

Table S1 - N° of anthropogenic microfibers and relative lengths in POST-EXPOSURE and PRE-EXPOSURE moss and lichen

| Biomonitor | Site | Bag portion | N of mfs | Average Length | Median±MAD - N of mfs | Median±MAD - Length |
|---------------|------|-------------|----------|----------------|-----------------------|---------------------|
| POST EXPOSURE | | | | | | |
| L | Rr | Th | 60 | 1.34 | 65±2 | 1.4±0.0 |
| L | Rr | Th | 65 | 1.39 | | |
| L | Rr | Th | 67 | 1.41 | | |
| L | Rr | N | 21 | 1.85 | 24±2 | 1.8±0.0 |
| L | Rr | N | 24 | 1.86 | | |
| L | Rr | N | 27 | 1.76 | | |
| L | Rr | All | 81 | 1.47 | 89±4 | 1.5±0.0 |
| L | Rr | All | 89 | 1.52 | | |
| L | Rr | All | 94 | 1.51 | | |
| L | Pk | Th | 77 | 1.48 | 85±4 | 1.3±0.1 |
| L | Pk | Th | 85 | 1.22 | | |
| L | Pk | Th | 88 | 1.34 | | |
| L | Pk | N | 29 | 1.56 | 30±2 | 1.6±0.1 |
| L | Pk | N | 35 | 1.71 | | |
| L | Pk | N | 30 | 1.54 | | |
| L | Pk | All | 106 | 1.50 | 118±5 | 1.4±0.1 |
| L | Pk | All | 120 | 1.36 | | |
| L | Pk | All | 118 | 1.39 | | |
| L | Rf | Th | 69 | 1.44 | 76±3 | 1.3±0.1 |
| L | Rf | Th | 79 | 1.29 | | |
| L | Rf | Th | 76 | 1.26 | | |
| L | Rf | N | 20 | 1.61 | 20±3 | 1.6±0.1 |
| L | Rf | N | 16 | 1.46 | | |
| L | Rf | N | 24 | 1.84 | | |
| L | Rf | All | 89 | 1.48 | 95±4 | 1.4±0.1 |
| L | Rf | All | 95 | 1.32 | | |
| L | Rf | All | 100 | 1.40 | | |
| M | Rr | Th | 85 | 1.29 | 85±2 | 1.3±0.0 |
| M | Rr | Th | 84 | 1.22 | | |
| M | Rr | Th | 90 | 1.28 | | |
| M | Rr | N | 29 | 1.42 | 22±3 | 1.41±0.11 |
| M | Rr | N | 22 | 1.41 | | |
| M | Rr | N | 21 | 1.09 | | |
| M | Rr | All | 114 | 1.32 | 111±3 | 1.3±0.1 |
| M | Rr | All | 106 | 1.26 | | |
| M | Rr | All | 111 | 1.21 | | |
| M | Pk | Th | 102 | 1.02 | 106±3 | 1.0±0.0 |
| M | Pk | Th | 112 | 1.03 | | |
| M | Pk | Th | 106 | 0.97 | | |
| M | Pk | N | 34 | 1.26 | 36±2 | 1.3±0.0 |
| M | Pk | N | 40 | 1.34 | | |
| M | Pk | N | 36 | 1.26 | | |
| M | Pk | All | 136 | 1.09 | 142±5 | 1.1±0.0 |
| M | Pk | All | 152 | 1.11 | | |
| M | Pk | All | 142 | 1.04 | | |
| M | Rf | Th | 65 | 1.30 | 72±6 | 1.3±0.0 |
| M | Rf | Th | 72 | 1.31 | | |
| M | Rf | Th | 83 | 1.33 | | |
| M | Rf | N | 35 | 1.53 | 38±2 | 1.5±0.1 |
| M | Rf | N | 42 | 1.40 | | |
| M | Rf | N | 38 | 1.49 | | |
| M | Rf | All | 100 | 1.38 | 114±7 | 1.4±0.0 |
| M | Rf | All | 114 | 1.34 | | |
| M | Rf | All | 121 | 1.38 | | |
| PRE EXPOSURE | | | | | | |
| M | | | 45 | 1.12 | 37±4.8 | 1.12±0.104 |
| M | | | 28 | 1.02 | | |
| M | | | 37 | 1.07 | | |
| M | | | 37 | 1.22 | | |
| M | | | 44 | 1.39 | | |
| L | | | 78 | 1.14 | 58±8 | 1.24±0.076 |
| L | | | 58 | 1.12 | | |
| L | | | 60 | 1.35 | | |
| L | | | 47 | 1.29 | | |
| L | | | 51 | 1.24 | | |

| Biomonitor | Bag portion | N of mfs | Average Length | Median±MAD - N of mfs | Median±MAD - Lenght |
|---------------|-------------|----------|----------------|-----------------------|---------------------|
| POST EXPOSURE | | | | | |
| L | Th | 69 | 1.44 | 76±3 | 1.3±0.1 |
| L | Th | 79 | 1.29 | | |
| L | Th | 76 | 1.26 | | |
| L | N | 20 | 1.61 | 20±23 | 1.6±0.1 |
| L | N | 16 | 1.46 | | |
| L | N | 24 | 1.84 | | |
| L | All | 89 | 1.48 | 95±4 | 1.4±0.1 |
| L | All | 95 | 1.32 | | |
| L | All | 100 | 1.40 | | |
| L | Naked | 84 | 1.09 | 90±5 | 1.2±0.1 |
| L | Naked | 100 | 1.36 | | |
| L | Naked | 90 | 1.17 | | |
| M | Th | 65 | 1.30 | 72±6 | 1.3±0.0 |
| M | Th | 72 | 1.31 | | |
| M | Th | 83 | 1.33 | | |
| M | N | 35 | 1.53 | 38±2 | 1.5±0.1 |
| M | N | 42 | 1.40 | | |
| M | N | 38 | 1.49 | | |
| M | All | 100 | 1.38 | 114±7 | 1.4±0.1 |
| M | All | 114 | 1.34 | | |
| M | All | 121 | 1.38 | | |
| M | Naked | 94 | 1.34 | 104±9 | 1.5±0.1 |
| M | Naked | 120 | 1.51 | | |
| M | Naked | 104 | 1.46 | | |