

	strain											
A	blank	MD1655_1	MD1655_2	3.19_1	3.19_2	RW_1	RW_2	WTlac_1	WTlac_2	lacOVS_1	lacOVS_2	n
B	blank	MD1655_1	MD1655_2	3.19_1	3.19_2	RW_1	RW_2	WTlac_1	WTlac_2	lacOVS_1	lacOVS_2	blank
C	blank	MD1655_1	MD1655_2	3.19_1	3.19_2	RW_1	RW_2	WTlac_1	WTlac_2	lacOVS_1	lacOVS_2	blank
D	blank	MD1655_1	MD1655_2	3.19_1	3.19_2	RW_1	RW_2	WTlac_1	WTlac_2	lacOVS_1	lacOVS_2	blank
E	blank	MD1655_1	MD1655_2	3.19_1	3.19_2	RW_1	RW_2	WTlac_1	WTlac_2	lacOVS_1	lacOVS_2	blank
F	blank	MD1655_1	MD1655_2	3.19_1	3.19_2	RW_1	RW_2	WTlac_1	WTlac_2	lacOVS_1	lacOVS_2	blank
G	blank	MD1655_1	MD1655_2	3.19_1	3.19_2	RW_1	RW_2	WTlac_1	WTlac_2	lacOVS_1	lacOVS_2	blank
H	blank	MD1655_1	MD1655_2	3.19_1	3.19_2	RW_1	RW_2	WTlac_1	WTlac_2	lacOVS_1	lacOVS_2	blank
	1	2	3	4	5	6	7	8	9	10	11	12

Figure 1: Heatmap of the correlation matrix of the 12 media. The heatmap shows a 12x12 grid of correlation coefficients. The diagonal elements are all 1.0. The off-diagonal elements show varying degrees of correlation, with the highest correlations (0.9) between media 1 and 2, 1 and 3, 1 and 4, 1 and 5, 1 and 6, 1 and 7, 1 and 8, 1 and 9, 1 and 10, 1 and 11, and 1 and 12. The lowest correlations (0.1) are between media 12 and 1, 12 and 2, 12 and 3, 12 and 4, 12 and 5, 12 and 6, 12 and 7, 12 and 8, 12 and 9, 12 and 10, and 12 and 11.

	pos_selection											
A	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc
B	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc	0.0_posneg_fc
C	0.0_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	0.0_posneg_fc
D	0.0_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	1.00_posneg_fc	0.0_posneg_fc
E	0.0_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	0.0_posneg_fc
F	0.0_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	3.16_posneg_fc	0.0_posneg_fc
G	0.0_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	0.0_posneg_fc
H	0.0_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	5.18_posneg_fc	0.0_posneg_fc
	1	2	3	4	5	6	7	8	9	10	11	12