Patients with Chronic Obstructive Pulmonary Disease harbour a variation of *Haemophilus* species.

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Supplementary table 1. Accession numbers for GenBank reference sequences used for mapping.

Gene	Genbank Accession
omp2	CP000057.2 (216249…217846)
omp6	M19391
fucK	CP009610.1 (287354..288766)
fucP	CP000057.2 (823471…824757)
hpd (*glpQ*)	CP002277.1 (1826771…1827865)
iga	M87492 (4124…4978)
lgtC	CP002277.1 (315813…316835)
smpB	NC_000907.1 (1038488…1038973)
sodC	AFQQ01000001.1 (155446…156018)

Supplementary table 2. URLs to access Microreact phylogeny and metadata

Phylogeny	Microreact URL
omp6	https://microreact.org/project/BkT-nmKsM
hpd (*glpQ*)	https://microreact.org/project/SkerJeLrZ
smpB	https://microreact.org/project/HJtpSwaGW
core genome	https://microreact.org/project/SJS9PP7LW