

Synechocystis sp. 6803

M. aeruginosa NIES-843

S. elongatus PCC6301

T. elongatus BP-1

Extract intergenic regions (IGRs) longer than 50nt

2268 IGRs – 442786 nt

4602 IGRs – 1054691 nt

1506 IGRs – 308160 nt

1212 IGRs – 246971 nt

BlastN (E-Value: $1e^{-5}$, wordsize: 11nt, gap open: 2, gap extend: 2, match: 2, mismatch: -2)

No. Hits	Ma	Se	Te
Sy	818	65	73
Ma	-	154	370
Se	-	-	55

Single-Linkage clustering

Merge overlapping sequences

443 clusters

Multiple alignment (Clustal W)

Scoring (RNAz)

“High-Scoring” = $P > 0.5$ or $Z < -2.0$

Output

