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ESI Fig. 1[†].

PMF spectra of lysozyme (A) and guanidinated lysozyme (B). Peptides appeared containing guanidinated lysine residues (denoted with K*), including K*VFGR, CELAAAMK*R and CK*GTDVQAWIR, but not corresponding peptides cleaved at K* in the PMF spectra of guanidinated lysozyme (B). The peptides with a lysine residue (K) as the N-terminal cleavage site, such as (K)GTDVQAWIR, (K)FESNFNTQATNR, and (K)IVSDGNGMNAWVAWR, appeared in the PMF of lysozyme (A) but disappeared after guanidination. The pair of peaks gave a good example: after guanidination, (K)GTDVQAWIR (A) was changed into CK*GTDVQAWIR (B) because of the discleavage at K*.

