Electronic Supplementary Material (ESI) for RSC Advances.

Biofilm formation potential and chlorine resistance of typical bacteria isolated from drinking water distribution systems

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Table S1 Basic information of tested bacteria strains.

| GeneBank Accession NO. | Identified bacteria (similarity) | Taxonomy | Colony morphology | Cell morphology |
|-------------------------|---------------------------------|----------|-------------------|-----------------|
| MT279969                | \textit{Sphingomonas} sp. (DQ840049, 99\%) | Alphaproteobacteria | Round, uaquaversal upwarping, smooth, yellowish brown/bright yellow | Short rod (oval) G\textsuperscript{−} oxidase positive, catalase positive |
| MT279968                | \textit{Acidovorax defluvii} (NR026506, 99\%) | Betaproteobacteria | Convex surface, smooth, beige/light yellow | Straight rod G\textsuperscript{−} oxidase egative, catalase positive |
| MT279971                | \textit{Acinetobacter} sp. (FR677019, 99\%) | Gammaproteobacteria | Round, convex surface, smooth, slightly opaque, light yellow | Short rod (round) G\textsuperscript{−} oxidase egative, catalase positive |
| MT279970                | \textit{Bacillus} cereus (GQ462533, 99\%) | Firmicutes, Bacilli | Round, not smooth, irregular edge, milky | Rod G\textsuperscript{+} oxidase egative, catalase positive |
| MT279967                | \textit{Microbacterium laevaniformans} (JQ229810, 99\%) | Actinobacteria, Actinobacteridae | Round, slight bulge, rough, opaque yellow | Fine, long and irregular rod (V shape) G\textsuperscript{+} oxidase egative, catalase positive |

Note: G\textsuperscript{−}: Gram-negative bacteria, G\textsuperscript{+}: Gram-positive bacteria.
**Fig. S1** SEM images of tested bacteria strains (40,000× or 20,000×).
Fig. S2 Biofilm activity of single-species biofilm at different incubation times. The average error bar percentages are 48.04% for *Acidovorax defluvii*, 17.30% for *Acinetobacter* sp., 33.58% for *Bacillus cereus*, 27.03% for *Microbacterium laevaniformans*, and 34.90% for *Sphingomonas* sp..