## S2. The results from analyzing the Yayoi crania without the Jomon crania.





|  | PC1 | PC2 | PC3 | PC4 | PC5 | PC6 | PC7 | PC8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Contribution rates | $12.02 \%$ | $10.38 \%$ | $8.96 \%$ | $8.31 \%$ | $6.75 \%$ | $4.80 \%$ | $4.15 \%$ | $3.45 \%$ |
| Cumulative <br> contribution rates | $12.02 \%$ | $22.40 \%$ | $31.36 \%$ | $39.67 \%$ | $46.41 \%$ | $51.22 \%$ | $55.37 \%$ | $58.82 \%$ |
|  | PC9 | PC10 | PC11 | PC12 | PC13 | PC14 | PC15 |  |
| Contribution rates | $3.18 \%$ | $3.01 \%$ | $2.53 \%$ | $2.47 \%$ | $2.32 \%$ | $2.12 \%$ | $1.96 \%$ |  |
| Cumulative <br> contribution rates | $62.00 \%$ | $65.01 \%$ | $67.54 \%$ | $70.01 \%$ | $72.33 \%$ | $74.46 \%$ | $76.41 \%$ |  |

The PC1 mainly captures the anterior-posterior length and the position of the teeth, which is similar to the PC2 in the main analysis including the Jomon and Yayoi crania. The PC2 refers to the facial height and the temporal and posterior length.

