

**Additional Table 5 Comparisons of non-neoplastic ducts**

Protein	mean level (Dt)	mean level (D)	p-value
ADAM9	1.692	1.417	0.150
<b>PKB<math>\beta</math>-C</b>	<b>1.154</b>	<b>0.667</b>	<b>0.028</b>
PKB $\beta$ -N	0.083	0.000	0.164
p-PKB (S473)-C	0.846	0.917	0.303
p-PKB (S473)-N	1.154	1.083	0.349
p-PKB (T308)-C	1.182	1.000	0.154
p-PKB (T308)-N	1.727	1.750	0.466
p- $\beta$ CAT-C	2.385	2.667	0.167
p $\beta$ CAT-N	1.385	1.167	0.163
$\beta$ CAT -C	1.000	0.917	0.282
$\beta$ CAT-N	0.000	0.000	—
<b>EGFR</b>	<b>1.538</b>	<b>0.917</b>	<b>0.055</b>
p-GSK3 $\beta$ -C	2.154	2.000	0.298
<b>p-GSK3<math>\beta</math>-N</b>	<b>0.385</b>	<b>0.000</b>	<b>0.008</b>
MET	0.000	0.000	—
p-mTOR	1.846	1.667	0.157
p-NF $\kappa$ B-C	1.000	0.750	0.089
p-NF $\kappa$ B-N	2.583	2.083	0.116
p-JNK-C	0.333	0.333	0.500
p-JNK-N	1.583	1.583	0.500
p-ERK-C	1.000	0.750	0.122
<b>p-ERK-N</b>	<b>2.000</b>	<b>1.500</b>	<b>0.042</b>
p-p38-C	1.083	1.250	0.204
<b>p-p38-N</b>	<b>2.333</b>	<b>1.917</b>	<b>0.028</b>
<b>p-S6-C</b>	<b>1.231</b>	<b>1.667</b>	<b>0.030</b>
PTEN-C	1.000	1.083	0.383
PTEN-N	0.538	0.833	0.062
p-RAF-C	2.077	1.500	0.058
p-S6K-C	1.083	0.667	0.092
SMAD4-C	1.308	0.909	0.098
SMAD4-N	2.000	2.000	0.500
SRC-C	0.462	0.167	0.096
p-SRC-C	1.385	1.000	0.108
p-STAT (S727)-C	1.308	0.917	0.092
p-STAT (S727)-N	2.077	1.917	0.305
p-STAT (Y705)-C	1.385	1.333	0.400
p-STAT (Y705)-N	1.692	1.500	0.208

Mean protein levels of non-neoplastic duct epithelia in peritumoral regions (Dt) are compared to ducts from non-cancerous pancreas specimens (D) using Student's t-test. Protein levels are scored in the cytoplasmic (-C) and nuclear (-N) cellular compartments.