



Figure S6. Multidimensional scaling (MDS) plots of the fecal microbiota in different animals:

I Deer (A- *Rangifer tarandus* of the Spitsbergen population; B- *Rangifer tarandus* of Tofalar population)

II Yak (A - *Bos grunniens* of the Qinghai-Tibetan Plateau population; *Bos grunniens* of the Okinsky population)

III Sheep (A - *Ovis aries* of the Buryat sheep population; (B - *Ovis aries* of the Hebei Province population)

IV Camel (A - *Camelus bactrianus* of the Altai population; B - *Camelus bactrianus* of the Transbaikal population)