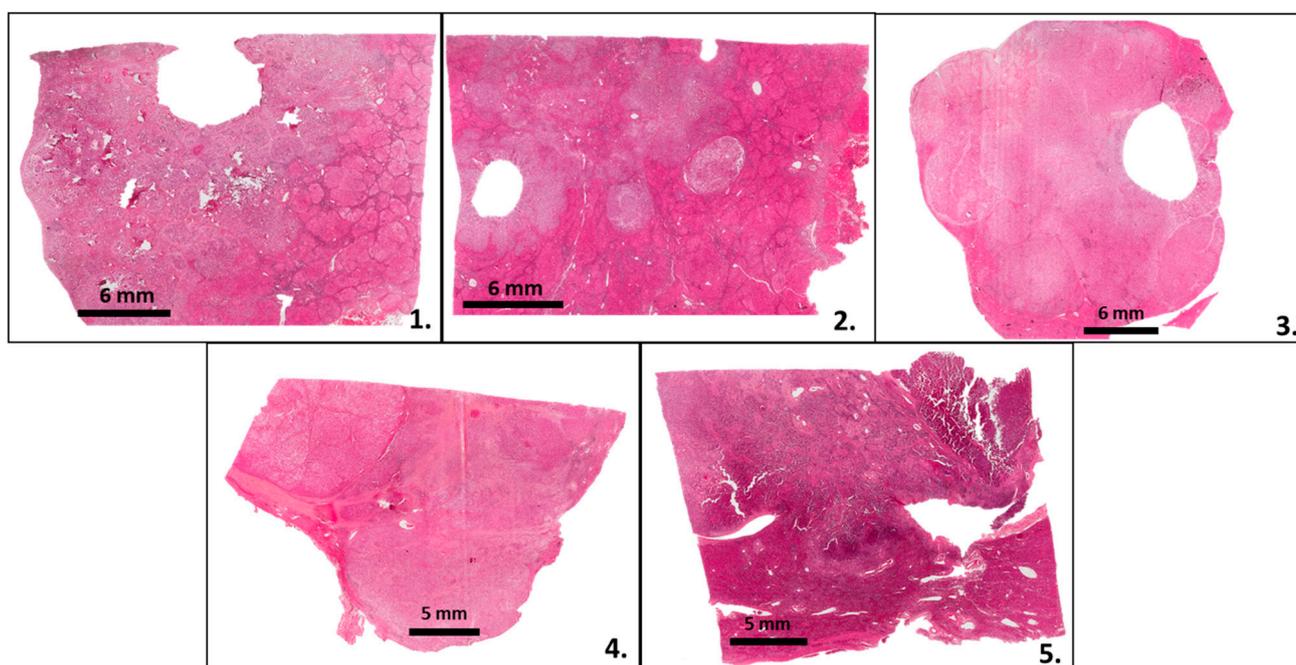


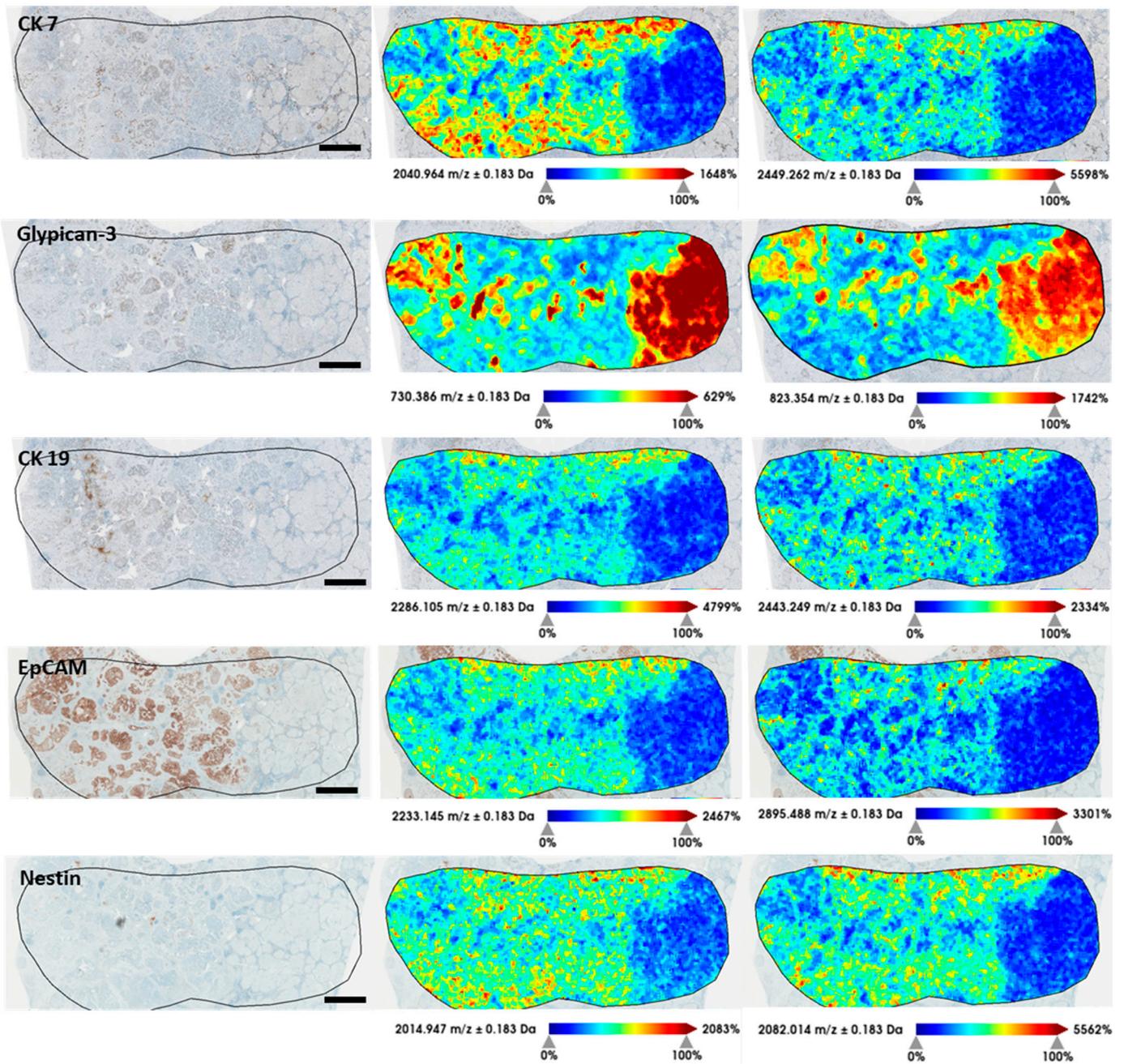
Supplementary materials

Supplementary Table S1: Immunohistochemistry list

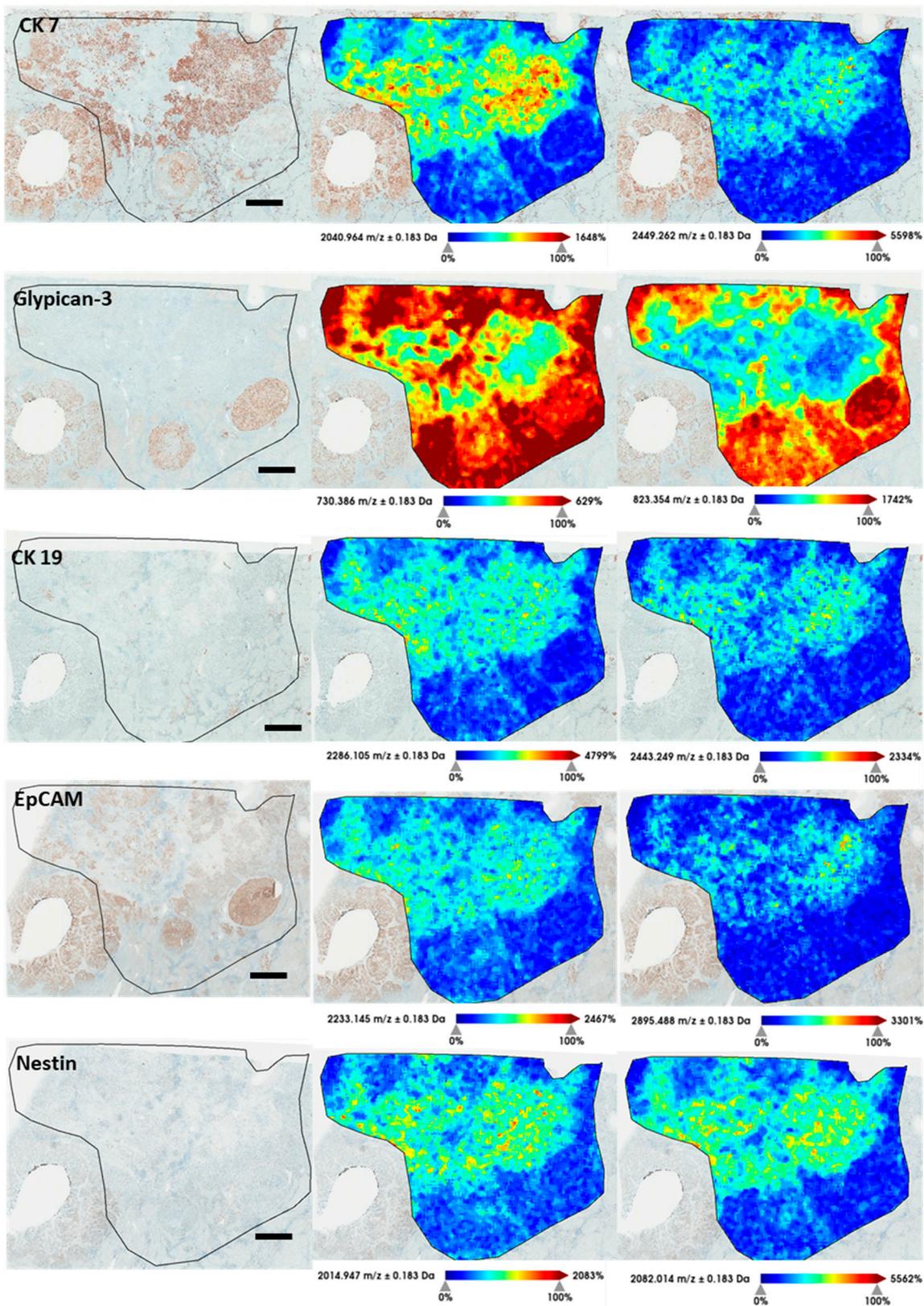
Anticorps anti-	Dilution	Clonality	Supplier	Reference
CK7	1/500	50V-TL 12/30	DAKO	M7018
CK19	1/200	RCK108	DAKO	M0888
Glypican-3	1/100	1G12	Zytomed	MSK067-05
EpCam Ber-EP4	1/50	Ber-EP4	DAKO	M0804
Nestin	1/500	10c2	Santa Cruz	sc-23927



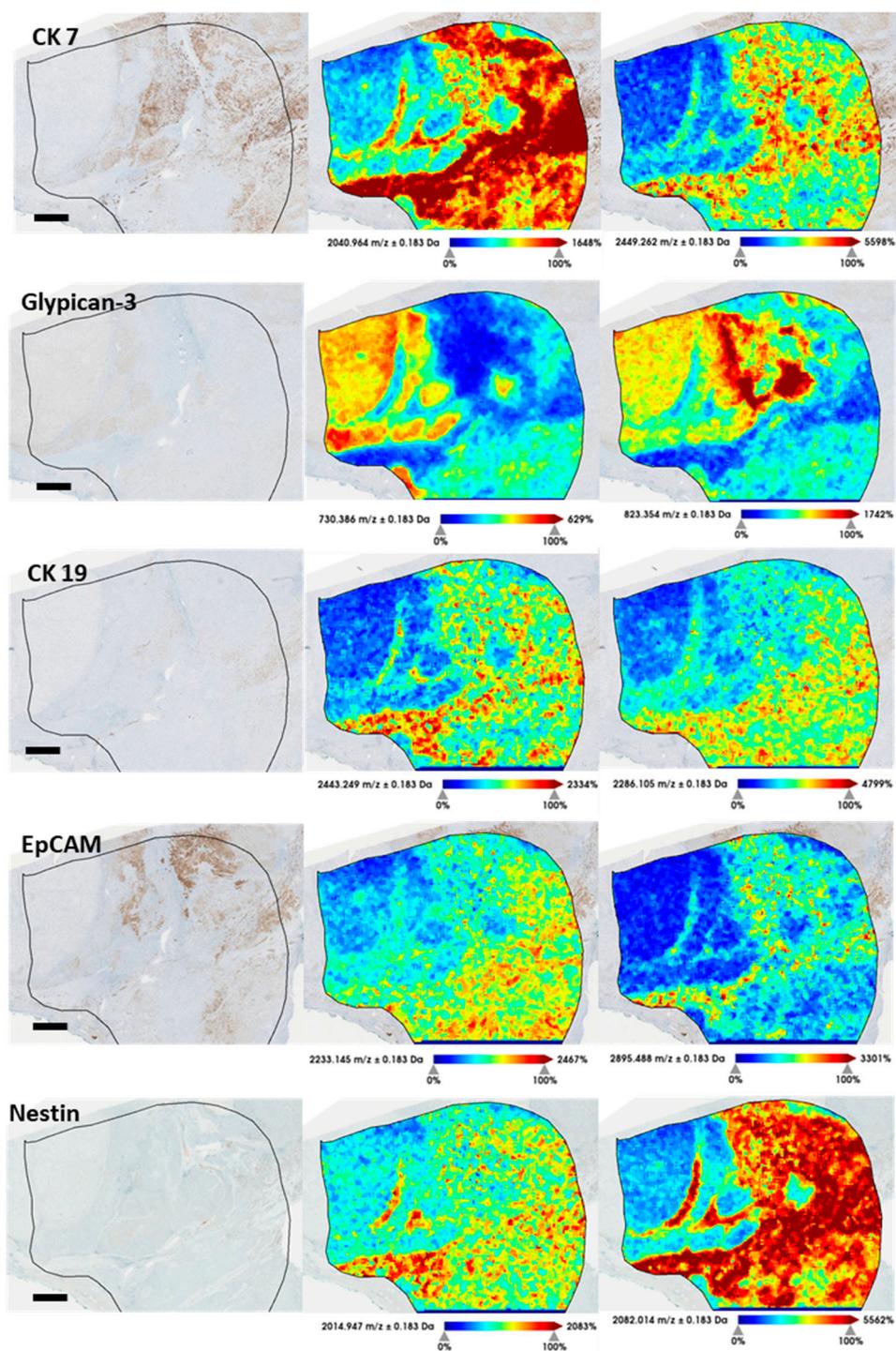
Supplementary Figure S1: Hematein Eosin Safran (HES) staining of the five cases.



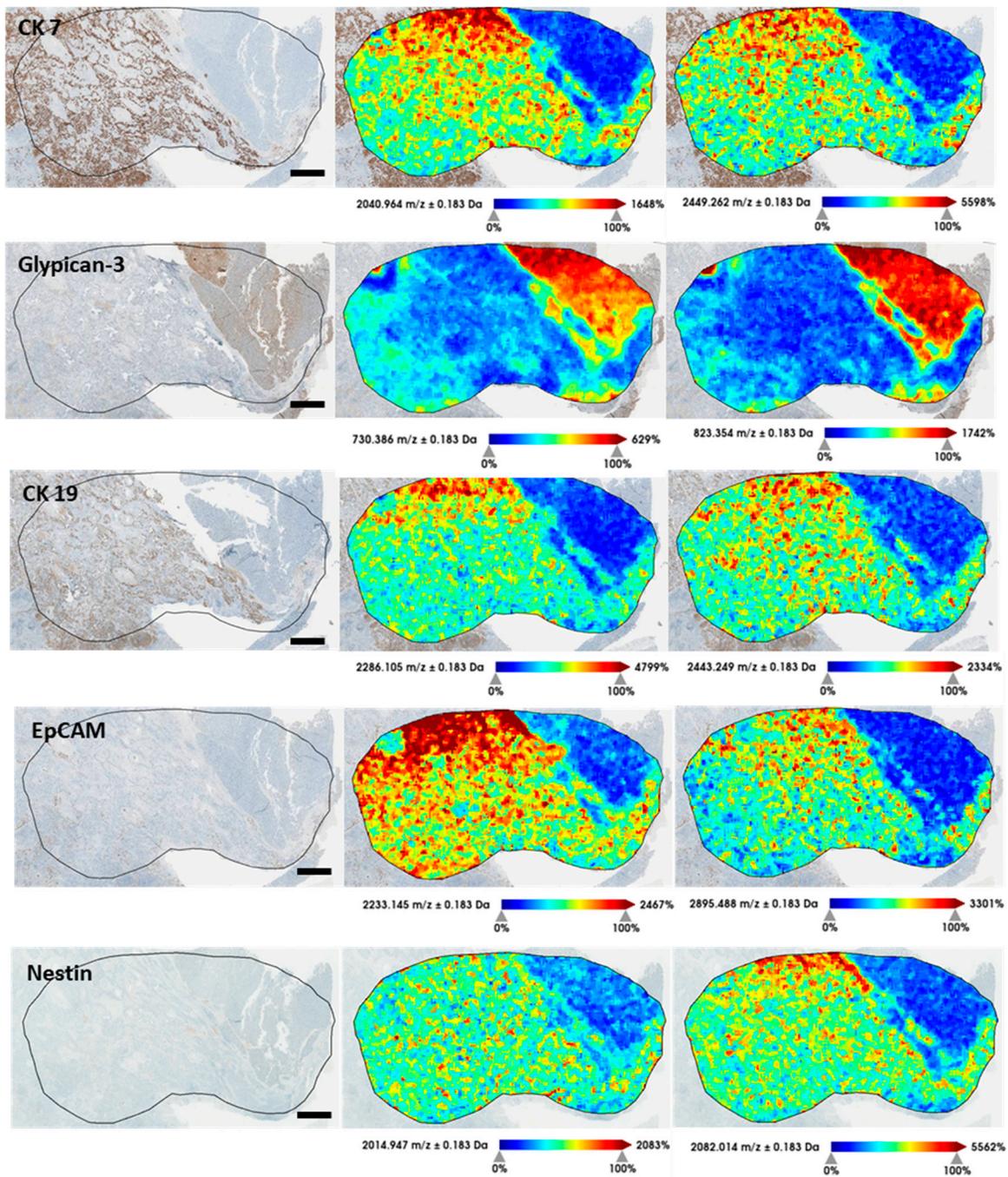
Supplementary Figure S2: Comparison of a selection of tryptic peptides derived from current IHC markers and the corresponding IHC for the patient 1. Scale bar = 3 mm.



Supplementary Figure S3: Comparison of a selection of tryptic peptides derived from current IHC markers and the corresponding IHC for the patient 2. Scale bar = 2 mm.



Supplementary Figure S4: Comparison of a selection of tryptic peptides derived from current IHC markers and the corresponding IHC for the patient 4. Scale bar = 2 mm.



Supplementary Figure S5: Comparison of a selection of tryptic peptides derived from current IHC markers and the corresponding IHC for the patient 5. Scale bar = 2 mm.

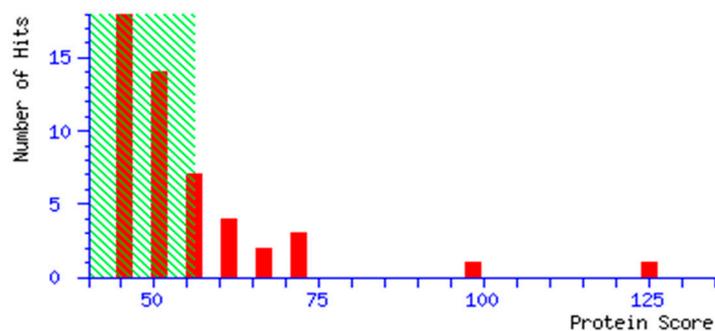
Supplementary Table S2: *in silico* digested peptides

	Sequences	theo m/z	exp m/z	delta
CK7	EVTINQSL LAPRLRDADPSLQR	2449,3409	2449,262	0,0789
	SIHFSSPVFTSRSAAFSGR	2041,025	2040,964	0,061
CK19	MTSYSYRQSSATSSFGGLGGGSVR	2443,1306	2443,249	-0,1184
	EVAGHTEQLQMSRSEVTDLR	2286,1142	2286,105	0,0092
EpCam	AKPEGALQNN DGLYDPDCDE SGLFKAK	2895,3465	2895,488	-0,1415

	TQNDVDIADVAYYFEKDVK	2233,0659	2233,145	-0,0791
Nestin	EGWDPAVLASEGLEAPPSEK	2082,0025	2082,014	-0,0115
	EEVMEPPLEESLEAKR	2014,9637	2014,947	0,0167
Glypican 3	YSQKAAR	823,4421	823,354	0,0881
	IWHFK	730,4035	730,386	0,0175

Mascot Score Histogram

Protein score is $-10 \cdot \log(P)$, where P is the probability that the observed match is a random event. Protein scores greater than 56 are significant ($p < 0.05$).



Supplementary Figure S6: Mascot Score Histogram. In the green area the proteins that were not reliably associated with the peptide list.