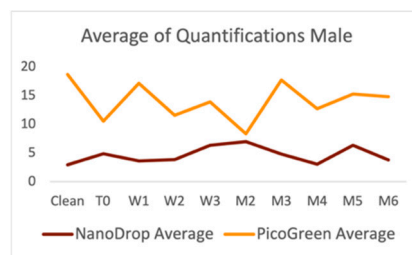


Transferability of human and environmental microbiome on clothes as a tool for forensic investigation

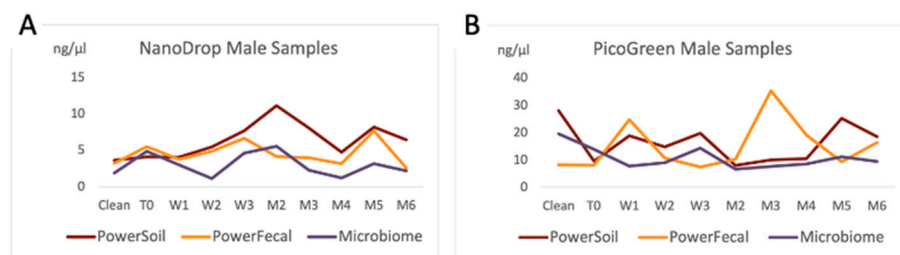
Supplementary Materials



Supplementary Figure S1. A visual representation of the calculated concentrations from the Quant-iT™ PicoGreen™ measurements of the female samples collected after washing the t-shirt (“clean”) and after wearing it at time 0, after 1,2 and 3 weeks, and after 2 months. Each of the three sets of replicates is reported with three different colours.



Supplementary Figure S2. Average concentrations of the male samples over time (T0-month 6), divided by quantification methods (NanoDrop™ vs Quant-iT™ PicoGreen™).



Supplementary Figure S3. Concentrations of the male samples over time (T0-month 6) measured with (a) NanoDrop™ and (B) Quant-iT™ PicoGreen™.

	Kingdom	Phylum	Class	Order	Family	Genus	Species	unique
CORE MICROBIOME MALE SWABS								
ASV1066	d__Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus Genus	06f825b512d9 03b9230e1a5 5d87359ee
ASV1088	d__Bacteria	Firmicutes	Bacilli	Staphylococcales	Staphylococcaceae	Staphylococcus	Staphylococcus Genus	65d43491988 bfe557da4d86 a5ba25dae
ASV1336	d__Bacteria	Actinobacteriota	Actinobacteria	Corynebacteriales	Corynebacteriaceae	Corynebacterium	Corynebacterium Genus	aa9b3a1418d 146c262ec633 05292065a
ASV1341	d__Bacteria	Actinobacteriota	Actinobacteria	Corynebacteriales	Corynebacteriaceae	Corynebacterium	Corynebacterium _aurimucosum	6a4c0e5943a 7eb8cf0b5b5 e69171828
CORE MICROBIOME T-SHIRTS POST WASHING								
ASV1088	d__Bacteria	Firmicutes	Bacilli	Staphylococcales	Staphylococcaceae	Staphylococcus	Staphylococcus Genus	65d43491988 bfe557da4d86 a5ba25dae
ASV1336	d__Bacteria	Actinobacteriota	Actinobacteria	Corynebacteriales	Corynebacteriaceae	Corynebacterium	Corynebacterium Genus	aa9b3a1418d 146c262ec633 05292065a
ASV1341	d__Bacteria	Actinobacteriota	Actinobacteria	Corynebacteriales	Corynebacteriaceae	Corynebacterium	Corynebacterium _aurimucosum	6a4c0e5943a 7eb8cf0b5b5 e69171828
ASV1623	d__Bacteria	Proteobacteria	Gammaproteo bacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter Genus	ea03646ed2 2d679fa45862 63d8fc32f
CORE MICROBIOME BOXES								
ASV95	d__Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylobacterium-Methylobacterium	Methylobacterium_m_soli	310c4295d08 0f79e09b15ee 634bf65cf
ASV103	d__Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylobacterium-Methylobacterium	Methylobacterium_m-Methylobacterium Genus	e0f50c5adf53 7a0a3a63e61 720b38ed5
ASV1017	d__Bacteria	Firmicutes	Bacilli	Paenibacillales	Paenibacillaceae	Paenibacillus	Paenibacillus Genus	ba6c32d2cb6 92cd9e0fdc36 93a3996e5
ASV1019	d__Bacteria	Firmicutes	Bacilli	Paenibacillales	Paenibacillaceae	Paenibacillus	Paenibacillus_ti monensis	2c16378eb83f b581fa19dc78 50ef14e4
ASV1022	d__Bacteria	Firmicutes	Bacilli	Paenibacillales	Paenibacillaceae	Paenibacillus	Paenibacillus Genus	d3fc258e178 740b8efd9946 f7f08cd3
ASV1028	d__Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus Genus	b8c545c99dea 06d010eb0bf 2c6572d1c
ASV1033	d__Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Lysinibacillus	Lysinibacillus Genus	1fb6ab5be1d4 27ef2ed5faea acd60eca
ASV1219	d__Bacteria	Actinobacteriota	Actinobacteria	Propionibacteriales	Nocardioidaceae	Nocardioides	Nocardioides Genus	7eb6d17edc7 00607f19d055 c57c86222
CORE MICROBIOME TRANSFER AT T14 DAYS								
ASV1066	d__Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus Genus	06f825b512d9 03b9230e1a5 5d87359ee
ASV1678	d__Bacteria	Proteobacteria	Gammaproteo bacteria	Burkholderiales	Neisseriaceae	Neisseria	Neisseria Genus	f1860fe71625 7bd5fd5c4c6a 16cf3b95
CORE MICROBIOME TRANSFER AT T21 DAYS								
ASV1266	d__Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Micrococcaceae	Micrococcus	Micrococcus Genus	0c579d21280 801f02a641e1 608606927
CORE MICROBIOME TRANSFER AT T60 DAYS								
ASV1066	d__Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus Genus	06f825b512d9 03b9230e1a5 5d87359ee
ASV1266	d__Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Micrococcaceae	Micrococcus	Micrococcus Genus	0c579d21280 801f02a641e1 608606927
CORE MICROBIOME TRANSFER AT T90 DAYS								
ASV1066	d__Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus Genus	06f825b512d9 03b9230e1a5 5d87359ee
ASV1266	d__Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Micrococcaceae	Micrococcus	Micrococcus Genus	0c579d21280 801f02a641e1 608606927
CORE MICROBIOME TRANSFER AT T120 DAYS								

ASV1266	d__Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Micrococcaceae	Micrococcus	Micrococcus Genus	0c579d21280801f02a641e1608606927
CORE MICROBIOME TRANSFER AT T150 DAYS								
ASV1066	d__Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus Genus	06f825b512d903b9230e1a55d87359ee
ASV1266	d__Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Micrococcaceae	Micrococcus	Micrococcus Genus	0c579d21280801f02a641e1608606927
CORE MICROBIOME TRANSFER AT T180 DAYS								
ASV1066	d__Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus Genus	06f825b512d903b9230e1a55d87359ee
ASV1266	d__Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Micrococcaceae	Micrococcus	Micrococcus Genus	0c579d21280801f02a641e1608606927