

Supporting Information

Molecular Alteration Analysis of Human Gut Microbial Composition in Graves' disease Patients

Hafiz Muhammad Ishaq^{1,7}, Imran Shair Mohammad², Muhammad Shahzad³, Chaofeng Ma⁴, Muhammad Asif Raza¹, Xiaokang Wu⁵, Hui Guo⁶, Peijie Shi⁶, Jiru Xu^{7*}

¹Department of veterinary and animal sciences, Muhammad Nawaz Sharif University of Agriculture, Multan, Pakistan.

²Department of Pharmaceutics, School of Pharmacy, China Pharmaceutical University, Nanjing, China.

³Department of Pharmacology, University of Health Sciences, Khyaban-e-Jamia Punjab, Lahore, Pakistan.

⁴Xi'an center for disease control and prevention, China

⁵The second Affiliated Hospital of Xi'an Jiaotong University, 157 Xiwu Street, Xi'an China.

⁶Department of Endocrinology and metabolic diseases, 1st affiliated Hospital Xi'an Jiotong University, China.

⁷Department of Microbiology and Immunology, Key Laboratory of Environment and Genes Related to Diseases of Chinese Ministry of Education, School of Medicine, Xian Jiaotong University, Xi'an, China.

Correspondence and reprints: Prof. Dr. Jiru Xu, Department of Microbiology and Immunology, Key Laboratory of Environment and Genes Related to Diseases of Chinese Ministry of Education, School of Medicine, Xian Jiaotong University, Xi'an, China.

Email: xujiru@mail.xjtu.edu.cn

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Table. S1. Serum thyroid hormone and antibodies level in GD patients at the time of sample collection.

Patients	Age	T3 (ng/ml)	T4(µg/dl)	FT3(pmol/L)	FT4(pmol/L)	TSH(µIU/ml)	Anti-TPO U/ml	Anti-TG Ab %	TR-Ab U/L
1	42	2.71	25.5	12.8	86.3	<0.07	1445.7	43.5	21.7
2	35	2.75	27.3	17.69	95.2	<0.07	>3000	64.8	35.6
3	37	2.85	24.13	14.88	83.6	0.1	1338.2	55.5	40.3
4	44	2.81	31.14	13.63	92.6	0.09	>3000	61.2	42.3
5	38	2.65	28.3	15.52	74.6	0.08	>3000	65.5	31.3
6	50	2.84	28.75	13.11	60.6	<0.07	>3000	48.2	38.1
7	44	2.72	24.36	12.3	64.06	<0.07	>3000	56.5	41.2
8	43	2.81	26.32	14.97	67.7	0.08	1338.7	68.9	35.5
9	47	2.74	26.17	14.25	83.1	0.08	2435	58.6	25.8
10	43	2.65	24.12	12.23	90.4	0.09	>3000	43.5	21.9
11	44	2.55	31.91	14.81	74.4	<0.07	>3000	73	37.1
12	44	2.75	25.7	12.72	75.8	<0.07	>3000	53.2	32.4
13	48	2.74	26.58	13.66	70.3	0.07	2944.1	58.4	19.8
14	49	2.31	27.63	14.42	68.1	<0.07	>3000	38.2	22.9
15	50	2.52	25.8	14.03	79.1	<0.07	>3000	45.7	26.8
16	38	2.65	24.18	11.21	81.69	<0.07	1848.3	43.7	37.3
17	45	2.55	28.98	12.17	83.1	0.07	>3000	61.4	27.7
18	35	2.58	26.4	12.5	85.1	<0.07	2818.3	44.7	26.2
19	40	2.63	27.81	14.82	84.3	<0.07	>3000	43.6	40.1
20	43	2.63	25.46	16.3	82.4	<0.07	>3000	61.2	41.1
21	45	2.6	27.82	14.14	64.5	0.07	>3000	62.5	27.8
22	44	2.61	26.66	12.97	69.14	<0.07	1296.5	58.6	43.4
23	36	2.72	25.72	13.3	75.9	<0.07	>3000	62.5	23.7
24	45	2.73	25.44	13.95	52.8	<0.07	>3000	51.8	22.6
25	36	2.69	26.41	13.49	64.7	<0.07	>3000	43.6	27.9
26	38	2.74	29.37	12.91	69.7	0.07	>3000	48.2	29.2
27	39	2.64	26.65	12.96	84.5	<0.07	2796.4	67.7	28.9

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80 **Table.S2 Serum thyroid hormone and antibodies level in healthy volunteers**

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Control	Age	T3 (ng/ml)	T4(μg/dL)	FT3(pmol/L)	FT4(pmol/L)	TSH(μIU/ml)	Anti-TPO U/ml	Anti-TG Ab %	TR-Ab U/L
1	35	1.09	7.11	4.14	12.1	1.96	Negative	Negative	Negative
2	41	0.99	5.31	3.67	13.31	1.21	Negative	Negative	Negative
3	40	1.08	4.21	3.88	14.23	1.86	Negative	Negative	Negative
4	36	0.91	4.32	3.63	9.19	2.12	Negative	Negative	Negative
5	38	0.94	6.12	5.11	15.12	1.37	Negative	Negative	Negative
6	49	1.13	5.61	4.23	11.13	1.98	Negative	Negative	Negative
7	50	0.91	5.82	5.15	10.16	3.13	Negative	Negative	Negative
8	45	0.89	6.42	4.14	14.17	2.51	Negative	Negative	Negative
9	37	0.88	4.65	3.67	13.19	3.23	Negative	Negative	Negative
10	43	0.92	5.71	6.18	11.41	2.45	Negative	Negative	Negative
11	50	1.02	8.21	5.41	12.89	1.88	Negative	Negative	Negative

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