**Supplemental Table 4: Warp density score (WDS) of shape over principal components (PC1, PC2) for shape-based variations**

|  |  |  |  |
| --- | --- | --- | --- |
| Sl.No | Location | WDS-PC1 | WDS-PC2 |
| 1 | Son | 18.00 | 3.63 |
| 2 | Tons | -2.00 | -25.25 |
| 3 | Ken | -5.32 | -3.03 |
| 4 | Brahmaputra | 21.40 | 20.20 |
| 5 | Ganga | -50.50 | -3.18 |
| 6 | Gomti | 9.08 | 6.56 |
| 7 | Gandak | 2.32 | -33.67 |