T-test	- Assumes a gaussian distribution
	- FPR: Robust across the range
	- AUC performance: Low
	- AUC robustness: Low
	- Balance sensitivity: Sensitive to balanced studies
	- Computational burden: very fast
Log t-test	- Assumes a log-gaussian distribution
	- FPR: Robust across the range
	- AUC performance: Low
	- AUC robustness: Low
	- Balance sensitivity: Sensitive to balanced studies
	- Computational burden: very fast
Wilcoxon rank sum test	- No distributional assumptions, uses ranks
	- FPR: Robust across the range
	- AUC performance: Low
	- AUC robustness: Low
	- Balance sensitivity: Low
	- Computational burden: Very fast
Negative binomial GLM	- Assumes a negative binomial distribution
	- FPR: Robust, conservative with high sparsity
	- AUC performance: Medium
	- AUC robustness: High
	- Balance sensitivity: Low
	- Computational burden: Medium
DEseq2	- Assumes a negative binomial distribution

	- FPR: Robust, very conservative with high sparsity
	- AUC performance: Medium
	- AUC robustness: Medium
	- Balance sensitivity: Low
	- Computational burden: Slow
edgeR	- Assumes a negative binomial distribution
	- FPR: Inflated
	- AUC performance: Good
	- AUC robustness: Medium
	- Balance sensitivity: Low
	- Computational burden: Medium
baySeq	- Assumes a negative binomial distribution, bayesian inference
	- FPR: Inflated
	- AUC performance: Good
	- AUC robustness: Medium
	- Balance sensitivity: Low
	- Computational burden: Very slow
ALDEx2	- Assumes gaussian (t-test) or no assumptions (Wilcoxon) when testing Dirichlet Monte Carlo samples
	- FPR: Conservative
	- AUC performance: Medium
	- AUC robustness: Medium
	- Balance sensitivity: Low
	- Computational burden: Very slow
metagenomeSeq ZIG, filtered	- Assumes a log-gaussian distribution
	- FPR: Slightly inflated

	- AUC performance: Good
	- AUC robustness: Medium
	- Balance sensitivity: Sensitive to unbalanced studies
	- Computational burden: Fast
metagenomeSeq, featureModel	- Assumes a log-gaussian distribution
	- FPR: Robust, very conservative with high sparsity
	- AUC performance: Good
	- AUC robustness: High
	- Balance sensitivity: Low
	- Computational burden: Fast
Permutation test	- No distributional assumptions
	- FPR: Robust across the range
	- AUC performance: Medium
	- AUC robustness: High
	- Balance sensitivity: Low
	- Computational burden: Slow, depending on number of permutations