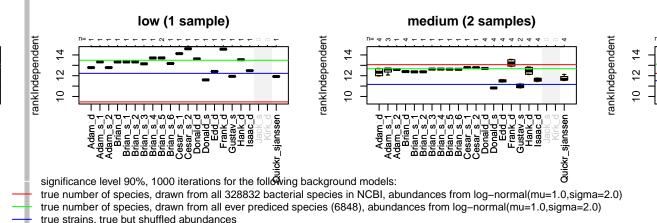
across all 3 datasets

CAMI competition, metric: Unifrac



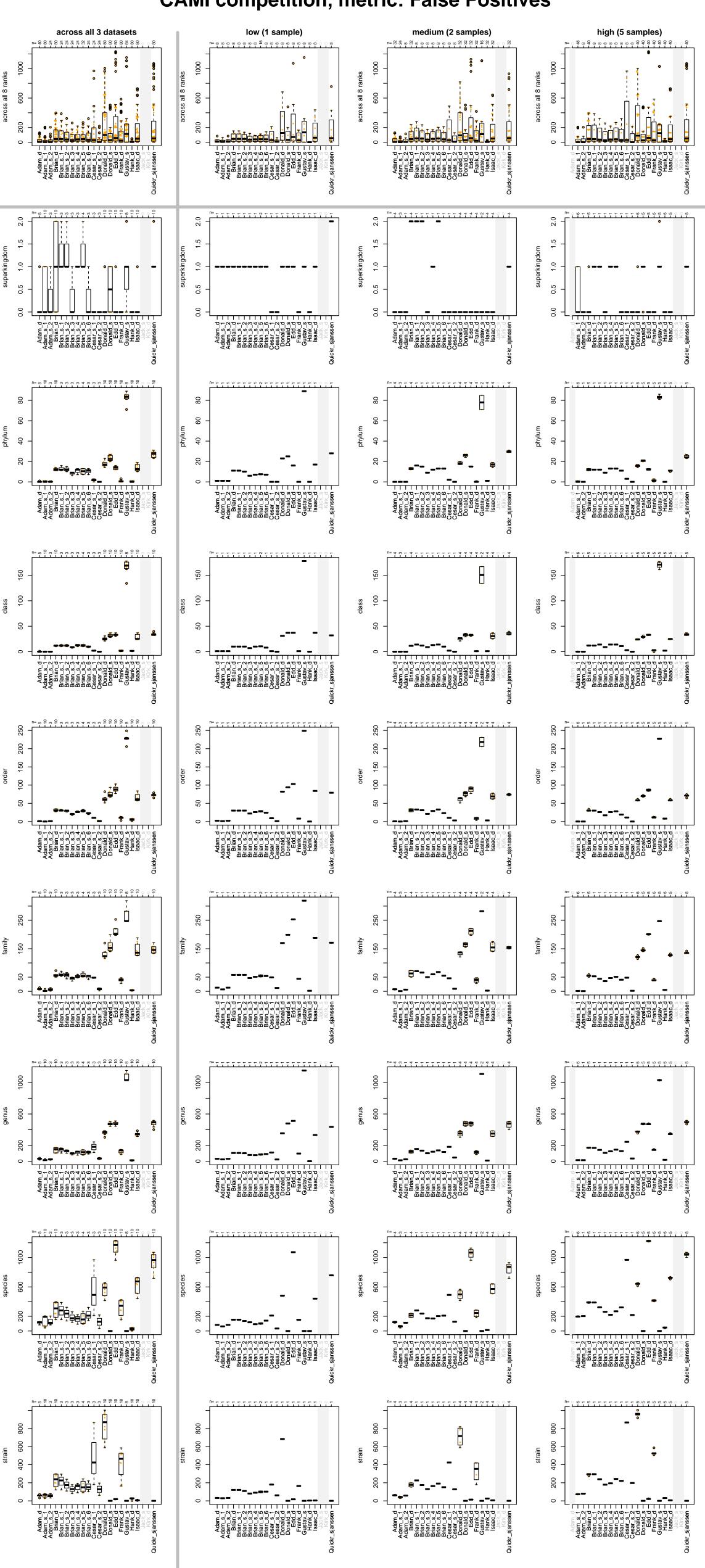
high (5 samples)

CAMI competition, metric: L1norm across all 3 datasets low (1 sample) medium (2 samples) high (5 samples) across all 8 ranks across all 8 ranks across all 8 ranks across all 8 ranks 1.0 Adam s Adam s Adam s Brian s Brian s Brian s Brian s Cesar s C Adam s Adam s Adam s Adam s Brian s Brian s Brian s Brian s Adam Adam_s, Adam, Sasan, Sasan, Sasan, Adam_s, Ada superkingdom superkingdom 0.4 0.2 1.5 1.5 phylum phylum phylum 1.0 1.0 class class 1.0 1.0 1.0 1.5 1.5 1.0 0.5 1.5 1.5 genus 1.0 2.0 4. Adam d Adam s. 1-Adam s. 1-Brian d Brian s. 2-Brian s. 3-Brian s. 3-Brian s. 5-Brian s. 5-Brian s. 6-Brian Adam_a Adam_a Adam_a Brian_a Brian_a Brian_a Cesar_a Donald I Donald I Frank I Gustav I Haank I Adam s Adam s Adam s Adam s Adam s Brian s Brian s Brian s Cesar s Cesar s Donald s Edd Frank Clustav s Hank Isaac 1.2 1.2 1.2 1.2 significance level 90%, 1000 iterations for the following background models: true number of species, drawn from all 328832 bacterial species in NCBI, abundances from log-normal(mu=1.0,sigma=2.0) true number of species, drawn from all ever prediced species (6848), abundances from log-normal(mu=1.0,sigma=2.0) true strains, true but shuffled abundances

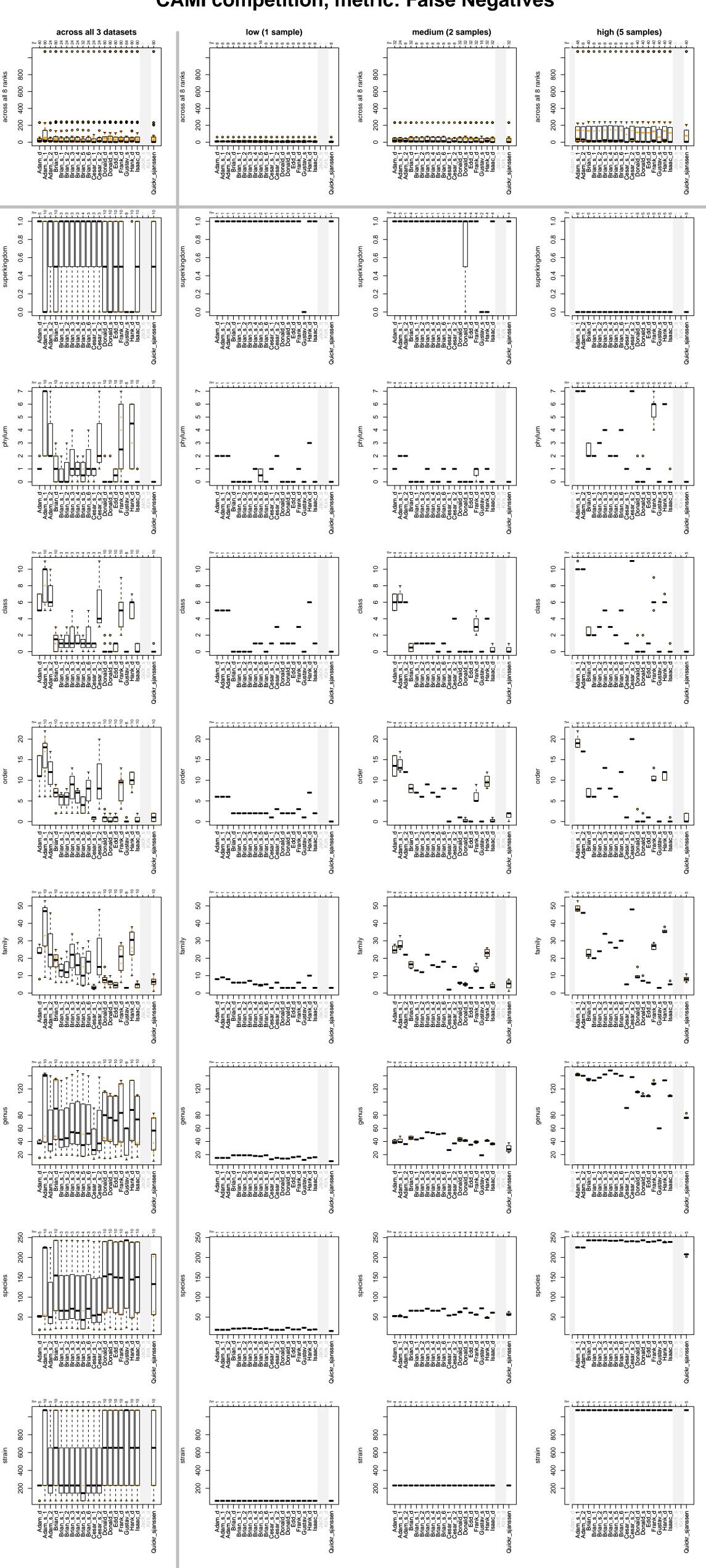
CAMI competition, metric: Sensitivity across all 3 datasets low (1 sample) medium (2 samples) high (5 samples) 0.8 0.8 across all 8 ranks across all 8 ranks across all 8 ranks 9.0 0.4 0.2 Adam s Adam s Adam s Brian s Brian s Brian s Cesar s Cesar s Donald Donald Frank Gustav s Hank Adam S Ad 0.9 0.9 0.9 superkingdom 0.8 0.7 0.7 0.7 9.0 0.9 0.8 0.8 0.8 phylum 0.7 0.7 0.7 0.7 9.0 9.0 0.5 0.5 0.9 0.9 0.9 0.8 0.8 class class 0.7 9.0 9.0 9.0 0.7 0.7 0.7 9.0 9.0 9.0 9.0 0.7 0.7 0.7 9.0 9.0 9.0 9.0 0.5 0.5 0.7 9.0 9.0 0.5 0.5 0.5 0.5 9.7 0.4 9.7 0.4 0.3 0.3 0.3 0.20 0.20 0.10 Adam a Adam s Adam s 2 Adam s Adam s 1Adam s 1Adam s 1Adam s 1Brian s 2Brian s 2Brian s 2Brian s 4Brian s 4Bria Adam.s. 1Adam.s. 2Brian A. 2Brian S. 1Brian S. 3Brian S. 5Brian S. -1.0 Adam_A Adam_s, Adam_A Adam_s, Brian_S, Brian_S, Brian_S, Cesar_S, Cesar_S,

CAMI competition, metric: Precision low (1 sample) across all 3 datasets medium (2 samples) high (5 samples) 0.8 0.8 0.8 0.8 across all 8 ranks across all 8 ranks across all 8 ranks across all 8 ranks 9.0 0.4 0.4 Adam_s, Adam_s, Adam_s, Brian_s, Brian_s, Brian_s, Brian_s, Brian_s, Brian_s, Cesar_s, Cesar_s, Conaid, Donaid, Brian_s, Adam_A Adam_A Adam_A Brian_b Brian_b Brian_b Brian_b Cossar a Cossar a Donald Donald Frank Frank Frank 0.8 0.8 superkingdom superkingdom superkingdom superkingdom 0.8 0.8 9.0 phylum 9.0 9.0 phylum 9.0 0.8 0.8 0.8 0.8 9.0 class 0.4 0.4 0-0.4 9.0 0.8 9.0 9.0 9.0 0.8 0.8 9.0 9.0 0.4 Adam S. Adam Adam S. A Adam s Adam s Adam s 2 Adam s 3 Adam s Adam S.1 Adam S.2 Adam S.2 Brian G.2 Brian S.3 Brian S.4 Brian S.4 Brian S.6 Cesar S.2 -1.0 -1.0 Adam S.1. Adam S.1. Brian S.1. Brian S.2. Brian S.4. Brian S.5. Brian S.4. Brian S.5. Brian S.6. Cesar S.1. Cesar S.1. Cesar S.1. Cesar S.1. Frank d. Frank d. Isaac d. Adam a Adam s Ad

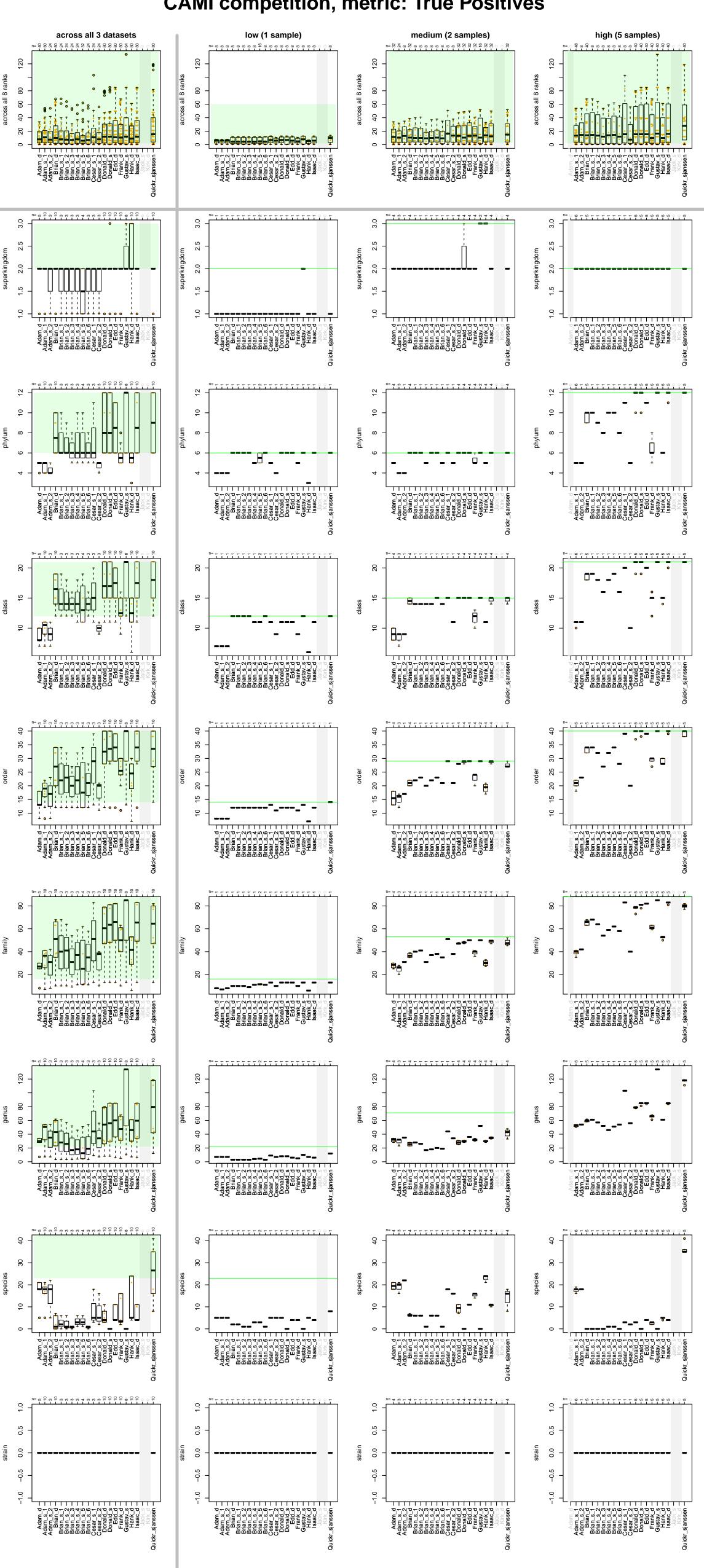
CAMI competition, metric: False Positives



CAMI competition, metric: False Negatives



CAMI competition, metric: True Positives



number of taxonomic classes in gold standard profile(s)