

## eFigure 2: Test Characteristics using Derivation and Validation Cohorts

### A. Derivation Cohort

|                         | Flagged/Adjudicated<br>Sepsis + | Flagged/Adjudicated<br>Sepsis - |
|-------------------------|---------------------------------|---------------------------------|
| Bioinformatics Sepsis + | 145                             | 207                             |
| Bioinformatics Sepsis - | 42                              | 671                             |

Sensitivity  $145/187 = 78\%$

Specificity  $671/878 = 76\%$

Positive predictive value  $145/352 = 41\%$

Negative predictive value  $671/713 = 94\%$

### B. Validation Cohort

|                         | Flagged/Adjudicated<br>Sepsis + | Flagged/Adjudicated<br>Sepsis - |
|-------------------------|---------------------------------|---------------------------------|
| Bioinformatics Sepsis + | 72                              | 97                              |
| Bioinformatics Sepsis - | 13                              | 179                             |

Sensitivity  $72/85 = 84\%$

Specificity  $179/276 = 65\%$

Positive predictive value  $72/169 = 43\%$

Negative predictive value  $179/192 = 93\%$