

# Table 1

Term	Description	Google	PubMed	Year of first PubMed citation
Genome	The full complement of genetic information both coding and non coding in the organism	~1880000	66171	1932 **
Proteome	The protein-coding regions of the genome	~63,000	703	1995
Transcriptome	The population of mRNA transcripts in the cell, weighted by their expression levels	3520	72	1997
Physiome	Quantitative description of the physiological dynamics or functions of the whole organism	2980	15	1997
Metabolome	The quantitative complement of all the small molecules present in a cell in a specific physiological state	349	12	1998
Phenome	Qualitative identification of the form and function derived from genes, but lacking a quantitative, integrative definition	4980	6	1995
Morphome	The quantitative description of anatomical structure, biochemical and chemical composition of an intact organism, including its genome, proteome, cell, tissue and organ structures	238	2	1996
Interactome	List of interactions between all macromolecules in a cell	56	2	1999
Glycome	The population of carbohydrate molecules in the cell	46	1	2000
Secretome	The population of gene products that are secreted from the cell	21	1	2000
Ribonome	The population of RNA-coding regions of the genome	1	1	2000
Orfeome	The sum total of open reading frames in the genome, without regard to whether or not they code; a subset of this is the proteome	42	-	-
Regulome	Genome-wide regulatory network of the cell	18	-	-
Cellome	The entire complement of molecules and their interactions within a cell	17	-	-
Operome	The characterization of proteins with unknown biological function	8	-	-
Transportome	The population of the gene products that are transported; this includes the secretome	1	-	-
Functome	The population of gene products classified by their functions	1	-	-
Translatome	The population of proteins in the cell, weighted by their expression levels	-	-	-
Pseudome	The complement of pseudogenes in the proteome	-	-	-
Foldome	The population of gene products classified through their tertiary structure	-	-	-
Unknome*	Genes of unknown function	-	-	-

Figure 1a

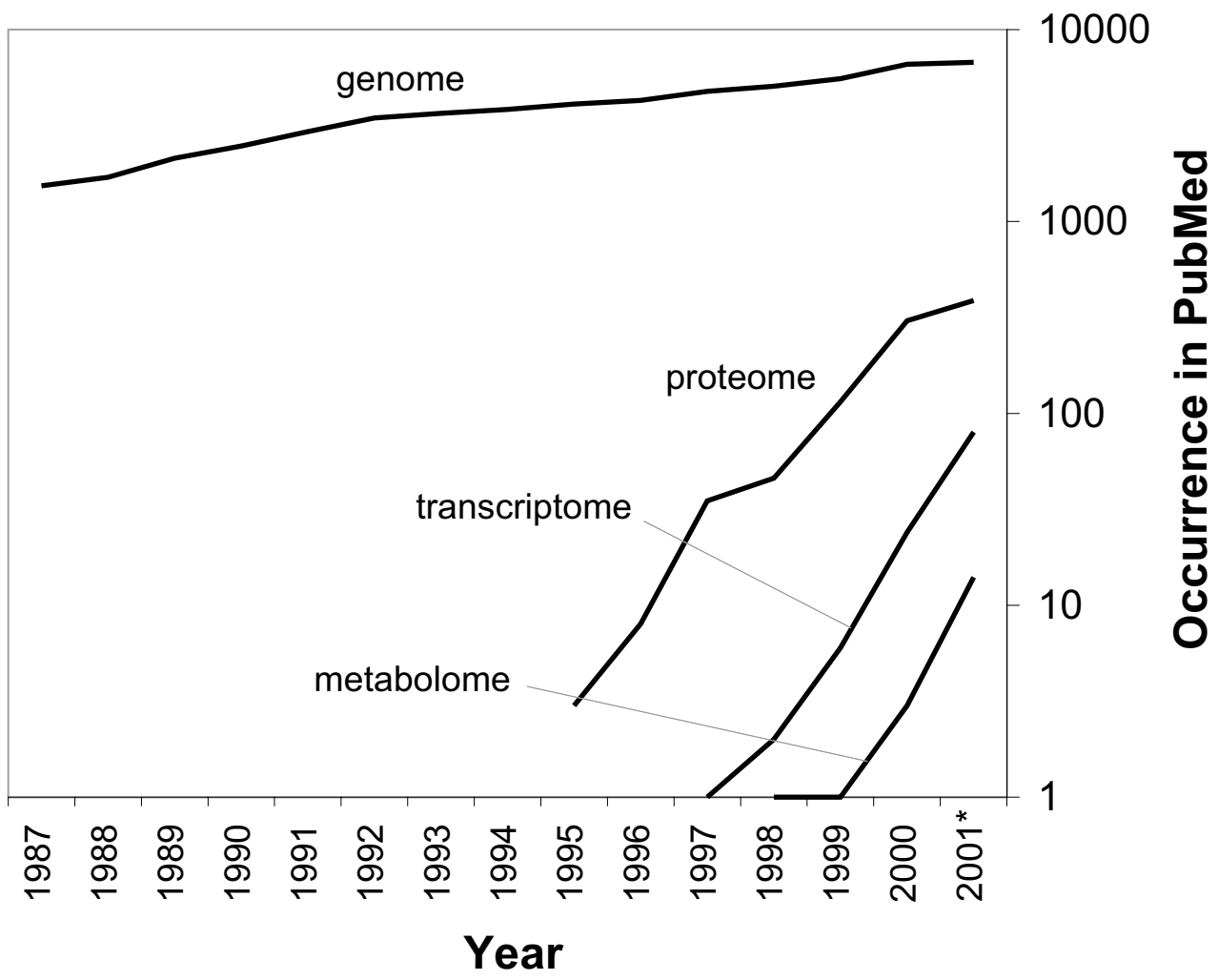
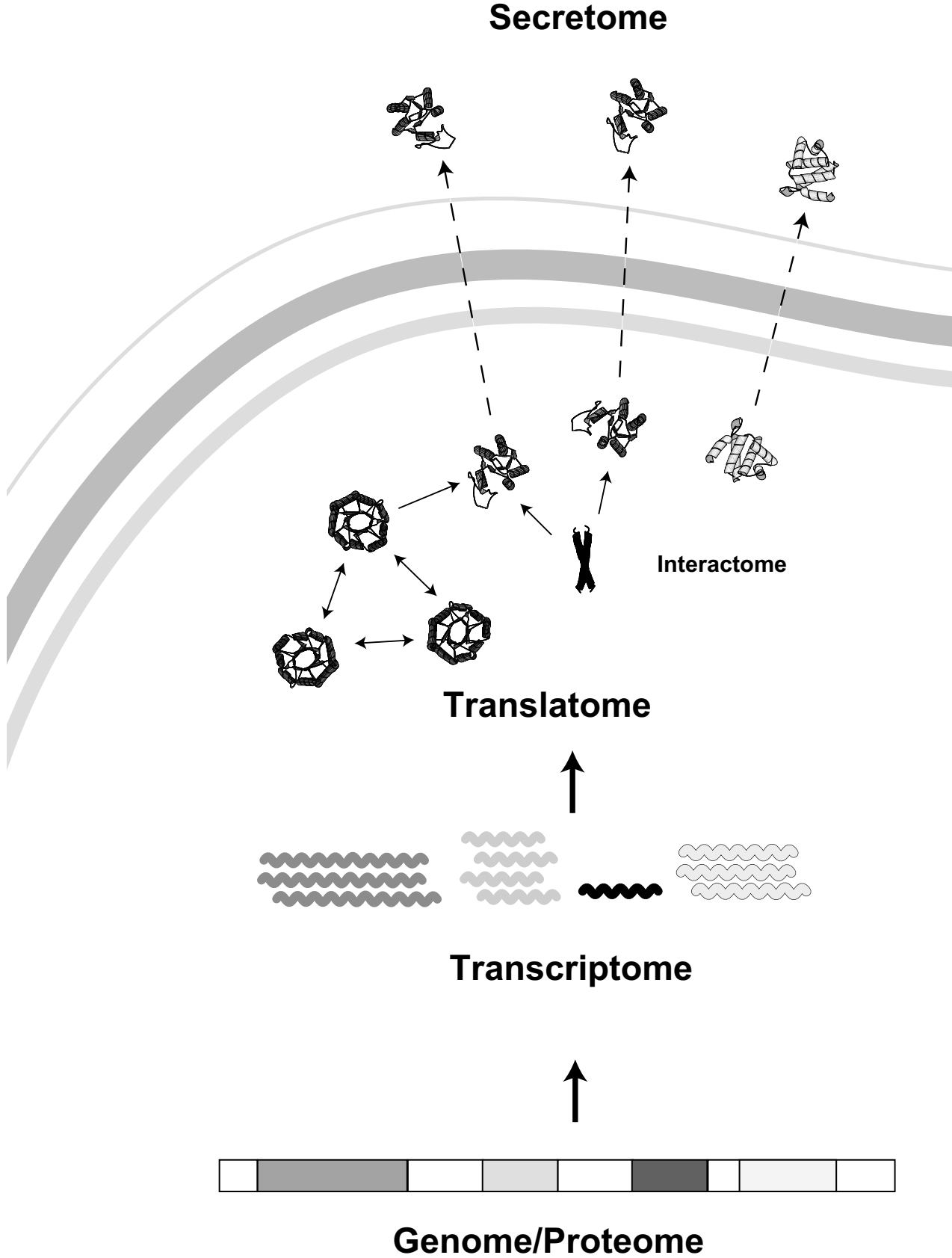
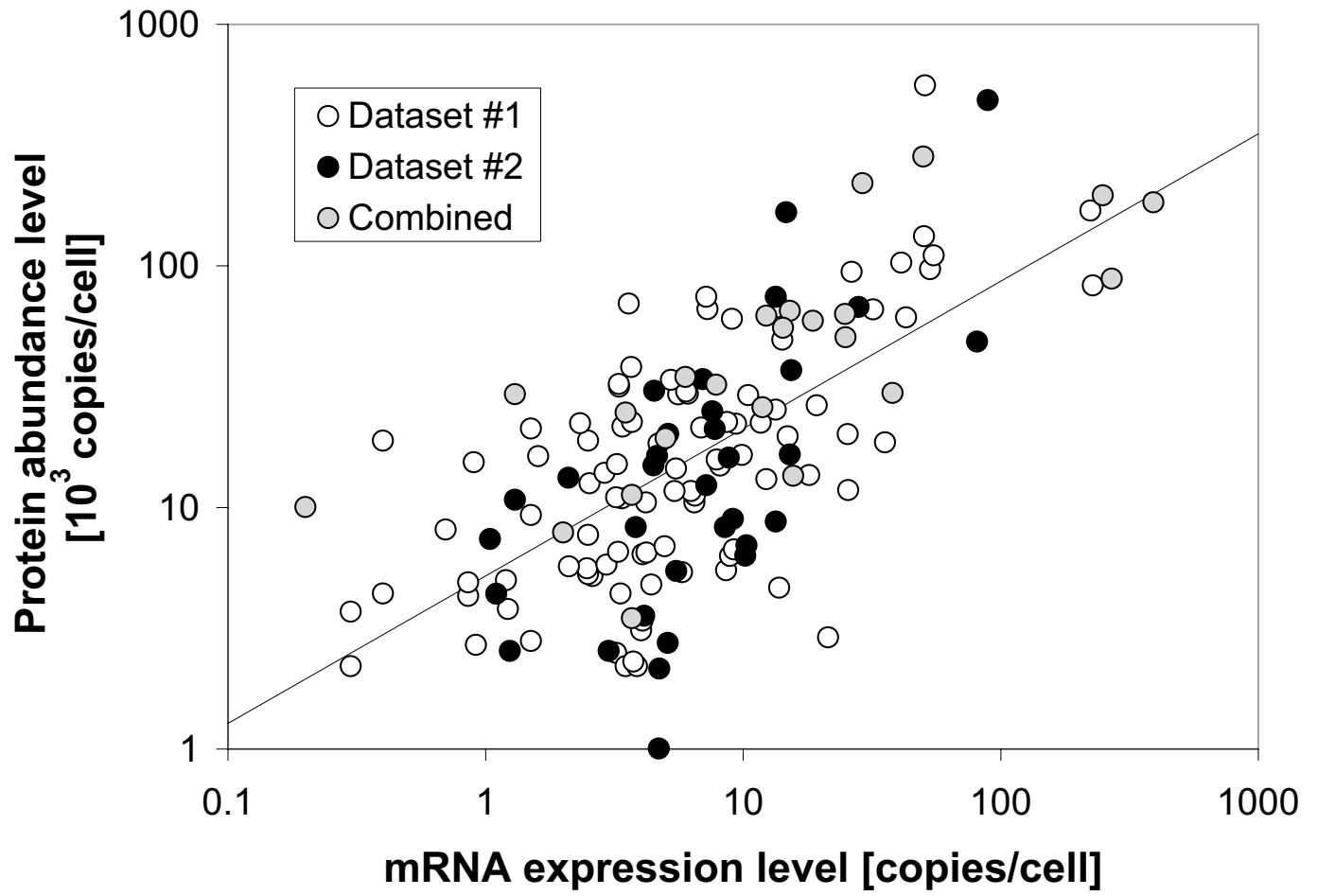


Figure 1c



**Figure 2a**



**Figure 2b**

