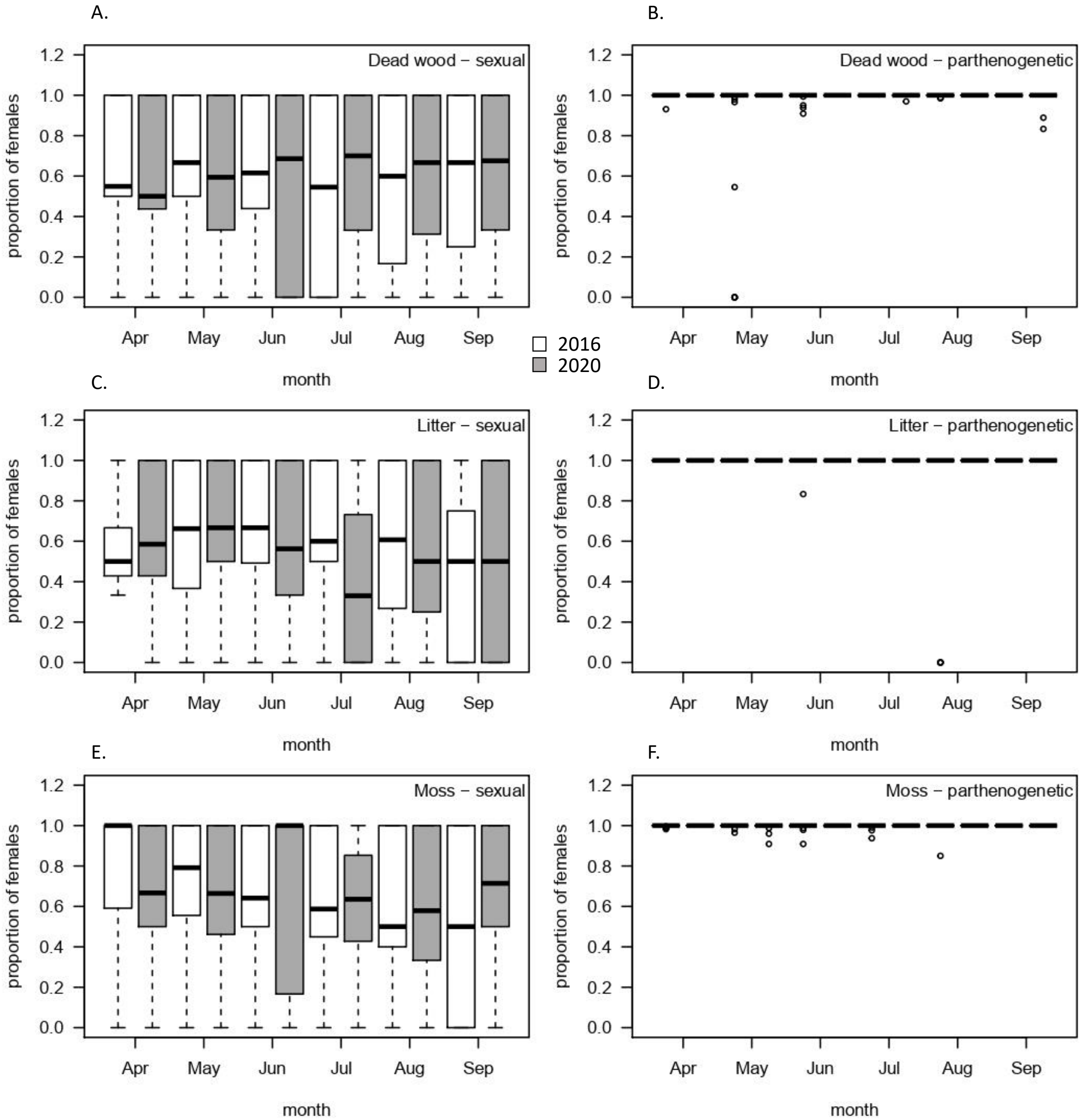


Appendix 8 Sex ratio of sexual and parthenogenetic oribatid mite communities in dead wood, litter and moss compared between 2016 and 2020.



Appendix 8 continued Statistical values comparing sex ratios (A) in total, (B) in dead wood, (C) litter and (D) moss between the years 2016 and 2020.

A Total - LMM with type III Anova, species as random factor

| | df | Chi² | p |
|-------------------------|-----------|------------------------|------------|
| year | 1 | 0.015 | 0.902 |
| mode of reproduction | 1 | 29.792 | <0.001 *** |
| month | 5 | 1.350 | 0.930 |
| year*reproduction | 1 | 1.300 | 0.254 |
| year*month | 5 | 0.348 | 0.997 |
| reproduction*month | 5 | 17.698 | 0.003 ** |
| year*reproduction*month | 5 | 3.419 | 0.636 |
| intercept | 1 | 694.950 | <0.001 *** |

B Dead wood - LMM with type III Anova, species as random factor

| | df | Chi² | p |
|-------------------------|-----------|------------------------|------------|
| year | 1 | 0.001 | 0.979 |
| mode of reproduction | 1 | 21.987 | <0.001 *** |
| month | 5 | 0.175 | 0.999 |
| year*reproduction | 1 | 0.118 | 0.731 |
| year*month | 5 | 0.124 | 0.999 |
| reproduction*month | 5 | 2.988 | 0.702 |
| year*reproduction*month | 5 | 1.734 | 0.885 |
| intercept | 1 | 312.252 | <0.001 *** |

C Litter - LMM with type III Anova, species as random factor

| | df | Chi² | p |
|-------------------------|-----------|------------------------|------------|
| year | 1 | 0.009 | 0.925 |
| mode of reproduction | 1 | 10.586 | 0.001 ** |
| month | 5 | 3.146 | 0.677 |
| year*reproduction | 1 | 0.023 | 0.878 |
| year*month | 5 | 0.899 | 0.970 |
| reproduction*month | 5 | 8.623 | 0.125 |
| year*reproduction*month | 5 | 6.761 | 0.239 |
| intercept | 1 | 139934.000 | <0.001 *** |

D Moss - LMM with type III Anova, species as random factor

| | df | Chi² | p |
|-------------------------|-----------|------------------------|------------|
| year | 1 | 0.001 | 0.971 |
| mode of reproduction | 1 | 10.671 | 0.001 ** |
| month | 5 | 0.010 | 0.999 |
| year*reproduction | 1 | 0.914 | 0.339 |
| year*month | 5 | 0.015 | 0.999 |
| reproduction*month | 5 | 19.183 | 0.002 ** |
| year*reproduction*month | 5 | 2.501 | 0.776 |
| intercept | 1 | 390.937 | <0.001 *** |

This appendix is published open access under the CC BY license.
(<http://creativecommons.org/licenses/by/4.0/>)