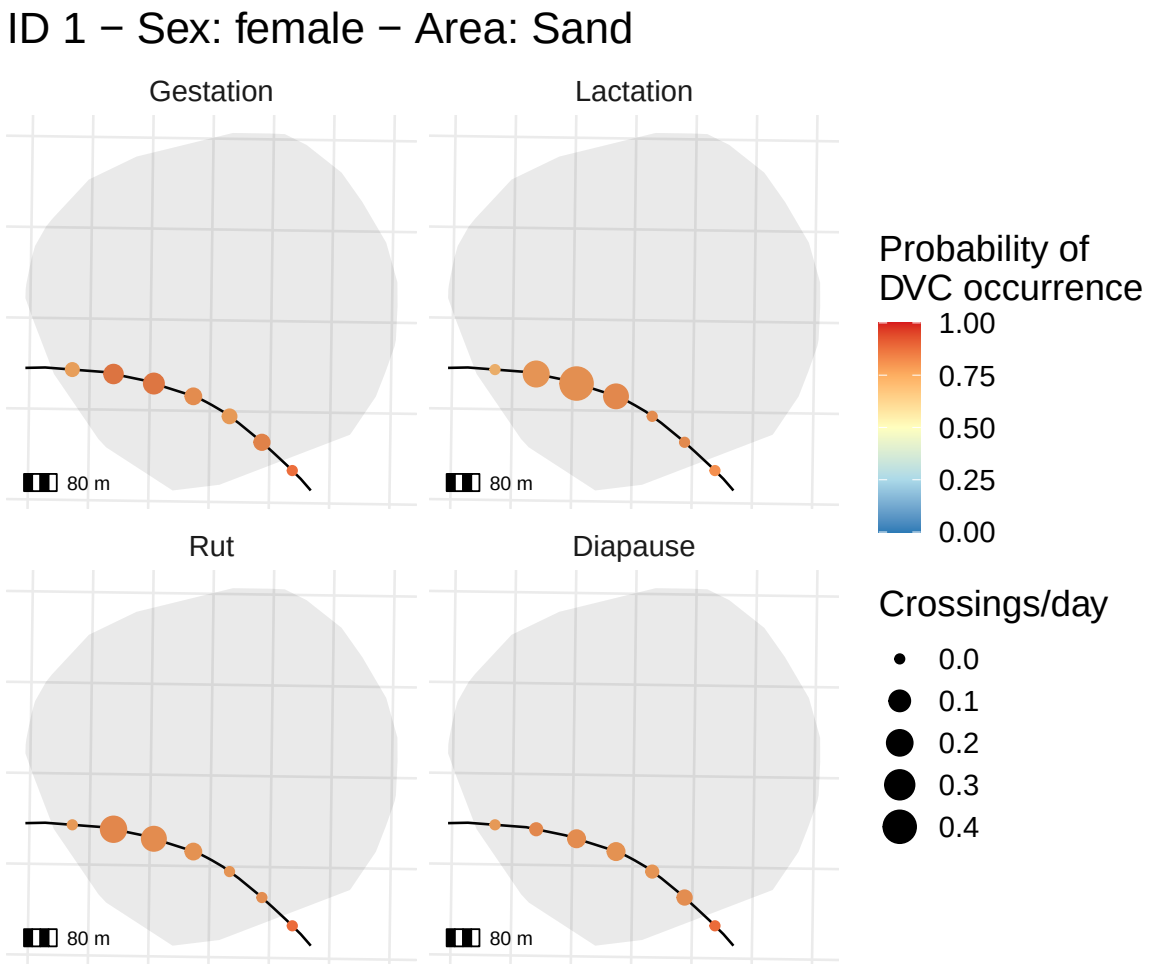
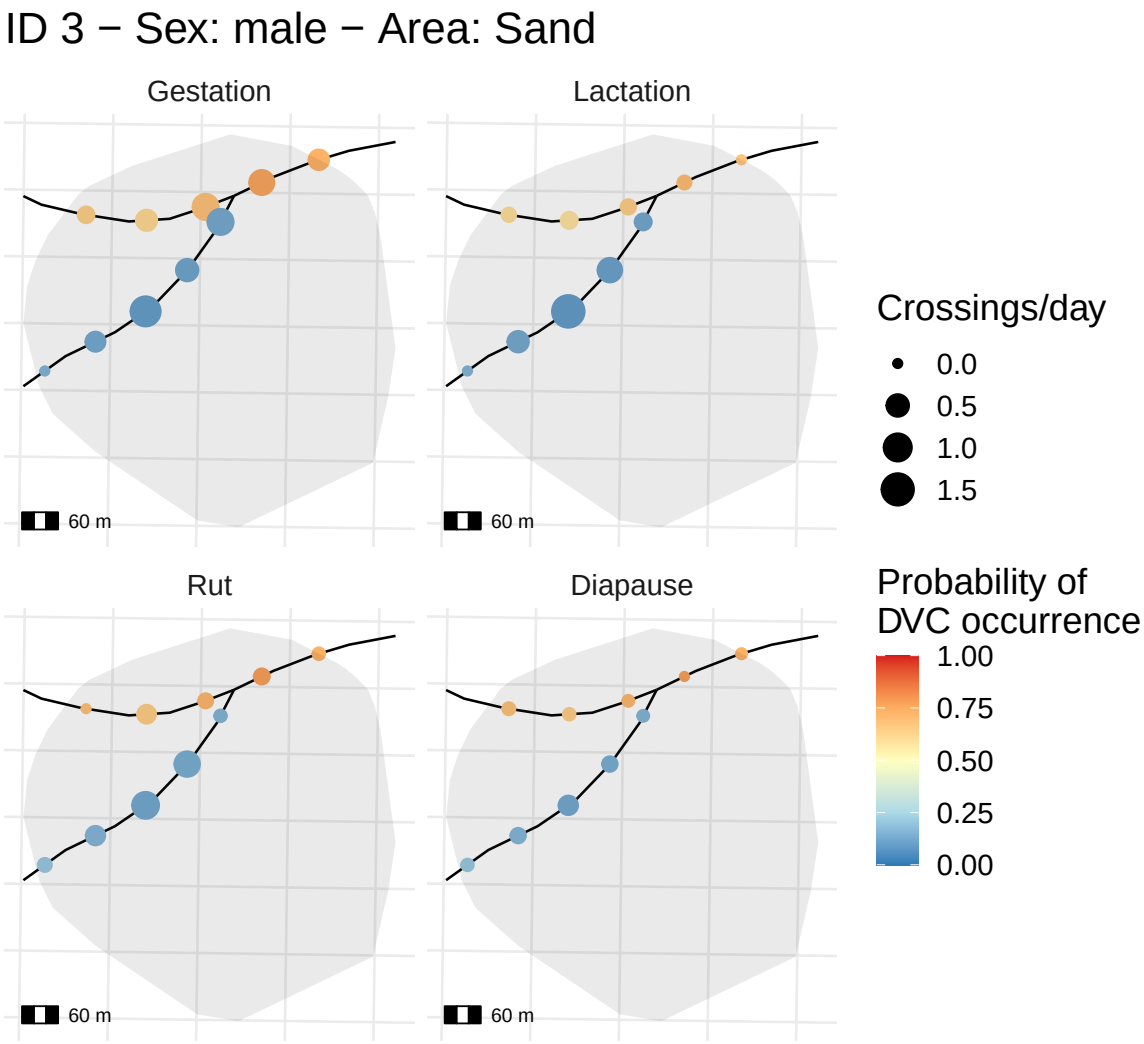
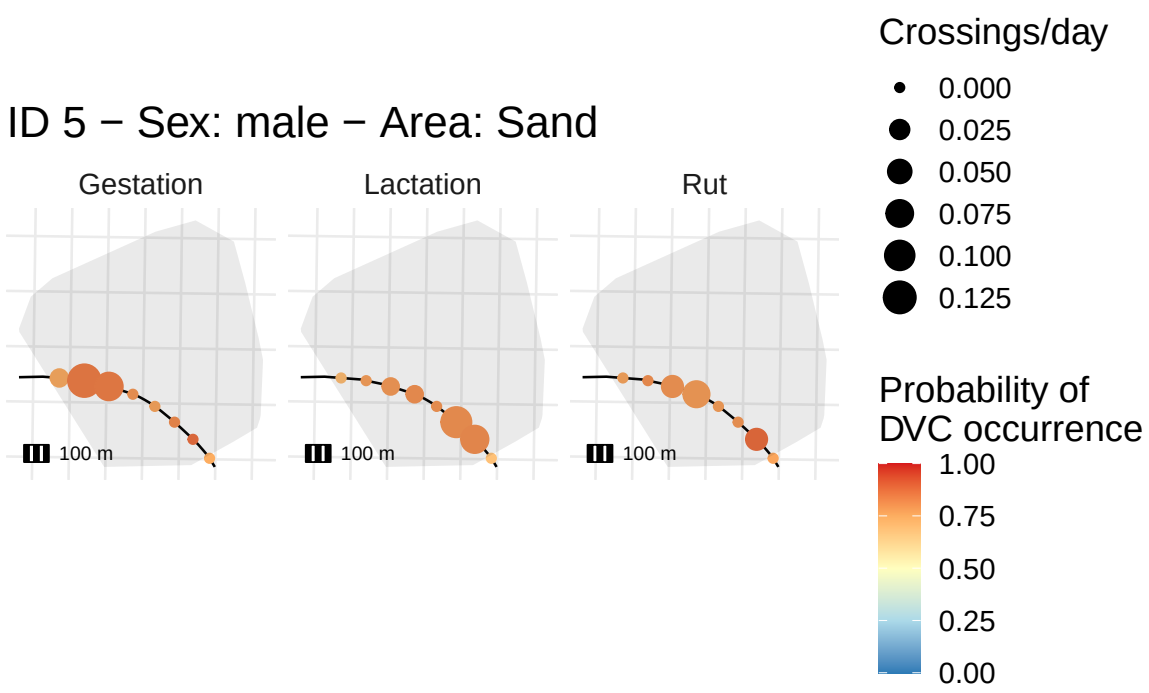
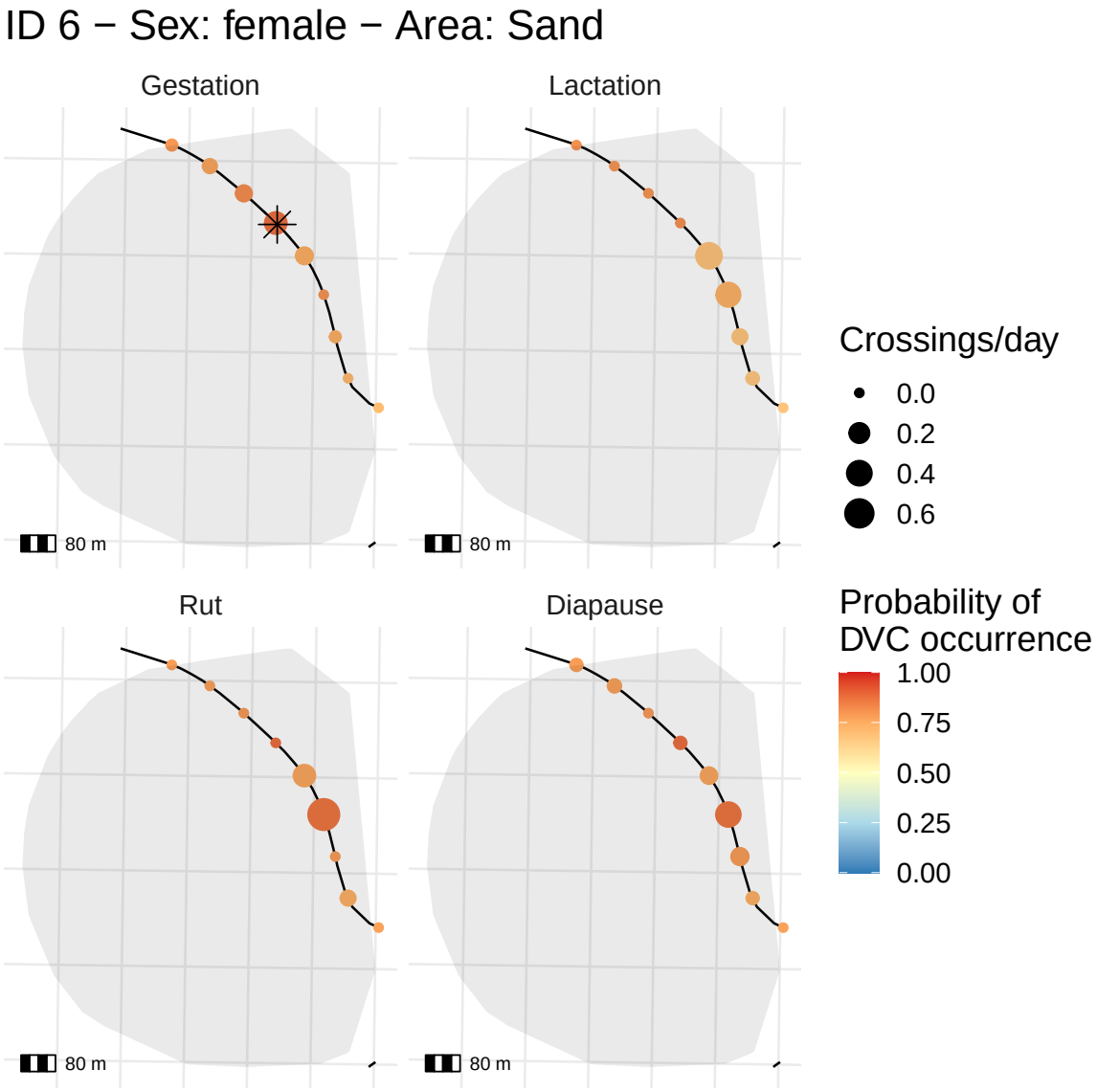
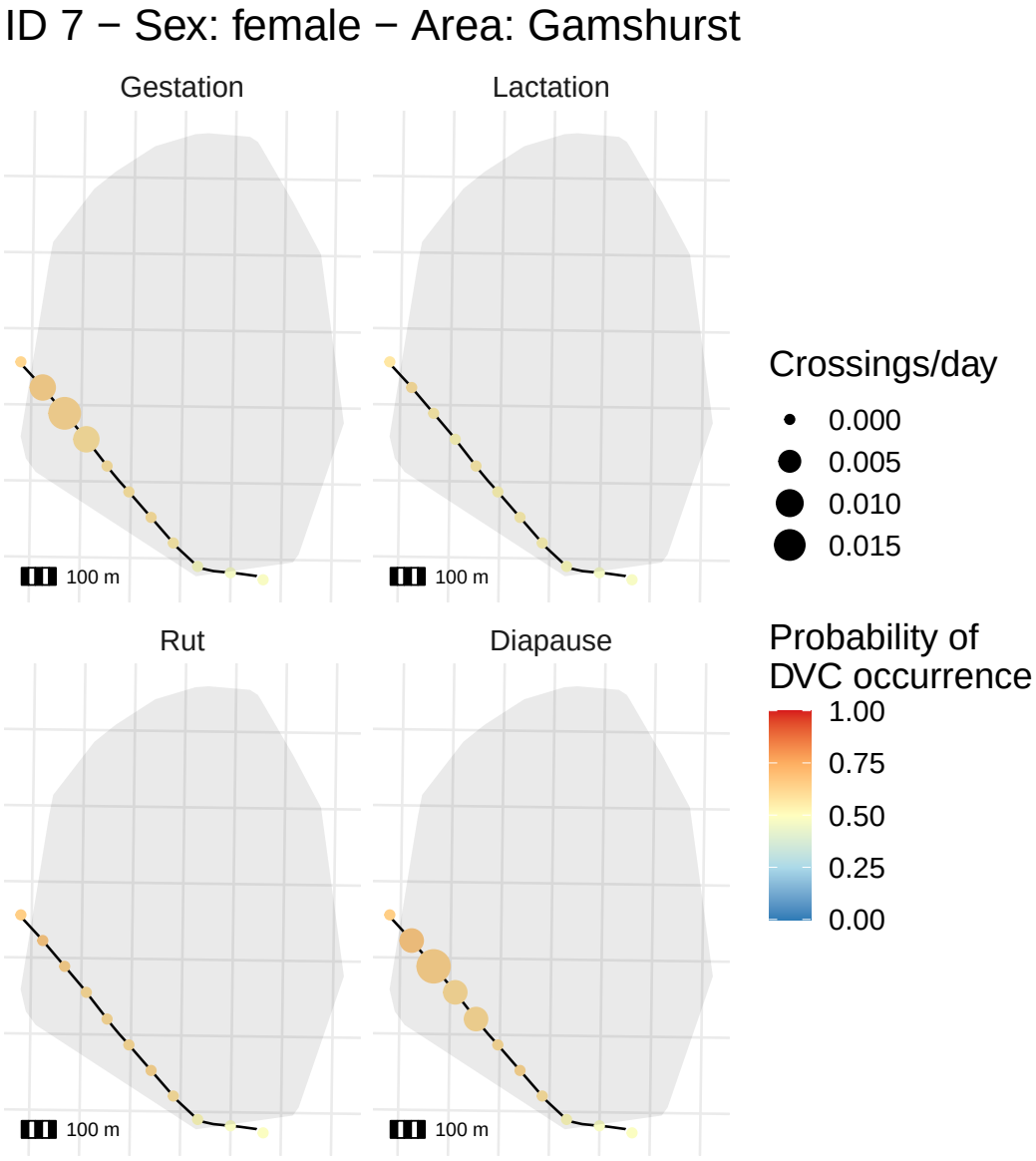
B.3 Graphic representation of road crossings per individual

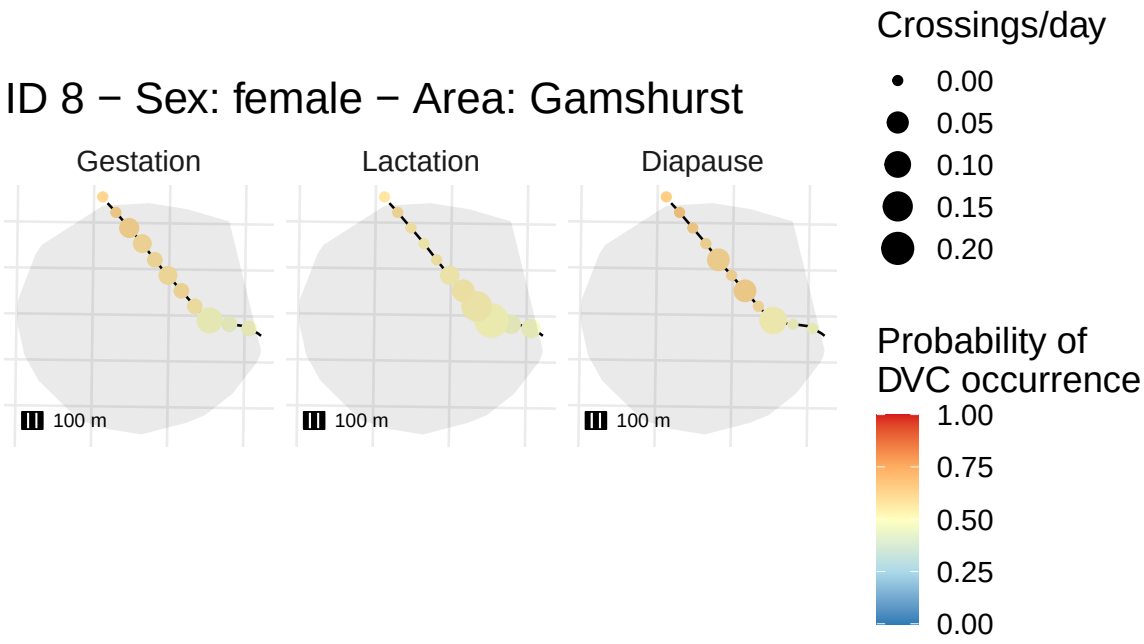


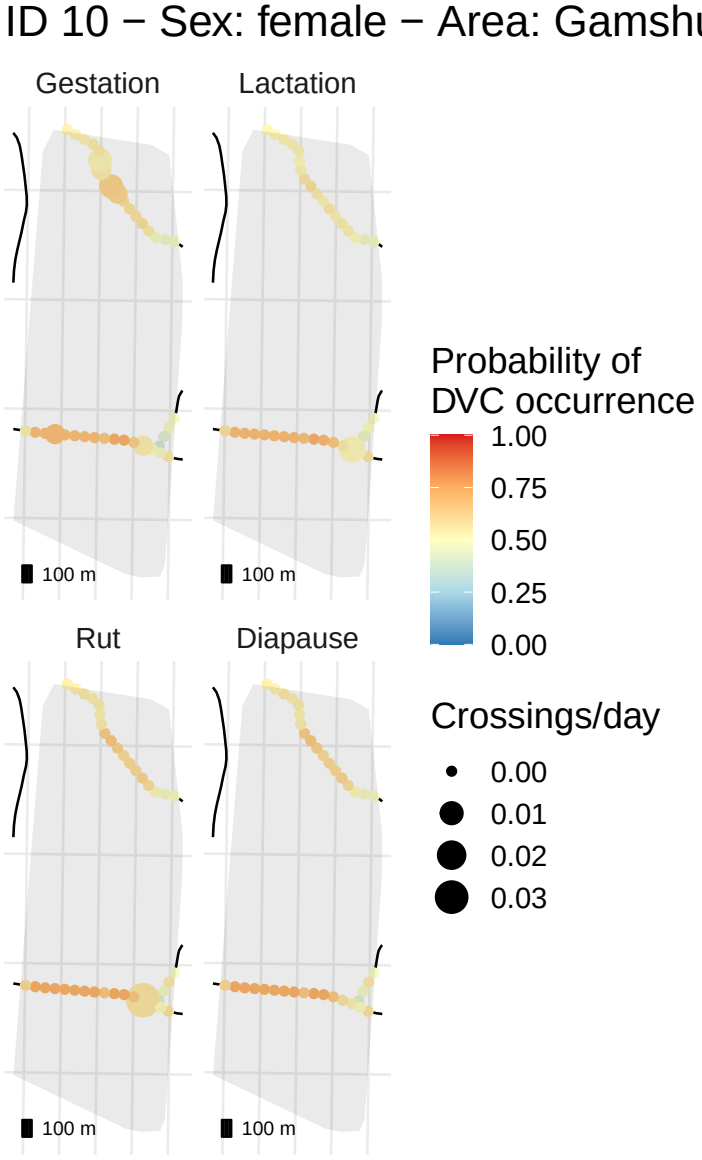

ID 3 − Sex: male − Area: Sand
Gestation
Lactation
Rut
Diapause
60 m
60 m
60 m
60 m
Crossings/day
0.0
0.5
1.0
1.5
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

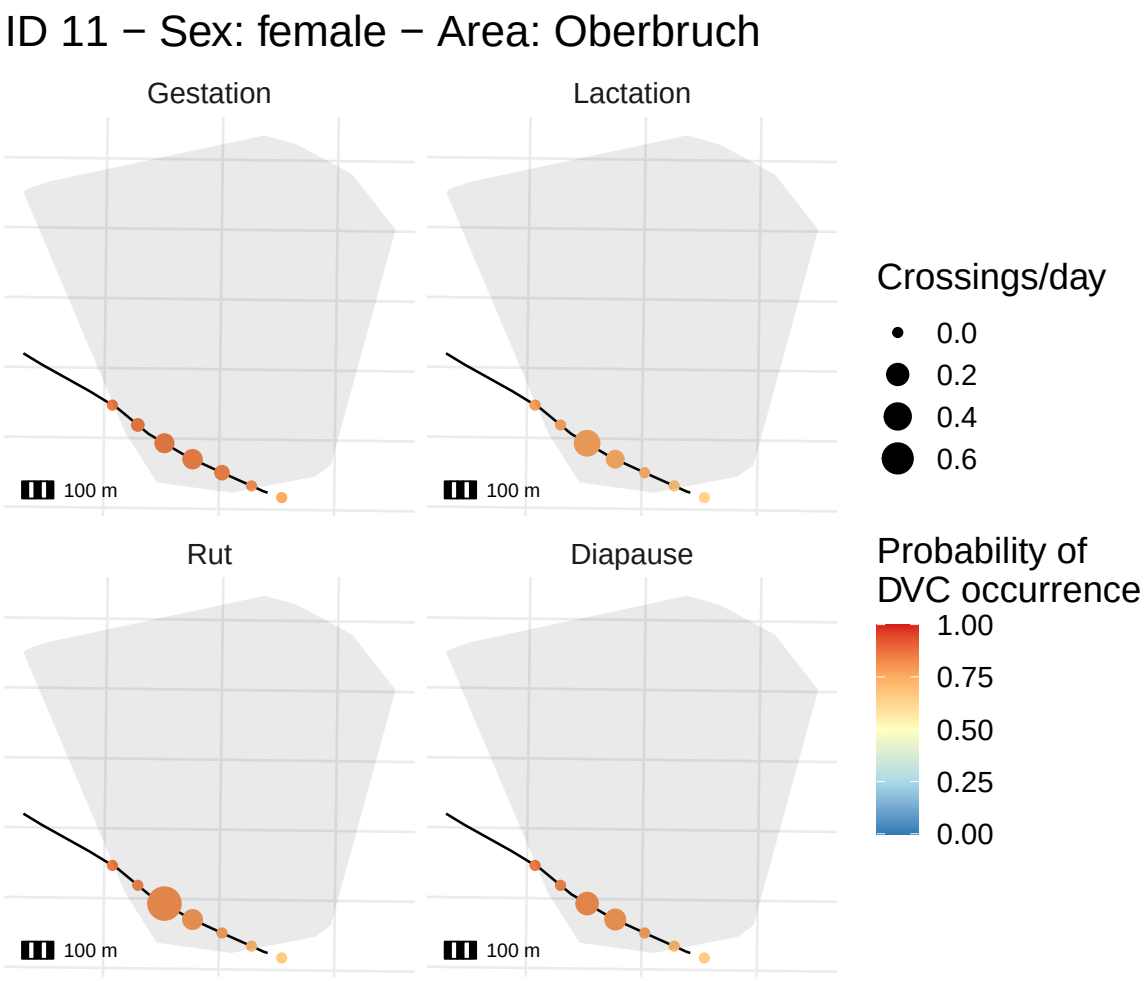

ID 5 − Sex: male − Area: Sand
Gestation
Lactation
Rut
100 m
100 m
100 m
Crossings/day
0.000
0.025
0.050
0.075
0.100
0.125
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

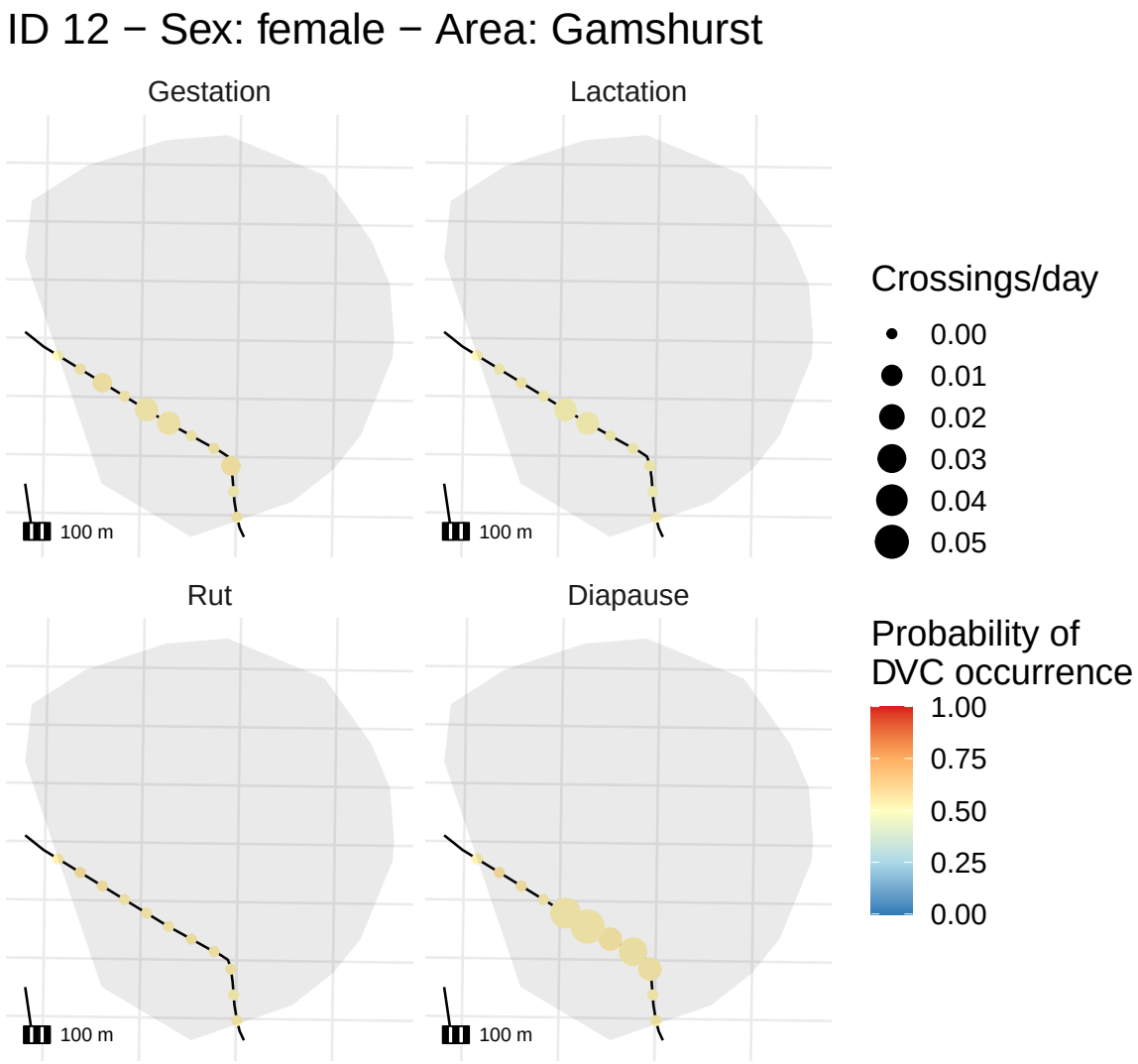

ID 6 − Sex: female − Area: Sand
Gestation
Lactation
Rut
Diapause
80 m
80 m
80 m
80 m
Crossings/day
0.0
0.2
0.4
0.6
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

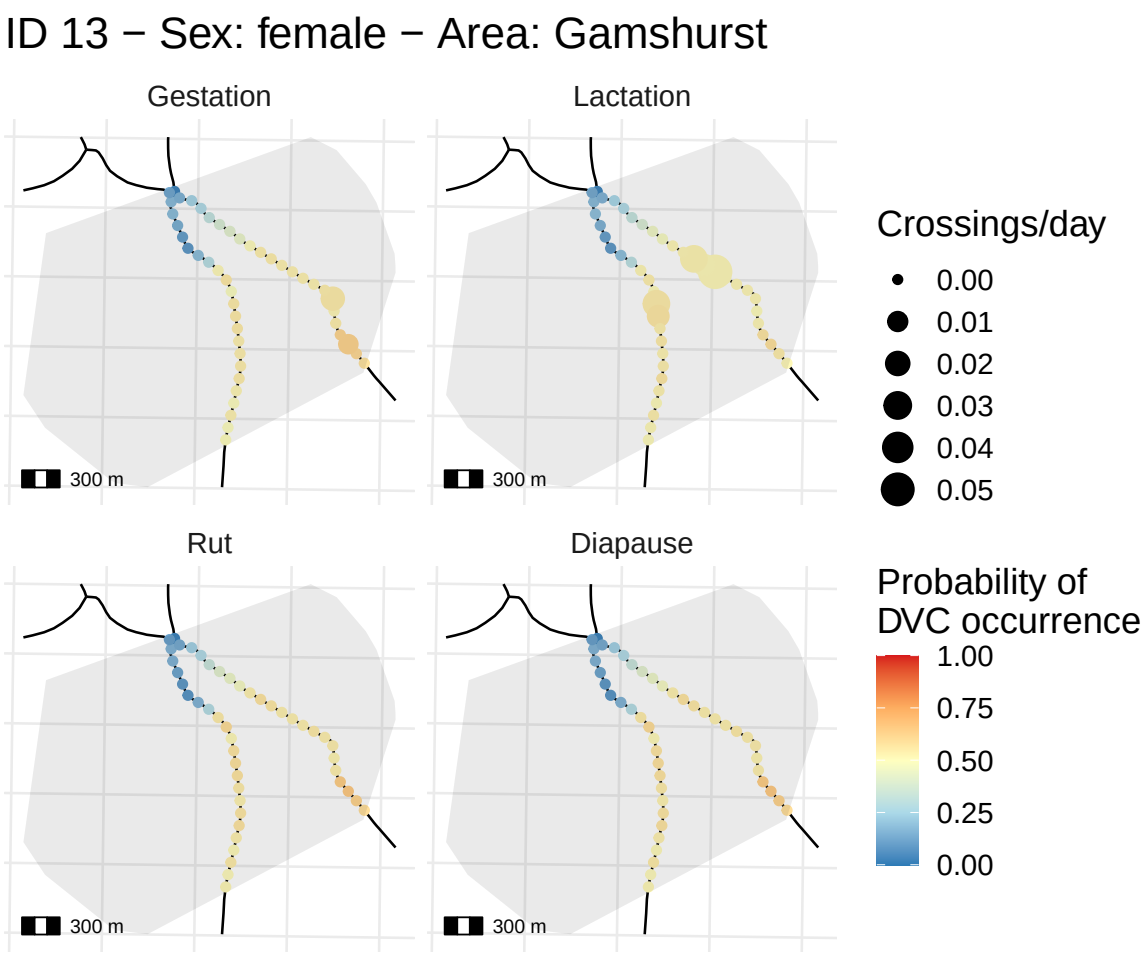

ID 7 − Sex: female − Area: Gamshurst
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Crossings/day
0.000
0.005
0.010
0.015
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

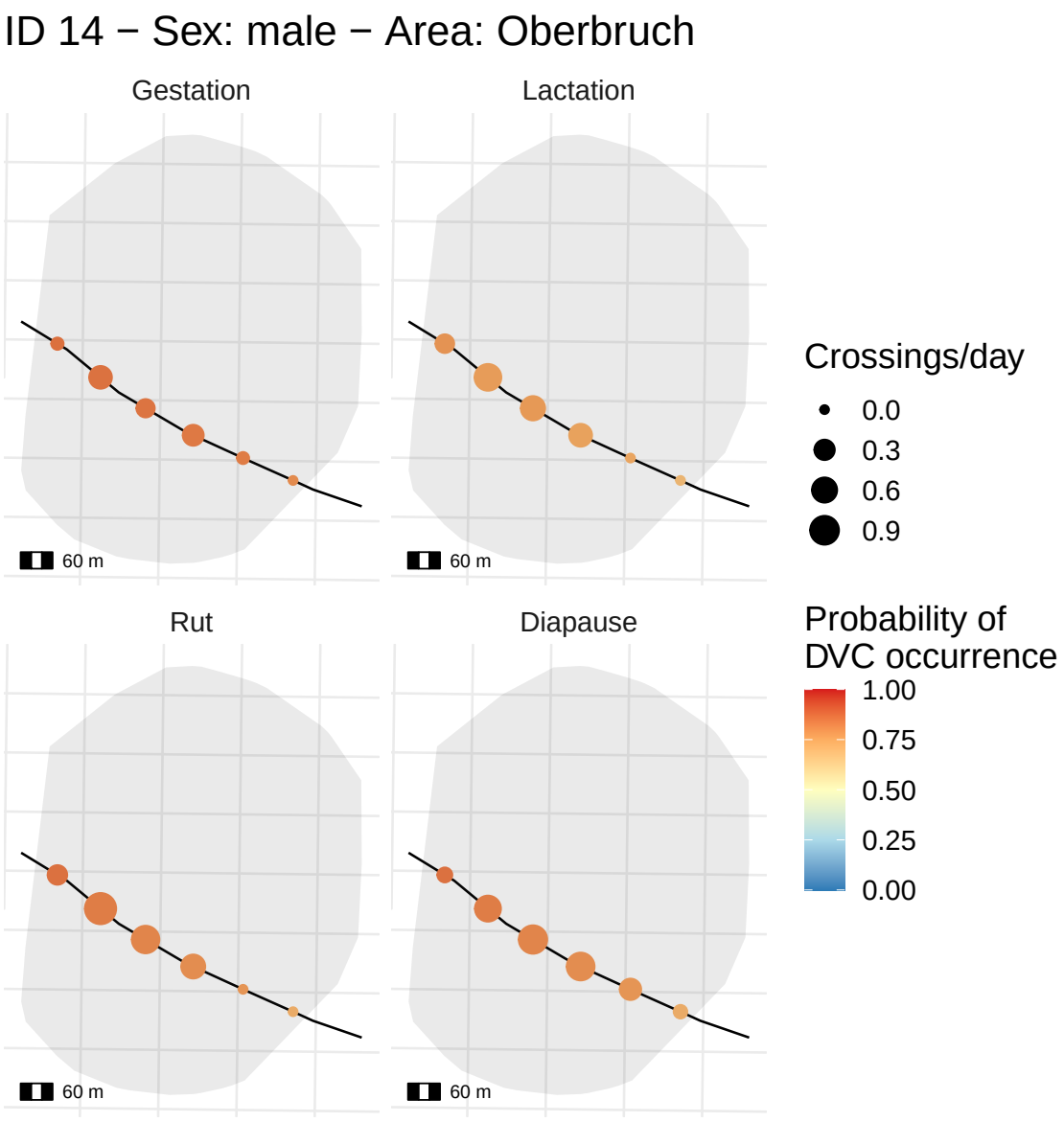

ID 8 − Sex: female − Area: Gamshurst
Gestation
Lactation
Diapause
100 m
100 m
100 m
Crossings/day
0.00
0.05
0.10
0.15
0.20
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

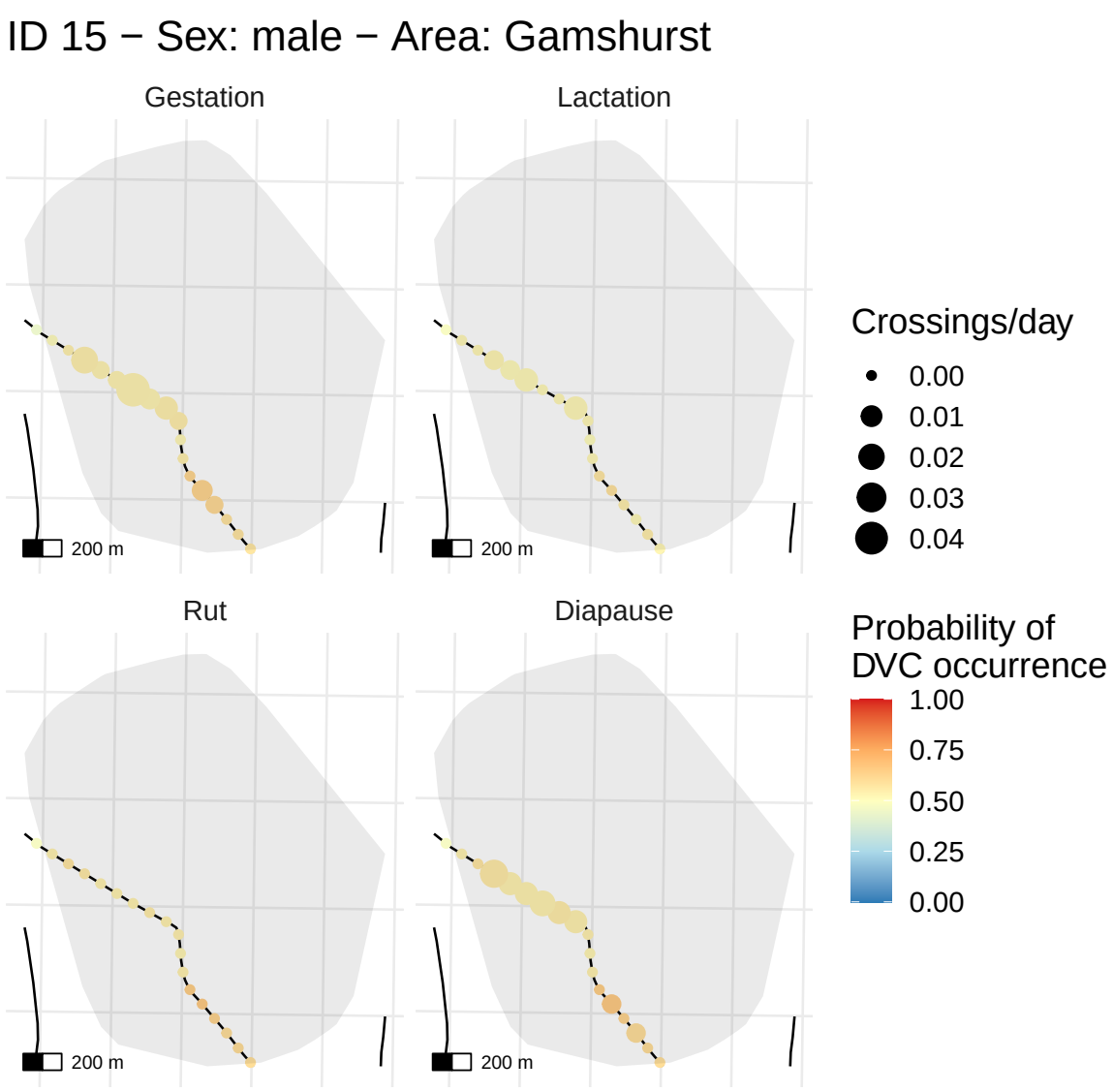

ID 10 − Sex: female − Area: Gamshurst
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.00
0.01
0.02
0.03

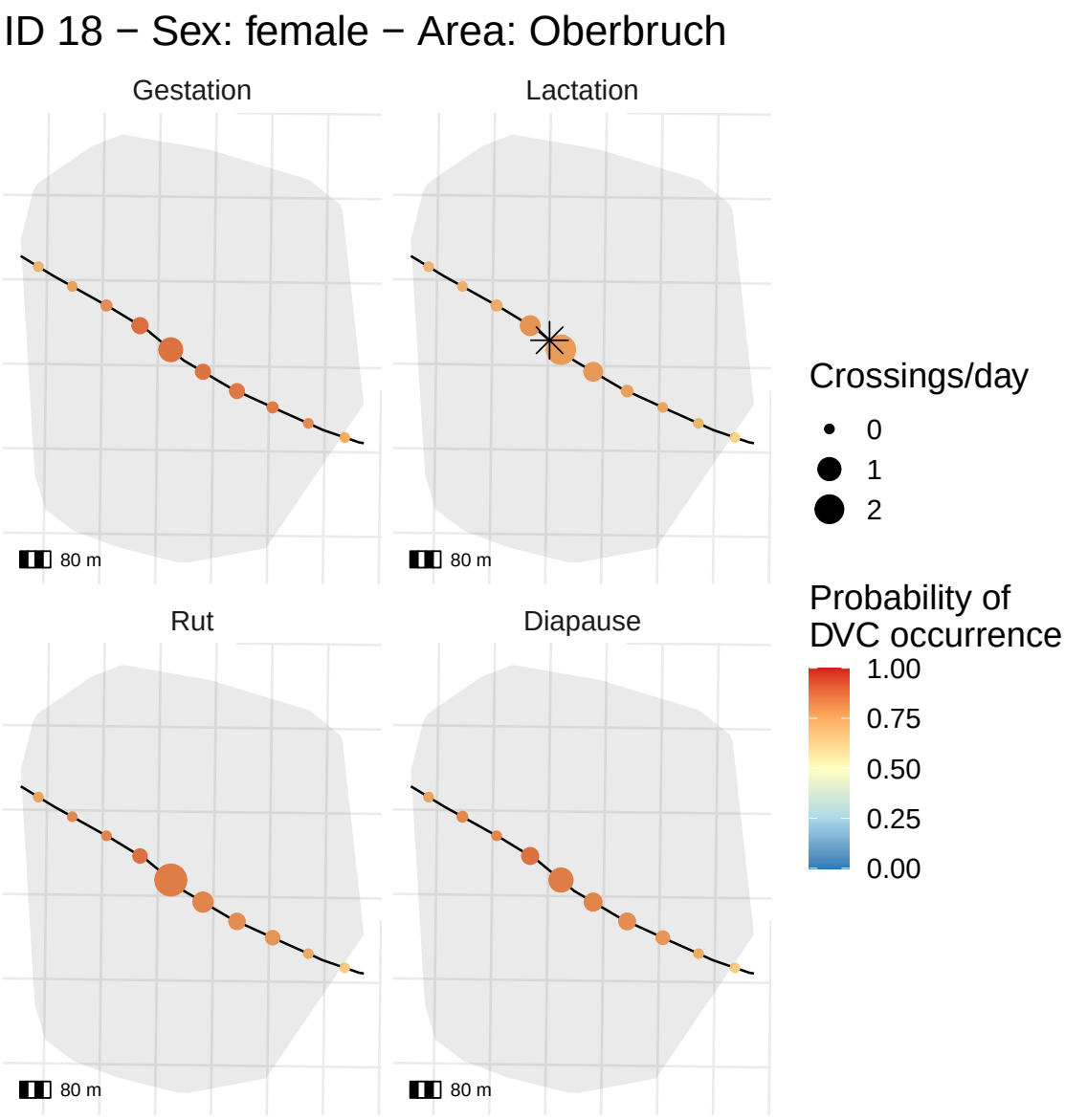

ID 11 − Sex: female − Area: Oberbruch
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Crossings/day
0.0
0.2
0.4
0.6
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

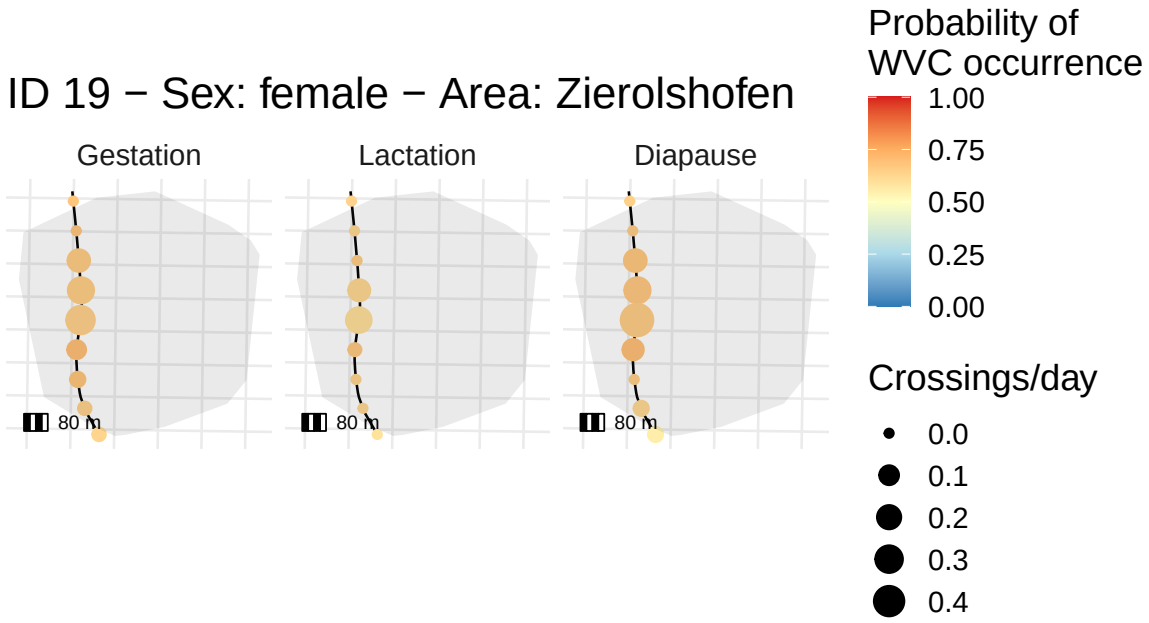

ID 12 − Sex: female − Area: Gamshurst
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Crossings/day
0.00
0.01
0.02
0.03
0.04
0.05
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

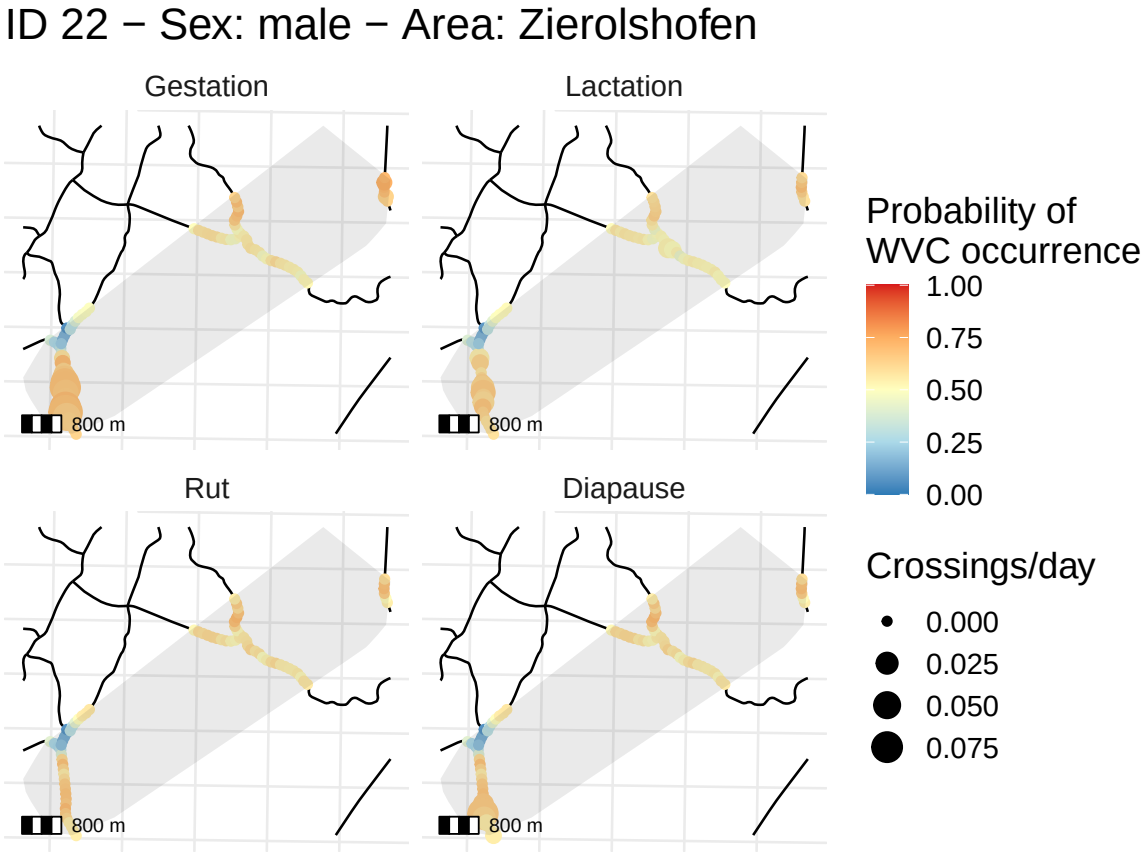

ID 13 − Sex: female − Area: Gamshurst
Gestation
Lactation
Rut
Diapause
300 m
300 m
300 m
300 m
Crossings/day
0.00
0.01
0.02
0.03
0.04
0.05
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

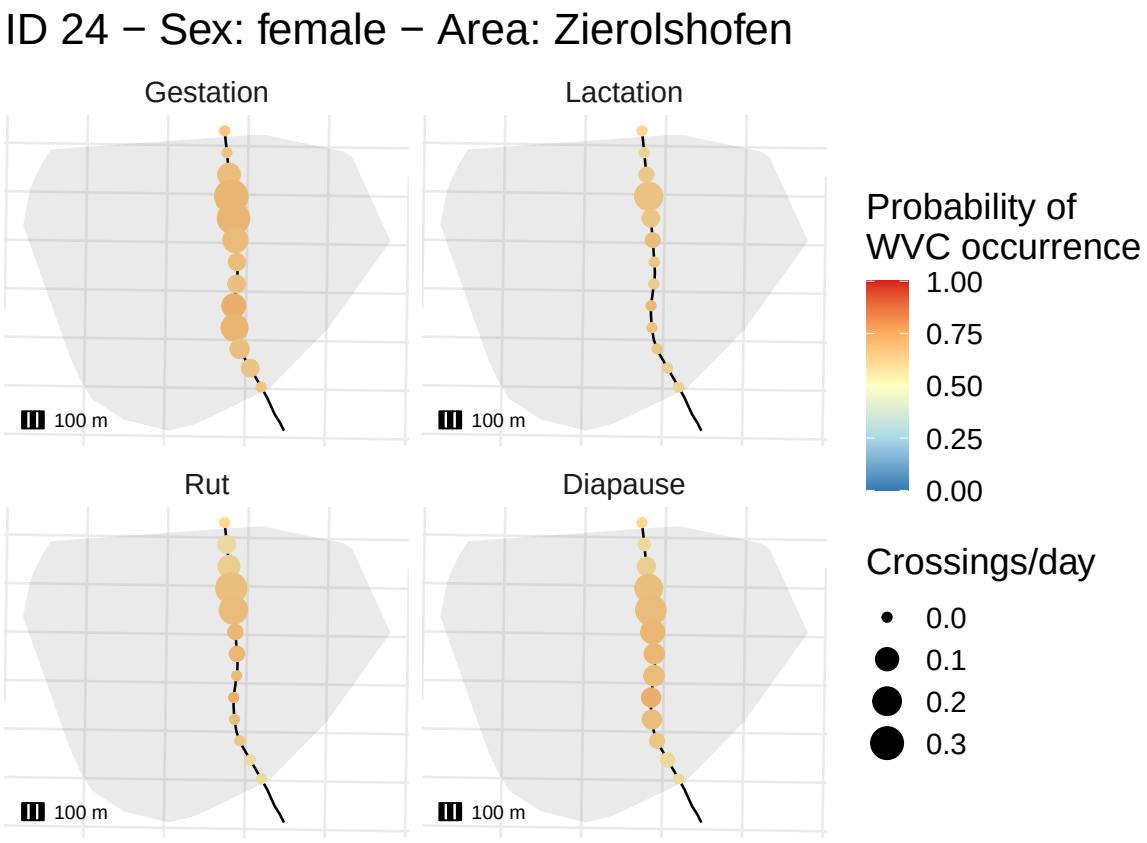

ID 14 − Sex: male − Area: Oberbruch
Gestation
Lactation
Rut
Diapause
60 m
60 m
60 m
60 m
Crossings/day
0.0
0.3
0.6
0.9
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

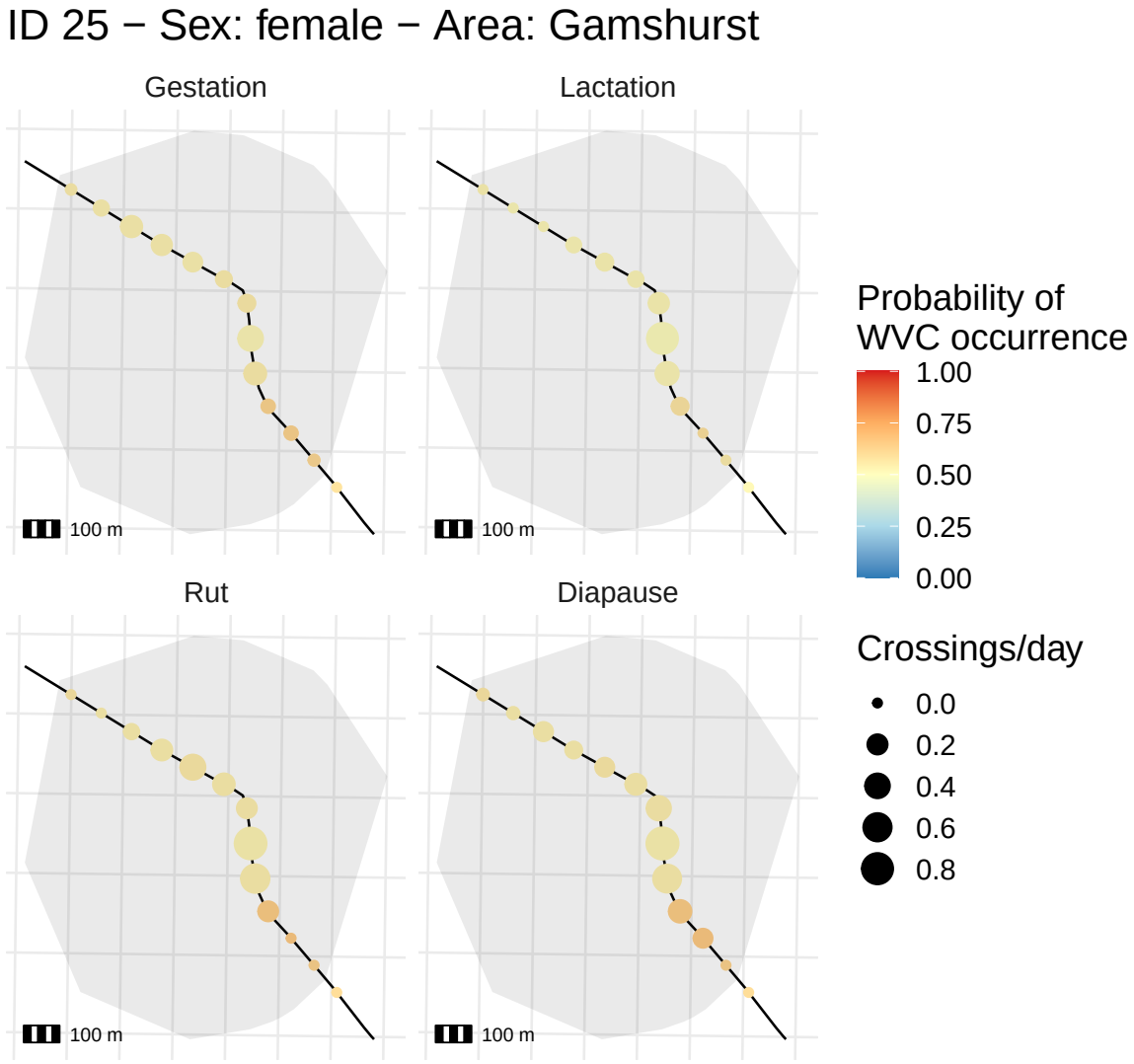

ID 15 − Sex: male − Area: Gamshurst
Gestation
Lactation
Rut
Diapause
200 m
200 m
200 m
200 m
Crossings/day
0.00
0.01
0.02
0.03
0.04
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

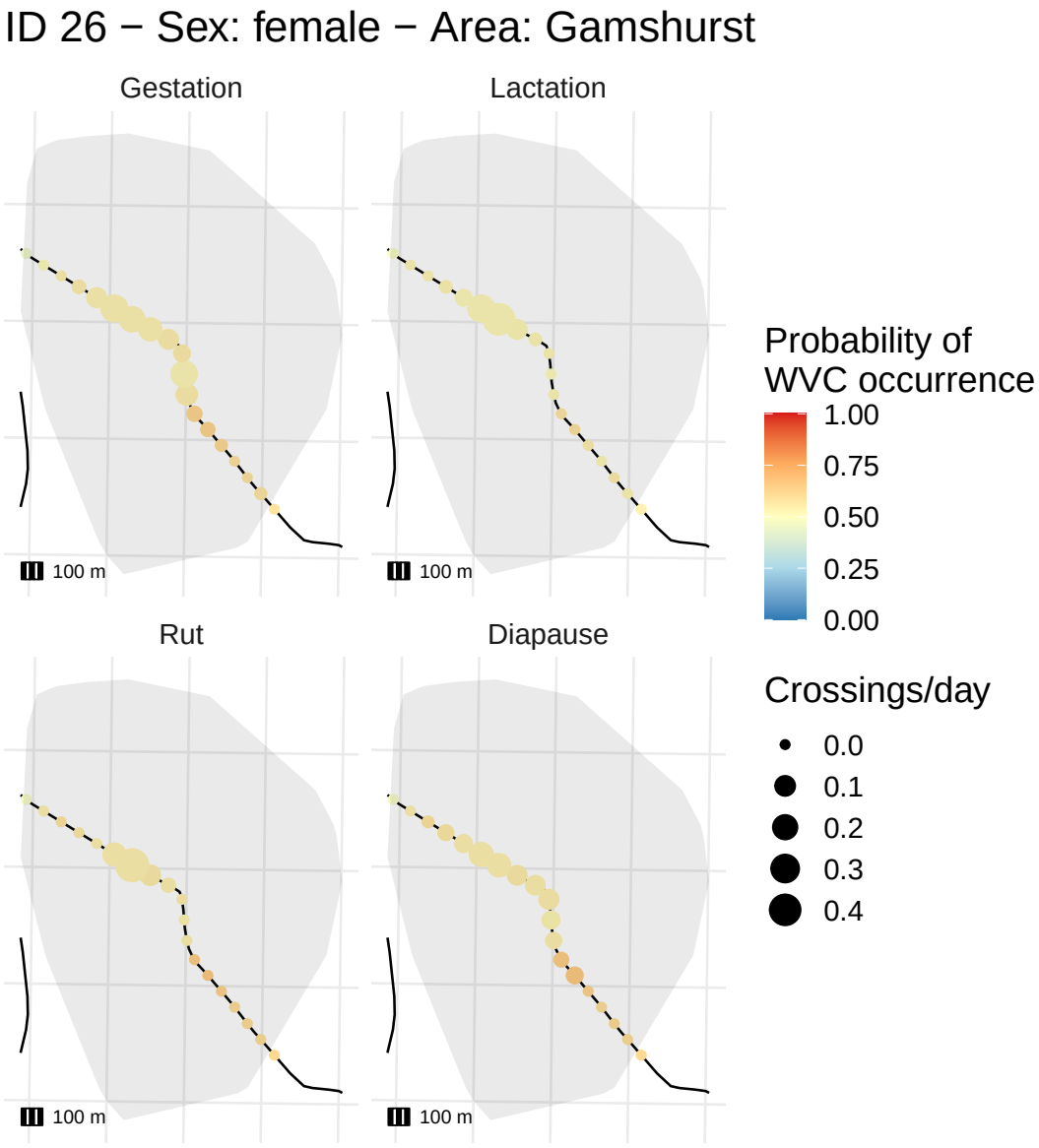

ID 18 − Sex: female − Area: Oberbruch
Gestation
Lactation
Rut
Diapause
80 m
80 m
80 m
80 m
Crossings/day
0
1
2
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

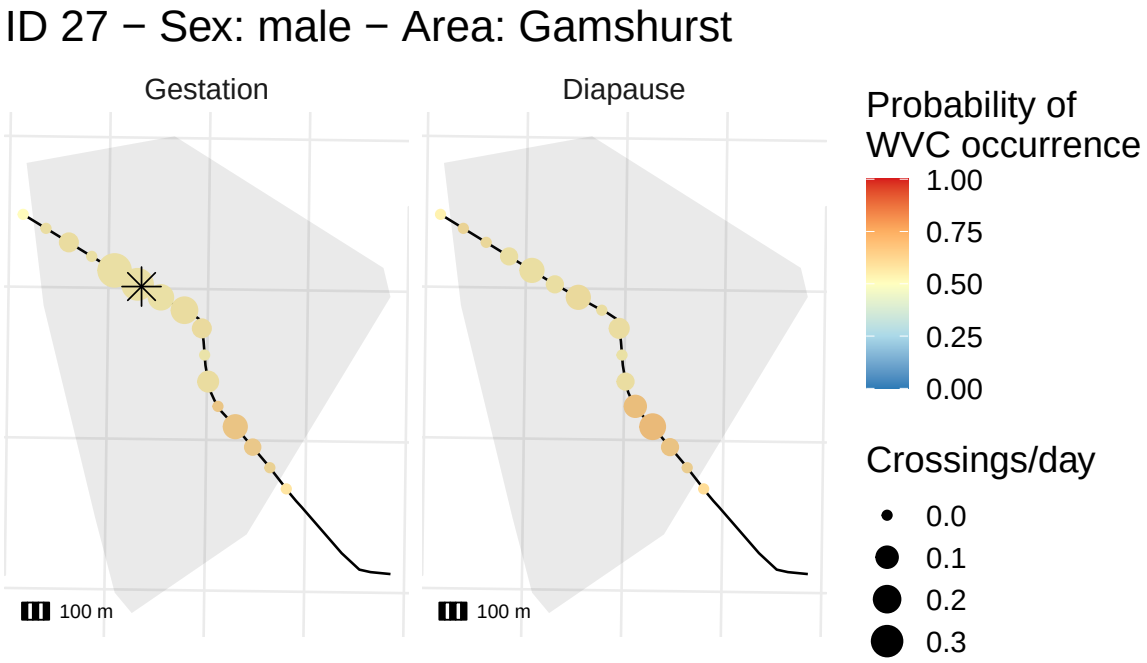

ID 19 − Sex: female − Area: Zierolshofen
Gestation
Lactation
Diapause
80 m
80 m
80 m
Probability of WVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.1
0.2
0.3
0.4

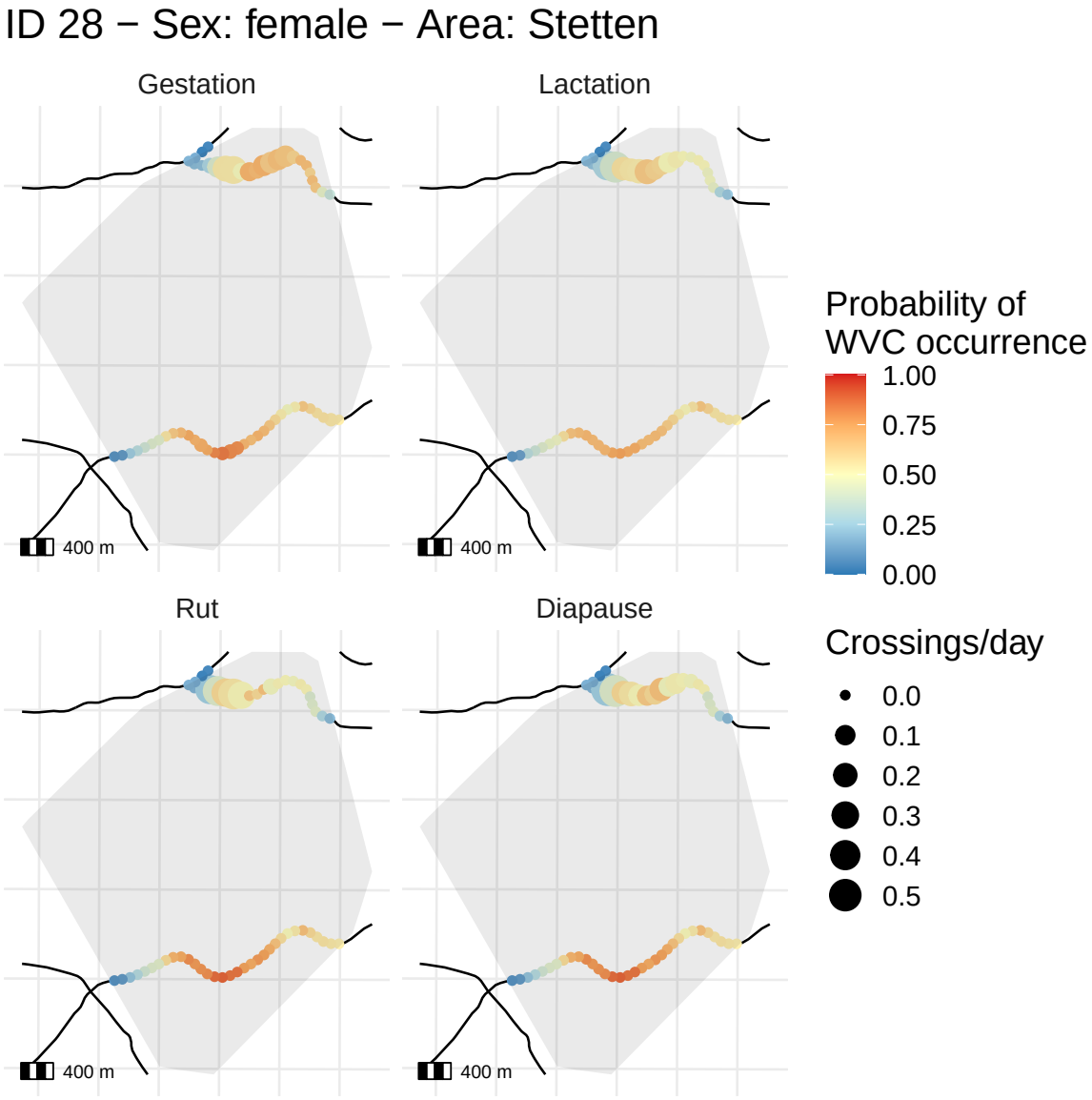

ID 22 − Sex: male − Area: Zierolshofen
Gestation
Lactation
Rut
Diapause
800 m
800 m
800 m
800 m
Probability of WVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.000
0.025
0.050
0.075

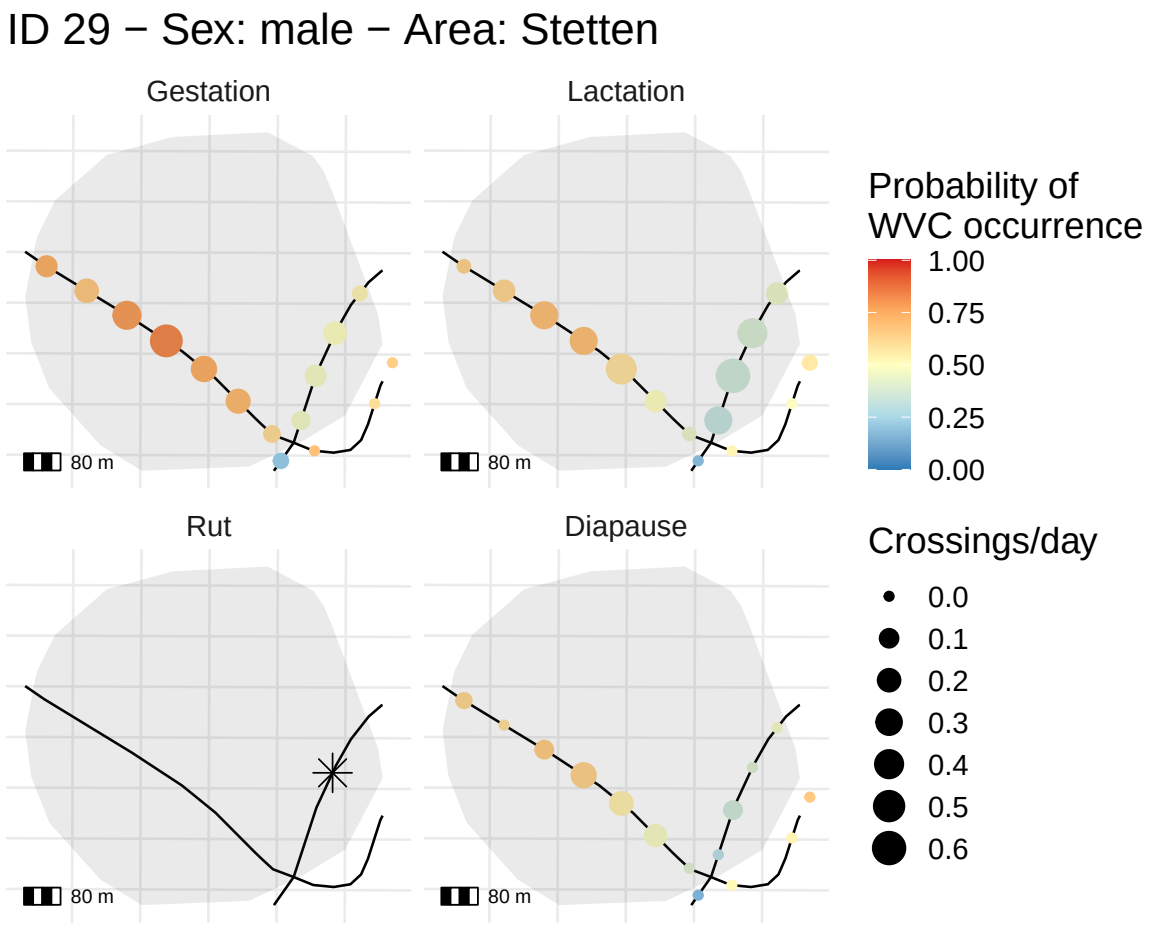

ID 24 − Sex: female − Area: Zierolshofen
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Probability of WVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.1
0.2
0.3

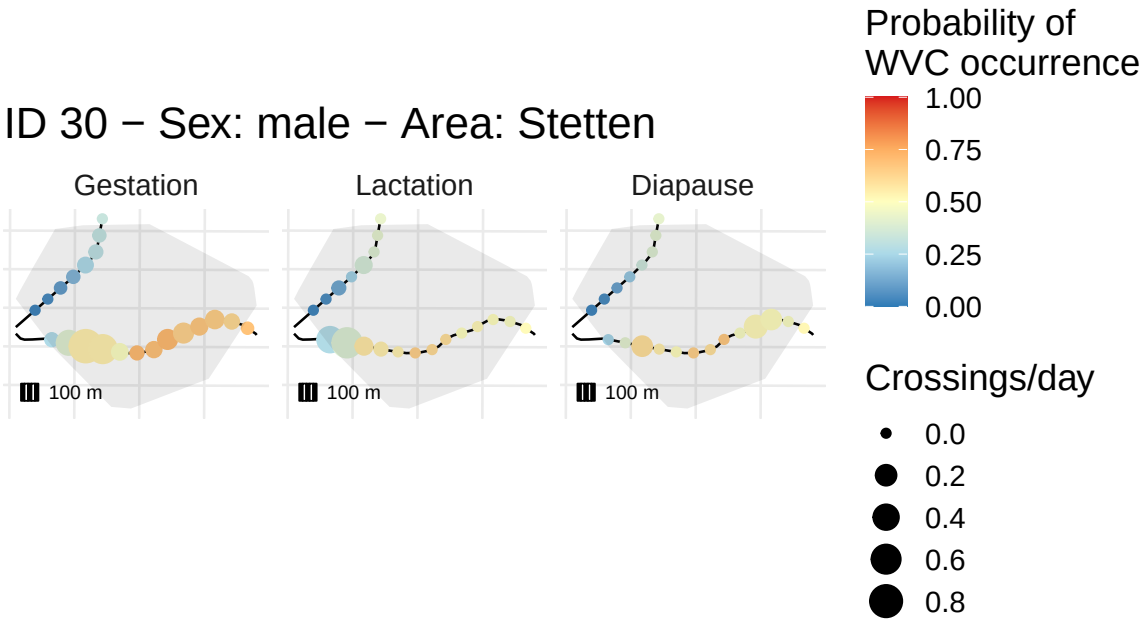

ID 25 − Sex: female − Area: Gamshurst
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Probability of WVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.2
0.4
0.6
0.8

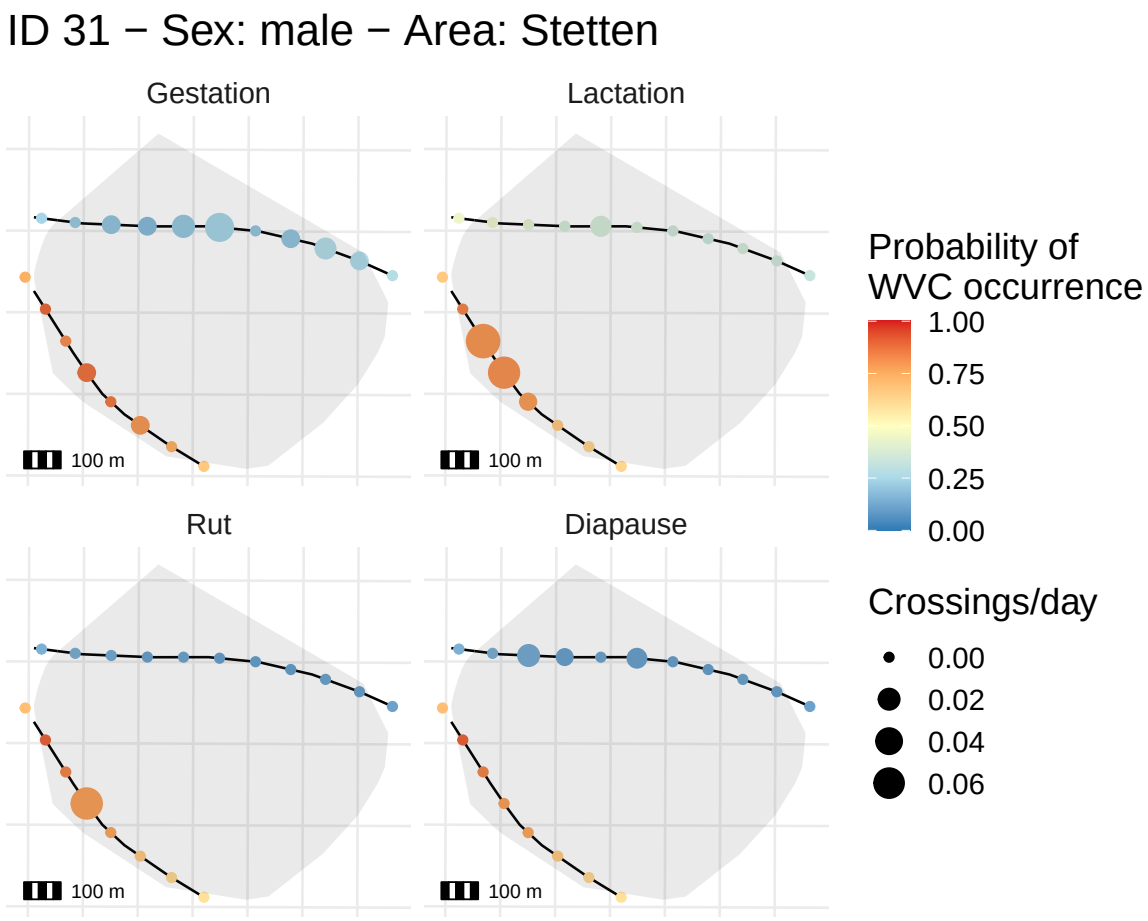

ID 26 − Sex: female − Area: Gamshurst
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Probability of WVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.1
0.2
0.3
0.4

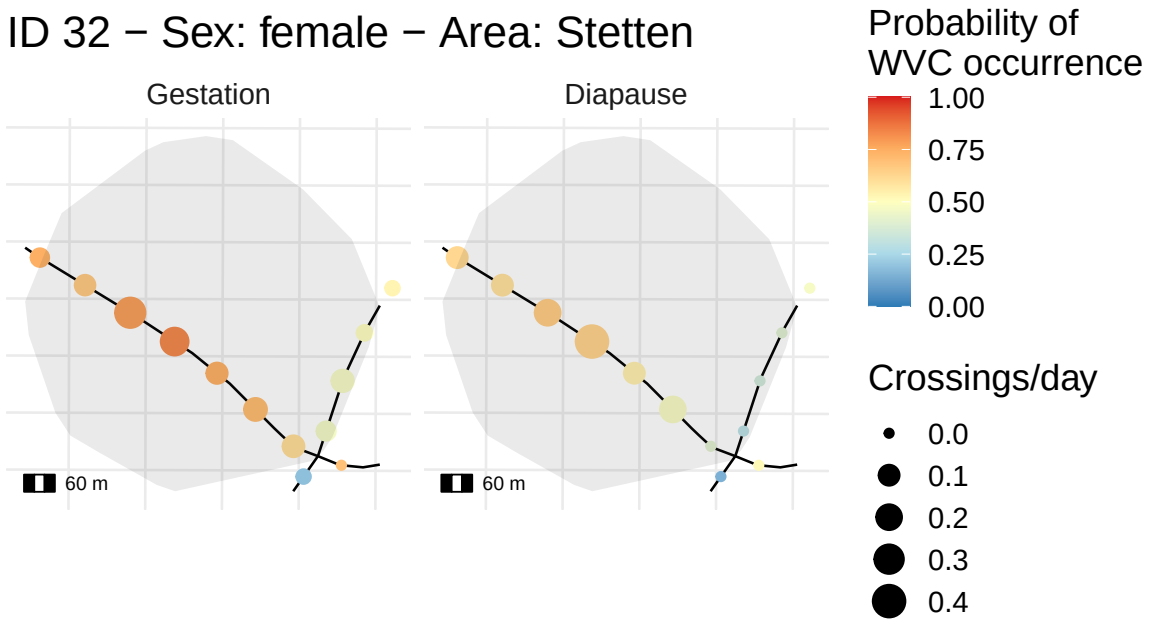

ID 27 − Sex: male − Area: Gamshurst
Gestation
Diapause
100 m
100 m
Probability of WVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.1
0.2
0.3

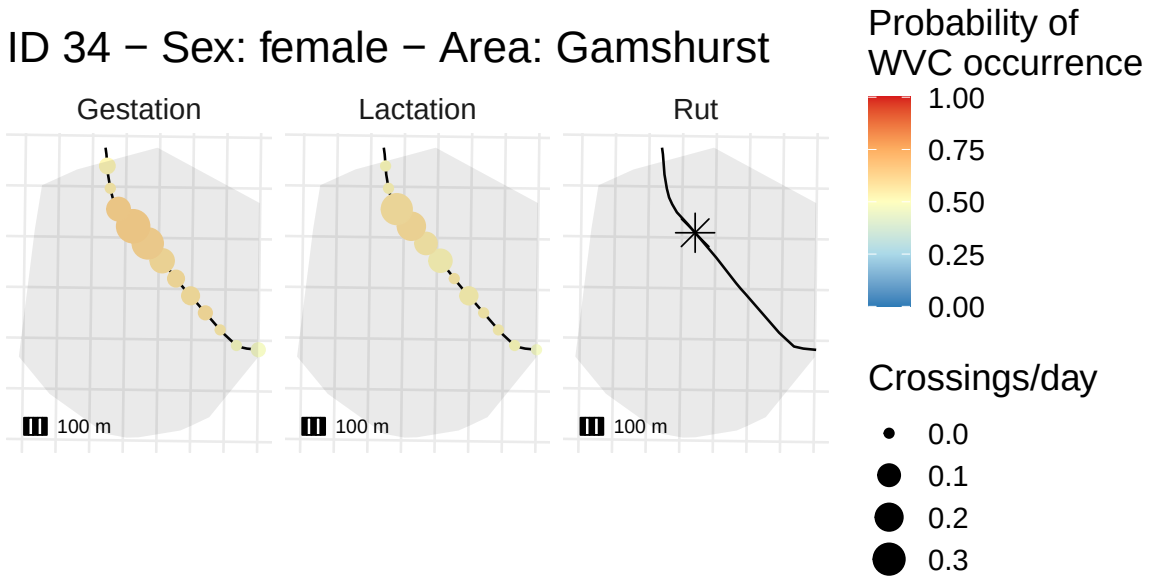

ID 28 − Sex: female − Area: Stetten
Gestation
Lactation
Rut
Diapause
400 m
400 m
400 m
400 m
Probability of WVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.1
0.2
0.3
0.4
0.5

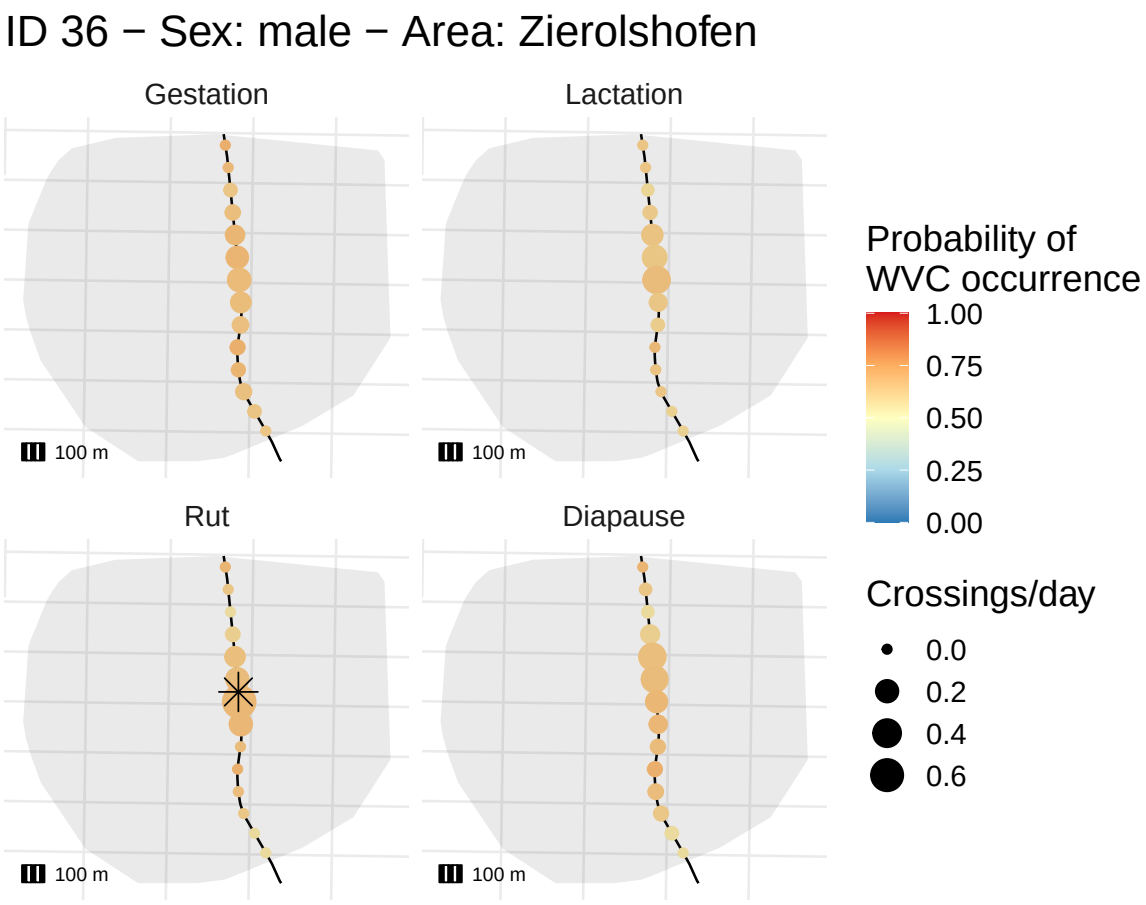

ID 29 − Sex: male − Area: Stetten
Gestation
Lactation
Rut
Diapause
80 m
80 m
80 m
80 m
Probability of WVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.1
0.2
0.3
0.4
0.5
0.6

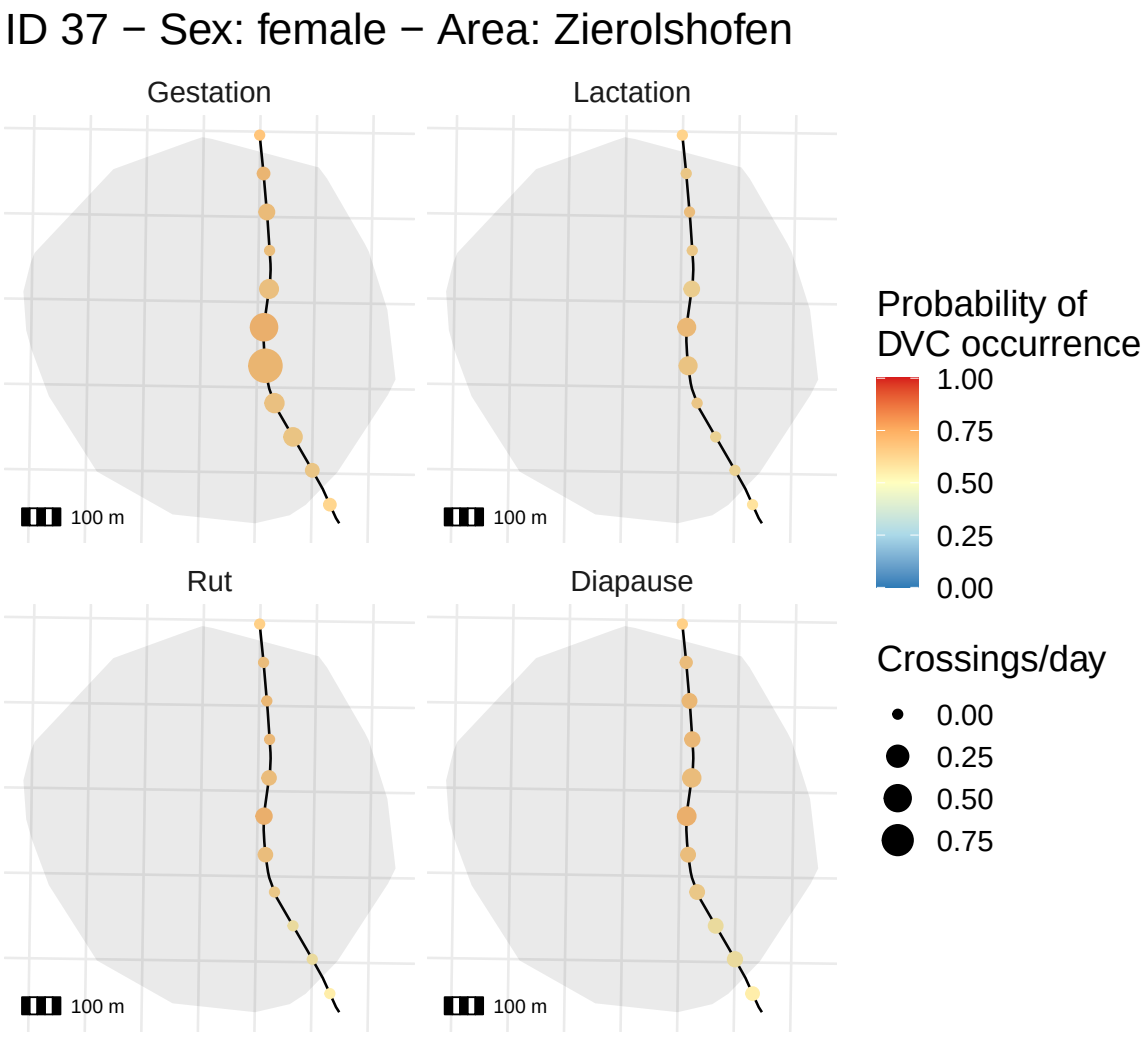

ID 30 − Sex: male − Area: Stetten
Gestation
Lactation
Diapause
100 m
100 m
100 m
Probability of WVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.2
0.4
0.6
0.8

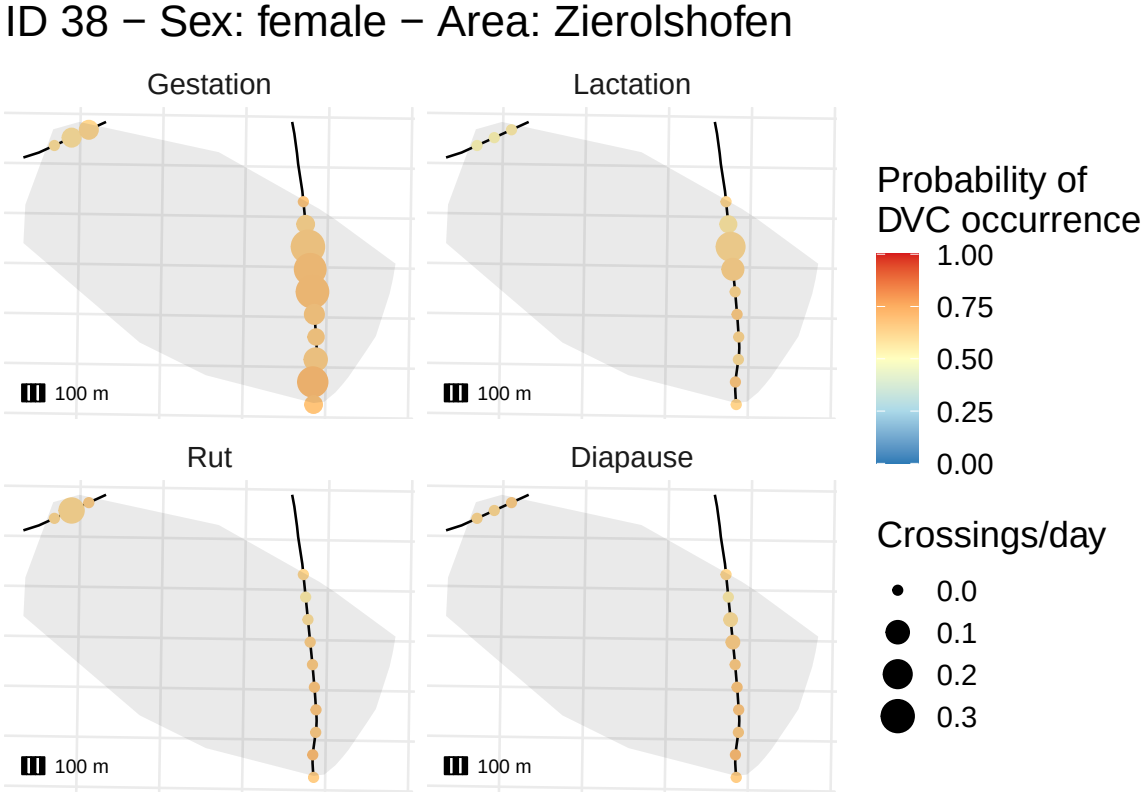

ID 31 − Sex: male − Area: Stetten
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Probability of WVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.00
0.02
0.04
0.06

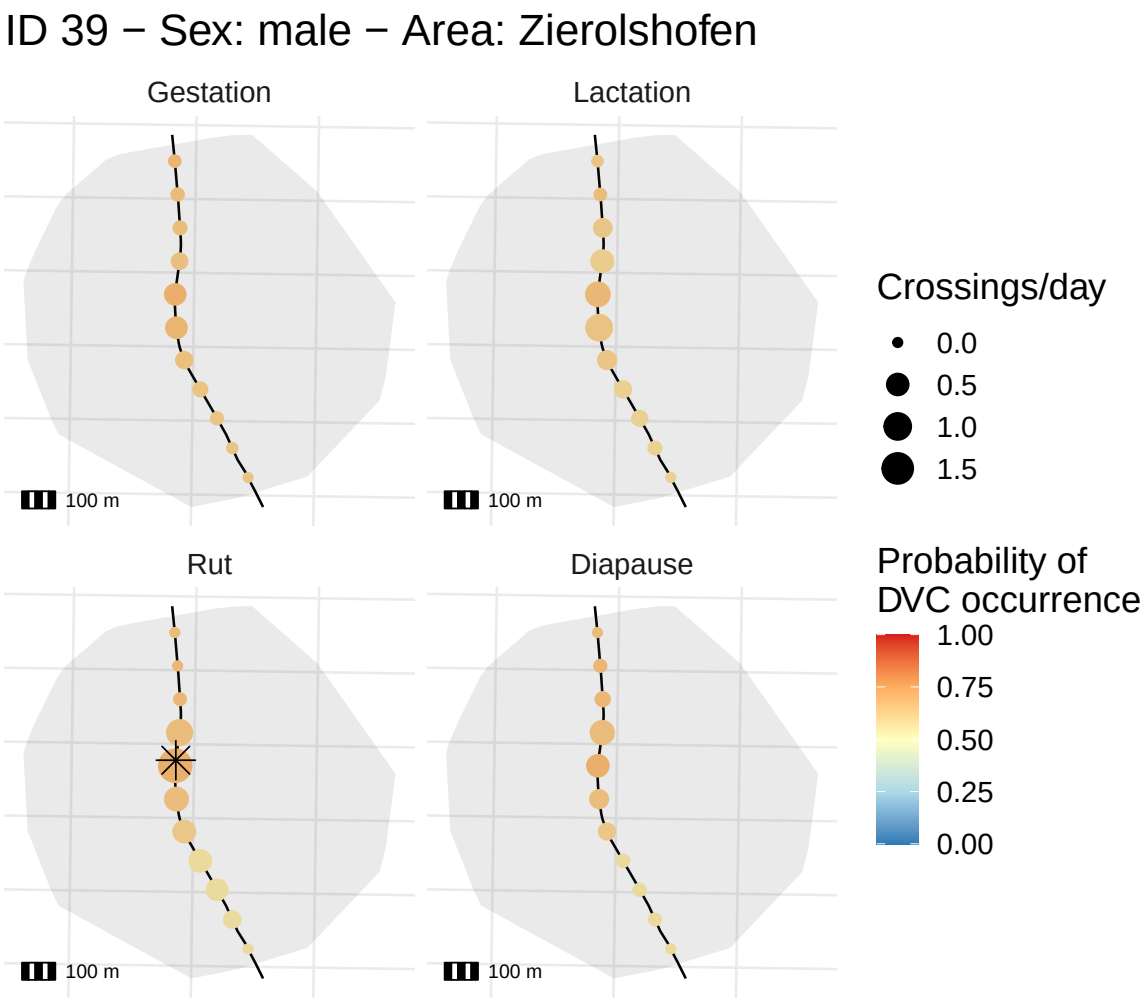

ID 32 − Sex: female − Area: Stetten
Gestation
Diapause
60 m
60 m
Probability of WVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.1
0.2
0.3
0.4

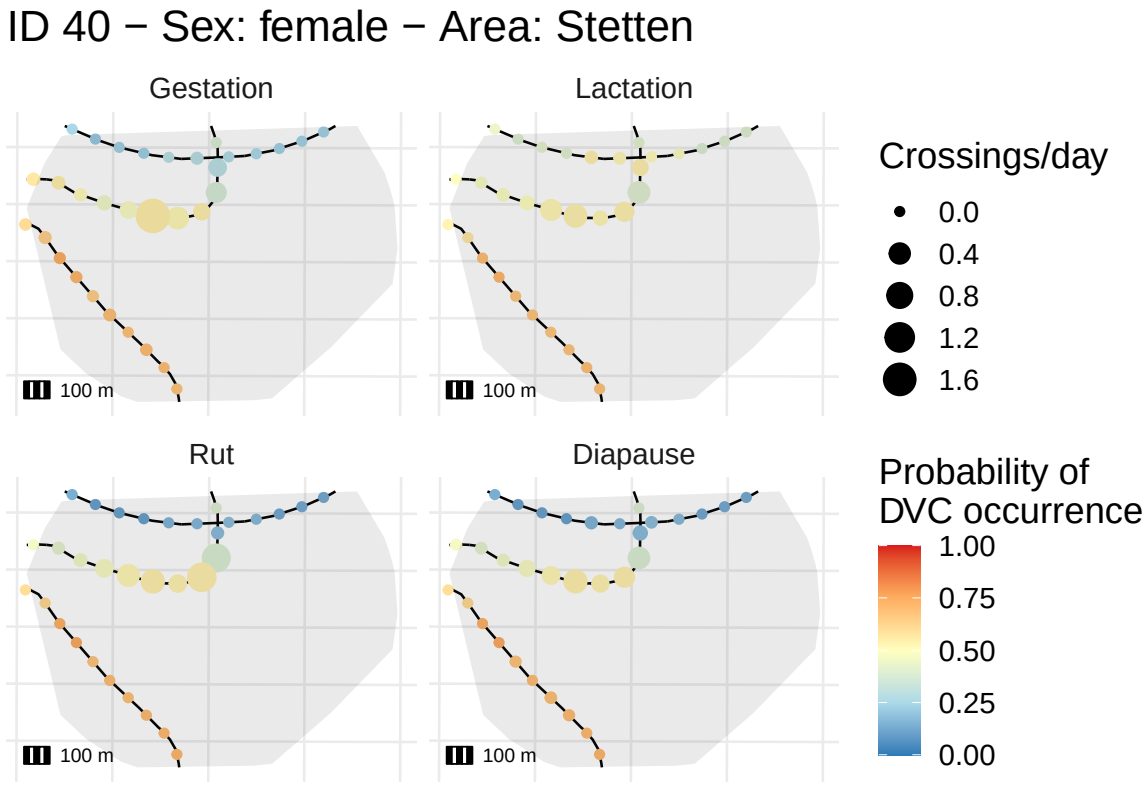

ID 34 − Sex: female − Area: Gamshurst
Gestation
Lactation
Rut
100 m
100 m
100 m
Probability of WVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.1
0.2
0.3

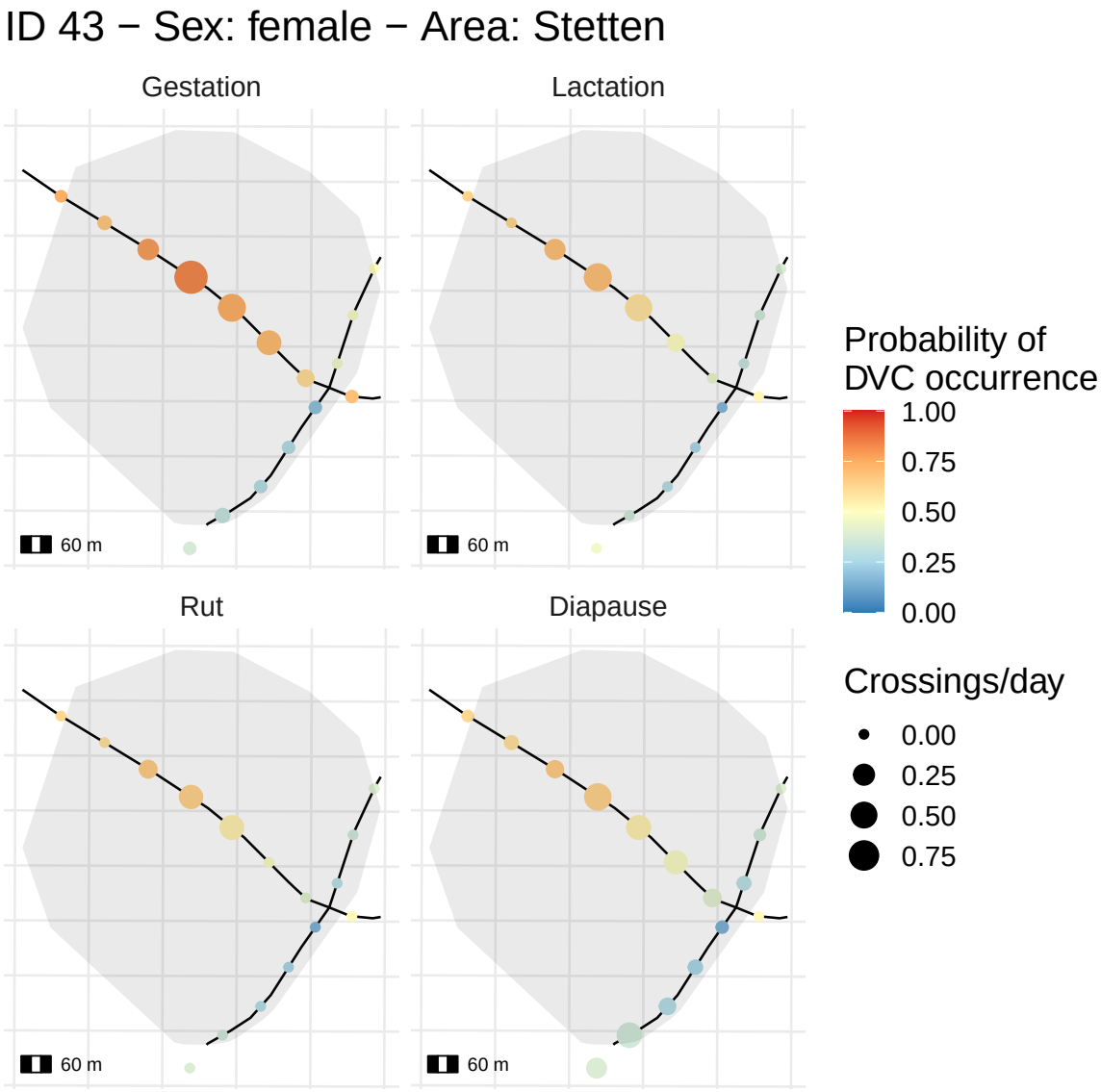

ID 36 − Sex: male − Area: Zierolshofen
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Probability of WVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.2
0.4
0.6

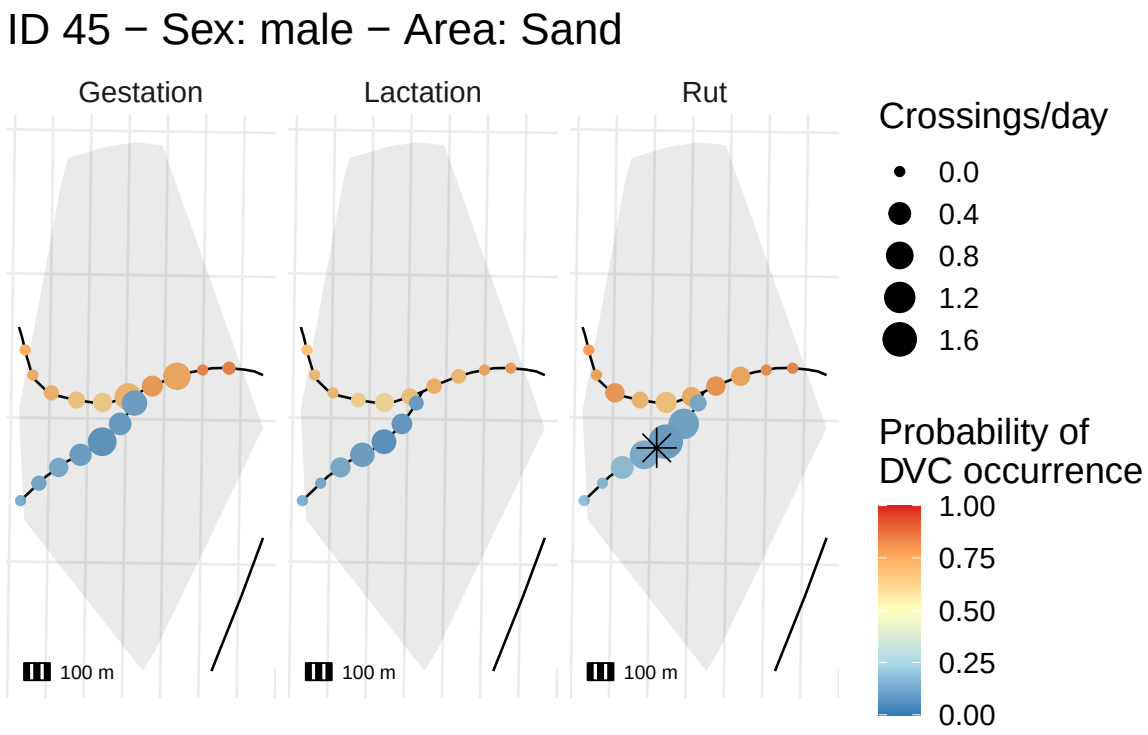

ID 37 − Sex: female − Area: Zierolshofen
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.00
0.25
0.50
0.75

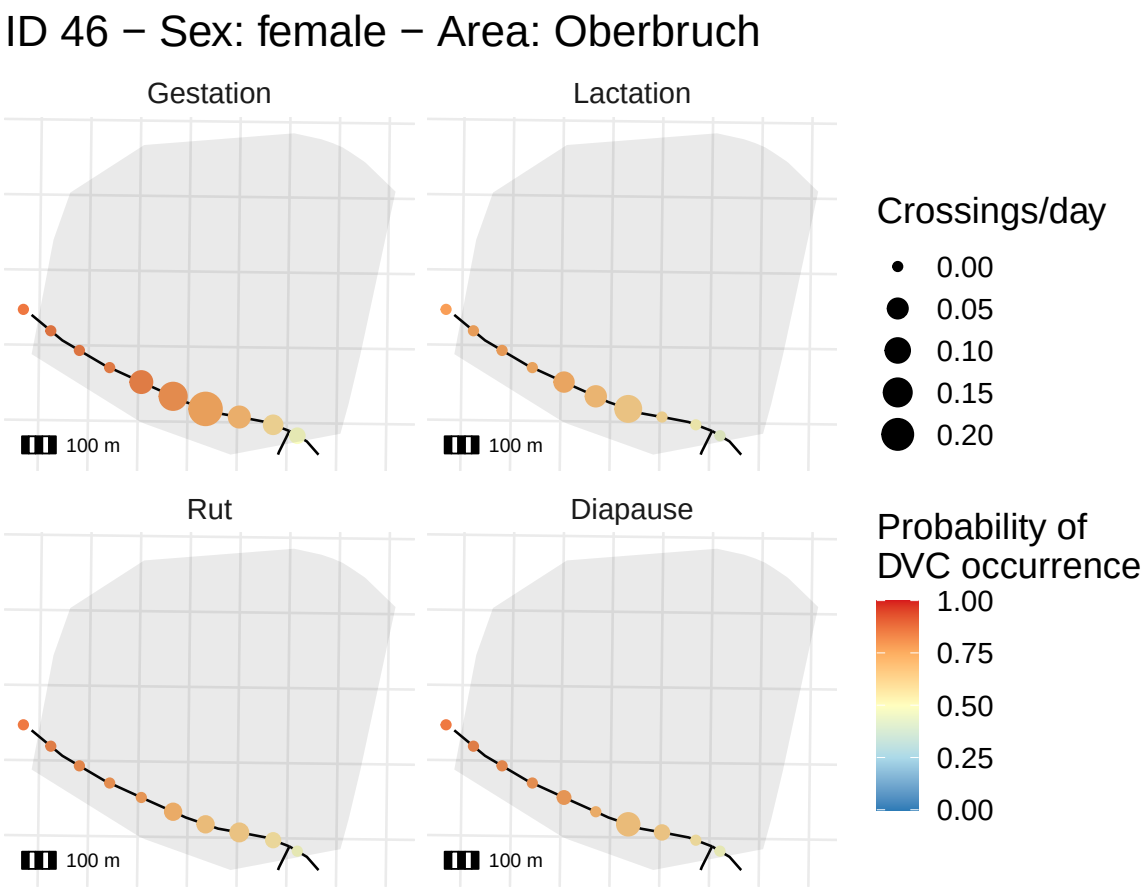

ID 38 − Sex: female − Area: Zierolshofen
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.1
0.2
0.3

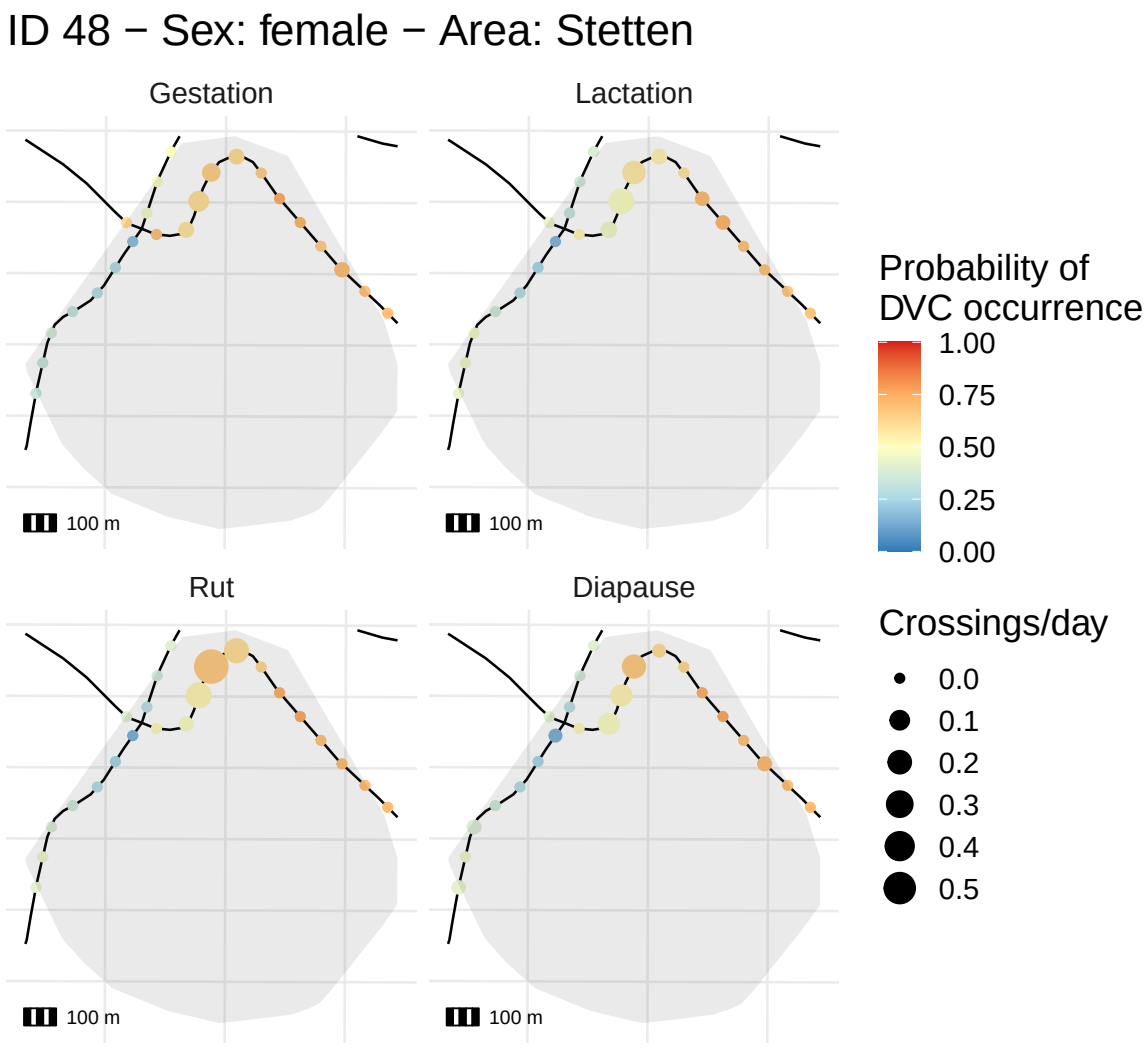

ID 39 − Sex: male − Area: Zierolshofen
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Crossings/day
0.0
0.5
1.0
1.5
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

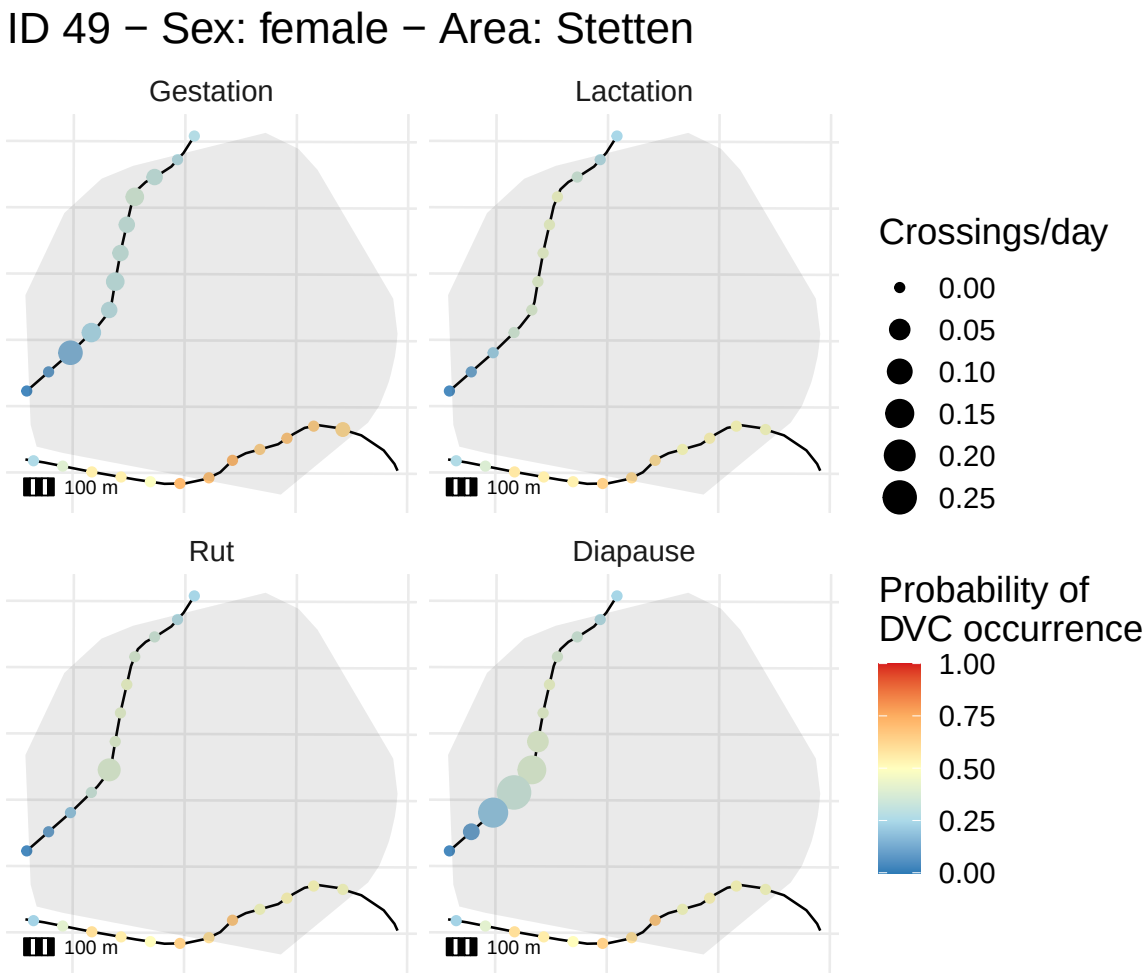

ID 40 − Sex: female − Area: Stetten
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Crossings/day
0.0
0.4
0.8
1.2
1.6
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

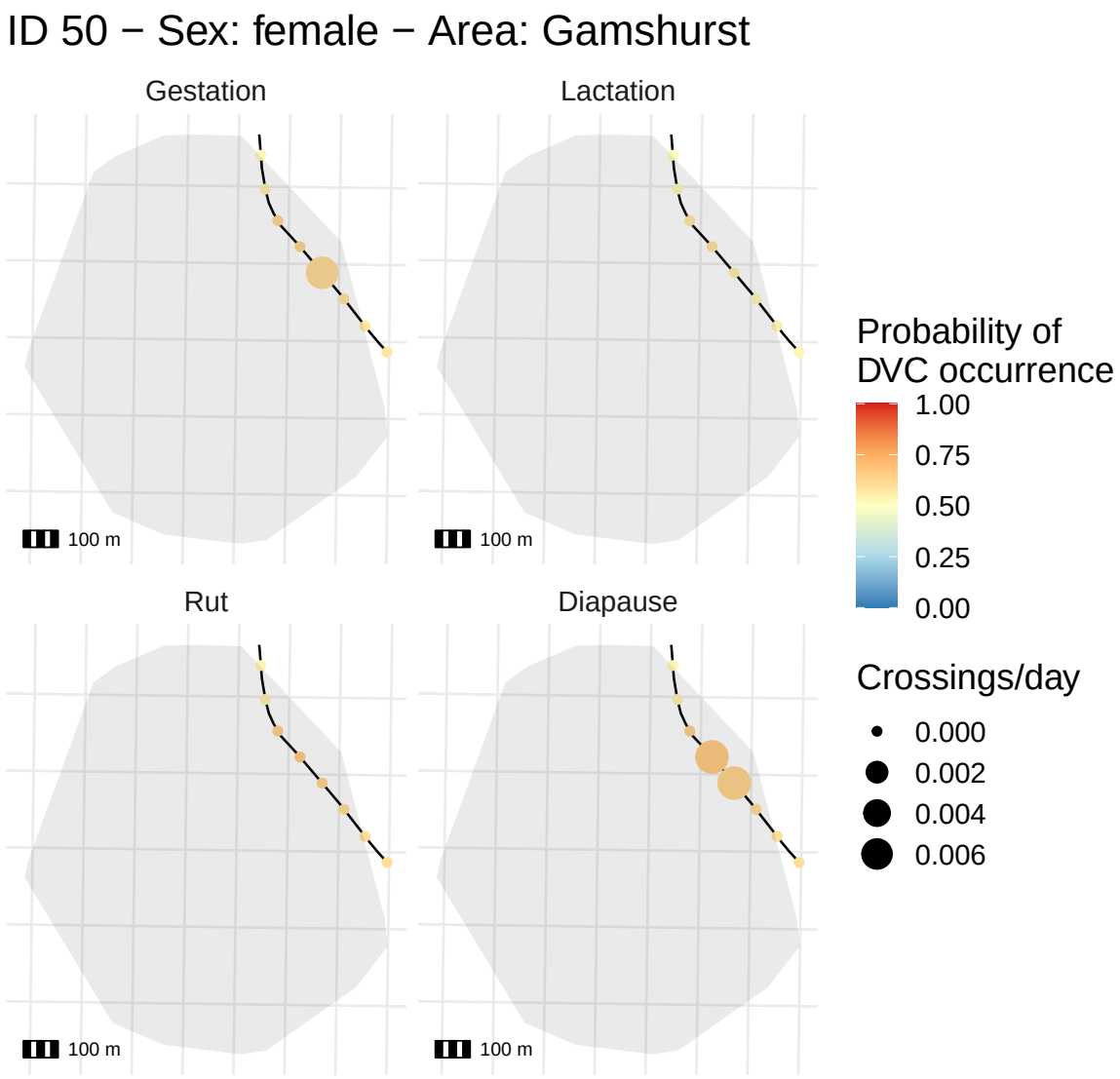

ID 43 − Sex: female − Area: Stetten
Gestation
Lactation
Rut
Diapause
60 m
60 m
60 m
60 m
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.00
0.25
0.50
0.75

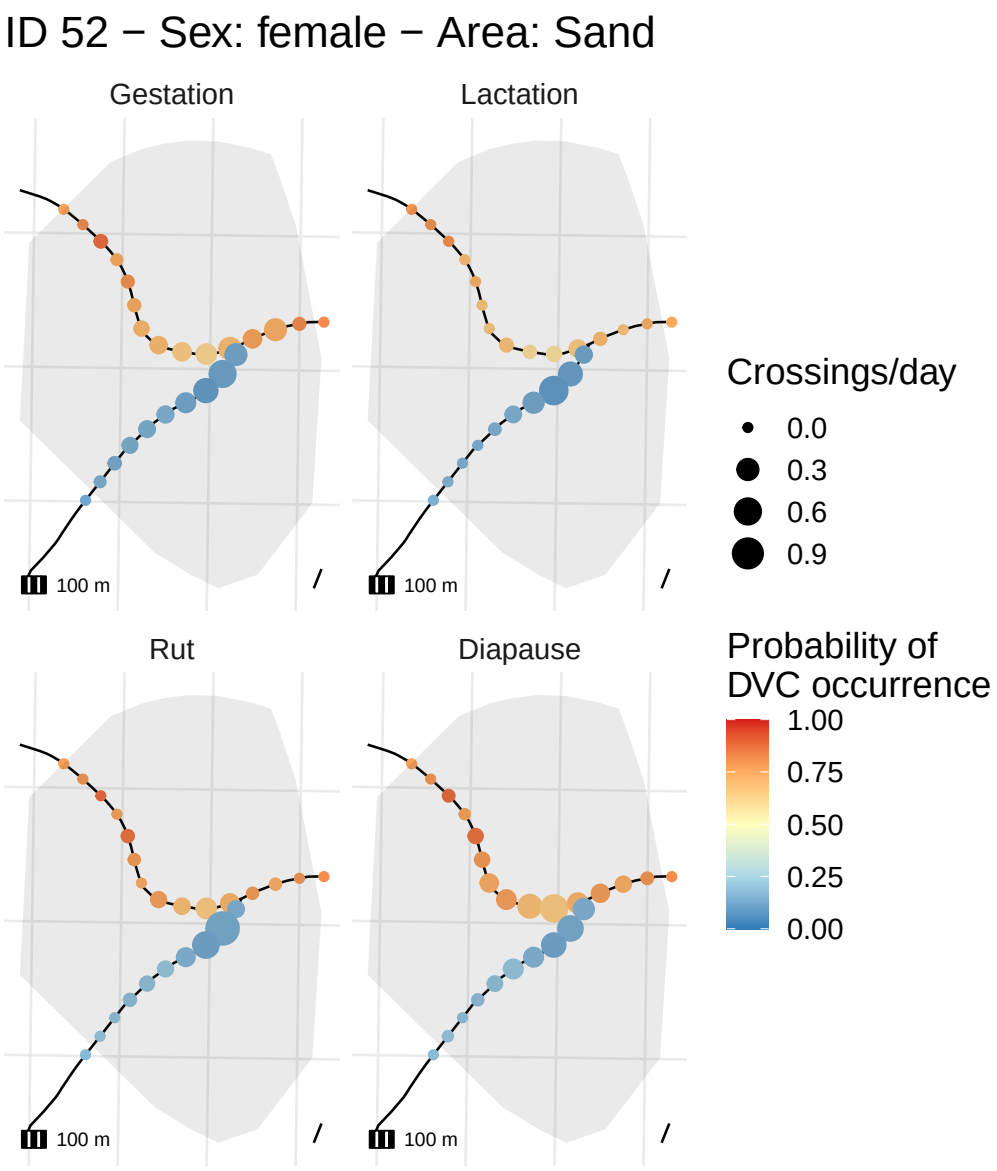

ID 45 − Sex: male − Area: Sand
Gestation
Lactation
Rut
100 m
100 m
100 m
Crossings/day
0.0
0.4
0.8
1.2
1.6
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

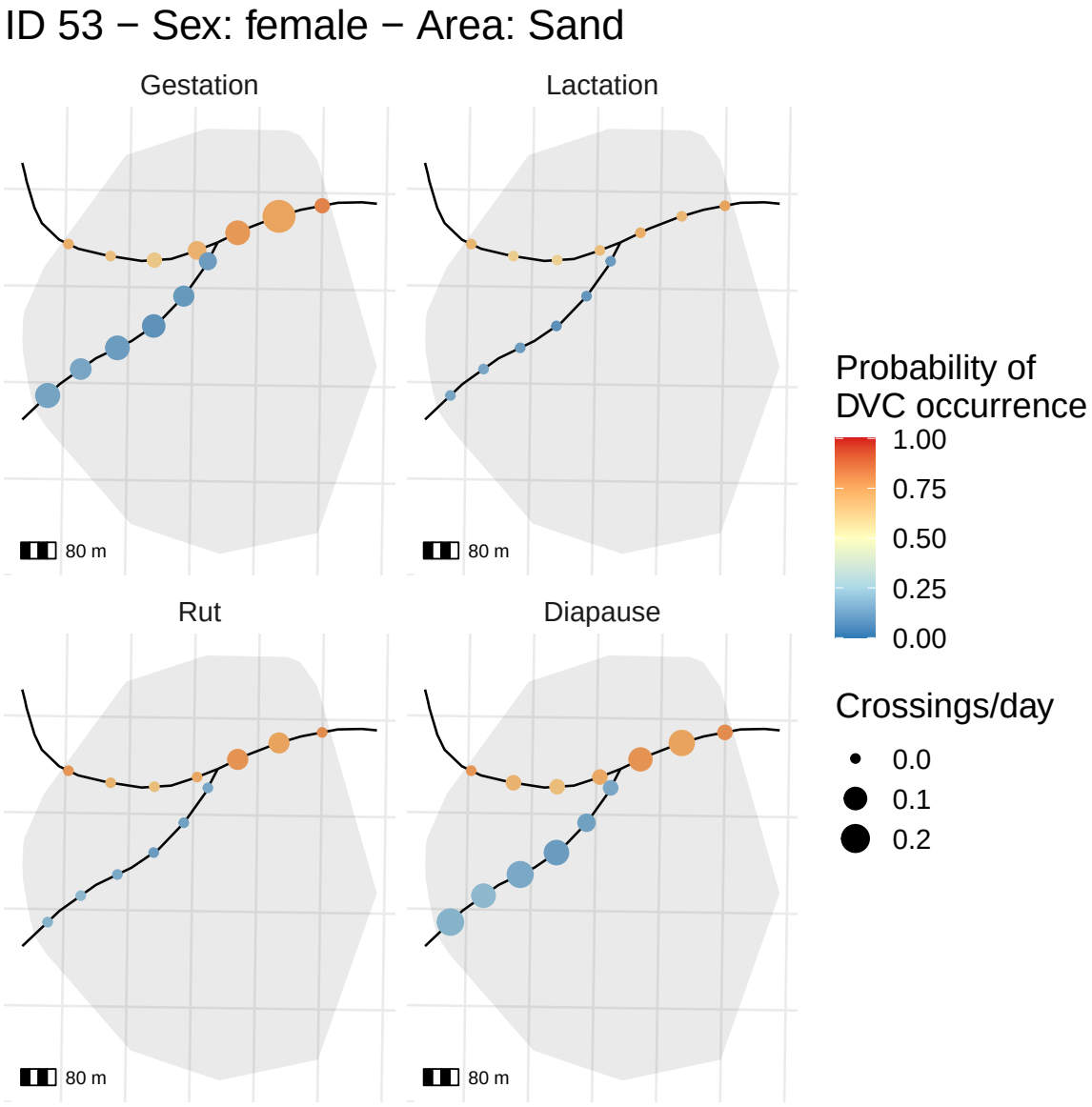

ID 46 − Sex: female − Area: Oberbruch
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Crossings/day
0.00
0.05
0.10
0.15
0.20
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

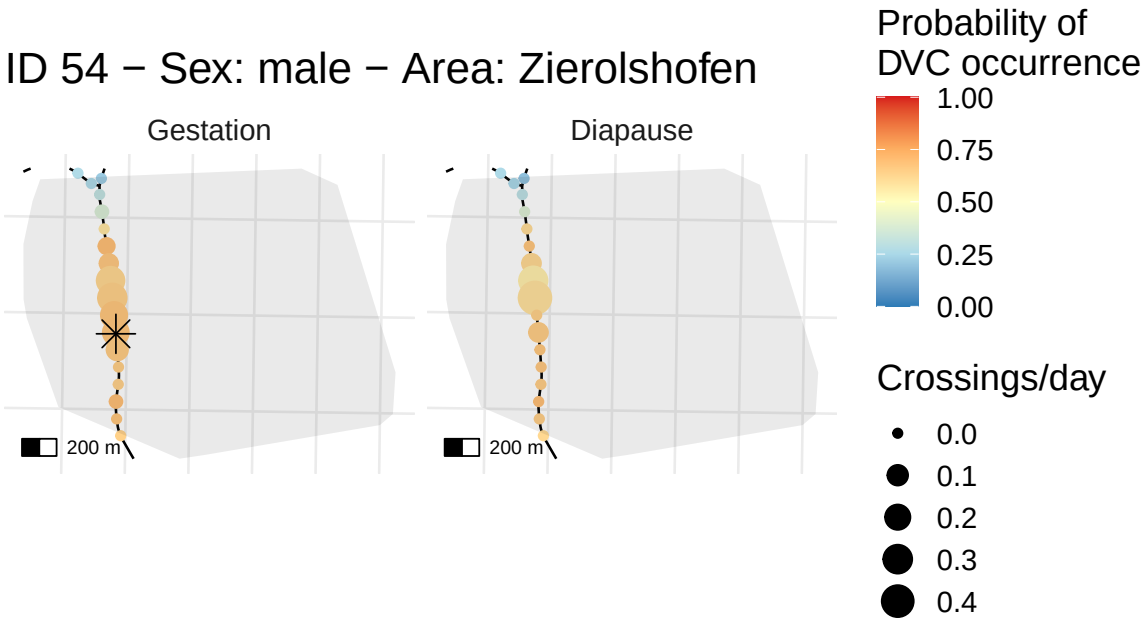

ID 48 − Sex: female − Area: Stetten
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.1
0.2
0.3
0.4
0.5

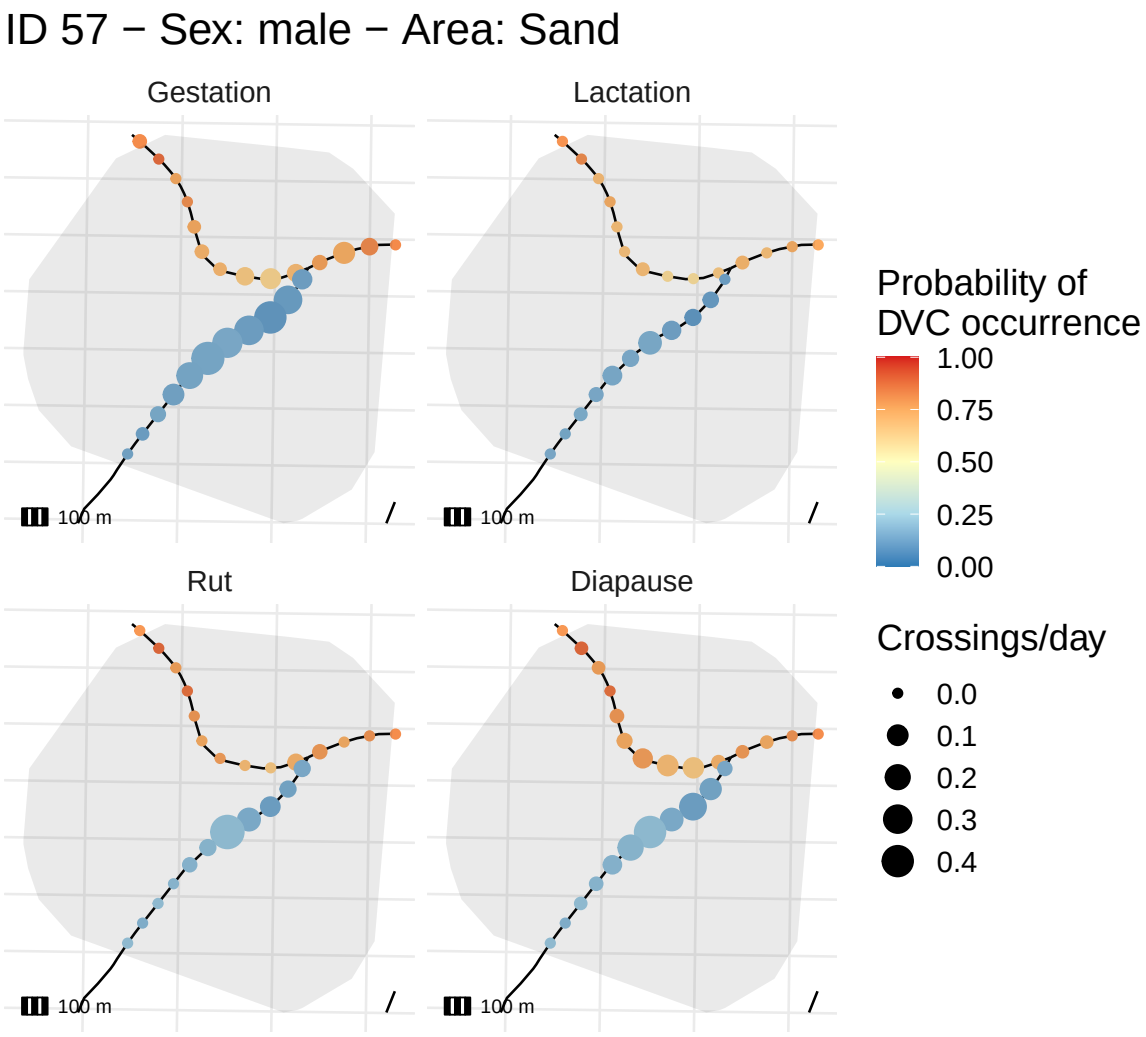

ID 49 − Sex: female − Area: Stetten
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Crossings/day
0.00
0.05
0.10
0.15
0.20
0.25
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00

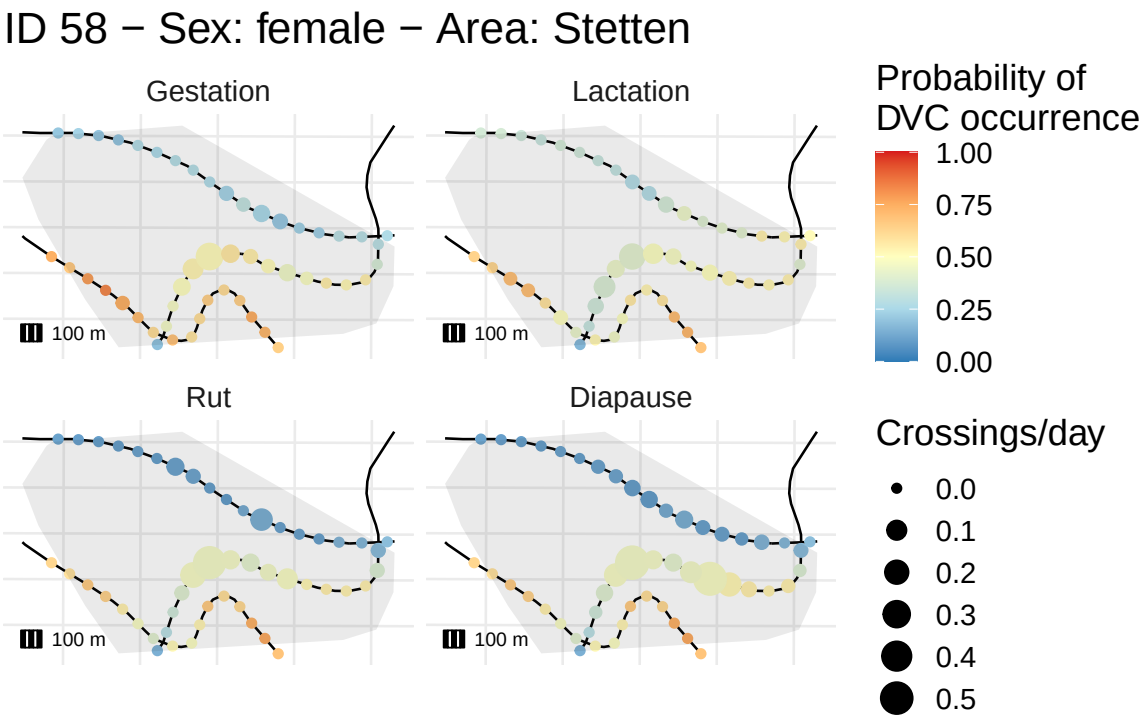

ID 50 − Sex: female − Area: Gamshurst
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.000
0.002
0.004
0.006


ID 52 − Sex: female − Area: Sand
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Crossings/day
0.0
0.3
0.6
0.9
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00


ID 53 − Sex: female − Area: Sand
Gestation
Lactation
Rut
Diapause
80 m
80 m
80 m
80 m
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.1
0.2


ID 54 − Sex: male − Area: Zierolshofen
Gestation
Diapause
200 m
200 m
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.1
0.2
0.3
0.4


ID 57 − Sex: male − Area: Sand
Gestation
Lactation
Rut
Diapause
100 m
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.1
0.2
0.3
0.4


ID 58 − Sex: female − Area: Stetten
Gestation
Lactation
Rut
Diapause
100 m
100 m
100 m
100 m
Probability of DVC occurrence
1.00
0.75
0.50
0.25
0.00
Crossings/day
0.0
0.1
0.2
0.3
0.4
0.5

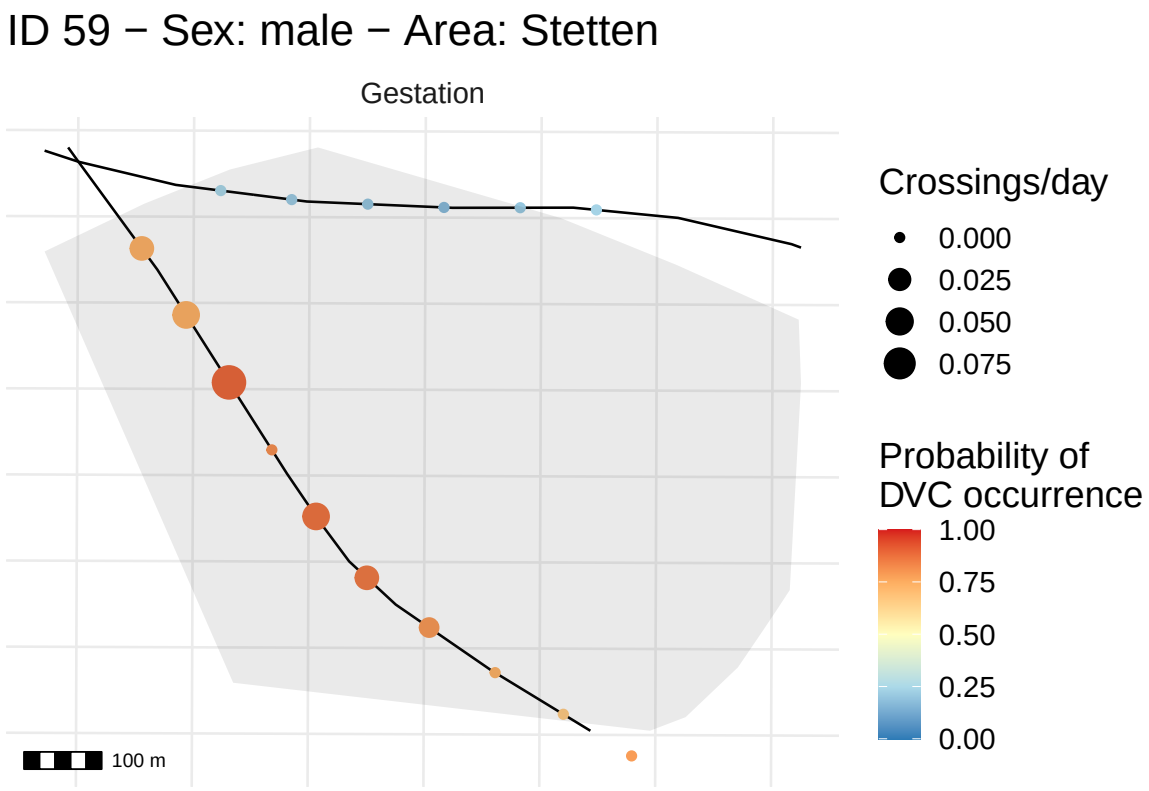


Figure 22: Frequency of road crossings per day in each sampling buffer split per season for all roe deer individuals that crossed roads. Modelled DVC probability is based on the separate risk models per season and differ slightly between seasons. 99 % MCP of this individual is shaded in grey and black lines depict the street network. The black star indicates the location of death by DVC if the roe deer died during the time frame it was collared.