

Explore Fish Biomass 2017-2018: Figures

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Figure 1 - Biomass vs Rainfall: Boxplot

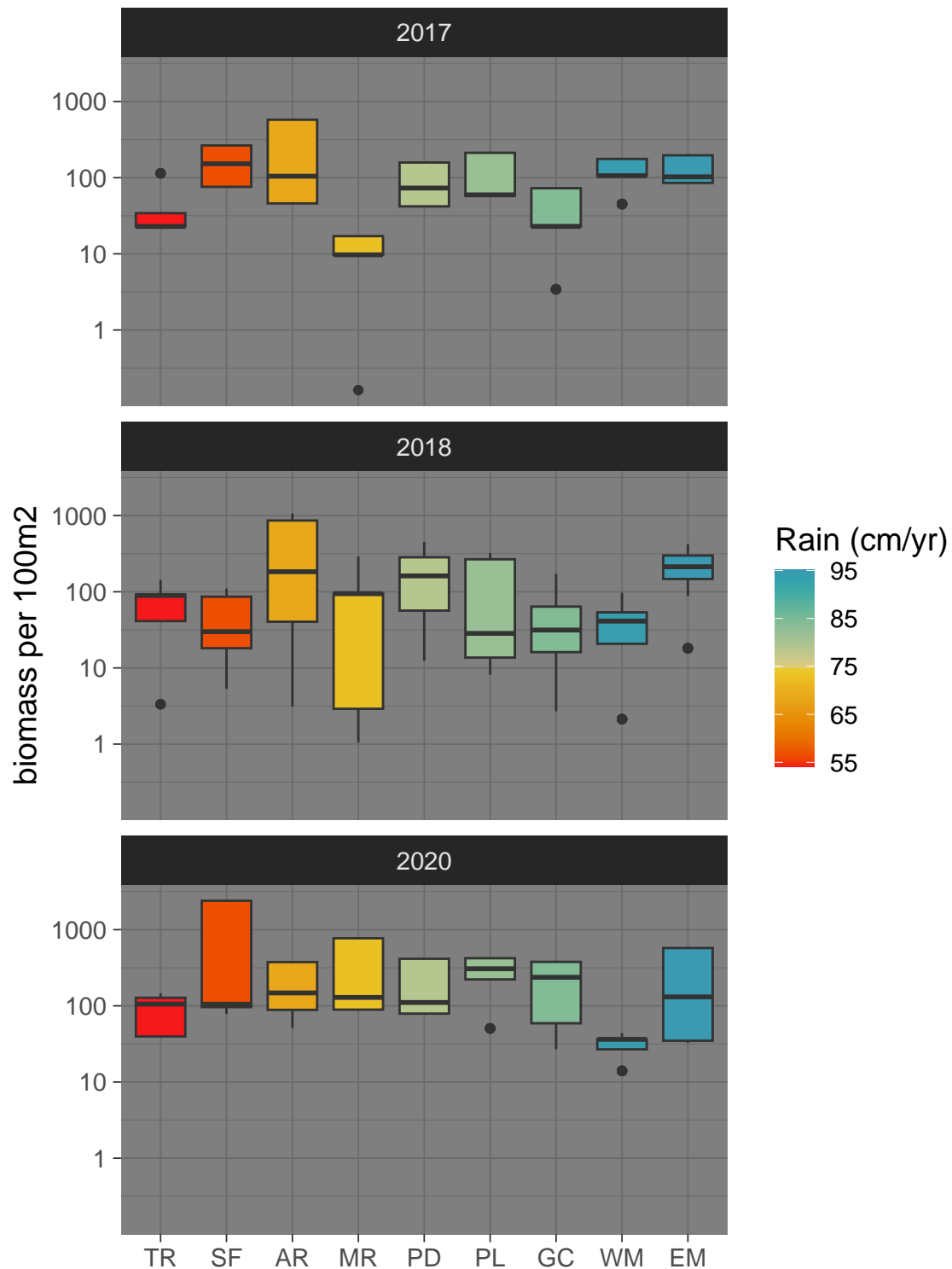


Figure 1. Biomass of fish (g/100m²) at each sampling location from from 2017, 2018, and 2020. 2017 contains 3 months following hurricane Harvey, 2018 contains monthly samples from January through October, and 2020 contains quarterly sampling.

Figure 2 - Biomass vs Diatom Concentration

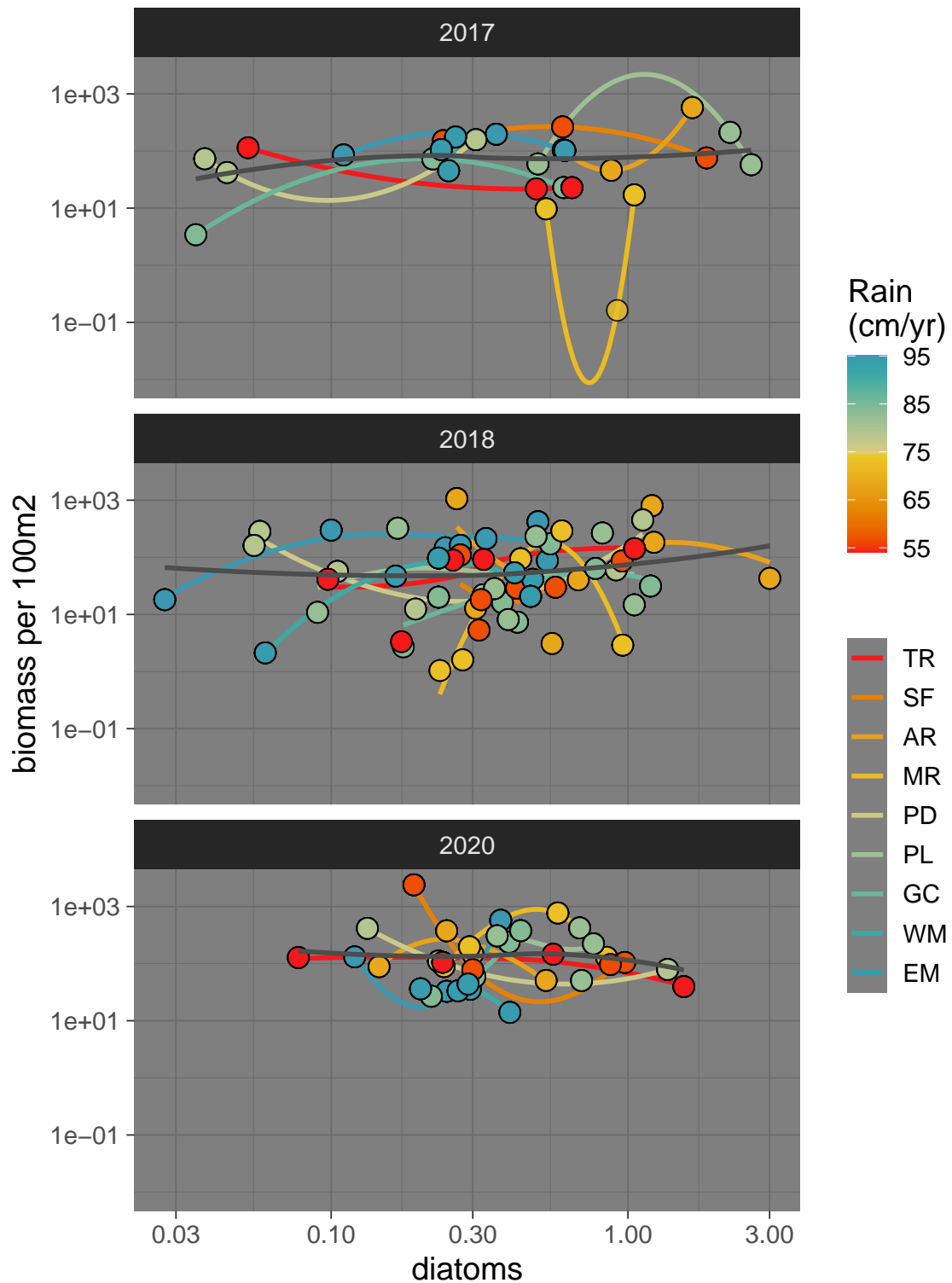


Figure 2. Community biomass ($\text{g}/100\text{m}^2$) versus diatom chlorophyll concentrations for 2017, 2018, and 2020. Both axes are log transformed.

Figure 3 - Biomass vs 2-Week Maximum Discharge

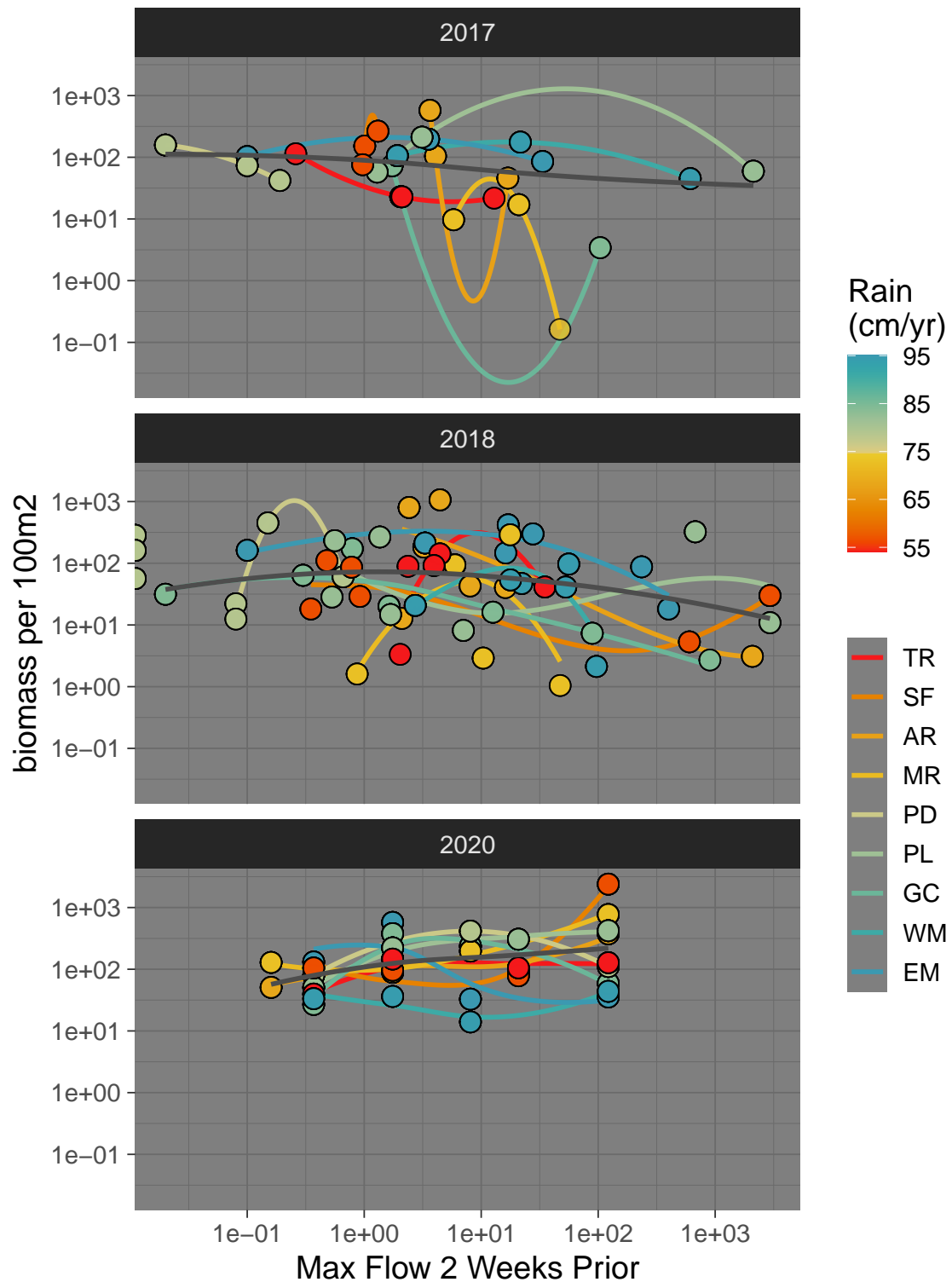


Figure 3. Community biomass ($\text{g}/100\text{m}^2$) versus maximum discharge in the two weeks prior to sampling for 2017, 2018, and 2020. Both axes are log transformed.

Figure 4 - Biomass vs Nitrate Concentrations

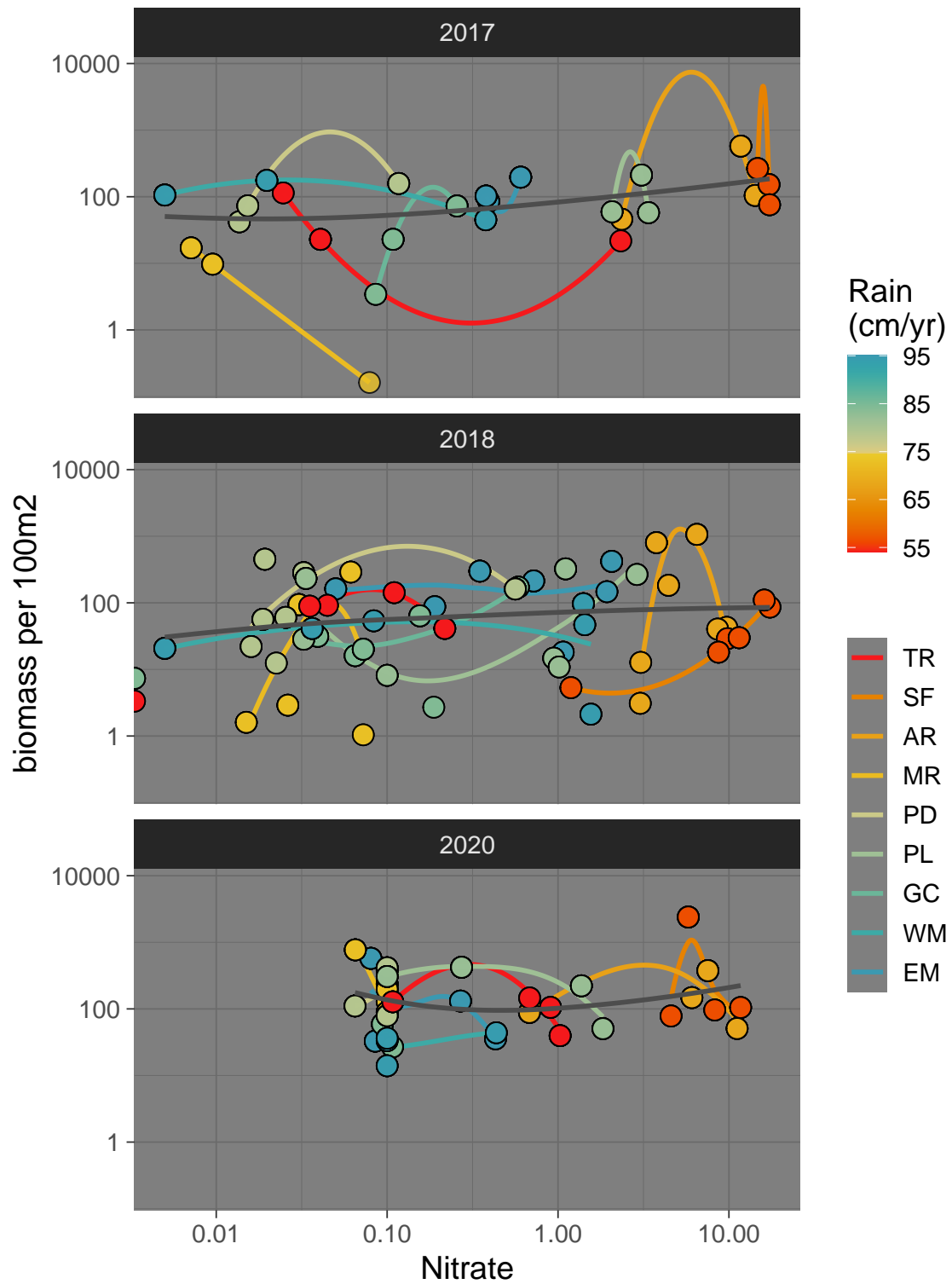


Figure 4. Community biomass ($\text{g}/100\text{m}^2$) versus nitrate concentrations for 2017, 2018, and 2020. Both axes are log transformed.

Figure 5 - Biomass vs Time: Community

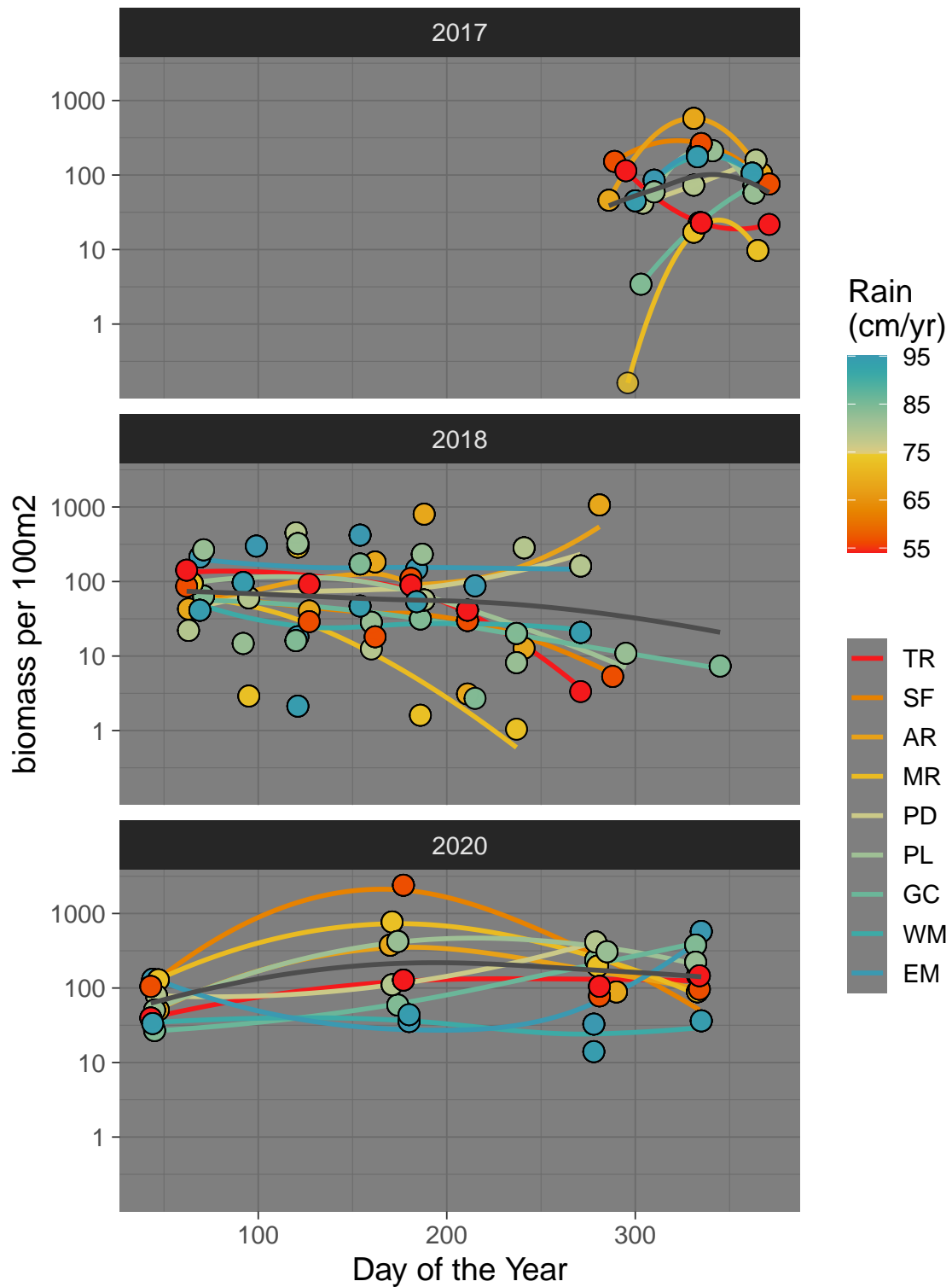


Figure 5. Community biomass ($\text{g}/100\text{m}^2$) versus day of the year for 2017, 2018, and 2020. Densities and smoothed regression curves are colored by annual rainfall and a region-wide (all sites) smoothed regression is in dark grey.

Figure 6 - Biomass vs Time: Families

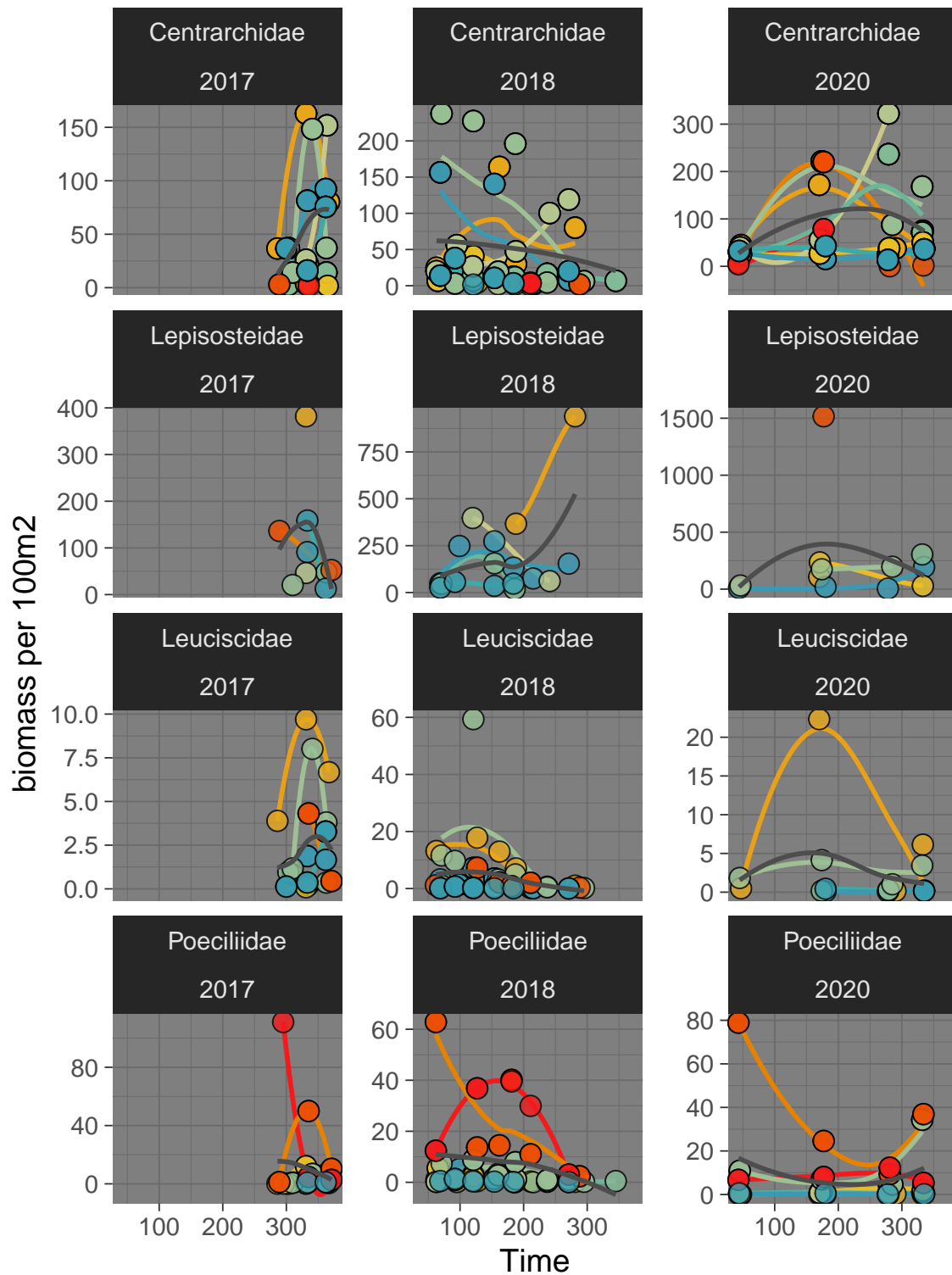


Figure 6. Biomass of fish (g/100m²) in prominent taxonomic families plotted against the day of the year in 2017, 2018, and 2020. Vertical axes vary in scale to aid visualization of trends within taxonomic families.

Figure 7 - Biomass vs Time: Small-Gape, Deep-Bodied Taxa

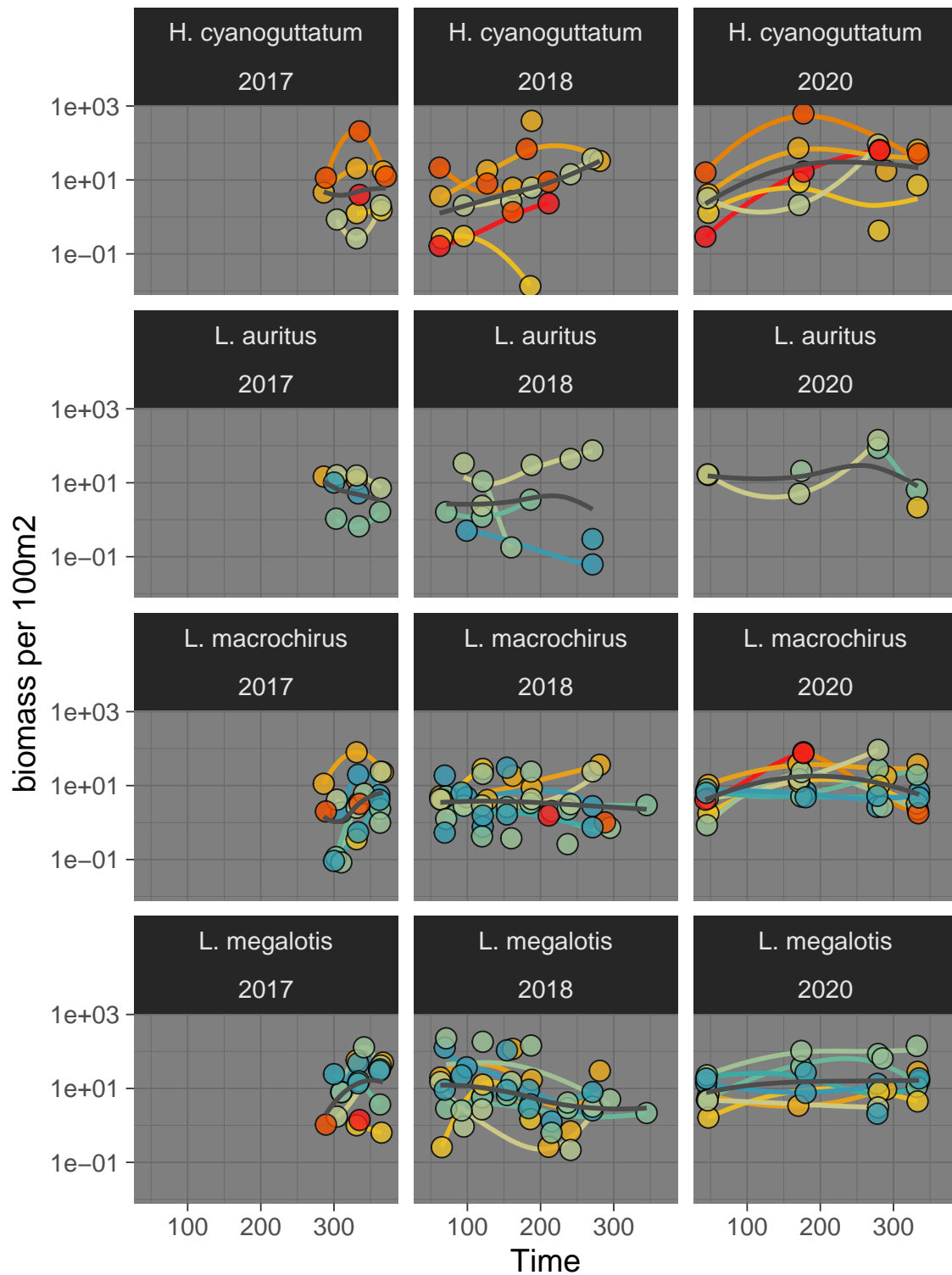


Figure 7. Species-specific biomass ($\text{g}/100\text{m}^2$) of small-gape, deep-bodied fish plotted against the day of the year in 2017, 2018, and 2020.

Figure 8 - Biomass vs Time: Large-Gape, Deep-Bodied Pan Fish

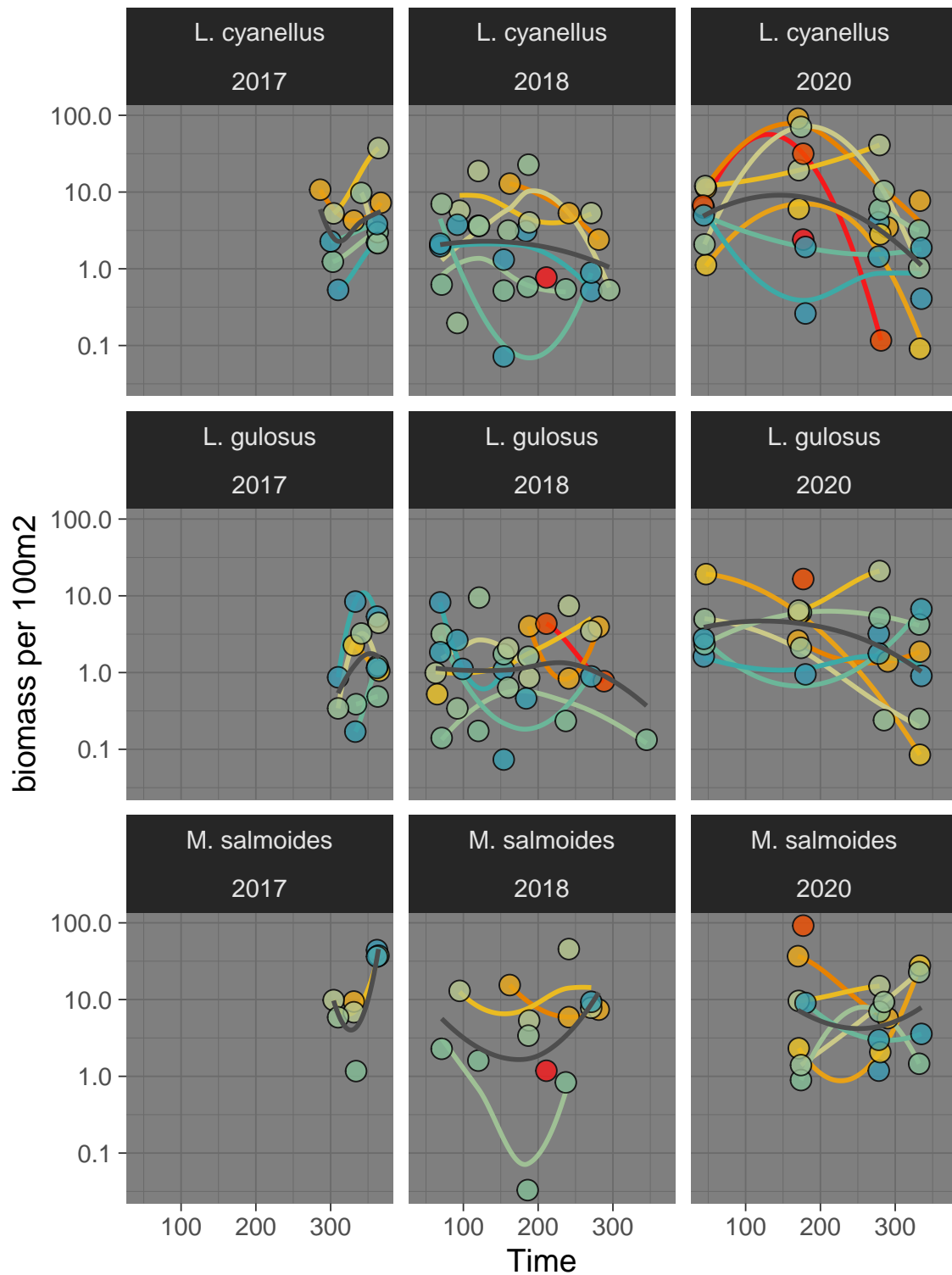


Figure 8. Species-specific biomass ($\text{g}/100\text{m}^2$) of large-gape, deep-bodied fish plotted against the day of the year in 2017, 2018, and 2020.

Figure 9 - Biomass vs Time: Poeciliidae

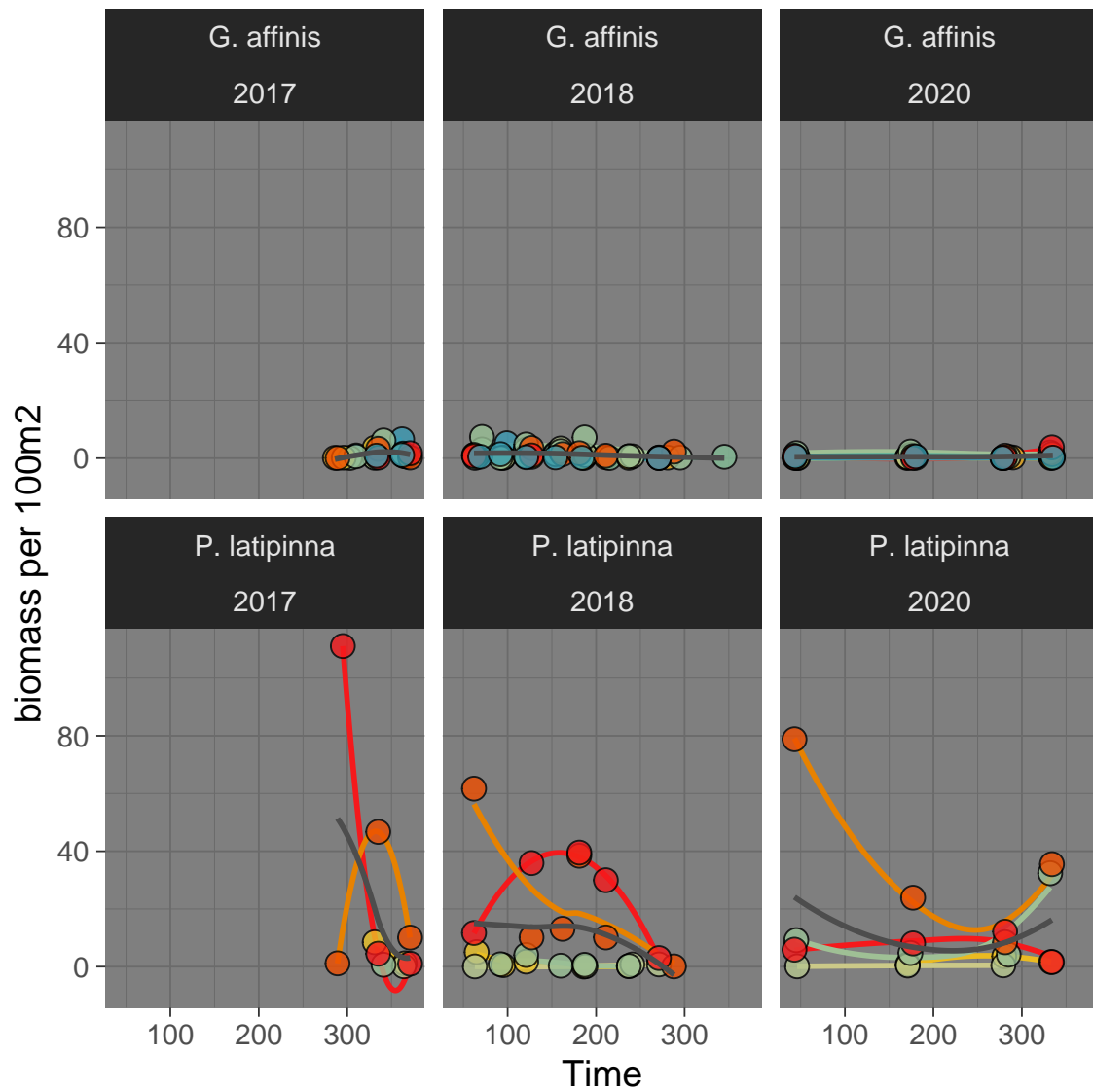


Figure 9. Species-specific biomass (g/100m²) of Poeciliidae plotted against the day of the year in 2017, 2018, and 2020.

Figure 10 - Biomass vs Rainfall: Regression Community

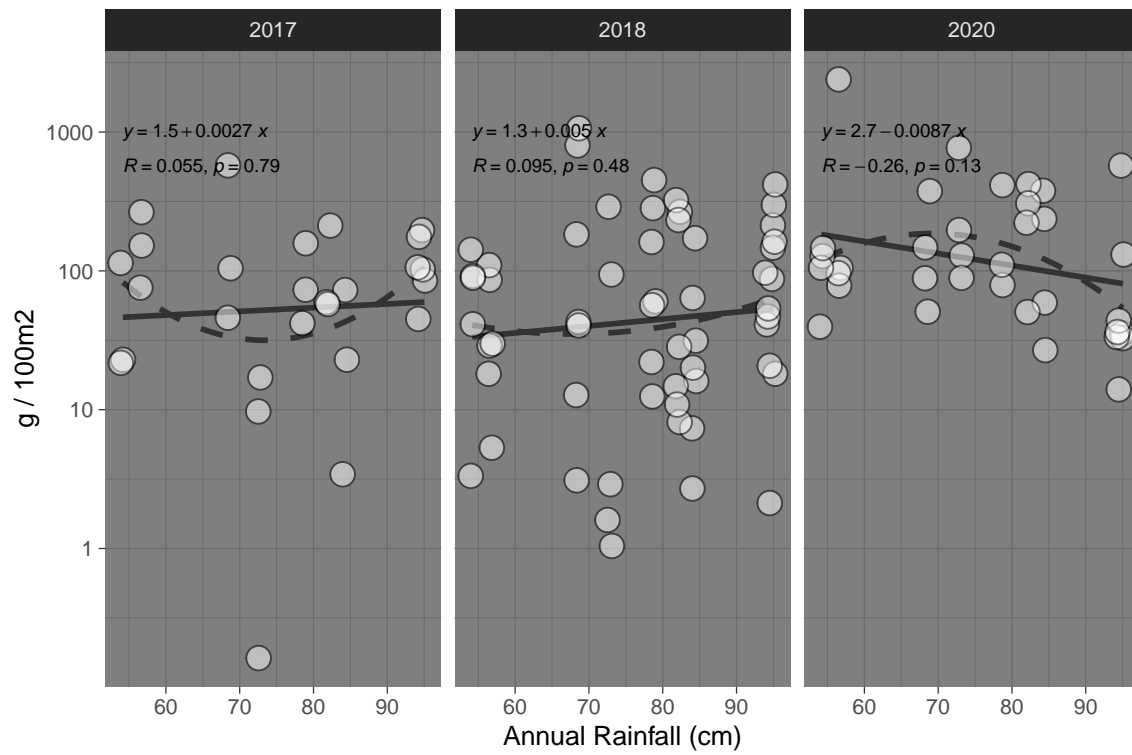


Figure 10. Community biomass (g/100m²) versus annual rainfall for 2017, 2018, and 2020.

Figure 11 - Biomass vs Rainfall: Regression Centrarchid

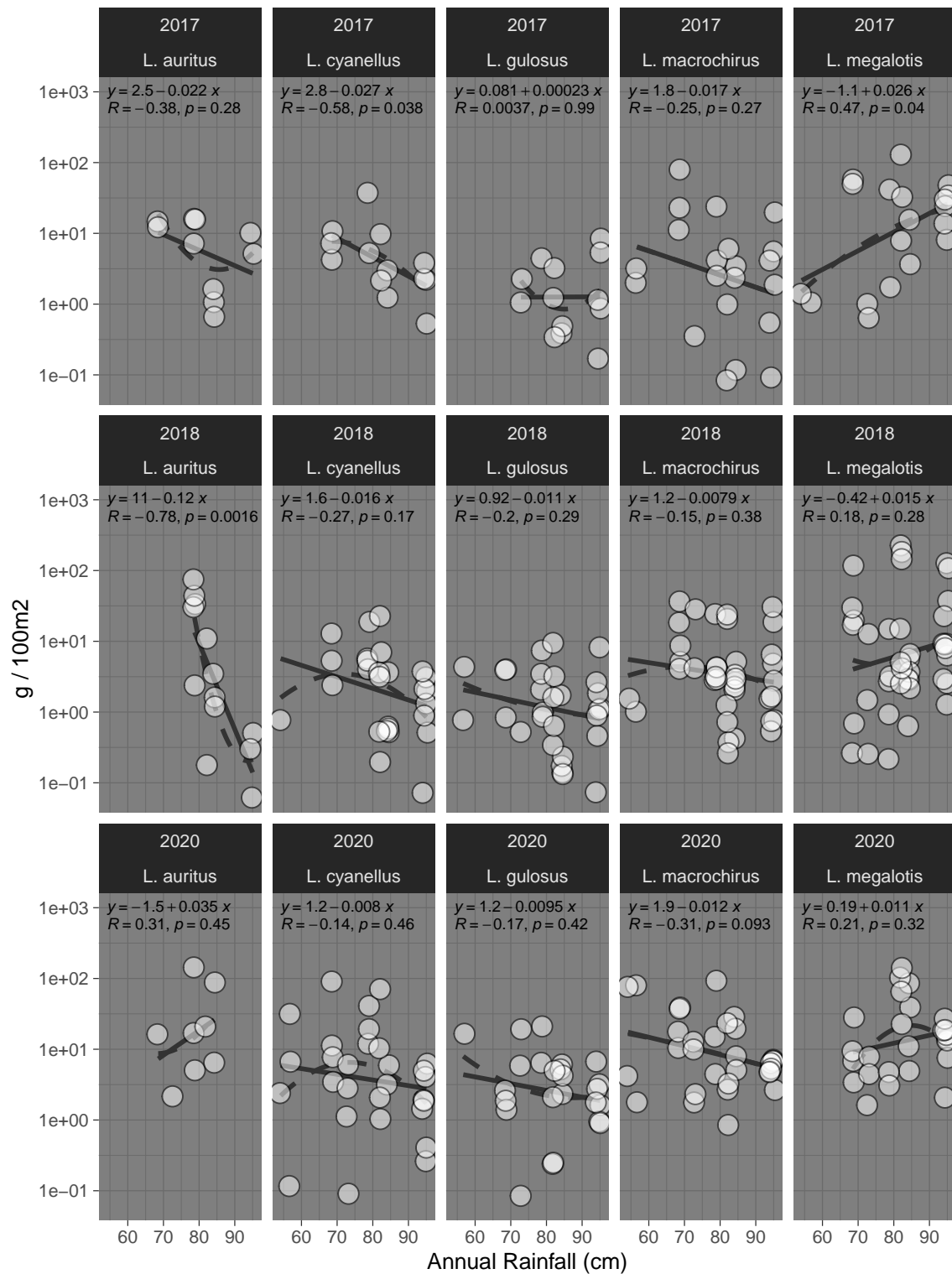


Figure 11. Species-specific biomass of Centrarchidae (g/100m²) versus annual rainfall for 2017, 2018, and 2020.

Figure 12 - Biomass vs Rainfall: Regression Poeciliid

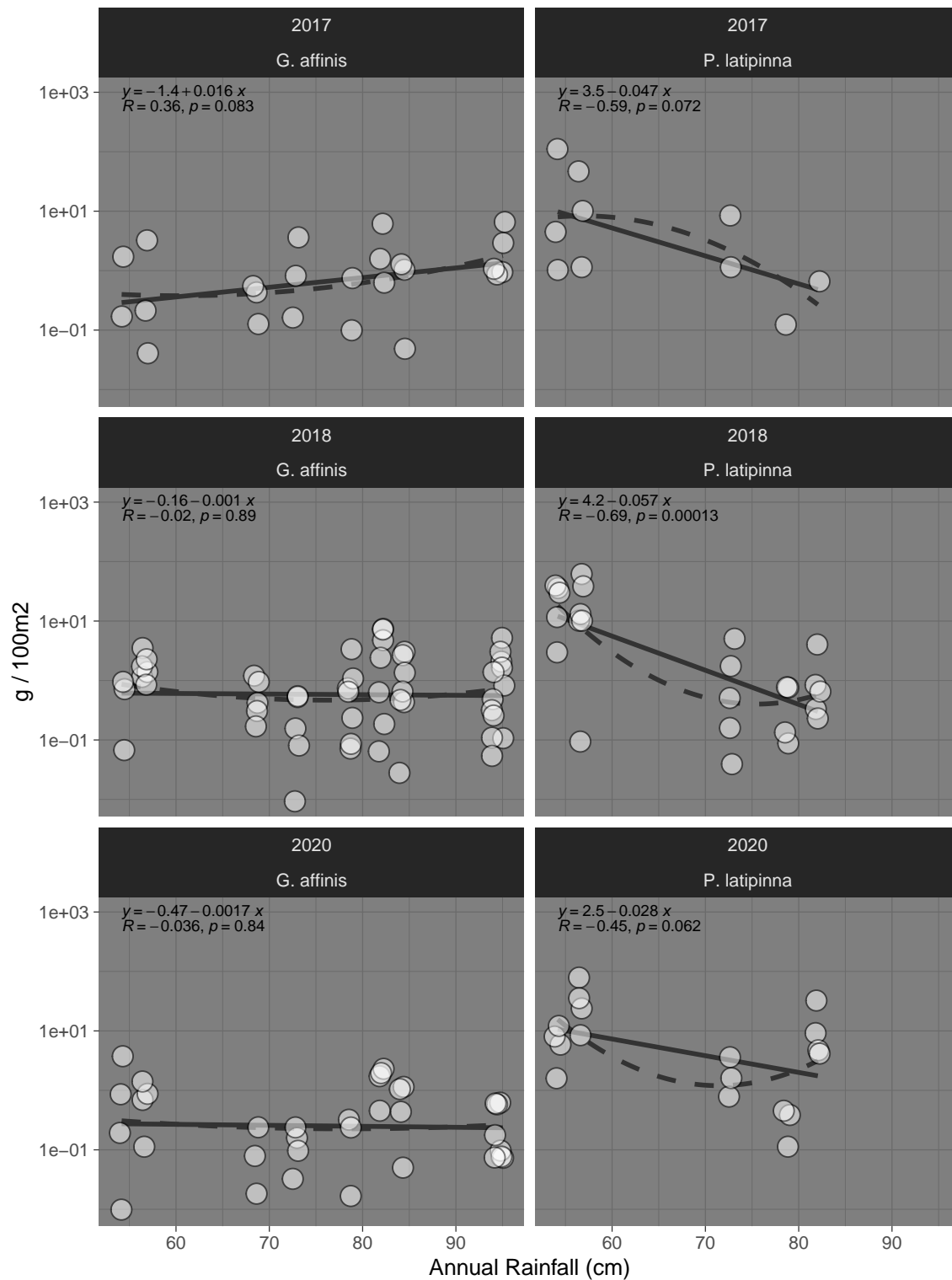


Figure 12. Species-specific biomass of Poeciliid (g/100m²) versus annual rainfall for 2017, 2018, and 2020.