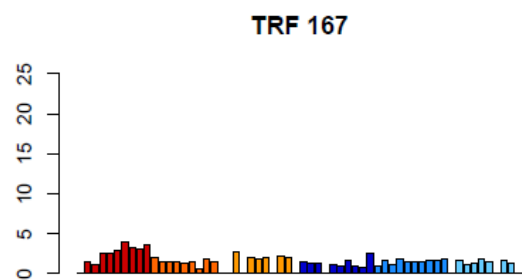
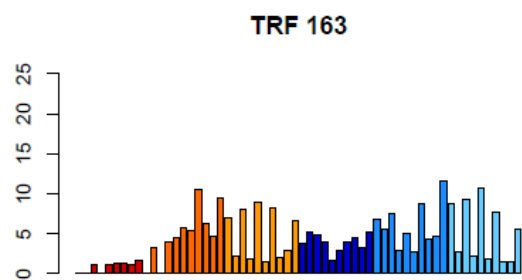
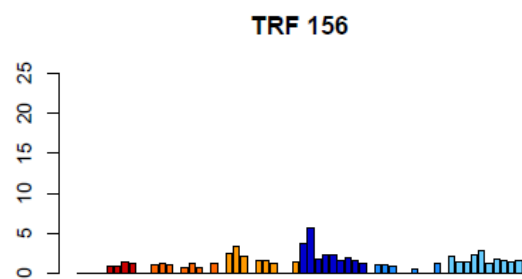
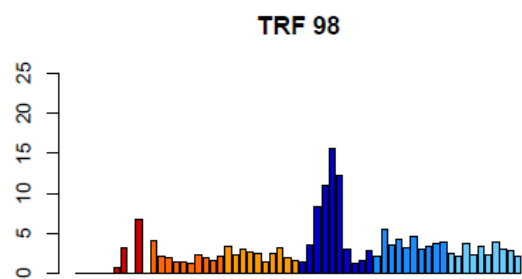
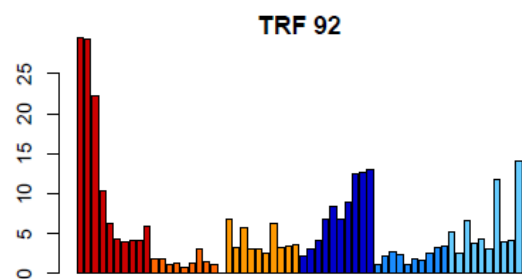
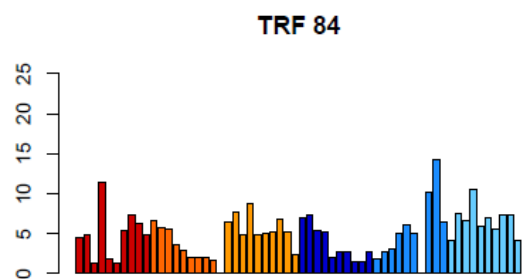


Supplemental information



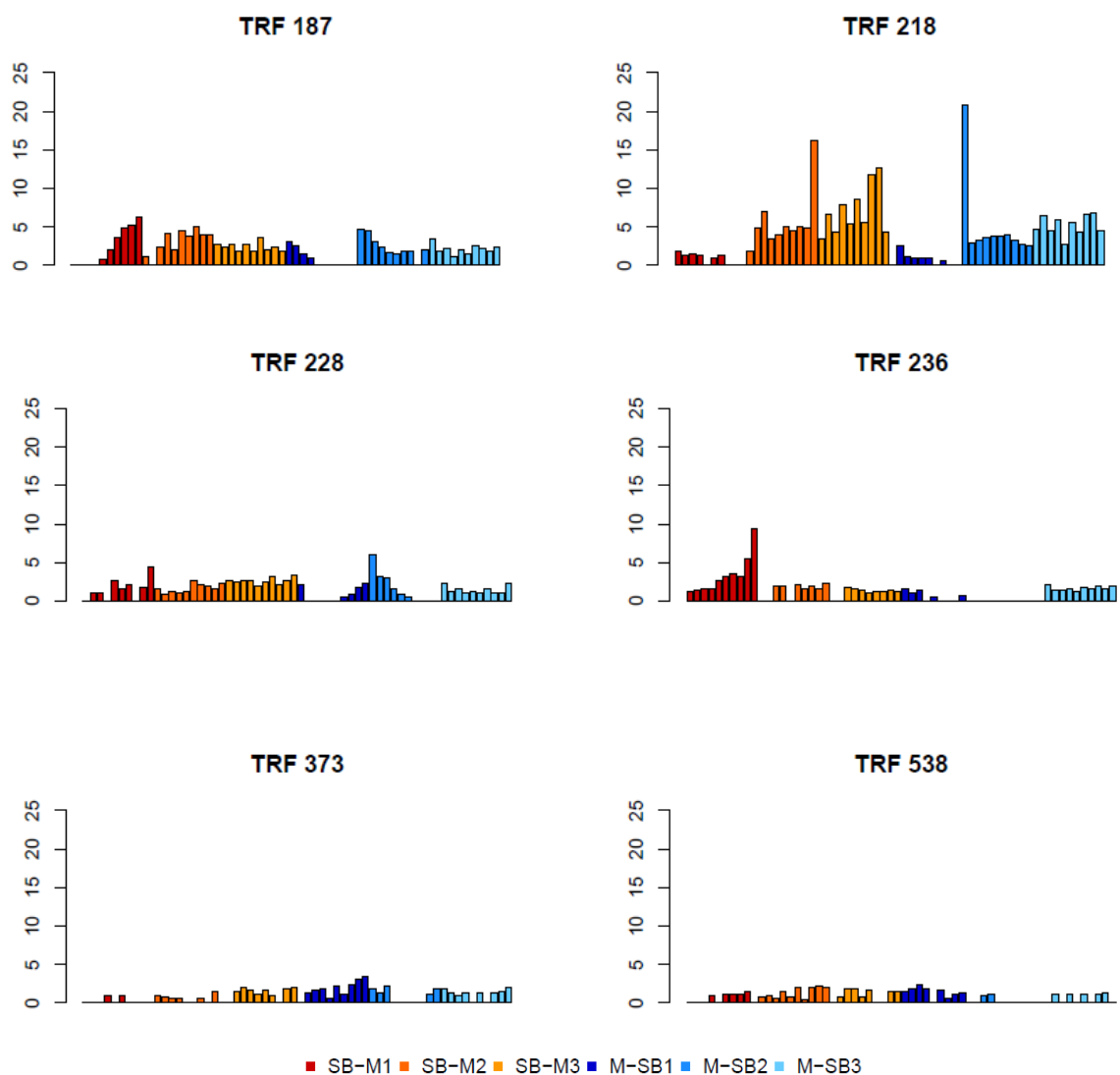
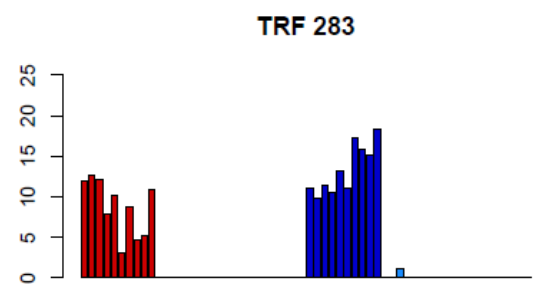
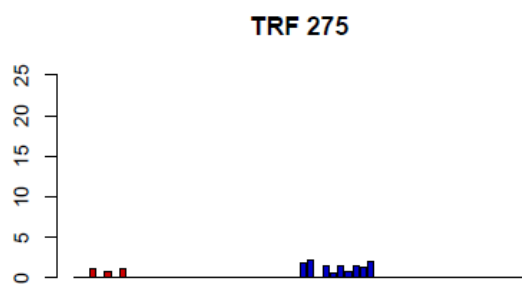
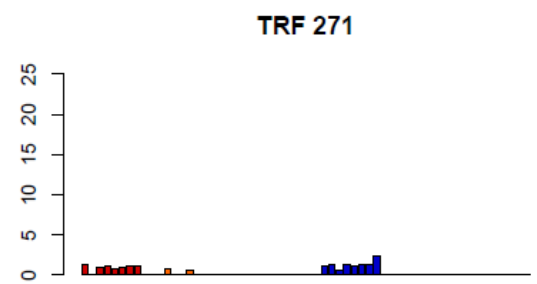
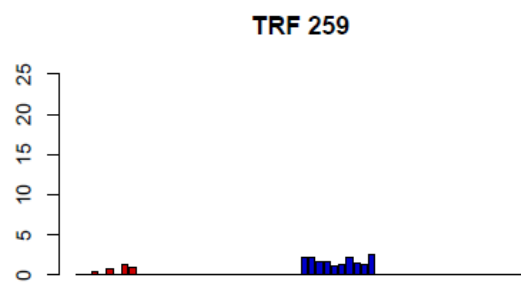
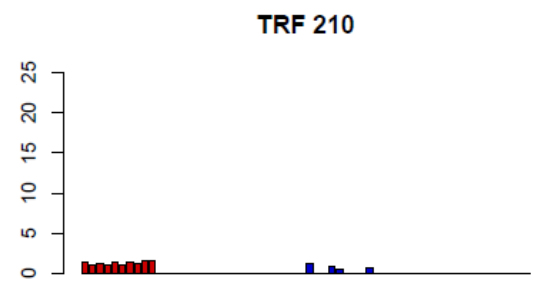
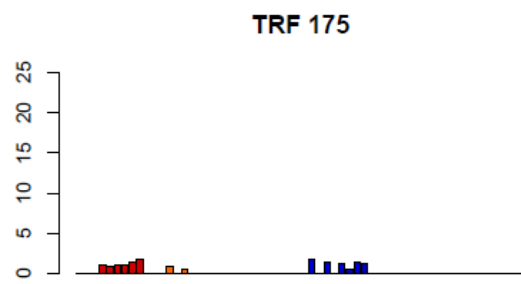
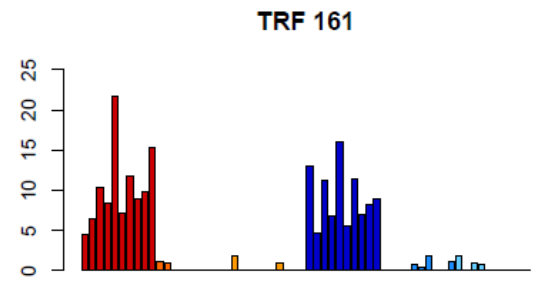
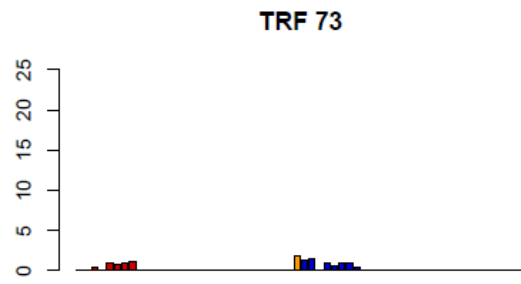


Figure S1. Relative abundance of the twelve terminal restriction fragments (TRFs) found in all six reactors at least at more than one time point.



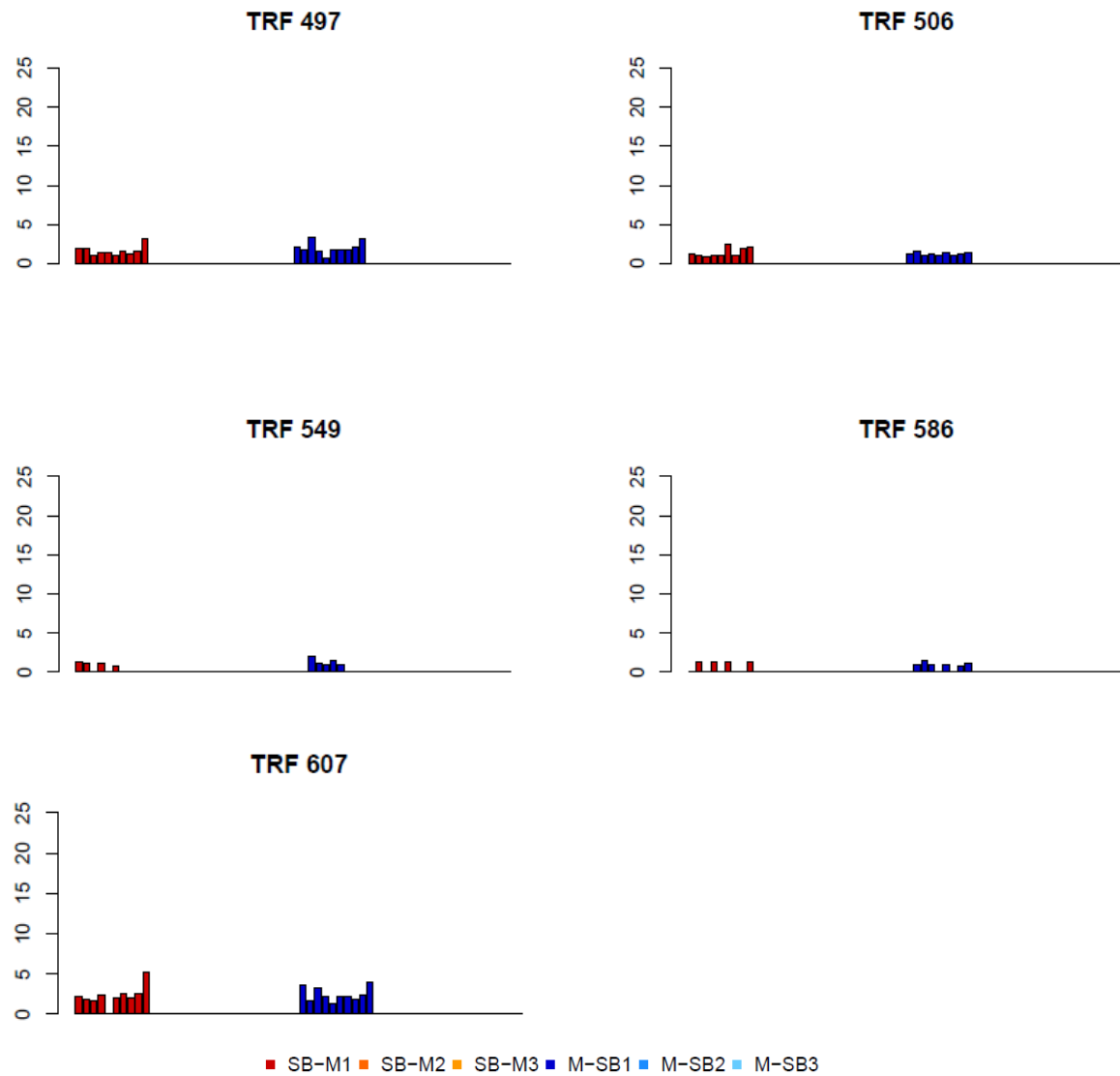


Figure S2. Relative abundance of the 13 terminal restriction fragments (TRFs) found mainly in the reactors with low TAN concentration.

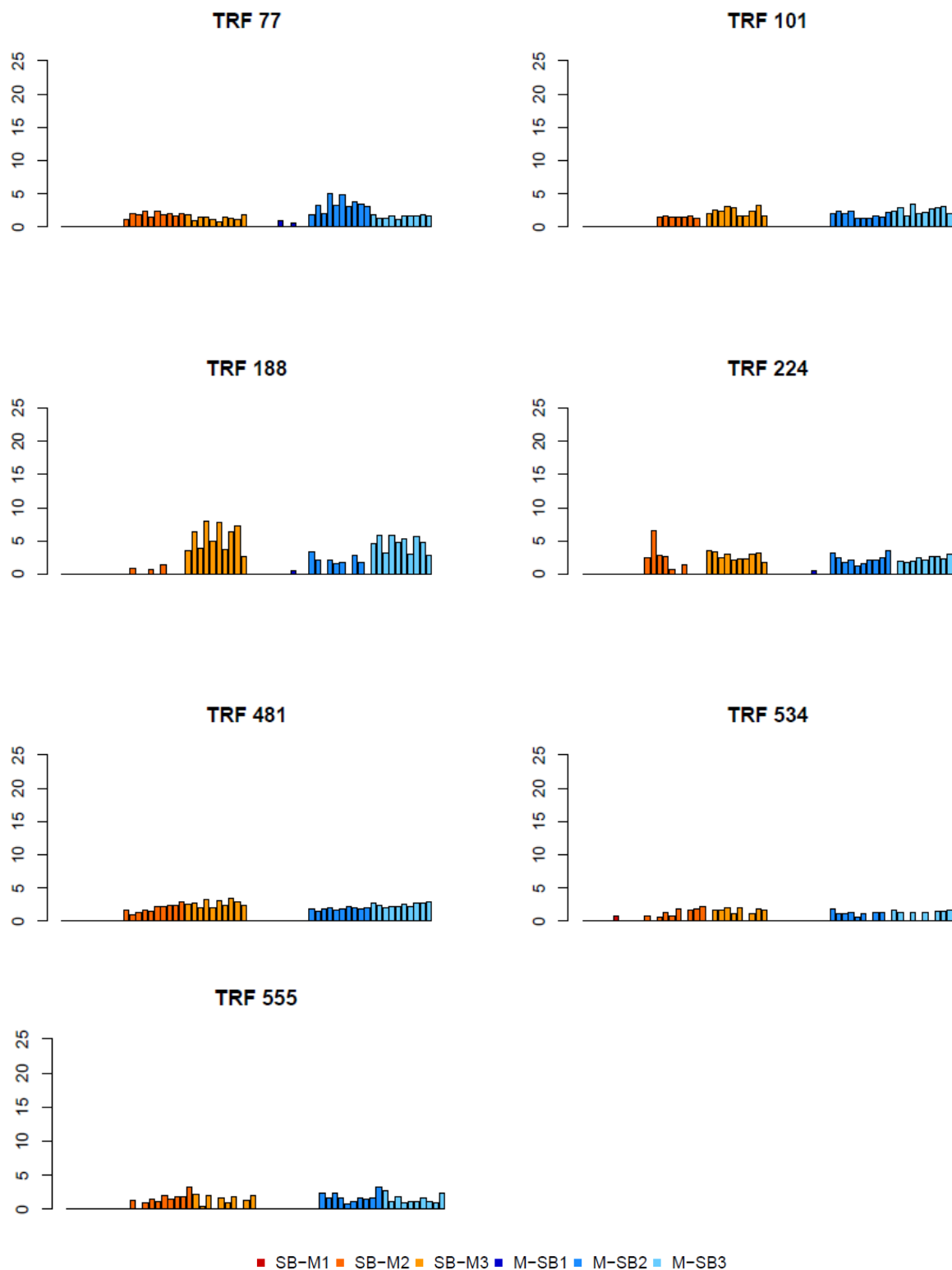


Figure S3. Relative abundance of the seven terminal restriction fragments (TRFs) found mainly in the reactors with high TAN concentration.

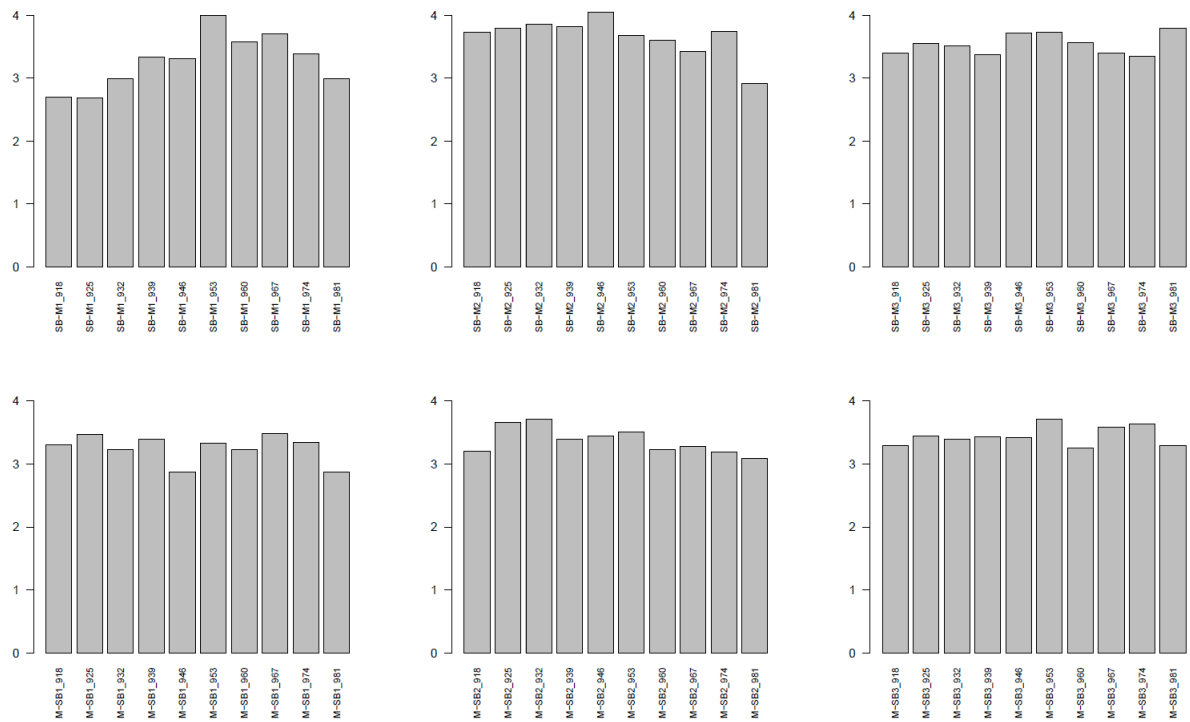


Figure S4. Shannon diversity indices for the recorded microbial communities within the six analysed reactors over the experimental phase.

Table S1. Indicator species analysis (ISA) in order to identify significant terminal restriction fragments (TRFs) for specific environmental conditions comparing the microbial community of all six reactors while grouping them into two groups: reactors with low and reactors with high total ammonium nitrogen (TAN) concentrations. The significance of each recorded TRF is provided by the calculated indicator value (IndVal) and a corresponding *p* value.

ISA for Reactors with Low TAN			ISA for Reactors with High TAN		
TRF	IndVal	<i>p</i> value	TRF	IndVal	<i>p</i> value
497	1.000	0.001	481	1.000	0.001
283	0.997	0.001	77	0.991	0.001
607	0.975	0.001	150	0.987	0.001
161	0.969	0.001	218	0.968	0.001
506	0.949	0.001	101	0.962	0.001
271	0.835	0.001	555	0.962	0.001
175	0.741	0.001	224	0.933	0.001
73	0.717	0.001	534	0.873	0.001
586	0.707	0.002			
230	0.688	0.002			
549	0.671	0.001			
96	0.500	0.042			

