

Heatmap showing the distribution of 12 strains (A-L) across 12 columns (1-12). The color scale ranges from 0.00 (white) to 0.12 (dark red).

Strain	1	2	3	4	5	6	7	8	9	10	11	12
A	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.00	0.04	0.04	0.00	0.00
B	0.00	0.00	0.04	0.08	0.04	0.04	0.00	0.00	0.00	0.04	0.08	0.00
C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04
D	0.04	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.04
E	0.04	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.00
F	0.00	0.04	0.04	0.00	0.04	0.08	0.00	0.00	0.00	0.00	0.00	0.04
G	0.00	0.00	0.04	0.04	0.04	0.04	0.00	0.00	0.04	0.08	0.00	0.00
H	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.04	0.04	0.00	0.00

Figure 1 is a heatmap illustrating the relative abundance of 12 bacterial taxa (numbered 1 to 12 on the x-axis) across 8 different media types (labeled A through H on the y-axis). The color scale represents relative abundance, ranging from 0 (white) to 1 (black). The taxa are grouped into four clusters based on their abundance patterns across the media types. Taxa 1, 2, 3, and 4 are highly abundant in media A and B. Taxa 5, 6, 7, and 8 are highly abundant in media C and D. Taxa 9, 10, 11, and 12 are highly abundant in media E and F. Taxa 1, 2, 3, and 4 are also highly abundant in media G and H. Taxa 5, 6, 7, and 8 are highly abundant in media I and J. Taxa 9, 10, 11, and 12 are highly abundant in media K and L.

A	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N
B	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N
C	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N
D	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N
E	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N
F	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N
G	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N
H	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.1 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.16 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N	0.25 _{pg/ml} _N
	1	2	3	4	5	6	7	8	9	10	11	12