

Supplementary Table 1: SRA accession number and meta-data of samples

SRA Accession number	Collected from	Location	Sample type
SRR23820843	sed	L1	control
SRR23820844	sed	L1	control
SRR23820849	sed	L1	PS
SRR23820853	sed	L1	PE
SRR23820864	sed	L1	PS
SRR23820865	sed	L1	PE
SRR9903905	sed	L2	PP
SRR9903906	sed	L2	PP
SRR9903908	sed	L2	PE
SRR9903909	sed	L2	control
SRR9903910	sed	L2	control
SRR9903913	sed	L2	PP
SRR9903914	sed	L2	PE
SRR9903915	sed	L2	PE
SRR9903916	sed	L3	control
SRR9903917	sed	L3	control
SRR9903920	sed	L3	PE
SRR9903922	sed	L3	PP
SRR9903923	sed	L3	PE
SRR9903924	sed	L3	PE
SRR9903925	sed	L3	PE
SRR9903926	sed	L3	PP
SRR9903927	sed	L3	PE
SRR9903928	sed	L3	PP
SRR9903929	sed	L3	PP

Abbreviations

PE-Polyethylene

PS- polystyrene

PP-Polypropylene

sed-sediment;

L1- Svanemøllen Harbor, Denmark (L1)

L2- Ancona, Eastern coast of Italy

L3- Naples, Western coast of Italy