Table S4 The top 2 ASVs in the river habitat with their closest 5 relatives in NCBI GenBank database showing the source of them.

ASVs	Query	Percentage of	Accession	Source
	Cover	Identity		
ASV_1	100%	100%	MG278022.1	Leaf, root, soil
3				
	100%	100%	KF494650.1	Permafrost soil
	100%	100%	JX257578.1	Periphyton
	100%	100%	HF543906.1	Biofilm of stone
	100%	100%	JN232912.1	Reclaimed wastewater
ASV_5	100%	100%	KC683173.1	Periphyton
	100%	100%	KC683164.1	Periphyton
	100%	100%	JN868993.1	Lake Taihu
	100%	100%	FQ660363.1	PAH-contaminated soil
	100%	100%	HQ602857.1	Culture inoculated with sediment