



Figure 1. Annual carbon dynamic for each ecological zone of Moso bamboo (*Phyllostachy edulis*) forests. All units are Mg C ha⁻¹ for aboveground carbon (AGC), belowground carbon (BGC), and soil carbon (SC) storages, and are Mg C ha⁻¹ year⁻¹ for aboveground net primary production (ANPP), belowground net primary production (BNPP), heterotopic respiration (R_H), and net ecosystem productivity (NEP). The data sources are described in Supplementary Dataset 1. **a**, Subtropical humid forest. **b**, Subtropical mountain systems. **c**, Temperate oceanic forest. **d**, Temperate continental forest. The figure area of each organ is adjusted and scaled according to the real biomass ratio of each climate zone, and the width of arrows is adjusted in proportion to the actual carbon sinks and sources. This figure was designed and obtained by Masako Dannoura and Shitephen Wang using Adobe Photoshop, Adobe Illustrator, and Microsoft Power Point.