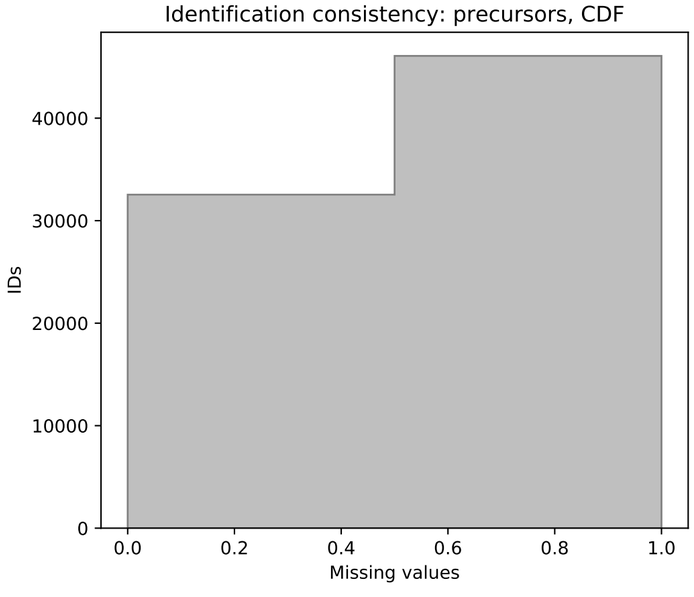
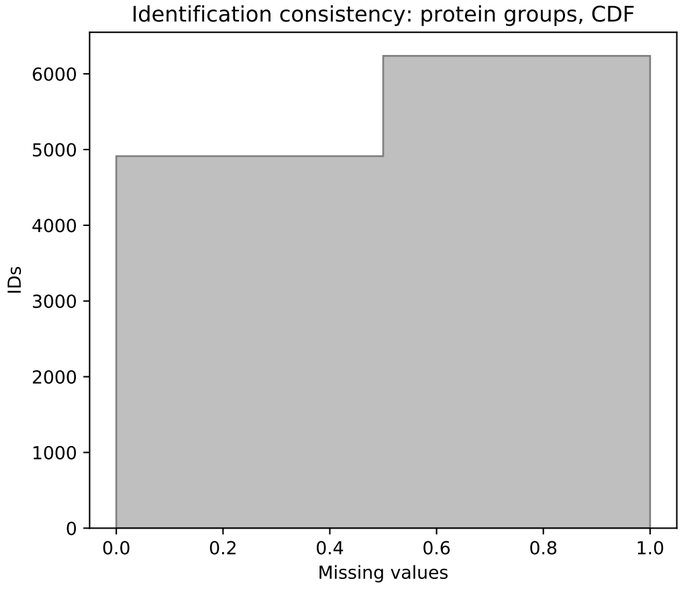
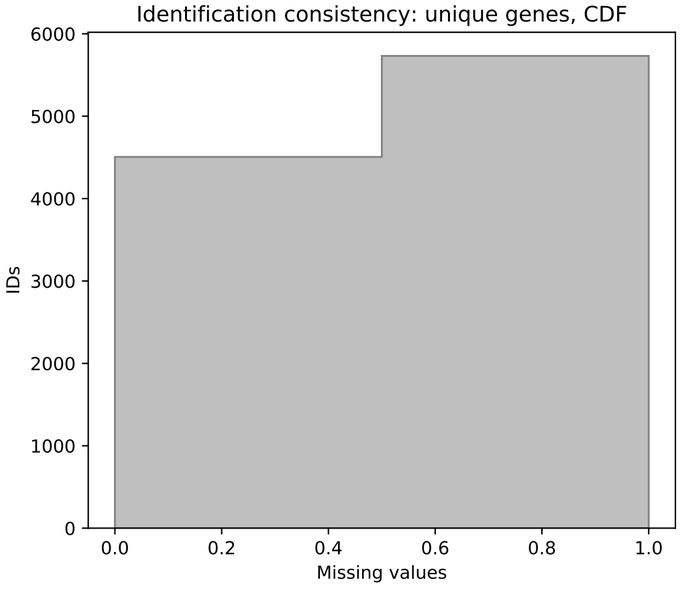
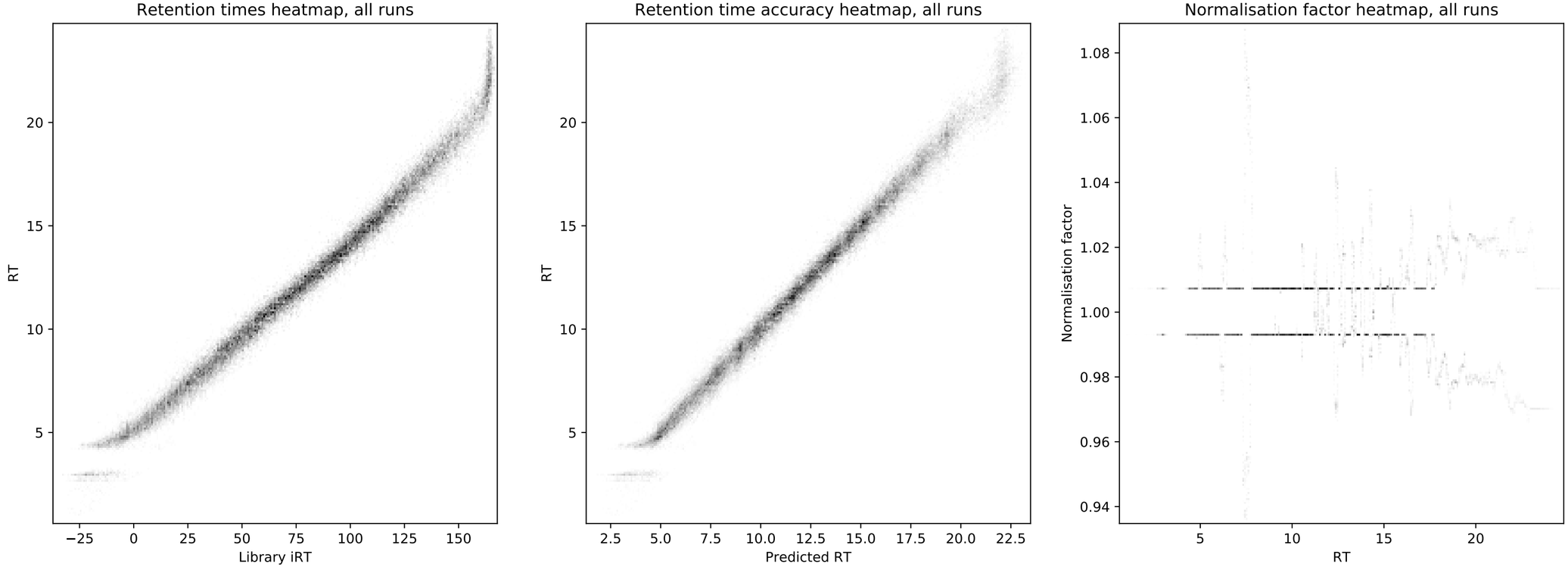
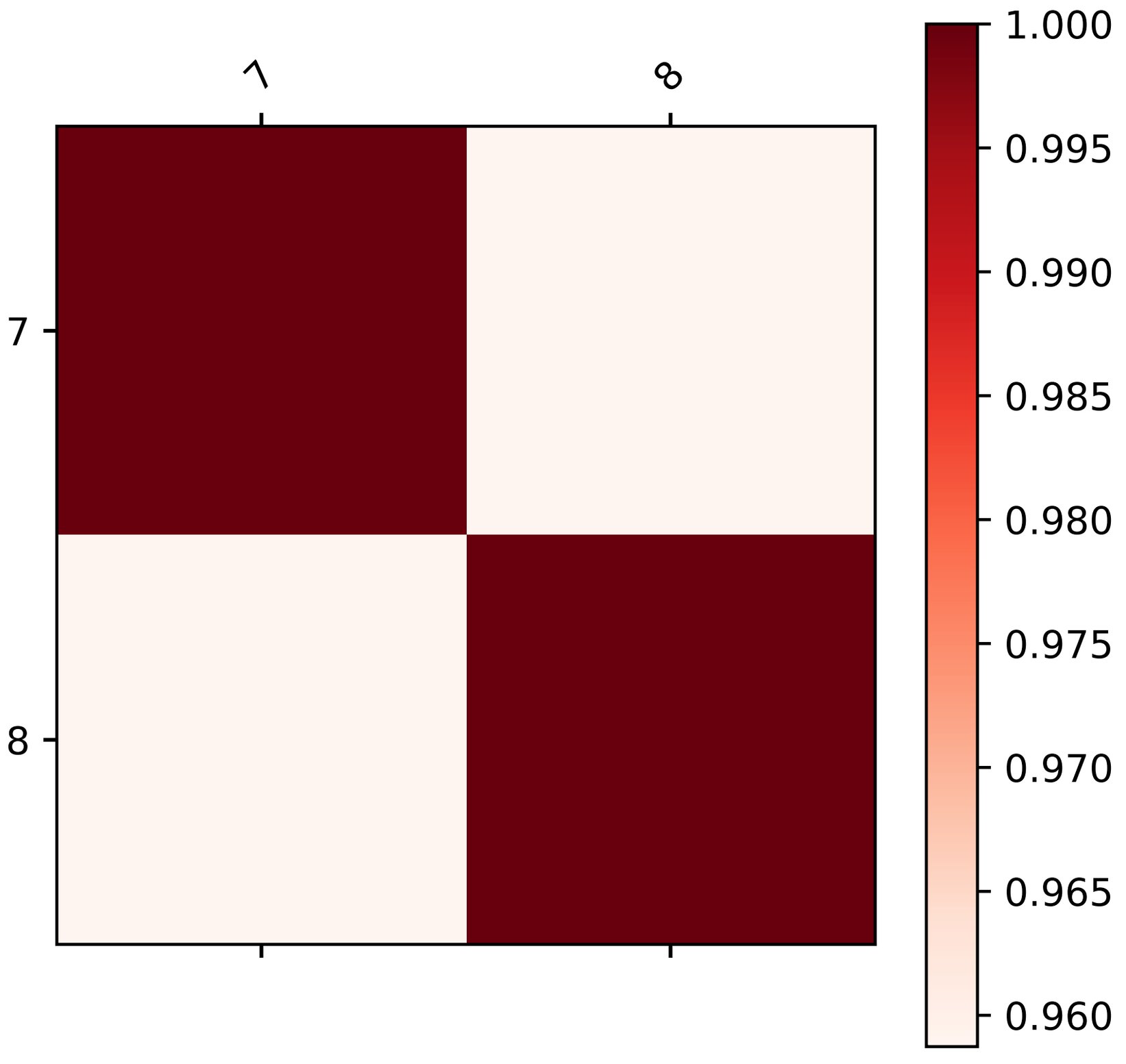
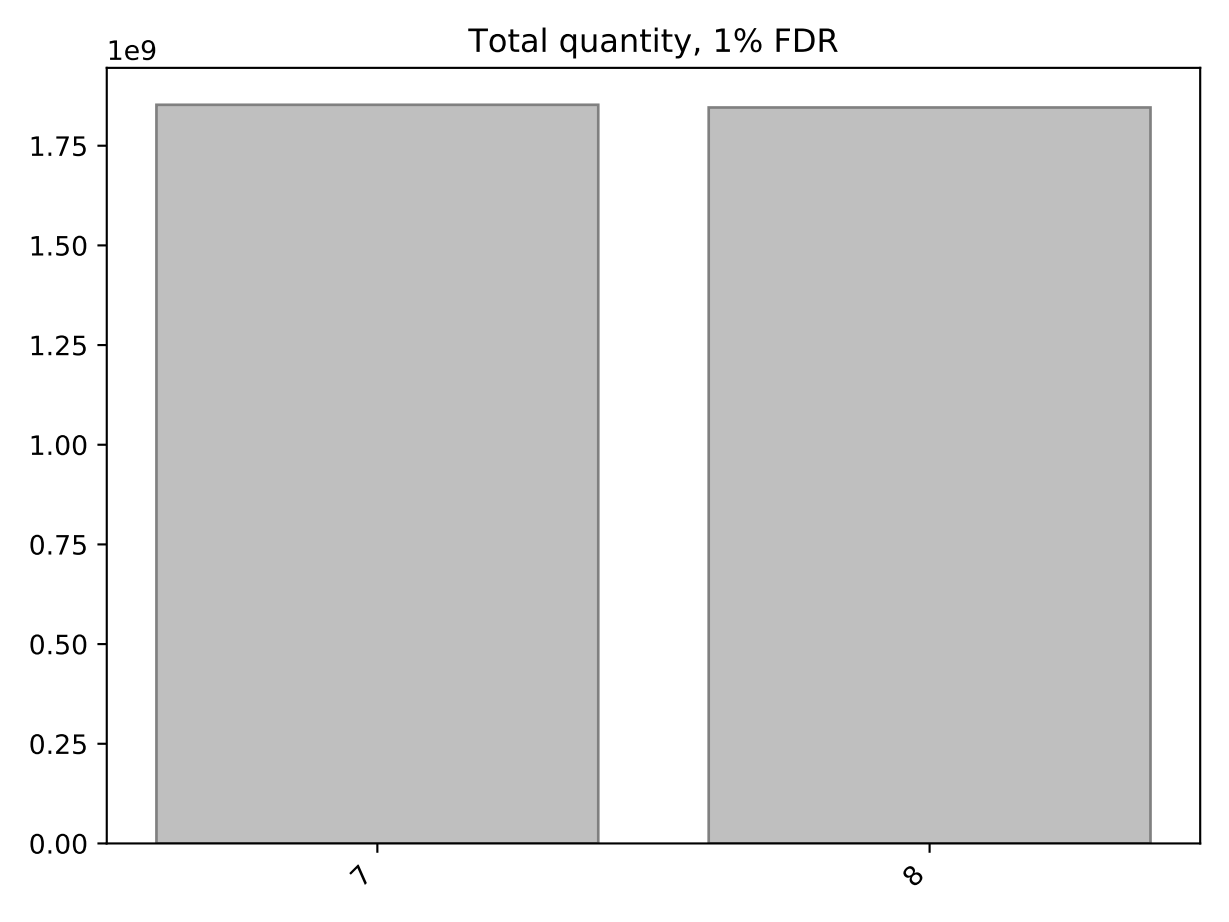

Identification consistency: precursors, CDF
IDs
Missing values
0
10000
20000
30000
40000
0.0
0.2
0.4
0.6
0.8
1.0

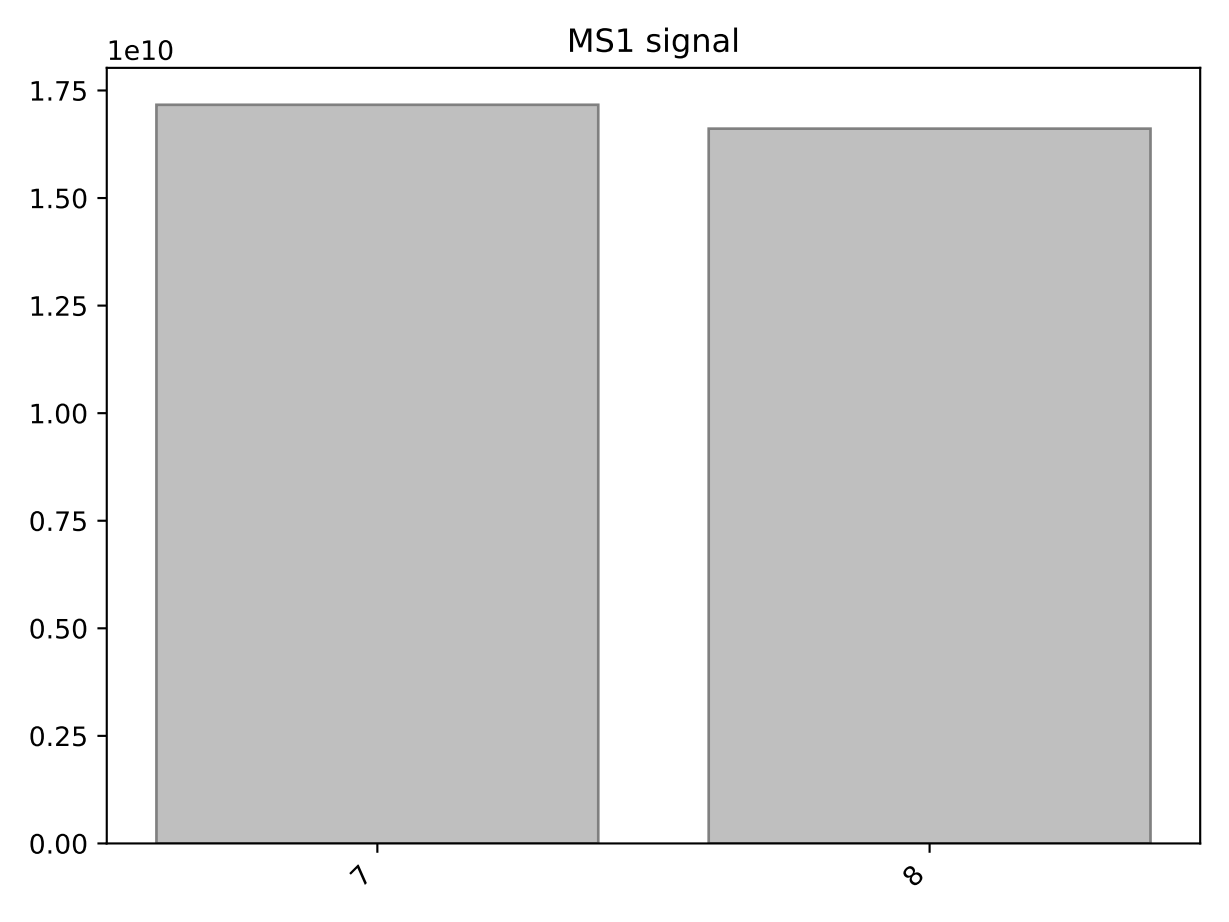

Identification consistency: protein groups, CDF
IDs
Missing values
0
1000
2000
3000
4000
5000
6000
0.0
0.2
0.4
0.6
0.8
1.0

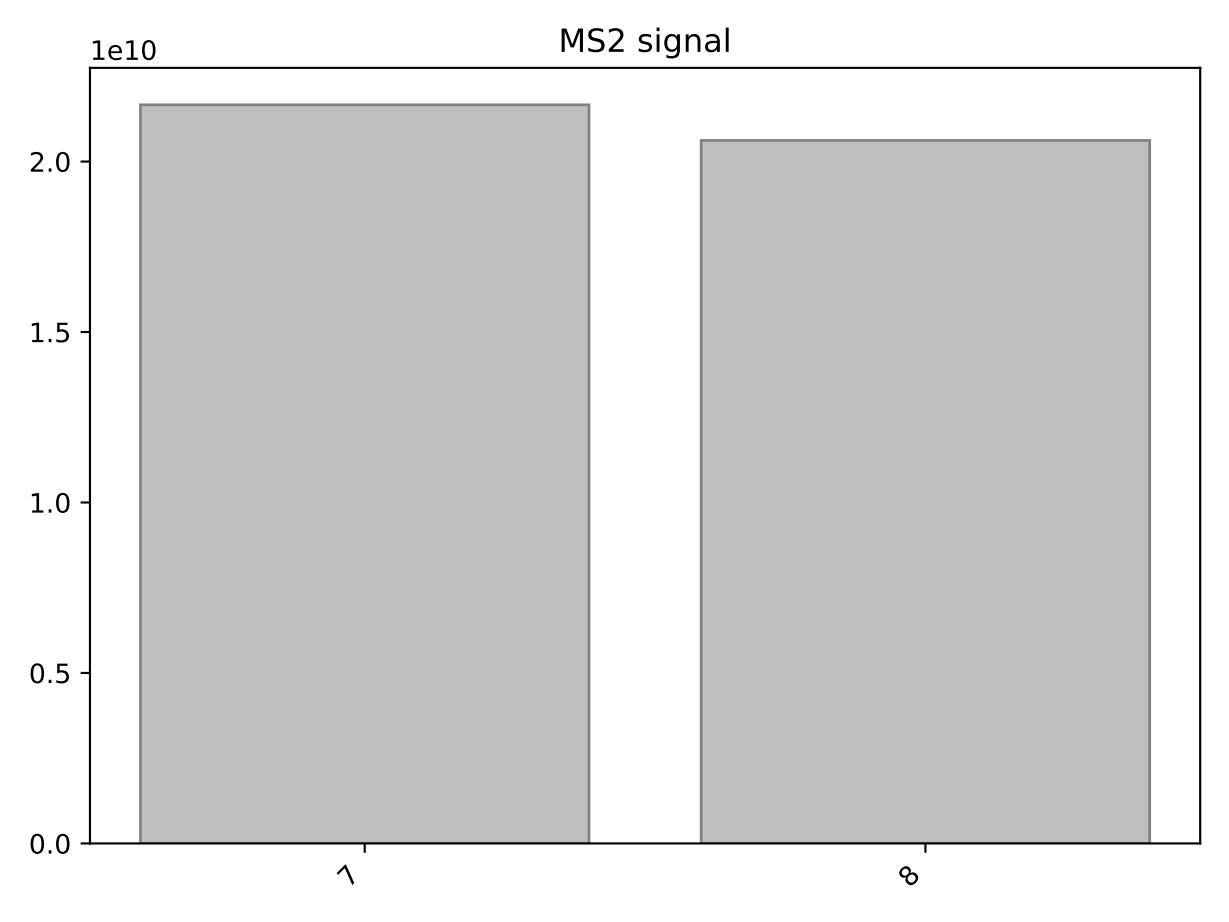

Identification consistency: unique genes, CDF
IDs
Missing values
0
1000
2000
3000
4000
5000
6000
0.0
0.2
0.4
0.6
0.8
1.0

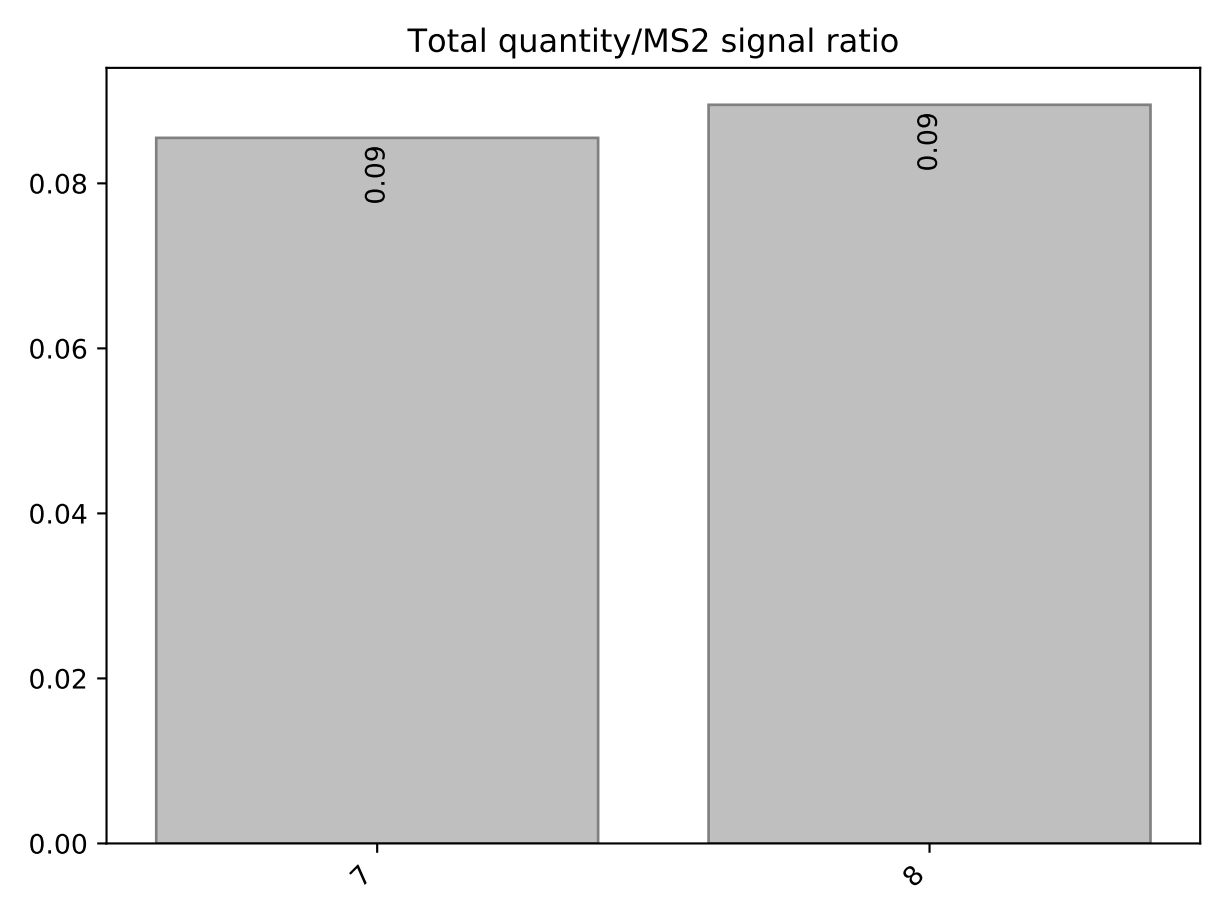

Retention times heatmap, all runs
RT
Library iRT
Retention time accuracy heatmap, all runs
RT
Predicted RT
Normalisation factor heatmap, all runs
Normalisation factor
RT

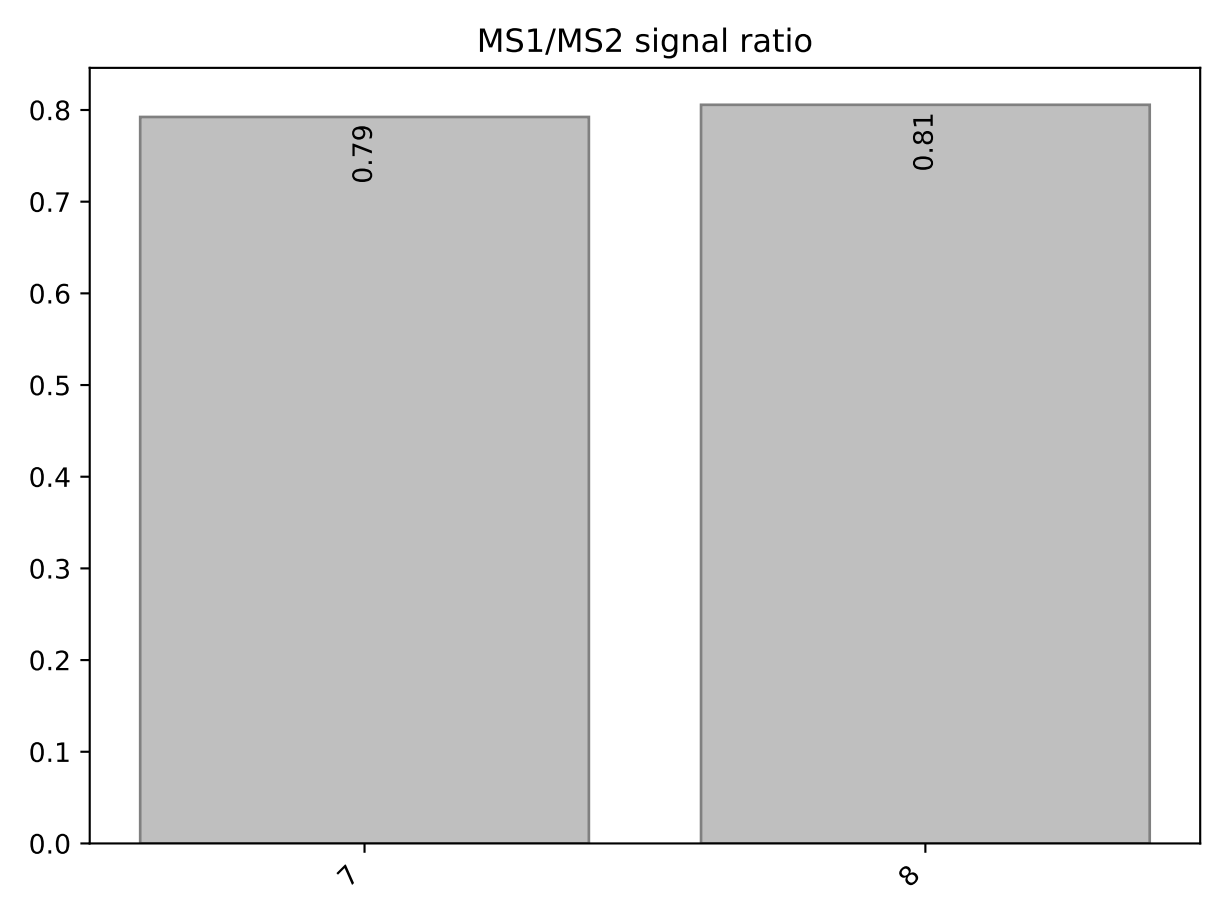

7
8
7
8
1.000
0.995
0.990
0.985
0.980
0.975
0.970
0.965
0.960

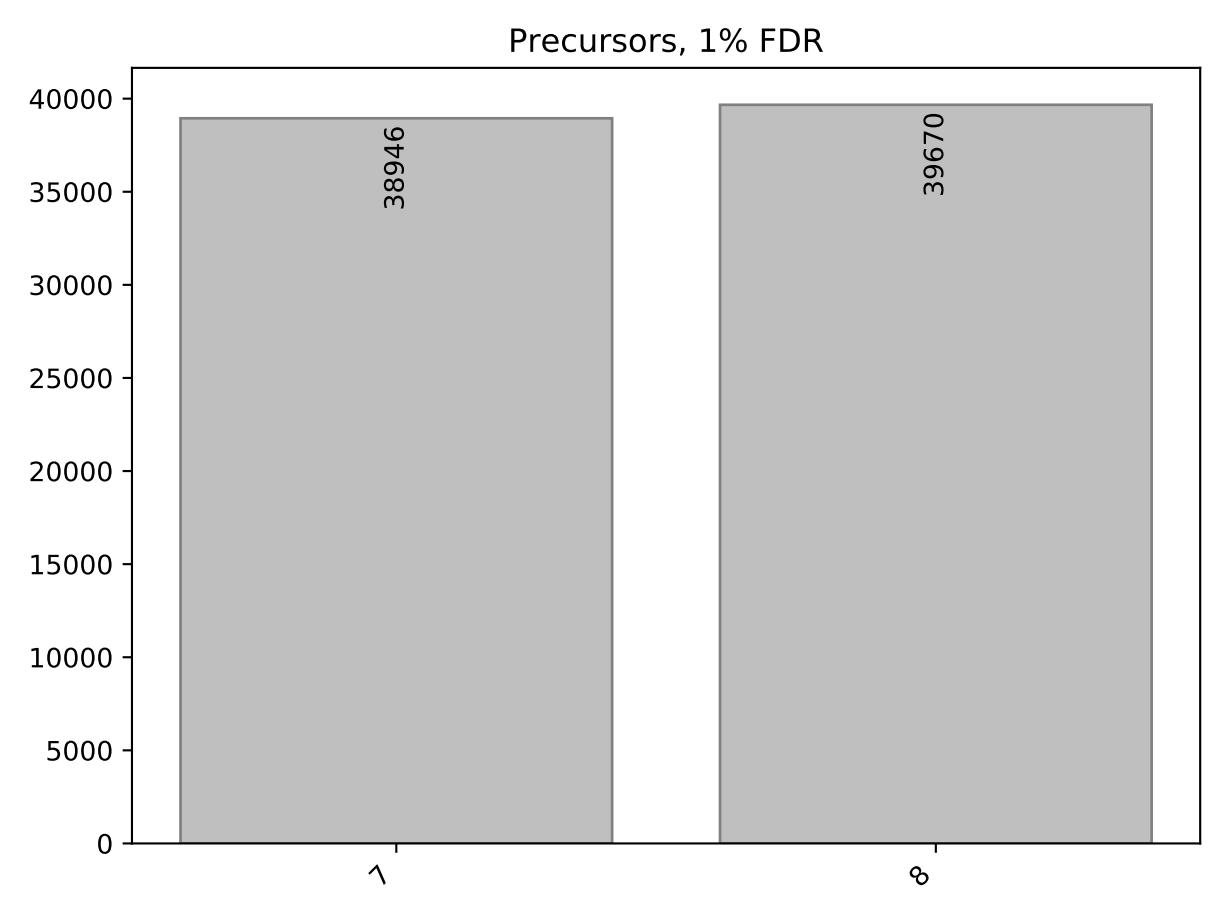

Total quantity, 1% FDR
1e9
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
7
8

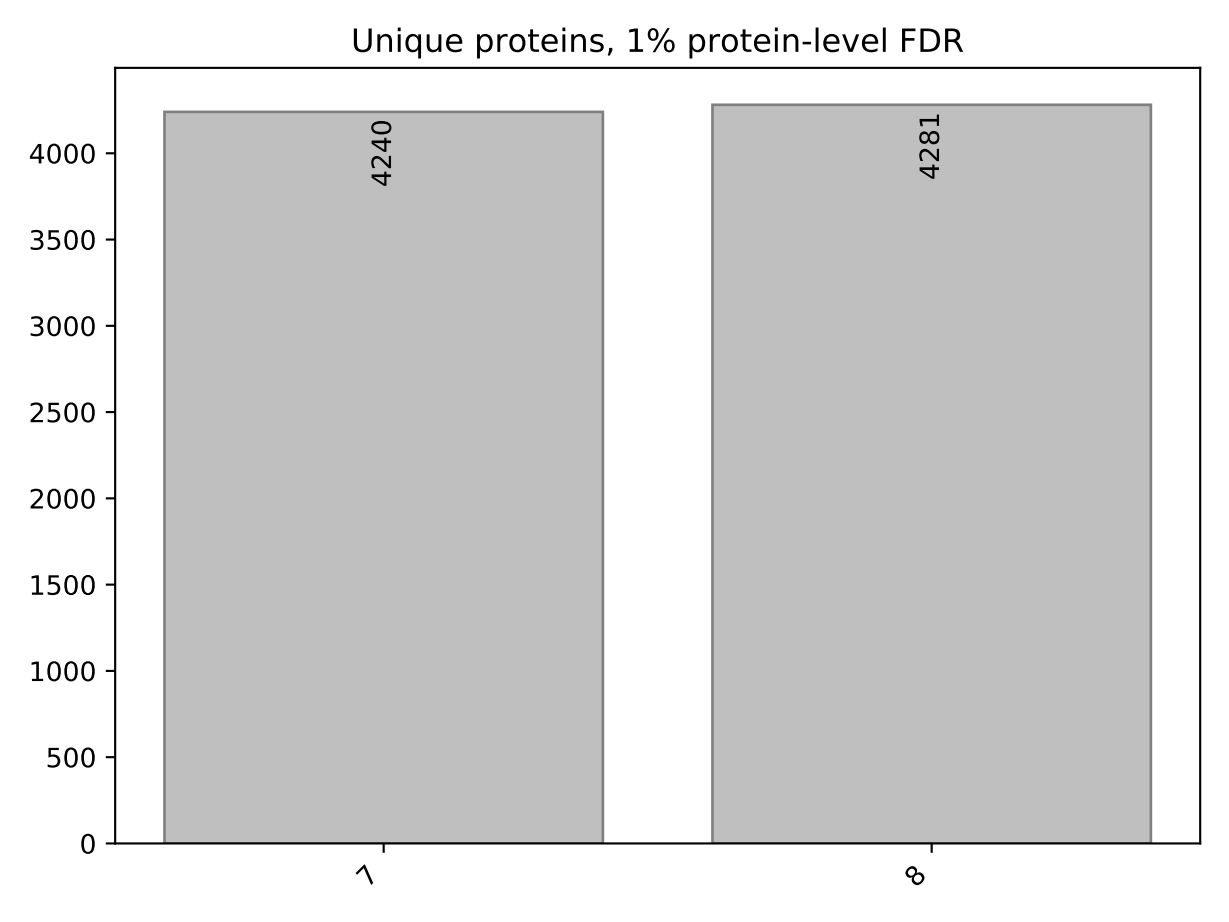

MS1 signal
1e10
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
7
8

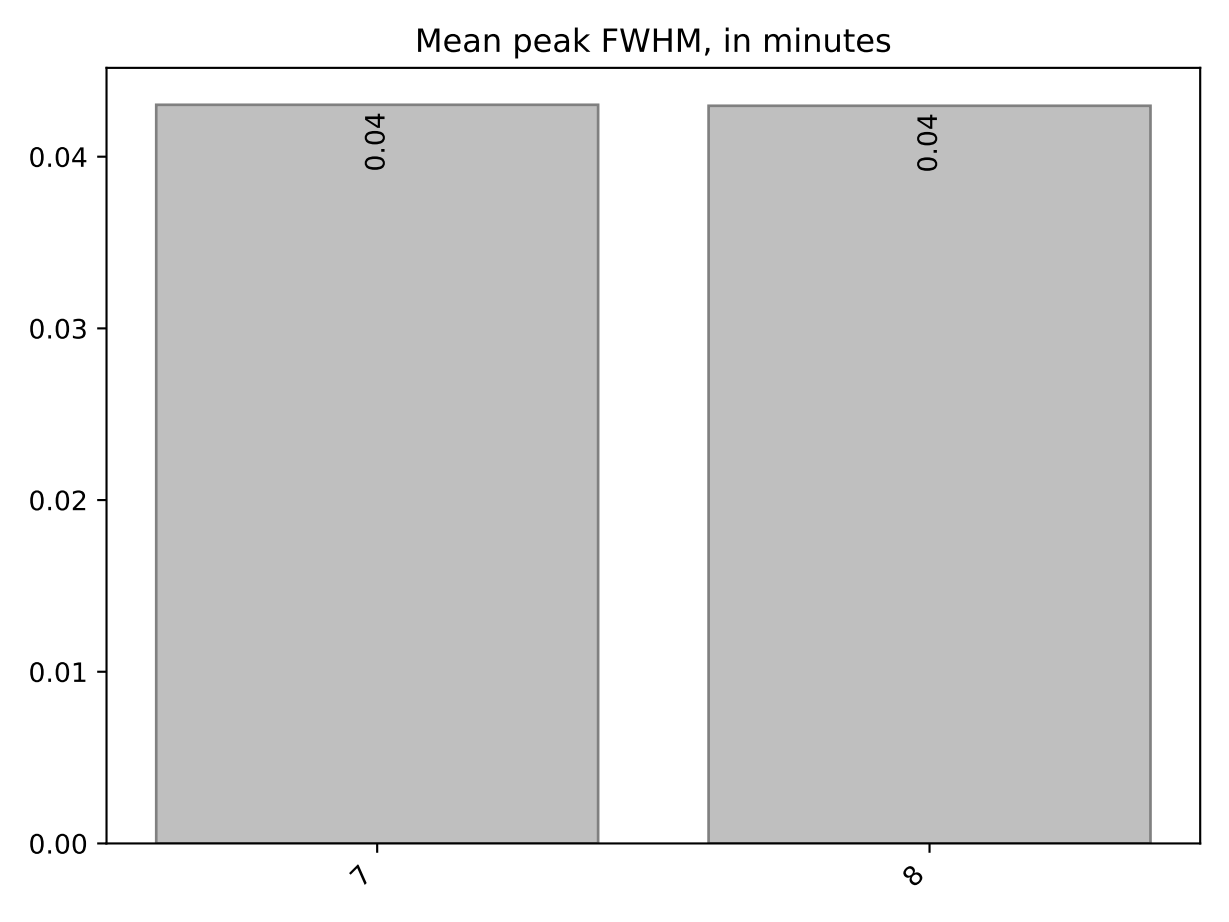

MS2 signal
1e10
2.0
1.5
1.0
0.5
0.0
7
8

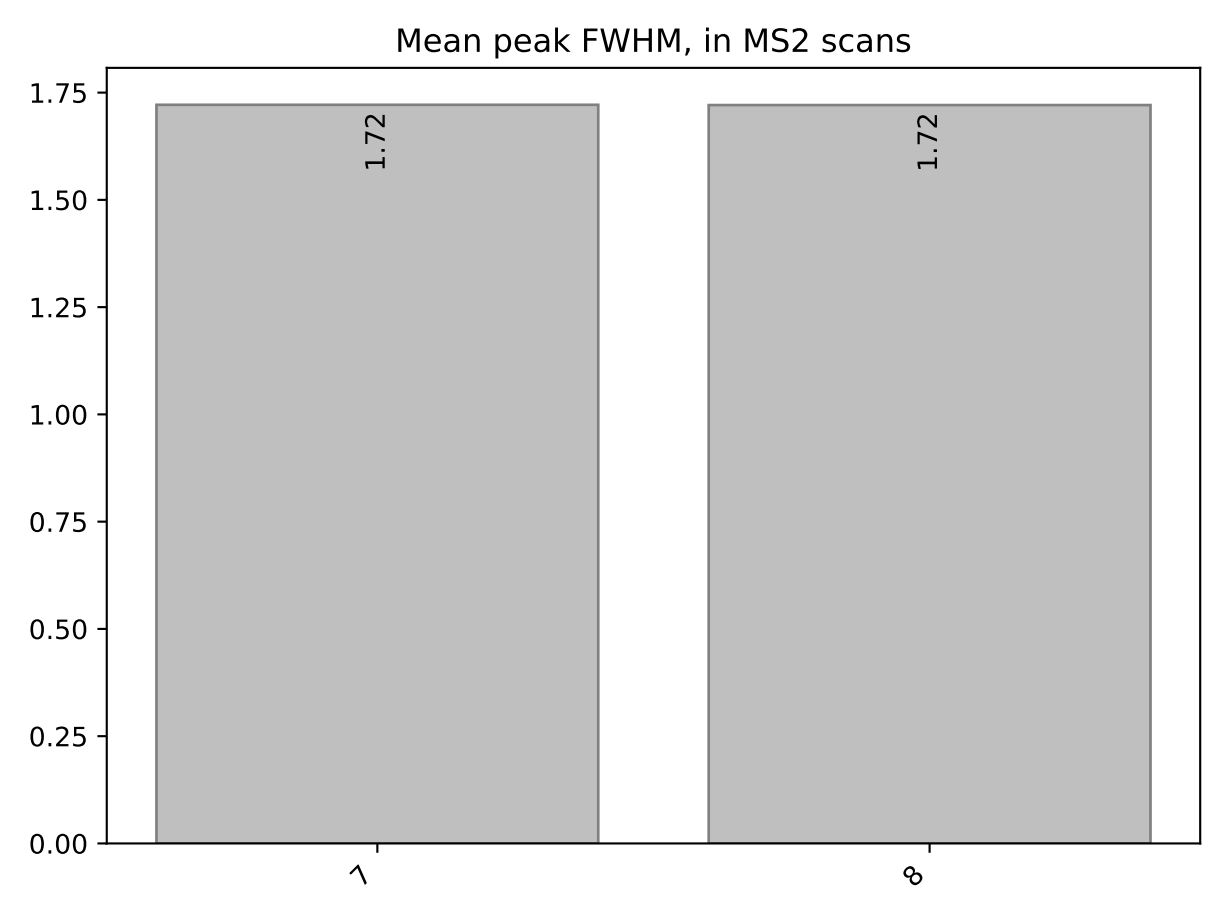

Total quantity/MS2 signal ratio
0.09
0.09
0.08
0.06
0.04
0.02
0.00
7
8

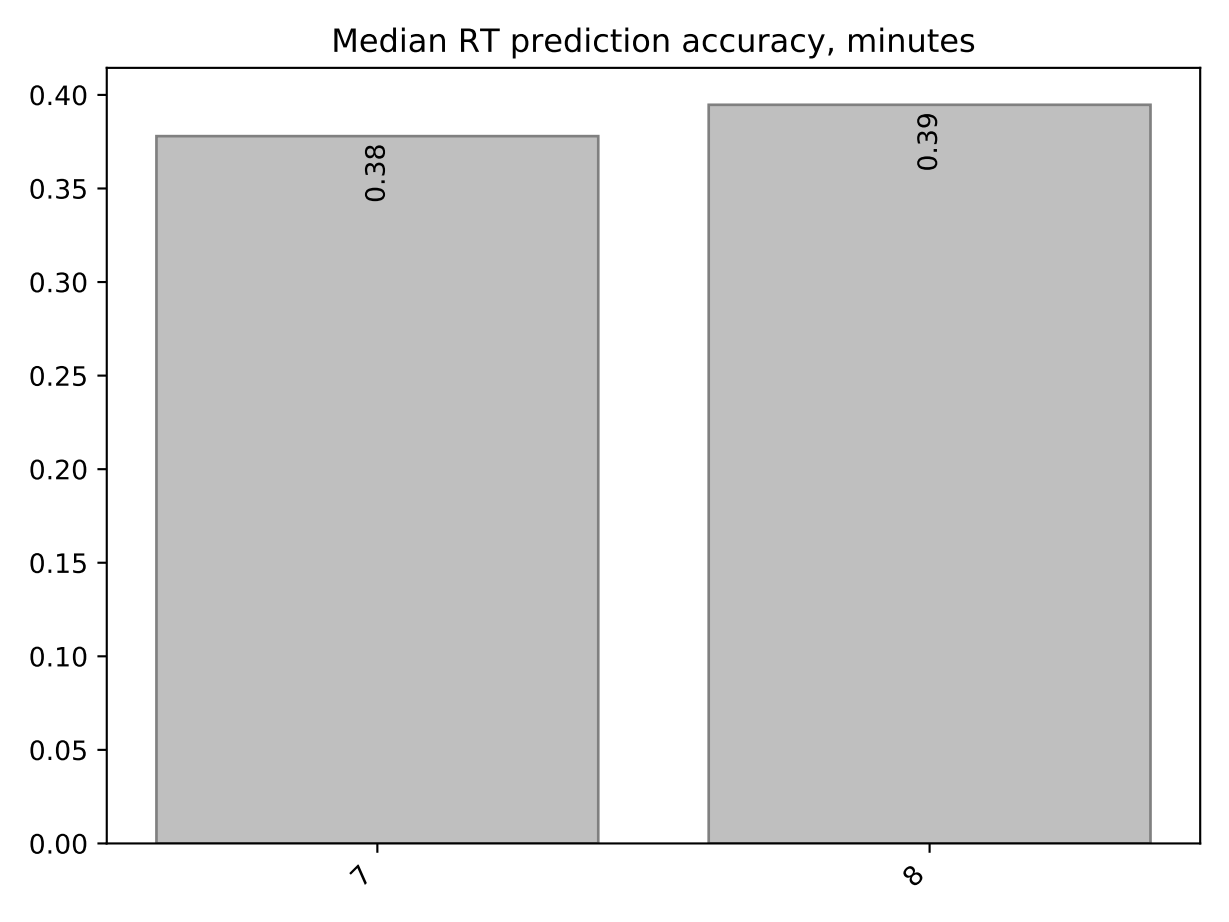

MS1/MS2 signal ratio
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.79
0.81
7
8

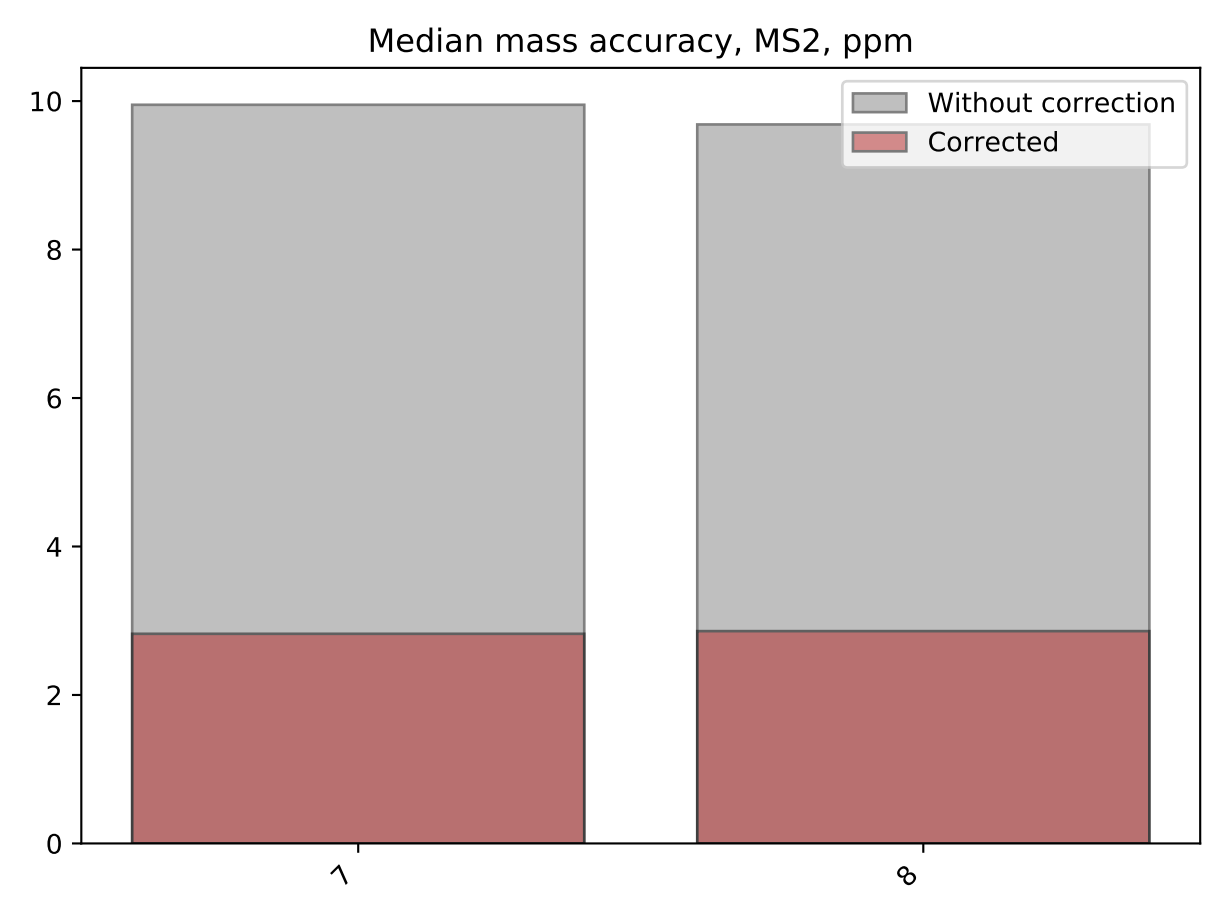

Precursors, 1% FDR
40000
35000
30000
25000
20000
15000
10000
5000
0
38946
39670
7
8

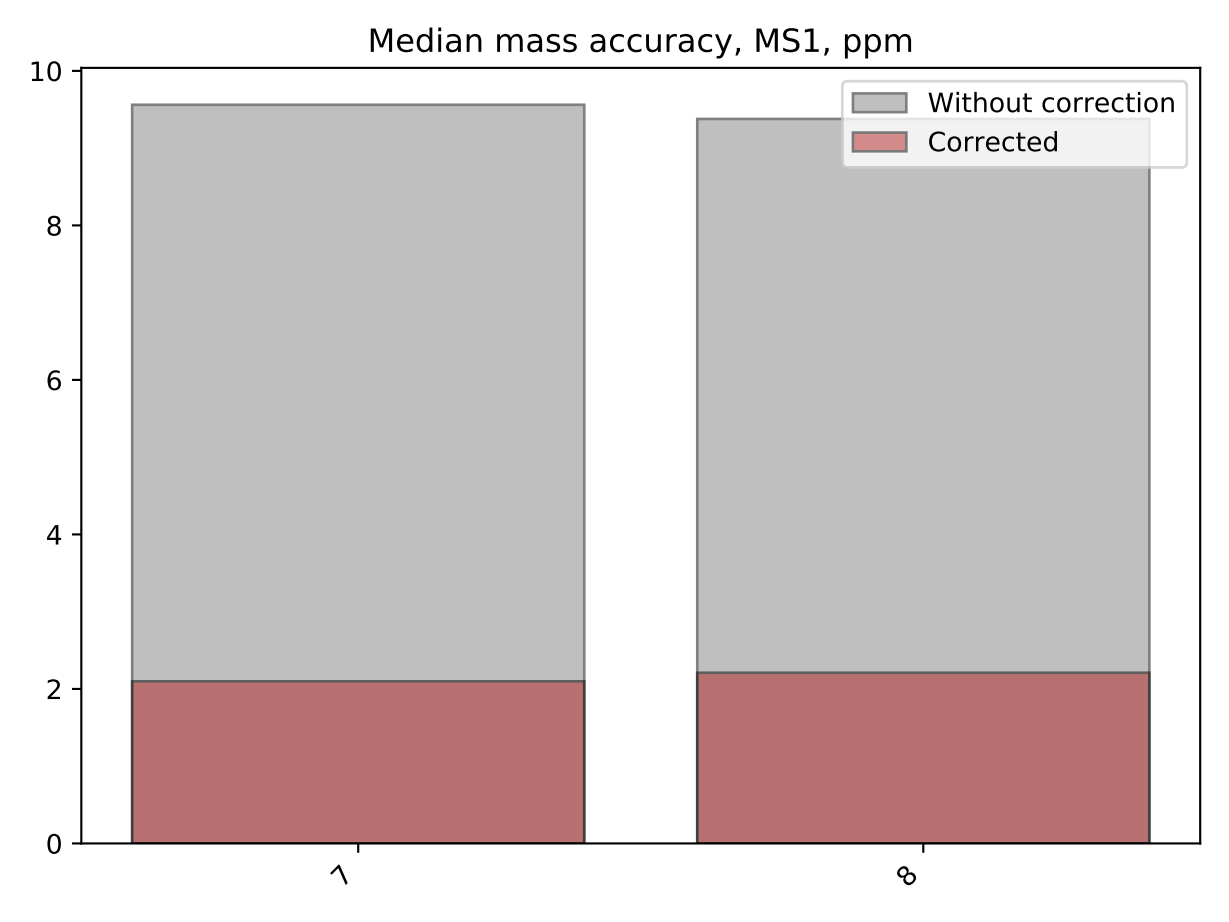

Unique proteins, 1% protein-level FDR
4240
4281
0
500
1000
1500
2000
2500
3000
3500
4000
7
8

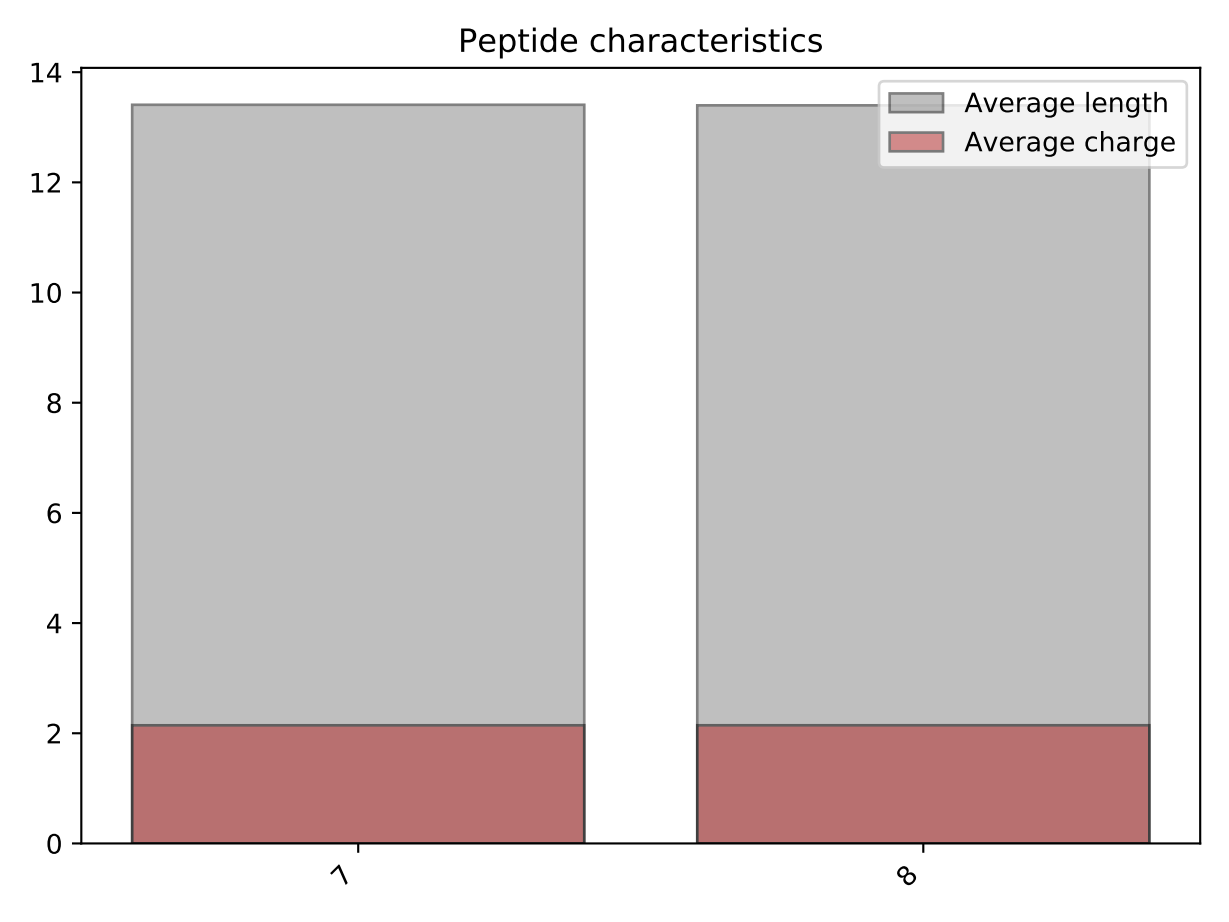

Mean peak FWHM, in minutes
0.04
0.04
0.04
0.03
0.02
0.01
0.00
7
8

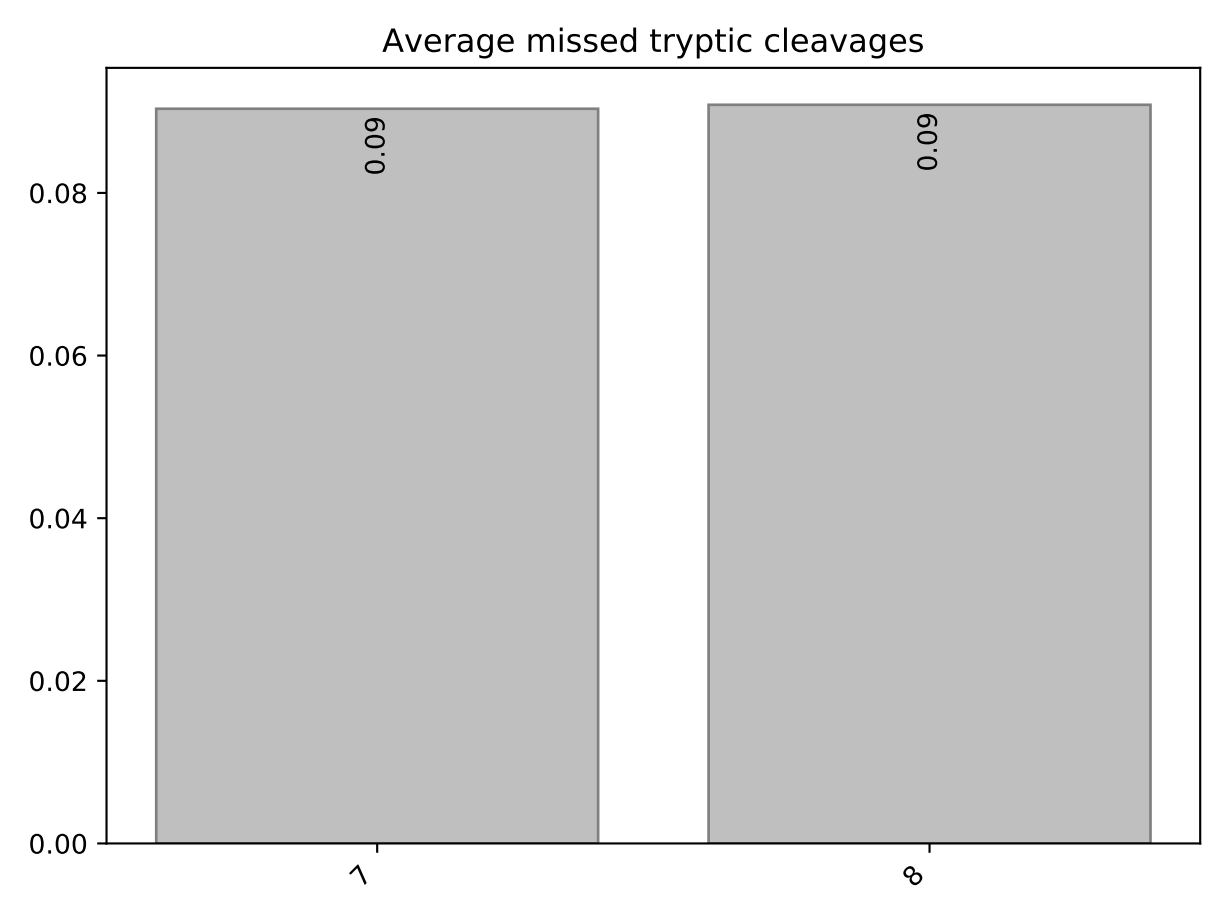

Mean peak FWHM, in MS2 scans
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
1.72
1.72
7
8

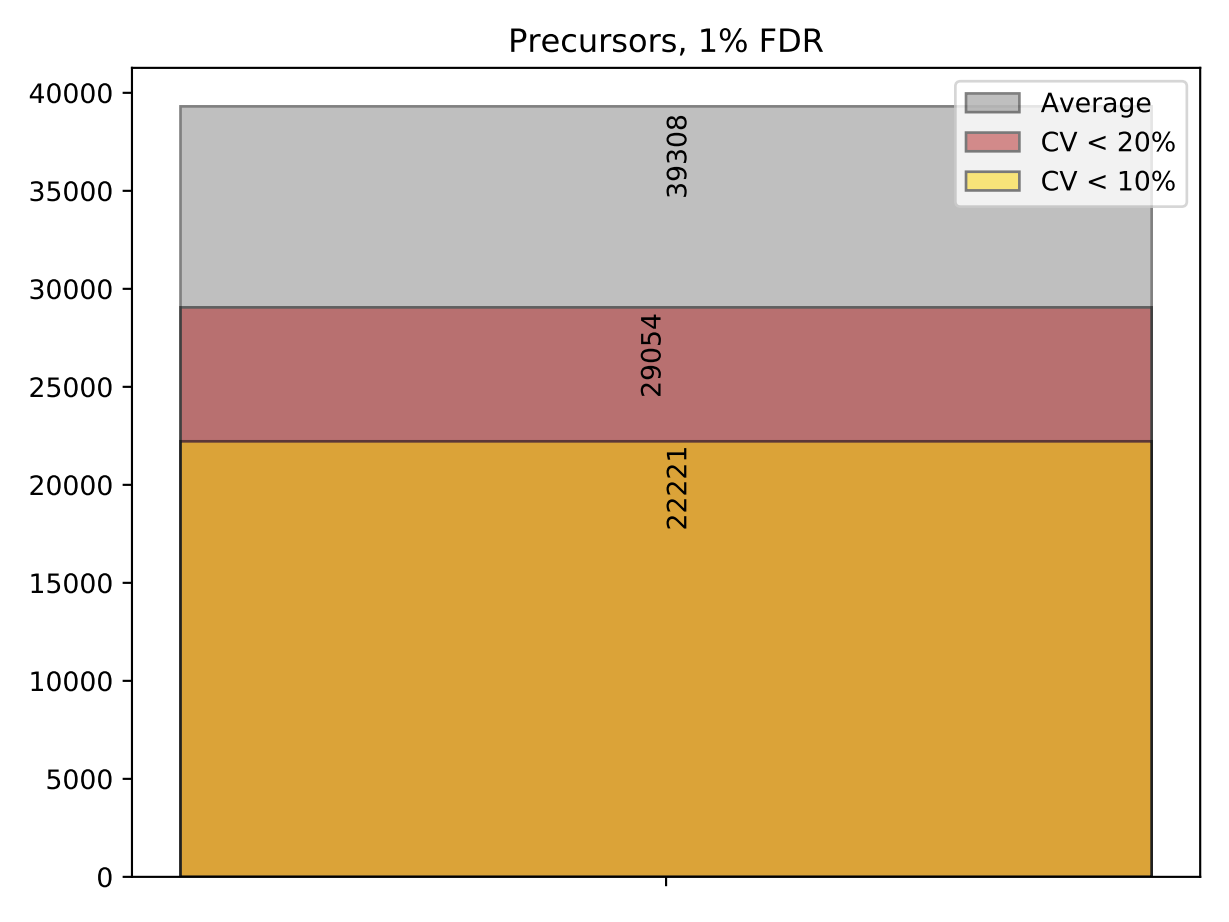

Median RT prediction accuracy, minutes
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.38
0.39
7
8

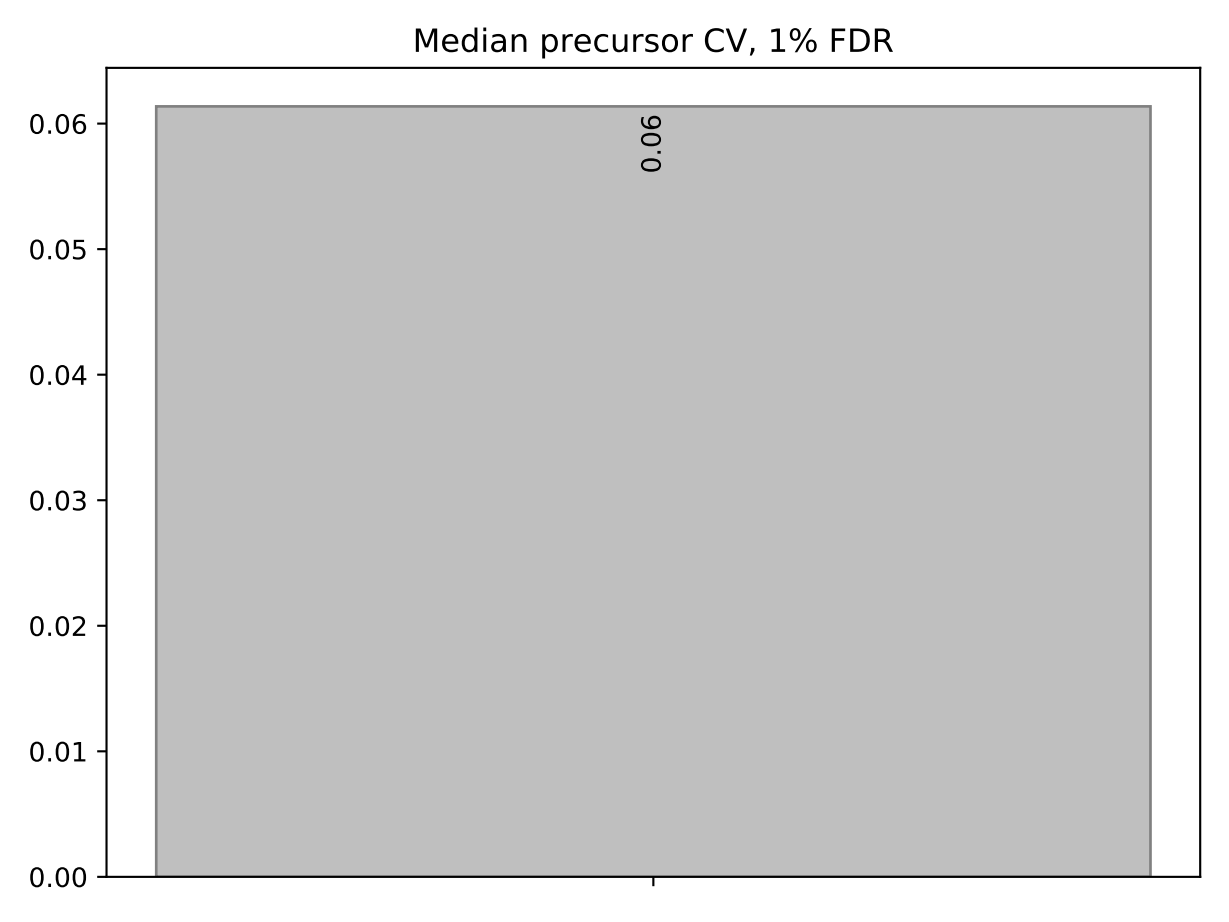

Median mass accuracy, MS2, ppm
Without correction
Corrected
10
8
6
4
2
0
7
8

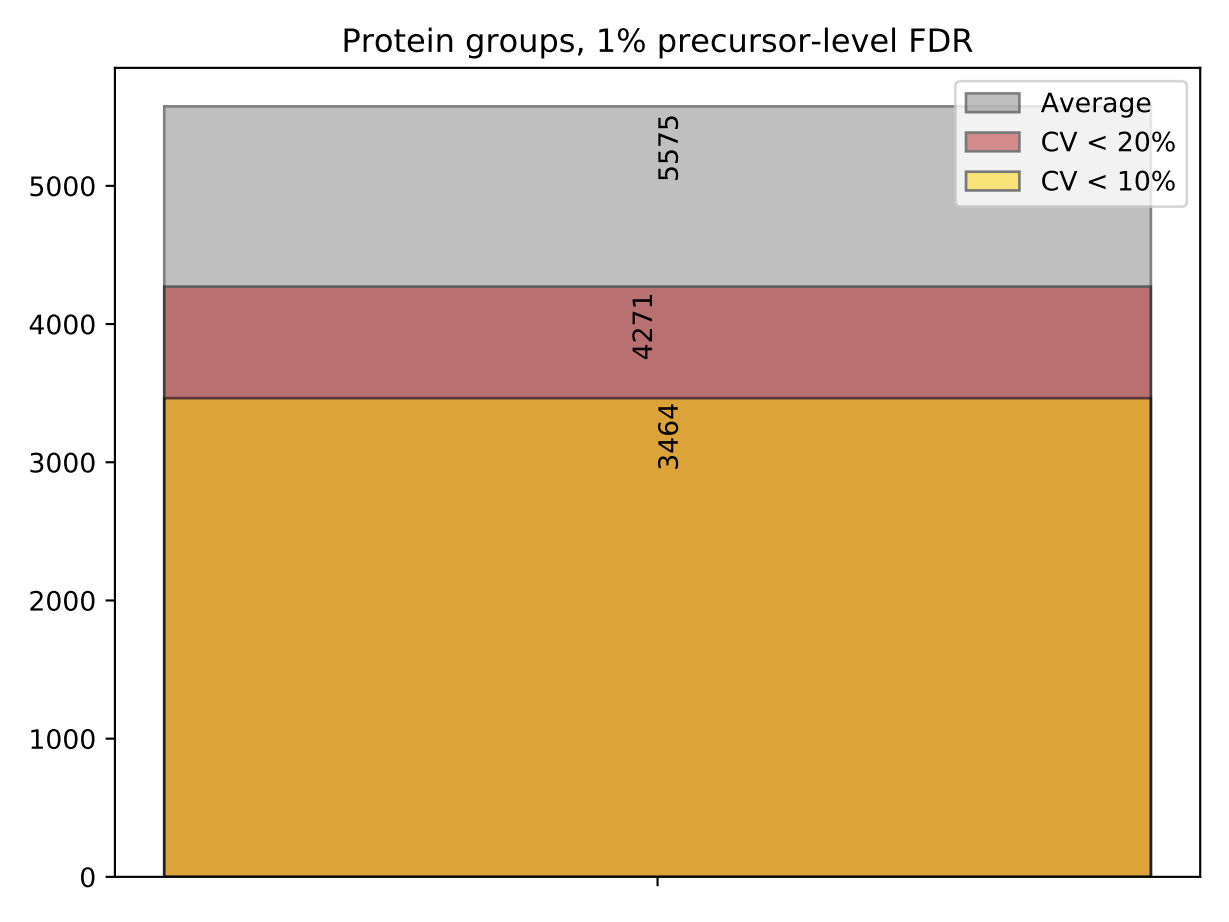

Median mass accuracy, MS1, ppm
Without correction
Corrected
10
8
6
4
2
0
7
8

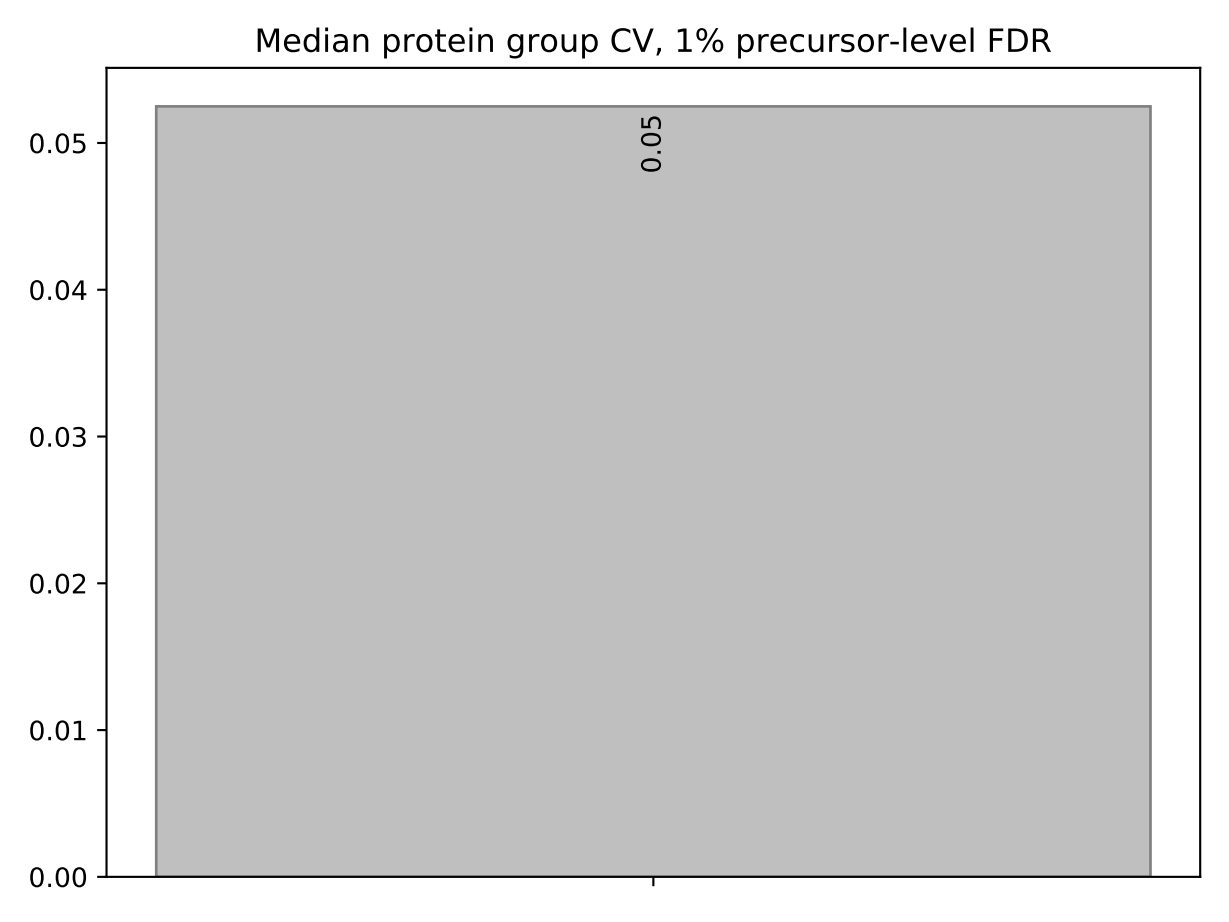

Peptide characteristics
Average length
Average charge
14
12
10
8
6
4
2
0
7
8

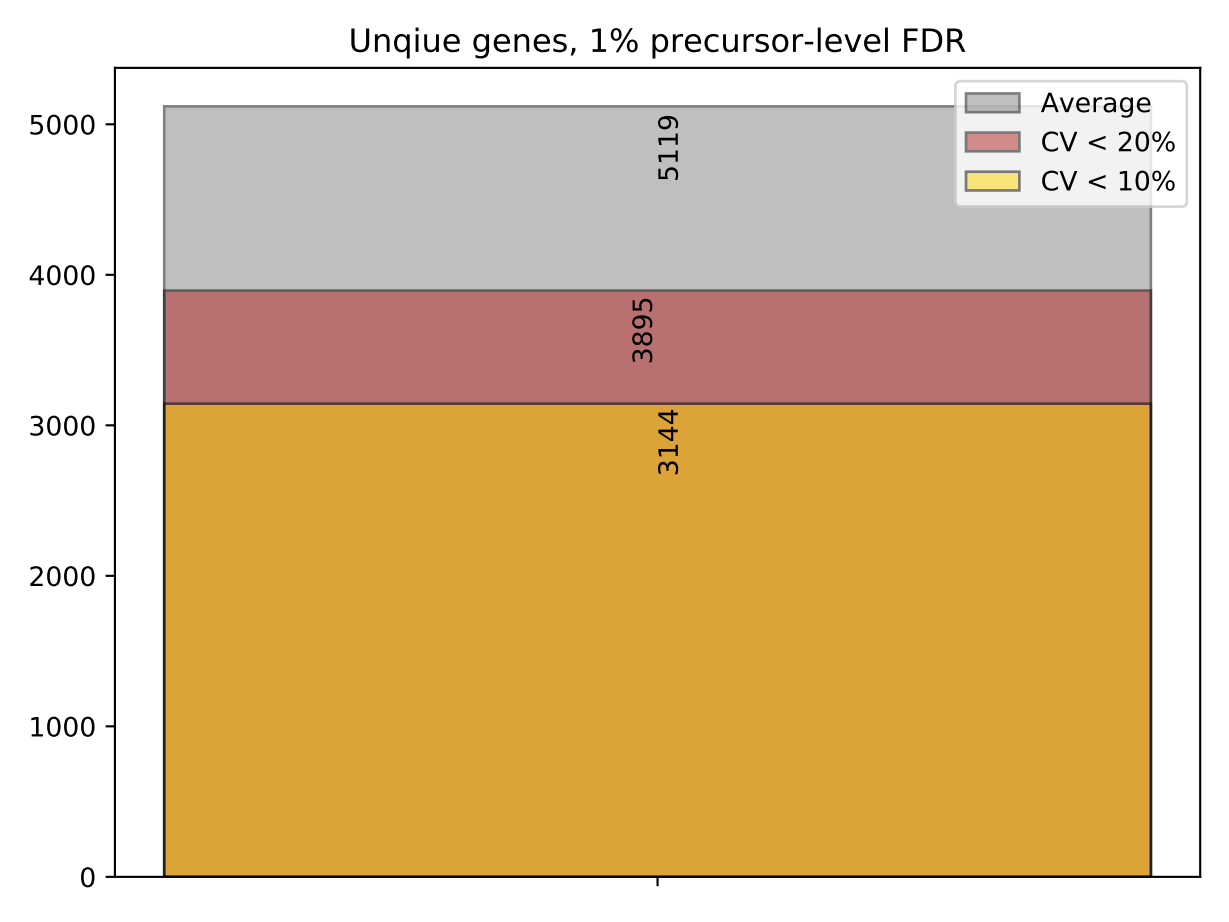

Average missed tryptic cleavages
0.09
0.09
0.00
0.02
0.04
0.06
0.08
7
8

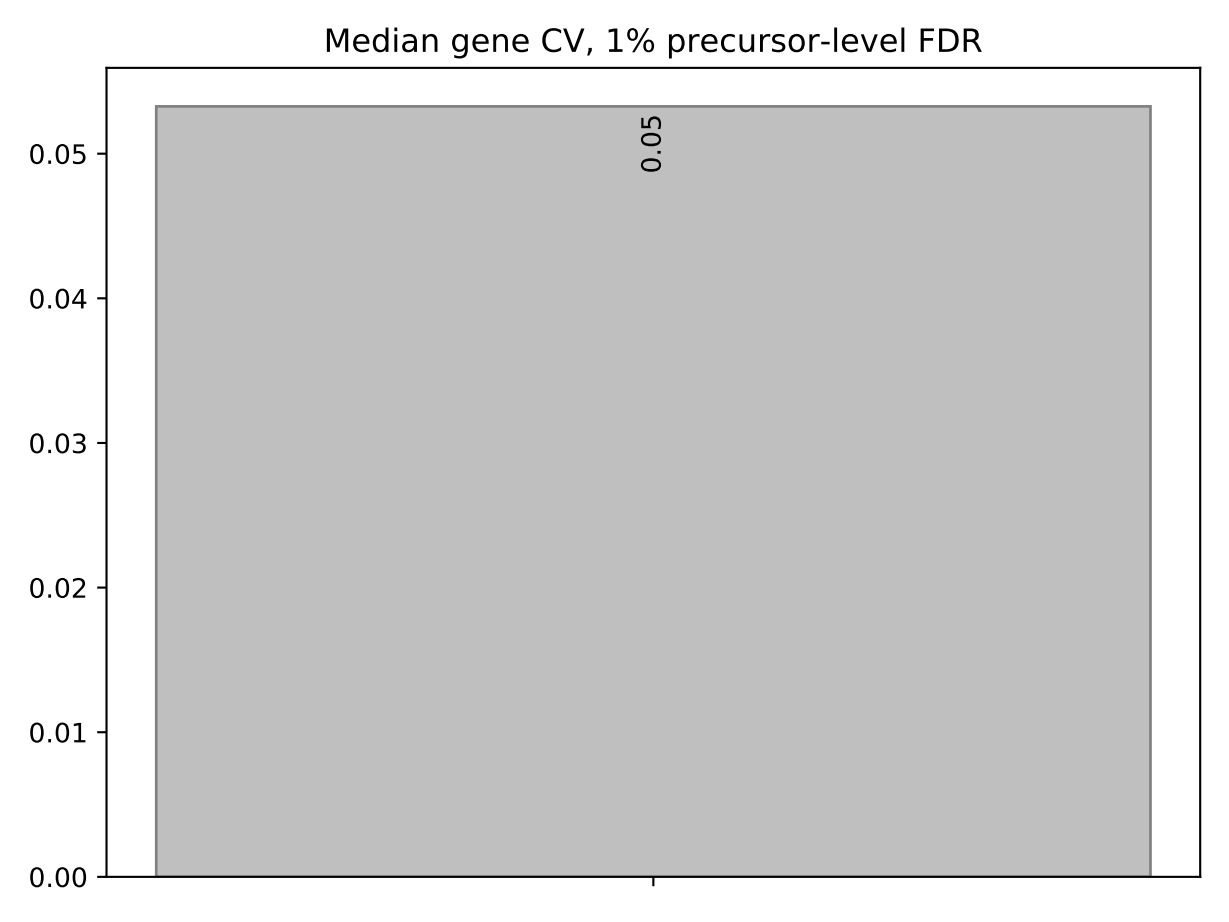

Precursors, 1% FDR
Average
CV < 20%
CV < 10%
39308
29054
22221
40000
35000
30000
25000
20000
15000
10000
5000
0


Median precursor CV, 1% FDR
0.06
0.00
0.01
0.02
0.03
0.04
0.05
0.06


Protein groups, 1% precursor-level FDR
Average
CV < 20%
CV < 10%
5575
4271
3464
5000
4000
3000
2000
1000
0


Median protein group CV, 1% precursor-level FDR
0.05
0.00
0.01
0.02
0.03
0.04
0.05


Unqiue genes, 1% precursor-level FDR
Average
CV < 20%
CV < 10%
5119
3895
3144
5000
4000
3000
2000
1000
0


Median gene CV, 1% precursor-level FDR
0.05
0.00
0.01
0.02
0.03
0.04
0.05