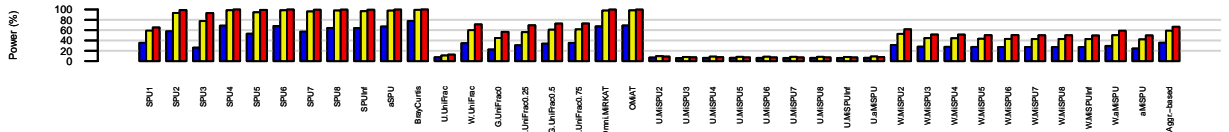
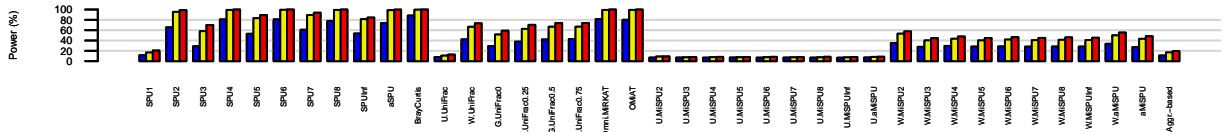


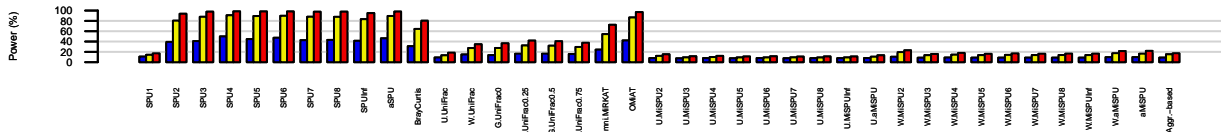
A. Positive effect: OTUs in upper 10% in abundance



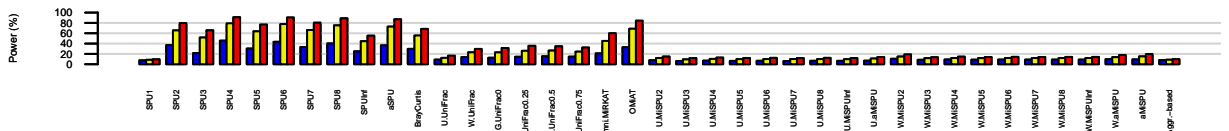
B. Mixed effect: OTUs in upper 10% in abundance



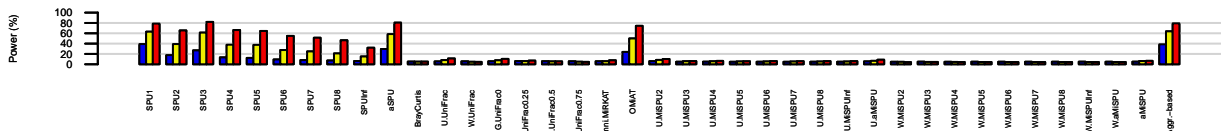
C. Positive effect: A random 10% of OTUs



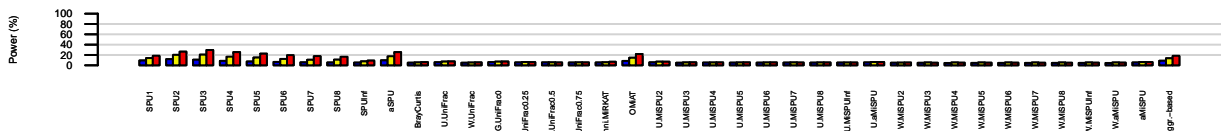
D. Mixed effect: A random 10% of OTUs



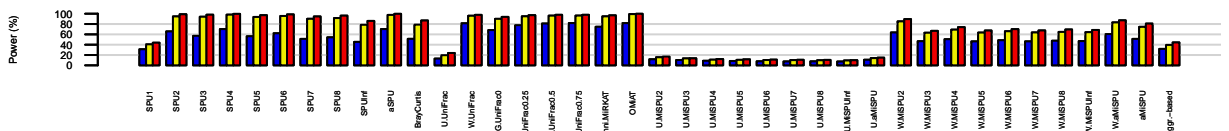
E. Positive effect: OTUs in lower 10% of abundance



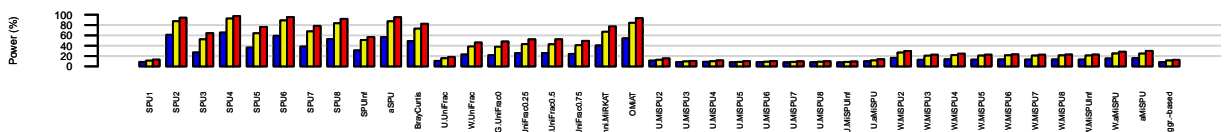
F. Mixed effect: OTUs in lower 10% of abundance



G. Positive effect: OTUs in the cluster



H. Mixed effect: OTUs in the cluster



■ β is sampled from $Unif(0,1)$ for positive effect and from $Unif(-1,1)$ for mixed effect
■ β is sampled from $Unif(0,2)$ for positive effect and from $Unif(-2,2)$ for mixed effect
■ β is sampled from $Unif(0,3)$ for positive effect and from $Unif(-3,3)$ for mixed effect