

**TABLE S2: Statistical P-values (t-test) for the differences in binding of aptamer P12-31 to *E. coli* vs. different bacterial species.**

<b>Bacteria</b>	<b>P-value</b>
<i>K. Pneumoniae</i>	0.0014
<i>E. cloacae</i>	0.0018
<i>E. aerogenes</i>	0.0014
<i>P. mirabilis</i>	0.0018
<i>P. vulgaris</i>	0.0017
<i>M. morgani</i>	0.0019
<i>C. freundii</i>	0.0021
<i>P. aeruginosa</i>	0.0017
<i>A. baumannii</i>	0.0014
<i>S. aureus</i>	0.0017
<i>E. faecalis</i>	0.0015
<i>E. faecium</i>	0.0014