

**Table S1.** Tukey Pairwise Comparisons for group data of Figure 4d. Grouping Information Using the Tukey Method and 95% Confidence.

Factor	N	Mean	Grouping			
5601W-0.04% SP	3	8.64667	A			
7802-0.04% SP	3	8.40667		B		
7801-0.04% SP	3	8.33667			C	
5601Y-0.04% SP	3	7.15667				D
7801-Control	3	6.30667				E
5601Y-Contrl	3	6.06667				F
7801-No SP	3	6.00667				G
5601Y-No SP	3	5.97667				G
7802-Contrl	3	5.97667				G
7802-No SP	3	5.86667				H
5601W-Contrl	3	5.77667				I
5601W-No SP	3	5.60667				J

Means that do not share a letter are significantly different.

**Table S2.** Tukey Pairwise Comparisons for group data of Figure 5c. Grouping Information Using the Tukey Method and 95% Confidence.

Factor	N	Mean	Grouping						
5601Y-0.02%SP- D2	3	9.0200	A						
5601W-0.04%SP- D2	3	8.9600	A	B					
5601Y-0.04%SP- D2	3	8.9200	A	B	C				
5601Y-0.02%SP- D3	3	8.7350	A	B	C	D			
5601W-0.04%SP- D1	3	8.7150	A	B	C	D			
5601Y-0.04%SP- D3	3	8.675	A	B	C	D	E		
5601Y-0.02%SP- D1	3	8.5900	A	B	C	D	E		
5601Y-0.04%SP- D1	3	8.5300	A	B	C	D	E	F	
5601W-0.02%SP- D1	3	8.5050	A	B	C	D	E	F	G
5601W-0.02%SP- D3	3	8.450	A	B	C	D	E	F	G
5601Y-0.01%SP- D2	3	8.3800		B	C	D	E	F	G
5601Y-0.01%SP- D1	3	8.350		B	C	D	E	F	G
5601W-0.04%SP- D3	3	8.300			C	D	E	F	G
5601W-0.02%SP- D2	3	8.2400				D	E	F	G
5601Y-0.01%SP- D3	3	8.2400				D	E	F	G
5601W-0.01%SP- D1	3	8.0750					E	F	G
5601W-0.01%SP- D3	3	7.9200						F	G
5601W-0.01%SP- D2	3	7.8800						G	H
5601Y-0.02%SP- D0	3	7.345							H
5601W-0.01%SP- D0	3	7.330							I
5601W-C- D1	3	7.2850							I
5601W-0.04%SP- D0	3	7.2700							I
5601Y-0.04%SP- D0	3	7.2100							J
5601W-0.02%SP- D0	3	7.01500							J
5601Y-C- D2	3	7.000							J
5601Y-0.01%SP- D0	3	6.98500							J
5601W-C- D0	3	6.98500							J
5601Y-C- D0	3	6.9700							J
5601W-C- D2	3	6.9550							J
5601W-C- D3	3	6.9100							J
5601Y-C- D1	3	6.8950							J
5601Y-C- D3	3	6.8350							J

Means that do not share a letter are significantly different.