

Table. S2 The content of main chemical components in tea (mg/g)

Samples	Caffeine	Total soluble sugar	Total soluble protein	Total free amino acid	Flavanoids	Polyphenols
BF-1	39.12±0.01 ^b	50.30±0.50 ^f	7.67±0.66 ^g	63.8±0.01 ⁱ	4.73±0.01 ^l	152.23±0.16 ^{cd}
BF-2	38.75±0.01 ^b	58.50±1.39 ^d	7.28±3.49 ^g	54.8±0.01 ^g	7.13±0.01 ^d	160.78±0.67 ^{ab}
BF-3	34.05 ±0.03 ^d	61.15±1.00 ^e	8.93±1.31 ^{ef}	70.8±0.02 ^d	5.83±0.01 ^g	156.74±0.17 ^{bcd}
Se-BF-1	31.71±0.01 ^e	58.56±0.68 ^d	9.36±1.26 ^d	70.9±0.01 ^d	5.76±0.02 ^h	135.59±0.11 ^{fg}
Se-BF-2	35.03±0.05 ^d	62.26±0.90 ^e	10.25±3.43 ^b	51.9±0.05 ^k	6.62±0.01 ^e	124.35±0.27 ⁱ
Se-BF-3	38.65±0.06 ^b	66.10±1.29 ^b	9.14±2.05 ^{de}	73.0±0.03 ^b	5.73±0.01 ⁱ	133.31±0.15 ^{gh}
YL-1	40.06±0.02 ^b	70.84±0.59 ^a	8.83±2.23 ^{ef}	72.7±0.01 ^c	5.17±0.01 ^j	139.78±0.21 ^{fg}
YL-2	43.24±0.01 ^a	58.02±0.42 ^d	10.15±1.30 ^b	50.8±0.06 ^l	5.07±0.09 ^k	164.84±0.71 ^a
YL-3	35.65±0.1 ^{cd}	66.98±0.45 ^b	9.82±2.50 ^c	64.7±0.03 ^h	7.27±0.01 ^c	151.05±0.52 ^{cd}
Se-YL-1	24.06±0.01 ^f	67.54±0.69 ^b	9.41±2.08 ^d	72.6±0.01 ^c	7.85±0.01 ^a	135.59±0.11 ^{fg}
Se-YL-2	34.54±0.05 ^d	54.65±1.62 ^e	7.72±0.29 ^g	70.1±0.01 ^e	6.55±0.01 ^f	148.93±0.51 ^{de}
Se-YL-3	36.90±0.01 ^c	42.44±1.51 ^h	10.79±0.78 ^a	75.4±0.01 ^a	5.76±0.01 ^h	133.72±0.67 ^{gh}

Note: Different superscripts represent significant differences between different groups, $p < 0.05$.