References

[1] Jérémy Barbay, Johannes Fischer, and Gonzalo Navarro. Lrm-trees: Compressed indices, adaptive sorting, and compressed permutations. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 285–298. Springer-Verlag, Berlin-Heidelberg, 2011.

[2] Markus J. Bauer, Anthony J. Cox, and Giovanna Rosone. Lightweight bwt construction for very large string collections. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 219–231. Springer-Verlag, Berlin-Heidelberg, 2011.

[3] Philip Bille and Inge Li Gørtz. Substring range reporting. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 299–308. Springer-Verlag, Berlin-Heidelberg, 2011.

[4] Dany Breslauer and Zvi Galil. Real-time streaming string-matching. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 162–172. Springer-Verlag, Berlin-Heidelberg, 2011.

[5] Dany Breslauer, Roberto Grossi, and Filippo Mignosi. Simple real-time constant-space string matching. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 173–183. Springer-Verlag, Berlin-Heidelberg, 2011.

[6] Daniel G. Brown and Jakub Truszkowski. Fast error-tolerant quartet phylogeny algorithms. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial

Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011), volume 6661 of *LNCS*, pages 147–161. Springer-Verlag, Berlin-Heidelberg, 2011.

[7] Laurent Bulteau, Guillaume Fertin, Minghui Jiang, and Irena Rusu. Tractability and approximability of maximal strip recovery. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 336–349. Springer-Verlag, Berlin-Heidelberg, 2011.

[8] Domenico Cantone, Salvatore Cristofaro, and Simone Faro. Efficient matching of biological sequences allowing for non-overlapping inversions. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 364–375. Springer-Verlag, Berlin-Heidelberg, 2011.

[9] Cedric Chauve, Ján Maňuch, Murray Patterson, and Roland Wittler. Tractability results for the consecutive-ones property with multiplicity. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 90–103. Springer-Verlag, Berlin-Heidelberg, 2011.

[10] Michalis Christou, Maxime Crochemore, Costas S. Iliopoulos, Marcin Kubica, Solon P. Pissis, Jakub Radoszewski, Wojciech Rytter, Bartosz Szreder, and Tomasz Waleń. Efficient seeds computation revisited. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 350–363. Springer-Verlag, Berlin-Heidelberg, 2011.

[11] Raphaël Clifford, Zvi Gotthilf, Moshe Lewenstein, and Alexandru Popa. Restricted common superstring and restricted common supersequence. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 467–478. Springer-Verlag, Berlin-Heidelberg, 2011.

[12] Raphaël Clifford, Markus Jalsenius, Ely Porat, and Benjamin Sach. Space lower bounds for online pattern matching. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 184–196. Springer-Verlag, Berlin-Heidelberg, 2011.

[13] Nello Cristianini. Automatic discovery of patterns in media content. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 2–13. Springer-Verlag, Berlin-Heidelberg, 2011.

[14] Marek Cygan, Marcin Kubica, Jakub Radoszewski, Wojciech Rytter, and Tomasz Waleń. Polynomial-time approximation algorithms for weighted lcs problem. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 455–466. Springer-Verlag, Berlin-Heidelberg, 2011.

[15] David E. Daykin, Jacqueline W. Daykin, and W.F. Smyth. String comparison and lyndon-like factorization using v-order in linear time. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 65–76. Springer-Verlag, Berlin-Heidelberg, 2011.

[16] Antoine Deza, Frantisek Franek, and Mei Jiang. A d-step approach for distinct squares in strings. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 77–89. Springer-Verlag, Berlin-Heidelberg, 2011.

[17] Riccardo Dondi, Guillaume Fertin, and Stéphane Vialette. Finding approximate and constrained motifs in graphs. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June*

27-29, 2011), volume 6661 of *LNCS*, pages 388–401. Springer-Verlag, Berlin-Heidelberg, 2011.

[18] Michael Elberfeld, Danny Segev, Colin R. Davidson, Dana Silverbush, and Roded Sharan. Approximation algorithms for orienting mixed graphs. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 416–428. Springer-Verlag, Berlin-Heidelberg, 2011.

[19] Paolo Ferragina. On the weak prefix-search problem. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 261–272. Springer-Verlag, Berlin-Heidelberg, 2011.

[20] Travis Gagie and Juha Kärkkäinen. Counting colours in compressed strings. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 197–207. Springer-Verlag, Berlin-Heidelberg, 2011.

[21] Isaac Goldstein and Moshe Lewenstein. Quick greedy computation for minimum common string partitions. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 273–284. Springer-Verlag, Berlin-Heidelberg, 2011.

[22] Stéphane Gosselin, Guillaume Damiand, and Christine Solnon. Frequent submap discovery. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 429–440. Springer-Verlag, Berlin-Heidelberg, 2011.

[23] Michel Habib and Juraj Stacho. Unique perfect phylogeny is *np*-hard. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 132–146. Springer-Verlag, Berlin-Heidelberg, 2011.

[24] Kouichi Hirata, Yoshiyuki Yamamoto, and Tetsuji Kuboyama. Improved max snp-hard results for finding an edit distance between unordered trees. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 402–415. Springer-Verlag, Berlin-Heidelberg, 2011.

[25] Tomohiro I, Shunsuke Inenaga, and Masayuki Takeda. Palindrome pattern matching. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 232–245. Springer-Verlag, Berlin-Heidelberg, 2011.

[26] Haitao Jiang, Farong Zhong, and Binhai Zhu. Filling scaffolds with gene repetitions: Maximizing the number of adjacencies. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 55–64. Springer-Verlag, Berlin-Heidelberg, 2011.

[27] Sebastian Kreft and Gonzalo Navarro. Self-indexing based on lz77. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 41–54. Springer-Verlag, Berlin-Heidelberg, 2011.

[28] Gad M. Landau. Algorithms on grammar-compressed strings. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 1–1. Springer-Verlag, Berlin-Heidelberg, 2011.

[29] Jesper Nielsen. A coarse-to-fine approach to computing the k-best viterbi paths. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 376–387. Springer-Verlag, Berlin-Heidelberg, 2011.

[30] Enno Ohlebusch and Simon Gog. Lempel-ziv factorization revisited. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings*

of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011), volume 6661 of *LNCS*, pages 15–26. Springer-Verlag, Berlin-Heidelberg, 2011.

[31] Wolfgang Otto, Peter F. Stadler, and Sonja J. Prohaska. Phylogenetic footprinting and consistent sets of local aligments. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 118–131. Springer-Verlag, Berlin-Heidelberg, 2011.

[32] Tamar Pinhas, Dekel Tsur, Shay Zakov, and Michal Ziv-Ukelson. Edit distance with duplications and contractions revisited. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 441–454. Springer-Verlag, Berlin-Heidelberg, 2011.

[33] Yassin Refahi, Etienne Farcot, Yann Guédon, Fabrice Besnard, Teva Vernoux, and Christophe Godin. A combinatorial model of phyllotaxis perturbations in arabidopsis thaliana. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 323–335. Springer-Verlag, Berlin-Heidelberg, 2011.

[34] Stefanie Schirmer and Robert Giegerich. Forest alignment with affine gaps and anchors. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 104–117. Springer-Verlag, Berlin-Heidelberg, 2011.

[35] Chris Thachuk. Succincter text indexing with wildcards. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 27–40. Springer-Verlag, Berlin-Heidelberg, 2011.

[36] German Tischler. On wavelet tree construction. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Sympo-*

sium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011), volume 6661 of *LNCS*, pages 208–218. Springer-Verlag, Berlin-Heidelberg, 2011.

[37] Takashi Uemura and Hiroki Arimura. Sparse and truncated suffix trees on variable-length codes. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 246–260. Springer-Verlag, Berlin-Heidelberg, 2011.

[38] Martin Vingron. Computational regulatory genomics. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 14–14. Springer-Verlag, Berlin-Heidelberg, 2011.

[39] Takanori Yamamoto, Hideo Bannai, Shunsuke Inenaga, and Masayuki Takeda. Faster subsequence and don't-care pattern matching on compressed texts. In Raffaele Giancarlo and Giovanni Manzini, editors, *Proceedings of the 22nd Annual Symposium on Combinatorial Pattern Matching, CPM'2011 (Palerno, Italy, June 27-29, 2011)*, volume 6661 of *LNCS*, pages 309–322. Springer-Verlag, Berlin-Heidelberg, 2011.