

Tables S3. The contents of free amino acid components of E Se tea samples

	(mg/g)	
Free amino acid	EST	ESO
Aspartic (Asp)	0.76±0.03	0.17±0.02**
Serine (Ser)	2.86±0.11	0.79±0.01**
Glutamic (Glu)	0.18±0.01	0.05±0.00**
Glycine (Gly)	0.28±0.01	0.05±0.00**
Histidine (His)	0.15±0.01	N.D.**
Arginine (Arg)	0.91±0.03	0.10±0.00**
Threonine (Thr)	0.25±0.01	0.12±0.00**
Alanine (Ala)	2.28±0.15	1.12±0.06**
Proline (Pro)	0.73±0.02	0.39±0.02**
Theanine (Thea)	N.D.	N.D.
Cystine (Cys)	27.10±1.05	13.71±0.90**
Tyrosine (Tyr)	0.15±0.01	N.D.**
Valine (Val)	0.24±0.01	0.08±0.00**
Methionine (Met)	N.D.	N.D.
Lysine (Lys)	0.14±0.00	0.06±0.00**
Isoleucine (Iso)	0.16±0.01	0.05±0.00**
Leucine (Leu)	0.19±0.00	0.05±0.00**
Phenylalanine (Phe)	0.15±0.01	0.07±0.01**

Note: * indicates $p<0.05$. ** indicates $p<0.01$. EST and ESO represent the tender leaf or older leaf of E Se tea, respectively.