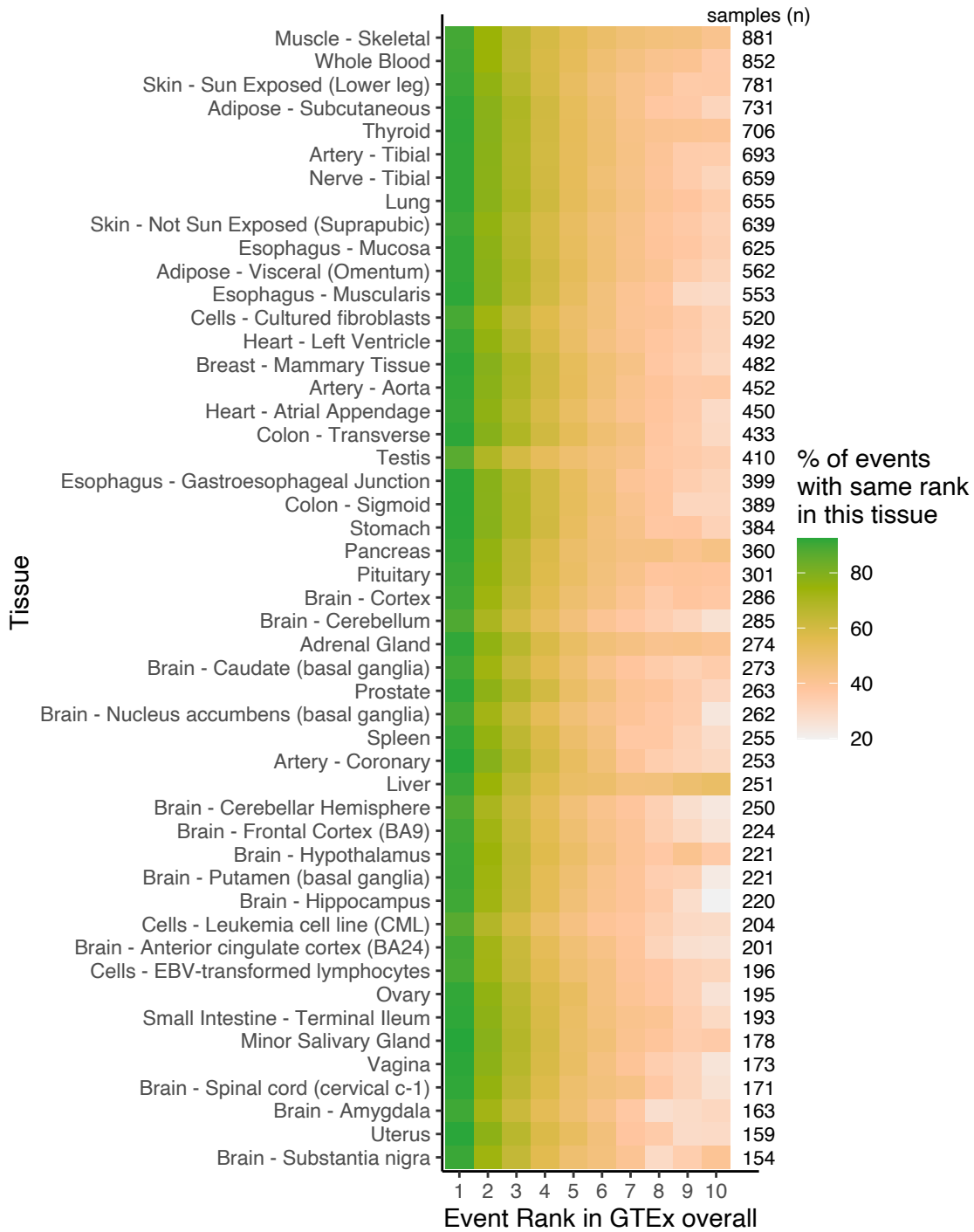
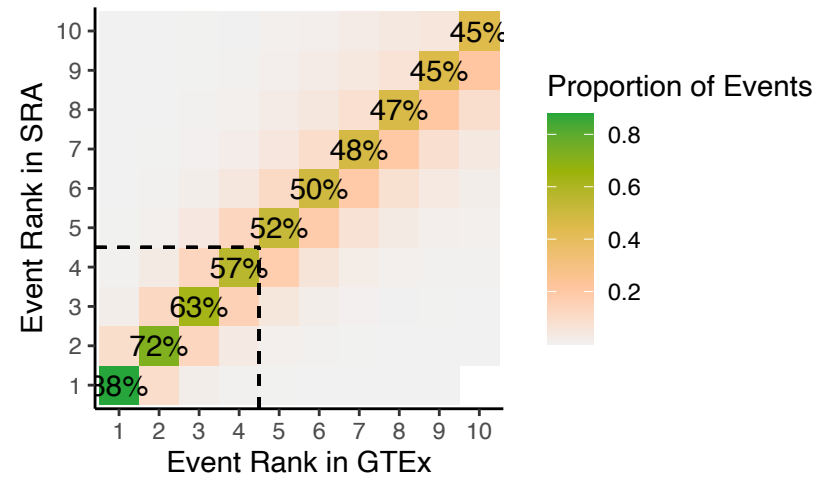
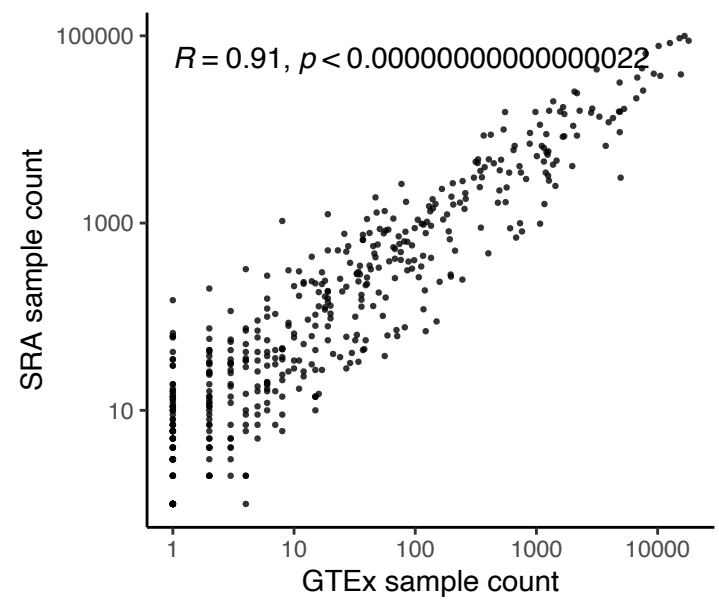
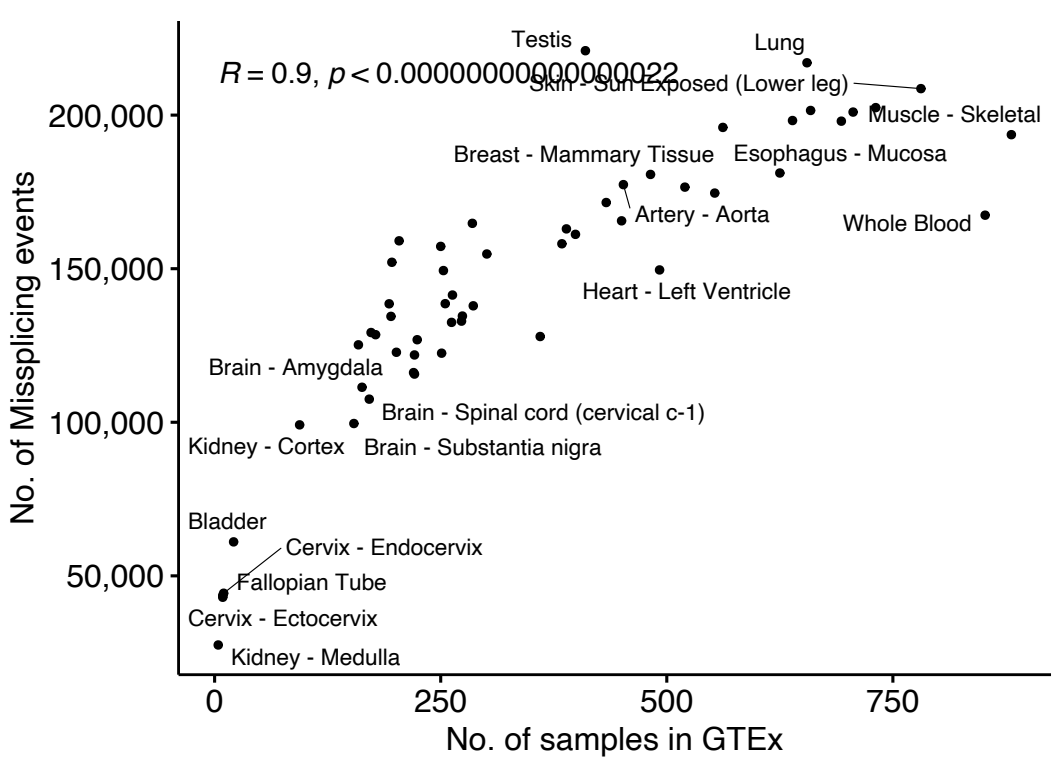
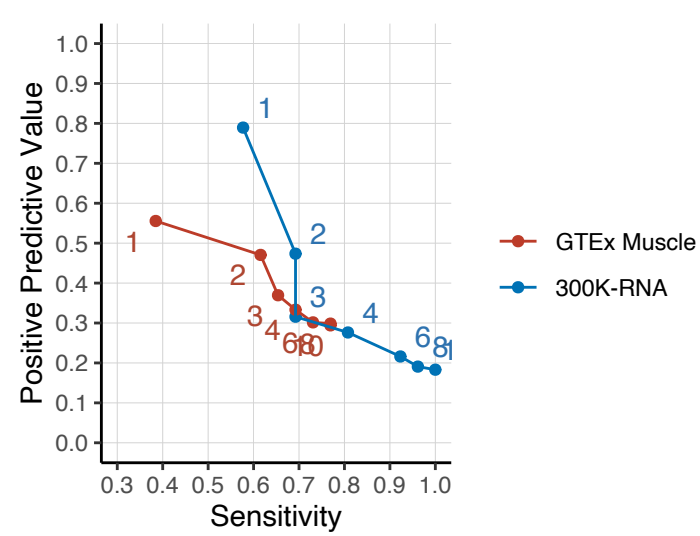

samples (n)
Muscle - Skeletal 881
Whole Blood 852
Skin - Sun Exposed (Lower leg) 781
Adipose - Subcutaneous 731
Thyroid 706
Artery - Tibial 693
Nerve - Tibial 659
Lung 655
Skin - Not Sun Exposed (Suprapubic) 639
Esophagus - Mucosa 625
Adipose - Visceral (Omentum) 562
Esophagus - Muscularis 553
Cells - Cultured fibroblasts 520
Heart - Left Ventricle 492
Breast - Mammary Tissue 482
Artery - Aorta 452
Heart - Atrial Appendage 450
Colon - Transverse 433
Testis 410
Esophagus - Gastroesophageal Junction 399
Colon - Sigmoid 389
Stomach 384
Pancreas 360
Pituitary 301
Brain - Cortex 286
Brain - Cerebellum 285
Adrenal Gland 274
Brain - Caudate (basal ganglia) 273
Prostate 263
Brain - Nucleus accumbens (basal ganglia) 262
Spleen 255
Artery - Coronary 253
Liver 251
Brain - Cerebellar Hemisphere 250
Brain - Frontal Cortex (BA9) 224
Brain - Hypothalamus 221
Brain - Putamen (basal ganglia) 221
Brain - Hippocampus 220
Cells - Leukemia cell line (CML) 204
Brain - Anterior cingulate cortex (BA24) 201
Cells - EBV-transformed lymphocytes 196
Ovary 195
Small Intestine - Terminal Ileum 193
Minor Salivary Gland 178
Vagina 173
Brain - Spinal cord (cervical c-1) 171
Brain - Amygdala 163
Uterus 159
Brain - Substantia nigra 154
Tissue
1 2 3 4 5 6 7 8 9 10
Event Rank in GTEx overall
% of events with same rank in this tissue
80
60
40
20


Event Rank in SRA
Event Rank in GTEx
1 2 3 4 5 6 7 8 9 10
38%
72%
63%
57%
52%
50%
48%
47%
45%
45%
Proportion of Events
0.8
0.6
0.4
0.2


R = 0.91, p < 0.00000000000000022
SRA sample count
GTEx sample count
100000
1000
10
1
10
100
1000
10000


R = 0.9, p < 0.00000000000000022
No. of Missplicing events
No. of samples in GTEx
200,000
150,000
100,000
50,000
0
250
500
750
Testis
Lung
Skin - Sun Exposed (Lower leg)
Muscle - Skeletal
Breast - Mammary Tissue
Esophagus - Mucosa
Artery - Aorta
Whole Blood
Heart - Left Ventricle
Brain - Amygdala
Brain - Spinal cord (cervical c-1)
Kidney - Cortex
Brain - Substantia nigra
Bladder
Cervix - Endocervix
Fallopian Tube
Cervix - Ectocervix
Kidney - Medulla


Positive Predictive Value
Sensitivity
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
GTEx Muscle
300K-RNA