**Additional file 4**

**Table S4** Selection of optimal features that created the diagnostic panel based on three algorithms.

|  |  |  |
| --- | --- | --- |
| **Algorithms** | **HC-model** | **HCC-model** |
| LASSO | WFAGSL-IIPHA-EPNAAALLELBS-IConADSANPAMAL-IGNABPLPHA-E+LSNA | HHLSJALTLDSAVVAACA |
| SVM-RFE | MAL-INPASJABS-IAALGNADBAConA | BPLHHLDBAACAAAL |
| Boruta | PHA-E+LMAL-IBS-INPABPLAALWGA | HHLPHA-ESJAPNAAALWGALTLBS-IDSAVVAACA |