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| Supplementary Table3. Confusion matrices in training and validation cohort based on 6 laboratory variables |
|  | **Model** | **Predictive** | **Actual** |
|  |  |  | Progressive | Non-Progressive  |
|  **Training cohort** | XGBoost | Progressive | 148 | 0 |
|  | Non-Progressive  | 0 | 148 |
| LightGBM | Progressive | 141 | 2 |
|  | Non-Progressive  | 7 | 146 |
| RandomForest | Progressive | 148 | 0 |
|  | Non-Progressive  | 0 | 148 |
| **Internal validation cohort** | XGBoost | Progressive | 125 | 31 |
|  | Non-Progressive  | 23 | 117 |
| LightGBM | Progressive | 129 | 30 |
|  | Non-Progressive  | 19 | 118 |
| RandomForest | Progressive | 125 | 35 |
|  | Non-Progressive  | 23 | 113 |
| Logistic(Stacking) | Progressive | 139 | 35 |
|  | Non-Progressive  | 9 | 113 |