а	OTU Table:	Relative Abundance Data:
	Ocean_1 Ocean_2	Ocean_1 Ocean_2 Ocean_1/Ocean_2
Multinomial Template:	OTU1 5 5 OTU2 11 12 OTU3 40 40	OTU1 0.09 0.09 1.02 OTU2 0.20 0.21 0.93 OTU3 0.71 0.70 1.02
	Ocean_1 Ocean_2	Ocean_1 Ocean_2 Ocean_1/Ocean_2
Original Approach: constant (20) applied to OTU1	OTU1-TP 100 5 OTU2 11 12 OTU3 40 40	OTU1-TP
	Ocean_1 Ocean_2	Ocean_1 Ocean_2 Ocean_1/Ocean_2
Balanced Approach: constant (20) applied to OTU1, and OTU1d (d=duplicate)	OTU1-TP OTU1d-TP OTU2 OTU3 OTU3 5 5 100 11 12 40 40	OTU1-TP OTU1d-TP OTU2-TN OTU3-TN OTU3-TN OTU3-TN OTU3-TN OTU3-TN O.64 0.03 0.64 0.05 0.07 0.07 0.92 0.26 0.25 1.00
b	Multinomial Template/Environment Ocean_1 Ocean_2	OTU table Ocean_1 Ocean_2
Original Approach:	OT14 5 5	OTU1 100 5 OTU2 11 12 OTU3 40 40

OTU1
OTU2
OTU3

sample from multinomial

 OTU1 OTU2 OTU3

Compositional Aproach: