

Supplementary Table S1

Table S1. Blast hits using metagenomics database.

Database: Proteins from WGS metagenomic projects (env_nr).			
	Organism	Score	Number of hits
LPU83a_0145	Ecological metagenomes		10
	● Subsurface metagenome	178	13
	● Marine sediment metagenome	164	1
	● Anaerobic digester metagenome	154	1
	● Marine metagenome	139	1
	● Bioreactor metagenome	102	1
	● Mine drainage metagenome	75,5	3
	● Compost metagenome	55,5	2
	Viral metagenome	149	1
Human gut metagenome	121	2	
LPU83a_0146(RcgR)	Ecological metagenomes		19
	● Marine sediment metagenome	350	3
	● Marine metagenome	166	4
	● Mine drainage metagenome	138	1
	● Subsurface metagenome	83,2	3
	● Freshwater metagenome	53,1	7
	● Hydrocarbon metagenome	50,8	1
LPU83a_0148(RcgA)	Ecological metagenomes		4
	● Marine sediment metagenome	483	3
	● Mine drainage metagenome	249	1