

SUPPLEMENTARY TABLE S1. Participating provincial-level administrative divisions in the 6th China TDS.

North 1 (N1)	North 2 (N2)	South 1 (S1)	South 2 (S2)
Heilongjiang (HLJ)	Shaanxi (SX)	Shanghai (SH)	Hubei (HuB)
Hebei (HeB)	Henan (HeN)	Fujian (FJ)	Sichuan (SC)
Liaoning (LN)	Ningxia (NX)	Jiangxi (JX)	Guangxi (GX)
	Inner Mongolia (IM)	Jiangsu (JS)	Hunan (HuN)
Jilin (JL)	Qinghai (QH)	Zhejiang (ZJ)	Guangdong (GD)
Shanxi (ShX)	Gansu (GS)	Shandong (SD)	Guizhou (GZ)

SUPPLEMENTARY TABLE S2. MRM parameters of fumonisins in the 6th China TDS.

Mycotoxin	Precursor ion	Precursor ion (m/z)	Daughter ion (m/z)	Collision energy (eV)	Cone voltage (V)
FB1	[M+H] ⁺	722.3	704.2*	41	40
			334.3	55	40
FB2	[M+H] ⁺	707.2	689.3*	40	50
			337.4	52	50
FB3	[M+H] ⁺	707.2	337.3*	50	50
			355.3	46	50
13C-FB1	[M+H] ⁺	756.3	738.5*	56	50
			356.4	43	50
13C-FB2	[M+H] ⁺	740.4	358.4*	53	50
			722.4	42	50
13C-FB3	[M+H] ⁺	740.4	358.3*	53	75
			376.4	47	75

Note: For chromatographic separation, the sample was separated on an ACQUITY UPLC BEH T3 (100 mm×2.1 mm, 1.7 μm) column at 40 °C. A gradient elution was performed using water containing 0.2% formic acid (A) acetonitrile (B). The elution program was performed as follows: 0–2 min, 30%–60% B; 2–4 min, 60%–80% B; 4.1 min, 100% B; washing at 4.1–4.6 min, 100% B; 4.6–4.8 min, 100%–30% B; 4.8–7 min, pre-equilibration using 30% B. The flow rate was 0.3 mL/min, and a 5 μL sample was injected at 10 °C.

Abbreviations: MRM=multiple reaction monitoring; EDI=estimated dietary intake; TDS=total diet study; FB1=fumonisin B1; FB2=fumonisin B2; FB3=fumonisin B3.

* Quantification ion