Supplementary material for

Scleractinian corals incorporate microplastic particles: Identification from a laboratory study

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Supplementary Table S1. Resting tank water chemistry.

Weekly measurements of Phosphate ($\text{PO}_4^{3-}$, $\mu$mol/L), Nitrate ($\text{NO}_3^-$, $\mu$mol/L), Carbonate Hardness (KH, °dH), Calcium (Ca, ppm), Magnesium (Mg, ppm), Potassium (K, ppm) and Strontium (Sr, ppm). ET09 = Exposure 1 (E1), ET10 = Exposure 2 (E2), ET11 = Control 3 (C3), ET12 = Control 4 (C4); bDL = Below Detection Limit; N/A = Data Not Available

| Tank name | Date [yyyyyymmdd] | $c(\text{NO}_3^-)$ calc. $[\mu$mol/L] ($^{+c(\text{NO}_2^-)}$) | $c(\text{PO}_4^{3-})$ calc. $[\mu$mol/L] | KH [°dH] | Ca [ppm] | Mg [ppm] | K [ppm] | Sr [ppm] |
|-----------|-------------------|---------------------------------|---------------------------------|-----------|--------|---------|--------|--------|
| ET_09     | 20180830          | bDL                             | 0.2                             | 9.2       | 380    | 1260    | N/A    | N/A    |
| ET_10     | 20180830          | bDL                             | 0.2                             | 9.2       | 390    | 1230    | N/A    | N/A    |
| ET_11     | 20180830          | 0.5                             | 0.6                             | 9.7       | 400    | 1260    | N/A    | N/A    |
| ET_12     | 20180830          | 0.1                             | 0.1                             | 9.3       | 400    | 1260    | N/A    | N/A    |
| ET_09     | 20180905          | 0.3                             | bDL                             | 8.9       | 474    | 1296    | N/A    | N/A    |
| ET_10     | 20180905          | 0.5                             | bDL                             | 8.3       | 455    | 1313    | N/A    | N/A    |
| ET_11     | 20180905          | 0.5                             | bDL                             | 8.6       | 448    | 1288    | N/A    | N/A    |
| ET_12     | 20180905          | 2.9                             | bDL                             | 8.5       | 446    | 1293    | N/A    | N/A    |
| ET_09     | 20180913          | bDL                             | 0.2                             | 10.0      | N/A    | N/A     | N/A    | N/A    |
| ET_10     | 20180913          | 0.2                             | 0.1                             | 8.8       | N/A    | N/A     | N/A    | N/A    |
| ET_11     | 20180913          | bDL                             | bDL                             | 8.4       | N/A    | N/A     | N/A    | N/A    |
| ET_12     | 20180913          | bDL                             | 0.9                             | 8.4       | N/A    | N/A     | N/A    | N/A    |
| ET_09     | 20180926          | bDL                             | bDL                             | 6.4       | 427    | 1179    | N/A    | N/A    |
| ET_10     | 20180926          | bDL                             | bDL                             | 6.5       | 419    | 1179    | N/A    | N/A    |
| ET_11     | 20180926          | bDL                             | bDL                             | 7.0       | 418    | 1165    | N/A    | N/A    |
| ET_12     | 20180926          | bDL                             | bDL                             | 6.5       | 419    | 1180    | N/A    | N/A    |
| ET_09     | 20181002          | 0.45                            | 0.12                            | 7.4       | 440    | 1409    | 383    | 4.40   |
| ET_10     | 20181002          | 0.39                            | 0.12                            | 7.1       | 444    | 1414    | 385    | 4.30   |
| ET_11     | 20181002          | 0.85                            | 0.04                            | 7.0       | 442    | 1418    | 389    | 4.40   |
| ET_12     | 20181002          | 1.48                            | bDL                             | 7.4       | 430    | 1399    | 386    | 4.40   |
| ET_09     | 20181009          | 2.88                            | bDL                             | 6.6       | 432    | 1352    | 369    | 4.3    |
| ET_10     | 20181009          | bDL                             | bDL                             | 6.4       | 435    | 1366    | 370    | 4.3    |
| ET_11     | 20181009          | bDL                             | bDL                             | 6.5       | 435    | 1379    | 372    | 4.4    |
| ET_12     | 20181009          | bDL                             | bDL                             | 6.7       | 431    | 1371    | 375    | 4.3    |
| ET_09     | 20181017          | 0.76                            | N/A                             | 7.4       | 421    | 1337    | 372    | 4.3    |
| ET_10     | 20181017          | 3.77                            | N/A                             | 7.4       | 420    | 1350    | 377    | 4.2    |
| ET_11     | 20181017          | bDL                             | N/A                             | 7.6       | 418    | 1329    | 369    | 4.3    |
| ET_12     | 20181017          | 5.49                            | N/A                             | 7.2       | 416    | 1313    | 376    | 4.3    |
| ET_09     | 20181023          | 0.44                            | 0.11                            | 7.3       | 405    | 1303    | 356    | 4.10   |
| ET_10     | 20181023          | 0.91                            | 0.16                            | 7.2       | 394    | 1300    | 340    | 4.00   |
| ET_11     | 20181023          | 0.87                            | bDL                             | 7.2       | 402    | 1305    | 351    | 4.10   |
| ET_12     | 20181023          | 1.92                            | bDL                             | 7.4       | 396    | 1273    | 341    | 4.20   |
| ET_09     | 20181030          | bDL                             | 0.18                            | 7.4       | 400    | 1285    | 338    | 4.10   |
| ET_10     | 20181030          | bDL                             | bDL                             | 6.7       | 410    | 1294    | 343    | 4.00   |
| Code  | Date       | Value 1 | Value 2 | Value 3 | Value 4 | Value 5 |
|-------|------------|---------|---------|---------|---------|---------|
| ET11  | 20181030   | bDL     | bDL     | 7.1     | 406     | 1298    | 344     | 4.10  |
| ET12  | 20181030   | bDL     | bDL     | 7.4     | 406     | 1288    | 344     | 4.10  |
| ET09  | 20181106   | bDL     | bDL     | 7.6     | 415     | 1237    | 354     | 3.30  |
| ET10  | 20181106   | bDL     | bDL     | 7.1     | 426     | 1206    | 356     | 5.50  |
| ET11  | 20181106   | bDL     | bDL     | 7.2     | 424     | 1191    | 355     | 5.40  |
| ET12  | 20181106   | bDL     | bDL     | 7.3     | 409     | 1211    | 340     | 5.10  |
| ET09  | 20181113   | bDL     | bDL     | 7.5     | 379     | 1274    | 314     | 3.9   |
| ET10  | 20181113   | bDL     | bDL     | 7.1     | 377     | 1301    | 329     | 3.8   |
| ET11  | 20181113   | bDL     | bDL     | 7.5     | 378     | 1299    | 333     | 3.9   |
| ET12  | 20181113   | bDL     | bDL     | 7.7     | 379     | 1302    | 335     | 3.9   |
| ET09  | 20181121   | bDL     | bDL     | 6.8     | 401     | 1316    | 353     | 4     |
| ET10  | 20181121   | bDL     | bDL     | 6.4     | 398     | 1321    | 359     | 3.9   |
| ET11  | 20181121   | bDL     | bDL     | 7.1     | 400     | 1324    | 363     | 4     |
| ET12  | 20181121   | bDL     | bDL     | 6.8     | 399     | 1317    | 358     | 4     |
| ET09  | 20181128   | 0.3     | 0.00    | 7.1     | 396     | 1249    | 284.7   | 3.8   |
| ET10  | 20181128   | 0.00    | 0.00    | 7.5     | 390     | 1261    | 276.2   | 3.7   |
| ET11  | 20181128   | 0.00    | 0.00    | 7.4     | 404     | 1277    | 312.9   | 3.9   |
| ET12  | 20181128   | 0.00    | 0.13    | 7.7     | 412     | 1289    | 309.3   | 3.9   |
| ET09  | 20181204   | bDL     | bDL     | 6.9     | 400     | 1317    | 339     | 3.9   |
| ET10  | 20181204   | bDL     | bDL     | 6.2     | 402     | 1289    | 346     | 3.8   |
| ET11  | 20181204   | bDL     | bDL     | 6.8     | 399     | 1288    | 345     | 3.9   |
| ET12  | 20181204   | bDL     | bDL     | 6.6     | 410     | 1290    | 352     | 4.0   |
| ET09  | 20181212   | bDL     | bDL     | 7.6     | 411     | 1303    | 359     | 4.0   |
| ET10  | 20181212   | bDL     | bDL     | 6.8     | 408     | 1310    | 356     | 3.9   |
| ET11  | 20181212   | bDL     | bDL     | 7.4     | 410     | 1285    | 354     | 4.0   |
| ET12  | 20181212   | bDL     | 0.08    | 7.0     | 409     | 1298    | 358     | 4.0   |
| ET09  | 20181218   | bDL     | bDL     | 7.1     | 397     | 1287    | 346     | 3.9   |
| ET10  | 20181218   | bDL     | bDL     | 7.1     | 396     | 1286    | 348     | 3.8   |
| ET11  | 20181218   | bDL     | bDL     | 7.3     | 398     | 1282    | 348     | 3.9   |
| ET12  | 20181218   | bDL     | bDL     | 7.7     | 395     | 1266    | 351     | 3.9   |
| ET09  | 20181227   | N/A     | N/A     | 8       | 370     | 1290    | N/A     | N/A   |
| ET10  | 20181227   | N/A     | N/A     | 8       | 390     | 1320    | N/A     | N/A   |
| ET11  | 20181227   | N/A     | N/A     | 8       | 430     | 1320    | N/A     | N/A   |
| ET12  | 20181227   | N/A     | N/A     | 8       | 390     | 1320    | N/A     | N/A   |
| ET09  | 20190102   | N/A     | N/A     | 7       | 390     | 1320    | N/A     | N/A   |
| ET10  | 20190102   | N/A     | N/A     | 8       | 400     | 1290    | N/A     | N/A   |
| ET11  | 20190102   | N/A     | N/A     | 7       | 380     | 1320    | N/A     | N/A   |
| ET12  | 20190102   | N/A     | N/A     | 7       | 430     | 1290    | N/A     | N/A   |
| ET09  | 20190107   | bDL     | bDL     | 7.7     | 428     | 1308    | 388     | 4.0   |
| ET10  | 20190107   | bDL     | bDL     | 6.5     | 419     | 1294    | 393     | 3.9   |
| ET11  | 20190107   | bDL     | bDL     | 7.5     | 425     | 1286    | 395     | 4.1   |
| ET12  | 20190107   | bDL     | bDL     | 7.7     | 414     | 1283    | 387     | 4.0   |
| ET09  | 20190114   | bDL     | bDL     | 7.8     | 430     | 1303    | 385     | 4.1   |
| ET  | Date        | Sample | Value | Date | Value | Date | Value | Date | Value | Date | Value | Date | Value | Date | Value |
|-----|-------------|--------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| ET10| 20190114    | bDL    | 7.4   | 20190114 | bDL | 1296 | 381   | 4.0   |
| ET11| 20190114    | bDL    | 7.3   | 20190114 | bDL | 1293 | 380   | 4.2   |
| ET12| 20190114    | bDL    | 7.4   | 20190114 | bDL | 1281 | 384   | 4.1   |
| ET09| 20190121    | bDL    | 6.7   | 20190121 | bDL | 1264 | 361.3 | 3.9   |
| ET10| 20190121    | bDL    | 6.5   | 20190121 | bDL | 1264 | 371.7 | 3.9   |
| ET11| 20190121    | bDL    | 6.9   | 20190121 | bDL | 1265 | 372.2 | 4.1   |
| ET12| 20190121    | bDL    | 6.8   | 20190121 | bDL | 1281 | 366.6 | 4     |
| ET09| 20190128    | 5.678  | 0     | 20190128 | 0.506 | 1264 | 371.7 | 3.9   |
| ET10| 20190128    | 0.363  | 0     | 20190128 | 0.506 | 1175 | 357   | N/A   |
| ET11| 20190128    | 2.293  | 0     | 20190128 | 0.363 | 1167 | 359.3 | N/A   |
| ET12| 20190128    | 11.99  | 5.9   | 20190128 | 0.363 | 1326 | 360   | 4     |
| ET09| 20190204    | 11.99  | 5.9   | 20190204 | 11.99 | 1269 | 346   | 3.9   |
| ET10| 20190204    | 0.08   | 8.9   | 20190204 | 0.08 | 1295 | 359.1 | N/A   |
| ET11| 20190204    | 2.802  | 0.09  | 20190204 | 4.4  | 1303 | 328.8 | N/A   |
| ET12| 20190204    | 11.99  | 5.9   | 20190204 | 4.4  | 1303 | 349.1 | N/A   |
| ET09| 20190211    | 12.878 | 0.07  | 20190211 | 0.367 | 1277.4 | 347.1 | 3.9   |
| ET10| 20190211    | 18.938 | 0.1   | 20190211 | 18.938 | 1276 | 355.2 | N/A   |
| ET11| 20190211    | 2.802  | 0.09  | 20190211 | 2.802 | 1295 | 359.1 | N/A   |
| ET12| 20190211    | 4.4    | 0.14  | 20190211 | 4.4  | 1280 | 349.1 | N/A   |
| ET09| 20190219    | 8.081  | 0.08  | 20190219 | 8.081 | 1267 | 346   | 3.9   |
| ET10| 20190219    | bDL    | 7.2   | 20190219 | bDL | 1276 | 355   | 3.9   |
| ET11| 20190219    | bDL    | 8.1   | 20190219 | bDL | 1275 | 353   | 4     |
| ET12| 20190219    | bDL    | 7.9   | 20190219 | bDL | 1293 | 352   | 3.8   |
| ET09| 20190225    | 6.099  | 0.1   | 20190225 | 4.324 | 1277.4 | 347.1 | 3.9   |
| ET10| 20190225    | bDL    | 0.08  | 20190225 | 6.099 | 1277.4 | 347.1 | 3.9   |
| ET11| 20190225    | bDL    | 0.08  | 20190225 | 0.08 | 1280 | 338.9 | 3.9   |
| ET12| 20190225    | bDL    | 0.11  | 20190225 | 0.11 | 1283.2 | 347.1 | 3.9   |
| ET09| 20190304    | 8.829  | 0.07  | 20190304 | 4.324 | 1305.5 | 357.2 | 4.1   |
| ET10| 20190304    | bDL    | 0.07  | 20190304 | 8.829 | 1324.2 | 355.3 | 4.2   |
| ET11| 20190304    | 1.299  | 0.18  | 20190304 | 1.299 | 1319.4 | 358.6 | 4.1   |
| ET12| 20190304    | 0.875  | 0.07  | 20190304 | 0.875 | 1308.5 | 354.9 | 4     |
| ET09| 20190311    | 4.324  | 0.03  | 20190311 | 5.875 | 1353 | 333   | 4.3   |
| ET10| 20190311    | bDL    | 0.07  | 20190311 | 4.324 | 1369 | 304   | 4.3   |
| ET11| 20190311    | 1.43   | 0.07  | 20190311 | 1.43 | 1359 | 354   | 4.3   |
| ET12| 20190311    | bDL    | 0.09  | 20190311 | 1.43 | 1345 | 312   | 4.1   |
Supplementary Table S2. Resting tank parameters.

pH (NBS Scale), Temperature (°C), Salinity (S), and Oxygen (mg/L) content measurements taken twice a week from the resting tanks in addition to the continuous monitoring of fixed installed probes. ET09 = Exposure 1 (E1), ET10 = Exposure 2 (E2), ET11 = Control 3 (C3), ET12 = Control 4 (C4)

| Date          | pH   | T  | Salinity | O2  | [%] | [mbar] |
|---------------|------|----|----------|-----|-----|--------|
| [dd.mm.yyyy]  | [°C] | [mg/l] | [%] | [mbar] |     |        |
| 26.10.2018    | 8.251| 24.3| 35.0     | 8.35| 102.7| 208    |
| 29.10.2018    | 8.236| 25.1| 34.8     | 8.34| 101.5| 208    |
| 02.11.2018    | 8.215| 25.0| 35.0     | 8.30| 100.6| 207    |
| 05.11.2018    | 8.215| 25.1| 34.8     | 8.40| 101.8| 209    |
| 09.11.2018    | 8.203| 25.0| 34.8     | 8.38| 102.1| 209    |
| 12.11.2018    | 8.197| 25.0| 34.8     | 8.42| 102.3| 210    |
| 16.11.2018    | 8.168| 25.1| 34.8     | 8.55| 102.0| 213    |
| 19.11.2018    | 8.199| 25.0| 35.0     | 8.44| 101.6| 211    |
| 23.11.2018    | 8.247| 26.8| 35.0     | 8.19| 101.7| 210    |
| 26.11.2018    | 8.190| 21.5| 34.8     | 8.98| 101.5| 210    |
| 30.11.2018    | 8.202| 24.0| 34.5     | 8.52| 102.2| 210    |
| 03.12.2018    | 8.224| 24.1| 34.9     | 8.35| 101.6| 206    |
| 07.12.2018    | 8.318| 24.0| 34.2     | 8.39| 101.2| 207    |
| 10.12.2018    | 8.325| 24.0| 34.2     | 8.54| 101.5| 209    |
| 14.12.2018    | 8.306| 23.9| 34.2     | 8.64| 102.1| 213    |
| 17.12.2018    | 8.280| 24.3| 34.2     | 8.47| 101.4| 210    |
| 21.12.2018    | 8.321| 23.9| 34.1     | 8.37| 101.7| 205    |
| 27.12.2018    | 8.287| 24.4| 34.1     | 8.64| 101.8| 212    |
| 07.01.2019    | 8.296| 24.2| 34.5     | 8.61| 101.5| 213    |
| 11.01.2019    | 8.261| 24.1| 34.6     | 8.52| 101.2| 210    |
| 14.01.2019    | 8.326| 24.7| 34.5     | 8.45| 102.5| 210    |
| 18.01.2019    | 8.300| 25.1| 34.7     | 8.35| 101.0| 208    |
| 21.01.2019    | 8.272| 24.8| 34.5     | 8.51| 102.4| 213    |
| 25.01.2019    | 8.242| 24.6| 34.5     | 8.38| 100.7| 207    |
| 28.01.2019    | 8.237| 25.3| 34.4     | 8.13| 101.9| 203    |
| 01.02.2019    | 8.263| 25.1| 34.5     | 8.18| 101.6| 204    |
| 04.02.2019    | 8.253| 25.1| 34.4     | 8.45| 101.5| 211    |
| 08.02.2019    | 8.310| 25.2| 34.5     | 8.27| 101.1| 206    |
| 11.02.2019    | 8.322| 25.2| 34.4     | 8.23| 100.4| 205    |
| 15.02.2019    | 8.220| 24.1| 34.5     | 8.68| 101.7| 214    |
| 18.02.2019    | 8.224| 24.7| 34.4     | 8.42| 100.6| 208    |
| 21.02.2019    | 8.397| 24.1| 34.4     | 8.69| 102.9| 214    |
| 25.02.2019    | 8.251| 23.2| 34.4     | 8.84| 101.4| 214    |
| 01.03.19      | 8.340| 24.3| 34.4     | 8.53| 102.6| 211    |
| Date       | pH  | T   | Salinity | O2  |
|------------|-----|-----|----------|-----|
| [dd.mm.yyyy] |    |     | [°C]     | [mg/l] | [mg/l] | [mg/l] |
| 04.03.19   | 8,361 | 24.4 | 34.4      | 8.17  | 101.2  | 202    |
| 06.03.19   | 8,363 | 24.3 | 34.4      | 8.44  | 103.0  | 209    |

| Date       | pH  | T   | Salinity | O2  |
|------------|-----|-----|----------|-----|
| 04.03.19   | 8,361 | 24.4 | 34.4      | 8.17  | 101.2  | 202    |
| 06.03.19   | 8,363 | 24.3 | 34.4      | 8.44  | 103.0  | 209    |
| Date       | pH   | T  | Salinity | O2  |
|------------|------|----|----------|-----|
| 26.10.18   | 8.229| 24.4| 35.0     | 8.33| 102.3| 208  |
| 29.10.18   | 8.226| 24.9| 34.9     | 8.36| 101.2| 208  |
| 02.11.18   | 8.213| 25.2| 35.0     | 8.33| 100.7| 207  |
| 05.11.18   | 8.205| 25.0| 34.9     | 8.40| 101.8| 209  |
| 09.11.18   | 8.213| 24.9| 35.0     | 8.37| 101.8| 209  |
| 12.11.18   | 8.205| 24.8| 35.0     | 8.41| 101.9| 209  |
| 16.11.18   | 8.165| 24.8| 34.9     | 8.61| 101.9| 213  |
| 19.11.18   | 8.197| 24.7| 35.2     | 8.55| 101.8| 211  |
| 23.11.18   | 8.246| 26.9| 35.4     | 8.17| 102.3| 211  |
| 26.11.18   | 8.186| 22.0| 34.9     | 8.92| 101.9| 211  |
| 30.11.18   | 8.181| 24.6| 34.8     | 8.47| 101.8| 208  |
| 03.12.18   | 8.200| 24.4| 35.0     | 8.39| 102.0| 206  |
| 07.12.18   | 8.305| 24.3| 34.3     | 8.36| 101.4| 206  |
| 10.12.18   | 8.312| 24.3| 34.2     | 8.52| 101.6| 209  |
| 14.12.18   | 8.289| 24.0| 34.2     | 8.63| 102.0| 212  |
| 17.12.18   | 8.268| 24.0| 34.2     | 8.54| 101.1| 209  |
| 21.12.18   | 8.307| 24.2| 34.2     | 8.30| 101.7| 205  |
| 27.12.18   | 8.276| 24.6| 34.3     | 8.62| 101.8| 212  |
| 07.01.19   | 8.216| 24.5| 34.7     | 8.61| 101.9| 213  |
| 11.01.19   | 8.233| 24.6| 34.6     | 8.53| 101.6| 211  |
| 14.01.19   | 8.311| 24.2| 34.5     | 8.60| 102.6| 210  |
| 18.01.19   | 8.297| 25.1| 34.6     | 8.43| 101.7| 209  |
| 21.01.19   | 8.300| 24.8| 34.6     | 8.58| 102.7| 213  |
| 25.01.19   | 8.224| 23.8| 34.5     | 8.51| 100.7| 207  |
| 28.01.19   | 8.209| 24.9| 34.6     | 8.20| 101.7| 203  |
| 01.02.19   | 8.226| 24.7| 34.6     | 8.23| 101.4| 204  |
| 04.02.19   | 8.220| 25.1| 34.5     | 8.47| 101.4| 210  |
| 08.02.19   | 8.277| 25.2| 34.6     | 8.24| 100.7| 205  |
| 11.02.19   | 8.286| 24.9| 34.5     | 8.26| 100.5| 205  |
| 15.02.19   | 8.177| 23.8| 34.5     | 8.78| 102.2| 215  |
| 18.02.19   | 8.185| 24.4| 34.5     | 8.43| 100.1| 207  |
| 21.02.19   | 8.362| 24.1| 34.4     | 8.72| 103   |213   |
| 25.02.19   | 8.215| 24.2| 34.5     | 8.70| 101.4| 214  |
| 01.03.19   | 8.322| 24.5| 34.5     | 8.51| 102.5| 211  |
| 04.03.19   | 8.323| 24.4| 34.5     | 8.23| 101.8| 203  |
| 06.03.19   | 8.370| 24.4| 34.5     | 8.57| 104.2| 211  |
| Date       | pH  | T   | Salinity | O2  |
|------------|-----|-----|----------|-----|
| dd.mm.yyyy | °C  | [mg/l]| [%]     | [mbar] |
| 26.10.18   | 8,233 | 24.5 | 34.8     | 8.32 | 102.1 | 207 |
| 29.10.18   | 8,224 | 24.9 | 34.7     | 8.40 | 101.7 | 209 |
| 02.11.18   | 8,204 | 25.1 | 34.8     | 8.35 | 101.3 | 208 |
| 05.11.18   | 8,205 | 25.1 | 34.7     | 8.41 | 102.1 | 209 |
| 09.11.18   | 8,219 | 24.9 | 35.0     | 8.40 | 102.1 | 210 |
| 12.11.18   | 8,212 | 25.0 | 34.7     | 8.42 | 102.4 | 210 |
| 16.11.18   | 8,163 | 25.1 | 34.8     | 8.54 | 101.7 | 213 |
| 19.11.18   | 8,198 | 24.9 | 34.9     | 8.47 | 101.3 | 210 |
| 23.11.18   | 8,251 | 27.1 | 35.2     | 8.09 | 101.8 | 209 |
| 26.11.18   | 8,205 | 22.3 | 34.6     | 8.91 | 102.6 | 212 |
| 30.11.18   | 8,176 | 24.4 | 34.5     | 8.51 | 101.6 | 209 |
| 03.12.18   | 8,209 | 24.3 | 34.7     | 8.41 | 101.7 | 206 |
| 07.12.18   | 8,310 | 24.4 | 34.0     | 8.38 | 101.7 | 207 |
| 10.12.18   | 8,318 | 24.2 | 34.0     | 8.68 | 101.4 | 209 |
| 14.12.18   | 8,311 | 24.4 | 34.0     | 8.61 | 102.0 | 212 |
| 17.12.18   | 8,298 | 24.2 | 34.1     | 8.52 | 101.3 | 209 |
| 21.12.18   | 8,324 | 24.5 | 34.1     | 8.32 | 102.0 | 206 |
| 27.12.18   | 8,286 | 24.8 | 34.1     | 8.59 | 102.6 | 213 |
| 07.01.19   | 8,285 | 24.8 | 34.5     | 8.57 | 101.8 | 213 |
| 11.01.19   | 8,252 | 24.7 | 34.4     | 8.50 | 101.7 | 210 |
| 14.01.19   | 8,323 | 24.8 | 34.6     | 8.50 | 102.6 | 210 |
| 18.01.19   | 8,306 | 25.2 | 34.4     | 8.39 | 101.3 | 209 |
| 21.01.19   | 8,289 | 24.9 | 34.4     | 8.53 | 102.4 | 212 |
| 25.01.19   | 8,235 | 24.3 | 34.5     | 8.38 | 100.6 | 207 |
| 28.01.19   | 8,223 | 25.0 | 34.4     | 8.14 | 101.5 | 203 |
| 01.02.19   | 8,251 | 24.8 | 34.4     | 8.24 | 101.6 | 204 |
| 04.02.19   | 8,239 | 25.1 | 34.4     | 8.43 | 100.7 | 209 |
| 08.02.19   | 8,288 | 25.3 | 34.4     | 8.21 | 100.2 | 205 |
| 11.02.19   | 8,301 | 25.0 | 34.4     | 8.23 | 100.3 | 204 |
| 15.02.19   | 8,200 | 24.2 | 34.4     | 8.72 | 102.4 | 215 |
| 18.02.19   | 8,211 | 24.8 | 34.4     | 8.33 | 99.7  | 207 |
| 21.02.19   | 8,374 | 24.1 | 34.3     | 8.84 | 104.2 | 217 |
| 25.02.19   | 8,242 | 23.2 | 34.4     | 8.83 | 101.0 | 214 |
| 01.03.19   | 8,329 | 24.7 | 34.3     | 8.55 | 103.0 | 212 |
| 04.03.19   | 8,334 | 24.5 | 34.5     | 8.24 | 101.7 | 203 |
| 06.03.19   | 8,371 | 24.5 | 34.4     | 8.43 | 103.3 | 209 |
Supplementary Table S3. Experimental tank parameters.

Microplastic experimental tank measurements of pH (NBS Scale) and Salinity (Sp) before and after exposure. Temperature was kept constant at 25 °C. ET09 = Exposure 1 (E1), ET10 = Exposure 2 (E2), ET11 = Control 3 (C3), ET12 = Control 4 (C4)

| Date          | Tank | pH | Salinity |
|---------------|------|----|----------|
| 23.10.2018    | C3   | 8.1| 34.9     |
|               | C4   | 8.14| 34.9    |
|               | E1   | 8.174| 34.5   |
|               | E2   | 8.168| 34.3    |
| 24.10.2018    | C3   | 8.210| 35.3   |
|               | C4   | 8.238| 35.7   |
|               | E1   | 8.244| 35.6   |
|               | E2   | 8.245| 35.8   |
| 06.11.2018    | C3   | 8.134| 34.7   |
|               | C4   | 8.141| 34.9   |
|               | E1   | 8.139| 34.8   |
|               | E2   | 8.151| 34.8   |
| 07.11.2018    | C3   | 8.128| 35.0   |
|               | C4   | 8.151| 35.2   |
|               | E1   | 8.163| 35.2   |
|               | E2   | 8.185| 35.3   |
| 22.11.2018    | C3   | 8.171| 34.1   |
|               | C4   | 8.172| 34.6   |
|               | E1   | 8.222| 34.4   |
|               | E2   | 8.214| 34.6   |
| 23.11.2018    | C3   | 8.176| 34.4   |
|               | C4   | 8.199| 35.0   |
|               | E1   | 8.201| 35.0   |
|               | E2   | 8.211| 35.2   |
| 04.12.2018    | C3   | 8.144| 34.8   |
|               | C4   | 8.165| 34.8   |
|               | E1   | 8.157| 34.8   |
|               | E2   | 8.148| 34.8   |
| 05.12.2018    | C3   | 8.140| 35.3   |
|               | C4   | 8.167| 35.3   |
|               | E1   | 8.193| 35.4   |
|               | E2   | 8.136| 35.3   |
| 18.12.2018    | C3   | 8.234| 33.8   |
|               | C4   | 8.243| 34.0   |
|               | E1   | 8.239| 34.7   |
|               | E2   | 8.247| 34.4   |
| 19.12.2018    | C3   | 8.266| 34.2   |
| Date       | C3  | C4  | E1  | E2  |
|------------|-----|-----|-----|-----|
| 03.01.2019 | 8,273 | 8,266 | 34,8 | 34,5 |
| 04.01.2019 | 8,249 | 8,288 | 34,9 | 35,2 |
| 15.01.2019 | 8,281 | 8,282 | 34,2 | 34,4 |
| 16.01.2019 | 8,286 | 8,287 | 34,5 | 34,8 |
| 31.01.2019 | 8,180 | 8,201 | 34,4 | 33,9 |
| 01.02.2019 | 8,159 | 8,184 | 34,9 | 34,4 |
| 12.02.2019 | 8,160 | 8,152 | 34,6 | 34,7 |
| 13.02.2019 | 8,231 | 8,224 | 35,1 | 35,2 |
| 26.02.2019 | 8,250 | 8,238 | 34,7 | 34,8 |
| 27.02.2019 | 8,323 | 8,315 | 35,1 | 34,8 |