Table S2. Proportions of abundant groups of bacteria (>1%) enriched in biofilms from RO membranes of two water reclamation plants with different biological support medium (sand or schists) in the pretreatment compartment. Secondary effluent (SE) has been added for the sake of comparison. Those sequences retrieved only in one of the sample sets are highlighted with gray shadow. Previously reported pathogenic and biofilm formation abilities for each genus are also indicated.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **PHYLUM/CLASS** | **FAMILY** | **GENUS** | **% SE** | **% - SCHISTSa** | **% - SANDb** | **Pathogenic** | **Involved in biofilm formation** |
| **Betaproteobacteria** | *Neisseriaceae* | Uncultured | 0.3 | 26.8 | 30.2 | Yes (humans) | Yes |
|  | *Comamonadaceae* | *Hydrogenophaga* | 0.3 | 4.7 | 4.3 | Yes (plants) | Yes |
|  | *Comamonadaceae* | *Acidovorax* | 1.2 | 0.7 | 1.7 | Yes (plants) | Yes |
|  | *Alcaligenaceae* | *Achromobacter* | 1.2 | 0 | 1.3 | Yes (humans) | Yes |
| **Epsilonproteobacteria** | *Campylobacteriaceae* | *Arcobacter* | 1.7 | 11.0 | 2.5 | Yes (humans, animals) | Yes |
| **Gammaproteobacteria** | *Oceanospirillaceae* | *Pseudospirillum* | 0.03 | 3.2 | 0 | No | No |
|  | *Run-SP154* | Uncultured | 0.8 | 0 | 1.2 | No | No |
| **Bacteroidetes** | *Chitinophagaceae* | *Sediminibacterium* | 0 | 6.2 | 2.5 | No | Yes |
|  | *env OPS 17* | Uncultured | 0 | 2.0 | 0 | No | No |
|  | *Flavobacteriaeae* | *Chryseobacterium* | 0 | 2.6 | 0.2 | Yes (humans, animals) | Yes |
|  | *Sphingobacteriaceae* | *Pedobacter* | 1.5 | 0 | 1.1 | No | Yes |
| **Verrumicrobia** | *Opitutaceae* | *Opitutus* | 0.3 | 2.3 | 0.1 | No | Yes |
| **Alphaproteobacteria** | *Rhodospirillaceae* | Uncultured | 0 | 1.5 | 0.6 | No | Yes |
|  | *Caulobacteraceae* | *Caulobacter* | 2.1 | 1.3 | 1.3 | No | Yes |
|  | *Caulobacteraceae* | *Brevundimonas* | 2.8 | 0.6 | 3.1 | Yes (humans) | Yes |
|  | *Bradyrhizobiaceae* | *Bradyrhizobium* | 3.9 | 0.2 | 1.0 | No | Yes |
|  | *Hyphomicrobiaeceae* | *Devosia* | 1.7 | 0 | 1.1 | No | Yes |
| **Fusobacteria** | *Leptotrichiaceae* | Uncultured | 0.6 | 0.1 | 7.2 | Yes (humans) | Yes |

a Mean of samples M12a and M12b\_B

b Mean of samples M12a, M12b\_B and M12c\_B