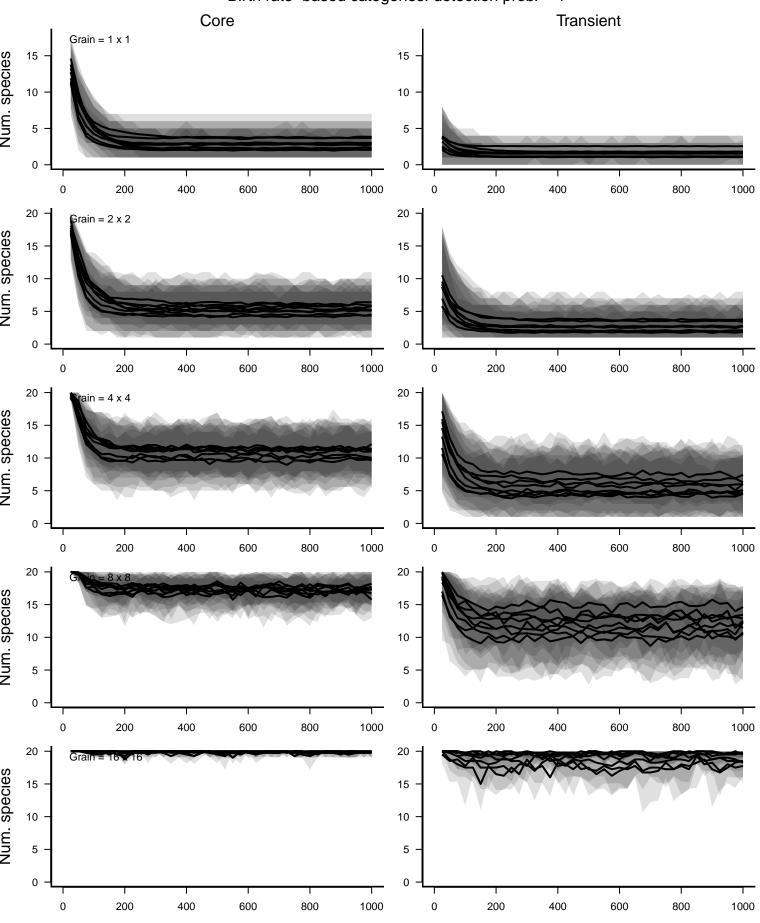
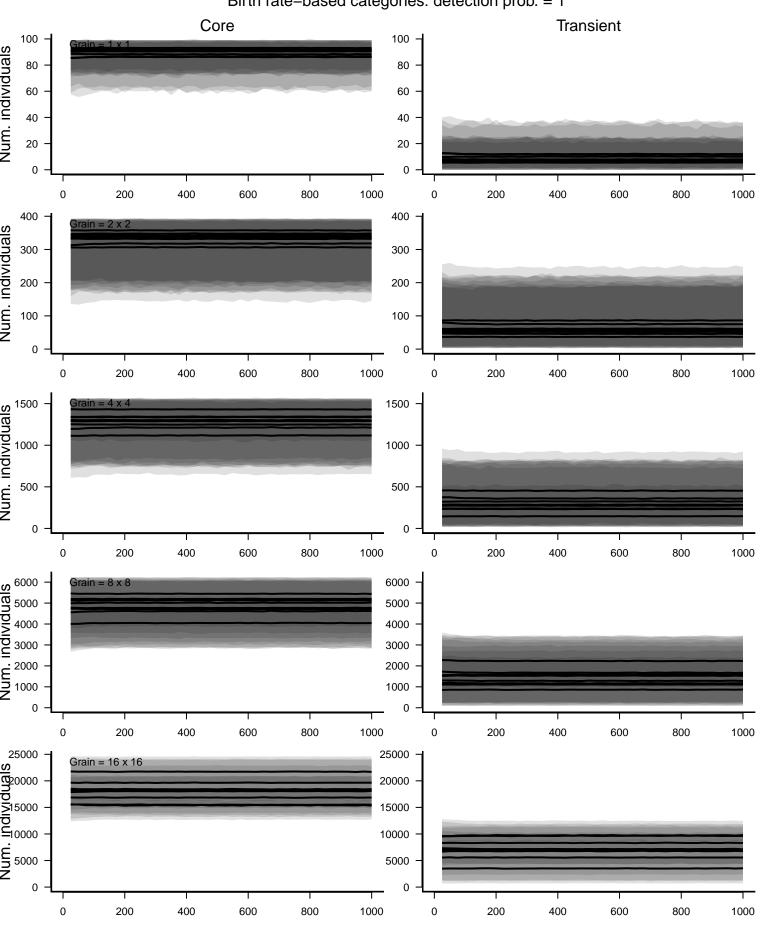
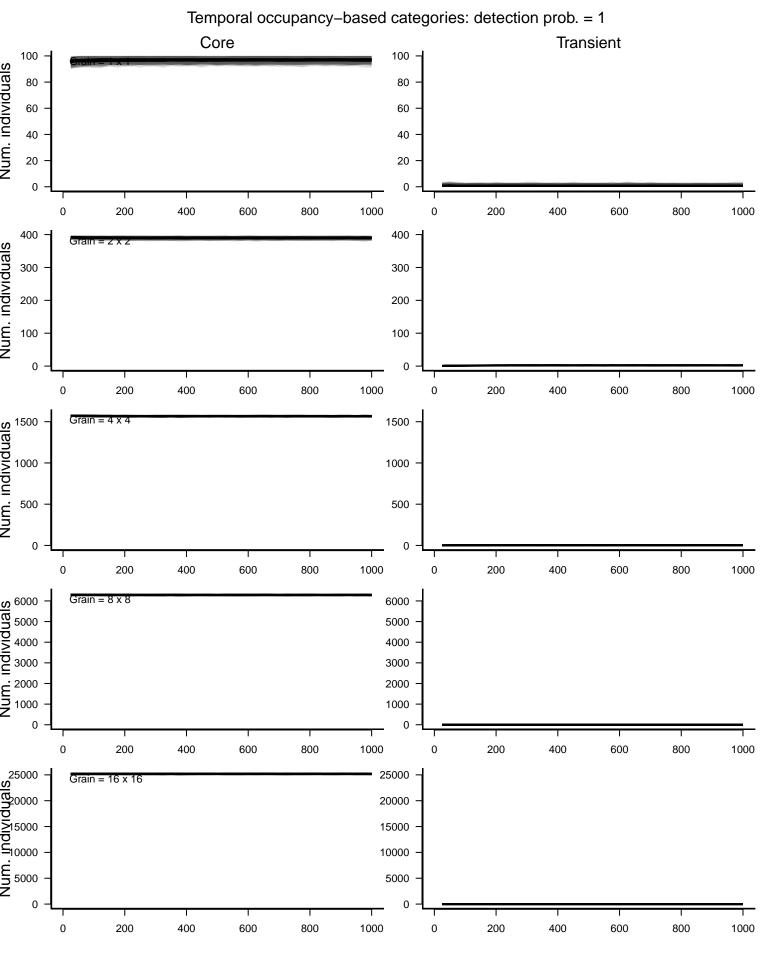
Birth rate-based categories: detection prob. = 1



Birth rate-based categories: detection prob. = 1





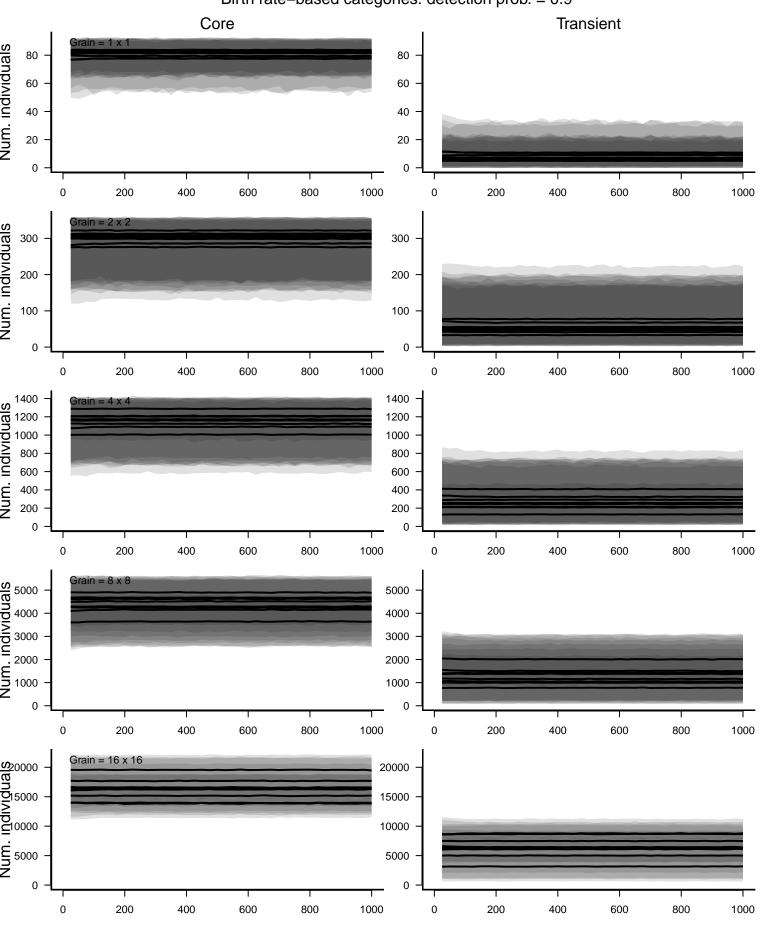
Birth rate-based Core Species: detection prob. = 1 Classified Transient (by occupancy) Classified Core (by occupancy) Grain = 1 x 1 Num. species 20 -Grain = 2 x 2 Num. species 20 ain = 4 x 4 Num. species 20 -Num. species 20 -Grain = 16 x 16 Num. species

Birth rate-based Transient Species: detection prob. = 1 Classified Core (by occupancy) Classified Transient (by occupancy) Grain = 1×1 Num. species 20 -Grain = 2 x 2 Num. species 20 -Grain = 4 x 4 Num. species ain = 8 x 8 Num. species 20 -Num. species

Birth rate-based categories: detection prob. = 0.9 Core Transient Grain = 1 x 1 Num. species 20 -Grain = 2 x 2 Num. species 20 ain = 4 x 4 Num. species 20 -Num. species 20 -Num. species

Temporal occupancy-based categories: detection prob. = 0.9 Transient Core Grain = 1 x 1 Num. species 35 -35 -Grain = 2 x 2 Num. species 40 -Grain = 4 x 4 Num. species 40 ain = 8 x 8 Num. species 40 -Num. species

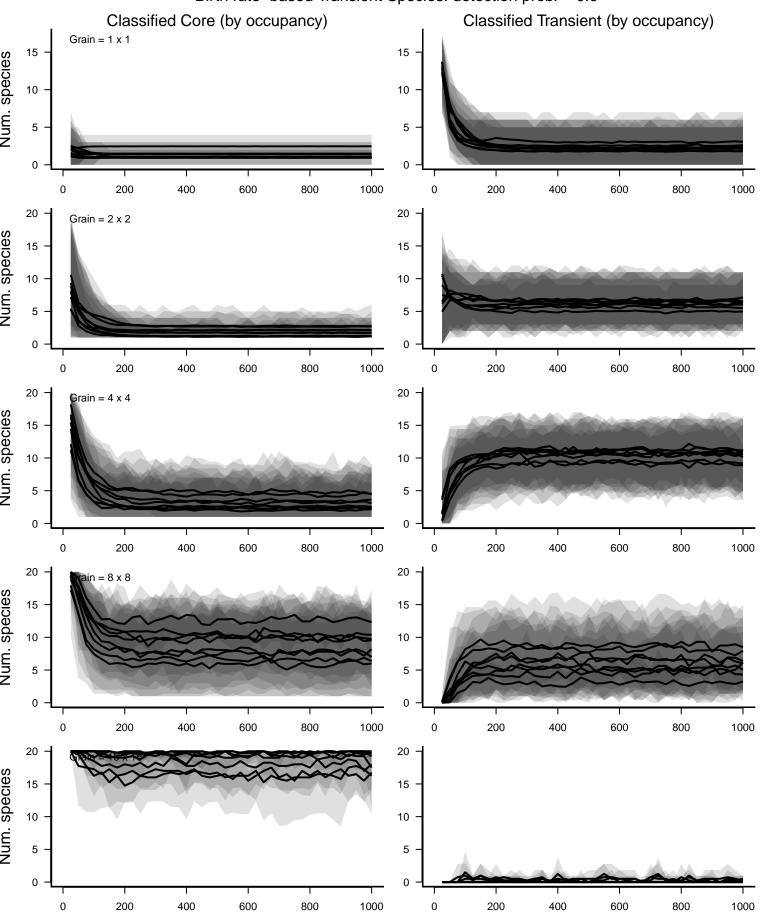
Birth rate-based categories: detection prob. = 0.9



Temporal occupancy-based categories: detection prob. = 0.9 Core Transient Num. Individuals Num. Individuals Num. Individuals 500 Grain = 8 x 8 4000 3000 2000 1000 Grain = 16 x 16 Num. individuals 50000 5000 5000

Birth rate-based Core Species: detection prob. = 0.9 Classified Core (by occupancy) Classified Transient (by occupancy) Grain = 1 x 1 Num. species 20 -Grain = 2 x 2 Num. species 20 ain = 4 x 4 Num. species 20 -Num. species 20 -Grain = 16 x 16 Num. species

Birth rate-based Transient Species: detection prob. = 0.9



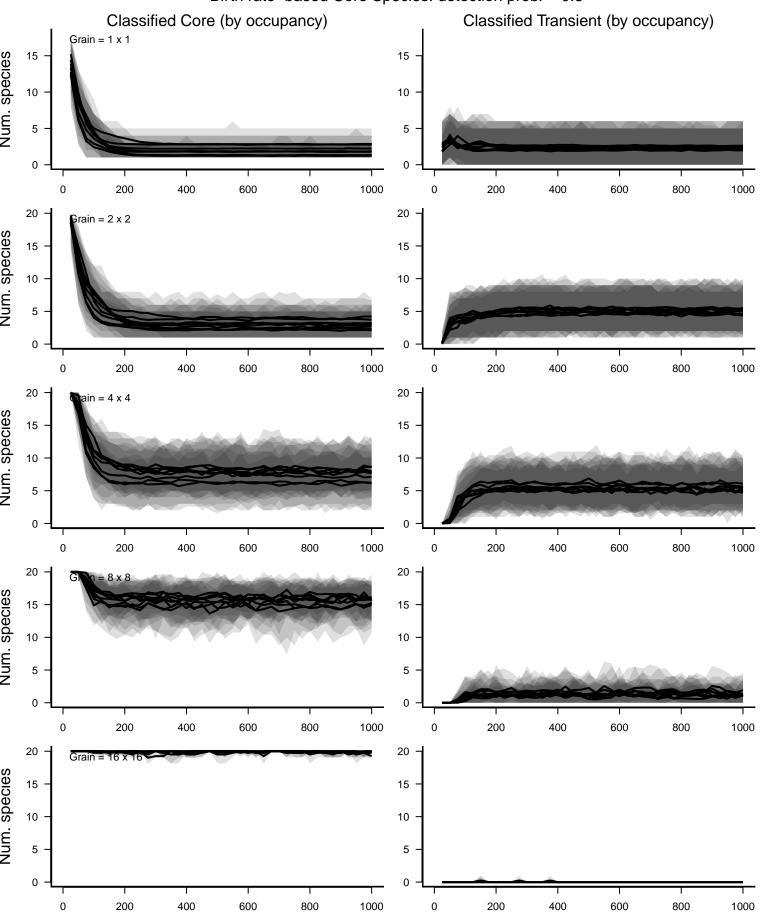
Birth rate-based categories: detection prob. = 0.8 Core Transient Grain = 1×1 Num. species 20 -Grain = 2 x 2 Num. species 20 rain = 4 x 4 Num. species 20 -Num. species 20 -Num. species

Temporal occupancy-based categories: detection prob. = 0.8 Transient Core Grain = 1 x 1 Num. species Grain = 2 x 2 Num. species 40 -Grain = 4 x 4 Num. species 40 rain = 8 x 8 Num. species 40 -Num. species

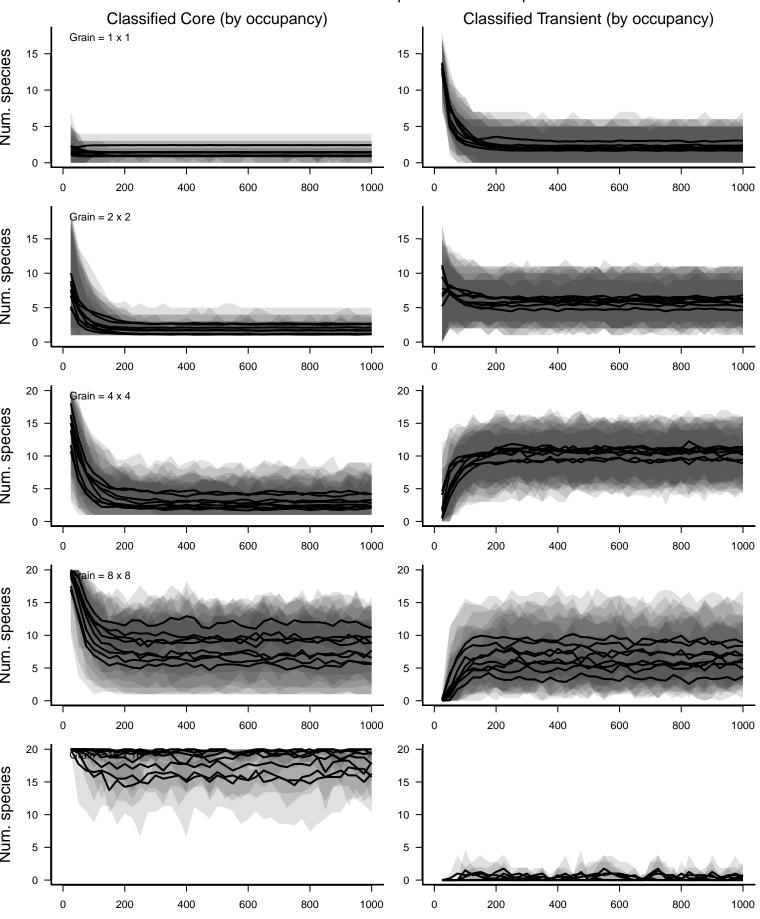
Birth rate-based categories: detection prob. = 0.8 Core **Transient** Num. Individuals Num. individuals 1000 800 600 400 200 5000 -5000 -4000 3000 2000 1000 20000 - $Grain = 16 \times 16$

Temporal occupancy-based categories: detection prob. = 0.8 Core Transient Num. Individuals Num. individuals Num. Individuals 1000 800 600 400 200 4000 3000 2000 1000 Individuals 15000 5000 20000 -Grain = 16 x 16

Birth rate-based Core Species: detection prob. = 0.8



Birth rate-based Transient Species: detection prob. = 0.8



Birth rate-based categories: detection prob. = 0.7 Core Transient Grain = 1 x 1 Num. species 20 -20 -Grain = 2 x 2 Num. species 20 rain = 4 x 4 Num. species 20 -Num. species 20 -Num. species

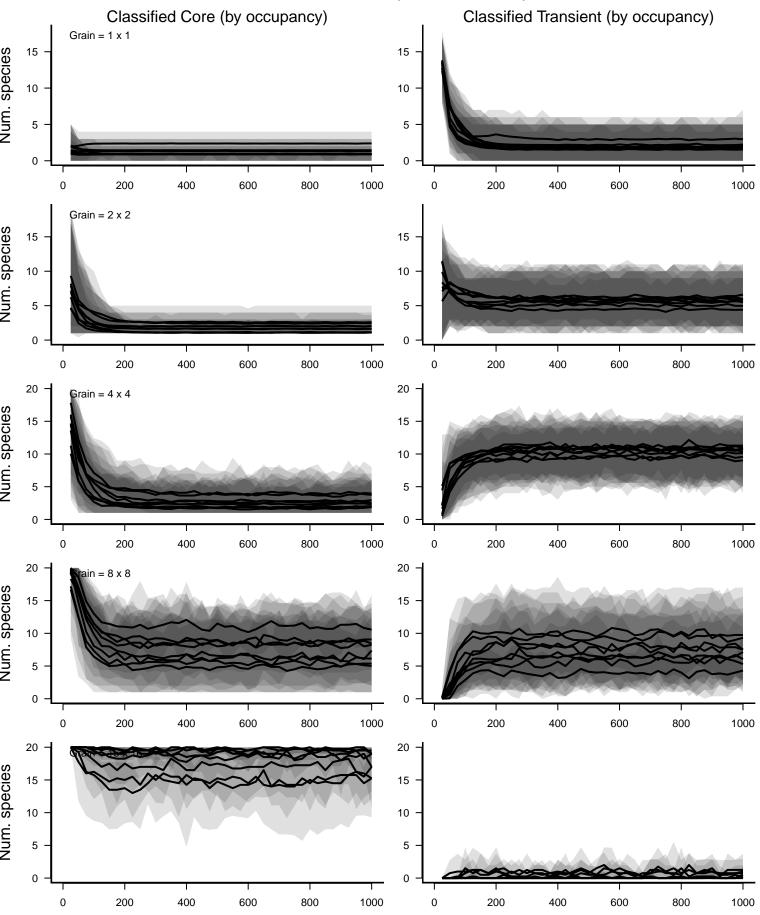
Temporal occupancy-based categories: detection prob. = 0.7 Core Transient Grain = 1 x 1 Num. species Grain = 2 x 2 Num. species 40 -Grain = 4 x 4 Num. species 40 rain = 8 x 8 Num. species 40 -Num. species

Birth rate-based categories: detection prob. = 0.7 Core **Transient** Num. Individuals Num. Individuals Num. individuals 800 600 400 200 3000 3000 2000 1000 $Grain = 16 \times 16$ Num. Individuals 15000 5000 5000

Temporal occupancy-based categories: detection prob. = 0.7 Core Transient Num. Individuals Num. Individuals Num. individuals 4000 3000 2000 1000 1000 Grain = 16 x 16 Num. individuals 10000 5000

Birth rate-based Core Species: detection prob. = 0.7 Classified Transient (by occupancy) Classified Core (by occupancy) Grain = 1 x 1 Num. species 20 -Grain = 2 x 2 Num. species 20 ain = 4 x 4 Num. species 20 - $= 8 \times 8$ Num. species 20 -Num. species

Birth rate-based Transient Species: detection prob. = 0.7



Birth rate-based categories: detection prob. = 0.6 Core Transient Grain = 1×1 Num. species 20 -Grain = 2 x 2 Num. species 20 rain = 4 x 4 Num. species 20 - $=8 \times 8$ Num. species 20 -Num. species

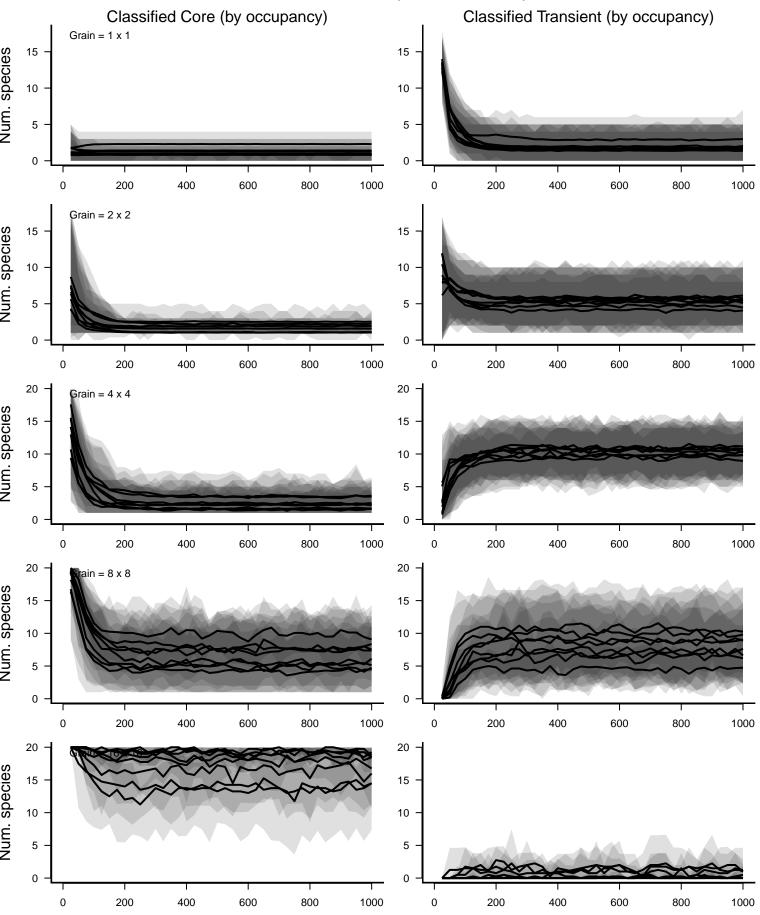
Temporal occupancy–based categories: detection prob. = 0.6 Core Transient Grain = 1×1 Num. species Grain = 2 x 2 Num. species 40 -Grain = 4 x 4 Num. species 40 rain = 8 x 8 Num. species 40 -Num. species

Birth rate-based categories: detection prob. = 0.6 Core **Transient** $Grain = 1 \times 1$ Num. individuals 250 -Num. Individuals Num. Individuals Num. individuals 3000 2000 1000 1000 Sland10000 5000 15000 - $Grain = 16 \times 16$

Temporal occupancy-based categories: detection prob. = 0.6 Core Transient Num. individuals 250 -Num. Individuals 1000 -Num. Individuals Num individuals 3000 2000 1000 1000 Num. individuals. 15000 -

Birth rate-based Core Species: detection prob. = 0.6 Classified Core (by occupancy) Classified Transient (by occupancy) Grain = 1 x 1 Num. species 20 -Grain = 2 x 2 Num. species 20 ain = 4 x 4 Num. species $= 8 \times 8$ Num. species 20 -Num. species

Birth rate-based Transient Species: detection prob. = 0.6



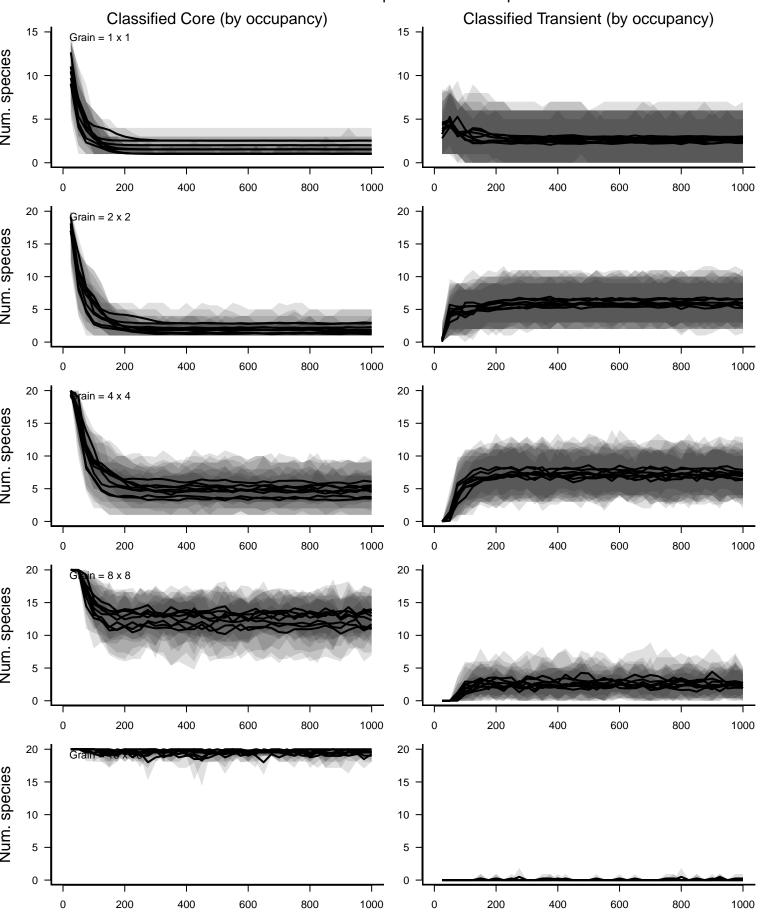
Birth rate-based categories: detection prob. = 0.5 Core Transient 15 -15 -Grain = 1 x 1 Num. species Grain = 2 x 2 Num. species 20 -Frain = 4 x 4 Num. species $ain = 8 \times 8$ Num. species 20 -Num. species

Temporal occupancy-based categories: detection prob. = 0.5 Core Transient 15 -15 -Grain = 1 x 1 Num. species Grain = 2 x 2 Num. species Grain = 4 x 4 Num. species 40 rain = 8 x 8 Num. species 40 -Num. species

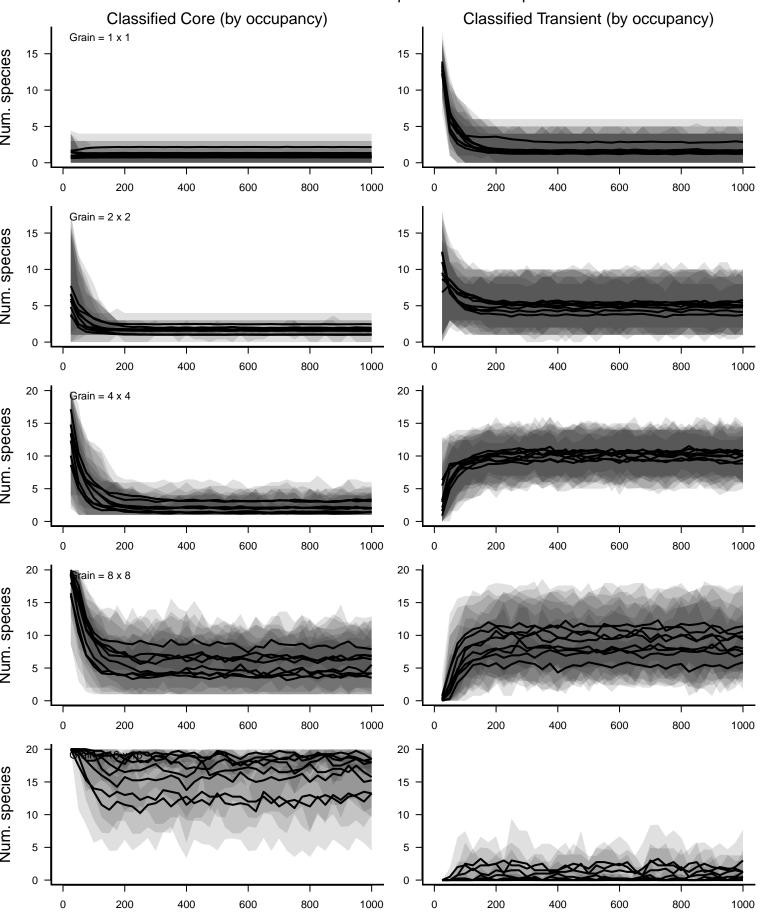
Birth rate-based categories: detection prob. = 0.5 **Transient** Core $Grain = 1 \times 1$ Num. Individuals Num. Individuals 800 -2500 2000 1500 1000 500 8000 8000 6000 4000 2000 $Grain = 16 \times 16$

Temporal occupancy-based categories: detection prob. = 0.5 Core Transient $Grain = 1 \times 1$ Num. Individuals Num. Individuals Num. Individuals 2500 2000 1500 1000 500 8000 and 10000 and 100000 and 10000 and 100000 and 10000 and 10000 and 10000 and 10000 and 10000 and 10000

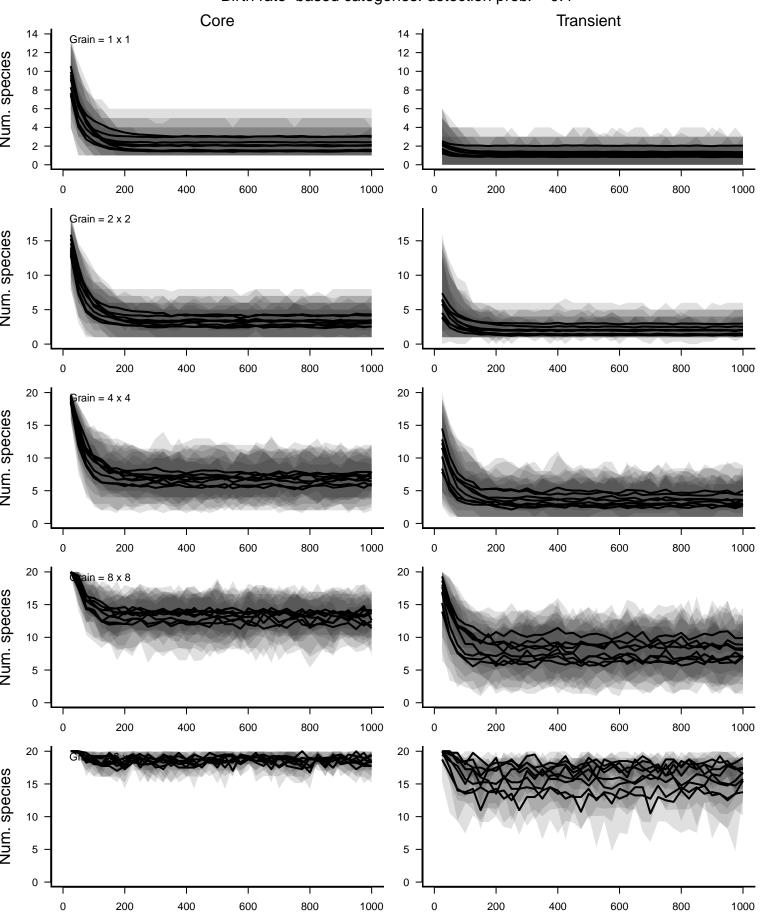
Birth rate-based Core Species: detection prob. = 0.5



Birth rate-based Transient Species: detection prob. = 0.5

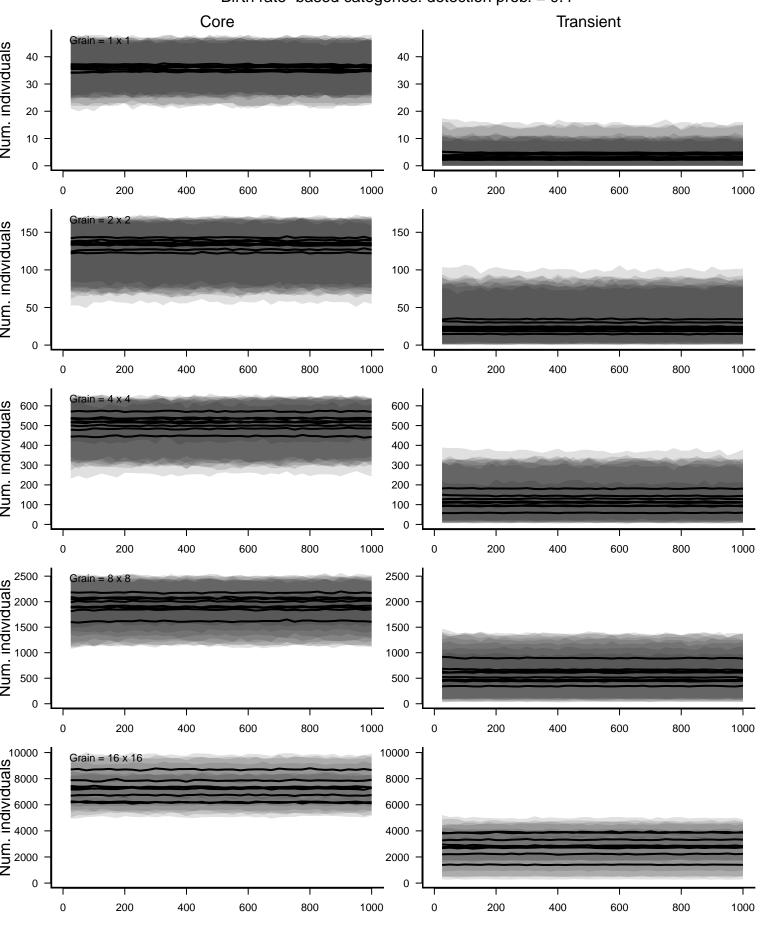


Birth rate-based categories: detection prob. = 0.4



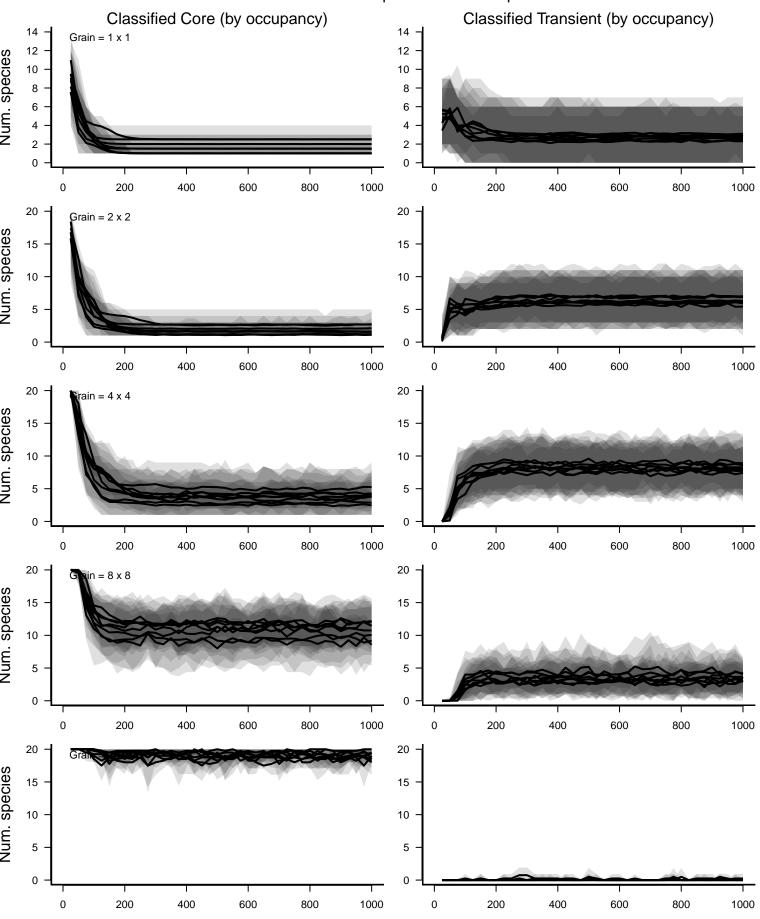
Temporal occupancy-based categories: detection prob. = 0.4 Transient Core 14 -Grain = 1 x 1 Num. species Grain = 2 x 2 Num. species Grain = 4×4 Num. species 40 -Grain = 8 x 8 Num. species 10 -40 -Num. species

Birth rate-based categories: detection prob. = 0.4

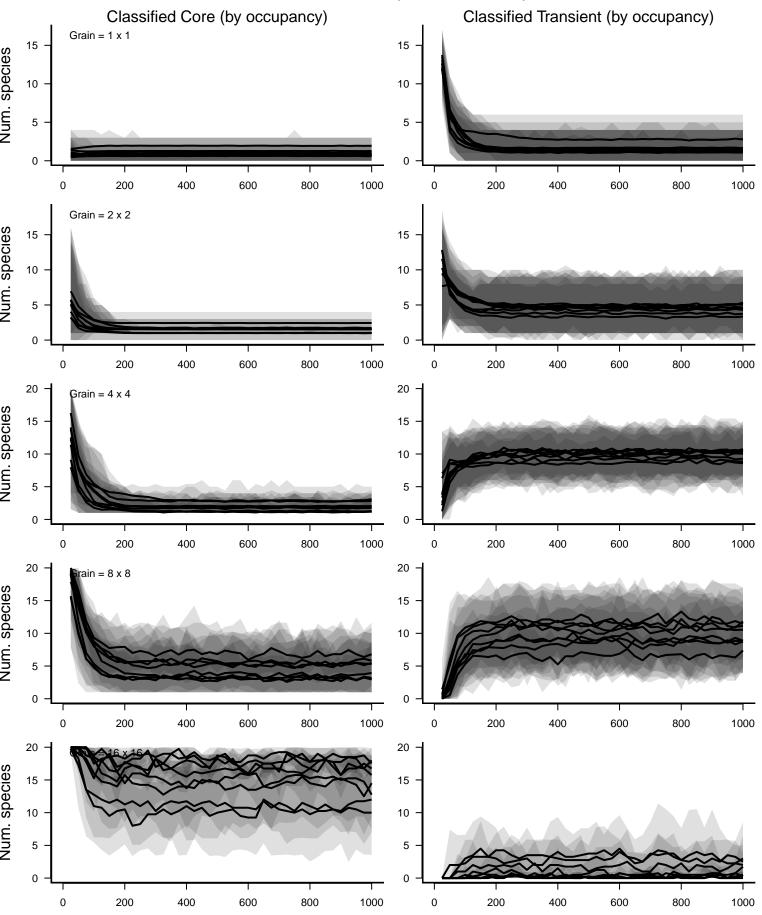


Temporal occupancy-based categories: detection prob. = 0.4 Core **Transient** $Grain = 1 \times 1$ Num. Individuals Num. Individuals 2000 1500 1000 500 Num. Individuals 8000 6000 4000 2000

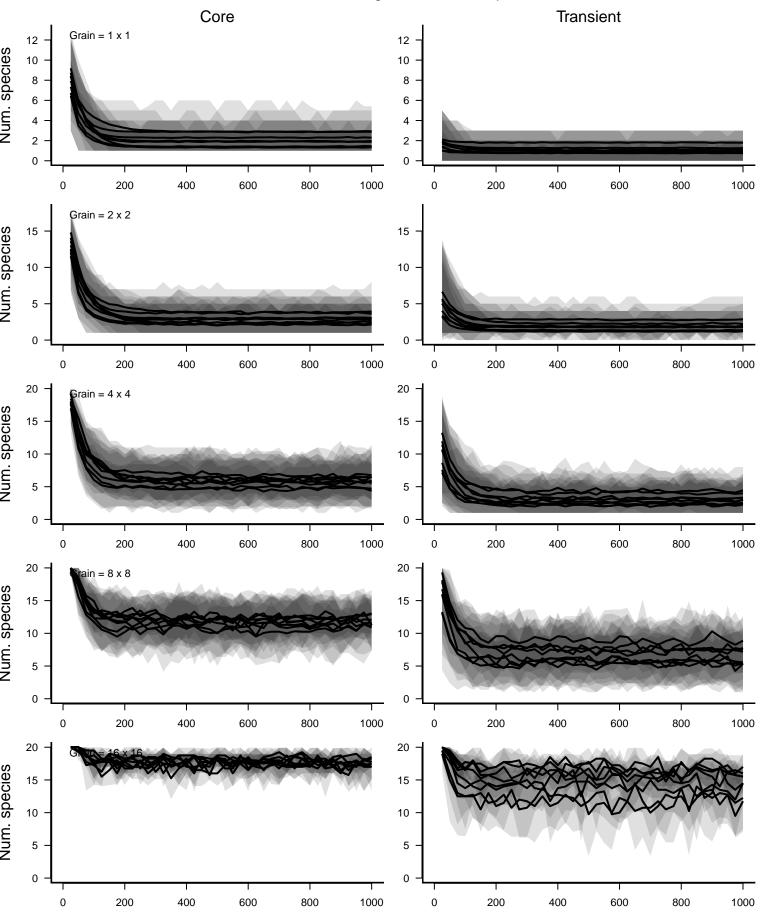
Birth rate-based Core Species: detection prob. = 0.4



Birth rate-based Transient Species: detection prob. = 0.4

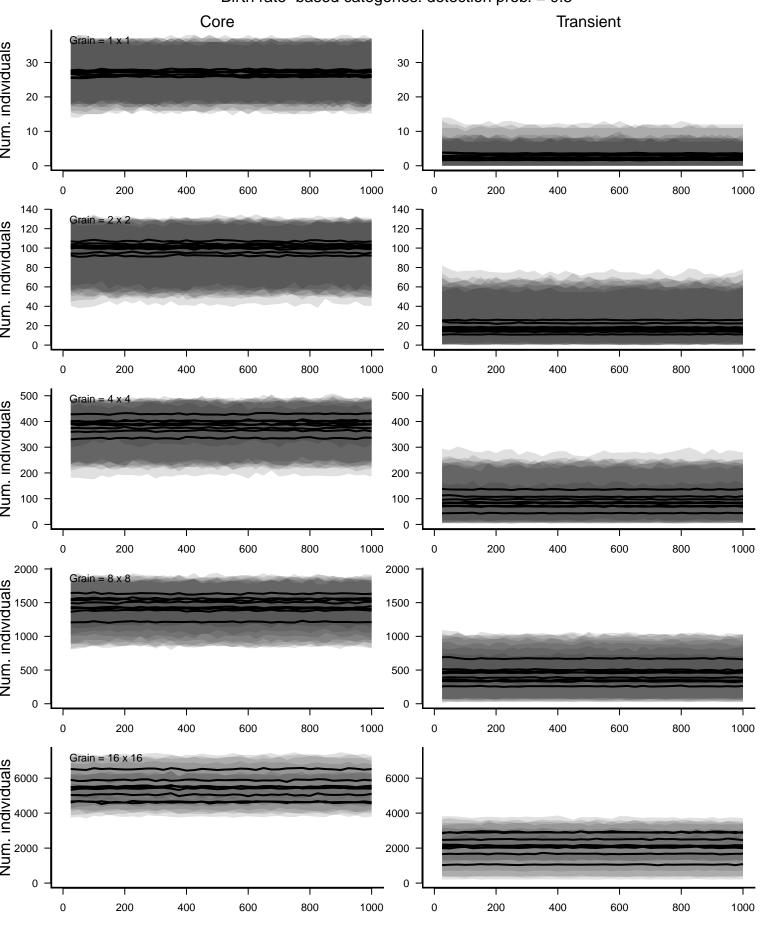


Birth rate-based categories: detection prob. = 0.3



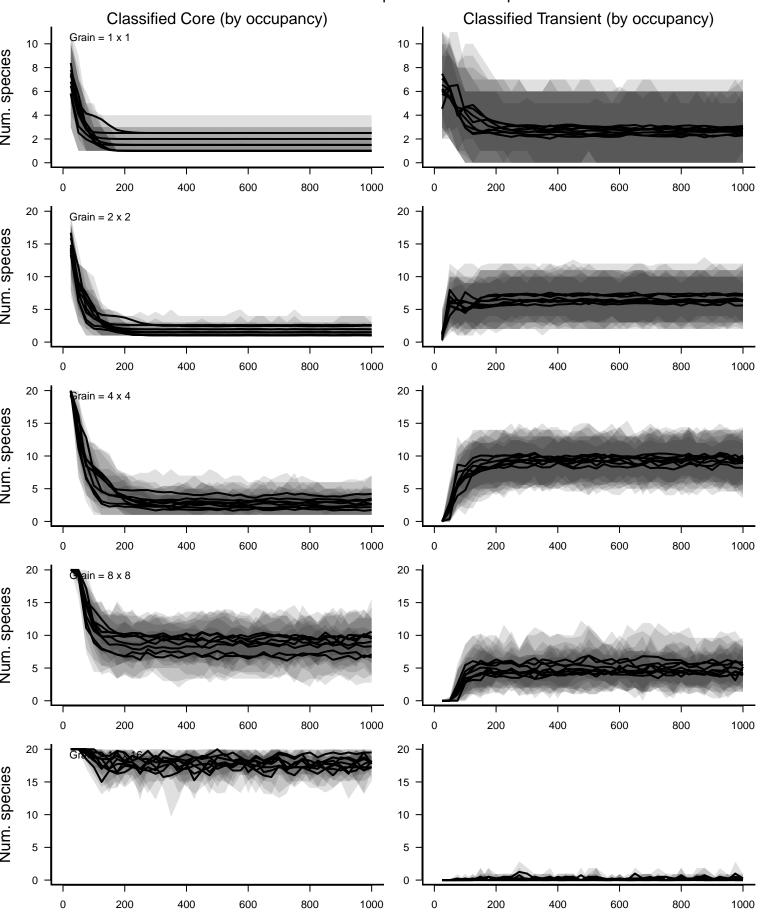
Temporal occupancy-based categories: detection prob. = 0.3 Transient Core 12 -12 -Grain = 1×1 Num. species 25 -Grain = 2 x 2 Num. species Grain = 4×4 Num. species 40 -Grain = 8 x 8 Num. species 10 -40 in = 16 x 16 Num. species

Birth rate-based categories: detection prob. = 0.3

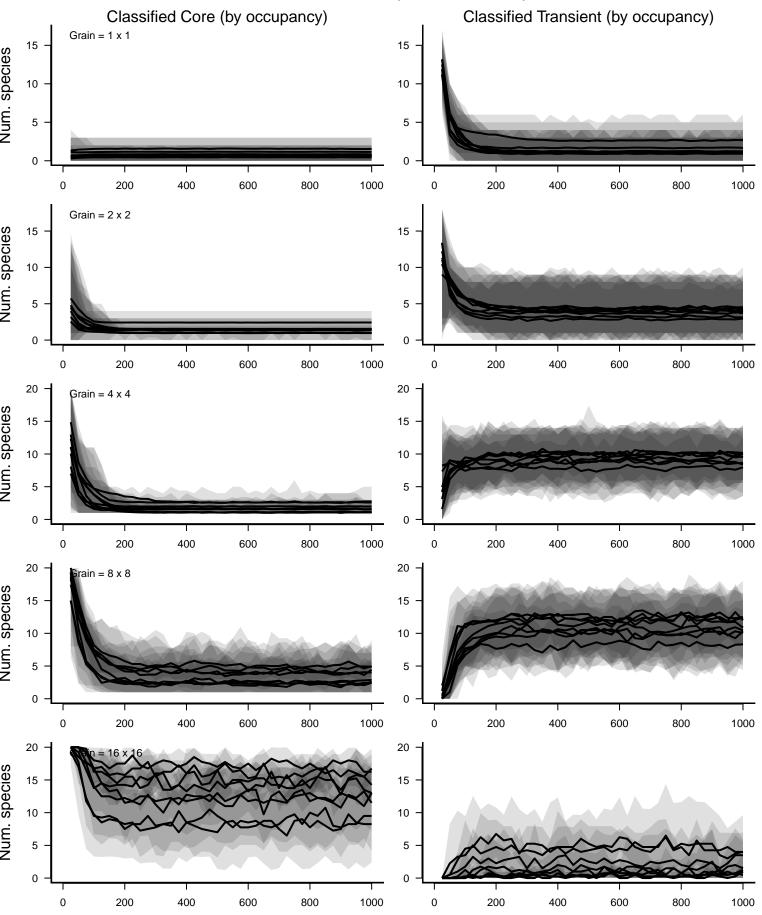


Temporal occupancy-based categories: detection prob. = 0.3 Core Transient Grain = 1×1 Num. Individuals Num. Individuals Num. individuals 2000 -Num. 1500 1500 1000 500 9000 and 1000 and 100

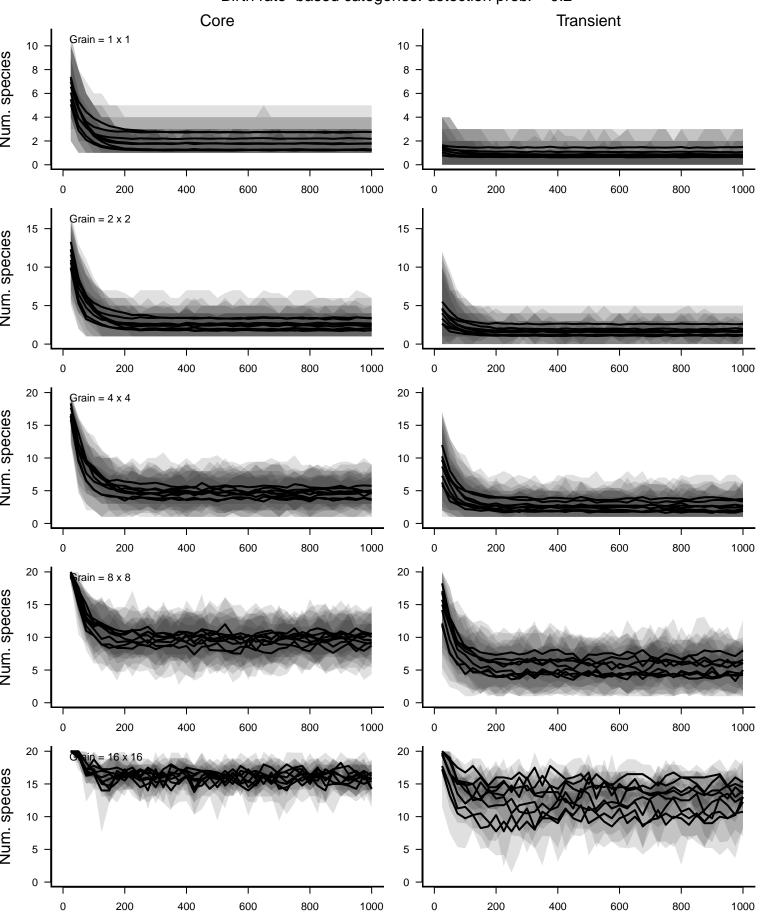
Birth rate-based Core Species: detection prob. = 0.3



Birth rate-based Transient Species: detection prob. = 0.3

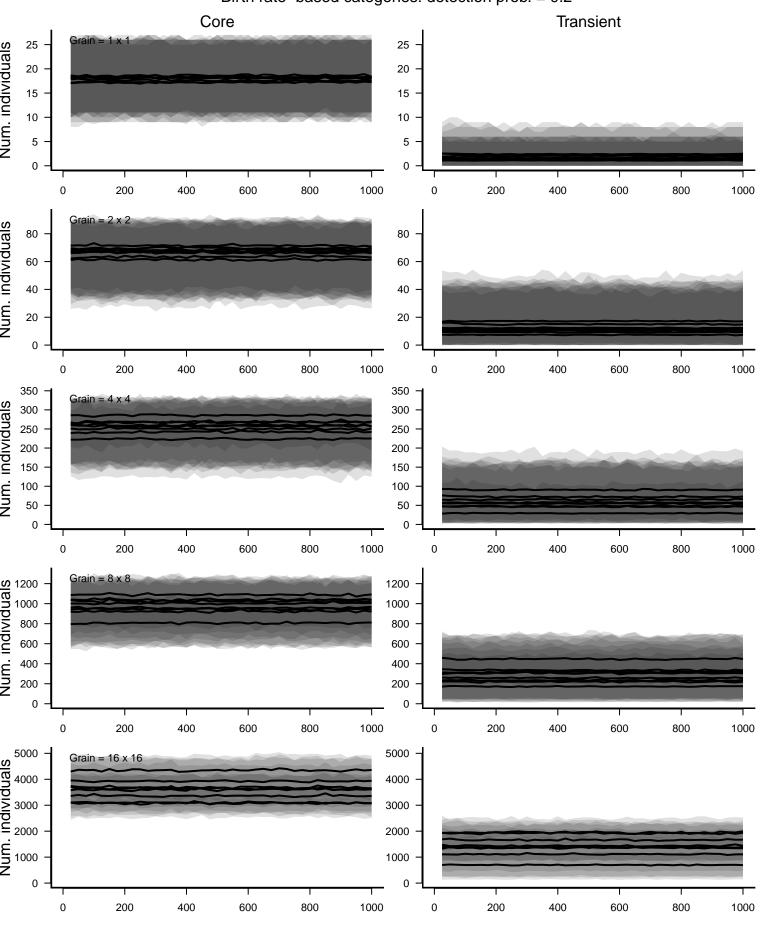


Birth rate-based categories: detection prob. = 0.2



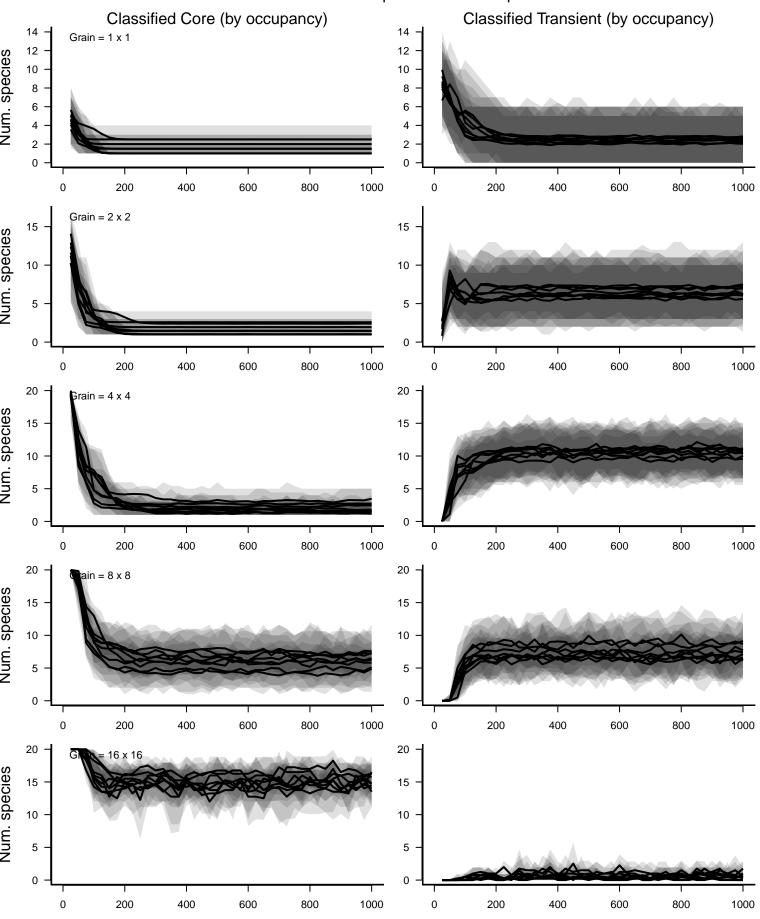
Temporal occupancy-based categories: detection prob. = 0.2 Transient Core 8 -Grain = 1 x 1 Num. species 20 -Grain = 2 x 2 Num. species Grain = 4×4 Num. species 40 -Grain = 8 x 8 Num. species 10 -40 $ain = 16 \times 16$ Num. species

Birth rate-based categories: detection prob. = 0.2

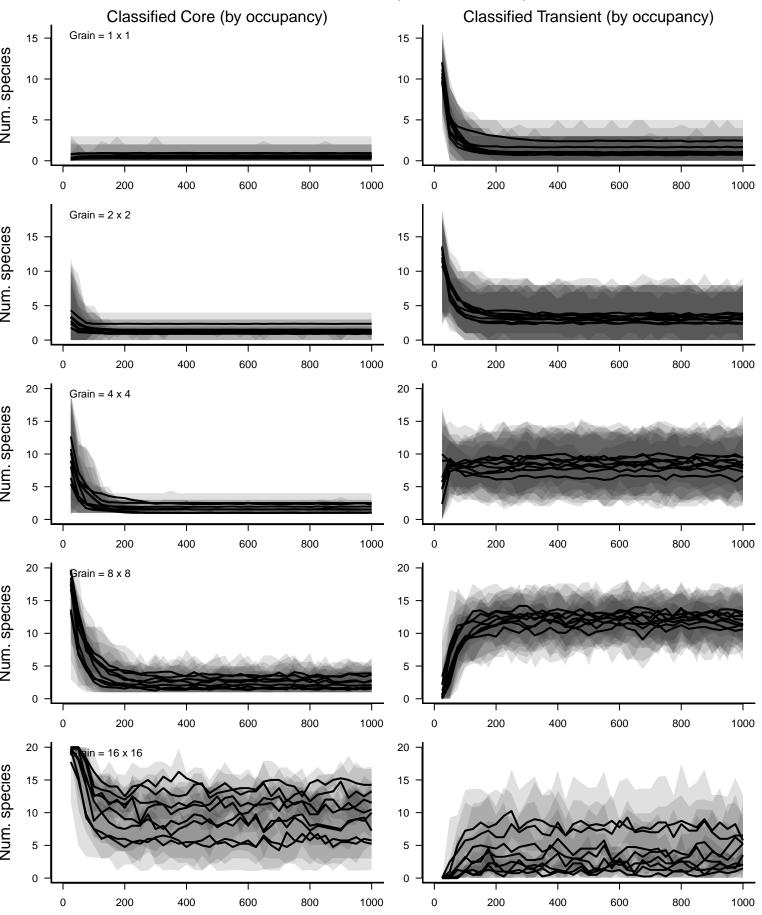


Temporal occupancy-based categories: detection prob. = 0.2 Transient Core Grain = 1×1 Num. Individuals $Grain = 2 \times 2$ Num. Individuals 350 -Num. Individuals Nam. Individuals 1200 1000 800 600 400 200 5000 4000 3000 2000 1000 1000

Birth rate-based Core Species: detection prob. = 0.2

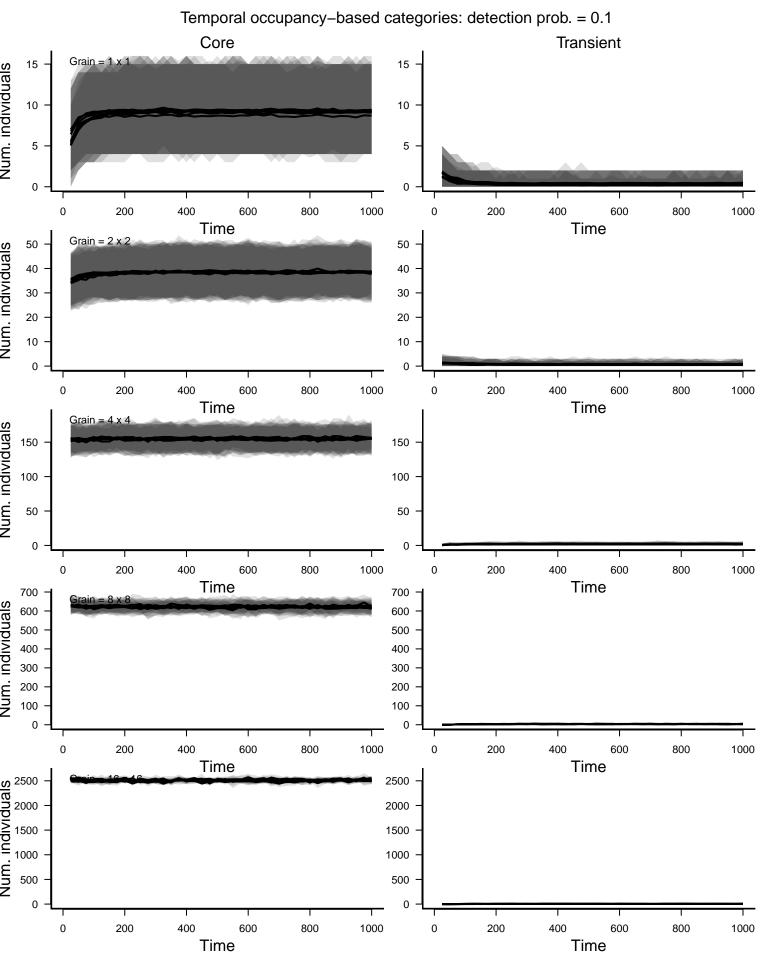


Birth rate-based Transient Species: detection prob. = 0.2



Temporal occupancy-based categories: detection prob. = 0.1 Core **Transient** Grain = 1×1 Num. species Time Time Grain = 2×2 12 -12 -Num. species Time Time Grain = 4×4 Num. species Time Time Grain = 8 x 8 Num. species Time Time 40 - $ain = 16 \times 16$ Num. species 10 -Time Time

Birth rate-based categories: detection prob. = 0.1 **Transient** Core Grain = 1×1 Num. Individuals Time Time Grain = 2×2 50 -Num. Individuals Time Time Grain = 4 x 4 Num. Individuals Time Time Grain = 8 x 8 Num. Individuals Time Time 2000 1500 1000 500 2500 - $Grain = 16 \times 16$ Time Time



Birth rate-based Core Species: detection prob. = 0.1 Classified Core (by occupancy) Classified Transient (by occupancy) Grain = 1×1 Num. species Time Time 14 -Grain = 2×2 Num. species Time Time 20 -Grain = 4 x 4 Num. species Time Time 20 rain = 8 x 8 Num. species Time Time 20 n = 16 x 16 Num. species

Time

Time

Birth rate-based Transient Species: detection prob. = 0.1

