**Supplementary Table 2. Candidate models and prediction performance in the validation cohort**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model number** | **FDR threshold** | **#variable selected by univariate analysis** | **Multivariate selection criteria** | **#variable selected by multivariate analysis** | **Harrel’s C in validation cohort** | **AUC** | | | | | |
| **6 m** | **12 m** | **18 m** | **24 m** | **30 m** | **36 m** |
| **1** | 0.1 | 38 | AIC | 9 | 0.757 | 0.790 | 0.700 | 0.708 | 0.746 | 0.723 | 0.723 |
| **2** | 0.01 | 21 | AIC | 9 | 0.758 | 0.783 | 0.732 | 0.740 | 0.758 | 0.758 | 0.744 |
| **3** | 0.1 | 38 | BIC | 5 | 0.752 | 0.770 | 0.685 | 0.655 | 0.677 | 0.677 | 0.668 |
| **4** | 0.01 | 21 | BIC | 5 | 0.752 | 0.773 | 0.687 | 0.652 | 0.675 | 0.675 | 0.667 |
| **5. TNM** | - | - | - | - | 0.582 | 0.587 | 0.559 | 0.594 | 0.633 | 0.633 | 0.629 |

m, months.