**Supplementary table S2.** Hyperparameter used and searched to train the distributed models.

|  |  |  |  |
| --- | --- | --- | --- |
| **Classifier** | **Param** | **Value** |  |
| Tree-based | Trees | 1, 3, 5 |  |
| Depth | 4, 5, 6 |  |
|  |  |  |  |
| Neural networks | Learning rate | 0.01, 0.001, 0.0001 | |
| Optimizer | Adam |  |
| Min. epochs | 10 |  |
| Max. epochs | 500 |  |
| Early stopping | 10 |  |