Supplemental Table 1 Selection of hidden layer presentation nodes of BiDNNs and multimodal autoencoder

|  |  |  |
| --- | --- | --- |
| Nodes | BiDNNs | Multimodal autoencoder |
| C-index | Brier score | log-rank-p | C-index | Brier score | log-rank-p |
| 100 | 0.6243  | 0.1990  | 5.52E-02 | - | - | - |
| 200 | 0.6330  | 0.2042  | 8.16E-02 | 0.5355  | 0.1996  | 8.78E-01 |
| 300 | 0.6685  | 0.2016  | 5.61E-03 | 0.5561  | 0.1995  | 5.10E-01 |
| 400 | 0.6792  | 0.2005  | 1.98E-03 | 0.7123  | 0.2033  | 2.93E-03 |
| 500 | 0.7298  | 0.1899  | 9.61E-06 | 0.5568  | 0.2002  | 2.85E-01 |
| 600 | 0.7157  | 0.2007  | 6.81E-05 | 0.6323  | 0.1980  | 5.34E-03 |
| 700 | 0.7282  | 0.1885  | 1.39E-05 | 0.6400  | 0.2062  | 2.18E-02 |
| 800 | 0.6951  | 0.2009  | 2.71E-04 | 0.6222  | 0.2085  | 3.27E-02 |
| **900** | 0.7530  | 0.1941  | 3.78E-06 | 0.6393  | 0.2044  | 3.38E-03 |
| 1000 | 0.7471  | 0.1965  | 4.29E-06 | 0.7416  | 0.1983  | 2.34E-05 |