



Legend. Color codes for regions in Tuva:

- |              |                  |                |
|--------------|------------------|----------------|
| ● Bai-Taiga  | ● Barun-Khemchik | ● Chaa-Khol    |
| ● Chedi-Khol | ● Dzun-Khemchik  | ● Erzin        |
| ● Kaa-Khem   | ● Kyzyl          | ● Mongun-Taiga |
| ● Ovyur      | ● Pii-Khem       | ● Sut-Khol     |
| ● Tandy      | ● Tere-Khol      | ● Tes-Khem     |
| ● Todzha     | ● Ulug-Khem      |                |

**Supplementary Figure S1.** The locations of the Tuvan clans from which genetic samples were collected.