

References

- [1] Pankaj K. Agarwal, Yonatan Bilu, and Rachel Kolodny. Faster algorithms for optimal multiple sequence alignment based on pairwise comparisons. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 315–327. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [2] Markus Bauer, Gunnar W. Klau, and Knut Reinert. Multiple structural rna alignment with lagrangian relaxation. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 303–314. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [3] Sèverine Bérard, Anne Bergeron, Cedric Chauve, and Christophe Paul. Perfect sorting by reversals is not always difficult. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 228–238. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [4] Robert S. Boyer, Jr. Hunt, Warren A., and Serita Nelesen. A compressed format for collections of phylogenetic trees and improved consensus performance. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 353–364. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [5] Laurent Bréhhélin. Clustering gene expression series with prior knowledge. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 27–38. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [6] Chris Christiansen, Thomas Mailund, Christian N.S. Pedersen, and Martin Randers. Computing the quartet distance between trees of

arbitrary degree. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 77–88. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [7] Rudi Cilibrasi, Leo van Iersel, Steven Kelk, and John Tromp. On the complexity of several haplotyping problems. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 128–139. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [8] Daniel Dalevi and Devdatt Dubhashi. The peres-shields order estimator for fixed and variable length markov models with applications to dna sequence similarity. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 291–302. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [9] Isaac Elias and Tzvika Hartman. A 1.375-approximation algorithm for sorting by transpositions. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 204–215. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [10] Eran Eyal and Dan Halperin. Improved maintenance of molecular surfaces using dynamic graph connectivity. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 401–413. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [11] Ganeshkumar Ganapathy, Barbara Goodson, Robert Jansen, Vijaya Ramachandran, and Tandy Warnow. Pattern identification in biogeography. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005*

(Mallorca, Spain, October 3-6, 2005), volume 3692 of *LNCS/LNBI*, pages 116–127. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [12] Alexander Kister. The main structural regularities of the sandwich proteins. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 414–422. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [13] Gregory Kucherov, Laurent Noé, and Mikhail Roytberg. A unifying framework for seed sensitivity and its application to subset seeds. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 251–263. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [14] Anthony Labarre. A new tight upper bound on the transposition distance. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 216–227. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [15] Vincent Lacroix, Cristina G. Fernandes, and Marie-France Sagot. Reaction motifs in metabolic networks. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 178–191. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [16] Keren Lasker, Oranit Dror, Ruth Nussinov, and Haim Wolfson. Discovery of protein substructures in em maps. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 423–434. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [17] Andrew Leaver-Fay, Brian Kuhlman, and Jack Snoeyink. Rotamer-pair energy calculations using a trie data structure. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on*

Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005), volume 3692 of *LNCS/LNBI*, pages 389–400. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [18] Henry C.M. Leung and Francis Y.L. Chin. Generalized planted (l, d) -motif problem with negative set. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 264–275. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [19] B. Rune Lyngsø, Yun S. Song, and Jotun Hein. Minimum recombination histories by branch and bound. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 239–250. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [20] Sara C. Madeira and Arlindo L. Oliveira. A linear time biclustering algorithm for time series gene expression data. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 39–52. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [21] Shlomo Moran, Satish Rao, and Sagi Snir. Using semi-definite programming to enhance supertree resolvability. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 89–103. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [22] Z.S. Peng and H.F. Ting. An efficient reduction from constrained to unconstrained maximum agreement subtree. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 104–115. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [23] Pasi Rastas, Mikko Koivisto, Heikki Mannila, and Esko Ukkonen. A hidden markov technique for haplotype reconstruction. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 140–151. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [24] Baharak Rastegari and Anne Condon. Linear time algorithm for parsing rna secondary structure. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 341–352. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [25] Michael Sammeth, Thomas Weniger, Dag Harmsen, and Jens Stoye. Alignment of tandem repeats with excision, duplication, substitution and indels (eds). In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 276–290. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [26] Yinglei Song, Chunmei Liu, Xiuzhen Huang, Russell L. Malmberg, Ying Xu, and Liming Cai. Efficient parameterized algorithm for biopolymer structure-sequence alignment. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 376–388. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [27] Yun S. Song, Yufeng Wu, and Dan Gusfield. Algorithms for imperfect phylogeny haplotyping (ipph) with a single homoplasy or recombination event. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 152–164. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [28] Nora Speer, Christian Spieth, and Andreas Zell. Spectral clustering gene ontology terms to group genes by function. In Rita Casadio and

- Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 1–12. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [29] Warwick Tucker and Vincent Moulton. Reconstructing metabolic networks using interval analysis. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 192–203. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
 - [30] Tamir Tuller, Efrat Oron, Erez Makavy, Daniel A. Chamovitz, and Benny Chor. Time-window analysis of developmental gene expression data with multiple genetic backgrounds. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 53–64. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
 - [31] Akshay Vashist, Casimir Kulikowski, and Ilya Muchnik. Ortholog clustering on a multipartite graph. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 328–340. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
 - [32] P. Veber, N. Yanev, R. Andonov, and V. Poirriez. Optimal protein threading by cost-splitting. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 365–375. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
 - [33] Sebastian Wernicke. A faster algorithm for detecting network motifs. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 165–177. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [34] Gang Wu, Jia-Huai You, and Guohui Lin. A lookahead branch-and-bound algorithm for the maximum quartet consistency problem. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 65–76. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [35] Chaya Ben-Zaken Zilberstein and Michal Ziv-Ukelson. Dynamic de-novo prediction of micrornas associated with cell conditions: A search pruned by expression. In Rita Casadio and Gene Myers, editors, *Proceedings of the 5th International Workshop on Algorithms in Bioinformatics, WABI'2005 (Mallorca, Spain, October 3-6, 2005)*, volume 3692 of *LNCS/LNBI*, pages 13–26. Springer-Verlag, Berlin-Heidelberg-New York, 2005.