

Supplementary Table S1 Information of each eco-geographical region of Songhua River Basin (SRB)

Region	Temperature regime	Dry-wet condition	Natural region
IA1	Cool Temperate Zone	Humid	Greater Khingan Mountains
IIA1	Mid-Temperature Zone	Humid	Sanjiang Plain
IIA2	Mid-Temperature Zone	Humid	East Upland Area of Northeast China
IIA3	Mid-Temperature Zone	Humid	Front Mountain Plain of Eastern Northeast China
IIB1	Mid-Temperature Zone	Semi-Humid	Central Songliao Plain
IIB2	Mid-Temperature Zone	Semi-Humid	Southern Greater Khingan Mountains
IIB3	Mid-Temperature Zone	Semi-Humid	Plain and Hills Sanhe Piedmont
IIC1	Mid-Temperature Zone	Semi-arid	Southwestern Songliao Plain
IIC2	Mid-Temperature Zone	Semi-arid	Northern Greater Khingan Mountains
IIC3	Mid-Temperature Zone	Semi-arid	Eastern Inner Mongolia Plateau