**Supplementary information S1 (table) | Expression of Toll-like receptors in cell lines**

<table>
<thead>
<tr>
<th>Cell line</th>
<th>Cell type</th>
<th>TLR expression</th>
<th>TLR functionality shown</th>
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<tbody>
<tr>
<td><strong>Colon cancer cell lines</strong></td>
<td></td>
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<tr>
<td>HT-29</td>
<td>Human colorectal adenocarcinoma</td>
<td>TLR1: RNA&lt;sup&gt;1,2&lt;/sup&gt;, TLR2: RNA, protein&lt;sup&gt;1, 5&lt;/sup&gt;, TLR3: RNA, protein&lt;sup&gt;1, 5&lt;/sup&gt;, TLR4: RNA, protein&lt;sup&gt;1, 5&lt;/sup&gt;, TLR5: RNA, protein&lt;sup&gt;1, 5&lt;/sup&gt;, TLR6: RNA&lt;sup&gt;2&lt;/sup&gt;, TLR7: RNA, protein&lt;sup&gt;1, 5, 25, 27&lt;/sup&gt;, TLR8: DNA&lt;sup&gt;30&lt;/sup&gt;, TLR9: RNA, protein&lt;sup&gt;15-18&lt;/sup&gt;, TLR10: RNA&lt;sup&gt;31&lt;/sup&gt;</td>
<td>ND</td>
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<td>Caco-2</td>
<td>Human colorectal adenocarcinoma</td>
<td>TLR1: RNA&lt;sup&gt;1,2&lt;/sup&gt;, TLR2: RNA, protein&lt;sup&gt;1, 4, 6, 7, 21-23&lt;/sup&gt;, TLR3: RNA, protein&lt;sup&gt;1, 24, 25&lt;/sup&gt;, TLR4: RNA, protein&lt;sup&gt;1, 4, 6, 7, 21, 26, 26; NE&lt;/sup&gt;&lt;sup&gt;10, 22&lt;/sup&gt;, TLR5: RNA&lt;sup&gt;25&lt;/sup&gt;, TLR6: RNA&lt;sup&gt;2&lt;/sup&gt;, TLR7: RNA, protein&lt;sup&gt;15-18&lt;/sup&gt;, TLR8: RNA, protein&lt;sup&gt;15&lt;/sup&gt;</td>
<td>ND</td>
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<tr>
<td>SW-480</td>
<td>Human colorectal adenocarcinoma</td>
<td>TLR1: RNA, protein&lt;sup&gt;10&lt;/sup&gt;, TLR2: RNA, protein&lt;sup&gt;5, 28, 30&lt;/sup&gt;, TLR3: RNA, protein&lt;sup&gt;5, 30&lt;/sup&gt;, TLR4: RNA, protein&lt;sup&gt;5, 28, 30&lt;/sup&gt;, TLR5: RNA&lt;sup&gt;25&lt;/sup&gt;, TLR6: protein&lt;sup&gt;24, 30&lt;/sup&gt;, TLR7–10: RNA, protein&lt;sup&gt;30&lt;/sup&gt;</td>
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<tr>
<td>Colo-205</td>
<td>Human colorectal adenocarcinoma</td>
<td>TLR1: RNA&lt;sup&gt;30&lt;/sup&gt;, TLR2: RNA, protein&lt;sup&gt;5, 30&lt;/sup&gt;, TLR3: RNA&lt;sup&gt;5, 30&lt;/sup&gt;, TLR4: RNA, protein&lt;sup&gt;5, 8, 30&lt;/sup&gt;, TLR5: RNA&lt;sup&gt;5, 30&lt;/sup&gt;, TLR6: RNA&lt;sup&gt;23, 30&lt;/sup&gt;</td>
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<td>T84</td>
<td>Human colorectal carcinoma</td>
<td>TLR1: RNA&lt;sup&gt;2&lt;/sup&gt;, TLR2: RNA, protein&lt;sup&gt;2, 5, 7, 30, 31&lt;/sup&gt;, TLR3: RNA&lt;sup&gt;5, 7&lt;/sup&gt;, TLR4: RNA, protein&lt;sup&gt;2, 5, 7, 9, 30-33&lt;/sup&gt;, TLR5: protein&lt;sup&gt;3, 34&lt;/sup&gt;, TLR6: RNA&lt;sup&gt;2&lt;/sup&gt;, TLR9: RNA&lt;sup&gt;15&lt;/sup&gt;</td>
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<td>HCT116</td>
<td>Human colorectal cancer</td>
<td>TLR3: RNA, protein&lt;sup&gt;24&lt;/sup&gt;, TLR4: RNA, protein&lt;sup&gt;4&lt;/sup&gt;, TLR5: ND</td>
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<td>LoVo</td>
<td>Human colorectal adenocarcinoma</td>
<td>TLR2: RNA&lt;sup&gt;25, 36&lt;/sup&gt;, TLR3: RNA&lt;sup&gt;25&lt;/sup&gt;, TLR4: NE&lt;sup&gt;36&lt;/sup&gt;, TLR5, TLR6, TLR8, TLR9: RNA&lt;sup&gt;25&lt;/sup&gt;</td>
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<td>DLD-1</td>
<td>Human colorectal adenocarcinoma</td>
<td>TLR2: RNA&lt;sup&gt;36&lt;/sup&gt;, TLR4: NE&lt;sup&gt;36&lt;/sup&gt;, TLR9: RNA&lt;sup&gt;17&lt;/sup&gt;</td>
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<td>HCA-7</td>
<td>Human colonic adenocarcinoma</td>
<td>TLR2: RNA&lt;sup&gt;25&lt;/sup&gt;, TLR3: RNA&lt;sup&gt;25&lt;/sup&gt;, TLR5: RNA&lt;sup&gt;25, 29&lt;/sup&gt;, TLR7: ND, TLR8: RNA&lt;sup&gt;25&lt;/sup&gt;, TLR9: RNA&lt;sup&gt;25&lt;/sup&gt;, protein&lt;sup&gt;27&lt;/sup&gt;</td>
<td>Yes&lt;sup&gt;27&lt;/sup&gt;</td>
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*In format provided by Abreu (FEBRUARY 2010)*
### SUPPLEMENTARY INFORMATION

<table>
<thead>
<tr>
<th>Cell Line</th>
<th>Normal Tissue</th>
<th>TLR Protein Expressed</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>Ls174T</td>
<td>Human colorectal adenocarcinoma</td>
<td>TLR2: RNA&lt;sup&gt;37&lt;/sup&gt;</td>
<td>Yes&lt;sup&gt;37&lt;/sup&gt;</td>
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<tr>
<td>CT26</td>
<td>Mouse colon carcinoma</td>
<td>TLR4: protein&lt;sup&gt;38&lt;/sup&gt;</td>
<td>Yes&lt;sup&gt;38&lt;/sup&gt;</td>
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<td>CMT93</td>
<td>Mouse rectal polypoid carcinoma</td>
<td>TLR4: RNA&lt;sup&gt;39&lt;/sup&gt;</td>
<td>Yes&lt;sup&gt;40&lt;/sup&gt;</td>
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### Normal cell lines

<table>
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<tr>
<th>Cell Line</th>
<th>Normal Tissue</th>
<th>TLR Protein Expressed</th>
<th>Remarks</th>
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<tr>
<td>NCM460</td>
<td>Normal human colon mucosal epithelium</td>
<td>TLR5: RNA&lt;sup&gt;41&lt;/sup&gt;, protein&lt;sup&gt;42&lt;/sup&gt;</td>
<td>Yes&lt;sup&gt;41, 42&lt;/sup&gt;</td>
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<td>H4 cells</td>
<td>Normal human fetal small intestine</td>
<td>TLR2, TLR4: protein&lt;sup&gt;43&lt;/sup&gt;</td>
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<td>HIEC</td>
<td>Human fetal small intestinal crypt cells</td>
<td>TLR2: RNA, protein&lt;sup&gt;8&lt;/sup&gt; TLR4: RNA, protein&lt;sup&gt;8&lt;/sup&gt;</td>
<td>ND Yes&lt;sup&gt;8&lt;/sup&gt;</td>
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<tr>
<td>Mode-K</td>
<td>Mouse intestinal epithelial cell line</td>
<td>TLR2: RNA&lt;sup&gt;44&lt;/sup&gt;, protein&lt;sup&gt;45&lt;/sup&gt; TLR4, TLR9, TLR11: RNA&lt;sup&gt;44&lt;/sup&gt;</td>
<td>Yes&lt;sup&gt;45&lt;/sup&gt; ND</td>
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<tr>
<td>m-IC cl2</td>
<td>Mouse intestinal epithelial cell line</td>
<td>TLR2: RNA&lt;sup&gt;46&lt;/sup&gt;, 47 TLR4: RNA, protein&lt;sup&gt;46-48&lt;/sup&gt; TLR5: RNA&lt;sup&gt;47&lt;/sup&gt;</td>
<td>Yes&lt;sup&gt;46-47&lt;/sup&gt; Yes&lt;sup&gt;46-47&lt;/sup&gt; Yes&lt;sup&gt;46-47&lt;/sup&gt;</td>
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<td>YAMC</td>
<td>Young adult mouse colon</td>
<td>TLR2: RNA&lt;sup&gt;49&lt;/sup&gt; TLR4: RNA&lt;sup&gt;49&lt;/sup&gt;</td>
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<td>STC-1</td>
<td>Mouse intestinal enteroendocrine cell line</td>
<td>TLR1: RNA&lt;sup&gt;50&lt;/sup&gt; TLR2: RNA, protein&lt;sup&gt;50&lt;/sup&gt; TLR4: RNA, protein&lt;sup&gt;50, 51&lt;/sup&gt; TLR5: RNA, protein&lt;sup&gt;51&lt;/sup&gt; TLR6: RNA, protein&lt;sup&gt;50&lt;/sup&gt; TLR9: RNA, protein&lt;sup&gt;51&lt;/sup&gt;</td>
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NA, not applicable; ND, not determined; NE, not expressed.

12. Tallant, T. et al. Flagellin acting via TLR5 is the major activator of key signaling pathways leading to NF-kappa...


42. Rhee, S.H., Kim, H., Moyer, M.P. & Pothoulakis, C. Role of MyD88 in phosphatidylinositol 3-kinase activation by


