



Figure A4. Relationship of *Zugunruhe* metrics during a bird's first year with those of later years, stratified by population. The figure shows the value of a given *Zugunruhe* metric in year 1 of a bird's life (x-axis) and the mean of all subsequent values of this metric in later years of its life (y-axis). Top panel: autumn, bottom panel: spring. Colour coding indicates the different populations. The dotted line is the identity line. Spring onset and mean date show the strongest relationship, but one that is driven entirely by inter-population differences (see Figure A5). However, sample sizes are small and some populations are not represented because many birds were not tested for successive years, or did not engage in *Zugunruhe* in one or more years.