Simultaneous Alignment and Structure Prediction of RNAs

Are Three Input Sequences Better than Two?*

Beeta Masoumi and Marcel Turcotte

School of Information Technology and Engineering
University of Ottawa
Ottawa, Ontario, Canada
`{bmasoumi,turcotte}@site.uottawa.ca`

A Web Appendix: Supplementary Material

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Table 1. tRNA dataset.

Id	Length	Description
RD0260	77	Asp Phage T5 (Virus)
RD0500	76	Asp *Haloferax volcanii* (Archae)
RD4800	71	Asp *Aedes albopictus* (Mitochondria, Animal)
RE2140	76	Glu *Synechocystis sp.* (Eubacteria)
RE6781	76	Glu *Hordeum vulgare* (Chloroplast)
RF6320	76	Phe *Schizosaccharomyces pombe* (Cytoplasm, Fungi)
RL0503	88	Leu *Haloferax volcanii* (Archae)
RL1141	89	Leu *Mycoplasma capricolum* (Eubacteria)
RS0380	88	Ser *Halobacterium cutirubrum* (Archae)
RS1141	92	Ser *Mycoplasma capricolum* (Eubacteria)

Table 2. 5S rRNA dataset.

Id	Length	Description
AJ131594	117	*Delftia acidovorans*
AJ251080	117	*Geobacillus stearothermophilus*
K02682	120	*Micrococcus luteus*
M10816	119	*Geobacillus stearothermophilus*
M16532	121	*Thermus sp.*
M25591	117	*Geobacillus stearothermophilus*
V00336	120	*Escherichia coli*
X02024	119	*Sporosarcina pasteurii*
X02627	120	*Agrobacterium tumefaciens*
X04585	119	*Rhodobacter capsulatus*
X08000	122	*Arthrobacter oxydans*
X08002	122	*Arthrobacter globiformis*

Table 3. Sensitivity for the tRNA dataset.

Id	N_{xd}	N_{d}	Min_{xd}	Min_{d}	Max_{xd}	Max_{d}	Ave_{xd}	Ave_{d}
RD0260	4	5	95	57	100	100	98.8	90.5
RD0500	4	5	76	47	95	95	81.0	80.0
RD4800	5	5	95	57	100	100	99.0	91.4
RE2140	2	4	100	95	100	100	100.0	98.8
RE6781	2	4	100	81	100	100	100.0	95.2
RF6320	4	5	95	47	100	100	96.4	89.5
RL0503	1	2	95	95	95	95	95.8	95.8
RL1141	2	3	92	68	92	92	92.0	84.0
RS0380	1	2	92	80	92	80	92.0	80.0
RS1141	2	3	88	65	88	92	88.5	82.1