

| Performance                        | Accuracy       | MacroSensitivity | MacroSpecificity | MacroPrecision | MacroRecall    | MacroF1        | AUC        | OptimalCutOff |
|------------------------------------|----------------|------------------|------------------|----------------|----------------|----------------|------------|---------------|
| Hazardous softplus sse ( 7 ) 1e-04 | 0.8835 ±0.0115 | 0.5 ±0           | 0.5 ±0           | 0.8835 ±0.0115 | 0.5 ±0         | 0.9381 ±0.0065 | 0.48953263 | 0             |
| Hazardous logistic sse ( 7 ) 1e-04 | 0.9937 ±0.0028 | 0.9851 ±0.0081   | 0.9851 ±0.0081   | 0.9841 ±0.0079 | 0.9851 ±0.0081 | 0.9846 ±0.0067 | 0.99957057 | 0.23982       |
| Hazardous tanh sse ( 7 ) 1e-04     | 0.274 ±0.4301  | 0.5001 ±1e-04    | 0.5001 ±1e-04    | 0.3624 ±0.4375 | 0.5001 ±1e-04  | 0.3383 ±0.4247 | 0.49873694 | 1             |