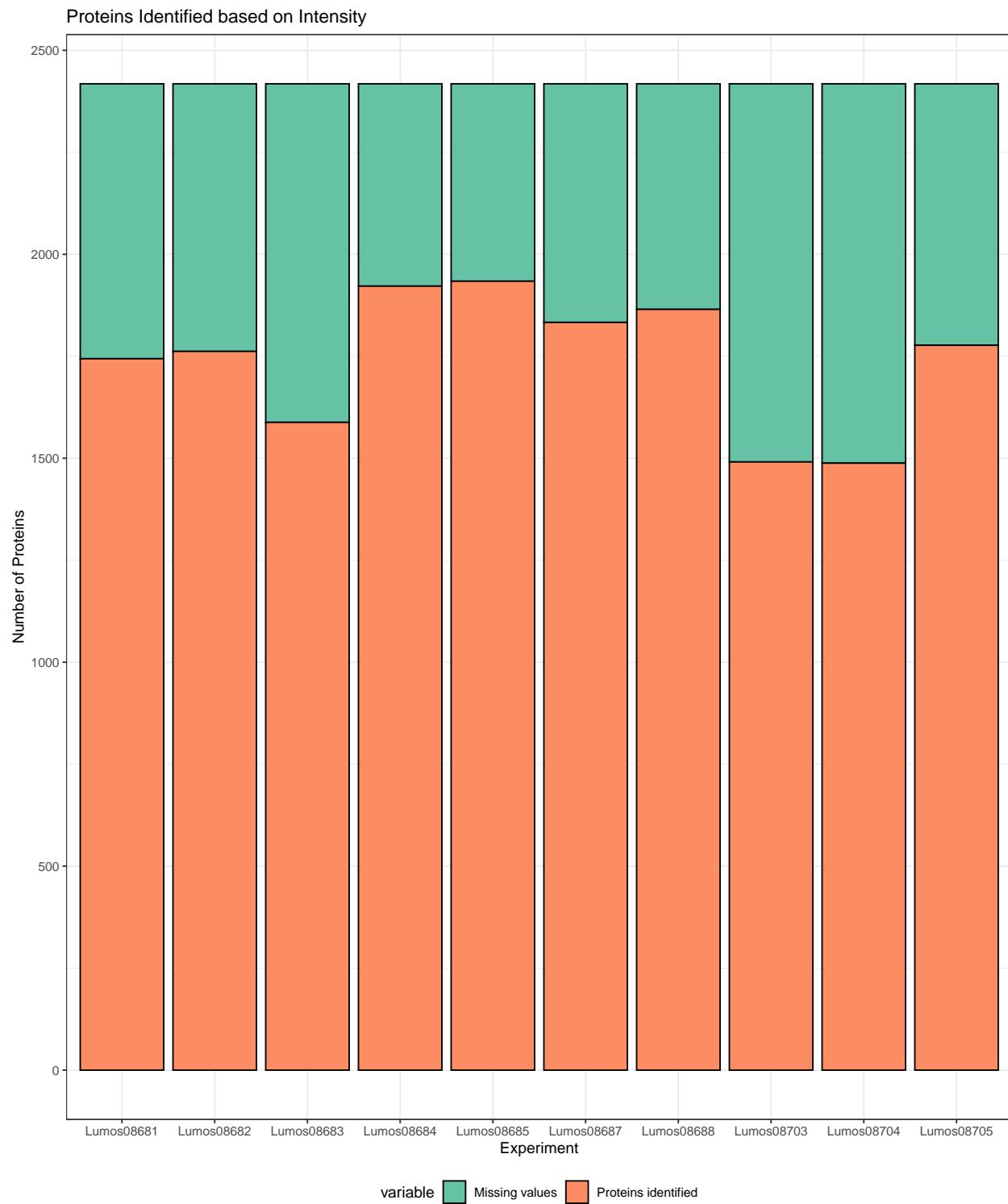
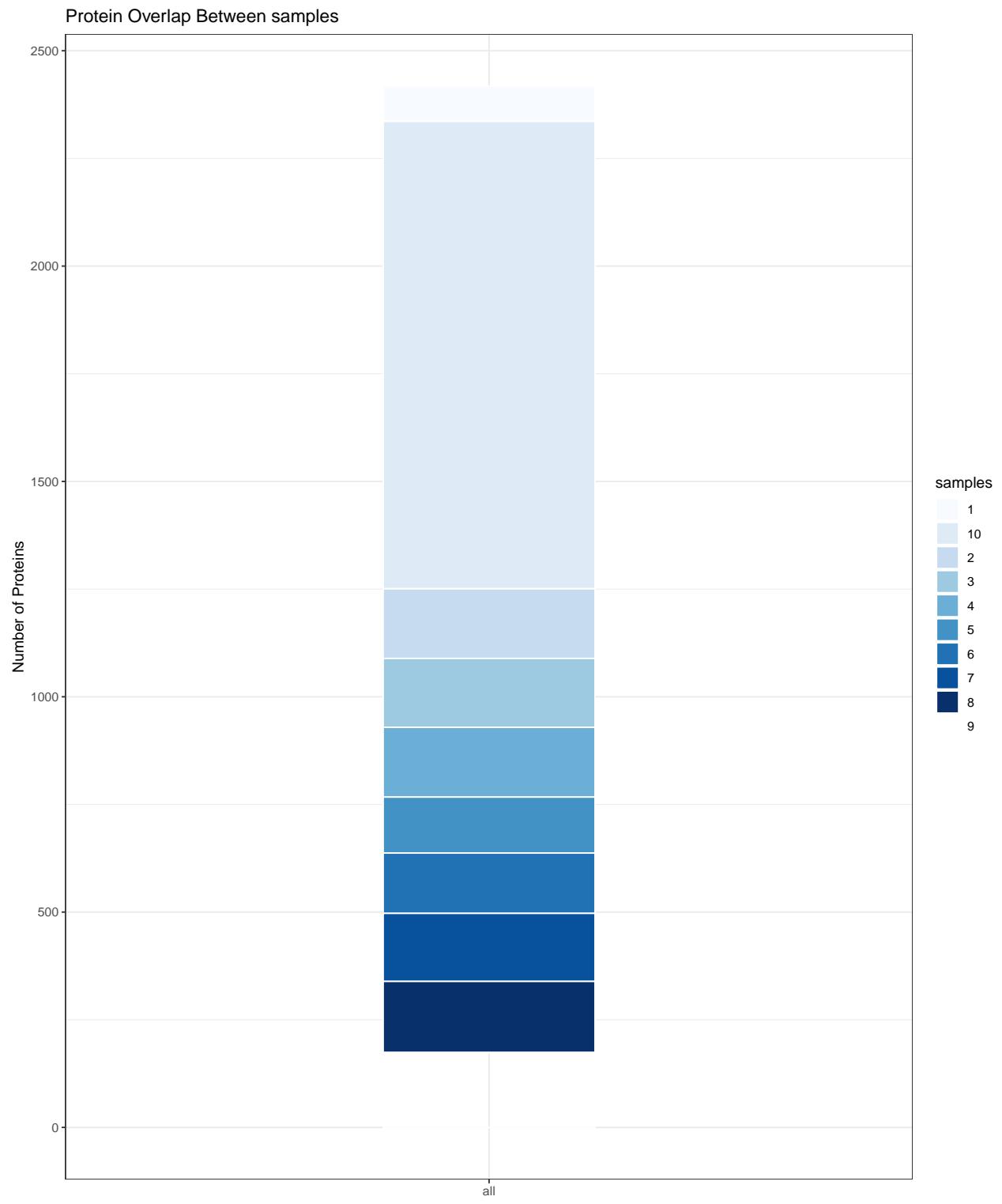


MQmetrics Report

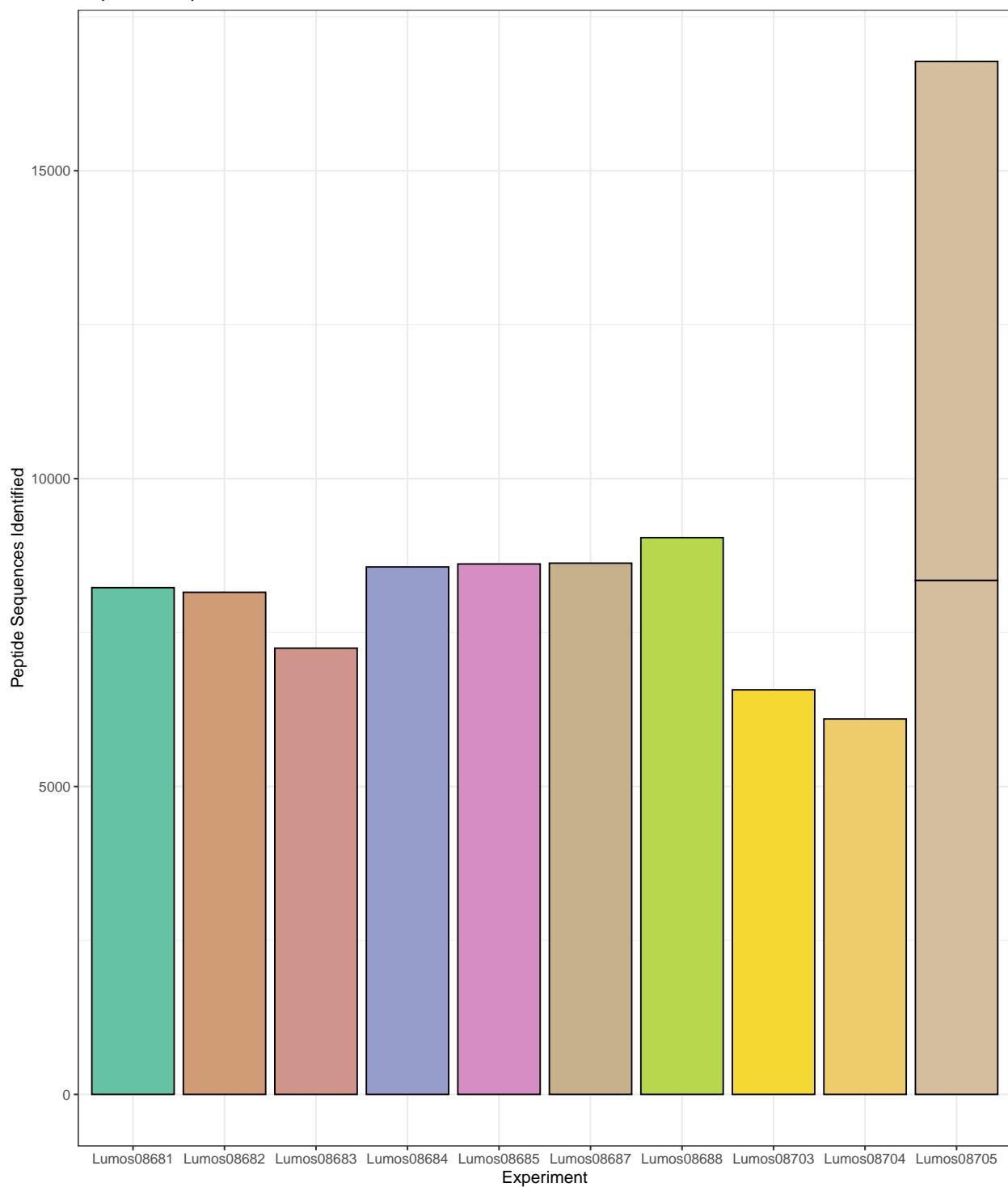
20 May, 2021

```
## [1] "The MaxQuant output directory is: /home/alvaro/Documents/MaxQuant/PXD019201/combined/"  
## [1] "The experiment started the day: 19/05/2021 at the time: 09:39:36."  
## [1] "The whole experiment lasted: 12:30 (hours:minutes)."  
## [1] "The MaxQuant version used was: 1.6.17.0"  
## [1] "The user was: alvaro.sanchez"  
## [1] "The machine name was: FGU045PC002"  
## [1] "The PSM FDR was: 0.01"  
## [1] "The protein FDR was: 0.01"  
## [1] "The match between runs was: False"  
## [1] "The fasta file used was: C:\\\\Users\\\\alvaro.sanchez\\\\Downloads\\\\iRT_peptides_Biognosys_irtfusion  
## [1] "The iBAQ presence is: False"  
## [1] "The PTM selected is/are: Oxidation (M);Acetyl (Protein N-term)"
```

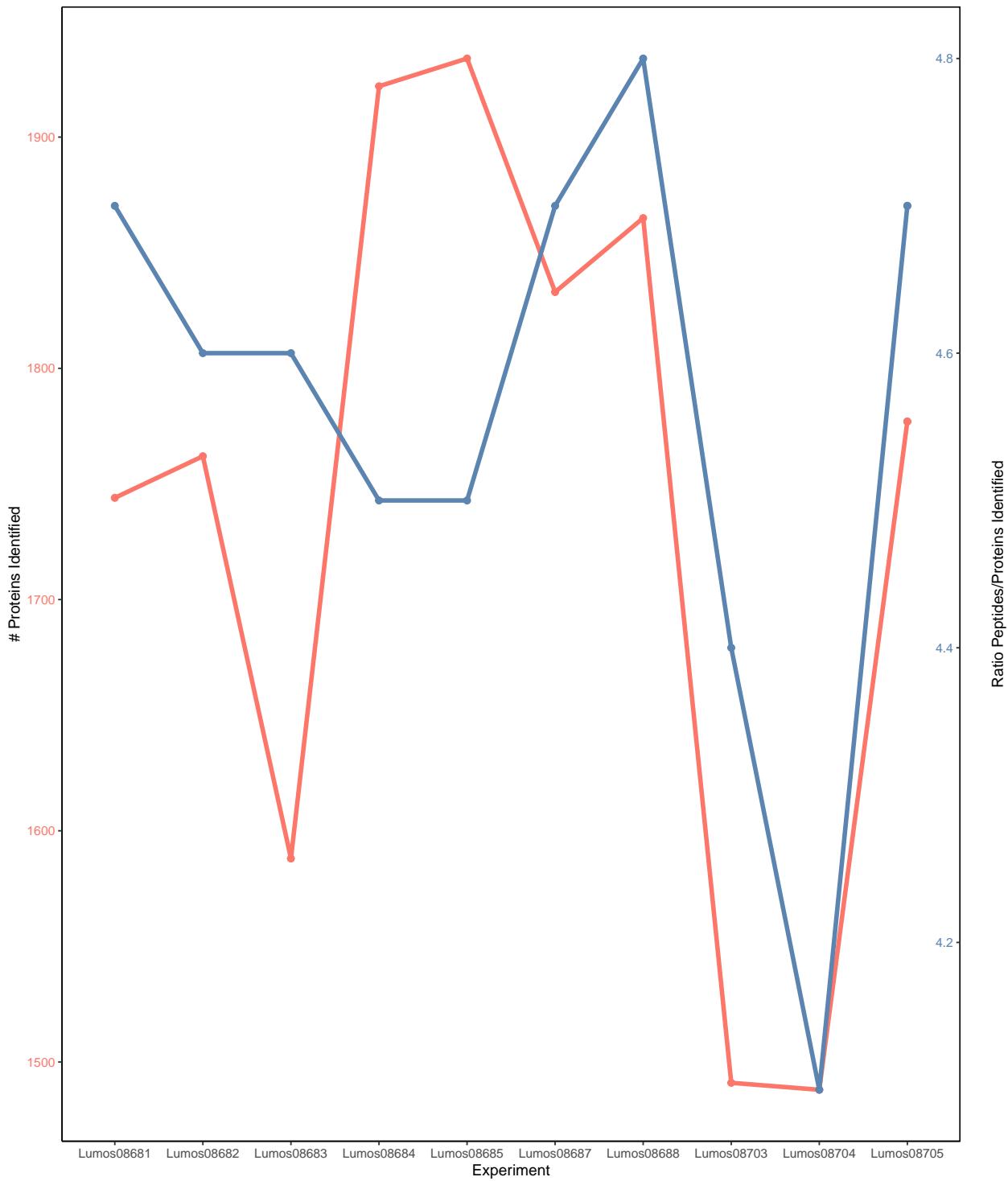




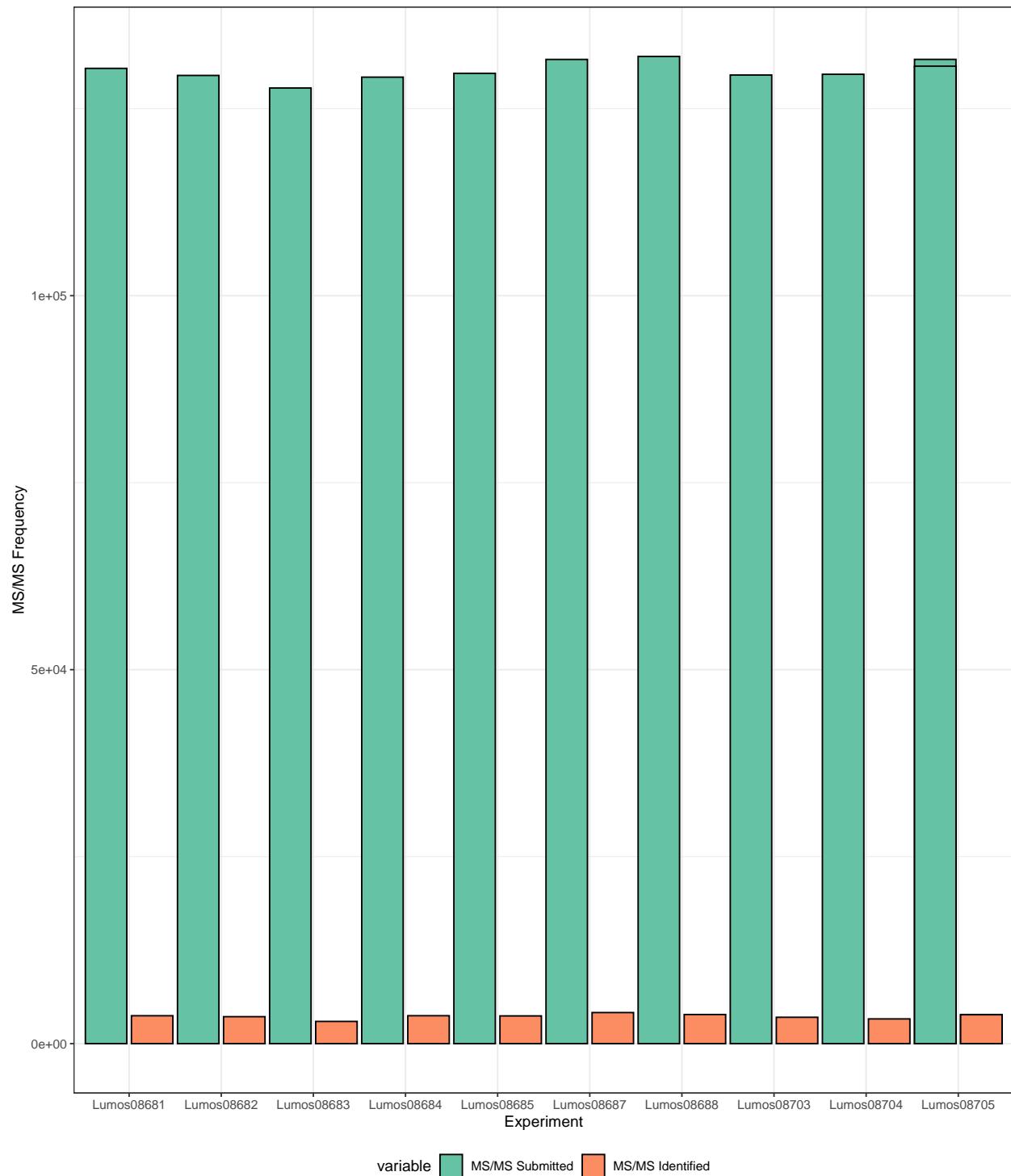
Peptides Sequences Identified



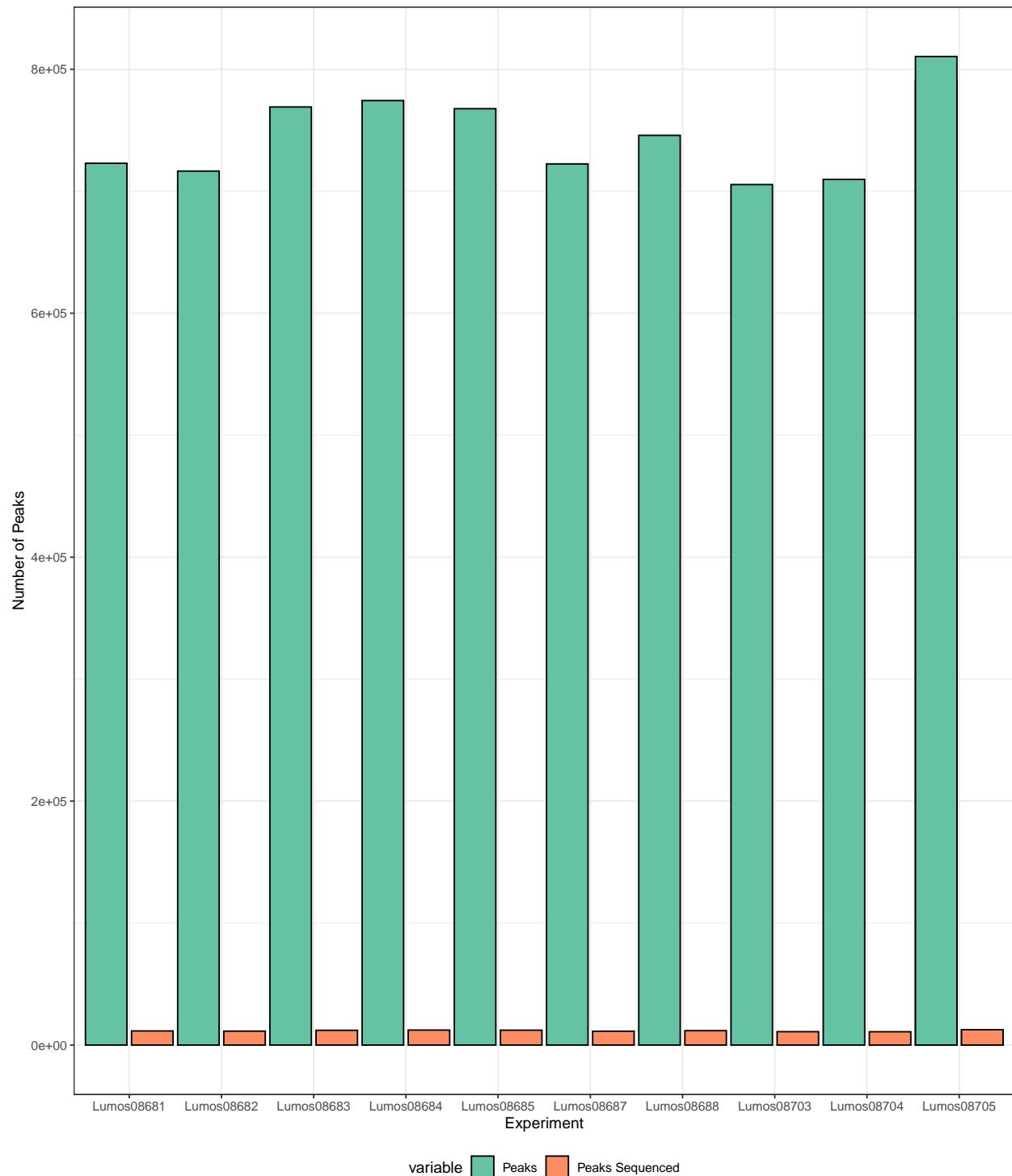
Proteins vs Peptide/Protein ratio based on Intensity



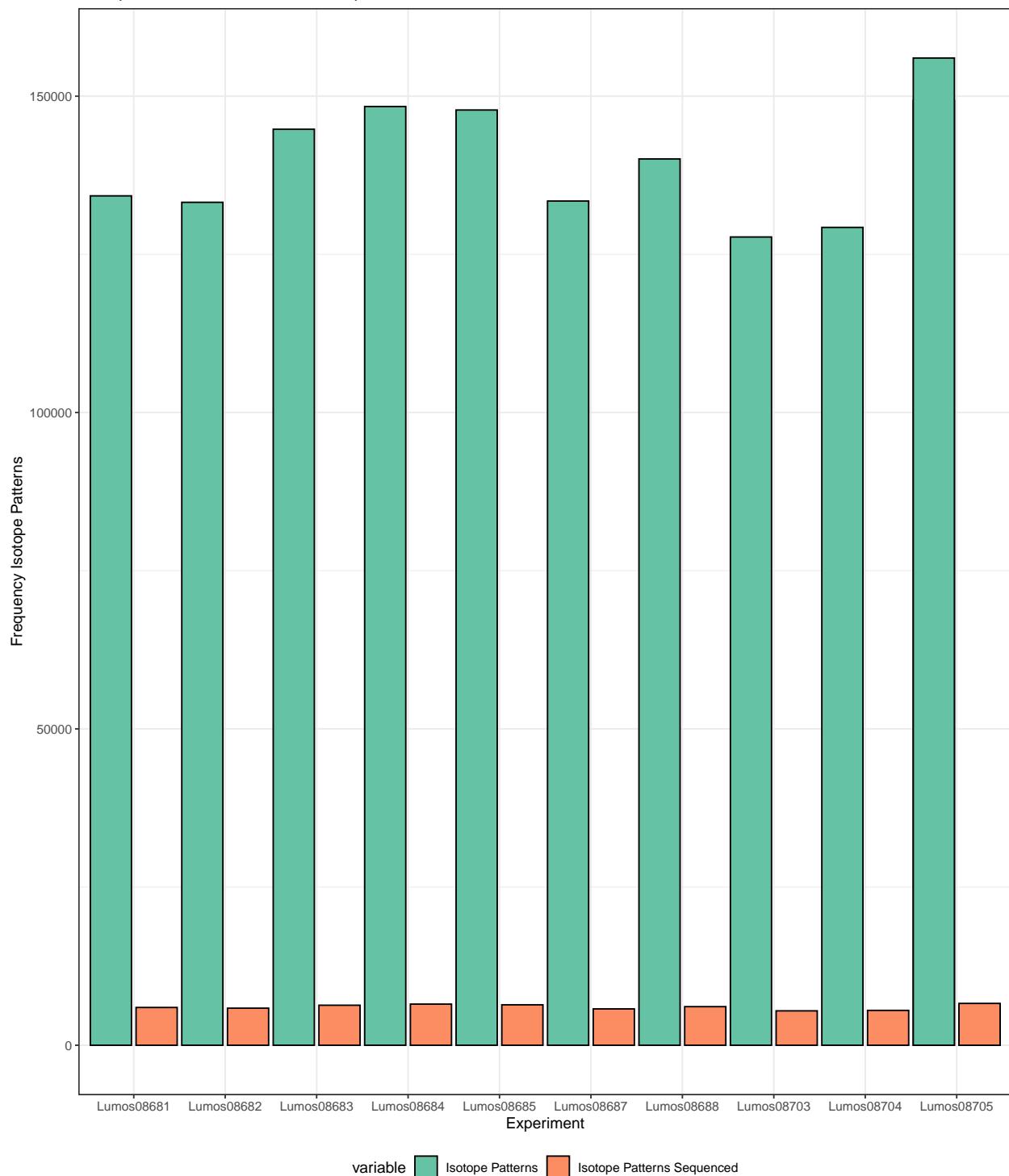
MS/MS Submitted and Identified



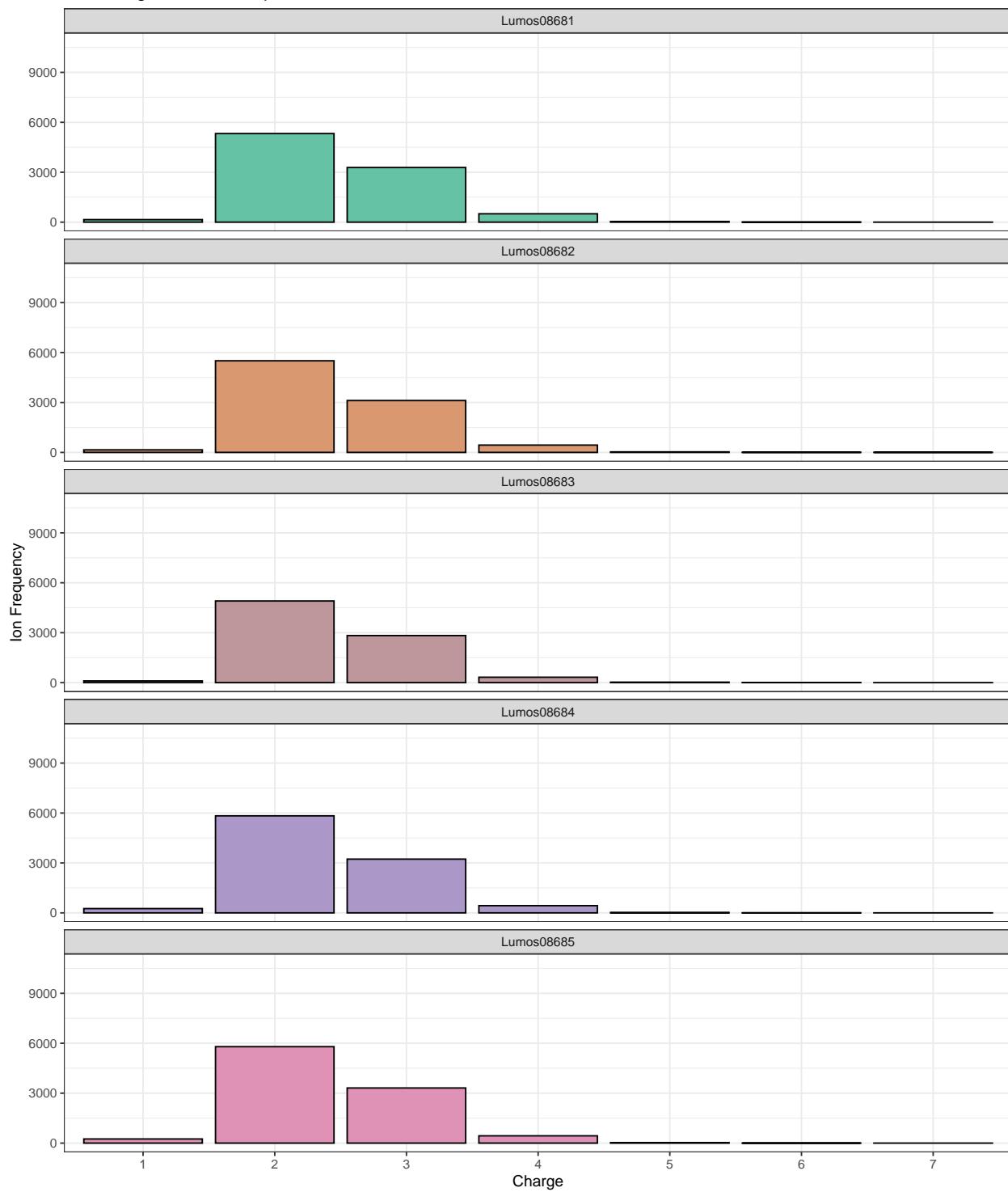
Peaks detected and sequenced in the full scans



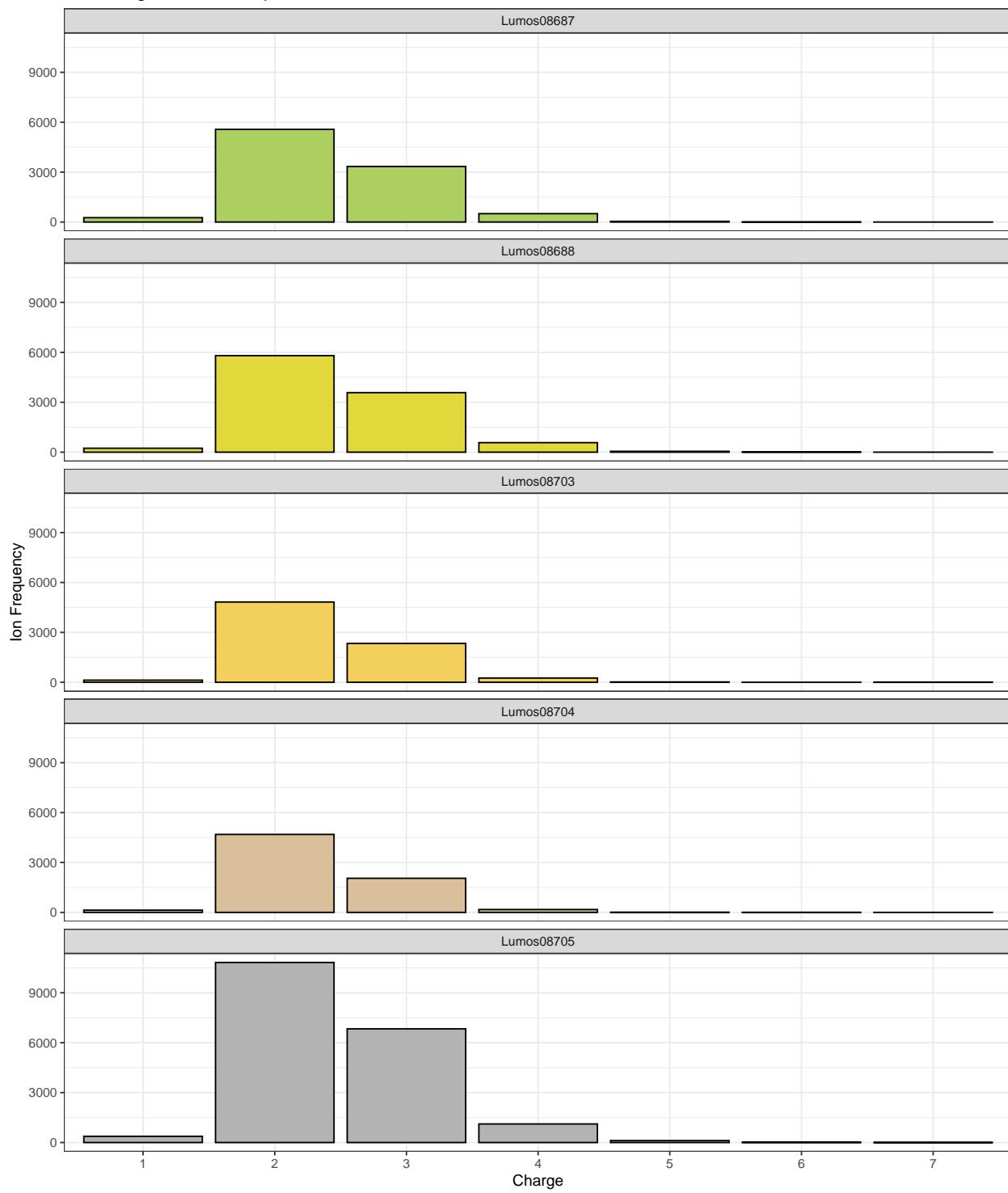
Isotope Patterns detected and sequenced



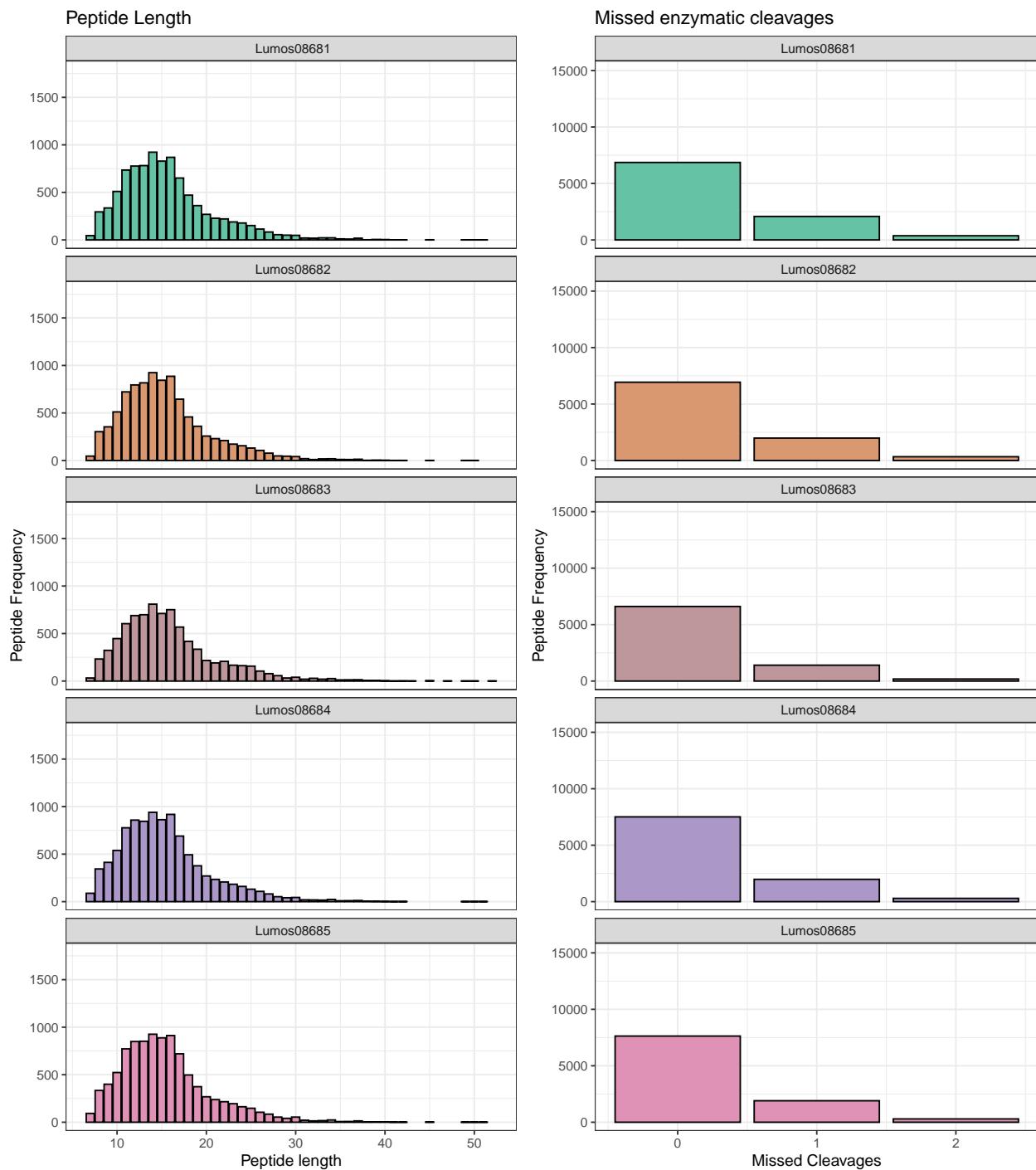
The charge-state of the precursor ion.



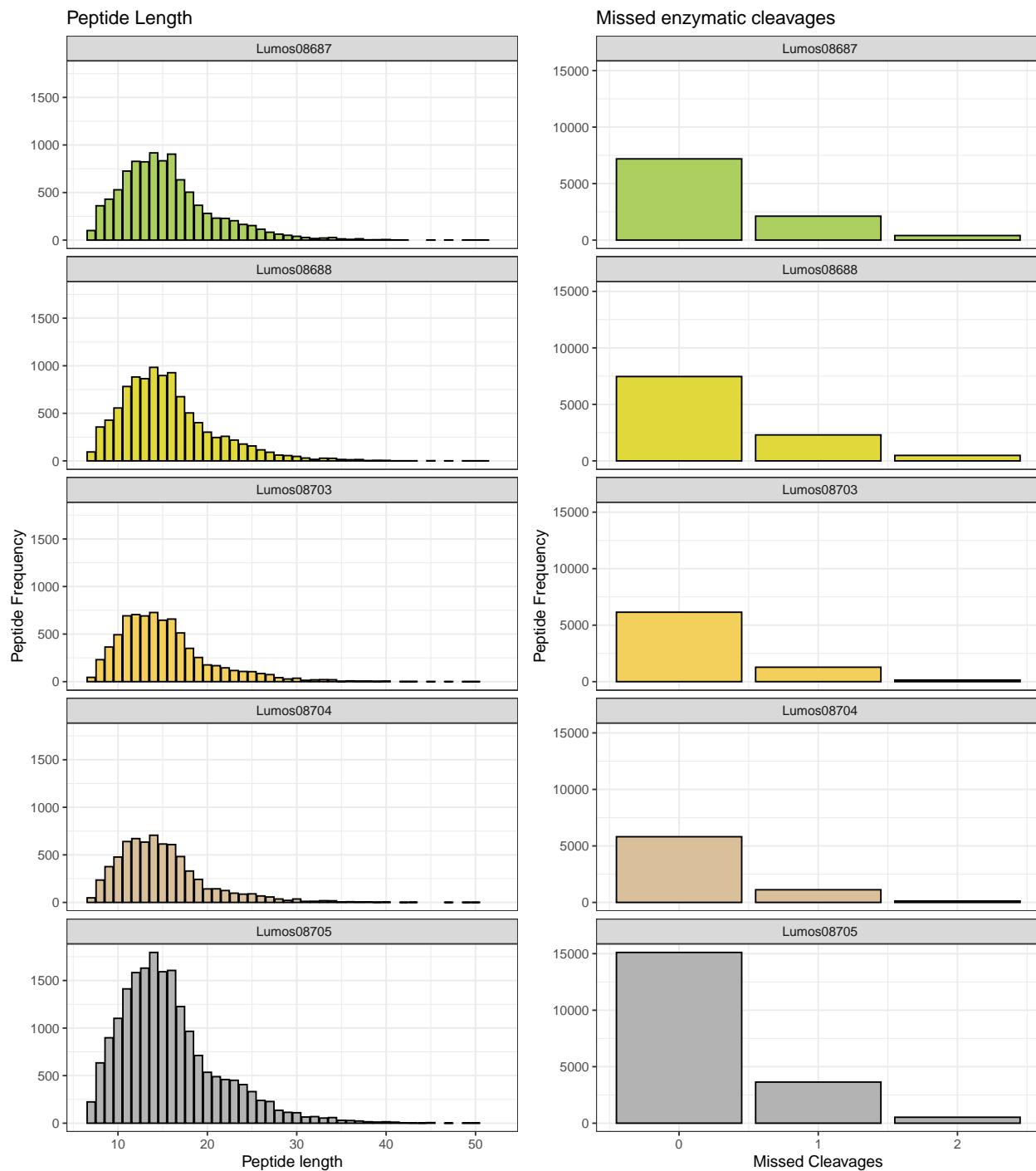
The charge-state of the precursor ion.



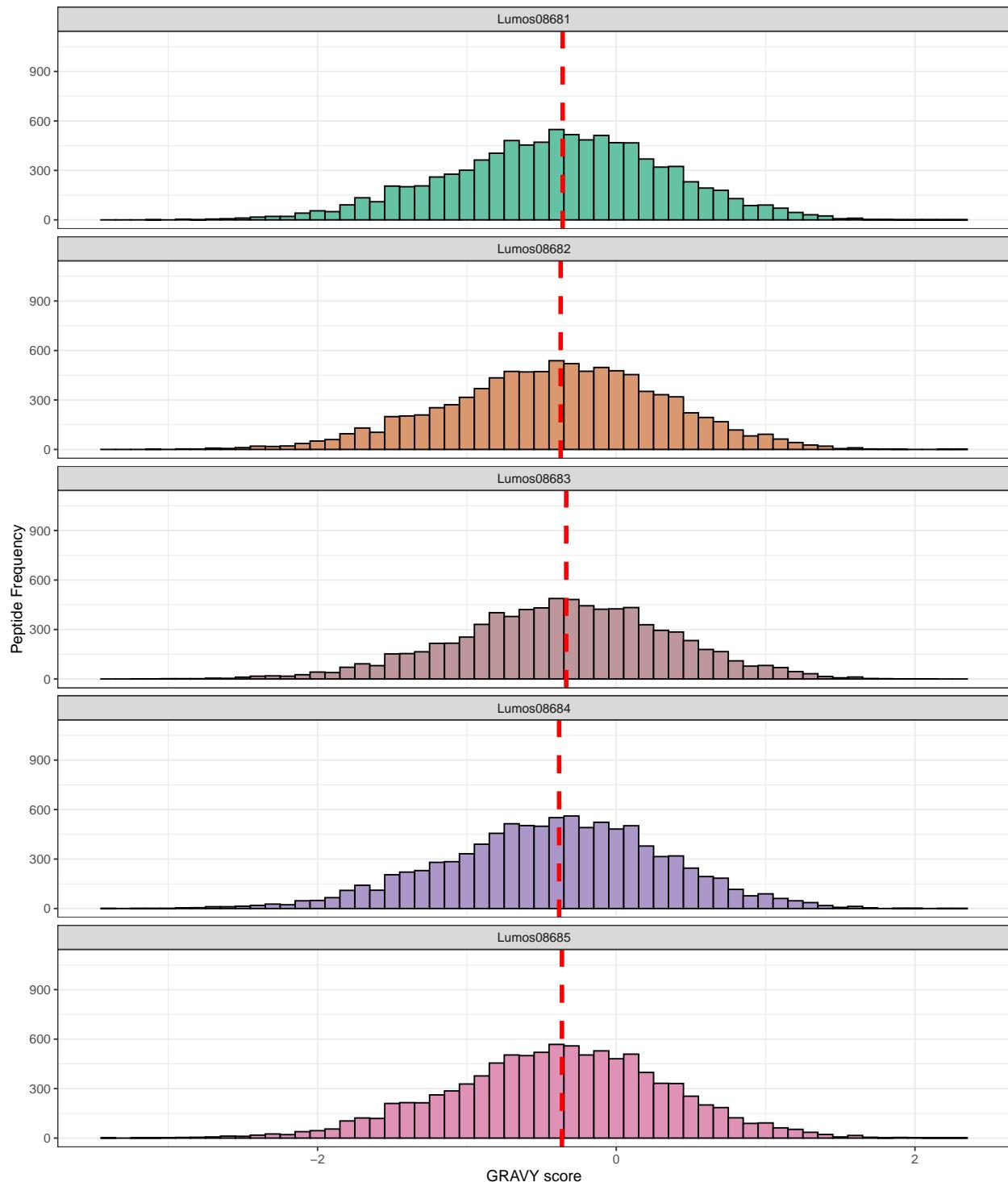
Protease Specificity



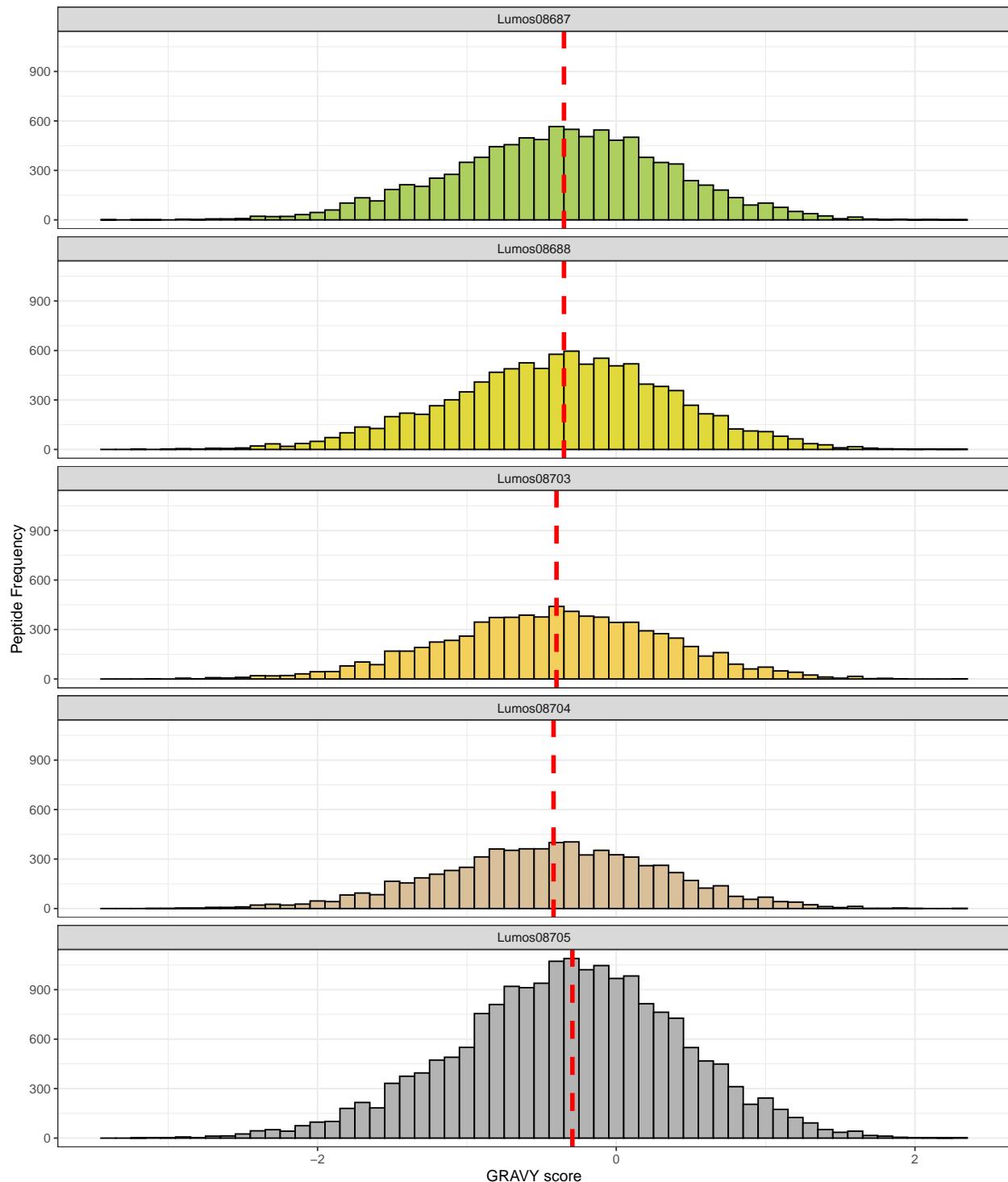
Protease Specificity

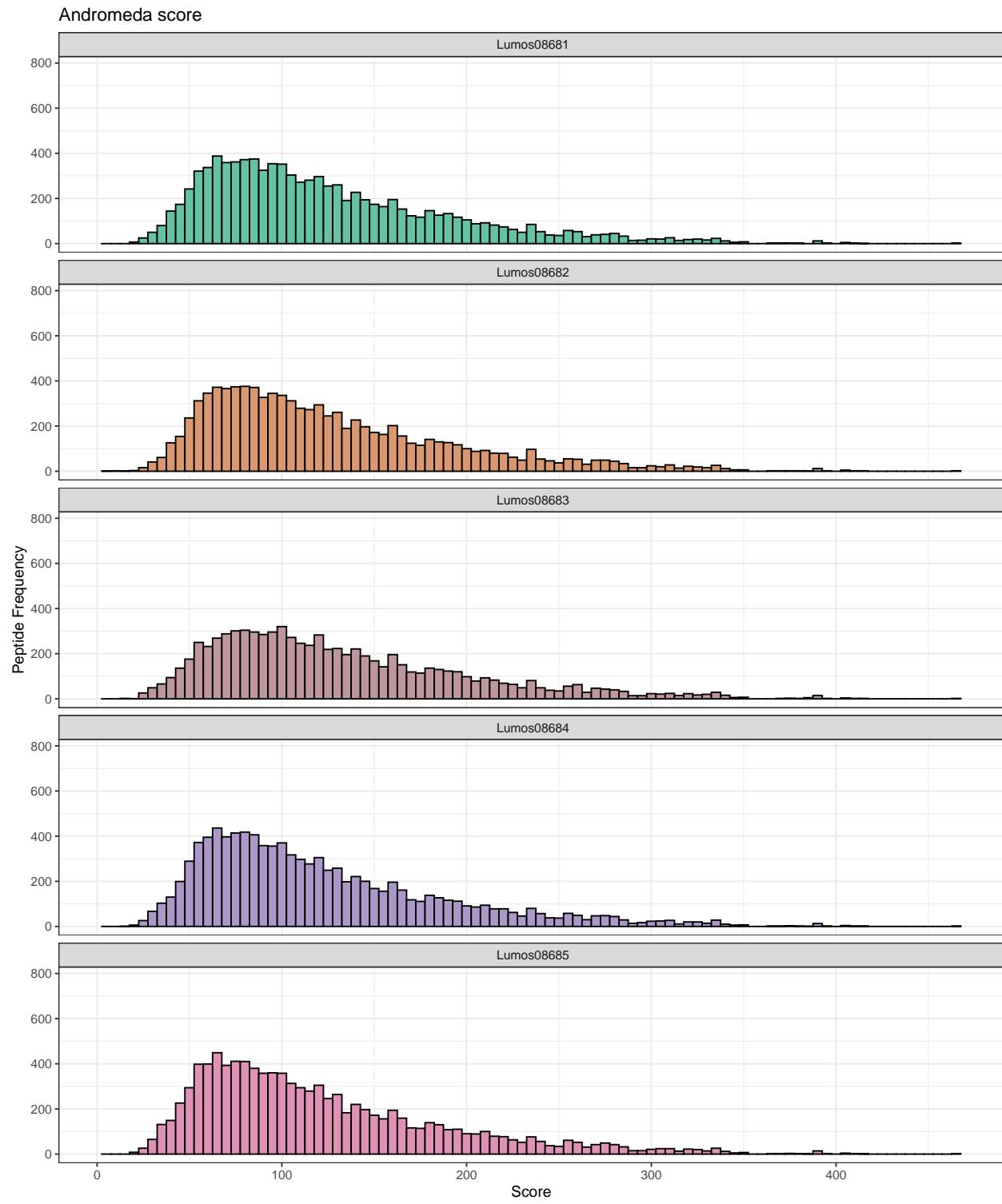


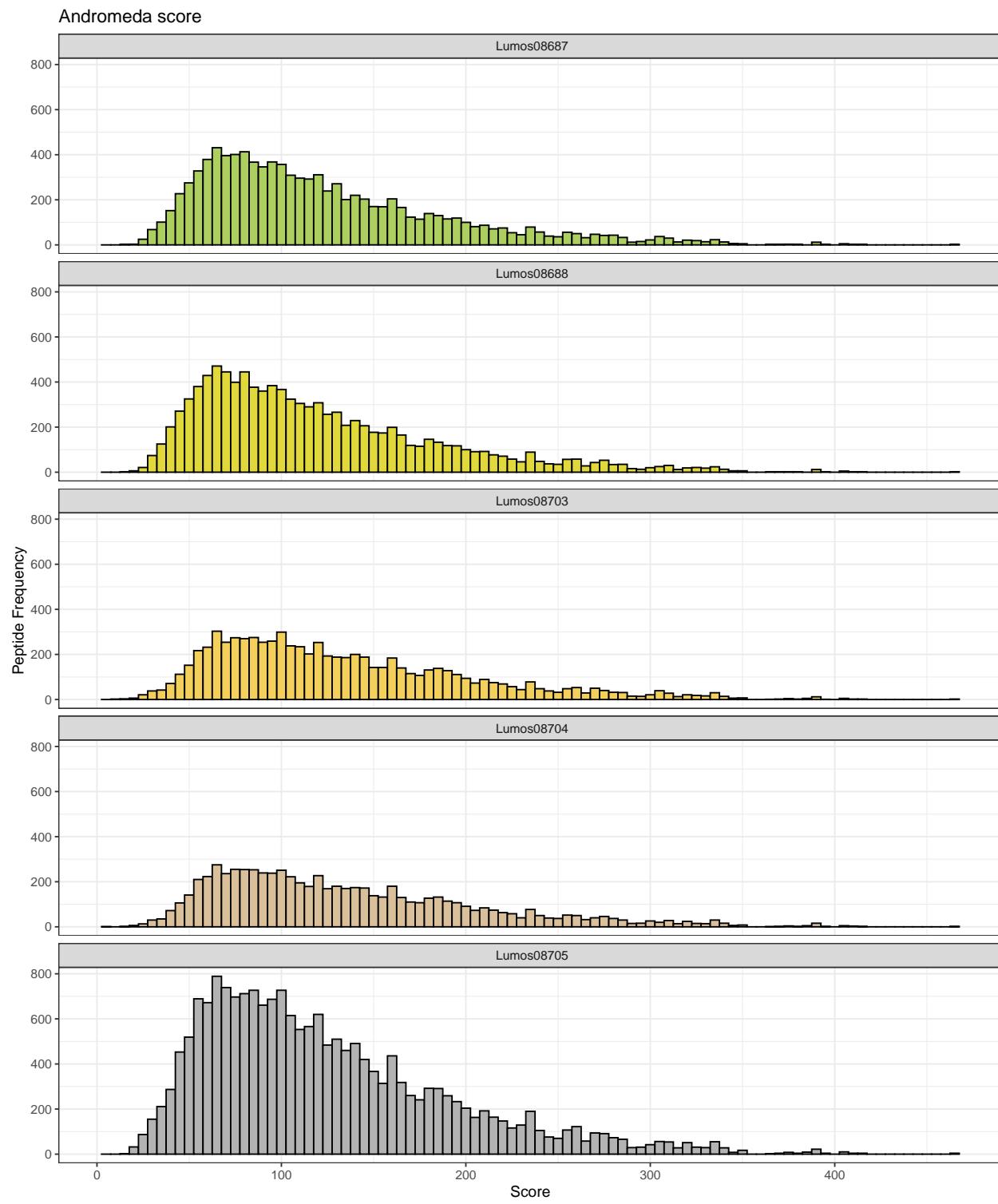
Peptide hydrophathy distribution



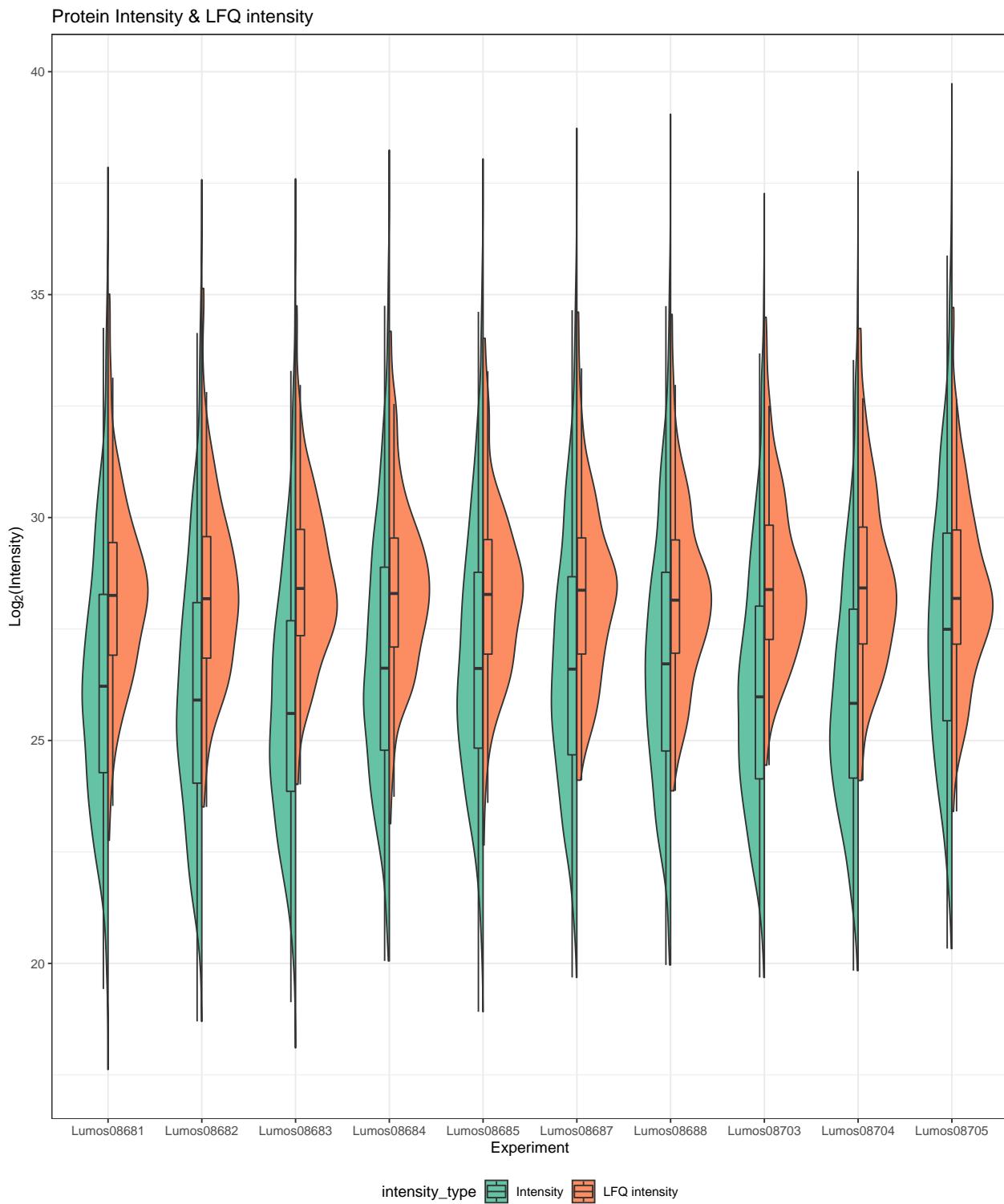
Peptide hydrophathy distribution



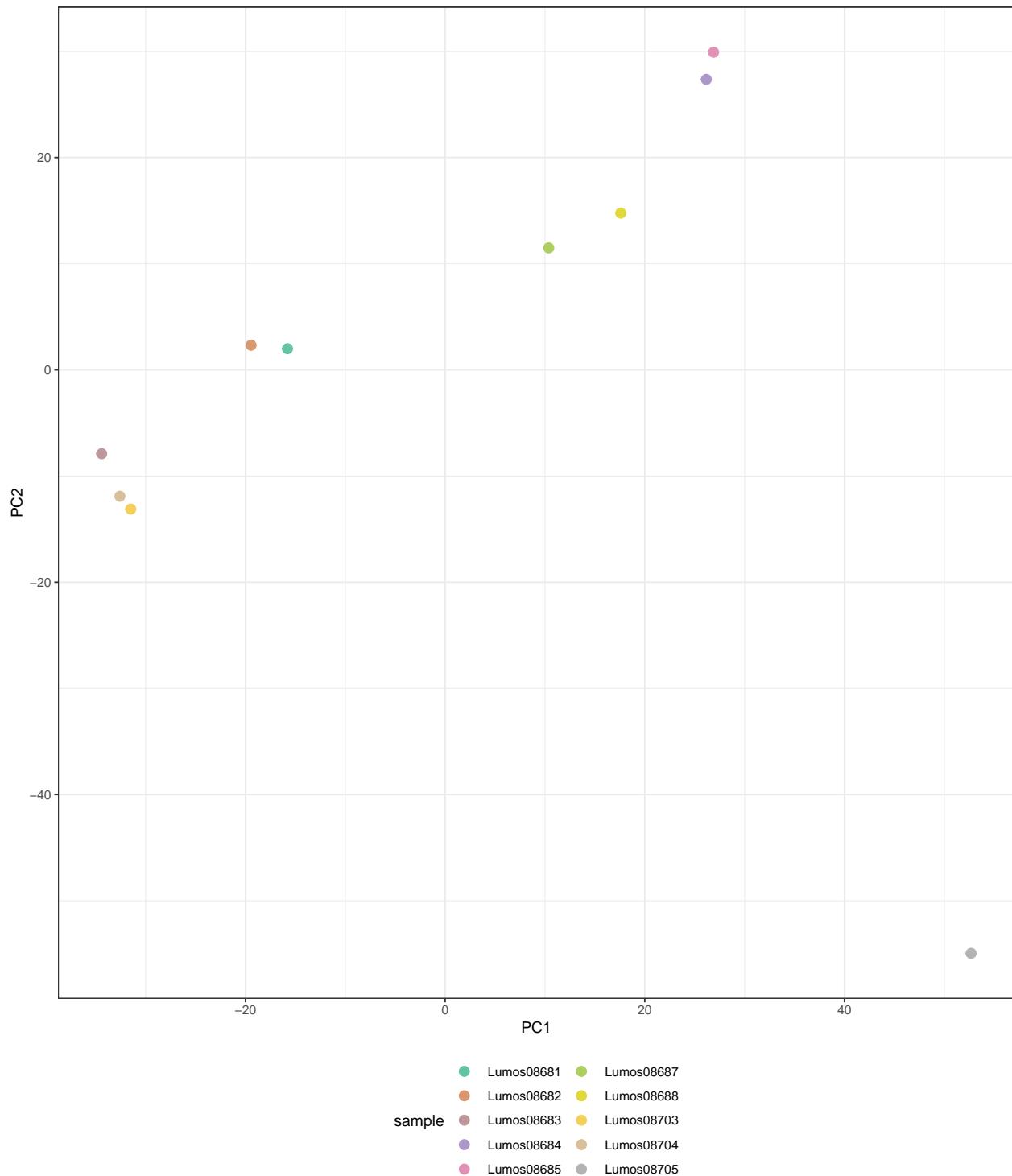




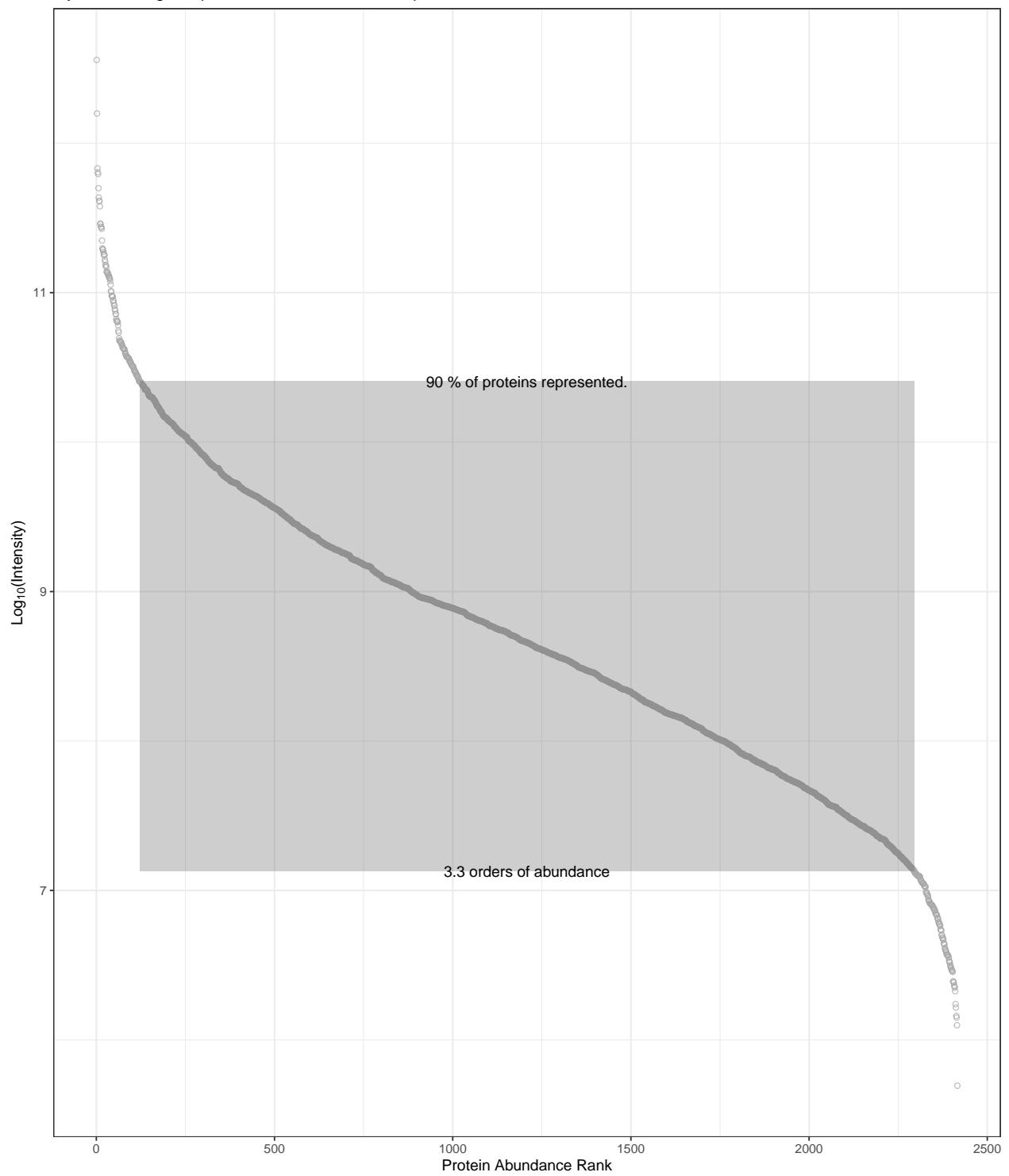
```
## Match Between Runs was not used during the MaxQuant analysis.  
##           No Identification Type to show.
```

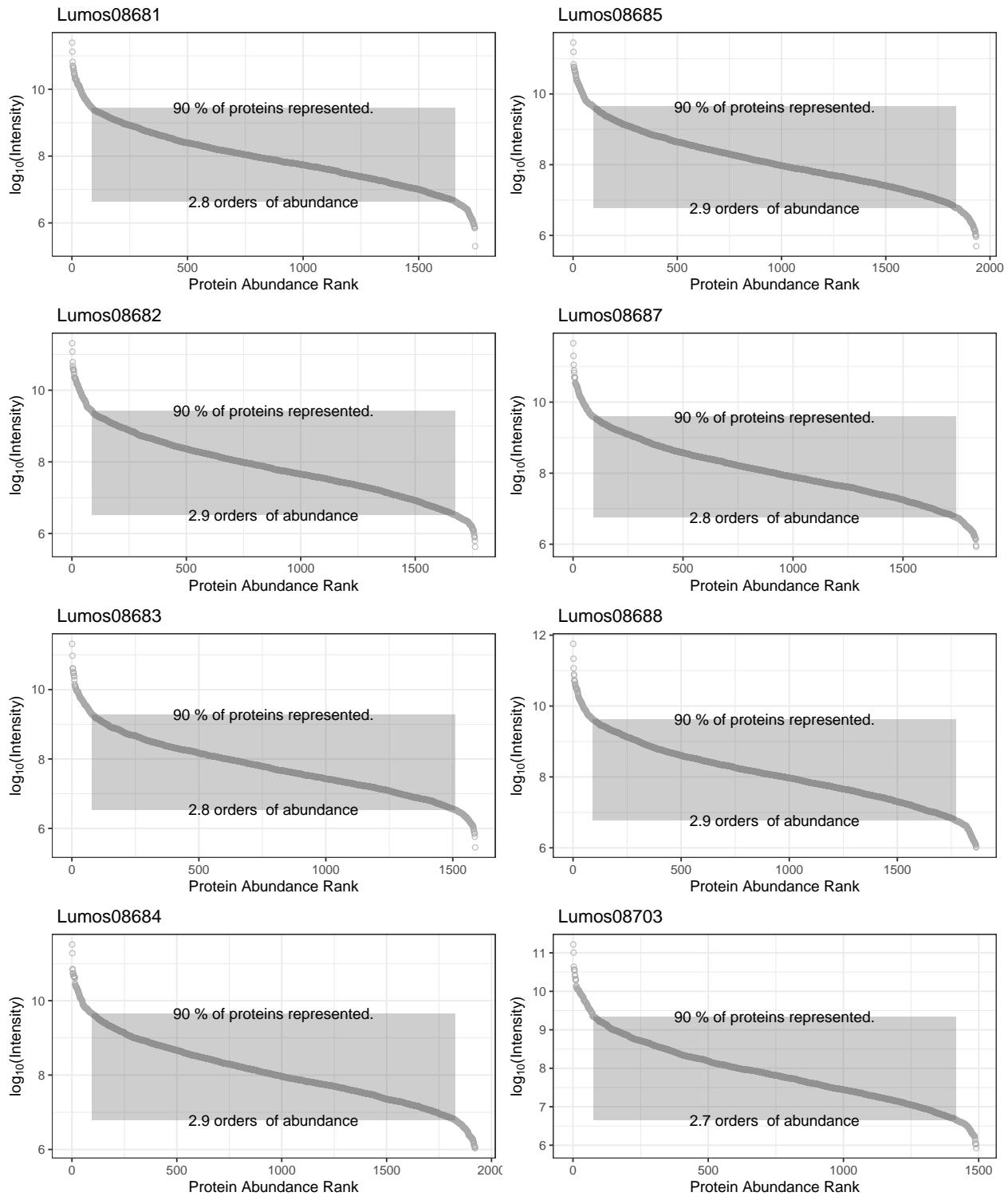


PCA of intensity

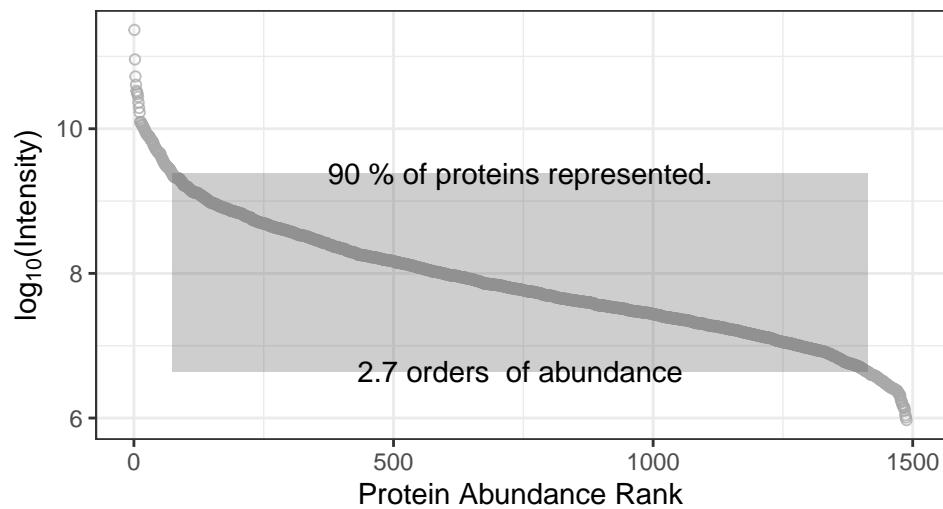


Dynamic range of protein abundance all samples

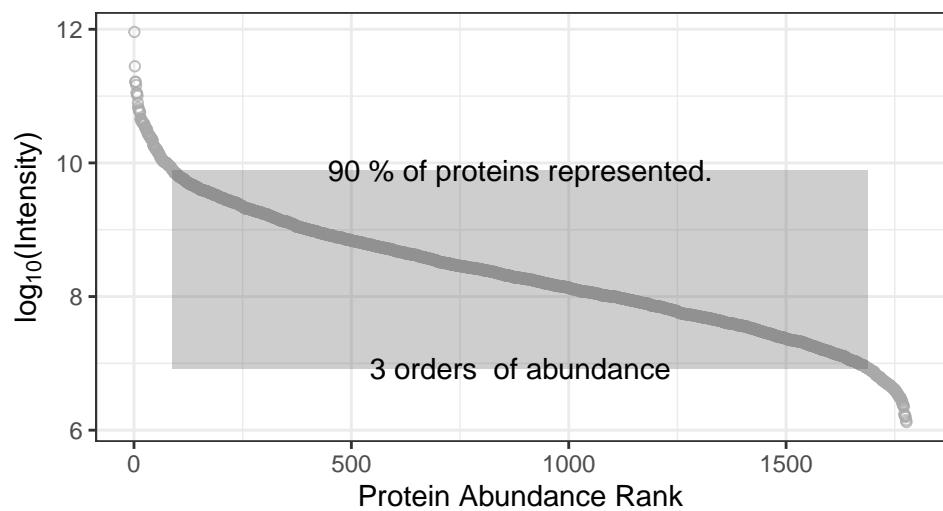




Lumos08704

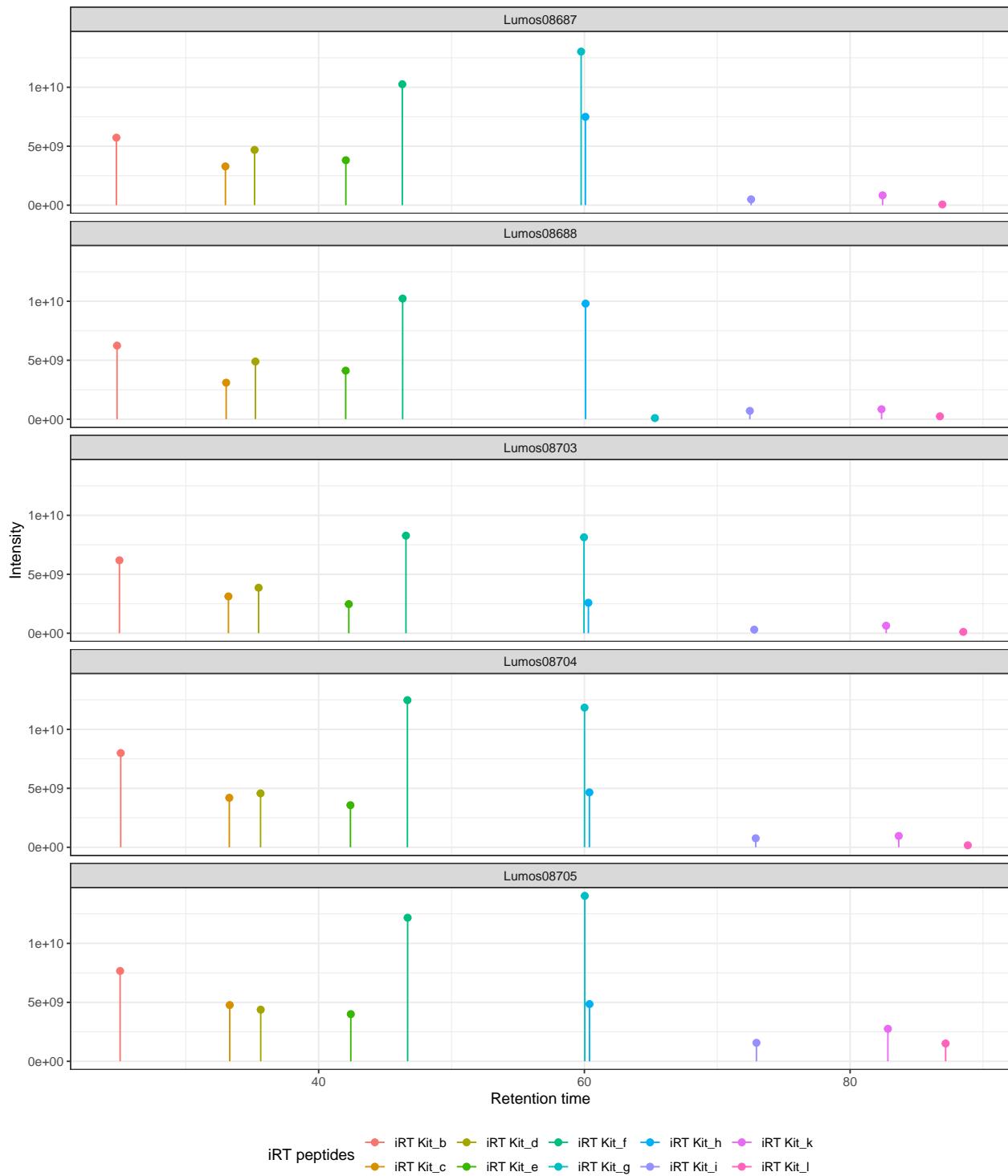


Lumos08705

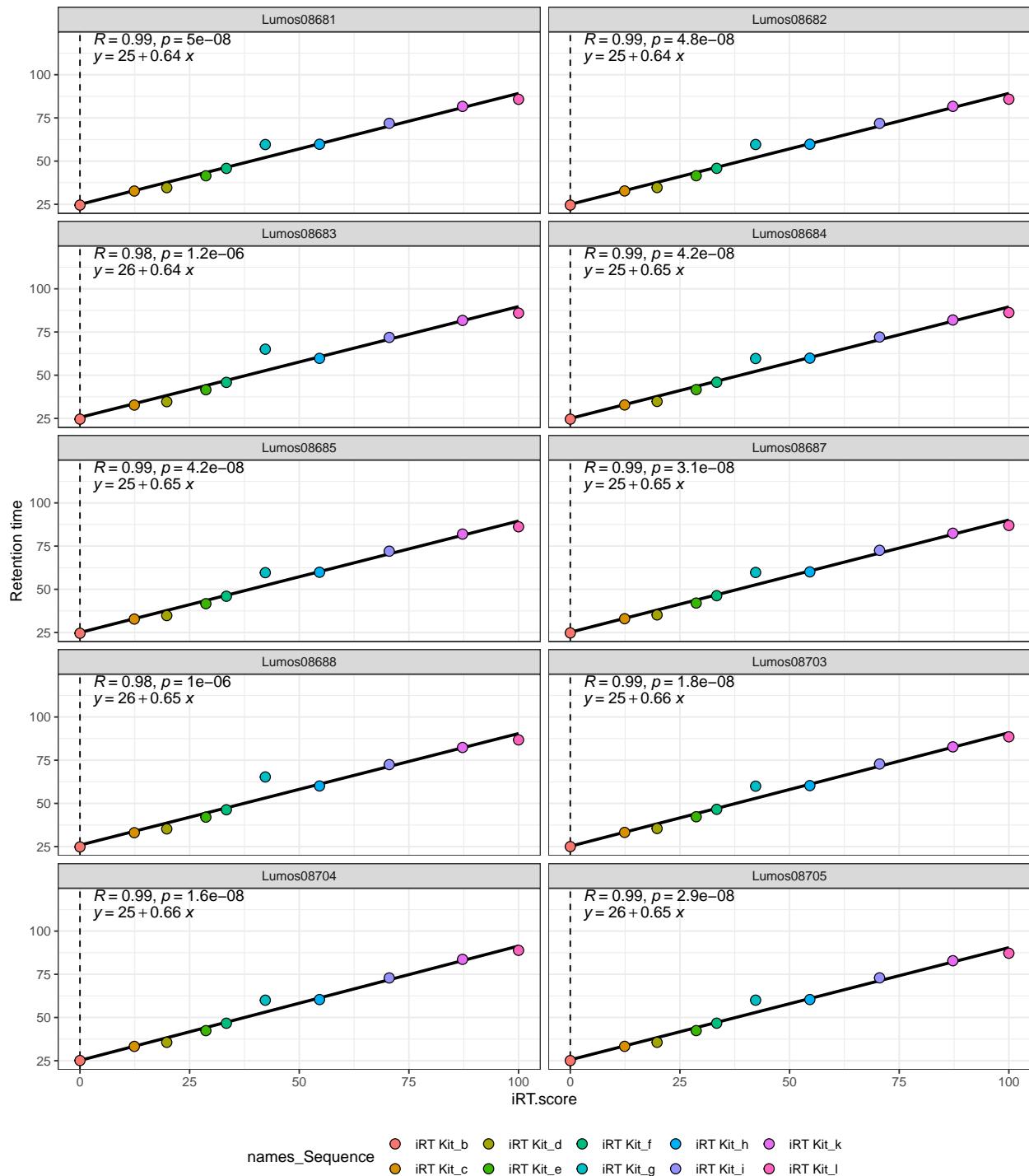


```
## [1] "No UniprotID provided."
```

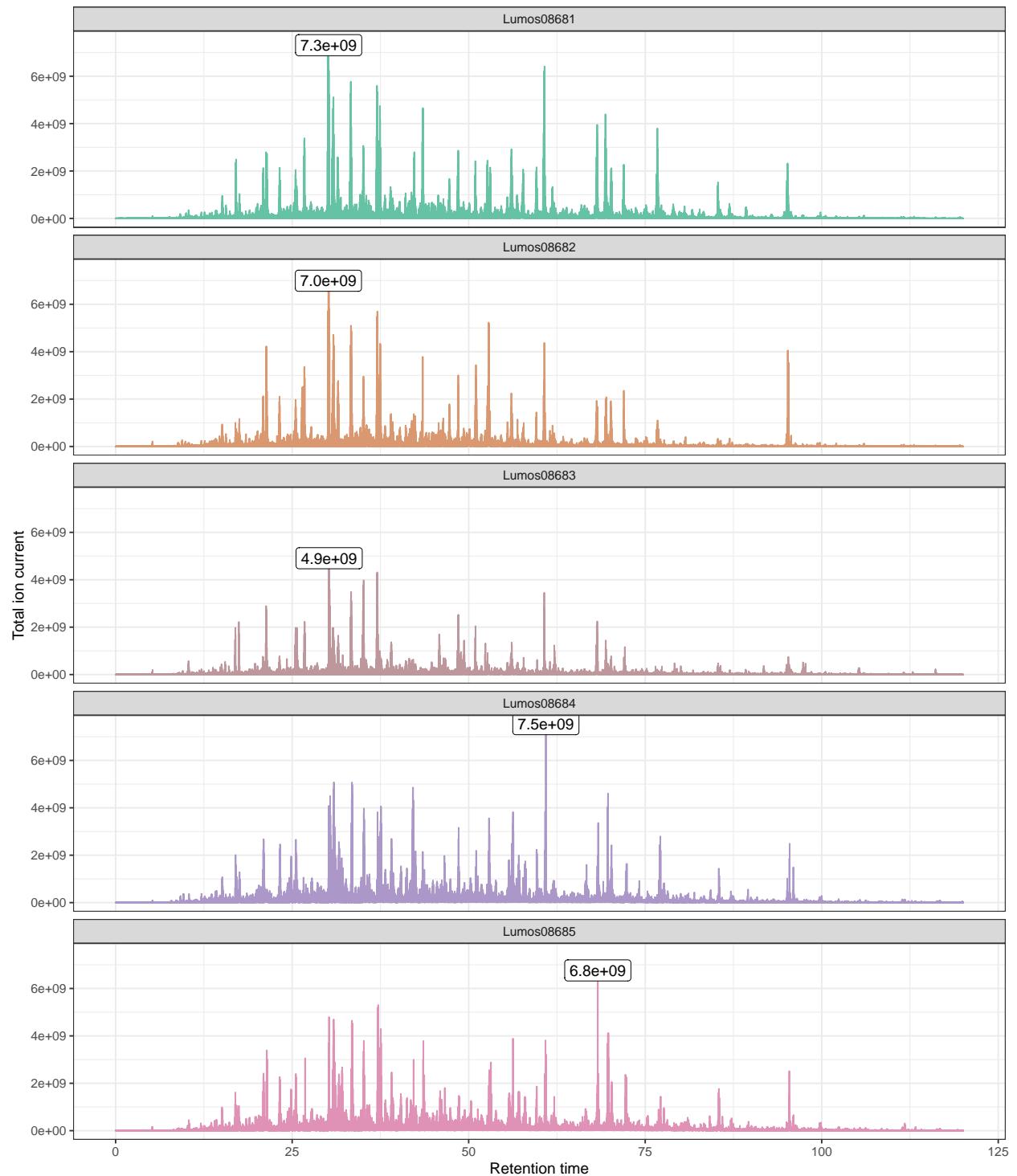
Biognosys iRT peptides in each sample.



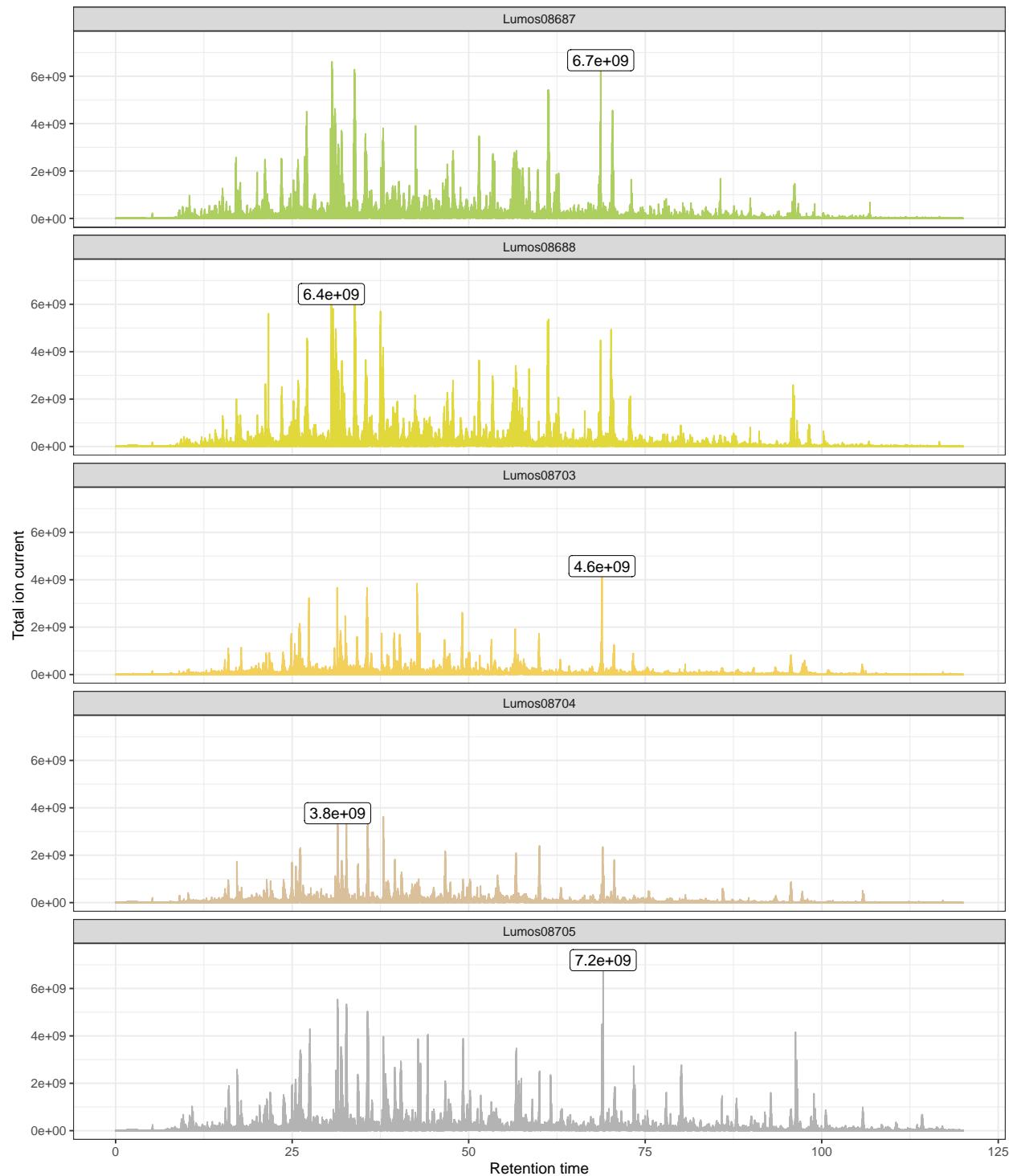
Retention time of
the Biognosys iRT peptides.



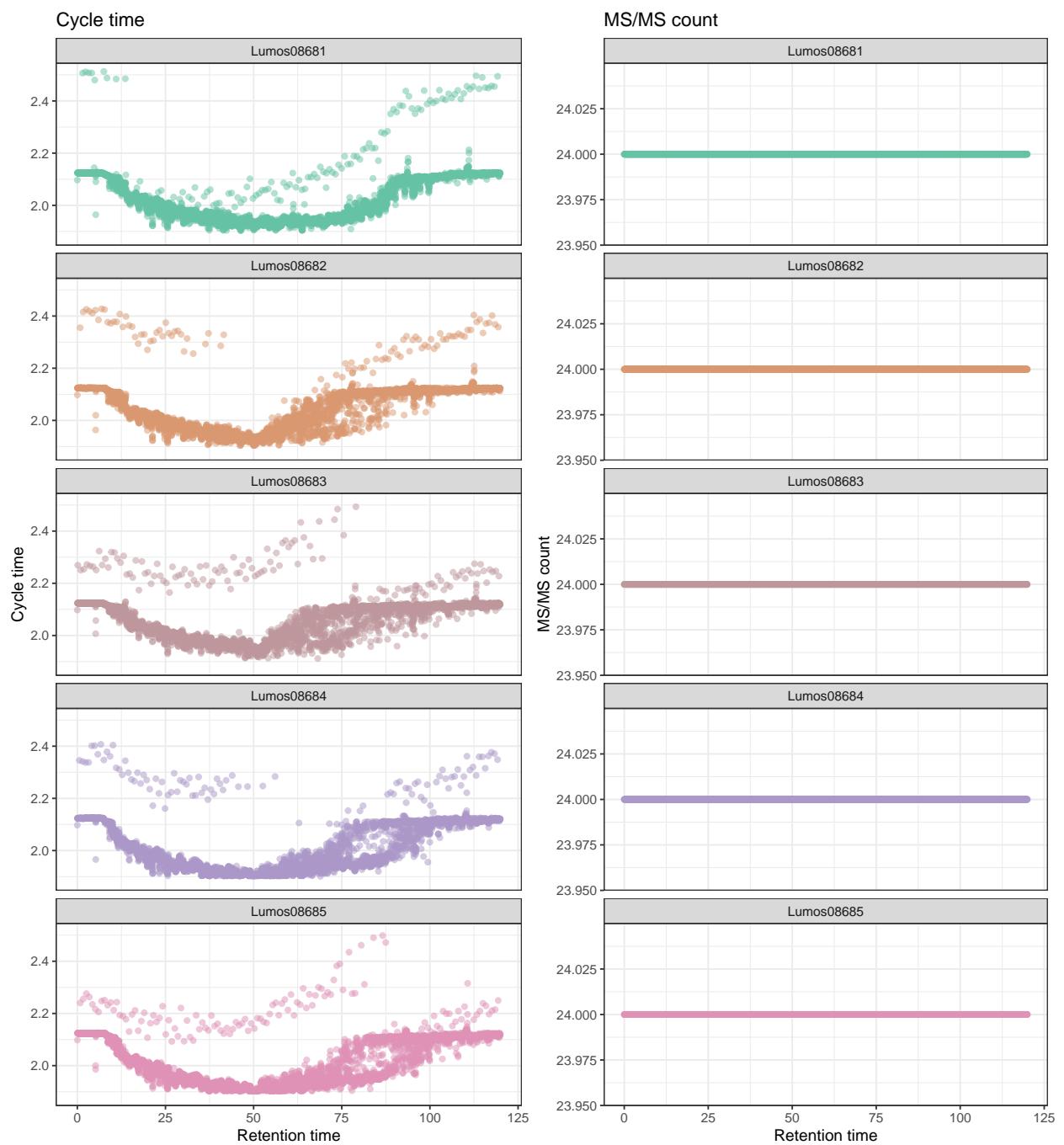
Total Ion Current



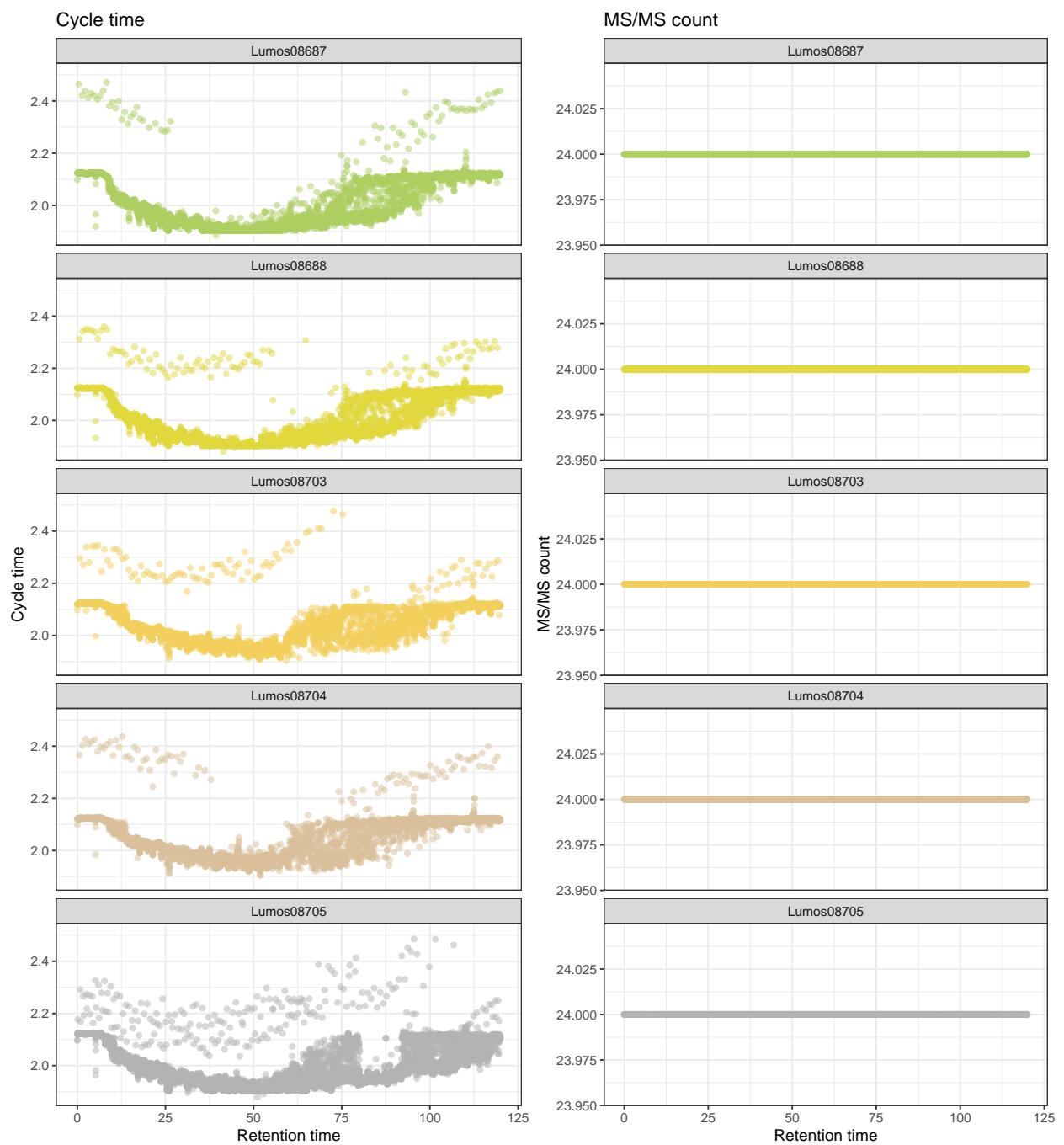
Total Ion Current



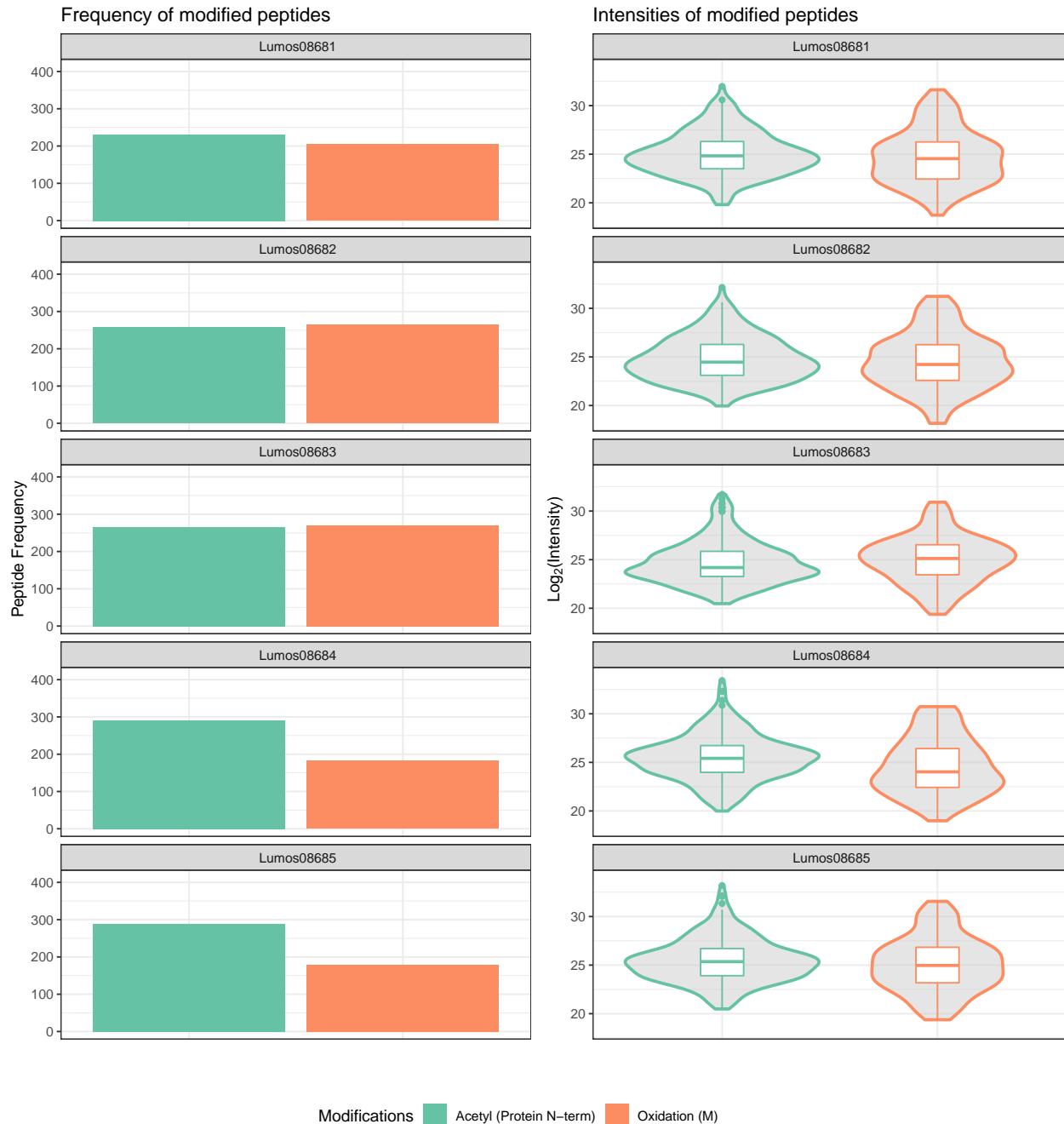
Acquisition Cycle



Acquisition Cycle



Post-Translational Modifications



Post-Translational Modifications

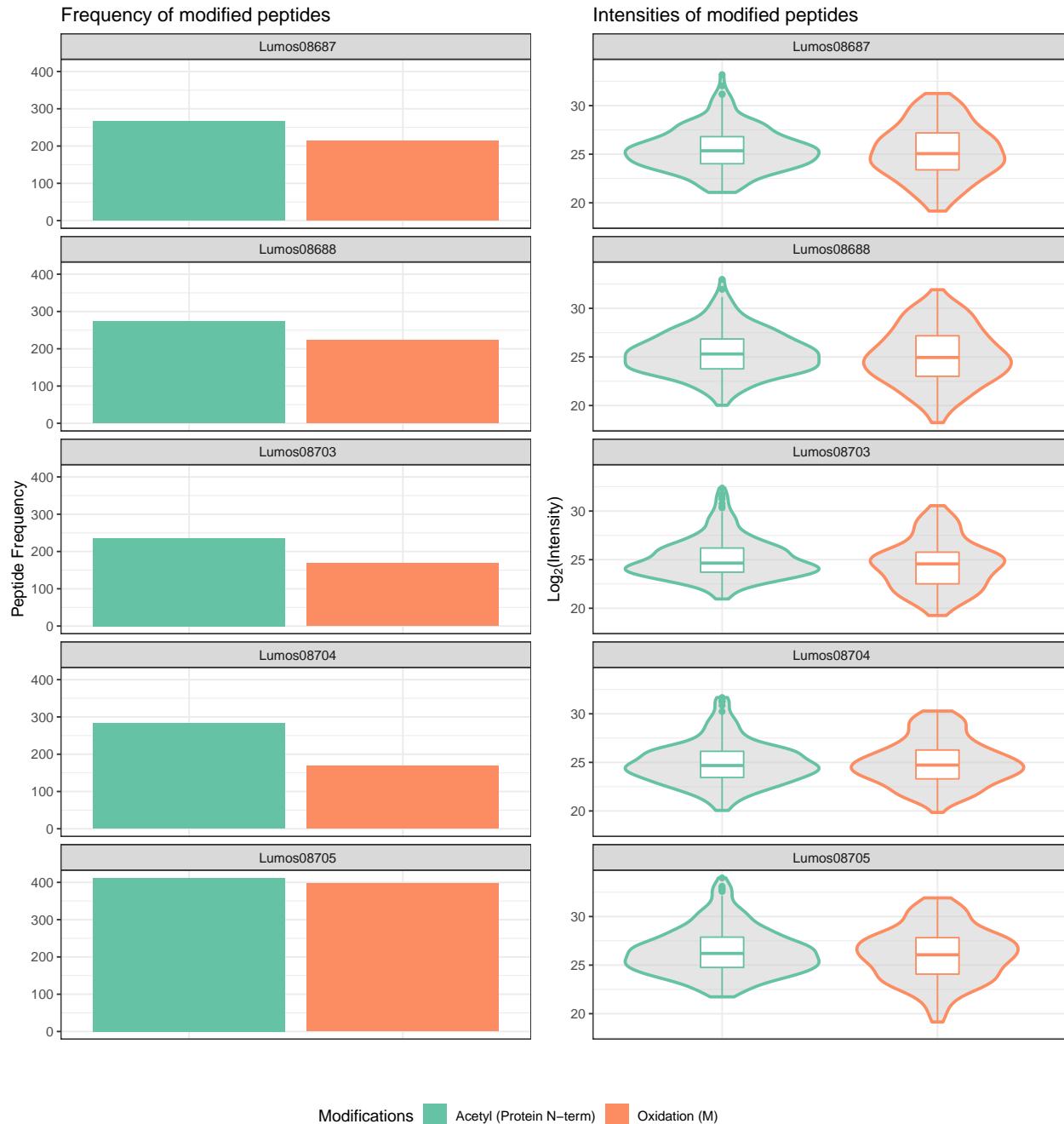


Table 1: Protein Information

	Proteins Identified	Missing values	Potential contaminants	Only identified by Reversesite		Peptide Sequences Identified	Peptides/Proteins
Combined Samples	2540	NA	63	28	35	16328	6.4
Lumos086811800	740	41	12	4		8229	4.6
Lumos086821815	725	42	9	2		8154	4.5
Lumos086831632	908	35	5	5		7247	4.4
Lumos086841971	569	36	10	4		8566	4.3
Lumos086851989	551	39	9	7		8614	4.3
Lumos086871898	642	50	11	4		8627	4.5
Lumos086881929	611	49	9	7		9042	4.7
Lumos087031525	1015	26	5	4		6570	4.3
Lumos087041526	1014	23	9	6		6097	4.0
Lumos087051829	711	34	11	9		8348	4.6
Lumos087051829	711	34	11	9		8427	4.6

Table 2: Information of: Log2 Intensity

Experiment	mean	sd	median	min	max	n
Lumos08681	30.11	32.87	26.23	17.62	37.86	1800
Lumos08682	29.96	32.66	25.98	18.70	37.58	1815
Lumos08683	29.55	32.56	25.63	18.10	37.60	1632
Lumos08684	30.51	33.22	26.64	20.05	38.24	1971
Lumos08685	30.39	33.03	26.63	18.91	38.04	1989
Lumos08687	30.59	33.58	26.63	19.68	38.73	1898
Lumos08688	30.72	33.83	26.74	19.96	39.05	1929
Lumos08703	29.65	32.40	25.97	19.69	37.27	1525
Lumos08704	29.67	32.70	25.81	19.01	37.76	1526
Lumos08705	31.42	34.51	27.48	20.33	39.73	1829

Table 3: Charge Information

Experiment	1	2	3	4	5	6	7
Lumos08681	1.6	57.2	35.3	5.4	0.4	0.1	0.0
Lumos08682	1.7	59.5	33.7	4.8	0.3	0.0	0.0
Lumos08683	1.3	59.9	34.5	4.0	0.3	0.0	0.0
Lumos08684	2.6	59.6	33.0	4.4	0.2	0.0	0.0
Lumos08685	2.5	59.0	33.7	4.5	0.3	0.0	0.0
Lumos08687	2.7	57.3	34.3	5.2	0.4	0.0	0.0
Lumos08688	2.3	56.6	34.9	5.6	0.5	0.1	0.0
Lumos08703	1.7	63.8	30.9	3.4	0.3	0.0	0.0
Lumos08704	1.9	66.4	29.1	2.4	0.1	0.0	0.0
Lumos08705	1.9	56.1	35.5	5.8	0.6	0.1	0.0

Table 4: Peptide hydrophobicity (GRAVY)

Experiment	Mean	Max	Min	Median
Lumos08681	-0.39	2.34	-3.07	-0.36
Lumos08682	-0.4	2.34	-3.07	-0.37
Lumos08683	-0.36	2.09	-3.15	-0.34
Lumos08684	-0.41	2.34	-3.41	-0.38
Lumos08685	-0.39	2.34	-3.41	-0.36
Lumos08687	-0.37	2.34	-3.41	-0.35
Lumos08688	-0.37	2.34	-3.2	-0.35
Lumos08703	-0.42	2.34	-3.07	-0.4
Lumos08704	-0.44	2.34	-3.07	-0.42
Lumos08705	-0.32	2.34	-3.2	-0.29

Table 5: Missed Enzymatic Cleavages

Experiment	0	1	2
Lumos08681	6860	2079	369
Lumos08682	6933	1983	333
Lumos08683	6606	1406	182
Lumos08684	7508	1977	291
Lumos08685	7632	1904	293
Lumos08687	7191	2121	409
Lumos08688	7464	2298	484
Lumos08703	6145	1278	141
Lumos08704	5812	1120	122
Lumos08705	15110	3640	527

Table 6: Protein Identification Overlap Between Samples

samples	Freq
1	82
2	162
3	160
4	162
5	130
6	140
7	158
8	165
9	174
10	1085