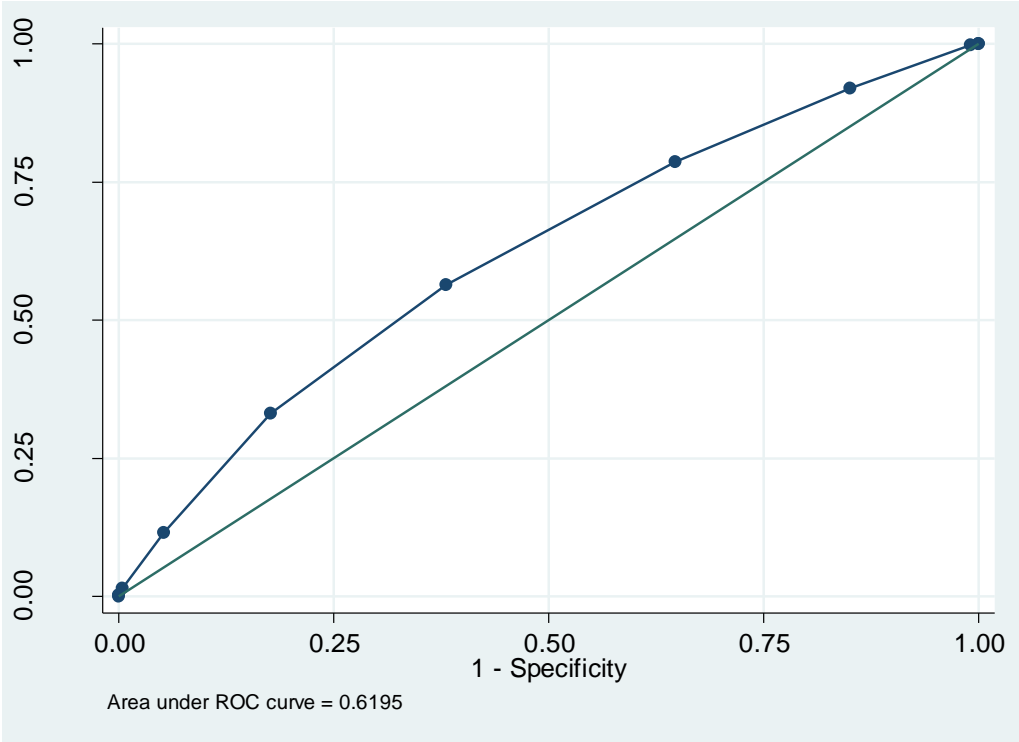Supplementary Figure 1 Legend. Receiver-operating characteristic (ROC) curve and corresponding area under the curve (AUC) statistics for the risk score of advanced neoplasia in the validation cohort.

Supplementary Figure 1.



Area under ROC curve = 0.6195

Supplementary Table 1. Expected to observed risk for advanced colorectal neoplasia in the

validation data set (N=17,939) by simplified risk score.

| Risk score | Observed risk | Expected risk | Expected to observed ratio | (95% CI) |
|---|---|---|---|---|
| 0 | 2 | 3.1 | 1.57 | 0.39-6.26 |
| 1 | 95 | 70.1 | 0.74 | 0.60-0.90 |
| 2 | 165 | 160.4 | 0.97 | 0.83-1.13 |
| 3 | 284 | 279.7 | 0.99 | 0.88-1.11 |
| 4 | 290 | 307.4 | 1.06 | 0.95-1.19 |
| 5 | 274 | 274.5 | 1.00 | 0.89-1.13 |
| 6 | 134 | 134.0 | 1.00 | 0.96-1.36 |
| 7 and 8† | 26 | 27.8 | 1.07 | 0.73-1.57 |
| Total | 1,270 | 1,275.3 | 1.00 | 0.95-1.06 |

* Advanced neoplasia includes both advanced adenomas and cancers

† Due to small sample risk score 7 and 8 are presented in one row