**Table S2.** *H. pylori* strains used in this study.

|  |  |  |
| --- | --- | --- |
| Strain | Characteristics*a* | Source or reference |
| *H. pylori* 26695 | Wild-type strain | ATCC |
| EM202k | *∆guaA::aphA3,* Kanr | This study |
| EM203k | *∆guaB::aphA3,* Kanr | This study |
| EM204 | *∆guaC::aphA3,* Kanr | This study |
| EM205 | *∆purA::aphA3,* Kanr | This study |
| EM206 | *∆purB::aphA3,* Kanr | This study |
| EM207 | *∆nupC:aphA3,* Kanr | This study |
| *H. pylori* X47 | Mouse-adapted wild-type strain | [[22](#_ENREF_22)] |
| EMX02k | *∆guaA::aphA3,* Kanr | This study |