

**Figure S1. Field sites, located in the Upper Rhine Valley, Germany. Related to Figures 1-4.** Black markers indicate the two weather stations (Freiburg and Mannheim, 173 km apart) whose data were averaged. Red marker (Lahr) shows field site of the captive flycatchers, 34 km from Freiburg. Blue marker (Harthausen) shows the wild population, 113 km from Lahr and 27 km from Mannheim. Inset: black rectangle shows the location within Central Europe; map sourced from Google Maps.