Article

N-Lipidated Amino Acids and Peptides Immobilized on Cellulose Able to Split Amide Bonds

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Figure S1. Measurement of Z-Leu-NA hydrolysis in a solution at pH = 8.5 using a library of synzymes: (a) sub-library of synzymes with serine residue at C-terminal positions, (b) sub-library of synzymes with glutamic acid residue at C-terminal positions, (c) sub-library of synzymes with histidine residue at C-terminal positions.
Figure S2. Measurement of Z-Leu-NA hydrolysis using the 9 most effective synzymes at pH 8.5 (third catalytic cycle).
**Figure S3.** Measurement of Z-Leu-NA hydrolysis in a solution at pH = 8.5 using a library of synzymes with Cu$^{2+}$ ions docked in the catalytic pocket: (a) sub-library of synzymes with serine residue at C-terminal positions, (b) sub-library of synzymes with glutamic acid residue at C-terminal positions, (c) sub-library of synzymes with histidine residue at C-terminal positions.

**Figure S4.** Measurement of Z-Leu-NA hydrolysis at pH 8.5 using the most effective synzymes with Cu$^{2+}$ docked in the active pocket (third catalytic cycle).
**Figure S5.** Measurement of Z-Leu-NA hydrolysis in a solution at pH = 8.5 using a library of synzymes with Zn$^{2+}$ ions docked in the catalytic pocket: (a) sub-library with serine residue at C-terminal positions, (b) sub-library with glutamic acid residue at C-terminal positions, (c) sub-library with histidine residue at C-terminal positions.

**Figure S6.** Measurement of Z-Leu-NA hydrolysis at pH 8.5 using the most effective synzymes with Zn$^{2+}$ ions docked in the active pocket (third catalytic cycle).