**Table S3 Value comparison of ecosystem services between Costanza (1997) and this study. (CNYha1yr1 ).**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Ecosystem service | Cropland | Forestland | Grassland | Water body | Building land | Unutilized land |
| After revision | Costanza et al. | After revision | Costanza et al. | After revision | Costanza et al. | After revision | Costanza et al. | After revision | Costanza et al. | After revision | Costanza et al. |
| Gas regulation | 4567.01 | *\** | 1043.89 | *\** | 652.43 | 49.7*\** | 0 | 944.3*\** | 0 | *\** | 0 | *\** |
| Climate regulation | 3523.12 | *\** | 1174.37 | 1001.1*\** | 1161.33 | *\** | 600.24 | *\** | 0 | *\** | 0 | *\** |
| Water conservation | 4175.55 | *\** | 1043.89 | 14.2*\** | 782.92 | *\** | 26593.05 | 32226.9*\** | 0 | *\** | 39.15 | *\** |
| Waste treatment | 1709.37 | *\** | 1709.37 | 617.7*\** | 2139.97 | 617.7*\** | 23722.36 | 29656.7*\** | -9799.5 | *\** | 13.05 | *\** |
| Soil formation and protection | 5088.95 | *\** | 2544.48 | 71*\** | 1905.1 | 7.1*\** | 13.05 | *\** | -3209.96 | *\** | 26.1 | *\** |
| Biodiversity conservation | 4253.84 | 170.4*\** | 1422.29 | 14.2*\** | 926.45 | 163.3*\** | 3249.1 | *\** | 0 | *\** | 443.65 | *\** |
| Food production | 130.49 | 383.4*\** | 391.46 | 305.2*\** | 1304.86 | 475.7*\** | 130.49 | 1881.5*\** | 0 | *\** | 13.05 | *\** |
| Raw material | 3392.64 | *\** | 65.24 | 979.8*\** | 130.49 | *\** | 13.05 | 752.6*\** | 0 | *\** | 0 | *\** |
| Recreational culture | 1670.22 | *\** | 52.19 | 482.8*\** | 13.049 | 14.2*\** | 5663.09 | 10330.5*\** | 0 | *\** | 13.05 | *\** |

*Note: \* representative to make changes*