

**A****Unfiltered**

0	0	0	0	0	0	0	0	ALDEx2
0	0.2	0.2	0.5	0.3	2	0.3	0.9	ANCOM-II
2	10	0.9	3	73	121	0.4	0.1	corncob
0	0	2	0.1	3	0.7	1	0	DESeq2
1729	327	49	91	820	738	50	45	edgeR
194	368	13	108	115	862	50	209	LEfSe
8495	8131	194	162	1357	4671	216	42	limma voom (TMM)
6382	7447	0	173	1274	4389	135	104	limma voom (TMMwsp)
0	0	0	0	0	0	0	0	MaAsLin2
0	0	0	0	0	0	0	0	MaAsLin2 (rare)
0	0	0.2	0	0.4	0.3	2	0.1	metagenomeSeq
0	0	0	0	0	0	0	0	t-test (rare)
968	1812	0	21	0	0	0	45	Wilcoxon (CLR)
0	0	0	0	0	0	0	0	Wilcoxon (rare)

Soil – Blueberry  
 Marine – Sediment  
 Human – OB (1)  
 Human – HIV (3)  
 Human – C. diff (1)  
 Human – Treat.  
 Freshwater – Arctic  
 Freshwater – Arctic  
 Built – Office

**B****Filtered**

0	0	0.1	0	0	0	0	0	ALDEx2
0.1	0	0.1	0.2	1	2	0.4	0.5	ANCOM-II
2	10	1	2	51	70	0.6	0.2	corncob
0	0.5	2	0.2	7	3	0.3	0.1	DESeq2
52	53	37	31	330	273	31	23	edgeR
9	16	9	29	91	203	46	144	LEfSe
4	0.1	0.1	7	170	78	30	3	limma voom (TMM)
3	3	0.2	7	182	62	16	2	limma voom (TMMwsp)
0.1	0	0.1	0	0	0.1	0	0	MaAsLin2
0.1	0.1	0.1	0	0	0	0	0	MaAsLin2 (rare)
0	0	0.1	0	0	0	1	0.2	metagenomeSeq
0.1	0	0	0	0	0	0	0	t-test (rare)
0.2	0.5	0	0.1	0.1	0	0	0	Wilcoxon (CLR)
0.2	0.1	0	0	0	0	0	0	Wilcoxon (rare)

Soil – Blueberry  
 Marine – Sediment  
 Human – OB (1)  
 Human – HIV (3)  
 Human – C. diff (1)  
 Human – Treat.  
 Freshwater – Arctic  
 Freshwater – Arctic  
 Built – Office

