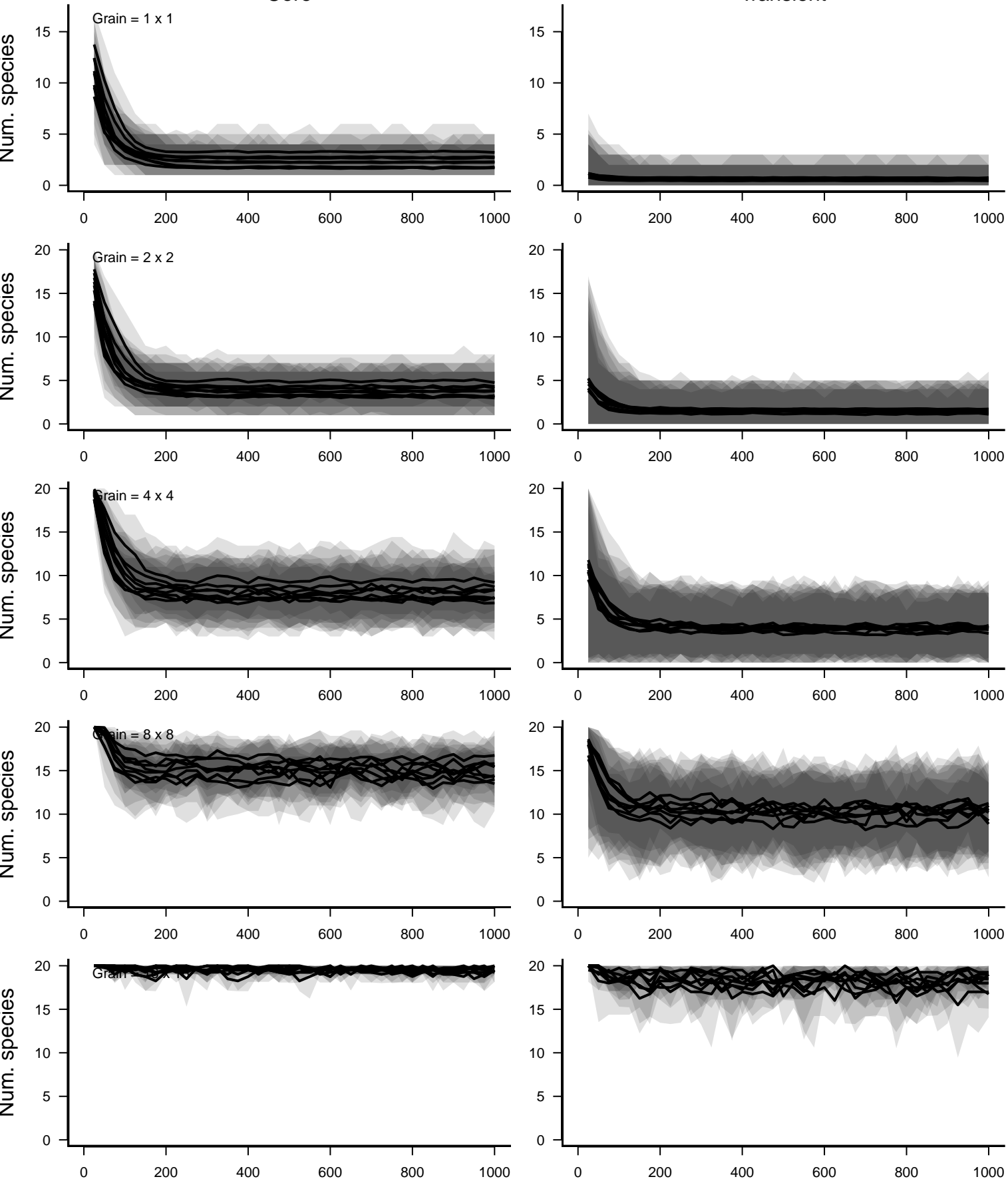


Birth rate–based categories: detection prob. = 1

Core

Transient

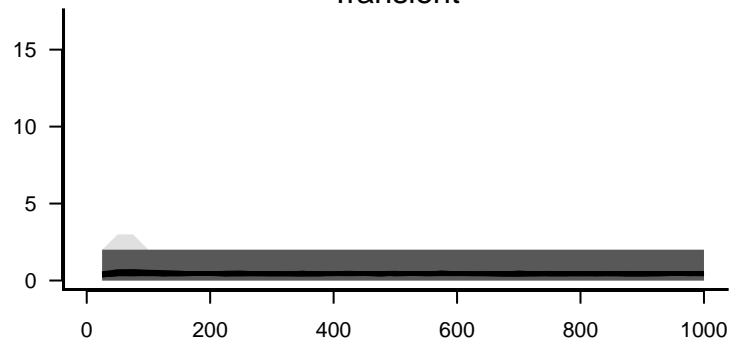
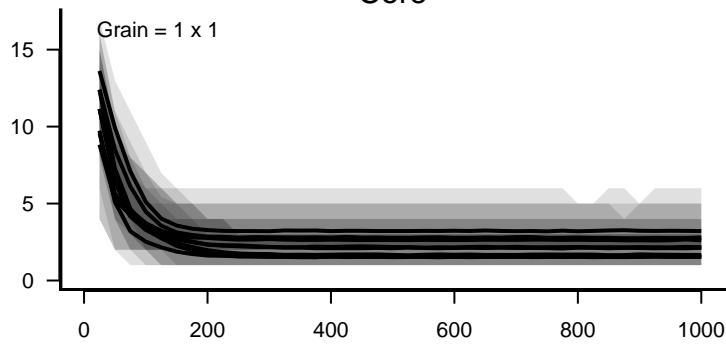


Temporal occupancy-based categories: detection prob. = 1

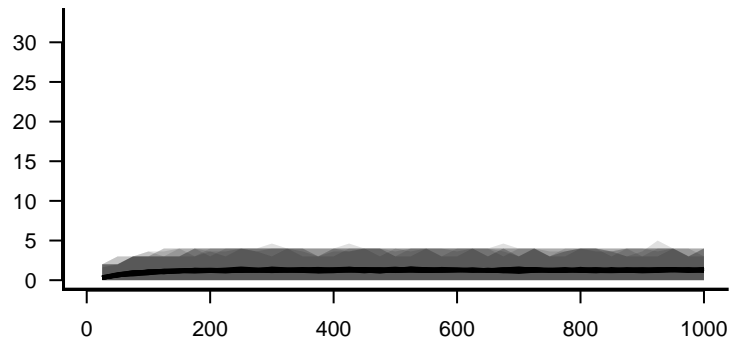
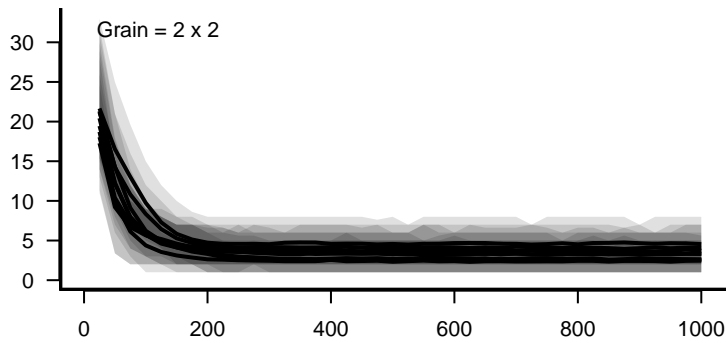
Core

Transient

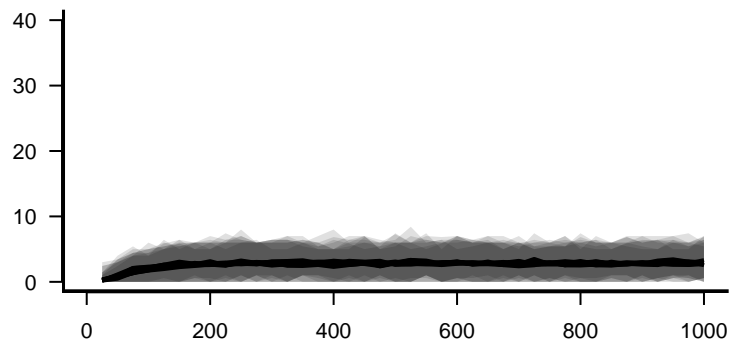
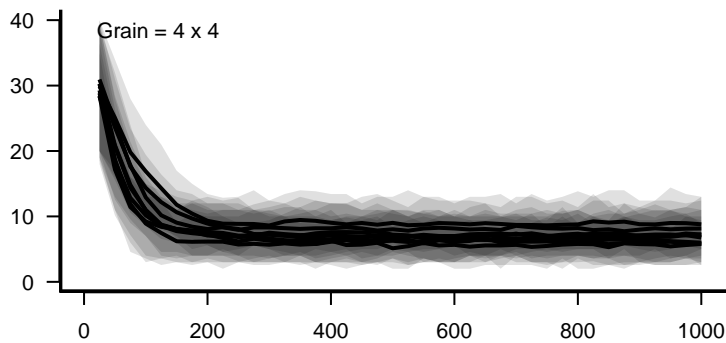
Num. species



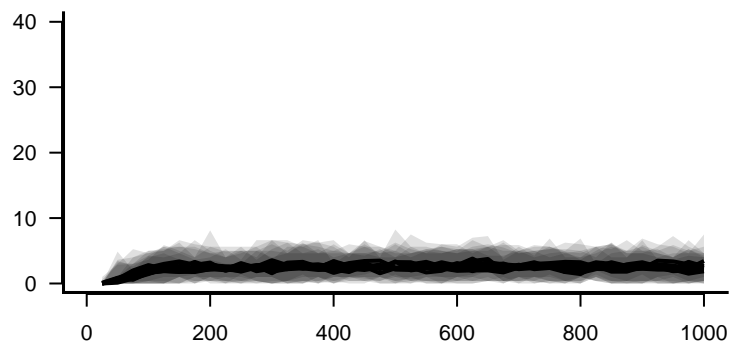
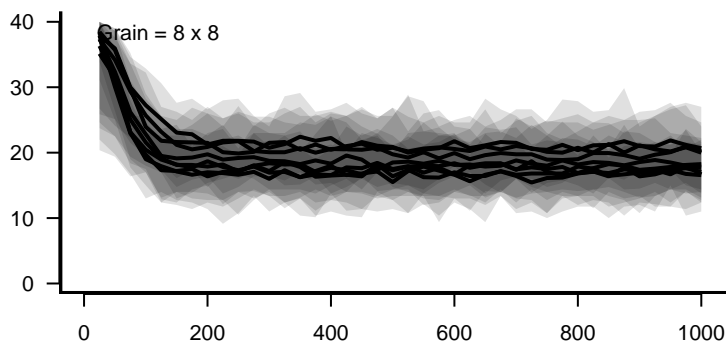
Num. species



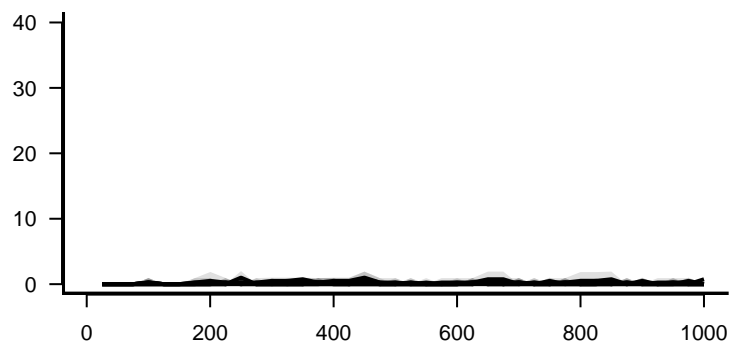
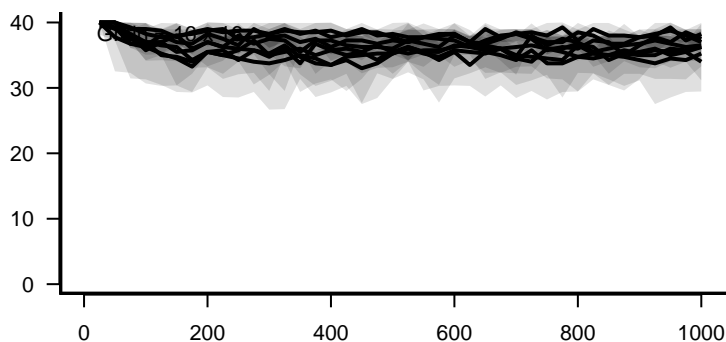
Num. species



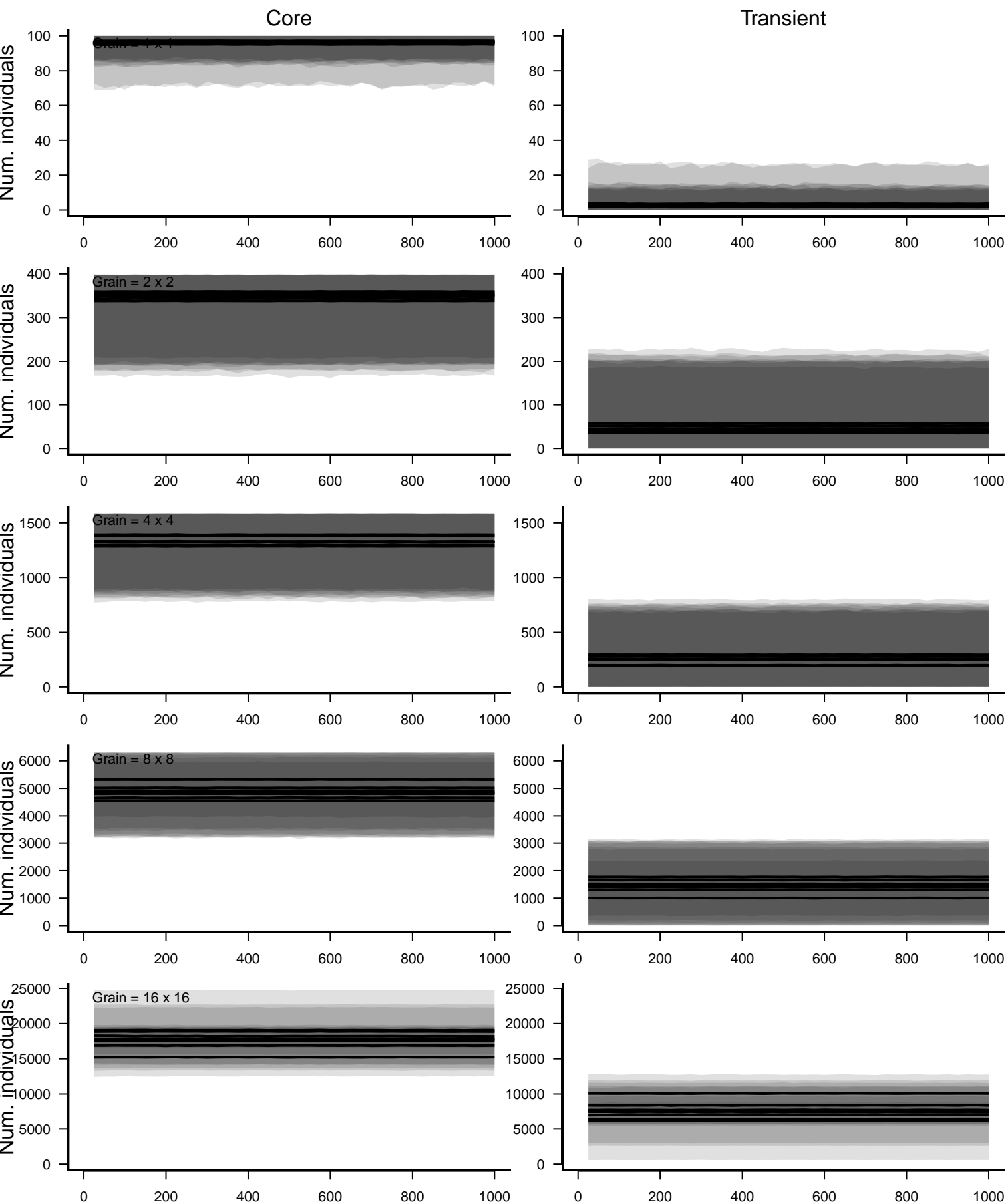
Num. species



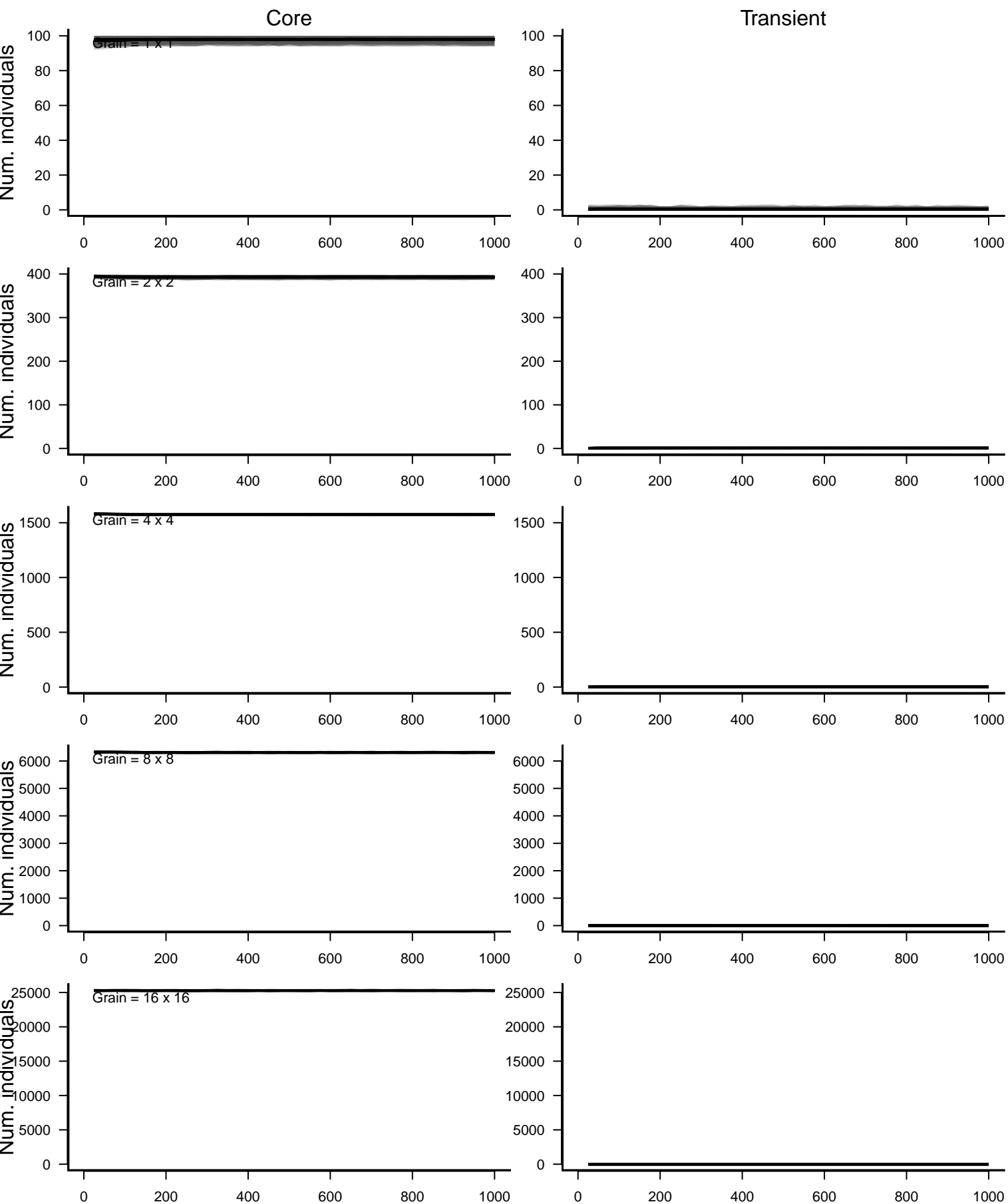
Num. species



Birth rate–based categories: detection prob. = 1

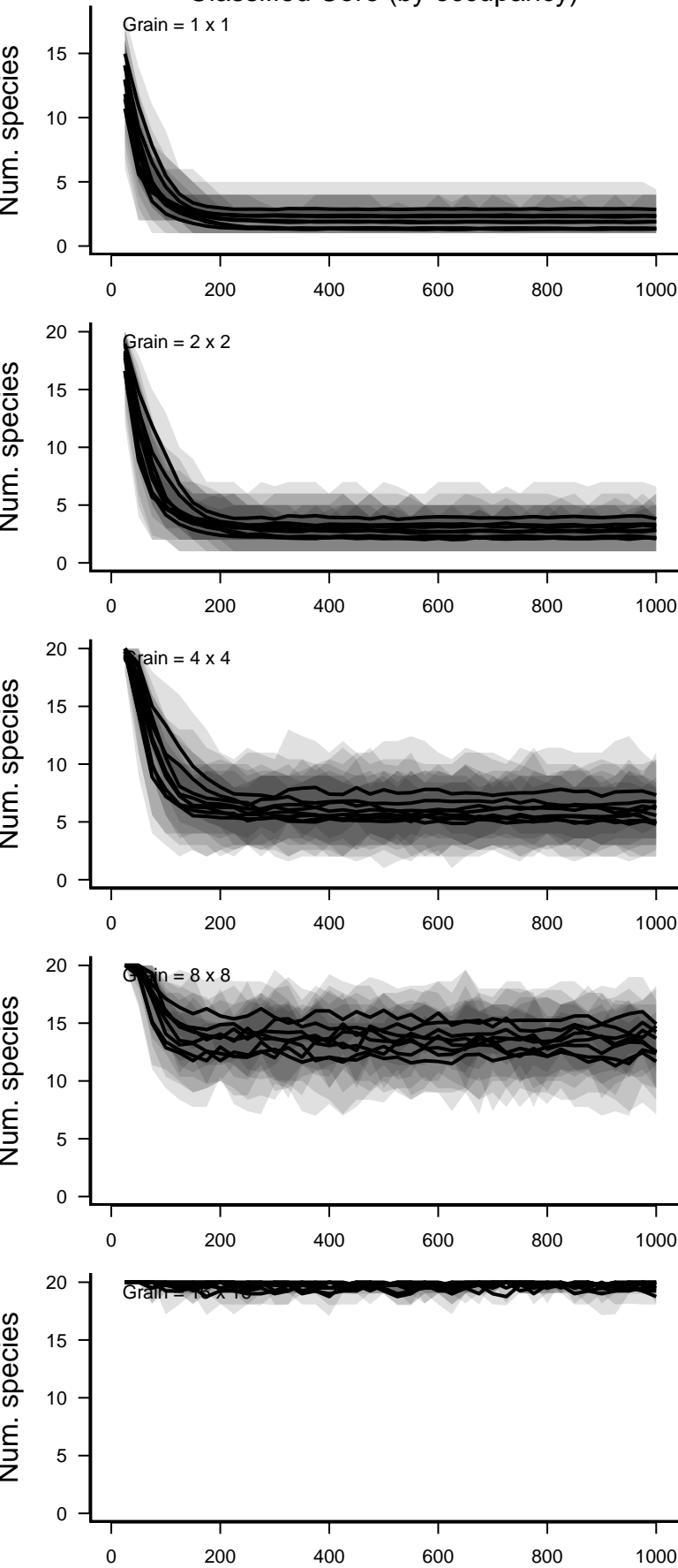


Temporal occupancy-based categories: detection prob. = 1

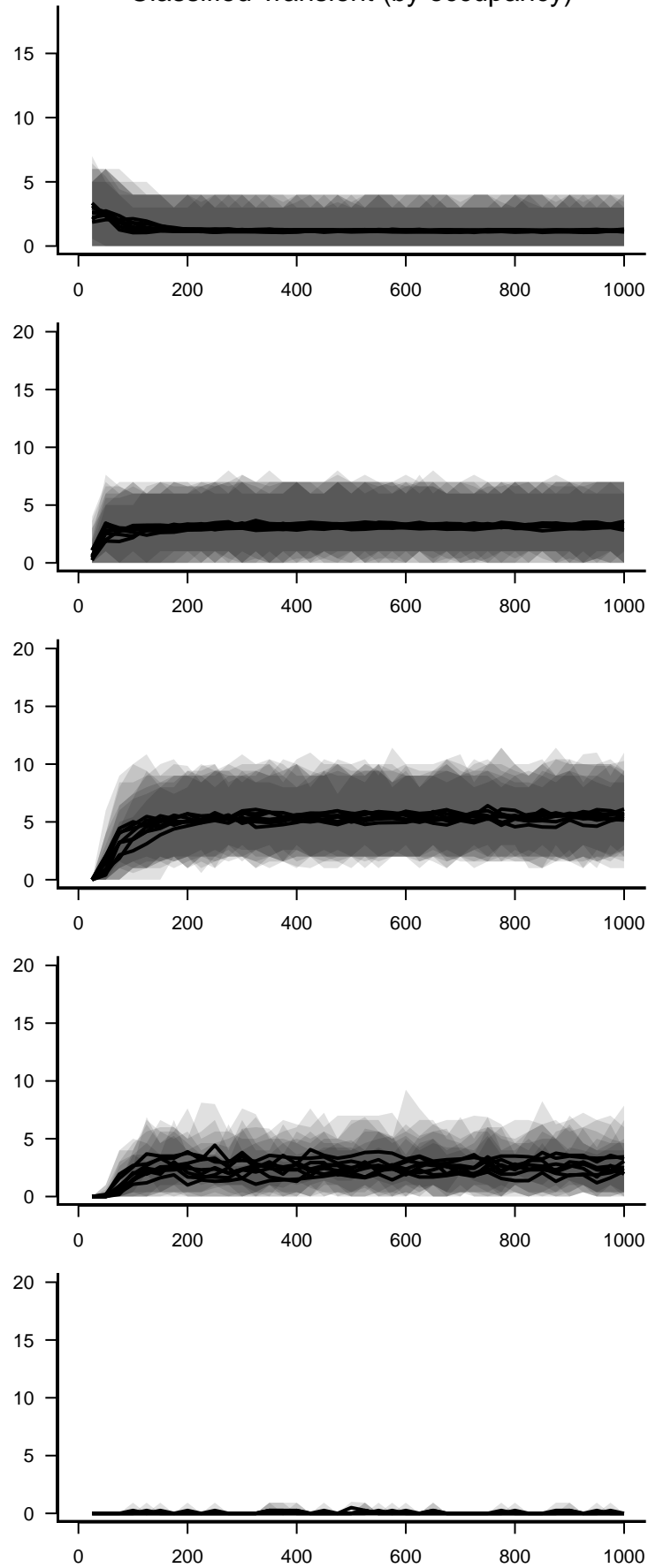


Birth rate–based Core Species: detection prob. = 1

Classified Core (by occupancy)

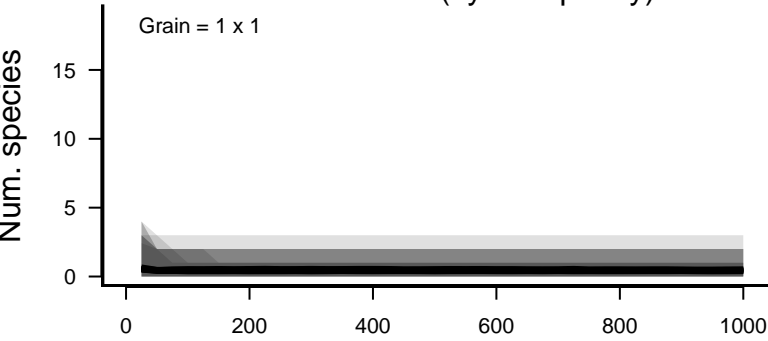


Classified Transient (by occupancy)

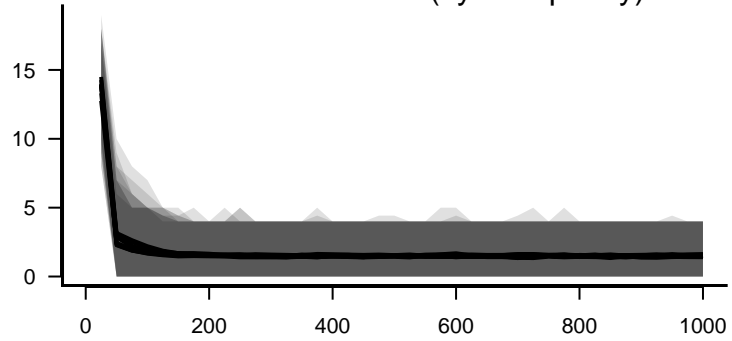


Birth rate–based Transient Species: detection prob. = 1

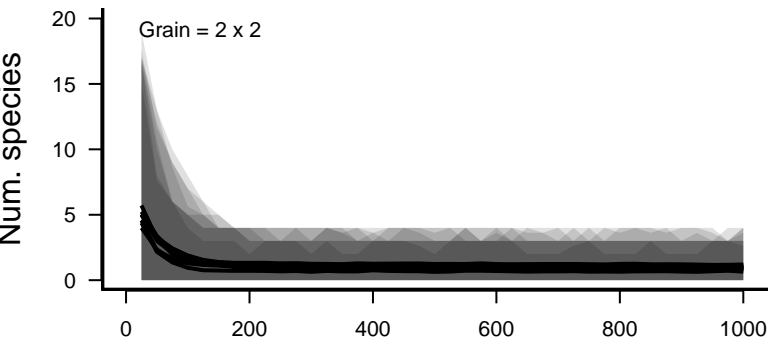
Classified Core (by occupancy)



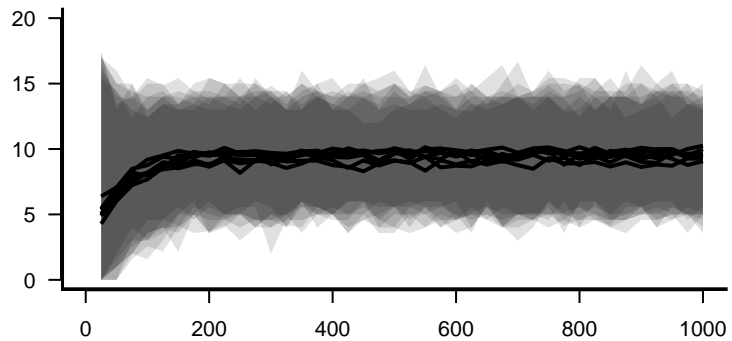
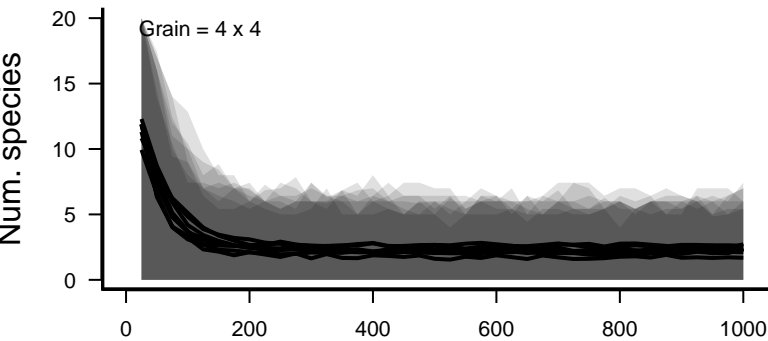
Classified Transient (by occupancy)



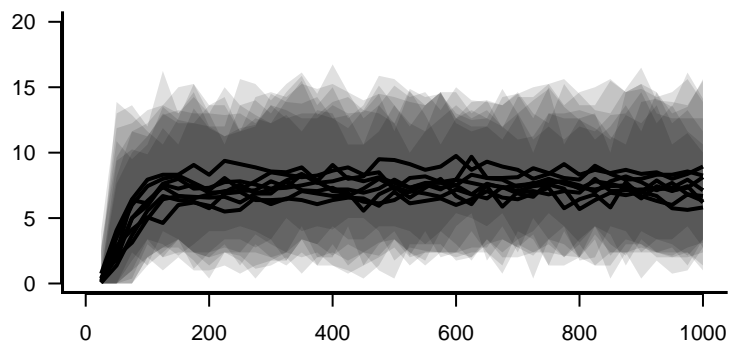
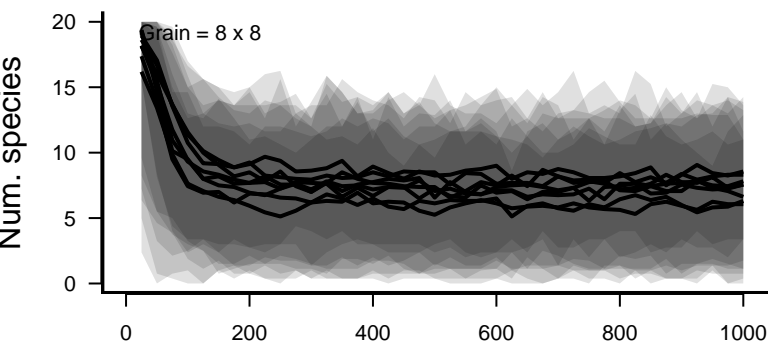
Grain = 2 x 2



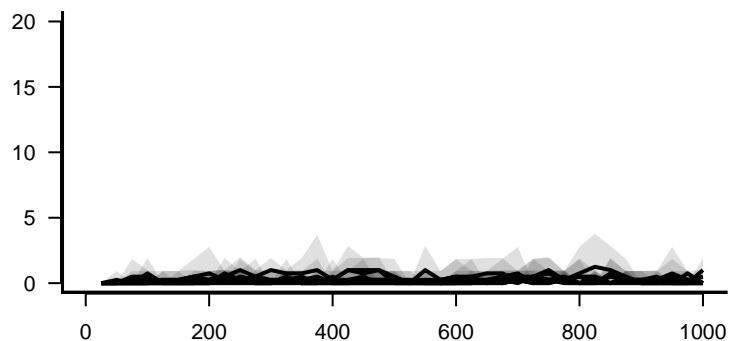
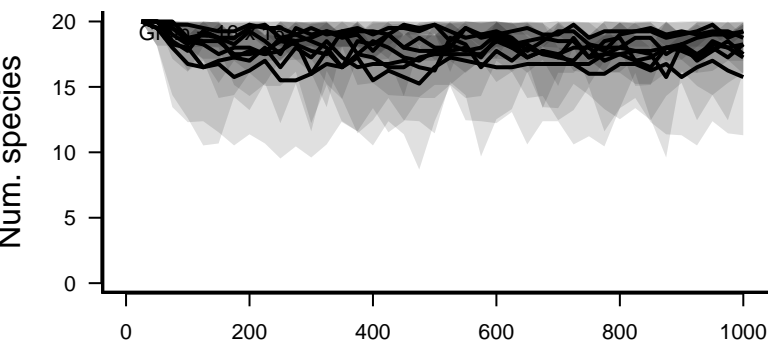
Grain = 4 x 4



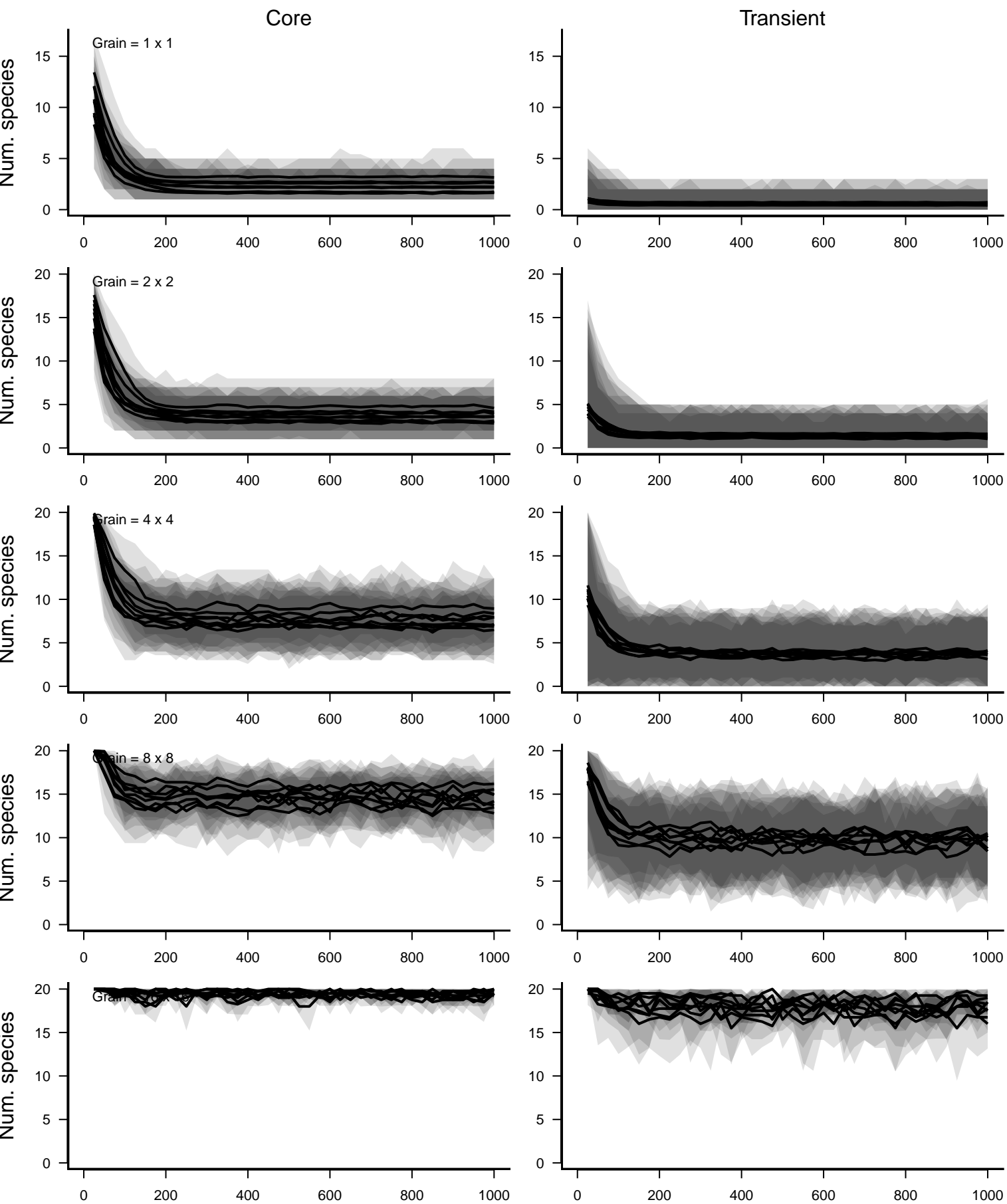
Grain = 8 x 8



~~GI 2-10A~~



Birth rate–based categories: detection prob. = 0.9

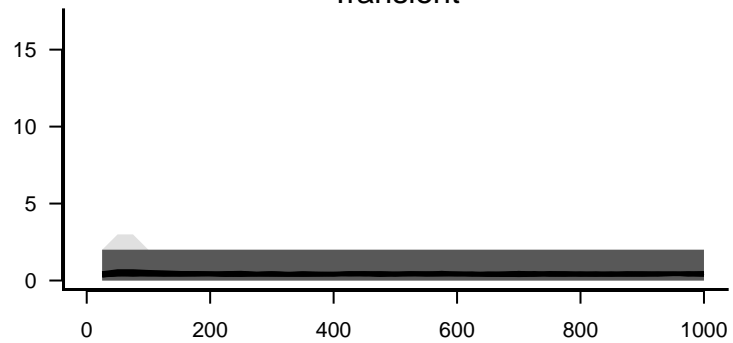
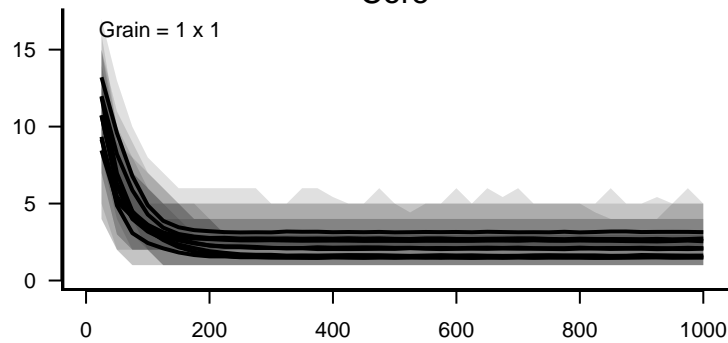


Temporal occupancy-based categories: detection prob. = 0.9

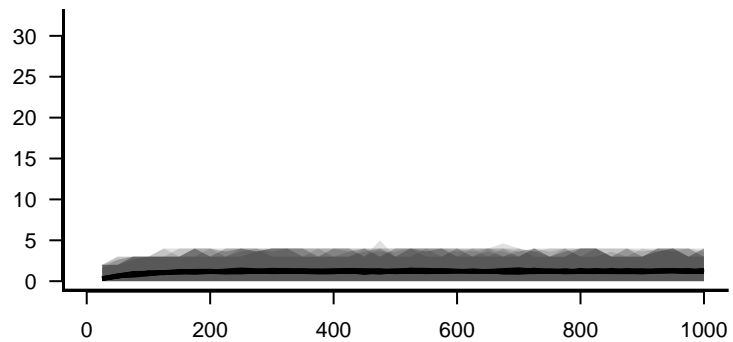
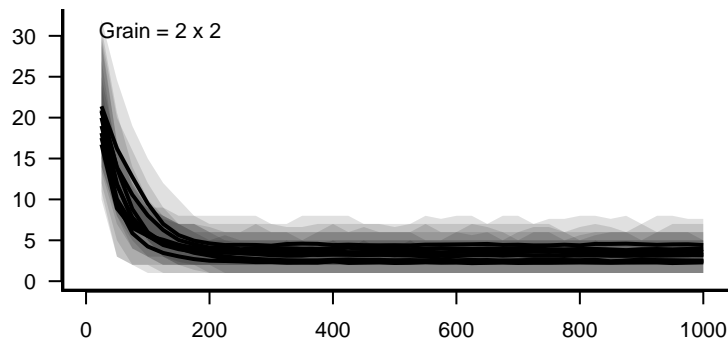
Core

Transient

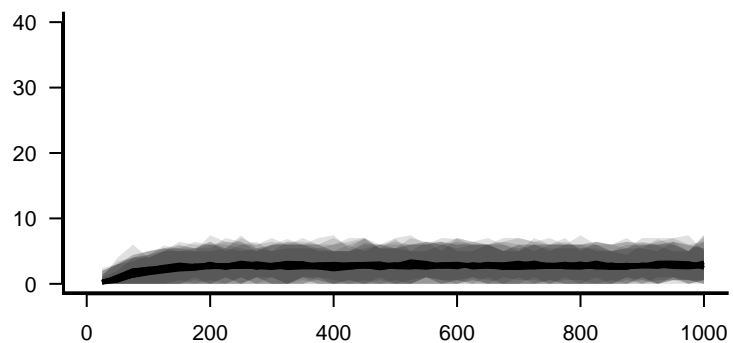
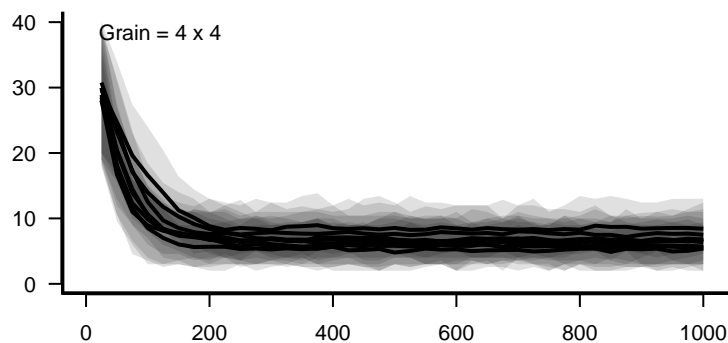
Num. species



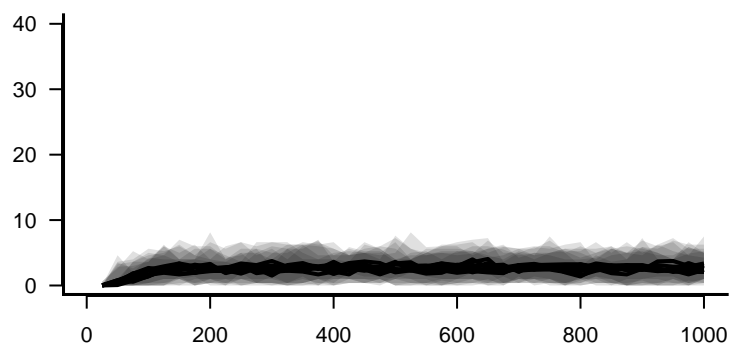
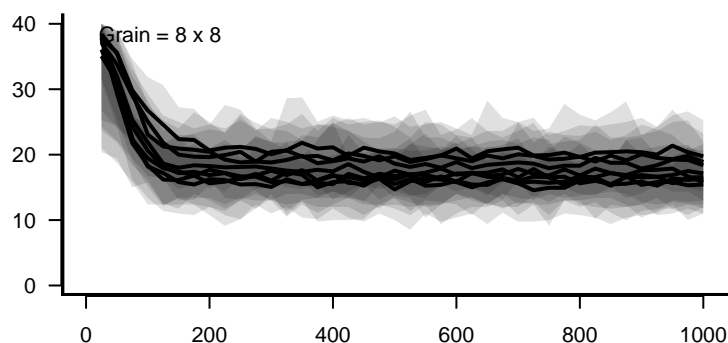
Num. species



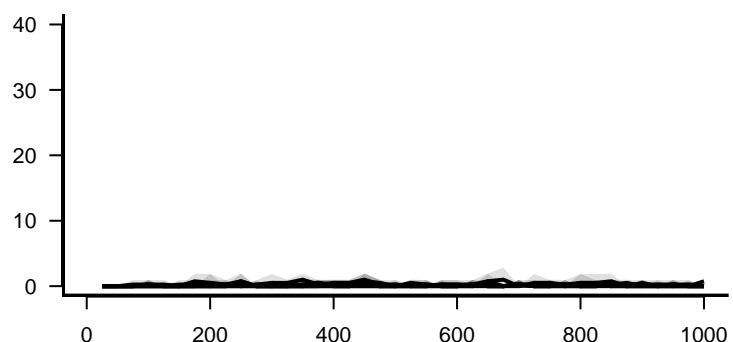
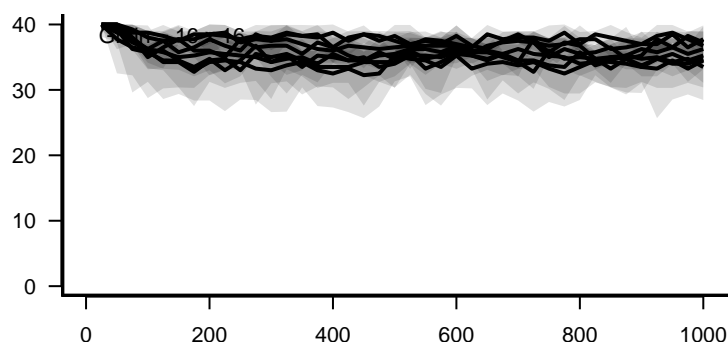
Num. species



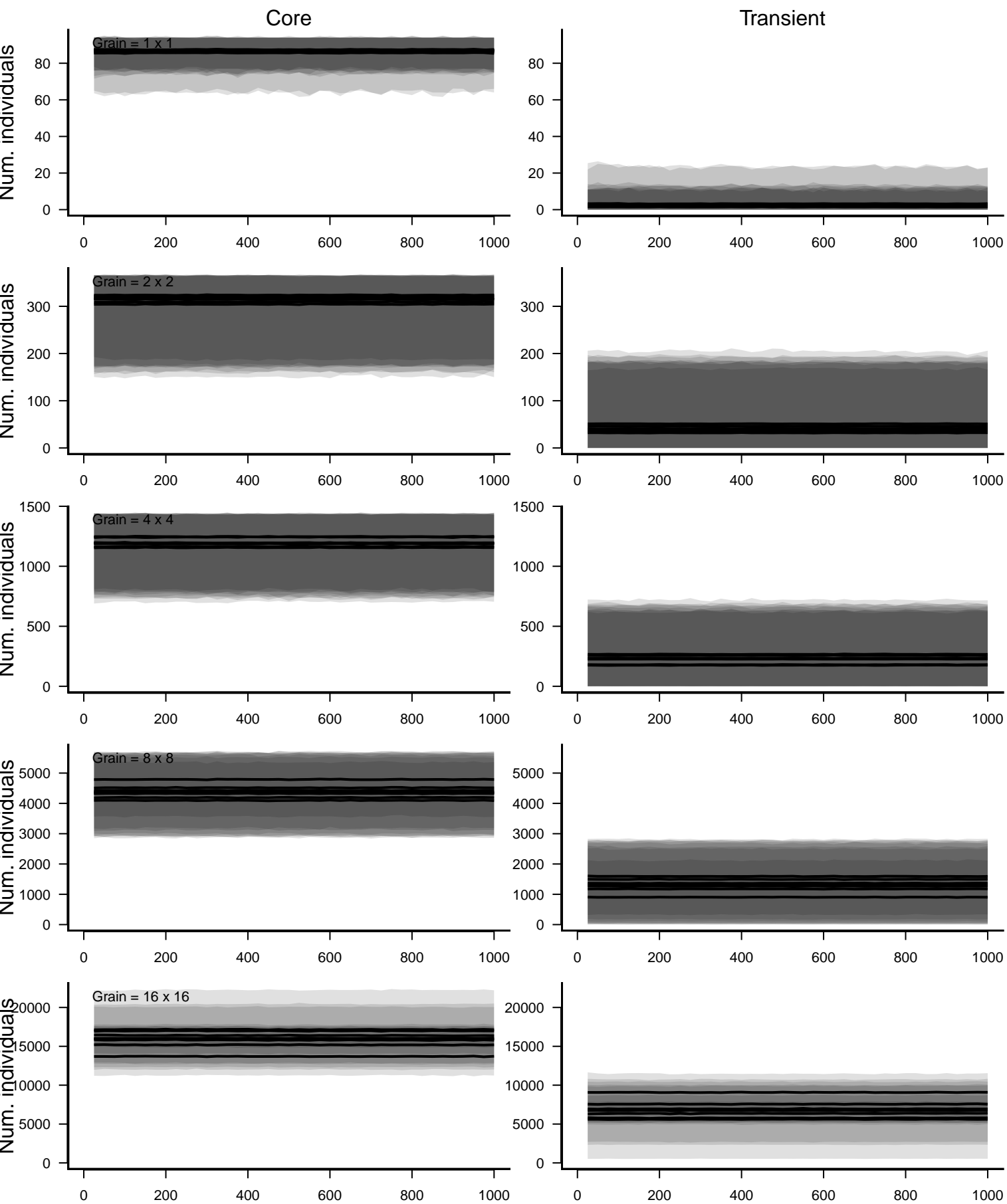
Num. species



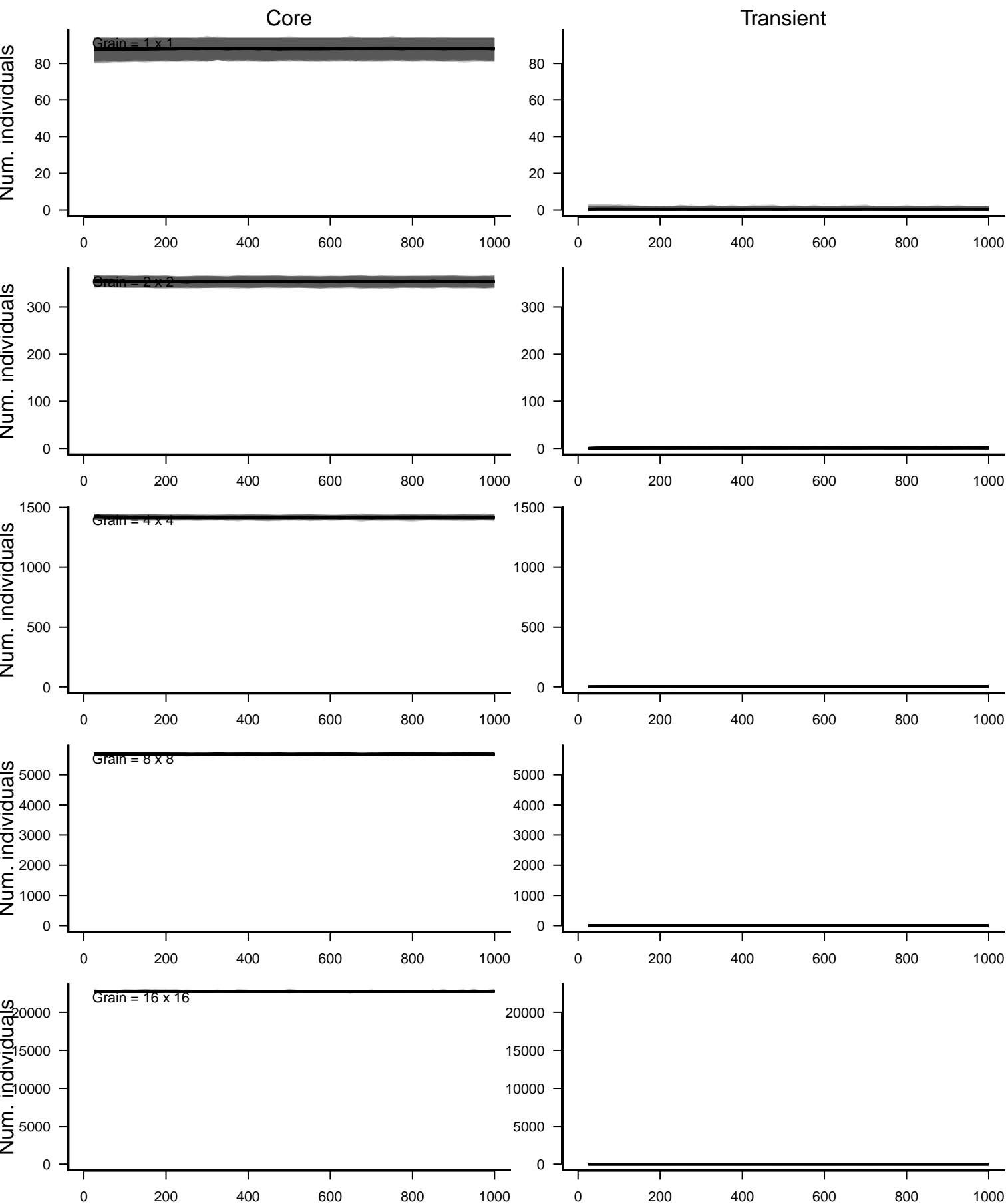
Num. species



Birth rate–based categories: detection prob. = 0.9

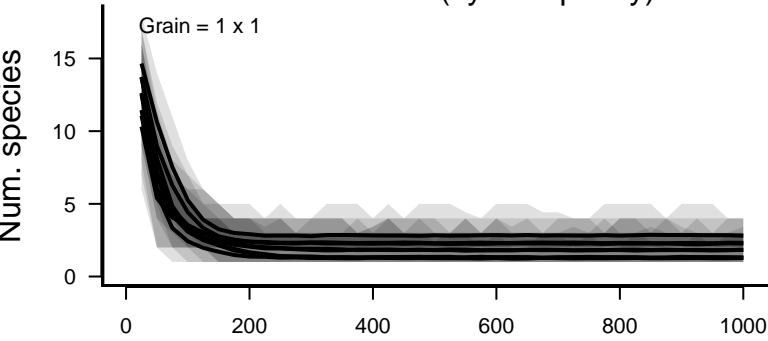


Temporal occupancy-based categories: detection prob. = 0.9

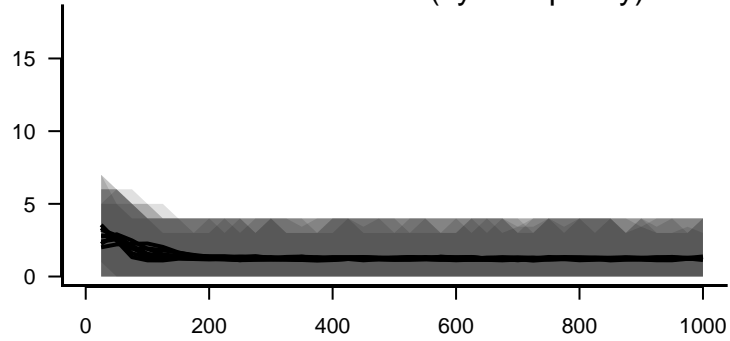


Birth rate–based Core Species: detection prob. = 0.9

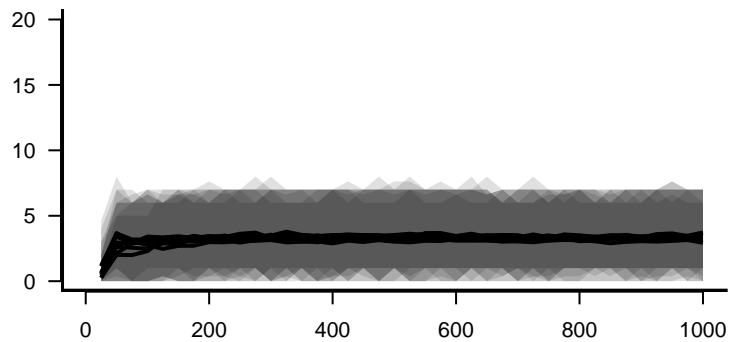
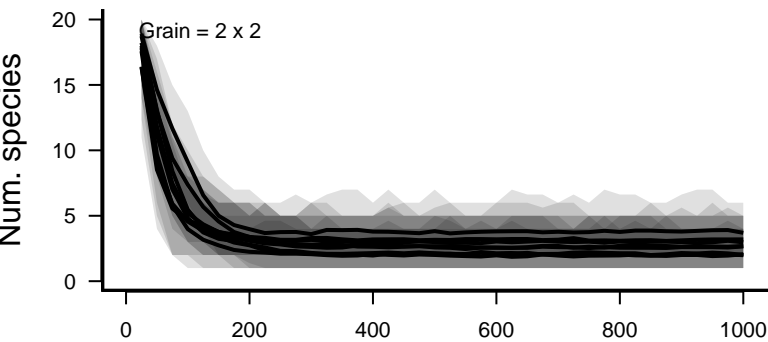
Classified Core (by occupancy)



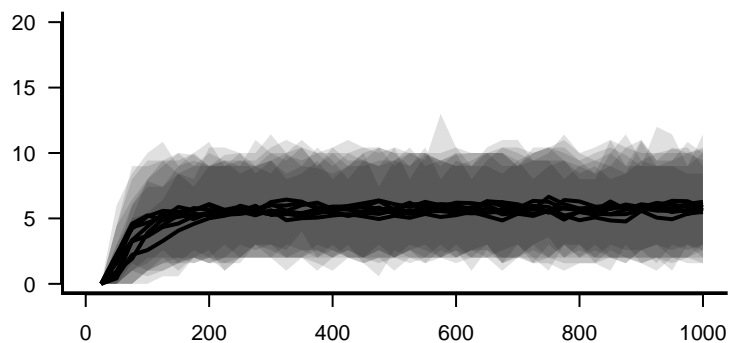
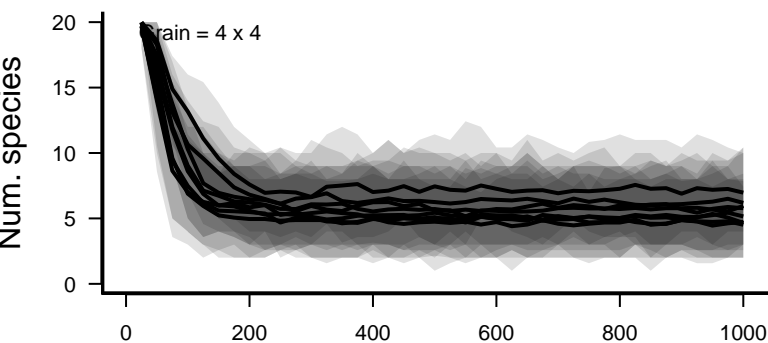
Classified Transient (by occupancy)



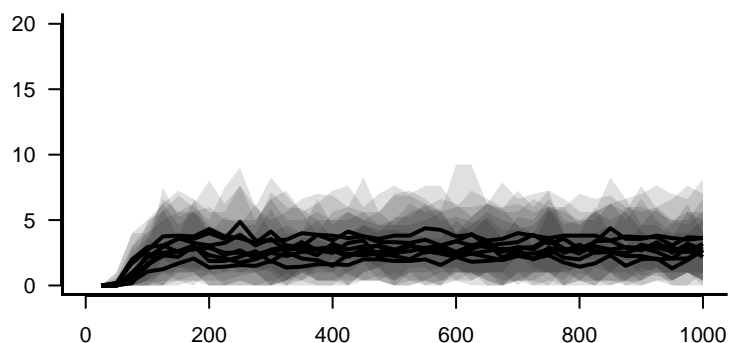
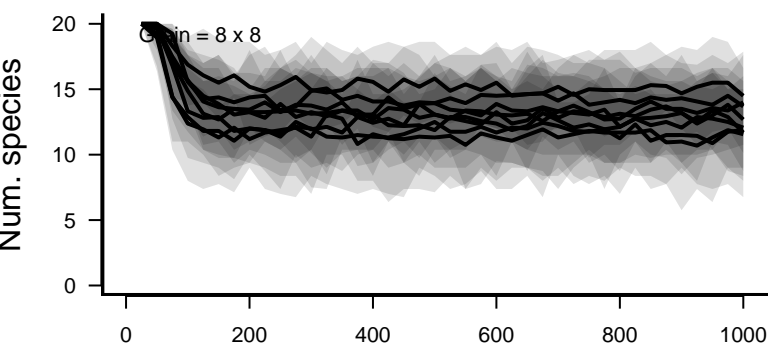
Num. species



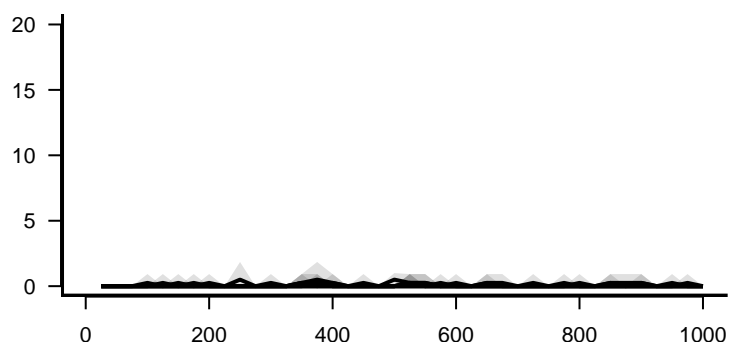
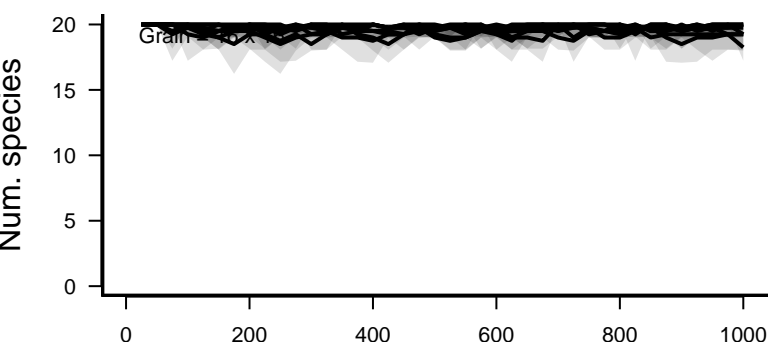
Num. species



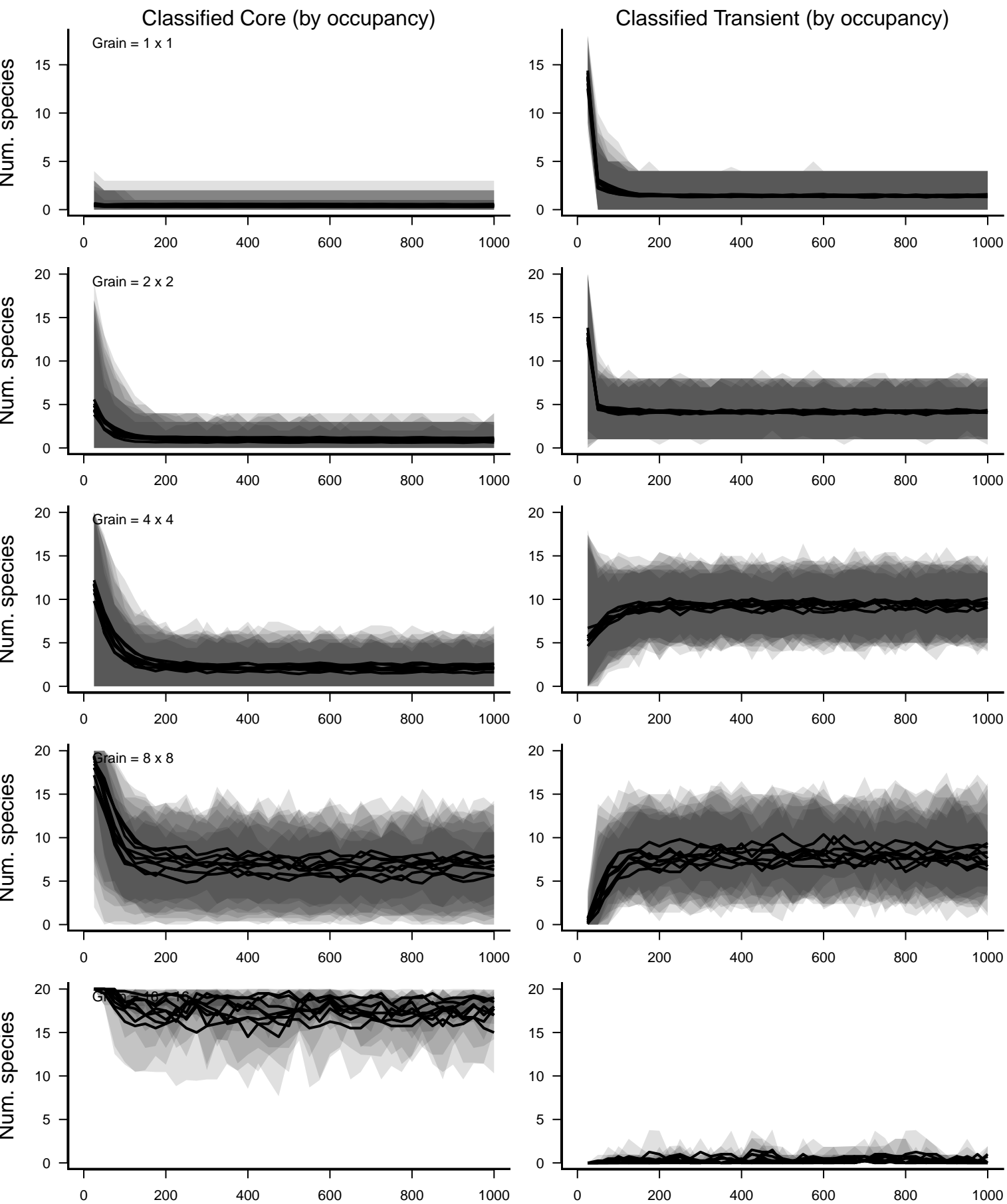
Num. species



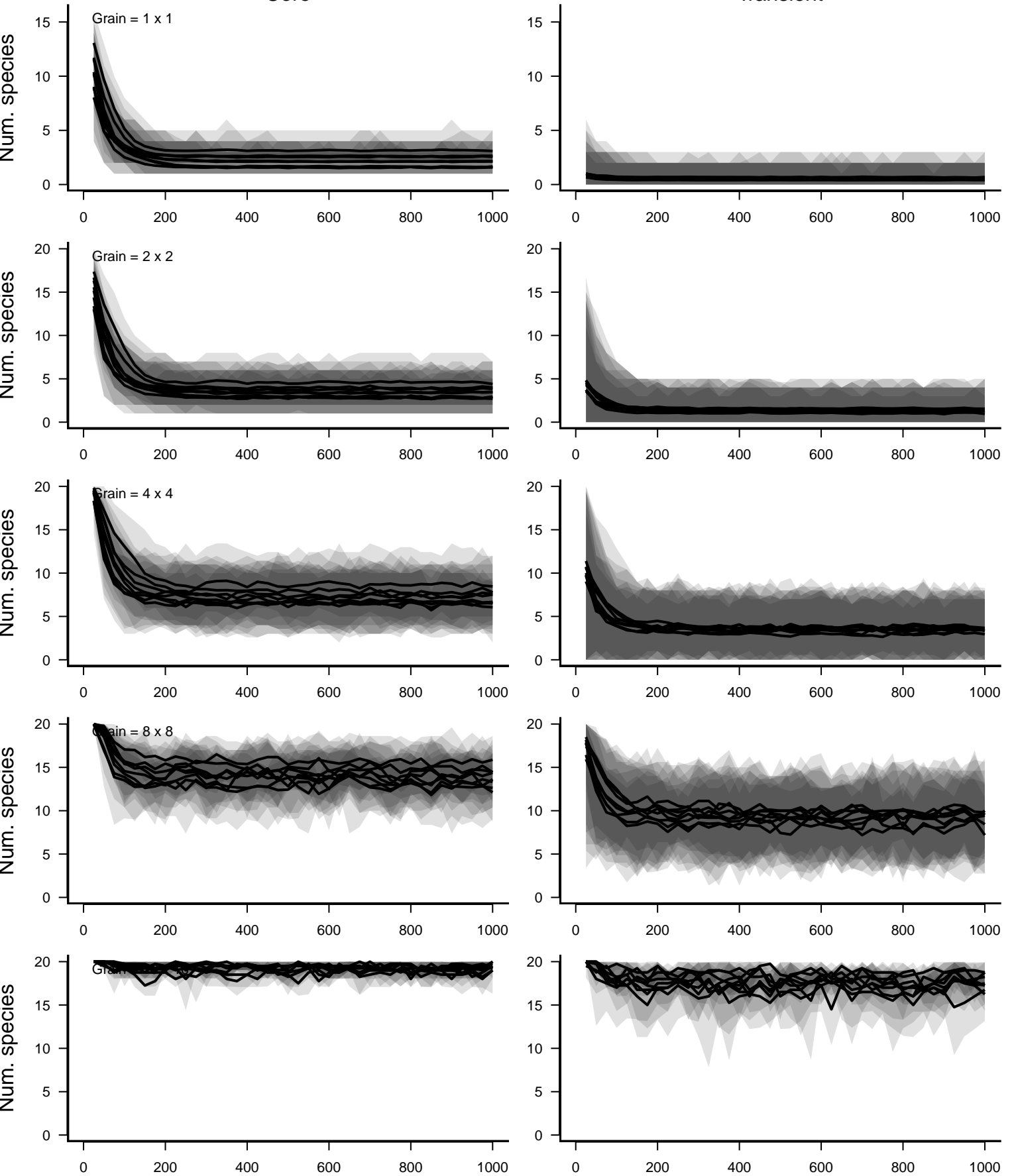
Num. species



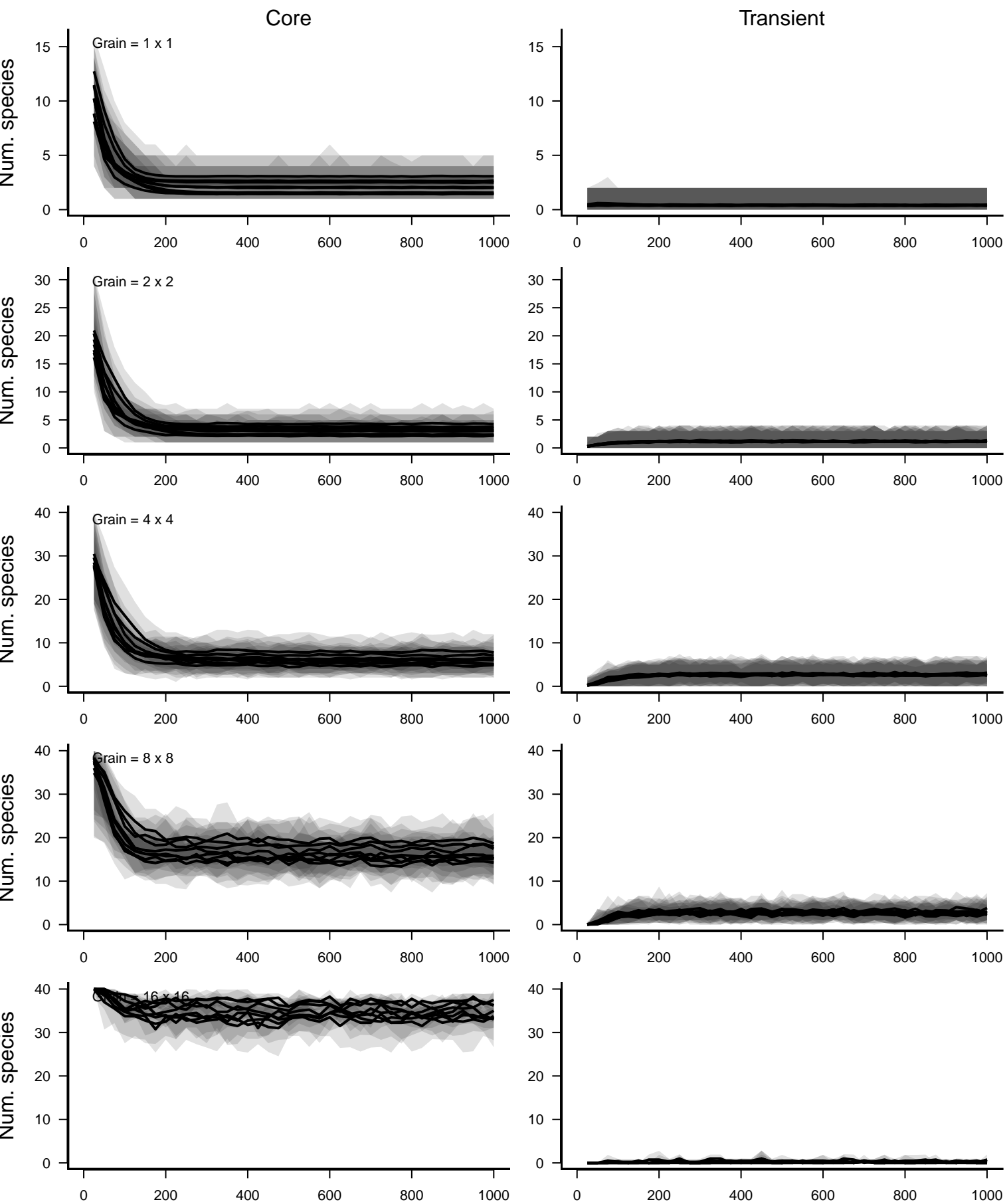
Birth rate–based Transient Species: detection prob. = 0.9



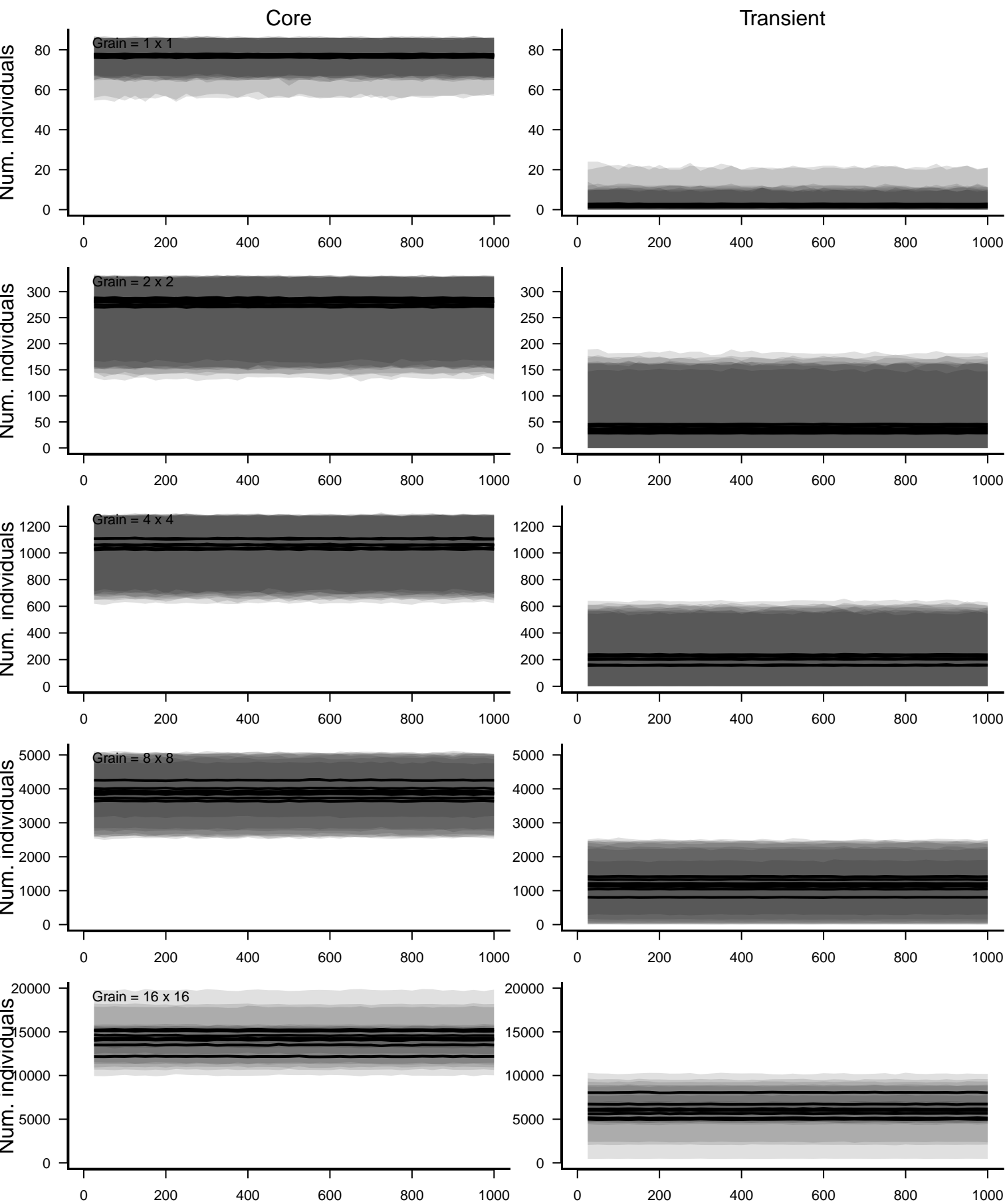
Transient



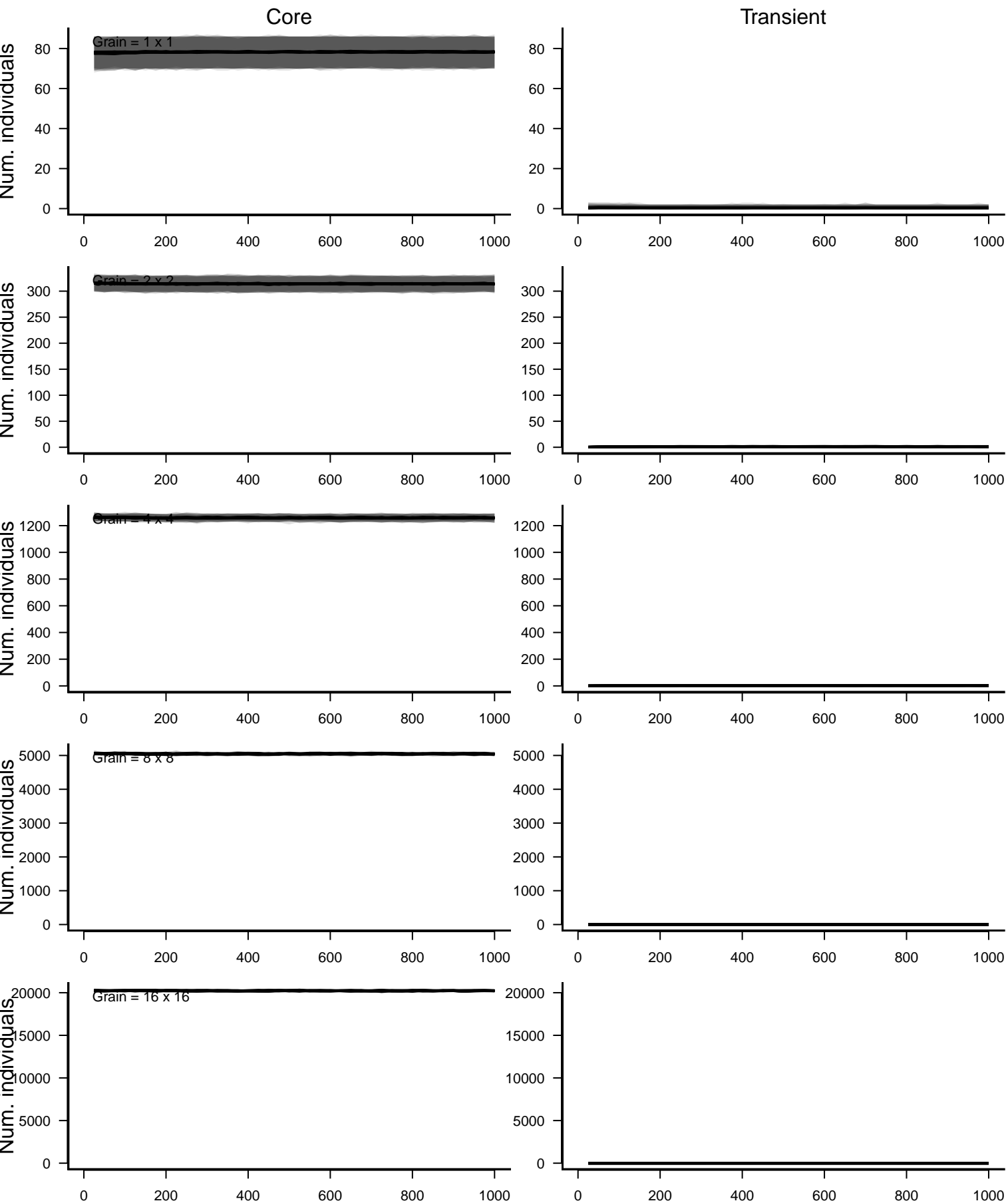
Temporal occupancy-based categories: detection prob. = 0.8



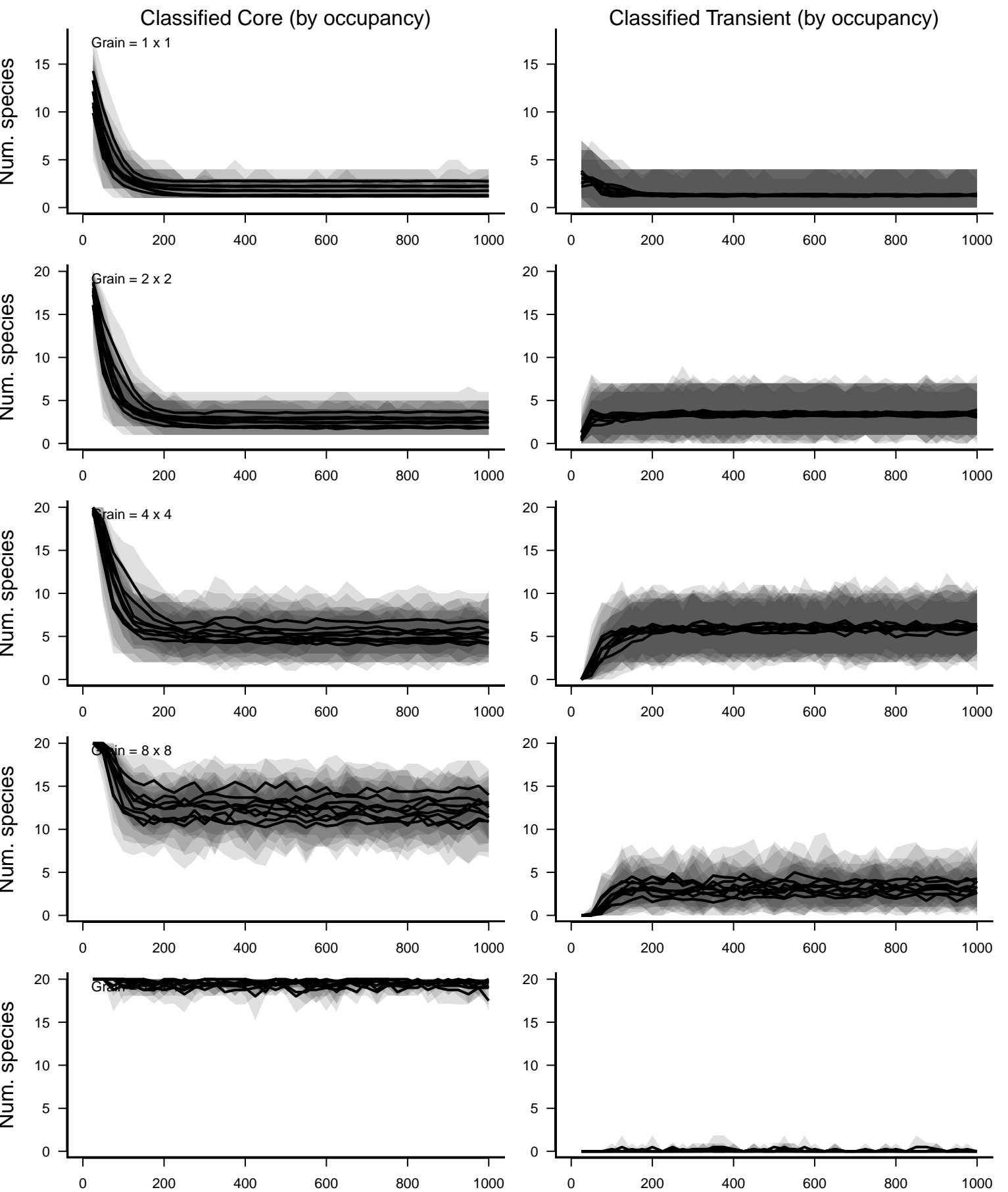
Birth rate–based categories: detection prob. = 0.8



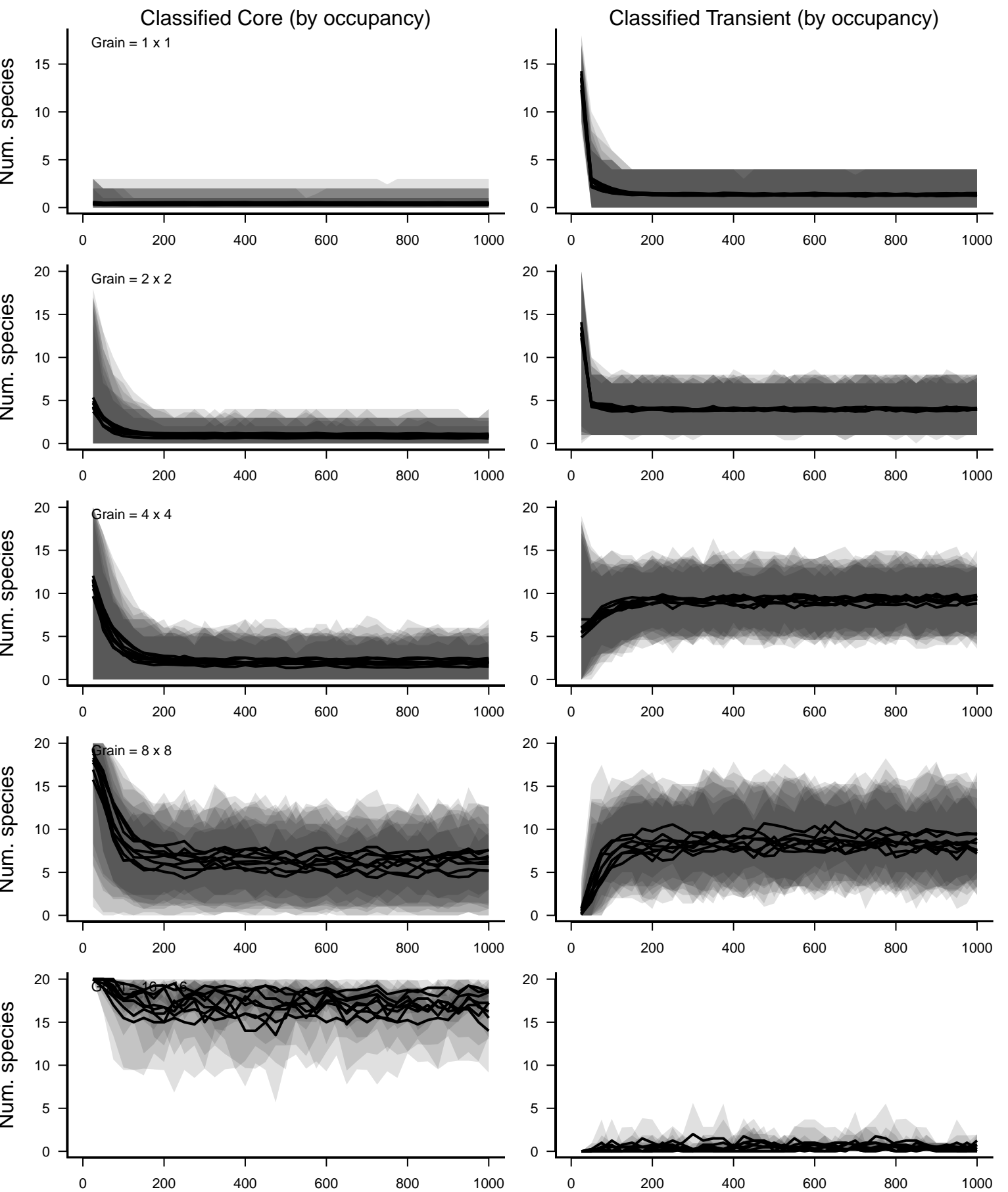
Temporal occupancy-based categories: detection prob. = 0.8



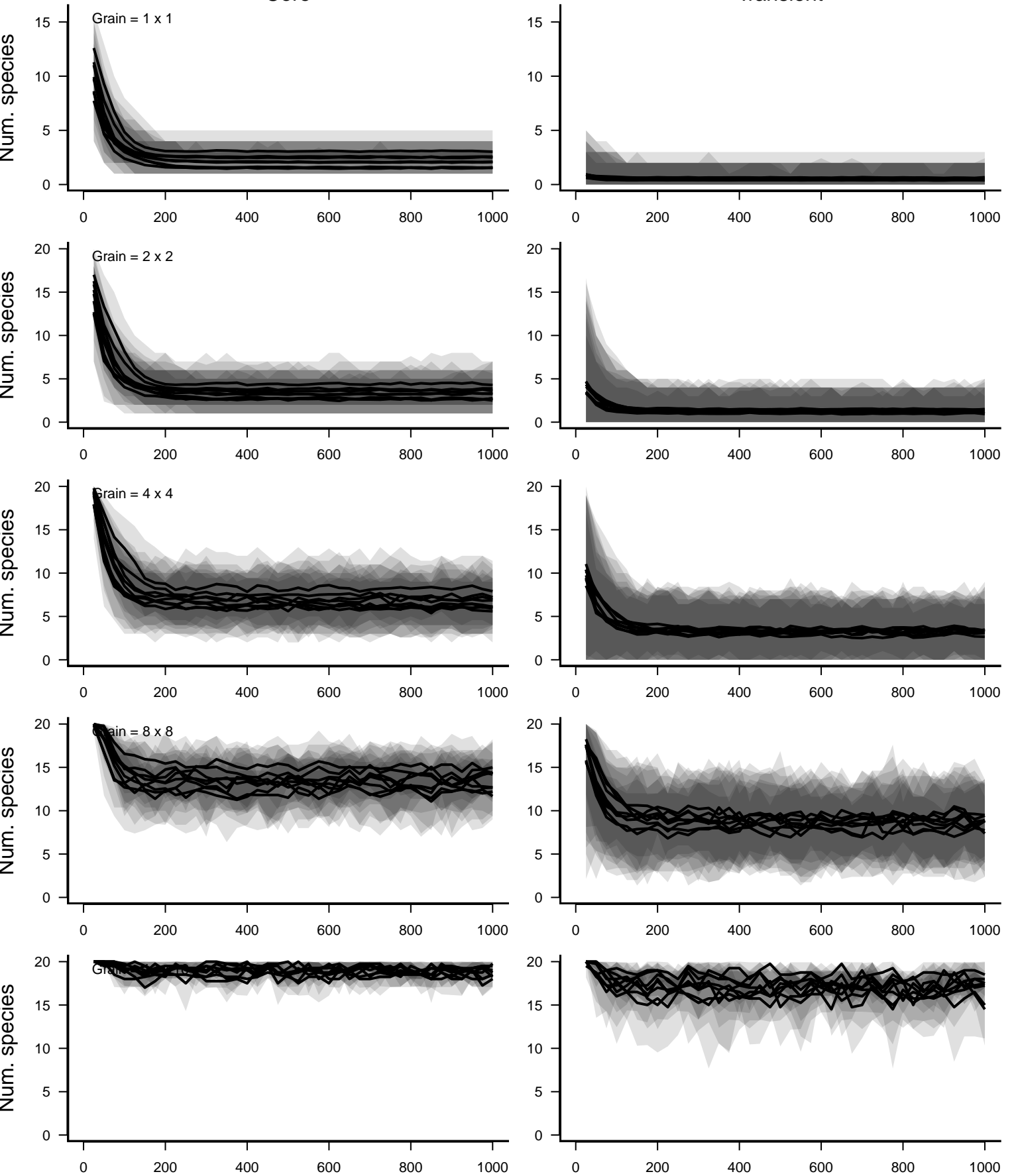
Birth rate–based Core Species: detection prob. = 0.8



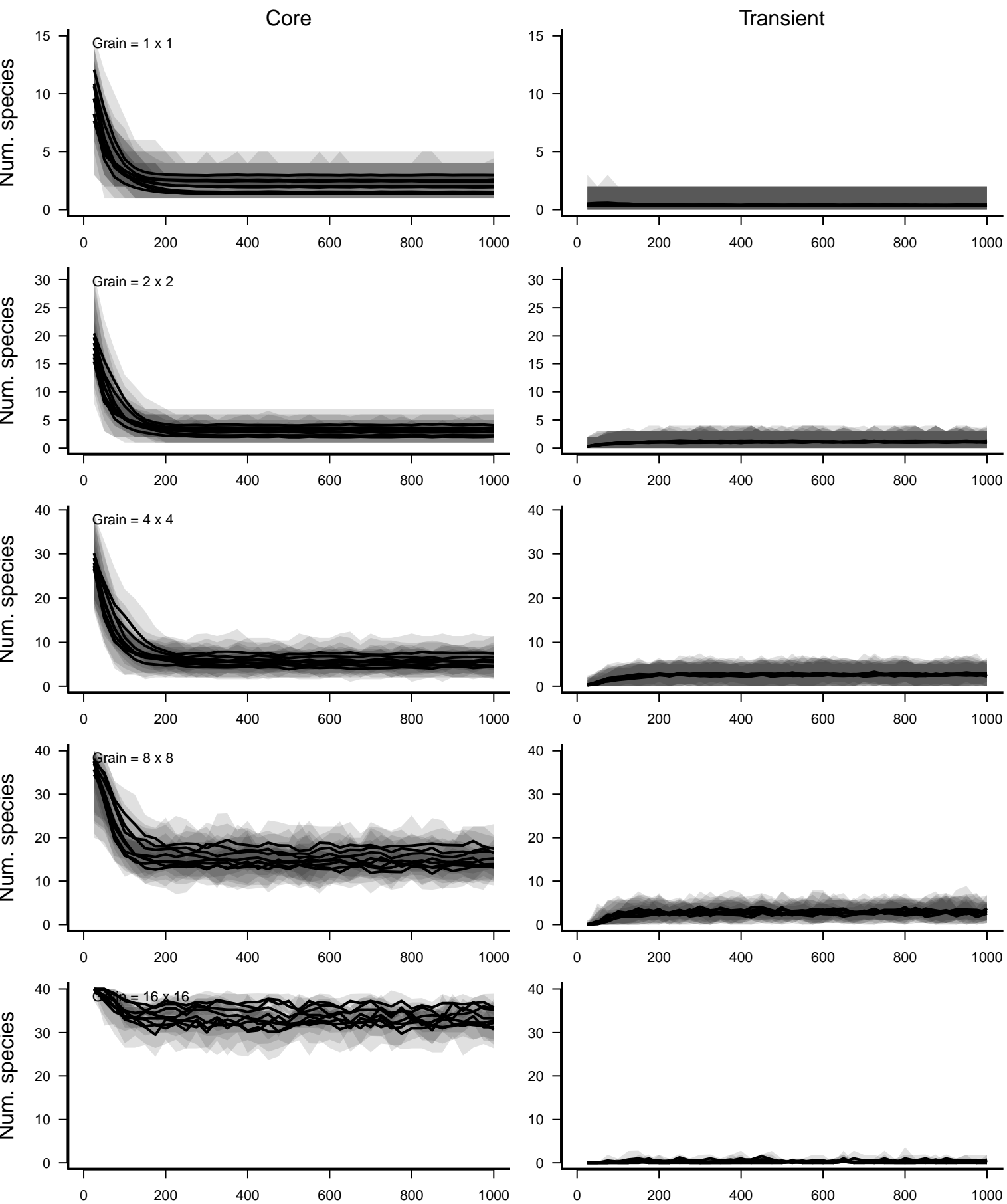
Birth rate–based Transient Species: detection prob. = 0.8



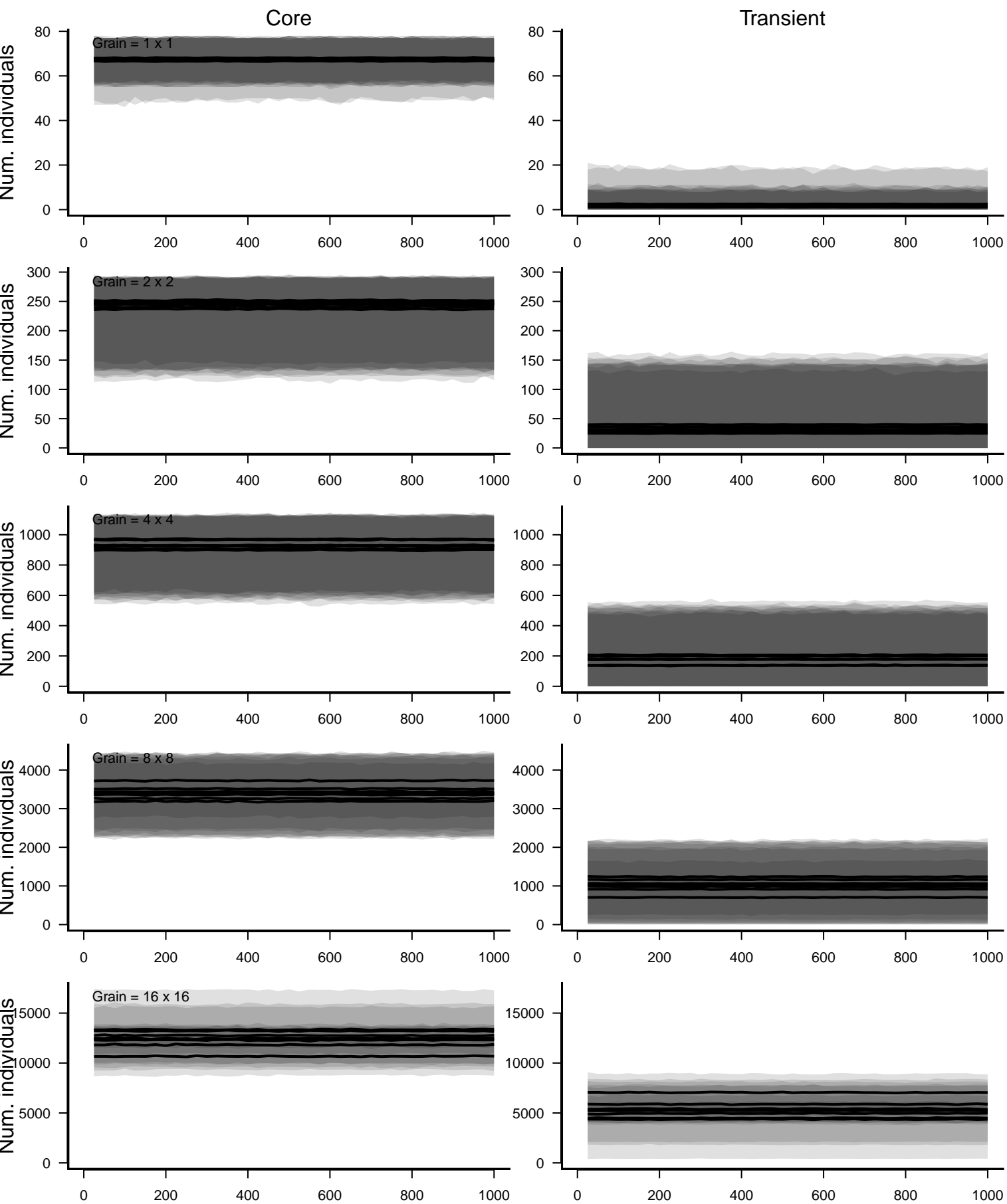
Transient



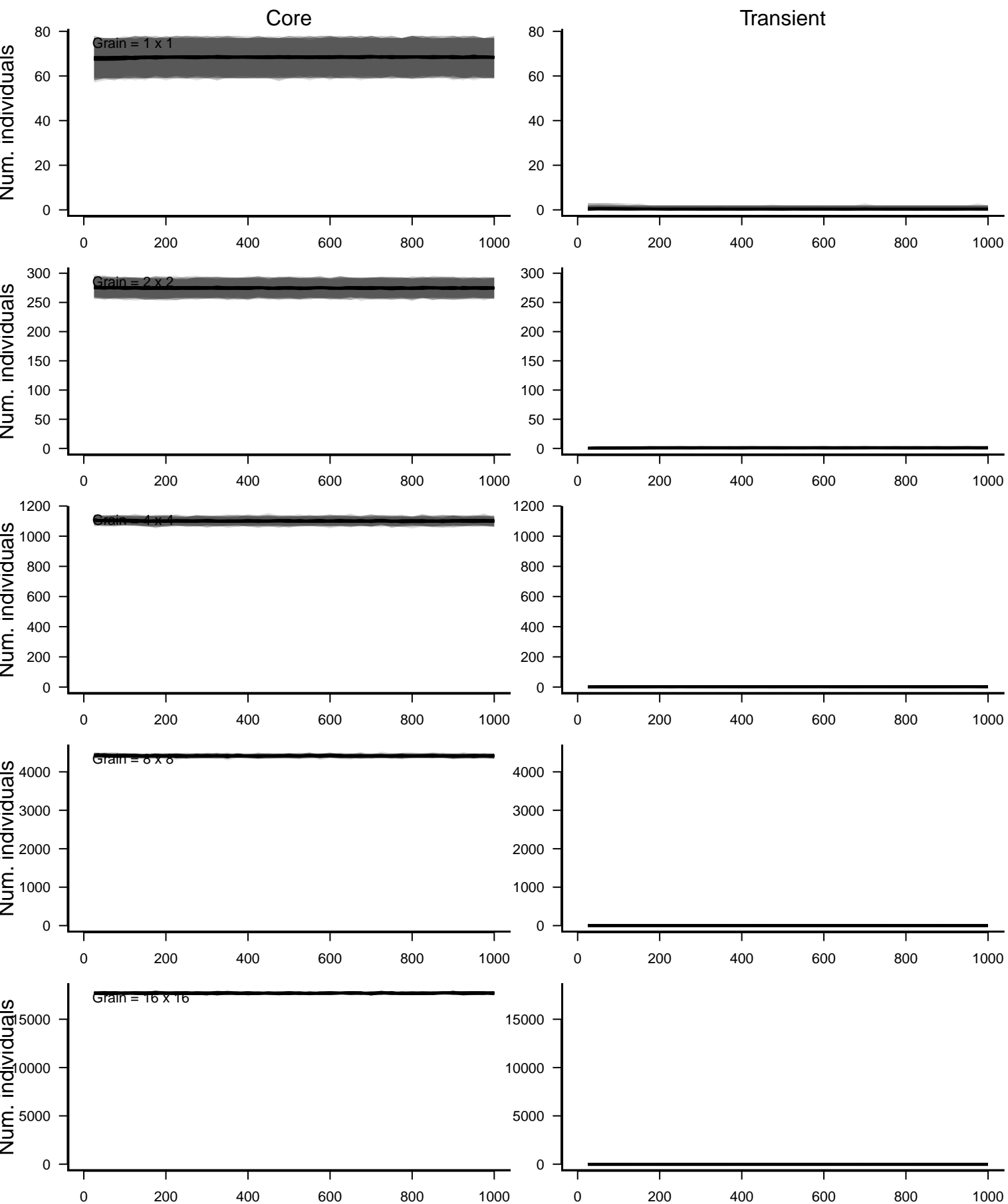
Temporal occupancy-based categories: detection prob. = 0.7



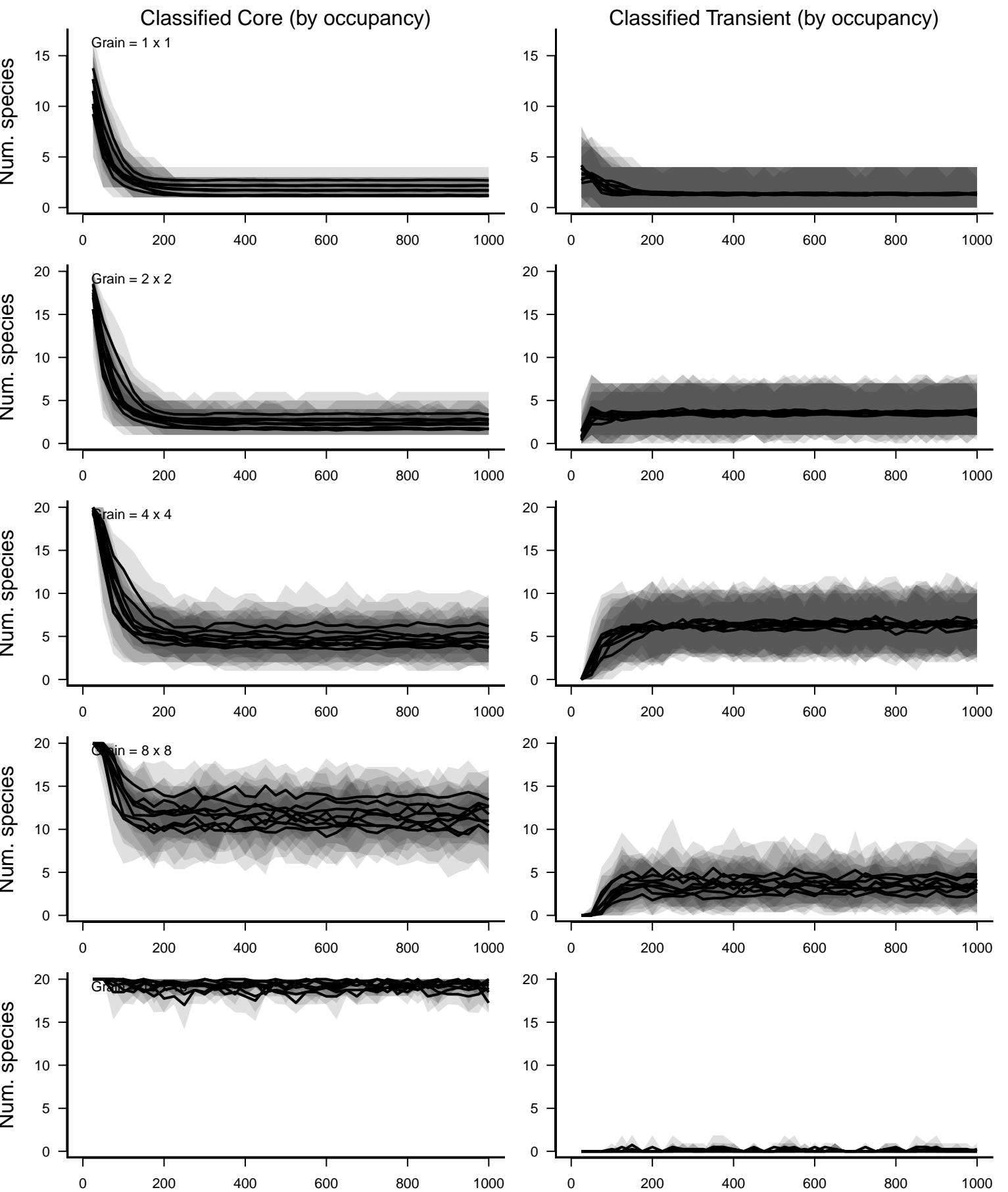
Birth rate–based categories: detection prob. = 0.7



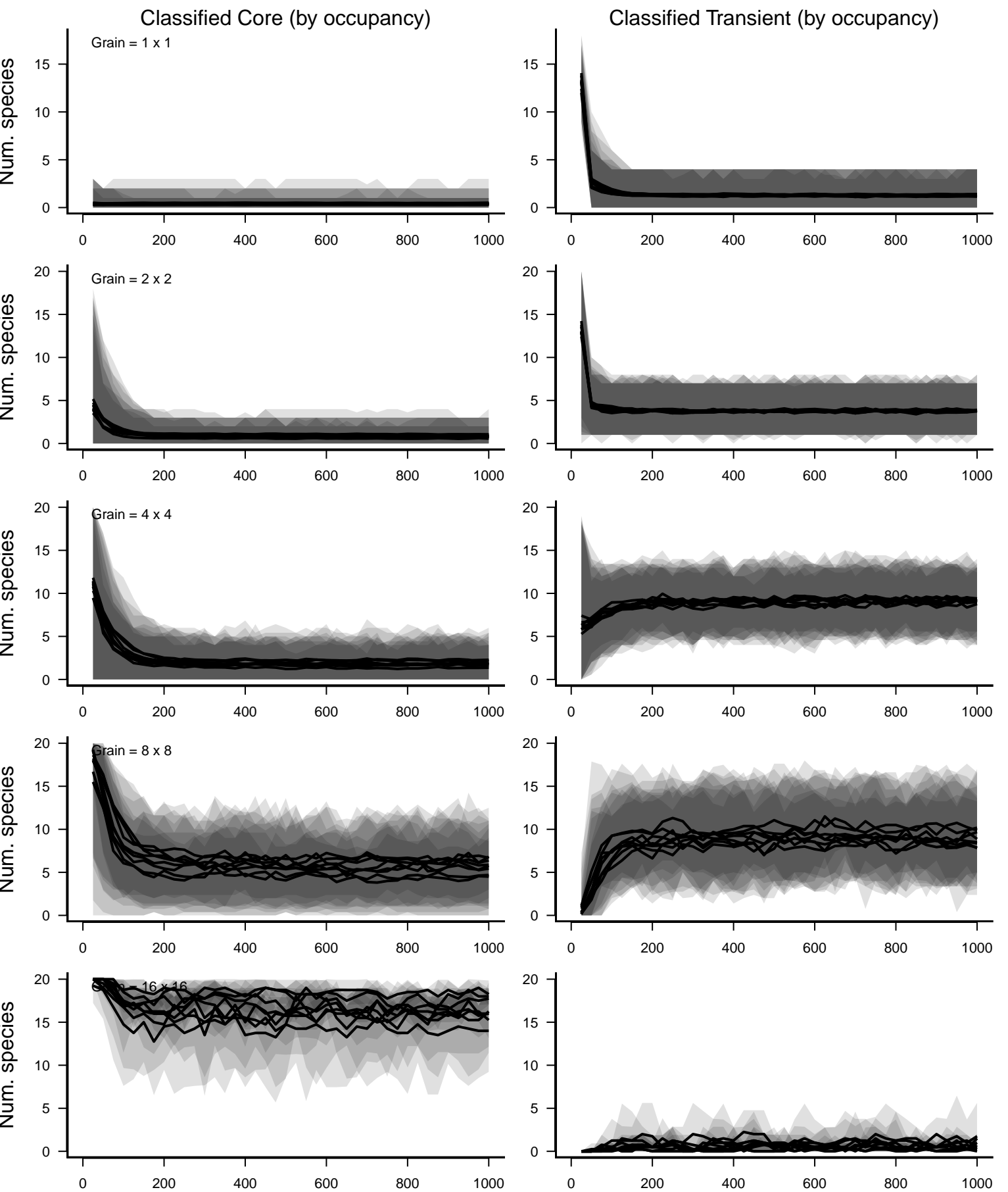
Temporal occupancy-based categories: detection prob. = 0.7



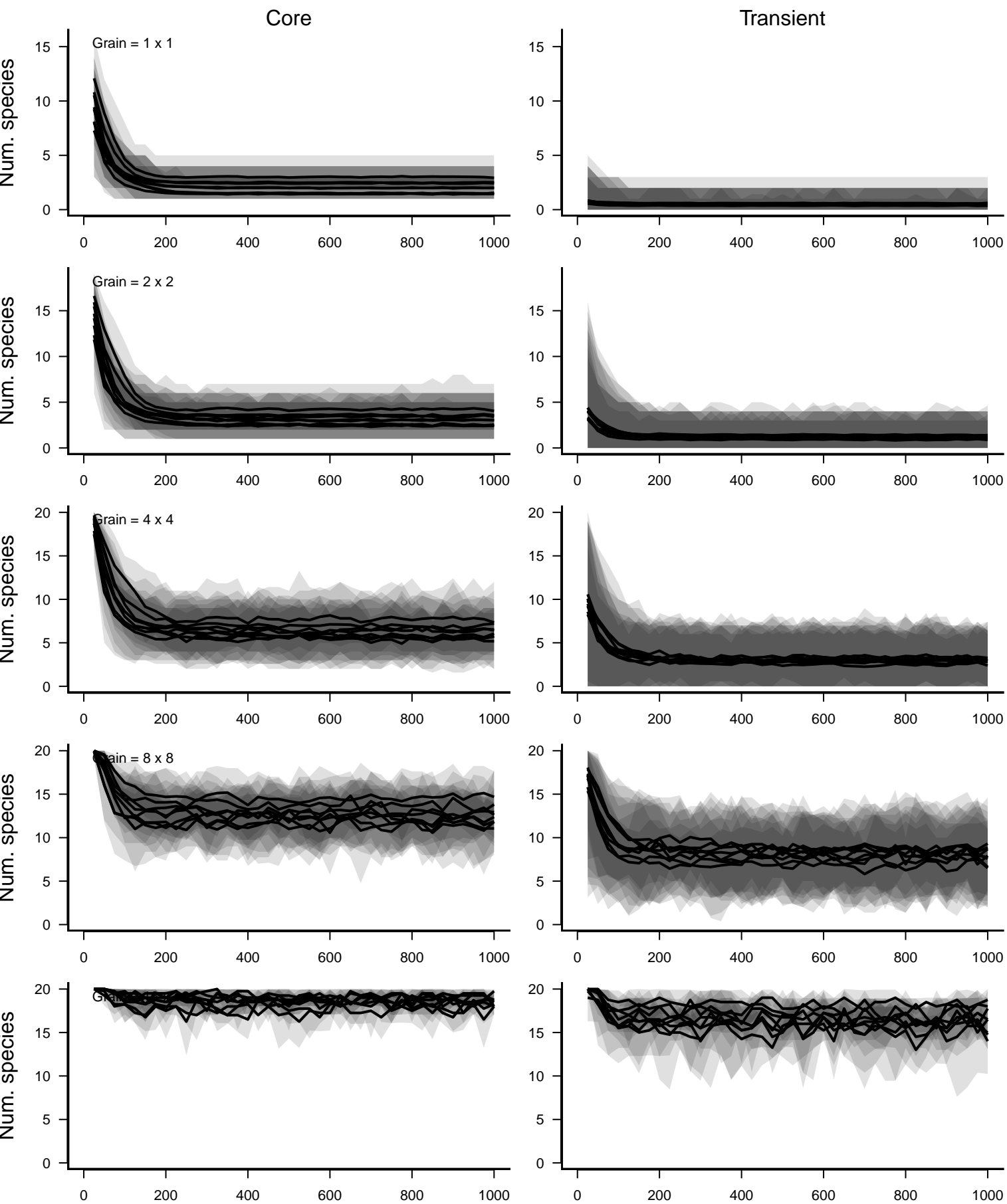
Birth rate–based Core Species: detection prob. = 0.7



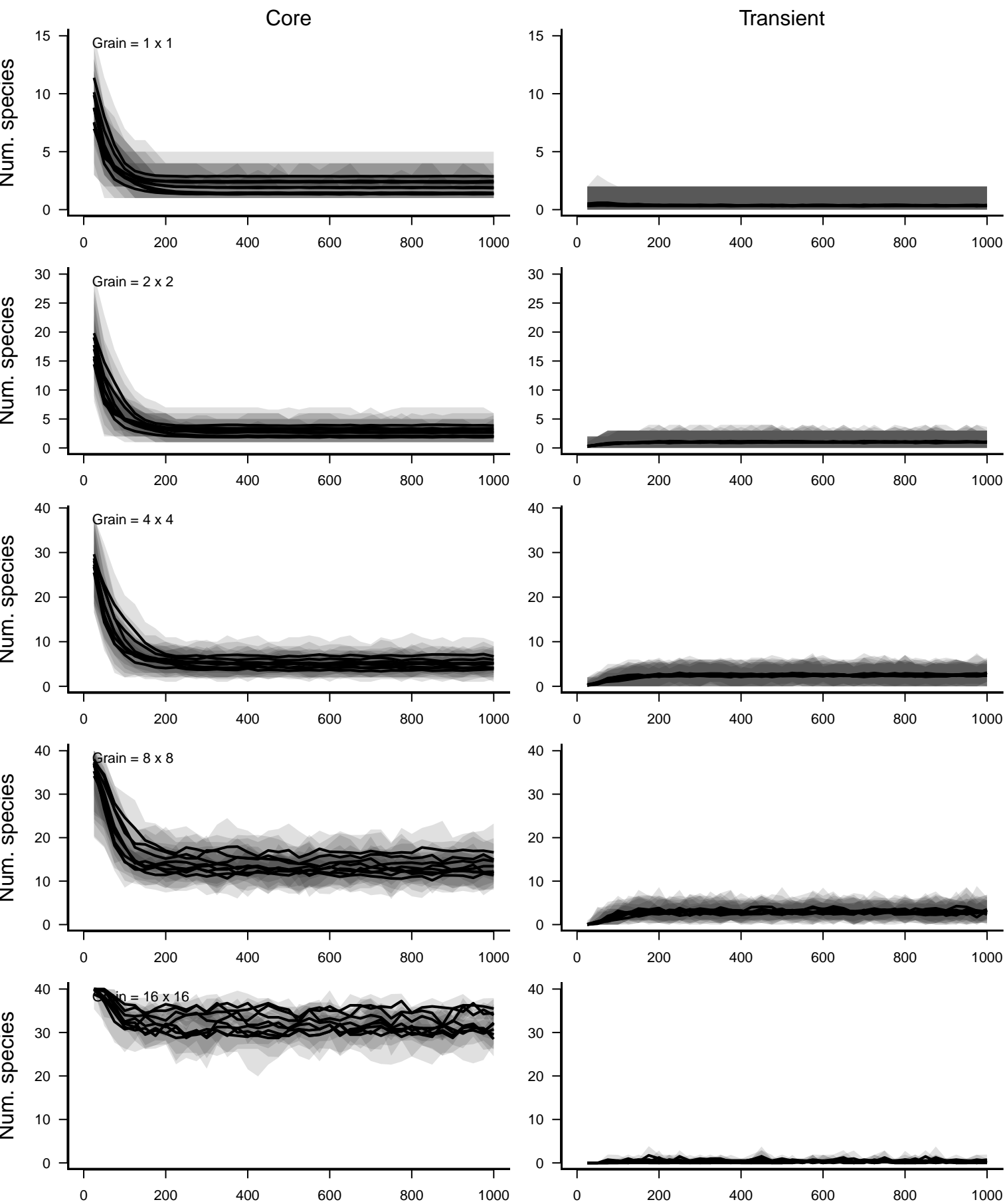
Birth rate–based Transient Species: detection prob. = 0.7



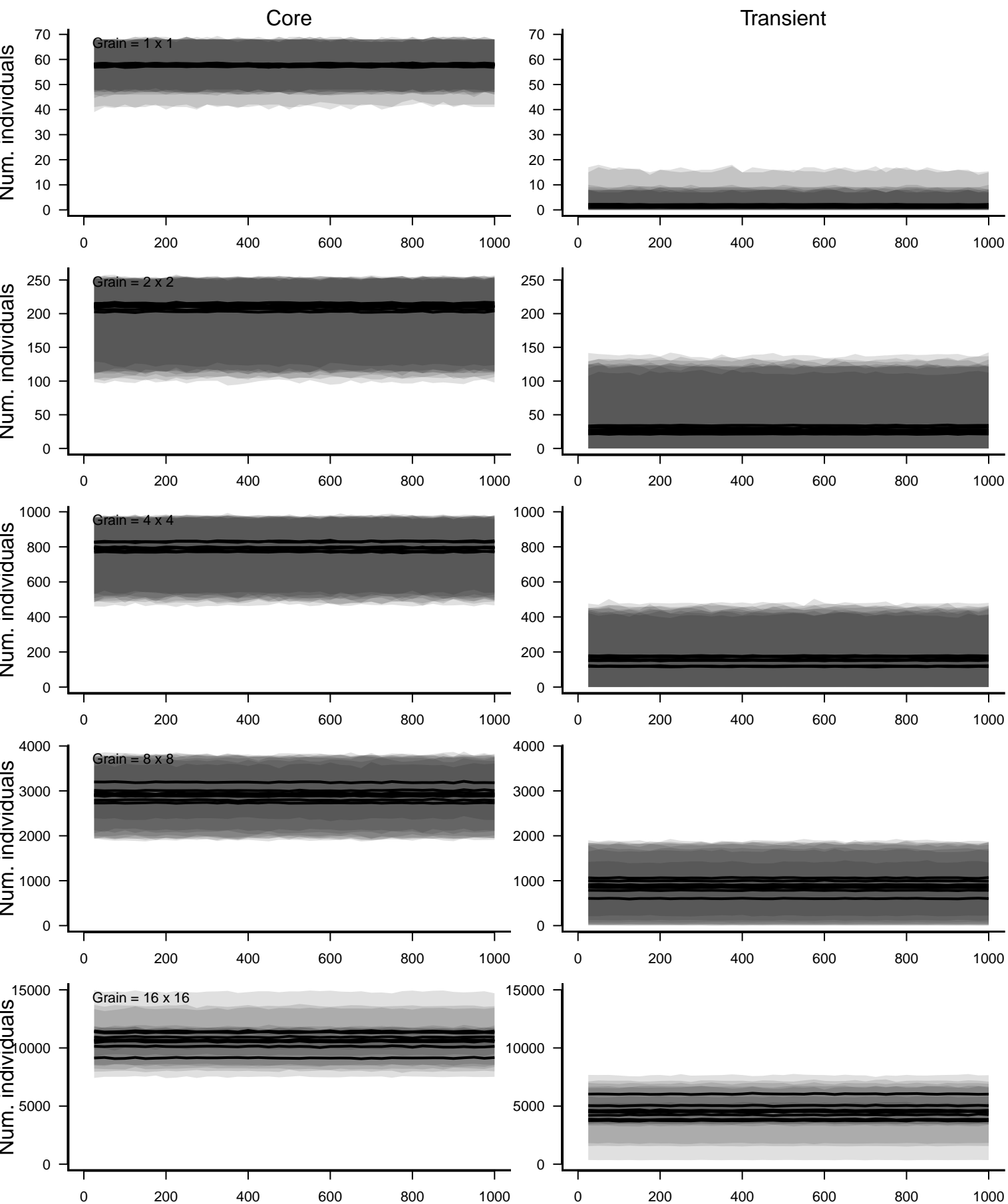
Birth rate–based categories: detection prob. = 0.6



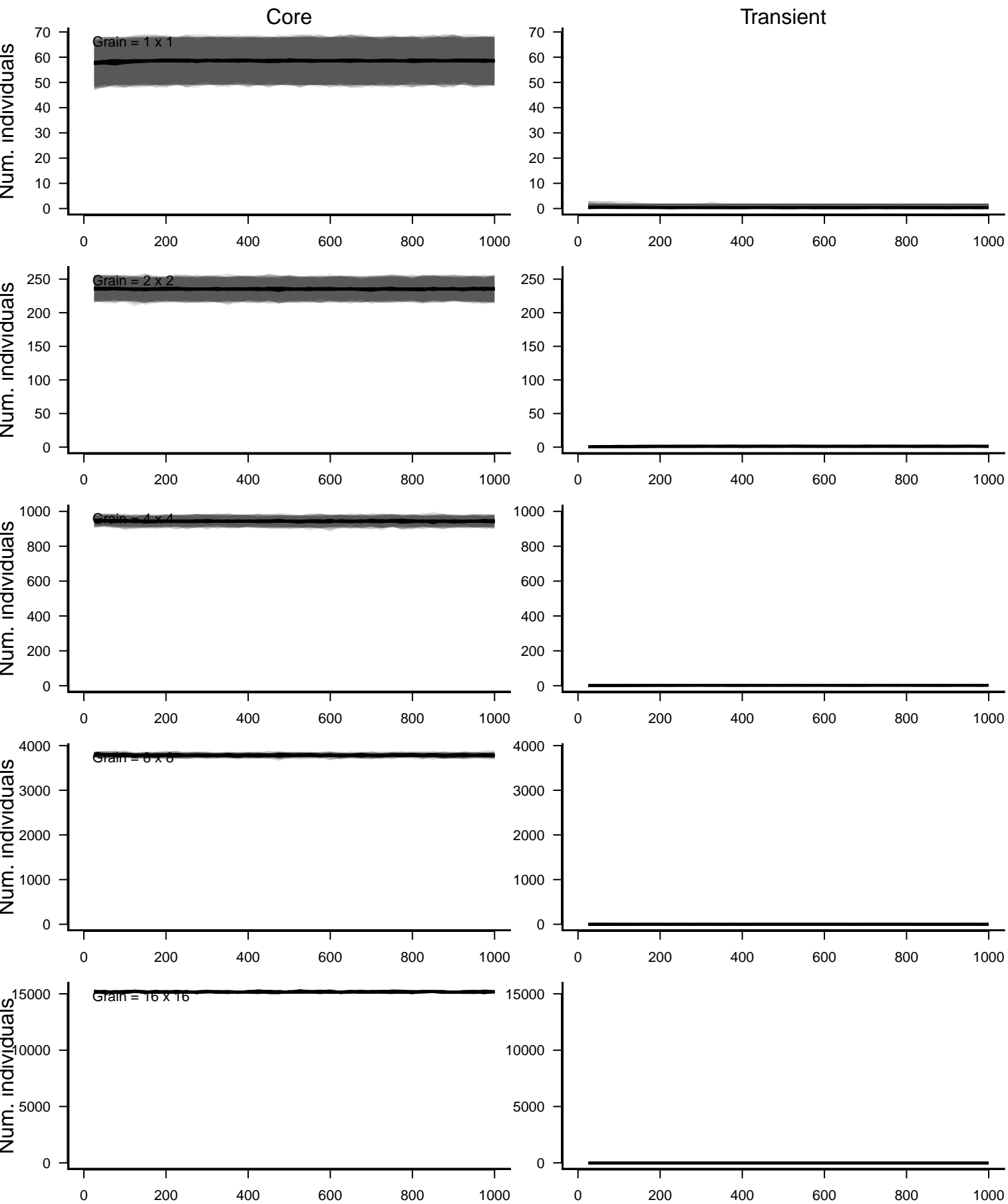
Temporal occupancy-based categories: detection prob. = 0.6



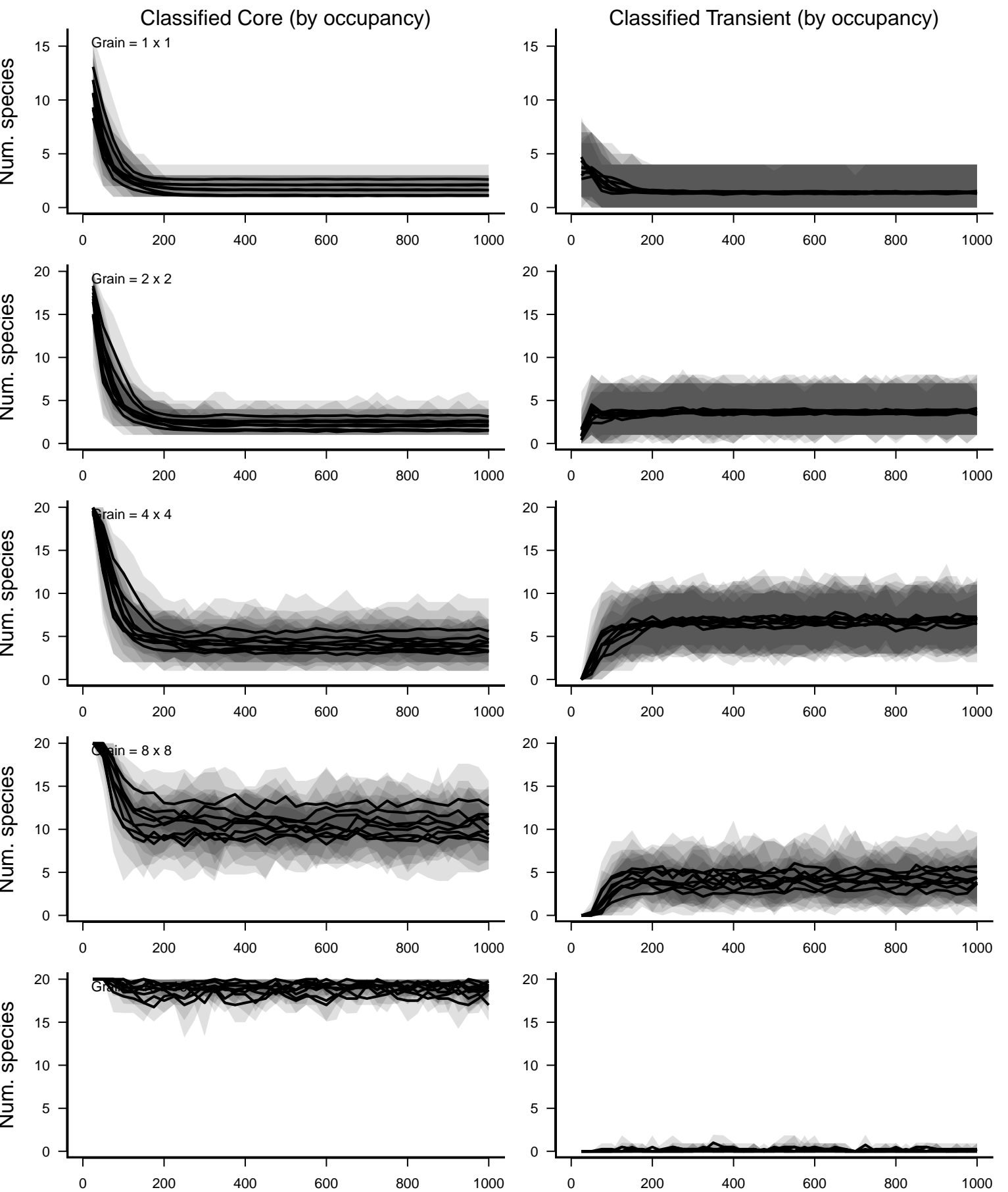
Birth rate–based categories: detection prob. = 0.6



Temporal occupancy-based categories: detection prob. = 0.6

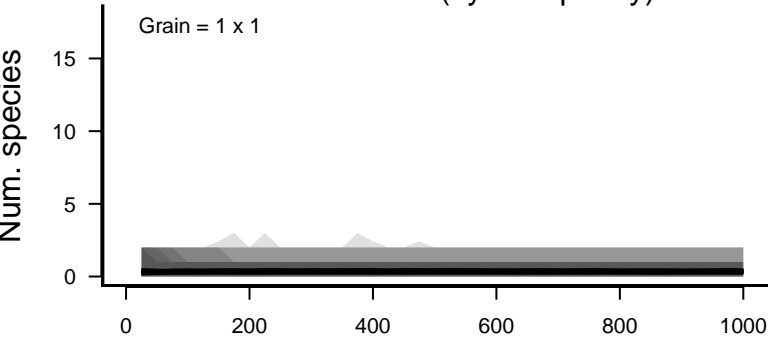


Birth rate–based Core Species: detection prob. = 0.6

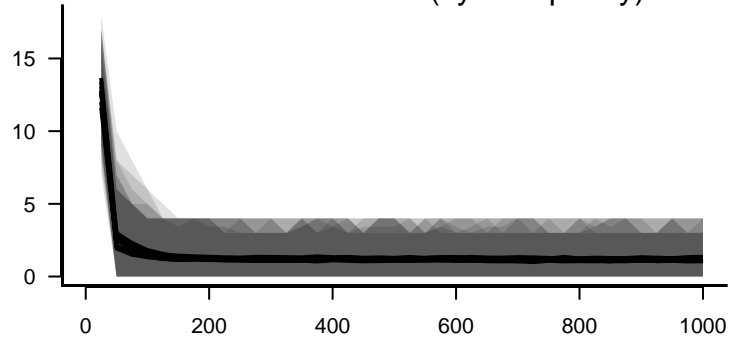


Birth rate–based Transient Species: detection prob. = 0.6

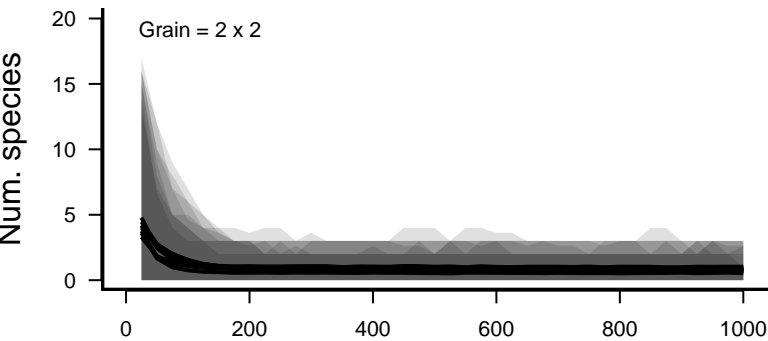
Classified Core (by occupancy)



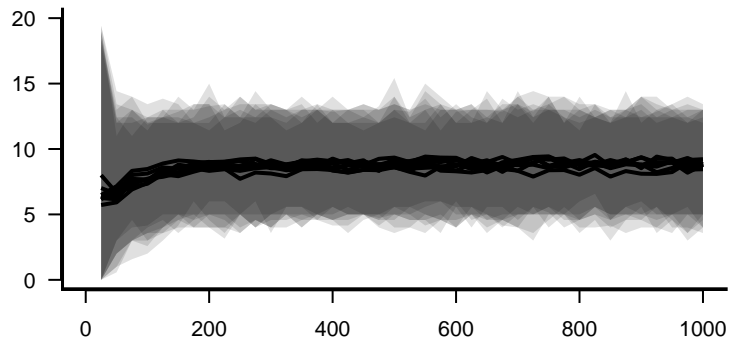
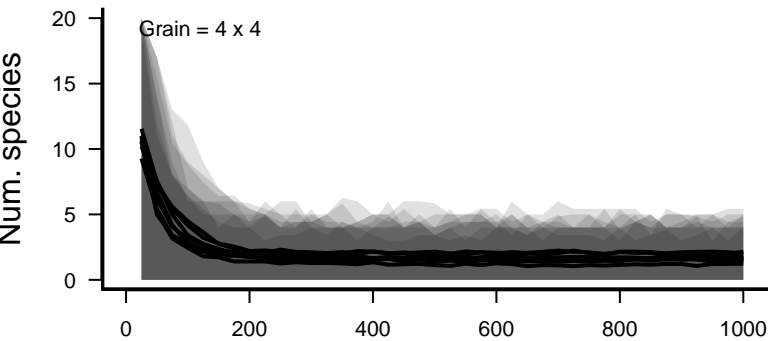
Classified Transient (by occupancy)



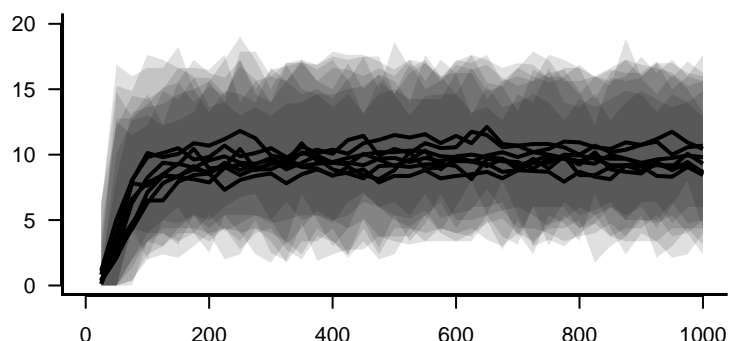
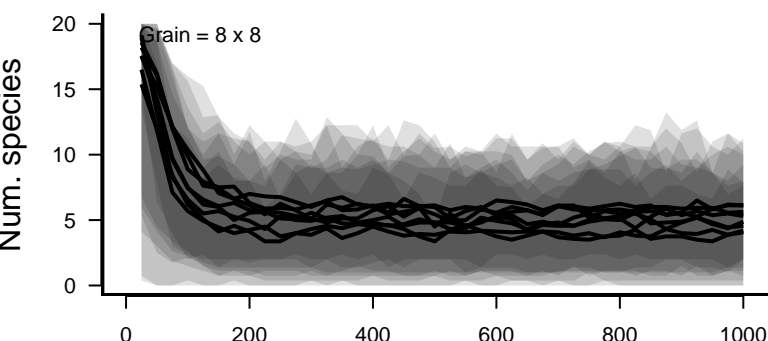
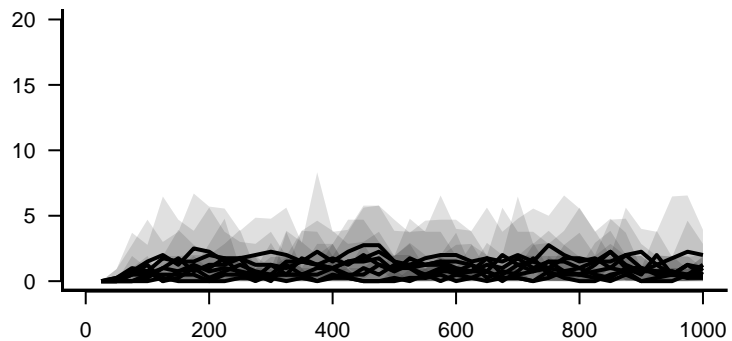
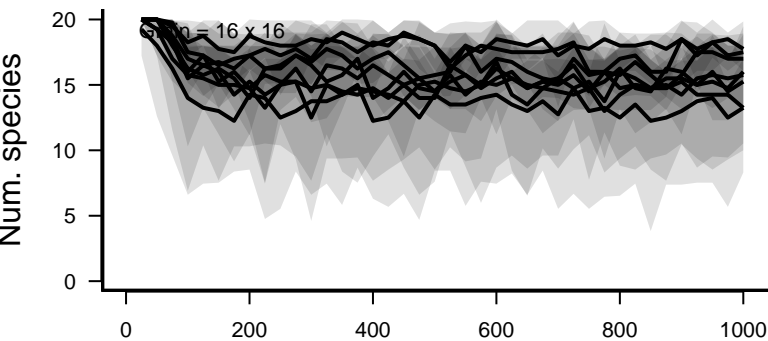
Grain = 2 x 2



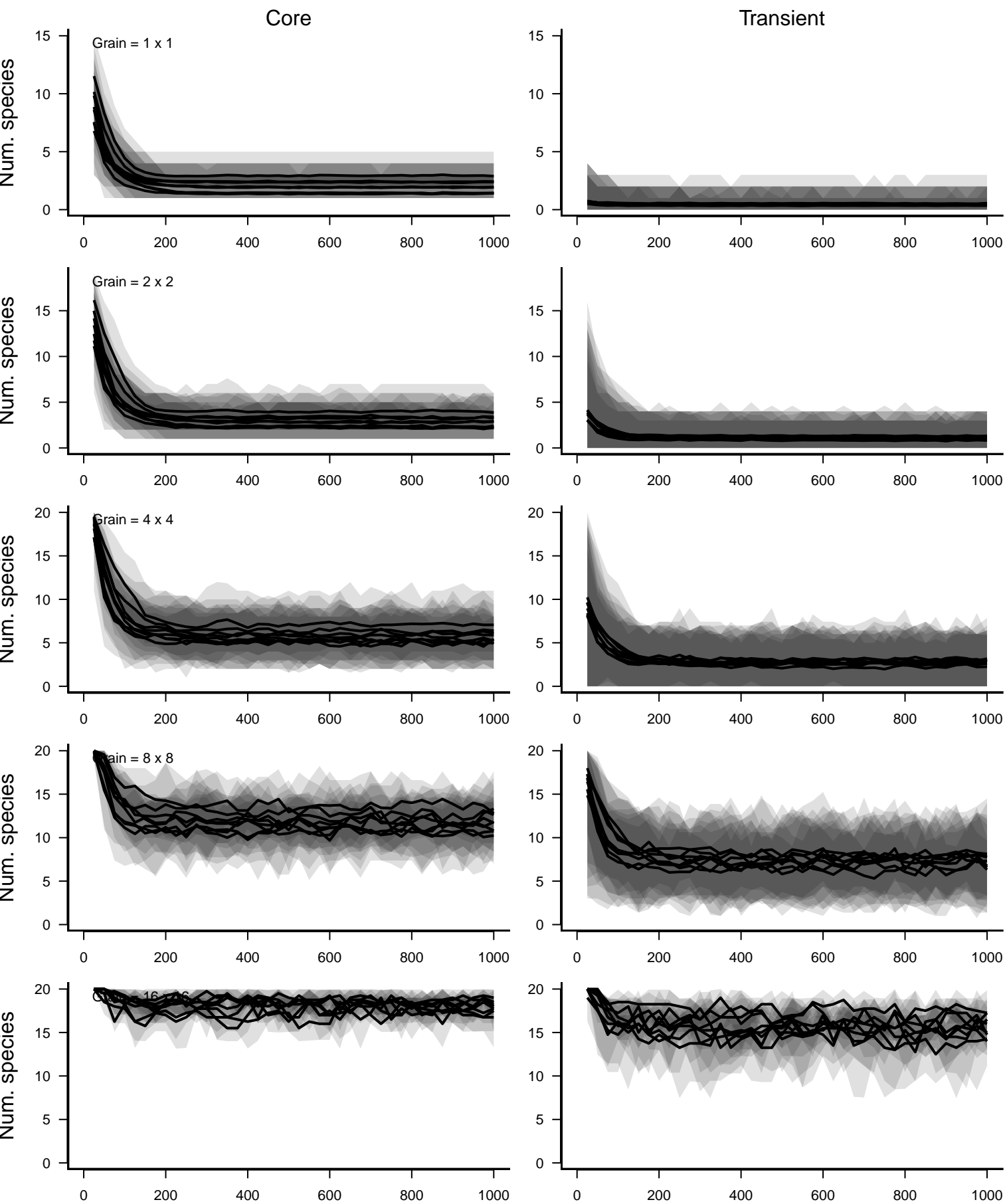
Grain = 4 x 4



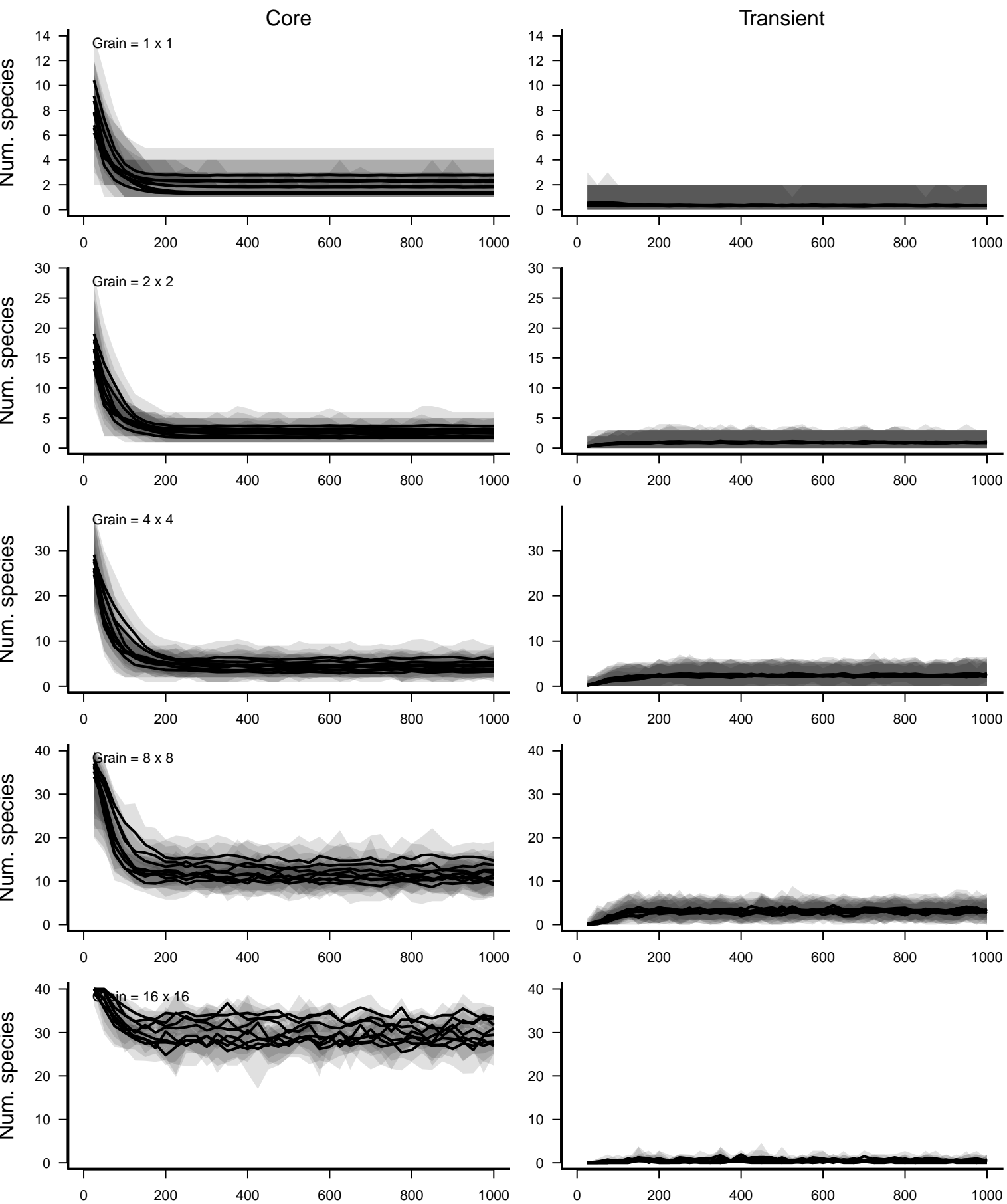
Grain = 8 x 8

 ~~$G_{\text{eff}} = 16 \times 10^3$~~ 

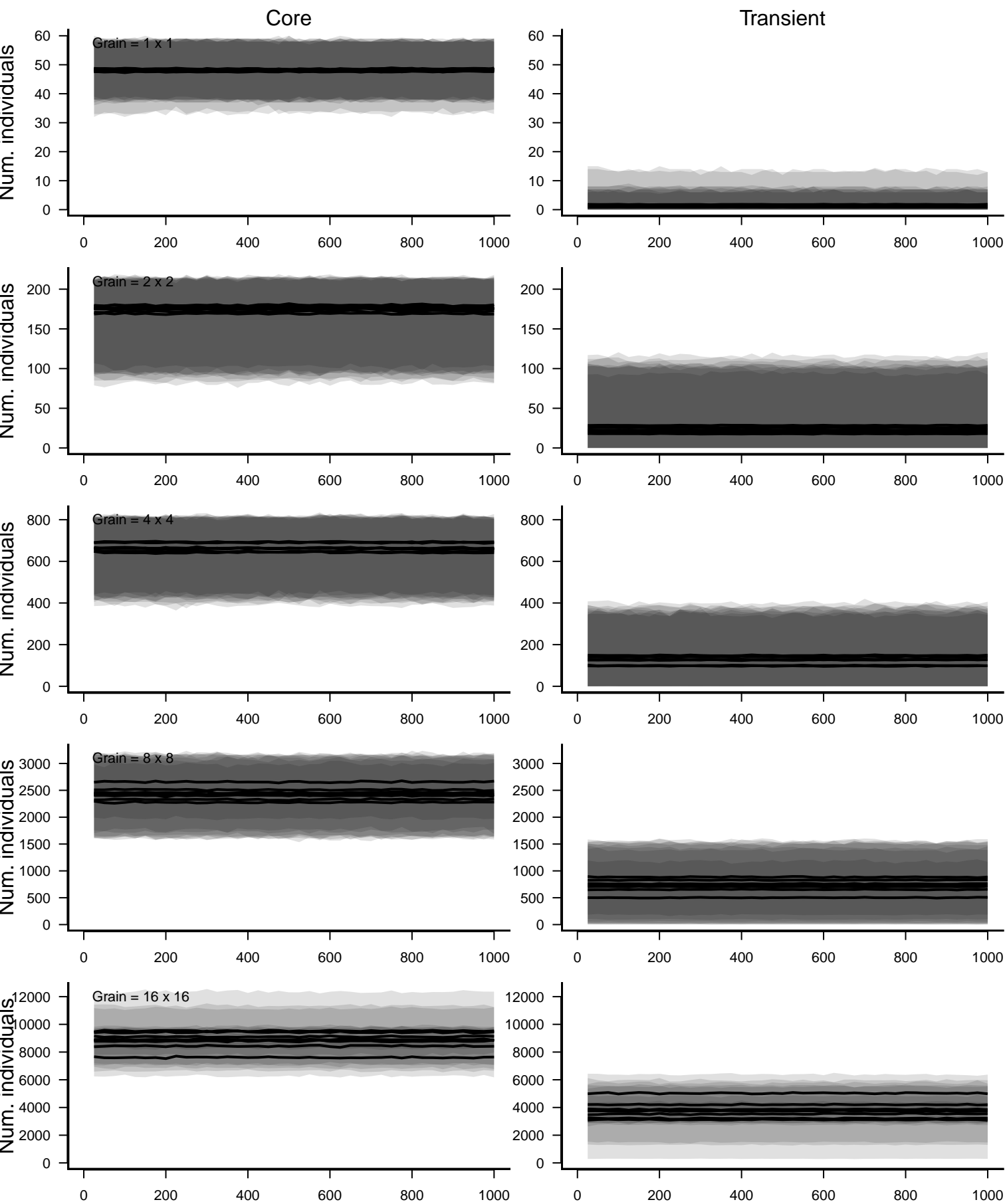
Birth rate–based categories: detection prob. = 0.5



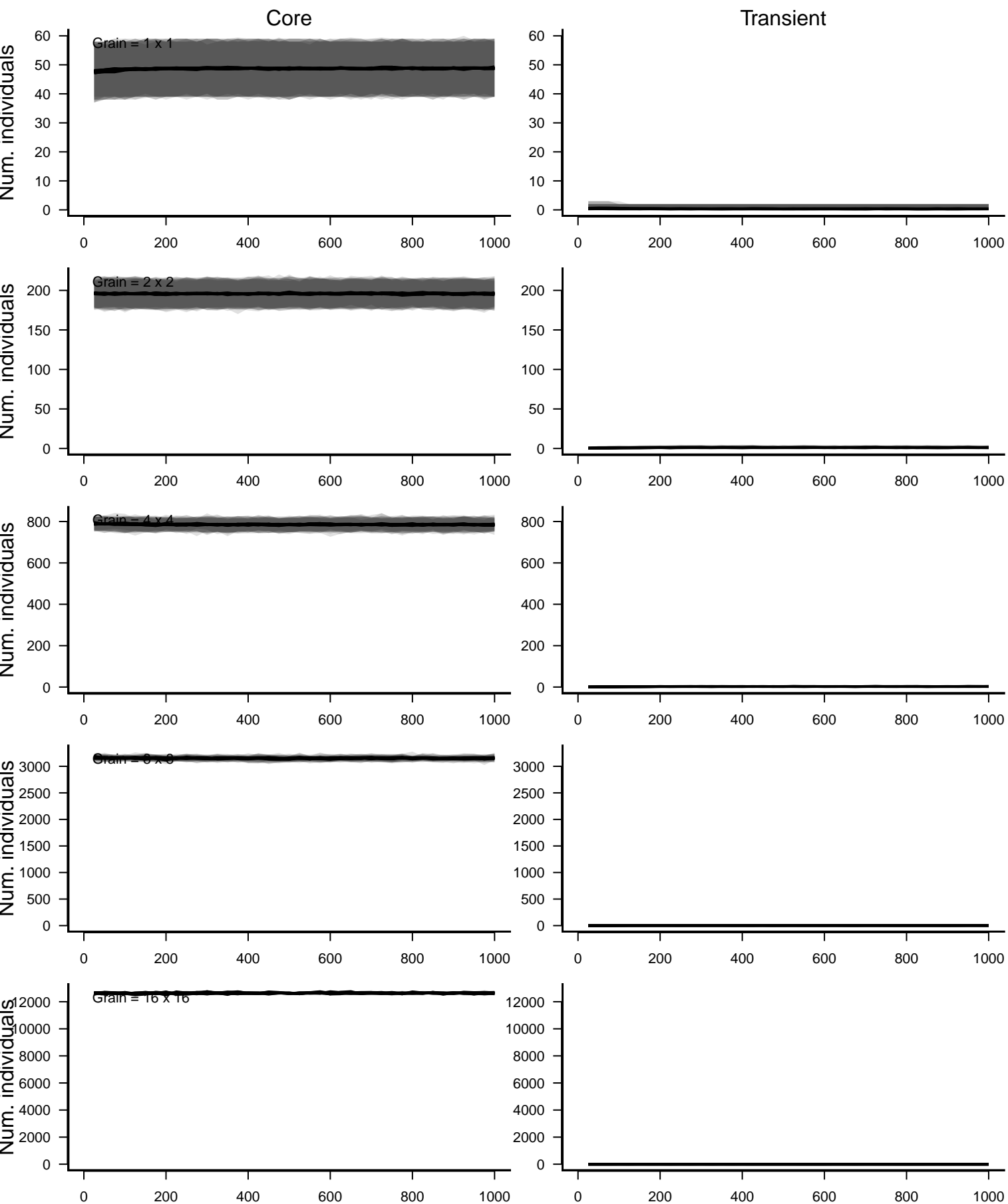
Temporal occupancy-based categories: detection prob. = 0.5



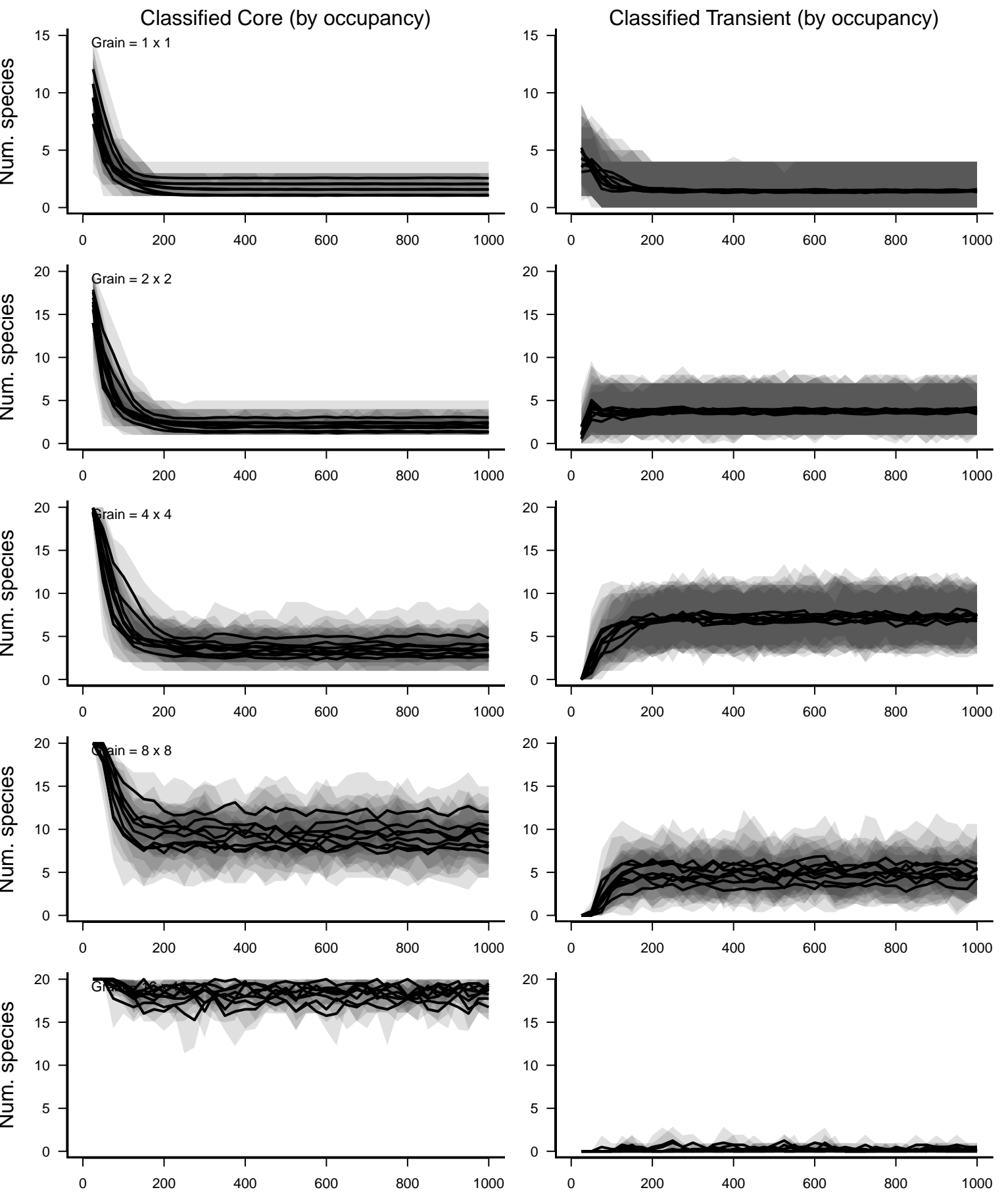
Birth rate–based categories: detection prob. = 0.5



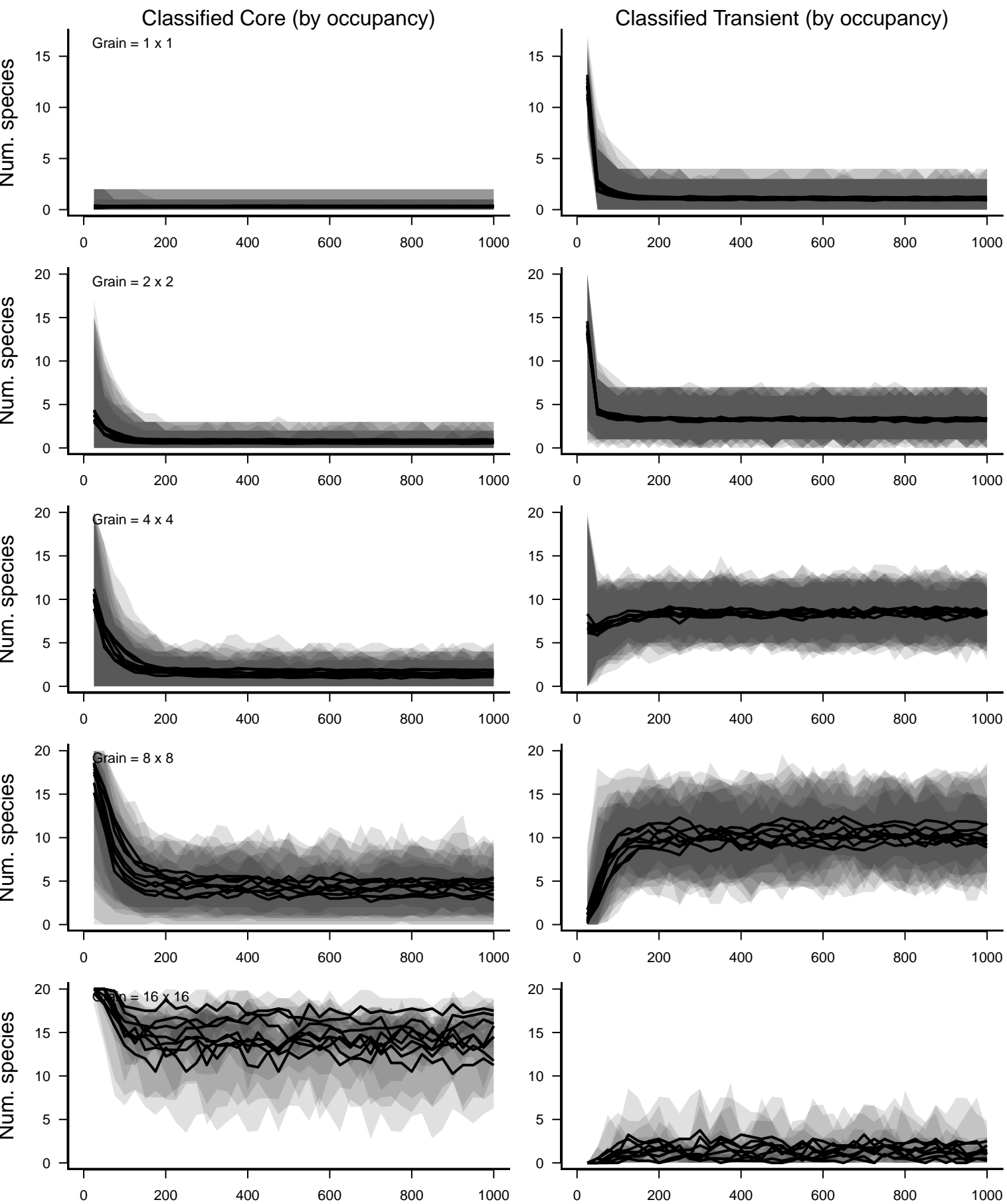
Temporal occupancy-based categories: detection prob. = 0.5



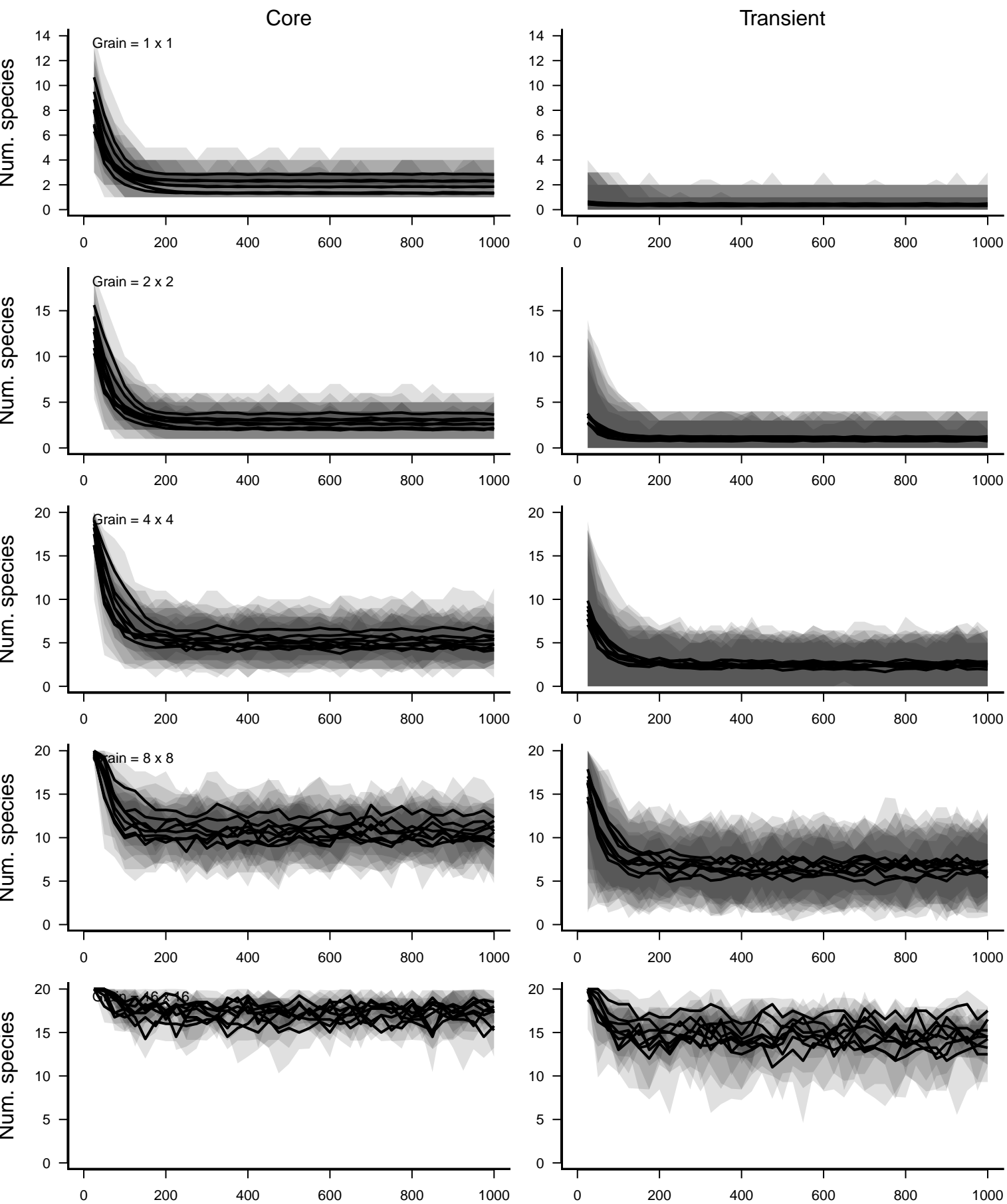
Birth rate–based Core Species: detection prob. = 0.5



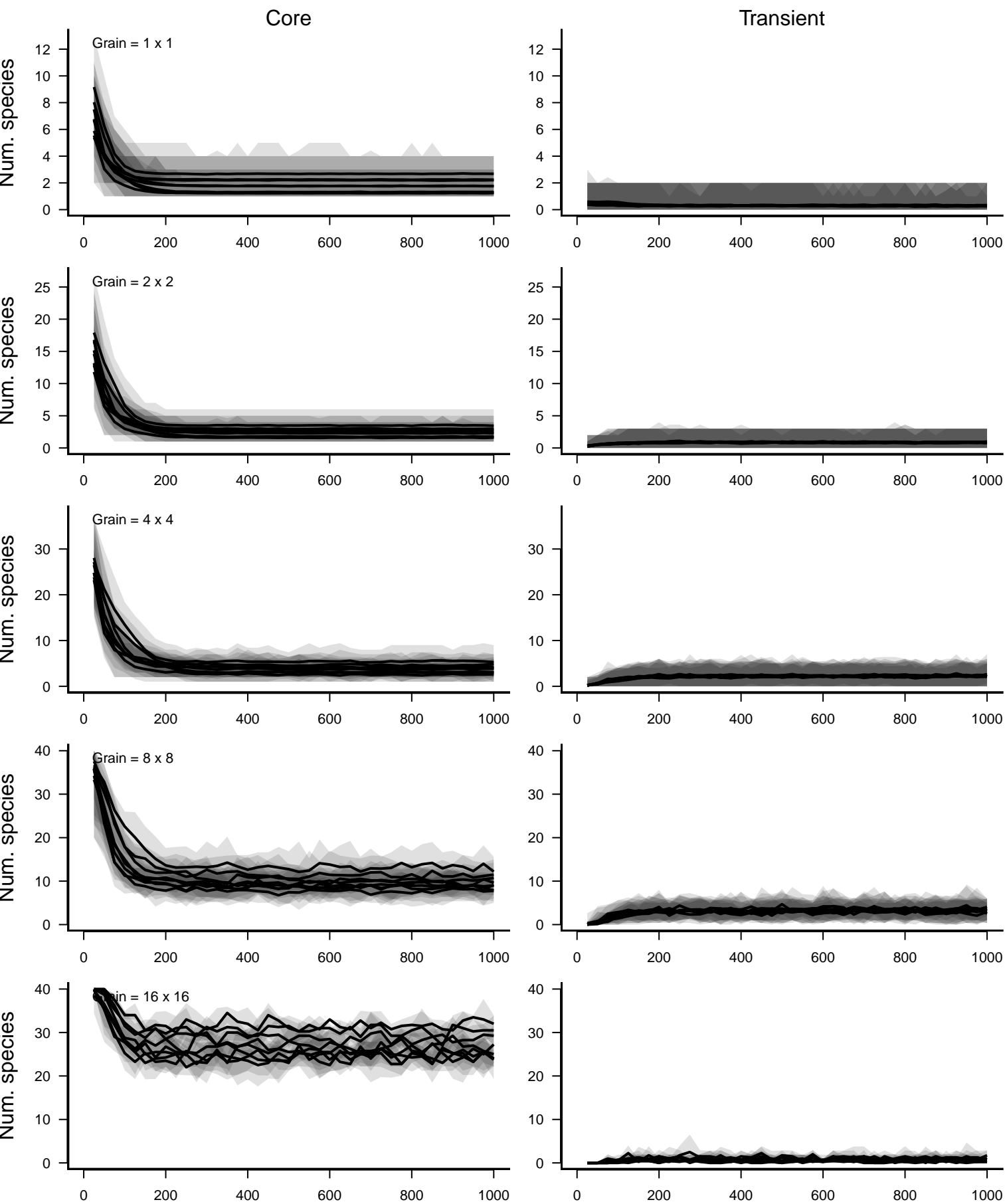
Birth rate–based Transient Species: detection prob. = 0.5



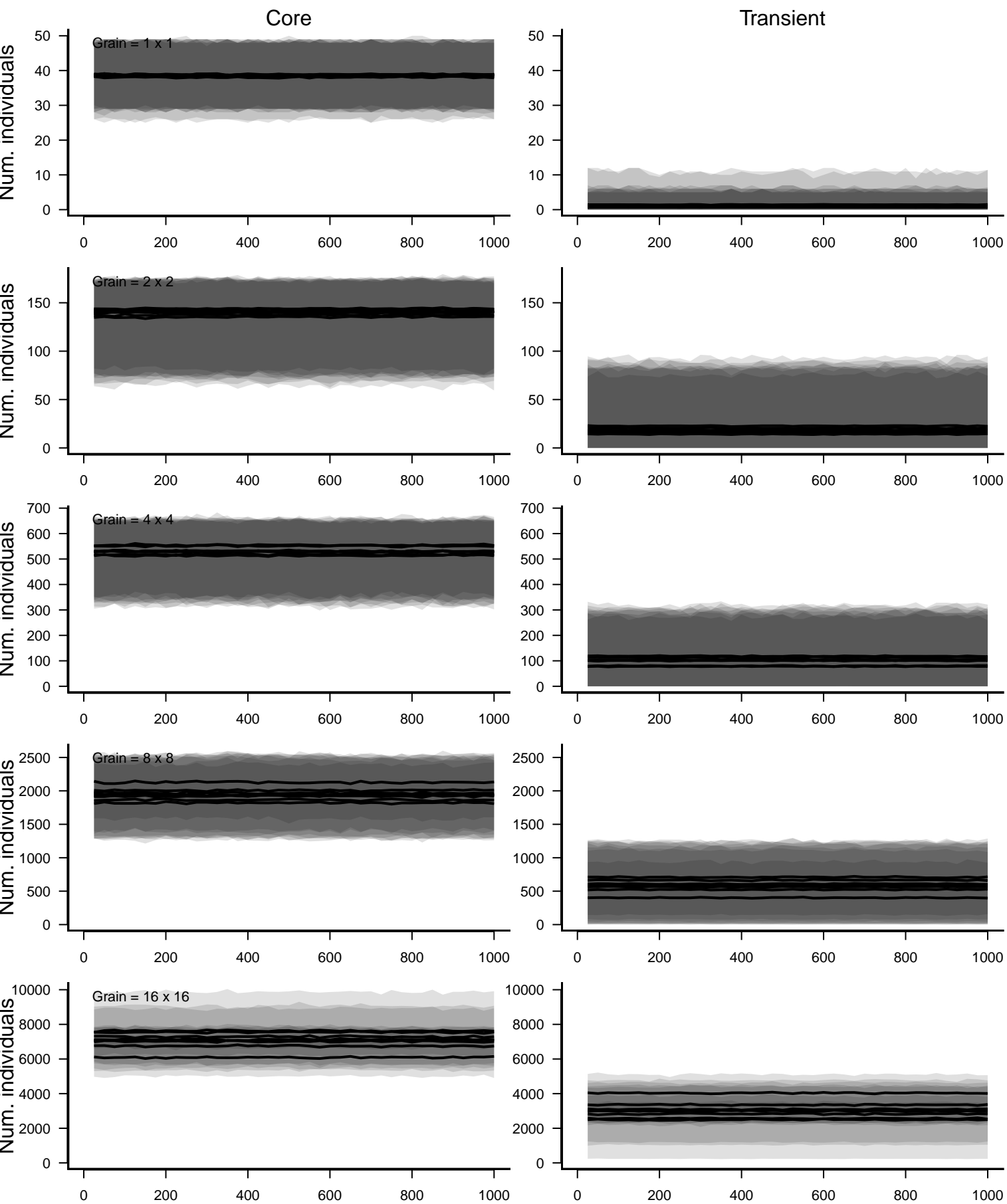
Birth rate–based categories: detection prob. = 0.4



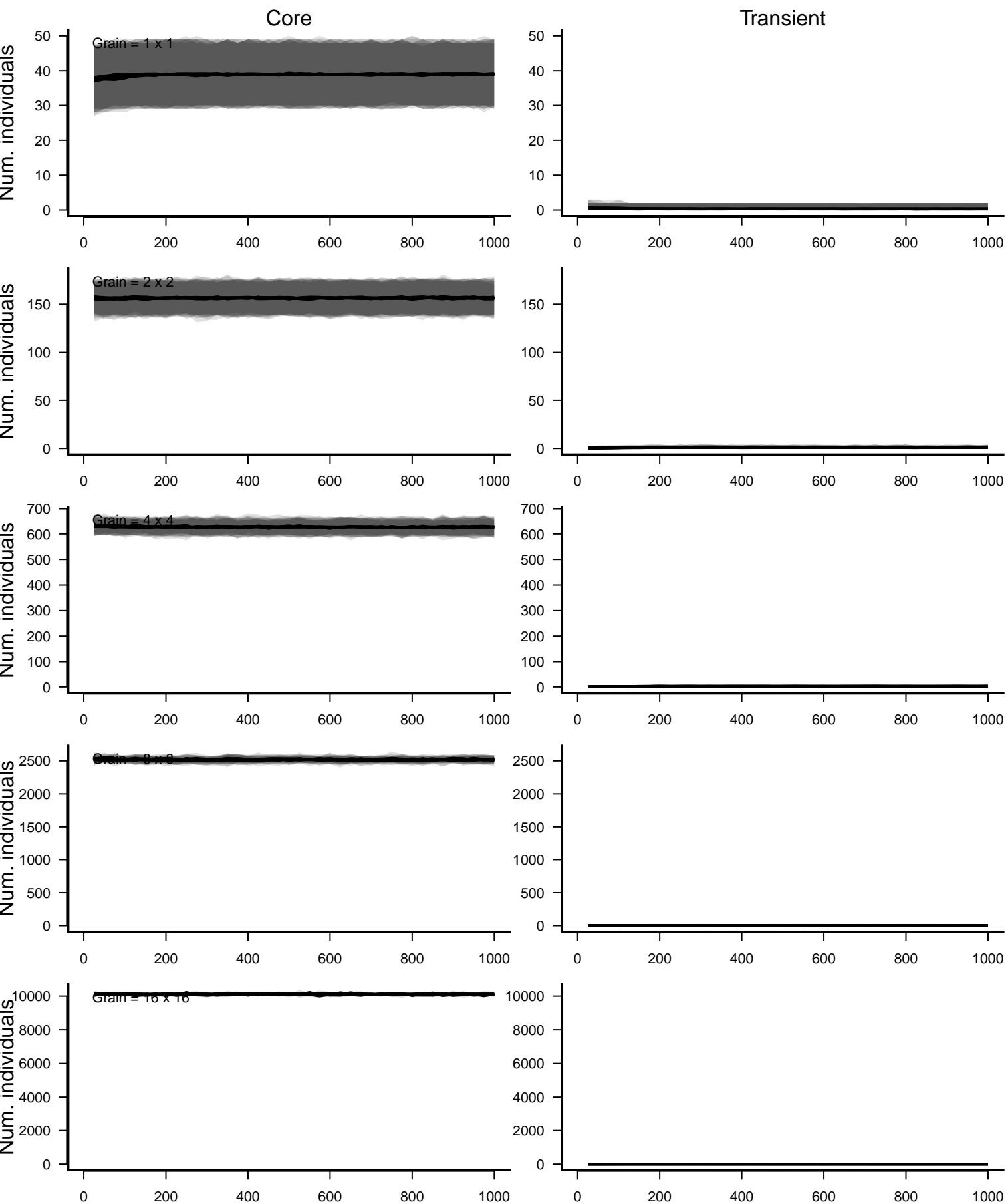
Temporal occupancy-based categories: detection prob. = 0.4



Birth rate–based categories: detection prob. = 0.4

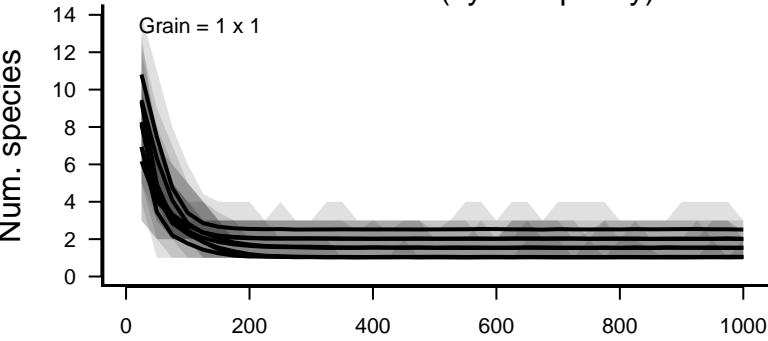


Temporal occupancy-based categories: detection prob. = 0.4

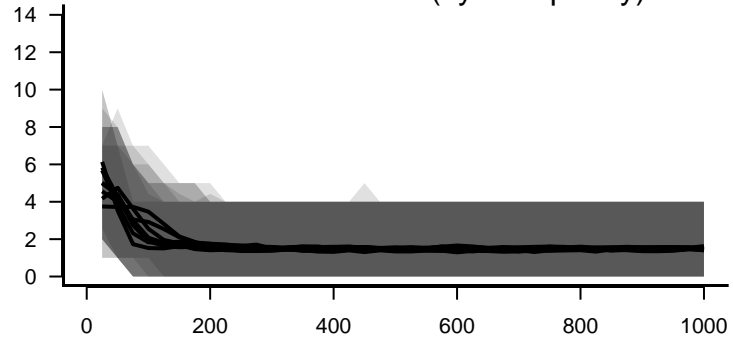


Birth rate–based Core Species: detection prob. = 0.4

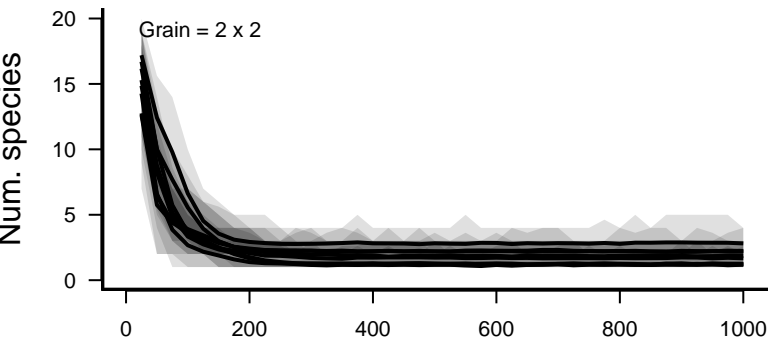
Classified Core (by occupancy)



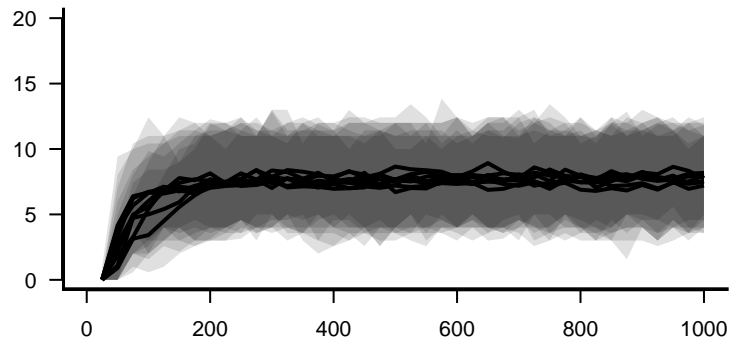
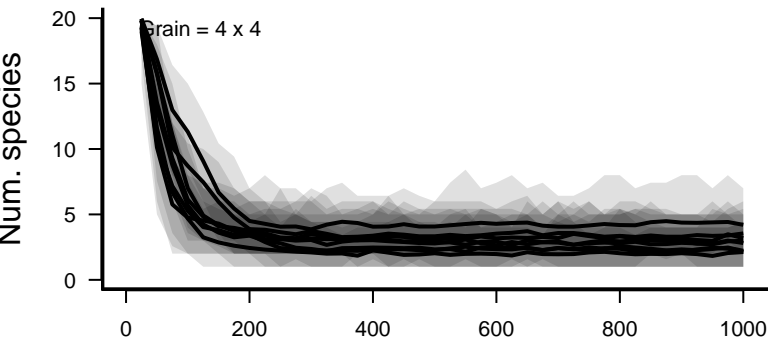
Classified Transient (by occupancy)



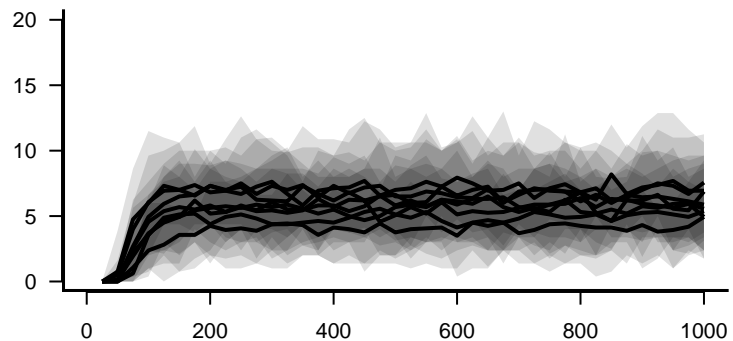
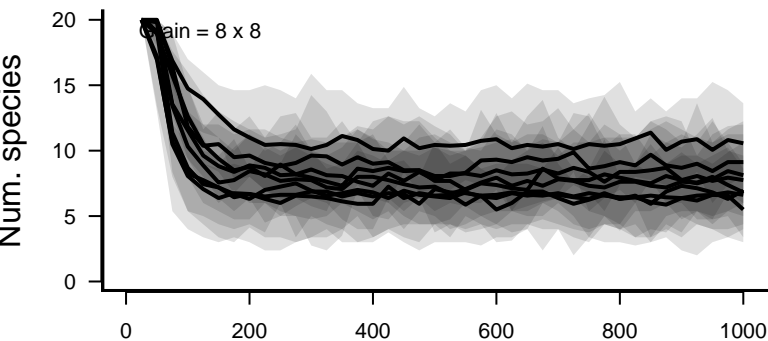
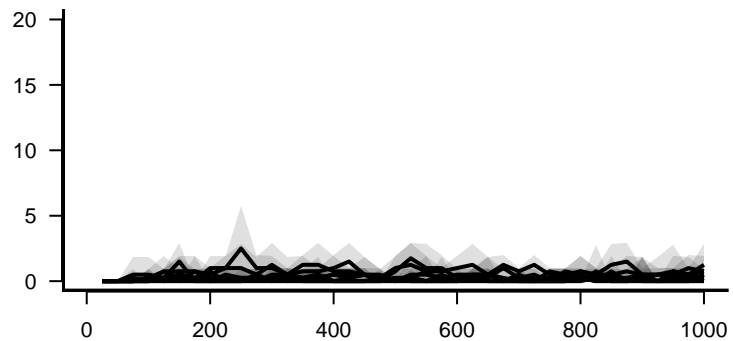
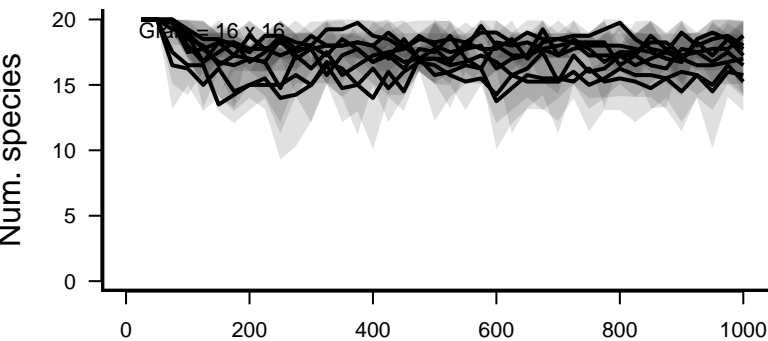
Grain = 2 x 2



Grain = 4 x 4

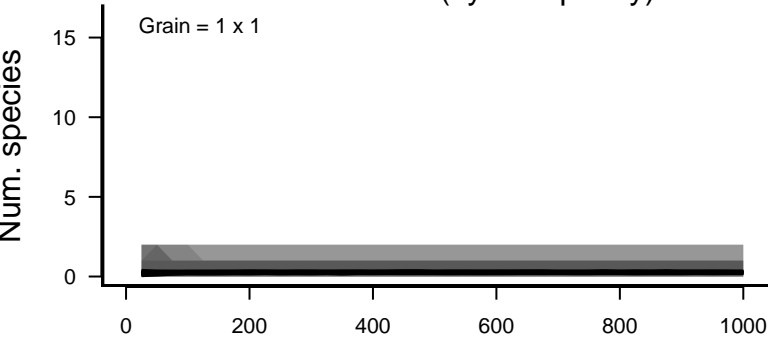


Chain = 8 x 8

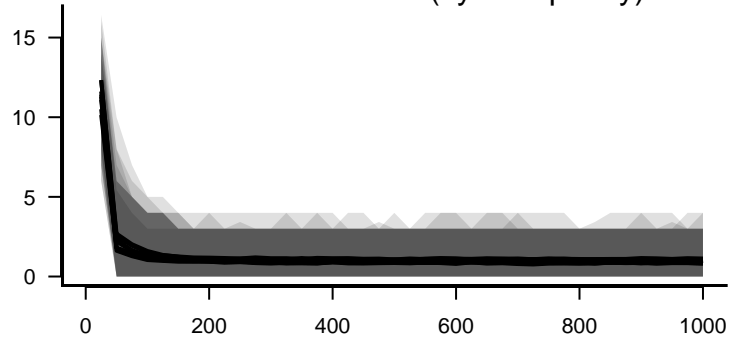

$$G_{\text{max}} = 16 \times 2$$


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

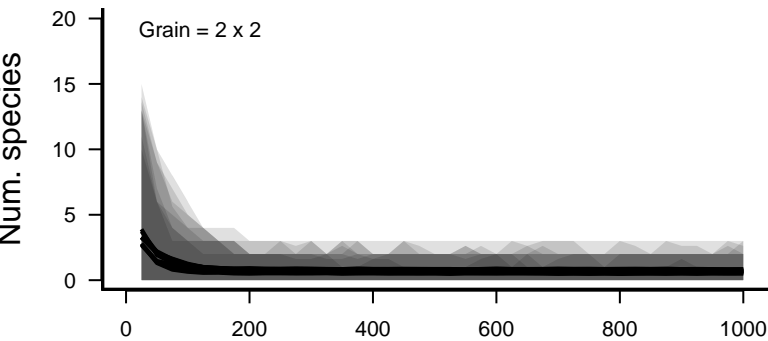
Classified Core (by occupancy)



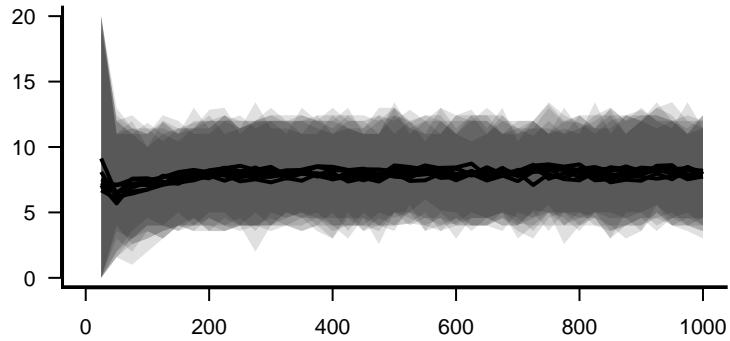
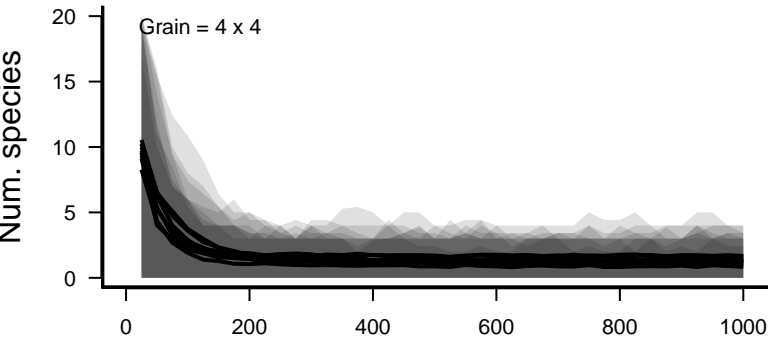
Classified Transient (by occupancy)



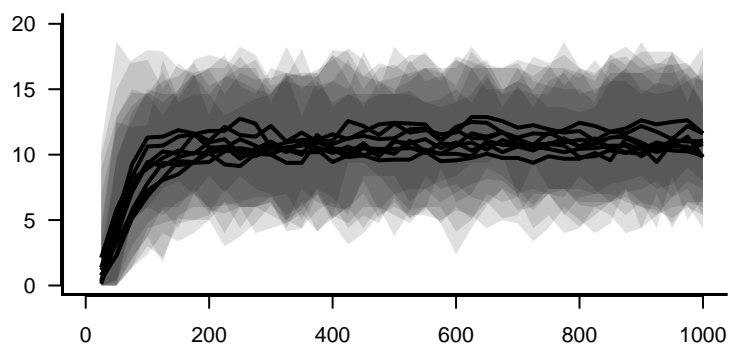
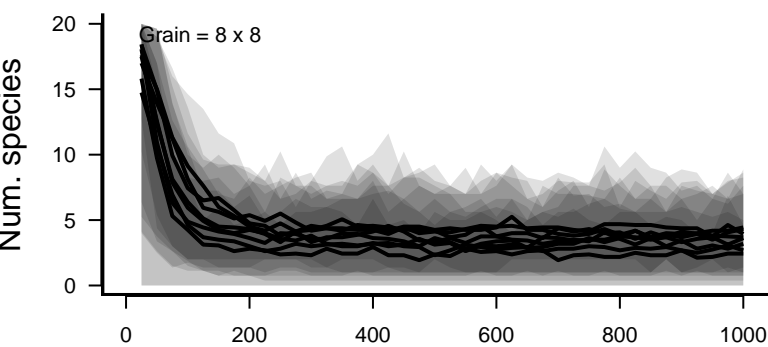
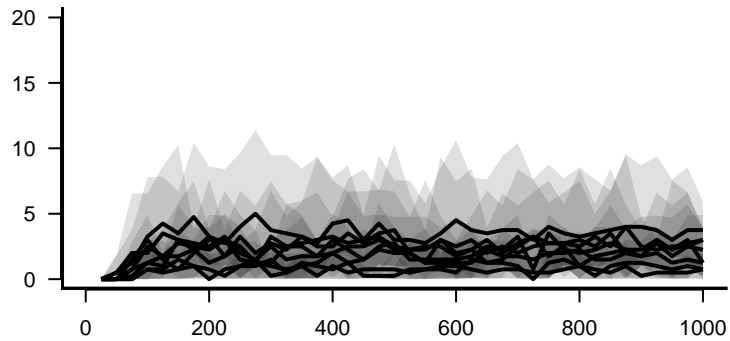
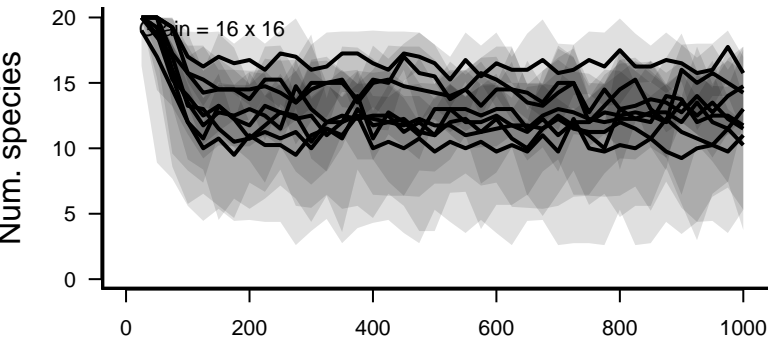
Grain = 2 x 2



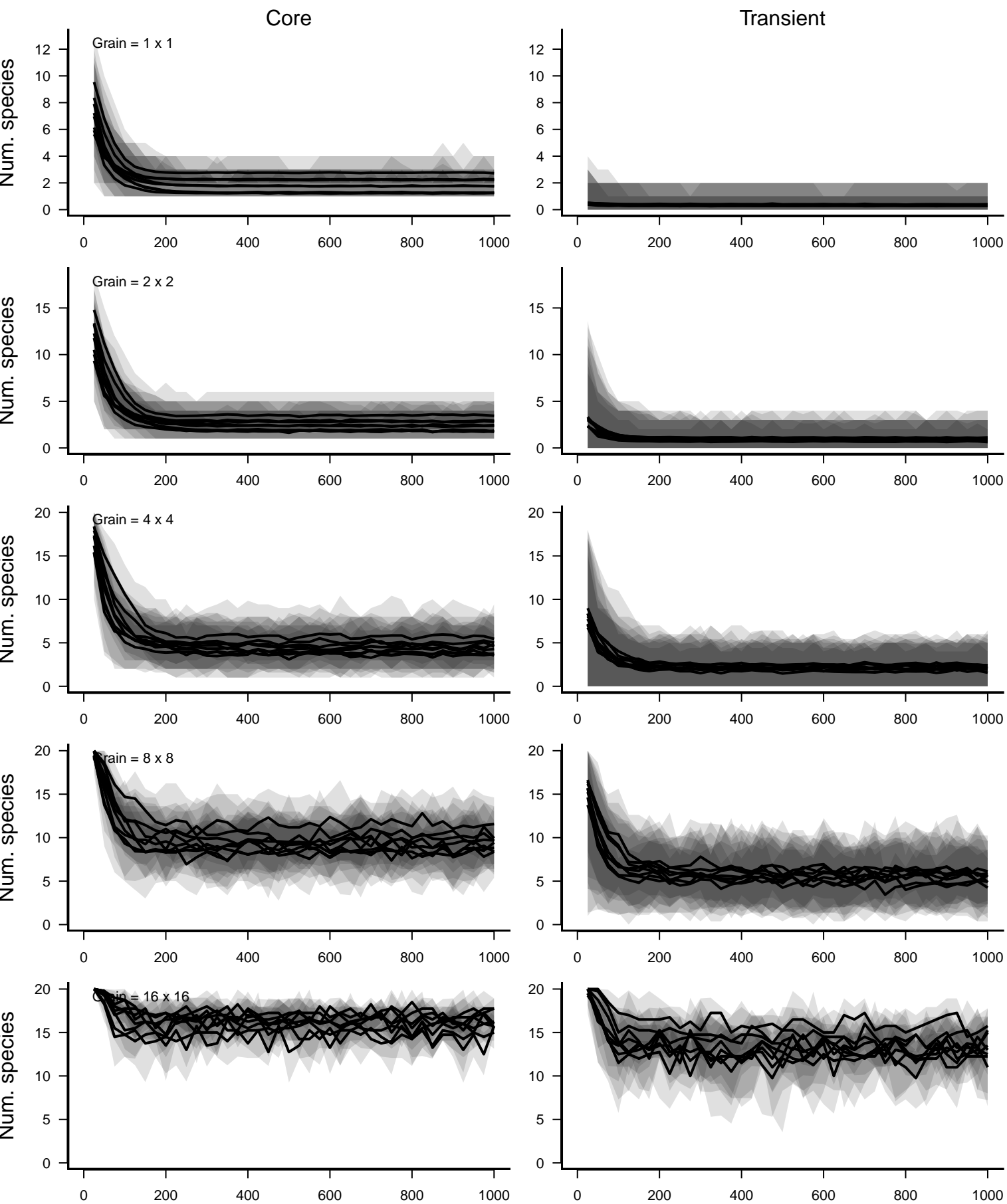
Grain = 4 x 4



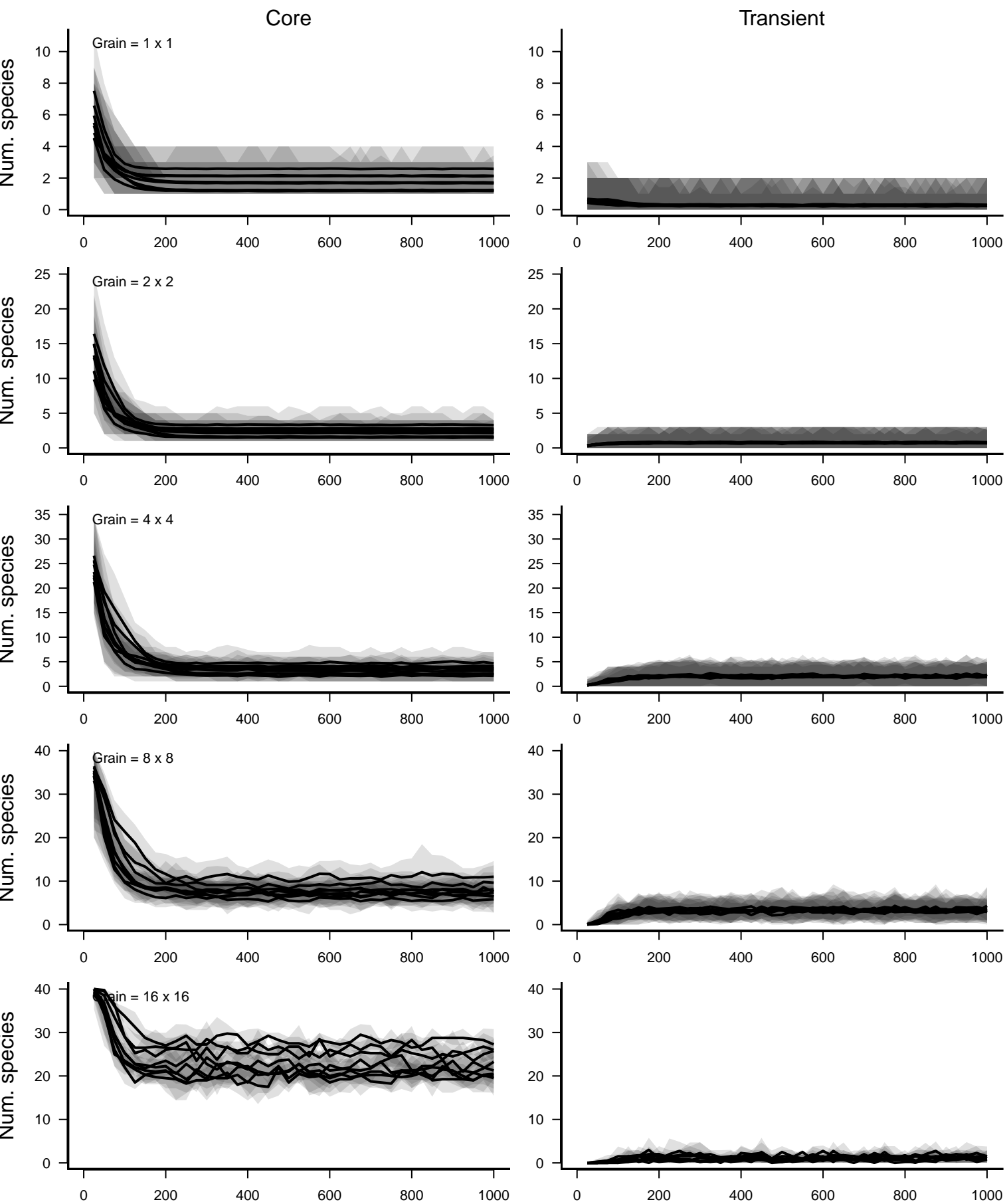
Grain = 8 x 8


$$Q_{in} = 16 \times 1$$


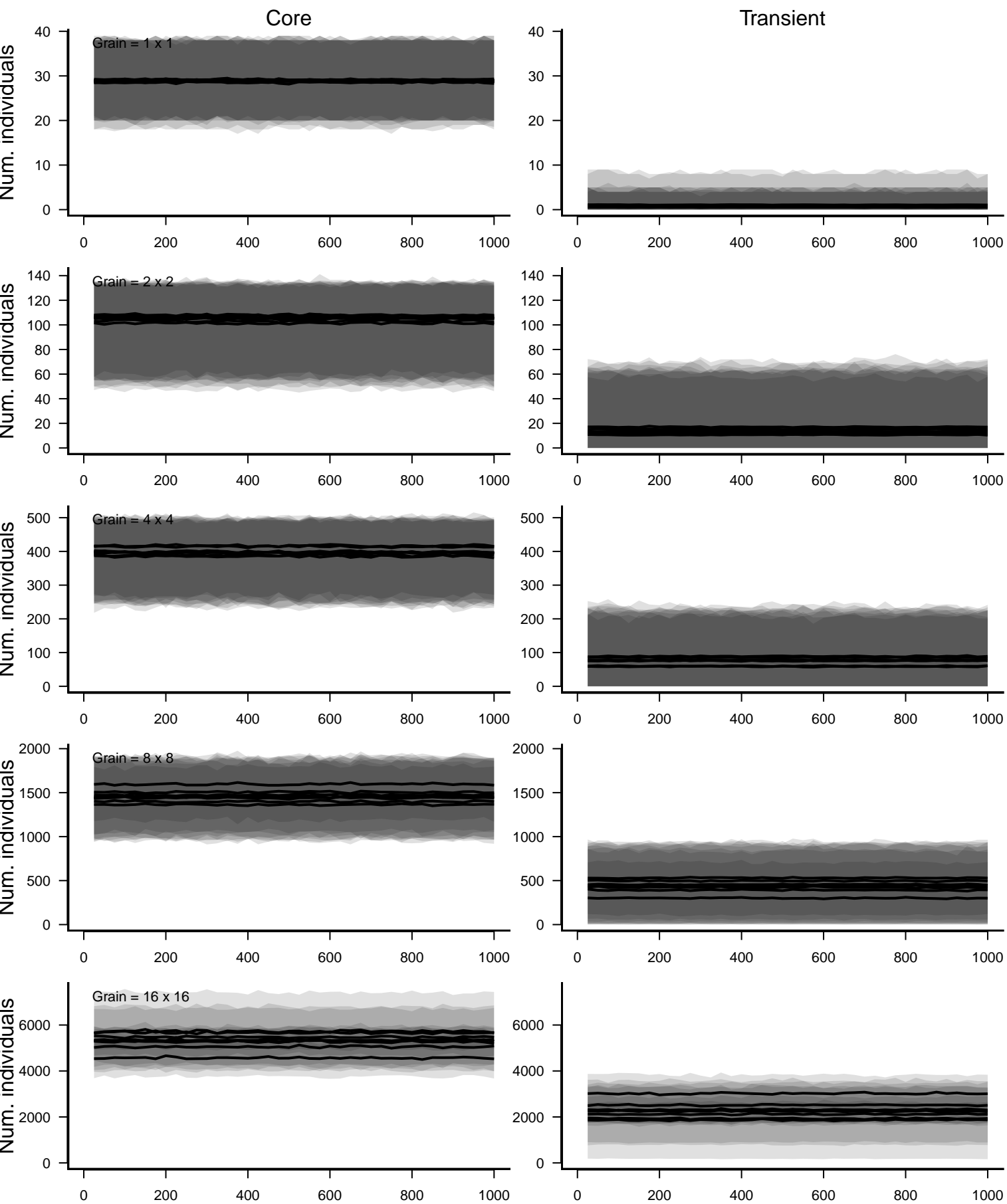
Birth rate–based categories: detection prob. = 0.3



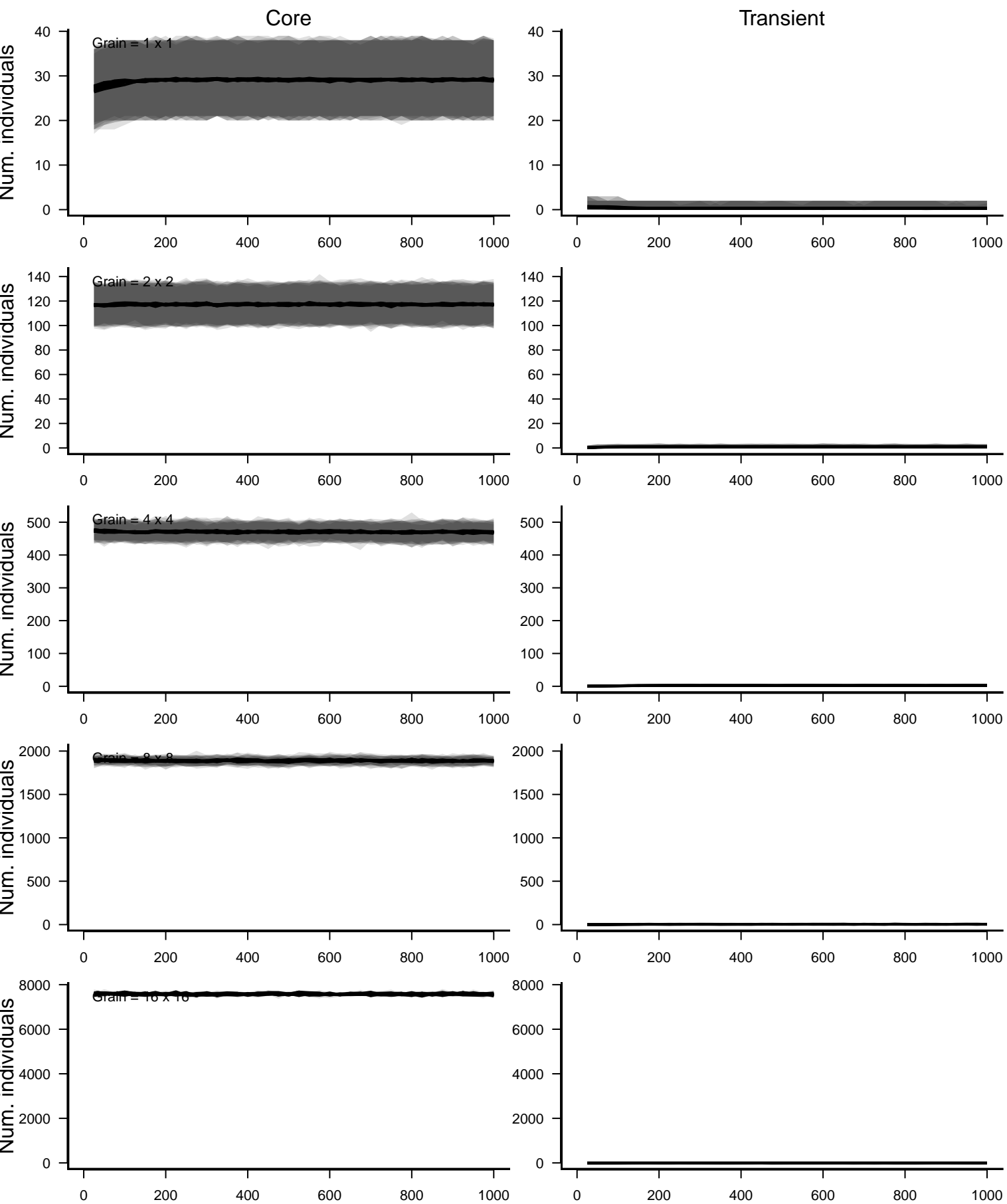
Temporal occupancy-based categories: detection prob. = 0.3



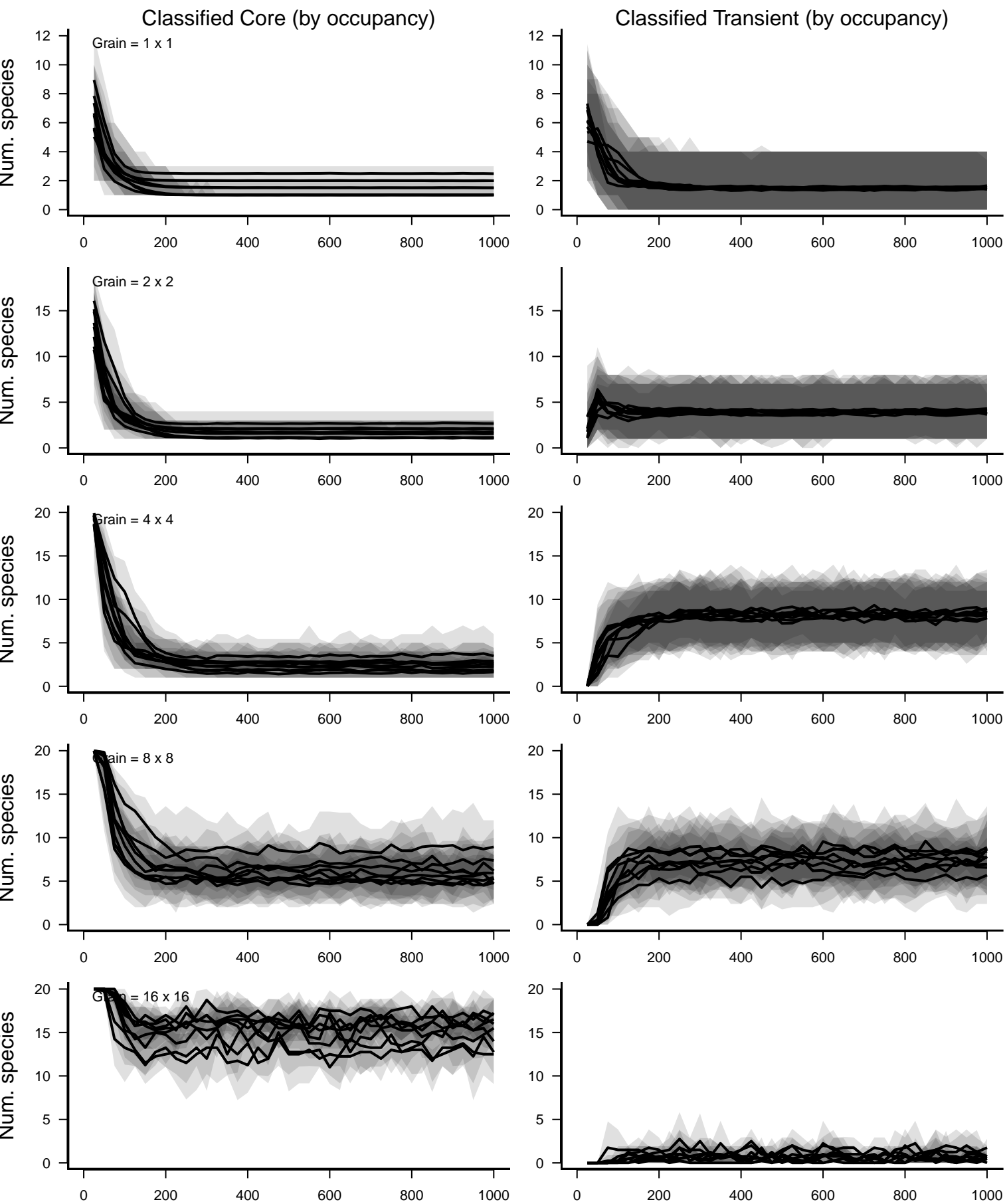
Birth rate–based categories: detection prob. = 0.3



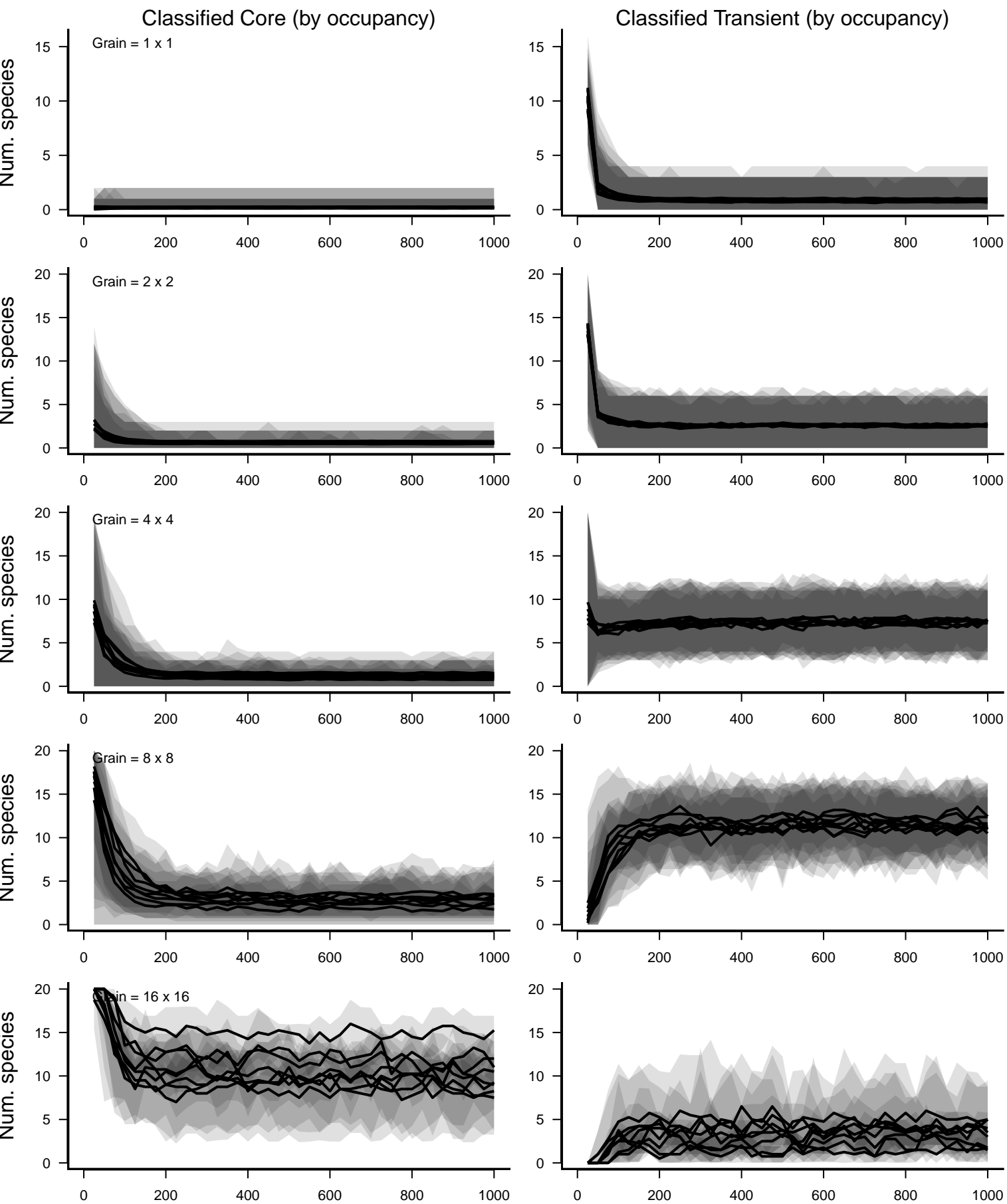
Temporal occupancy-based categories: detection prob. = 0.3



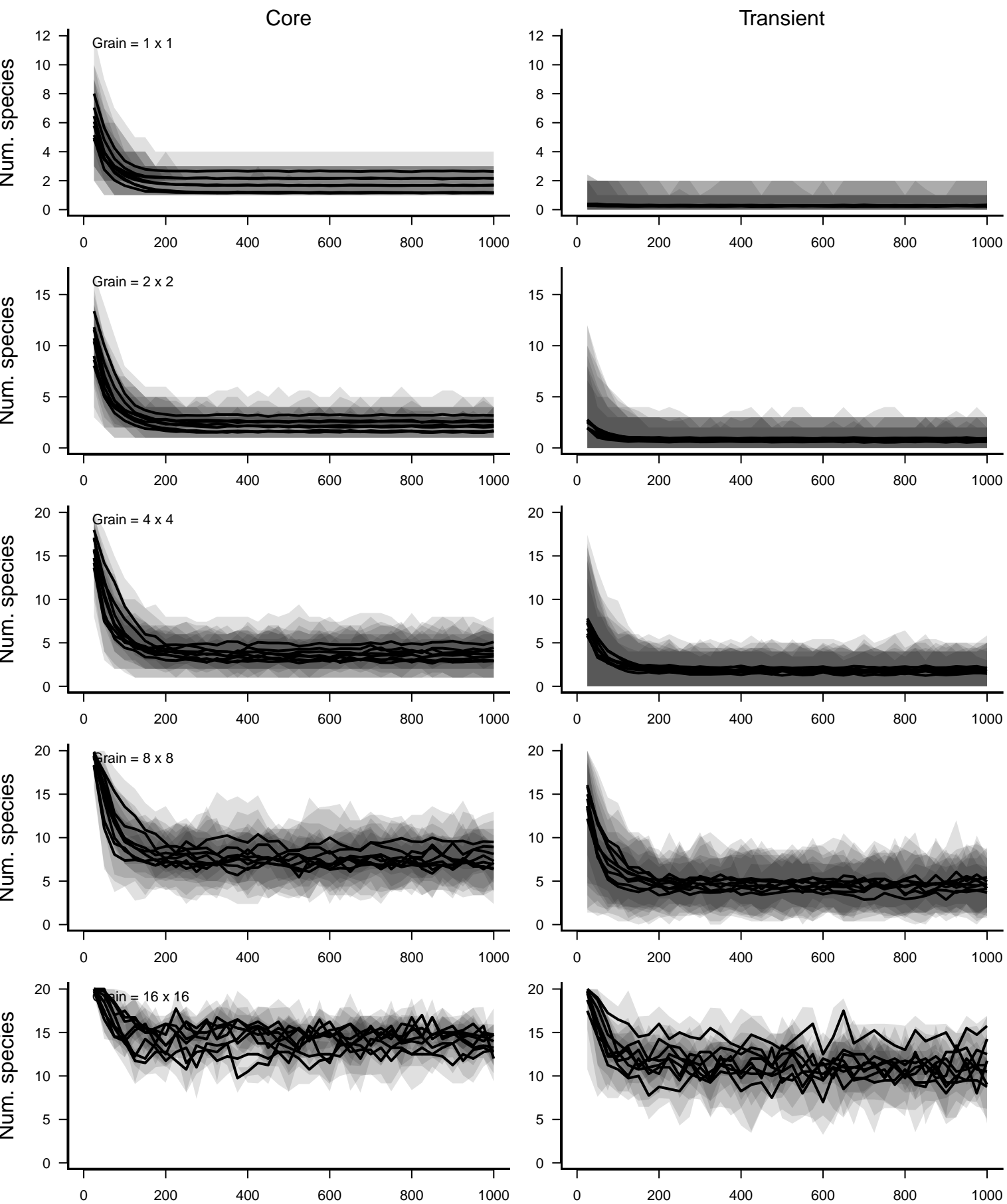
Birth rate–based Core Species: detection prob. = 0.3



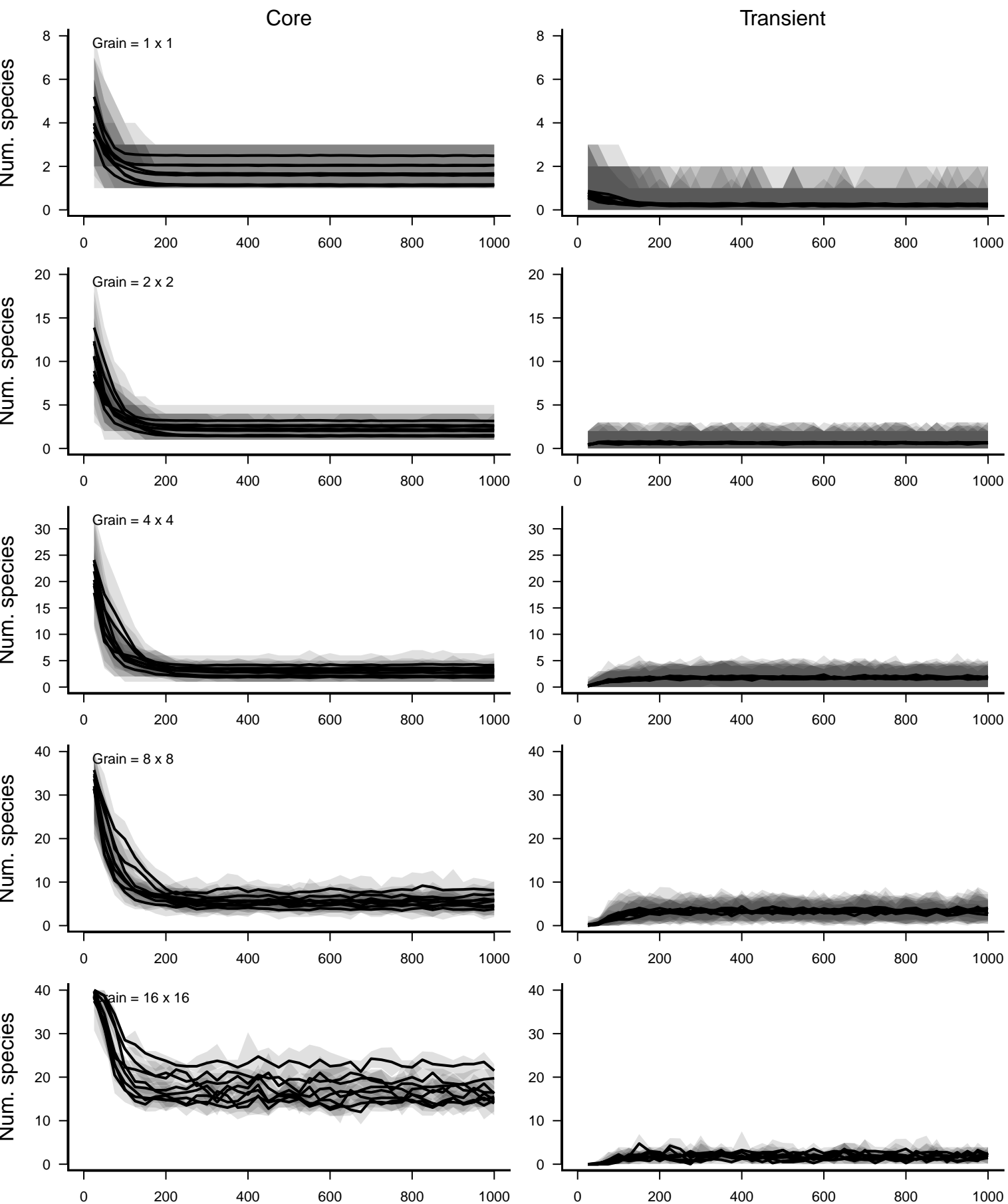
Birth rate–based Transient Species: detection prob. = 0.3



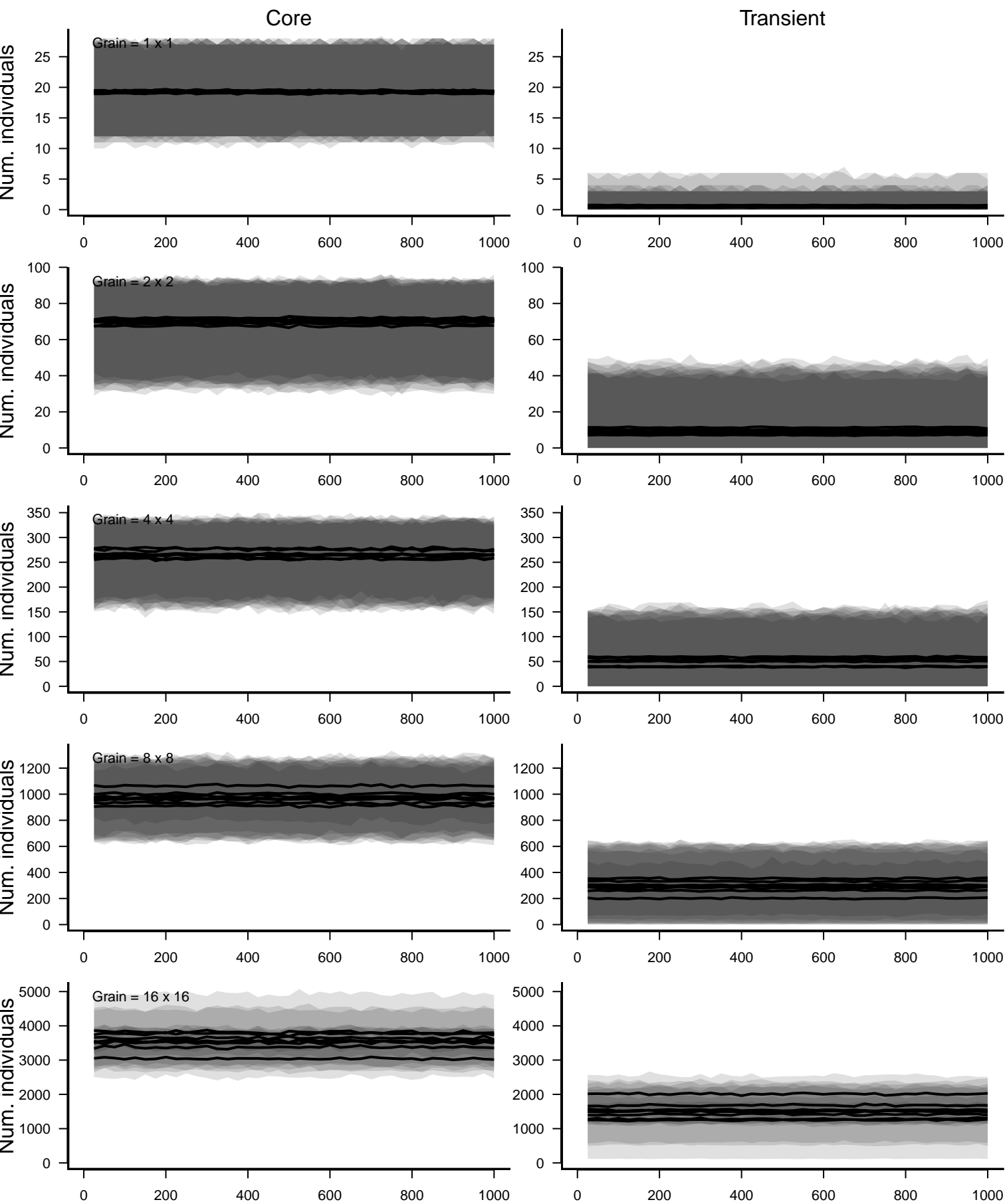
Birth rate-based categories: detection prob. = 0.2



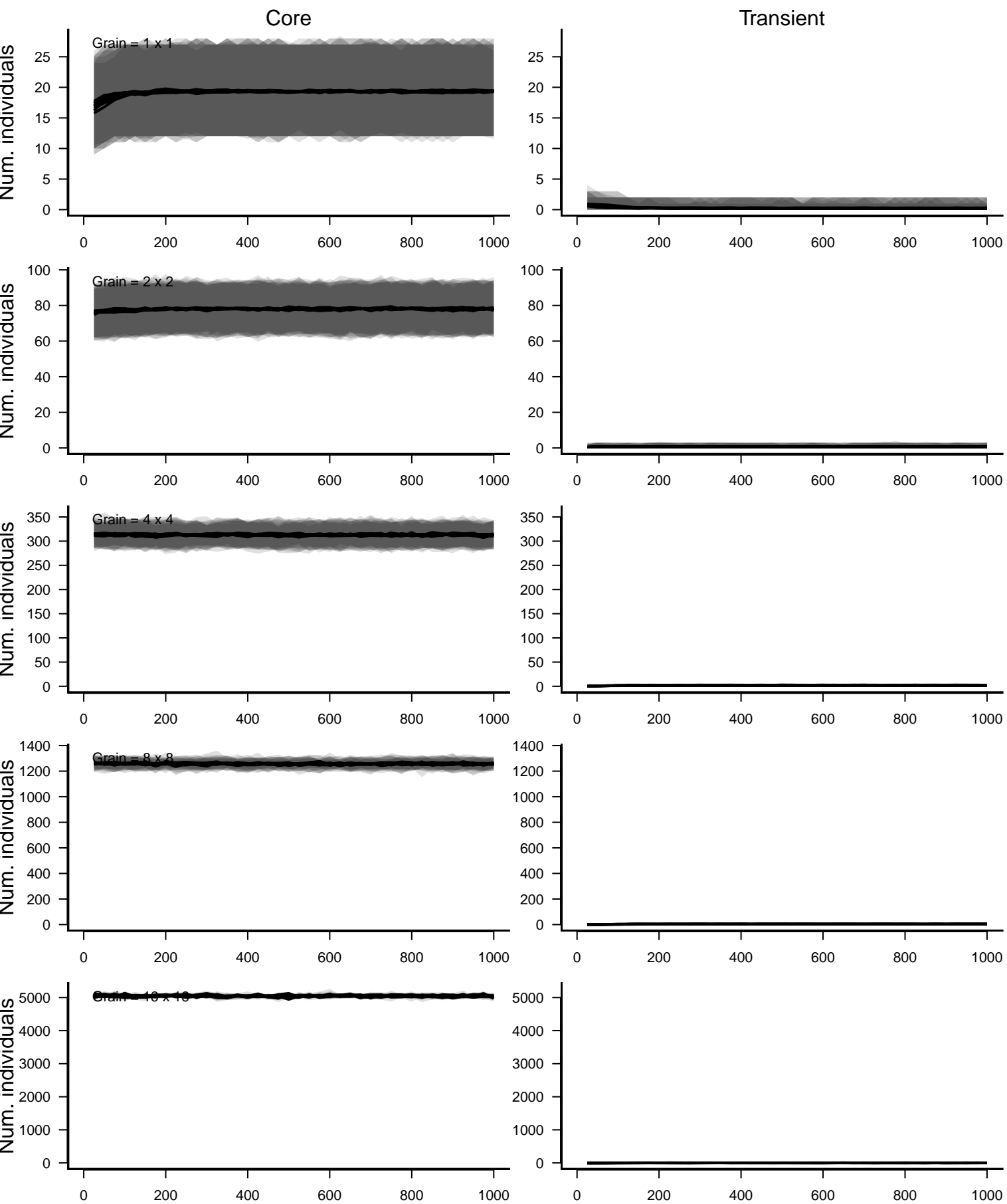
Temporal occupancy-based categories: detection prob. = 0.2



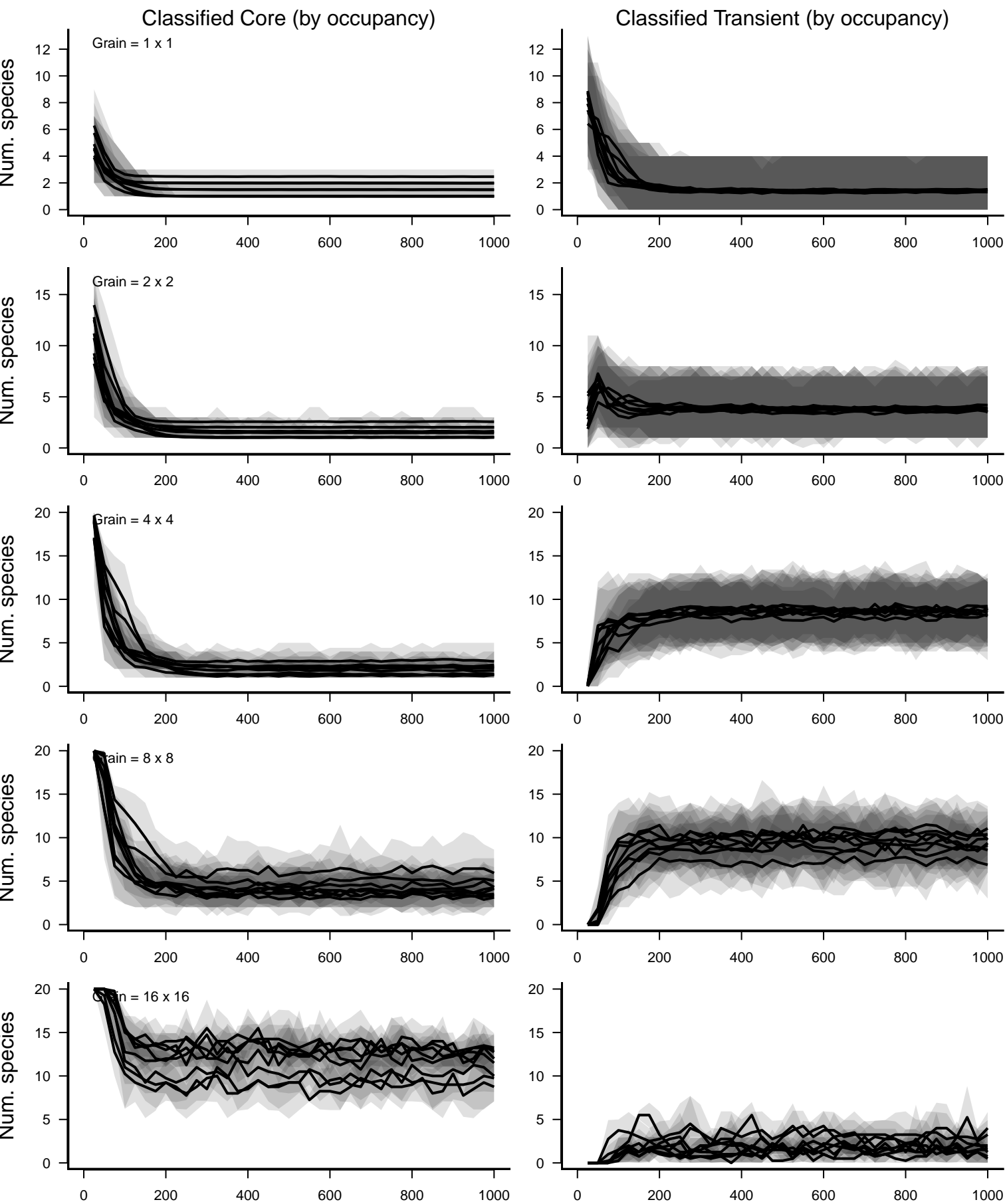
Birth rate–based categories: detection prob. = 0.2



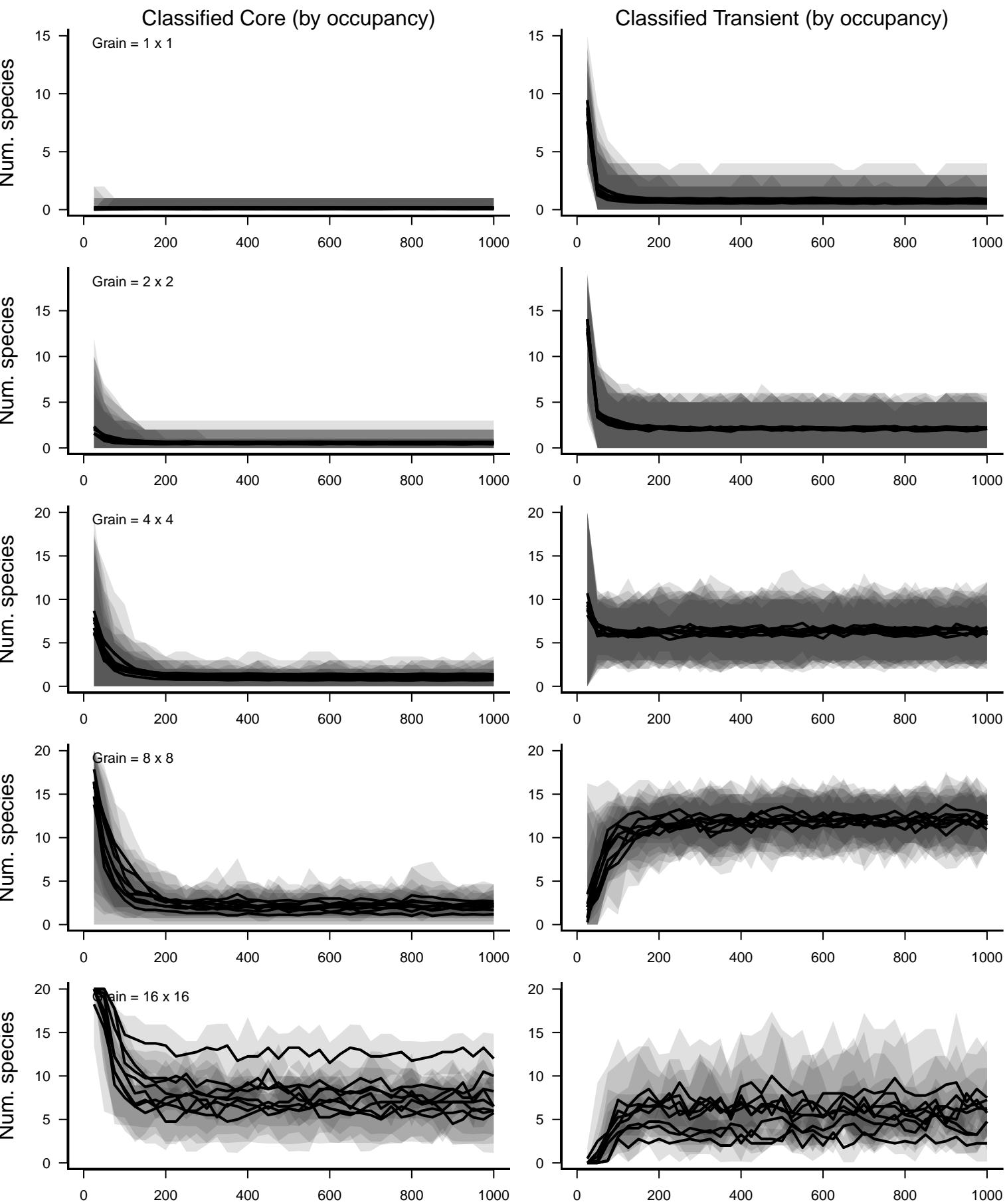
Temporal occupancy-based categories: detection prob. = 0.2



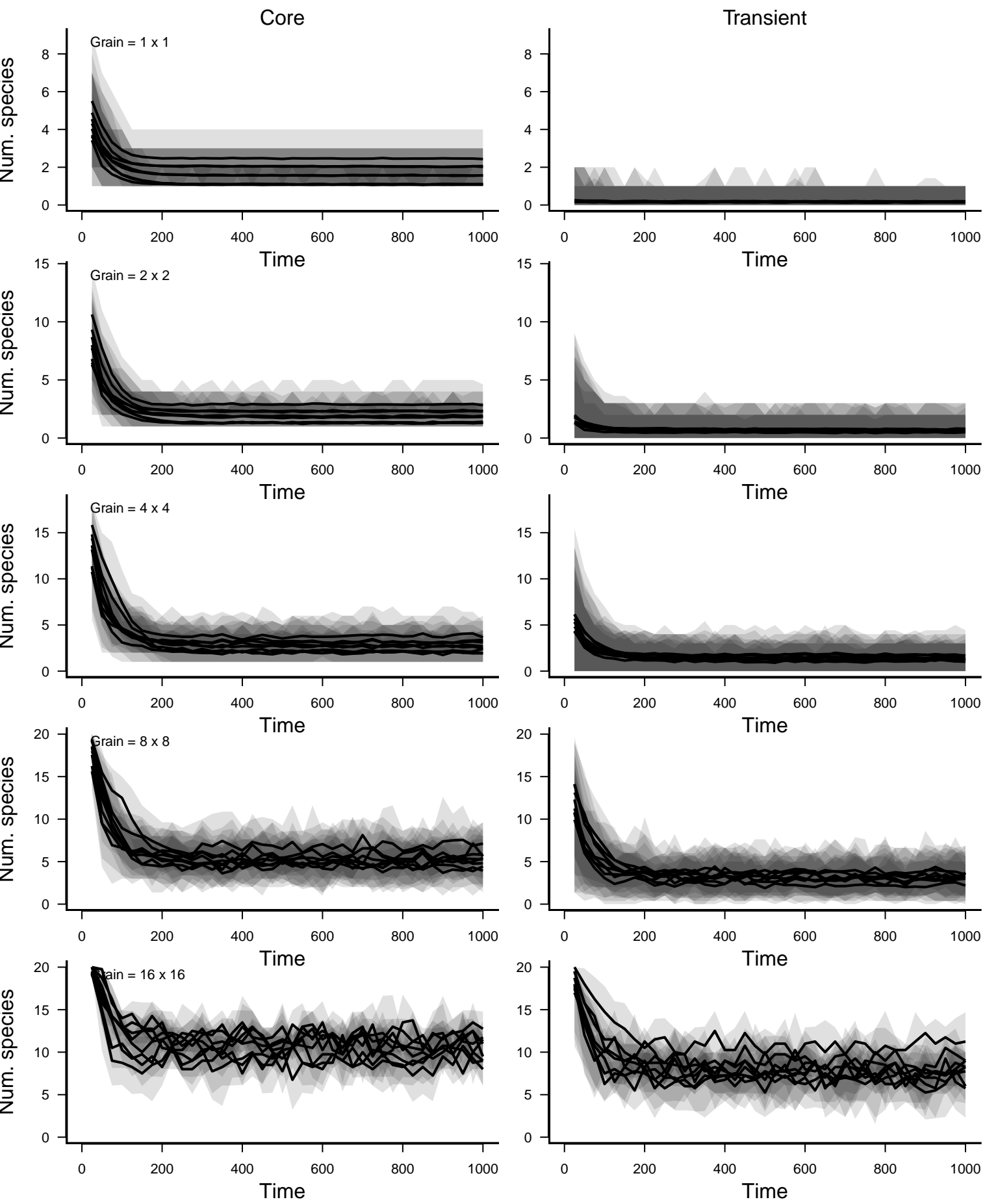
Birth rate–based Core Species: detection prob. = 0.2



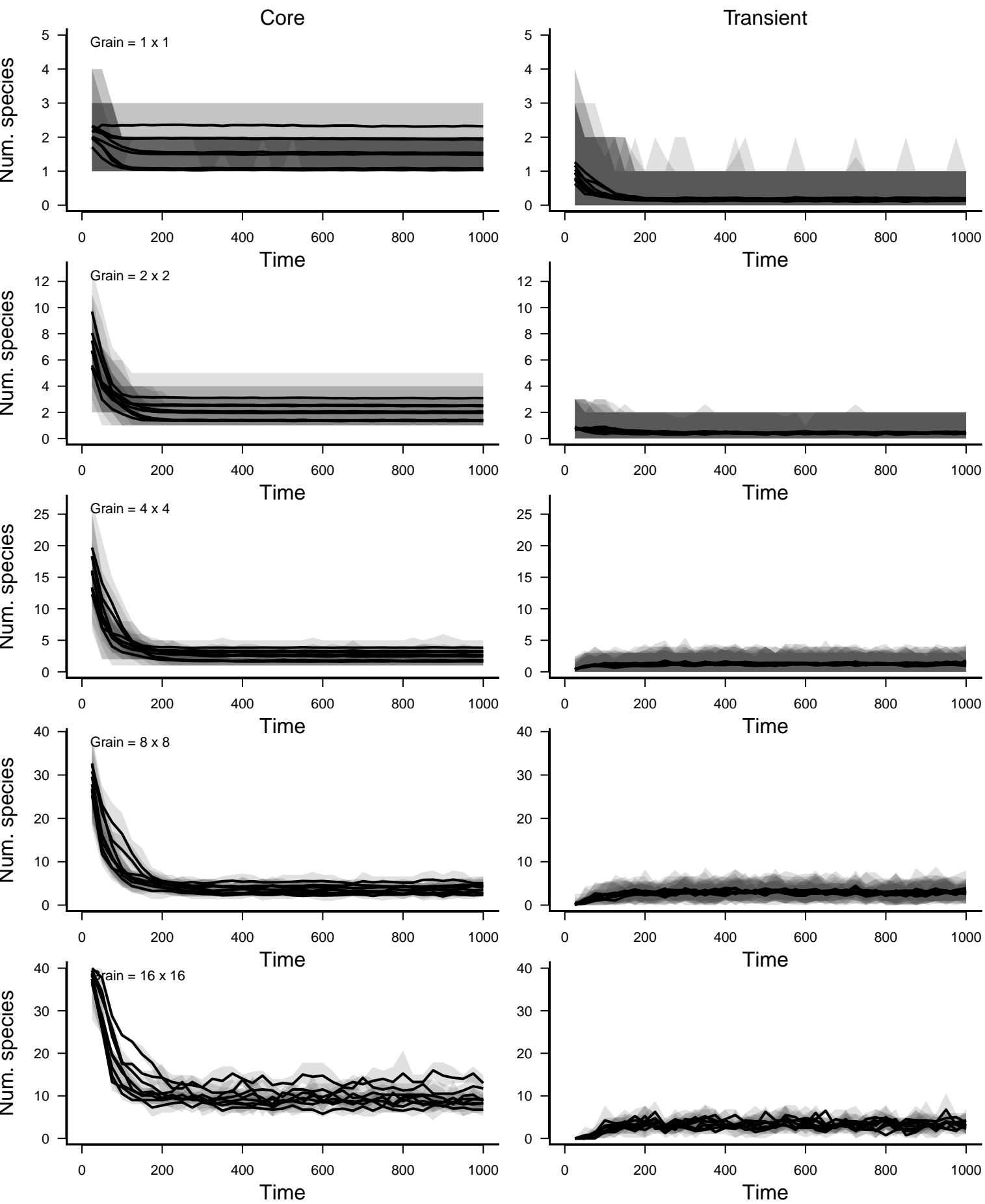
Birth rate–based Transient Species: detection prob. = 0.2



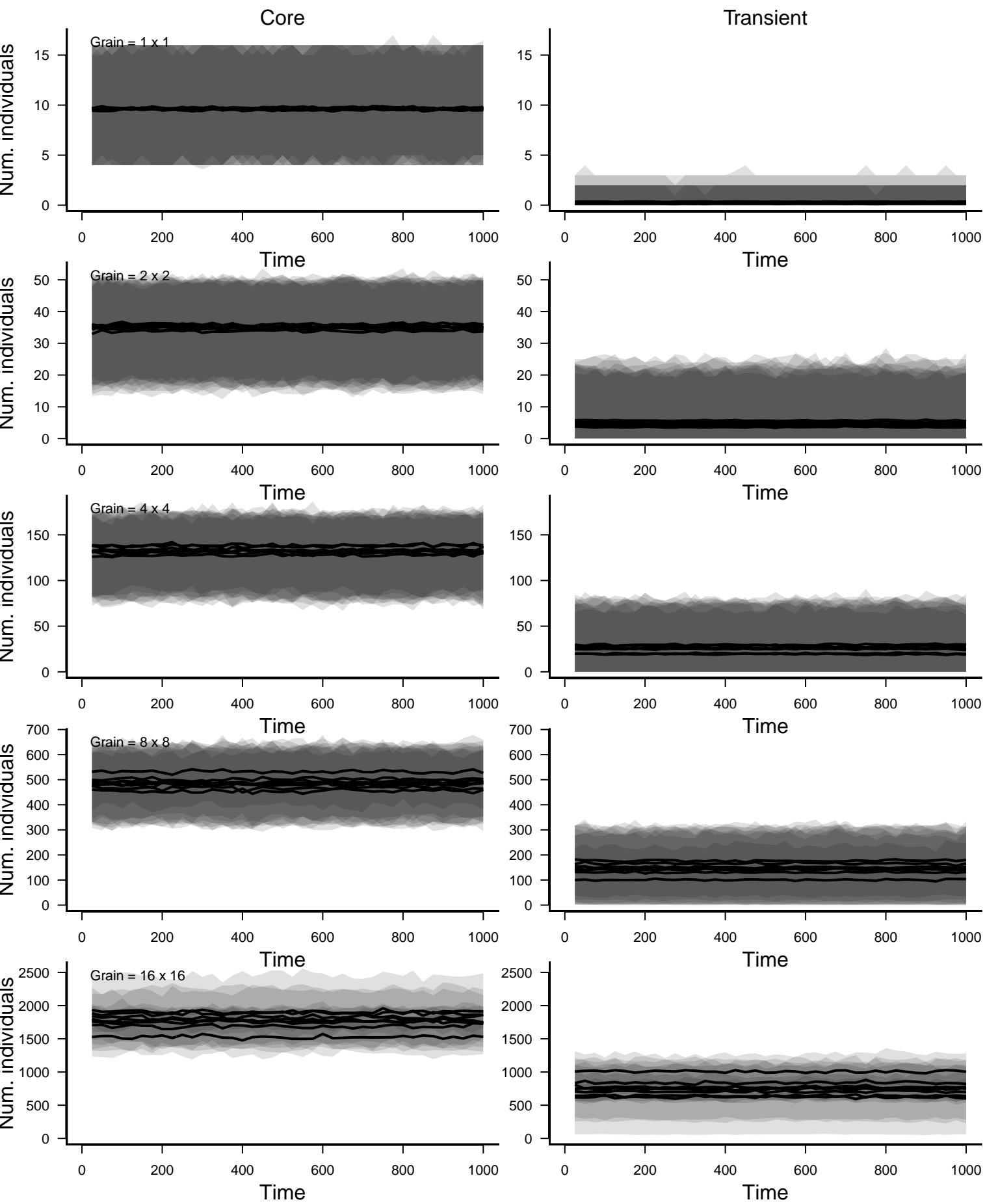
Birth rate–based categories: detection prob. = 0.1



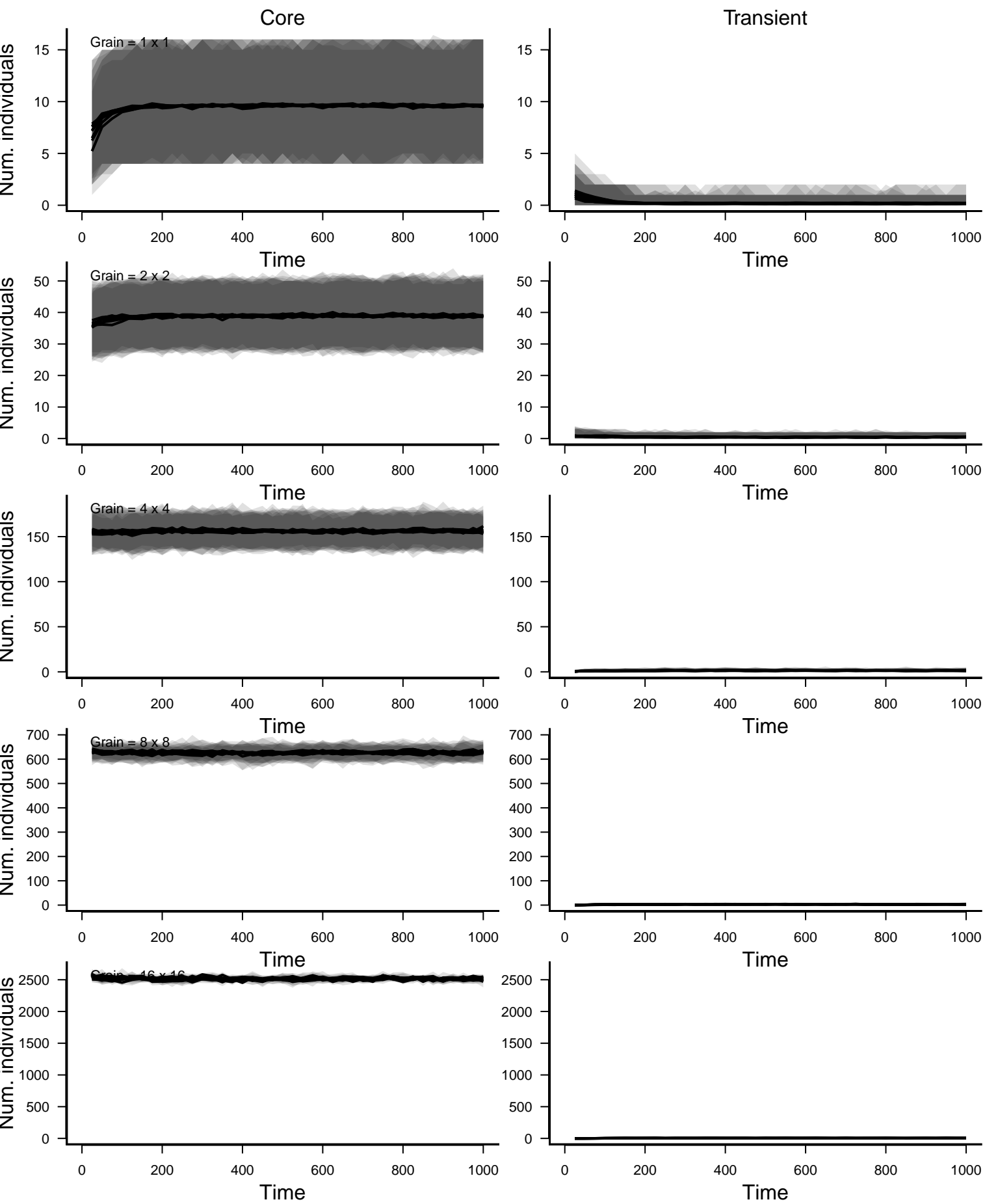
Temporal occupancy-based categories: detection prob. = 0.1



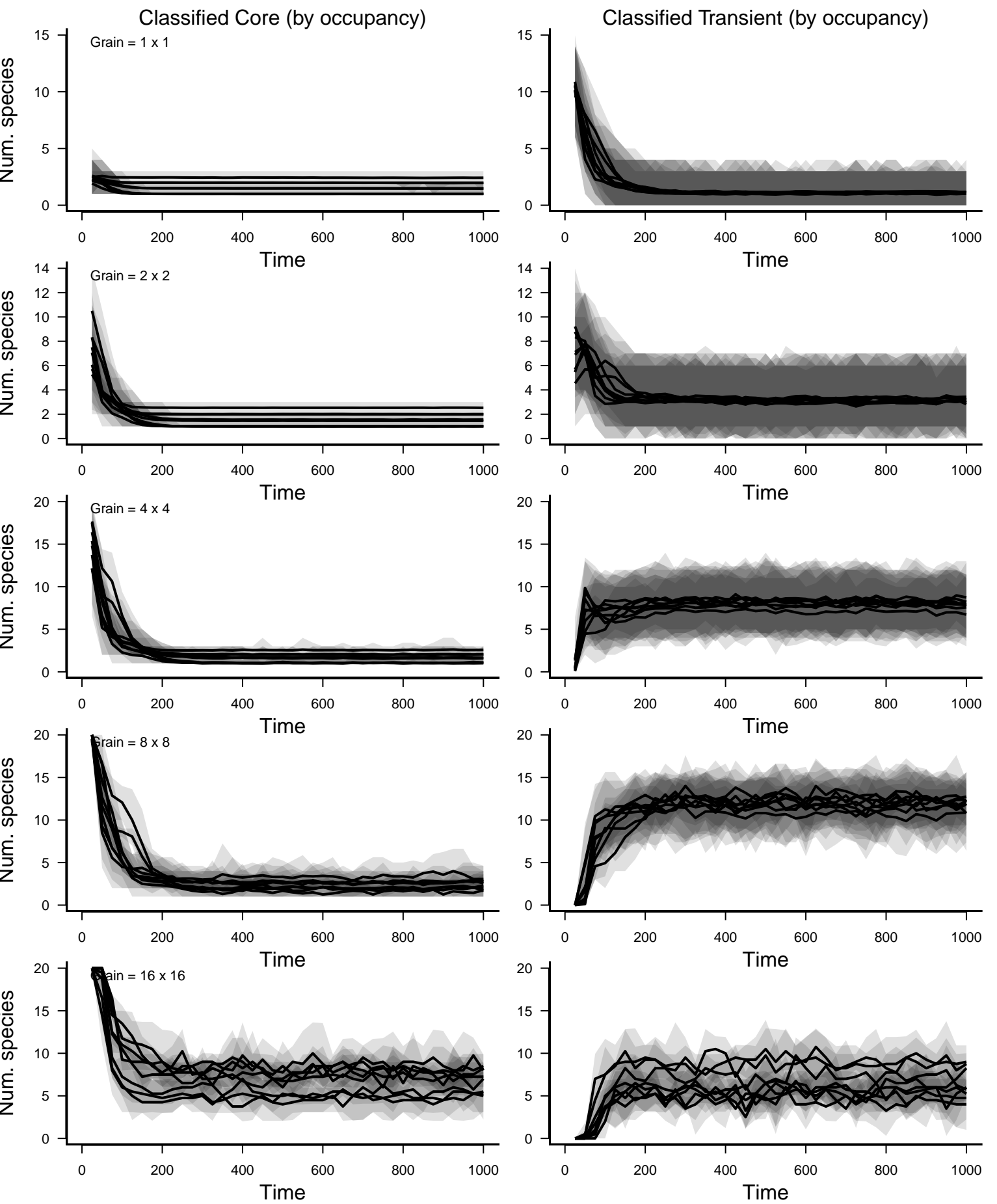
Birth rate–based categories: detection prob. = 0.1



Temporal occupancy-based categories: detection prob. = 0.1



Birth rate–based Core Species: detection prob. = 0.1



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

