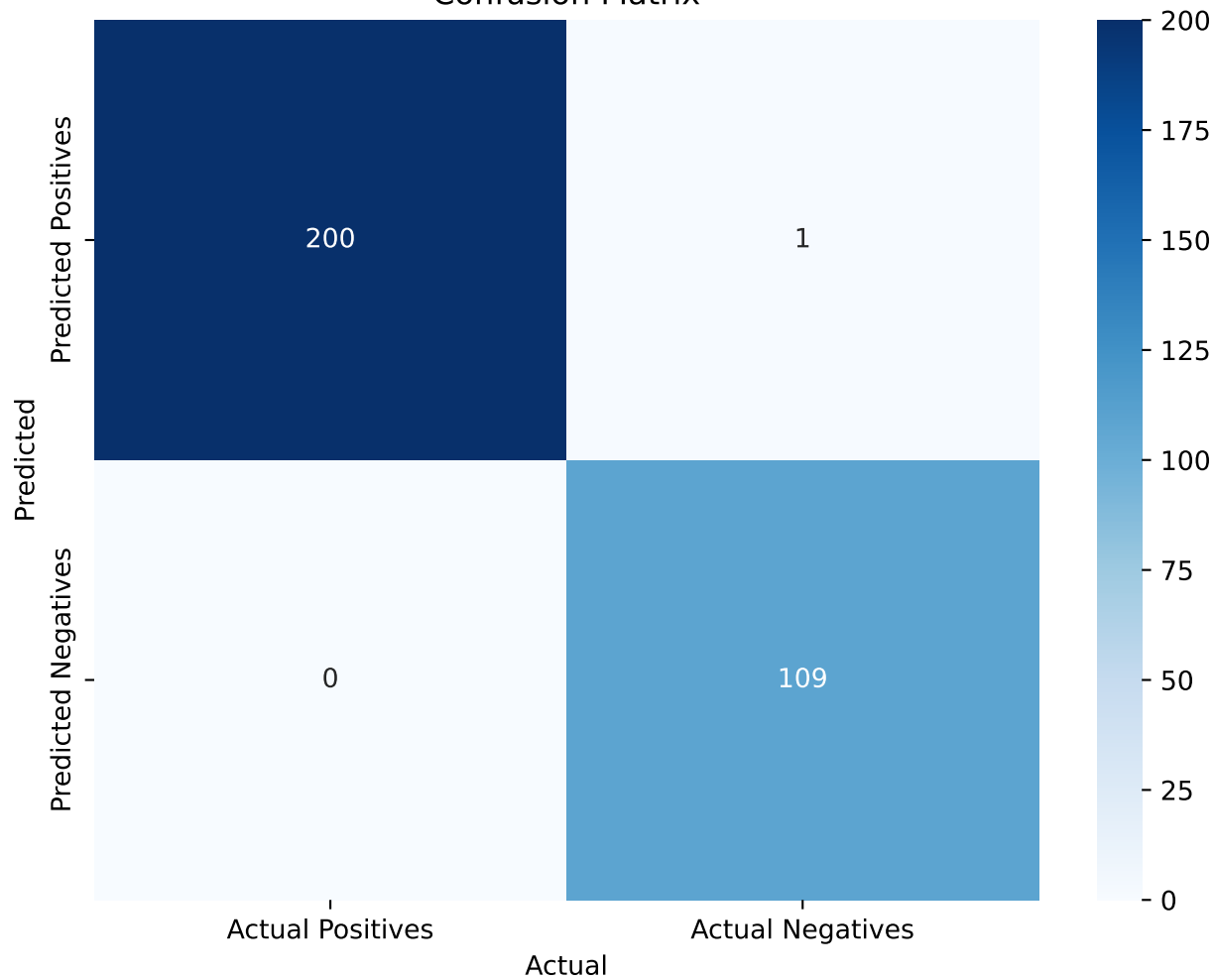


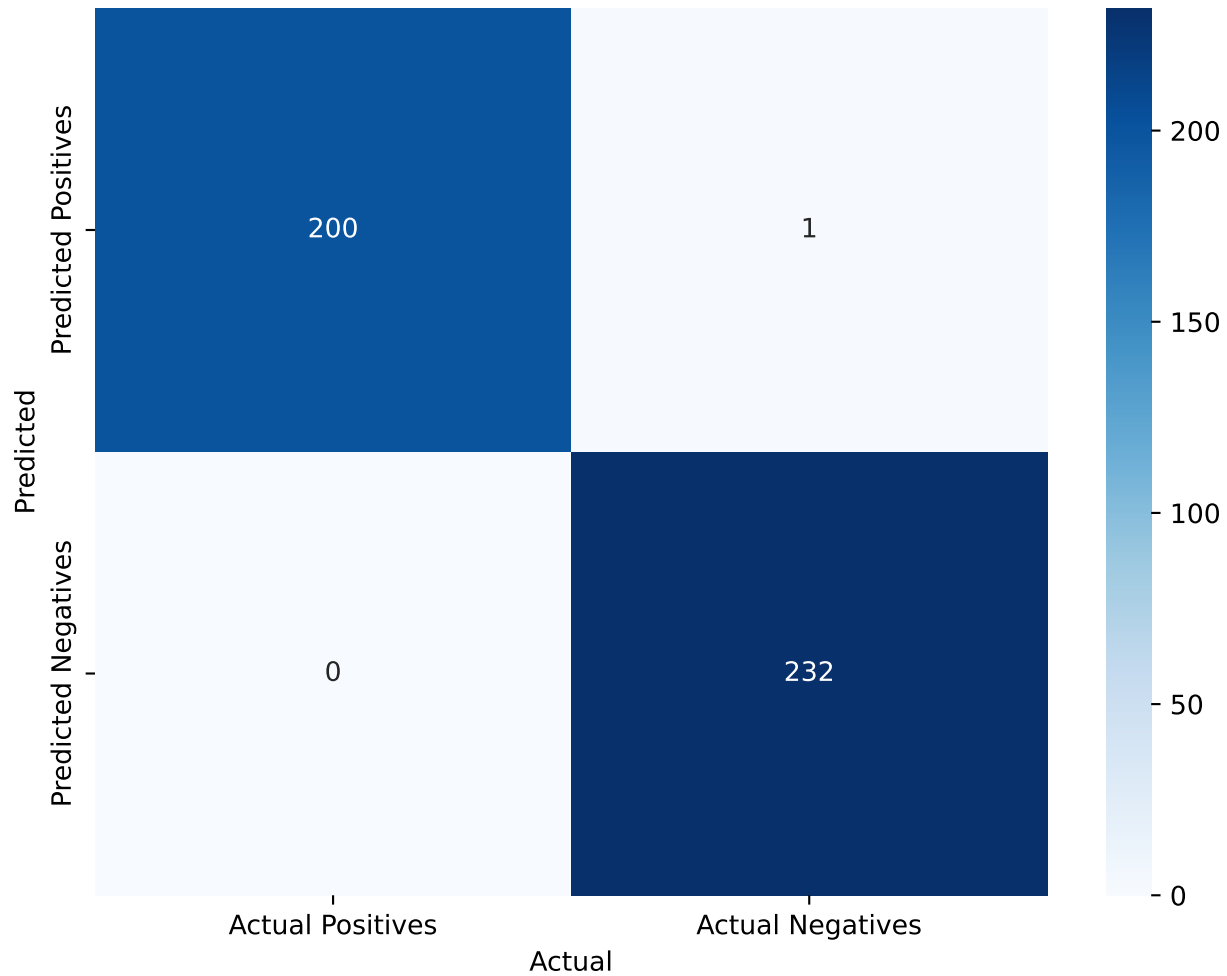
Confusion Matrix



Parameter Set:

- PCR Cycles: 10
- Barcode Length: 12
- PCR Efficiency: 0.85
- Error Probability: 0.0001
- Initial Barcodes: 200
  
- True Positives (TP): 200
- True Negatives (TN): 109
  - False Positives (FP): 1
  - False Negatives (FN): 0
  - Precision: 0.9950
  - Accuracy: 0.9968
- Runtime: 2.07 seconds

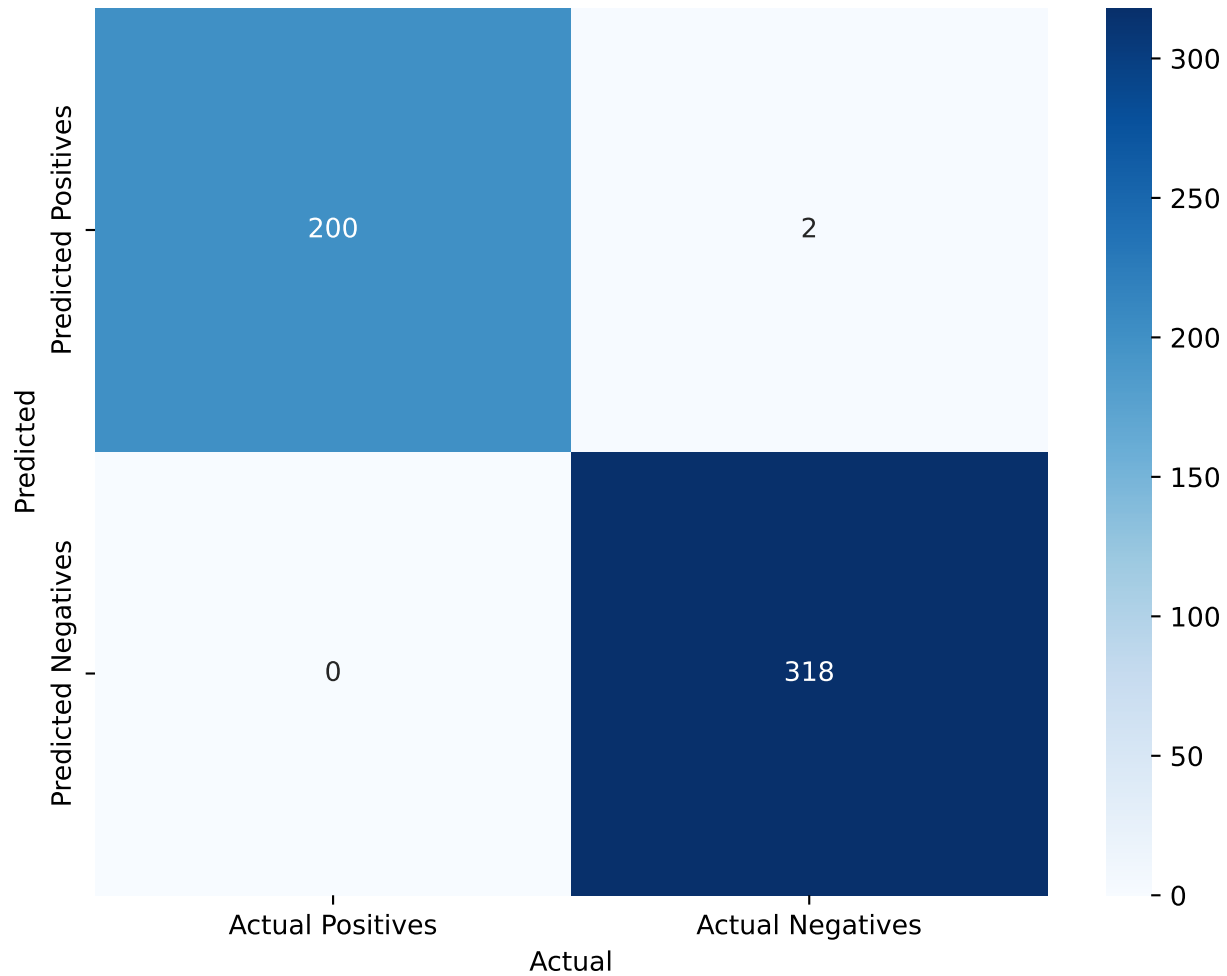
Confusion Matrix



Parameter Set:

- PCR Cycles: 10
- Barcode Length: 24
- PCR Efficiency: 0.85
- Error Probability: 0.0001
- Initial Barcodes: 200
  
- True Positives (TP): 200
- True Negatives (TN): 232
- False Positives (FP): 1
- False Negatives (FN): 0
- Precision: 0.9950
- Accuracy: 0.9977
- Runtime: 14.23 seconds

Confusion Matrix



Parameter Set:

- PCR Cycles: 10
- Barcode Length: 36
- PCR Efficiency: 0.85
- Error Probability: 0.0001
- Initial Barcodes: 200
  
- True Positives (TP): 200
- True Negatives (TN): 318
- False Positives (FP): 2
- False Negatives (FN): 0
- Precision: 0.9901
- Accuracy: 0.9962
- Runtime: 45.86 seconds

Confusion Matrix



Parameter Set:

- PCR Cycles: 15
- Barcode Length: 12
- PCR Efficiency: 0.85
- Error Probability: 0.0001
- Initial Barcodes: 200
  
- True Positives (TP): 197
- True Negatives (TN): 2277
  - False Positives (FP): 0
  - False Negatives (FN): 3
    - Precision: 1.0000
    - Accuracy: 0.9988
- Runtime: 162.43 seconds



Confusion Matrix



Parameter Set:

- PCR Cycles: 15
- Barcode Length: 24
- PCR Efficiency: 0.85
- Error Probability: 0.0001
- Initial Barcodes: 200
  
- True Positives (TP): 199
- True Negatives (TN): 4447
  - False Positives (FP): 4
  - False Negatives (FN): 1
  - Precision: 0.9803
  - Accuracy: 0.9989
- Runtime: 2770.28 seconds

Confusion Matrix



Parameter Set:

- PCR Cycles: 15
- Barcode Length: 36
- PCR Efficiency: 0.85
- Error Probability: 0.0001
- Initial Barcodes: 200
  
- True Positives (TP): 200
- True Negatives (TN): 6377
- False Positives (FP): 11
- False Negatives (FN): 0
- Precision: 0.9479
- Accuracy: 0.9983
- Runtime: 7960.81 seconds

### Summary of Results:

- Best Run: (Precision=0.0000, Accuracy=0.0000)
  - Worst Run: (Precision=inf, Accuracy=inf)
  - Most Precise Run: (Precision=0.0000)
  - Most Accurate Run: (Accuracy=0.0000)
- Average Time Per Molecule: 0.0000 seconds