

Supplementary Table S3. Relative expression values of relevant enzymes and transporters.

Relative expression values for the vascular system, as well as all organs and tissues used to estimate relative abundance of relevant ADME enzymes and transporters, which are involved in metabolism and elimination processes of APAP and CAF.

	ABCB1	ABCG2	CYP1A2	CYP2E1	GSTT1	SULT1A1	UGT1A9
Plasma	0	0	0	0	0.02	0.14	0
Vascular Endothelium	0	0	0	0	0	0	0
Blood Cells	0	0	0	0	0.02	0.14	0
Bone	0.09	0.21	0	0	8.18E-03	0.05	0
Brain	0.31	0.46	0	6.97E-04	0.09	0.06	0
Fat	0	0	0	0	0	0	0
Gonads	0.19	0.27	2.96E-04	1.11E-03	0.04	0.1	1.62E-04
Heart	0.17	0.11	0	0	0.33	0.09	0
Kidney	0.66	0.09	4.40E-06	4.24E-04	0.06	0.06	1
Liver	0.28	0.28	1	1	0.21	1	0.1
Lung	0.14	0.22	2.49E-05	6.38E-04	0.06	0.13	0
Muscle	0.06	0.03	0	0	1	0.07	0
Pancreas	0.1	5.43E-03	0	0	9.49E-03	0.04	0
Skin	0.11	0	0	0	0	0	0
Spleen	0.21	0.06	0	0	0.06	0.12	0
Duodenum	1	1	0	8.12E-03	0.15	0.3	4.13E-03
Jejunum	1	1	0	8.12E-03	0.15	0.3	4.13E-03
Ileum	1	1	0	8.12E-03	0.15	0.3	4.13E-03
Cecum	0	0	0	0	0	0	0
Colon	0.45	0.16	0	0	0.14	0.22	7.95E-03
Rectum	0	0	0	0	0	0	0
Stomach	0.14	0.04	0	0	0.07	0.05	1.73E-03
Small Intestine	1	1	0	8.12E-03	0.15	0.3	4.13E-03
Large Intestine	0.45	0.16	0	0	0.14	0.22	7.95E-03