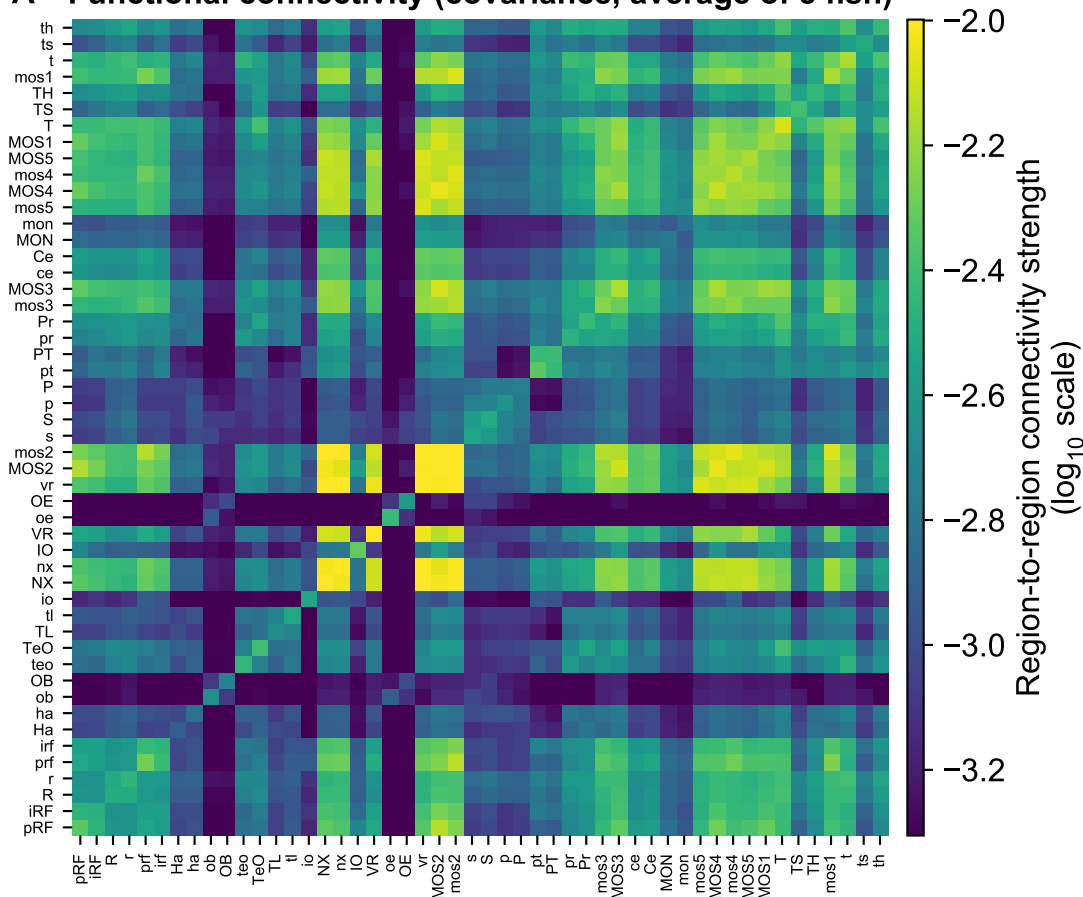
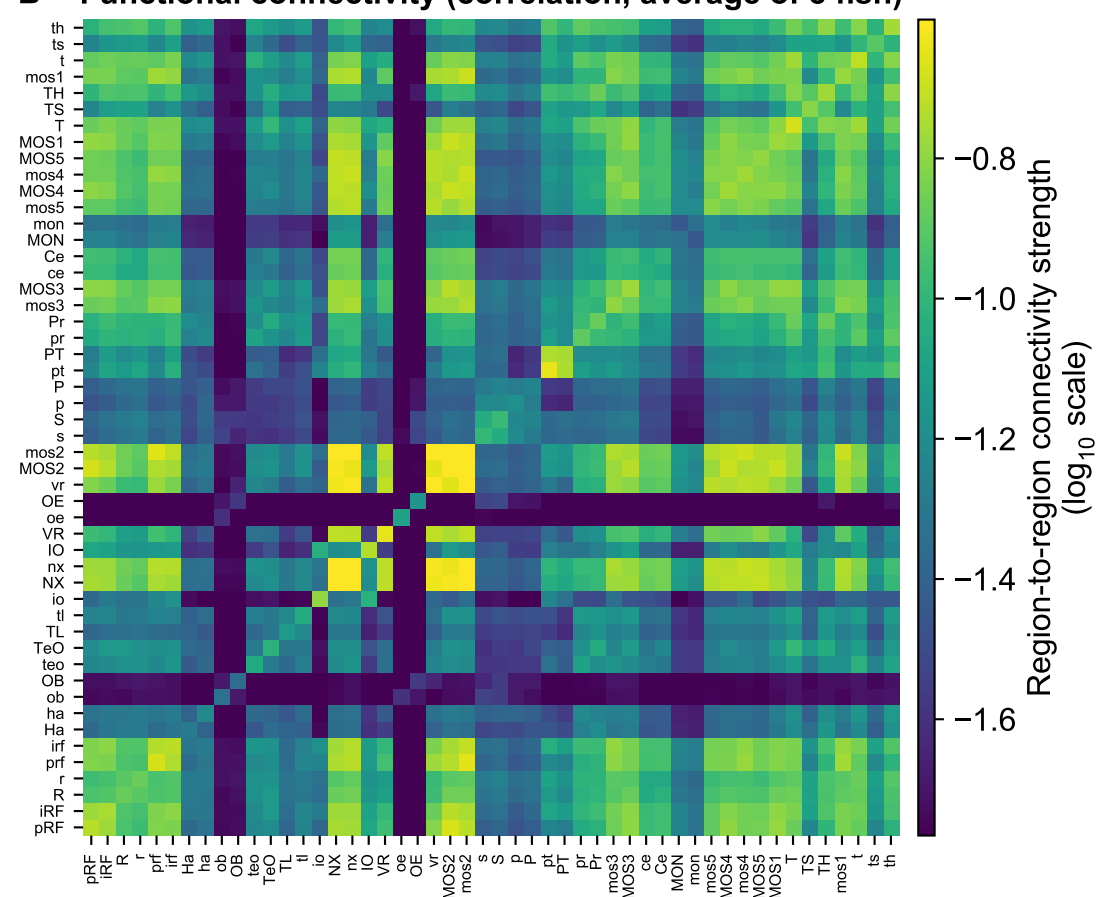
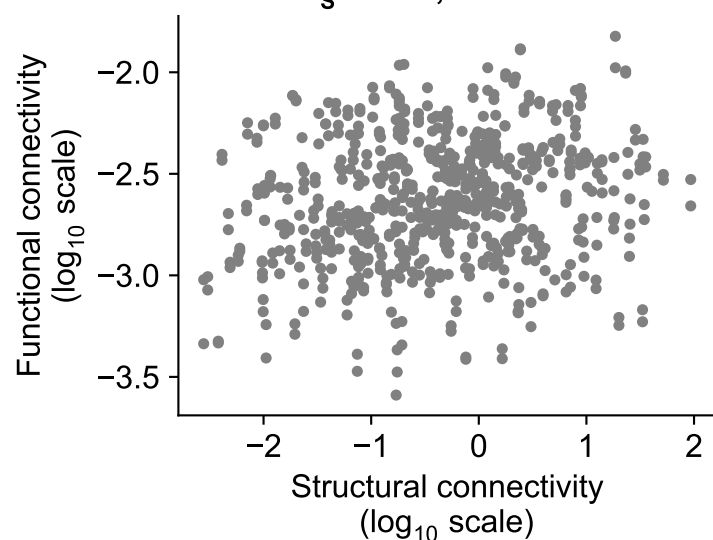
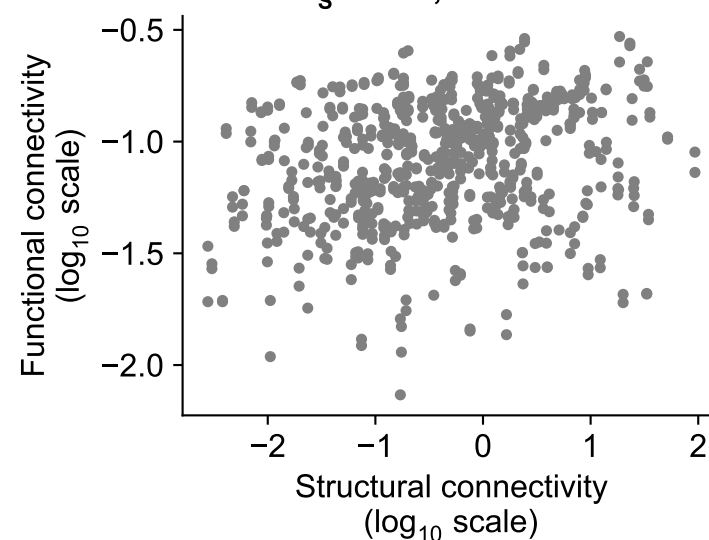
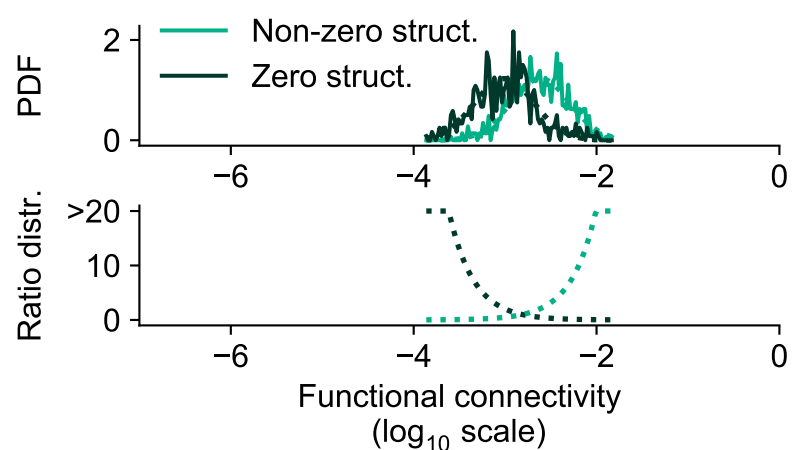


A Functional connectivity (covariance, average of 8 fish)**B Functional connectivity (correlation, average of 8 fish)****C covariance vs structural connectivity**

$$r_s = 0.18, P < 10^{-5}$$

**D correlation vs structural connectivity**

$$r_s = 0.26, P < 10^{-11}$$

**E covariance functional connectivity distributions****F correlation functional connectivity distributions**