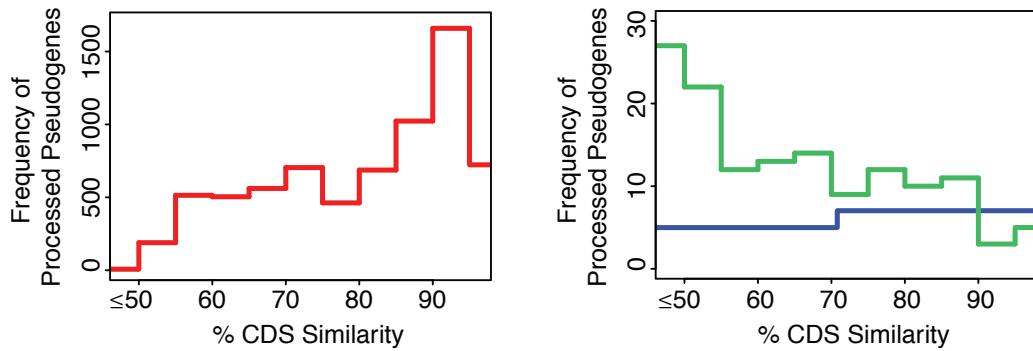


A

Organism	Total Pseudogenes	Biotype Distribution		ENCODE Functional Genomics Data	Completed Manual Annotation
		Processed	Duplicated		
Human	12,358	8908	2266	✓	✓
Worm	911	159	566	✓	✓
Fly	145	16	109	✓	✓
Zebrafish	229	21	177	✓	✓
Macaque	11,136	6570	1725	X	X
Mouse	13,169	7811	1827	✓	X

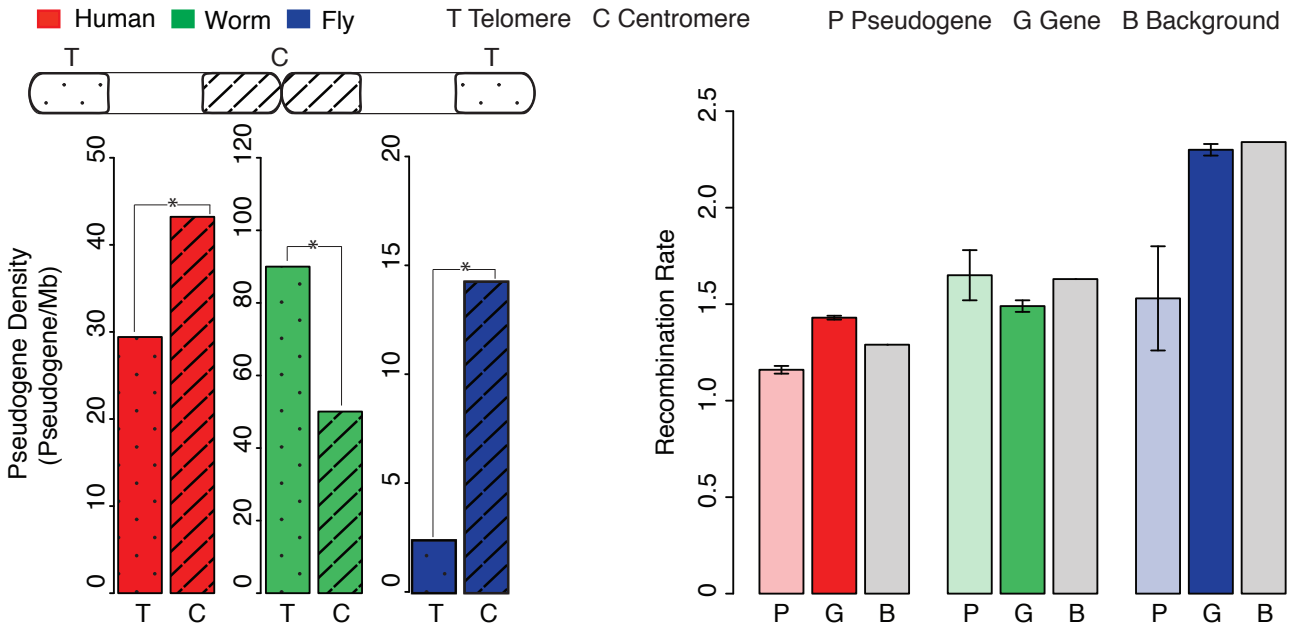
B



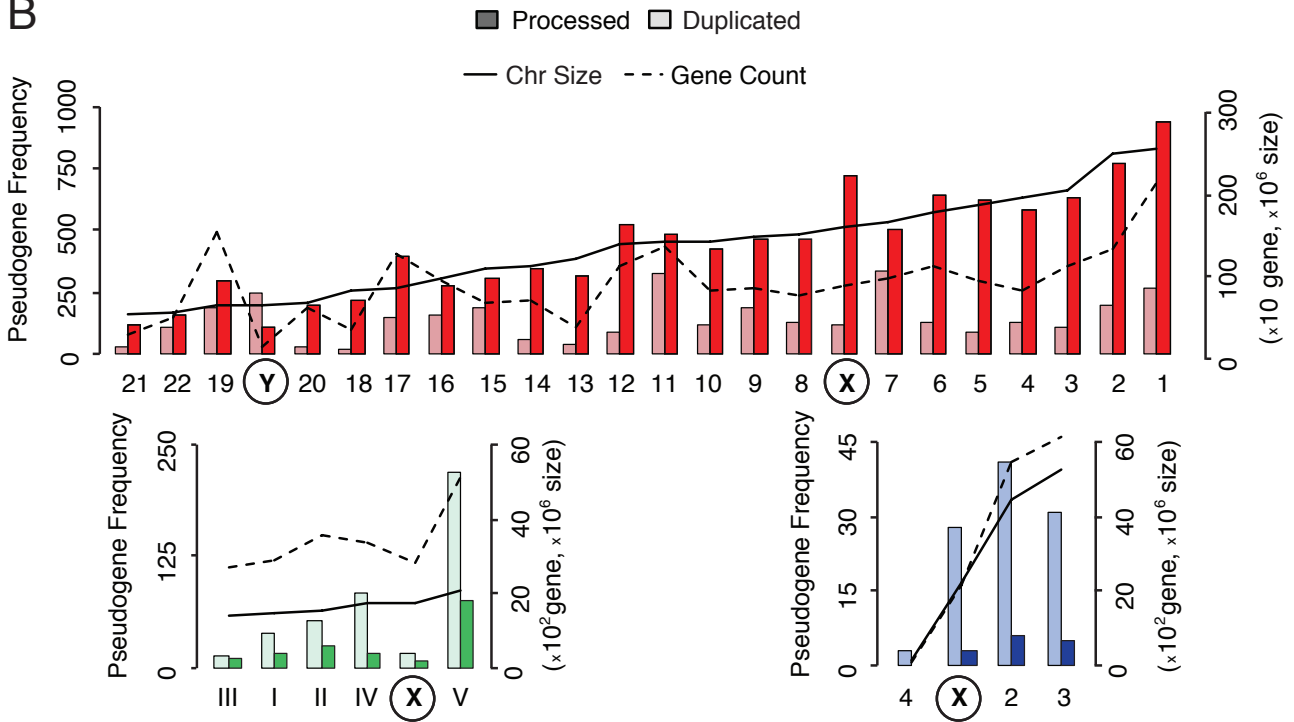
C

Organism	Defect / Pseudogene x MB		
	Insertion	Deletion	Stop
Human	4.4	4.9	2.4
Worm	25.8	7.45	2.5
Fly	7.9	12.7	1.1

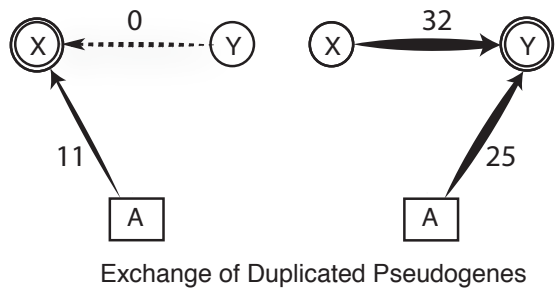
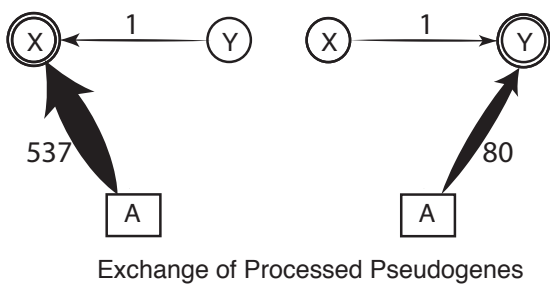
A



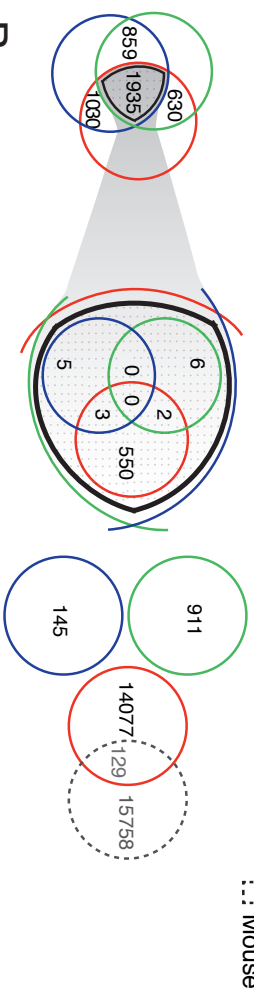
B



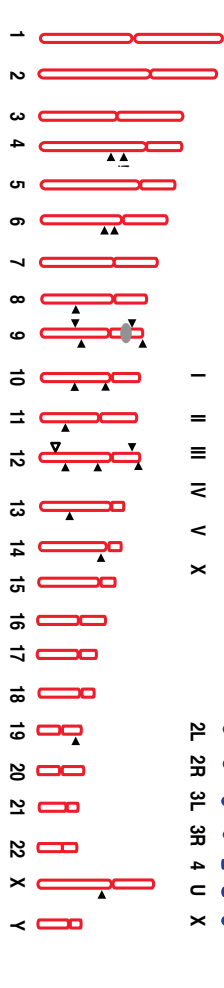
C



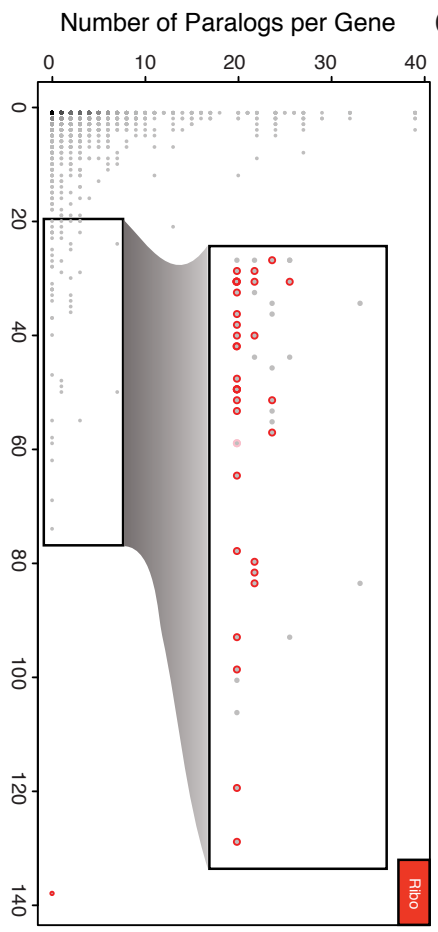
A Orthologous Genes
Parent Genes amongst 1935 1-1-1 orthologs
Orthologous Pseudogenes



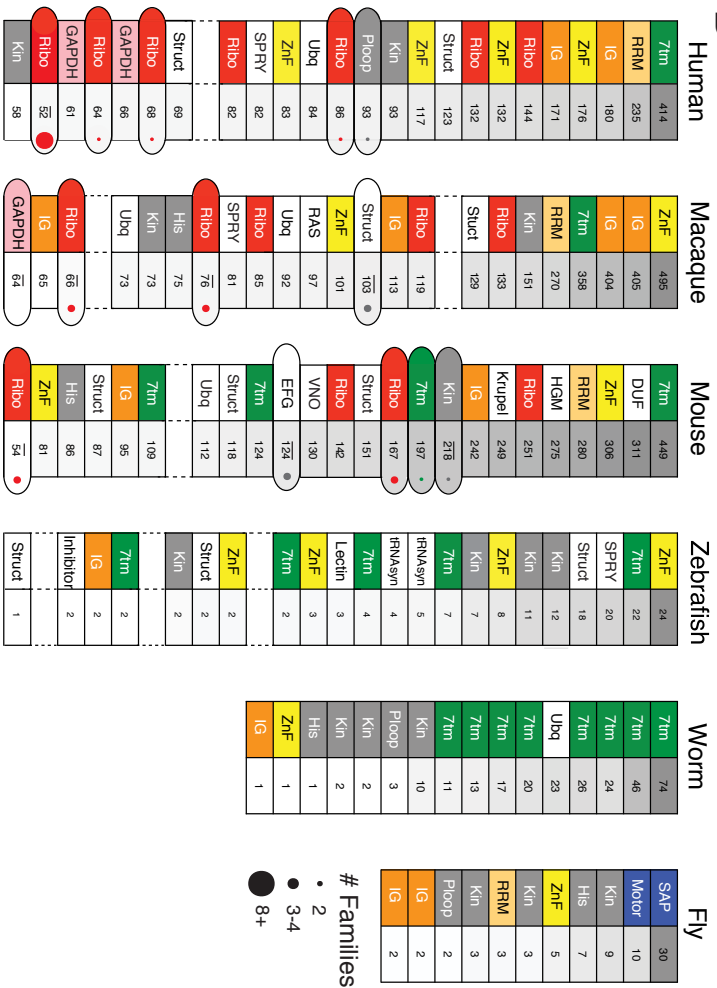
B Gene
Processed
Duplicated
Transcribed



C

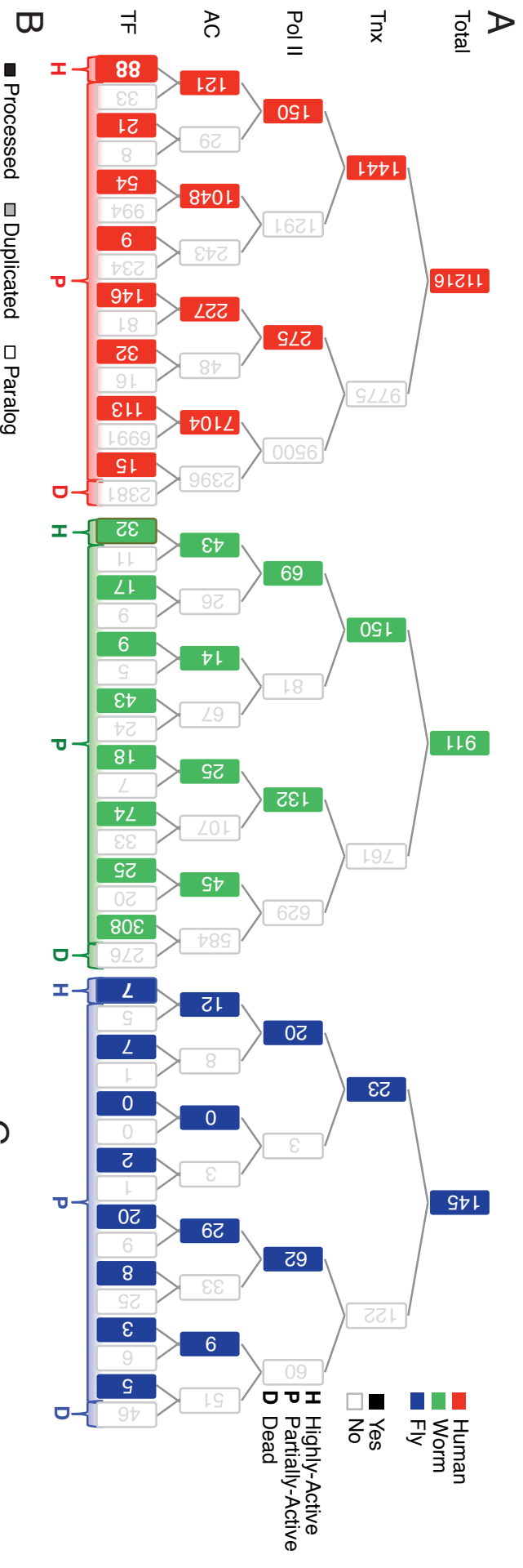


D



Families





D

Translation Candidates	Biotype	Coexp Coef	pVal	% Similarity CDS / UTR	Defect	Trnx	Pol II	AC	TF
SLIT-ROBO Rho GTPase activating protein 2B pseudogene	Duplicated	0.80	5.9E-7	58 / 50	ins	✓	-	-	✓
PRKY-004, Y-linked protein kinase pseudogene	Duplicated	-0.14	0.42	96 / 51	ins / del	✓	✓	-	✓
Fer-1-like 4 (C. elegans), pseudogene	Unitary	-0.38	0.03	62 / 32	ins / del	✓	-	-	✓

C

Pseudogene	Parent		Paralog	
	-	+	-	+
+	11	131	31	336
-	37	253	17	48
+	5	6	7	12
-	20	13	18	7
+	0	4	3	3
-	4	1	1	2