

1 S5 Table. Incidence of transplant complications in the recipients with the microbiota with  
 2 different alpha diversity (Shannon diversity index).

	Shannon diversity index		
	Low tertile (n= 15)	Mid tertile (n= 15)	High tertile (n= 15)
6 Oral mucositis <sup>a,c</sup>	7 (46.6)	10 (66.6)	11 (73.3)
7 Bacteremia until day+100 <sup>c</sup>	4 (26.6)	3 (20.0)	5 (33.3)
8 Acute GvHD <sup>b,c</sup>	5 (33.3)	4 (26.6)	6 (40.0)
9 One-year overall survival rate (%) <sup>d</sup>	53.3	64.0	72.7
10 (95% CI)	(33.2–85.6)	(42.9–95.5)	(53.1–99.6)

11 <sup>a</sup>Grade 0 is regarded as absence of oral mucositis. <sup>b</sup>Grade II-IV is regarded as presence of  
 12 acute GvHD. <sup>c</sup>No significant relationship was observed in Fisher's exact test. <sup>d</sup>No significant  
 13 relationship was observed in a log-rank test.

14 Abbreviation: GvHD, graft-versus host disease

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