

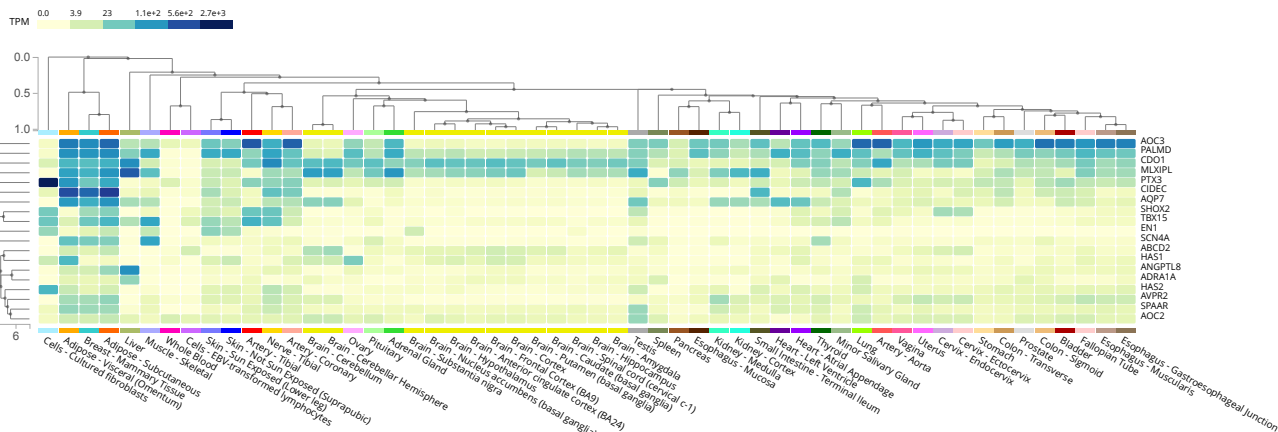
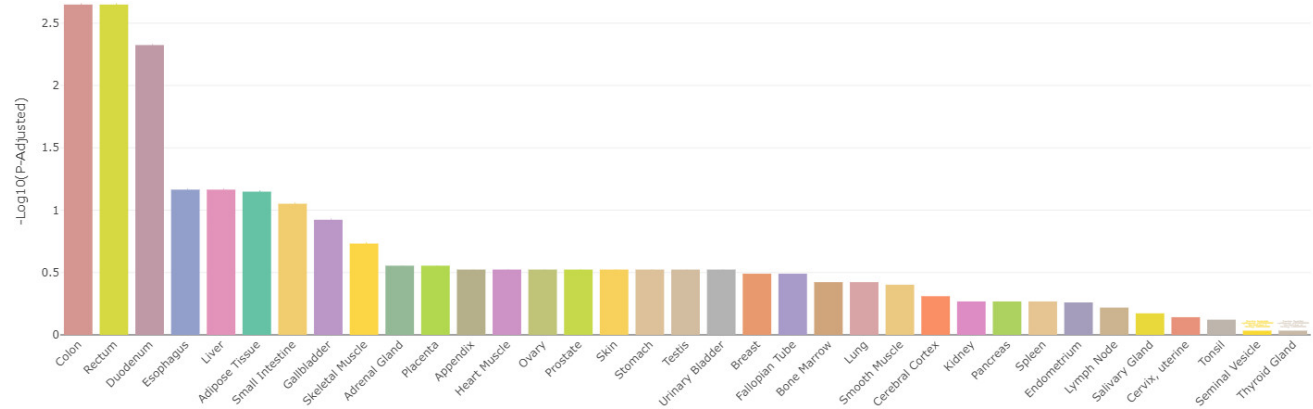
Deep Learning Deciphers the Related Role of Master Regulators and G-Quadruplexes in Tissue Specification

Artem Bashkatov, Andrey Andreyanov, Dmitry Konovalov, Alan Herbert, Maria Poptsova

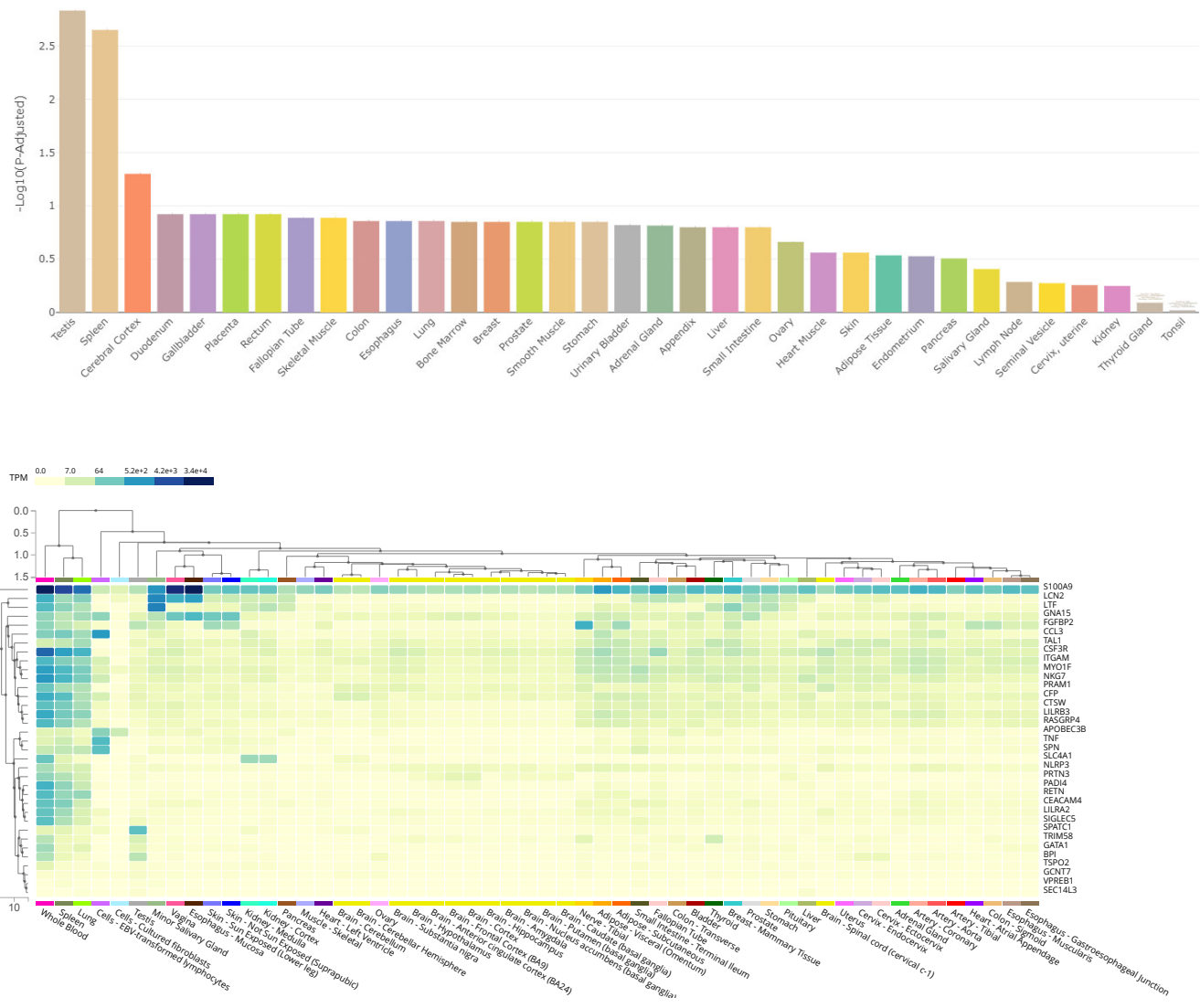
Supplementary Figure 1. Tissue-specific genes lists with G-quadruplexes predictions visualized using the TissueEnrich tool (upper panel). Tissue-specific genes expression with G-quadruplexes predictions, selected by TissueEnrich and visualized using the GTEx tool (lower panel).

A - Adipocyte
B - Bone
C - Breast
D - Cardiovascular
E - Digestive tract
F - Epidermis
G - Kidney
H - Liver
I - Lung
J - Muscle
K - Neural
L - Pancreas
M - Prostate
N - Uterus

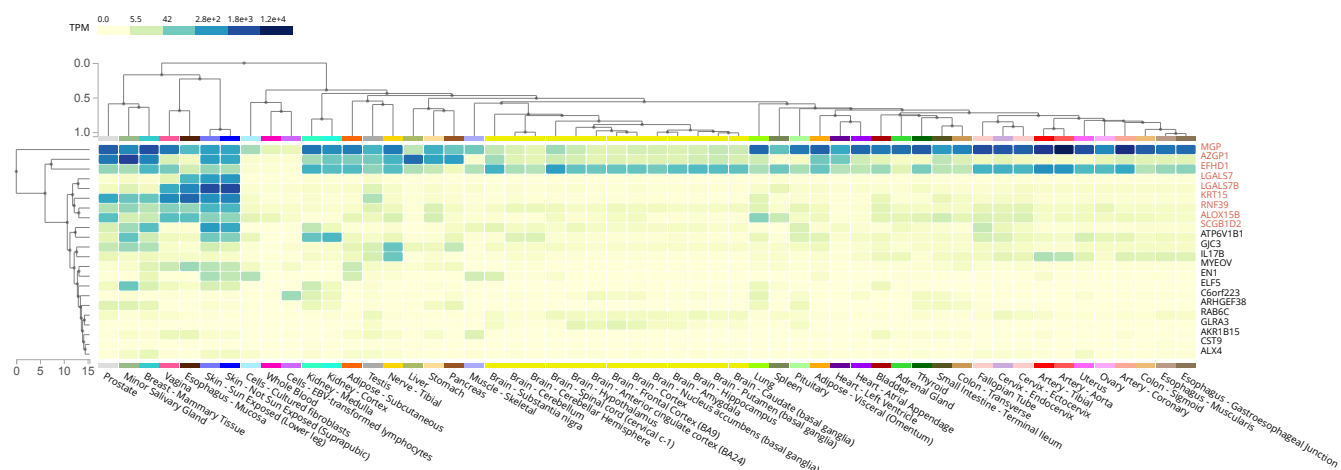
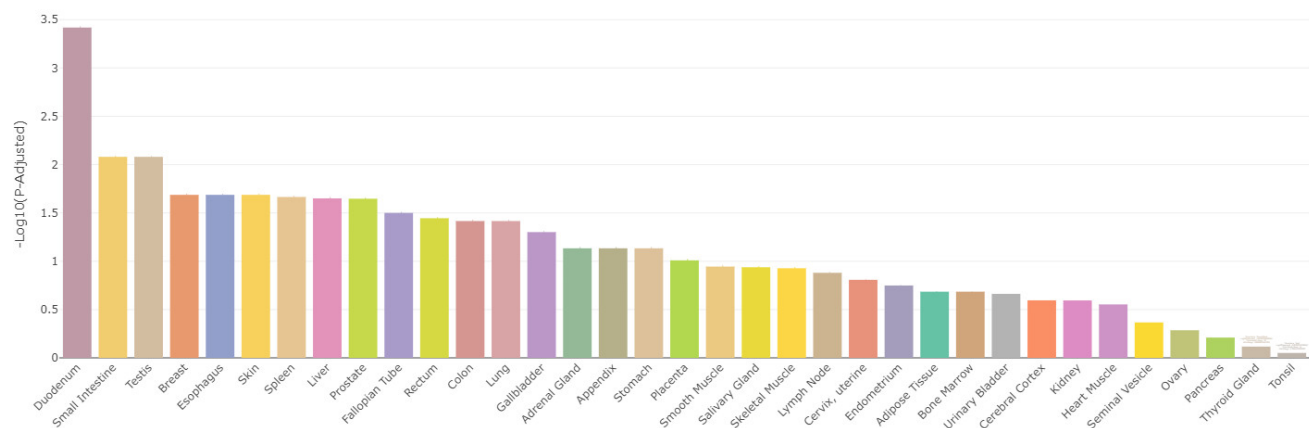
A



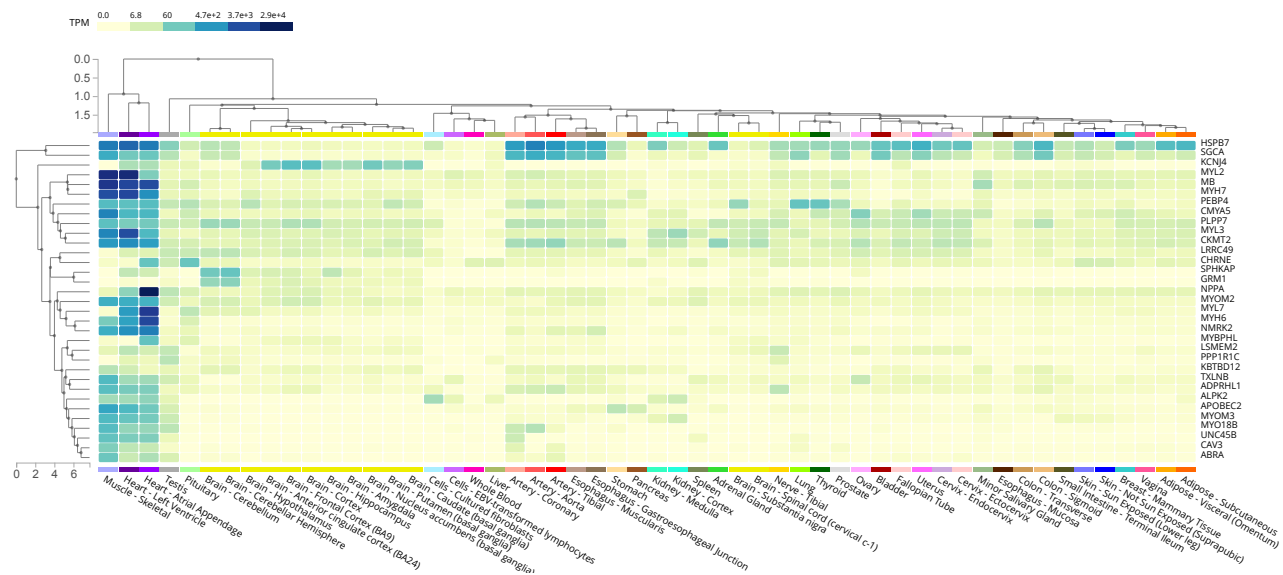
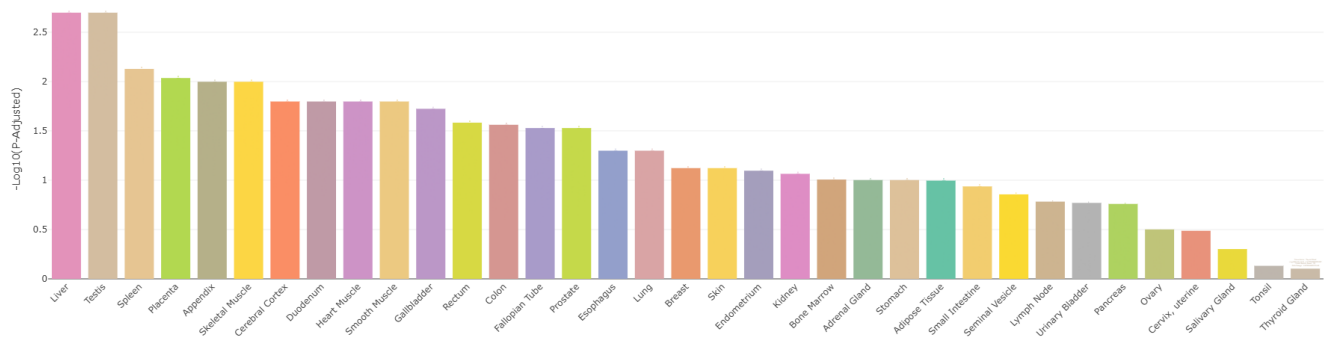
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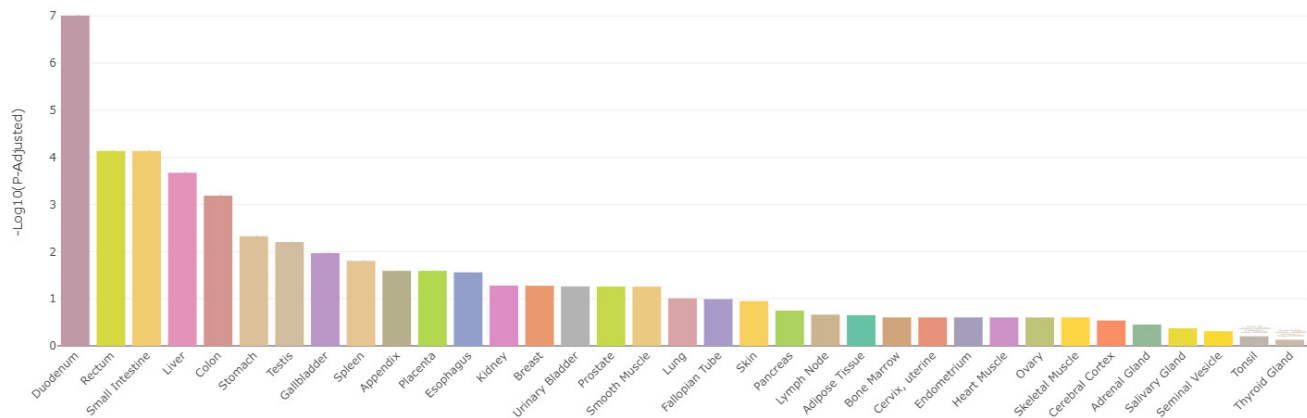
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D

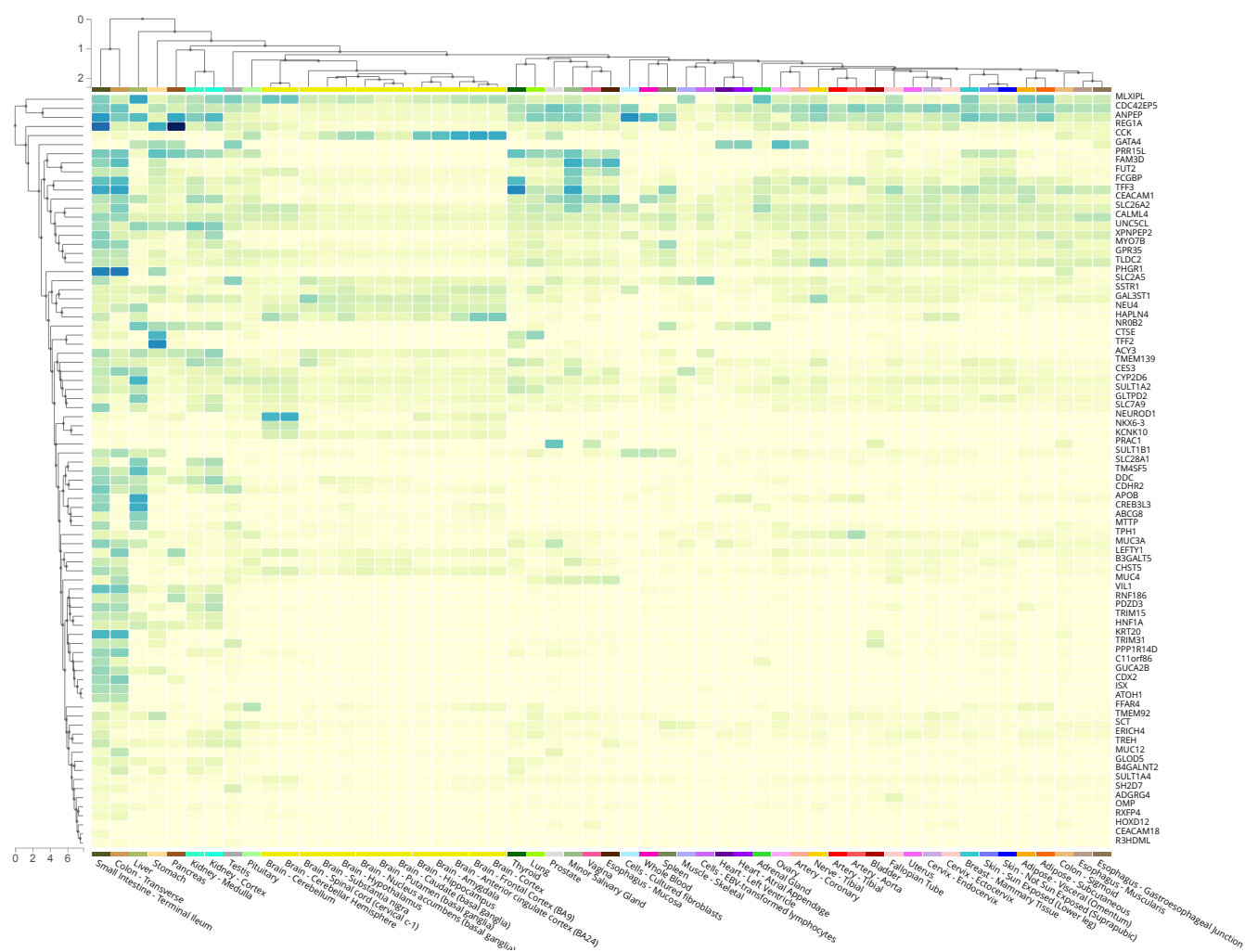


E

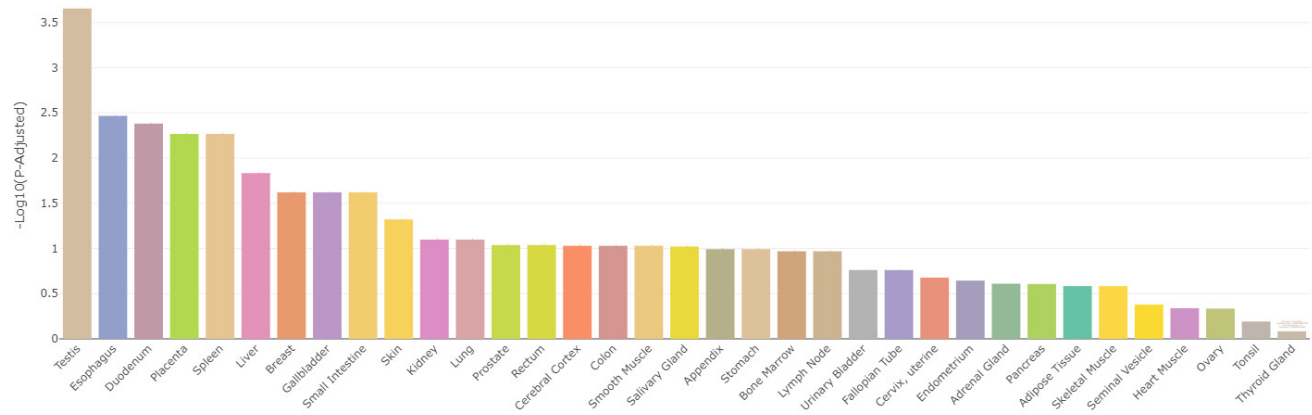


TPM

0.0 7.9 78 7.0e+2 6.3e+3 5.6e+4



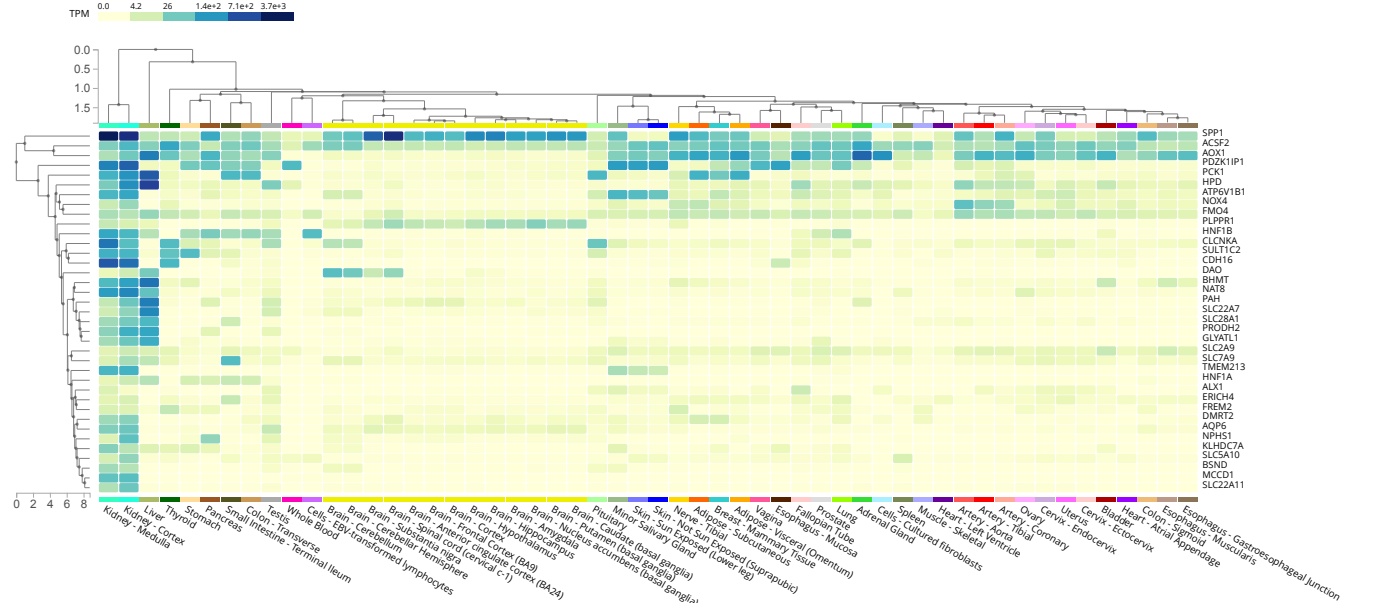
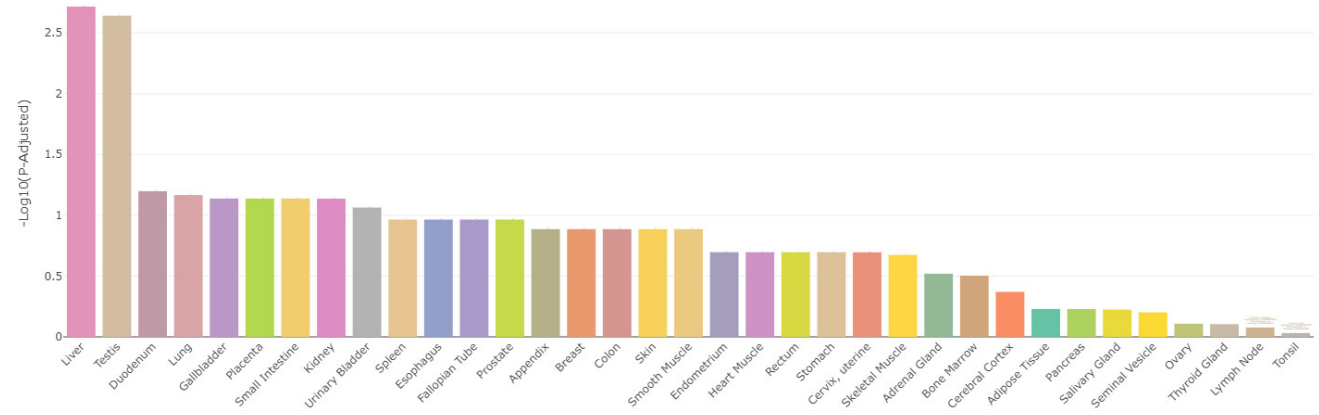
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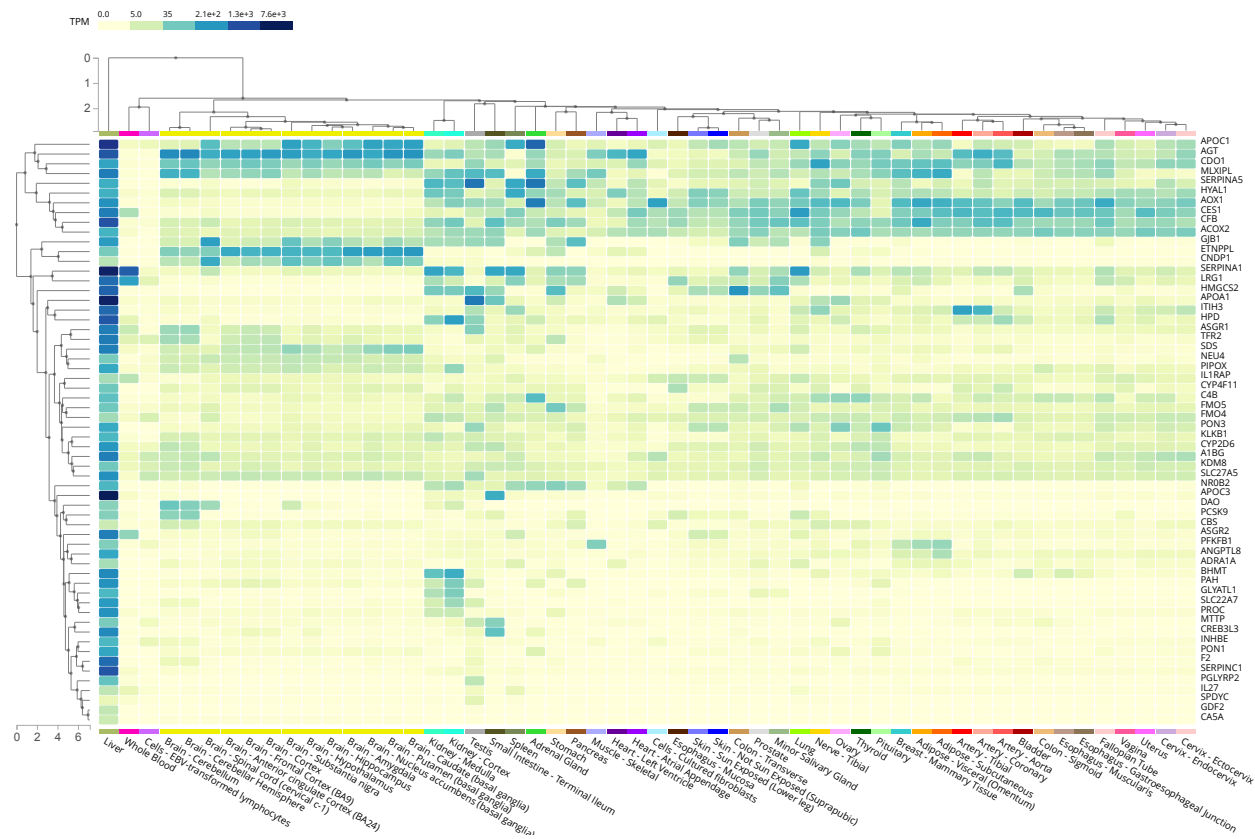
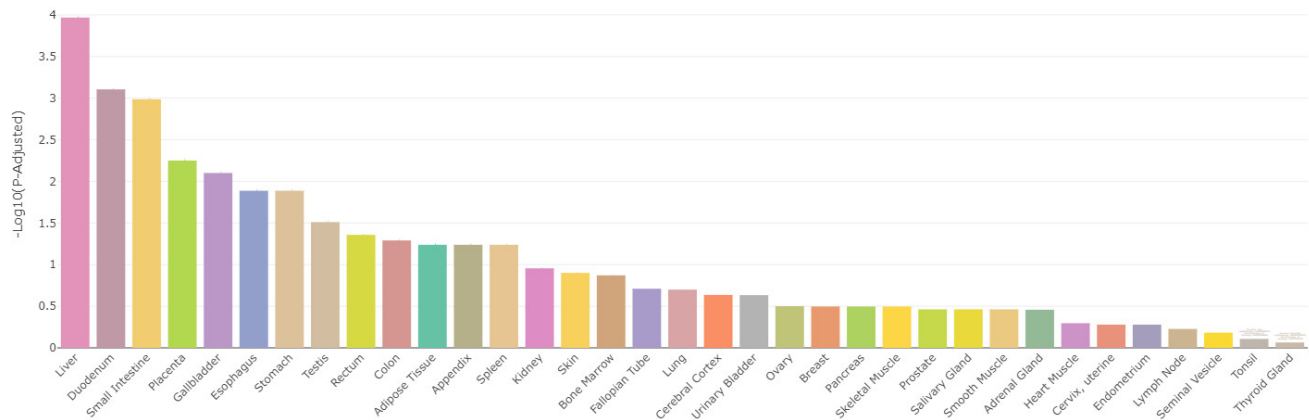
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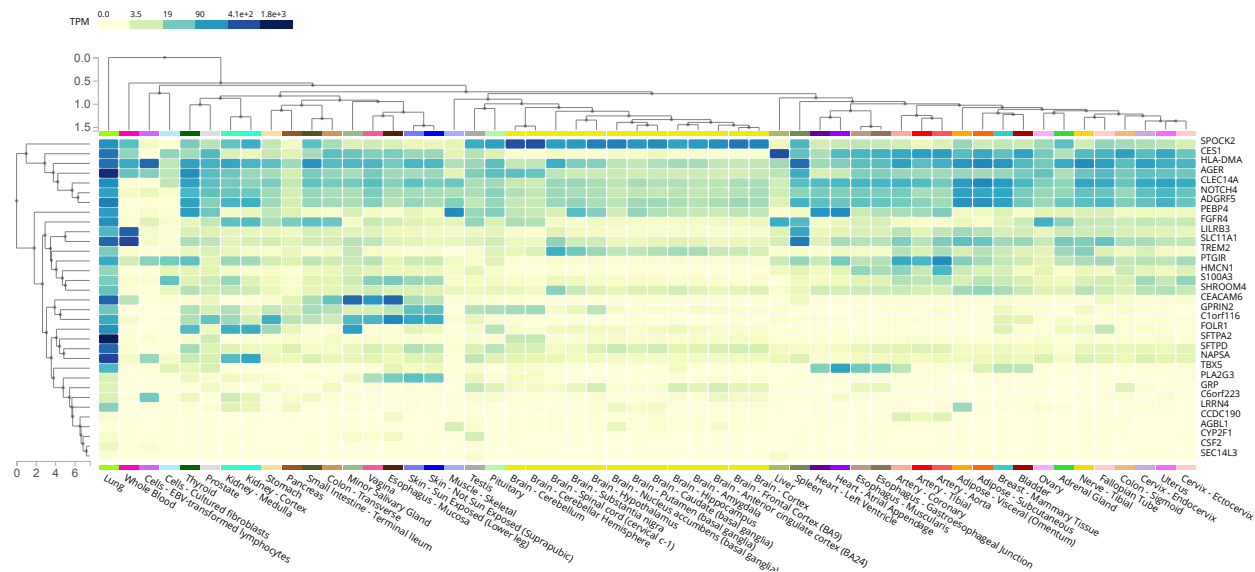
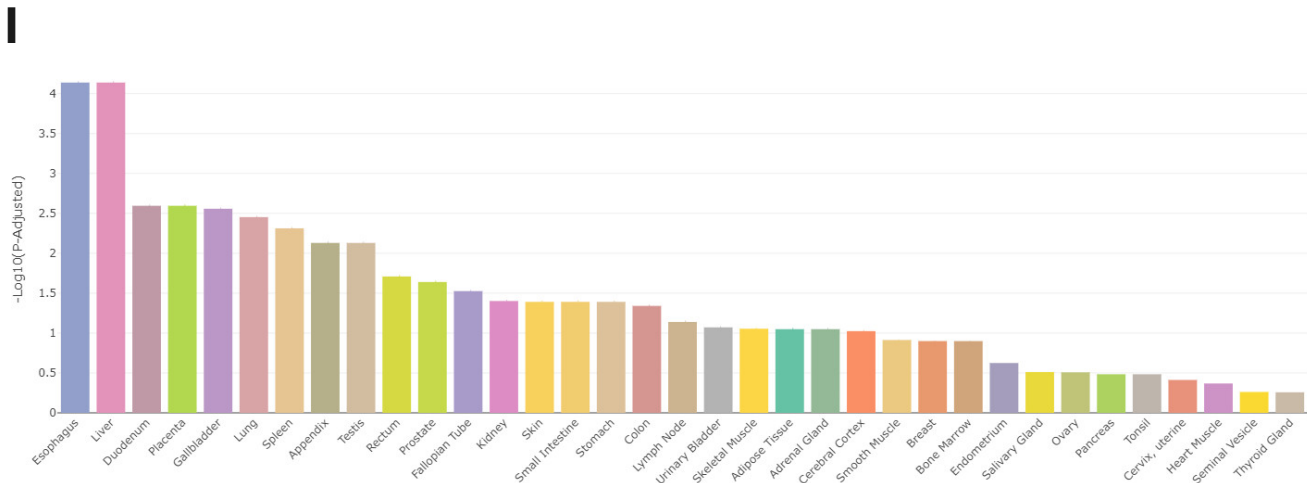


G

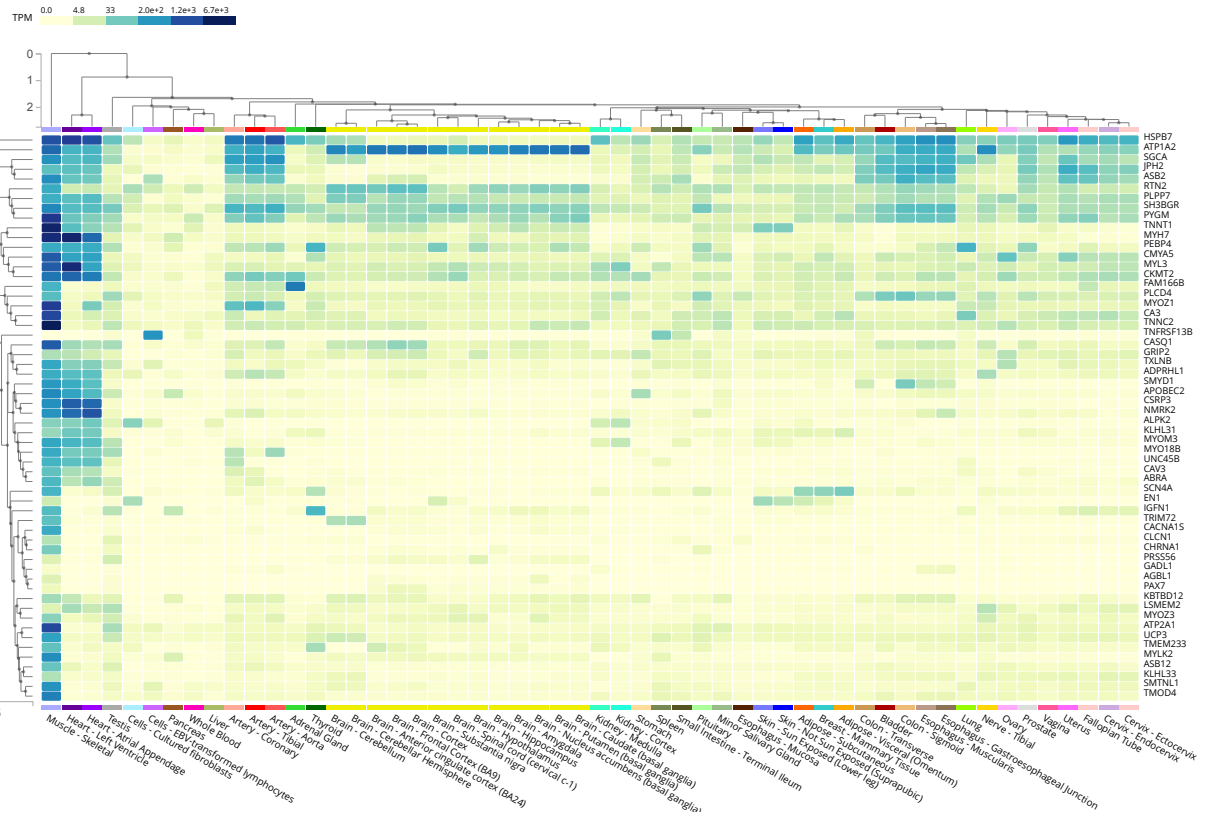


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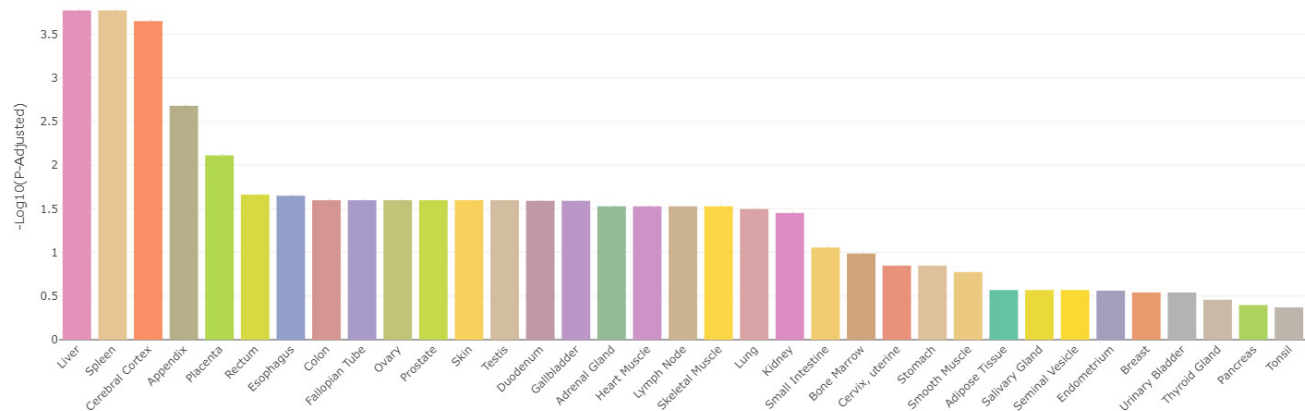




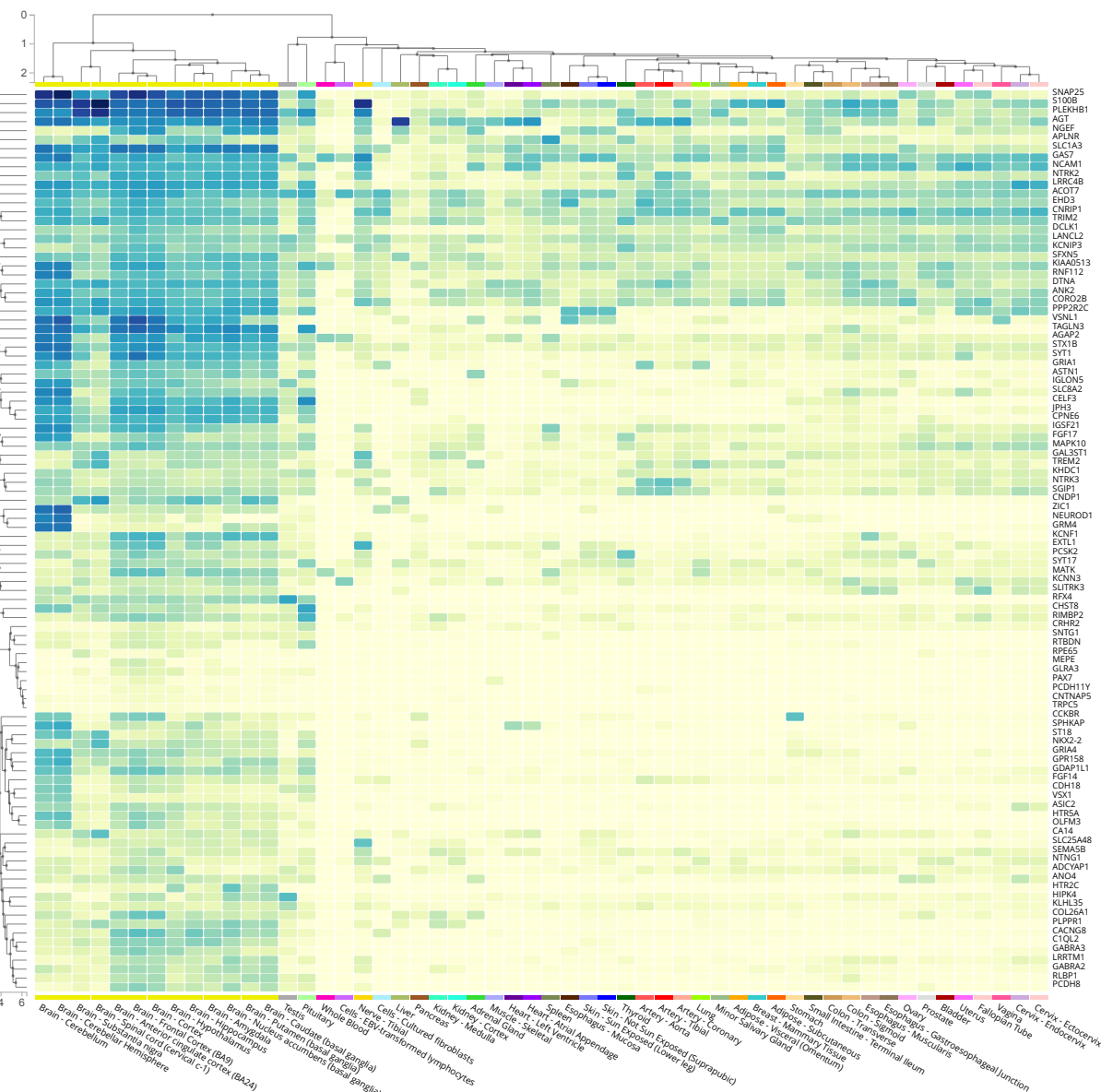
Bar chart showing the $-\log_{10}(P\text{-Adjusted})$ values for various tissues. The y-axis ranges from 0 to 6. The x-axis lists tissues: Skeletal Muscle, Heart Muscle, Liver, Placenta, Esophagus, Cerebral Cortex, Duodenum, Fallopian Tube, Prostate, Spleen, Testis, Urinary Bladder, Endometrium, Breast, Ovary, Stomach, Adipose Tissue, Small Intestine, Colon, Cervix, uterine, Gallbladder, Lung, Rectum, Salivary Gland, Adrenal Gland, Skin, Smooth Muscle, Appendix, Lymph Node, Bone Marrow, Kidney, Seminal Vesicle, Pancreas, Thyroid Gland, and Tonsil. Skeletal Muscle has the highest value (approx. 5.8), followed by Heart Muscle (approx. 2.3) and Liver (approx. 1.9).



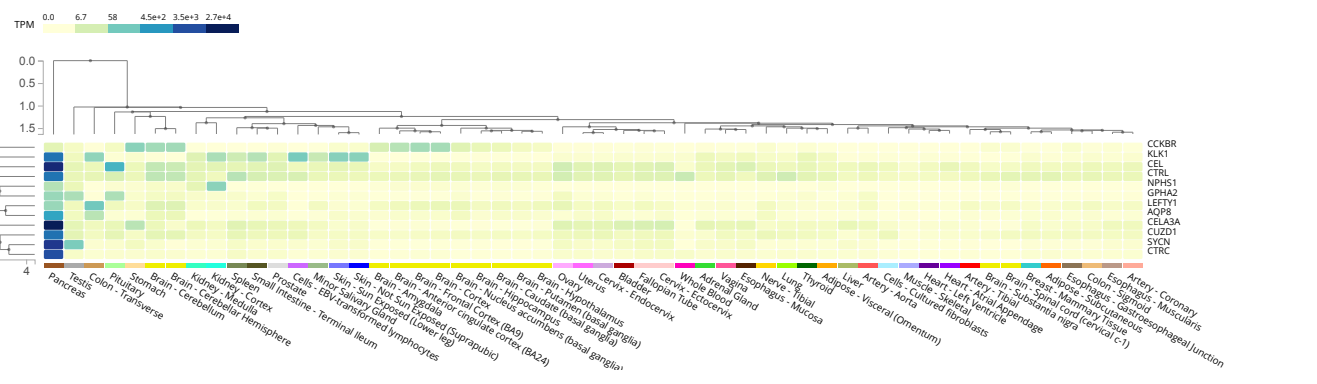
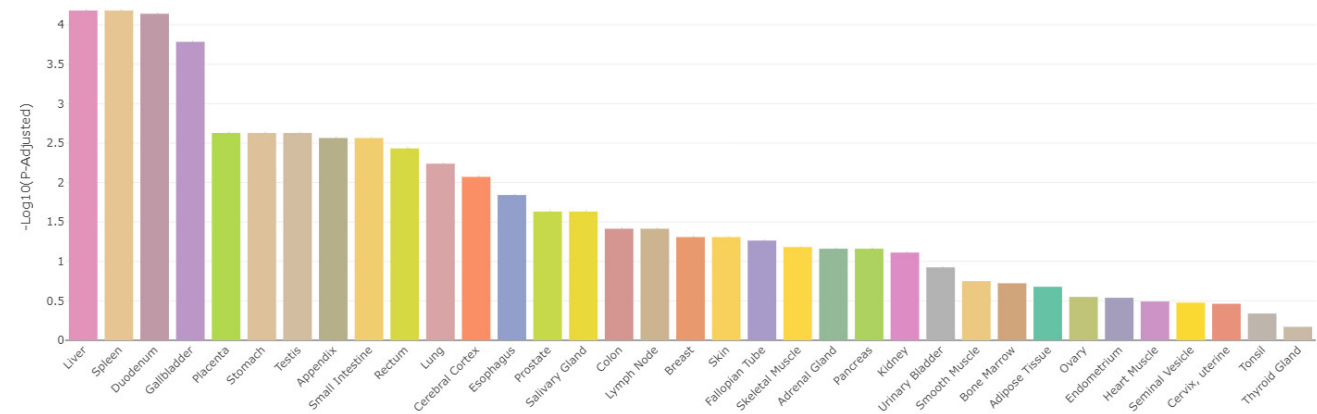
K



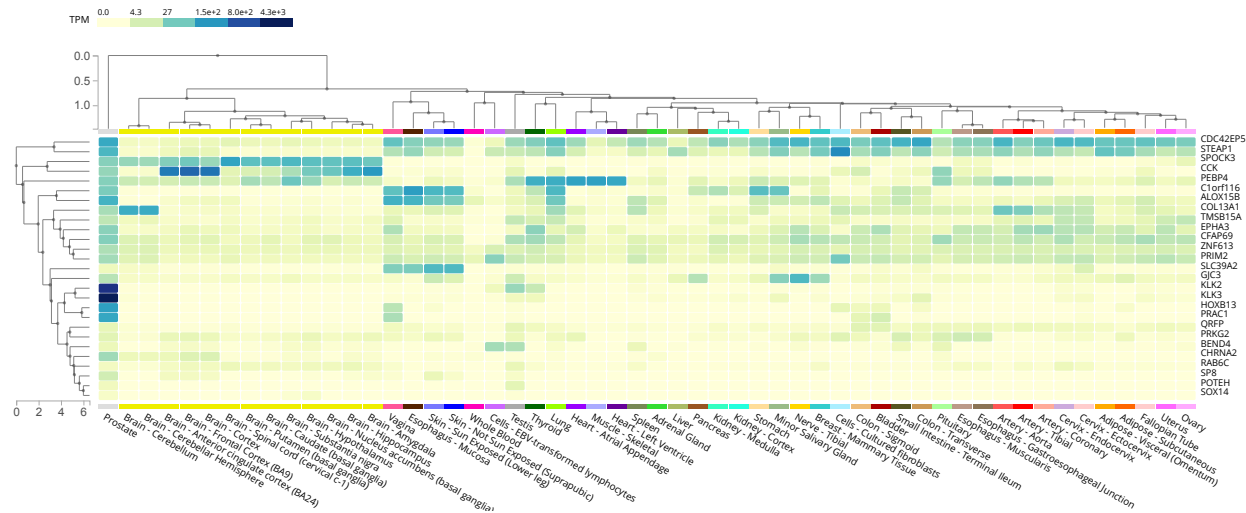
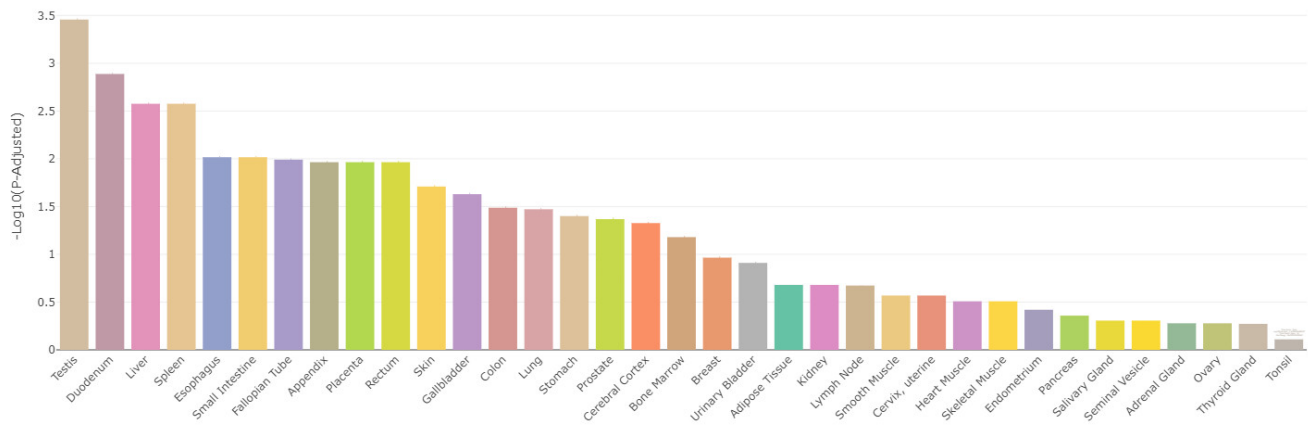
TPM



L



M



N

