

Table S1. Percentages of tissue area for each sub-compartment of the screening group.

Case #	TP %	TC%	LP %	LC%
1	90	10	85	15
2	85	15	70	30
3	95	5	95	5
4	90	10	80	20
5	95	5	80	20
6	95	5	95	5

Table S2. Signaling pathways enriched in TC compartment

KEGG pathway	p-value
ECM-receptor interaction	<1E-16
Glycosaminoglycan biosynthesis - chondroitin sulfate	<1E-16
Wnt signaling pathway	<1E-16
PI3K-Akt signaling pathway	<1E-16
Fatty acid biosynthesis	5,6E-16
MAPK signaling pathway	6,1E-13
Focal adhesion	8,4E-12
Pathways in cancer	2,4E-11
ErbB signaling pathway	2,7E-10