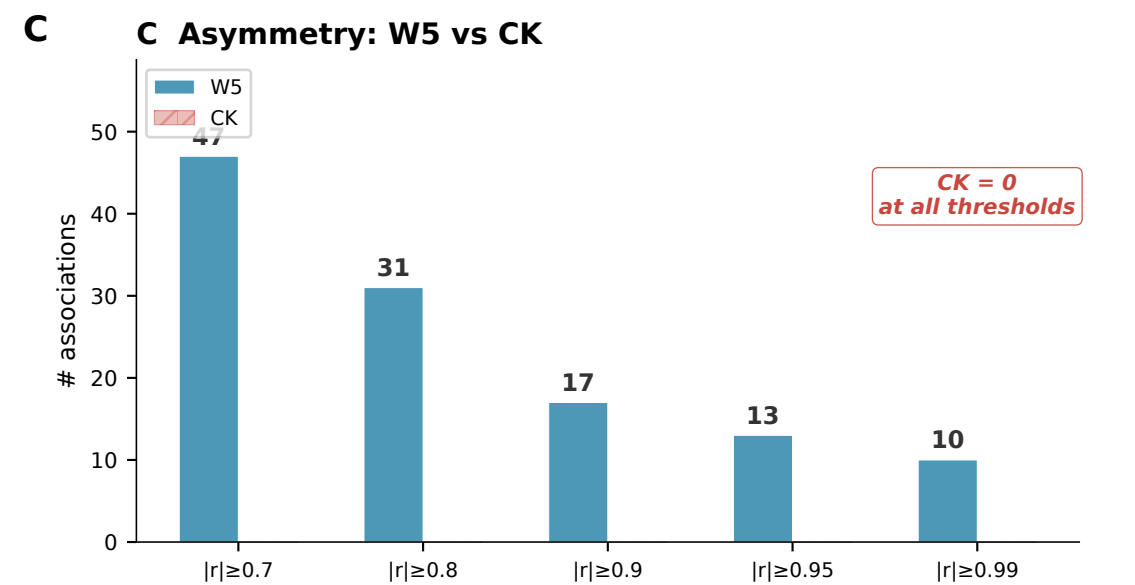
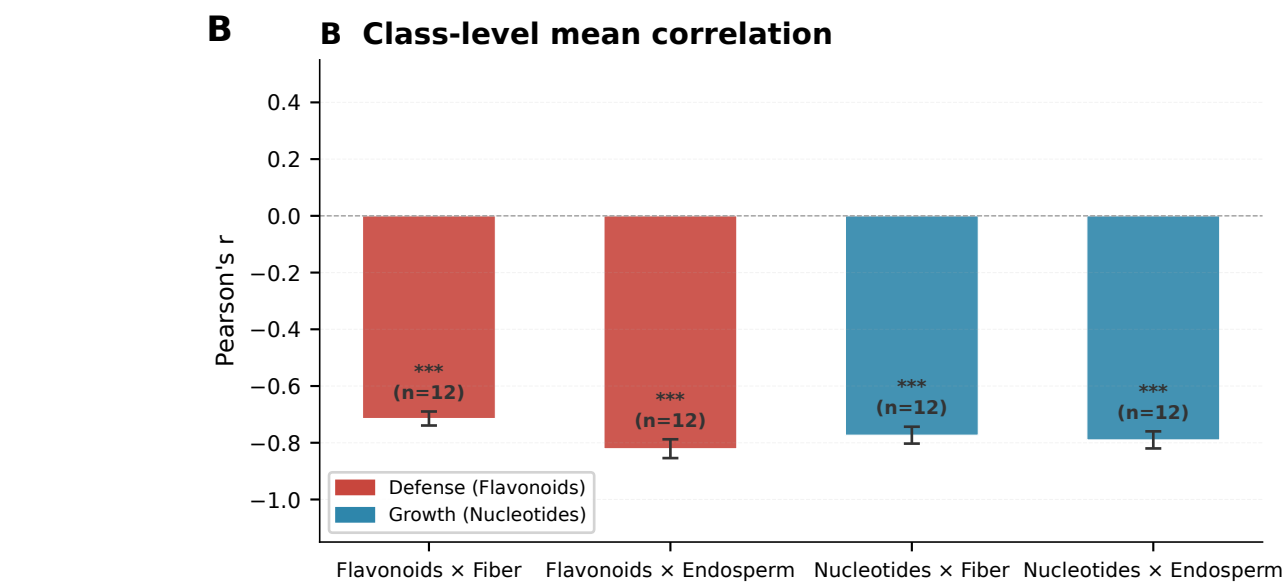
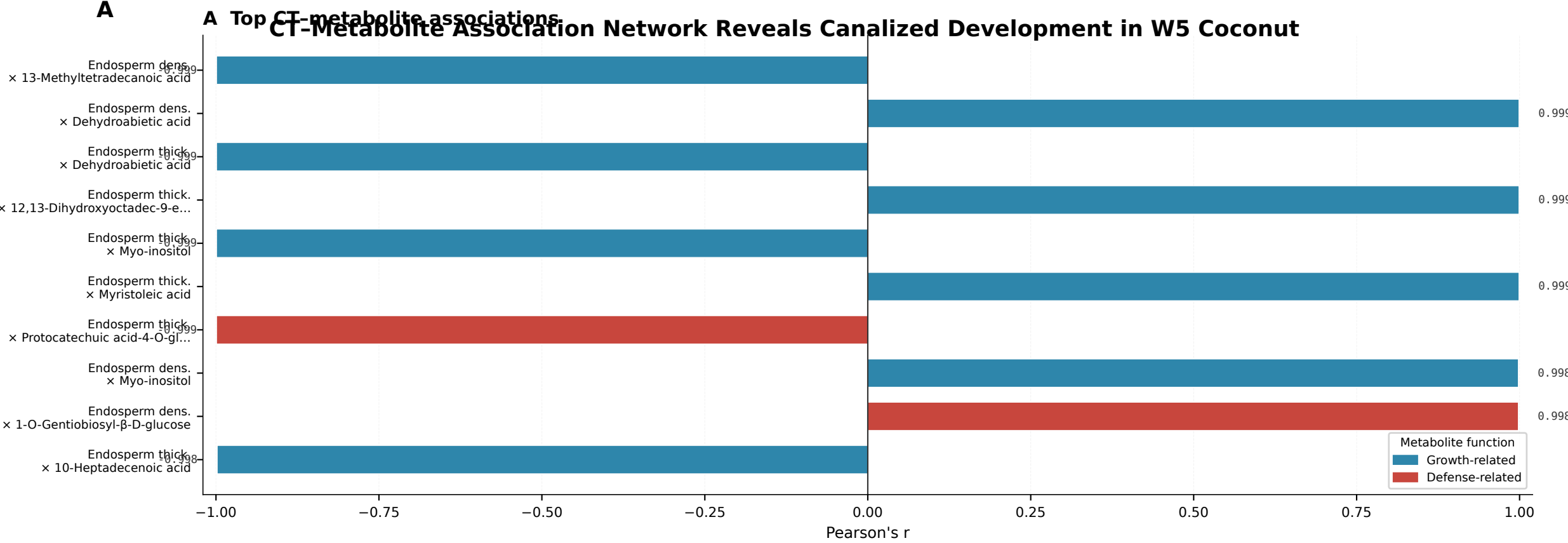


CT-Metabolite Association Network Reveals Canalized Development in W5 Coconut



D Integrated interpretation

Canalisation Diagnostic
CK: zero significant at $|r| \geq 0.7$ — stark W5/CK asymmetry
W5 genetic homogeneity canalises development; CK heterogeneity dilutes signal

Key Pathway Insights
Flavonoids (Defense) anti-correlate with structural density
mean $r = -0.83$ fiber | -0.78 shell | -0.71 endosperm
Nucleotides (Growth) correlate with endosperm density
mean $r = +0.88$ — fuels solid endosperm formation
Total: 3,376 significant (FDR $q < 0.05$) | 55 at $|r| > 0.99$ | 29 at $|r| > 0.995$