In-house construction of a UHPLC system enabling the identification of over 4000 protein groups in a single analysis.

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Supporting Information

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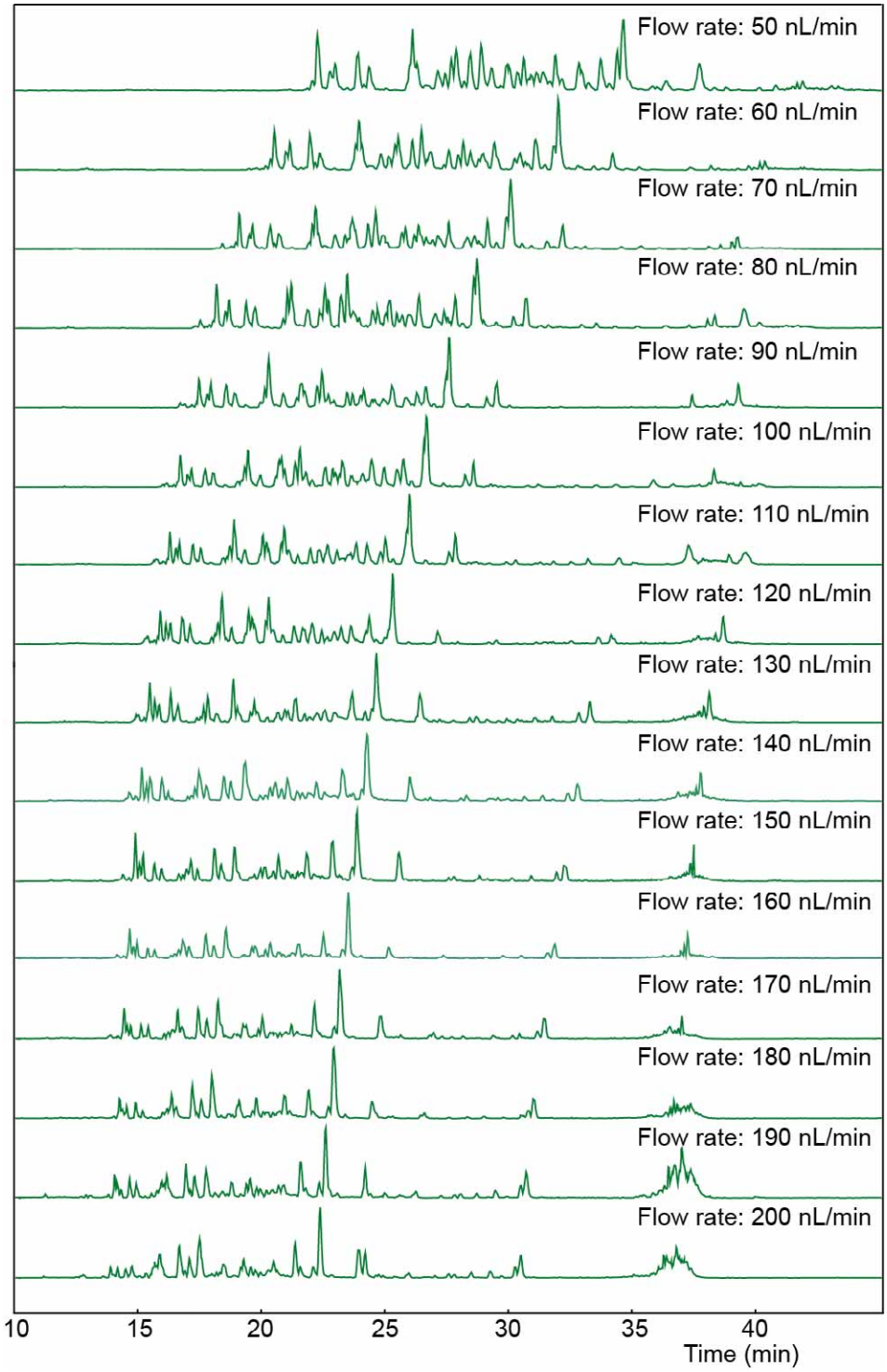

Figure S1 **Base peak chromatograms at all the flow rates tested**, from 50 to 200 nL/min. The first 10 minutes, which correspond to the loading of the sample, are not shown.

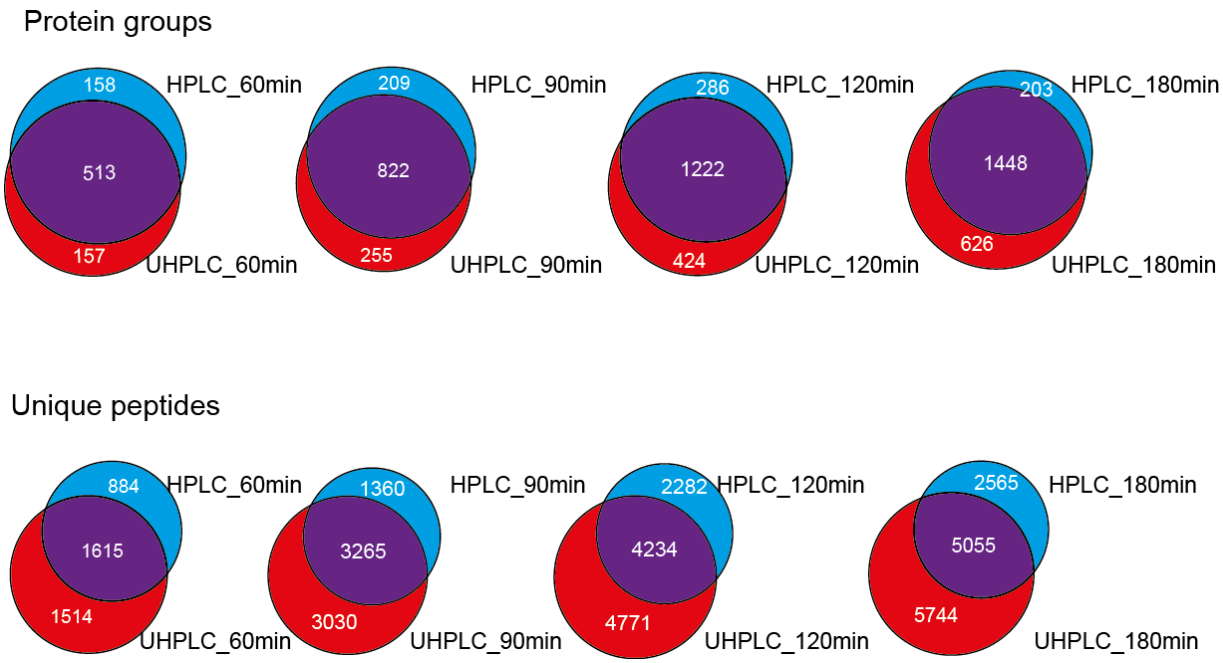

Figure S2 **Comparison between the performance of the HPLC and the UHPLC.** Venn diagrams displaying the overlap between the protein groups and peptides identified by the HPLC and UHPLC systems using the same digest from 60 to 180 minutes analysis times.

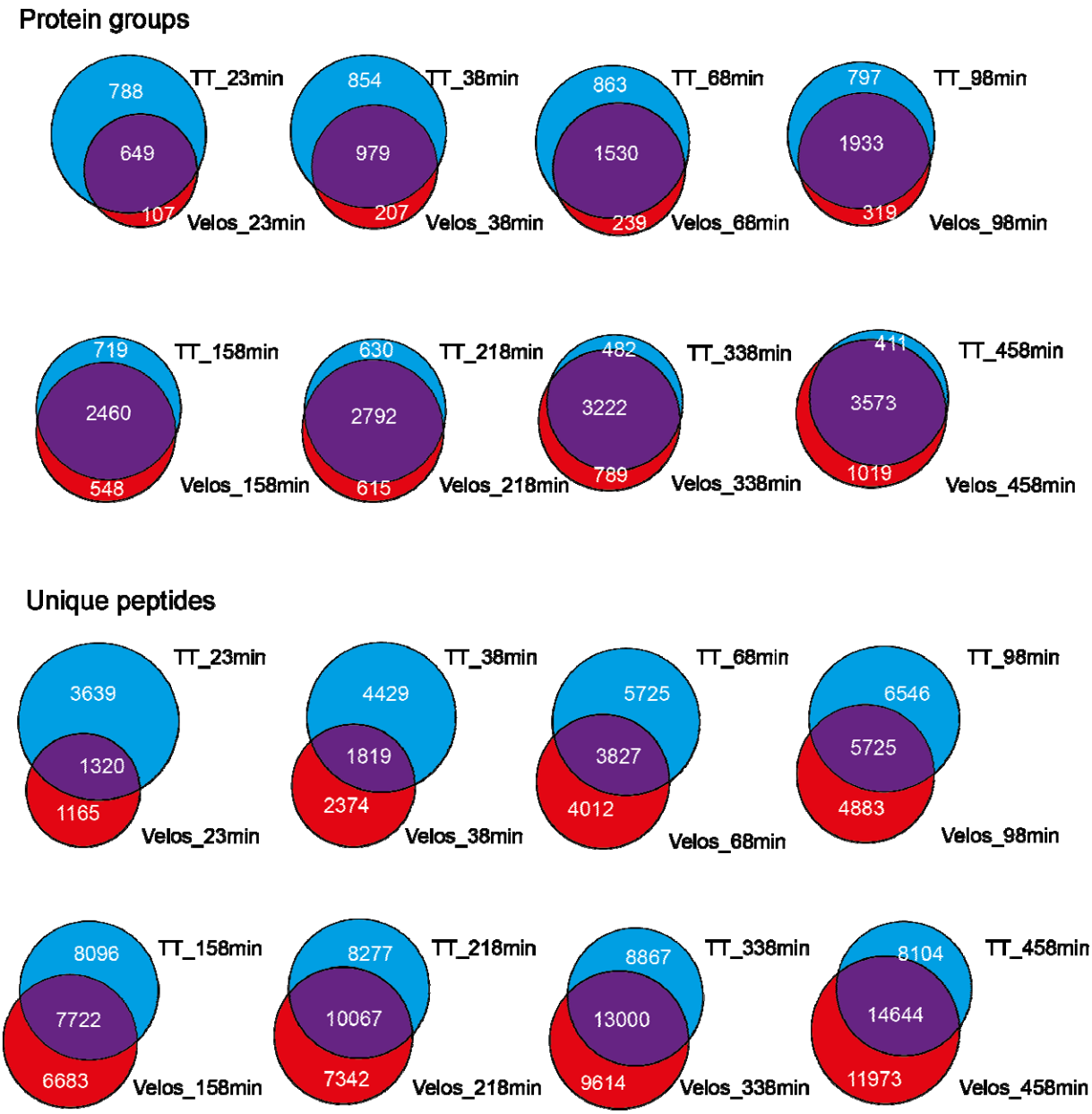

Figure S3 Comparison between the performance of the Orbitrap Velos and the TripleTOF. Venn diagrams displaying the overlap between the proteins groups and peptides identified by the UHPLC system coupled to the Orbitrap Velos and the TripleTOF for all the gradient times (from 23 to 458 minutes).