R-Candy vs BWA in function of different read lengthes vs. mismatches 25 30 100 100 0.15 0.50 0.50.1 True Positive Rate (Sensitivity) # Mismatches 0.35.1 0.75 0.00.1 40 35 100 100 Label 0.15 0.12,1 **BWA** Default parameters BWA Ancient parameters 0.50 0.50.1 r-candy 0.35 0.25 0.50 0.00 0.25 0.50 0.50 0.25 0.00

False Positive Rate (1–Specificity)