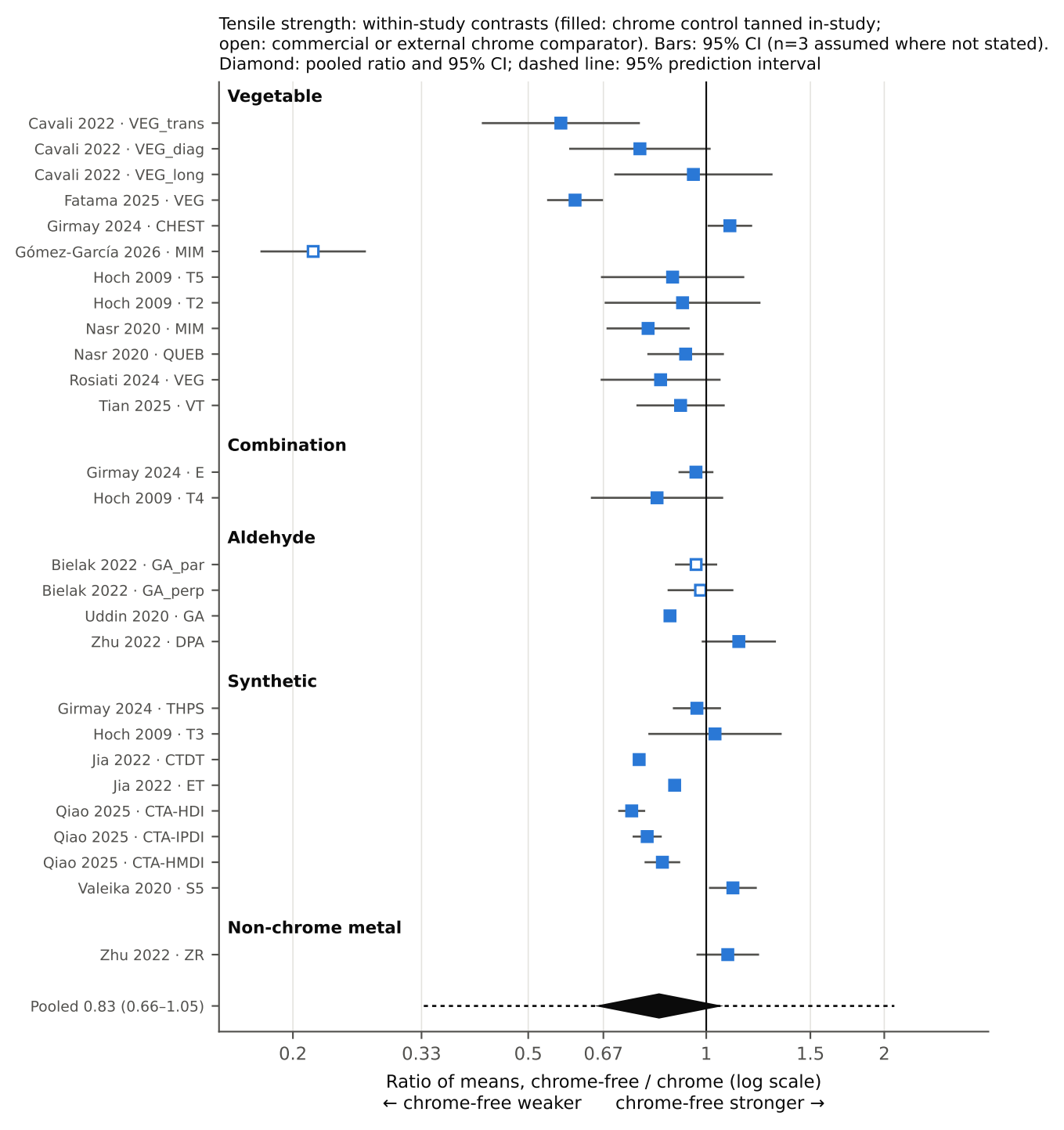

Tensile strength: within-study contrasts (filled: chrome control tanned in-study;
open: commercial or external chrome comparator). Bars: 95% CI (n=3 assumed where not stated).
Diamond: pooled ratio and 95% CI; dashed line: 95% prediction interval
Vegetable
Cavali 2022 · VEG_trans
Cavali 2022 · VEG_diag
Cavali 2022 · VEG_long
Fatama 2025 · VEG
Girmay 2024 · CHEST
Gómez-García 2026 · MIM
Hoch 2009 · T5
Hoch 2009 · T2
Nasr 2020 · MIM
Nasr 2020 · QUEB
Rosiati 2024 · VEG
Tian 2025 · VT
Combination
Girmay 2024 · E
Hoch 2009 · T4
Aldehyde
Bielak 2022 · GA_par
Bielak 2022 · GA_perp
Uddin 2020 · GA
Zhu 2022 · DPA
Synthetic
Girmay 2024 · THPS
Hoch 2009 · T3
Jia 2022 · CTDT
Jia 2022 · ET
Qiao 2025 · CTA-HDI
Qiao 2025 · CTA-IPDI
Qiao 2025 · CTA-HMDI
Valeika 2020 · S5
Non-chrome metal
Zhu 2022 · ZR
Pooled 0.83 (0.66–1.05)
0.2
0.33
0.5
0.67
1
1.5
2
Ratio of means, chrome-free / chrome (log scale)
← chrome-free weaker
chrome-free stronger →