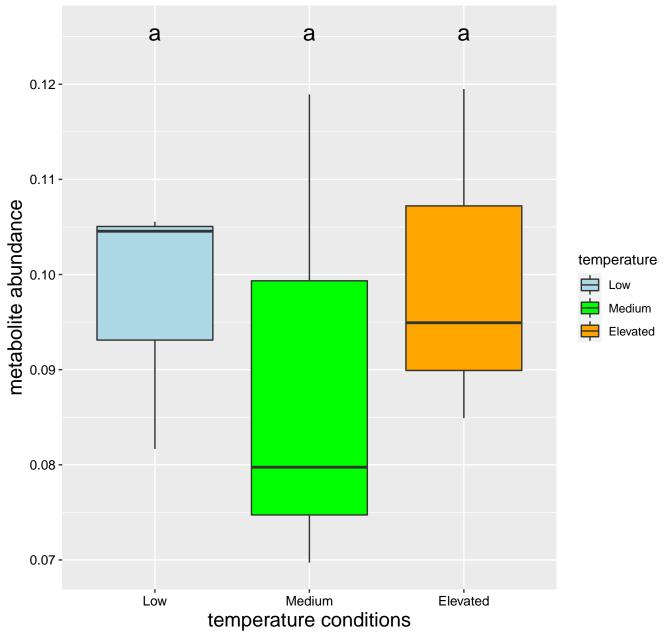
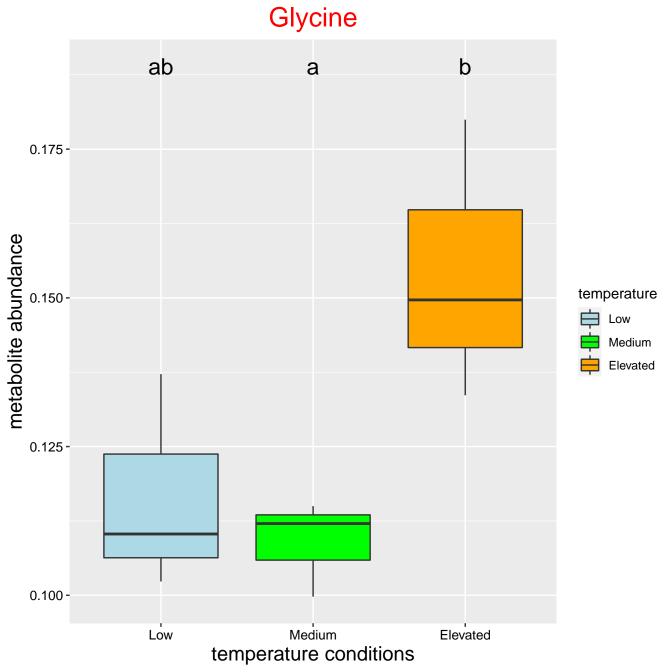


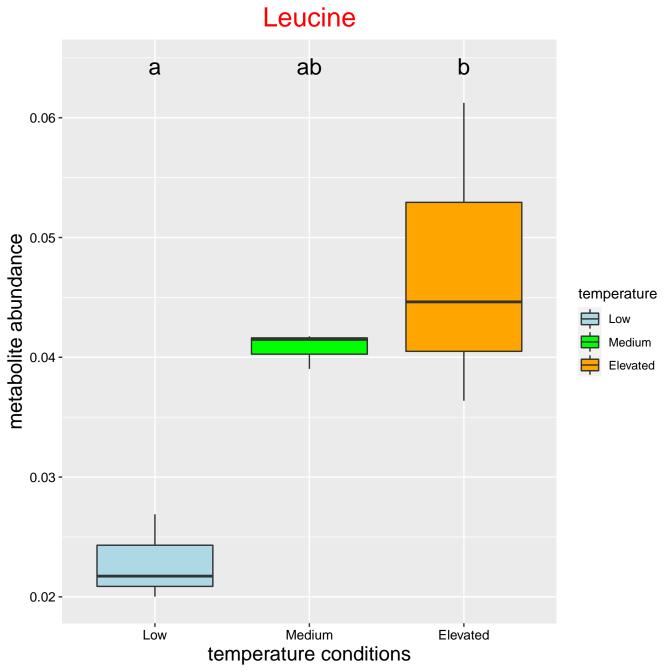
## Glutamine

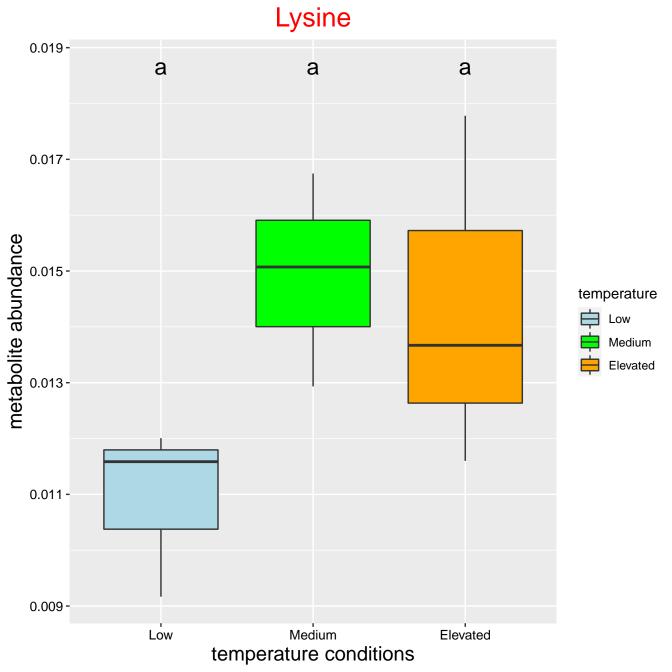


# Glutamate b b 0.9 a 0.8 metabolite abundance temperature Low Medium Elevated 0.5 -0.4-Low Medium Elevated temperature conditions

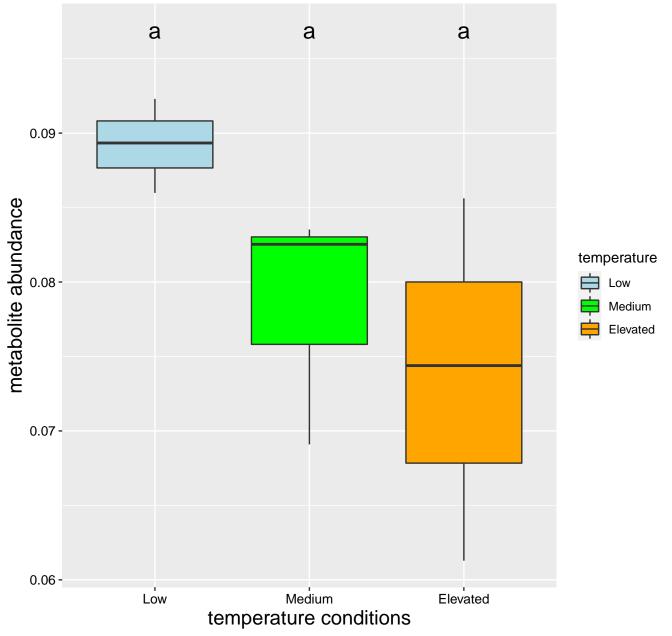


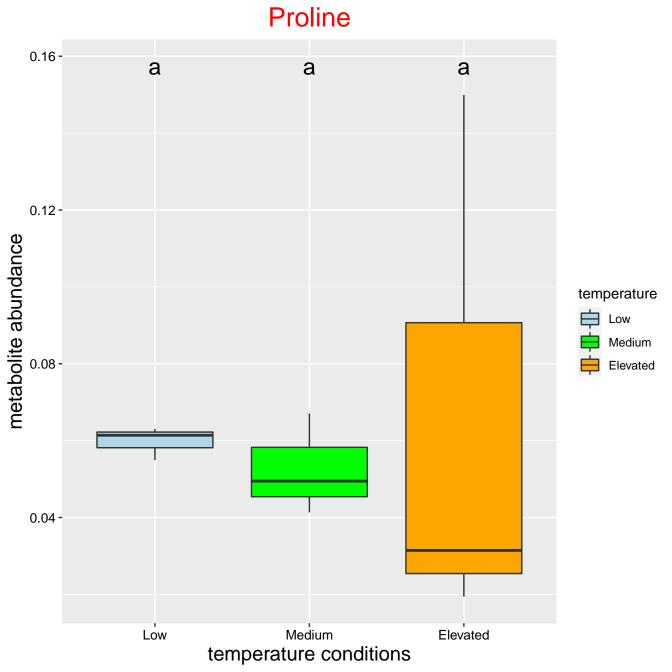
# Isoleucine b b a 0.08 metabolite abundance temperature Low Medium Elevated 0.04 -Low Medium Elevated temperature conditions

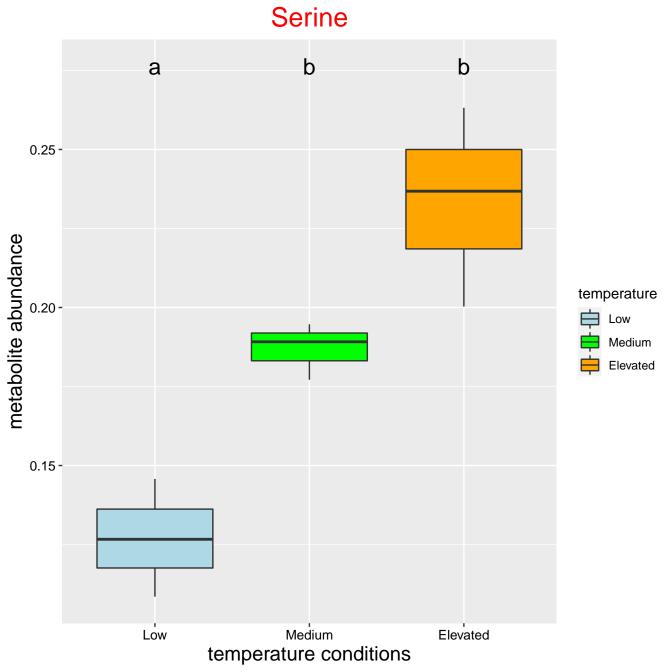




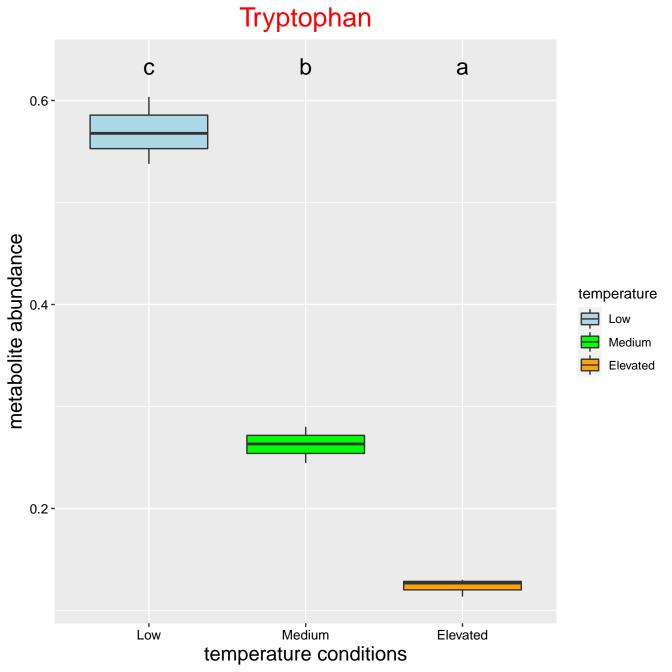
## Phenylalanine

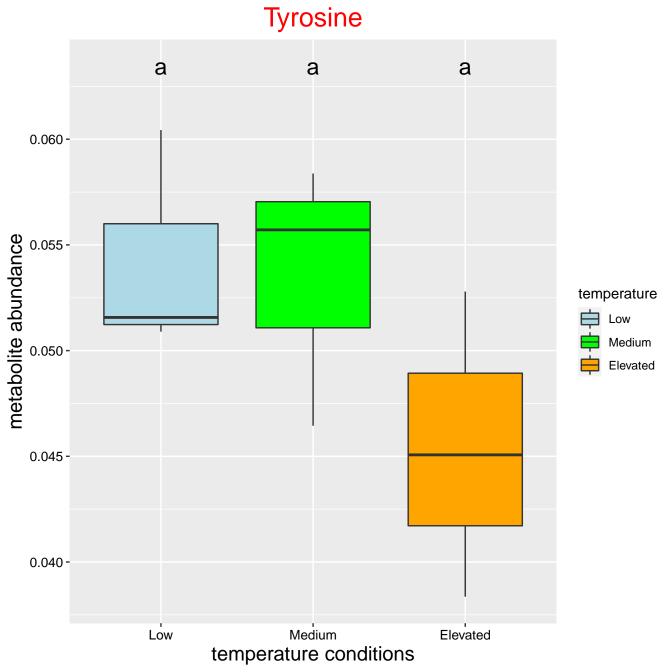


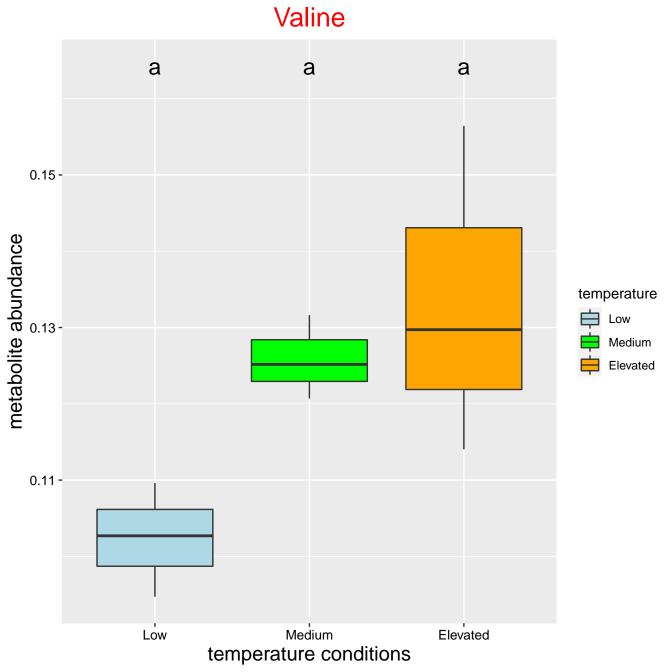




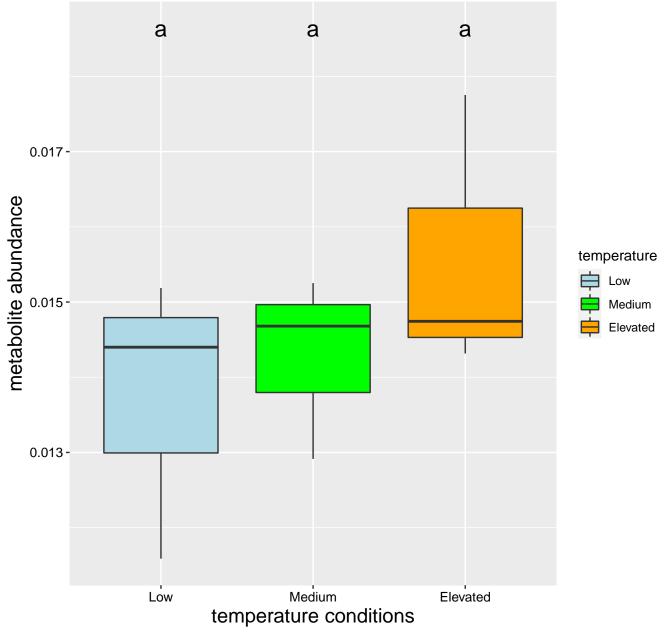
**Threonine** b a 0.15 metabolite abundance temperature Low Medium Elevated Low Medium Elevated temperature conditions



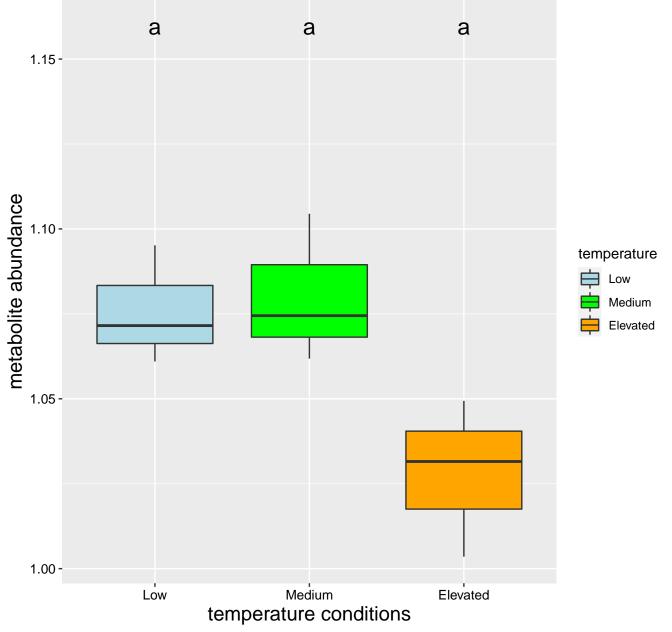




## alpha.Tocopherol

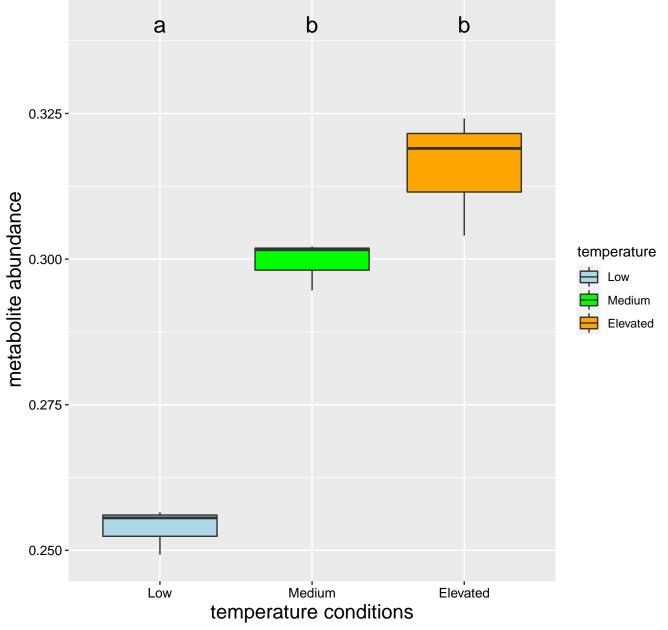


## beta.Sitosterol

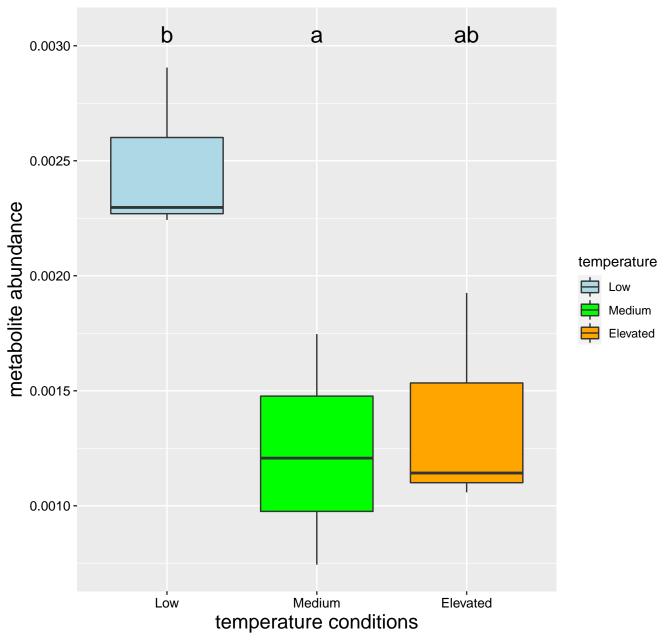


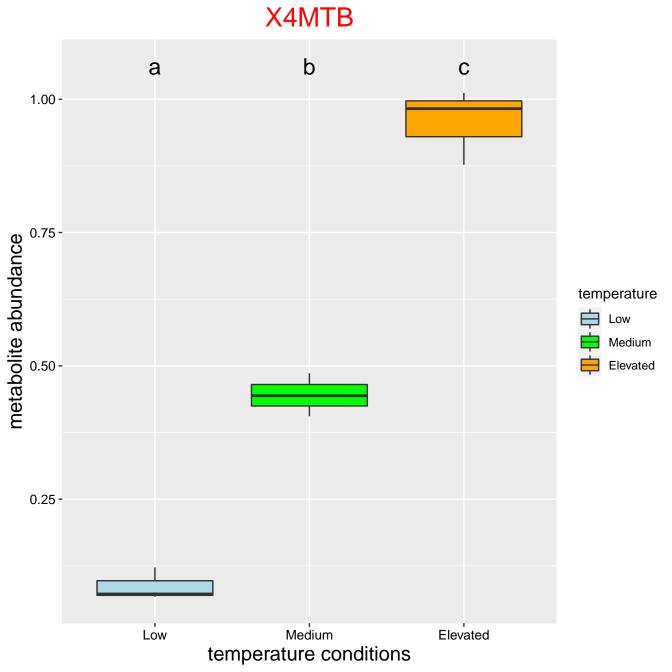
# Campesterol a a a 0.30 metabolite abundance 0.28 temperature Low Medium Elevated 0.26 -Medium Low Elevated temperature conditions

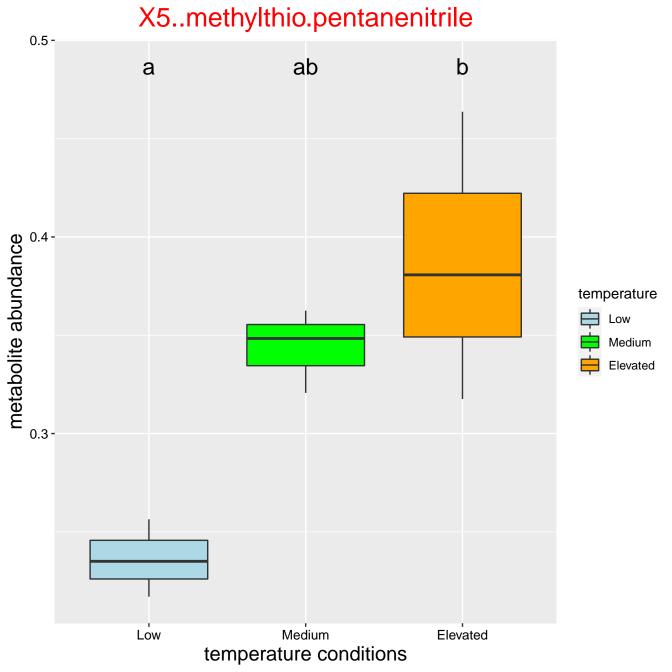
# gamma.Tocopherol

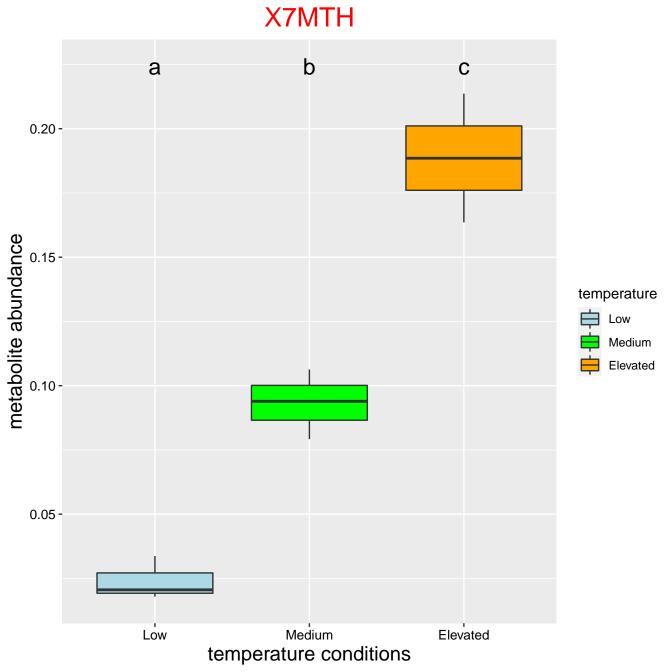


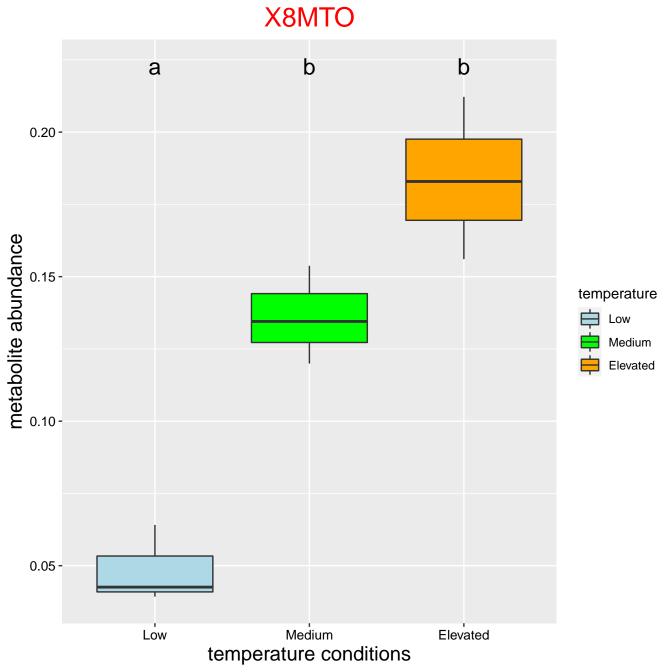
#### Tetracosanoate



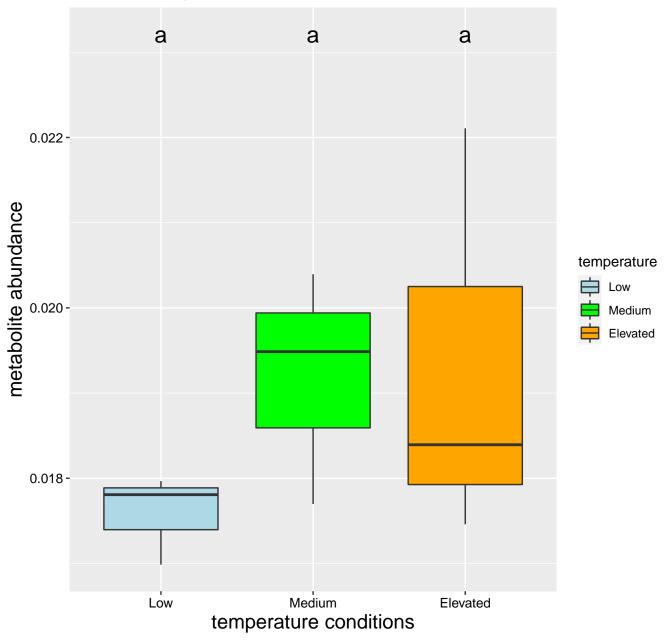




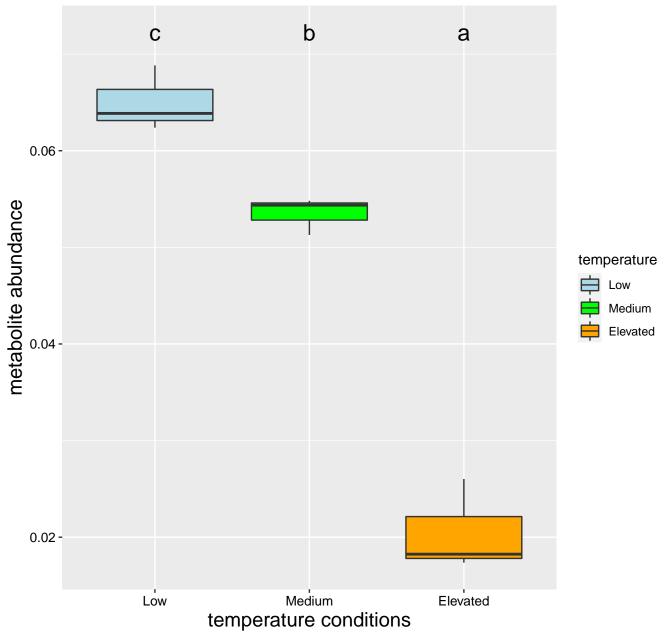




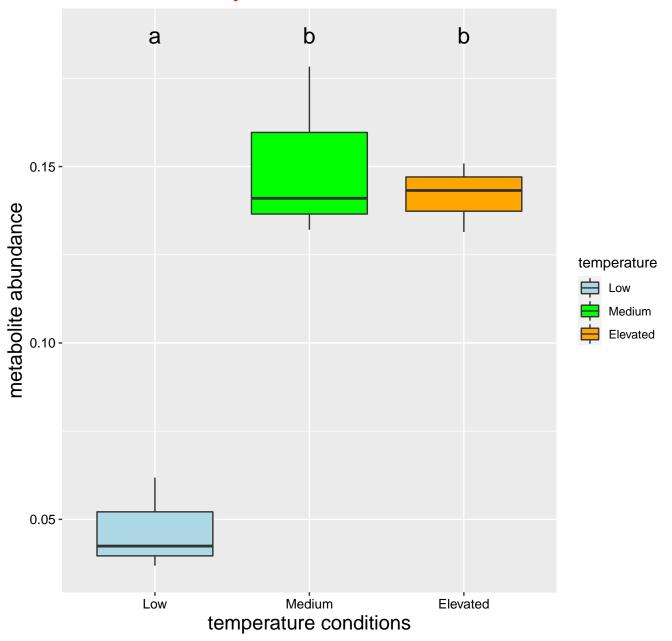
#### BenzoylGlucosinolate.2Breakdown

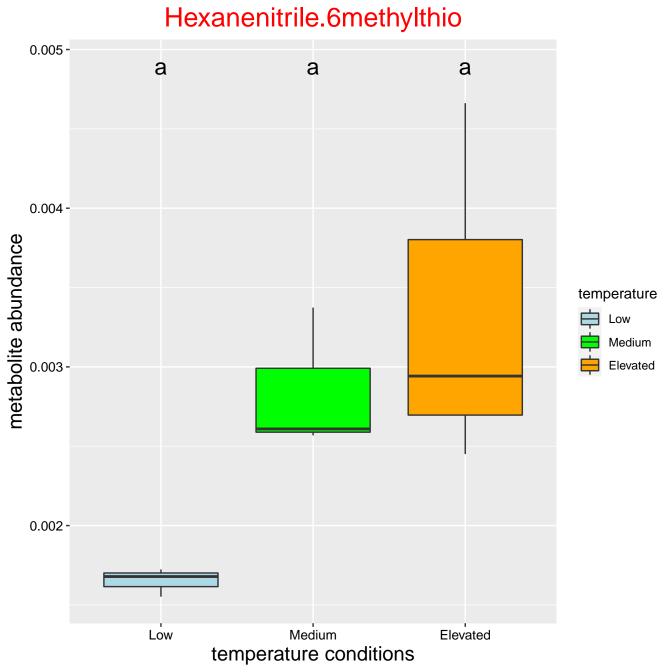


### BenzoylGlucosinolate.3Breakdown

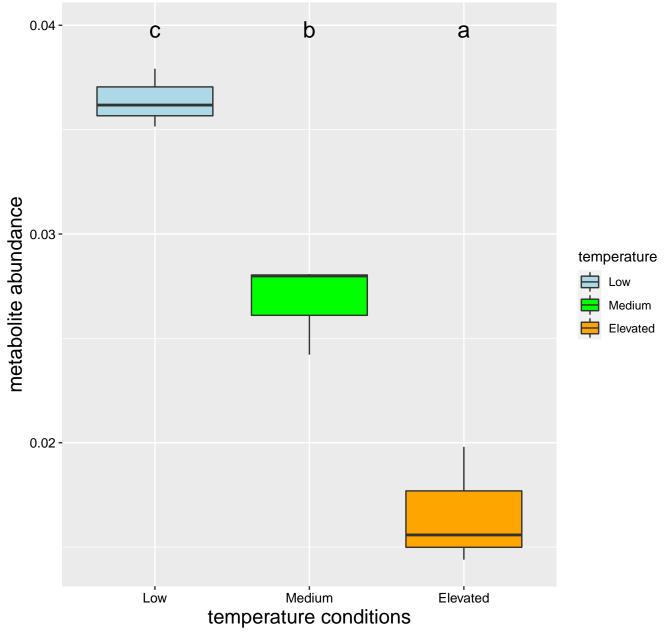


#### BenzoylX.Glucosinolate.3

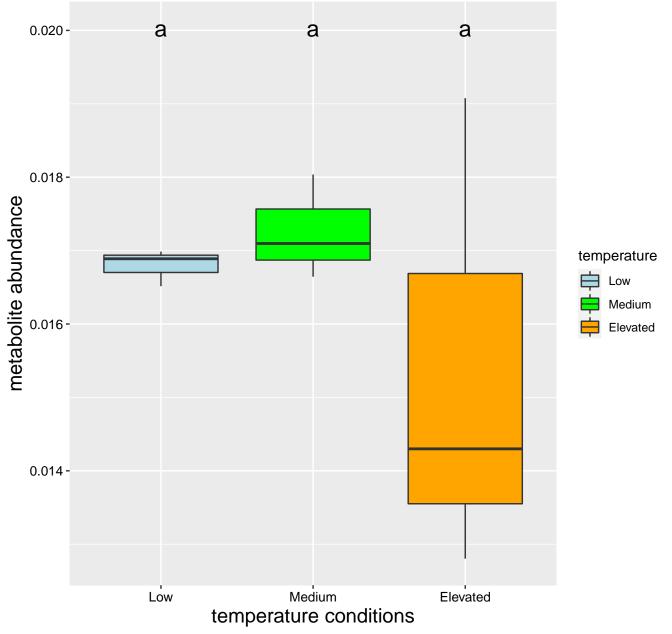


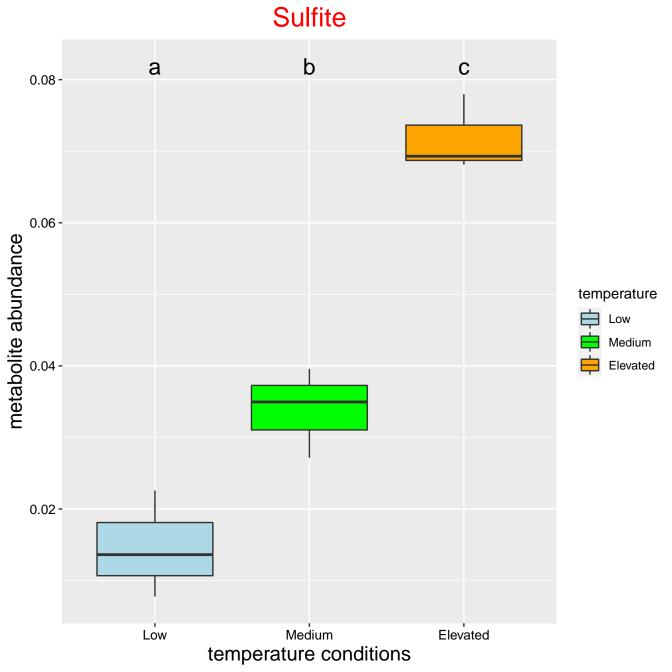


## Nonanenitrile.9.methylthio

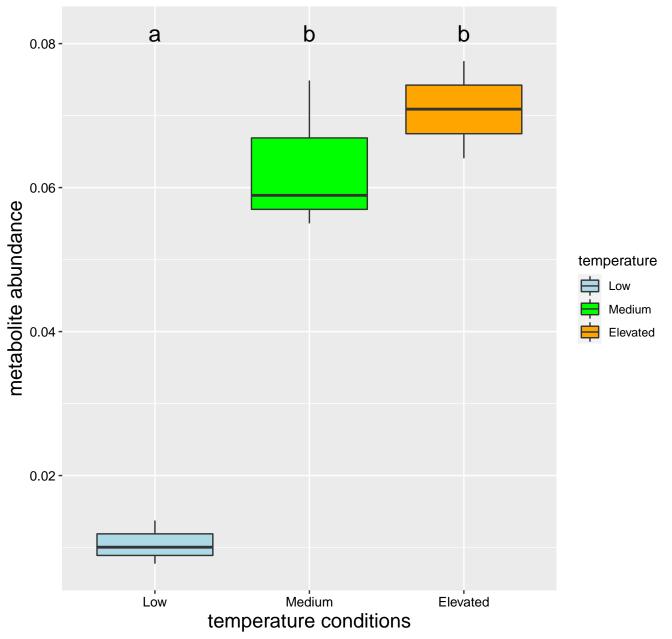


## Octanenitrile.8.methylthio

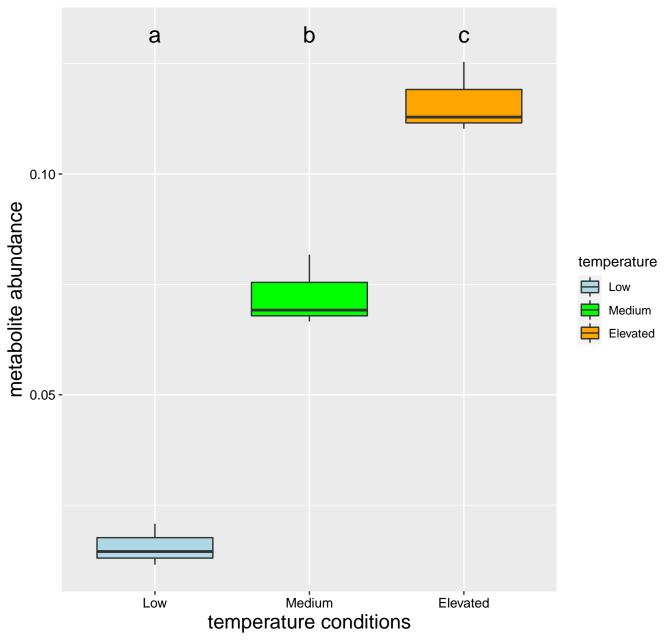




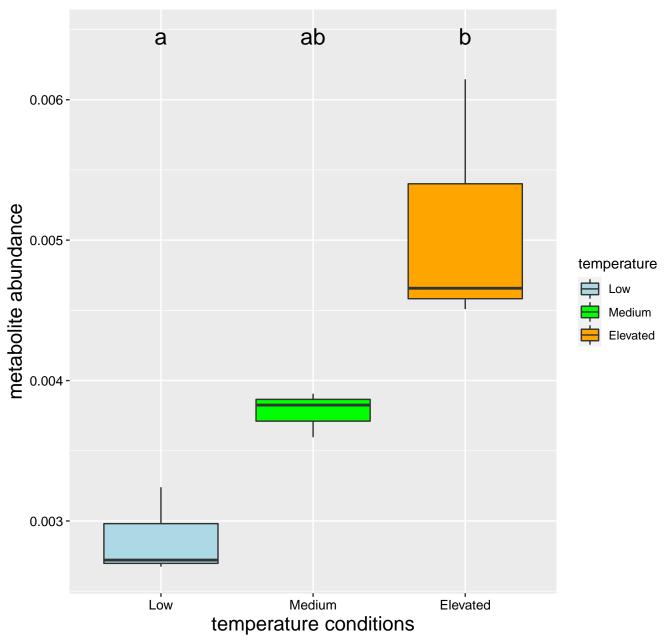
### U2609.4.361



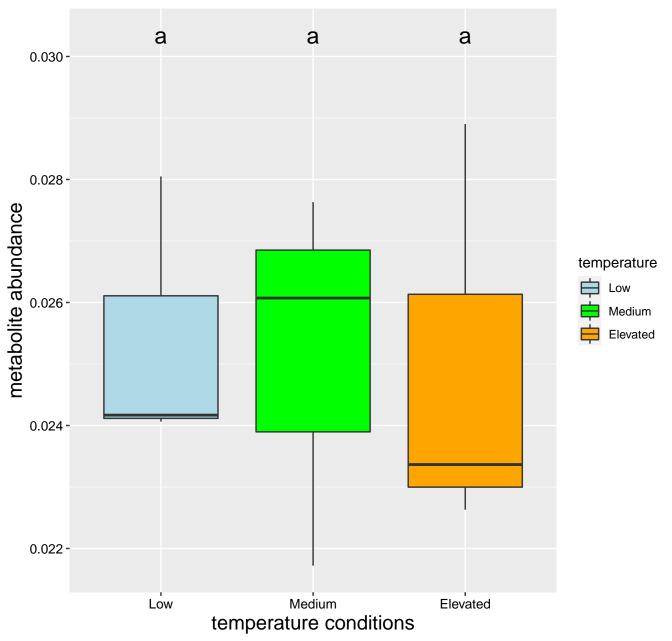
U3122.4.202.I3M.

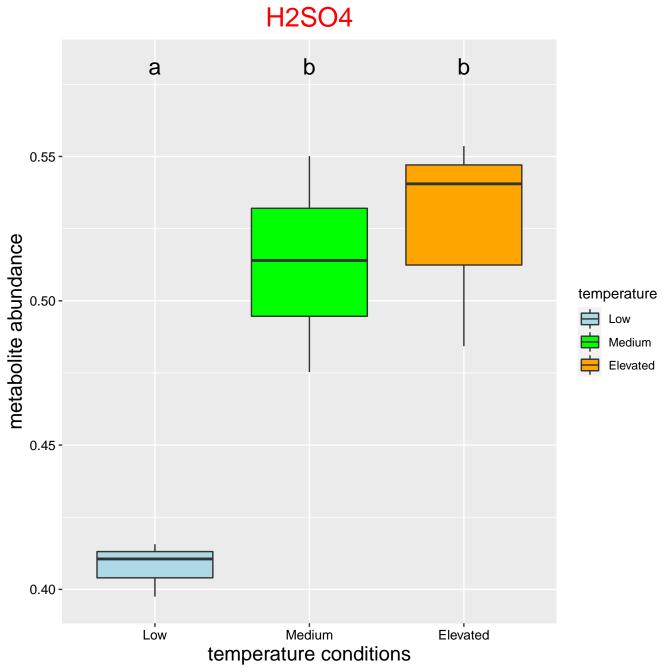


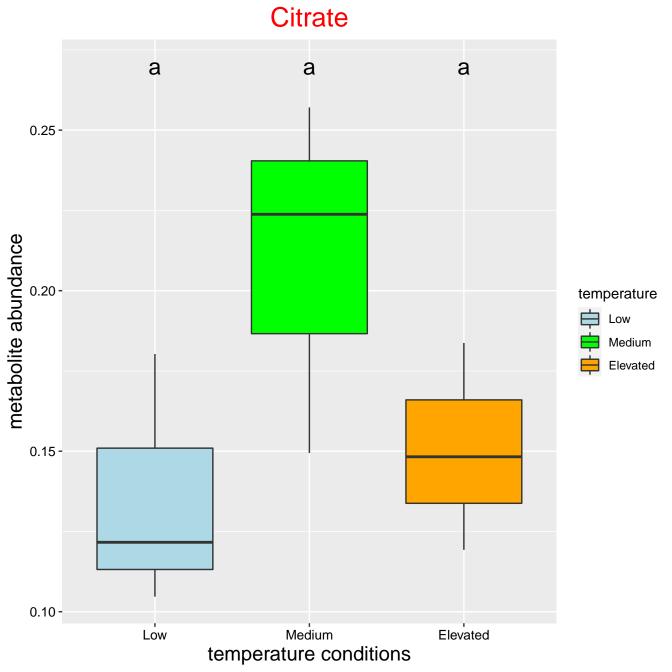
#### UGlucosinolatebreakdown140.4



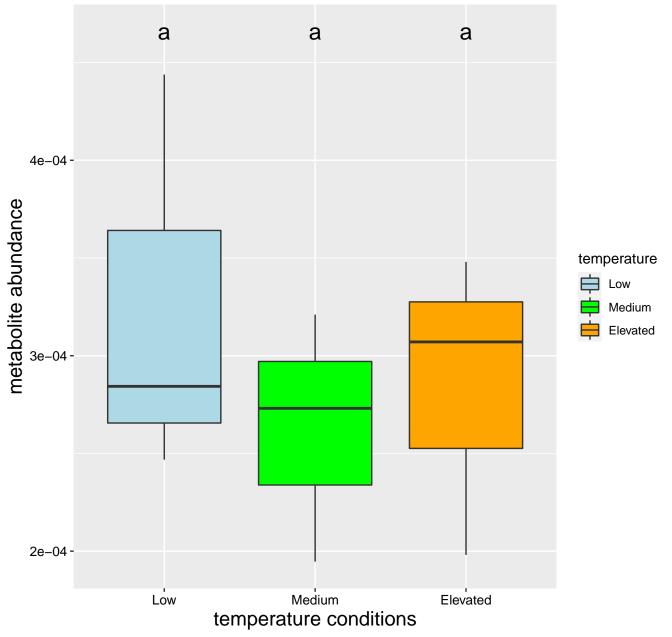
#### UGlucosinolatebreakdown140.5



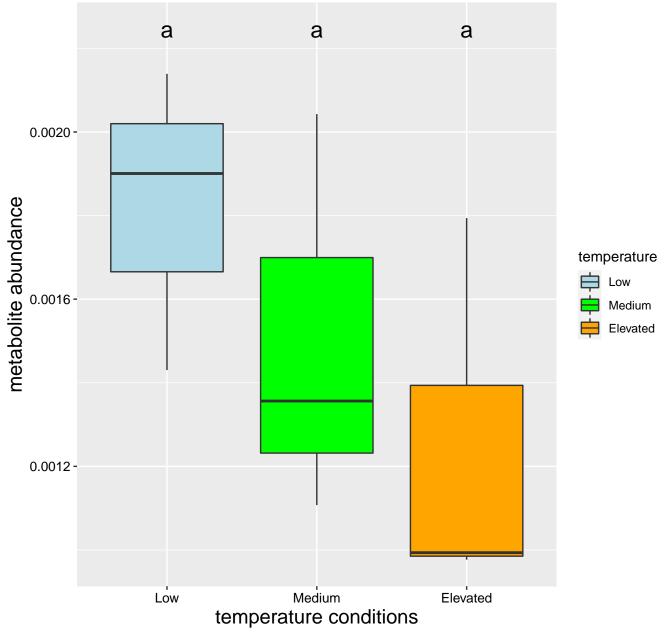


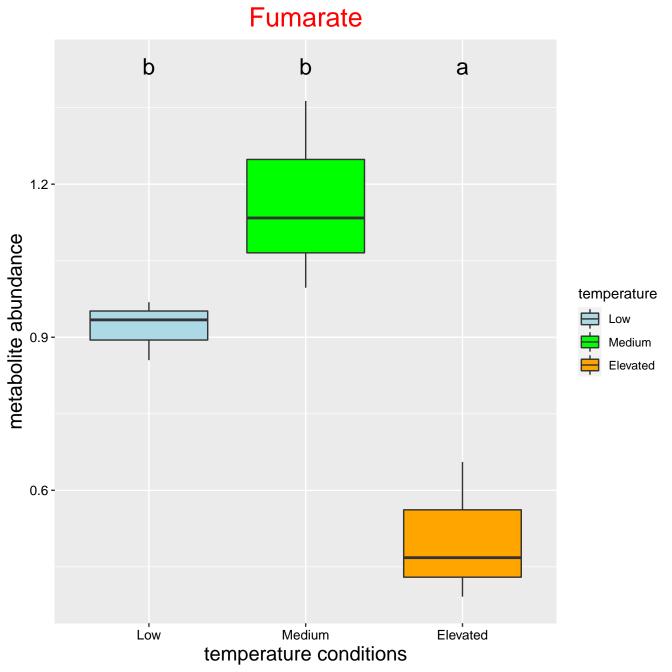


### Dehydroascorbate

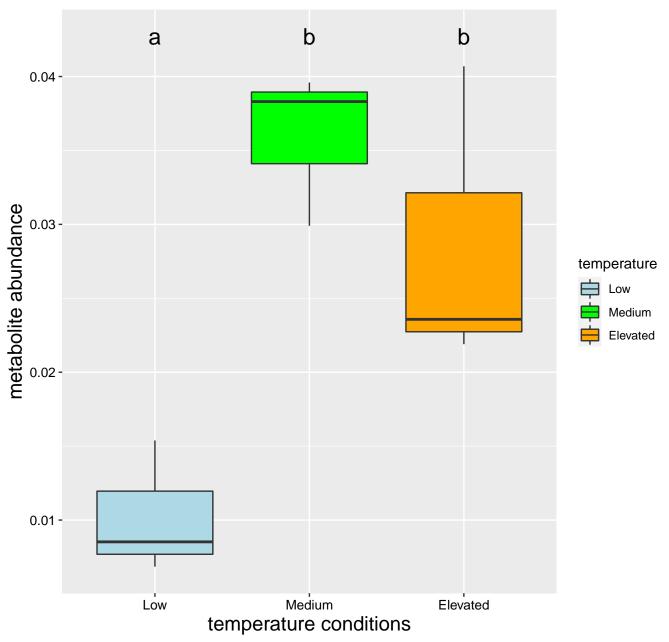


### dihydroxybenzoate

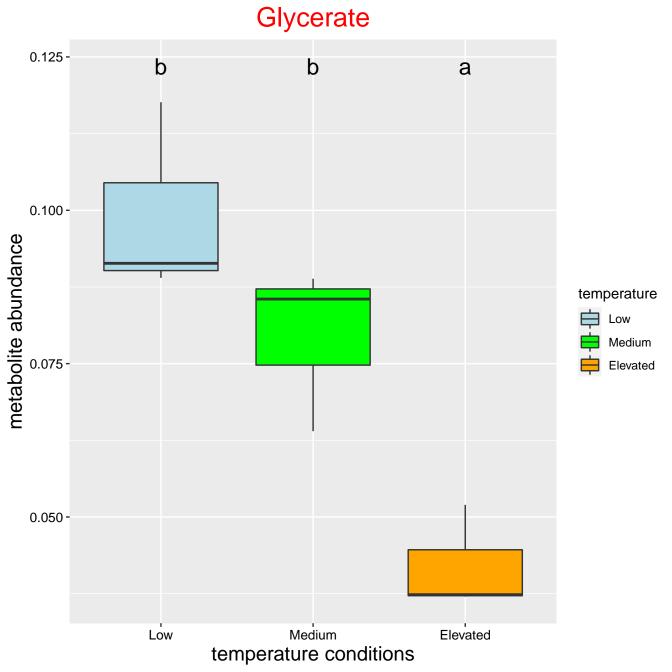


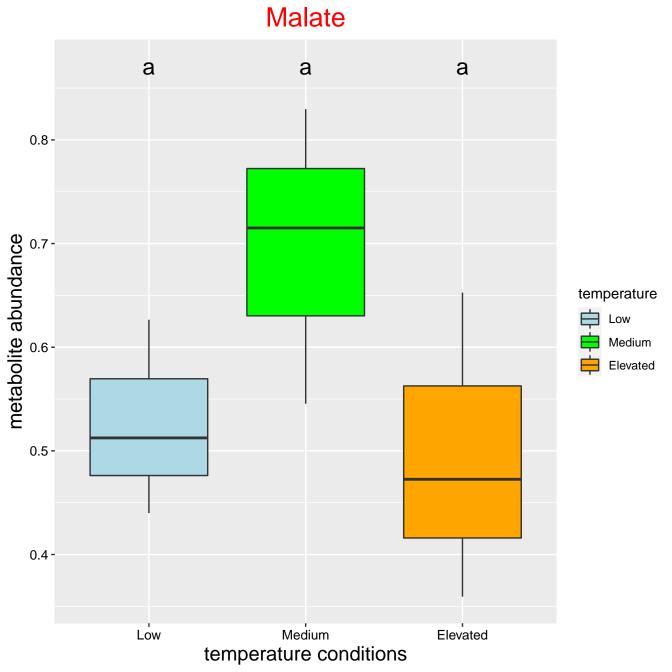


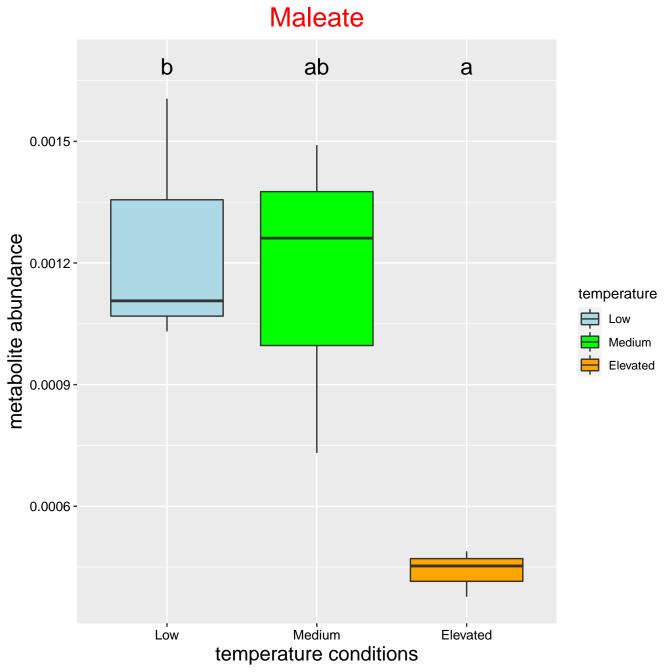
#### Galactonate



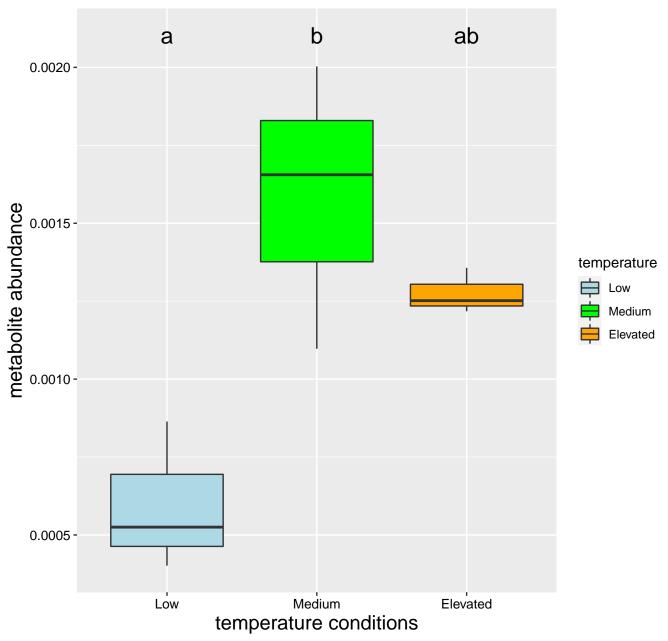
## Gluconate 1.3b ab a 1.2metabolite abundance temperature Low Medium Elevated 0.9 -0.8-Medium Low Elevated temperature conditions



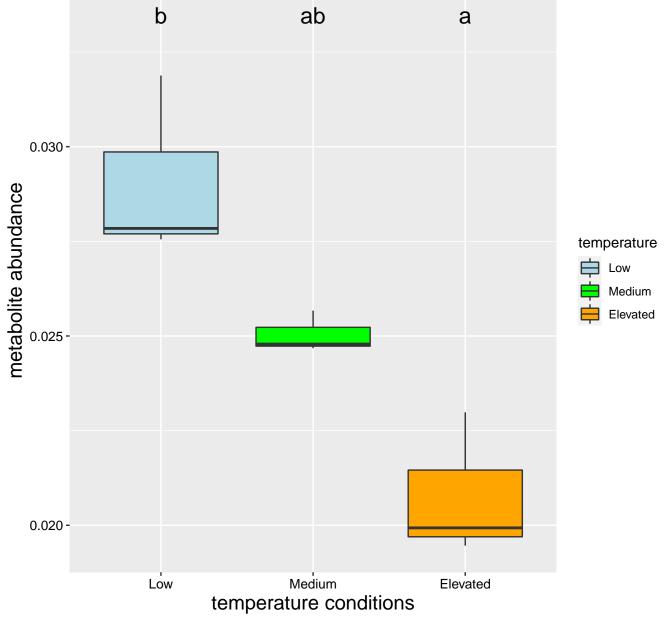




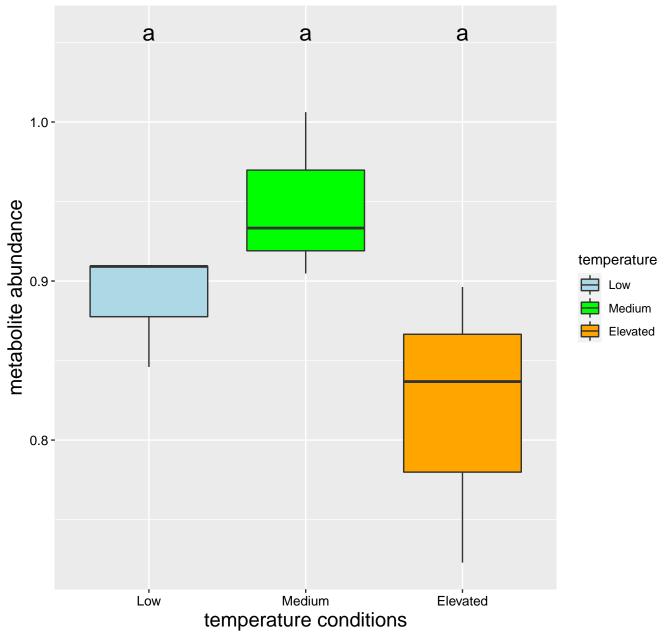
#### Pentonate.4



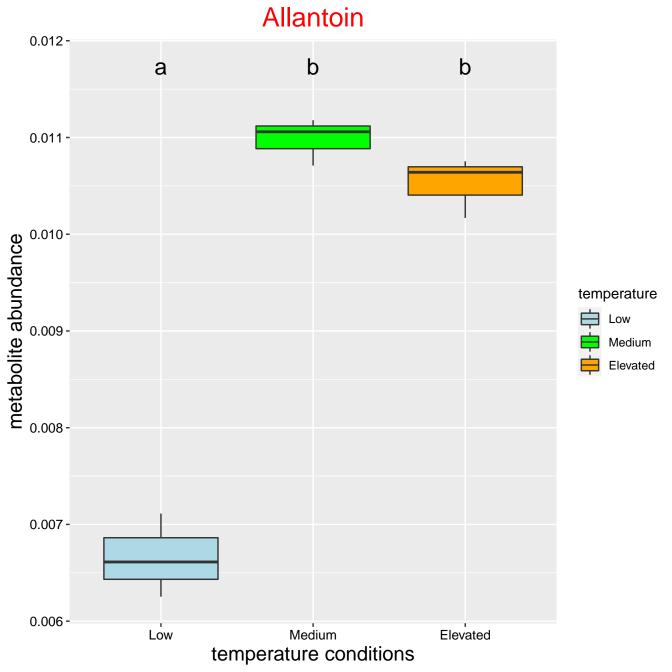
# Sinapinate.cis ab

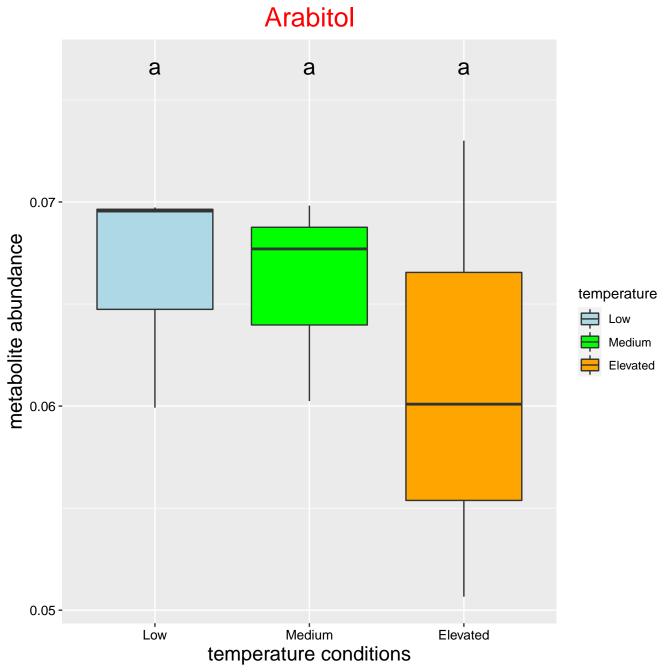


#### Sinapinate.trans

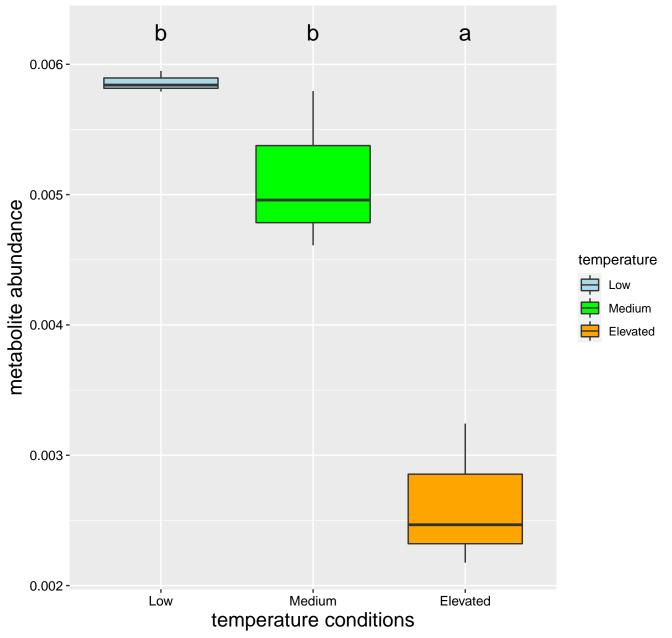


# **Succinate** b b a 0.3 metabolite abundance temperature Low Medium Elevated 0.1 -Medium Elevated Low temperature conditions



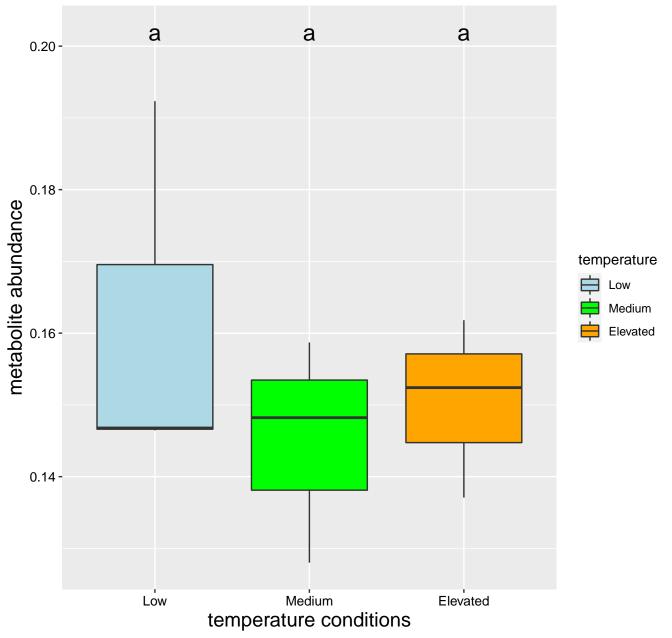


#### beta.indole.3.acetonitrile

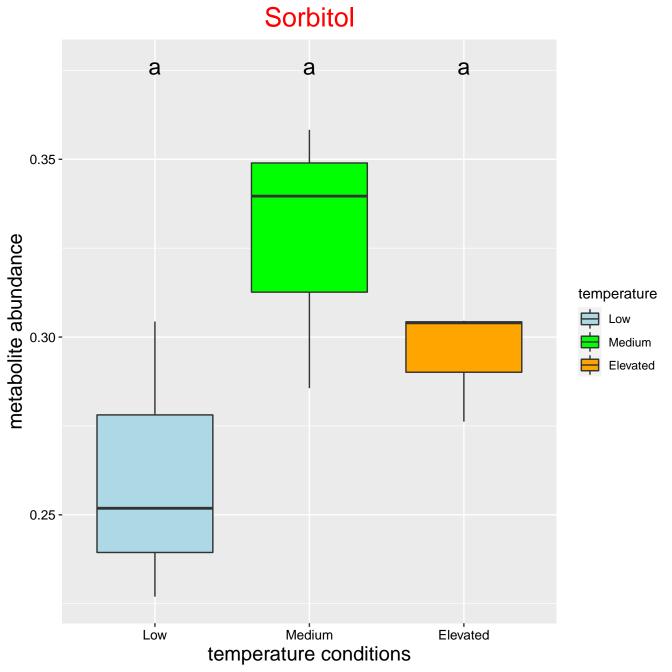


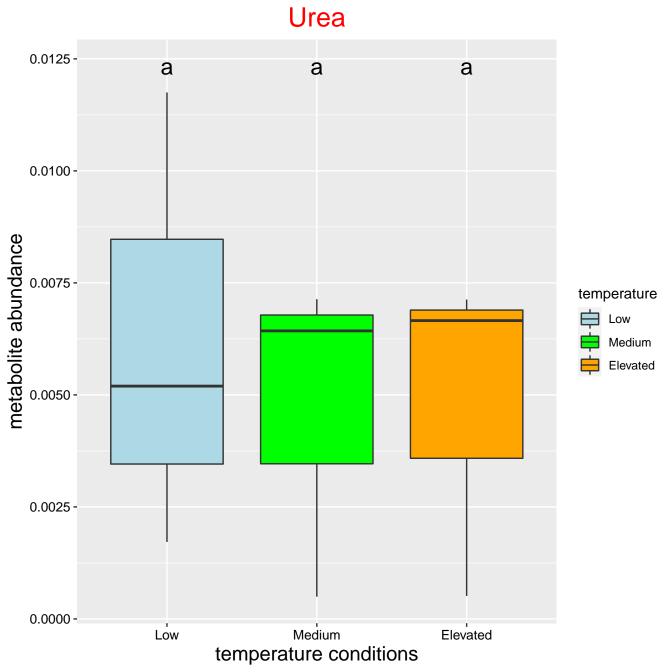
**Erythritol** a a a 0.035 metabolite abundance temperature Low Medium Elevated 0.025 -Low Medium Elevated temperature conditions

#### Ethanolamine

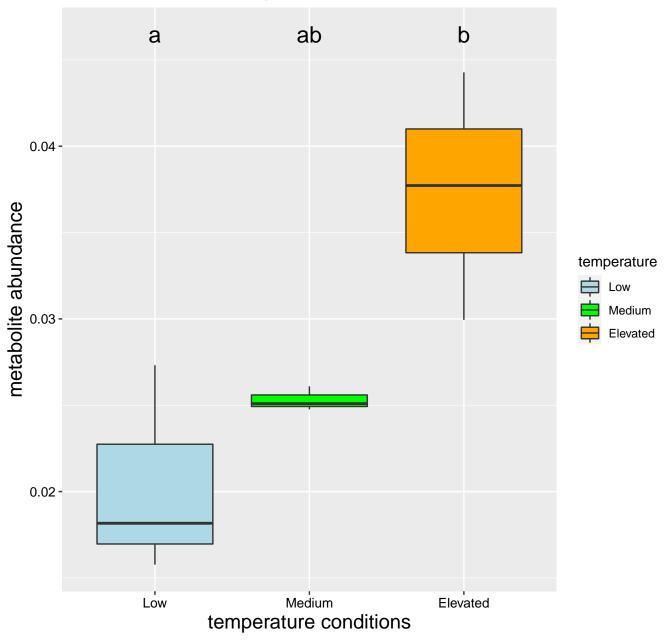


myo.Inositol ab b a 0.80 metabolite abundance 0.75 temperature Low Medium Elevated 0.70 -Low Medium Elevated temperature conditions

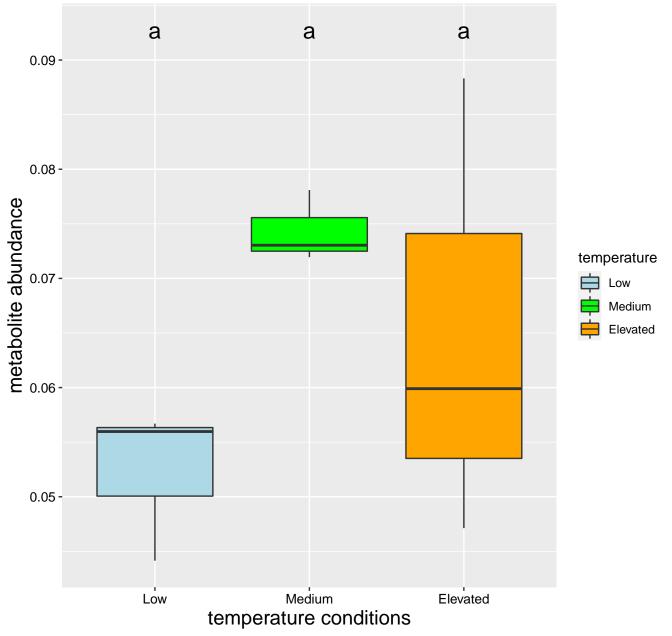




### Glycerol.3.P



## myo.Inositol.1.P

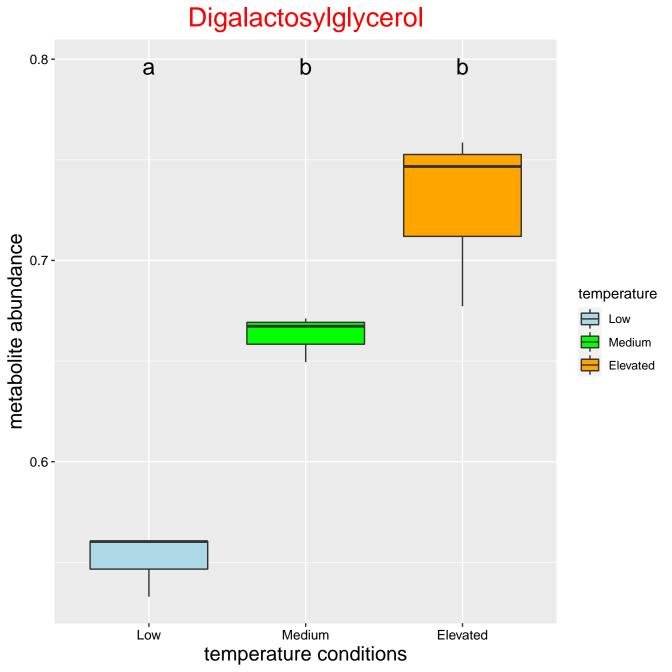


## **Phosphate** a a a 2.4 -2.3metabolite abundance temperature Low Medium Elevated 2.0-1.9-Medium Low Elevated temperature conditions

U2206.2.299 0.0200 a a a 0.0175 metabolite abundance temperature Low Medium Elevated 0.0125 -0.0100 -Low Medium Elevated temperature conditions

## Anhydroglucose b b a 0.30 -0.25 metabolite abundance ୍ଦ୍ର temperature Low Medium Elevated 0.15 -0.10 -Low Medium Elevated temperature conditions

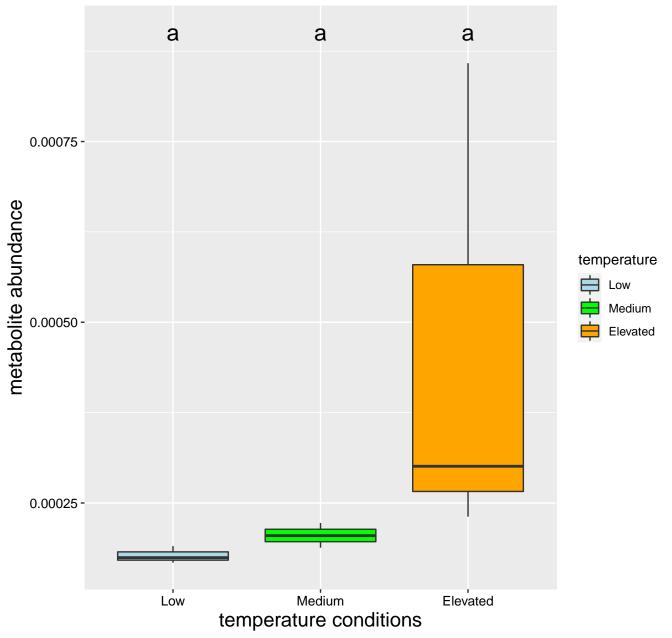
# **Arabinose** ab a b 0.16 metabolite abundance temperature Low Medium Elevated 0.12 -Medium Low Elevated temperature conditions



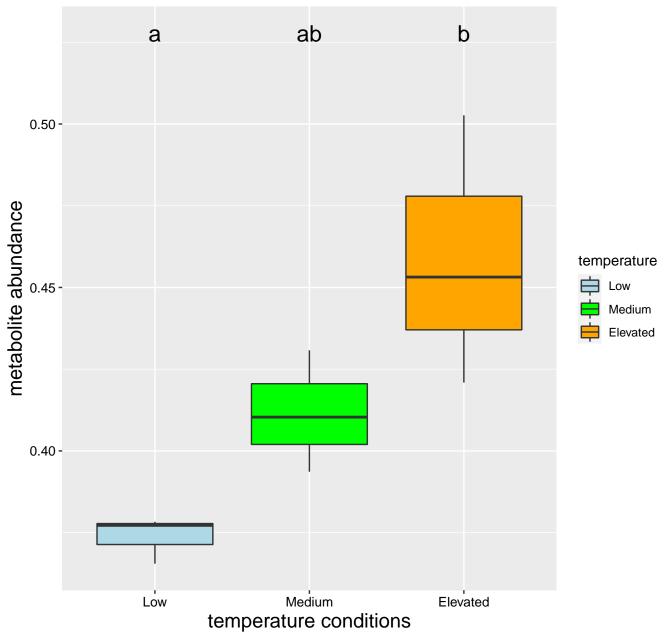
# Galactinol b a 2.0metabolite abundance temperature Low Medium Elevated 1.0-0.5 -Low Medium Elevated temperature conditions

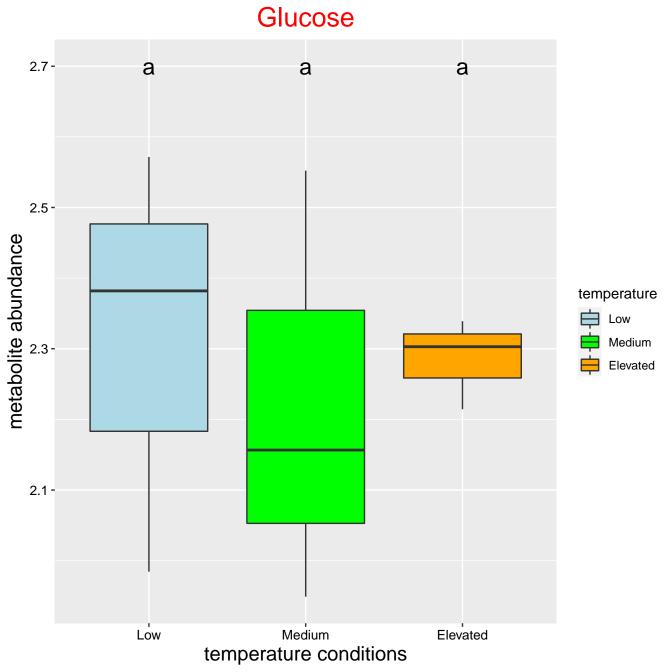
# Galactose b b 0.25 a 0.20 metabolite abundance temperature Low Medium Elevated 0.10-Low Medium Elevated temperature conditions

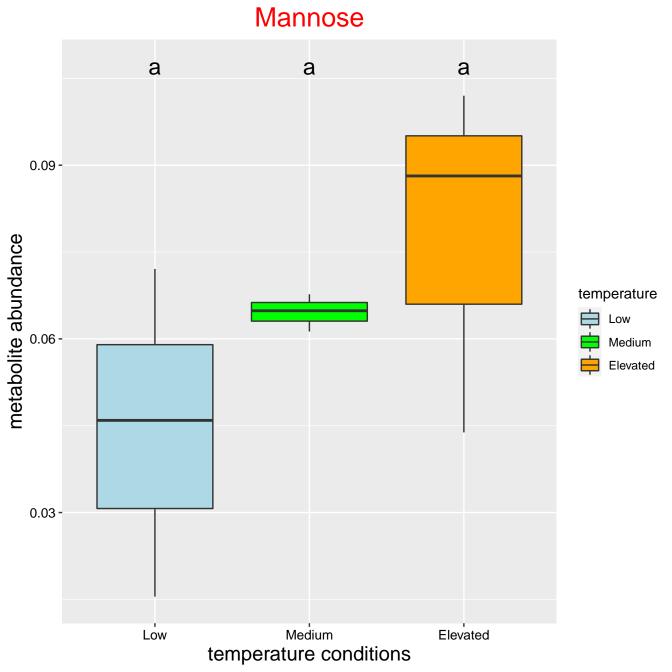
#### Galactosylglycerol

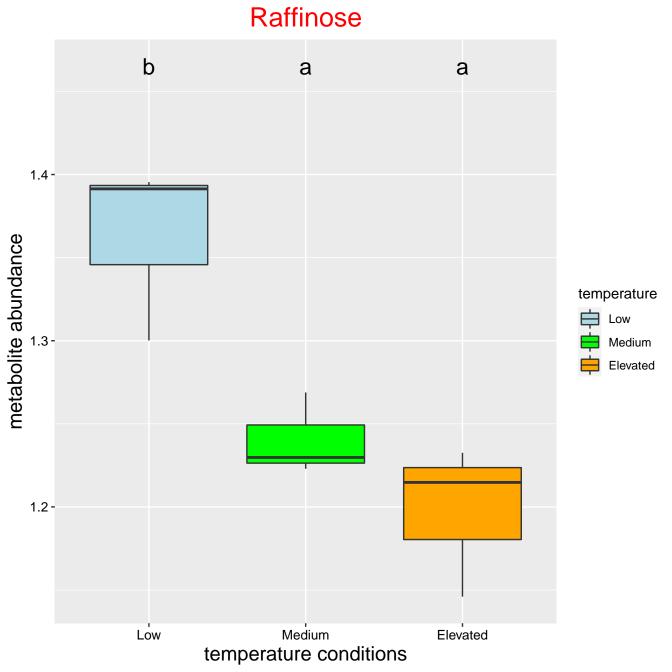


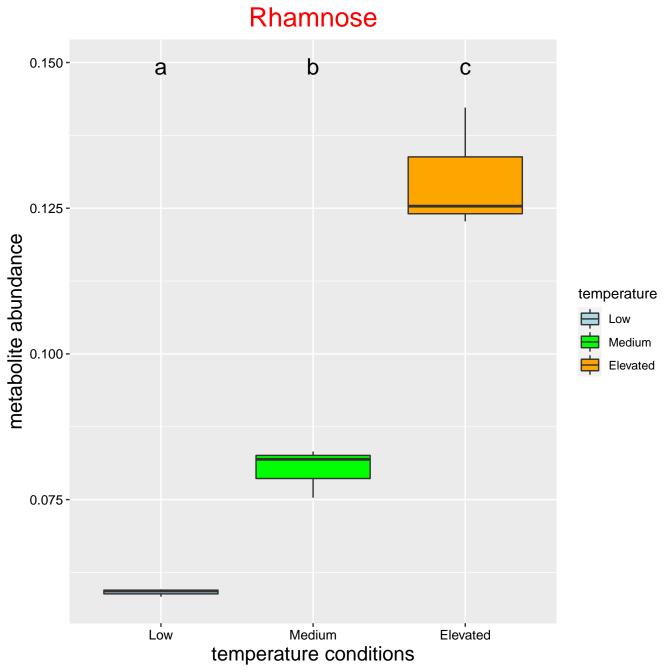
Glucopyranose..H2O.

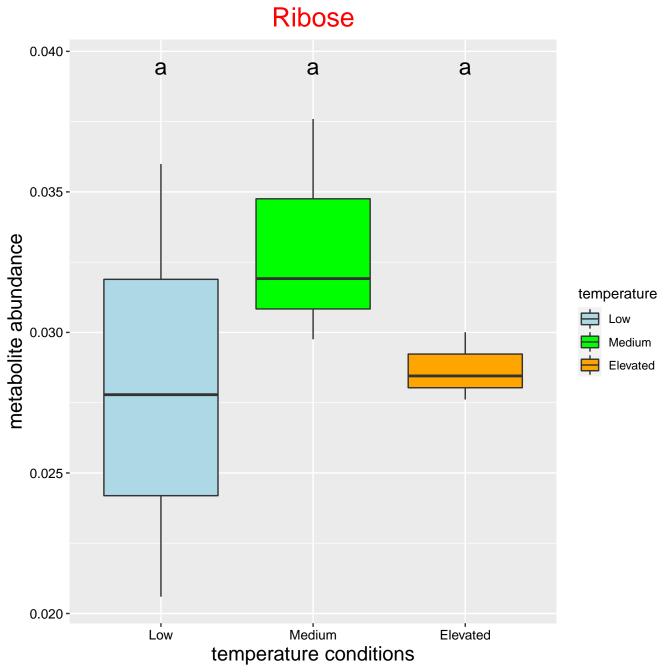


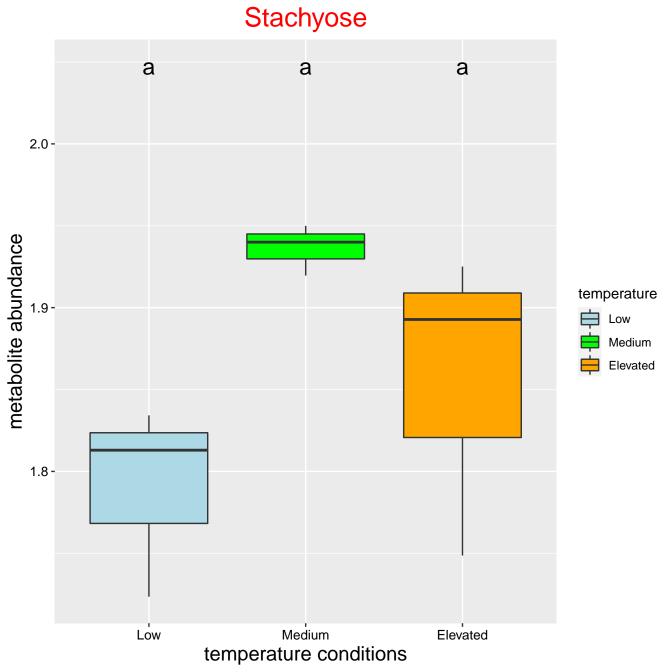






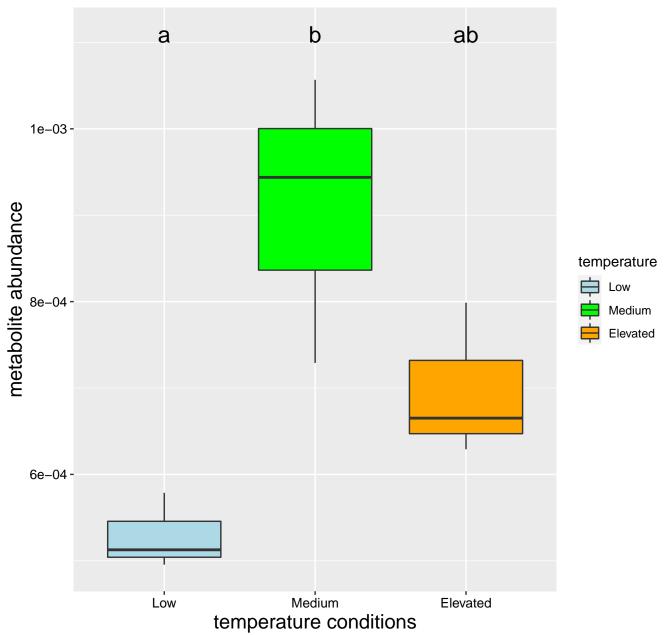




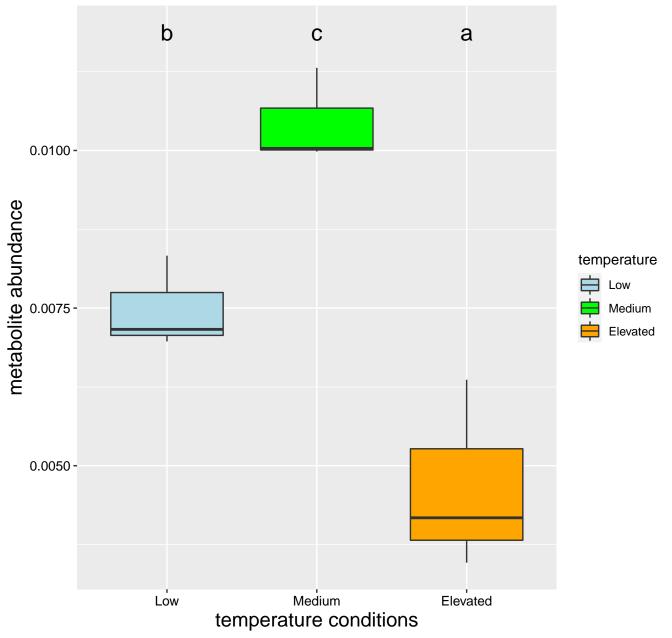


# Sucrose b b a 4.6metabolite abundance 4.5 temperature Low Medium Elevated 4.3 -4.2 -Medium Low Elevated temperature conditions

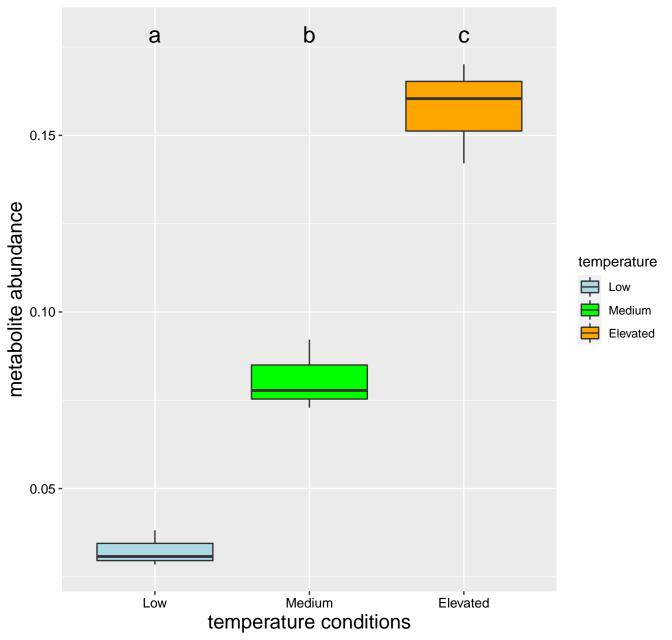
U1093.6.147



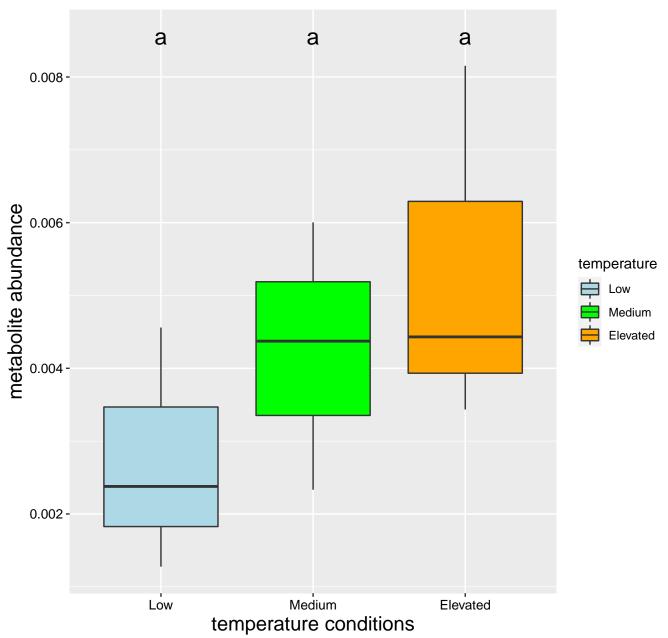
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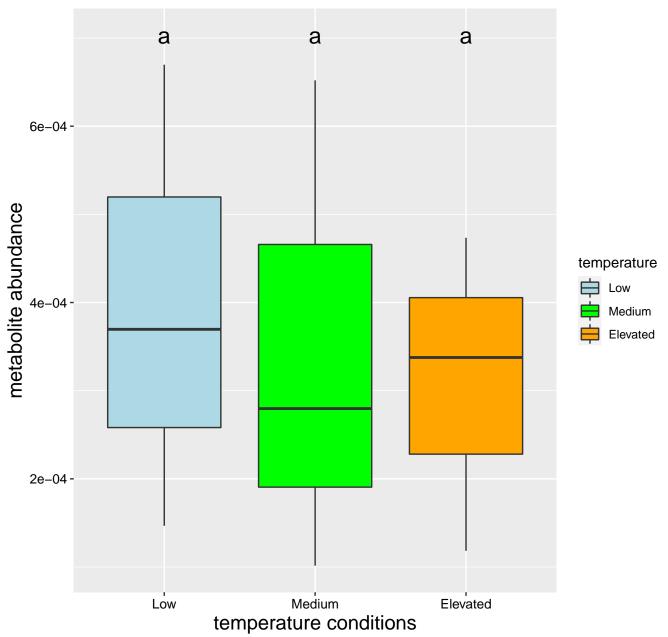
## U1270.1.240



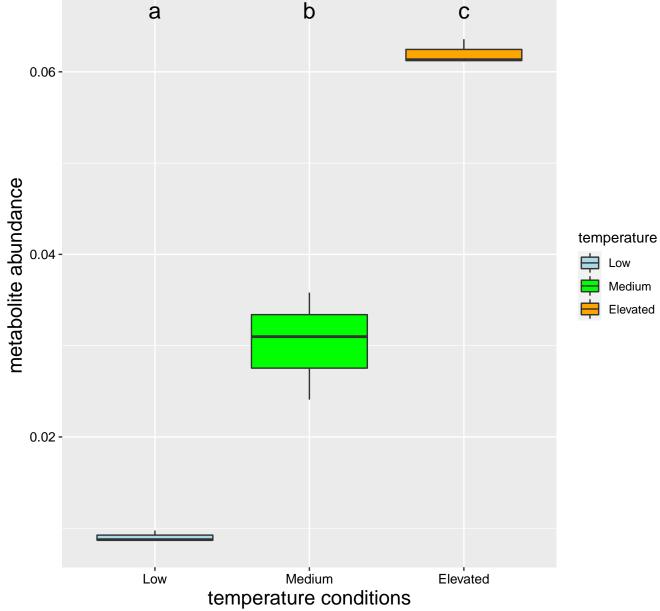
U1290.198



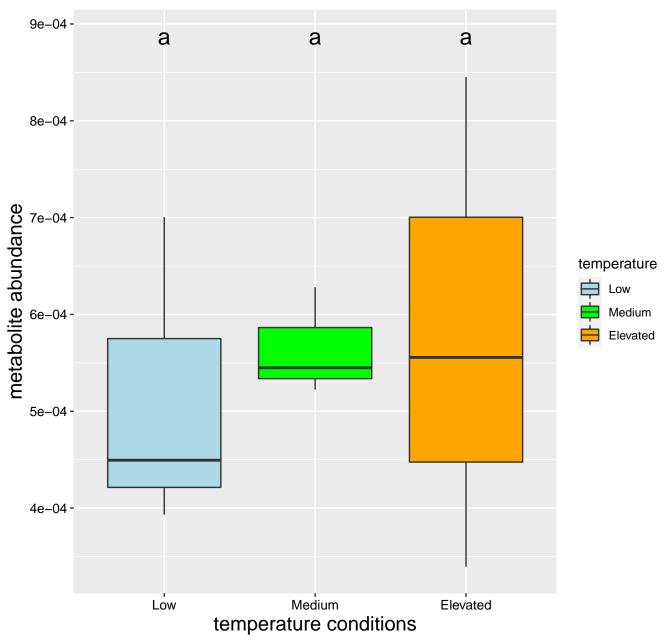
U1371.5.151



U1408.4.298 b a 0.06 -



U1541.8.263



U1549.7.130 0.006 a a a 0.005 metabolite abundance temperature Low Medium Elevated 0.002 -0.001 -

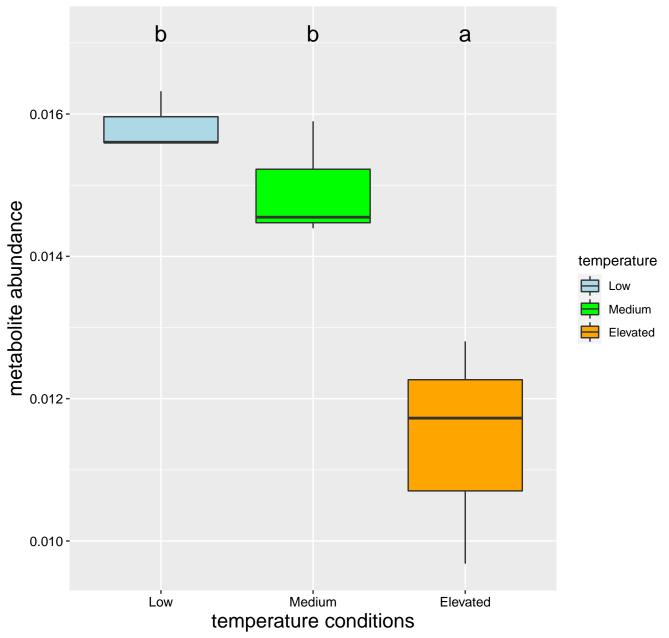
Medium

temperature conditions

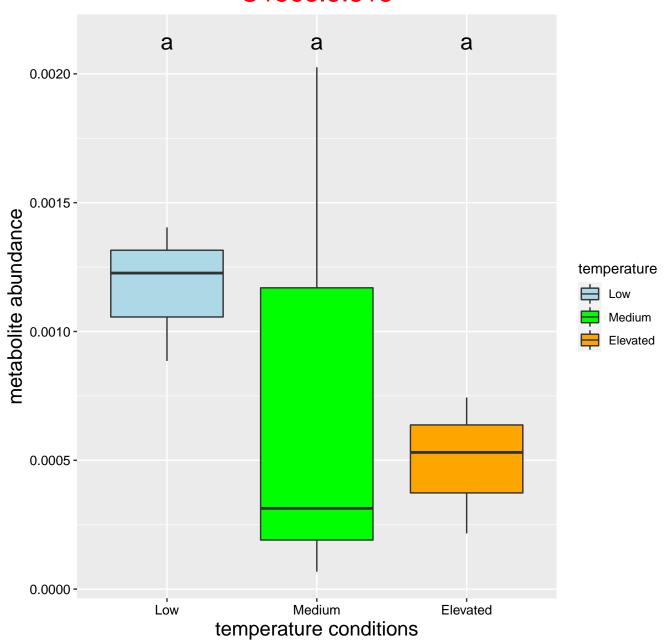
Elevated

Low

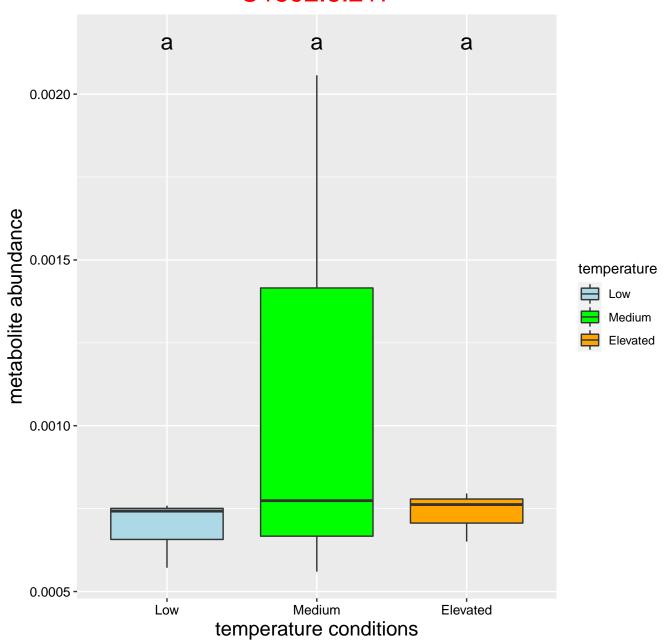
## U1559.4.217



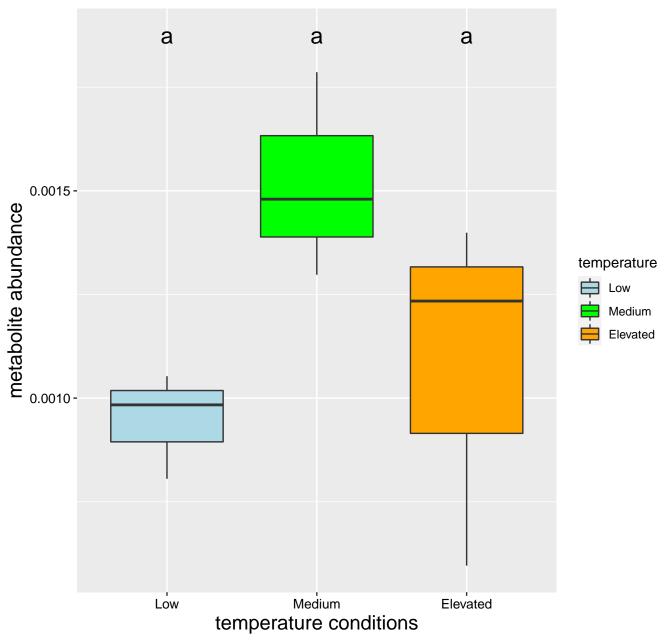
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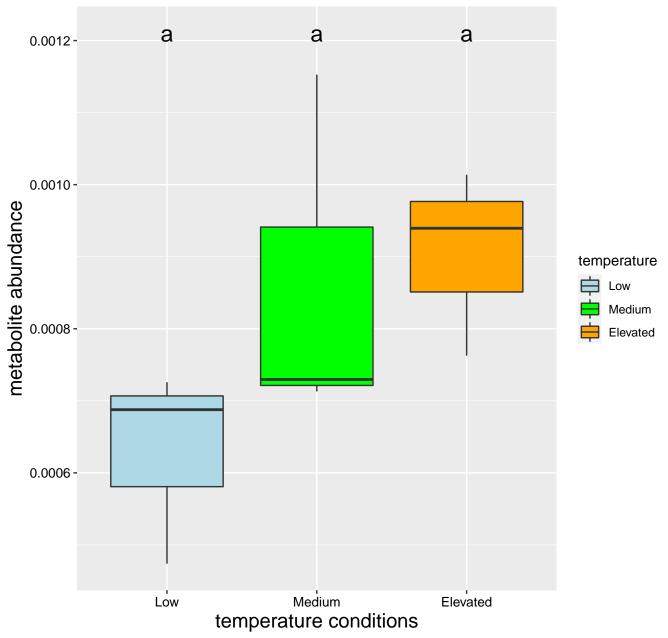
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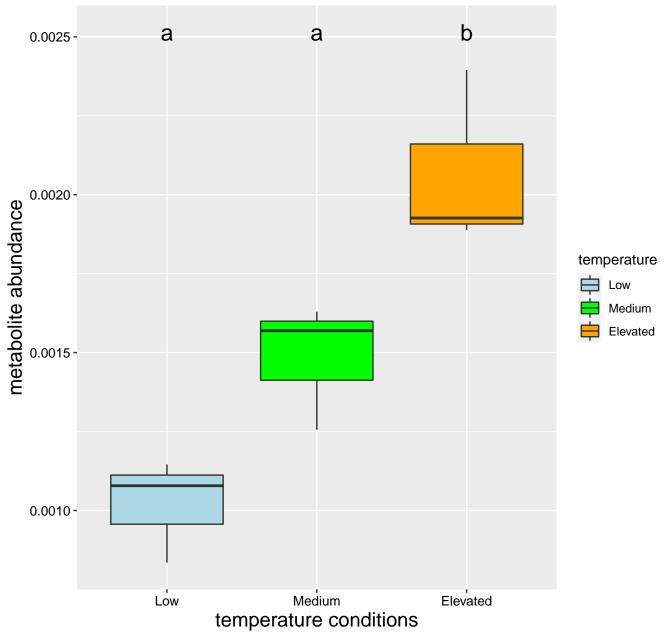
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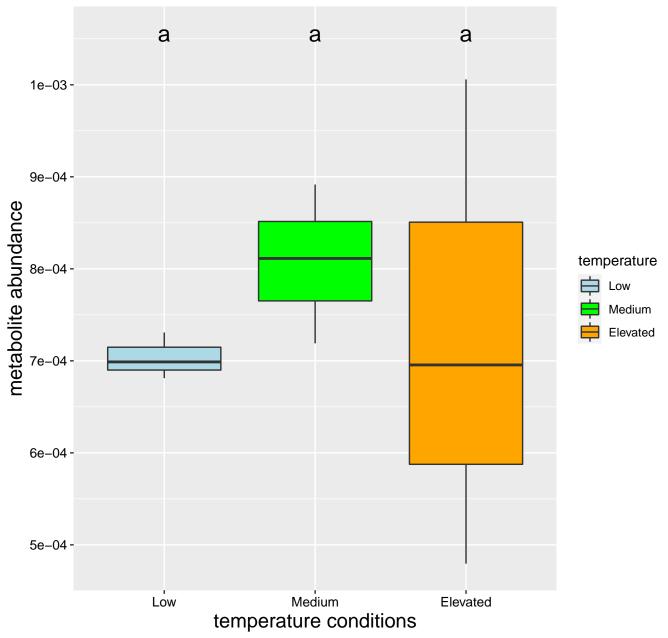
U1700.6.288



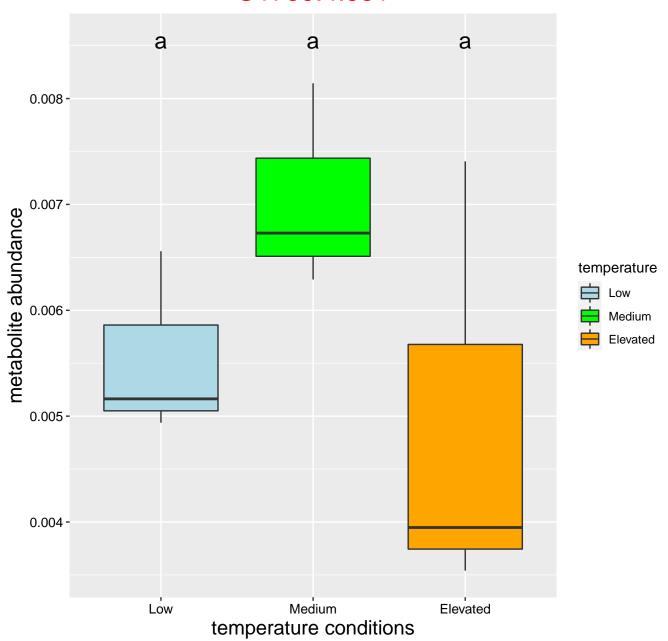
# U1718.0.157



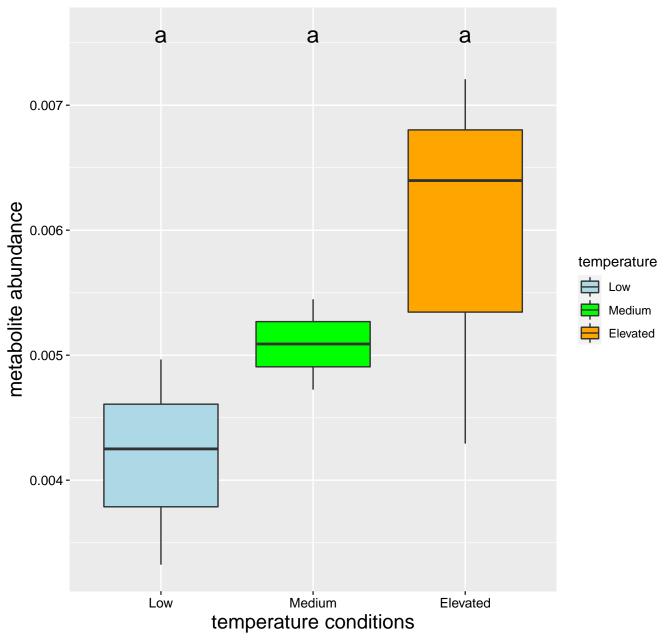
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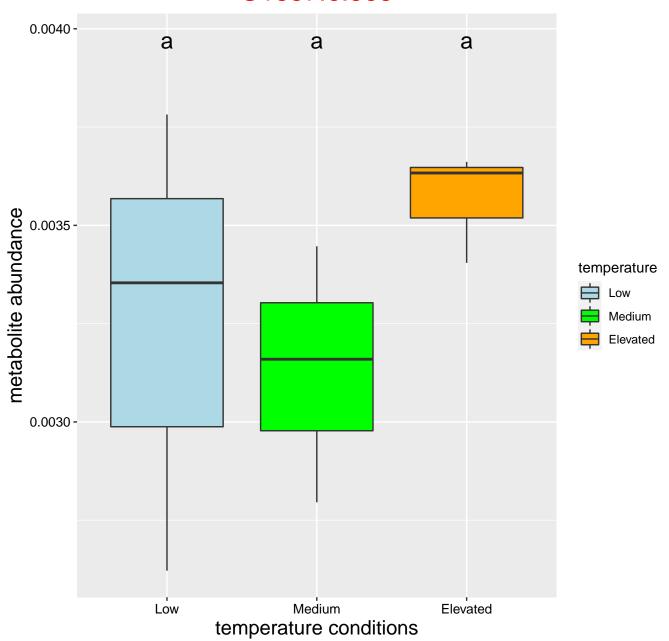
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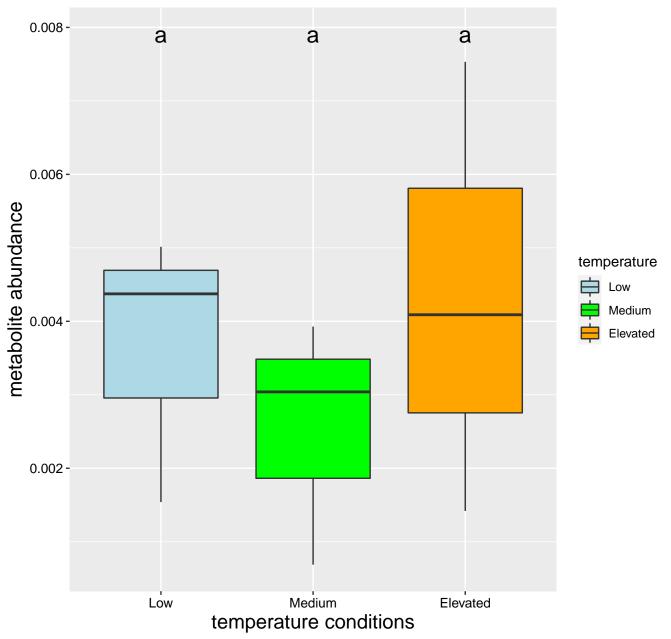
### U1816.2.228



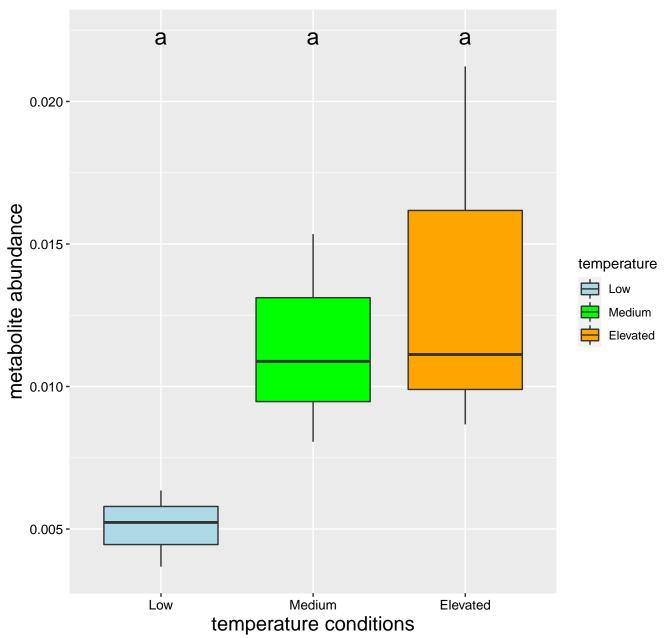
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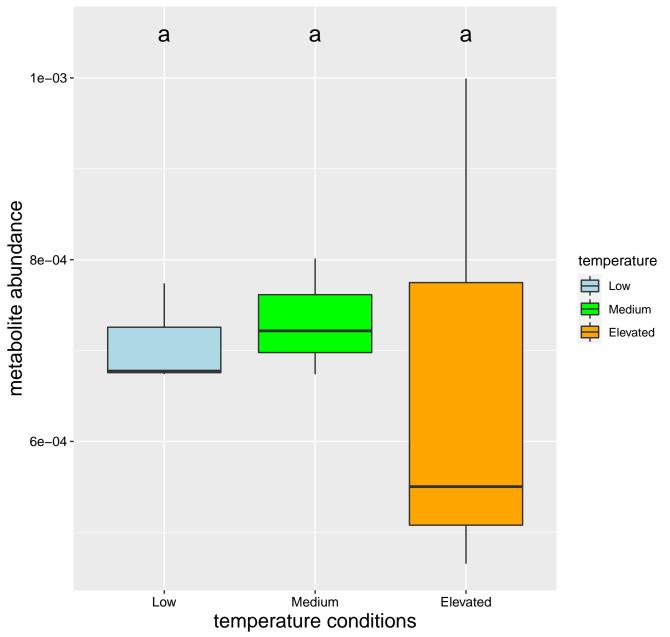
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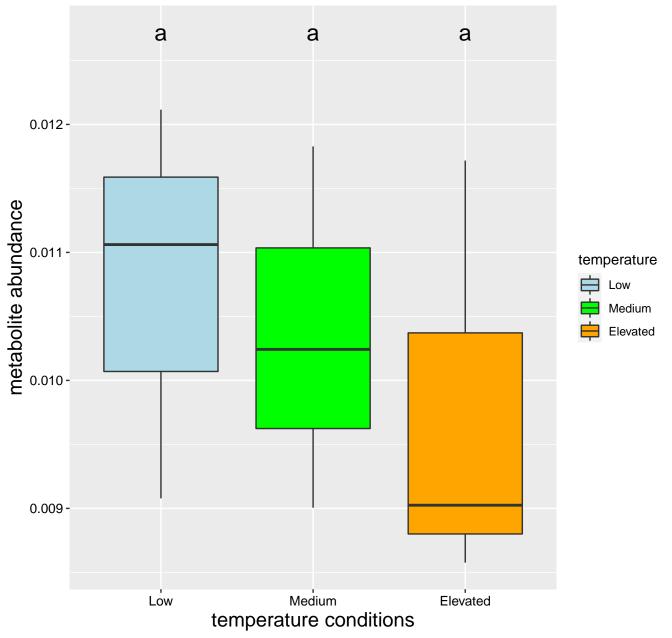
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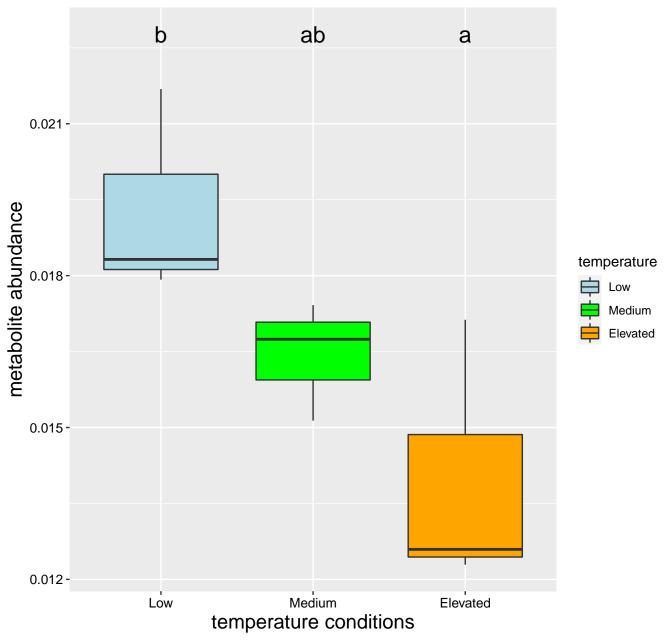
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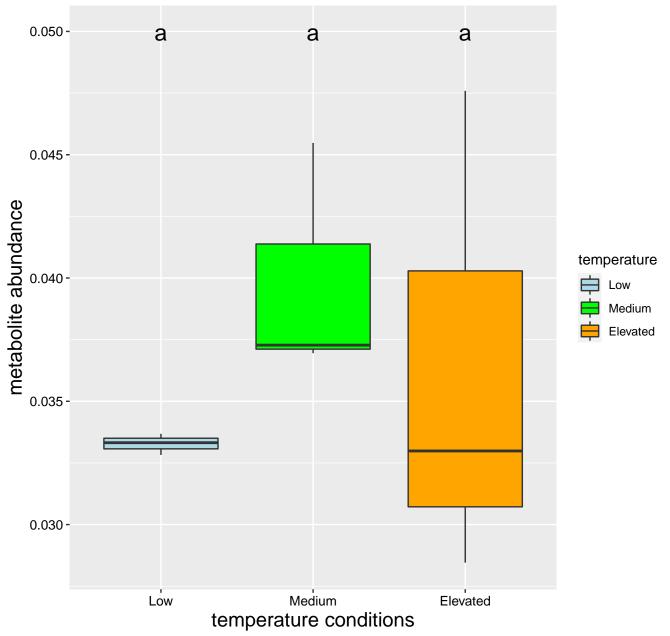
U1872.1.204.methyl.hexopyranoside.



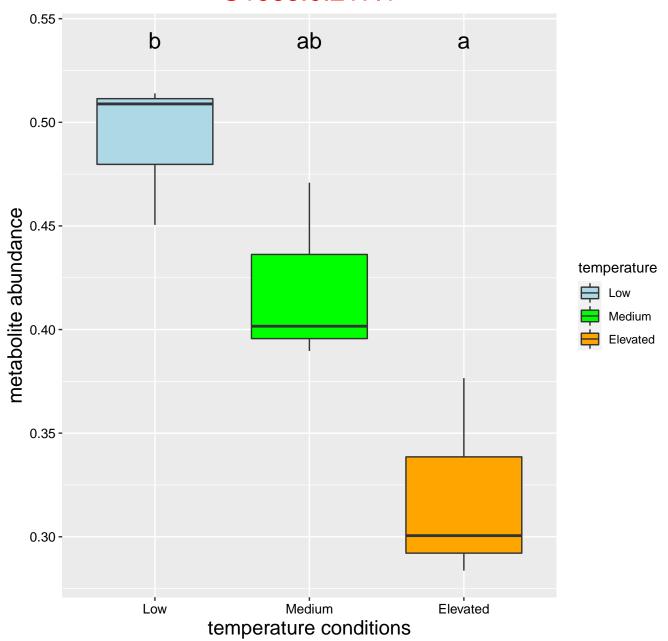
#### U1939.1.210



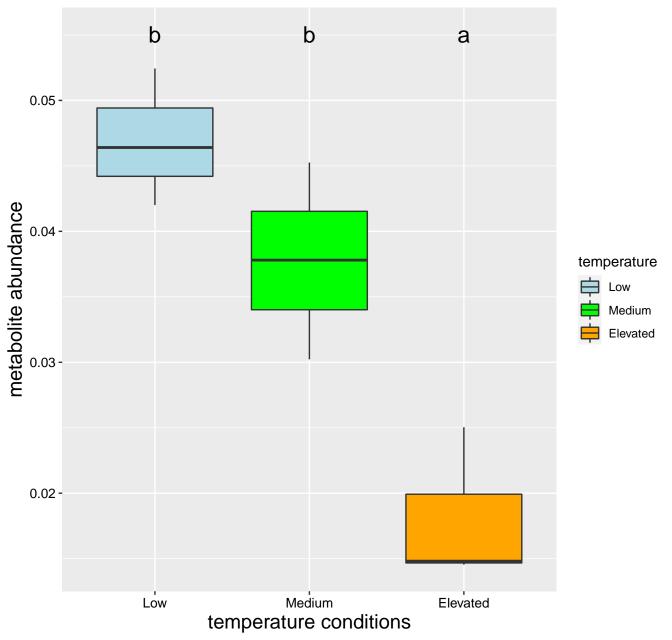
U1958.217



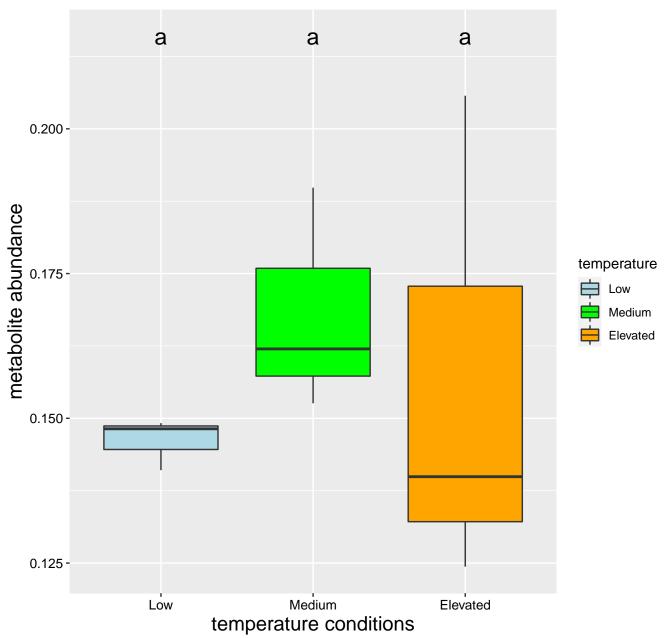
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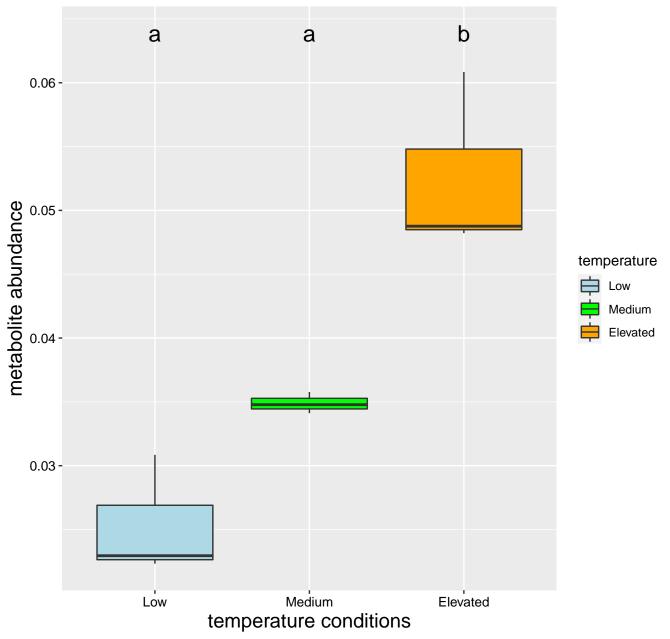
## U2012.7.361



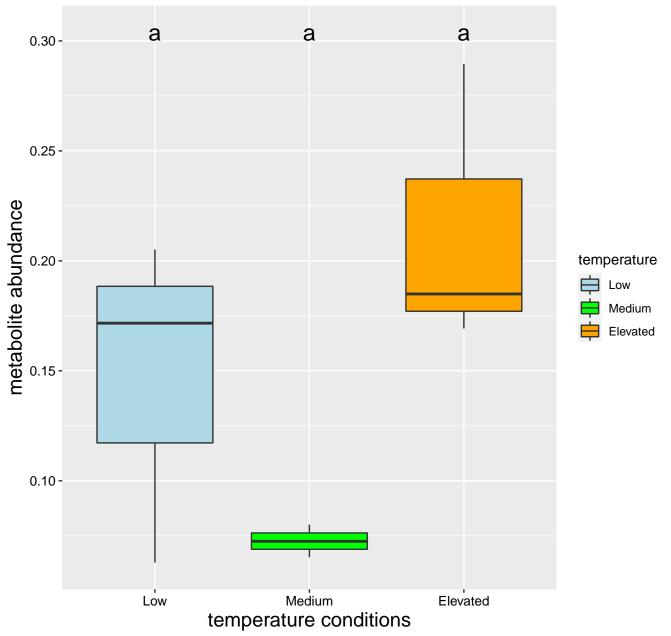
U2053.6.321



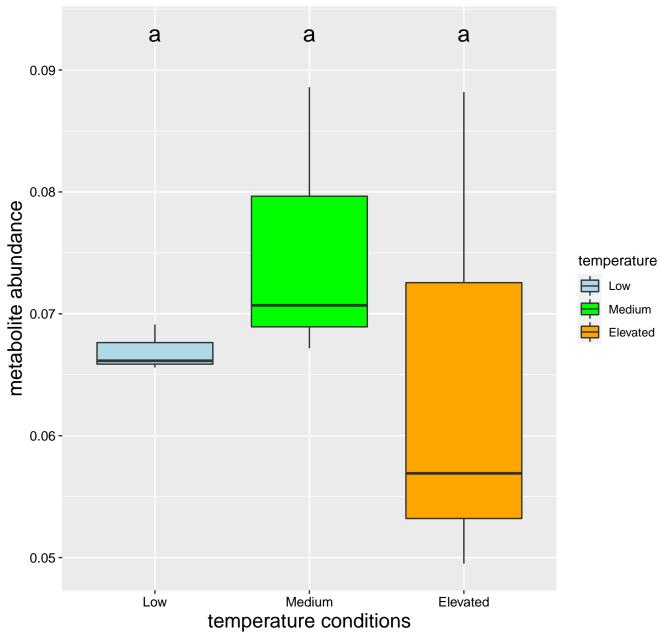
## U2053.6.321.1



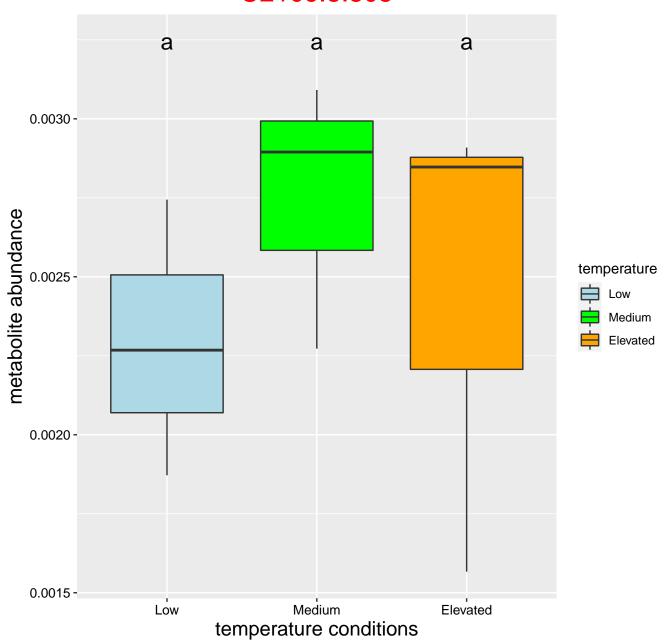
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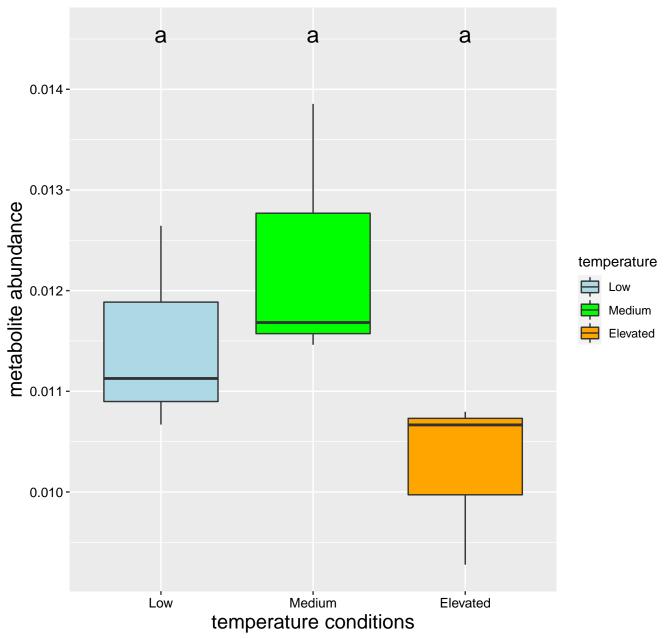
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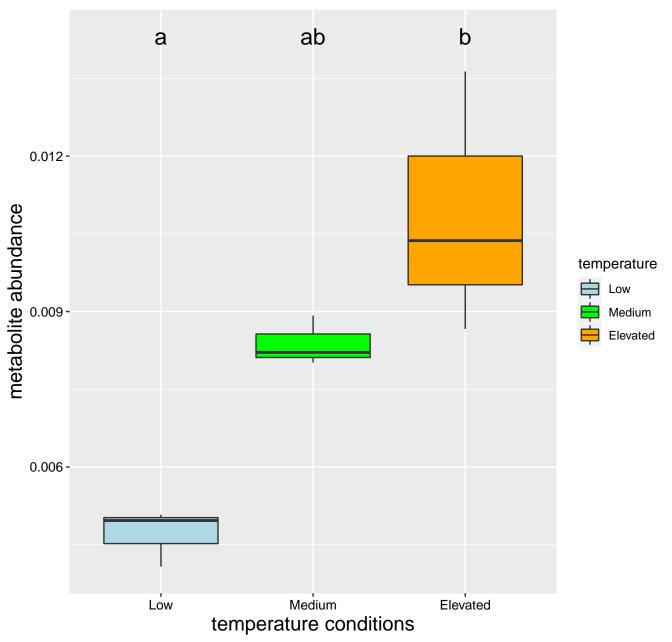
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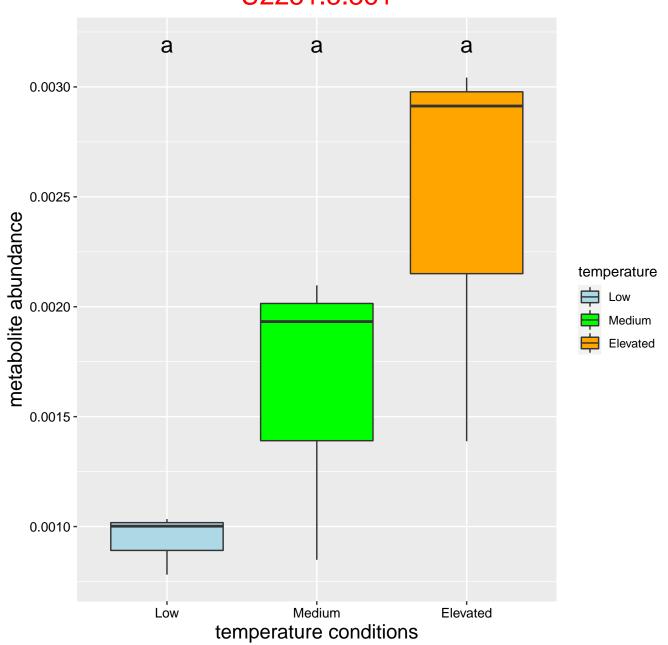
#### U2150.9.279



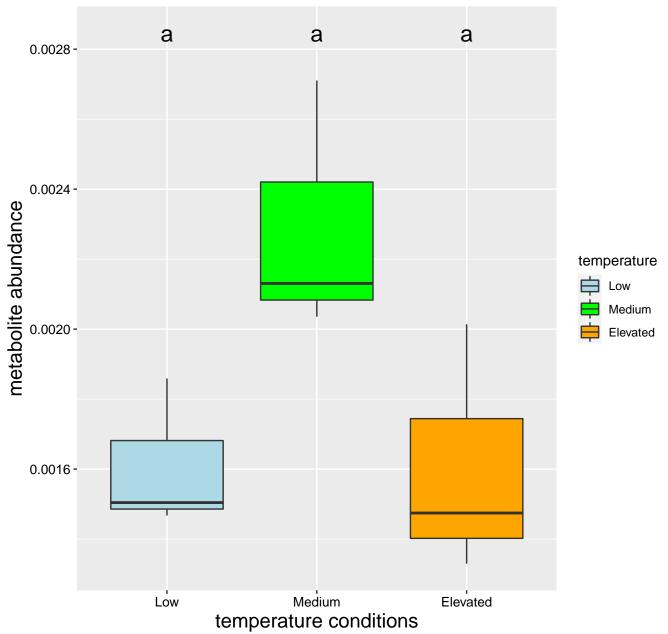
#### U2170.6.361



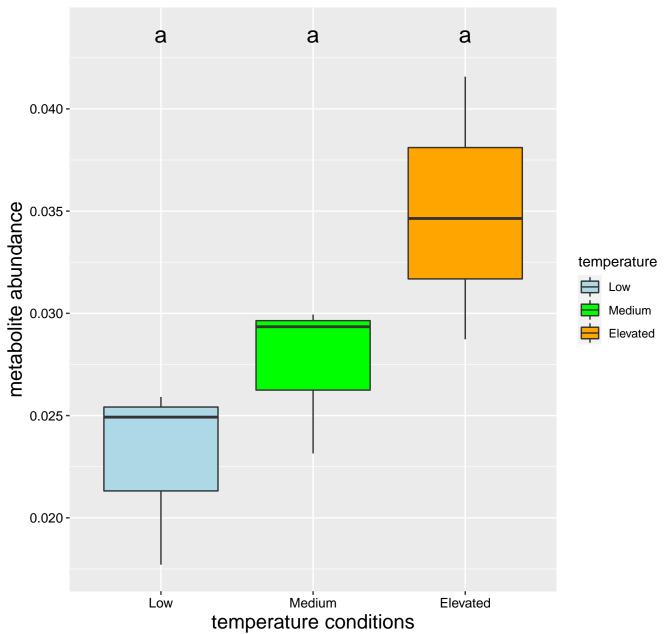
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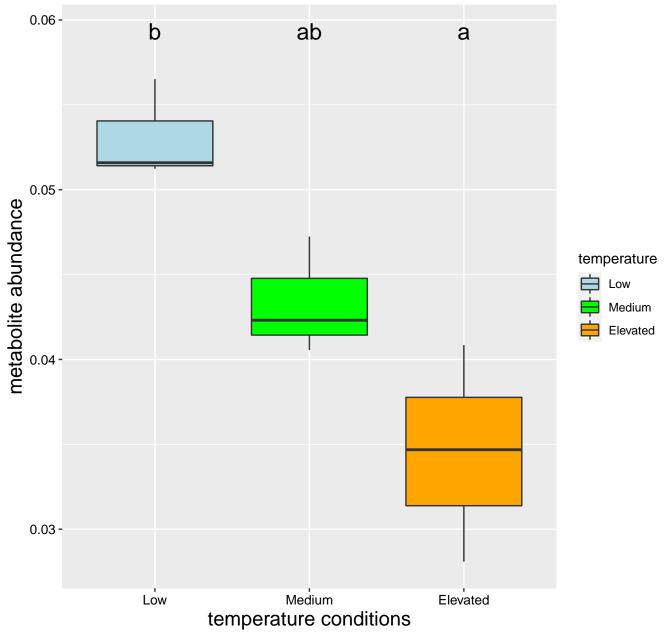
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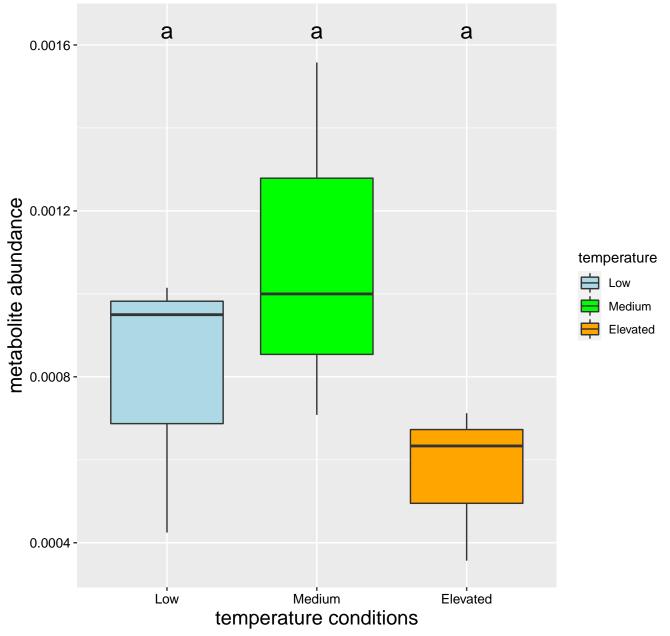
U2513.2.296



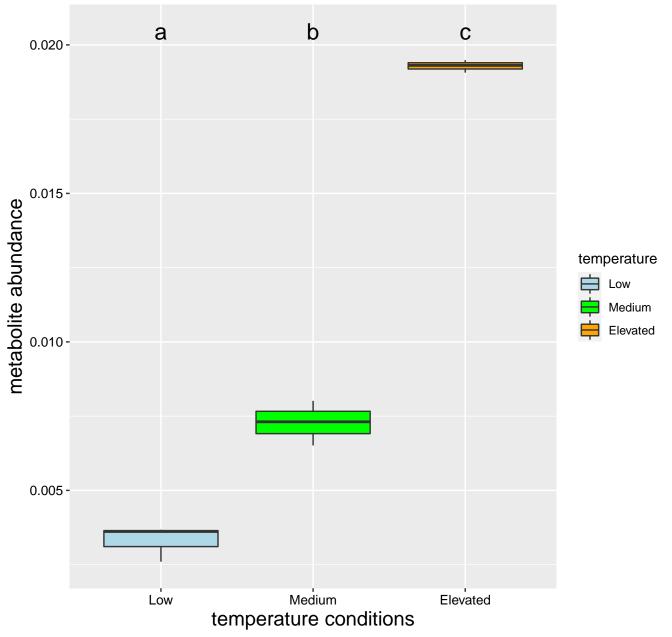
## U2513.2.296.1



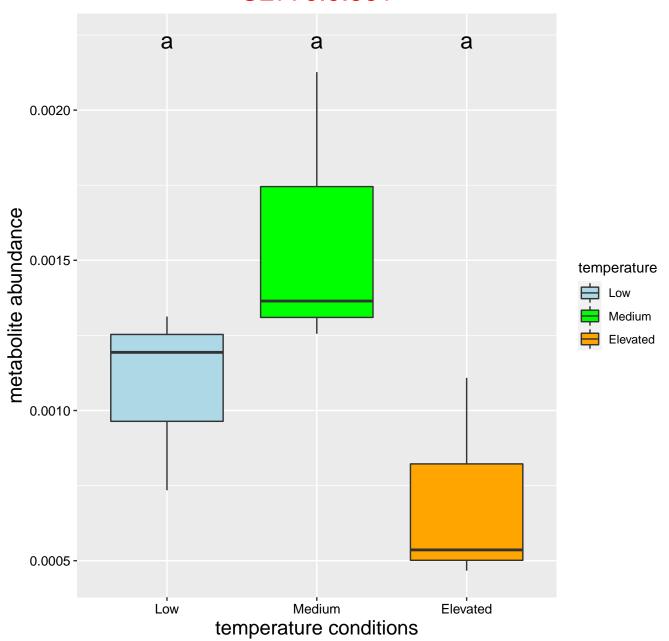
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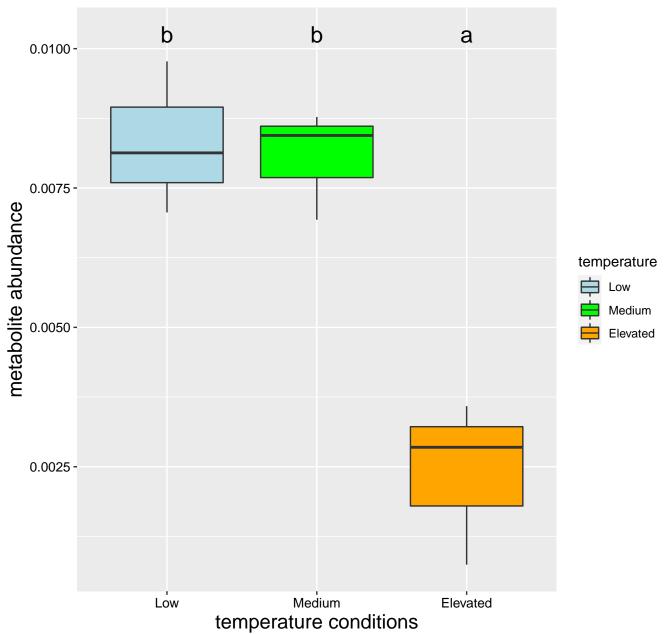
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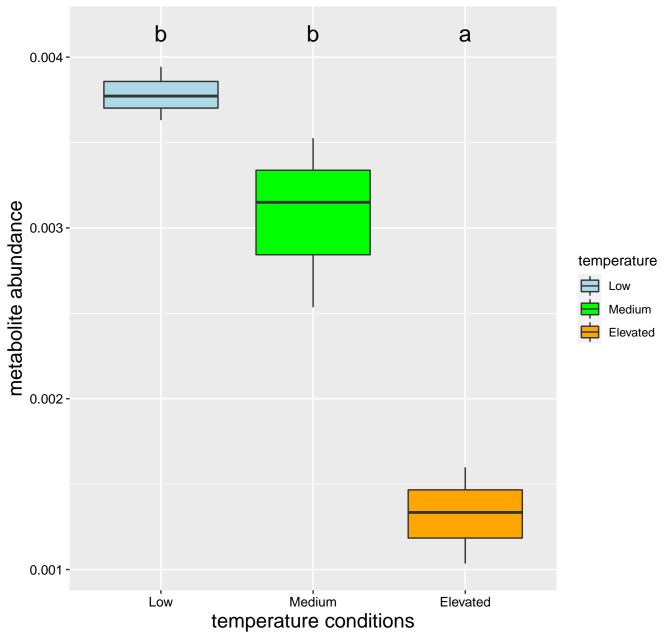
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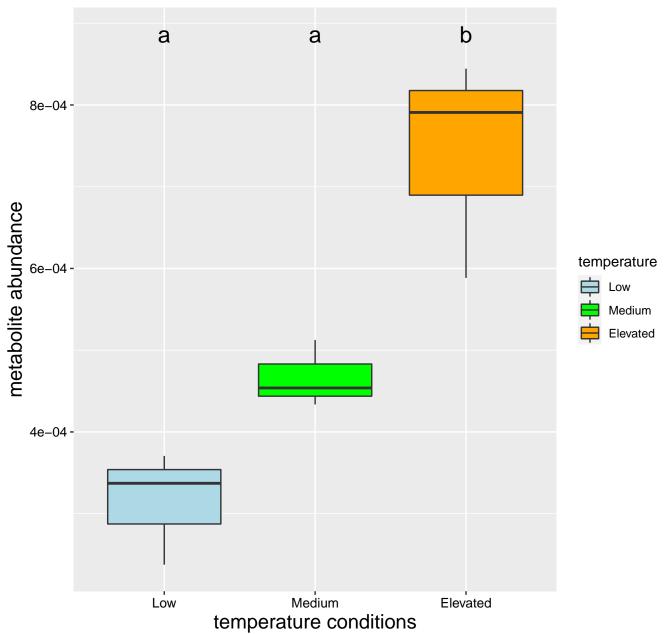
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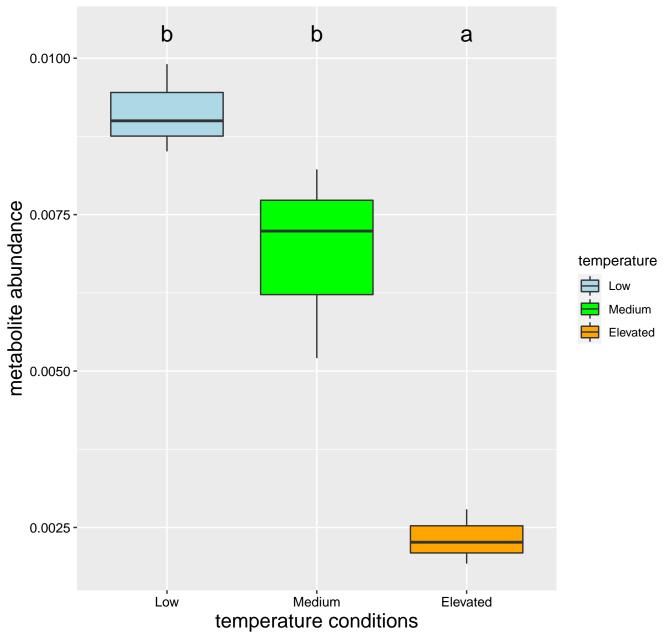
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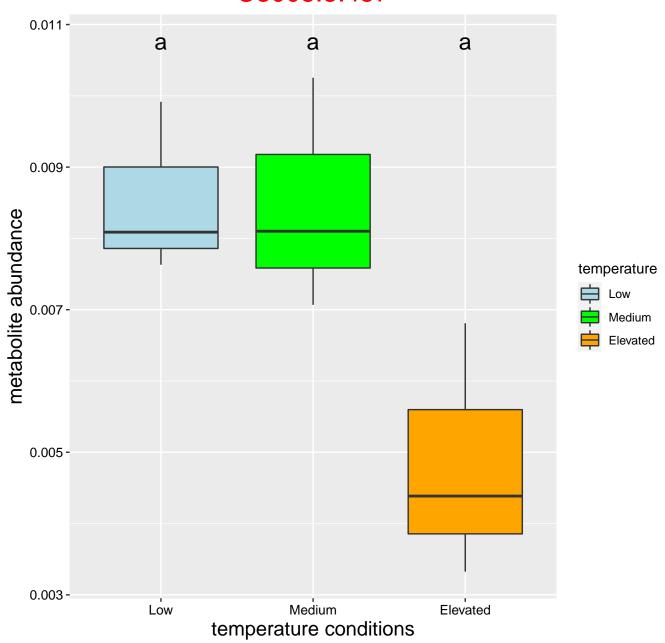
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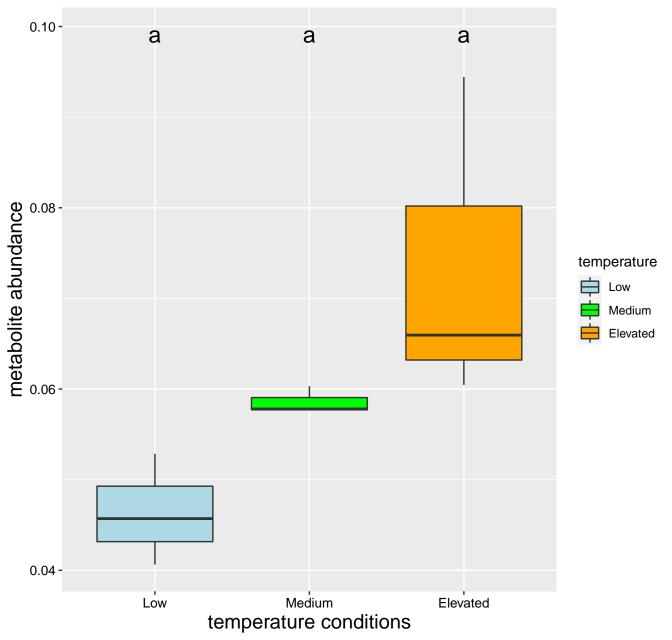
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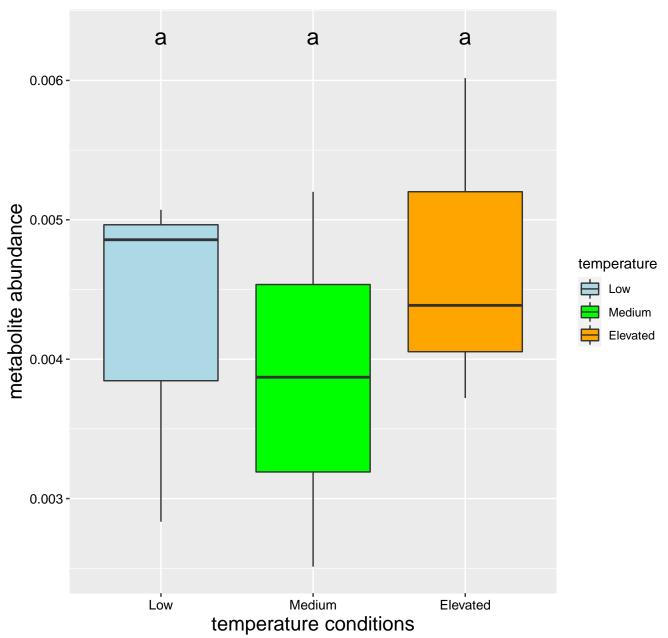
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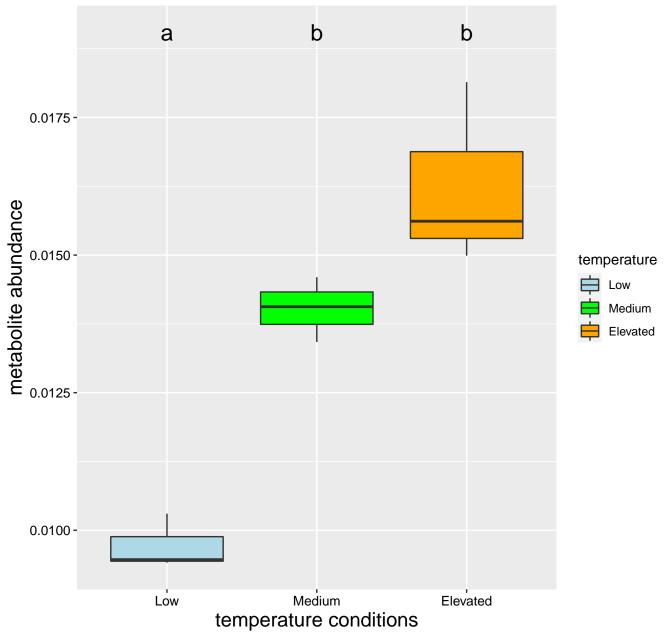
#### U3041.1.361



U3063.0.361

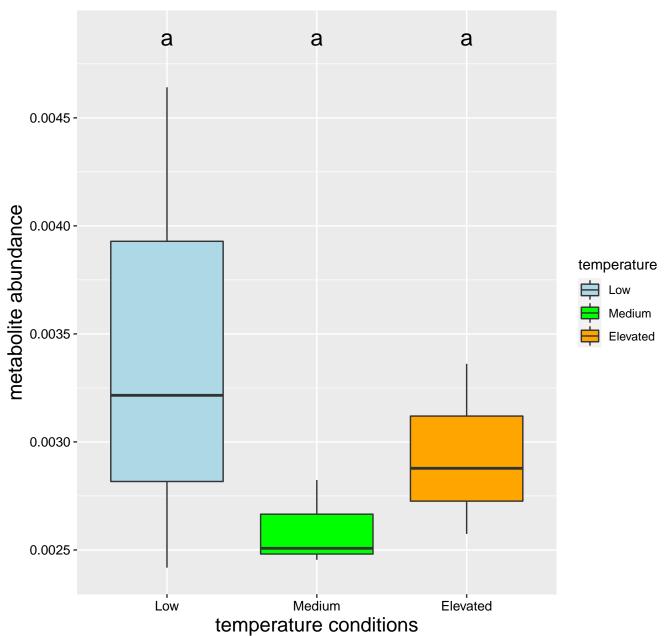


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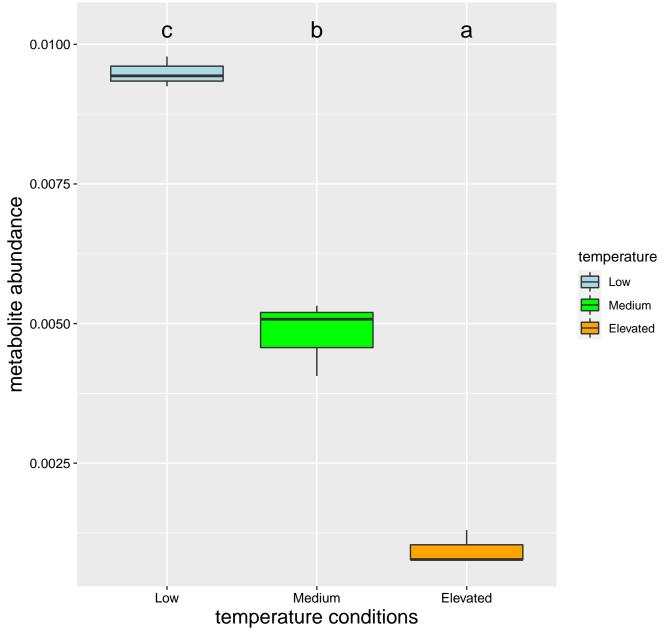


U3100.8.361 0.08 a b C 0.06 metabolite abundance temperature Low Medium Elevated 0.02 -Low Medium Elevated temperature conditions

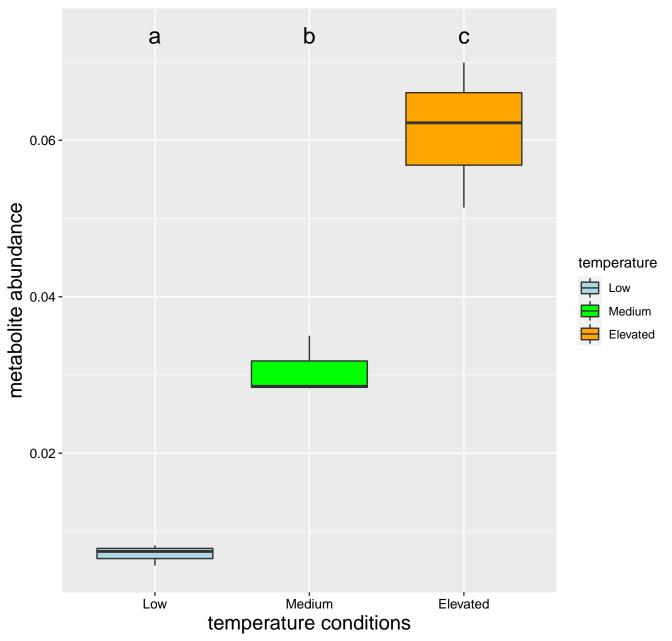
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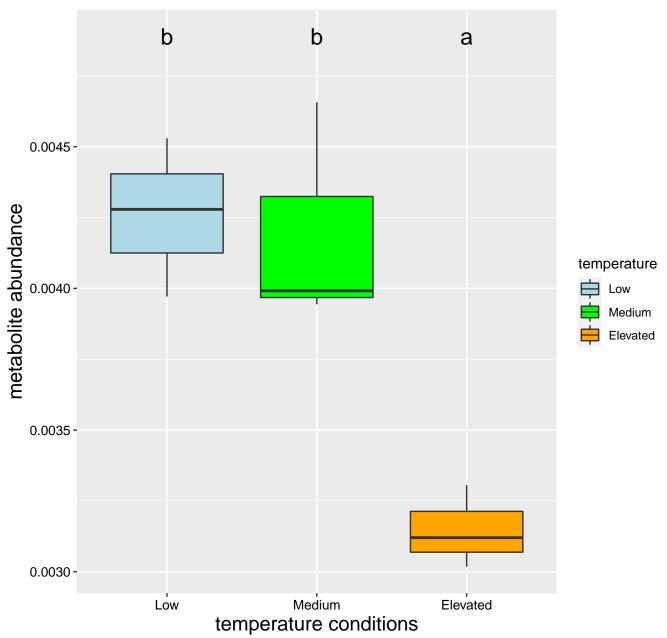
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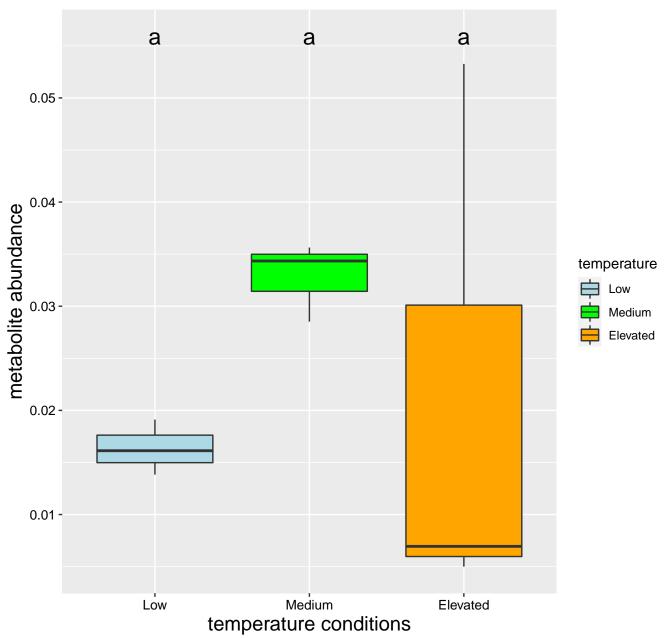
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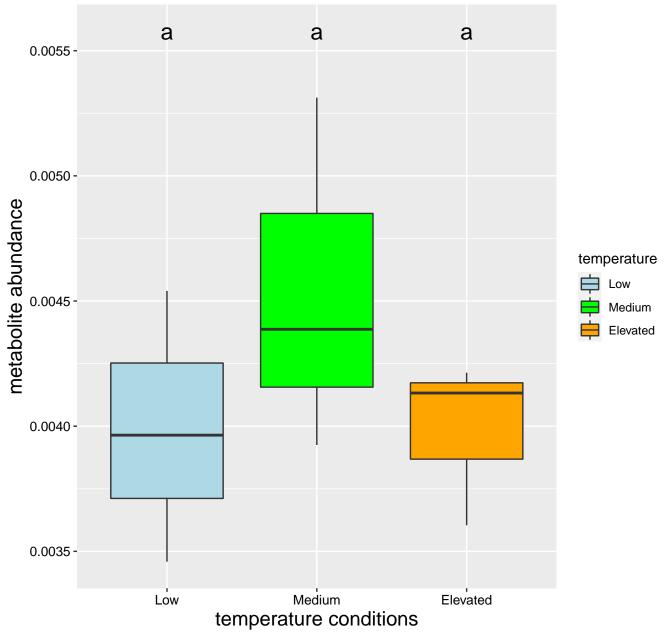
U3701.368



U3898.1.204



U3910.6.597. Trigalactosylglycerol.



U4132.5.575

