A

Number of publications: 1,000 / 100 / 10 / 1

Dense / sparse zone boundary

Total number of interactions: 1,000 / 500

Expected number of interactions per bin

Fraction of interactions observed minus expected: 1.00 / 0.00 / −1.00

B

	HI-II-14	Lit-BM-13	Co-Frac	PrePPI-HC
Nodes	4,303	5,545	2,999	4,989
Edges	13,944	11,045	13,982	25,403
Nodes in largest component	4,100	4,919	2,820	3,681
Average degree	6.348	3.772	9.324	10.183
Average clustering	0.053	0.065	0.164	0.399
Average distance	4.063	5.305	4.506	5.251
Power law exponent	2.195	1.659	1.462	1.451

Proteins (heterodimers)

HI-II-14   Lit-BM-13   Co-Frac   PrePPI-HC

1,491 / 893 / 701 / 499 / 253 / 1,766 / 276 / 416 / 1,870 / 269 / 299 / 94 / 489 / 1,214 / 336

Protein-protein interactions (heterodimers)

HI-II-14   Lit-BM-13   Co-Frac   PrePPI-HC

9,128 / 13,347 / 255 / 195 / 287 / 13,045 / 14 / 92 / 24,410 / 27 / 9 / 10 / 27 / 435 / 40

C

Proportion of genes in hORFeome (%)

hORFeome v1.1 — 4 / 3 / 2 / 1 / 0

hORFeome v5.1 — 4 / 3 / 2 / 1 / 0

D

Fraction of pairs recovered in MAPPIT (%)

mRNA abundance in HeLa cells from Co-Frac — RRS — 20 / 10 / 0

Protein abundance in HEK cells from Co-Frac — RRS — 20 / 10 / 0

First publication date from Lit-BM-13 — RRS — 20 / 10 / 0

Number of protein complexes from Lit-BM-13 — RRS — $P = 1 \times 10^{-2}$ — 40 / 20 / 0

Number of GO terms from Lit-BM-13 — RRS — 20 / 10 / 0

Fraction of charged amino-acids from Co-Frac — RRS — 20 / 10 / 0

Fraction of polar amino-acids from Lit-BM-13 — RRS — 20 / 10 / 0

Fraction of acidic amino-acids from Lit-BM-13 — RRS — 20 / 10 / 0

Protein abundance in HeLa cells from Co-Frac — RRS — 20 / 10 / 0

Number of KEGG pathways from Lit-BM-13 — RRS — 20 / 10 / 0

Mirrored zones in HI-II-14

Dense zone / Sparse zone

E

Enrichment odds ratio

Number of publications from Lit-BM-13 / mRNA abundance in HEK cells from Co-Frac / Fraction of sequence in Pfam domains from PrePPI-HC

GO BP — 100 / 10 / 1

GO MF — 100 / 10 / 1

GO CC — 100 / 10 / 1

Mouse phenotypes — 100 / 10 / 1

Union — 100 / 10 / 1