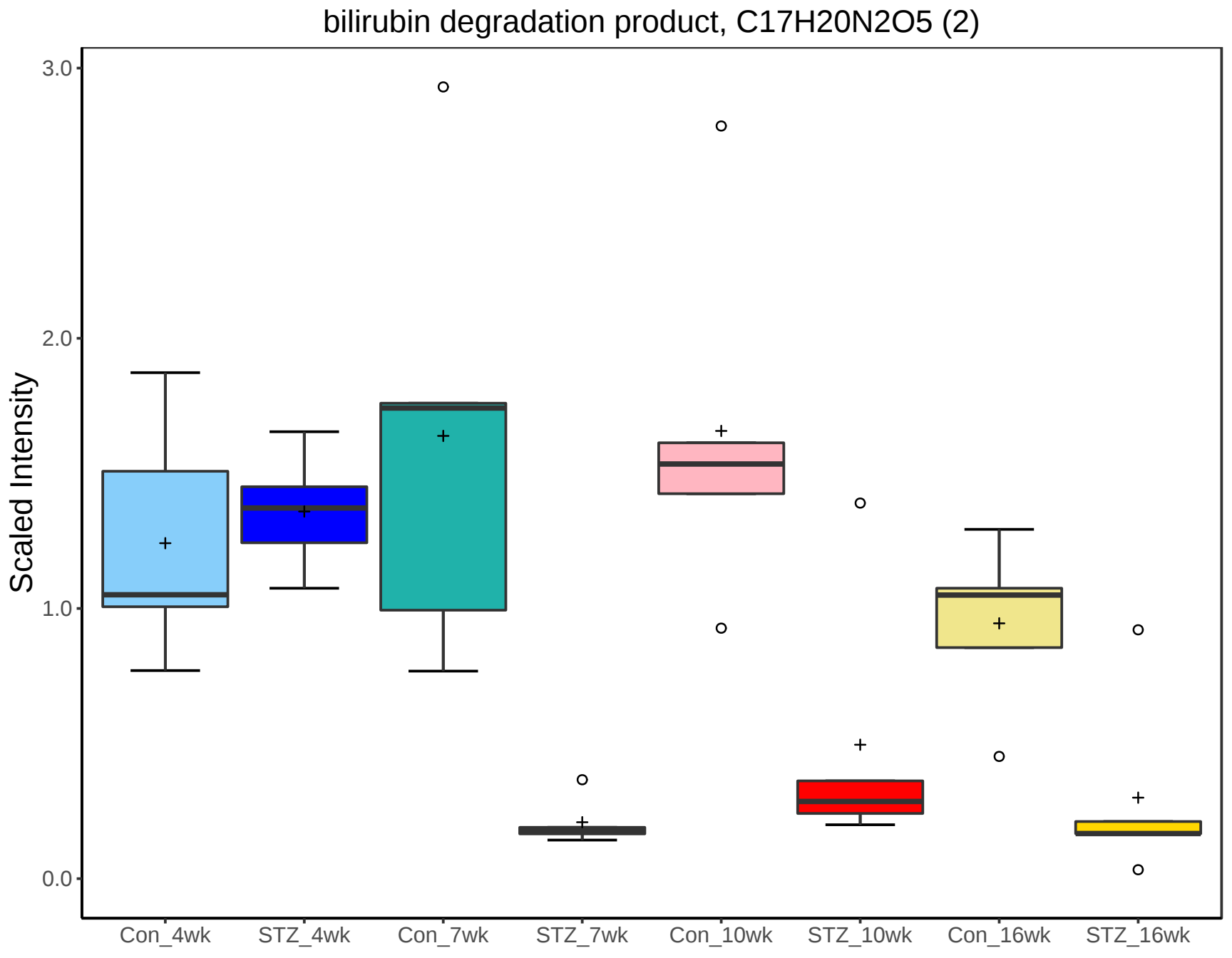

bilirubin degradation product, C16H18N2O5 (2)
Scaled Intensity
2.0
1.5
1.0
0.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk

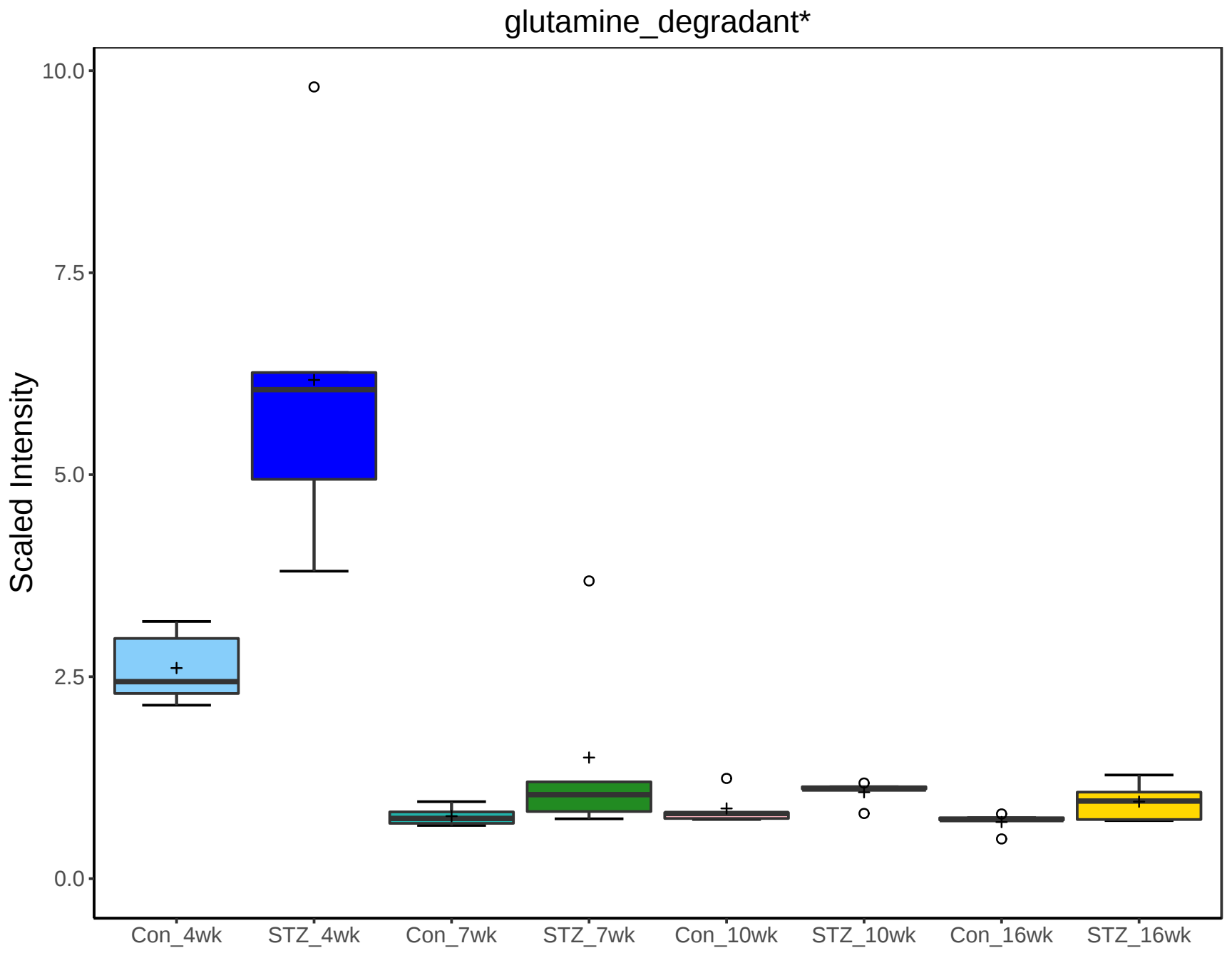

bilirubin degradation product, C17H18N2O4 (1)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk


bilirubin degradation product, C17H18N2O4 (2)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk


bilirubin degradation product, C17H18N2O4 (3)
Scaled Intensity
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk


bilirubin degradation product, C17H20N2O5 (1)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk


bilirubin degradation product, C17H20N2O5 (2)
Scaled Intensity
3.0
2.0
1.0
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk


glutamine_degradant*
Scaled Intensity
10.0
7.5
5.0
2.5
0.0
Con_4wk
STZ_4wk
Con_7wk
STZ_7wk
Con_10wk
STZ_10wk
Con_16wk
STZ_16wk