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|  **Supplementary Table 2. Gene Accession Numbers/Versions for the Proteins Analyzed in This Study**  |
| **Bacterial and Protein Species Name** | **Gene Accession No.** | **Version**  |
| XH001 LsrB | KSW13249 | KSW13249.1 |
| *Escherichia coli* MG1655 LsrB | WP\_000172465 | WP\_000172465.1 |
| *Salmonella enterica serovar Typhimurium* ATCC 14028 LsrB | WP\_000090737 | WP\_000090737.1 |
| *Aggregatibacter actinomycetecommitans* HK1651 LsrB | AHN72389 | AHN72389.1  |
| *Bacillus anthracis* Strain Sterne | AJH47018 | AJH47018.1 |
| *Vibrio* *harveyi* LuxP | WP\_012129029 | WP\_012129029.1 |
| *Escherichia coli* MG1655 RbsB | WP\_001056271 | WP\_001056271.1 |
| *Salmonella enterica serovar Typhimurium* ATCC 14028 RbsB | WP\_001056260 | WP\_001056260.1 |
| *Aggregatibacter actinomycetecommitans* HK1651 RbsB | WP\_005567919 | WP\_005567919.1 |
| XH001 LuxS | WP\_060566748 | WP\_060566748.1 |
| *Escherichia coli* MG1655 LuxS | WP\_001130211 | WP\_001130211.1 |
| *Salmonella enterica serovar Typhimurium* ATCC 14028LuxS | WP\_001130194 | WP\_001130194.1 |
| *Aggregatibacter actinomycetecommitans* HK1651LuxS | WP\_005548120 | WP\_005548120.1 |
| *Streptococcus mutans* UA159 LuxS | WP\_002263047 | WP\_002263047.1 |