Supplement to "Crux spectral-count: estimating relative abundances of proteins from shotgun proteomics data"

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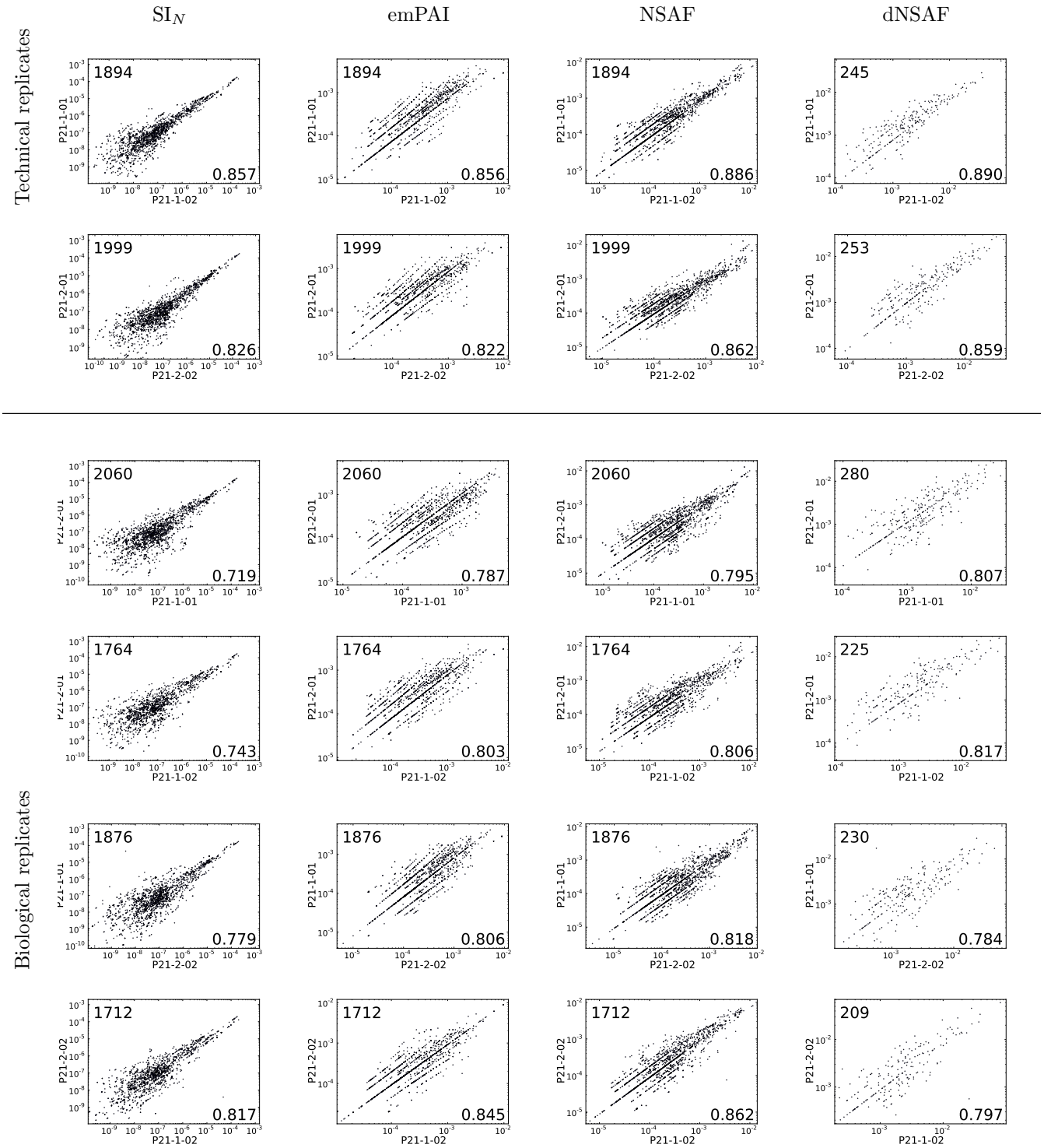
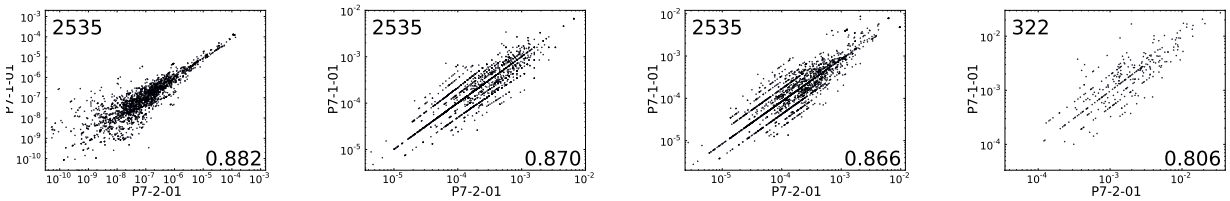
Supplementary Table 1- Mouse and Chicken proteomics data sets

The first column indicates the species from which the sample was taken. The experiment identifier indicates the postnatal day for mouse samples and brain region for chicken samples, the biological replicate number and the technical replicate number. The third and fourth columns indicate the total number of spectra collected, and the number of peptide-spectrum matches (PSMs) with $q \leq 0.01$.

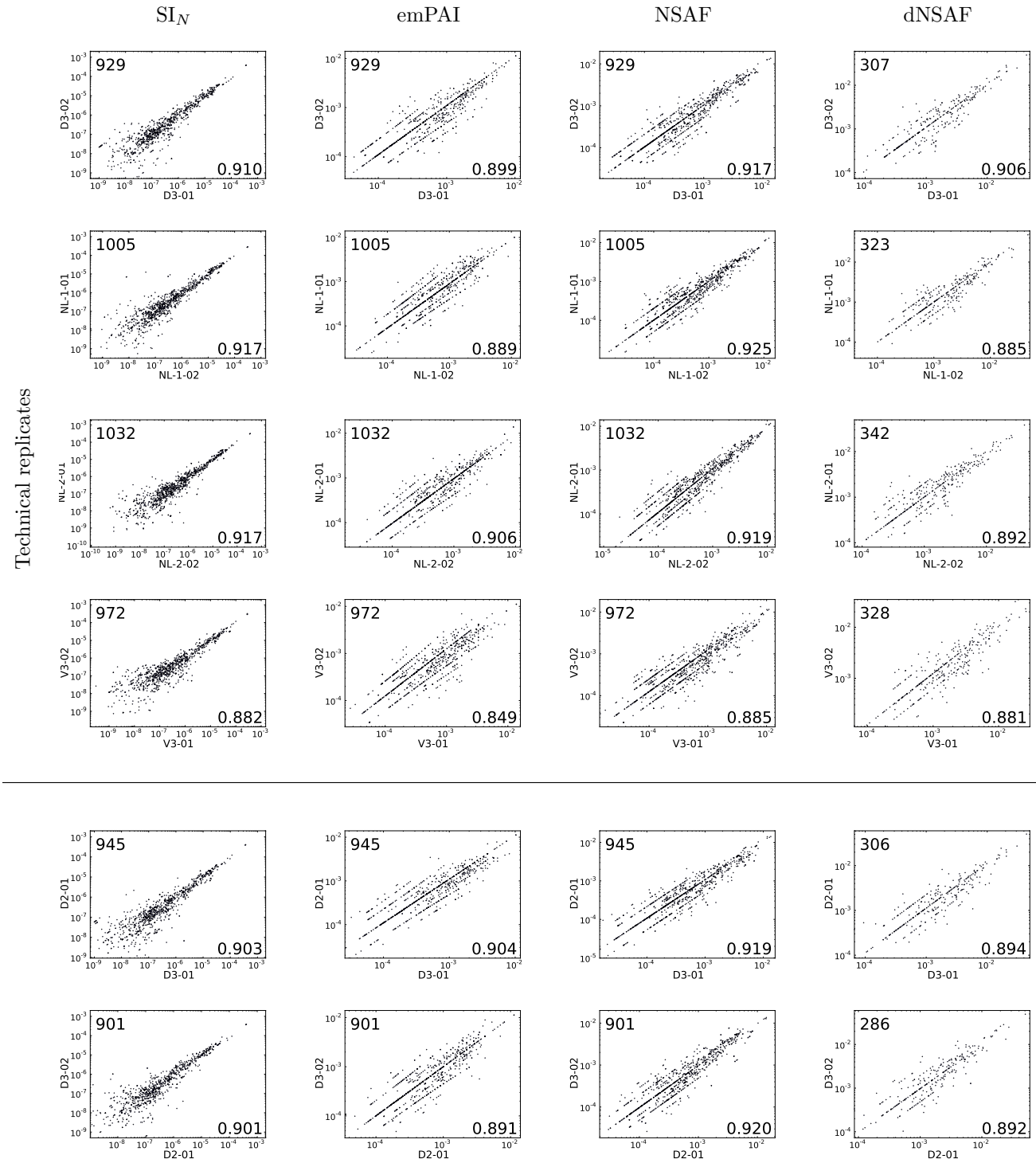
Species	Experiment	spectra	PSMs
mouse	P7-1-01	21819	5464
mouse	P7-2-01	18969	5115
mouse	P21-1-01	20059	5142
mouse	P21-1-02	21289	4265
mouse	P21-2-01	18943	5196
mouse	P21-2-02	21819	4722
chicken	D2-01	17657	3085
chicken	D3-01	18538	3332
chicken	D3-02	19149	3199
chicken	NL-1-01	19073	3516
chicken	NL-1-02	19640	3578
chicken	NL-2-01	20351	4070
chicken	NL-2-02	20748	4334
chicken	V1-01	18365	3702
chicken	V3-01	18516	3821
chicken	V3-02	16684	3168

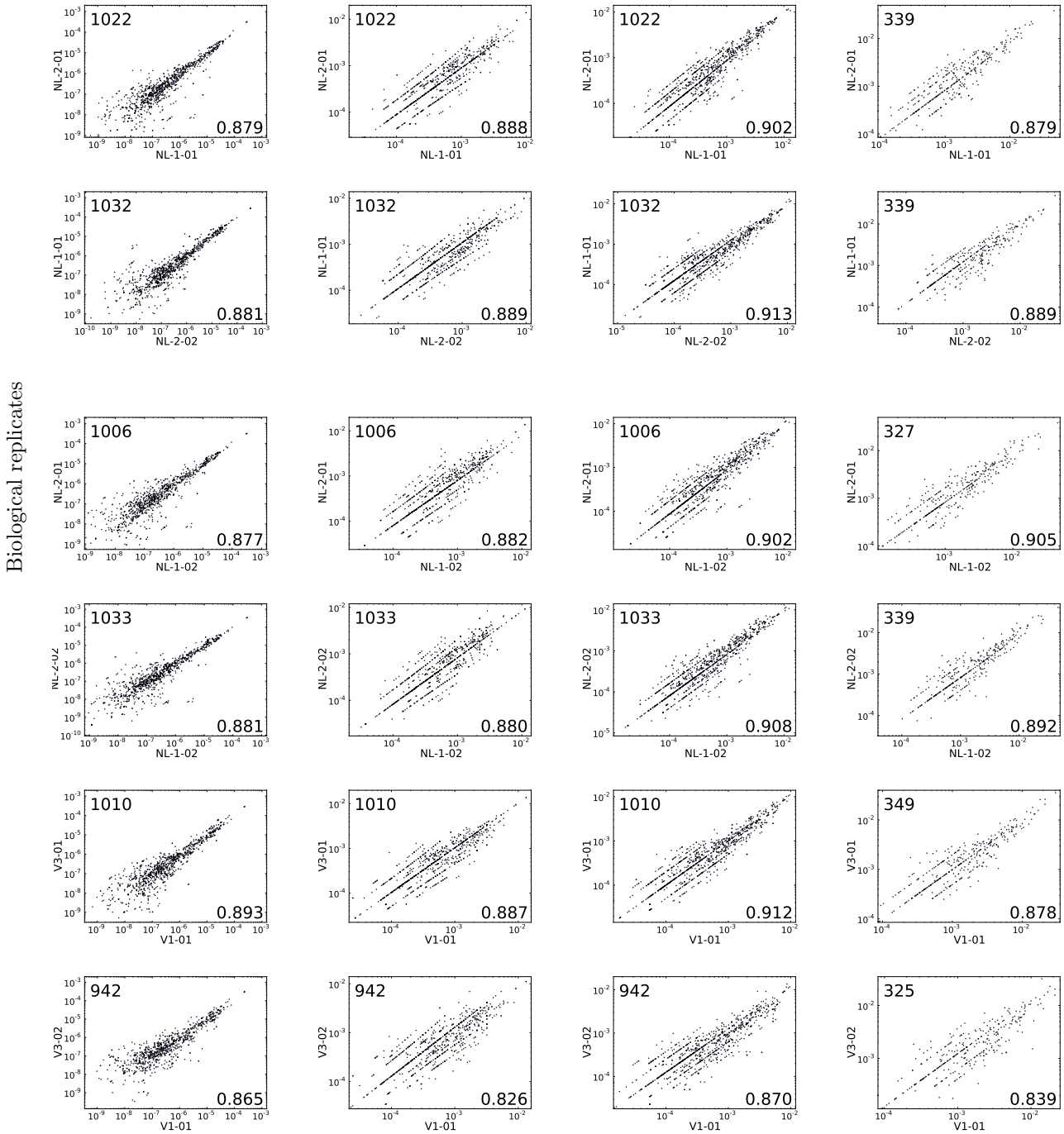
Supplementary Figure 1- Biological and technical replicate correlations of mouse samples using spectral counts




2535
0.882
P7-1-01
P7-2-01
2535
0.870
P7-1-01
P7-2-01
2535
0.866
P7-1-01
P7-2-01
322
0.806
P7-1-01
P7-2-01

Supplementary Table 2 - Biological and technical replicate correlations of chicken samples using spectral counts




Biological replicates
1022
0.879
NL-2-01
NL-1-01
1022
0.888
NL-2-01
NL-1-01
1022
0.902
NL-2-01
NL-1-01
339
0.879
NL-2-01
NL-1-01
1032
0.881
NL-1-01
NL-2-02
1032
0.889
NL-1-01
NL-2-02
1032
0.913
NL-1-01
NL-2-02
339
0.889
NL-1-01
NL-2-02
1006
0.877
NL-2-01
NL-1-02
1006
0.882
NL-2-01
NL-1-02
1006
0.902
NL-2-01
NL-1-02
327
0.905
NL-2-01
NL-1-02
1033
0.881
NL-2-02
NL-1-02
1033
0.880
NL-2-02
NL-1-02
1033
0.908
NL-2-02
NL-1-02
339
0.892
NL-2-02
NL-1-02
1010
0.893
V3-01
V1-01
1010
0.887
V3-01
V1-01
1010
0.912
V3-01
V1-01
349
0.878
V3-01
V1-01
942
0.865
V3-02
V1-01
942
0.826
V3-02
V1-01
942
0.870
V3-02
V1-01
325
0.839
V3-02
V1-01

Supplementary Table 2 - UPS1 Shotgun proteomics datasets

The first column indicates the species from which the sample was taken. The experiment identifier indicates the postnatal day for mouse samples and brain region for chicken samples, the biological replicate number and the technical replicate number. The third and fourth columns indicate the total number of spectra collected, and the number of peptide-spectrum matches (PSMs) with $q \leq 0.01$.

Experiment	Amount UPS1 on Column (fmol)	spectra	PSMs
Std 1	870	24758	6110
Std 2	435	25882	8261
Std 3	217	25660	9203
Std 4	109	25125	9387
Std 5	54	25117	9675
Std 6	27	25603	9654
Std 7	13	25451	9664
Std 8	6	25653	9656