



0.1

**Additional file 11 – Individual neighbor-joining dendrogram based on *DAS* distance among 175 samples**

**representing local chickens from Morocco (n=46) and 5 commercial lines (n=129). red: Morocco; orange:**

**BS-D; dark green: BS-C; dark blue: Bel-C; light green: Wel-A; light blue: BD-B; black star indicates**

**individuals with  $q_i > 0.2$ , for clusters specific to commercial lines (STRUCTURE analysis for K=6).**