

**Supplementary Table S1:** Differences pre VS post of alpha diversity indexes.

Mean, Median (min; max) [95% CI], p.value (Welch two sample t-test).

oGVHD= ocular Graft Versus Host Disease

Indexes	oGVHD	Not oGVHD	p. value
Shannon index	-0.44 -0.42 (-3.07; 1.33) [-3.07; 1.33]	0.39 0.28 (-4.72; 4.02) [-1.23; 2.91]	0.3317
Chao1 index	-185.7 -179.8 (-836.5; 225.5) [-836.50; 225.53]	80.78 27.13 (-1020.88; 1215.82) [-282.68; 619.08]	0.2394
No. of observed species	-118.83 -93.00 (-642.00; 179.00) [-642; 179]	60.12 -23.5 (-728.00; 848.00) [-171; 540]	0.2774
PD whole tree	-2.07 -0.89 (-8.81; 1.80) [-8.81; 1.80]	0.51 0.09 (-7.10; 14.49) [-4.51; 3.47]	0.2517