

1 Mucosal adherent bacterial dysbiosis in patients with
2 colorectal adenomas

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3 Yingying Lu^{1*}, Jing Chen^{1*}, Junyuan Zheng¹, Guoyong
Hu¹, Jingjing Wang¹, Chunlan Huang¹, Lihong Lou², Xingpeng
Wang¹, Yue Zeng¹

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5 ¹Department of Gastroenterology, Shanghai general Hospital,
Shanghai JiaoTong University School of Medicine, Shanghai,
200080, China

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7 ²International Medical Care Center, Shanghai general
Hospital, Shanghai JiaoTong University School of
Medicine, Shanghai, 200080, China.

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9 Corresponding author: Yue Zeng, Department of
Gastroenterology, Shanghai general Hospital, Shanghai
JiaoTong University School of Medicine, Shanghai, 200080,
China. E-mail: zengyue1592@yahoo.com. Tel: 86-21-37798576.

1 Supplementary Figure Legends

2 Figure S1 Rarefaction curve of single sample in each groups (n=3).

X-axis means sequencing reads from each sample. Y-axis means the average number of OTUs (a cutoff of 0.03) that were observed for that sampling intensity based on the number of iterations, which is 1,000 by default in muthor.

3 Figure S2 Shannon curve of single sample in each groups (n=3).

X-axis means sequencing reads from each sample. Y-axis means the Shannon diversity index for an OTU definition of 0.03

4 Figure S3 Venn diagram for each OTU definition of 0.03 to compare the richness shared among three groups.

5 Figure S4 Non-metric multidimensional scaling plot of mucosal bacterial community structure between healthy controls and colorectal adenomas.

6 Figure S1

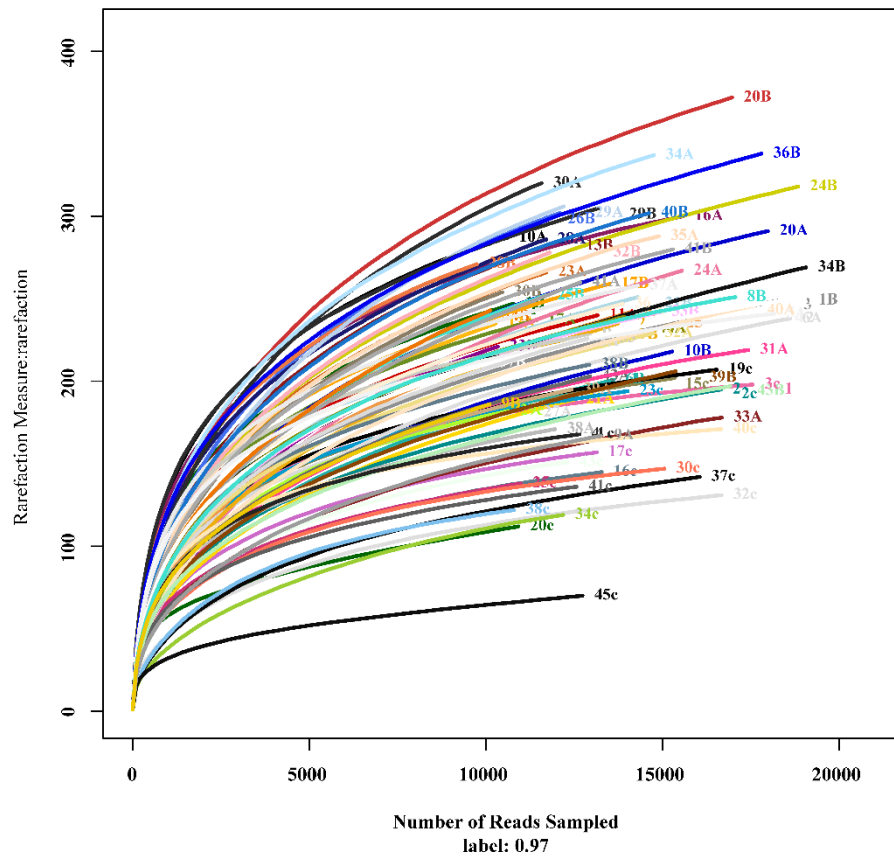


Figure S2

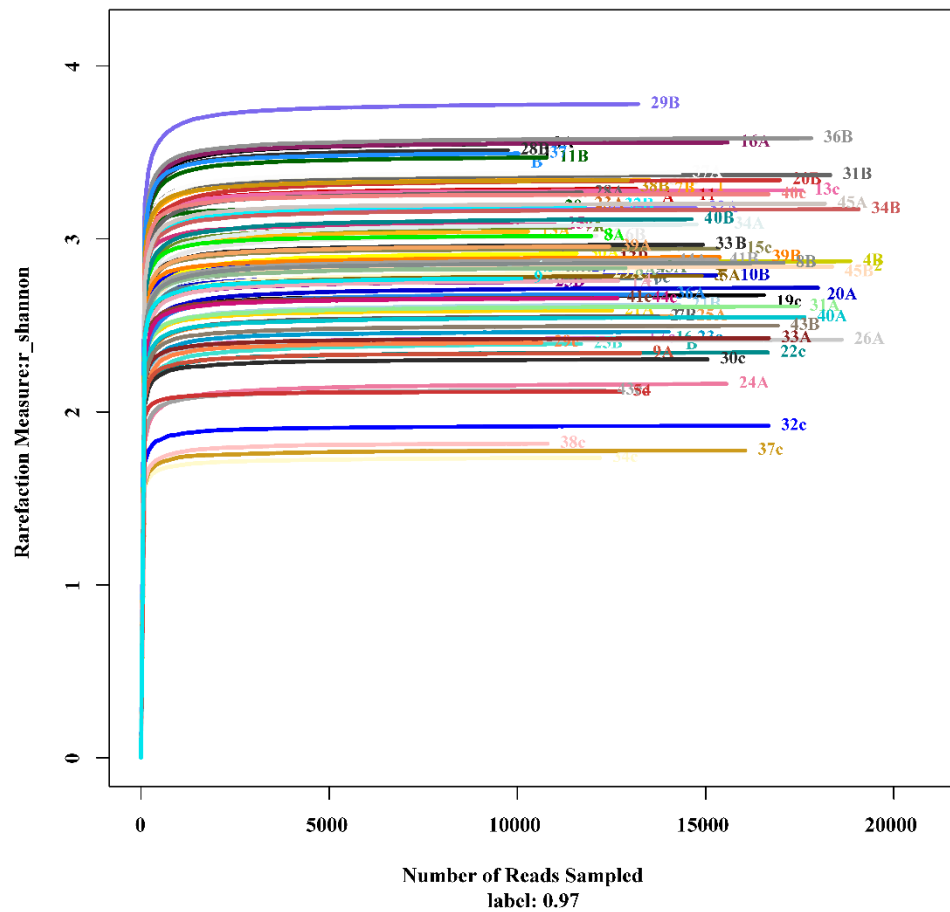


Figure S3

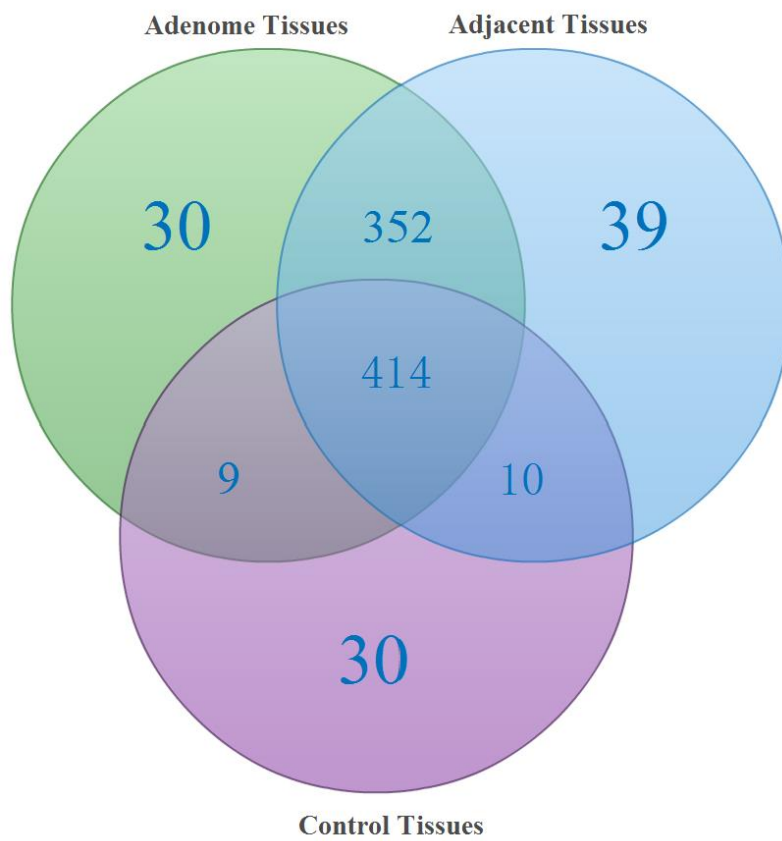
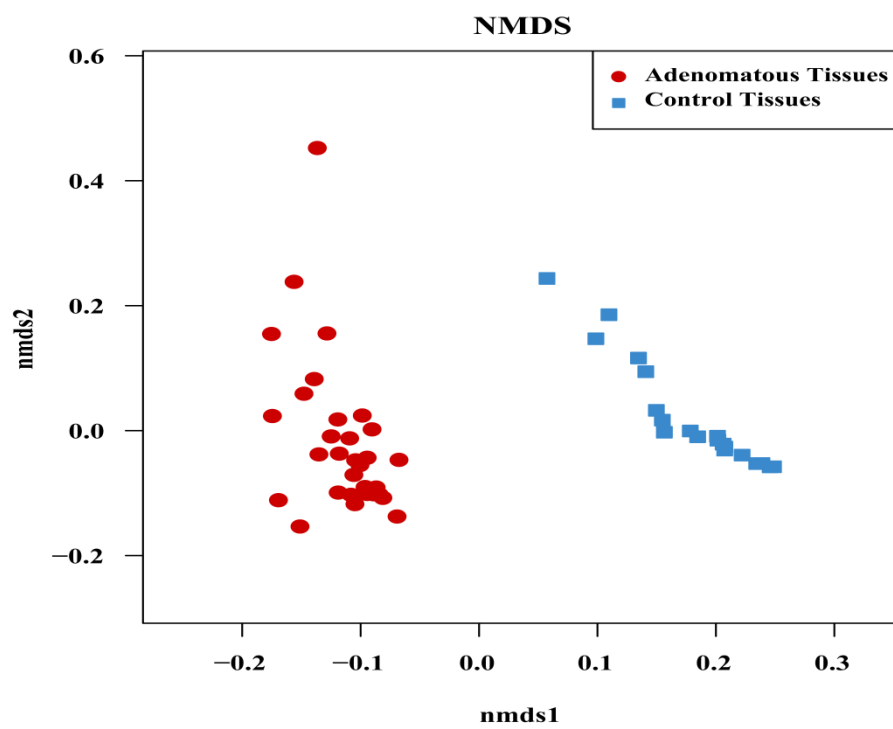


Figure S4



1 Supplementary Table

2 **Table S1** Pyrosequencing data and estimator index of each sample

Sample ID	Reads	0.97					
		OTU	ace	chao	coverage	shannon	simpson
10A	10605	287	358 332, 401	354 324, 409	0.993116	3.55 (3.51, 3.59)	0.1042 (0.0994, 0.109)
10B	15275	218	304 271, 358	314 271, 394	0.995155	2.79 (2.76, 2.82)	0.1613 (0.1563, 0.1663)
11A	13164	240	383 343, 438	329 288, 406	0.994682	3.29 (3.26, 3.32)	0.1097 (0.1057, 0.1137)
11B	10778	247	325 295, 375	331 292, 405	0.993691	3.47 (3.44, 3.51)	0.0936 (0.0897, 0.0975)
13A	10279	235	404 360, 463	340 294, 424	0.992217	3.04 (3, 3.08)	0.15 (0.1439, 0.1561)
13B	11726	282	375 342, 425	365 330, 426	0.992666	2.89 (2.85, 2.92)	0.1975 (0.1904, 0.2046)
13c	17553	198	220 209, 242	220 207, 251	0.998234	3.28 (3.26, 3.31)	0.0967 (0.0938, 0.0996)
15c	15344	202	245 226, 279	247 223, 296	0.997002	2.94 (2.91, 2.97)	0.1601 (0.1548, 0.1653)
16A	15579	300	361 338, 399	350 327, 392	0.995764	3.56 (3.53, 3.59)	0.0908 (0.0875, 0.0942)
16B	13618	201	332 295, 386	279 243, 346	0.994933	2.43 (2.39, 2.46)	0.2347 (0.2278, 0.2416)
16c	13280	145	187 167, 225	176 159, 213	0.997139	2.77 (2.74, 2.8)	0.1322 (0.1285, 0.1358)
17A	11420	237	301	296	0.994396	3.07	0.1405

			276, 34 2	269, 34 8		(3. 03, 3. 1)	(0. 135, 0. 146)
17B	13501	259	390 353, 44 2	357 313, 43 5	0. 994297	3. 34 (3. 31, 3. 37)	0. 0786 (0. 0765, 0. 0808)
17c	13136	157	188 173, 21 8	192 172, 23 6	0. 997183	2. 43 (2. 39, 2. 46)	0. 2423 (0. 2351, 0. 2495)
19c	16543	207	244 227, 27 4	243 224, 28 4	0. 997401	2. 67 (2. 64, 2. 71)	0. 2258 (0. 2194, 0. 2322)
20A	17981	291	396 360, 45 0	391 349, 46 2	0. 994939	2. 72 (2. 69, 2. 75)	0. 2168 (0. 2107, 0. 2228)
20B	16968	372	486 450, 53 9	470 433, 53 2	0. 993517	3. 34 (3. 31, 3. 37)	0. 1205 (0. 1164, 0. 1247)
20c	10920	112	270 221, 34 3	194 147, 30 8	0. 996429	3. 18 (3. 16, 3. 21)	0. 064 (0. 0623, 0. 0657)
21A	12507	189	275 240, 33 1	270 233, 34 1	0. 994563	2. 59 (2. 55, 2. 62)	0. 1921 (0. 1858, 0. 1983)
21B	14297	251	329 300, 37 3	342 302, 41 3	0. 994474	2. 62 (2. 59, 2. 65)	0. 2099 (0. 2035, 0. 2162)
22c	16653	195	254 229, 29 6	268 232, 33 8	0. 996577	2. 34 (2. 31, 2. 37)	0. 2704 (0. 2635, 0. 2773)
23A	11710	266	353 322, 40 3	349 313, 41 2	0. 992997	3. 2 (3. 17, 3. 23)	0. 1071 (0. 1035, 0. 1107)
23B	10335	221	362 323, 41 5	287 258, 33 9	0. 99284	2. 75 (2. 71, 2. 79)	0. 1653 (0. 16, 0. 1706)
23c	14014	194	229 213, 25 8	233 212, 27 9	0. 997074	2. 46 (2. 43, 2. 5)	0. 2561 (0. 2487, 0. 2635)
24A	15549	267	369 334, 42 2	353 318, 41 1	0. 993826	2. 16 (2. 13, 2. 19)	0. 3039 (0. 2963, 0. 3115)
24B	18841	318	411 379, 46	407 370, 46	0. 995117	2. 87 (2. 84, 2. 9)	0. 1891 (0. 1838, 0. 1945)

			0	9			)
25A	14101	242	346 309, 40 6	339 297, 41 2	0.994043	2.55 (2.52, 2.59)	0.2184 (0.2119, 0.2249)
25B	11687	252	335 305, 38 1	316 289, 36 5	0.993155	2.39 (2.35, 2.43)	0.2719 (0.2635, 0.2803)
25c	10991	138	176 158, 21 1	170 152, 21 0	0.996725	3.08 (3.06, 3.11)	0.1026 (0.0986, 0.1067)
26A	18614	238	316 287, 36 2	304 275, 35 6	0.995971	2.42 (2.39, 2.45)	0.2392 (0.2332, 0.2452)
26B	12094	302	397 364, 44 6	393 356, 45 6	0.992228	3.02 (2.98, 3.05)	0.1632 (0.1572, 0.1692)
27A	10701	181	227 206, 26 3	230 204, 28 5	0.995701	2.88 (2.85, 2.92)	0.1444 (0.1397, 0.1492)
27B	13734	235	339 301, 39 8	346 298, 42 9	0.993738	2.55 (2.52, 2.59)	0.2104 (0.204, 0.2167)
28A	11710	286	392 355, 45 0	436 371, 54 8	0.992143	3.27 (3.23, 3.3)	0.1305 (0.1253, 0.1358)
28B	9743	271	350 321, 39 5	332 305, 38 1	0.992405	3.51 (3.48, 3.55)	0.1004 (0.0956, 0.1052)
29A	12203	306	407 373, 45 8	391 357, 44 8	0.991887	2.8 (2.76, 2.84)	0.1953 (0.1887, 0.202)
29B	13204	305	396 363, 44 7	417 369, 50 4	0.993638	3.78 (3.75, 3.81)	0.0624 (0.06, 0.0648)
29c	10631	182	226 207, 26 0	227 204, 27 5	0.995485	2.4 (2.36, 2.44)	0.2639 (0.2553, 0.2726)
30A	11574	320	442 403, 50 1	419 380, 48 3	0.990928	2.92 (2.88, 2.96)	0.1931 (0.1861, 0.2001)
30B	10462	254	351 316, 40 4	337 302, 39 8	0.991875	2.83 (2.8, 2.87)	0.185 (0.1781, 0.192)

30c	15052	147	172 159, 19 7	165 154, 19 0	0.99794	2.3 (2.27, 2.33)	0.266 (0.2588, 0.2732)
31A	17432	219	273 251, 30 9	265 243, 30 8	0.996615	2.61 (2.58, 2.64)	0.1843 (0.1793, 0.1893)
31B	18307	249	352 313, 41 6	363 312, 45 5	0.995685	3.37 (3.34, 3.39)	0.0822 (0.0798, 0.0847)
32A	14733	229	370 331, 42 4	317 277, 39 1	0.995113	3.18 (3.15, 3.2)	0.0934 (0.0906, 0.0962)
32B	11801	278	445 402, 50 2	387 342, 46 3	0.99195	3.19 (3.16, 3.23)	0.1223 (0.1175, 0.1271)
32c	16669	131	165 148, 19 8	162 145, 20 3	0.9979	1.92 (1.89, 1.95)	0.338 (0.3303, 0.3457)
33A	16678	178	243 216, 29 0	268 223, 35 7	0.996462	2.43 (2.4, 2.45)	0.2156 (0.2098, 0.2214)
33B	14925	242	310 283, 35 3	296 271, 34 2	0.995444	2.97 (2.94, 3)	0.1239 (0.1202, 0.1277)
34A	14758	337	449 412, 50 5	447 403, 52 0	0.993156	3.08 (3.05, 3.12)	0.1696 (0.1639, 0.1752)
34B	19066	269	529 468, 61 0	444 369, 57 6	0.994965	3.17 (3.15, 3.2)	0.0955 (0.0935, 0.0976)
34c	12191	119	163 142, 20 2	148 132, 18 2	0.996719	1.73 (1.7, 1.76)	0.3659 (0.3568, 0.375)
35A	14892	288	386 352, 43 7	369 335, 42 8	0.994091	2.79 (2.75, 2.82)	0.2049 (0.1986, 0.2113)
35B	12939	228	268 250, 29 9	271 249, 31 7	0.99629	3.38 (3.35, 3.41)	0.0992 (0.0954, 0.1029)
36A	13878	247	408 365, 46 6	338 298, 40 9	0.994308	2.68 (2.64, 2.72)	0.2349 (0.2275, 0.2422)
36B	17802	338	453	464	0.994326	3.58	0.077

			414, 51 0	413, 55 0		(3. 56, 3. 61)	(0. 0745, 0. 0796)
37A	14307	258	377 343, 42 5	329 296, 39 1	0. 995317	3. 38 (3. 35, 3. 41)	0. 0917 (0. 0886, 0. 0948)
37B	10025	211	269 244, 31 2	297 253, 38 4	0. 994414	3. 49 (3. 46, 3. 53)	0. 0649 (0. 0628, 0. 067)
37c	16050	142	189 168, 22 7	187 163, 23 7	0. 997196	1. 78 (1. 75, 1. 8)	0. 3685 (0. 3604, 0. 3766)
38A	11959	171	221 199, 26 2	216 192, 26 5	0. 996154	3. 02 (2. 99, 3. 05)	0. 1078 (0. 1046, 0. 111)
38B	12930	210	308 277, 35 3	289 250, 36 5	0. 995514	3. 34 (3. 31, 3. 37)	0. 0761 (0. 0738, 0. 0784)
38c	10799	122	149 135, 17 5	150 134, 18 7	0. 996944	1. 82 (1. 78, 1. 85)	0. 3558 (0. 3462, 0. 3653)
39A	12433	195	258 232, 30 3	272 235, 34 5	0. 995174	2. 96 (2. 92, 2. 99)	0. 1437 (0. 1384, 0. 149)
39B	15376	206	294 259, 35 0	299 256, 37 9	0. 995447	2. 89 (2. 87, 2. 92)	0. 1339 (0. 1296, 0. 1382)
40A	17624	246	332 301, 38 1	321 289, 37 9	0. 995461	2. 55 (2. 52, 2. 58)	0. 2031 (0. 1977, 0. 2085)
40B	14623	302	374 348, 41 6	369 341, 41 8	0. 994187	3. 11 (3. 08, 3. 15)	0. 1386 (0. 1338, 0. 1434)
40c	16666	171	193 181, 21 6	195 180, 23 1	0. 99832	3. 26 (3. 23, 3. 28)	0. 0985 (0. 0952, 0. 1018)
41A	12673	260	494 438, 56 7	398 341, 49 3	0. 992109	2. 76 (2. 72, 2. 79)	0. 1753 (0. 1699, 0. 1808)
41B	15295	280	354 327, 39 8	355 323, 41 3	0. 99477	2. 88 (2. 85, 2. 91)	0. 1758 (0. 1703, 0. 1813)
41c	12563	136	172 155, 20	166 149, 20	0. 997214	2. 66 (2. 63, 2. 69	0. 185 (0. 1787, 0. 1914

			7	5		)	)
43A	12952	203	354 312, 41 2	292 251, 36 9	0.994595	2.85 (2.82, 2.88)	0.1608 (0.1552, 0.1664)
43B	16918	197	308 274, 35 7	258 229, 31 3	0.996335	2.5 (2.47, 2.53)	0.2293 (0.2231, 0.2355)
43c	12310	151	187 170, 21 9	182 165, 21 9	0.996751	2.12 (2.09, 2.16)	0.3031 (0.2947, 0.3116)
44A	13913	239	323 291, 37 3	329 288, 40 3	0.994681	2.87 (2.84, 2.91)	0.1838 (0.1776, 0.1901)
44B	10127	243	479 423, 55 2	359 310, 44 1	0.990817	2.83 (2.79, 2.87)	0.1783 (0.1715, 0.1852)
44c	12655	168	202 186, 23 4	201 183, 24 3	0.997076	2.66 (2.62, 2.69)	0.2133 (0.2062, 0.2203)
45A	18166	241	274 259, 30 2	277 258, 31 8	0.997578	3.2 (3.17, 3.23)	0.1375 (0.133, 0.142)
45B	18353	249	313 288, 35 4	321 287, 38 3	0.996404	2.84 (2.81, 2.87)	0.1759 (0.1709, 0.1809)
45c	12733	70	136 109, 18 1	116 86, 202	0.998115	2.12 (2.09, 2.14)	0.2099 (0.2046, 0.2152)
8A	12872	226	361 323, 41 4	333 284, 42 2	0.994173	2.83 (2.8, 2.87)	0.1788 (0.1726, 0.1851)
8B	17064	251	306 284, 34 1	305 280, 35 3	0.996249	2.86 (2.83, 2.89)	0.1737 (0.1684, 0.179)
9A	13260	167	229 203, 27 5	216 192, 26 5	0.996003	2.34 (2.31, 2.37)	0.24 (0.2329, 0.2471)
9B	10104	186	344 298, 40 8	290 241, 38 2	0.99327	2.77 (2.73, 2.81)	0.1693 (0.163, 0.1757)