

**S2 Table. Conditions of immunofluorescent staining.**

<b>antibody</b>	<b>fixation</b>	<b>block</b>	<b>dilution</b>	<b>antibody diluent</b>
MUC2	4% PFA/H <sub>2</sub> O; 10min RT	PBS + 1% NGS	1:50	PBS
ZO-1	100% acetone; 1min -20°C	PBS + 1% NGS	1:50	PBS
phospho-HISTONE H3- PacificBlue® + β-TUBULIN- AlexaFluor® 647 or phospho-β-CATENIN	4% PFA/H <sub>2</sub> O; 15min RT	PBS + 1% BSA + 0.3% TX-100	1:50	PBS + 1% BSA + 0.3% TX-100

[BSA: bovine serum albumin; NGS: normal goat serum; PFA: paraformaldehyde; RT: room temperature; TX-100: Triton X-100]