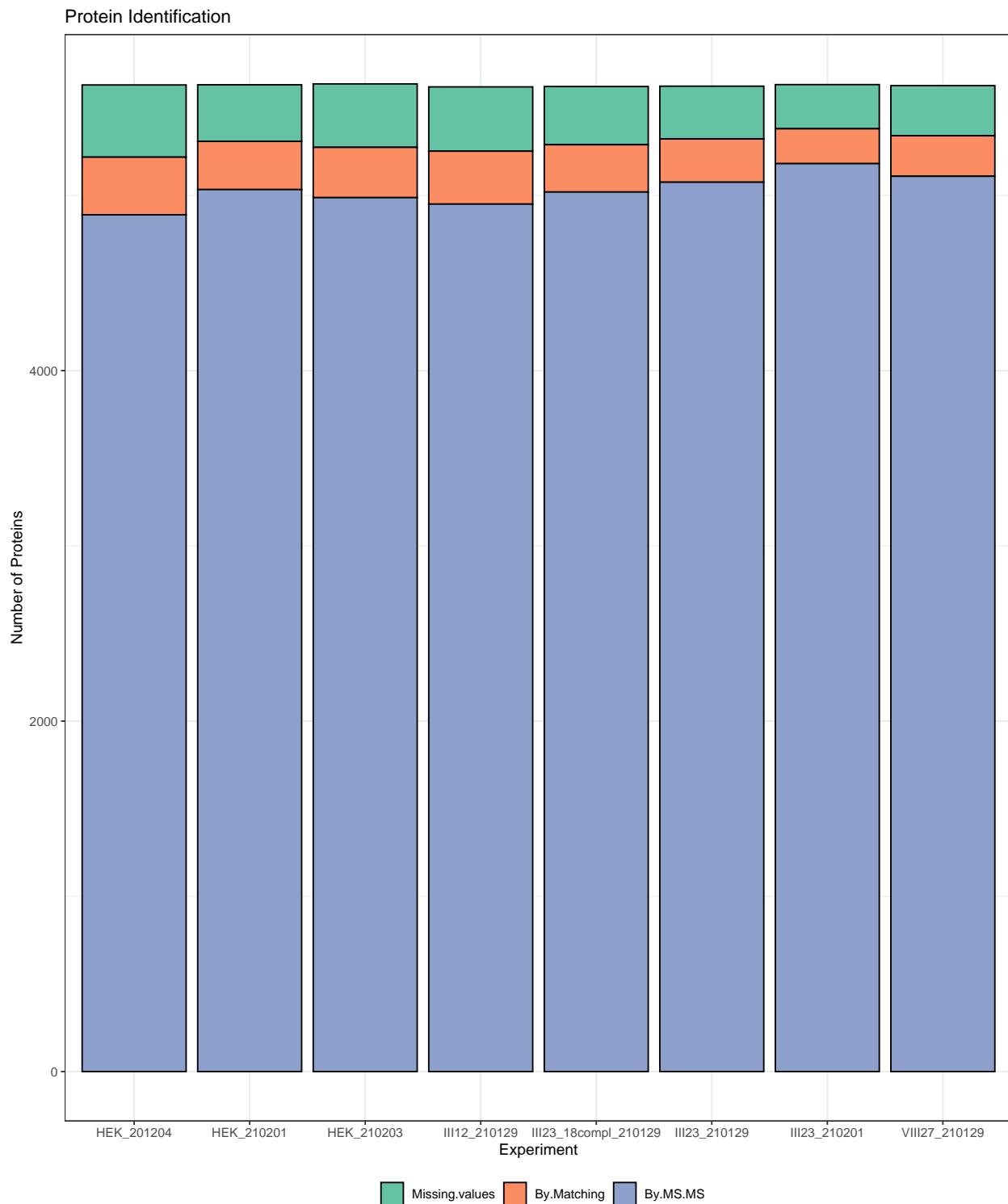


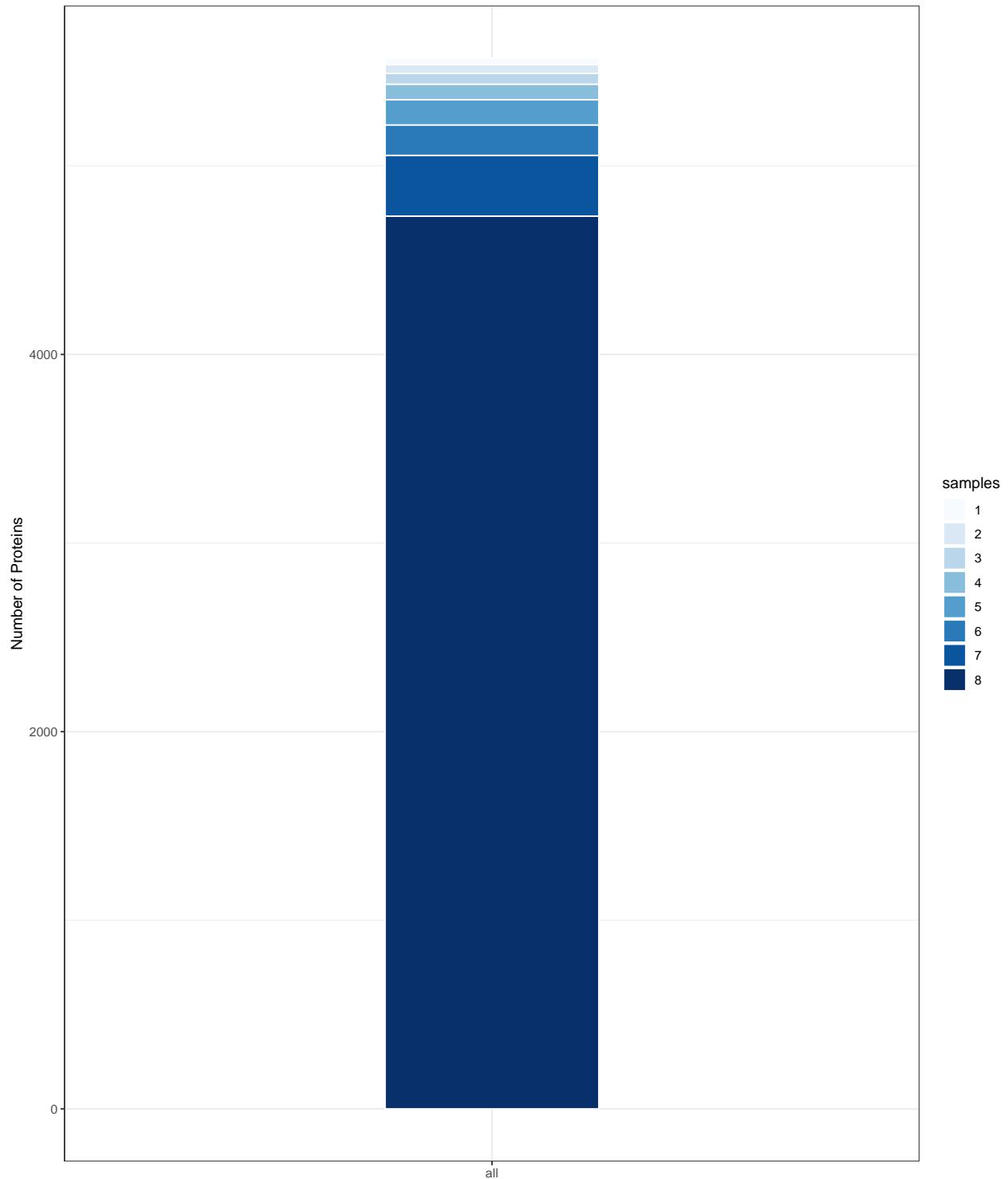
# MQmetrics Report

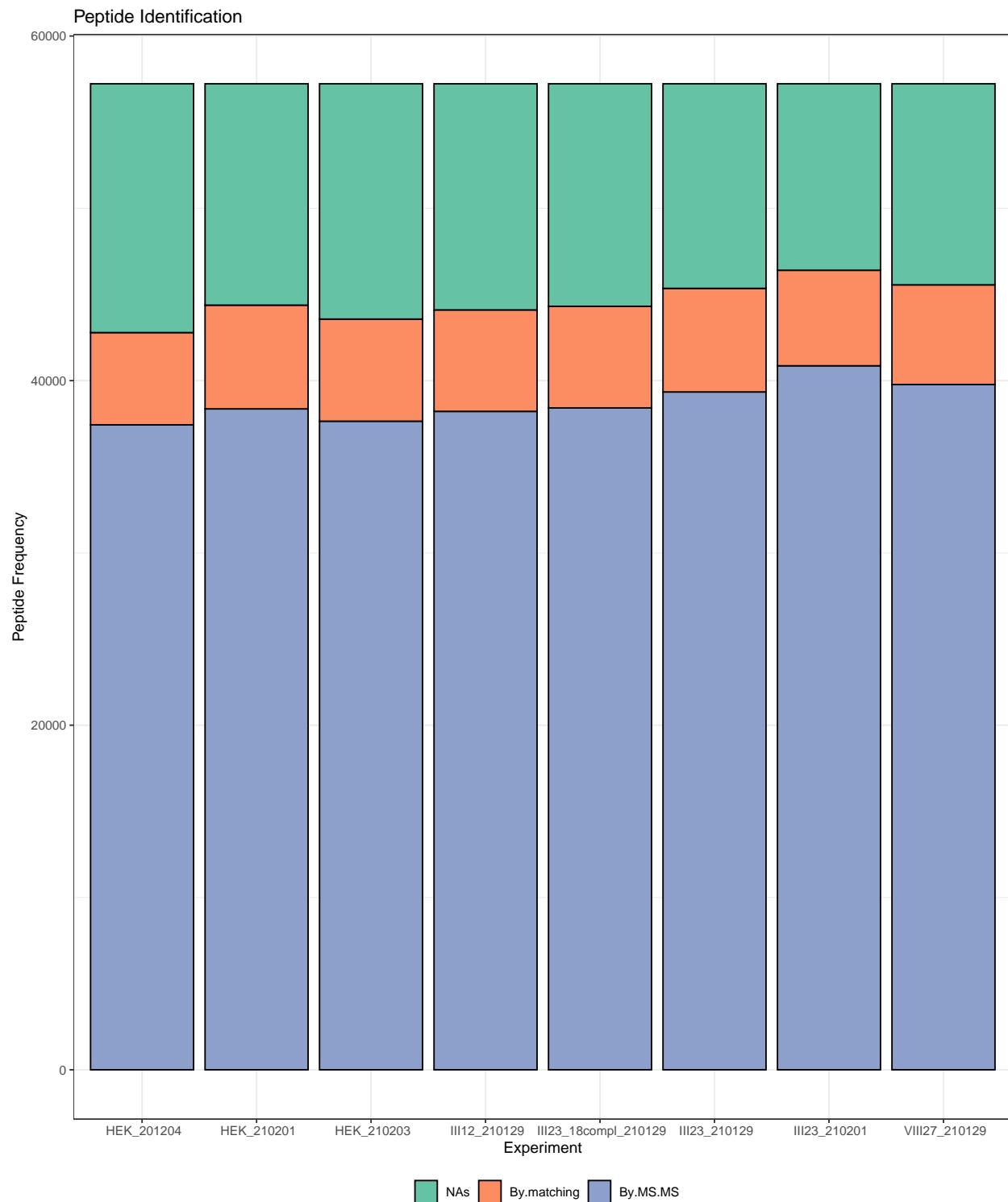
10 September, 2021

```
The MaxQuant output directory is:  
/home/alvaro/Documents/MaxQuant/example5/combined/  
The MaxQuant analysis started the day: 07/03/2021 at the time: 13:06:24.  
The whole MaxQuant analysis lasted: 0 days, 2 hours and 8 mins.  
The MaxQuant analysis finished on: 07/03/2021 at: 15:14:08  
The MaxQuant version used was: 1.6.12.0  
The user was: marek.vrbacky  
The machine name was: FGU045PC004  
The PSM FDR was: 0.01  
The protein FDR was: 0.01  
The match between runs was: True  
The fasta file(s) used was:  
C:\MaxQuant_Databases\UP000005640_9606.fasta  
The iBAQ presence is: True  
The PTM selected is/are: Oxidation (M);Acetyl (Protein N-term)
```

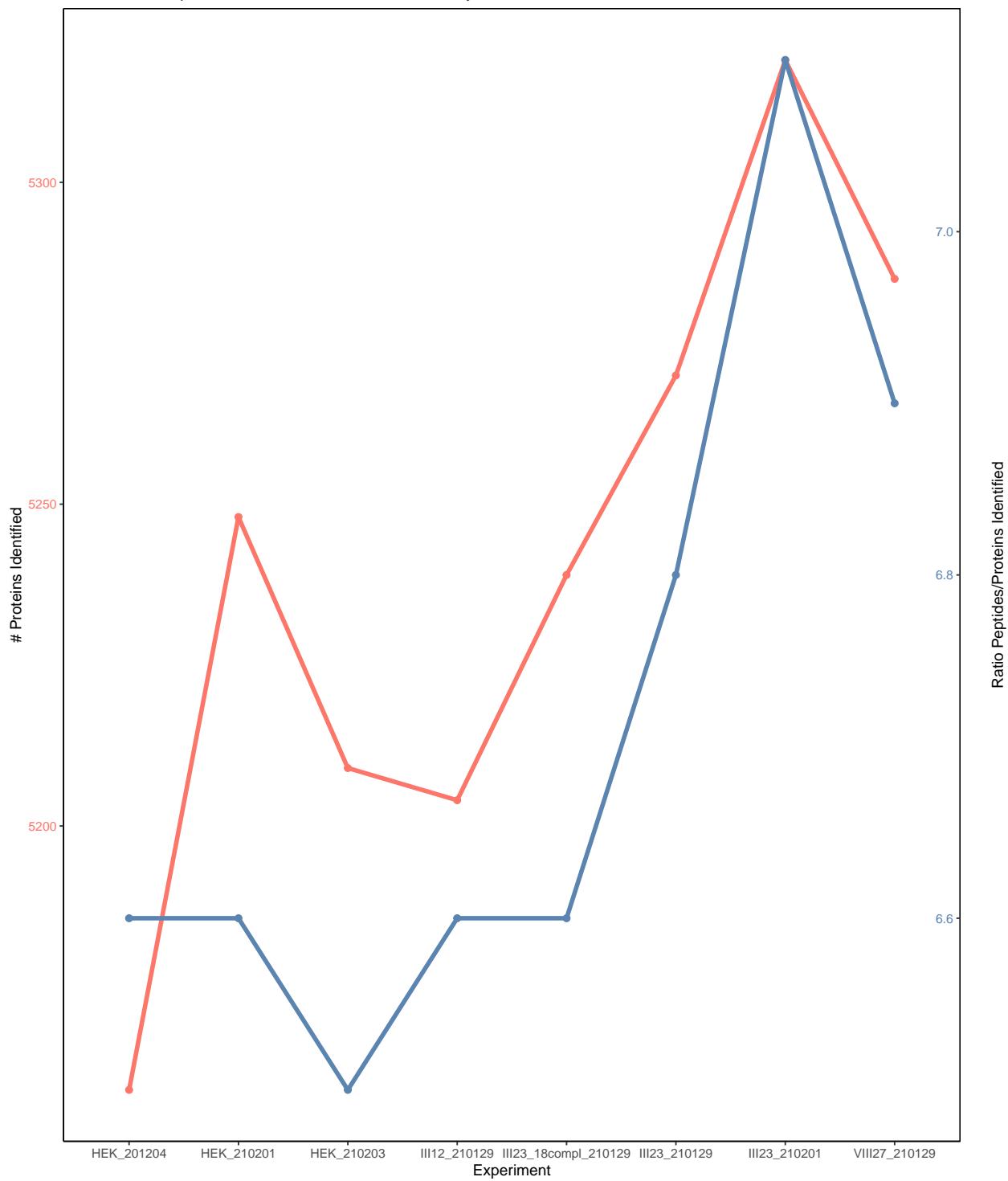


### Protein Overlap

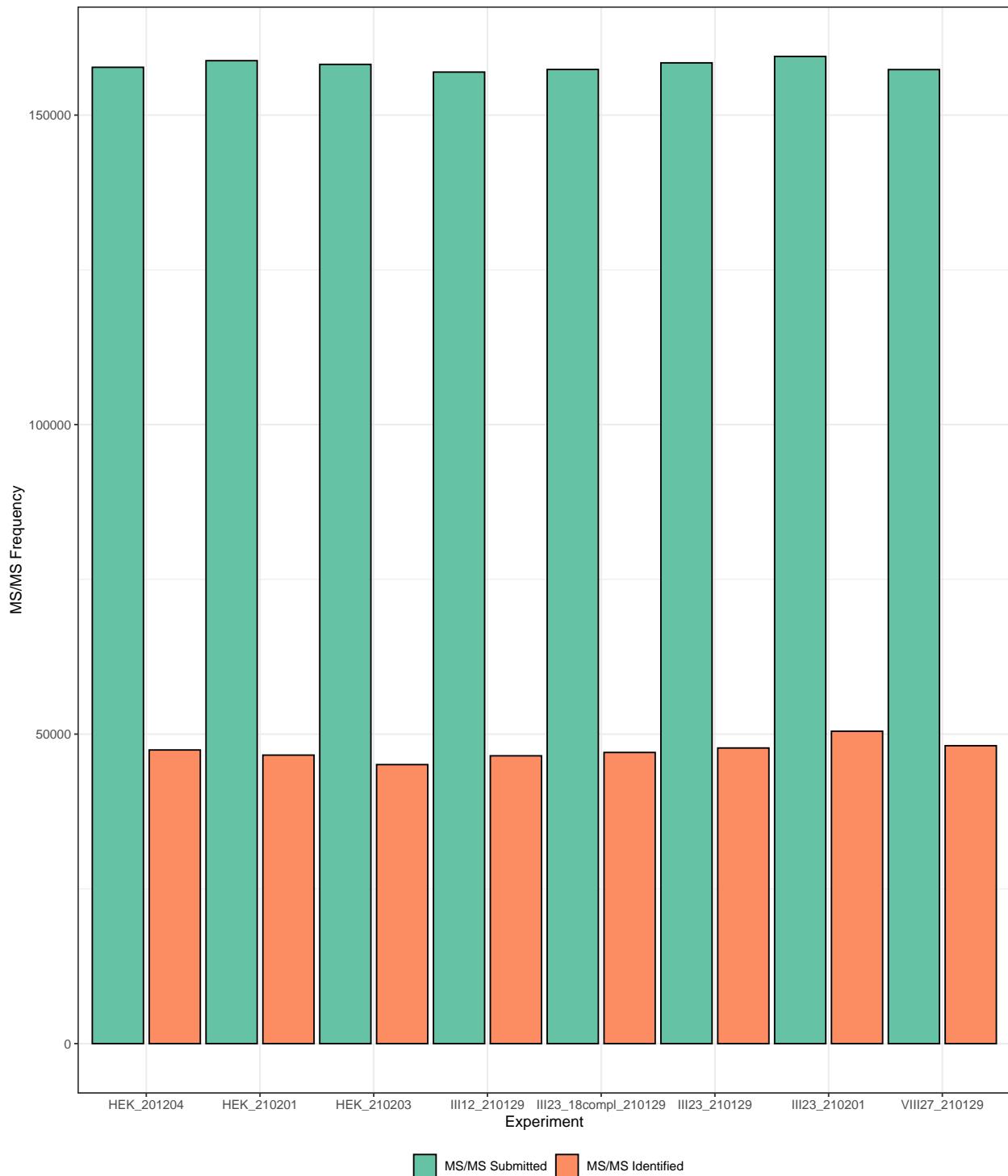




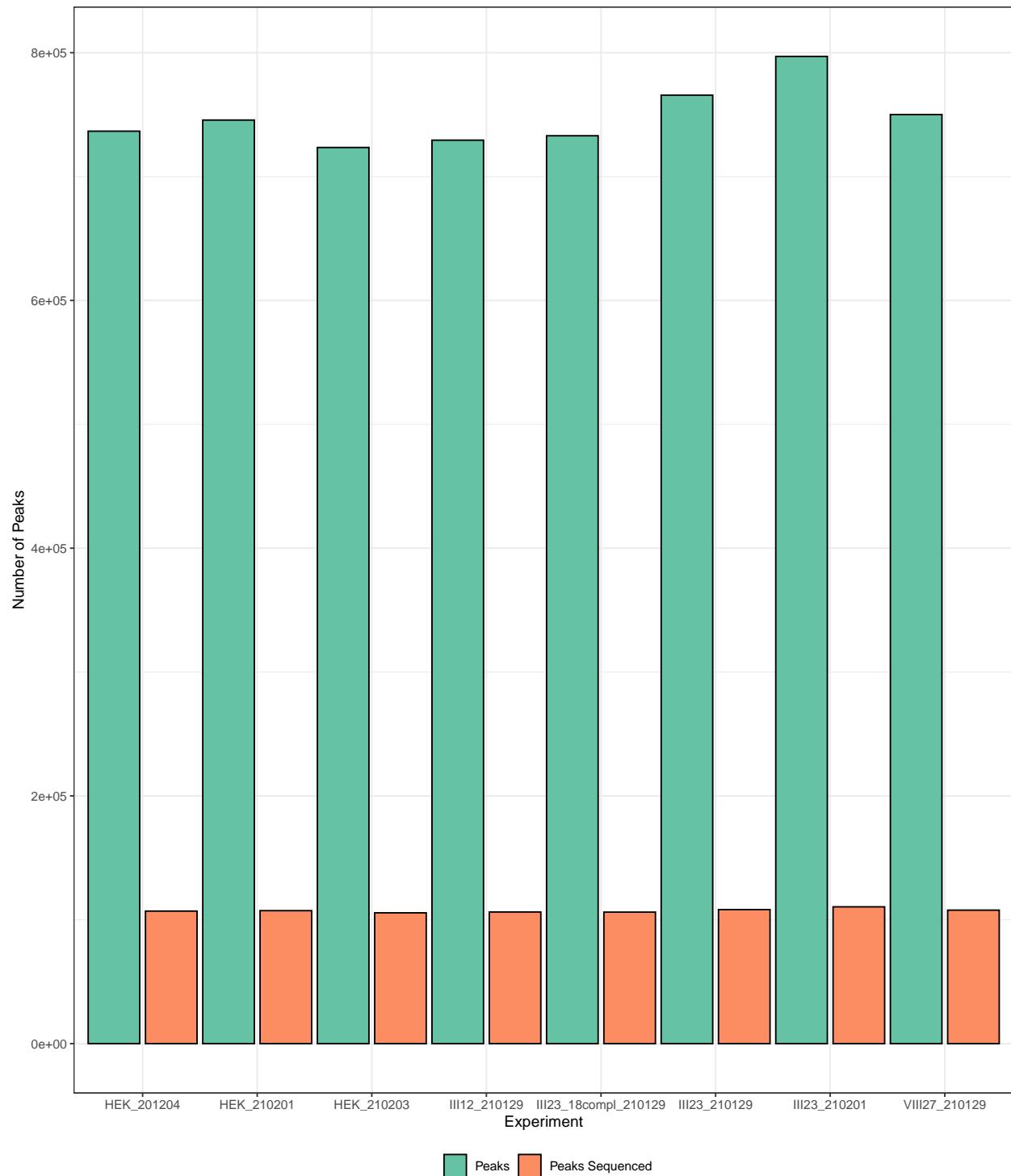
Proteins vs Peptide/Protein ratio based on Intensity



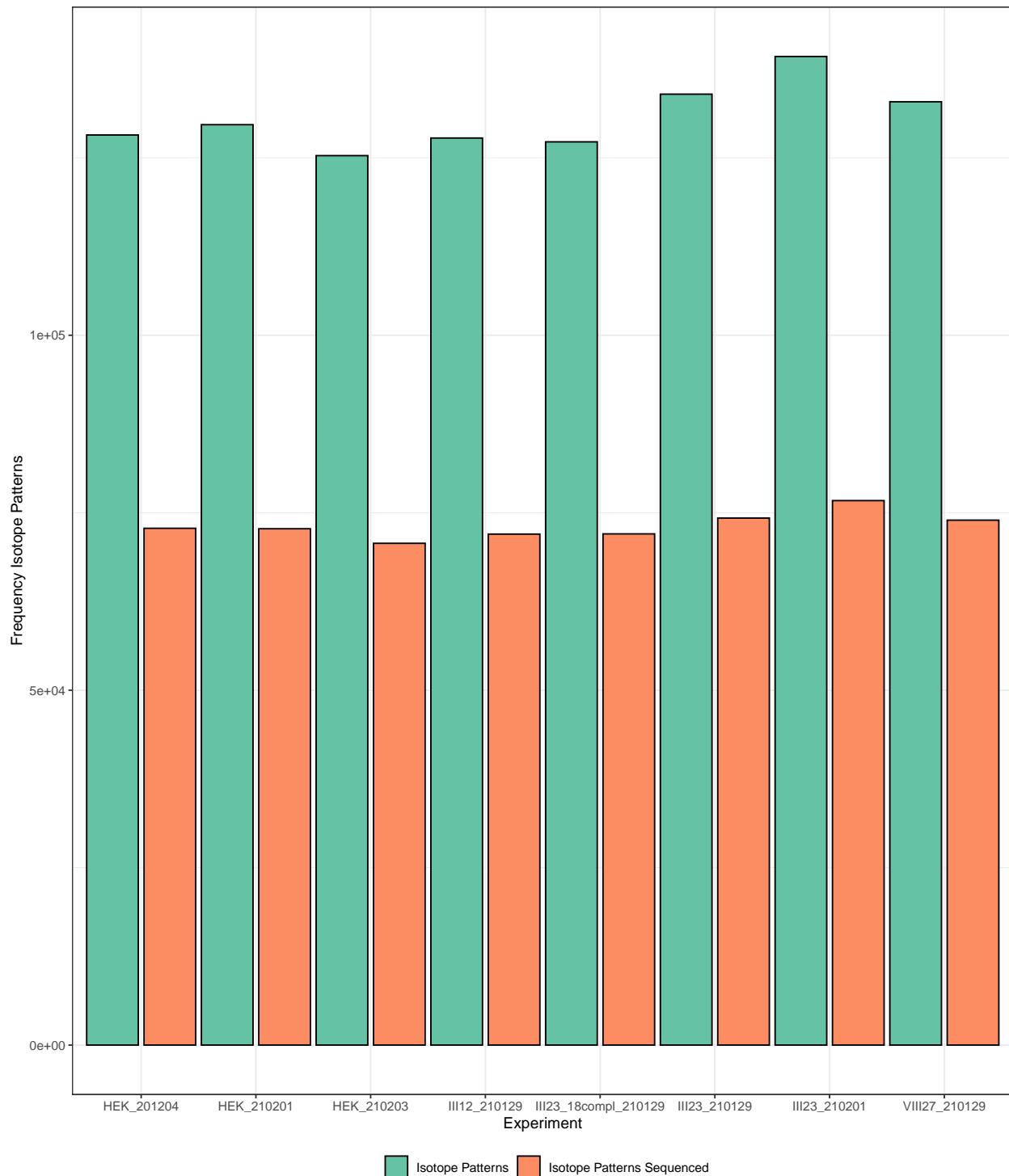
### MS/MS Submitted and Identified



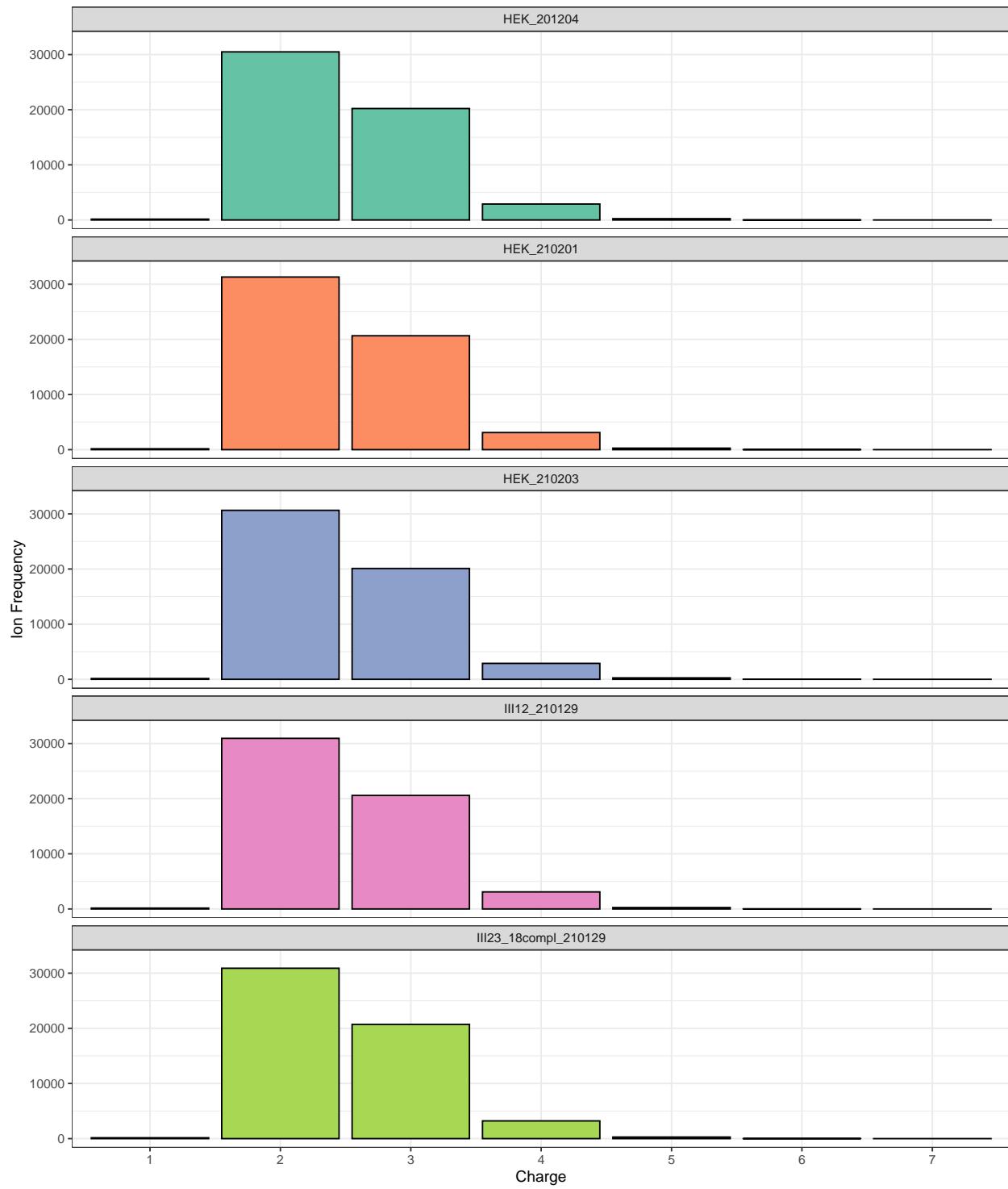
Peaks detected and sequenced in the full scans



### Isotope Patterns detected and sequenced



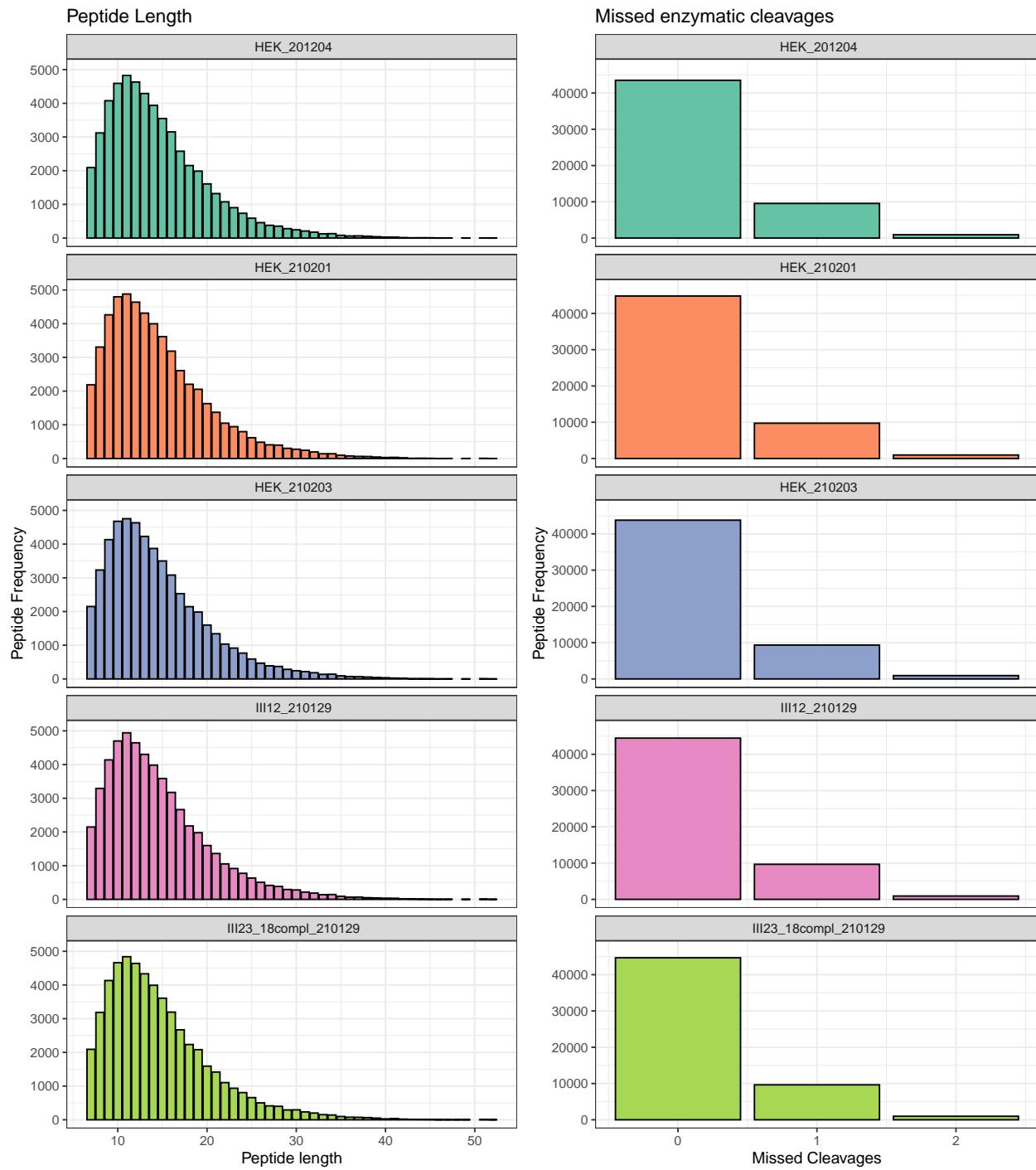
The charge-state of the precursor ion.



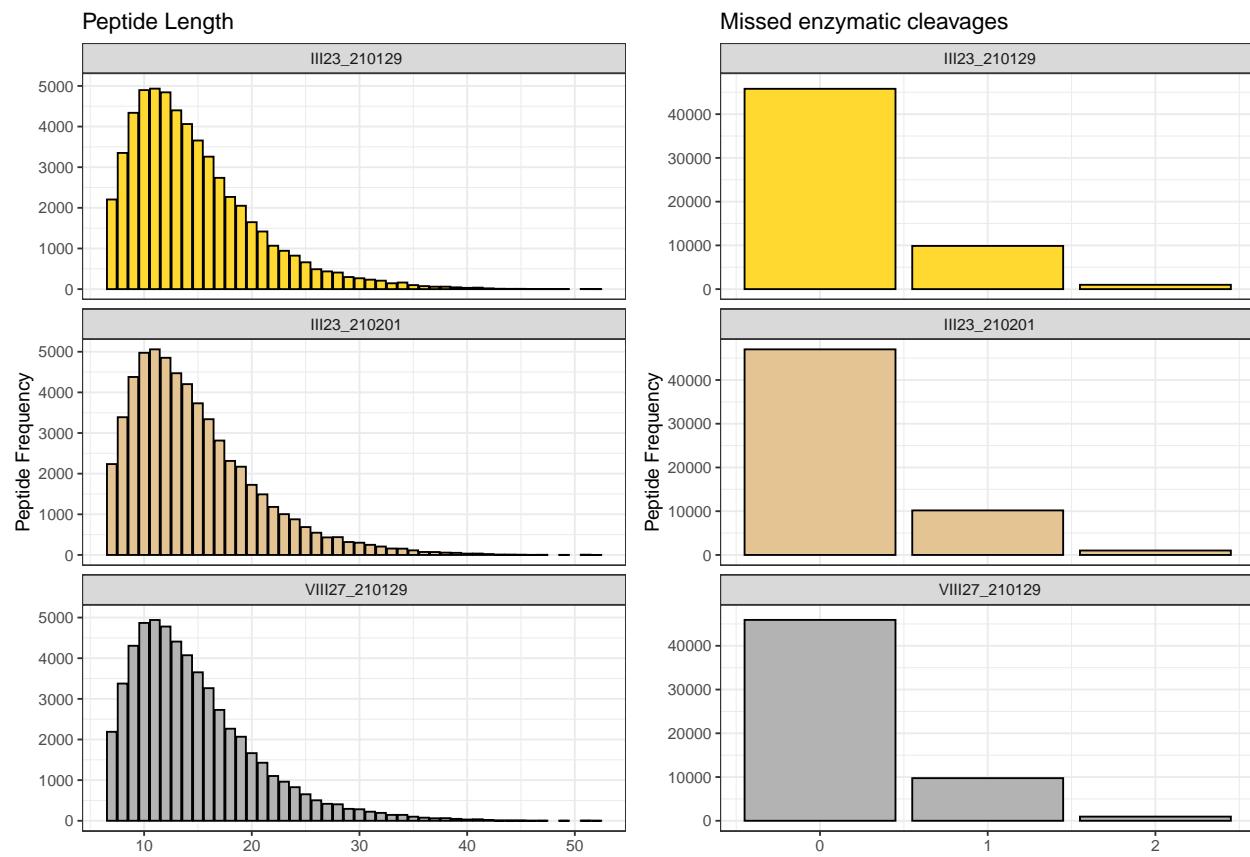
The charge-state of the precursor ion.



## Protease Specificity

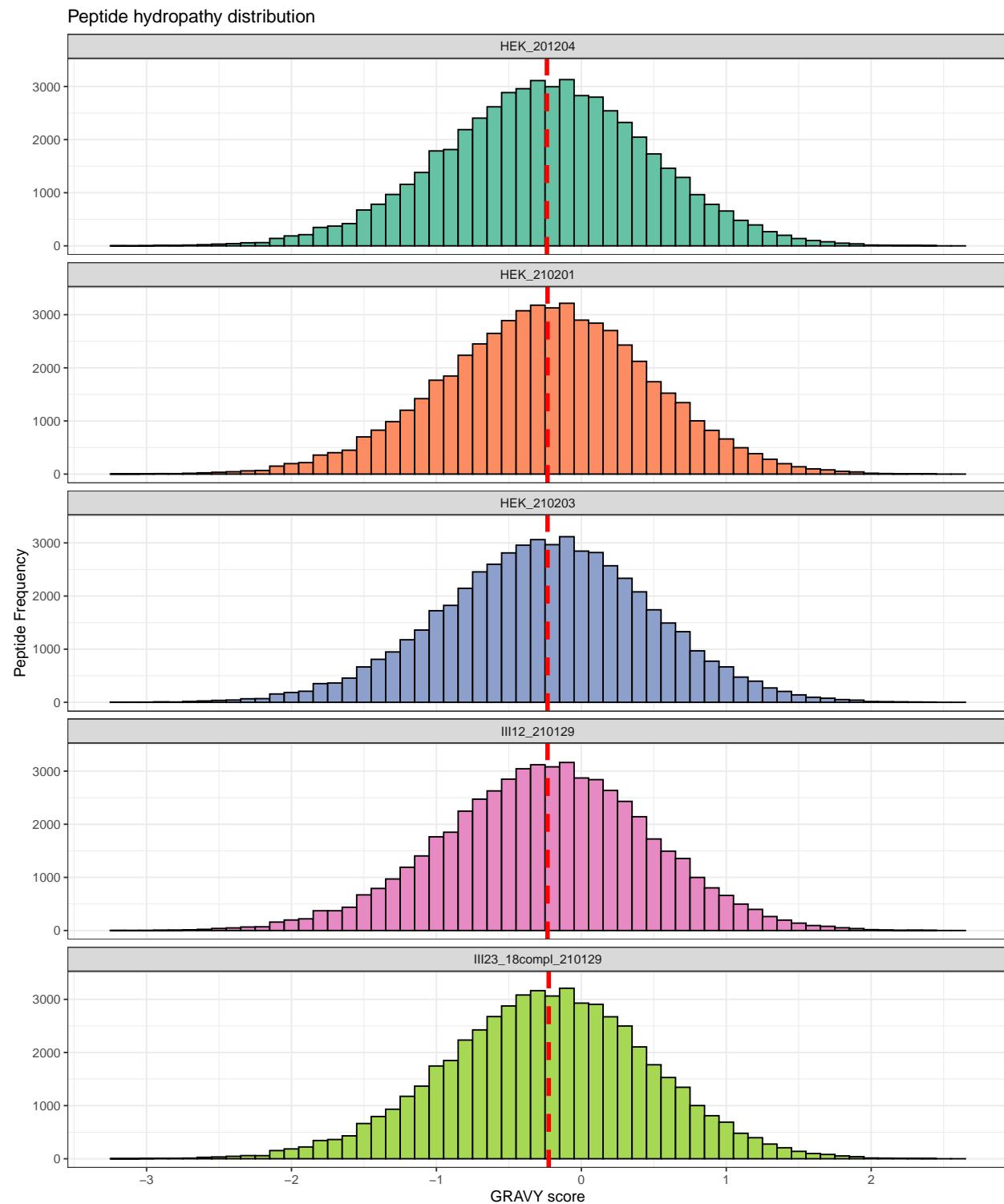


## Protease Specificity

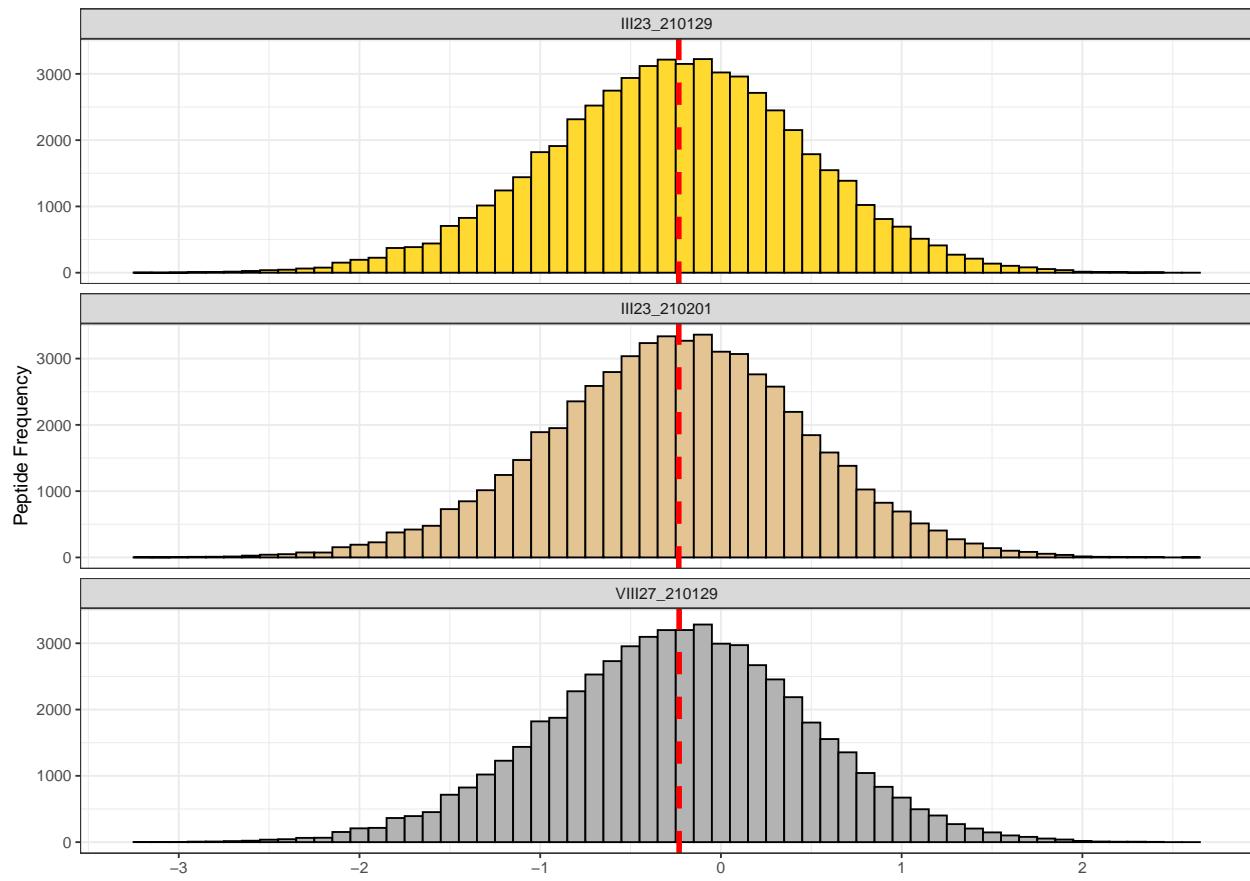


### Peptide length

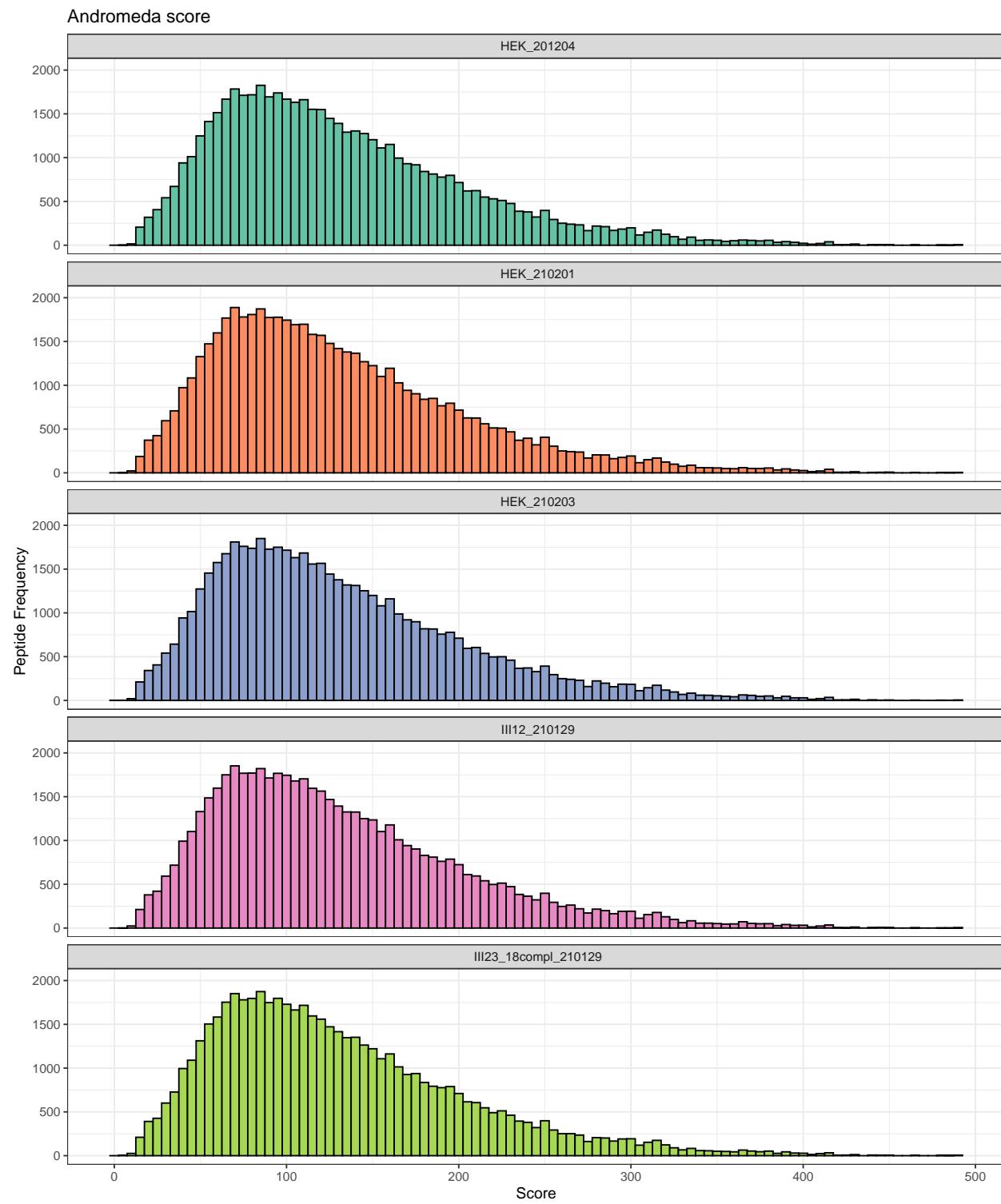
## Missed Cleavages

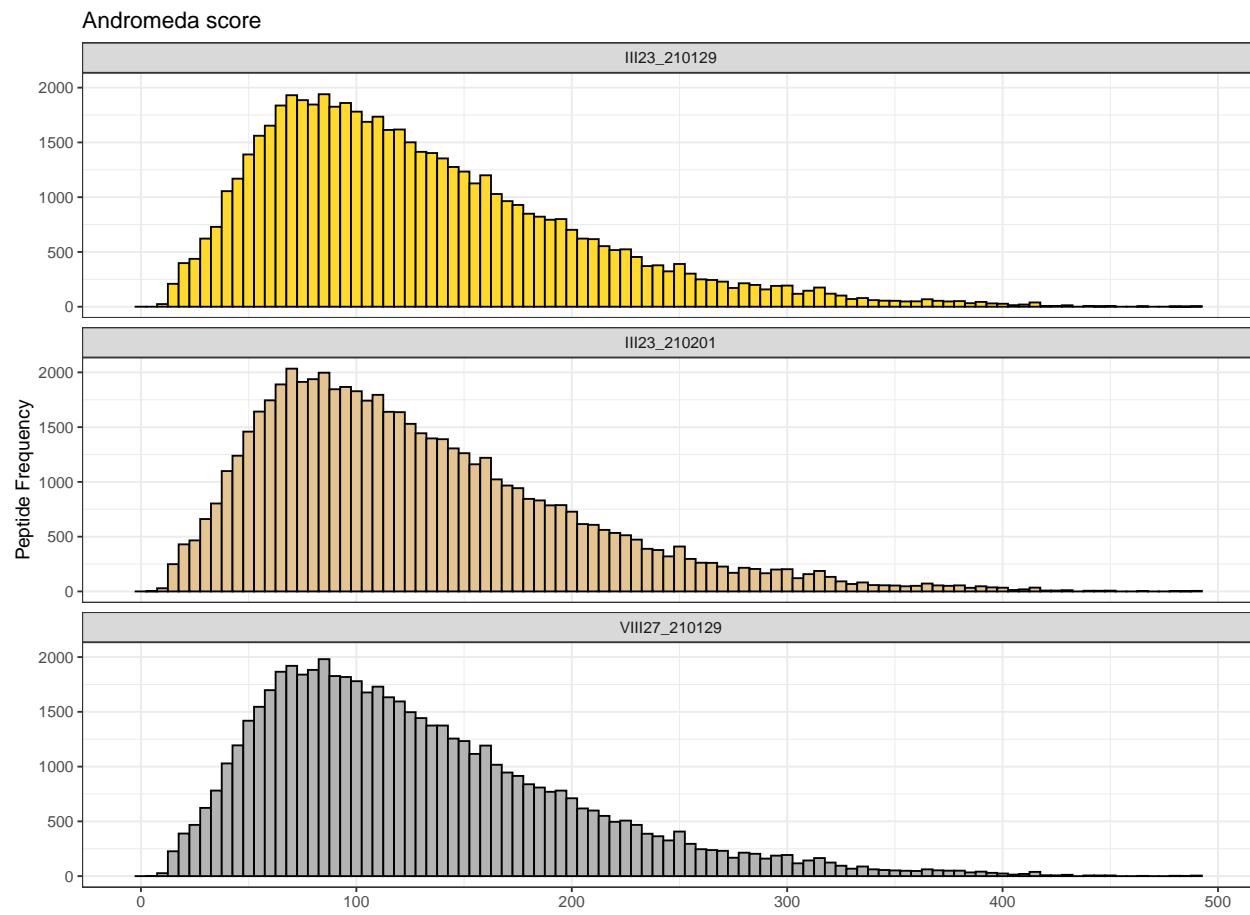


### Peptide hydrophathy distribution

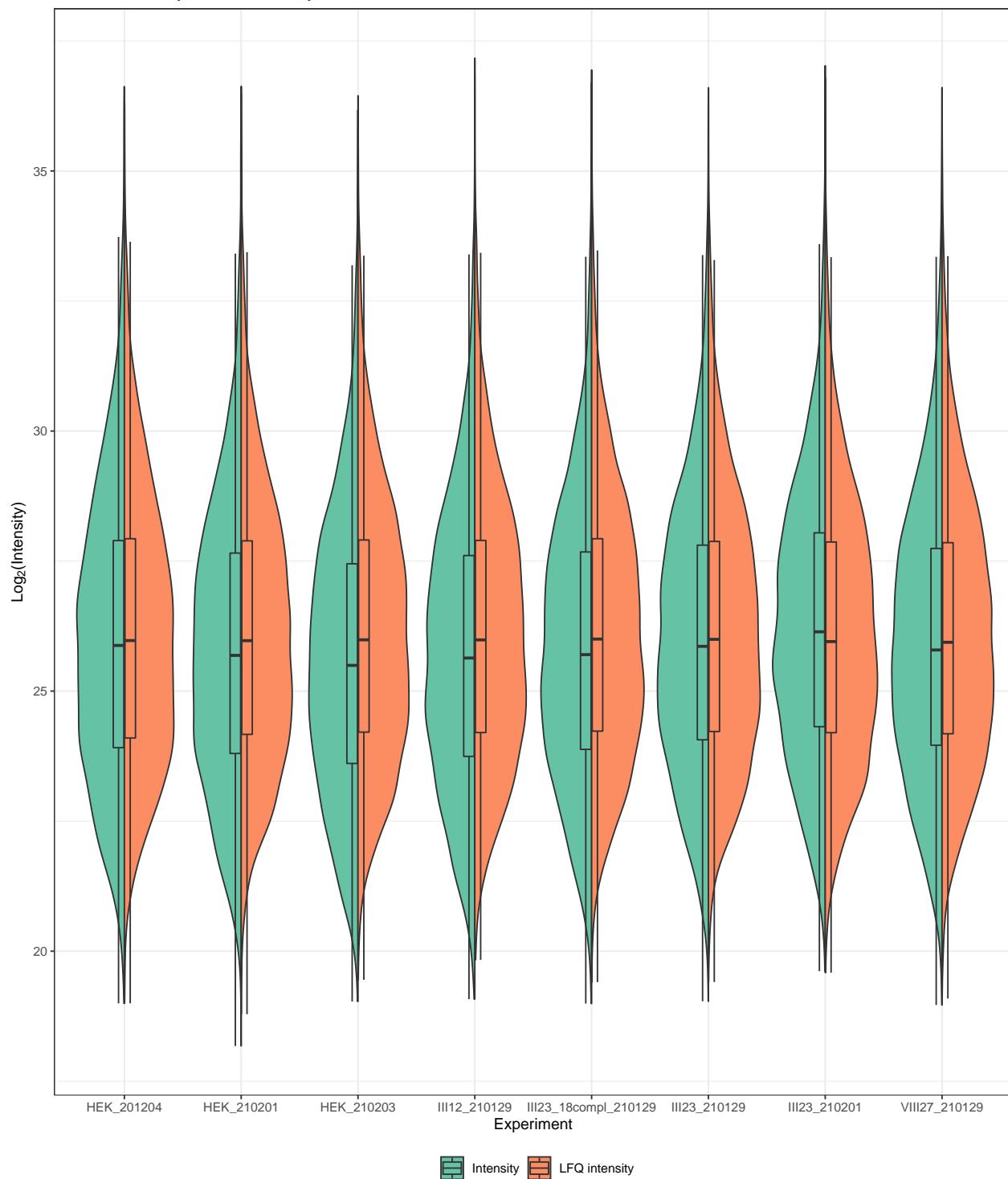


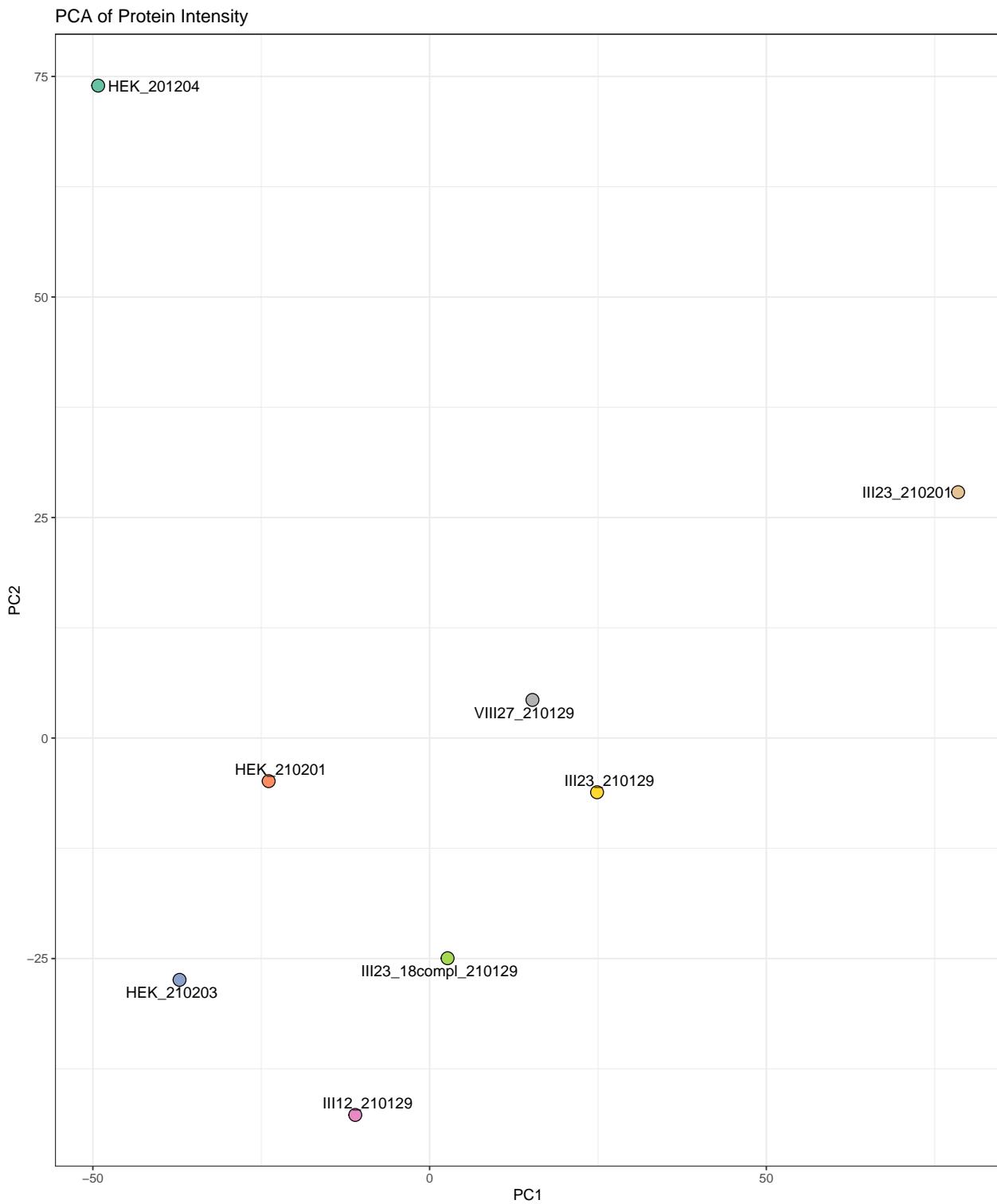
GRAVY score

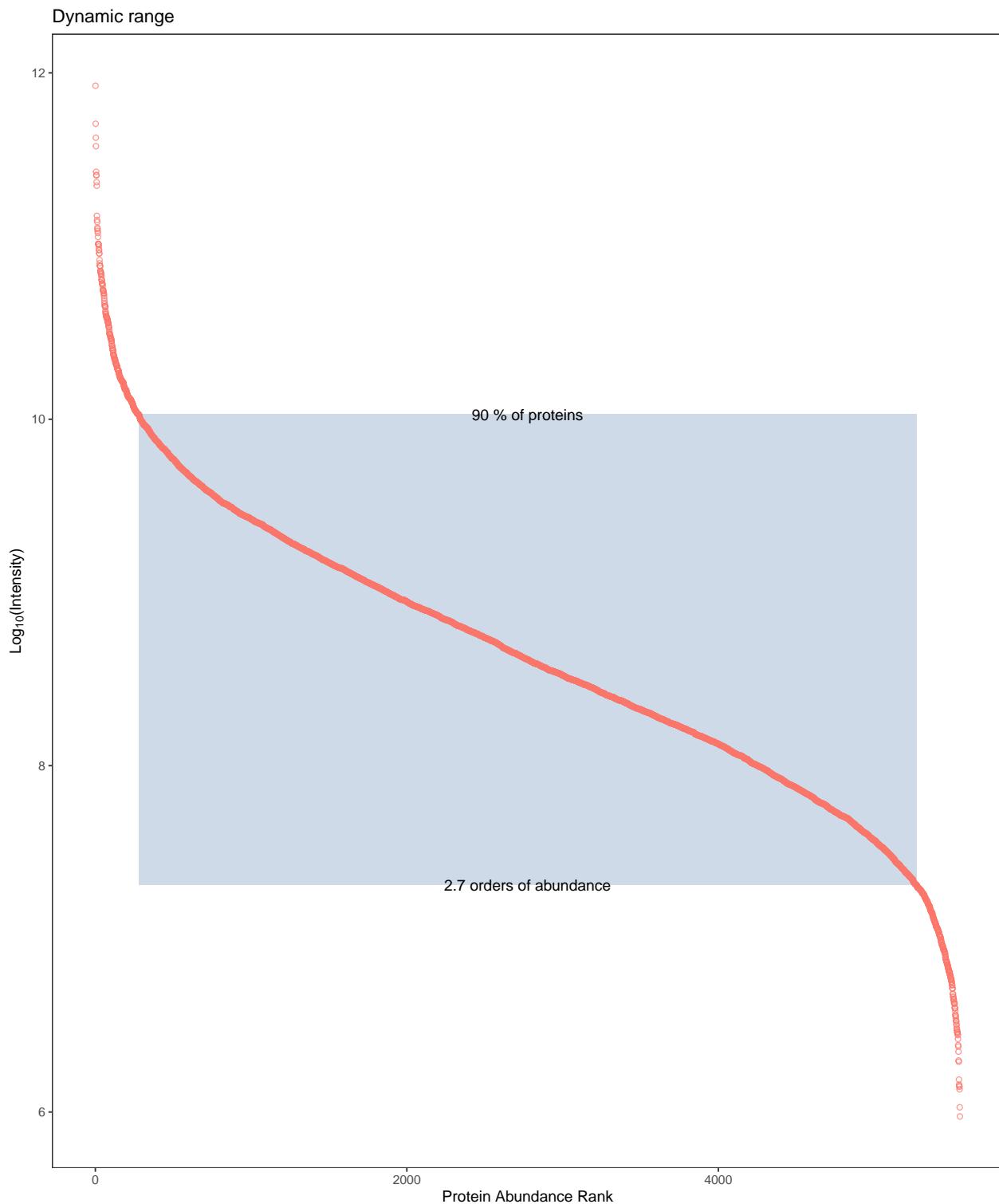


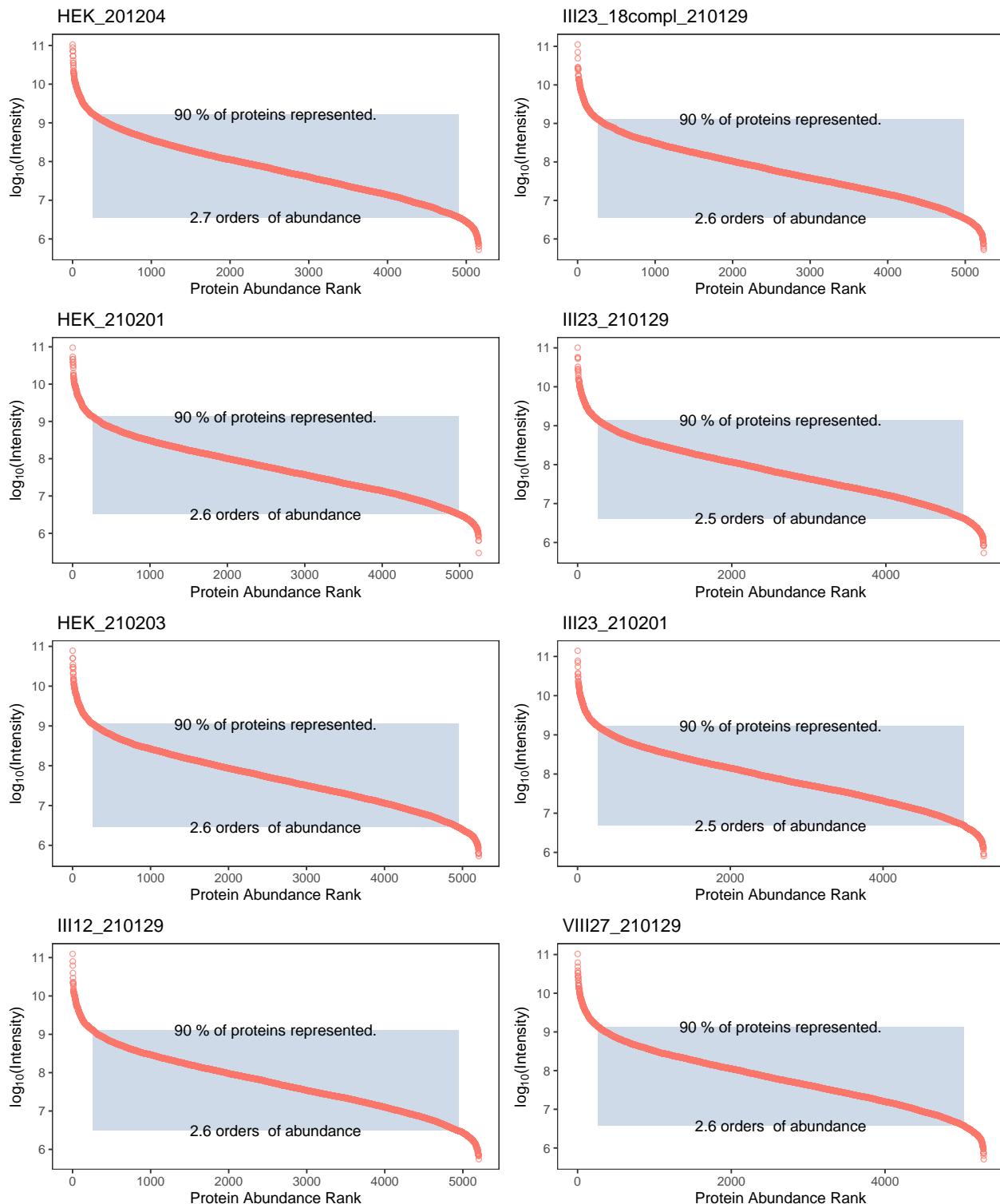


### Protein Intensity & LFQ intensity







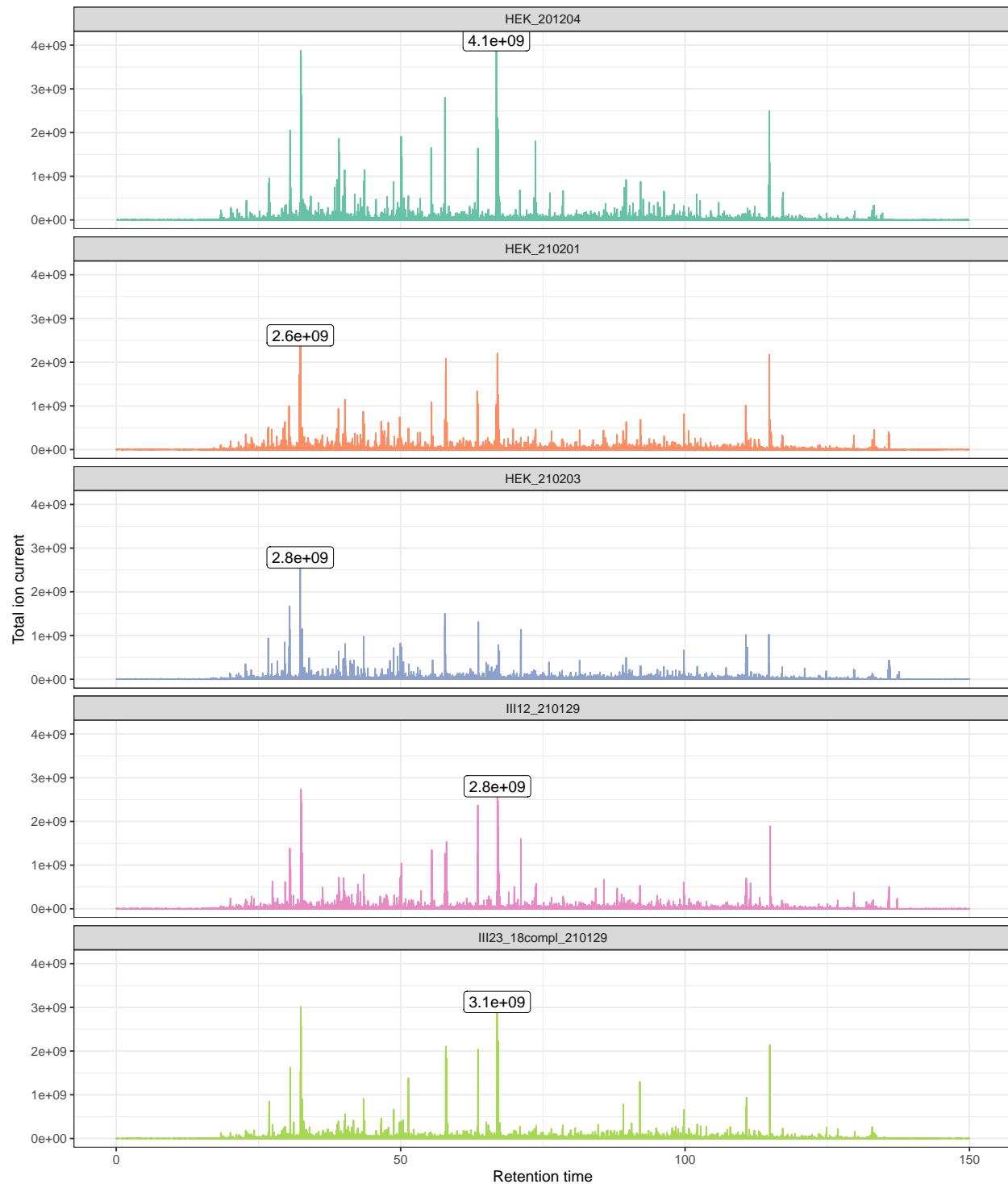


```
Error in grepl(UniprotID, table_peptides$Proteins): invalid 'pattern' argument  
[1] "No UniprotID provided."
```

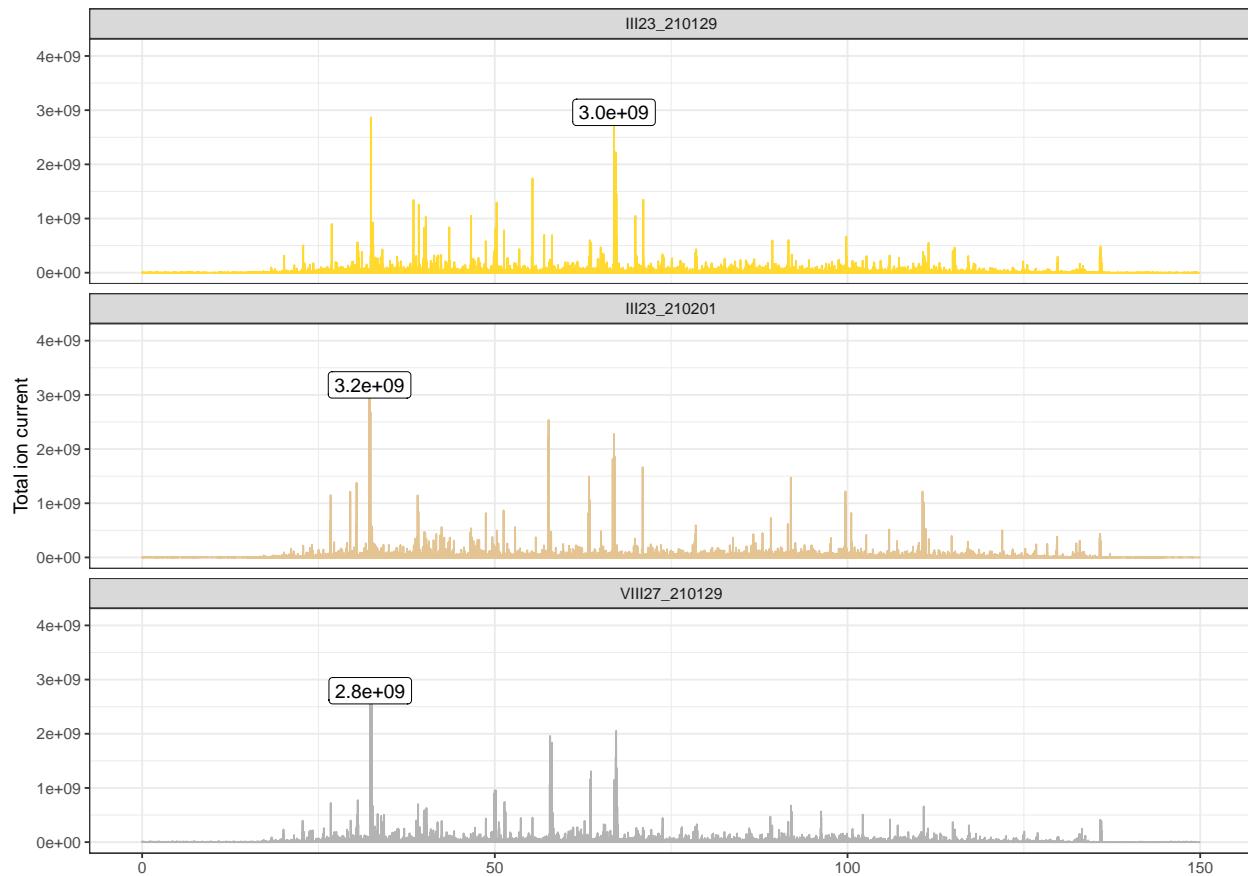
```
[1] "iRT peptides not found"
```

```
[1] "iRT peptides not found"
```

### Total Ion Current

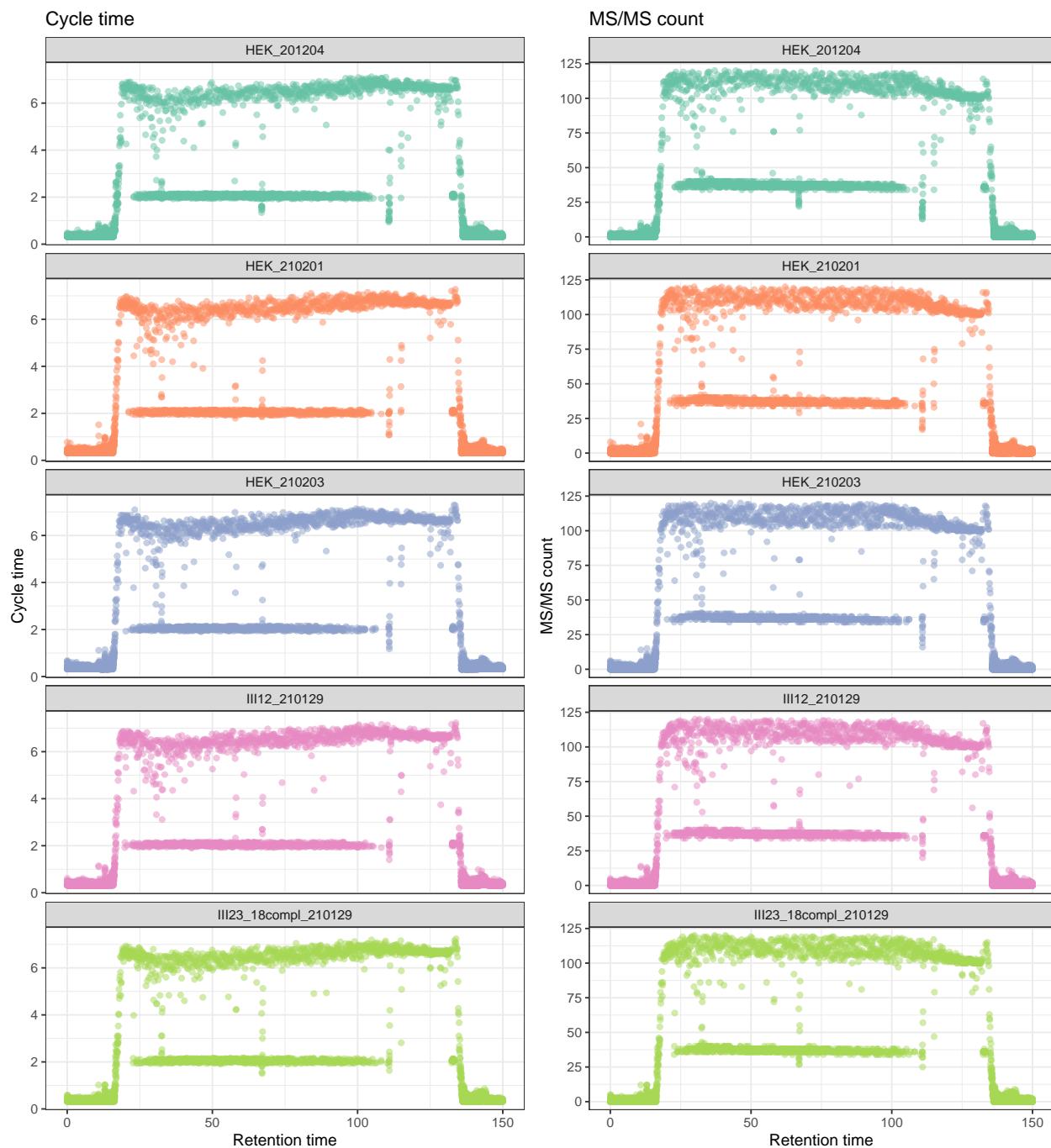


### Total Ion Current

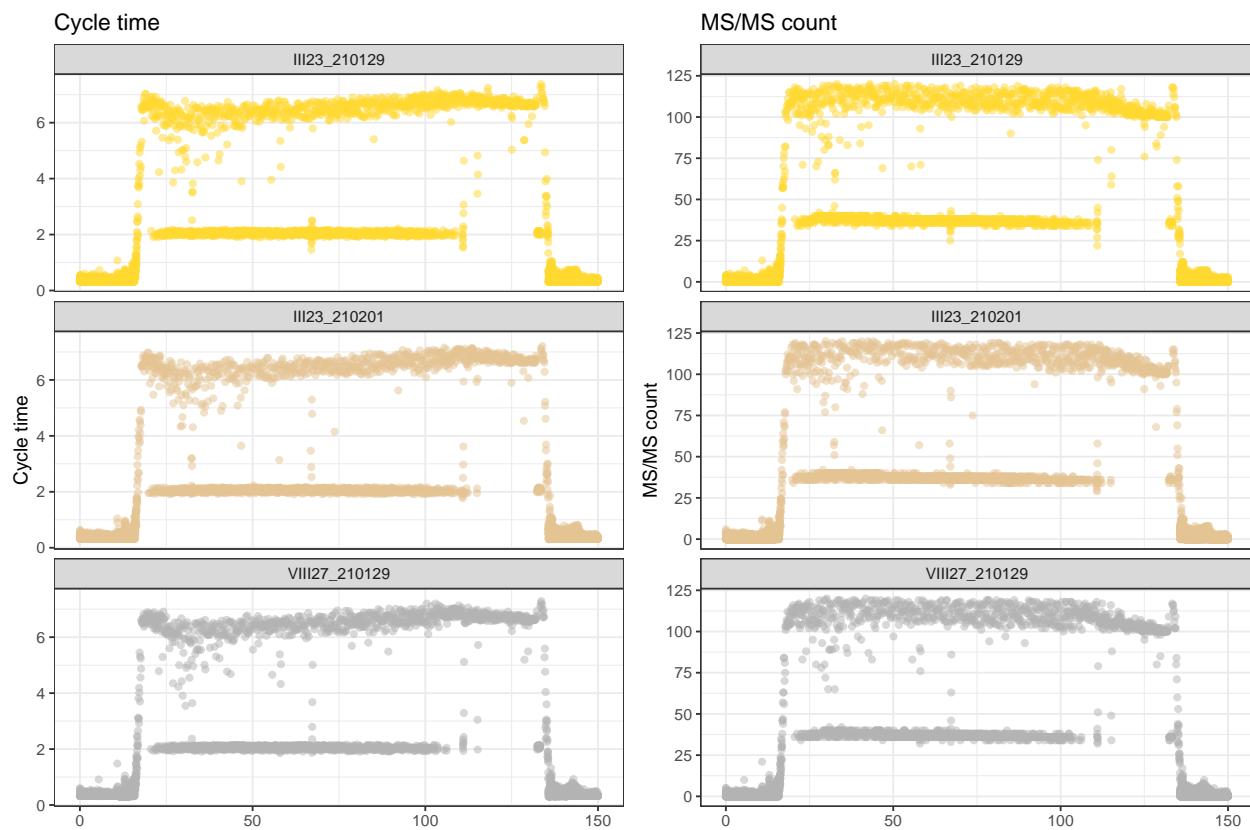


Retention time

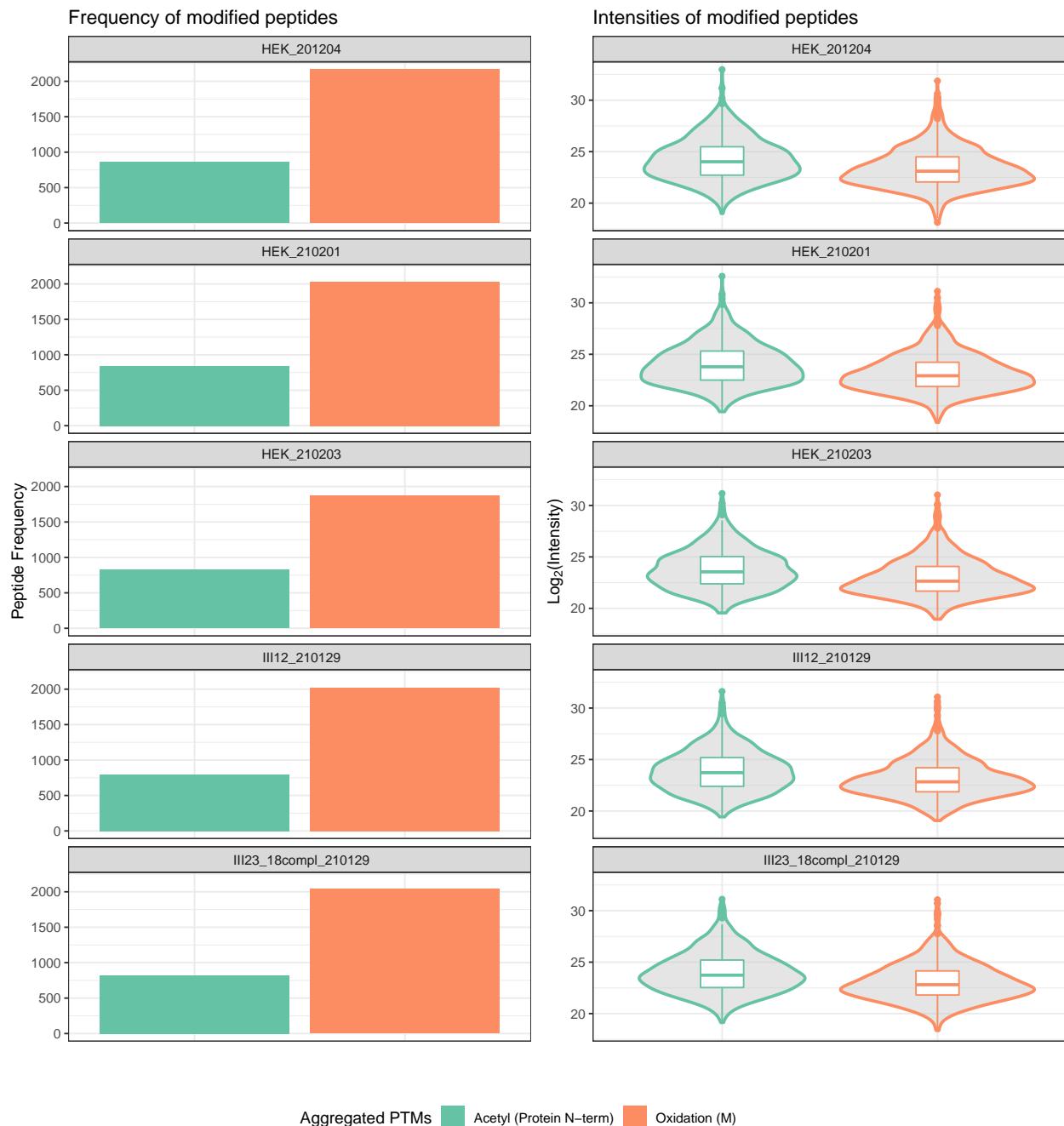
### Acquisition Cycle Parameters



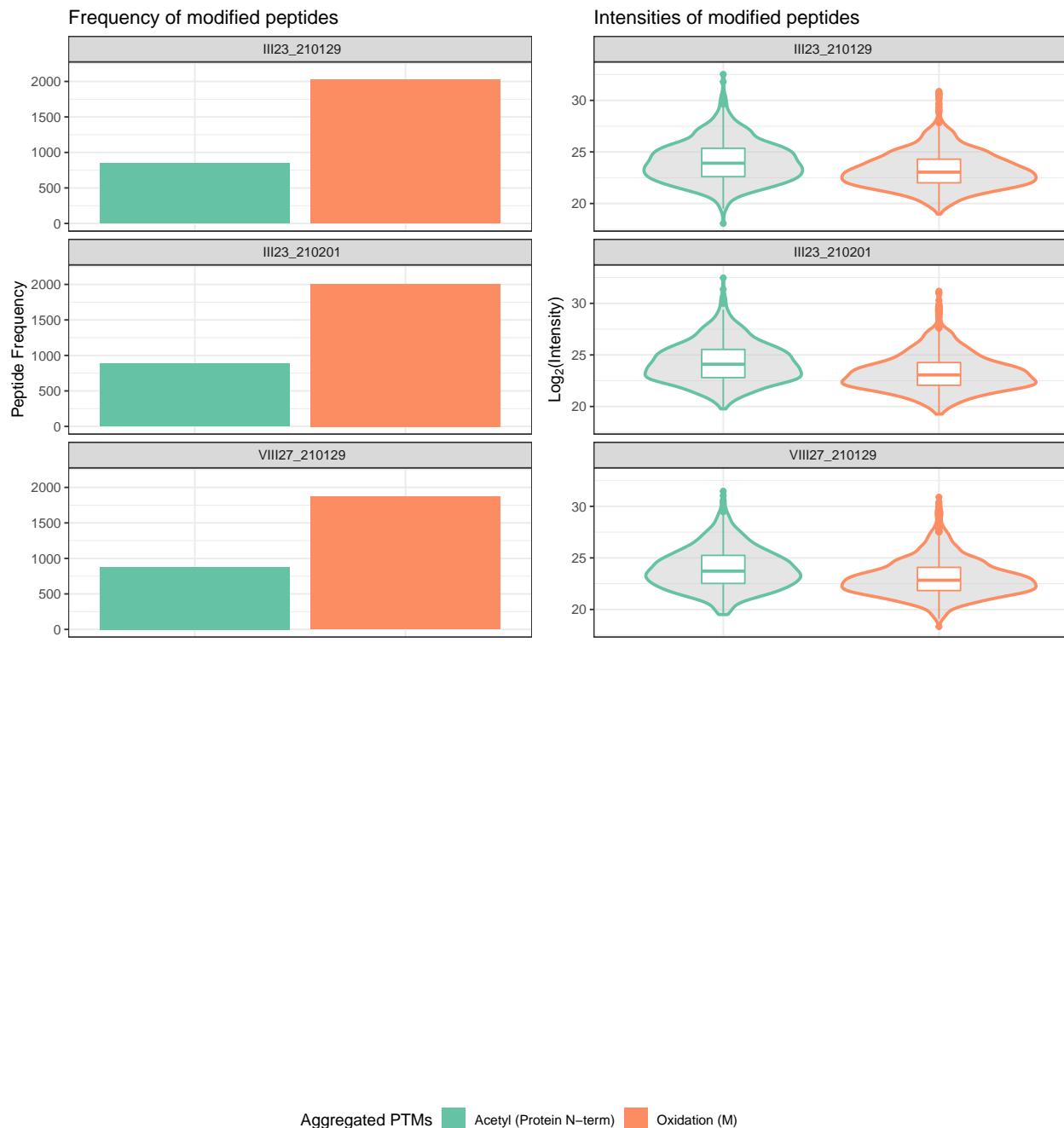
### Acquisition Cycle Parameters



## Post-Translational Modifications



## Post-Translational Modifications



Intensities of peptides with: Oxidation (M)

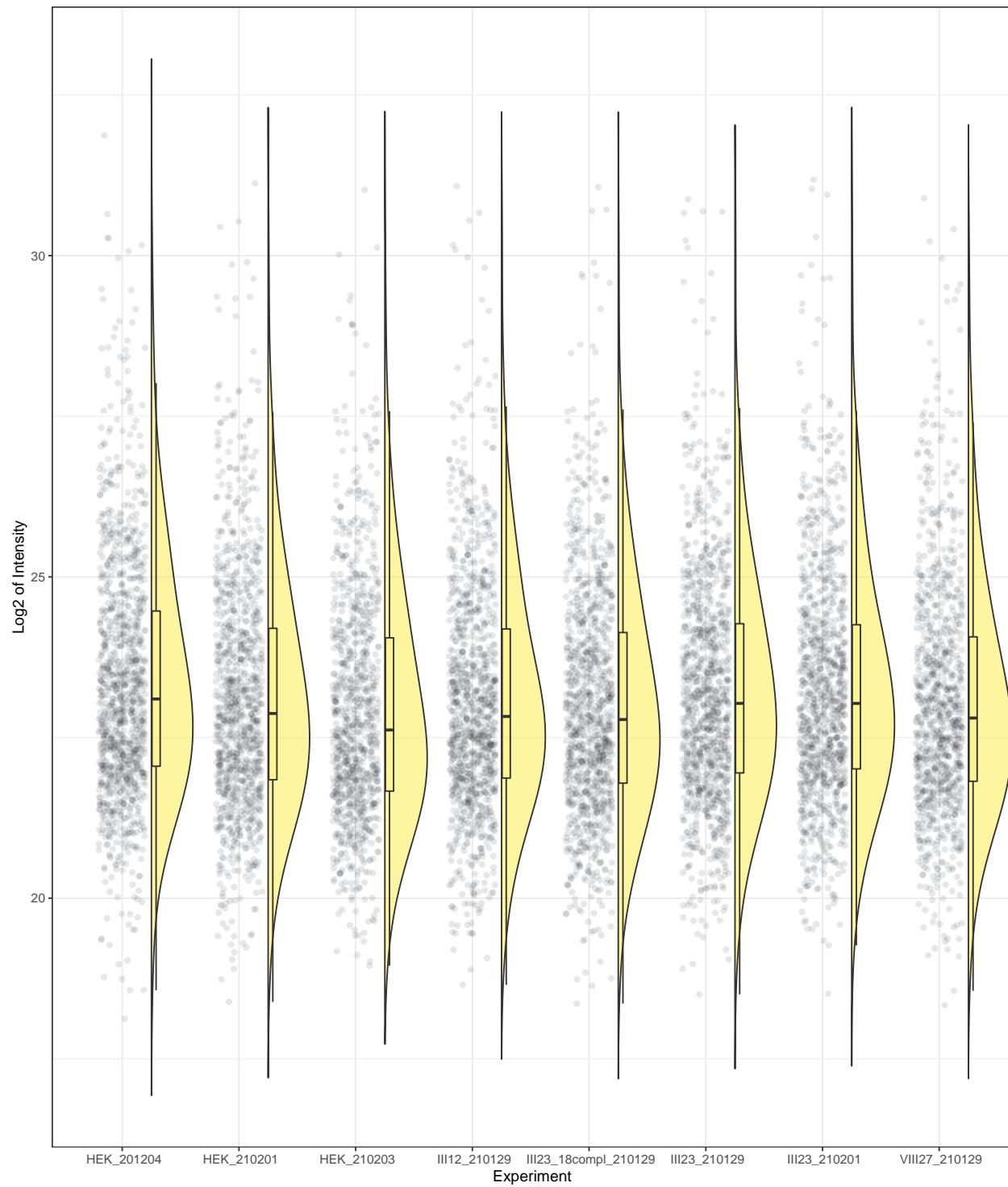


Table 1: Protein Information

Experiment	Proteins Identified	Missing values	Potential contaminants	ReverseOnly identified by site	Peptide Sequences Identified	Peptides/Proteins
Combined Samples	5722	NA	71	65	28	58090
HEK_201204	5275	447	58	50	15	34183
HEK_210201	5360	362	55	48	17	34592
HEK_210203	5329	393	63	51	15	33825
III12_210129	5323	399	59	51	17	34473
III23_18compl_210129	5323	371	54	49	17	34802
III23_210129	5388	334	60	50	15	35933
III23_210201	5444	278	63	52	18	37795
VIII27_210129	5406	316	66	46	17	36507

Table 2: Information of: Log2 Intensity

Experiment	mean	sd	median	min	max	n
HEK_201204	28.97	31.53	25.86	19.00	36.62	5275
HEK_210201	28.60	31.11	25.67	18.18	36.47	5360
HEK_210203	28.39	30.88	25.48	19.03	36.17	5329
III12_210129	28.56	31.29	25.62	19.08	36.86	5323
III23_18compl_210129	28.59	31.17	25.69	18.99	36.70	5351
III23_210129	28.67	31.15	25.85	19.04	36.56	5388
III23_210201	28.93	31.49	26.12	19.62	37.02	5444
VIII27_210129	28.65	31.15	25.78	18.96	36.59	5406

Table 3: Charge Information

Experiment	1	2	3	4	5	6	7
HEK_201204	0.3	56.5	37.4	5.4	0.4	0.0	0.0
HEK_210201	0.3	56.4	37.2	5.6	0.5	0.0	0.0
HEK_210203	0.3	56.7	37.2	5.3	0.5	0.0	0.0
III12_210129	0.3	56.2	37.4	5.6	0.5	0.0	0.0
III23_18compl_210129	0.3	55.9	37.5	5.8	0.5	0.0	0.0
III23_210129	0.3	56.4	37.2	5.6	0.5	0.0	0.0
III23_210201	0.3	56.0	37.5	5.8	0.5	0.0	0.0
VIII27_210129	0.3	56.4	37.1	5.7	0.5	0.0	0.0

Table 4: Peptide hydrophobicity (GRAVY)

Experiment	Mean	Max	Min	Median
HEK_201204	-0.24	2.44	-3.19	-0.24
HEK_210201	-0.24	2.44	-3.19	-0.23
HEK_210203	-0.24	2.44	-3.19	-0.23
III12_210129	-0.24	2.44	-3.19	-0.23
III23_18compl_210129	-0.24	2.44	-3.19	-0.23
III23_210129	-0.24	2.44	-3.19	-0.23

Experiment	Mean	Max	Min	Median
III23_210201	-0.25	2.57	-3.19	-0.23
VIII27_210129	-0.24	2.43	-3.19	-0.23

Table 5: Missed Enzymatic Cleavages

Experiment	0	1	2
HEK_201204	43508	9558	922
HEK_210201	44800	9736	962
HEK_210203	43773	9344	918
III12_210129	44453	9667	915
III23_18compl_210129	44665	9639	973
III23_210129	45796	9879	986
III23_210201	47006	10180	1013
VIII27_210129	45924	9748	953

Table 6: Protein Identification Overlap Between Samples

samples	Freq
1	35
2	46
3	58
4	82
5	134
6	161
7	322
8	4733