**Table 3**

The model combination found by the Bayesian optimization algorithm.

|  |  |  |
| --- | --- | --- |
| NO. | First Level | Second Level |
| 1 | LGBM、RF、KNN、KNN、KNN | SVR |
| 2 | ET、LGBM、 RF、 XGB、ET | KNN |
| 3 | ET、RF、LGBM、KNN、SVR | GBDT |
| 4 | KNN、KNN、LGBM、 LGBM、RF | LGBM |
| 5 | RF、RF、LGBM、KNN、LGBM | RF |
| 6 | KNN、ET、RF、SVR、RF | XGB |
| 7 | Rf、LGBM、RF、KNN、LGBM | ET |