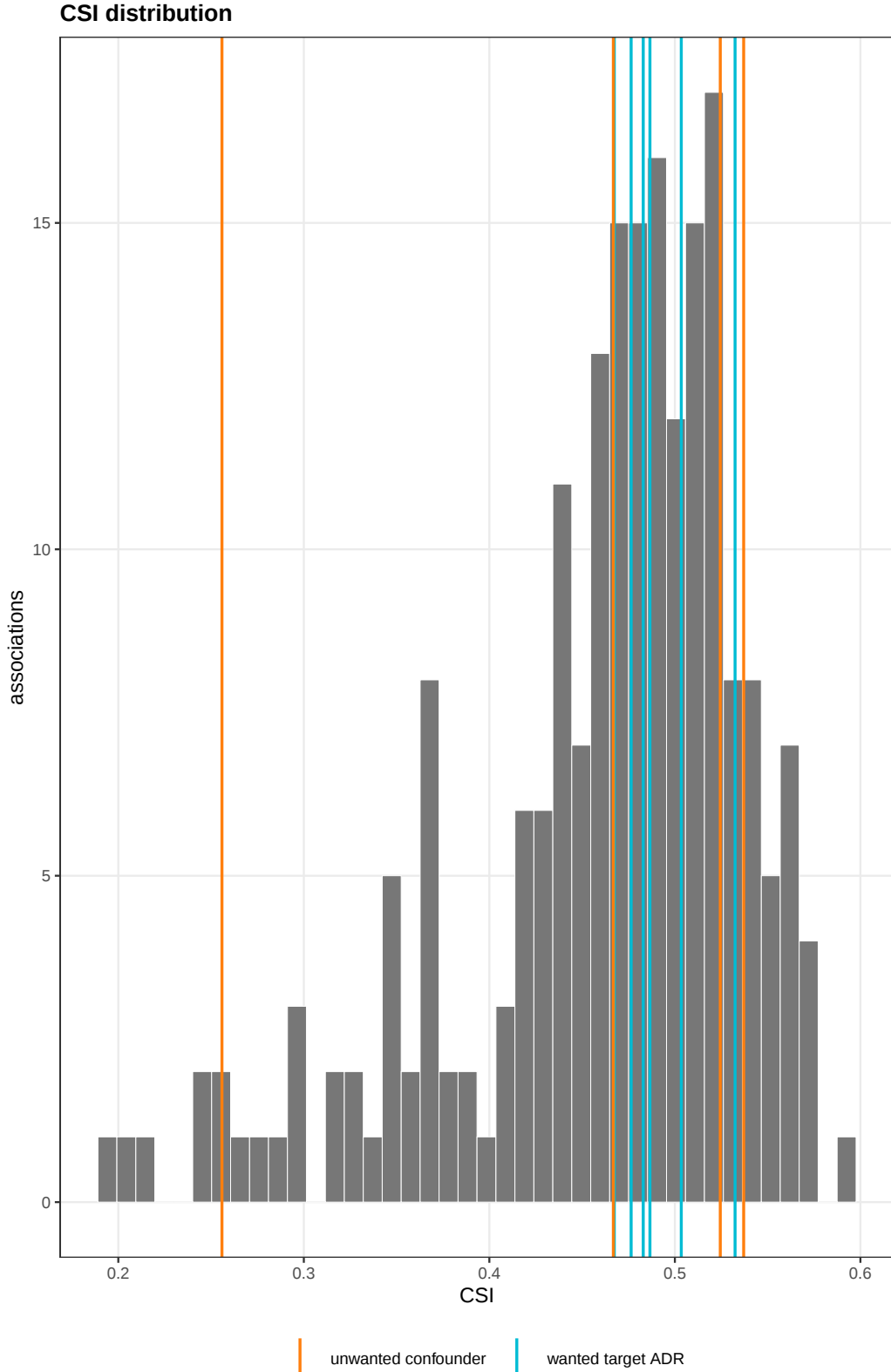
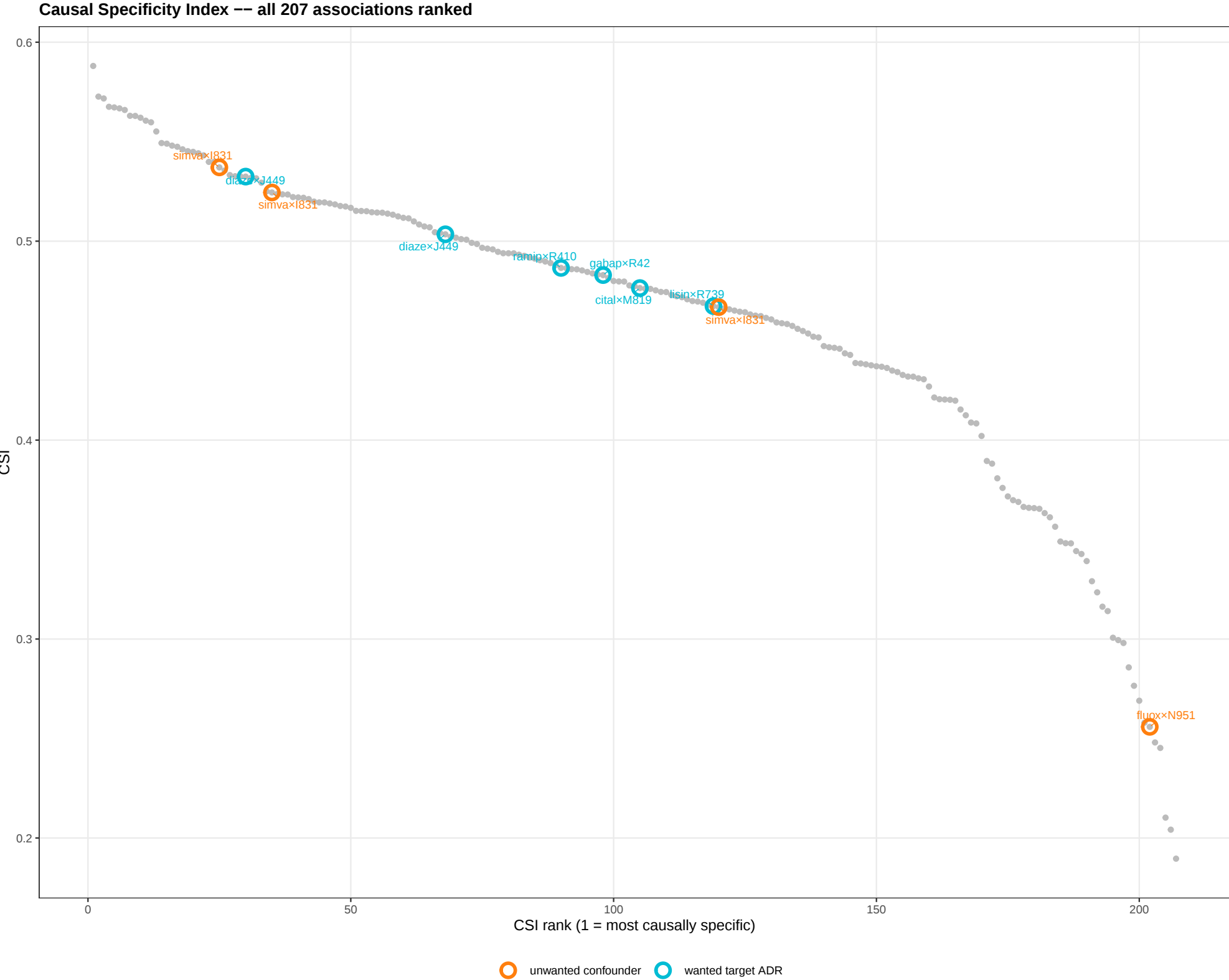


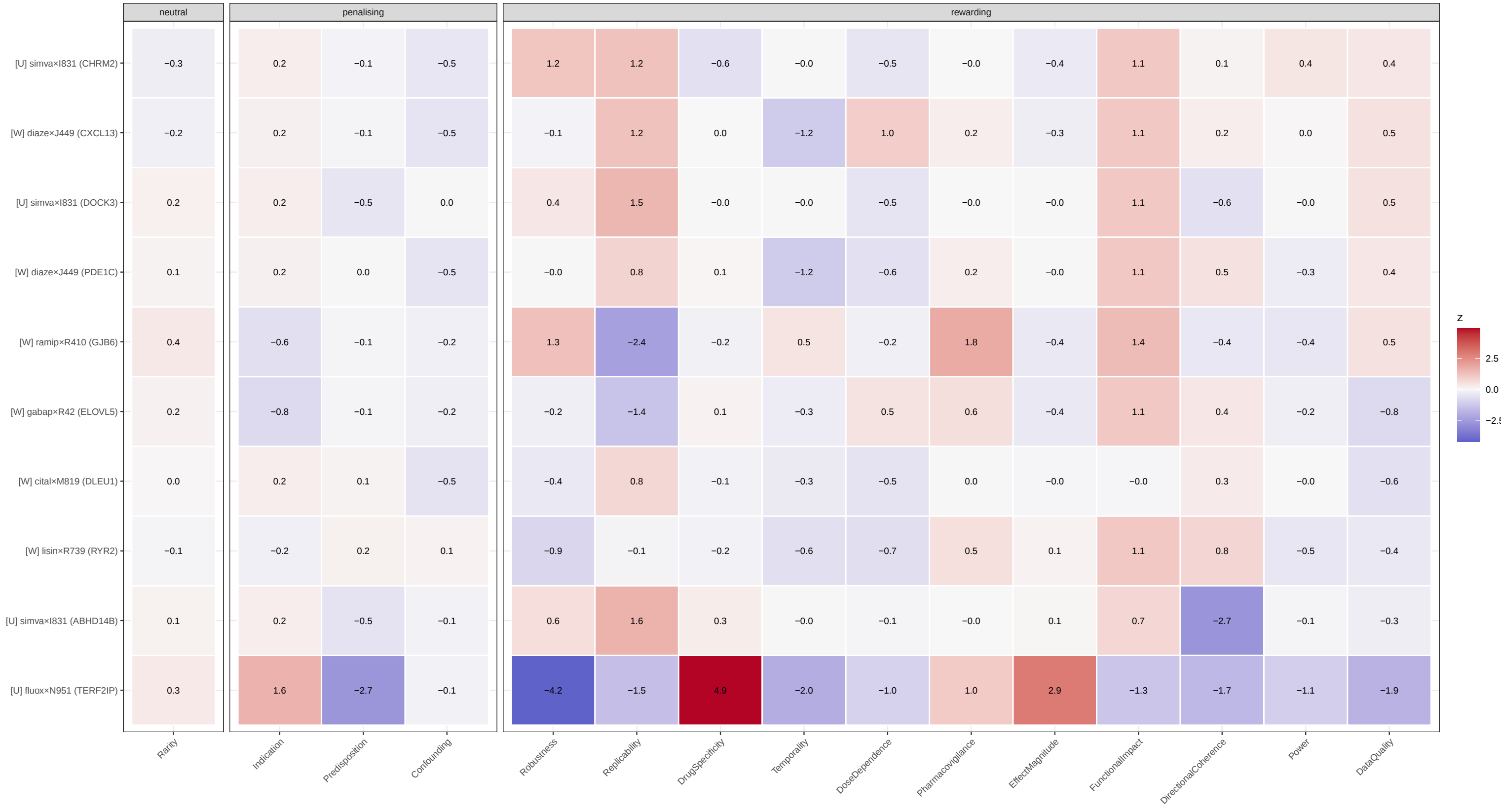
Causal Specificity Index (CSI): signed soft-AND of 14 dimensions, equal weight, no free parameters

Cyan = 6 wanted target ADRs, orange = 4 unwanted confounders. CSI rewards Robustness, Replicability, DrugSpecificity, Temporality, DoseDependence, Pharmacovigilance, EffectMagnitude, FunctionalImpact, DirectionalCoherence, P

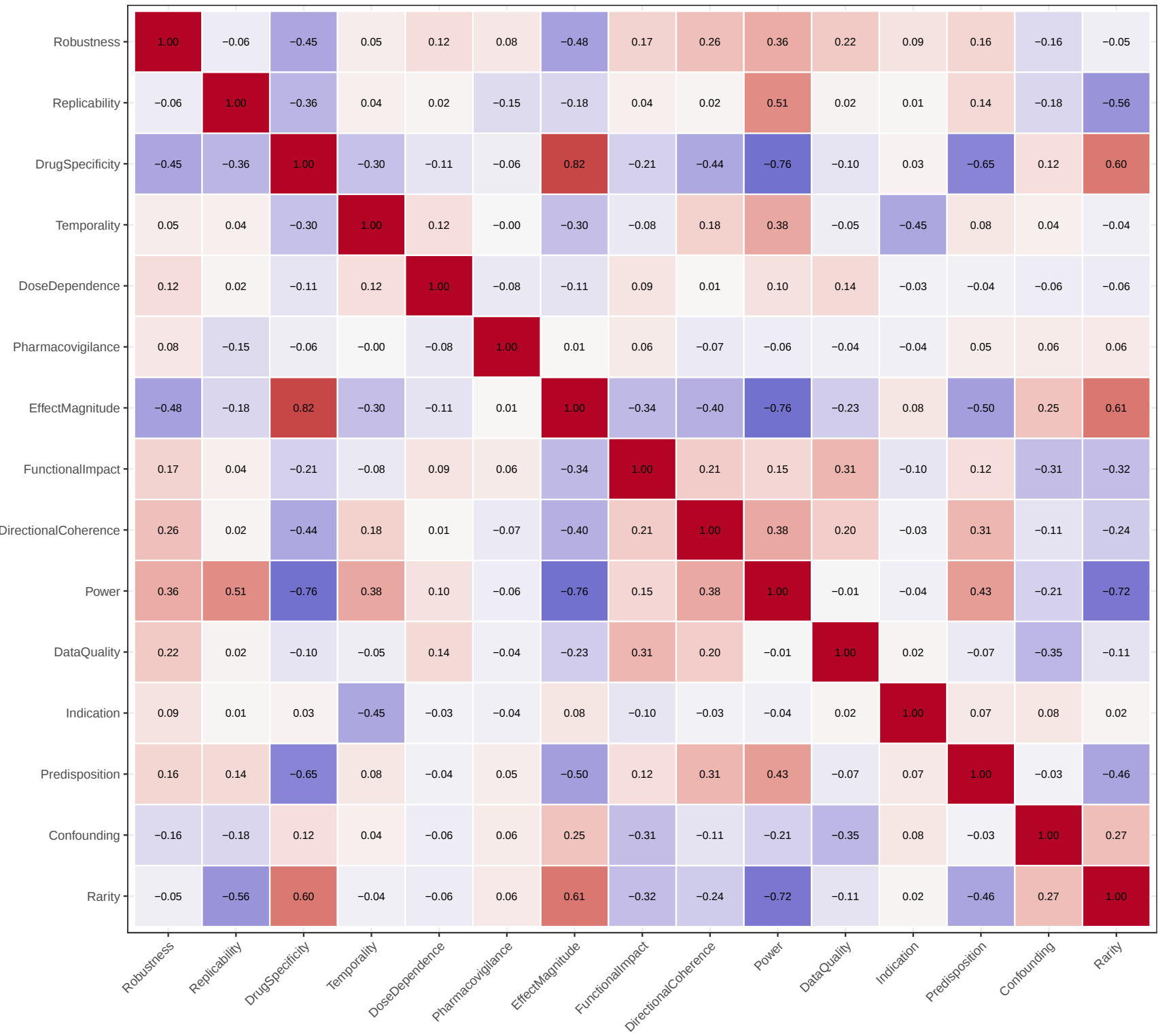


Why each curated association scores as it does -- 15 dimensions, unit-variance z

[W] = wanted target ADR, [U] = unwanted confounder; rows ordered by CSI (highest at top).



Dimension correlation (Spearman) -- overlap is allowed, but visible



CSI vs the existing latent-PGx score

