

Table S1. The overall properties of 18 *H. pylori* genomes.

Sample	Accession number	N50	Contigs	Max contig	Total length	GC content
1	JCKE000000000	82711	53	226553	1633694	38.67%
2	JCKD000000000	94929	48	215971	1622969	38.70%
3	AUPD000000000	135483	91	700630	1653877	38.68%
4	JDVV000000000	59417	56	127180	1613161	38.76%
5	JDVU000000000	123011	38	381072	1567665	38.76%
6	JDVT000000000	31815	87	94230	1537021	38.79%
7	JDVS000000000	20808	227	51531	1637903	38.82%
8	JDVR000000000	61935	59	309855	1620239	38.67%
9	JDVQ000000000	116442	51	222163	1631592	38.63%
10	JDVP000000000	118253	45	232500	1634549	38.65%
11	JDVO000000000	116953	36	201992	1571809	38.77%
12	AUPY000000000	169199	65	353098	1582646	38.78%
13	JDVN000000000	143344	25	333917	1573989	38.80%
14	JDVM000000000	55354	49	152072	1568848	38.80%
15	JDVL000000000	80649	46	185920	1611095	38.70%
16	JDVK000000000	20043	119	64518	1602856	38.86%
17	JDVJ000000000	90572	35	237547	1564257	38.83%
18	JDVI000000000	64195	42	286495	1626620	38.68%