

S2 Table: Results of the DaisyGPS run for the *H. pylori* data set with yara, no species filter and no samflag filter. Sampling sensitivity = 90. No taxon blacklist. No parent blacklist. No species blacklist. (-)0.000* represents absolute values < 0.0004. The true positive acceptor and donor are marked in bold. ¹Salmonella enterica subsp. enterica serovar Anatum str. USDA-ARS-USMARC-1676

Type	Candidate		MicrobeGPS metrics			DaisyGPS metrics	
	Name	Accession.Version	Number Reads	Validity	Heterogeneity	Donor Score	Acceptor Score
Acceptor	Escherichia coli str. K-12 substr. DH10B	NC.010473.1	197800	0.254	0.082	0.173	0.003
Acceptor	Escherichia coli K-12	NZ_CP010445.1	187050	0.237	0.075	0.162	0.003
Donor	[Haemophilus] ducreyi	NZ_CP015434.1	322	0.001	0.926	-0.924	-0.000*
Donor	Salmonella enterica [...] USDA-ARS-USMARC-1676 ¹	NZ_CP014620.1	126	0.001	0.919	-0.918	-0.000*
Donor	Klebsiella oxytoca KONIH1	NZ_CP008788.1	1791	0.001	0.795	-0.794	-0.000*
Donor	Helicobacter pylori	NZ.AP014710.1	9154	0.018	0.79	-0.782	-0.001
Acceptor-like Donor	Escherichia coli	NZ_CP016182.1	74580	0.094	0.088	0.006	0.000*