

Supplementary Table 1. Antibody panel.

FITC	PE	PerCP Cy5.5	PECy7	APC	APCH7	PB	V500
CK19 (2.5 µL)	-	-	-	Pan-CK (0.5 µL)	-	-	CD45 (1 µL)

FITC: Fluorescein isothiocyanate; PE phycoerythrin; PerCP: Peridin Chlorophyll Protein Complex; PC7: Phycoerythrin Cyanin 7; APC: allophycocyanin; PB: Pacific Blue

Supplementary Table 2. Prevalence of the subtypes ER, PR, HER2, and Ki67 in invasive breast carcinoma samples according to the St Gallen Conference.

Subtype	RE	RP	HER2+	Ki-67	% (N)
Luminal A	+	+/-	-	low	10.6 (5)
Luminal B/HER2-	+	+/-	-	high	47.0 (22)
Luminal B/HER2+	+	+/-	+(3+)	any	19.2 (9)
HER2+	-	-	+(3+)	any	4.2 (2)
TNBC	-	-	-	any	19.2 (9)
Indeterminate	+/-	+/-	+(2+)	any	0 (0)
Unclassified	-	+	any	any	0 (0)
Total					100 (47)

IHC: immunohistochemical subtypes; ER: estrogen receptor; PR: progesterone receptor; HER2: human epidermal growth factor receptor 2; Ki67: Proliferation Marker; TNBC: triple-negative breast carcinoma; +: positive; -: negative; +/-: positive or negative; +(3+): positive if at least 10% of tumor cells showed a membrane staining score of 3+; N: number of cases.