

**Table S1.** Soil Se and Cd contents of different parent materials and land use types in the study area.

Type		Se (mg/kg)	Cd (mg/kg)
Parent material*	qrc	0.43±0.13	0.31±0.11
	rls	0.40±0.13	0.38±0.13
	wacr	0.31±0.12	0.29±0.05
	war	0.53±0.19	0.31±0.12
	wcr	0.50±0.13	0.34±0.15
	wq	0.77±0.29	0.37±0.17
	wrs	0.49±0.07	0.27±0.15
Land use	dryland	0.55±0.25	0.31±0.12
	orchard	0.51±0.16	0.22±0.13
	paddy field	0.49±0.18	0.36±0.10
	forestland	0.48±0.14	0.31±0.19

\*Parent materials and land use types in the study area. Parent materials: qrc-quaternary red clays, rls-river and lake sediments, wacr-weathered acidic crystalline rocks, war-weathered argillaceous rocks, wcr-weathered carbonate rock, wq-weathered quartzite, wrs-weathered red sandstones.