

Supplementary materials for the article:

Chen H. et al. Oral microbiota, a potential determinant for the treatment efficacy of gastric

Helicobacter pylori eradication in humans.

Pol J Microbiol. 2022, Vol. 71, No. 2, 227–239

Table SI

Clinical characteristics of the sixteen volunteers.

Characteristic	SE (n = 7)	FE (n = 9)
Male/Female	3/4	3/6
Age (years)	52.4 ± 14.7	51.7 ± 11.7
DOB value	0.13 ± 1.23*	21.6 ± 23.6

SE – patients with successful eradication therapy

FE – patients with failed eradication therapy

* – $p < 0.05$

Table SII

General information for the 16s rRNA gene sequencing.

	Optimized sequence	Sequence bases
SE group	66,897 ± 6,449*	28,327,070 ± 2,694,126*
FE group	58,102 ± 6,281	24,526,063 ± 2,659,840

SE – patients with successful eradication therapy

FE – patients with failed eradication therapy

* – $p < 0.05$

Table SIII
 Represented bacteria taxa information (genus, species, and phylum) of these OTUs from Venn analysis.

ID	SE1	SE2	SE3	SE4	SE5	SE6	SE7	FE1	FE2	FE3	FE4	FE5	FE6	FE7	FE8	FE9	Phylum	Genus	Species
OTU439	0	0	0	0	0	0	4E-05	0	0	0	0	0	0	0	0	0	Euryarchaeota	Methanomethylovorans	uncultured Methanomethylovorans sp.
OTU382	0	0	0	0	1,3882E-05	0	0	0	0	0	0	0	0	0	0	0	Bacteroidetes	norank	
OTU352	0	0	0	2E-04	5,5528E-05	0	0	0	0	0	0	0	0	0	0	0	Bacteroidetes	Prevotella 7	uncultured bacterium
OTU396	3E-05	0	0	0	0	0	1E-04	0	0	0	0	0	0	0	0	0	Bacteroidetes	Prevotella 7	uncultured bacterium
OTU442	0	0	0	0	4,1646E-05	0	0	0	0	0	0	0	0	0	0	0	Bacteroidetes	Prevotella 7	uncultured bacterium
OTU332	2E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bacteroidetes	Prevotella 9	uncultured bacterium
OTU395	4E-05	0	0	2E-05	0	0	0	0	0	0	0	0	0	0	0	0	Bacteroidetes	Prevotellaceae Ga6A1 group	uncultured bacterium
OTU448	3E-05	0	0	2E-05	0	0	0	0	0	0	0	0	0	0	0	0	Bacteroidetes	norank	uncultured bacterium
OTU457	3E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bacteroidetes	norank	uncultured bacterium
OTU423	0	4,5789E-05	0	0	0	0	1E-05	0	0	0	0	0	0	0	0	0	Bacteroidetes	Sediminibacterium	uncultured bacterium
OTU443	0	0	0	0	0	0	1E-05	0	0	0	0	0	0	0	0	0	Cyanobacteria	norank	uncultured bacterium
OTU318	1E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Actinobacteria	Cellulosimicrobium	Cellulosimicrobium cellulans
OTU405	0	0	0	0	1,3882E-05	1,803E-05	0	0	0	0	0	0	0	0	0	0	Actinobacteria	Actinomyces	uncultured bacterium
OTU363	3E-05	0	1E-04	0	0	0	4E-05	0	0	0	0	0	0	0	0	0	Actinobacteria	Alloscardovia	Alloscardovia omnicoles
OTU379	1E-04	0	0	0	0	0	1E-05	0	0	0	0	0	0	0	0	0	Actinobacteria	Bifidobacterium	Bifidobacterium longum subsp. longum
OTU455	0	0	0	0	0	0	1E-05	0	0	0	0	0	0	0	0	0	Actinobacteria	Nesterenkonia	
OTU451	3E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Actinobacteria	Olsenella	
OTU434	3E-05	1,5263E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Proteobacteria	Enhydrobacter	
OTU422	0	0	0	0	0	0	4E-05	0	0	0	0	0	0	0	0	0	Proteobacteria	Reyranela	
OTU447	0	0	0	0	0	0	4E-05	0	0	0	0	0	0	0	0	0	Proteobacteria	alphaI cluster	uncultured bacterium
OTU409	0	6,1052E-05	0	0	0	0	1E-05	0	0	0	0	0	0	0	0	0	Proteobacteria		
OTU346	0	0	0	3E-04	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	Megasphaera	uncultured bacterium
OTU401	1E-05	3,0526E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	Bacillus	
OTU413	1E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	Bacillus	Bacillus thuringiensis serovar kurstaki str. YBT-1520
OTU271	2E-04	0	0	2E-05	0	0	6E-04	0	0	0	0	0	0	0	0	0	Firmicutes	Lactobacillus	
OTU453	0	0	0	0	0	0	3E-05	0	0	0	0	0	0	0	0	0	Firmicutes	Finegoldia	uncultured bacterium
OTU438	0	4,5789E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	Lachnospiraceae NK4A136 group	uncultured bacterium
OTU441	0	0	0	0	0	0	4E-05	0	0	0	0	0	0	0	0	0	Firmicutes	Faecalibacterium	uncultured bacterium
OTU449	1E-05	1,5263E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	[Eubacterium] coprostanoligenes group	uncultured bacterium
OTU314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Spirochaetes	Treponema 2	Treponema genomsp. P4 oral clone MB2_G19
OTU339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Spirochaetes	Treponema 2	uncultured bacterium
OTU369	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Spirochaetes	Treponema 2	uncultured Treponema sp.
OTU394	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Spirochaetes	Treponema 2	
OTU406	0	0	0	0	0	0	0	0	0	4E-05	0	3E-05	0	0	0	0	Spirochaetes	Treponema 2	Treponema parvum
OTU373	0	0	0	0	0	0	0	2E-05	0	2E-05	0	0	0	0	0	0	Patescibacteria	norank	
OTU295	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Epsilonbacteraeota	norank	uncultured bacterium

ID	SE1	SE2	SE3	SE4	SE5	SE6	SE7	FE1	FE2	FE3	FE4	FE5	FE6	FE7	FE8	FE9	Phylum	Genus	Species
OTU435	0	0	0	0	0	0	0	0	0	0	0	0	0	4E-05	0	4E-05	Patescibacteria	norank	uncultured bacterium
OTU320	0	0	0	0	0	0	0	0	0	4E-05	4E-05	0	0	0	0	0	Patescibacteria	Candidatus Saccharimonas	uncultured bacterium
OTU196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bacteroidetes	norank	uncultured bacterium
OTU452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bacteroidetes	Odoribacter	
OTU321	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8E-05	Bacteroidetes	Porphyromonas	Porphyromonas uenonis
OTU398	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bacteroidetes	Phocaeicola	Phocaeicola abscessus
OTU432	0	0	0	0	0	0	0	0	0	6E-05	0	0	0	0	0	0	Bacteroidetes	Bacteroides	Prevotella heparinolytica
OTU370	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bacteroidetes	Prevotella	
OTU371	0	0	0	0	0	0	0	0	0	0	0	0	0	7E-05	0	0	Bacteroidetes	Prevotella 7	uncultured bacterium
OTU418	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1E-04	Bacteroidetes	Prevotella 2	uncultured Prevotella sp.
OTU263	0	0	0	0	0	0	0	9E-05	0	0	0	2E-05	0	0	0	0	Bacteroidetes	Prevotella	uncultured bacterium
OTU306	0	0	0	0	0	0	0	0	0	4E-05	0	0	0	0	0	0	Bacteroidetes	norank	uncultured bacterium
OTU174	0	0	0	0	0	0	0	2E-05	0	6E-05	9E-05	0	0	0	0	7E-04	Bacteroidetes	Bergeyella	uncultured bacterium
OTU458	0	0	0	0	0	0	0	0	0	2E-05	0	0	0	0	0	0	Patescibacteria	norank	SR1 bacterium human oral taxon HOT-345
OTU425	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Actinobacteria	Actinomyces	Actinomyces weissii
OTU359	0	0	0	0	0	0	0	0	0	2E-05	2E-05	1E-04	0	0	0	0	Actinobacteria	Corynebacterium	uncultured bacterium
OTU276	0	0	0	0	0	0	0	3E-04	0	0	0	0	0	0	0	0	Fusobacteria	Leptotrichia	uncultured bacterium
OTU267	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Proteobacteria		
OTU400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Proteobacteria	uncultured	uncultured rumen bacterium
OTU312	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Proteobacteria	Simonsiella	Simonsiella muelleri ATCC 29453
OTU250	0	0	0	0	0	0	0	0	0	0	5E-04	0	0	0	0	0	Proteobacteria		
OTU187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Proteobacteria	Pseudomonas	
OTU428	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Proteobacteria	Cobetia	Cobetia marina
OTU278	0	0	0	0	0	0	0	0	0	0	9E-04	0	0	0	0	0	Proteobacteria	Moraxella	uncultured bacterium
OTU245	0	0	0	0	0	0	0	0	0	1E-04	0	0	0	0	0	0	Proteobacteria	Cardiobacterium	uncultured bacterium
OTU408	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Proteobacteria	norank	uncultured bacterium
OTU433	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Proteobacteria	norank	
OTU436	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Proteobacteria	Mesorhizobium	
OTU399	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Proteobacteria	Nitratireductor	
OTU403	0	0	0	0	0	0	0	0	0	0	0	1E-04	0	0	0	0	Firmicutes	Christensenellaceae R-7 group	
OTU392	0	0	0	0	0	0	0	0	0	0	0	2E-05	0	0	0	0	Firmicutes	Dialister	uncultured organism
OTU388	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	Selenomonas	uncultured bacterium
OTU416	0	0	0	0	0	0	0	0	0	0	0	0	0	2E-05	0	8E-05	Firmicutes	Solobacterium	uncultured bacterium
OTU372	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	Erysipelotrichaceae UCG-004	uncultured bacterium
OTU317	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	Ezakiella	
OTU254	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	Peptoniphilus	
OTU389	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	Murdochiella	uncultured bacterium
OTU171	0	0	0	0	0	0	0	0	0	0	0	3E-04	0	4E-04	0	0	Firmicutes	[Eubacterium] saphenum group	Eubacterium saphenum ATCC 49989
OTU374	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	Anaerovorax	uncultured bacterium

ID	SE1	SE2	SE3	SE4	SE5	SE6	SE7	FE1	FE2	FE3	FE4	FE5	FE6	FE7	FE8	FE9	Phylum	Genus	Species
OTU446	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	Syntrophomonas	Syntrophomonas palmitatica
OTU366	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Proteobacteria	Desulfomicrobium	Desulfomicrobium orale
OTU357	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Proteobacteria	Desulfovibrio	uncultured bacterium
OTU424	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Proteobacteria	Desulfovibrio	
OTU353	0	0	0	0	0	0	0	0	0	1E-04	0	0	0	0	0	0	Tenericutes	Acholeplasma	uncultured bacterium
OTU386	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Tenericutes	Mycoplasma	Mycoplasma lipophilum
OTU281	0	0	0	0	0	0	0	6E-05	0	0	0	0	0	0	0	0	Firmicutes	norank	uncultured bacterium
OTU450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Patescibacteria	norank	uncultured bacterium
OTU358	0	0	0	0	0	0	0	2E-05	0	0	4E-05	5E-05	0	0	0	0	Firmicutes	Lachnospiraceae NK3A20 group	
OTU454	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4E-05	Firmicutes	Ruminococcaceae UCG-014	uncultured organism
OTU241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	Ruminococcaceae UCG-014	uncultured bacterium
OTU202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	Ruminococcaceae UCG-014	
OTU186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Firmicutes	Ruminococcaceae UCG-014	uncultured bacterium