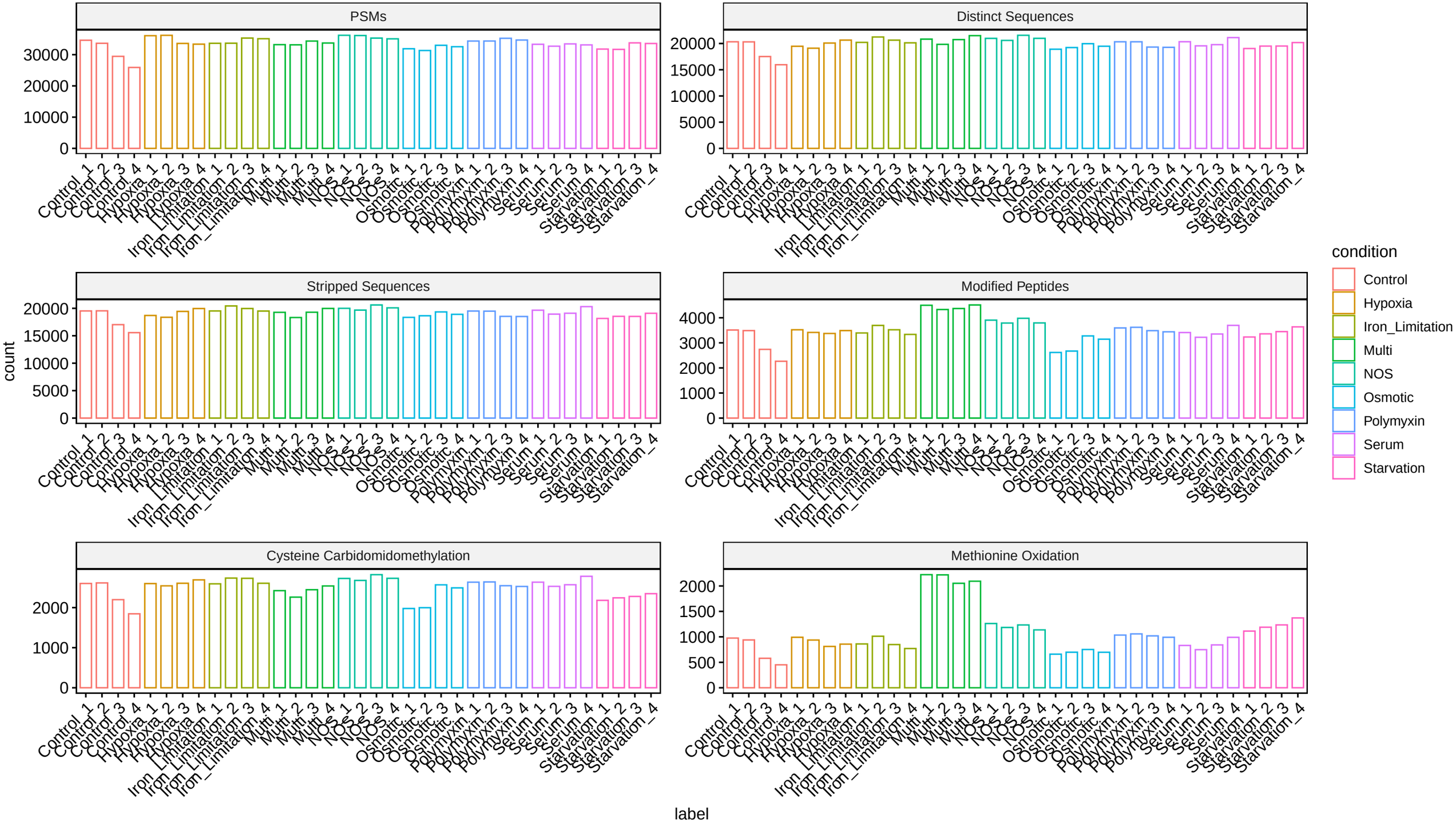
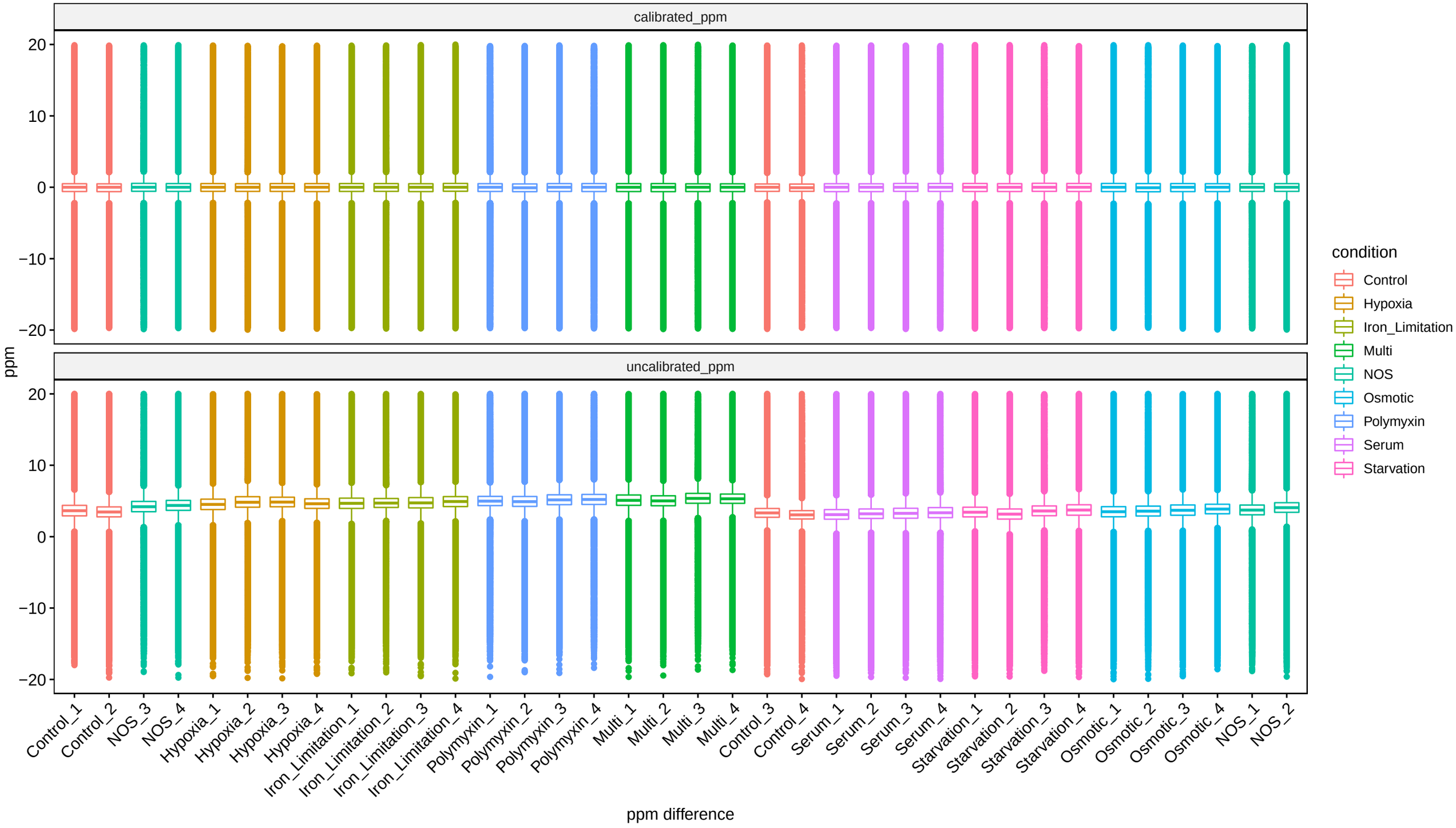
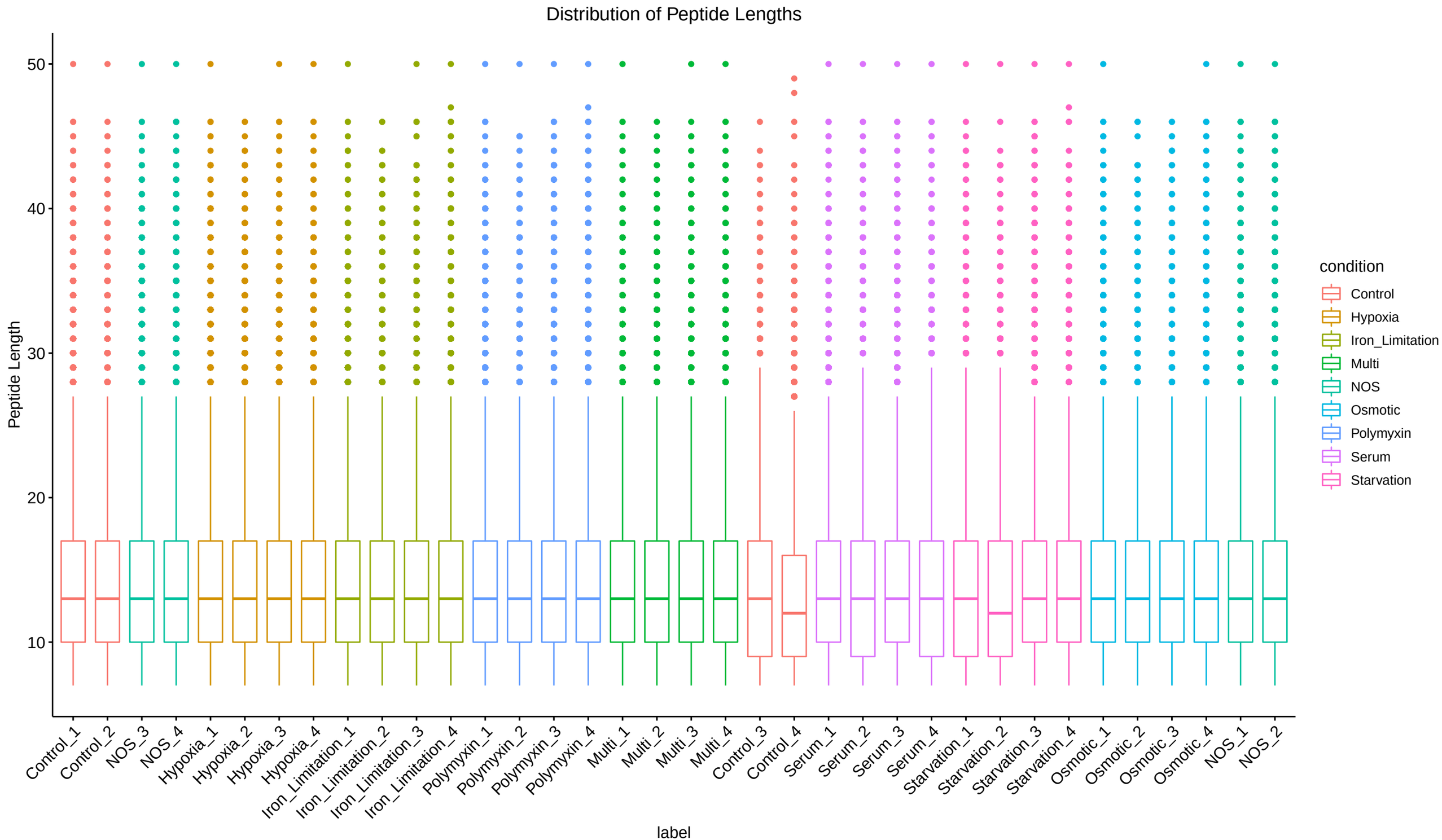
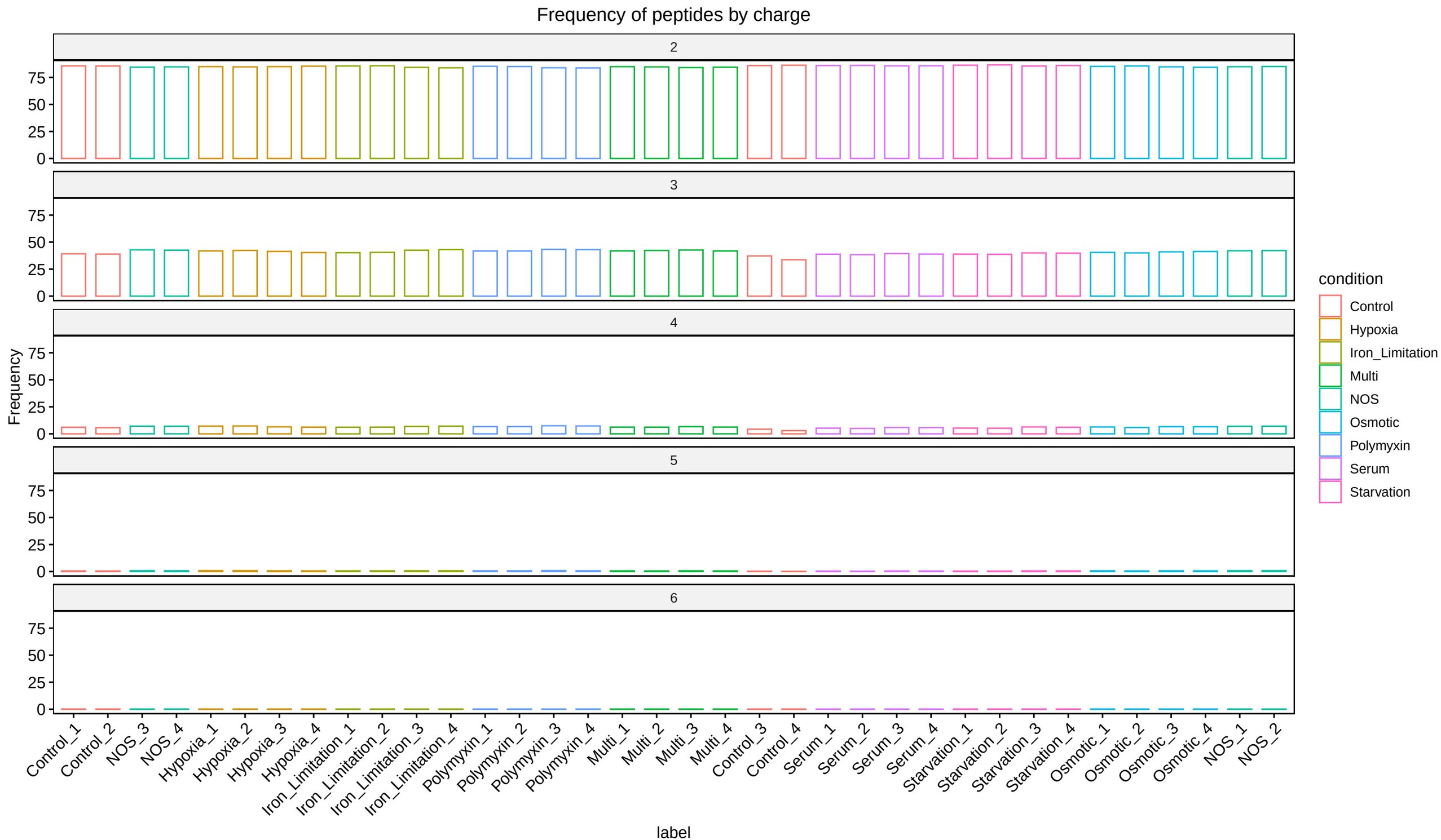
Peptide and PSM counts

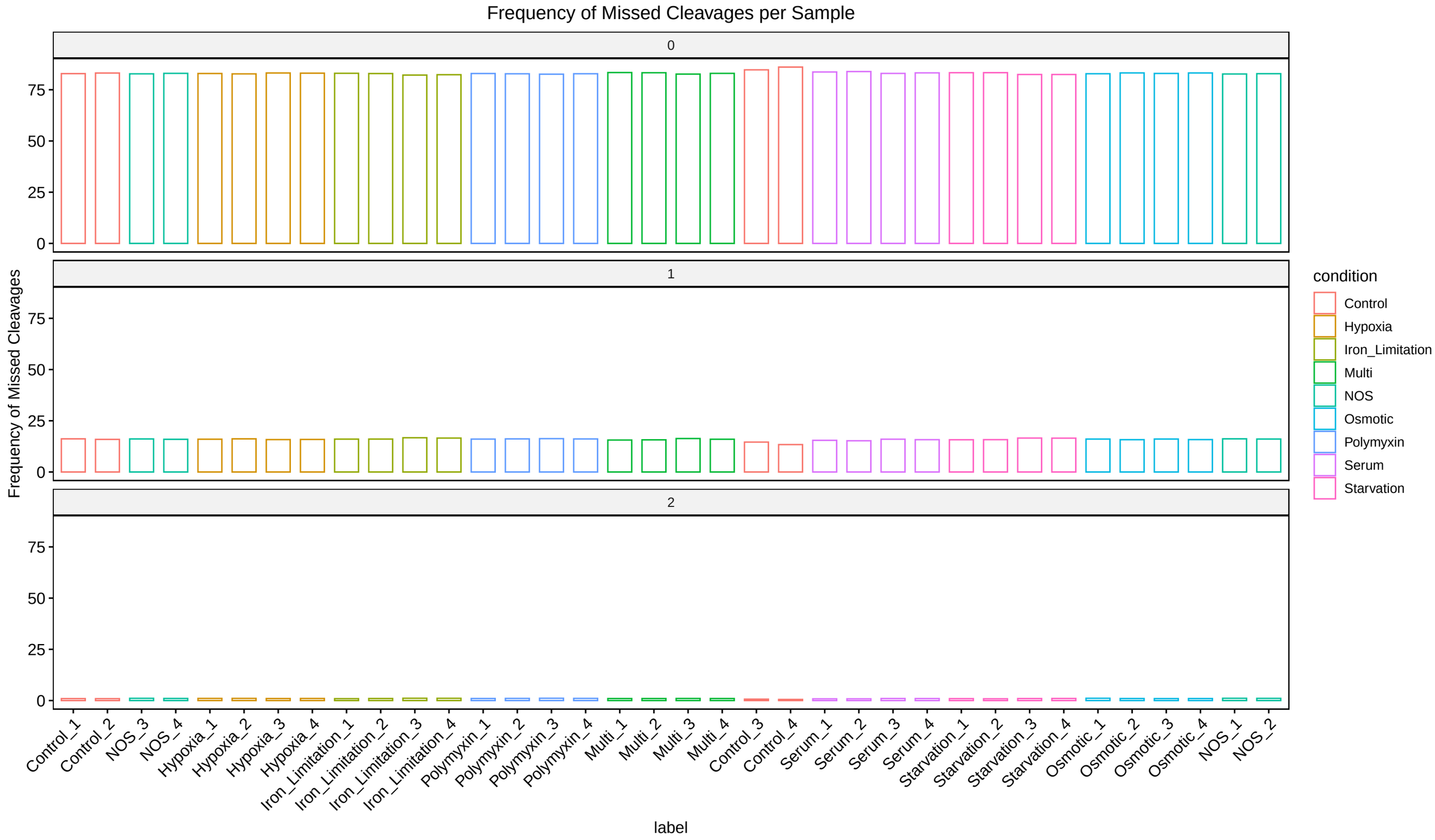


Distribution of the differences between observed m/z and calculated m/z in ppm

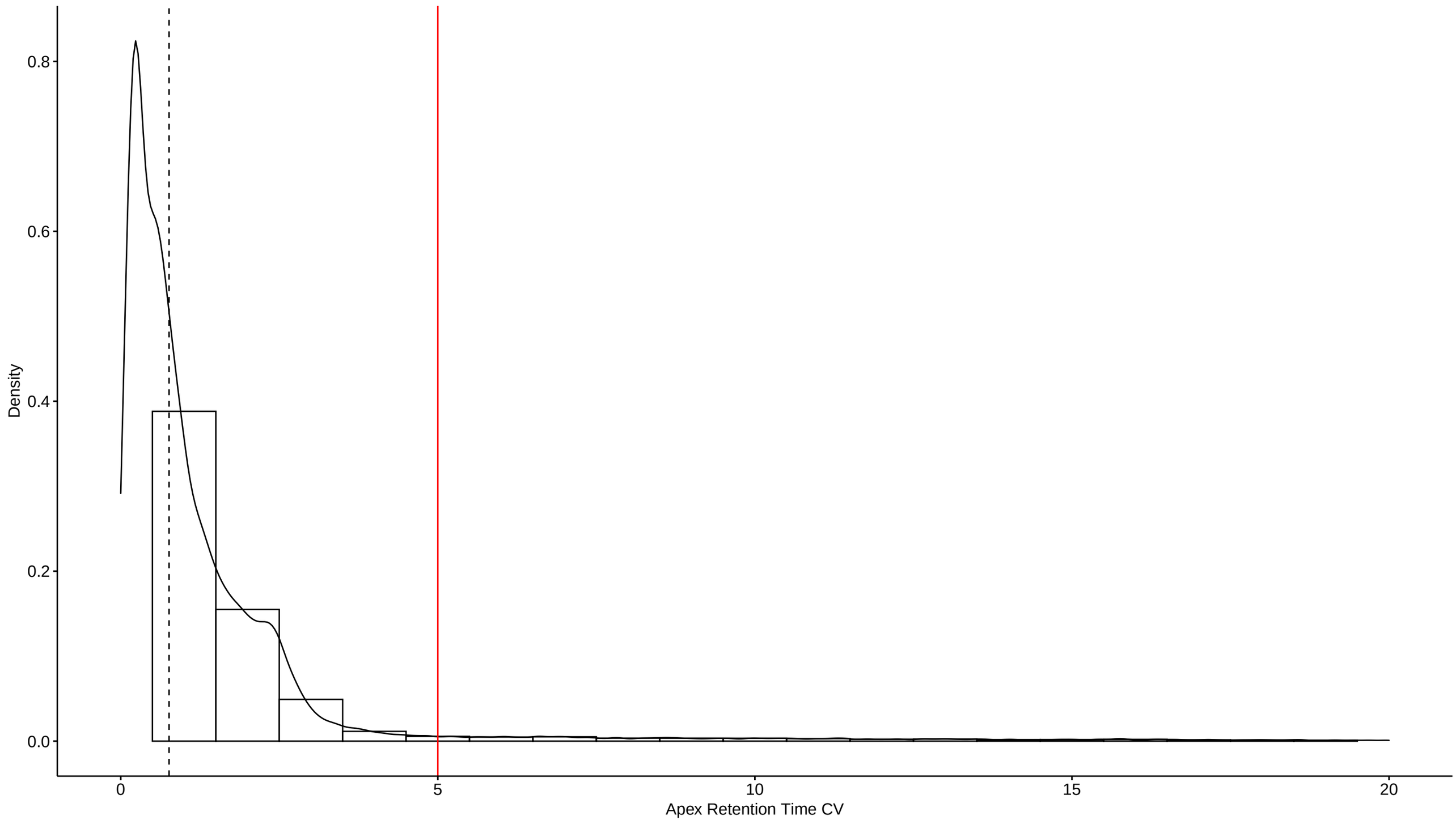



Distribution of Peptide Lengths
Peptide Length
50
40
30
20
10
Control_1
Control_2
NOS_3
NOS_4
Hypoxia_1
Hypoxia_2
Hypoxia_3
Hypoxia_4
Iron_Limitation_1
Iron_Limitation_2
Iron_Limitation_3
Iron_Limitation_4
Polymyxin_1
Polymyxin_2
Polymyxin_3
Polymyxin_4
Multi_1
Multi_2
Multi_3
Multi_4
Control_3
Control_4
Serum_1
Serum_2
Serum_3
Serum_4
Starvation_1
Starvation_2
Starvation_3
Starvation_4
Osmotic_1
Osmotic_2
Osmotic_3
Osmotic_4
NOS_1
NOS_2
label
condition
Control
Hypoxia
Iron_Limitation
Multi
NOS
Osmotic
Polymyxin
Serum
Starvation

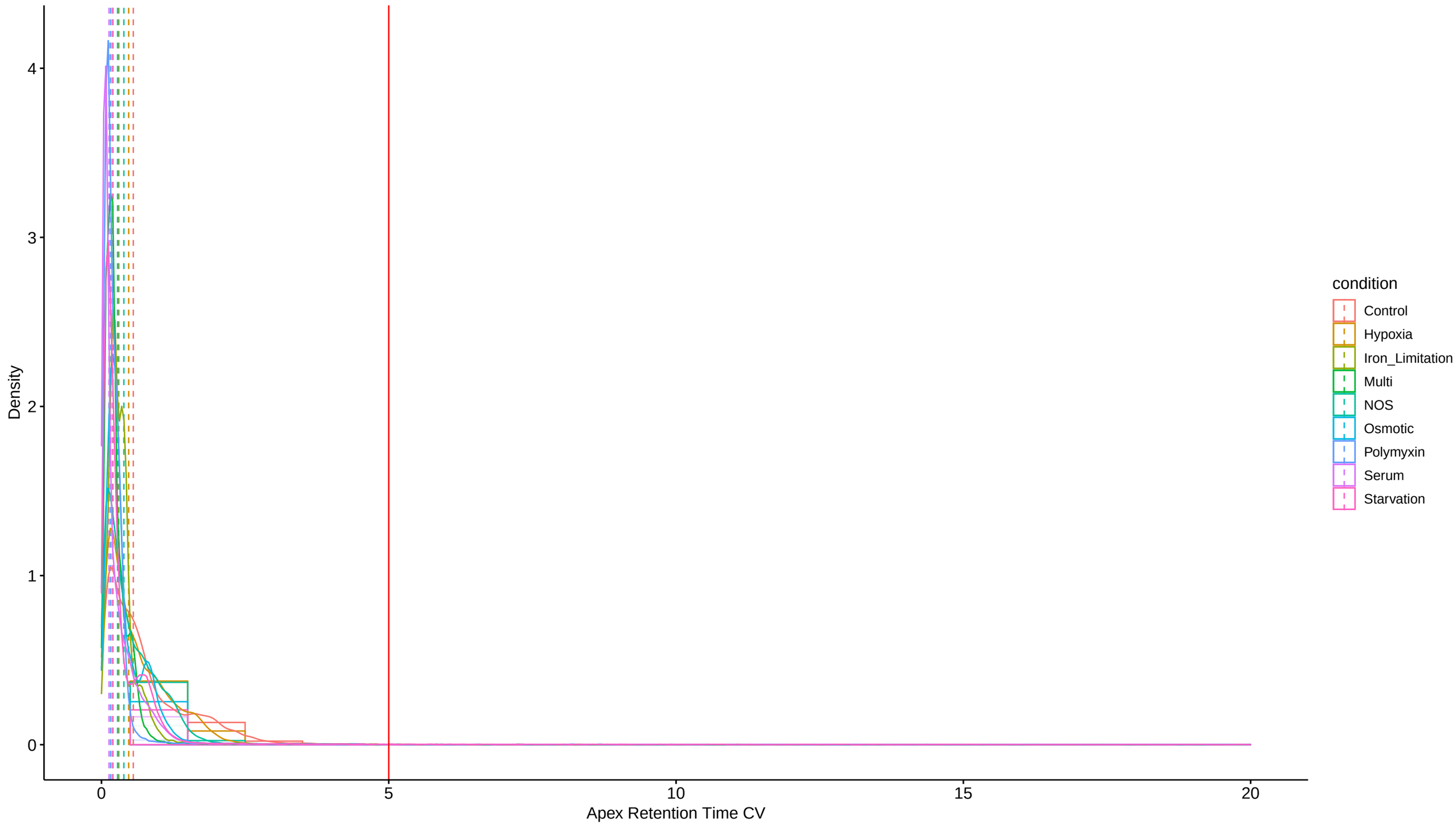

Frequency of peptides by charge
2
3
4
5
6
Frequency
75
50
25
0
Control_1
Control_2
NOS_3
NOS_4
Hypoxia_1
Hypoxia_2
Hypoxia_3
Hypoxia_4
Iron_Limitation_1
Iron_Limitation_2
Iron_Limitation_3
Iron_Limitation_4
Polymyxin_1
Polymyxin_2
Polymyxin_3
Polymyxin_4
Multi_1
Multi_2
Multi_3
Multi_4
Control_3
Control_4
Serum_1
Serum_2
Serum_3
Serum_4
Starvation_1
Starvation_2
Starvation_3
Starvation_4
Osmotic_1
Osmotic_2
Osmotic_3
Osmotic_4
NOS_1
NOS_2
label
condition
Control
Hypoxia
Iron_Limitation
Multi
NOS
Osmotic
Polymyxin
Serum
Starvation

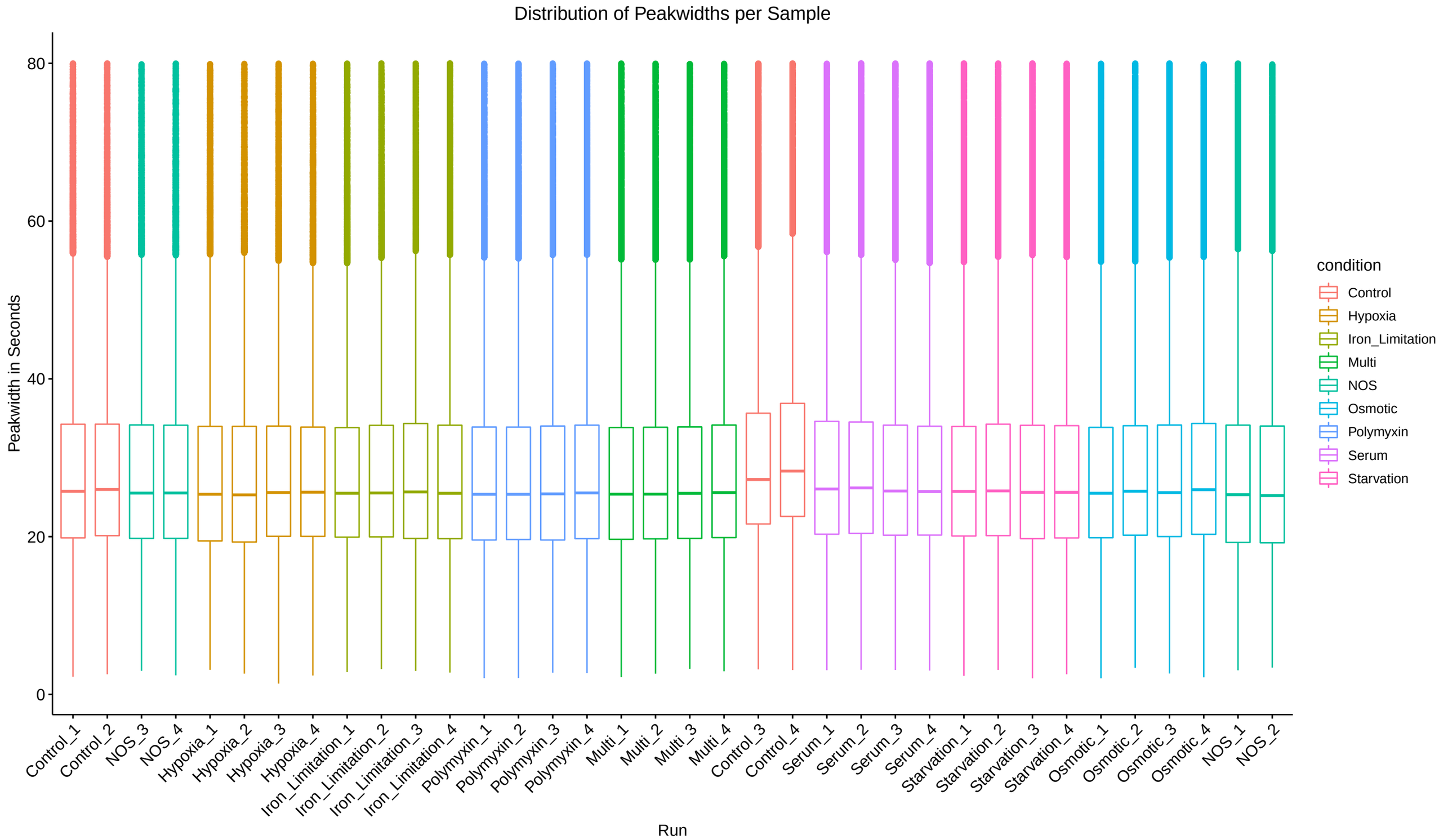

Frequency of Missed Cleavages per Sample
0
1
2
Frequency of Missed Cleavages
0
25
50
75
Control_1
Control_2
NOS_3
NOS_4
Hypoxia_1
Hypoxia_2
Hypoxia_3
Hypoxia_4
Iron_Limitation_1
Iron_Limitation_2
Iron_Limitation_3
Iron_Limitation_4
Polymyxin_1
Polymyxin_2
Polymyxin_3
Polymyxin_4
Multi_1
Multi_2
Multi_3
Multi_4
Control_3
Control_4
Serum_1
Serum_2
Serum_3
Serum_4
Starvation_1
Starvation_2
Starvation_3
Starvation_4
Osmotic_1
Osmotic_2
Osmotic_3
Osmotic_4
NOS_1
NOS_2
label
condition
Control
Hypoxia
Iron_Limitation
Multi
NOS
Osmotic
Polymyxin
Serum
Starvation

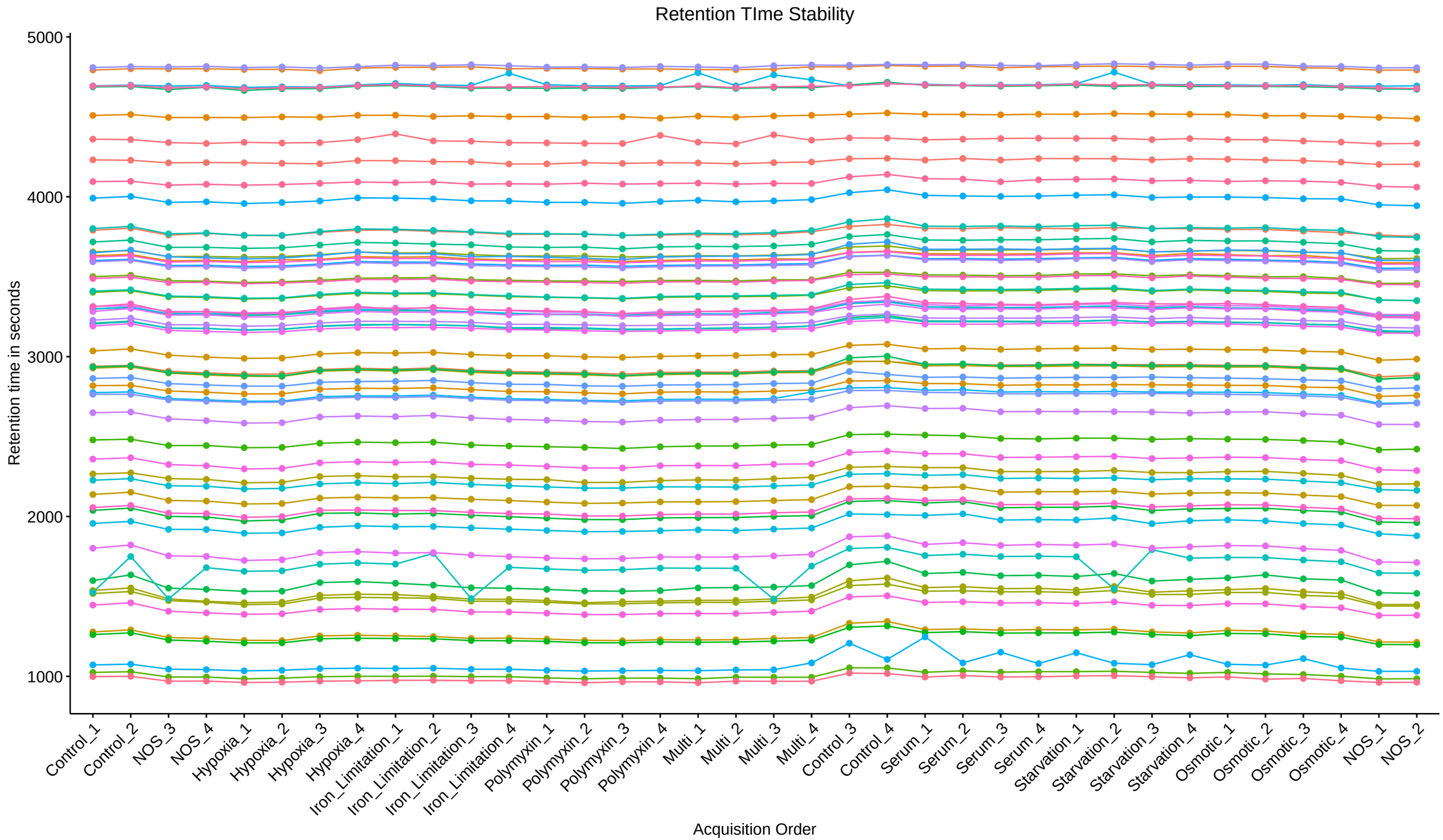
Distribution of apex retention time CVs

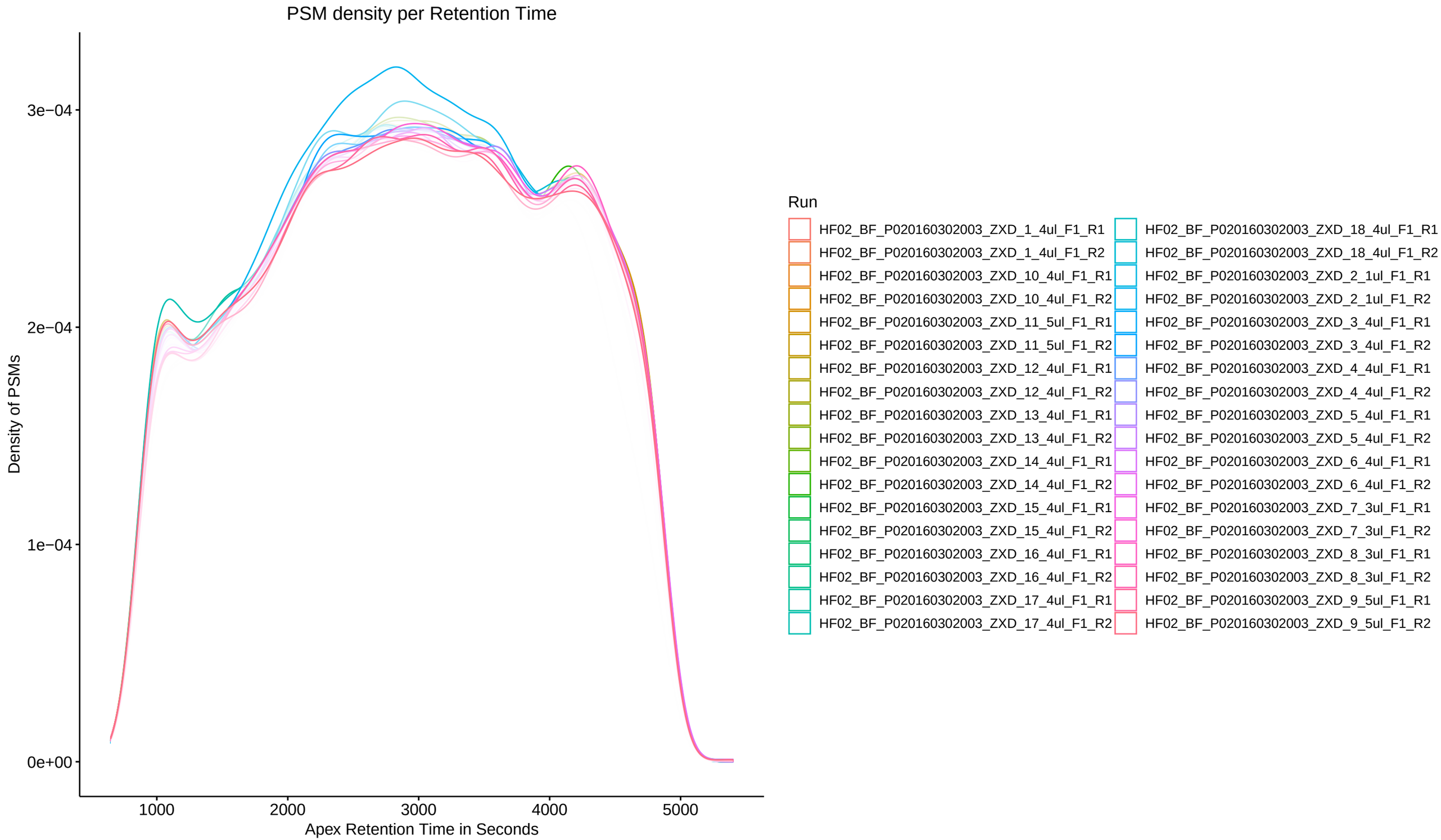


Distribution of apex retention time CVs per condition




Distribution of Peakwidths per Sample
Peakwidth in Seconds
80
60
40
20
0
Control_1
Control_2
NOS_3
NOS_4
Hypoxia_1
Hypoxia_2
Hypoxia_3
Hypoxia_4
Iron_Limitation_1
Iron_Limitation_2
Iron_Limitation_3
Iron_Limitation_4
Polymyxin_1
Polymyxin_2
Polymyxin_3
Polymyxin_4
Multi_1
Multi_2
Multi_3
Multi_4
Control_3
Control_4
Serum_1
Serum_2
Serum_3
Serum_4
Starvation_1
Starvation_2
Starvation_3
Starvation_4
Osmotic_1
Osmotic_2
Osmotic_3
Osmotic_4
NOS_1
NOS_2
Run
condition
Control
Hypoxia
Iron_Limitation
Multi
NOS
Osmotic
Polymyxin
Serum
Starvation


Retention TIme Stability
Retention time in seconds
5000
4000
3000
2000
1000
Control_1
Control_2
NOS_3
NOS_4
Hypoxia_1
Hypoxia_2
Hypoxia_3
Hypoxia_4
Iron_Limitation_1
Iron_Limitation_2
Iron_Limitation_3
Iron_Limitation_4
Polymyxin_1
Polymyxin_2
Polymyxin_3
Polymyxin_4
Multi_1
Multi_2
Multi_3
Multi_4
Control_3
Control_4
Serum_1
Serum_2
Serum_3
Serum_4
Starvation_1
Starvation_2
Starvation_3
Starvation_4
Osmotic_1
Osmotic_2
Osmotic_3
Osmotic_4
NOS_1
NOS_2
Acquisition Order


PSM density per Retention Time
Density of PSMs
3e−04
2e−04
1e−04
0e+00
1000
2000
3000
4000
5000
Apex Retention Time in Seconds
Run
HF02_BF_P020160302003_ZXD_1_4ul_F1_R1
HF02_BF_P020160302003_ZXD_1_4ul_F1_R2
HF02_BF_P020160302003_ZXD_10_4ul_F1_R1
HF02_BF_P020160302003_ZXD_10_4ul_F1_R2
HF02_BF_P020160302003_ZXD_11_5ul_F1_R1
HF02_BF_P020160302003_ZXD_11_5ul_F1_R2
HF02_BF_P020160302003_ZXD_12_4ul_F1_R1
HF02_BF_P020160302003_ZXD_12_4ul_F1_R2
HF02_BF_P020160302003_ZXD_13_4ul_F1_R1
HF02_BF_P020160302003_ZXD_13_4ul_F1_R2
HF02_BF_P020160302003_ZXD_14_4ul_F1_R1
HF02_BF_P020160302003_ZXD_14_4ul_F1_R2
HF02_BF_P020160302003_ZXD_15_4ul_F1_R1
HF02_BF_P020160302003_ZXD_15_4ul_F1_R2
HF02_BF_P020160302003_ZXD_16_4ul_F1_R1
HF02_BF_P020160302003_ZXD_16_4ul_F1_R2
HF02_BF_P020160302003_ZXD_17_4ul_F1_R1
HF02_BF_P020160302003_ZXD_17_4ul_F1_R2
HF02_BF_P020160302003_ZXD_18_4ul_F1_R1
HF02_BF_P020160302003_ZXD_18_4ul_F1_R2
HF02_BF_P020160302003_ZXD_2_1ul_F1_R1
HF02_BF_P020160302003_ZXD_2_1ul_F1_R2
HF02_BF_P020160302003_ZXD_3_4ul_F1_R1
HF02_BF_P020160302003_ZXD_3_4ul_F1_R2
HF02_BF_P020160302003_ZXD_4_4ul_F1_R1
HF02_BF_P020160302003_ZXD_4_4ul_F1_R2
HF02_BF_P020160302003_ZXD_5_4ul_F1_R1
HF02_BF_P020160302003_ZXD_5_4ul_F1_R2
HF02_BF_P020160302003_ZXD_6_4ul_F1_R1
HF02_BF_P020160302003_ZXD_6_4ul_F1_R2
HF02_BF_P020160302003_ZXD_7_3ul_F1_R1
HF02_BF_P020160302003_ZXD_7_3ul_F1_R2
HF02_BF_P020160302003_ZXD_8_3ul_F1_R1
HF02_BF_P020160302003_ZXD_8_3ul_F1_R2
HF02_BF_P020160302003_ZXD_9_5ul_F1_R1
HF02_BF_P020160302003_ZXD_9_5ul_F1_R2