**A**

Venn diagram showing the overlap of different modifications (pS/T, pY, Ub) across various proteins.

**B**

Box plot illustrating the distribution of total protein length (AAs) based on the number of differing PTMs.

**C**

<table>
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<tr>
<th>Symbol</th>
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**Medium sized proteins with distinct modification number and patterns**

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**Small, multiply modified proteins**

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