

Table S1 Summary table of test samples

Category		Number	Sample
Oolong cultivars	tea	16	Tieguanyin (TGY), Huangdan (HD), Jinmudan (JMD), Chungui (CG), Fujianshuixian (FJSX), Huangguanyin (HGY), Huangmeigui (HMG), Jinguanyin (JGY), Rougui (RG), Zimudan (ZMD), Zimeigui (ZMG), Tongtianxiang (TTX), Xingrenxiang (XRX), Zilanxiang (ZLX), Cuiyu (CY), Jinxuan (JX)
Green cultivars	tea	15	Shuchazao (SCZ), Wancha91 (WC91), Fuding Dabaicha (FDDBC), Fuyun 6 (FY6), Baihaozao (BHZ), Zhuyeqi (ZYQ), Bixiangzao (BXZ), Shancha 1 (SC1), Chuancha 2 (CC2) Ermeiwenchun (EMWC), Jiaming 1 (JM1), Zhongcha 108 (ZC108), Biyun (BY), Longjing 43 (LJ43), Zhenong 12 (ZN12)