

Sequence A	Sequence B	Alphabet size	(Average) length	Our algorithm (sec)	Ukkonen's algorithm (sec)	Basic algorithm (sec)	(Average) edit distance
Random 16S rRNA sequence	Random 16S rRNA sequence	4	1350	0.679	0.811	2.554	421.3
Hyphomonas 16S rRNA (AF082798)	Hyphomonas 16S rRNA (AF082795)	4	1330	0.25	0.18	2.14	46
Alphaproteobacteria 16S rRNA (AJ238567)	Betaproteobacteria 16S rRNA (AJ239278)	4	1320	0.42	0.46	2.07	318
Cucumber necrosis virus genome	Lisianthus necrosis virus genome	4	4790	6.70	6.32	28.27	1154
Human poliovirus 1 virion protein	Human Rhinovirus A virion protein	20	870	1.02	1.05	0.88	472