

## Report for PEP Section in mzTab File example\_2

The **PEP** section of the **mzTab** file contains 2,160 quantified peptide features measured in 2 samples.

	number of peptides
quantified	2,160
identified (total)	2,160
identified (unique modified)	2,021
identified (unique stripped)	1,926

Table 1: Total number of quantified and identified peptides.

mod	specificity	number
Carbamidomethyl	C	205

Table 2: Statistics of modifications.



Figure 1: Frequency plot of peptide quantifications.

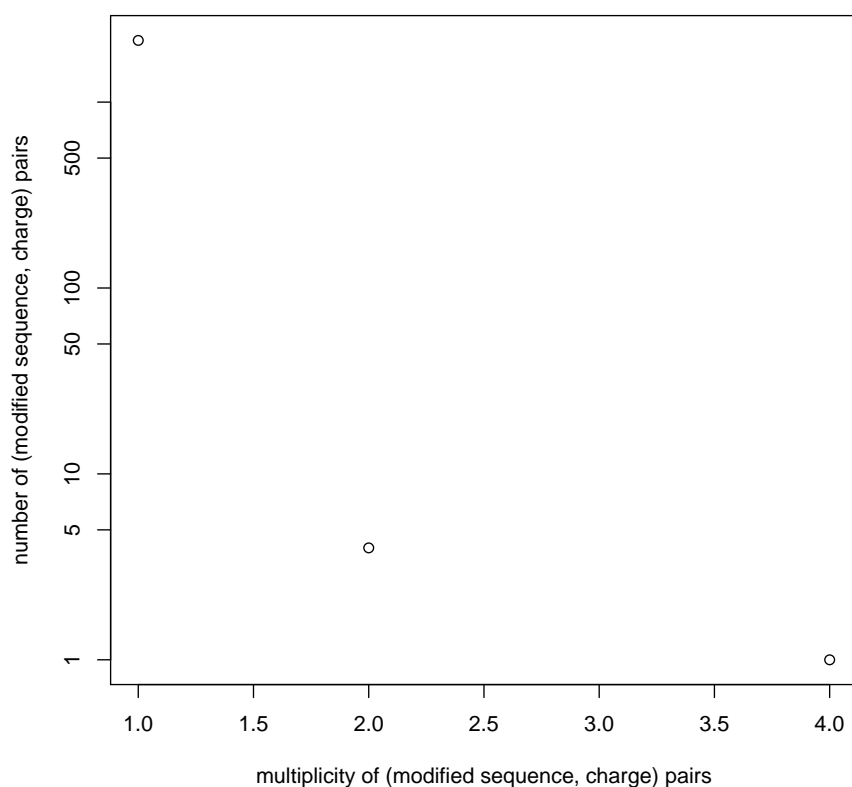
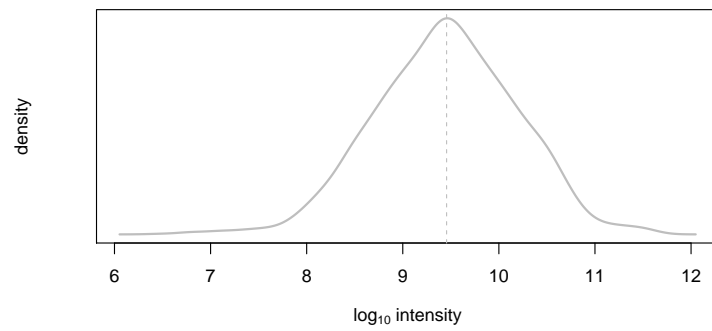
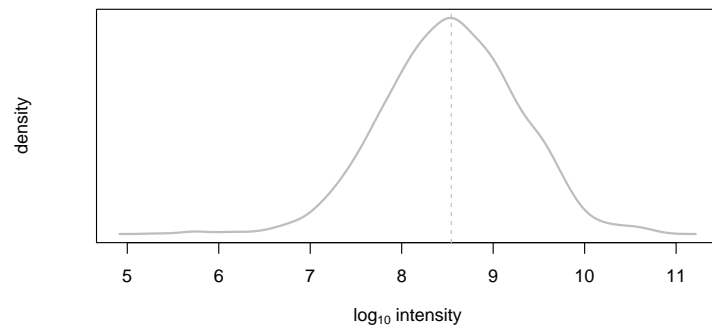


Figure 2: (modified sequence, charge) pair multiplicity vs frequency plot. Each peptide feature (characterised by a (possibly) modified peptide sequence and a charge state) should ideally occur only once in the analysis. In other words, peptides of multiplicity 1 should have a very high frequency. The plot below should show a significant spike on the left and can be used as QC of the analysis.



(a) peptide abundances 1,  $\text{median}(\text{intensity}) = 2,858,004,992$



(b) peptide abundances 2,  $\text{median}(\text{intensity}) = 348,081,008$

Figure 3: peptide abundance distributions.

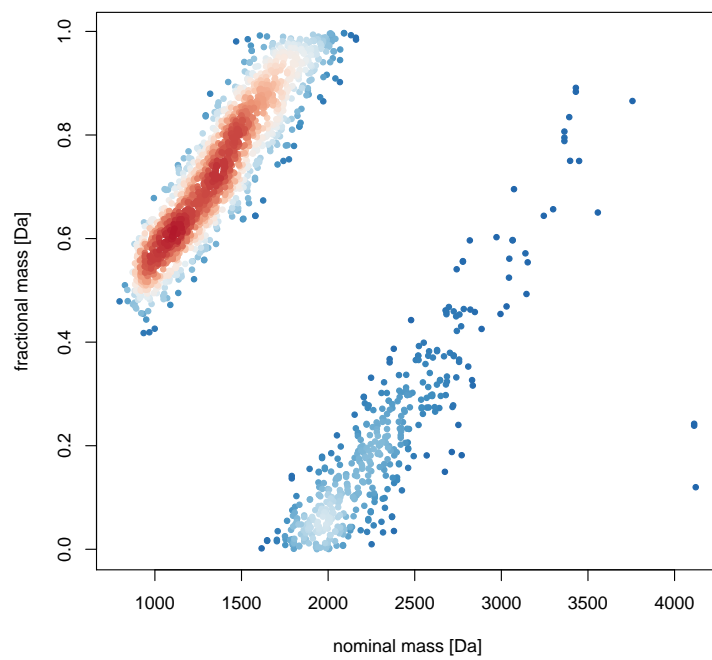


Figure 4: Kendrick nominal fractional mass plot

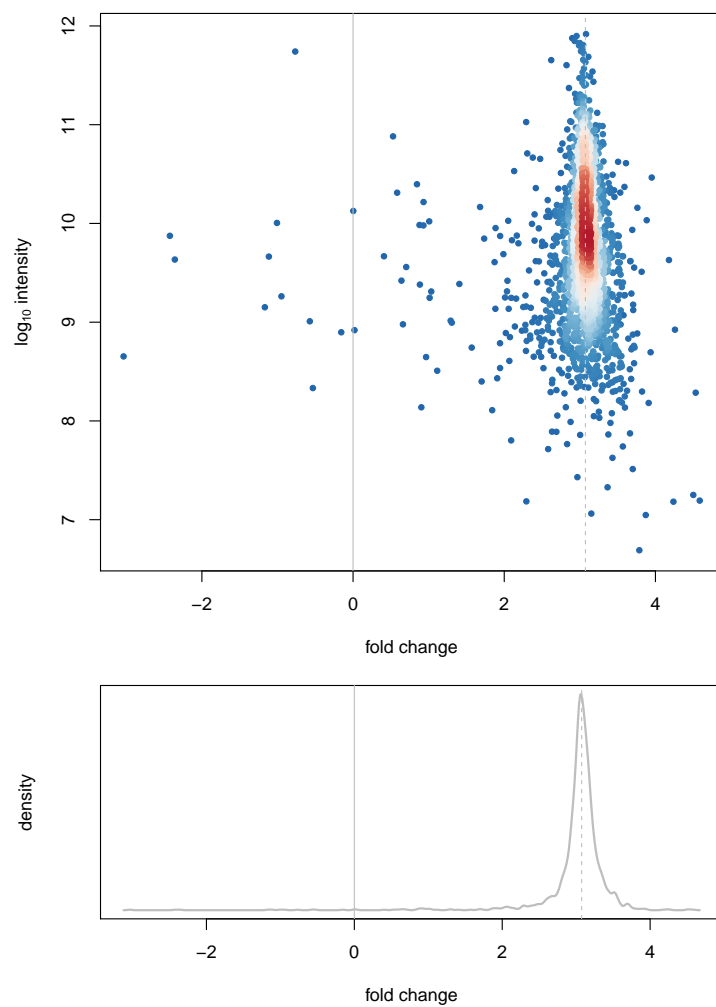


Figure 5: Fold changes of peptide abundances 1 and 2.  
 $\text{median}(\text{fc}) = 3.0739$        $\text{sd}(\text{fc}) = 0.4645$

modified sequence	accession	charge	retention time	m/z
no matching sequences found				

Table 3: Peptides of interest. Please note that the script requires a vector of *stripped* peptides sequences, but in the above table we list the *modified* peptide sequences.

modified sequence	accession	charge	retention time	m/z
no matching accessions found				

Table 4: Proteins of interest.