Summary statistics of post-processed MaxQuant output submitted to Expression Atlas.

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Summary

Summary of output from MaxQuant (proteinGroups.txt).

Dataset /Users/ananth/Documents/MaxQuant_Bechmarking/Human/PXD010271/proteinGroups.txt

	Pre-processed	Post-processed
Number of samples	55	55
Number of protein groups	6069	5140
Number of reverse decoys	80	0
Number of contaminants	64	0
Total number of proteins§	28557	24946
Total number of non-isoforms ^a	21663	18901
Total number of peptides¶	76706	72597
Total number of unique peptides†	51182	49064
Protein groups with 2 or more mapped peptides*	5460	5140
Protein groups mapped to unique gene •	NA	5678

[§]The total number of proteins present across all protein groups.

Post-processing data

Filters applied:

- (i) Reverse decoys
- (ii) Contaminants
- (iii) 2 or more peptides mapped to protein in a protein group
- (iv) All protein IDs in the protein group mapped to an unique Ensembl Gene ID

Normalisation method: Fraction Of Total.

In this normalisation method each protein iBAQ intensity value is scaled to the total amount of signal in a given MS run (column) and transformed to parts per billion (ppb)

^aTotal number of proteins excluding isoforms present across all protein groups. ¶Sum of peptides that are mapped across all protein groups.

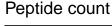
[†]The total number of unique peptides associated with the protein group (i.e. these peptides are not shared with another protein group).

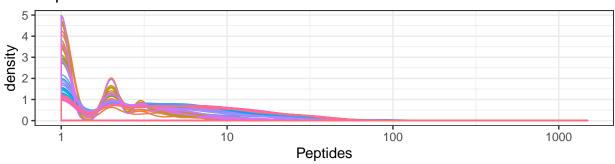
^{*}Protein groups consisting proteins to which 2 or more peptides are mapped.

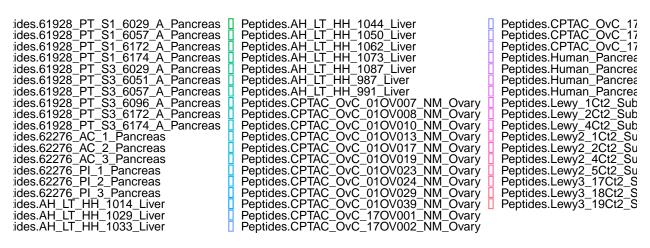
[•] Protein groups consisting proteins which are mapped to an unique Ensembl Gene ID.

Including Plots

- ## Warning: Transformation introduced infinite values in continuous x-axis
- ## Warning: Removed 139992 rows containing non-finite values (stat_density).

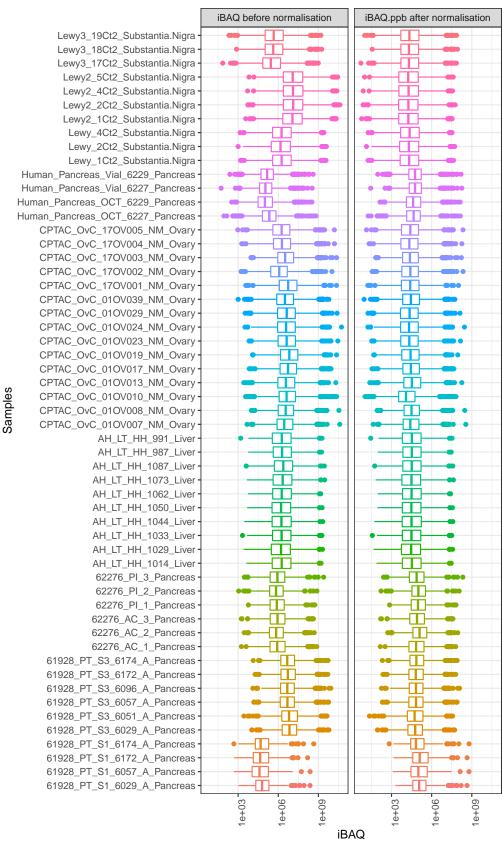






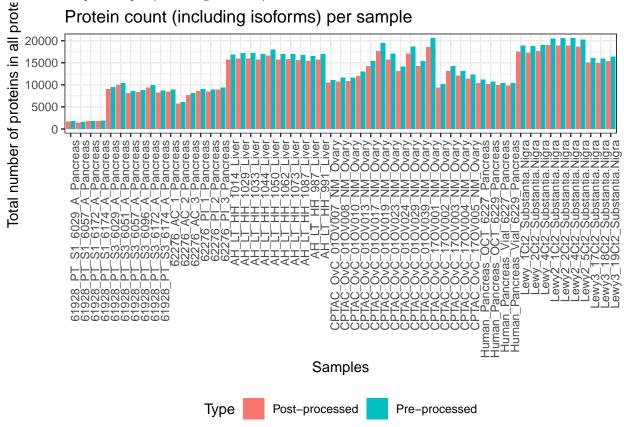
- ## Warning: Transformation introduced infinite values in continuous y-axis
- ## Warning: Removed 310884 rows containing non-finite values (stat boxplot).





tribution of iBAQ values for each sample before and after FOT normalisation.

Protein count per sample (including isoforms)



Protein count per sample (without isoforms)

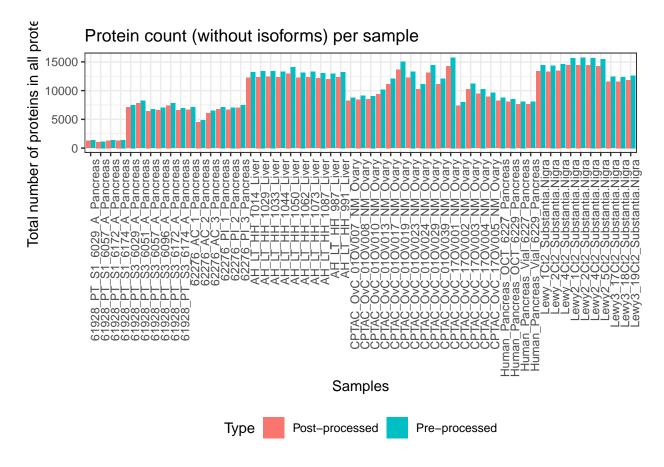


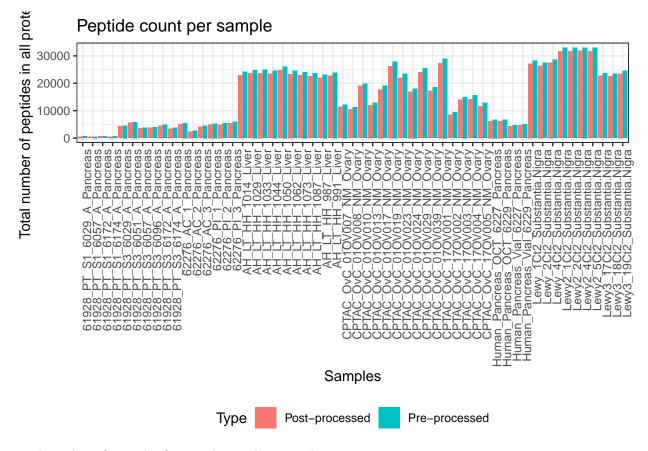
Table 1. Protein counts.

Total number of proteins before and after downstream processing

- § Total number of proteins (including isoforms) in pre-processed samples
- ¶ Total number of proteins (including isoforms) in post-processed samples
- † Total number of proteins (without isoforms) in pre-processed samples
- \in Total number of proteins (without isoforms) in post-processed samples

	Samples	Pre. ALL§	Post. ALL¶	Pre. non-iso.†	Post. non-iso.€
1	61928_PT_S1_6029_A_Pancreas	1778	1698	1350	1279
2	61928_PT_S1_6057_A_Pancreas	1503	1419	1147	1070
3	61928_PT_S1_6172_A_Pancreas	1809	1749	1380	1323
4	61928_PT_S1_6174_A_Pancreas	1829	1722	1408	1311
5	61928_PT_S3_6029_A_Pancreas	9477	9023	7482	7133
6	61928_PT_S3_6051_A_Pancreas	10415	9862	8259	7818
7	61928_PT_S3_6057_A_Pancreas	8552	8126	6774	6453
8	61928_PT_S3_6096_A_Pancreas	8807	8333	6997	6644
9	61928_PT_S3_6172_A_Pancreas	9870	9372	7781	7394
10	61928_PT_S3_6174_A_Pancreas	8697	8258	6928	6596
11	62276_AC_1_Pancreas	8886	8389	7099	6680
12	62276_AC_2_Pancreas	6057	5704	4822	4540
13	62276_AC_3_Pancreas	8147	7702	6488	6112
14	62276_PI_1_Pancreas	9050	8611	7143	6784
15	62276_PI_2_Pancreas	8926	8445	7065	6672
16	62276_PI_3_Pancreas	9387	8898	7460	7046
17	AH_LT_HH_1014_Liver	16867	15679	13195	12260
18	AH_LT_HH_1029_Liver	17156	15871	13396	12382

	Samples	Pre. ALL§	Post. ALL¶	Pre. non-iso.†	Post. non-iso.€
19	AH_LT_HH_1033_Liver	17130	15891	13408	12424
20	AH_LT_HH_1044_Liver	16981	15746	13293	12328
21	AH_LT_HH_1050_Liver	18017	16613	14072	12970
22	AH_LT_HH_1062_Liver	16889	15663	13165	12226
23	AH_LT_HH_1073_Liver	16981	15770	13269	12317
24	AH_LT_HH_1087_Liver	16679	15565	13050	12164
25	AH_LT_HH_987_Liver	16502	15330	12914	11996
26	AH_LT_HH_991_Liver	16911	15720	13229	12303
27	CPTAC_OvC_01OV007_NM_Ovary	11106	10434	8782	8226
28	CPTAC_OvC_01OV008_NM_Ovary	11581	10723	9127	8443
29	CPTAC_OvC_01OV010_NM_Ovary	11603	10878	9074	8503
30	CPTAC_OvC_01OV013_NM_Ovary	12955	12002	10157	9380
31	CPTAC_OvC_01OV017_NM_Ovary	15377	14227	12065	11139
32	CPTAC_OvC_01OV019_NM_Ovary	19429	17642	15016	13614
33	CPTAC_OvC_01OV023_NM_Ovary	17058	15646	13343	12216
34	CPTAC_OvC_01OV024_NM_Ovary	14152	13044	11140	10252
35	CPTAC_OvC_01OV029_NM_Ovary	18673	17068	14448	13159
36	CPTAC_OvC_01OV039_NM_Ovary	15387	14252	12061	11140
37	CPTAC_OvC_17OV001_NM_Ovary	20522	18529	15778	14225
38	CPTAC_OvC_17OV002_NM_Ovary	10111	9343	8014	7396
39	CPTAC_OvC_17OV003_NM_Ovary	14245	13107	11173	10272
40	CPTAC_OvC_17OV004_NM_Ovary	13052	12032	10282	9460
41	CPTAC_OvC_17OV005_NM_Ovary	12251	11384	9631	8916
42	Human_Pancreas_OCT_6227_Pancreas	11116	10397	8789	8220
43	Human_Pancreas_OCT_6229_Pancreas	10729	10129	8557	8068
44	Human_Pancreas_Vial_6227_Pancreas	10418	9868	8106	7652
45	Human_Pancreas_Vial_6229_Pancreas	10345	9774	8084	7613
46	Lewy_1Ct2_Substantia.Nigra	18851	17456	14418	13347
47	Lewy_2Ct2_Substantia.Nigra	18703	17336	14352	13301
48	$Lewy_4Ct2_Substantia.Nigra$	19027	17619	14589	13503
49	Lewy2_1Ct2_Substantia.Nigra	20478	18948	15611	14461
50	Lewy2_2Ct2_Substantia.Nigra	20513	18907	15699	14459
51	Lewy2_4Ct2_Substantia.Nigra	20557	18891	15681	14426
52	$Lewy2_5Ct2_Substantia. Nigra$	20222	18677	15471	14284
53	$Lewy 3_17Ct 2_Substantia. Nigra$	16045	14996	12420	11604
54	$Lewy 3_18Ct 2_Substantia. Nigra$	15929	14924	12373	11574
55	Lewy3_19Ct2_Substantia.Nigra	16373	15349	12641	11851



Total number of peptides from each sample mapped to protein groups.

	Samples	Pre-processed	Post-processed
1	Peptides.61928_PT_S1_6029_A_Pancreas	659	619
2	Peptides.61928_PT_S1_6057_A_Pancreas	560	521
3	Peptides.61928_PT_S1_6172_A_Pancreas	712	679
4	Peptides.61928_PT_S1_6174_A_Pancreas	667	624
5	Peptides.61928_PT_S3_6029_A_Pancreas	4591	4343
6	Peptides.61928_PT_S3_6051_A_Pancreas	5881	5594
7	Peptides.61928_PT_S3_6057_A_Pancreas	3770	3571
8	Peptides.61928_PT_S3_6096_A_Pancreas	3961	3764
9	Peptides.61928_PT_S3_6172_A_Pancreas	4891	4619
10	Peptides.61928_PT_S3_6174_A_Pancreas	3727	3524
11	Peptides.62276_AC_1_Pancreas	5476	5014
12	Peptides.62276_AC_2_Pancreas	2680	2416
13	Peptides.62276_AC_3_Pancreas	4607	4184
14	Peptides.62276_PI_1_Pancreas	5318	4939
15	Peptides.62276_PI_2_Pancreas	5424	4982
16	Peptides.62276_PI_3_Pancreas	5942	5412
17	Peptides.AH_LT_HH_1014_Liver	24200	23011
18	Peptides.AH_LT_HH_1029_Liver	24860	23642
19	Peptides.AH_LT_HH_1033_Liver	24933	23730
20	Peptides.AH_LT_HH_1044_Liver	24629	23459
21	Peptides.AH_LT_HH_1050_Liver	26133	24787
22	Peptides.AH_LT_HH_1062_Liver	24581	23405
23	Peptides.AH_LT_HH_1073_Liver	24115	22927

	Samples	Pre-processed	Post-processed
24	Peptides.AH_LT_HH_1087_Liver	23664	22577
25	Peptides.AH_LT_HH_987_Liver	23199	22026
26	Peptides.AH_LT_HH_991_Liver	23922	22766
27	Peptides.CPTAC_OvC_01OV007_NM_Ovary	12279	11445
28	Peptides.CPTAC_OvC_01OV008_NM_Ovary	11253	10496
29	Peptides.CPTAC_OvC_01OV010_NM_Ovary	19798	19070
30	Peptides.CPTAC_OvC_01OV013_NM_Ovary	12920	12071
31	Peptides.CPTAC_OvC_01OV017_NM_Ovary	19100	17705
32	Peptides.CPTAC_OvC_01OV019_NM_Ovary	27921	26320
33	Peptides.CPTAC_OvC_01OV023_NM_Ovary	23451	22002
34	Peptides.CPTAC_OvC_01OV024_NM_Ovary	18080	16971
35	Peptides.CPTAC_OvC_01OV029_NM_Ovary	25455	23978
36	Peptides.CPTAC_OvC_01OV039_NM_Ovary	18562	17224
37	Peptides.CPTAC_OvC_17OV001_NM_Ovary	29046	27381
38	Peptides.CPTAC_OvC_17OV002_NM_Ovary	9438	8495
39	Peptides.CPTAC_OvC_17OV003_NM_Ovary	15008	14033
40	Peptides.CPTAC_OvC_17OV004_NM_Ovary	15648	14199
41	Peptides.CPTAC_OvC_17OV005_NM_Ovary	12921	11720
42	Peptides.Human_Pancreas_OCT_6227_Pancreas	6771	6270
43	Peptides.Human_Pancreas_OCT_6229_Pancreas	6747	6218
44	Peptides.Human_Pancreas_Vial_6227_Pancreas	4656	4344
45	Peptides.Human_Pancreas_Vial_6229_Pancreas	5091	4708
46	Peptides.Lewy_1Ct2_Substantia.Nigra	28207	27228
47	Peptides.Lewy_2Ct2_Substantia.Nigra	27526	26525
48	Peptides.Lewy_4Ct2_Substantia.Nigra	28579	27557
49	Peptides.Lewy2_1Ct2_Substantia.Nigra	32922	31739
50	Peptides.Lewy2_2Ct2_Substantia.Nigra	32932	31676
51	Peptides.Lewy2_4Ct2_Substantia.Nigra	33090	31876
52	Peptides.Lewy2_5Ct2_Substantia.Nigra	32915	31708
53	Peptides.Lewy3_17Ct2_Substantia.Nigra	23622	22718
54	Peptides.Lewy3_18Ct2_Substantia.Nigra	23465	22536
55	Peptides.Lewy3_19Ct2_Substantia.Nigra	24554	23576

