

## Main roar acoustics across European subspecies of red deer



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 1998; 3. Reby and McComb 2003; 4. Kidjo et al. 2008; 5. Frey et al. 2012; 6. Passilongo et al. 2013; 7. Bocci et al. 2013; 8. Volodin et al. 2015; 7. Bocci et al. 2013; 8. Volodin et al. 2015; 9. Della Libera et al. 2015; 10. This study

## CONCLUSION

Rutting roars of the Pannonian red deer are distinctive from those of other European subspecies by their fundamental frequency and duration. Bout structure is different from the Iberian red deer (in which such data are available) by number of calls per bout and by ratio of harsh/common roars.

