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| Supplementary Table2. Confusion matrices in training and validation cohort based on 3 laboratory variables |
|  | **Model** | **Predictive** | **Actual** |
|  |  |  | Progressive | Non-Progressive  |
|  **Training cohort** | XGBoost | Progressive | 148 | 0 |
|  | Non-Progressive  | 0 | 148 |
| LightGBM | Progressive | 136 | 10 |
|  | Non-Progressive  | 12 | 138 |
| RandomForest | Progressive | 147 | 1 |
|  | Non-Progressive  | 1 | 147 |
| **Internal validation cohort** | XGBoost | Progressive | 128 | 36 |
|  | Non-Progressive  | 20 | 112 |
| LightGBM | Progressive | 123 | 37 |
|  | Non-Progressive  | 25 | 111 |
| RandomForest | Progressive | 120 | 37 |
|  | Non-Progressive  | 28 | 111 |
| Logistic(Stacking) | Progressive | 131 | 35 |
|  | Non-Progressive  | 17 | 113 |