Supplementary Material

# Supplementary Tables

**Table. S1.** Abbreviation list

|  |  |
| --- | --- |
| Abbreviation | Full name |
| AOC | antioxidation capability  |
| BPNN | back-propagation neural network  |
| CQJJ | Jiangjin District, Chongqing City  |
| GHJ | *Zanthoxylum schinifolium* Sieb.et Zucc, namely “Green Huajiao”  |
| GSLN | Longnan City, Gansu Province  |
| GSQA | Qin’an County, Gansu Province  |
| GZGL | Guanling Buyei and Miao Autonomous County, Guizhou Province  |
| GZZF | Zhenfeng County, Guizhou Province  |
| HBSC | She County, Hebei Province  |
| HSI | hyperspectral imaging  |
| IVSO | iteratively variable subset optimization |
| MASS | model adaptive space shrinkage  |
| MSC | multiplicative signal correction  |
| PLSR | partial least squares regression  |
| R2c | coefficient of the calibration set  |
| R2p | coefficient of the prediction set  |
| RF | random forest  |
| RHJ | *Zanthoxylum bungeanum* Maxim, namely “Red Huajiao”  |
| RMSEC | root mean square error of the calibration set  |
| RMSEP | root mean square error of the prediction set  |
| RPD | relative percent deviation  |
| SCHY | Hanyuan County, Sichuan Province  |
| SCJY | Jinyang County, Sichuan Province  |
| SCLC | Lu County, Sichuan Province  |
| SCMC | Mao County, Sichuan Province  |
| SCPC | Pingchang County, Sichuan Province |
| SCPX | Pengxi County, Sichuan Province |
| SDZZ | Zaozhuang City, Shandong Province  |
| SEC | second derivative  |
| SPA | successive projections algorithm  |
| SVM | support vector machine  |
| SWN | selected wavelengths number (SWN) |
| SXHC | Hancheng City, Shaanxi Province  |
| SXRC | Ruicheng County, Shanxi Province  |
| SXYC | Yangcheng County, Shanxi Province  |
| TALC | total alkylamides content  |
| VISSA | variable iterative space shrinkage approach |
| VOC | volatile oil content  |
| WT | wavelet transform |
| YNKM | Kunming City, Yunnan Province  |
| YNYS | Yongshan County, Yunnan Province  |

All abbreviations are listed in alphabetical order.