Electronic Supplementary Material (ESI) for Environmental Science: Water Research & Technology.

Electronic Supplementary Information

Table S1 Gene copy numbers of *Mycobacterium* spp. and fungi (from high to low numbers) in the treated water of 28 treatment plants in the Netherlands that produce unchlorinated drinking water from groundwater and their relation to the amount of regrowth (low, medium and high) in the distribution system as has been determined by van der Wielen & van der Kooij [44].

Plant	*Mycobacterium* (gc l^{-1})	Regrowth Rank*	Plant	Fungi (gc l^{-1})	Regrowth Rank*
19	1.4×10^6	Medium	26	1.5×10^6	Low
14	1.1×10^6	Medium	14	7.2×10^5	Medium
2	5.8×10^5	Medium	16	6.9×10^5	Medium
23	3.7×10^5	Low	15	4.8×10^5	Low
22	3.2×10^5	Medium	3	3.0×10^5	Medium
6	3.1×10^5	Low	18	1.7×10^5	Low
3	3.0×10^5	Medium	19	1.6×10^5	Medium
1	2.3×10^5	Low	27	1.6×10^5	Low
25	2.2×10^5	High	23	1.4×10^5	Low
21	2.0×10^5	Medium	11	1.3×10^5	Low
5	1.9×10^5	Low	6	1.1×10^5	Low
8	1.8×10^5	Low	22	1.0×10^5	Medium
13	1.8×10^5	Low	20	9.0×10^4	Low
11	1.7×10^5	Low	9	8.5×10^4	Low
28	1.7×10^5	Low	13	7.7×10^4	Low
18	1.5×10^5	Low	4	7.0×10^4	Low
27	1.4×10^5	Low	1	6.5×10^4	Low
20	1.2×10^5	Low	21	6.3×10^4	Medium
24	1.1×10^5	Low	2	6.2×10^4	Medium
12	1.0×10^5	Medium	17	5.1×10^4	Medium
9	7.1×10^4	Low	28	4.8×10^4	Low
26	6.1×10^4	Low	25	6.4×10^4	High
16	5.5×10^4	Medium	8	5.6×10^4	Low
15	5.0×10^4	Low	12	5.0×10^4	Medium
4	4.9×10^4	Low	24	4.2×10^4	Low
17	4.7×10^4	Medium	5	4.0×10^4	Low

* Rank regrowth was based on the average *Aeromonas* plate counts and HPC in the distribution system over a three year period and were taken from van der Wielen & van der Kooij [44].

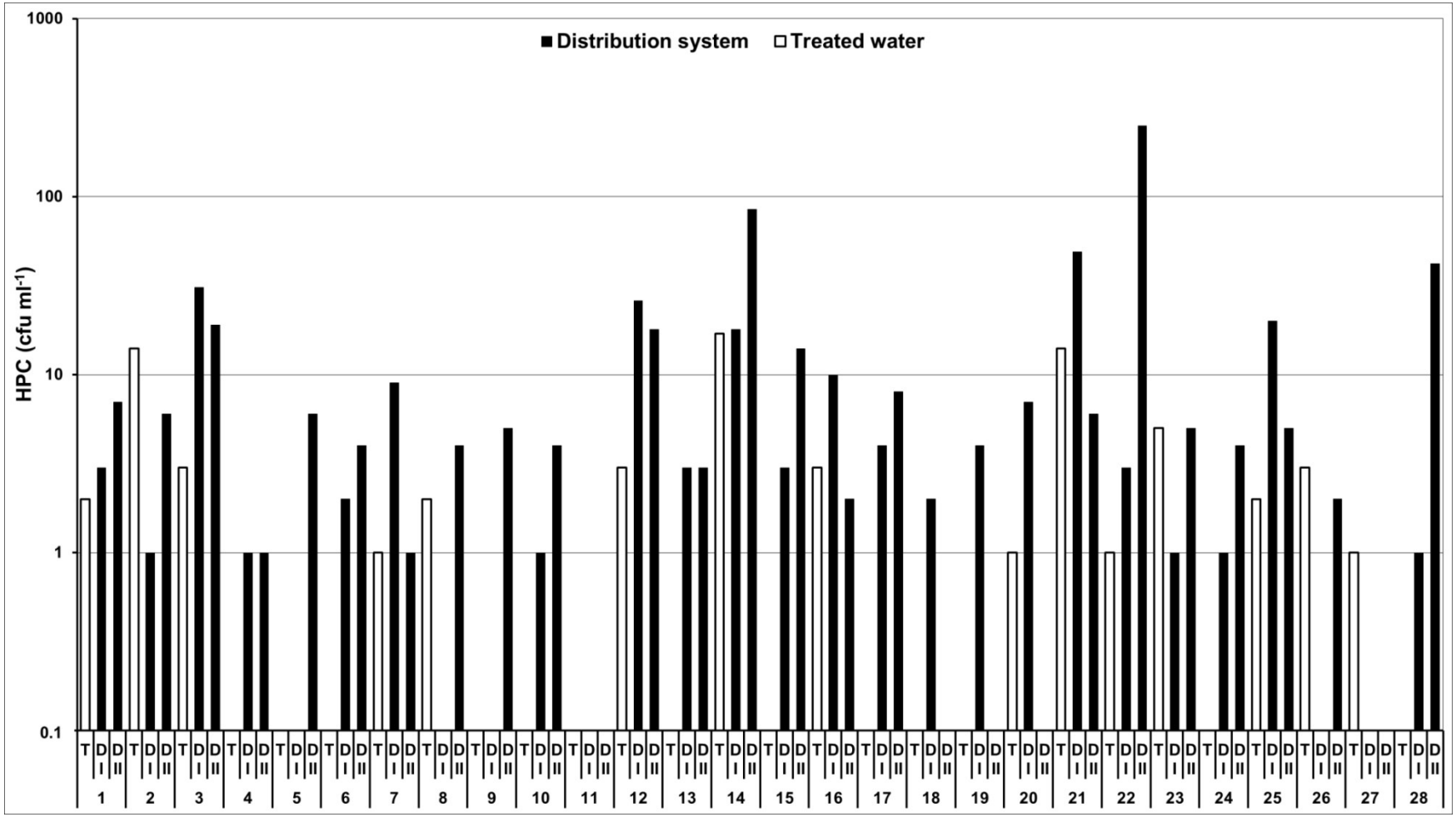

Figure S1 Heterotrophic plate counts (HPC) in treated water and in drinking water samples at two locations in the distribution system of 28 treatment plants in the Netherlands that produce unchlorinated drinking water from groundwater. T, treated water; DI, water from location I in distribution system; DII, water from location II in distribution system.

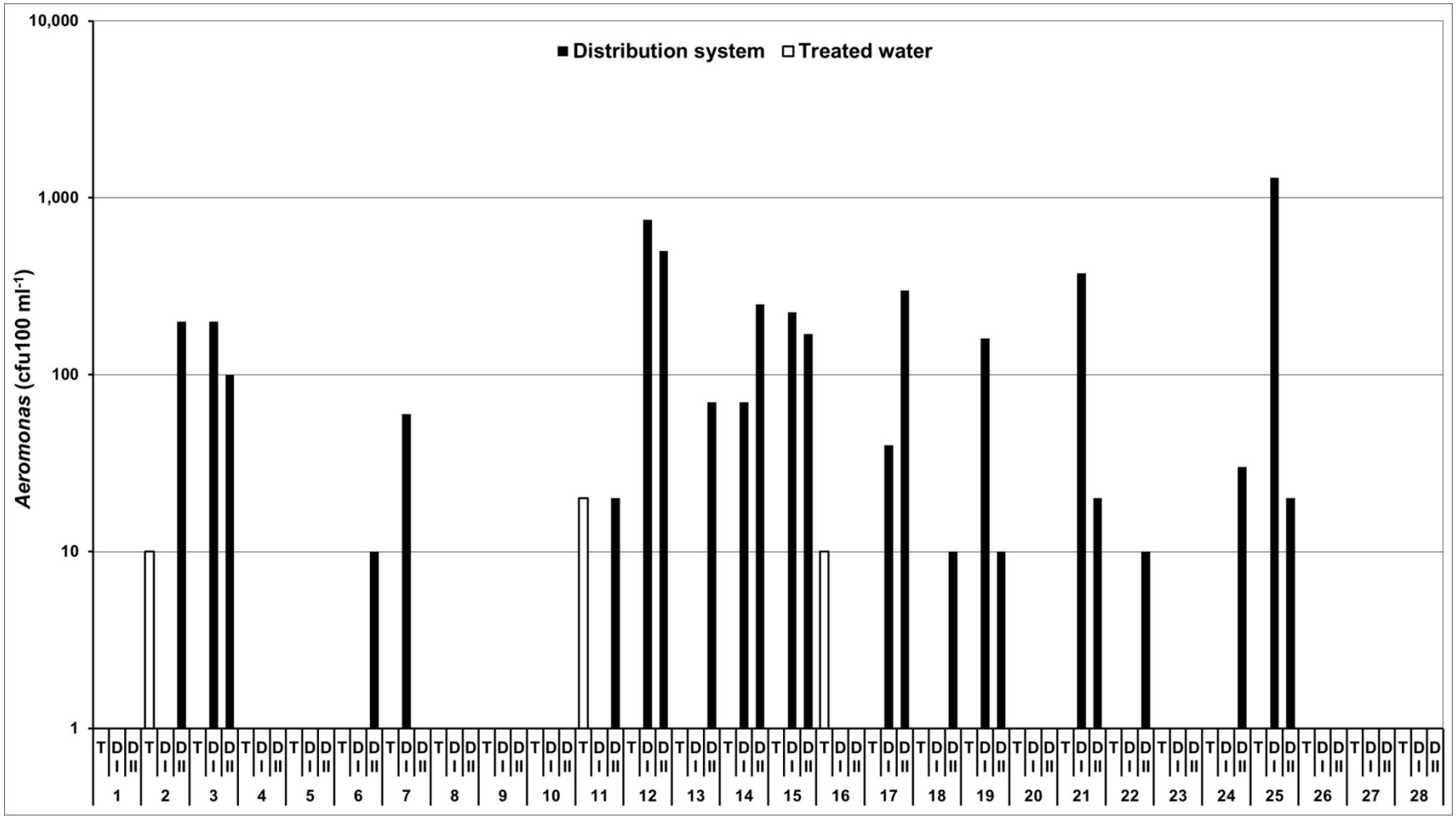

Figure S2 *Aeromonas* plate counts in treated water and in drinking water samples at two locations in the distribution system of 28 treatment plants in the Netherlands that produce unchlorinated drinking water from groundwater.

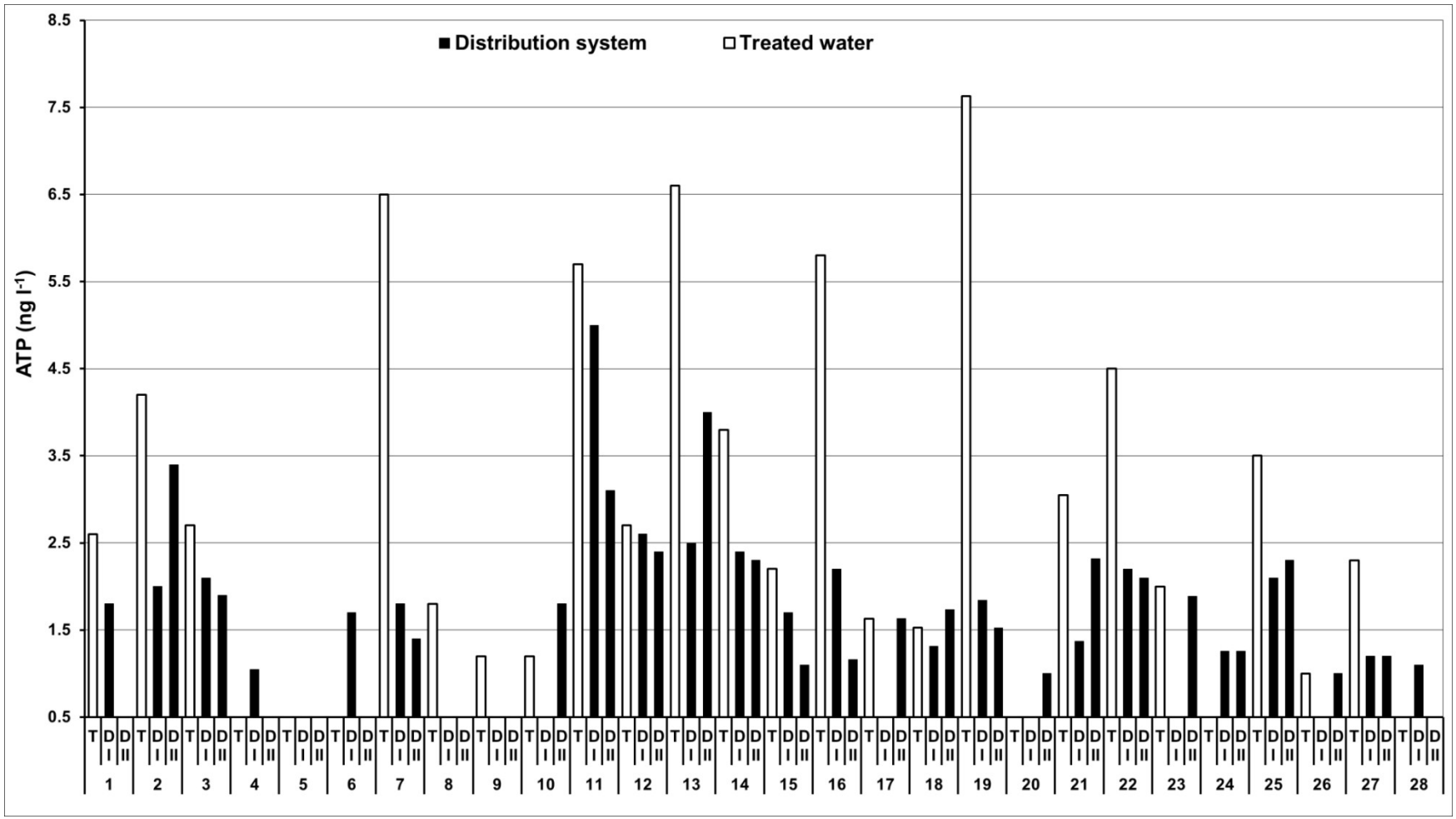

Figure S3 ATP concentrations in treated water and in drinking water samples at two locations in the distribution system of 28 treatment plants in the Netherlands that produce unchlorinated drinking water from groundwater. T, treated water; DI, water from location I in distribution system; DII, water from location II in distribution system.

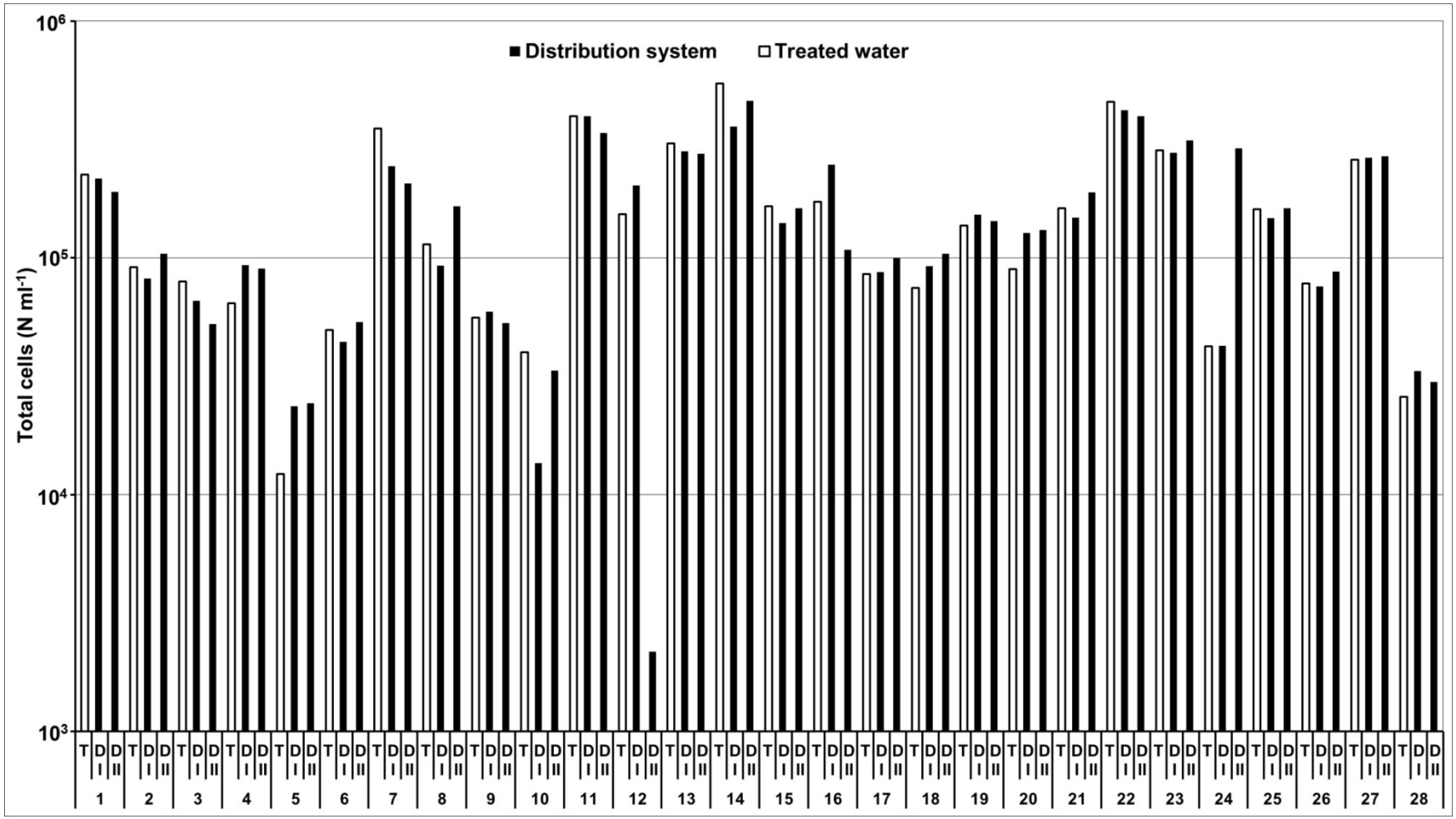

Figure S4 Total cell counts enumerated with a flow cytometer in treated water and in drinking water samples at two locations in the distribution system of 28 treatment plants in the Netherlands that produce unchlorinated drinking water from groundwater. T, treated water; DI, water from location I in distribution system; DII, water from location II in distribution system.

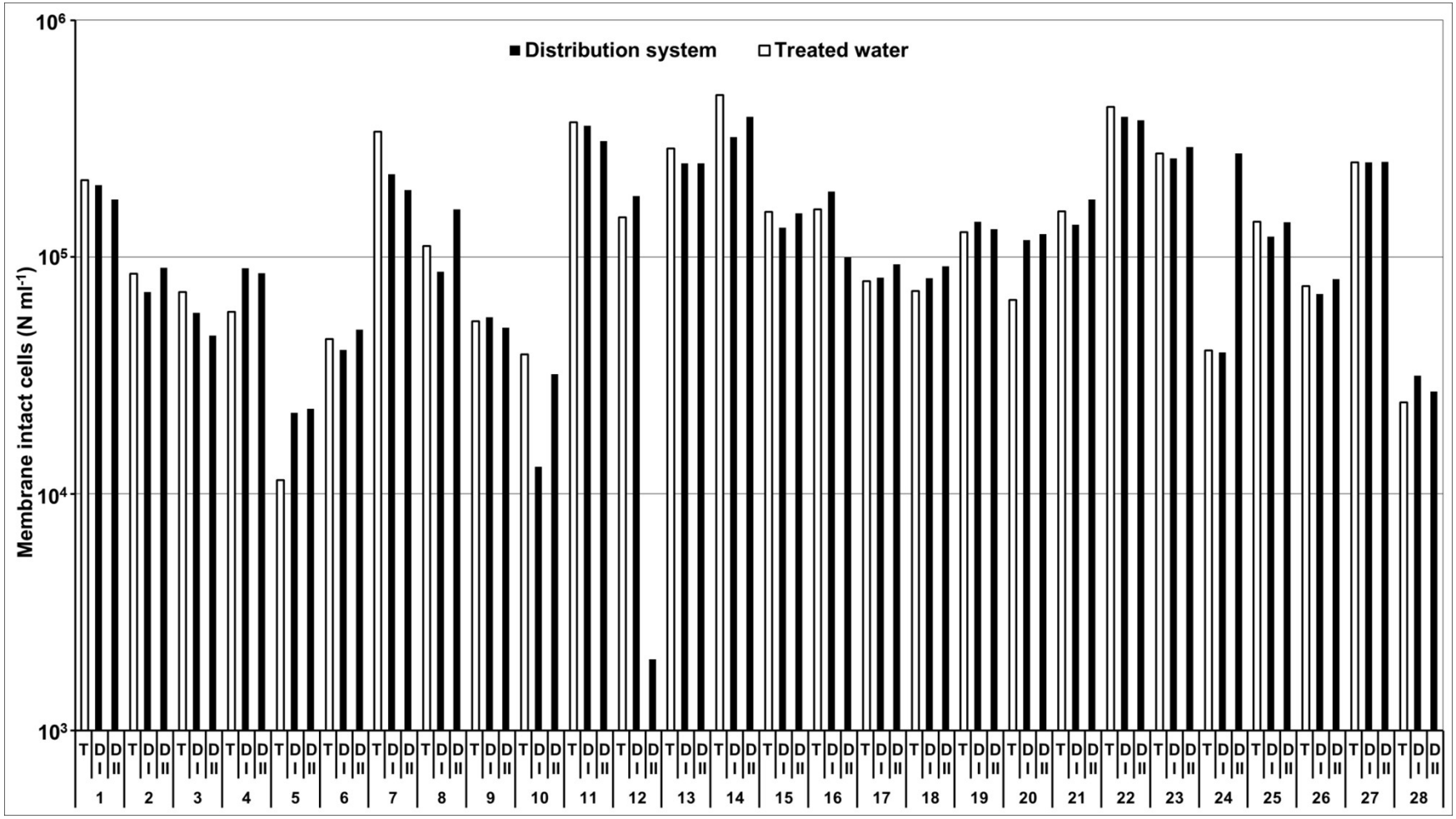

Figure S5 Membrane intact cell numbers enumerated with a flow cytometer in treated water and in drinking water samples at two locations in the distribution system of 28 treatment plants in the Netherlands that produce unchlorinated drinking water from groundwater.

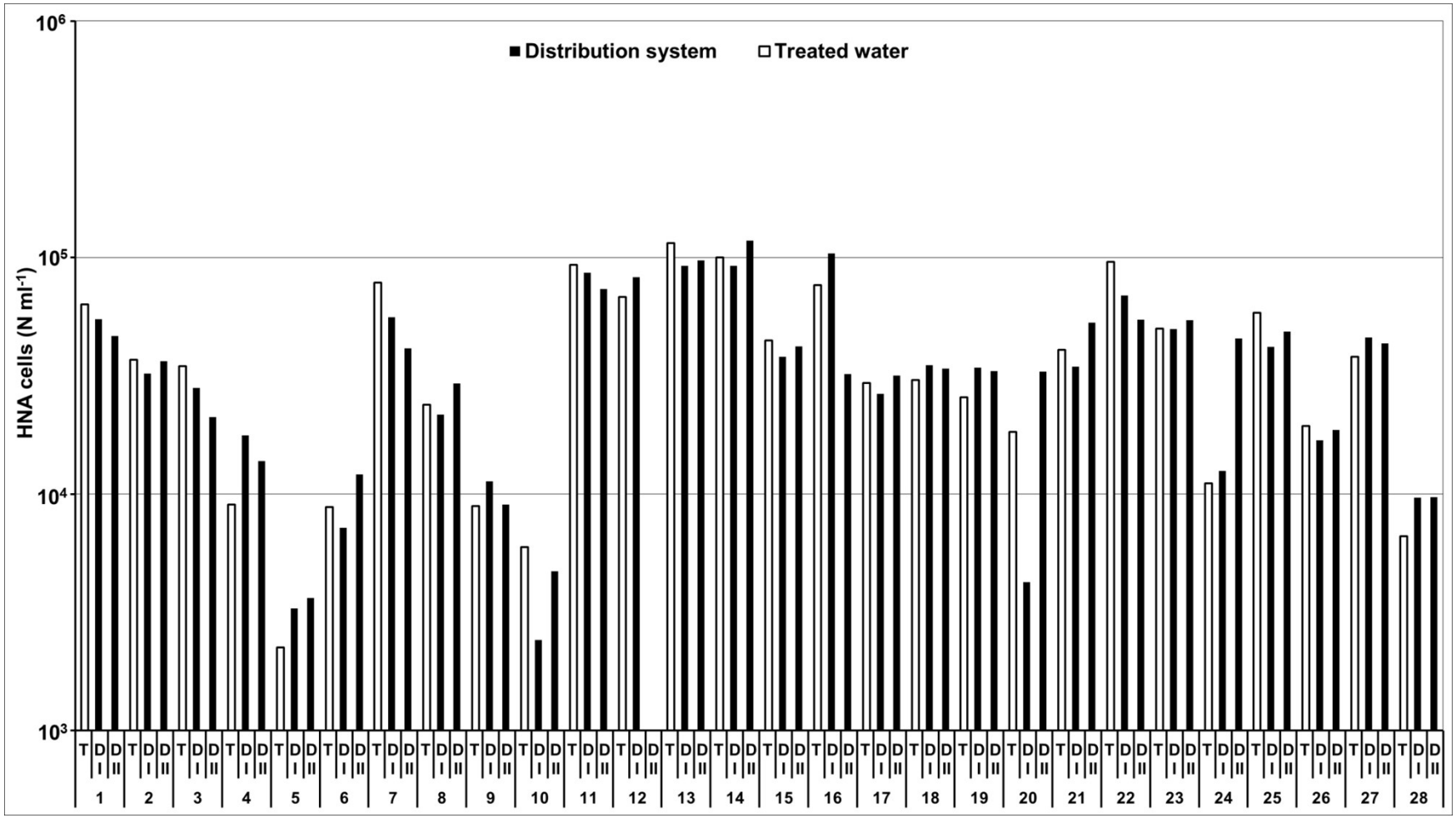

Figure S6 High nucleic acid (HNA) cell numbers enumerated with a flow cytometer in treated water and in drinking water samples at two locations in the distribution system of 28 treatment plants in the Netherlands that produce unchlorinated drinking water from groundwater.

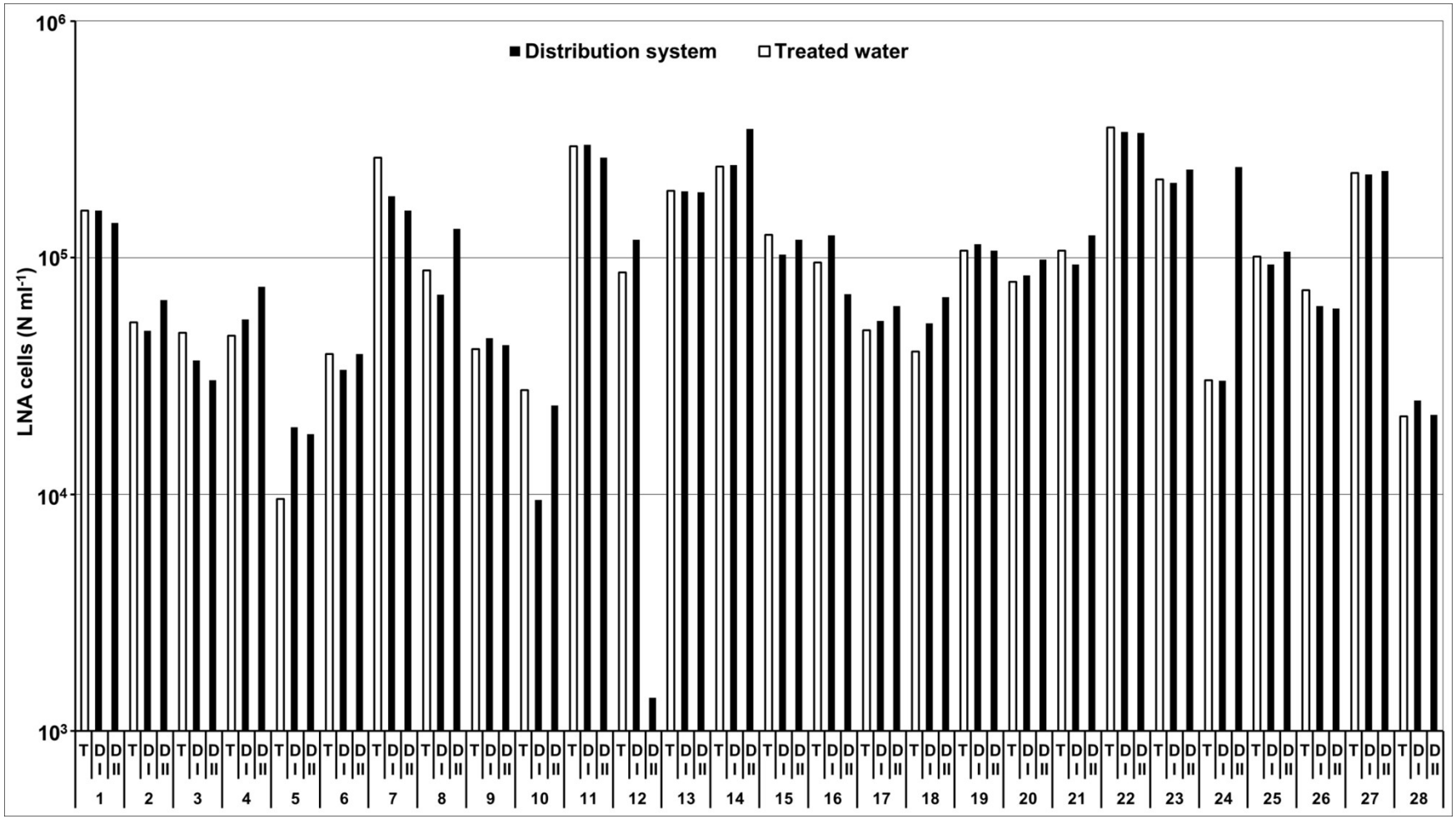

Figure S7 Low nucleic acid (LNA) cell numbers enumerated with a flow cytometer in treated water and in drinking water samples at two locations in the distribution system of 28 treatment plants in the Netherlands that produce unchlorinated drinking water from groundwater.

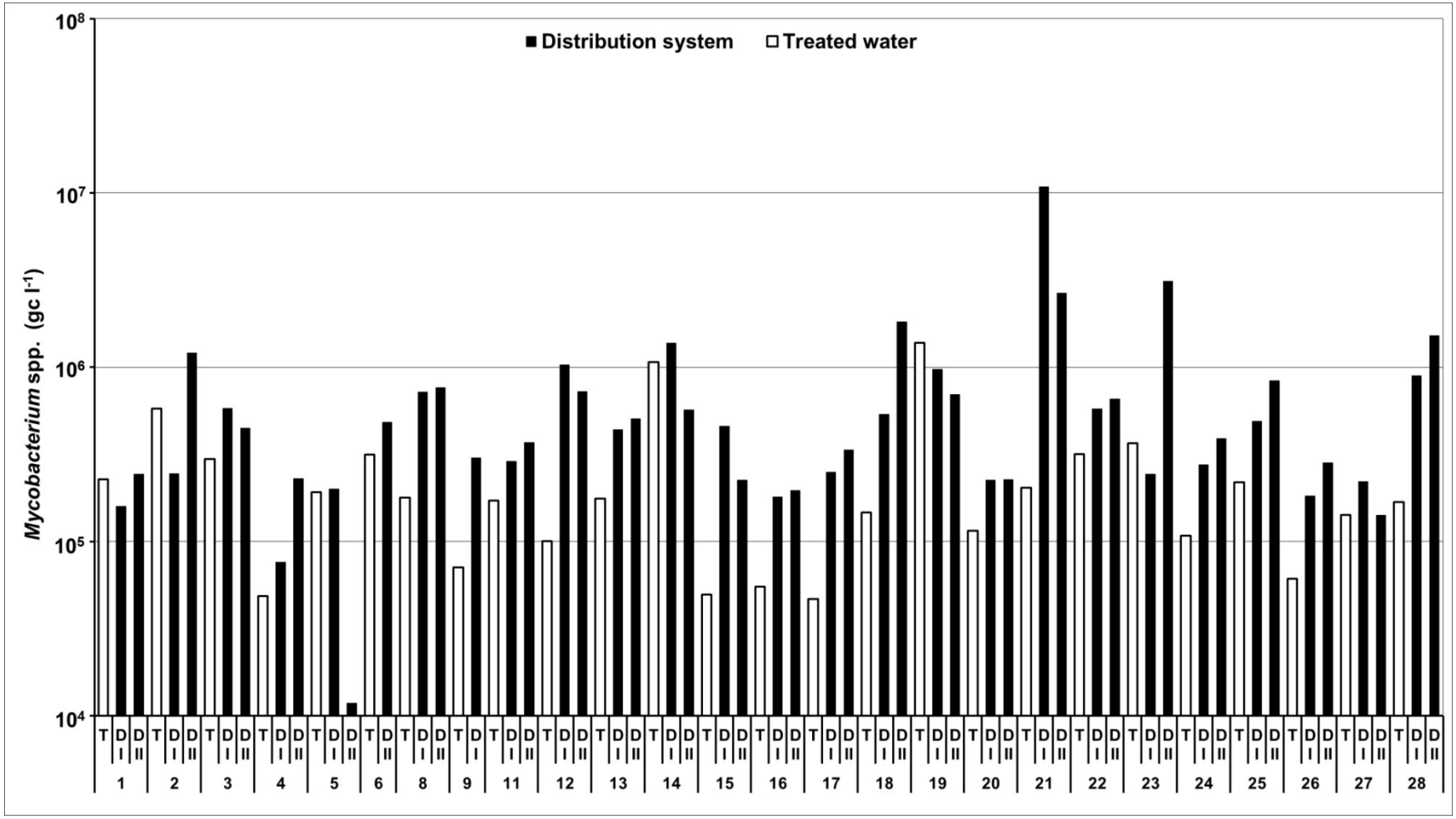

Figure S8 16S rRNA gene copy numbers (gc) of *Mycobacterium* spp. in treated water and in drinking water samples at two locations in the distribution system of 28 treatment plants in the Netherlands that produce unchlorinated drinking water from groundwater. T, treated water; DI, water from location I in distribution system; DII, water from location II in distribution system.

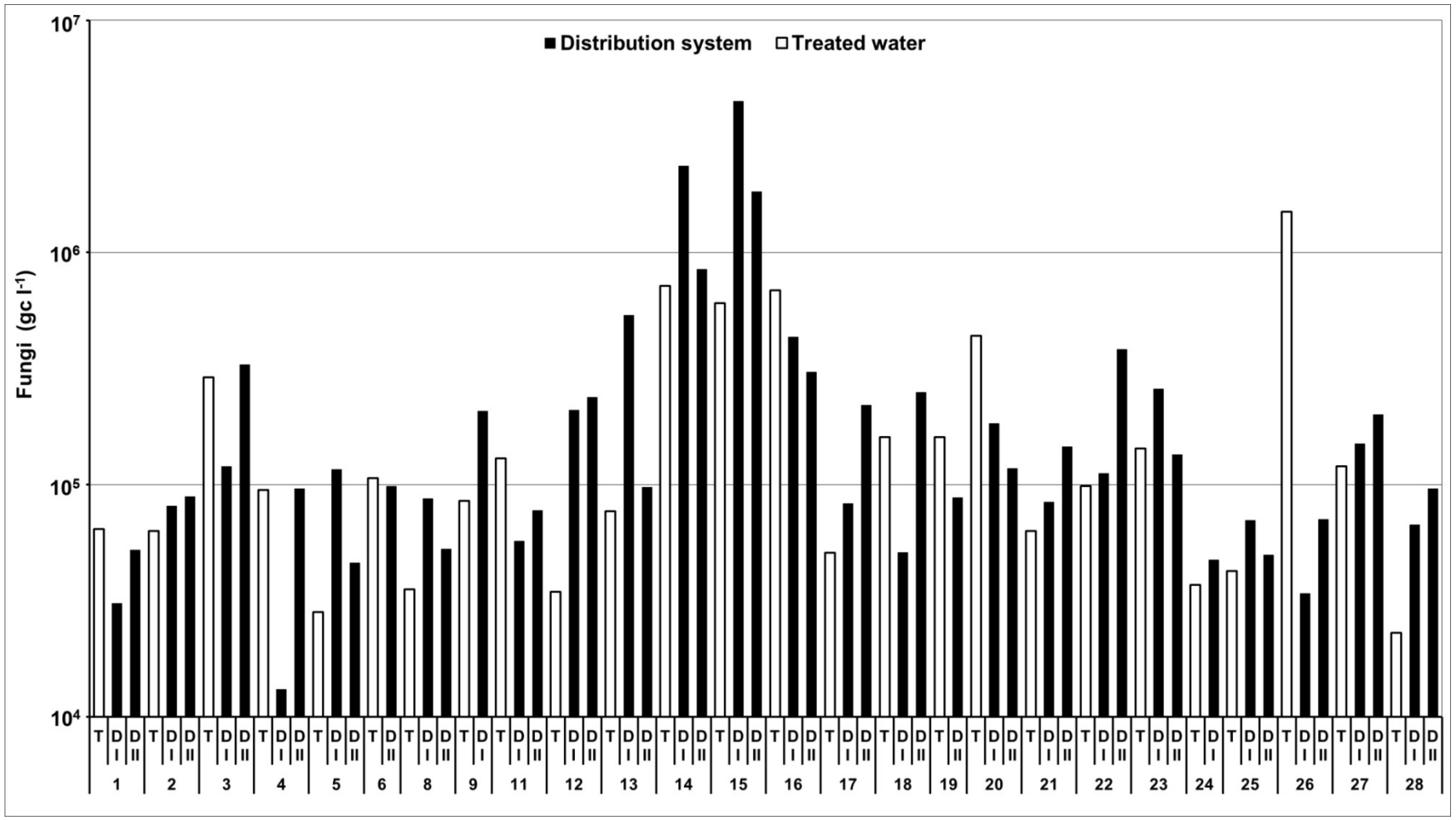

Figure S9 18S rRNA gene copy numbers (gc) of fungi in treated water and in drinking water samples at two locations in the distribution system of 28 treatment plants in the Netherlands that produce unchlorinated drinking water from groundwater. T, treated water; DI, water from location I in distribution system; DII, water from location II in distribution system.