

TABLE S5. Additional genes/DNA sequences present in the GU strains relative to 35000HP.

| Size (kb) | Homology | Identity (%) | Strains | | | | | | |
|-----------|---|--------------|---------|-------|-------|-------|-------|-------|--------|
| | | | 6644 | HD183 | HMC46 | HMC56 | 33921 | DMC64 | DMC111 |
| 5 | <i>Escherichia fergusonii</i> ATCC 35469 plasmid pEFER | 99 | + | + | + | + | + | + | + |
| 26 | GI-like type IV secretion system of <i>Haemophilus parainfluenzae</i> T3T1 | 97 | + | - | - | - | - | - | - |
| 2 | Mercuric oxidase and mercuric resistance operon regulatory protein of <i>Streptococcus agalactiae</i> | 99 | + | - | - | - | - | - | - |
| 2.6 | Two hypothetical proteins in <i>E. coli</i> O104:H4 str. C227-11 | 99-100 | - | + | - | - | + | - | + |
| 1.3 | <i>Yersinia ruckeri</i> YR71 plasmid pYR1 | 100 | - | + | - | - | + | + | + |
| 1.3 | <i>Corynebacterium aurimucosum</i> transposase | 94-96 | - | + | - | - | - | - | - |
| 7 | <i>Acidaminococcus intestini</i> RyC-MR95 | 100 | - | - | + | - | - | - | - |

+Present

-Absent