

Fig1A - Distribution of correlations between reads mapping to L1 Subfamilies in RNA-seq experiments and # of bases of these same subfamilies in the Ref. Genome

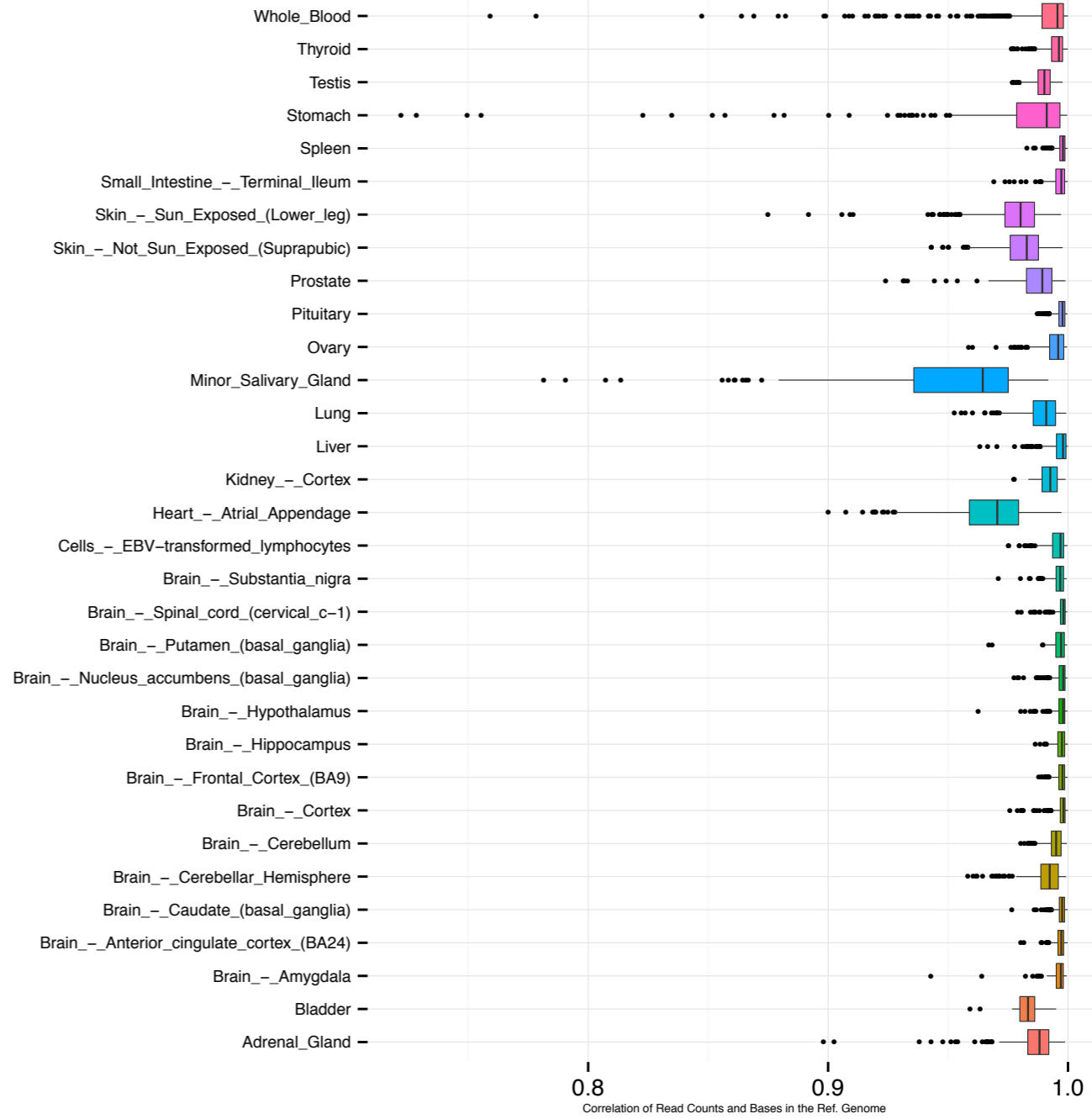
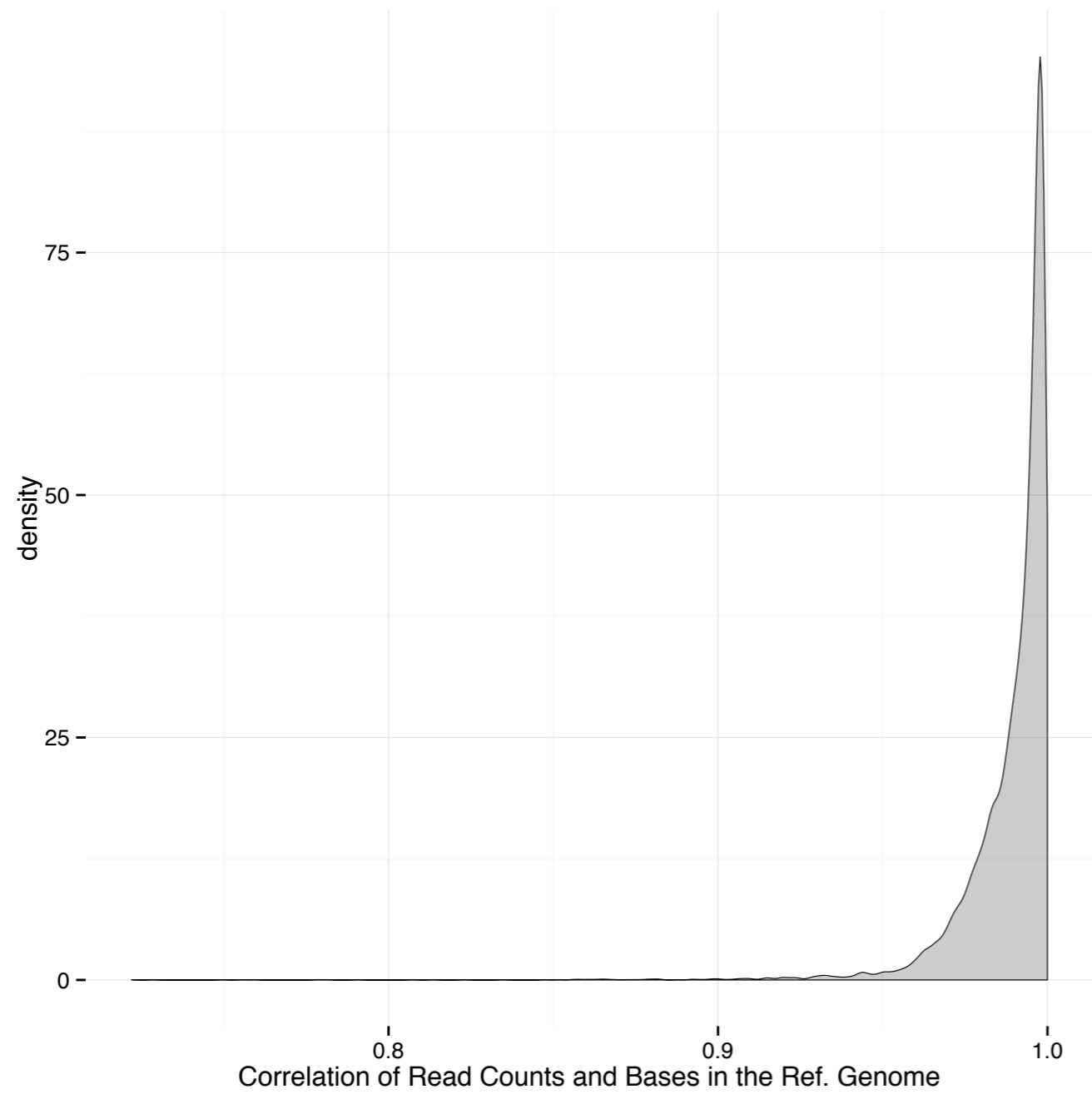


Fig1B - Pipeline

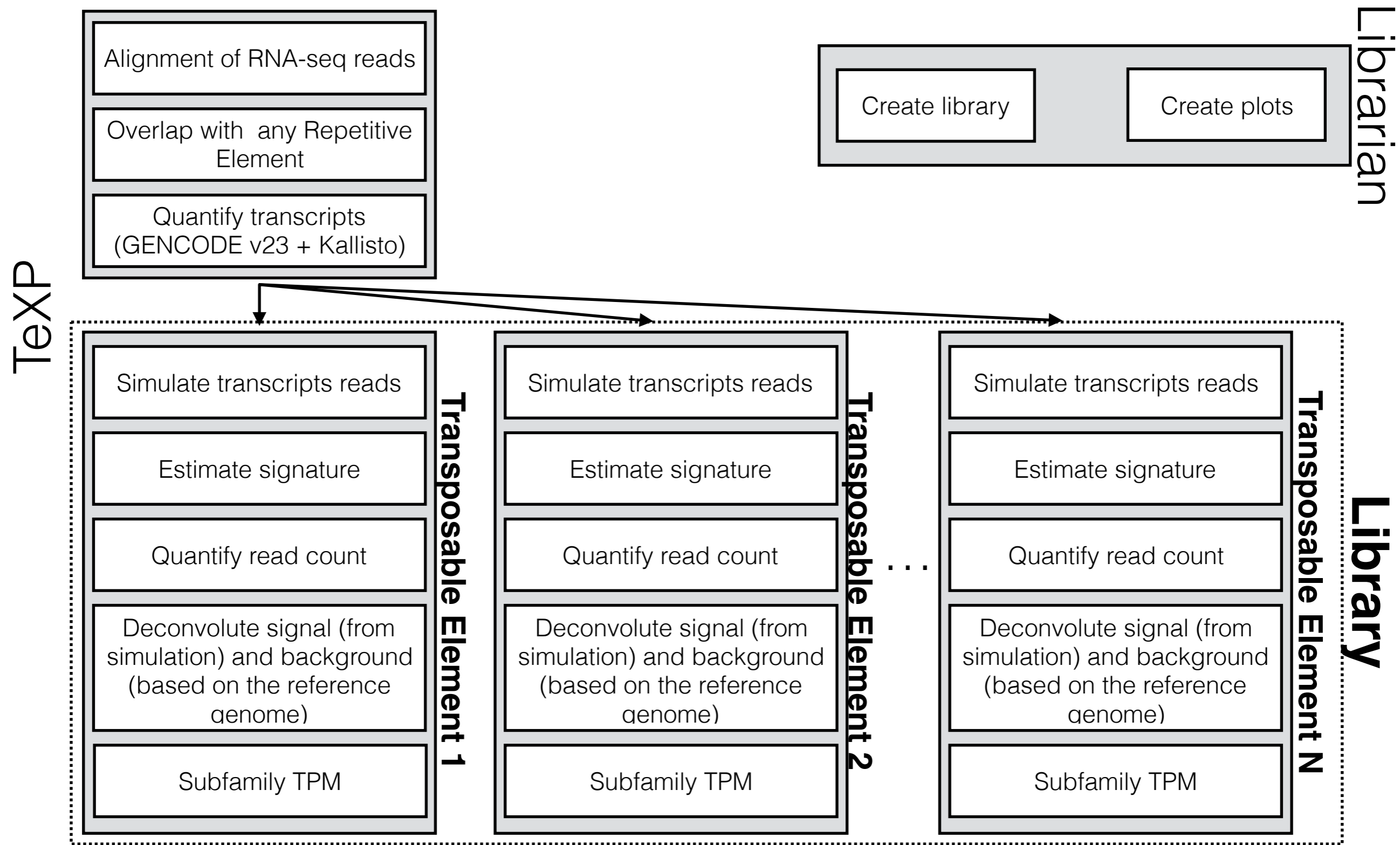


Fig1C - MCF7 after/before

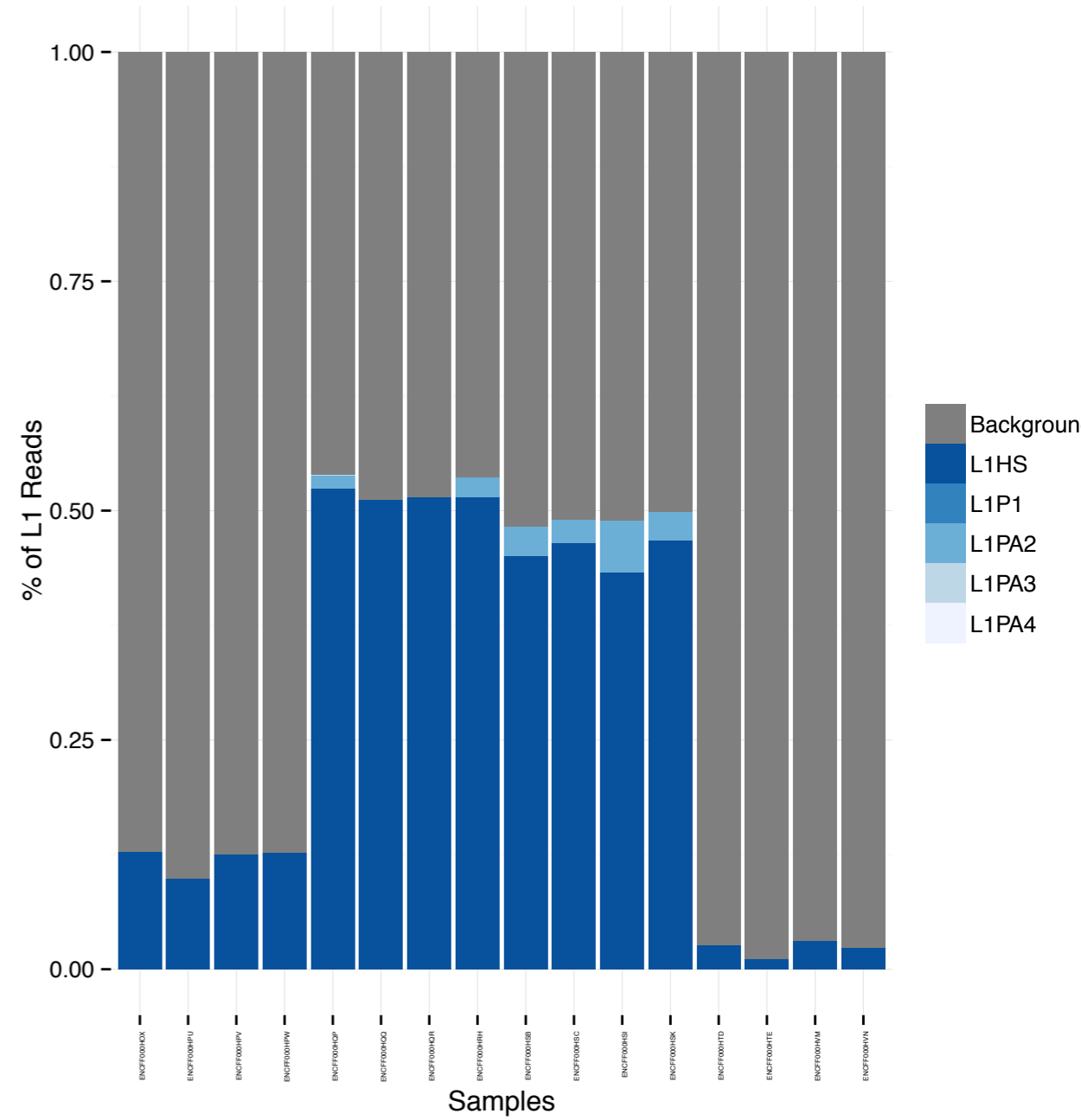
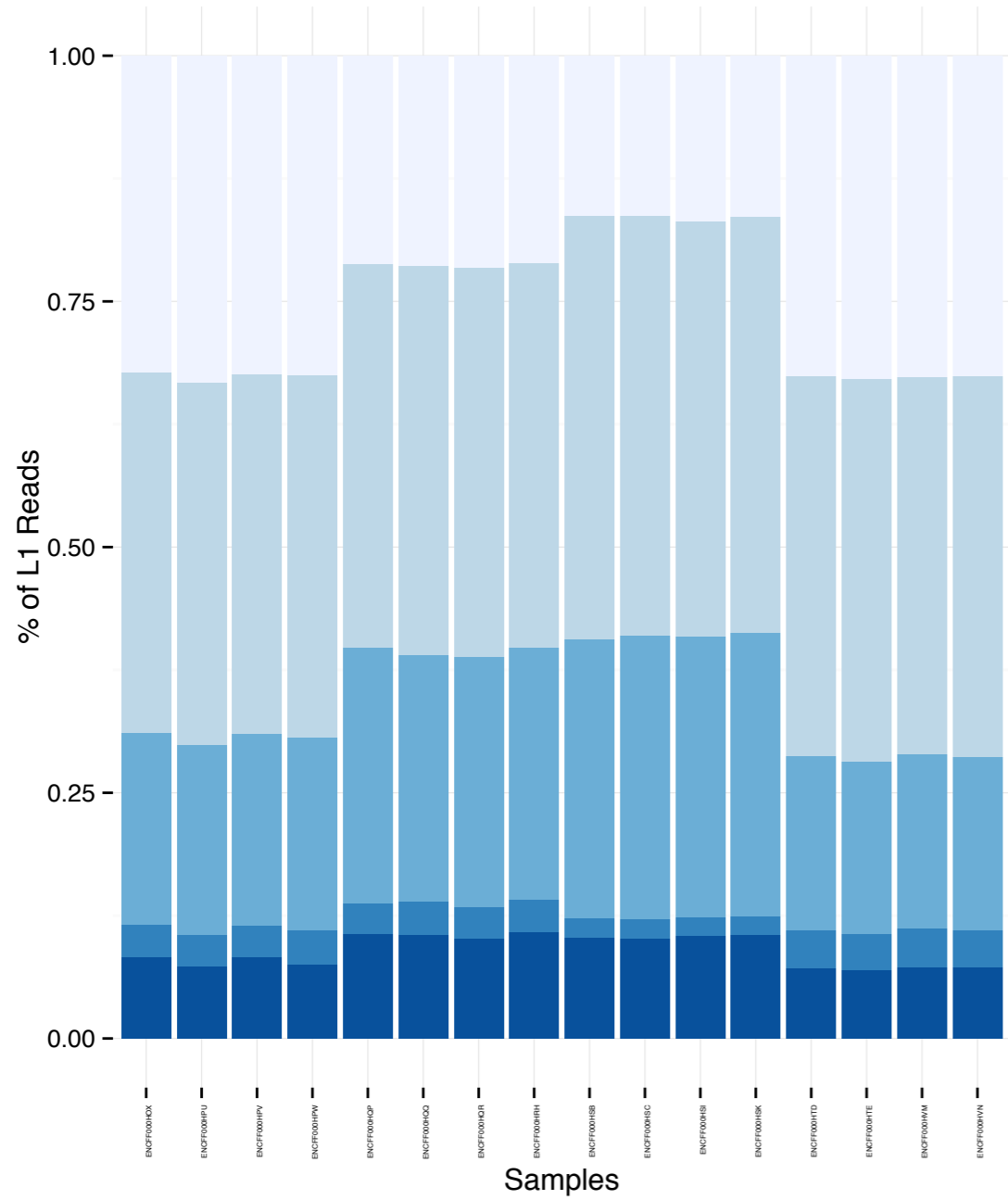


Fig1D - Controls

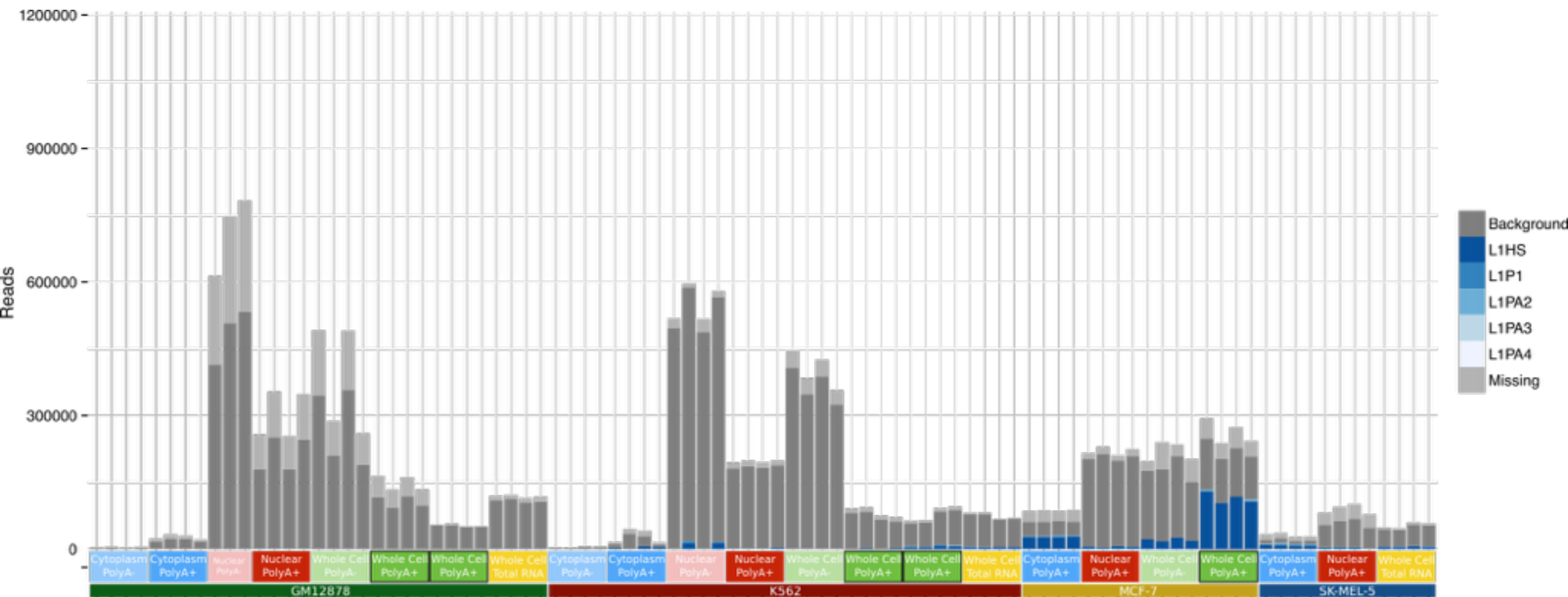


Fig1E - Validation

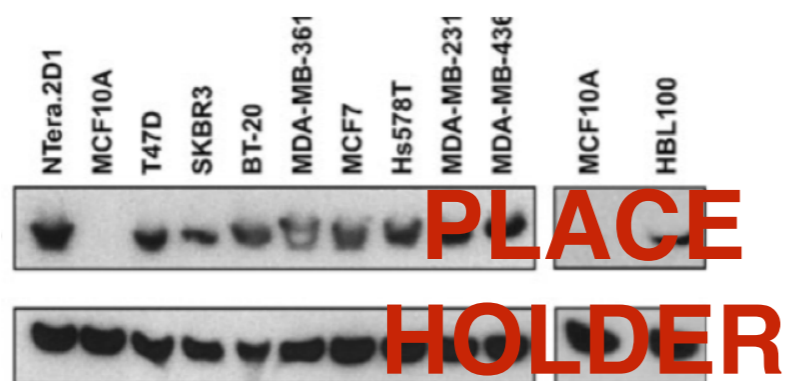


Table1 - Processed samples

Project	RNA-seq samples	Tissues
GTex	3836	16
BrainSpan	618	1
TCGA	673	1
272 Glioblastoma	272	1
Brain single cell	466	1 (9 cell types)
Embryonic single cell	124	7 embryonic stages
PsychENCODE (Flora's iPSC)	-	-

Fig2A - L1Hs in other GTex tissues

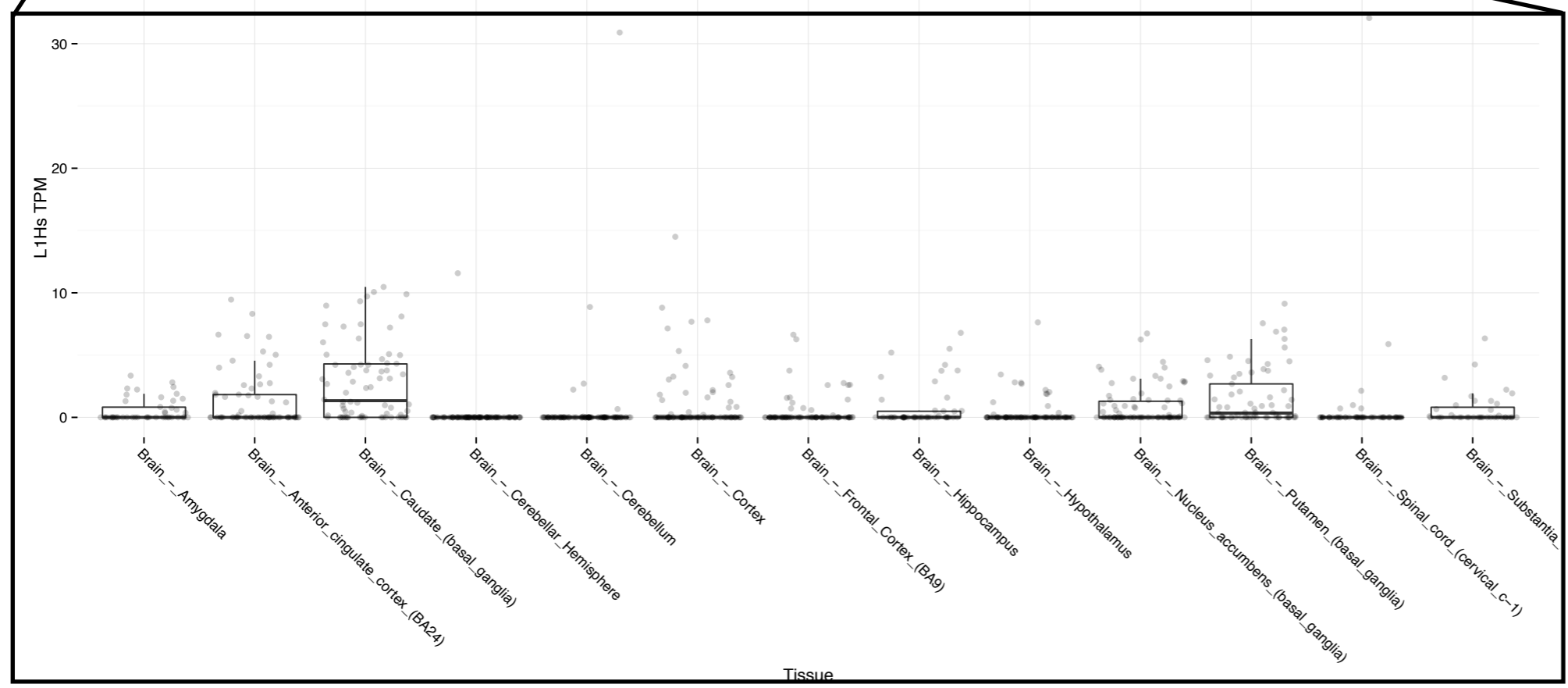
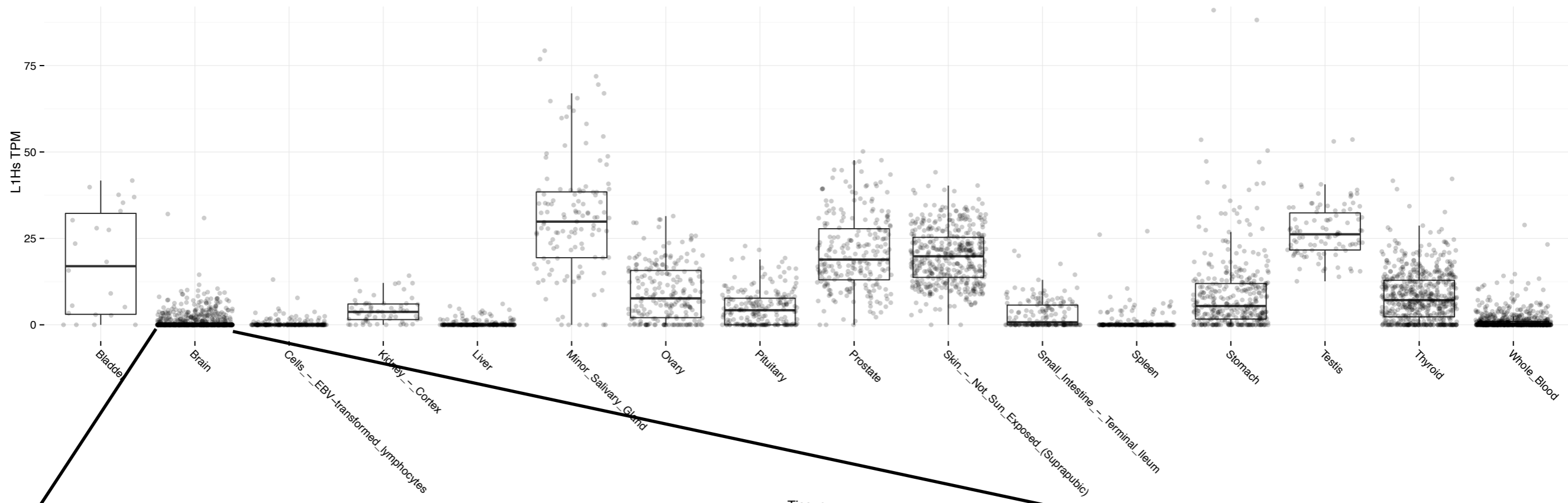


Fig2B - L1Hs and age

Tissue	Correlation	p-value
Brain - Cortex	0.23	1.8×10^{-2}
Brain - Putamen	0.25	3.1×10^{-2}
Kidney	0.27	2.9×10^{-2}
Pituitary gland	0.17	9×10^{-3}
Prostate	-0.31	5.4×10^{-8}
Skin (not exposed)	0.22	1.38×10^{-5}
Stomach	0.12	1.9×10^{-2}
Testis	0.24	1.5×10^{-2}
Whole blood	-0.1	4×10^{-3}

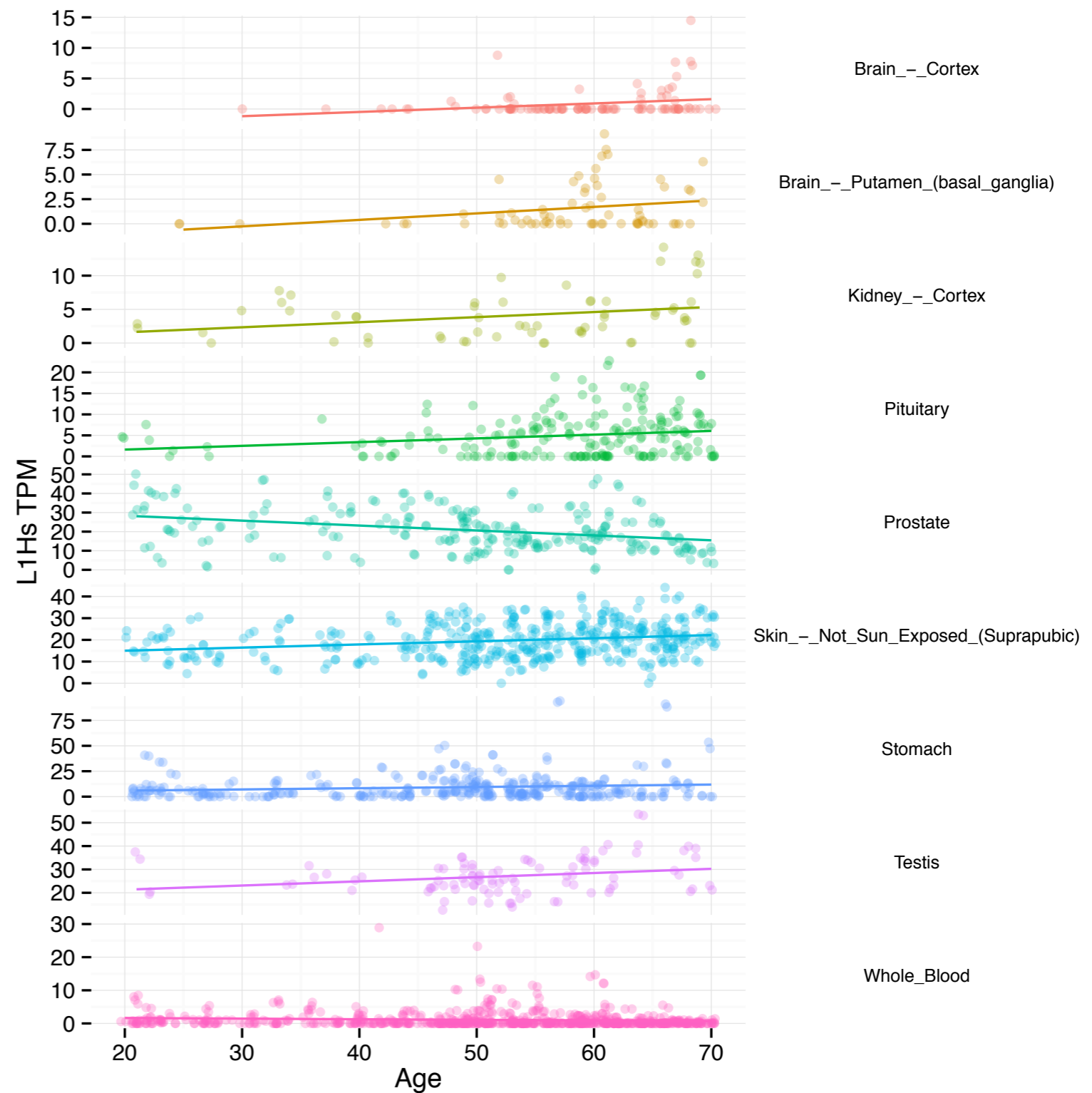


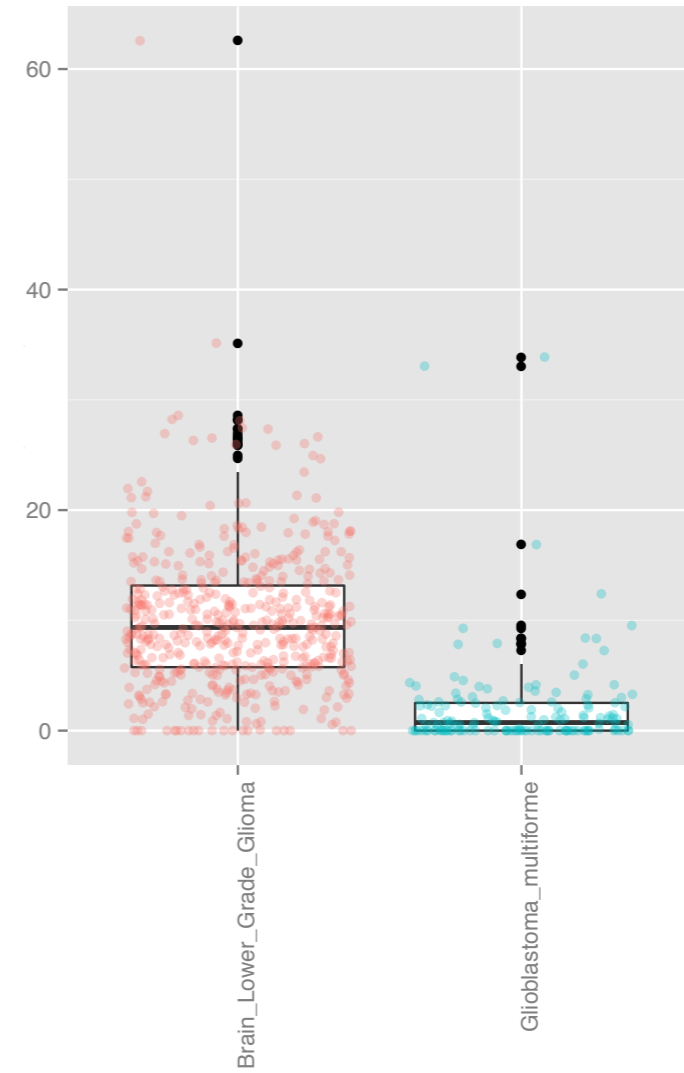
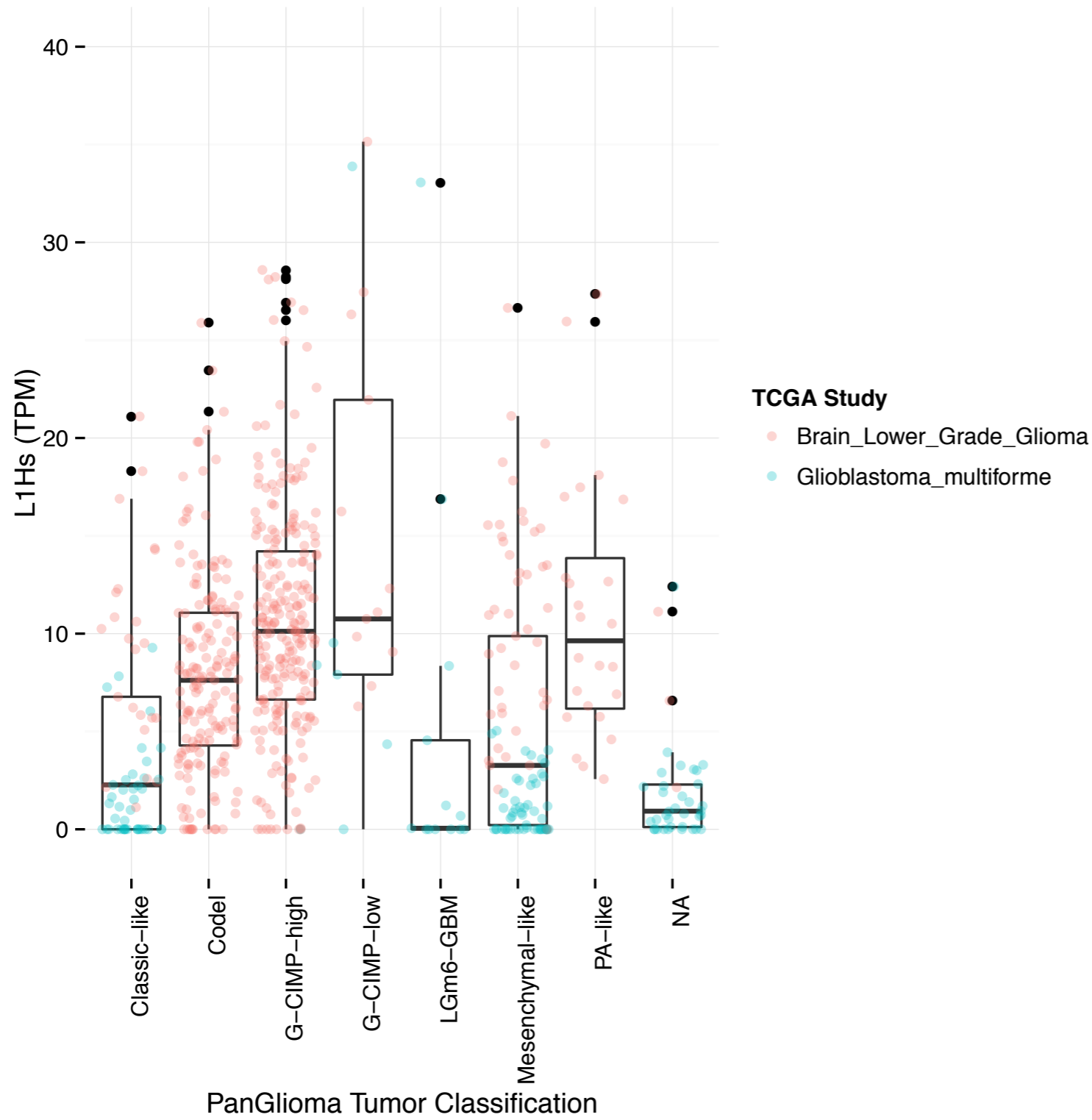
Fig2B - Human Brain and TEs (L1HS)

+Very early development single-cell sequencing

Fig2C - Human Brain and TEs (LTR5_Hs)

+Very early development single-cell sequencing

Fig3 - Diseased brains



+272 Glioblastoma samples (done)
+TCGA