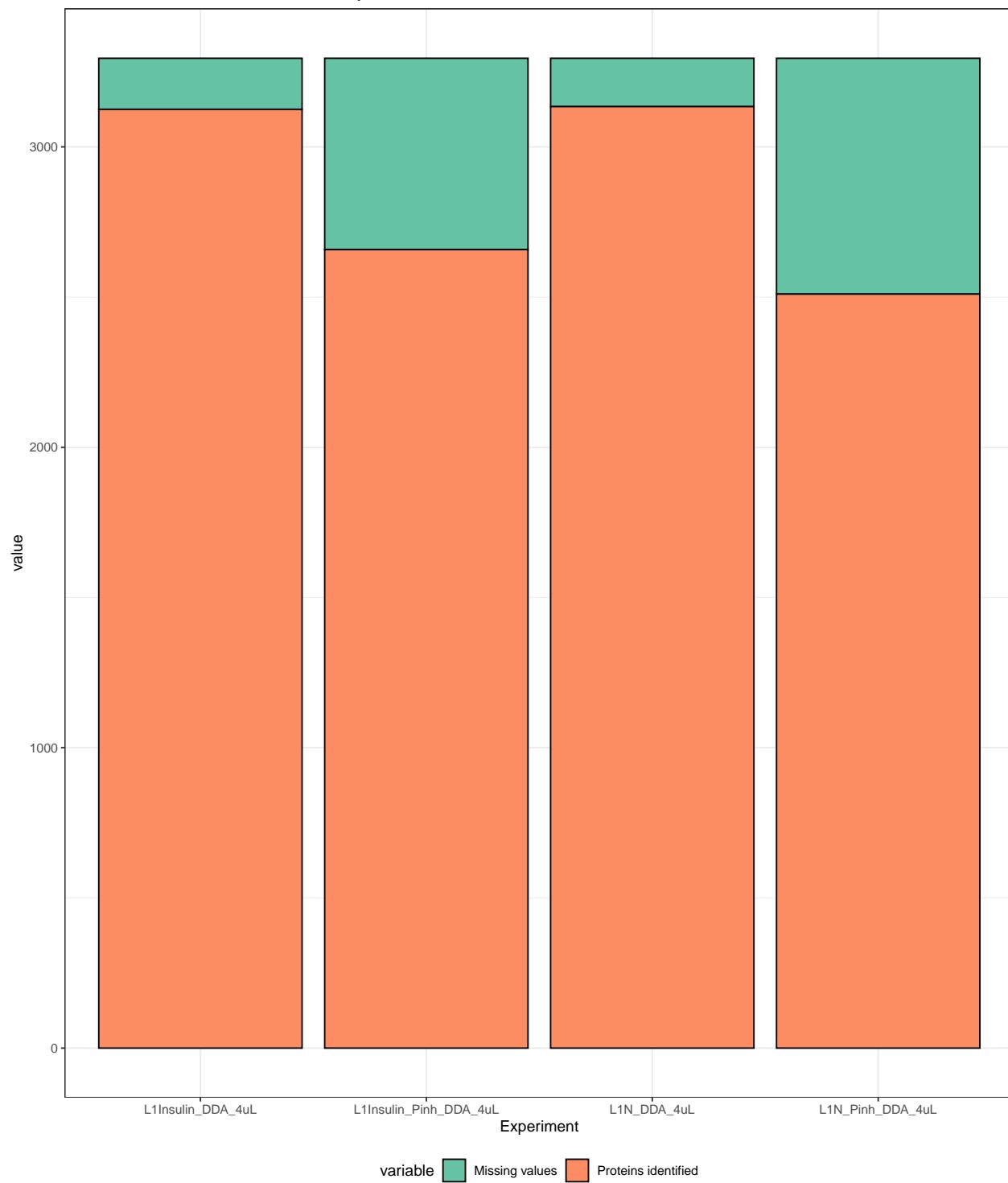


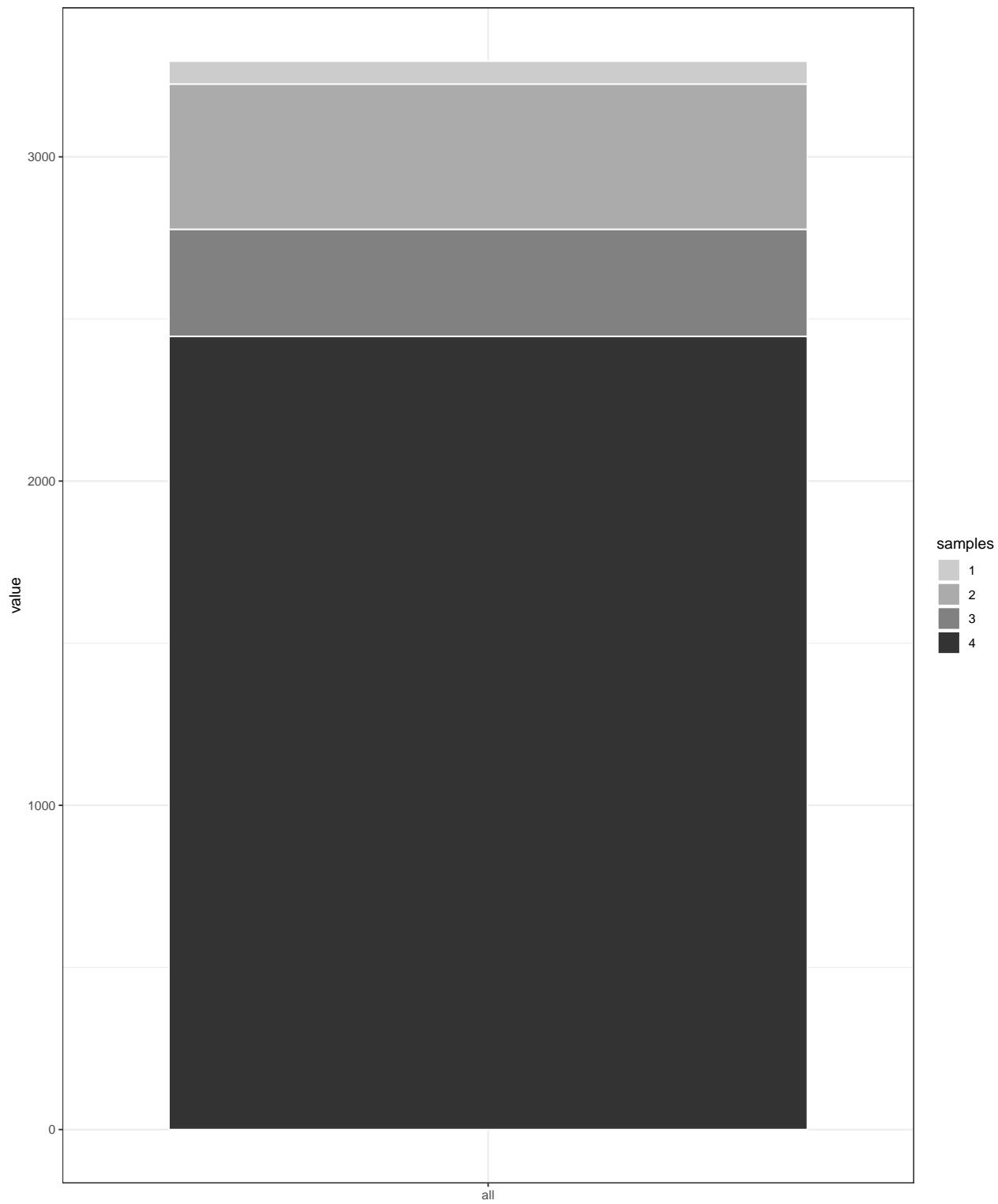
MQmetrics Report

01 April, 2021

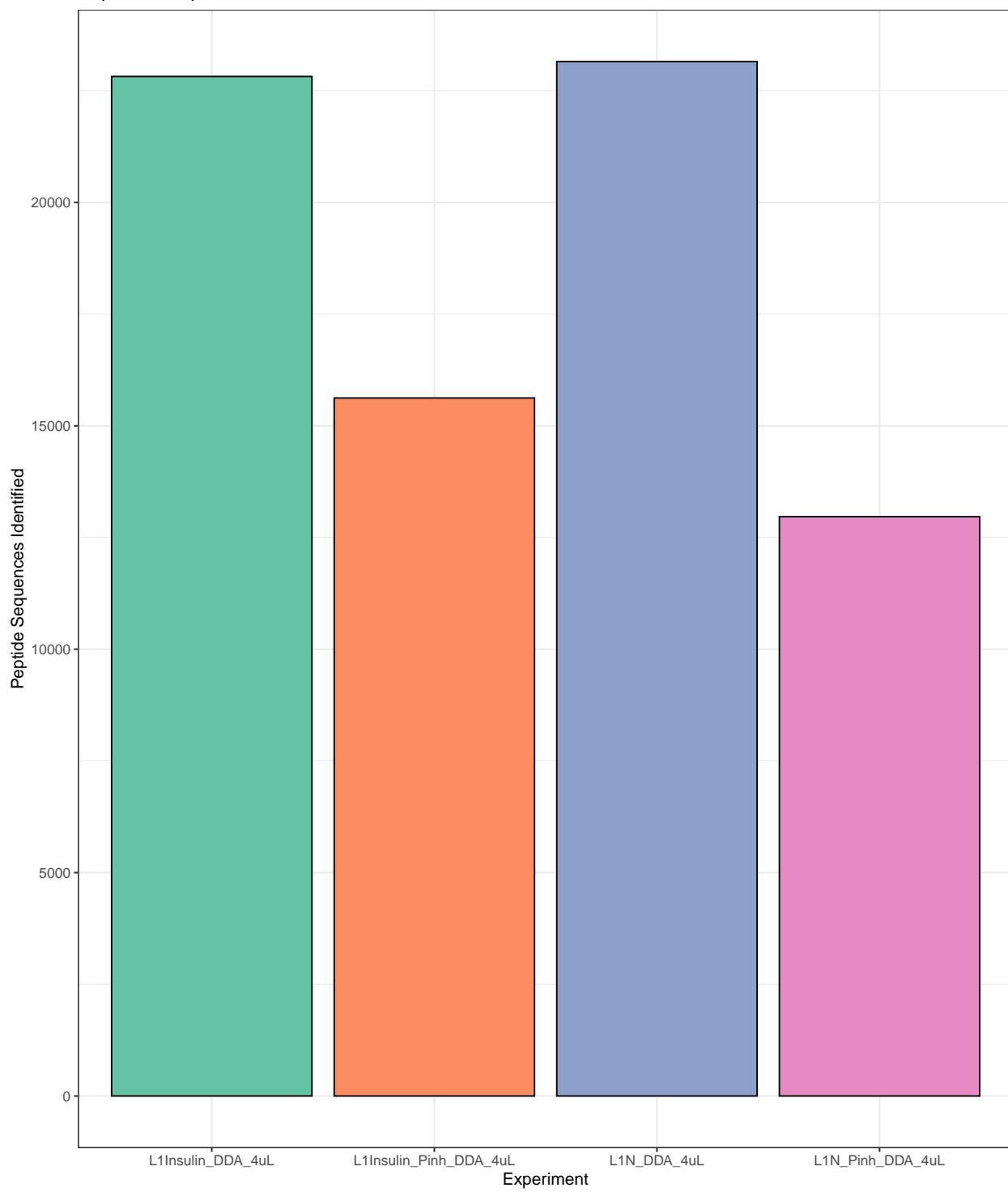
```
## [1] "The experiment started the day: 17/02/2021 at the time: 18:57:27."
## [1] "The whole experiment lasted: 05:48 (hours:minutes)."
## [1] "The MaxQuant version used was: 1.6.12.0"
## [1] "The user was: marek.vrbacky"
## [1] "The machine name was: FGU013PC029"
## [1] "The protein FDR was: 0.01"
## [1] "The match between runs was: True"
## [1] "The fasta file used was: C:\\MaxQuant_Databases\\\\UP000000589_10090.fasta"
```

Proteins Identified based on Intensity

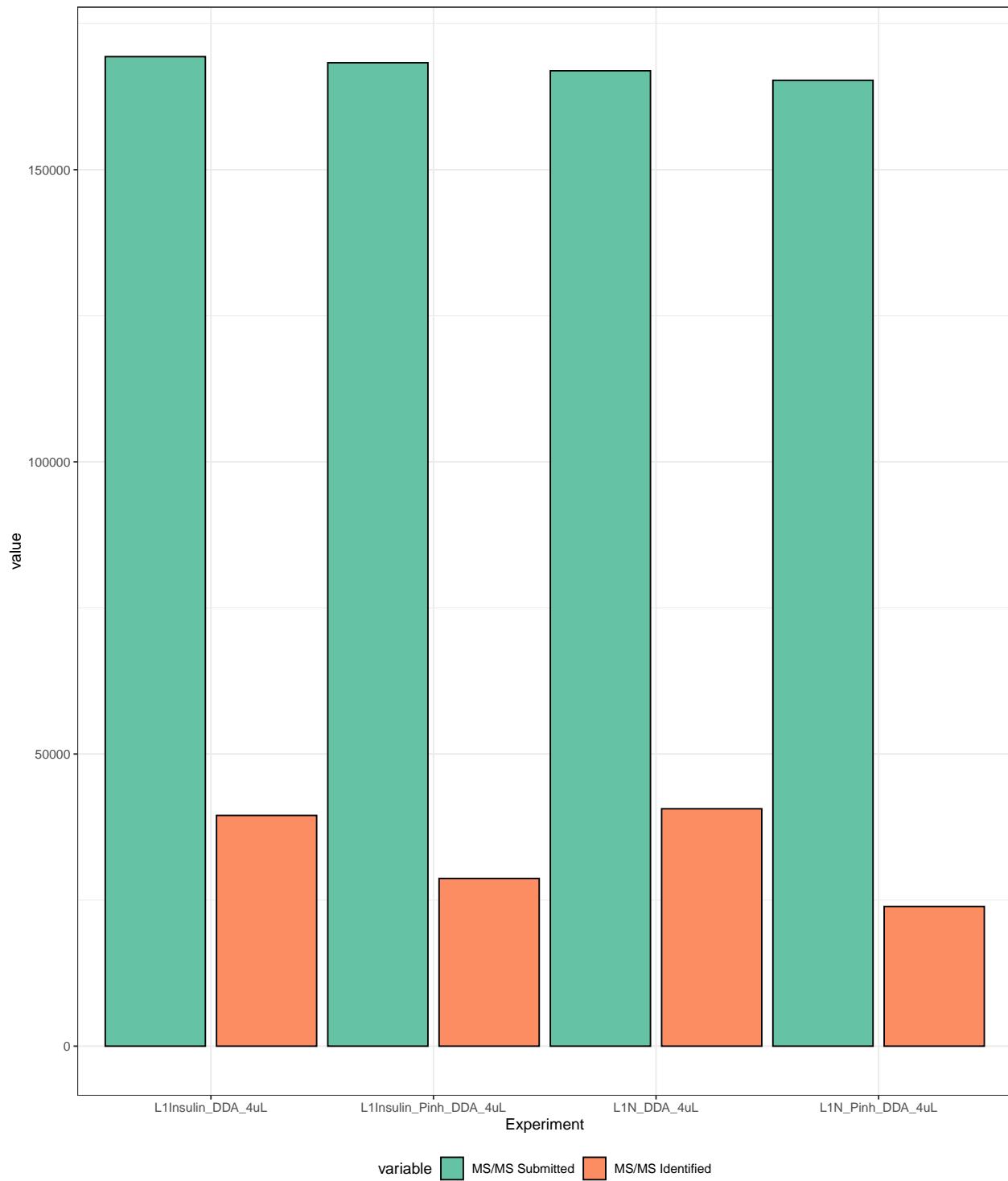




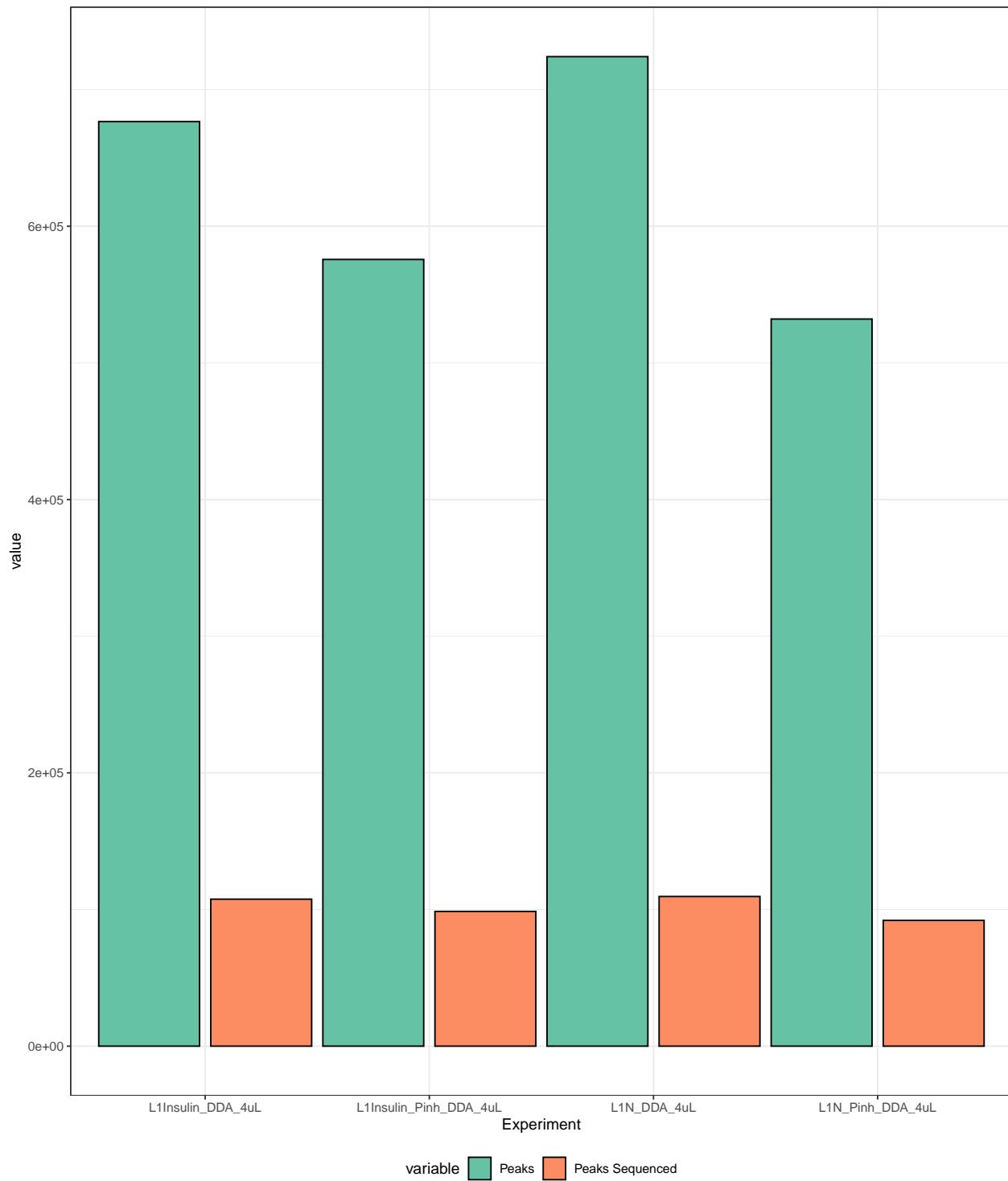
Peptides Sequences Identified



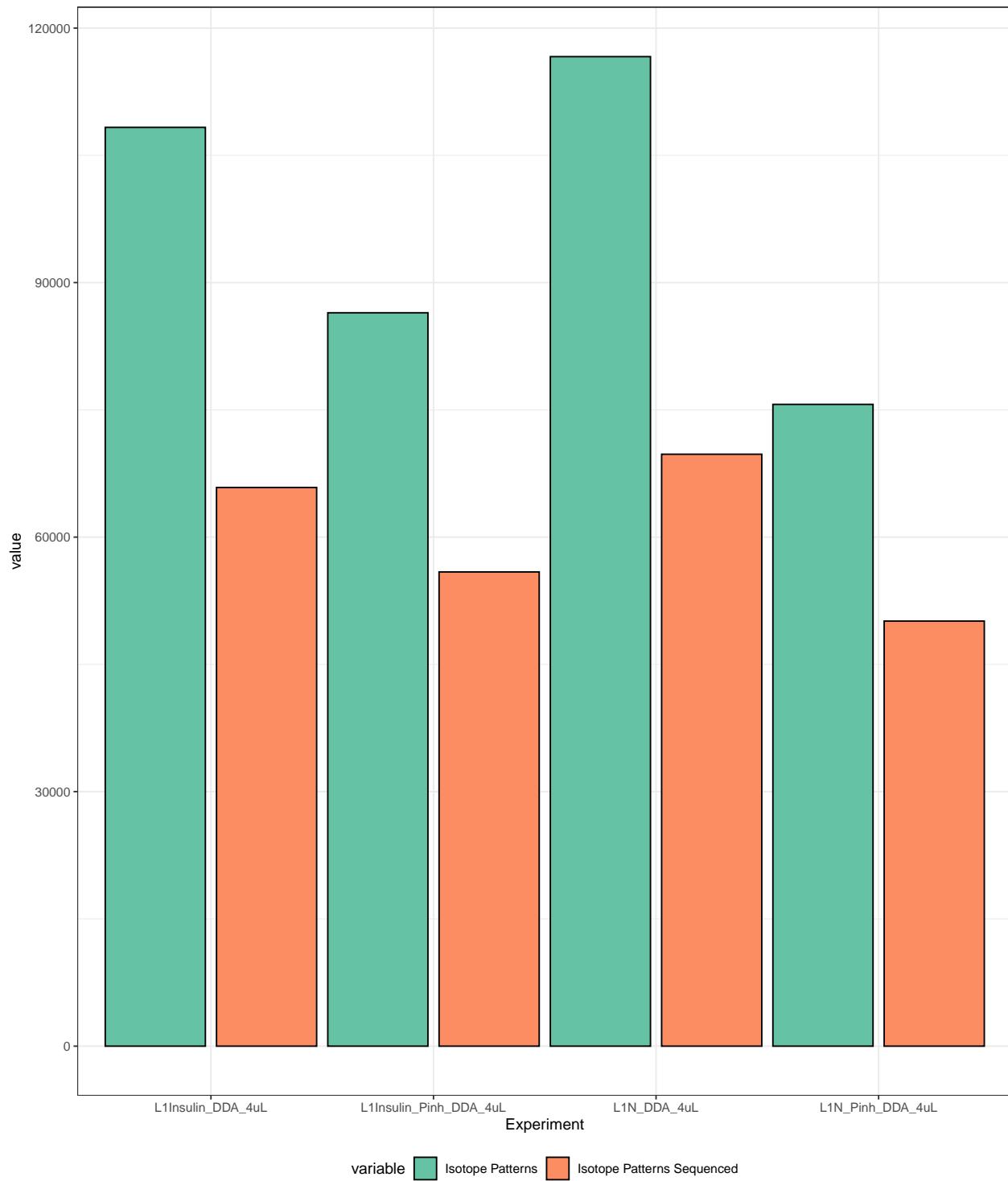
MS/MS Submitted and Identified



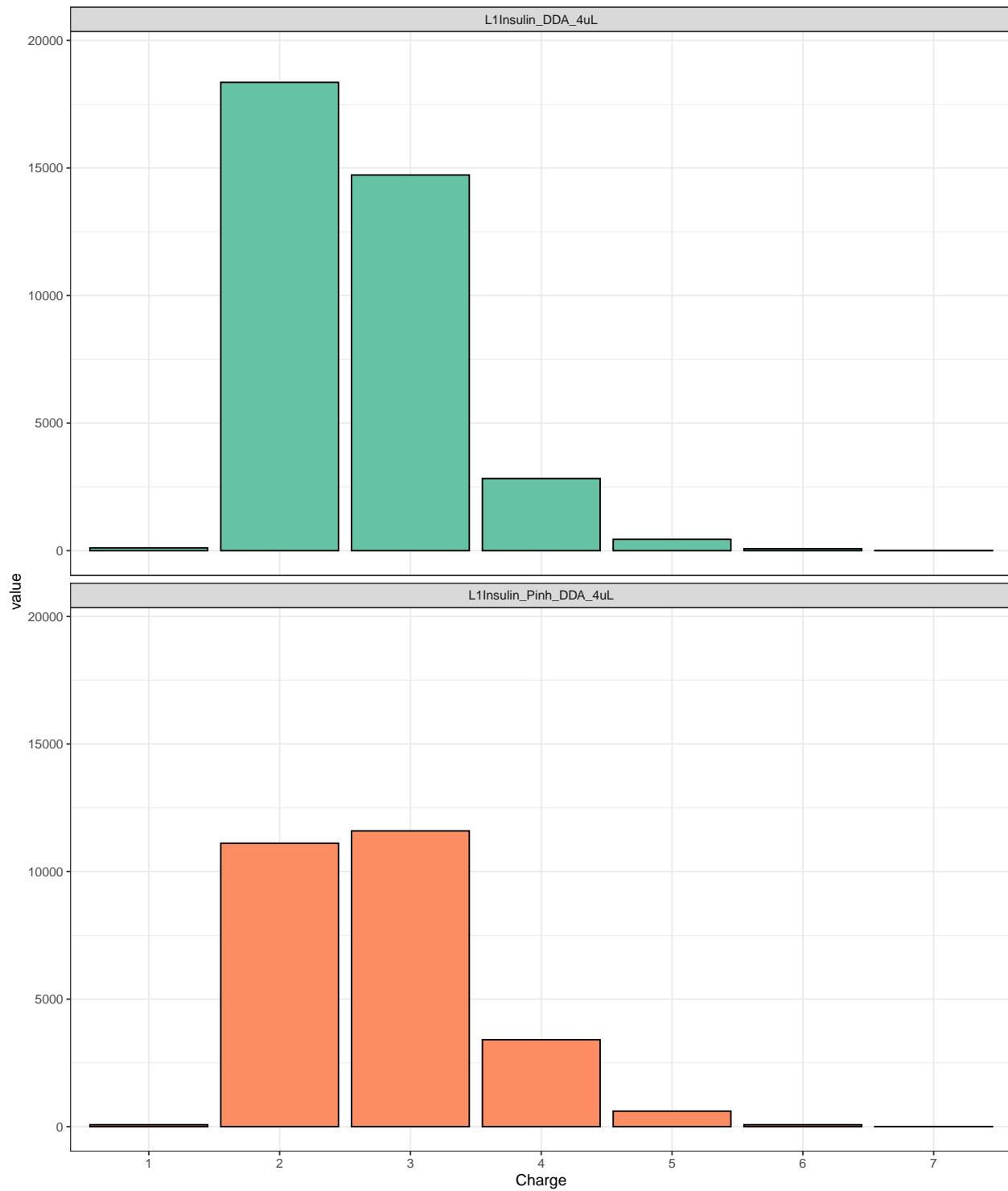
Peaks detected and sequenced in the full scans



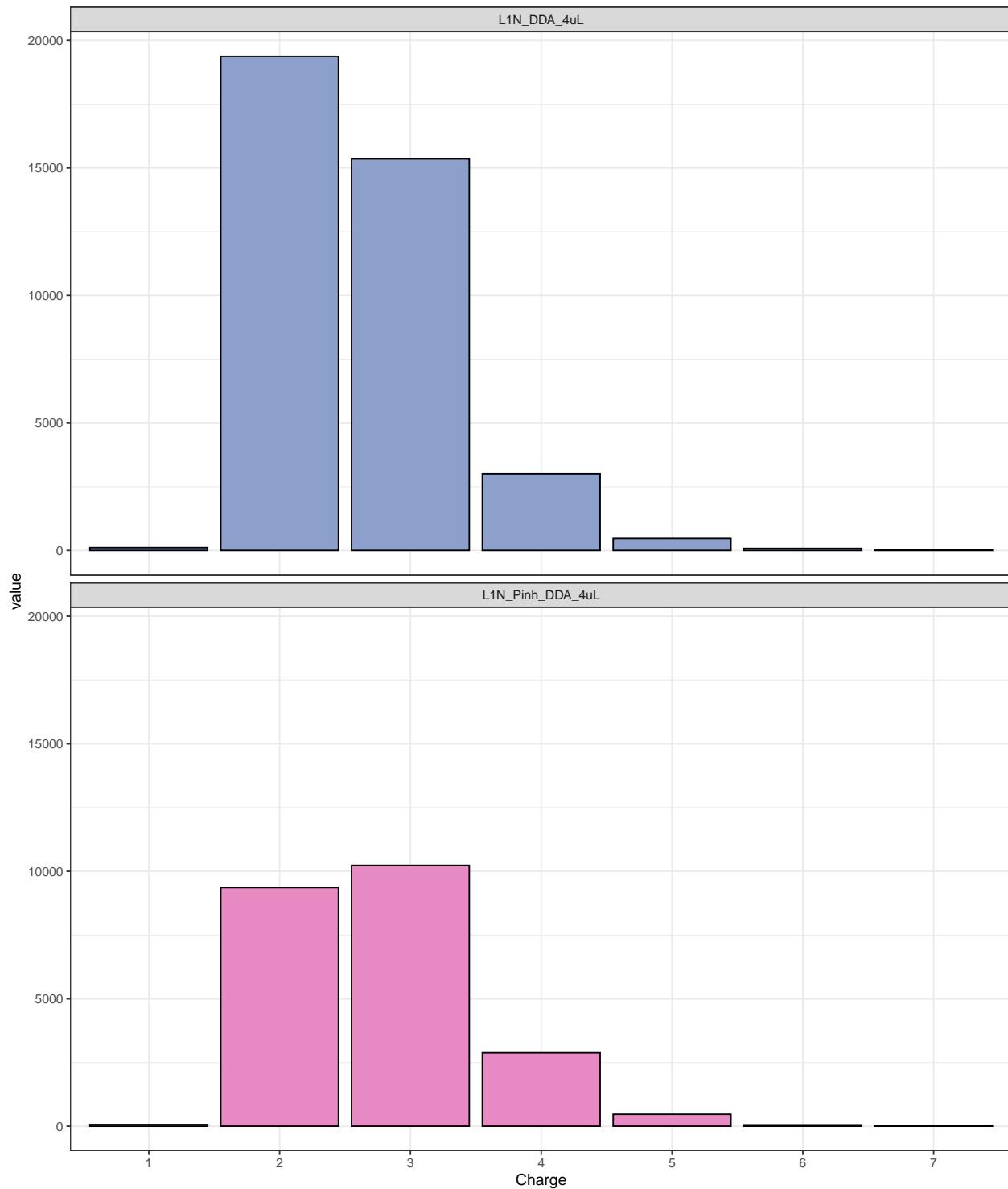
Isotope Patterns detected and sequenced



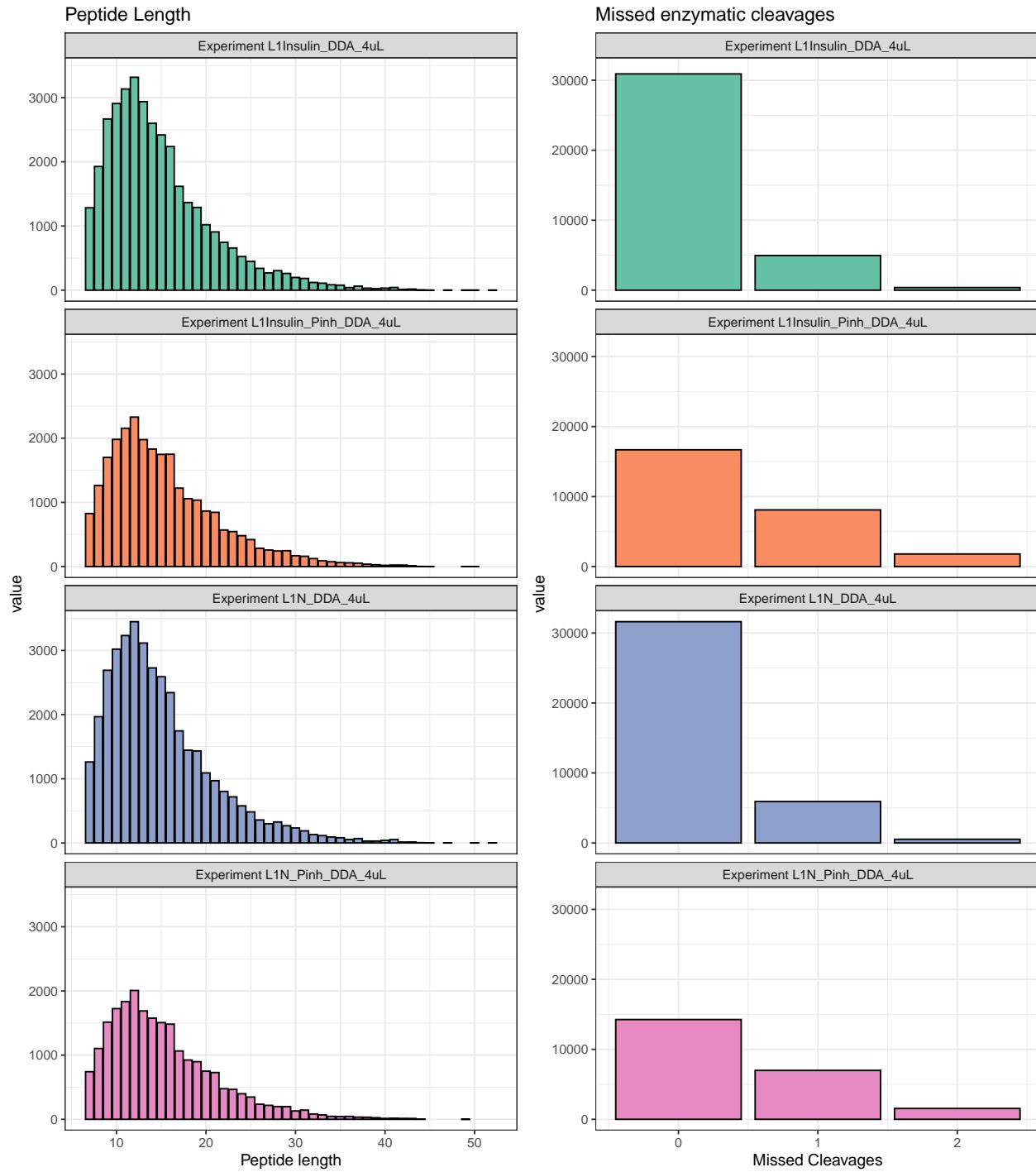
The charge-state of the precursor ion.



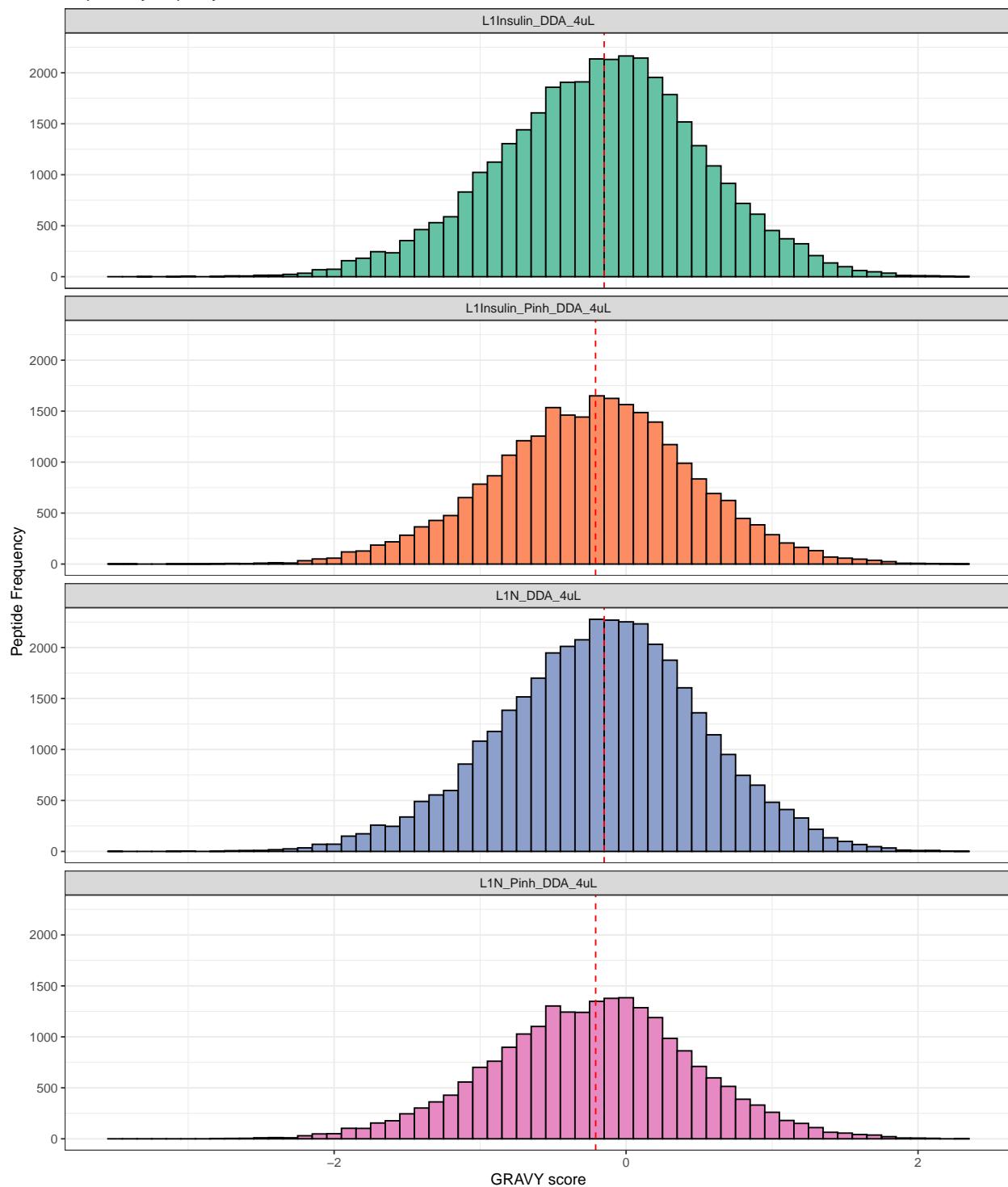
The charge-state of the precursor ion.

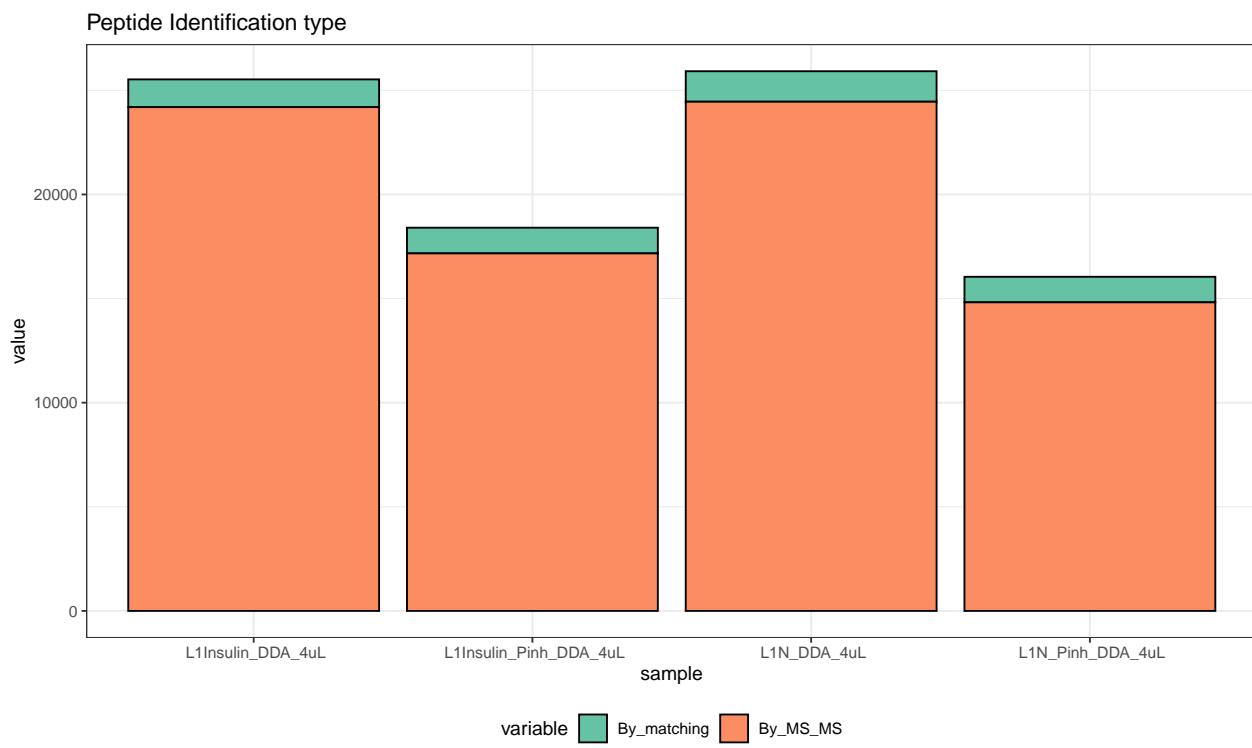
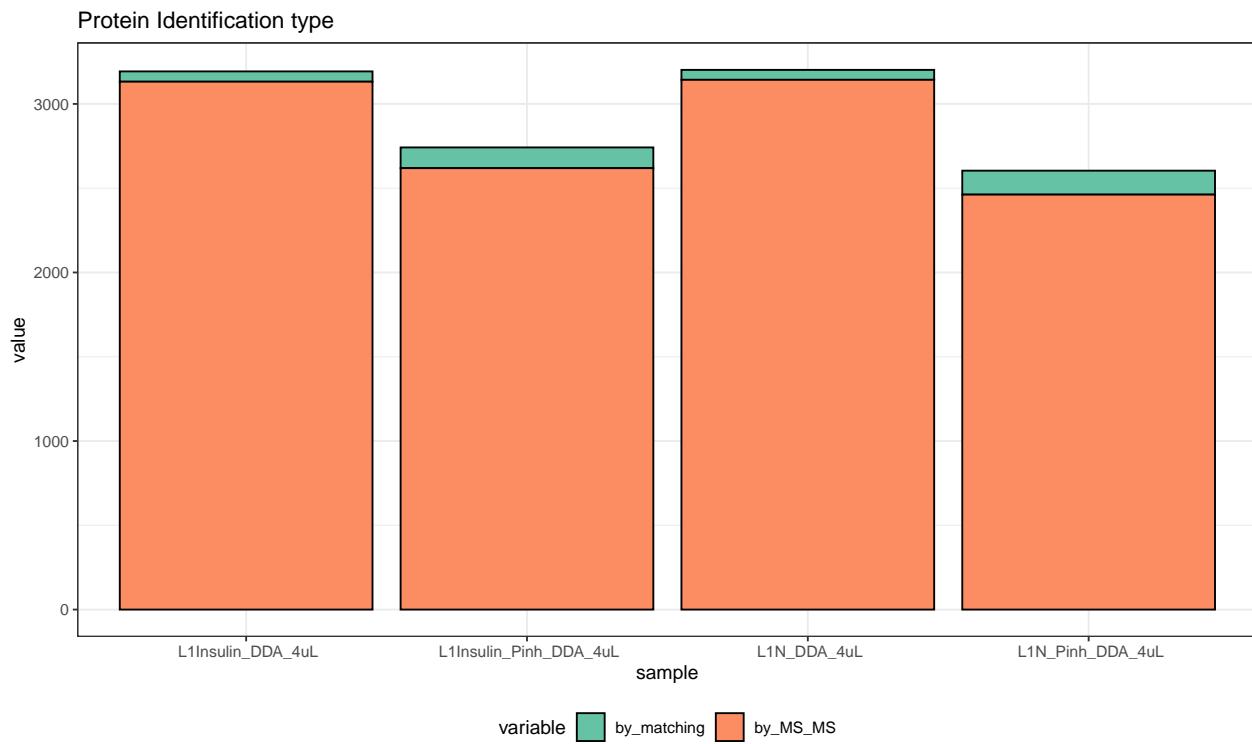


Protease Specificity

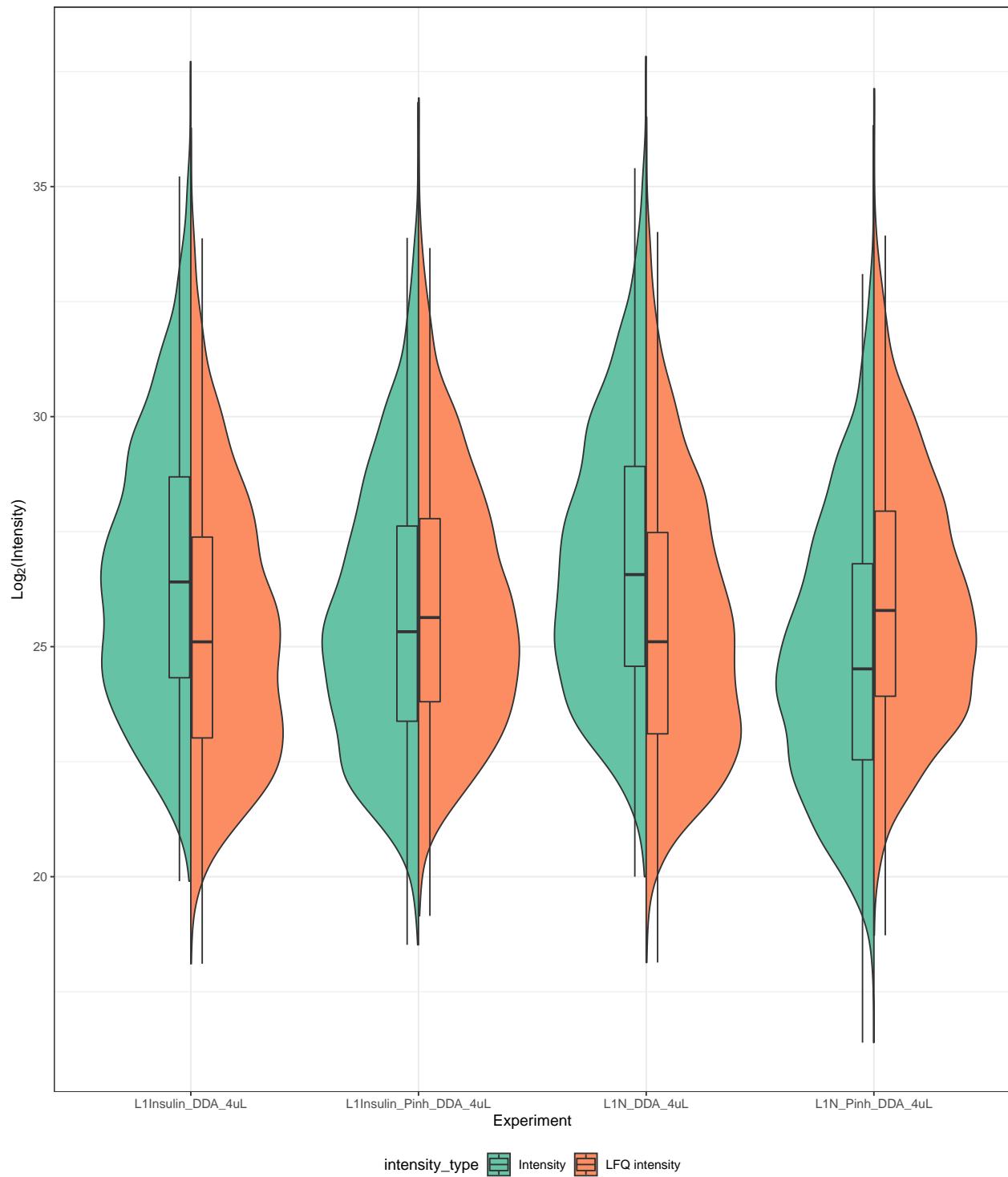


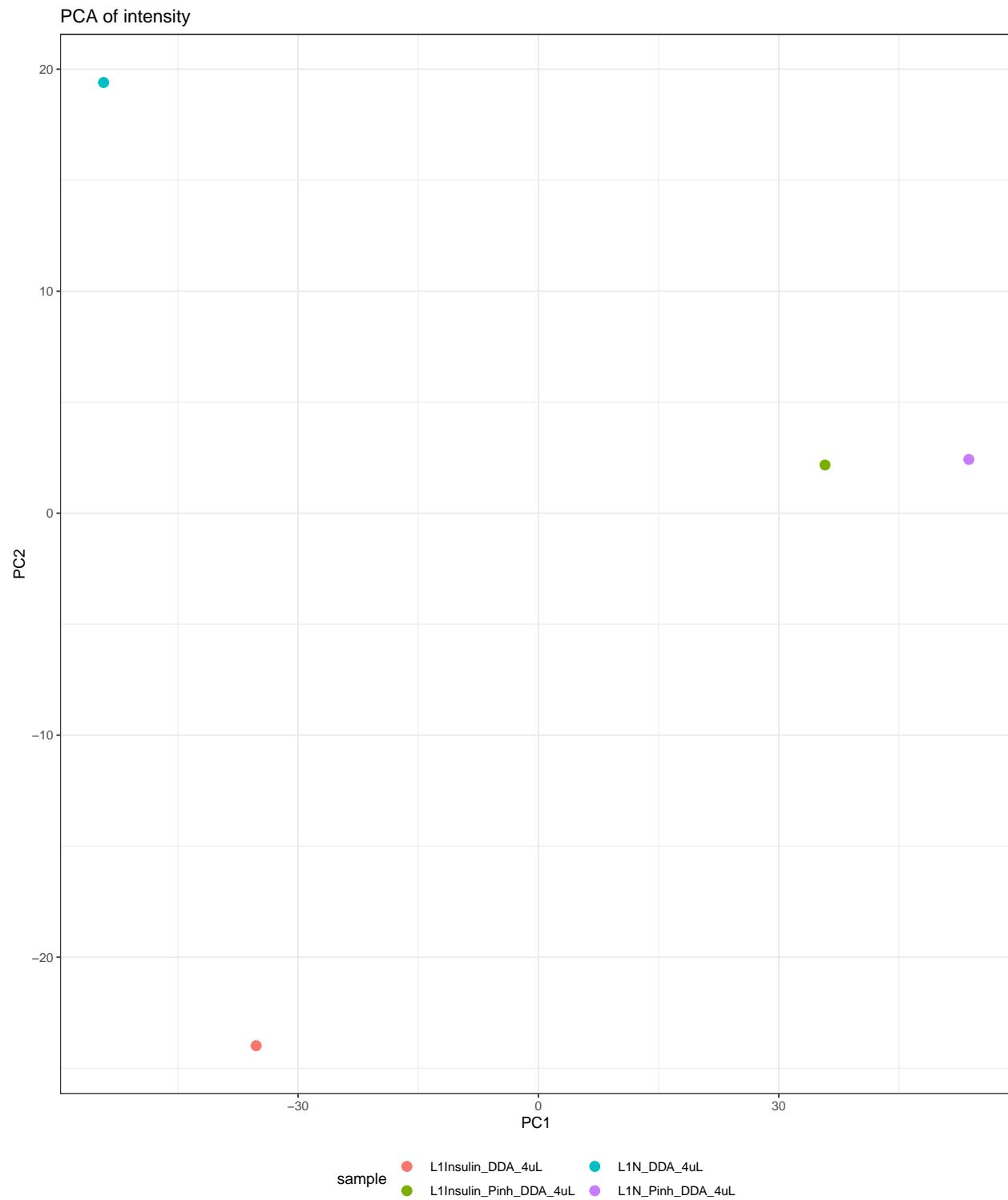
Peptide hydrophyt distribution



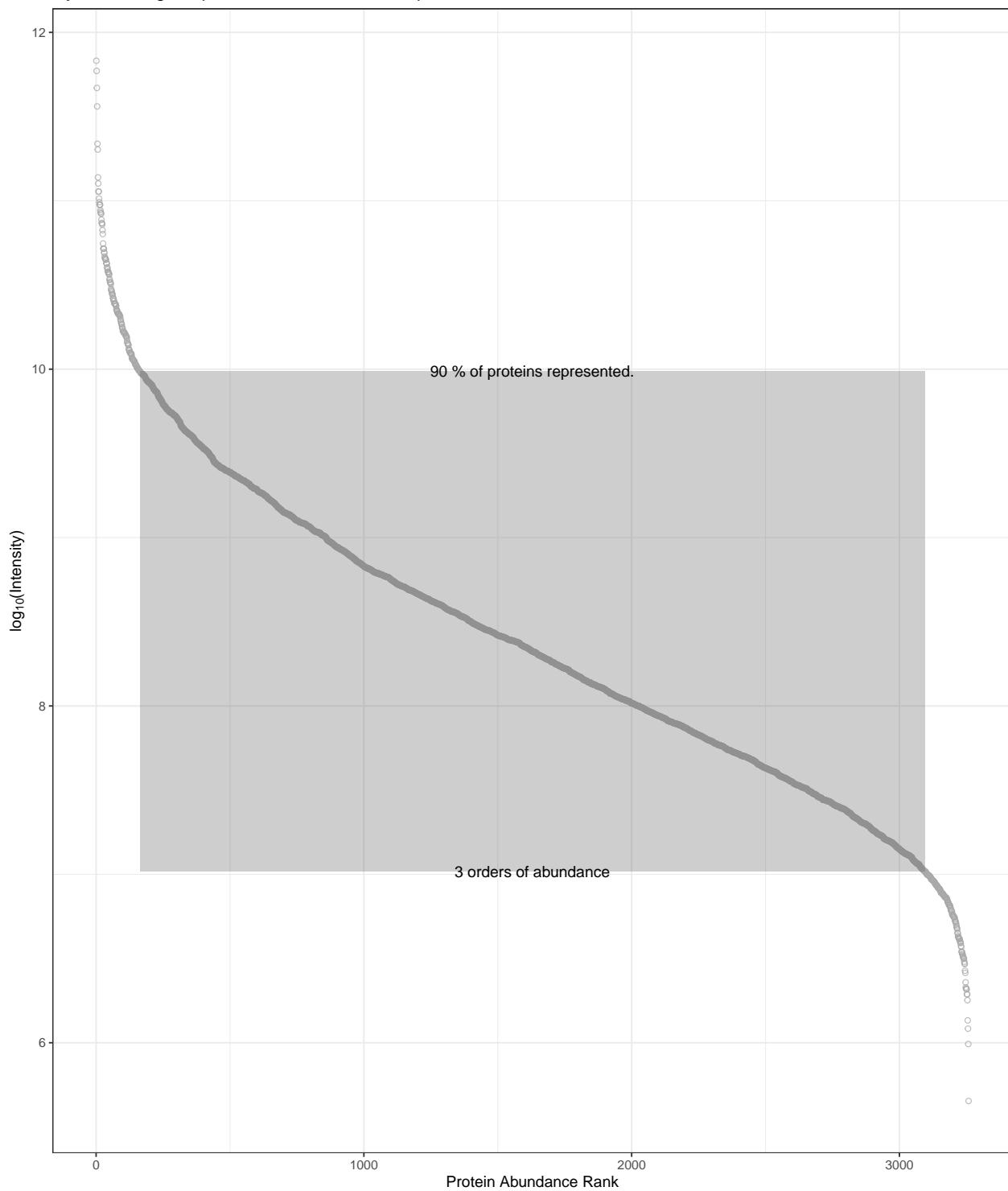


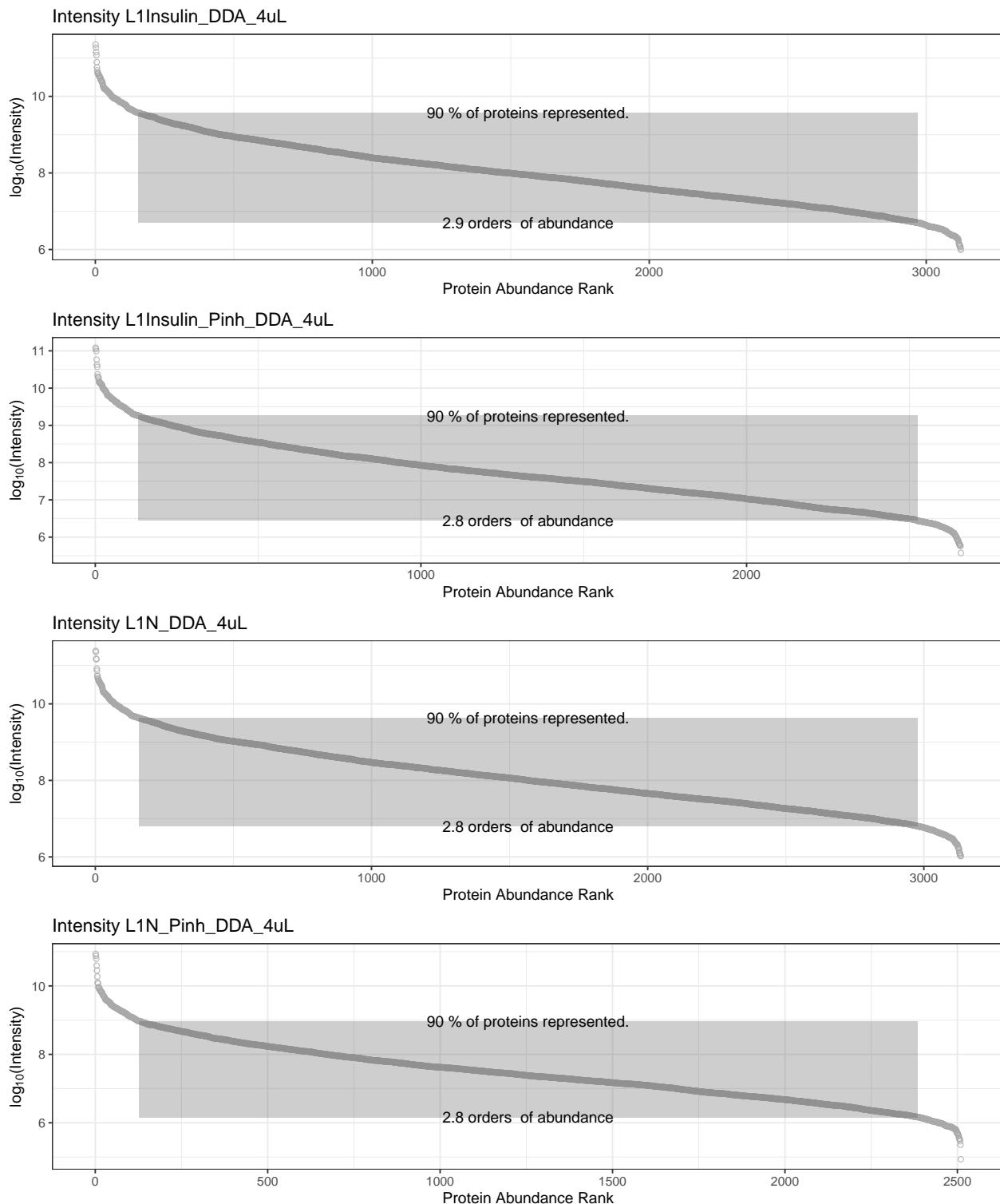
Protein Intensity & LFQ intensity





Dynamic range of protein abundance all samples

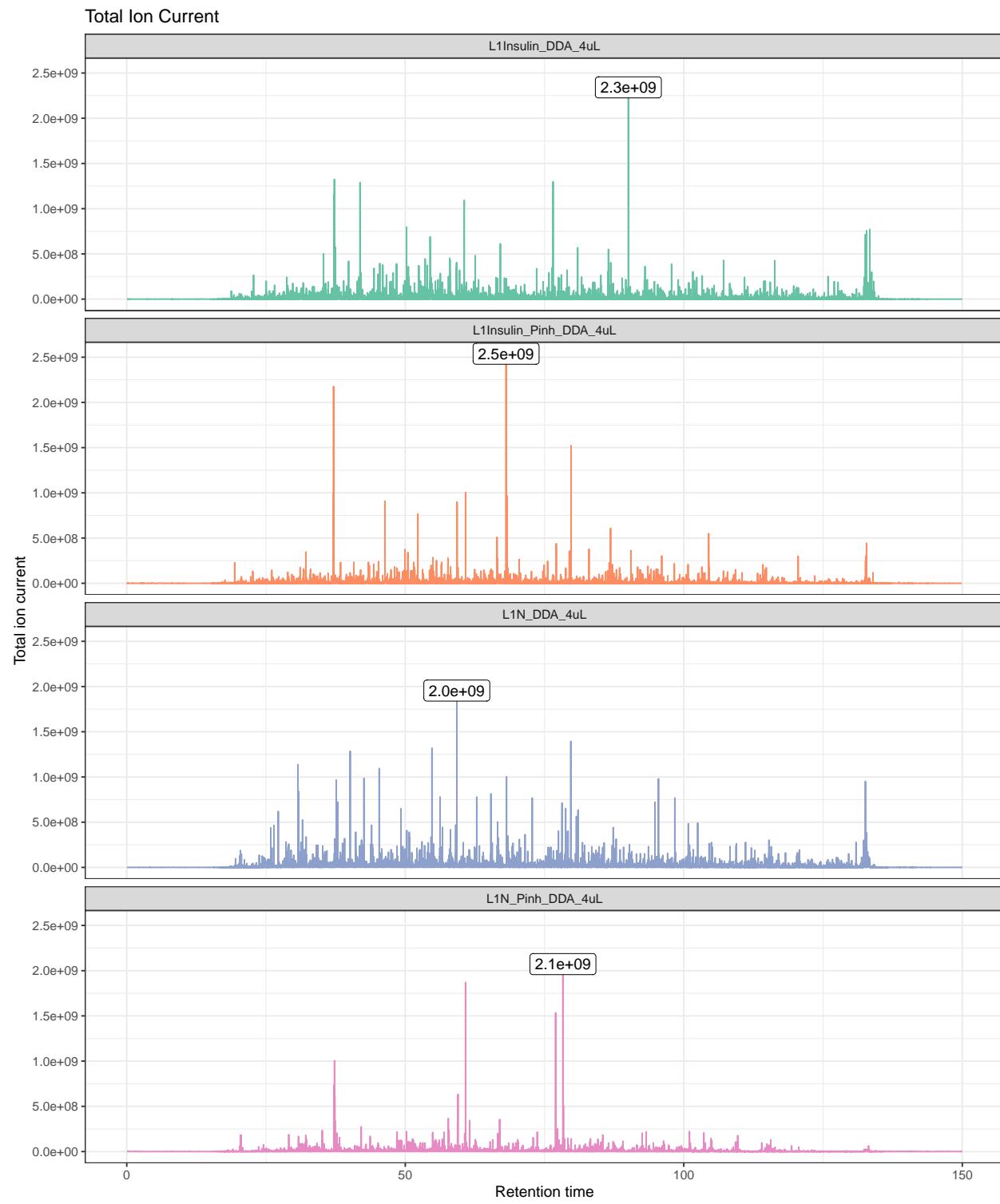




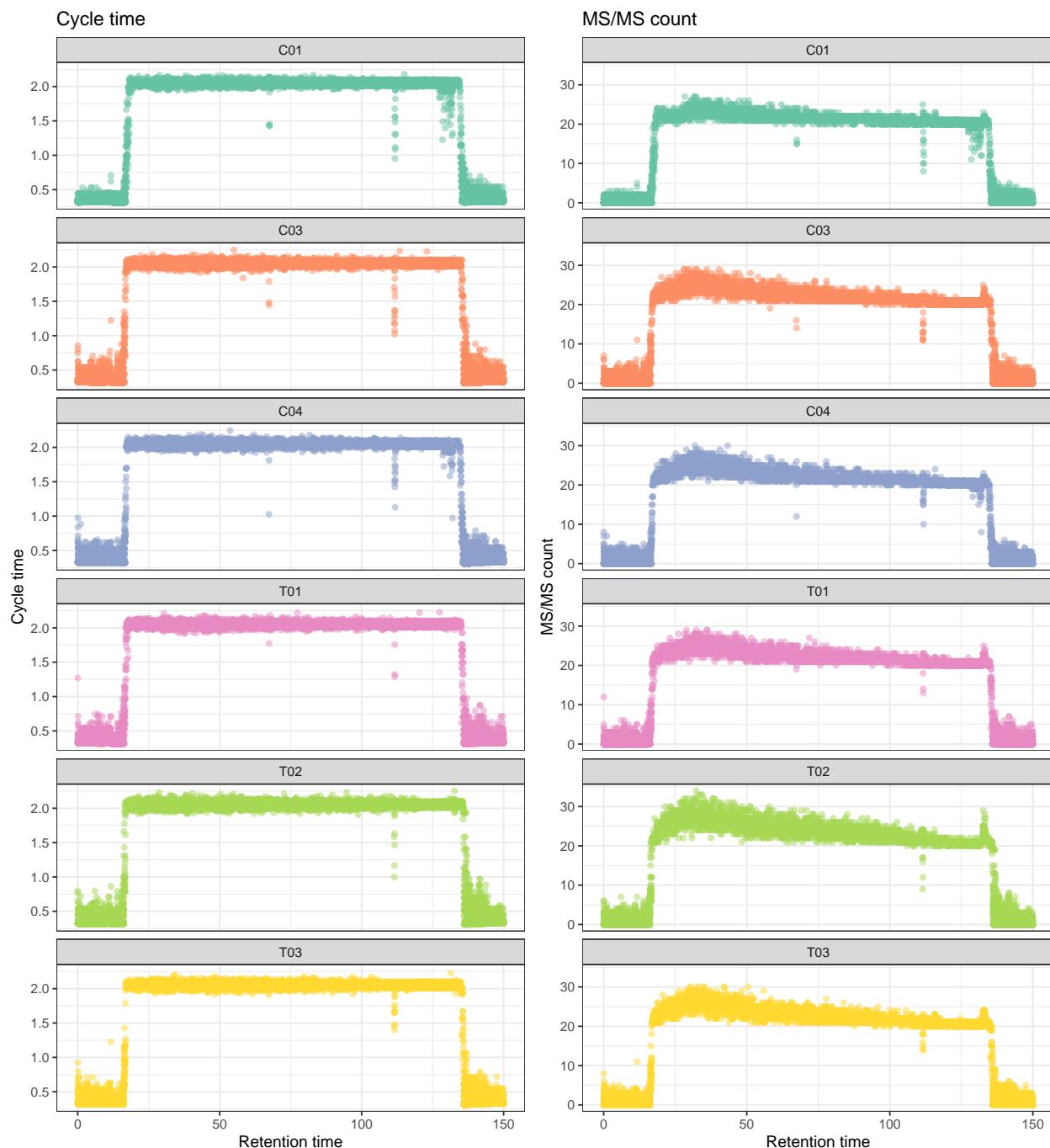
```
## [1] "No UniprotID provided."
```

```
## [1] "No iRT peptides found in the MaxQuant output."
```

```
## [1] "No iRT peptides found in the MaxQuant output."
```



Acquisition Cycle



Post–Translational Modifications

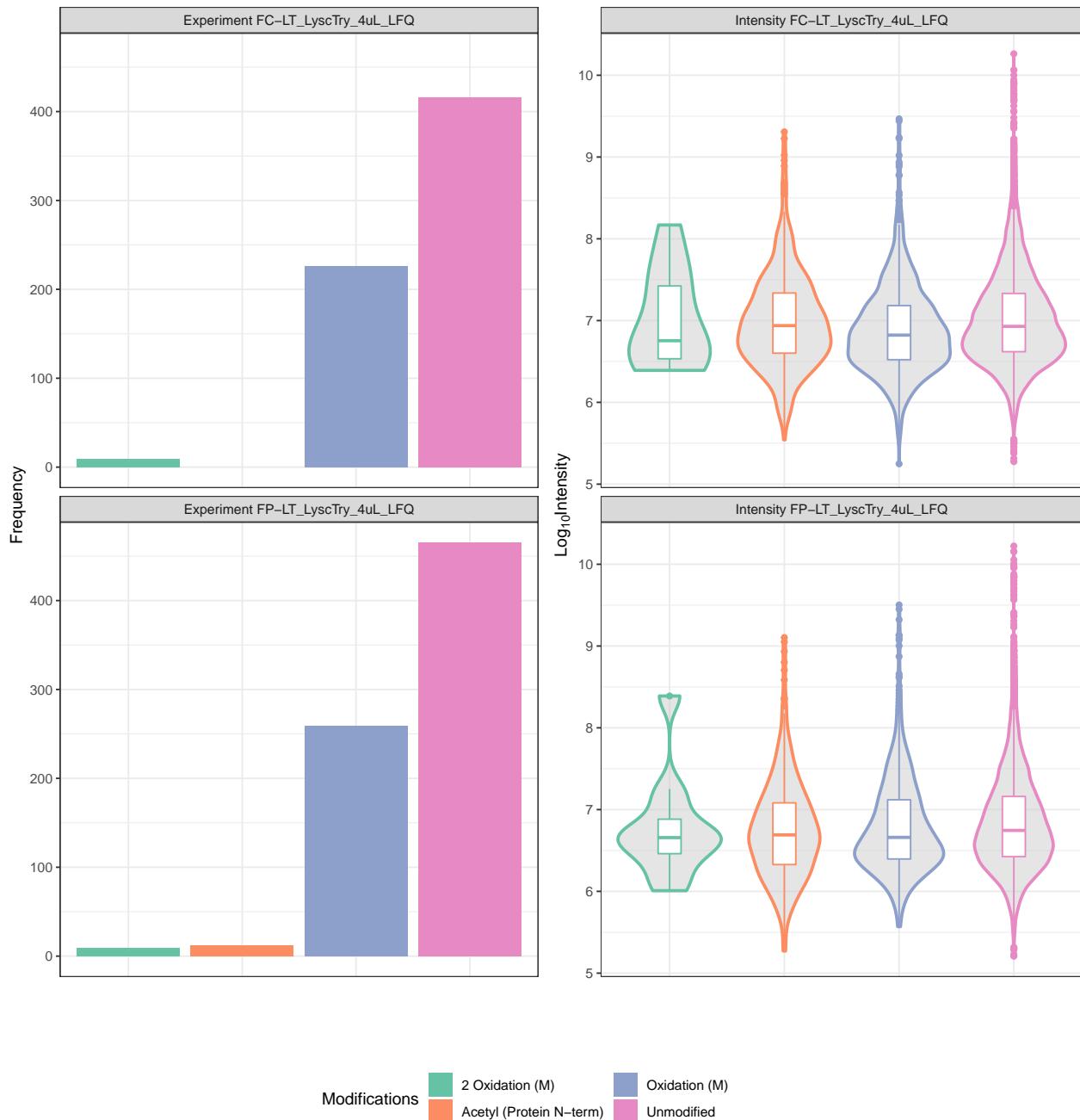


Table 1: Protein Information

Experiment	Missing values	Proteins identified
L1Insulin_DDA_4uL	170	3125
L1Insulin_Pinh_DDA_4uL	637	2658
L1N_DDA_4uL	161	3134
L1N_Pinh_DDA_4uL	785	2510

Table 2: Intensity Information

Experiment	mean	sd	median	min	max	n
Log2 Intensity L1Insulin_DDA_4uL	30.07	32.74	26.41	19.90	37.72	3125
Log2 Intensity L1Insulin_Pinh_DDA_4uL	29.16	32.01	25.32	18.52	36.83	2658
Log2 Intensity L1N_DDA_4uL	30.27	32.92	26.57	20.00	37.83	3134
Log2 Intensity L1N_Pinh_DDA_4uL	28.38	31.44	24.52	16.39	36.33	2510

Table 3: Charge Information

Experiment	1	2	3	4	5	6	7
L1Insulin_DDA_4uL	0.3	50.2	40.3	7.7	1.2	0.2	0.0
L1Insulin_Pinh_DDA_4uL	0.3	41.3	43.1	12.7	2.3	0.3	0.0
L1N_DDA_4uL	0.3	50.4	40.0	7.8	1.2	0.2	0.0
L1N_Pinh_DDA_4uL	0.3	40.6	44.4	12.5	2.0	0.2	0.0

Table 4: Peptide hydrophobicity (GRAVY)

Experiment	Mean	Max	Min	Median	Std
L1Insulin_DDA_4uL	-0.1755725	2.285714	-3.342857	-0.1500000	0.6937589
L1Insulin_Pinh_DDA_4uL	-0.2301779	2.285714	-3.525000	-0.2090909	0.6824202
L1N_DDA_4uL	-0.1728685	2.285714	-3.525000	-0.1500000	0.6892356
L1N_Pinh_DDA_4uL	-0.2278702	2.285714	-2.793939	-0.2083333	0.6849292