



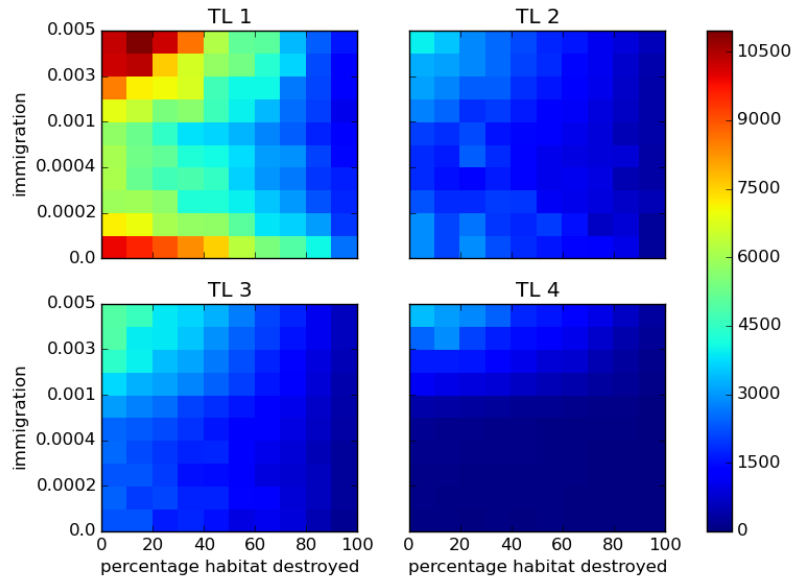
## APPENDIX B

Temporary appendix to discuss plots suggested by Daniel and Jose (see email dated November 9th)

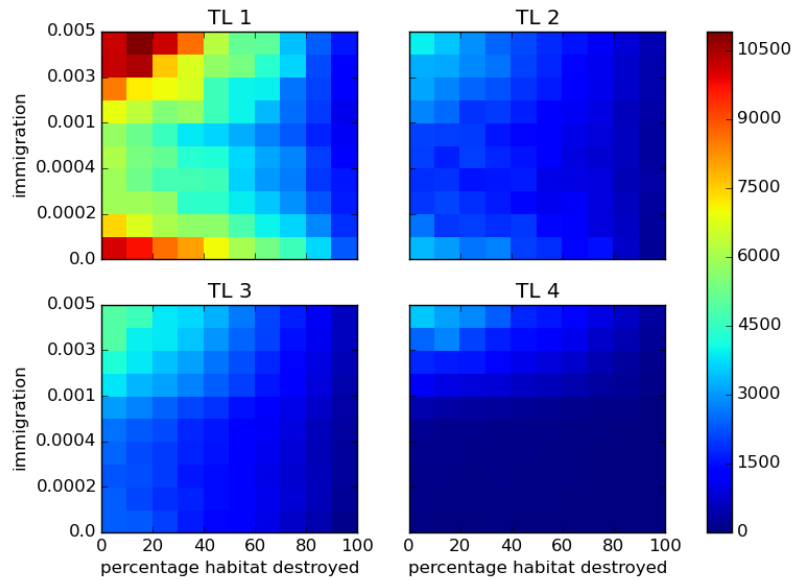
### A.1 Heatmaps of total abundance [6]

Here we plot again results from the simulations presented in chapter 4. This time we show *total abundances* instead of relative abundances. These are plotted by trophic level and functional group.

For comparison we calculate these plots in two different ways: 1) From snapshot of abundances at final iteration, 2) from averaged abundances over final 4000 iterations. We find that these two ways of calculating the results are very similar - this is good news! (And will go into the chapter on stationarity to prove the our sampling method is OK).

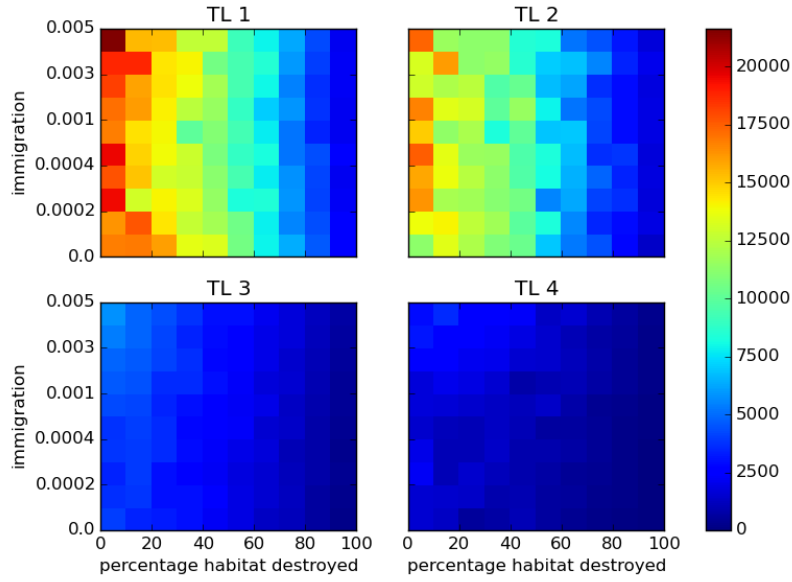


(a) 'Snapshot' results

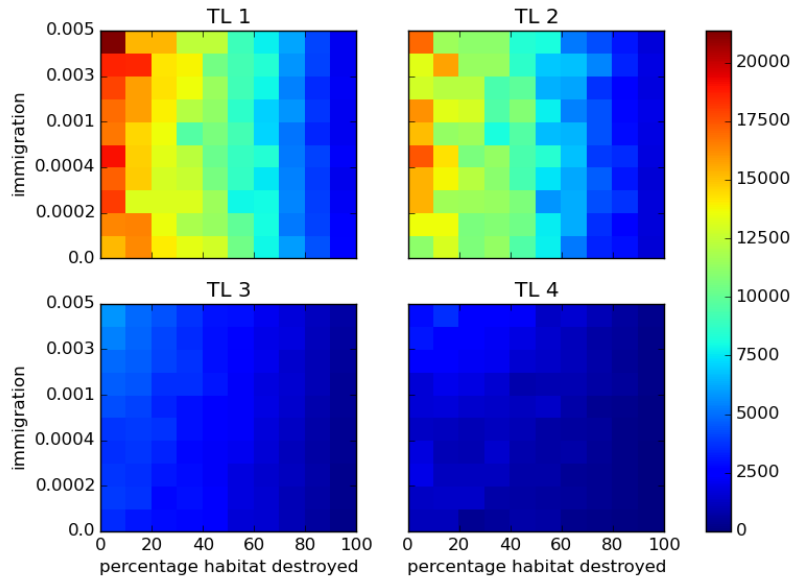


(b) 'Averaged' results (4000 iterations)

Figure A.1: **MAI=0.0**: The number of individuals belonging to each trophic level, across the region of parameter space explored in chapter 4. (A) Calculated from snapshots. (B) Calculated by averaging species abundances over the last 4000 iterations of the simulations.

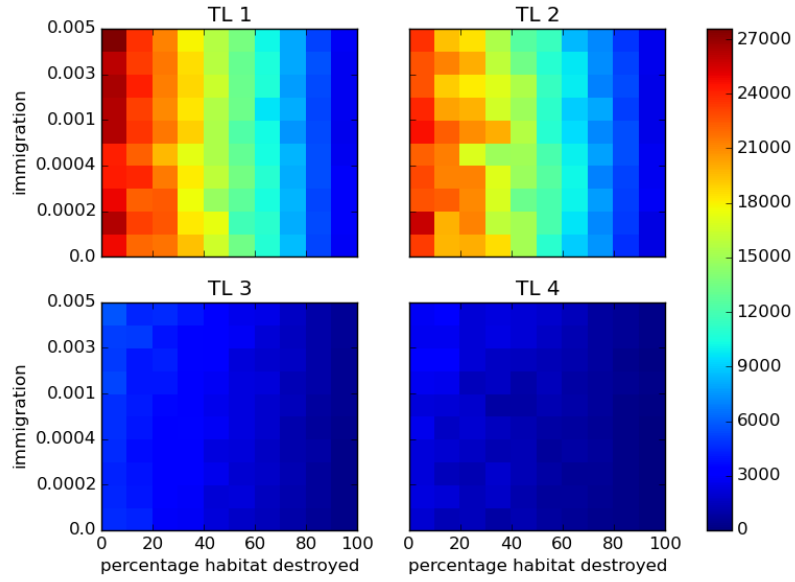


(a) 'Snapshot' results

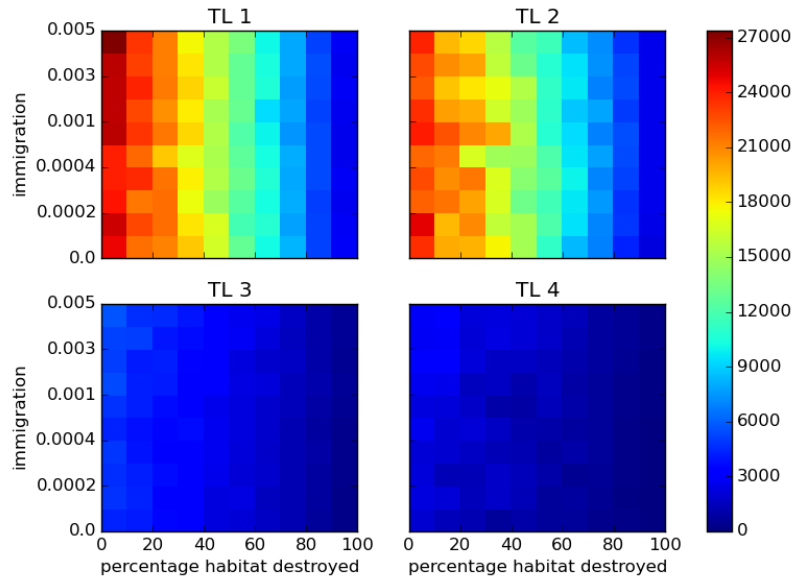


(b) 'Averaged' results (4000 iterations)

Figure A.2: **MAI=0.5**: Absolute abundance plots, as described in caption of figure A.1.



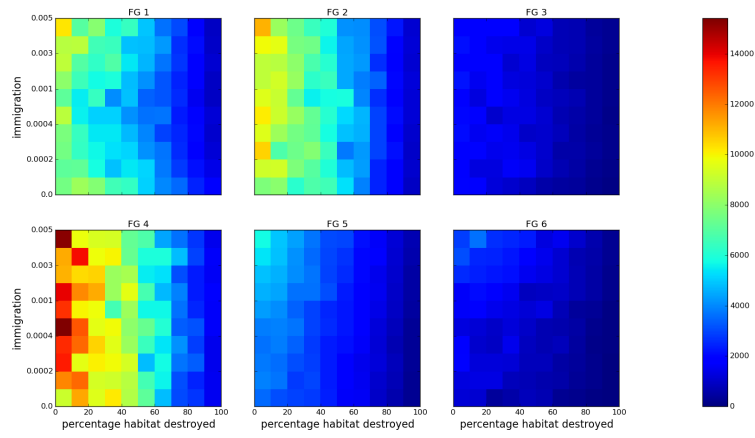
(a) 'Snapshot' results



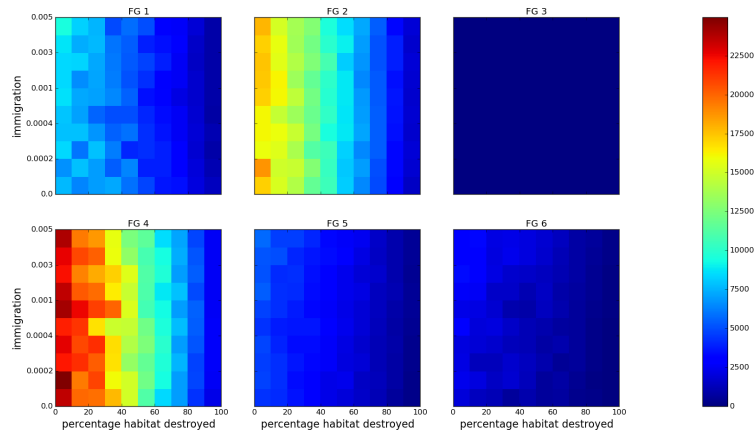
(b) 'Averaged' results (4000 iterations)

Figure A.3: **MAI=1.0**: Absolute abundance plots, as described in caption of figure A.1.

## A.1. HEATMAPS OF TOTAL ABUNDANCE [6]



(a)  $MAI = 0.5$



(b)  $MAI = 1.0$

Figure A.4: Number of individuals belonging to each functional group (FG).



## **BIBLIOGRAPHY**

