Table S2. Generalised linear mixed model of the density of browsing herbivorous cichlids. Habitat depth, substratum type, and inclination of substratum were analysed as fixed factors with survey year as a random factor. \* indicates significant after Bonferroni correction.

coefficients standard z value *p*

error

*L. dardenii* (Intercept) -3.29 0.28 -11.73 0.0000 \*

depth -0.06 0.07 -0.88 0.3800

substratum (stone) 0.04 0.24 0.17 0.8660

substratum (rubble) 0.02 0.24 0.06 0.9500

substratum (gravel) 0.33 0.33 1.00 0.3180

substratum (sand) -0.08 0.40 -0.20 0.8390

inclination -0.16 0.07 -2.12 0.0341

*V. moorii* (Intercept) -0.88 0.10 -8.43 0.0000 \*

depth -1.10 0.03 -40.56 0.0000 \*

substratum (stone) 0.03 0.07 0.44 0.6580

substratum (rubble) 0.16 0.07 2.49 0.0128

substratum (gravel) 0.14 0.08 1.74 0.0821

substratum (sand) -1.17 0.39 -3.02 0.0025 \*

inclination 0.03 0.02 1.88 0.0608

*P. curvifrons* (Intercept) -7.78 1.16 -6.71 0.0000 \*

depth -2.18 0.50 -4.37 0.0000 \*

substratum (stone) 0.65 1.04 0.63 0.5300

substratum (rubble) 0.85 1.03 0.82 0.4100

substratum (gravel) 0.47 1.14 0.41 0.6800

substratum (sand) -14.33 13350 0.00 0.9990

inclination 0.12 0.16 0.78 0.4350

*S. diagramma* (Intercept) -3.35 0.26 -13.10 0.0000 \*

depth -1.35 0.08 -16.57 0.0000 \*

substratum (stone) 0.38 0.19 1.99 0.0467

substratum (rubble) 0.23 0.19 1.17 0.2420

substratum (gravel) -0.45 0.26 -1.75 0.0794

substratum (sand) 0.28 0.75 0.37 0.7100

inclination 0.03 0.04 0.75 0.4540

*T. moorii* (Intercept) -1.26 0.14 -8.86 0.0000 \*

depth -0.65 0.03 -21.34 0.0000 \*

substratum (stone) 0.01 0.09 0.12 0.9070

substratum (rubble) 0.03 0.09 0.32 0.7480

substratum (gravel) -0.53 0.13 -4.00 0.0001 \*

substratum (sand) -0.09 0.21 -0.41 0.6810

inclination -0.01 0.02 -0.62 0.5360

*T. temporalis* (Intercept) -4.00 0.35 -11.33 0.0000 \*

depth 0.36 0.09 3.98 0.0001 \*

substratum (stone) 0.01 0.35 0.02 0.9800

substratum (rubble) 0.25 0.34 0.73 0.4680

substratum (gravel) 2.86 0.37 7.65 0.0000 \*

substratum (sand) 0.84 0.40 2.13 0.0335

inclination 0.05 0.08 0.68 0.4990

*T. vittatus* (Intercept) -0.41 0.09 -4.60 0.0000 \*

depth 0.48 0.02 29.49 0.0000 \*

substratum (stone) 0.09 0.06 1.53 0.1260

substratum (rubble) 0.09 0.06 1.57 0.1170

substratum (gravel) 0.05 0.12 0.42 0.6780

substratum (sand) -0.28 0.08 -3.33 0.0009 \*

inclination 0.03 0.02 1.67 0.0953