

Heatmap showing the relationship between 12 strains (columns) and 8 samples (rows). The columns are labeled 1 to 12, and the rows are labeled A to H. The color scale ranges from 0 (white) to 1 (dark red). The diagonal elements (A1, B2, C3, D4, E5, F6, G7, H8) are dark red, indicating a value of 1. The off-diagonal elements are white, indicating a value of 0.

	1	2	3	4	5	6	7	8	9	10	11	12
A	1	0	0	0	0	0	0	0	0	0	0	0
B	0	1	0	0	0	0	0	0	0	0	0	0
C	0	0	1	0	0	0	0	0	0	0	0	0
D	0	0	0	1	0	0	0	0	0	0	0	0
E	0	0	0	0	1	0	0	0	0	0	0	0
F	0	0	0	0	0	1	0	0	0	0	0	0
G	0	0	0	0	0	0	1	0	0	0	0	0
H	0	0	0	0	0	0	0	1	0	0	0	0

Figure 1: Heatmap of the media dataset. The heatmap displays a 12x8 grid of data points. The columns are labeled 1 through 12, and the rows are labeled A through H. The color scale ranges from 0.0 (dark blue) to 1.0 (dark red). The data shows a clear pattern of high values (red) in the top-left corner (rows A-D, columns 1-4) and low values (blue) in the bottom-right corner (rows E-H, columns 10-12).

	pos_selection											
A	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c
B	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c	0.0_μg/ml_3c
C	0.0_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.0_μg/ml_3c
D	0.0_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.44_μg/ml_3c	0.0_μg/ml_3c
E	0.0_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.0_μg/ml_3c
F	0.0_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.72_μg/ml_3c	0.0_μg/ml_3c
G	0.0_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	0.0_μg/ml_3c
H	0.0_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	1.18_μg/ml_3c	0.0_μg/ml_3c
	1	2	3	4	5	6	7	8	9	10	11	12