**Table S5. Comparison of band assignments of significant (*P* < 0.05) spectral variations of *C. jejuni* treated with lactic acid and hydrochloric acid.**

|  |  |
| --- | --- |
| *C. jejuni* treated with lactic acid | *C. jejuni* treated with hydrochloric acid |
| FT-IR | Raman | FT-IR |
| Wavenumber (cm-1) | Assignment a | Wavenumber (cm-1) | Assignment | Wavenumber (cm-1) | Assignment |
| 929 | left-hand helix DNA | 898 | C-O-C of mono/di-saccharides | 985 | OCH3 of polysaccharides |
| 985 | OCH3 of polysaccharides | 1008 | ring of polysaccharides | 1078 | C-OH str of oligosaccharides |
| 1078 | C-OH str of oligosaccharide | 1241 | phosphodiester of nucleic acids | 1545 | amide II |
| 1396 | sym CH3 bend of proteins | 1420 | deoxyriboses | 1635 | *β* sheet structure of amide I |
| 1444 | *δ*(CH2) lipids and fatty acids | 1745 | *υ*(C=O) of phospholipids | 1655 | amide I of proteins (*α*-helix) |
| 1465 | CH2 scissoring mode of lipids | 1778 | *unassigned* |   |  |
| 1655 | amide I of proteins (*α*-helix) |   |   |   |   |

a sym=symmetric; str=stretching.