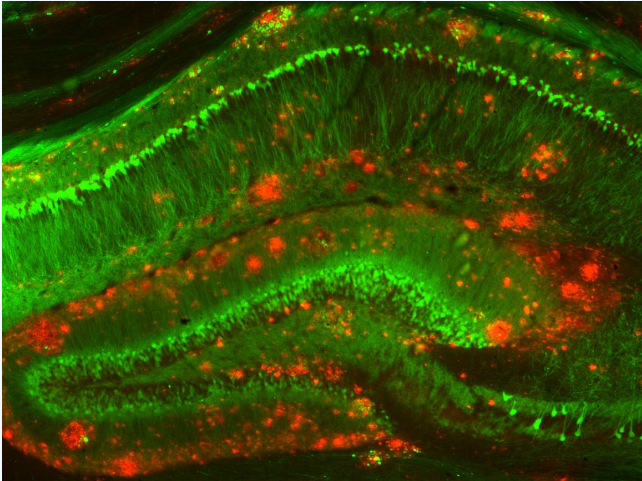


AMYLOGRAM 2.0: MBO IN THE PRE- DICTION OF AMYLOID PROTEINS

DOMINIK RAFACZ

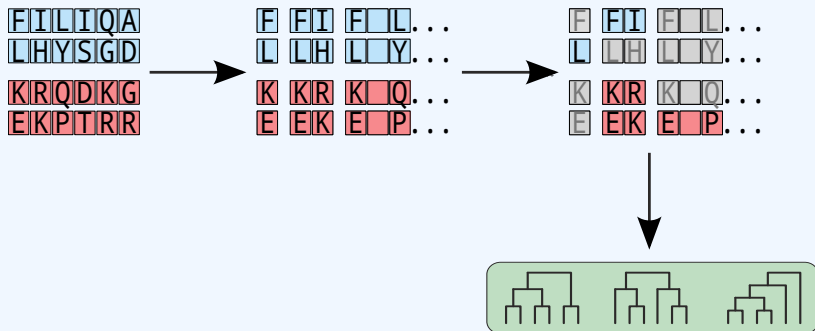
WARSAW UNIVERSITY OF TECHNOLOGY

AMYLOIDOGENIC PROTEINS



Amyloid aggregates (red) around neurons (green). Strittmatter Laboratory, Yale University.

AMYLOGRAM - N-GRAMS ANALYSIS



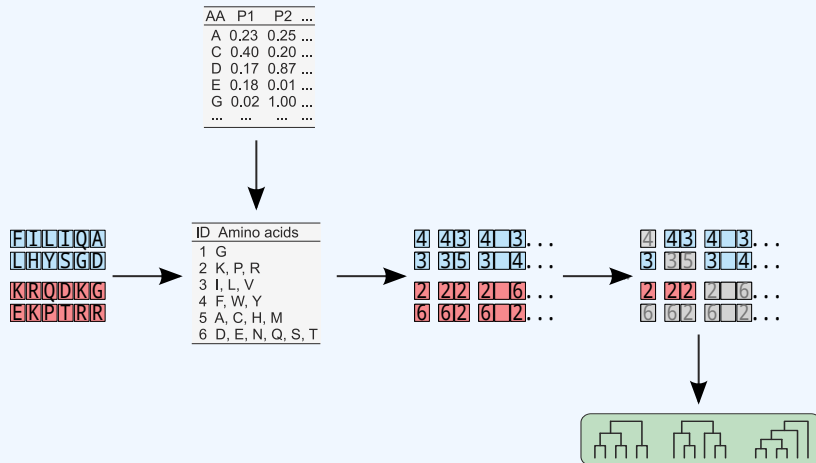
Example 1-grams: A, L, G

Example 2-grams: AL, MM, MY

Example 2-grams (with a gap): A-L, M-M, M-Y

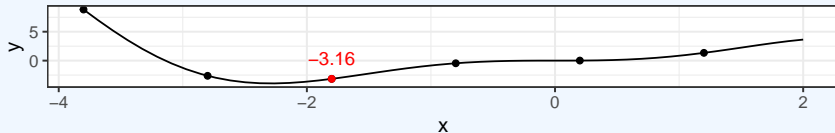
Burdukiewicz, M., Sobczyk, P., Rödiger, S., Duda-Madej, A., Mackiewicz, P., and Kotulska, M. (2017). Amyloidogenic motifs revealed by n-gram analysis. Scientific Reports 7, 12961

AMYLOGRAM - ALPHABET REDUCTION

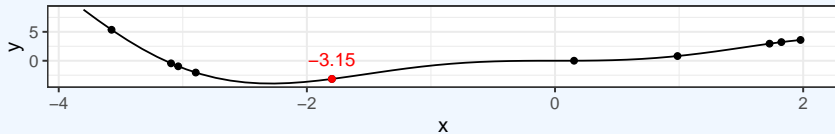


Burdukiewicz, M., Sobczyk, P., Rödiger, S., Duda-Madej, A., Mackiewicz, P., and Kotulska, M. (2017). Amyloidogenic motifs revealed by n-gram analysis. *Scientific Reports* 7, 12961

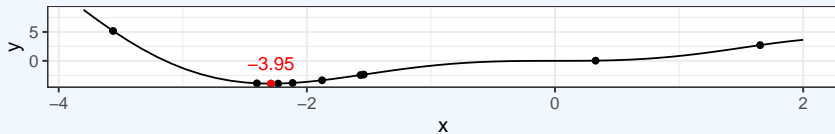
Grid search



Random search



MBO



ACKNOWLEDGEMENTS

REFERENCES