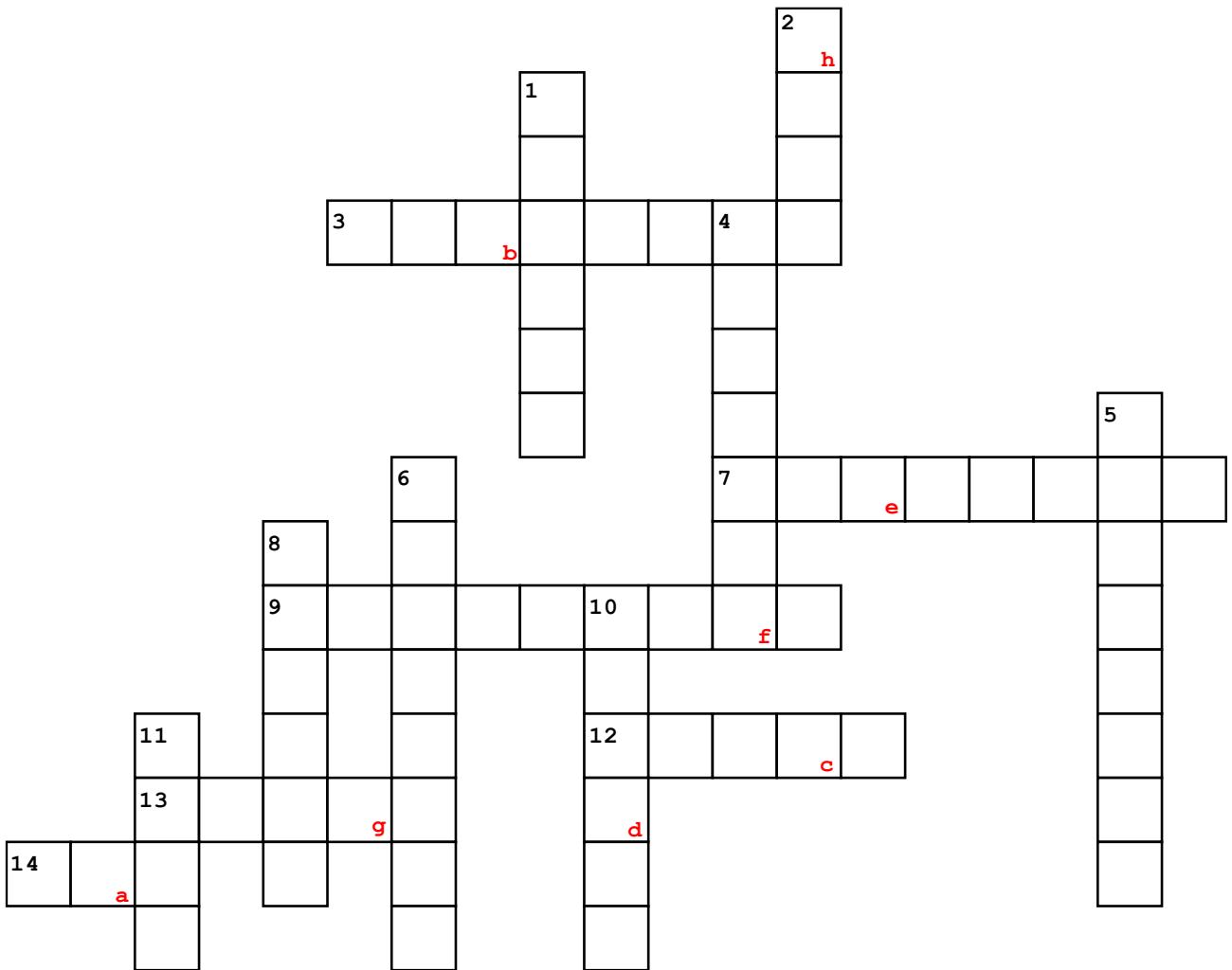


ProteoBench self-guided cross-worded tour (HUPO 2025)



ProteoBench

Across

- Which tool has the datapoint with the best performance in terms of quantification error for the DIA quantification module on diaPASEF data?
- If a user wants to submit a custom tsv, which PSI standard needs to be used to denote the precursor?
- The All-Ion-Fragmentation DIA benchmarking module was archived because of a problem with differential peptide _____ between the conditions
- What species is not present in the ground-truth samples used for the single cell precursor ion benchmark module, that is present in all other three-species benchmark modules present in ProteoBench?
- FragPipe uses _____ as a quantification engine, therefore the input format to submit FragPipe results to the DIA benchmarking modules has the same format as what other software tool?
- In the DDA Precursor Quantification module (QExactive), two clusters of MaxQuant points are evident. The difference between these two clusters is the enabling of _____ (acronym)

What appears when you successfully make a public ProteoBench submission?

Down

- Aided by the limited datapoints made public for this module, the module benchmarking DDA precursor ion quantification for Astral data is a prime showcase of how a higher number of quantified precursors will usually lead to a _____ quantification error.
- Referring to clue 1, a datapoint coming from the software tool _____ falls outside of this almost perfect correlation
- In April, GitHub user @MatthewThe proposed a module to benchmark the identification of _____ peptides in DDA
- Currently only available or the DDA Precursor quantification module on QExactive data, an additional report with quality control statistics for submitted workflow results can be generated with _____
- Which result file should be uploaded to submit a MaxQuant datapoint (ignore the extension) for the current LFQ benchmarking modules?
- Which workflow, named after a cute animal, is the only tool publicly benchmarked in the DDA peptidoform quantification module?
- AlphaDIA version 1._____.1 shows a clear benchmarking improvement over previous versions in the Astral DIA Quantification module (write number in full)
- Public submission of a QuantMS workflow result needs three parameter files to be uploaded to collect the required parametres. Two of these are required, whereas the third is optional. What metadata file is optional?

a	b	c	d	e	f	g	h
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