



Supplementary Material

Gut Microbiota enabled Goitered Gazelle (*Gazella subgutturosa*) to Adapt to Seasonal Changes

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Supplementary Table I.- 7 indexes of 40 samples which can reflect data quality between winter and summer.

Sample name	Total reads No.	Average length	Q20	Q30	GC%	Effective%	Good's coverage
WGS1	61,069	409	98.28	96.62	52.99	78.63	0.9965
WGS2	59,543	409	98.09	96.20	53.05	76.88	0.9961
WGS3	70,192	407	98.23	96.51	53.50	77.88	0.9957
WGS4	61,560	410	98.21	96.50	53.15	76.82	0.9962
WGS5	69,641	408	98.29	96.64	52.95	79.75	0.9963
WGS6	68,800	408	98.27	96.61	52.98	79.28	0.9962
WGS7	57,432	408	98.29	96.63	53.00	78.15	0.9968
WGS8	60,434	407	98.27	96.60	53.42	79.51	0.9969
WGS9	70,422	410	98.13	96.29	52.81	77.48	0.9960
WGS10	52,908	408	98.15	96.32	53.20	75.85	0.9970
WGS11	72,133	409	98.27	96.60	52.99	77.75	0.9960
WGS12	71,024	409	98.32	96.70	52.71	79.55	0.9954
WGS13	45,828	409	98.12	96.28	52.94	76.90	0.9965
WGS14	63,974	409	98.19	96.39	52.97	77.18	0.9954
WGS15	70,914	409	98.14	96.29	52.77	76.15	0.9958
WGS16	61,243	410	98.27	96.60	52.86	77.80	0.9961
WGS17	69,286	410	98.17	96.37	52.85	75.83	0.9962
WGS18	60,614	409	98.14	96.30	52.91	76.90	0.9964
WGS19	48,108	409	98.14	96.31	52.99	77.50	0.9968
WGS20	63,417	411	98.18	96.36	52.60	76.88	0.9957
SGS1	70,187	409	98.24	96.54	52.98	77.69	0.9954
SGS2	71,826	407	98.2	96.40	53.15	78.88	0.9962
SGS3	68,228	407	98.13	96.27	53.54	77.68	0.9957

Sample name	Total reads No.	Average length	Q20	Q30	GC%	Effective%	Good's coverage
SGS4	72,312	405	98.19	96.42	53.12	78.66	0.9954
SGS5	63,401	409	98.23	96.52	53.17	77.73	0.9960
SGS6	59,387	409	98.29	96.63	53.06	79.38	0.9957
SGS7	63,880	409	98.3	96.64	53.14	78.29	0.9960
SGS8	62,093	406	98.11	96.23	53.13	77.46	0.9956
SGS9	64,201	408	98.15	96.31	53.39	78.09	0.9957
SGS10	62,740	408	98.14	96.29	53.50	77.54	0.9966
SGS11	62,454	407	98.27	96.61	53.33	79.93	0.9962
SGS12	66,198	408	98.25	96.51	53.00	79.74	0.9956
SGS13	59,164	409	98.13	96.28	53.02	78.53	0.9964
SGS14	59,625	408	98.28	96.62	53.01	78.85	0.9958
SGS15	69,208	407	98.18	96.37	53.27	78.46	0.9959
SGS16	67,181	408	98.2	96.41	53.23	77.99	0.9958
SGS17	56,594	407	98.24	96.50	53.39	77.27	0.9974
SGS18	60,142	408	98.17	96.35	53.06	77.78	0.9962
SGS19	62,244	407	98.14	96.32	52.90	77.75	0.9967
SGS20	51,322	408	98.16	96.34	53.20	77.13	0.9968