Table S1. Demographics of healthy people donating gastric juices

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| --- | --- | --- | --- | --- | --- |
| **Sample ID** | **Gender** | **Age（Years）** | **Alcohol History** | **Cigarettes**  **History** | **Hpa**  **(%)** |
| HC\_1 | Female | 41 | NO | NO | 0.02% |
| HC\_2 | Female | 62 | NO | NO | 0.00% |
| HC\_3 | Female | 41 | NO | NO | 0.01% |
| HC\_4 | Male | 20 | NO | NO | 0.00% |
| HC\_5 | Male | 28 | NO | NO | 0.00% |
| HC\_6 | Female | 49 | YES | YES | 0.03% |
| HC\_7 | Female | 44 | NO | NO | 0.01% |
| HC\_8 | Female | 42 | NO | NO | 0.00% |
| HC\_9 | Female | 26 | NO | NO | 0.03% |
| HC\_10 | Female | 38 | YES | YES | 0.01% |
| HC\_11 | Female | 51 | NO | NO | 0.00% |
| HC\_12 | Male | 39 | YES | NO | 0.00% |
| HC\_13 | Male | 45 | NO | NO | 0.00% |
| HC\_14 | Female | 50 | NO | NO | 0.04% |
| HC\_15 | Male | 62 | NO | NO | 15.90% |
| HC\_16 | Female | 59 | NO | NO | 0.01% |
| HC\_17 | Female | 35 | YES | YES | 0.00% |
| HC\_18 | Female | 60 | NO | NO | 0.00% |
| HC\_19 | Male | 24 | NO | NO | 0.00% |
| HC\_20 | Male | 37 | YES | NO | 0.00% |
| HC\_21 | Male | 45 | YES | YES | 0.01% |
| HC\_22 | Male | 53 | NO | NO | 0.00% |
| HC\_23 | Female | 40 | NO | YES | 0.00% |
| HC\_24 | Female | 45 | NO | NO | 0.00% |
| HC\_25 | Female | 24 | NO | NO | 0.00% |
| HC\_26 | Female | 45 | NO | NO | 0.01% |
| HC\_27 | Female | 41 | NO | NO | 0.01% |
| HC\_28 | Female | 35 | NO | NO | 11.17% |

a: *Helicobacter pylori* (Hp) frequencies of gastric juice microbiota determined by 16S rRNA gene high-throughput sequencing.