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### **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Statistics of the whole genome resequencing data for the falcons.

File Name: Supplementary Data 2

Description: Genes in the adaptively introgressed regions.

File Name: Supplementary Data 3

Description: Positively selected genes in the QTP sakers identified by XP-EHH method.

File Name: Supplementary Data 4

Description: Genes in the focal selective sweep of Chr 4.