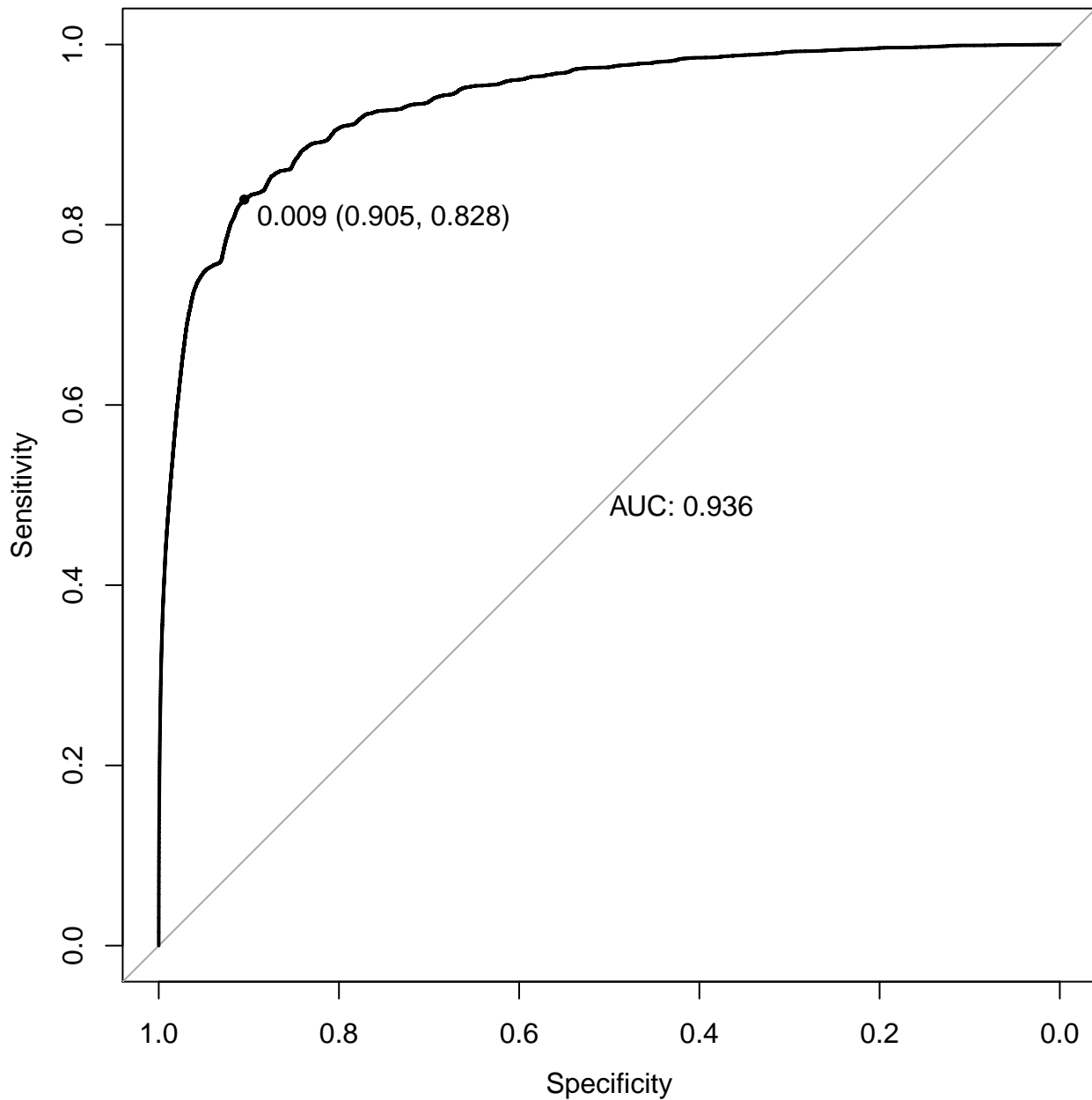


ROC curve



```
$days_in_game
```

```
[1] "0-7"
```

```
[[2]]
```

```
Area under the curve: 0.9365
```

```
$cutOff
```

```
[1] 0.1251606
```

## Confusion Matrix and Statistics

	Reference	
Prediction	FALSE	TRUE
FALSE	2010991	9145
TRUE	9146	5446

Accuracy : 0.991

95% CI : (0.9909, 0.9911)

No Information Rate : 0.9928

P-Value [Acc > NIR] : 1

Kappa : 0.3687

McNemar's Test P-Value : 1

Sensitivity : 0.373244

Specificity : 0.995473

Pos Pred Value : 0.373218

Neg Pred Value : 0.995473

Prevalence : 0.007171

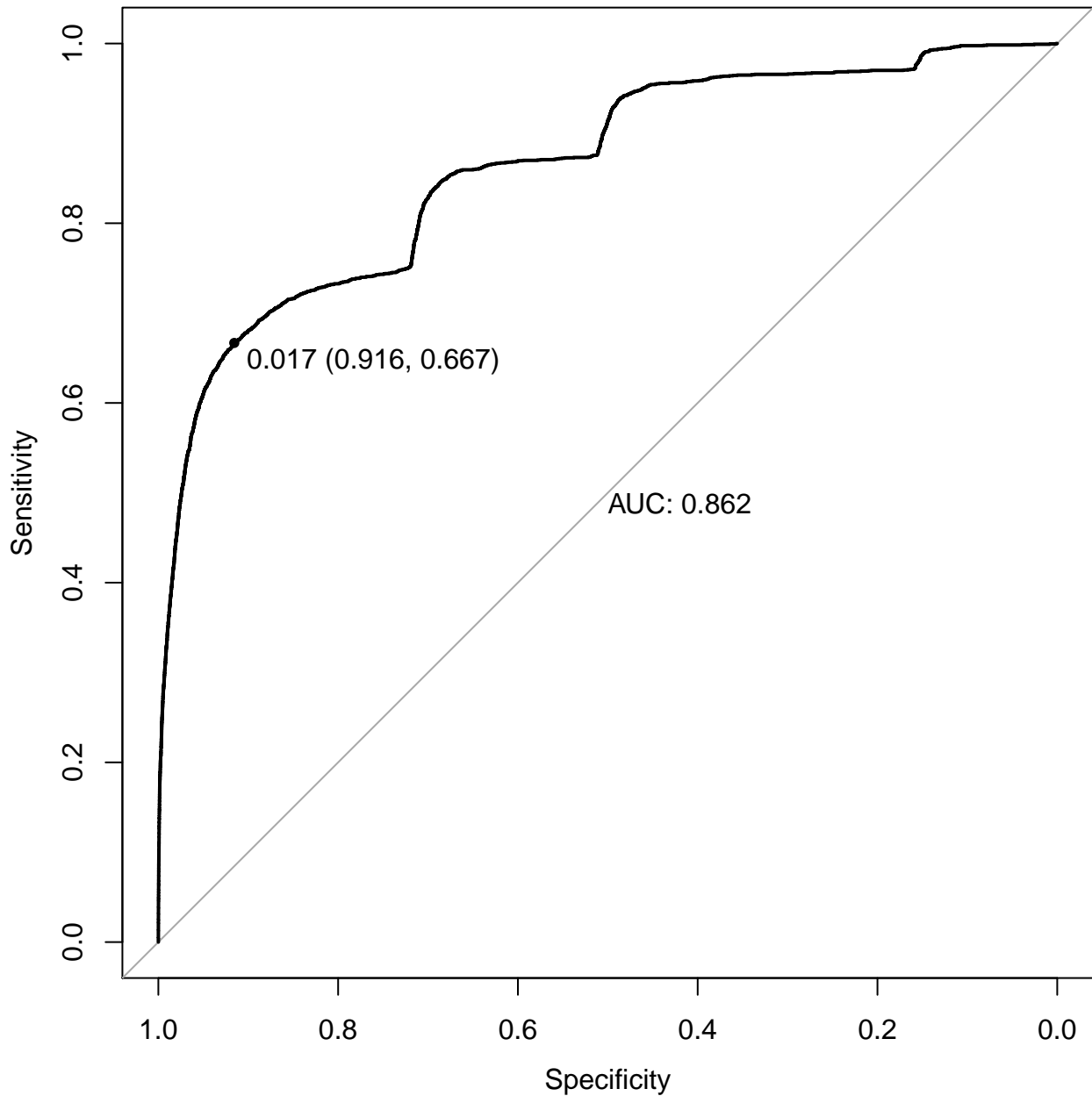
Detection Rate : 0.002677

Detection Prevalence : 0.007171

Balanced Accuracy : 0.684358

'Positive' Class : TRUE

ROC curve



```
$days_in_game
```

```
[1] 0
```

```
[[2]]
```

```
Area under the curve: 0.8616
```

```
$cutOff
```

```
[1] 0.02754714
```

## Confusion Matrix and Statistics

	Reference	
Prediction	FALSE	TRUE
FALSE	250127	1740
TRUE	1738	736

Accuracy : 0.9863

95% CI : (0.9859, 0.9868)

No Information Rate : 0.9903

P-Value [Acc > NIR] : 1.0000

Kappa : 0.2905

McNemar's Test P-Value : 0.9865

Sensitivity : 0.297254

Specificity : 0.993099

Pos Pred Value : 0.297494

Neg Pred Value : 0.993092

Prevalence : 0.009735

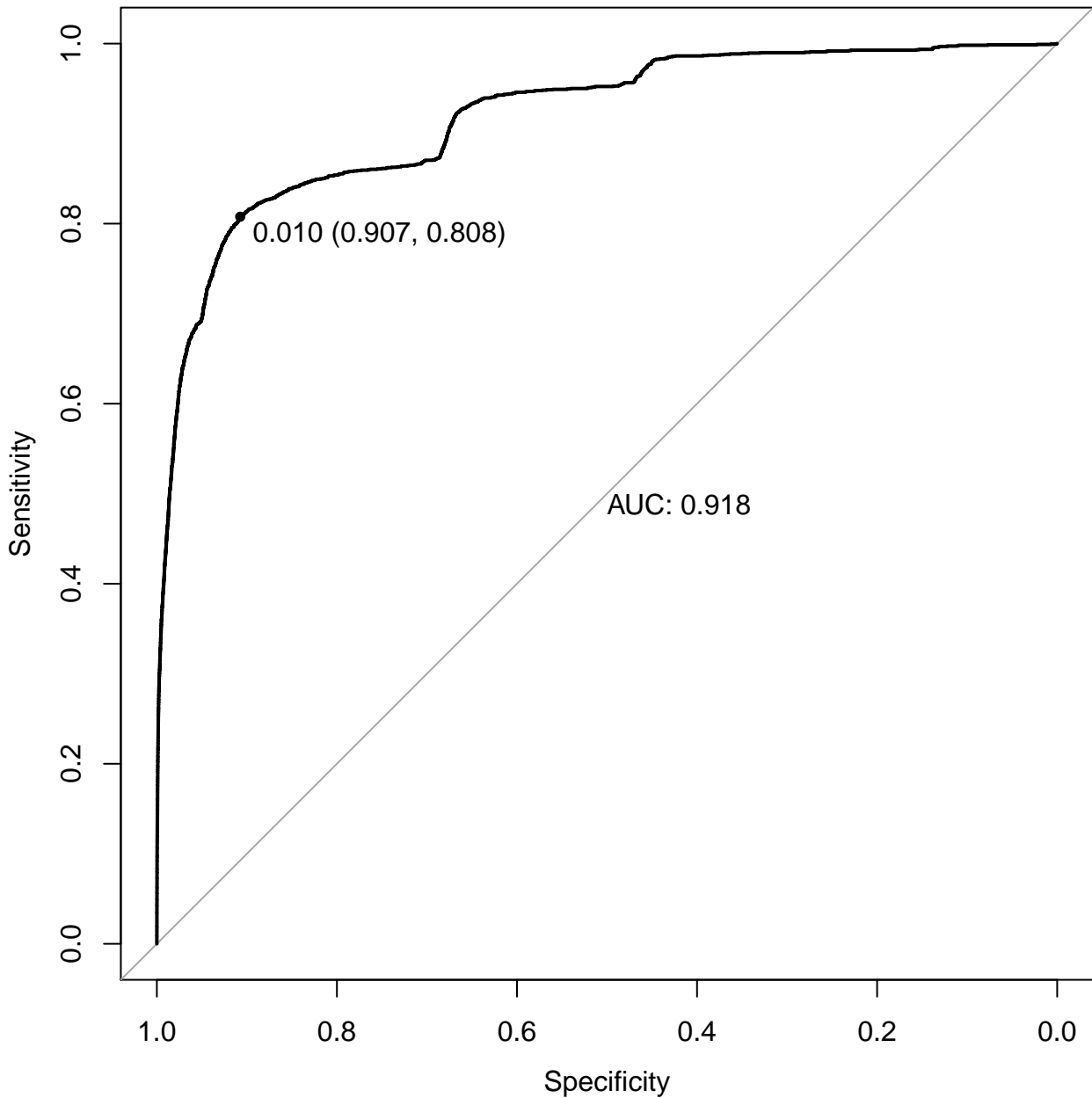
Detection Rate : 0.002894

Detection Prevalence : 0.009727

Balanced Accuracy : 0.645177

'Positive' Class : TRUE

ROC curve



```
$days_in_game
```

```
[1] 1
```

```
[[2]]
```

```
Area under the curve: 0.9181
```

```
$cutOff
```

```
[1] 0.04389901
```



## Confusion Matrix and Statistics

	Reference	
Prediction	FALSE	TRUE
FALSE	250769	1388
TRUE	1388	796

Accuracy : 0.9891

95% CI : (0.9887, 0.9895)

No Information Rate : 0.9914

P-Value [Acc > NIR] : 1

Kappa : 0.359

McNemar's Test P-Value : 1

Sensitivity : 0.364469

Specificity : 0.994495

Pos Pred Value : 0.364469

Neg Pred Value : 0.994495

Prevalence : 0.008587

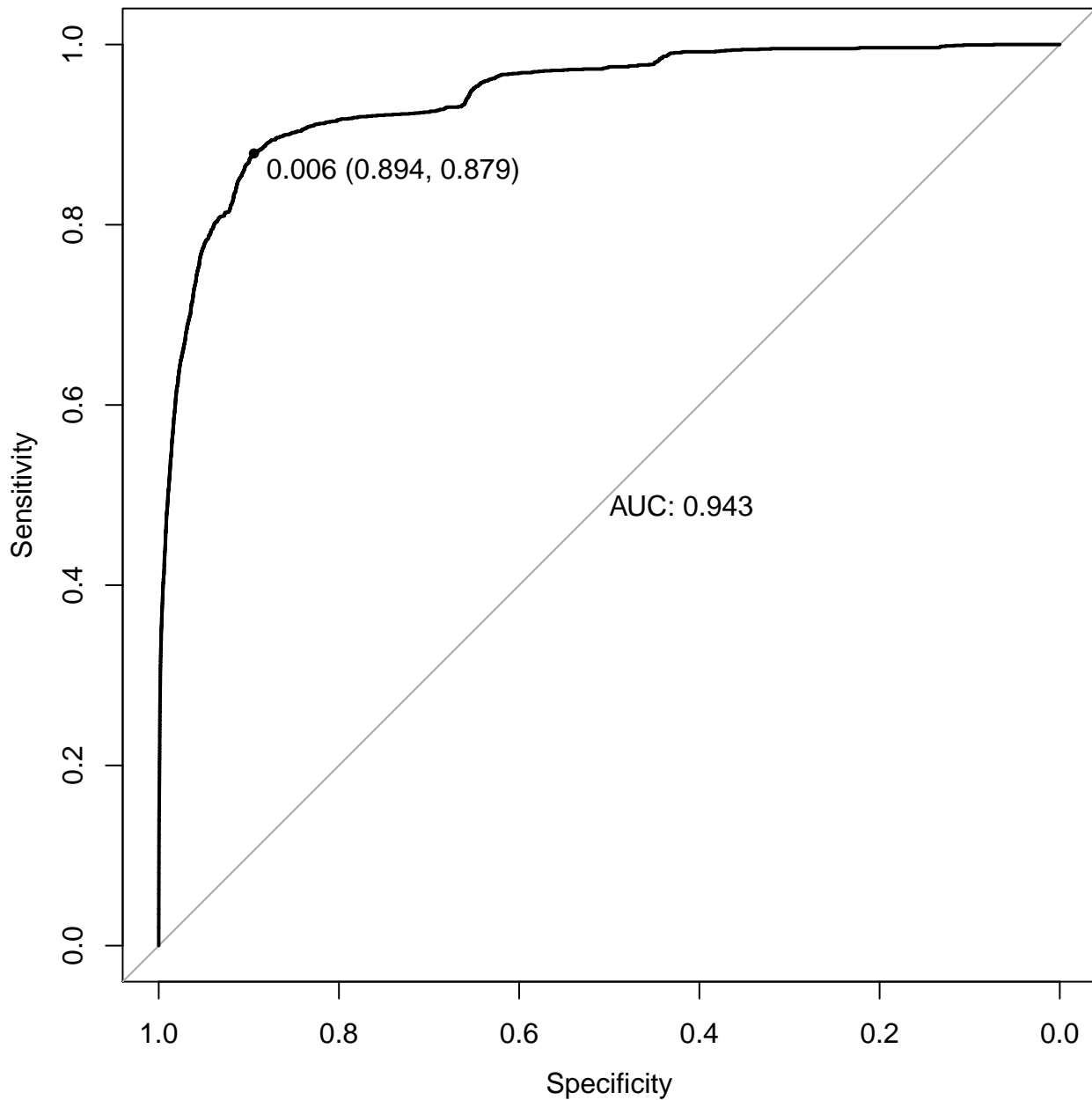
Detection Rate : 0.003130

Detection Prevalence : 0.008587

Balanced Accuracy : 0.679482

'Positive' Class : TRUE

ROC curve



```
$days_in_game
```

```
[1] 2
```

```
[[2]]
```

```
Area under the curve: 0.9425
```

```
$cutOff
```

```
[1] 0.06697782
```

## Confusion Matrix and Statistics

	Reference	
Prediction	FALSE	TRUE
FALSE	251158	1196
TRUE	1197	790

Accuracy : 0.9906

95% CI : (0.9902, 0.991)

No Information Rate : 0.9922

P-Value [Acc > NIR] : 1

Kappa : 0.3929

McNemar's Test P-Value : 1

Sensitivity : 0.397784

Specificity : 0.995257

Pos Pred Value : 0.397584

Neg Pred Value : 0.995261

Prevalence : 0.007808

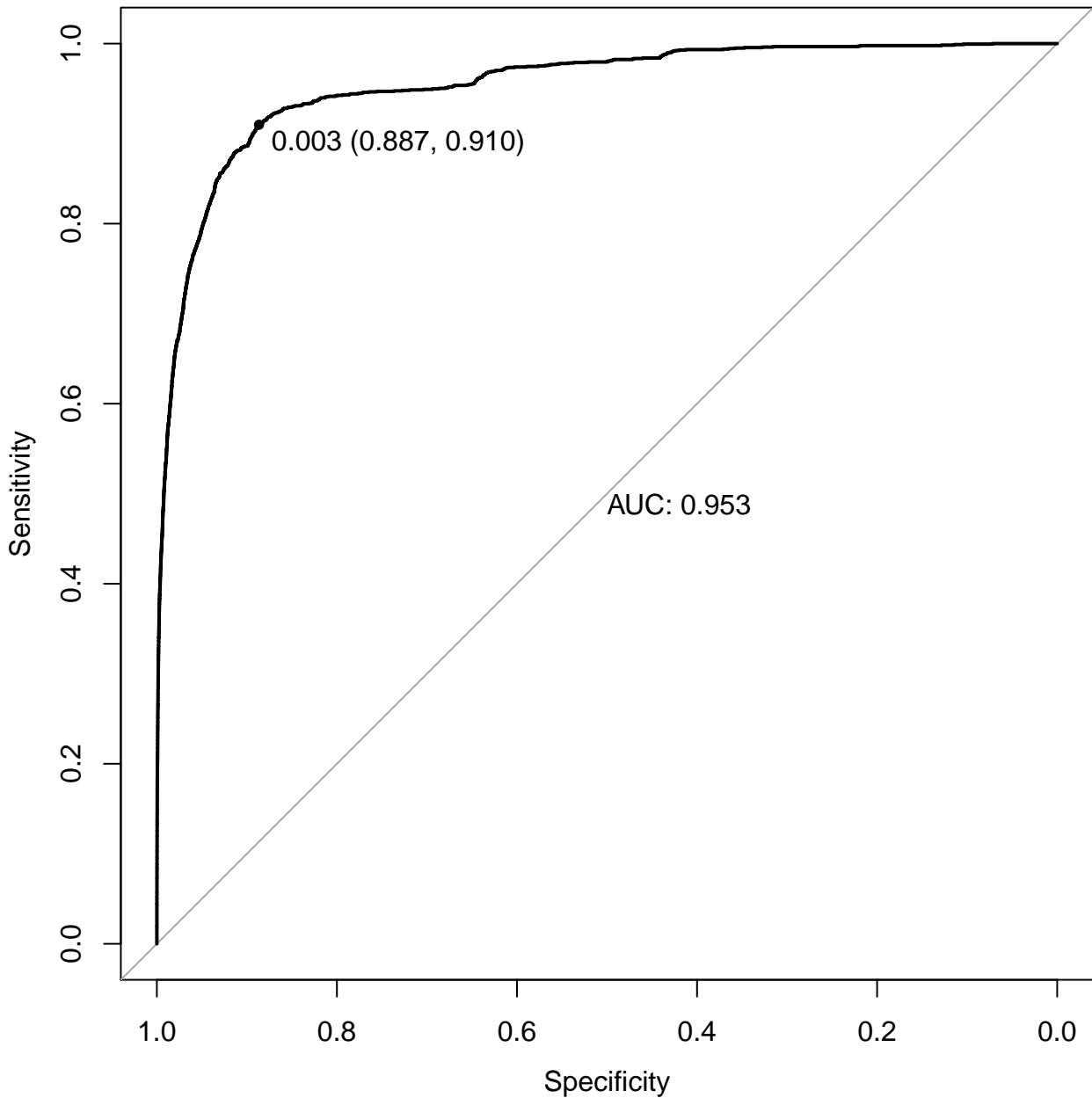
Detection Rate : 0.003106

Detection Prevalence : 0.007812

Balanced Accuracy : 0.696521

'Positive' Class : TRUE

ROC curve



```
$days_in_game
```

```
[1] 3
```

```
[[2]]
```

```
Area under the curve: 0.9533
```

```
$cutOff
```

```
[1] 0.09882017
```

## Confusion Matrix and Statistics

	Reference	
Prediction	FALSE	TRUE
FALSE	251477	1055
TRUE	1055	754

Accuracy : 0.9917

95% CI : (0.9913, 0.9921)

No Information Rate : 0.9929

P-Value [Acc > NIR] : 1

Kappa : 0.4126

McNemar's Test P-Value : 1

Sensitivity : 0.416805

Specificity : 0.995822

Pos Pred Value : 0.416805

Neg Pred Value : 0.995822

Prevalence : 0.007112

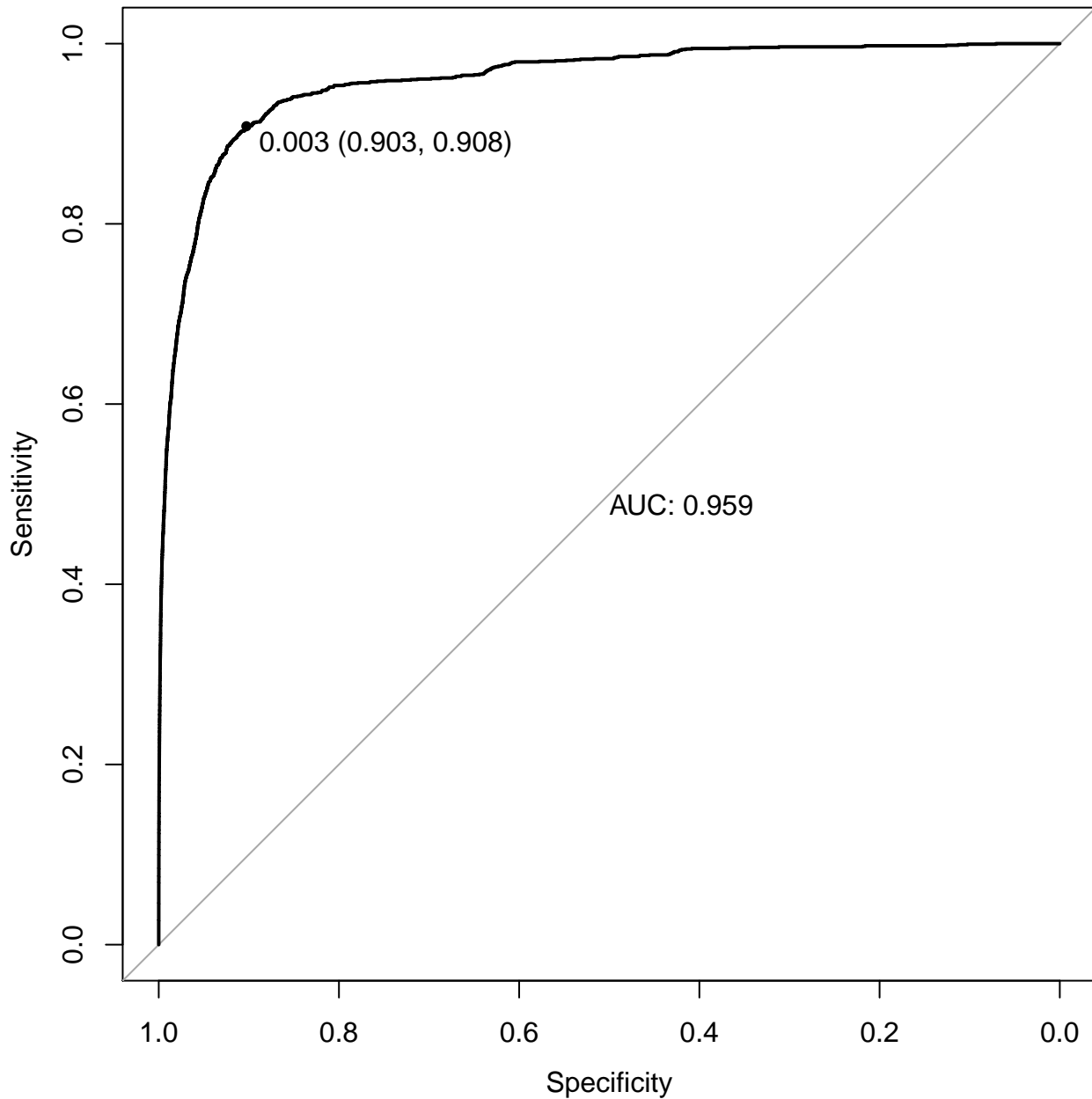
Detection Rate : 0.002965

Detection Prevalence : 0.007112

Balanced Accuracy : 0.706314

'Positive' Class : TRUE

ROC curve





```
$days_in_game
```

```
[1] 4
```

```
[[2]]
```

```
Area under the curve: 0.9592
```

```
$cutOff
```

```
[1] 0.1449648
```

## Confusion Matrix and Statistics

	Reference	
Prediction	FALSE	TRUE
FALSE	251701	959
TRUE	960	721

Accuracy : 0.9925

95% CI : (0.9921, 0.9928)

No Information Rate : 0.9934

P-Value [Acc > NIR] : 1

Kappa : 0.4252

McNemar's Test P-Value : 1

Sensitivity : 0.429167

Specificity : 0.996200

Pos Pred Value : 0.428911

Neg Pred Value : 0.996204

Prevalence : 0.006605

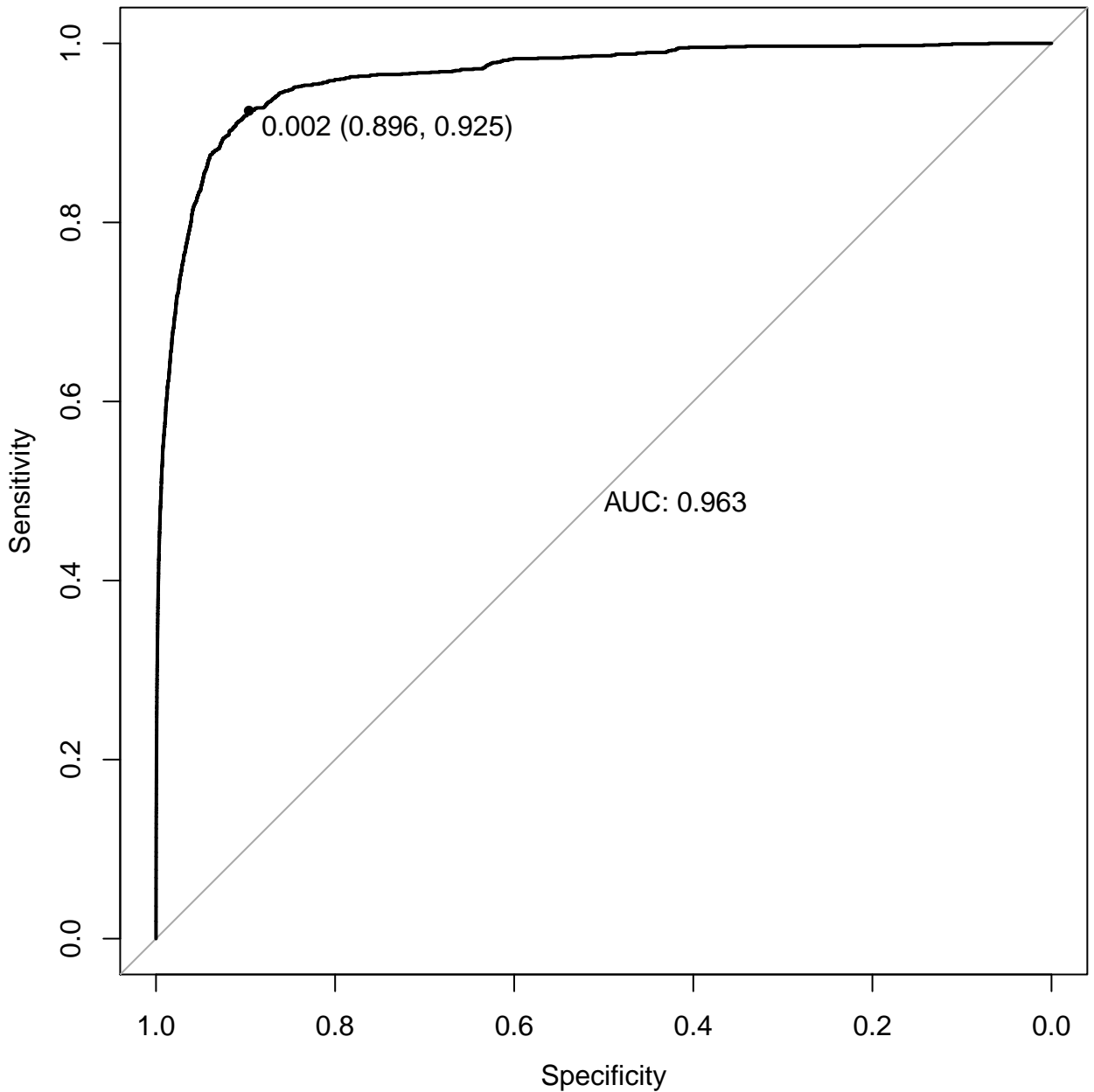
Detection Rate : 0.002835

Detection Prevalence : 0.006609

Balanced Accuracy : 0.712684

'Positive' Class : TRUE

ROC curve



```
$days_in_game
```

```
[1] 5
```

```
[[2]]
```

```
Area under the curve: 0.9632
```

```
$cutOff
```

```
[1] 0.1959045
```

## Confusion Matrix and Statistics

	Reference	
Prediction	FALSE	TRUE
FALSE	251872	887
TRUE	887	695

Accuracy : 0.993

95% CI : (0.9927, 0.9933)

No Information Rate : 0.9938

P-Value [Acc > NIR] : 1

Kappa : 0.4358

McNemar's Test P-Value : 1

Sensitivity : 0.439317

Specificity : 0.996491

Pos Pred Value : 0.439317

Neg Pred Value : 0.996491

Prevalence : 0.006220

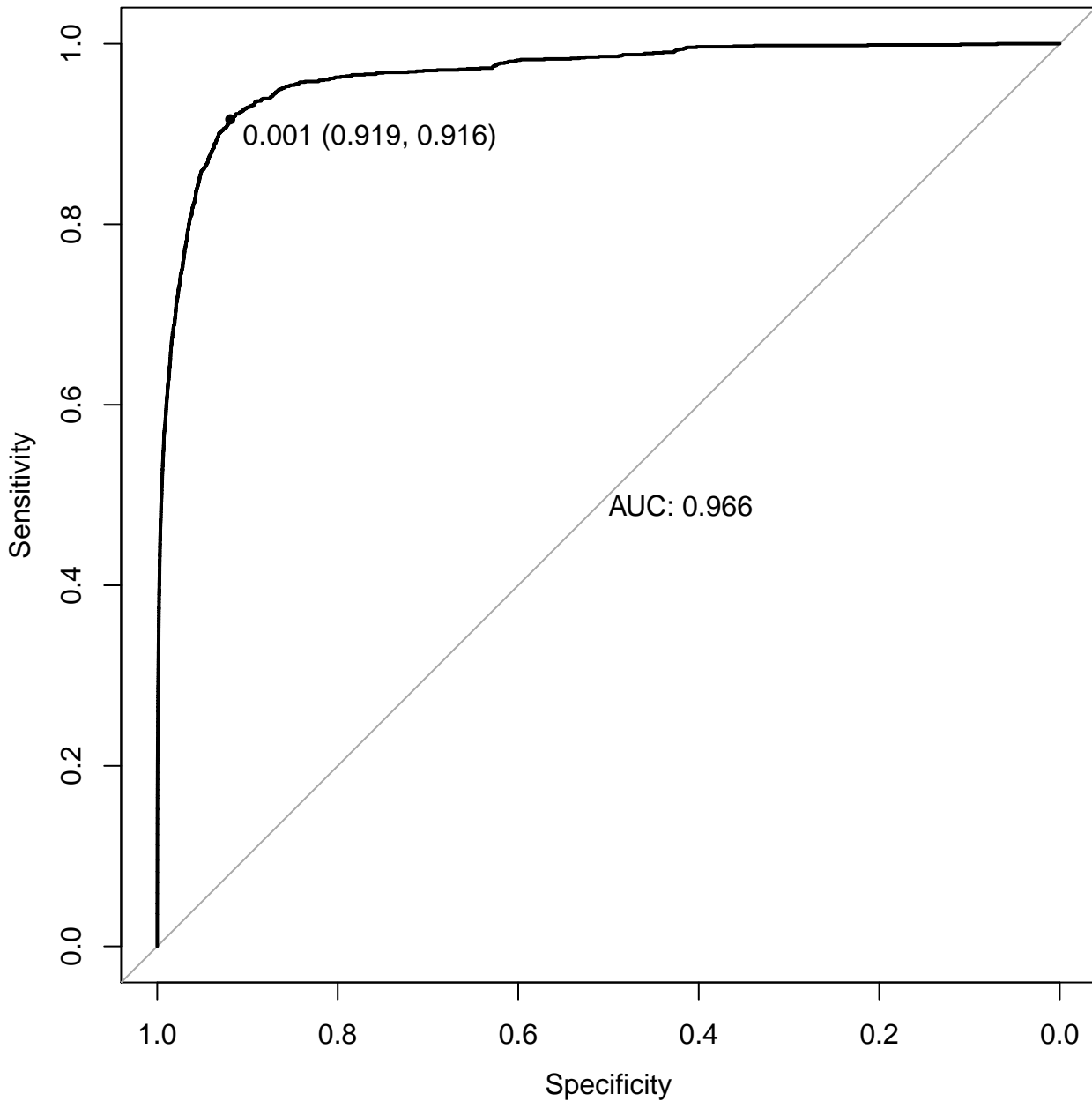
Detection Rate : 0.002733

Detection Prevalence : 0.006220

Balanced Accuracy : 0.717904

'Positive' Class : TRUE

ROC curve



```
$days_in_game
```

```
[1] 6
```

```
[[2]]
```

```
Area under the curve: 0.966
```

```
$cutOff
```

```
[1] 0.2670319
```

## Confusion Matrix and Statistics

	Reference	
Prediction	FALSE	TRUE
FALSE	252044	814
TRUE	817	666

Accuracy : 0.9936

95% CI : (0.9933, 0.9939)

No Information Rate : 0.9942

P-Value [Acc > NIR] : 0.9999

Kappa : 0.4463

McNemar's Test P-Value : 0.9605

Sensitivity : 0.450000

Specificity : 0.996769

Pos Pred Value : 0.449090

Neg Pred Value : 0.996781

Prevalence : 0.005819

Detection Rate : 0.002619

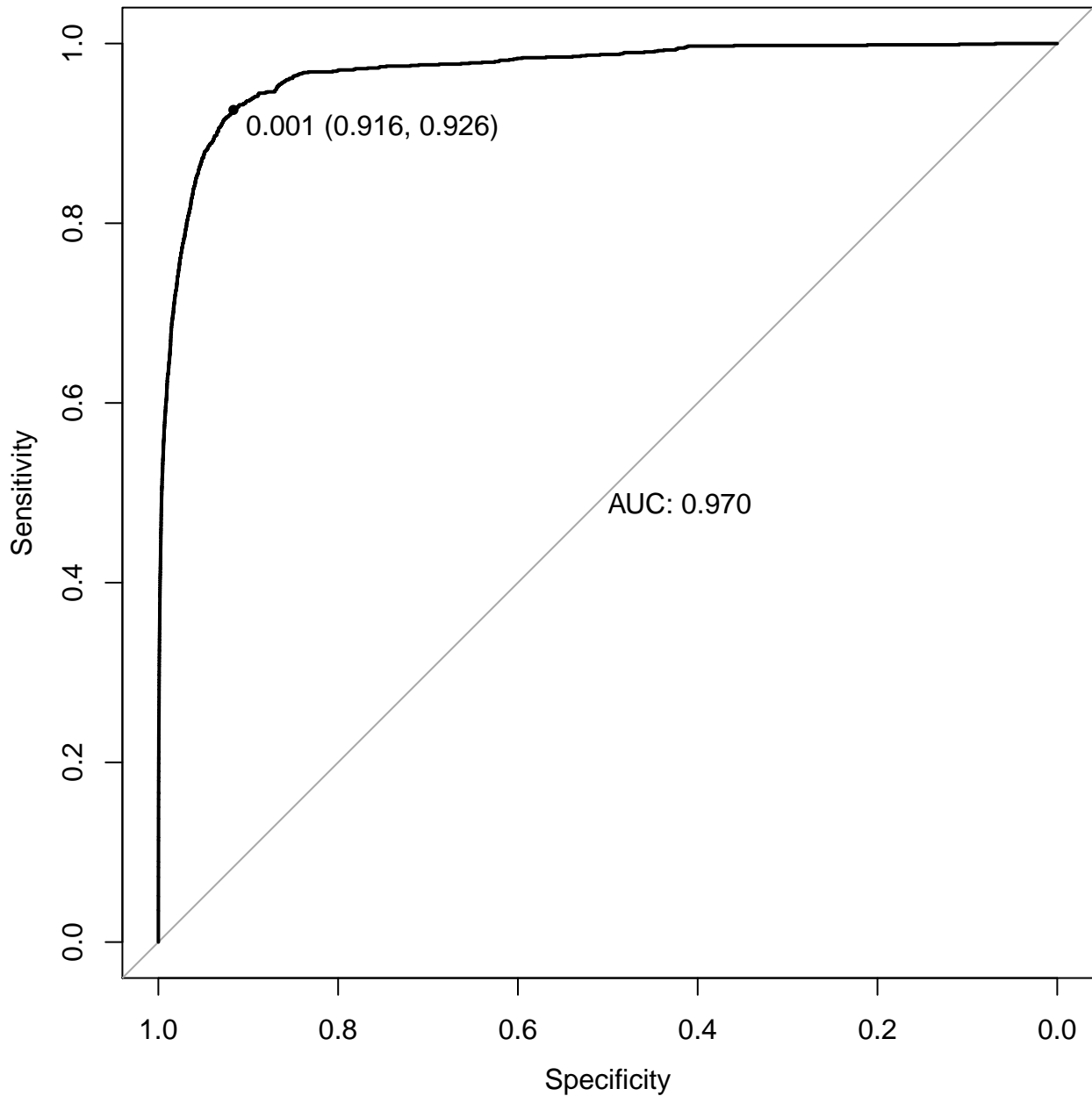
Detection Prevalence : 0.005831

Balanced Accuracy : 0.723384

'Positive' Class : TRUE



ROC curve



```
$days_in_game
```

```
[1] 7
```

```
[[2]]
```

```
Area under the curve: 0.9699
```

```
$cutOff
```

```
[1] 0.3496963
```

## Confusion Matrix and Statistics

	Reference	
Prediction	FALSE	TRUE
FALSE	252193	753
TRUE	754	641

Accuracy : 0.9941

95% CI : (0.9938, 0.9944)

No Information Rate : 0.9945

P-Value [Acc > NIR] : 0.9987

Kappa : 0.4567

McNemar's Test P-Value : 1.0000

Sensitivity : 0.459828

Specificity : 0.997019

Pos Pred Value : 0.459498

Neg Pred Value : 0.997023

Prevalence : 0.005481

Detection Rate : 0.002520

Detection Prevalence : 0.005485

Balanced Accuracy : 0.728423

'Positive' Class : TRUE