Mean ROC curves for Human Gut II with effect 1.5 Experimental designs with 3 M total mapped reads for genes with low variability 1.00 -0.75 -True Positive Rate Experimental design m = 3 d = 1 Mm = 6 d = 500 km = 15 d = 200 km = 30 d = 100 k0.25 -0.00 -0.4 0.6 0.0 0.2 8.0 1.0

False Positive Rate