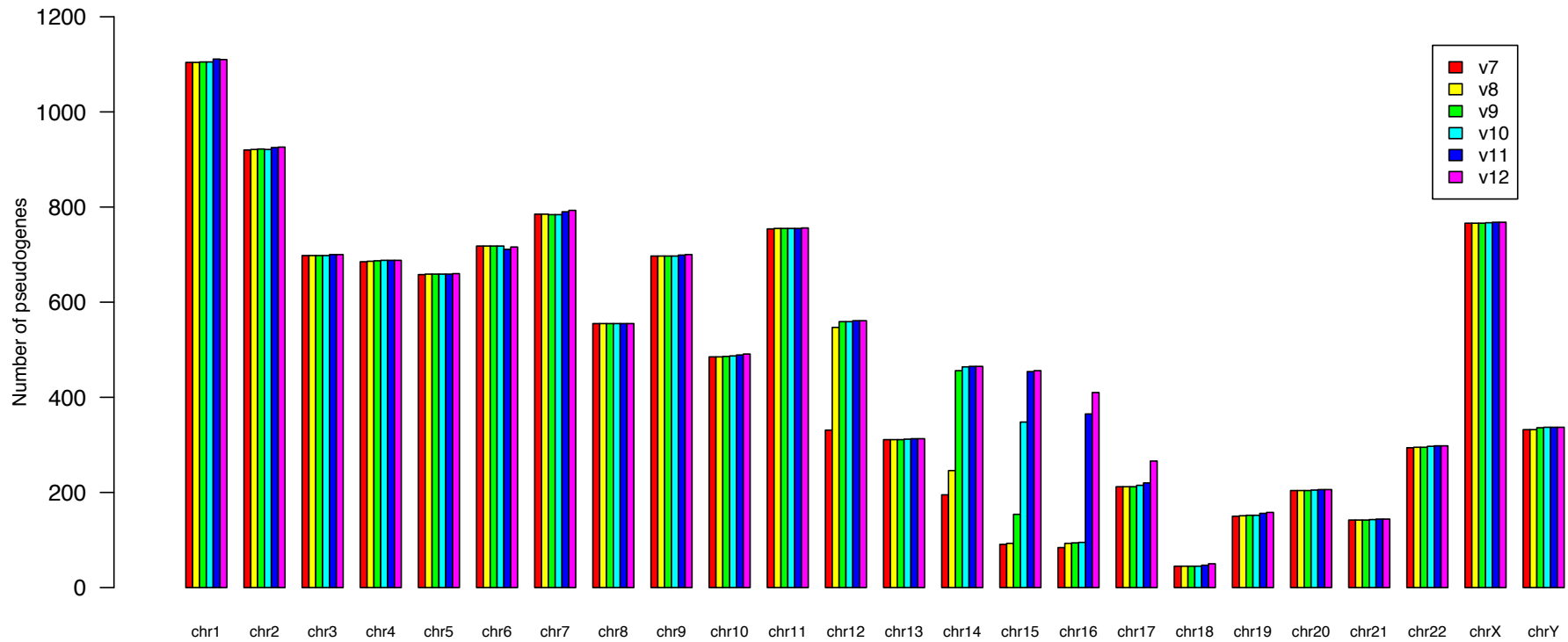


# GENCODE Pseudogenes



HAVANA manual annotation regions:

GENCODE 7: chr. 1 - 11, 12 p arm, 20 - 22, X, Y

GENCODE 10: chr. 1 - 15, 20 -22, X, Y

Compare to Gencode v7

	Add		Remove		Overall change
	Level 1	Level 2	Level 1	Level 2	
v8	184	115	11	4	284
v9	389	224	27	10	576
v10	533	325	48	20	790
v11	799	566	113	52	1200
v12	927	643	184	75	1311

# GENCODE 7 vs. 10

	GENCODE 7	GENCODE 10
Total (level 1 + level 2)	11,216	12,006
PPipe & RetroFinder evidence a.k.a., Level 1	7,184	7,617
PPipe evidence* only	2,963	3,222
RetroFinder evidence* only	415	473
No computational evidence	654	694

\* more than 50 bp overlap

	PPipe 61	PPipe 64
Total	17,374	16,323
Manual evidence	10,544	11,275
Outside annotation regions	2,646	1,613
Rejected	4,184	3,435

# Pseudogene Transcription

## Transcribed Pseudogenes in GENCODE 7

Evidence	Total	Validation		
		YES	NO	NA
EST/mRNA	422	62	32	328
BodyMap	344	234	37	73
Total RNA	110	54	43	13
Summary	876	350	112	414

### Lift to GENCODE 10?

872 GENCODE 10 pseudogenes overlap (> 90%) the transcribed pseudogenes from GENCODE 7.

# Pseudogene Parents

GENCODE 7

Parents of 9,369 pseudogenes were uniquely identified.

GENCODE 10

Parents of 10,370 pseudogenes were uniquely identified.