

Supplemental Data

Type III Two-way ANOVA Report

Second dataset: magnetic field type × magnetic field intensity

Statistical analysis

For each bacterial strain and response variable, a two-way analysis of variance was performed with magnetic field type (AC and DC) and magnetic field intensity (0, 1.62, 2.13, 2.50, and 2.61 mT) as fixed factors. The 0 mT AC and 0 mT DC conditions were treated as separate controls. Type III sums of squares were calculated using sum-to-zero contrasts. Main effects and the field type × intensity interaction were reported as F statistics with numerator and residual degrees of freedom, exact p values, and partial eta squared (η^2). Model residuals were assessed using the Shapiro–Wilk test, while homogeneity of variance across the ten experimental cells was assessed using the Brown–Forsythe test (median-centred Levene test). When the interaction was significant, Tukey HSD comparisons were performed across the ten field–intensity cell means. When the interaction was not significant but the intensity main effect was significant, Tukey HSD was performed on marginal intensity means. Statistical significance was set at $p < 0.05$. Analyses were conducted in Python using statsmodels and SciPy.

Overall analysis summary

A total of 48 two-way ANOVA models and 144 factorial effect tests were performed. Significant results were identified for field type in 28 models, magnetic field intensity in 41 models, and the field type × intensity interaction in 18 models. Shapiro–Wilk tests flagged 2 of 48 models at $p < 0.05$. Brown–Forsythe tests flagged 0 of 48 models at $p < 0.05$. Because each experimental cell contained three biological replicates, assumption tests should be interpreted together with the balanced factorial design and residual diagnostics.

Supplemental Table S1: Lac-Type III two-way ANOVA

Parameter	Effect	F (df1, df2)	p value	Partial η^2	Result
TAS	Field type	0.025 (1, 20)	0.876	0.001	Not significant
TAS	Magnetic field intensity	0.829 (4, 20)	0.523	0.142	Not significant
TAS	Field × intensity	0.080 (4, 20)	0.988	0.016	Not significant
TOS	Field type	258.925 (1, 20)	<0.001	0.928	Significant
TOS	Magnetic field intensity	64.168 (4, 20)	<0.001	0.928	Significant
TOS	Field × intensity	14.367 (4, 20)	<0.001	0.742	Significant
OSI	Field type	272.590 (1, 20)	<0.001	0.932	Significant
OSI	Magnetic field intensity	78.314 (4, 20)	<0.001	0.940	Significant
OSI	Field × intensity	16.689 (4, 20)	<0.001	0.769	Significant
GSH	Field type	1.149 (1, 20)	0.296	0.054	Not significant
GSH	Magnetic field intensity	32.015 (4, 20)	<0.001	0.865	Significant
GSH	Field × intensity	4.325 (4, 20)	0.011	0.464	Significant
MDA	Field type	0.036 (1, 20)	0.851	0.002	Not significant
MDA	Magnetic field intensity	94.697 (4, 20)	<0.001	0.950	Significant
MDA	Field × intensity	11.944 (4, 20)	<0.001	0.705	Significant
% Fragmentation	Field type	14.617 (1, 20)	0.001	0.422	Significant
% Fragmentation	Magnetic field intensity	77.835 (4, 20)	<0.001	0.940	Significant
% Fragmentation	Field × intensity	2.020 (4, 20)	0.130	0.288	Not significant
%Growth	Field type	0.079 (1, 20)	0.781	0.004	Not significant
%Growth	Magnetic field intensity	3.898 (4, 20)	0.017	0.438	Significant
%Growth	Field × intensity	0.161 (4, 20)	0.956	0.031	Not significant
DNA 260	Field type	13.194 (1, 20)	0.002	0.397	Significant
DNA 260	Magnetic field intensity	2.695 (4, 20)	0.060	0.350	Not significant
DNA 260	Field × intensity	1.039 (4, 20)	0.412	0.172	Not significant

Note. Type III sums of squares with sum-to-zero contrasts; η^2 p = $SS_{\text{effect}} / (SS_{\text{effect}} + SS_{\text{error}})$.

Supplemental Table S2: Lpe-Type III two-way ANOVA

Parameter	Effect	F (df1, df2)	p value	Partial η^2	Result
TAS	Field type	0.526 (1, 20)	0.477	0.026	Not significant
TAS	Magnetic field intensity	1.213 (4, 20)	0.336	0.195	Not significant
TAS	Field $\times$ intensity	0.005 (4, 20)	1.000	0.001	Not significant
TOS	Field type	0.008 (1, 20)	0.929	0.000	Not significant
TOS	Magnetic field intensity	104.030 (4, 20)	<0.001	0.954	Significant
TOS	Field $\times$ intensity	1.061 (4, 20)	0.402	0.175	Not significant
OSI	Field type	0.373 (1, 20)	0.548	0.018	Not significant
OSI	Magnetic field intensity	121.878 (4, 20)	<0.001	0.961	Significant
OSI	Field $\times$ intensity	1.385 (4, 20)	0.275	0.217	Not significant
GSH	Field type	4.540 (1, 20)	0.046	0.185	Significant
GSH	Magnetic field intensity	14.972 (4, 20)	<0.001	0.750	Significant
GSH	Field $\times$ intensity	0.063 (4, 20)	0.992	0.012	Not significant
MDA	Field type	99.901 (1, 20)	<0.001	0.833	Significant
MDA	Magnetic field intensity	38.979 (4, 20)	<0.001	0.886	Significant
MDA	Field $\times$ intensity	3.503 (4, 20)	0.025	0.412	Significant
% Fragmentation	Field type	0.215 (1, 20)	0.648	0.011	Not significant
% Fragmentation	Magnetic field intensity	43.414 (4, 20)	<0.001	0.897	Significant
% Fragmentation	Field $\times$ intensity	2.807 (4, 20)	0.053	0.360	Not significant
%Growth	Field type	28.007 (1, 20)	<0.001	0.583	Significant
%Growth	Magnetic field intensity	6.873 (4, 20)	0.001	0.579	Significant
%Growth	Field $\times$ intensity	1.005 (4, 20)	0.428	0.167	Not significant
DNA 260	Field type	62.903 (1, 20)	<0.001	0.759	Significant
DNA 260	Magnetic field intensity	7.182 (4, 20)	<0.001	0.590	Significant
DNA 260	Field $\times$ intensity	0.510 (4, 20)	0.729	0.093	Not significant

Note. Type III sums of squares with sum-to-zero contrasts; $\eta^2p = SS_effect/(SS_effect + SS_error)$.

Supplemental Table S3: Lca-Type III two-way ANOVA

Parameter	Effect	F (df1, df2)	p value	Partial η^2	Result
TAS	Field type	1.367 (1, 20)	0.256	0.064	Not significant
TAS	Magnetic field intensity	2.227 (4, 20)	0.103	0.308	Not significant
TAS	Field $\times$ intensity	0.160 (4, 20)	0.956	0.031	Not significant
TOS	Field type	20.761 (1, 20)	<0.001	0.509	Significant
TOS	Magnetic field intensity	125.421 (4, 20)	<0.001	0.962	Significant
TOS	Field $\times$ intensity	3.124 (4, 20)	0.038	0.385	Significant
OSI	Field type	32.778 (1, 20)	<0.001	0.621	Significant
OSI	Magnetic field intensity	172.731 (4, 20)	<0.001	0.972	Significant
OSI	Field $\times$ intensity	3.444 (4, 20)	0.027	0.408	Significant
GSH	Field type	20.990 (1, 20)	<0.001	0.512	Significant
GSH	Magnetic field intensity	7.937 (4, 20)	<0.001	0.614	Significant
GSH	Field $\times$ intensity	0.739 (4, 20)	0.577	0.129	Not significant
MDA	Field type	6.049 (1, 20)	0.023	0.232	Significant
MDA	Magnetic field intensity	65.735 (4, 20)	<0.001	0.929	Significant
MDA	Field $\times$ intensity	0.916 (4, 20)	0.474	0.155	Not significant
% Fragmentation	Field type	28.502 (1, 20)	<0.001	0.588	Significant
% Fragmentation	Magnetic field intensity	98.051 (4, 20)	<0.001	0.951	Significant
% Fragmentation	Field $\times$ intensity	29.647 (4, 20)	<0.001	0.856	Significant
%Growth	Field type	78.757 (1, 20)	<0.001	0.797	Significant
%Growth	Magnetic field intensity	8.693 (4, 20)	<0.001	0.635	Significant
%Growth	Field $\times$ intensity	0.448 (4, 20)	0.773	0.082	Not significant
DNA 260	Field type	57.851 (1, 20)	<0.001	0.743	Significant
DNA 260	Magnetic field intensity	12.937 (4, 20)	<0.001	0.721	Significant
DNA 260	Field $\times$ intensity	1.696 (4, 20)	0.190	0.253	Not significant

Note. Type III sums of squares with sum-to-zero contrasts; $\eta^2p = SS_effect/(SS_effect + SS_error)$.

Supplemental Table S4: Lrh-Type III two-way ANOVA

Parameter	Effect	F (df1, df2)	p value	Partial η^2	Result
TAS	Field type	1.351 (1, 20)	0.259	0.063	Not significant
TAS	Magnetic field intensity	2.039 (4, 20)	0.127	0.290	Not significant
TAS	Field $\times$ intensity	0.114 (4, 20)	0.976	0.022	Not significant
TOS	Field type	89.902 (1, 20)	<0.001	0.818	Significant
TOS	Magnetic field intensity	270.920 (4, 20)	<0.001	0.982	Significant
TOS	Field $\times$ intensity	3.127 (4, 20)	0.038	0.385	Significant
OSI	Field type	48.025 (1, 20)	<0.001	0.706	Significant
OSI	Magnetic field intensity	225.357 (4, 20)	<0.001	0.978	Significant
OSI	Field $\times$ intensity	3.510 (4, 20)	0.025	0.412	Significant
GSH	Field type	0.808 (1, 20)	0.379	0.039	Not significant
GSH	Magnetic field intensity	3.936 (4, 20)	0.016	0.440	Significant
GSH	Field $\times$ intensity	0.142 (4, 20)	0.964	0.028	Not significant
MDA	Field type	77.185 (1, 20)	<0.001	0.794	Significant
MDA	Magnetic field intensity	19.233 (4, 20)	<0.001	0.794	Significant
MDA	Field $\times$ intensity	0.381 (4, 20)	0.820	0.071	Not significant
% Fragmentation	Field type	11.414 (1, 20)	0.003	0.363	Significant
% Fragmentation	Magnetic field intensity	77.312 (4, 20)	<0.001	0.939	Significant
% Fragmentation	Field $\times$ intensity	4.756 (4, 20)	0.007	0.488	Significant
%Growth	Field type	12.636 (1, 20)	0.002	0.387	Significant
%Growth	Magnetic field intensity	5.483 (4, 20)	0.004	0.523	Significant
%Growth	Field $\times$ intensity	2.305 (4, 20)	0.094	0.316	Not significant
DNA 260	Field type	58.985 (1, 20)	<0.001	0.747	Significant
DNA 260	Magnetic field intensity	18.045 (4, 20)	<0.001	0.783	Significant
DNA 260	Field $\times$ intensity	5.358 (4, 20)	0.004	0.517	Significant

Note. Type III sums of squares with sum-to-zero contrasts; $\eta^2p = SS_effect/(SS_effect + SS_error)$.

Supplemental Table S5: Lbu-Type III two-way ANOVA

Parameter	Effect	F (df1, df2)	p value	Partial η^2	Result
TAS	Field type	0.376 (1, 20)	0.547	0.018	Not significant
TAS	Magnetic field intensity	1.203 (4, 20)	0.340	0.194	Not significant
TAS	Field $\times$ intensity	0.021 (4, 20)	0.999	0.004	Not significant
TOS	Field type	0.074 (1, 20)	0.788	0.004	Not significant
TOS	Magnetic field intensity	94.958 (4, 20)	<0.001	0.950	Significant
TOS	Field $\times$ intensity	3.458 (4, 20)	0.027	0.409	Significant
OSI	Field type	0.145 (1, 20)	0.708	0.007	Not significant
OSI	Magnetic field intensity	127.438 (4, 20)	<0.001	0.962	Significant
OSI	Field $\times$ intensity	2.980 (4, 20)	0.044	0.373	Significant
GSH	Field type	0.128 (1, 20)	0.725	0.006	Not significant
GSH	Magnetic field intensity	25.557 (4, 20)	<0.001	0.836	Significant
GSH	Field $\times$ intensity	0.499 (4, 20)	0.737	0.091	Not significant
MDA	Field type	35.296 (1, 20)	<0.001	0.638	Significant
MDA	Magnetic field intensity	13.221 (4, 20)	<0.001	0.726	Significant
MDA	Field $\times$ intensity	0.804 (4, 20)	0.537	0.138	Not significant
% Fragmentation	Field type	0.143 (1, 20)	0.709	0.007	Not significant
% Fragmentation	Magnetic field intensity	43.641 (4, 20)	<0.001	0.897	Significant
% Fragmentation	Field $\times$ intensity	5.708 (4, 20)	0.003	0.533	Significant
%Growth	Field type	58.641 (1, 20)	<0.001	0.746	Significant
%Growth	Magnetic field intensity	43.184 (4, 20)	<0.001	0.896	Significant
%Growth	Field $\times$ intensity	3.521 (4, 20)	0.025	0.413	Significant
DNA 260	Field type	0.012 (1, 20)	0.915	0.001	Not significant
DNA 260	Magnetic field intensity	7.506 (4, 20)	<0.001	0.600	Significant
DNA 260	Field $\times$ intensity	0.117 (4, 20)	0.975	0.023	Not significant

Note. Type III sums of squares with sum-to-zero contrasts; $\eta^2p = SS_effect/(SS_effect + SS_error)$.

Supplemental Table S6: Lpa-Type III two-way ANOVA

Parameter	Effect	F (df1, df2)	p value	Partial η^2	Result
TAS	Field type	0.043 (1, 20)	0.837	0.002	Not significant
TAS	Magnetic field intensity	2.216 (4, 20)	0.104	0.307	Not significant
TAS	Field $\times$ intensity	0.085 (4, 20)	0.986	0.017	Not significant
TOS	Field type	70.445 (1, 20)	<0.001	0.779	Significant
TOS	Magnetic field intensity	59.216 (4, 20)	<0.001	0.922	Significant
TOS	Field $\times$ intensity	8.991 (4, 20)	<0.001	0.643	Significant
OSI	Field type	121.436 (1, 20)	<0.001	0.859	Significant
OSI	Magnetic field intensity	120.608 (4, 20)	<0.001	0.960	Significant
OSI	Field $\times$ intensity	17.640 (4, 20)	<0.001	0.779	Significant
GSH	Field type	0.473 (1, 20)	0.499	0.023	Not significant
GSH	Magnetic field intensity	6.966 (4, 20)	0.001	0.582	Significant
GSH	Field $\times$ intensity	0.033 (4, 20)	0.998	0.007	Not significant
MDA	Field type	1.485 (1, 20)	0.237	0.069	Not significant
MDA	Magnetic field intensity	15.303 (4, 20)	<0.001	0.754	Significant
MDA	Field $\times$ intensity	0.170 (4, 20)	0.951	0.033	Not significant
% Fragmentation	Field type	7.495 (1, 20)	0.013	0.273	Significant
% Fragmentation	Magnetic field intensity	53.234 (4, 20)	<0.001	0.914	Significant
% Fragmentation	Field $\times$ intensity	0.131 (4, 20)	0.969	0.025	Not significant
%Growth	Field type	97.044 (1, 20)	<0.001	0.829	Significant
%Growth	Magnetic field intensity	23.107 (4, 20)	<0.001	0.822	Significant
%Growth	Field $\times$ intensity	1.023 (4, 20)	0.420	0.170	Not significant
DNA 260	Field type	49.350 (1, 20)	<0.001	0.712	Significant
DNA 260	Magnetic field intensity	7.038 (4, 20)	0.001	0.585	Significant
DNA 260	Field $\times$ intensity	1.233 (4, 20)	0.329	0.198	Not significant

Note. Type III sums of squares with sum-to-zero contrasts; $\eta^2p = SS_effect / (SS_effect + SS_error)$.

Supplemental Table S7: Significant Tukey HSD comparisons

Strain	Parameter	Group 1	Group 2	Mean diff.	Adjusted p	95% CI
Lac	TOS	AC-0.0	AC-2.5	19.25	<0.001	[12.4, 26.1]
Lac	TOS	AC-0.0	AC-2.61	24.4	<0.001	[17.55, 31.25]
Lac	TOS	AC-0.0	DC-0.0	-8.844	0.006	[-15.7, -1.993]
Lac	TOS	AC-1.62	AC-2.5	17.91	<0.001	[11.05, 24.76]
Lac	TOS	AC-1.62	AC-2.61	23.06	<0.001	[16.2, 29.91]
Lac	TOS	AC-1.62	DC-0.0	-10.19	0.001	[-17.04, -3.34]
Lac	TOS	AC-1.62	DC-1.62	-7.77	0.019	[-14.62, -0.9183]
Lac	TOS	AC-1.62	DC-2.13	-7.074	0.040	[-13.93, -0.2222]
Lac	TOS	AC-2.13	AC-2.5	15.85	<0.001	[8.999, 22.7]
Lac	TOS	AC-2.13	AC-2.61	21	<0.001	[14.15, 27.85]
Lac	TOS	AC-2.13	DC-0.0	-12.25	<0.001	[-19.1, -5.395]
Lac	TOS	AC-2.13	DC-1.62	-9.825	0.002	[-16.68, -2.974]
Lac	TOS	AC-2.13	DC-2.13	-9.129	0.004	[-15.98, -2.278]
Lac	TOS	AC-2.5	DC-0.0	-28.1	<0.001	[-34.95, -21.25]
Lac	TOS	AC-2.5	DC-1.62	-25.68	<0.001	[-32.53, -18.82]
Lac	TOS	AC-2.5	DC-2.13	-24.98	<0.001	[-31.83, -18.13]
Lac	TOS	AC-2.5	DC-2.5	-22.08	<0.001	[-28.93, -15.23]
Lac	TOS	AC-2.5	DC-2.61	-16.64	<0.001	[-23.5, -9.792]
Lac	TOS	AC-2.61	DC-0.0	-33.25	<0.001	[-40.1, -26.4]
Lac	TOS	AC-2.61	DC-1.62	-30.83	<0.001	[-37.68, -23.97]
Lac	TOS	AC-2.61	DC-2.13	-30.13	<0.001	[-36.98, -23.28]
Lac	TOS	AC-2.61	DC-2.5	-27.23	<0.001	[-34.08, -20.38]
Lac	TOS	AC-2.61	DC-2.61	-21.79	<0.001	[-28.65, -14.94]
Lac	TOS	DC-0.0	DC-2.61	11.45	<0.001	[4.602, 18.31]
Lac	TOS	DC-1.62	DC-2.61	9.032	0.004	[2.18, 15.88]
Lac	TOS	DC-2.13	DC-2.61	8.336	0.010	[1.484, 15.19]
Lac	OSI	AC-0.0	AC-2.5	16.59	<0.001	[11.06, 22.11]
Lac	OSI	AC-0.0	AC-2.61	21.9	<0.001	[16.38, 27.43]
Lac	OSI	AC-0.0	DC-0.0	-7.149	0.005	[-12.67, -1.623]
Lac	OSI	AC-1.62	AC-2.5	15.33	<0.001	[9.804, 20.85]
Lac	OSI	AC-1.62	AC-2.61	20.64	<0.001	[15.12, 26.17]
Lac	OSI	AC-1.62	DC-0.0	-8.406	<0.001	[-13.93, -2.881]
Lac	OSI	AC-1.62	DC-1.62	-6.216	0.020	[-11.74, -0.6905]
Lac	OSI	AC-1.62	DC-2.13	-5.538	0.049	[-11.06, -0.0123]
Lac	OSI	AC-2.13	AC-2.5	13.6	<0.001	[8.075, 19.13]
Lac	OSI	AC-2.13	AC-2.61	18.91	<0.001	[13.39, 24.44]
Lac	OSI	AC-2.13	DC-0.0	-10.14	<0.001	[-15.66, -4.61]
Lac	OSI	AC-2.13	DC-1.62	-7.945	0.002	[-13.47, -2.42]
Lac	OSI	AC-2.13	DC-2.13	-7.267	0.005	[-12.79, -1.742]
Lac	OSI	AC-2.5	DC-0.0	-23.74	<0.001	[-29.26, -18.21]
Lac	OSI	AC-2.5	DC-1.62	-21.55	<0.001	[-27.07, -16.02]
Lac	OSI	AC-2.5	DC-2.13	-20.87	<0.001	[-26.39, -15.34]
Lac	OSI	AC-2.5	DC-2.5	-18.24	<0.001	[-23.77, -12.72]
Lac	OSI	AC-2.5	DC-2.61	-13.42	<0.001	[-18.94, -7.891]
Lac	OSI	AC-2.61	DC-0.0	-29.05	<0.001	[-34.57, -23.52]
Lac	OSI	AC-2.61	DC-1.62	-26.86	<0.001	[-32.38, -21.33]
Lac	OSI	AC-2.61	DC-2.13	-26.18	<0.001	[-31.71, -20.66]
Lac	OSI	AC-2.61	DC-2.5	-23.56	<0.001	[-29.08, -18.03]
Lac	OSI	AC-2.61	DC-2.61	-18.73	<0.001	[-24.26, -13.2]
Lac	OSI	DC-0.0	DC-2.61	10.32	<0.001	[4.794, 15.84]
Lac	OSI	DC-1.62	DC-2.61	8.129	0.001	[2.603, 13.65]
Lac	OSI	DC-2.13	DC-2.61	7.45	0.004	[1.925, 12.98]
Lac	GSH	AC-0.0	AC-1.62	-0.61	<0.001	[-0.8907, -0.3293]
Lac	GSH	AC-0.0	AC-2.13	-0.34	0.010	[-0.6207, -0.0593]
Lac	GSH	AC-0.0	AC-2.5	-0.49	<0.001	[-0.7707, -0.2093]

Strain	Parameter	Group 1	Group 2	Mean diff.	Adjusted p	95% CI
Lac	GSH	AC-0.0	AC-2.61	-0.59	<0.001	[-0.8707, -0.3093]
Lac	GSH	AC-0.0	DC-1.62	-0.29	0.039	[-0.5707, -0.0093]
Lac	GSH	AC-0.0	DC-2.13	-0.45	<0.001	[-0.7307, -0.1693]
Lac	GSH	AC-0.0	DC-2.5	-0.52	<0.001	[-0.8007, -0.2393]
Lac	GSH	AC-0.0	DC-2.61	-0.57	<0.001	[-0.8507, -0.2893]
Lac	GSH	AC-1.62	DC-0.0	0.6	<0.001	[0.3193, 0.8807]
Lac	GSH	AC-1.62	DC-1.62	0.32	0.018	[0.0393, 0.6007]
Lac	GSH	AC-2.13	DC-0.0	0.33	0.013	[0.0493, 0.6107]
Lac	GSH	AC-2.5	DC-0.0	0.48	<0.001	[0.1993, 0.7607]
Lac	GSH	AC-2.61	DC-0.0	0.58	<0.001	[0.2993, 0.8607]
Lac	GSH	AC-2.61	DC-1.62	0.3	0.030	[0.0193, 0.5807]
Lac	GSH	DC-0.0	DC-2.13	-0.44	<0.001	[-0.7207, -0.1593]
Lac	GSH	DC-0.0	DC-2.5	-0.51	<0.001	[-0.7907, -0.2293]
Lac	GSH	DC-0.0	DC-2.61	-0.56	<0.001	[-0.8407, -0.2793]
Lac	MDA	AC-0.0	AC-2.13	0.28	<0.001	[0.1141, 0.4459]
Lac	MDA	AC-0.0	AC-2.5	0.5	<0.001	[0.3341, 0.6659]
Lac	MDA	AC-0.0	AC-2.61	0.77	<0.001	[0.6041, 0.9359]
Lac	MDA	AC-0.0	DC-1.62	0.23	0.003	[0.0641, 0.3959]
Lac	MDA	AC-0.0	DC-2.13	0.32	<0.001	[0.1541, 0.4859]
Lac	MDA	AC-0.0	DC-2.5	0.47	<0.001	[0.3041, 0.6359]
Lac	MDA	AC-0.0	DC-2.61	0.5	<0.001	[0.3341, 0.6659]
Lac	MDA	AC-1.62	AC-2.5	0.37	<0.001	[0.2041, 0.5359]
Lac	MDA	AC-1.62	AC-2.61	0.64	<0.001	[0.4741, 0.8059]
Lac	MDA	AC-1.62	DC-2.13	0.19	0.017	[0.0241, 0.3559]
Lac	MDA	AC-1.62	DC-2.5	0.34	<0.001	[0.1741, 0.5059]
Lac	MDA	AC-1.62	DC-2.61	0.37	<0.001	[0.2041, 0.5359]
Lac	MDA	AC-2.13	AC-2.5	0.22	0.004	[0.0541, 0.3859]
Lac	MDA	AC-2.13	AC-2.61	0.49	<0.001	[0.3241, 0.6559]
Lac	MDA	AC-2.13	DC-2.5	0.19	0.017	[0.0241, 0.3559]
Lac	MDA	AC-2.13	DC-2.61	0.22	0.004	[0.0541, 0.3859]
Lac	MDA	AC-2.5	AC-2.61	0.27	<0.001	[0.1041, 0.4359]
Lac	MDA	AC-2.5	DC-0.0	-0.36	<0.001	[-0.5259, -0.1941]
Lac	MDA	AC-2.5	DC-1.62	-0.27	<0.001	[-0.4359, -0.1041]
Lac	MDA	AC-2.5	DC-2.13	-0.18	0.027	[-0.3459, -0.0141]
Lac	MDA	AC-2.61	DC-0.0	-0.63	<0.001	[-0.7959, -0.4641]
Lac	MDA	AC-2.61	DC-1.62	-0.54	<0.001	[-0.7059, -0.3741]
Lac	MDA	AC-2.61	DC-2.13	-0.45	<0.001	[-0.6159, -0.2841]
Lac	MDA	AC-2.61	DC-2.5	-0.3	<0.001	[-0.4659, -0.1341]
Lac	MDA	AC-2.61	DC-2.61	-0.27	<0.001	[-0.4359, -0.1041]
Lac	MDA	DC-0.0	DC-2.13	0.18	0.027	[0.0141, 0.3459]
Lac	MDA	DC-0.0	DC-2.5	0.33	<0.001	[0.1641, 0.4959]
Lac	MDA	DC-0.0	DC-2.61	0.36	<0.001	[0.1941, 0.5259]
Lac	MDA	DC-1.62	DC-2.5	0.24	0.002	[0.0741, 0.4059]
Lac	MDA	DC-1.62	DC-2.61	0.27	<0.001	[0.1041, 0.4359]
Lac	MDA	DC-2.13	DC-2.61	0.18	0.027	[0.0141, 0.3459]
Lac	% Fragmentation	0.0	1.62	4.508	<0.001	[1.657, 7.359]
Lac	% Fragmentation	0.0	2.13	6.616	<0.001	[3.765, 9.467]
Lac	% Fragmentation	0.0	2.5	8.093	<0.001	[5.242, 10.94]
Lac	% Fragmentation	0.0	2.61	12.6	<0.001	[9.749, 15.45]
Lac	% Fragmentation	1.62	2.5	3.585	0.009	[0.734, 6.436]
Lac	% Fragmentation	1.62	2.61	8.091	<0.001	[5.241, 10.94]
Lac	% Fragmentation	2.13	2.61	5.984	<0.001	[3.133, 8.834]
Lac	% Fragmentation	2.5	2.61	4.507	<0.001	[1.656, 7.357]
Lac	%Growth	0.0	2.5	0.049	0.044	[0.0009, 0.0971]
Lac	%Growth	0.0	2.61	0.0565	0.016	[0.0084, 0.1046]
Lac	%Growth	1.62	2.61	0.0505	0.036	[0.0024, 0.0986]

Strain	Parameter	Group 1	Group 2	Mean diff.	Adjusted p	95% CI
Lpe	TOS	0.0	2.13	8.668	<0.001	[4.5, 12.84]
Lpe	TOS	0.0	2.5	18.46	<0.001	[14.3, 22.63]
Lpe	TOS	0.0	2.61	24.65	<0.001	[20.48, 28.82]
Lpe	TOS	1.62	2.13	5.645	0.004	[1.477, 9.813]
Lpe	TOS	1.62	2.5	15.44	<0.001	[11.27, 19.61]
Lpe	TOS	1.62	2.61	21.62	<0.001	[17.46, 25.79]
Lpe	TOS	2.13	2.5	9.796	<0.001	[5.627, 13.96]
Lpe	TOS	2.13	2.61	15.98	<0.001	[11.81, 20.15]
Lpe	TOS	2.5	2.61	6.184	0.002	[2.016, 10.35]
Lpe	OSI	0.0	2.13	7.452	<0.001	[4.053, 10.85]
Lpe	OSI	0.0	2.5	15.63	<0.001	[12.23, 19.02]
Lpe	OSI	0.0	2.61	21.14	<0.001	[17.74, 24.54]
Lpe	OSI	1.62	2.13	4.856	0.003	[1.457, 8.255]
Lpe	OSI	1.62	2.5	13.03	<0.001	[9.63, 16.43]
Lpe	OSI	1.62	2.61	18.54	<0.001	[15.14, 21.94]
Lpe	OSI	2.13	2.5	8.174	<0.001	[4.774, 11.57]
Lpe	OSI	2.13	2.61	13.69	<0.001	[10.29, 17.09]
Lpe	OSI	2.5	2.61	5.514	<0.001	[2.114, 8.913]
Lpe	GSH	0.0	1.62	-1.405	<0.001	[-2.152, -0.6584]
Lpe	GSH	0.0	2.13	-1.49	<0.001	[-2.237, -0.7434]
Lpe	GSH	0.0	2.5	-1.595	<0.001	[-2.342, -0.8484]
Lpe	GSH	0.0	2.61	-1.685	<0.001	[-2.432, -0.9384]
Lpe	MDA	AC-0.0	AC-2.13	0.33	<0.001	[0.1589, 0.5011]
Lpe	MDA	AC-0.0	AC-2.5	0.39	<0.001	[0.2189, 0.5611]
Lpe	MDA	AC-0.0	AC-2.61	0.48	<0.001	[0.3089, 0.6511]
Lpe	MDA	AC-0.0	DC-2.61	0.2	0.014	[0.0289, 0.3711]
Lpe	MDA	AC-1.62	AC-2.5	0.23	0.004	[0.0589, 0.4011]
Lpe	MDA	AC-1.62	AC-2.61	0.32	<0.001	[0.1489, 0.4911]
Lpe	MDA	AC-1.62	DC-0.0	-0.23	0.004	[-0.4011, -0.0589]
Lpe	MDA	AC-1.62	DC-1.62	-0.19	0.022	[-0.3611, -0.0189]
Lpe	MDA	AC-2.13	DC-0.0	-0.4	<0.001	[-0.5711, -0.2289]
Lpe	MDA	AC-2.13	DC-1.62	-0.36	<0.001	[-0.5311, -0.1889]
Lpe	MDA	AC-2.13	DC-2.13	-0.29	<0.001	[-0.4611, -0.1189]
Lpe	MDA	AC-2.13	DC-2.5	-0.19	0.022	[-0.3611, -0.0189]
Lpe	MDA	AC-2.5	DC-0.0	-0.46	<0.001	[-0.6311, -0.2889]
Lpe	MDA	AC-2.5	DC-1.62	-0.42	<0.001	[-0.5911, -0.2489]
Lpe	MDA	AC-2.5	DC-2.13	-0.35	<0.001	[-0.5211, -0.1789]
Lpe	MDA	AC-2.5	DC-2.5	-0.25	0.002	[-0.4211, -0.0789]
Lpe	MDA	AC-2.5	DC-2.61	-0.19	0.022	[-0.3611, -0.0189]
Lpe	MDA	AC-2.61	DC-0.0	-0.55	<0.001	[-0.7211, -0.3789]
Lpe	MDA	AC-2.61	DC-1.62	-0.51	<0.001	[-0.6811, -0.3389]
Lpe	MDA	AC-2.61	DC-2.13	-0.44	<0.001	[-0.6111, -0.2689]
Lpe	MDA	AC-2.61	DC-2.5	-0.34	<0.001	[-0.5111, -0.1689]
Lpe	MDA	AC-2.61	DC-2.61	-0.28	<0.001	[-0.4511, -0.1089]
Lpe	MDA	DC-0.0	DC-2.5	0.21	0.009	[0.0389, 0.3811]
Lpe	MDA	DC-0.0	DC-2.61	0.27	<0.001	[0.0989, 0.4411]
Lpe	MDA	DC-1.62	DC-2.61	0.23	0.004	[0.0589, 0.4011]
Lpe	% Fragmentation	0.0	1.62	6.083	<0.001	[2.708, 9.458]
Lpe	% Fragmentation	0.0	2.13	9.418	<0.001	[6.043, 12.79]
Lpe	% Fragmentation	0.0	2.5	10.73	<0.001	[7.355, 14.1]
Lpe	% Fragmentation	0.0	2.61	11.84	<0.001	[8.468, 15.22]
Lpe	% Fragmentation	1.62	2.5	4.647	0.004	[1.272, 8.022]
Lpe	% Fragmentation	1.62	2.61	5.76	<0.001	[2.385, 9.135]
Lpe	%Growth	0.0	2.61	0.07	0.022	[0.0077, 0.1323]
Lca	TOS	AC-0.0	AC-2.13	14.89	<0.001	[8.255, 21.53]
Lca	TOS	AC-0.0	AC-2.5	16.5	<0.001	[9.86, 23.13]

Strain	Parameter	Group 1	Group 2	Mean diff.	Adjusted p	95% CI
Lca	TOS	AC-0.0	AC-2.61	30	<0.001	[23.37, 36.64]
Lca	TOS	AC-0.0	DC-2.13	8.402	0.007	[1.766, 15.04]
Lca	TOS	AC-0.0	DC-2.5	14.89	<0.001	[8.256, 21.53]
Lca	TOS	AC-0.0	DC-2.61	21.75	<0.001	[15.11, 28.38]
Lca	TOS	AC-1.62	AC-2.13	10.89	<0.001	[4.258, 17.53]
Lca	TOS	AC-1.62	AC-2.5	12.5	<0.001	[5.863, 19.14]
Lca	TOS	AC-1.62	AC-2.61	26.01	<0.001	[19.37, 32.64]
Lca	TOS	AC-1.62	DC-2.5	10.9	<0.001	[4.259, 17.53]
Lca	TOS	AC-1.62	DC-2.61	17.75	<0.001	[11.11, 24.39]
Lca	TOS	AC-2.13	AC-2.61	15.11	<0.001	[8.475, 21.75]
Lca	TOS	AC-2.13	DC-0.0	-16.57	<0.001	[-23.2, -9.929]
Lca	TOS	AC-2.13	DC-1.62	-11.96	<0.001	[-18.6, -5.328]
Lca	TOS	AC-2.13	DC-2.61	6.854	0.039	[0.2183, 13.49]
Lca	TOS	AC-2.5	AC-2.61	13.51	<0.001	[6.87, 20.14]
Lca	TOS	AC-2.5	DC-0.0	-18.17	<0.001	[-24.81, -11.53]
Lca	TOS	AC-2.5	DC-1.62	-13.57	<0.001	[-20.21, -6.933]
Lca	TOS	AC-2.5	DC-2.13	-8.094	0.010	[-14.73, -1.458]
Lca	TOS	AC-2.61	DC-0.0	-31.68	<0.001	[-38.31, -25.04]
Lca	TOS	AC-2.61	DC-1.62	-27.08	<0.001	[-33.71, -20.44]
Lca	TOS	AC-2.61	DC-2.13	-21.6	<0.001	[-28.24, -14.96]
Lca	TOS	AC-2.61	DC-2.5	-15.11	<0.001	[-21.75, -8.474]
Lca	TOS	AC-2.61	DC-2.61	-8.257	0.008	[-14.89, -1.62]
Lca	TOS	DC-0.0	DC-2.13	10.08	0.001	[3.439, 16.71]
Lca	TOS	DC-0.0	DC-2.5	16.57	<0.001	[9.93, 23.2]
Lca	TOS	DC-0.0	DC-2.61	23.42	<0.001	[16.78, 30.06]
Lca	TOS	DC-1.62	DC-2.5	11.97	<0.001	[5.329, 18.6]
Lca	TOS	DC-1.62	DC-2.61	18.82	<0.001	[12.18, 25.46]
Lca	TOS	DC-2.13	DC-2.61	13.34	<0.001	[6.708, 19.98]
Lca	TOS	DC-2.5	DC-2.61	6.854	0.039	[0.2176, 13.49]
Lca	OSI	AC-0.0	AC-2.13	12.46	<0.001	[7.519, 17.4]
Lca	OSI	AC-0.0	AC-2.5	14.08	<0.001	[9.14, 19.02]
Lca	OSI	AC-0.0	AC-2.61	25.96	<0.001	[21.02, 30.9]
Lca	OSI	AC-0.0	DC-2.13	6.246	0.007	[1.308, 11.19]
Lca	OSI	AC-0.0	DC-2.5	11.6	<0.001	[6.657, 16.53]
Lca	OSI	AC-0.0	DC-2.61	19.46	<0.001	[14.52, 24.4]
Lca	OSI	AC-1.62	AC-2.13	9.14	<0.001	[4.202, 14.08]
Lca	OSI	AC-1.62	AC-2.5	10.76	<0.001	[5.822, 15.7]
Lca	OSI	AC-1.62	AC-2.61	22.64	<0.001	[17.7, 27.58]
Lca	OSI	AC-1.62	DC-2.5	8.278	<0.001	[3.339, 13.22]
Lca	OSI	AC-1.62	DC-2.61	16.14	<0.001	[11.2, 21.08]
Lca	OSI	AC-2.13	AC-2.61	13.5	<0.001	[8.561, 18.44]
Lca	OSI	AC-2.13	DC-0.0	-13.86	<0.001	[-18.8, -8.923]
Lca	OSI	AC-2.13	DC-1.62	-10.4	<0.001	[-15.33, -5.457]
Lca	OSI	AC-2.13	DC-2.13	-6.211	0.007	[-11.15, -1.273]
Lca	OSI	AC-2.13	DC-2.61	6.999	0.002	[2.061, 11.94]
Lca	OSI	AC-2.5	AC-2.61	11.88	<0.001	[6.941, 16.82]
Lca	OSI	AC-2.5	DC-0.0	-15.48	<0.001	[-20.42, -10.54]
Lca	OSI	AC-2.5	DC-1.62	-12.02	<0.001	[-16.95, -7.077]
Lca	OSI	AC-2.5	DC-2.13	-7.832	<0.001	[-12.77, -2.893]
Lca	OSI	AC-2.5	DC-2.61	5.379	0.026	[0.4403, 10.32]
Lca	OSI	AC-2.61	DC-0.0	-27.36	<0.001	[-32.3, -22.42]
Lca	OSI	AC-2.61	DC-1.62	-23.9	<0.001	[-28.83, -18.96]
Lca	OSI	AC-2.61	DC-2.13	-19.71	<0.001	[-24.65, -14.77]
Lca	OSI	AC-2.61	DC-2.5	-14.36	<0.001	[-19.3, -9.424]
Lca	OSI	AC-2.61	DC-2.61	-6.5	0.005	[-11.44, -1.562]
Lca	OSI	DC-0.0	DC-2.13	7.651	<0.001	[2.712, 12.59]

Strain	Parameter	Group 1	Group 2	Mean diff.	Adjusted p	95% CI
Lca	OSI	DC-0.0	DC-2.5	13	<0.001	[8.061, 17.94]
Lca	OSI	DC-0.0	DC-2.61	20.86	<0.001	[15.92, 25.8]
Lca	OSI	DC-1.62	DC-2.5	9.534	<0.001	[4.595, 14.47]
Lca	OSI	DC-1.62	DC-2.61	17.4	<0.001	[12.46, 22.33]
Lca	OSI	DC-2.13	DC-2.5	5.349	0.027	[0.4104, 10.29]
Lca	OSI	DC-2.13	DC-2.61	13.21	<0.001	[8.272, 18.15]
Lca	OSI	DC-2.5	DC-2.61	7.862	<0.001	[2.923, 12.8]
Lca	GSH	0.0	2.5	-1.1	0.032	[-2.129, -0.0707]
Lca	GSH	0.0	2.61	-1.41	0.004	[-2.439, -0.3807]
Lca	MDA	0.0	1.62	0.295	0.002	[0.0933, 0.4967]
Lca	MDA	0.0	2.13	0.43	<0.001	[0.2283, 0.6317]
Lca	MDA	0.0	2.5	0.59	<0.001	[0.3883, 0.7917]
Lca	MDA	0.0	2.61	0.975	<0.001	[0.7733, 1.177]
Lca	MDA	1.62	2.5	0.295	0.002	[0.0933, 0.4967]
Lca	MDA	1.62	2.61	0.68	<0.001	[0.4783, 0.8817]
Lca	MDA	2.13	2.61	0.545	<0.001	[0.3433, 0.7467]
Lca	MDA	2.5	2.61	0.385	<0.001	[0.1833, 0.5867]
Lca	% Fragmentation	AC-0.0	AC-2.61	6.901	<0.001	[3.695, 10.11]
Lca	% Fragmentation	AC-0.0	DC-0.0	-4.138	0.006	[-7.344, -0.9319]
Lca	% Fragmentation	AC-0.0	DC-2.13	7.531	<0.001	[4.325, 10.74]
Lca	% Fragmentation	AC-0.0	DC-2.5	9.802	<0.001	[6.596, 13.01]
Lca	% Fragmentation	AC-0.0	DC-2.61	10.94	<0.001	[7.737, 14.15]
Lca	% Fragmentation	AC-1.62	AC-2.61	5.736	<0.001	[2.53, 8.942]
Lca	% Fragmentation	AC-1.62	DC-0.0	-5.303	<0.001	[-8.509, -2.097]
Lca	% Fragmentation	AC-1.62	DC-2.13	6.366	<0.001	[3.16, 9.572]
Lca	% Fragmentation	AC-1.62	DC-2.5	8.636	<0.001	[5.431, 11.84]
Lca	% Fragmentation	AC-1.62	DC-2.61	9.777	<0.001	[6.572, 12.98]
Lca	% Fragmentation	AC-2.13	AC-2.61	5.21	<0.001	[2.004, 8.415]
Lca	% Fragmentation	AC-2.13	DC-0.0	-5.829	<0.001	[-9.035, -2.623]
Lca	% Fragmentation	AC-2.13	DC-2.13	5.84	<0.001	[2.634, 9.046]
Lca	% Fragmentation	AC-2.13	DC-2.5	8.11	<0.001	[4.904, 11.32]
Lca	% Fragmentation	AC-2.13	DC-2.61	9.251	<0.001	[6.045, 12.46]
Lca	% Fragmentation	AC-2.5	AC-2.61	4.113	0.006	[0.907, 7.319]
Lca	% Fragmentation	AC-2.5	DC-0.0	-6.926	<0.001	[-10.13, -3.72]
Lca	% Fragmentation	AC-2.5	DC-1.62	-3.573	0.021	[-6.779, -0.3669]
Lca	% Fragmentation	AC-2.5	DC-2.13	4.744	0.001	[1.538, 7.949]
Lca	% Fragmentation	AC-2.5	DC-2.5	7.014	<0.001	[3.808, 10.22]
Lca	% Fragmentation	AC-2.5	DC-2.61	8.155	<0.001	[4.949, 11.36]
Lca	% Fragmentation	AC-2.61	DC-0.0	-11.04	<0.001	[-14.24, -7.832]
Lca	% Fragmentation	AC-2.61	DC-1.62	-7.686	<0.001	[-10.89, -4.48]
Lca	% Fragmentation	AC-2.61	DC-2.61	4.042	0.007	[0.836, 7.248]
Lca	% Fragmentation	DC-0.0	DC-1.62	3.353	0.036	[0.1468, 6.559]
Lca	% Fragmentation	DC-0.0	DC-2.13	11.67	<0.001	[8.463, 14.88]
Lca	% Fragmentation	DC-0.0	DC-2.5	13.94	<0.001	[10.73, 17.15]
Lca	% Fragmentation	DC-0.0	DC-2.61	15.08	<0.001	[11.87, 18.29]
Lca	% Fragmentation	DC-1.62	DC-2.13	8.316	<0.001	[5.11, 11.52]
Lca	% Fragmentation	DC-1.62	DC-2.5	10.59	<0.001	[7.381, 13.79]
Lca	% Fragmentation	DC-1.62	DC-2.61	11.73	<0.001	[8.522, 14.93]
Lca	% Fragmentation	DC-2.13	DC-2.61	3.411	0.031	[0.2054, 6.617]
Lca	DNA 260	0.0	2.61	0.346	0.018	[0.0467, 0.6453]
Lca	DNA 260	1.62	2.61	0.3325	0.024	[0.0332, 0.6318]
Lrh	TOS	AC-0.0	AC-1.62	3.587	0.005	[0.8444, 6.329]
Lrh	TOS	AC-0.0	AC-2.13	6.643	<0.001	[3.901, 9.386]
Lrh	TOS	AC-0.0	AC-2.5	10.96	<0.001	[8.218, 13.7]
Lrh	TOS	AC-0.0	AC-2.61	17.61	<0.001	[14.87, 20.35]
Lrh	TOS	AC-0.0	DC-0.0	-3.569	0.005	[-6.311, -0.8269]

Strain	Parameter	Group 1	Group 2	Mean diff.	Adjusted p	95% CI
Lrh	TOS	AC-0.0	DC-2.13	4.438	<0.001	[1.696, 7.181]
Lrh	TOS	AC-0.0	DC-2.5	7.581	<0.001	[4.839, 10.32]
Lrh	TOS	AC-0.0	DC-2.61	12.25	<0.001	[9.503, 14.99]
Lrh	TOS	AC-1.62	AC-2.13	3.057	0.021	[0.3148, 5.799]
Lrh	TOS	AC-1.62	AC-2.5	7.373	<0.001	[4.631, 10.12]
Lrh	TOS	AC-1.62	AC-2.61	14.02	<0.001	[11.28, 16.77]
Lrh	TOS	AC-1.62	DC-0.0	-7.156	<0.001	[-9.898, -4.413]
Lrh	TOS	AC-1.62	DC-2.5	3.994	0.002	[1.252, 6.737]
Lrh	TOS	AC-1.62	DC-2.61	8.659	<0.001	[5.917, 11.4]
Lrh	TOS	AC-2.13	AC-2.5	4.316	<0.001	[1.574, 7.058]
Lrh	TOS	AC-2.13	AC-2.61	10.97	<0.001	[8.225, 13.71]
Lrh	TOS	AC-2.13	DC-0.0	-10.21	<0.001	[-12.95, -7.47]
Lrh	TOS	AC-2.13	DC-1.62	-4.957	<0.001	[-7.699, -2.215]
Lrh	TOS	AC-2.13	DC-2.61	5.602	<0.001	[2.86, 8.344]
Lrh	TOS	AC-2.5	AC-2.61	6.651	<0.001	[3.909, 9.393]
Lrh	TOS	AC-2.5	DC-0.0	-14.53	<0.001	[-17.27, -11.79]
Lrh	TOS	AC-2.5	DC-1.62	-9.273	<0.001	[-12.02, -6.531]
Lrh	TOS	AC-2.5	DC-2.13	-6.521	<0.001	[-9.263, -3.779]
Lrh	TOS	AC-2.5	DC-2.5	-3.379	0.009	[-6.121, -0.6366]
Lrh	TOS	AC-2.61	DC-0.0	-21.18	<0.001	[-23.92, -18.44]
Lrh	TOS	AC-2.61	DC-1.62	-15.92	<0.001	[-18.67, -13.18]
Lrh	TOS	AC-2.61	DC-2.13	-13.17	<0.001	[-15.91, -10.43]
Lrh	TOS	AC-2.61	DC-2.5	-10.03	<0.001	[-12.77, -7.287]
Lrh	TOS	AC-2.61	DC-2.61	-5.365	<0.001	[-8.107, -2.623]
Lrh	TOS	DC-0.0	DC-1.62	5.256	<0.001	[2.513, 7.998]
Lrh	TOS	DC-0.0	DC-2.13	8.008	<0.001	[5.265, 10.75]
Lrh	TOS	DC-0.0	DC-2.5	11.15	<0.001	[8.408, 13.89]
Lrh	TOS	DC-0.0	DC-2.61	15.81	<0.001	[13.07, 18.56]
Lrh	TOS	DC-1.62	DC-2.13	2.752	0.049	[0.0098, 5.494]
Lrh	TOS	DC-1.62	DC-2.5	5.894	<0.001	[3.152, 8.637]
Lrh	TOS	DC-1.62	DC-2.61	10.56	<0.001	[7.817, 13.3]
Lrh	TOS	DC-2.13	DC-2.5	3.143	0.017	[0.4005, 5.885]
Lrh	TOS	DC-2.13	DC-2.61	7.807	<0.001	[5.065, 10.55]
Lrh	TOS	DC-2.5	DC-2.61	4.664	<0.001	[1.922, 7.407]
Lrh	OSI	AC-0.0	AC-1.62	2.806	0.036	[0.1254, 5.487]
Lrh	OSI	AC-0.0	AC-2.13	5.548	<0.001	[2.868, 8.229]
Lrh	OSI	AC-0.0	AC-2.5	9.17	<0.001	[6.489, 11.85]
Lrh	OSI	AC-0.0	AC-2.61	15.91	<0.001	[13.23, 18.59]
Lrh	OSI	AC-0.0	DC-2.13	4.189	<0.001	[1.509, 6.87]
Lrh	OSI	AC-0.0	DC-2.5	7.077	<0.001	[4.396, 9.757]
Lrh	OSI	AC-0.0	DC-2.61	11.26	<0.001	[8.584, 13.95]
Lrh	OSI	AC-1.62	AC-2.13	2.742	0.042	[0.0616, 5.423]
Lrh	OSI	AC-1.62	AC-2.5	6.364	<0.001	[3.683, 9.045]
Lrh	OSI	AC-1.62	AC-2.61	13.11	<0.001	[10.43, 15.79]
Lrh	OSI	AC-1.62	DC-0.0	-5.377	<0.001	[-8.057, -2.696]
Lrh	OSI	AC-1.62	DC-2.5	4.271	<0.001	[1.59, 6.951]
Lrh	OSI	AC-1.62	DC-2.61	8.459	<0.001	[5.778, 11.14]
Lrh	OSI	AC-2.13	AC-2.5	3.622	0.004	[0.9412, 6.302]
Lrh	OSI	AC-2.13	AC-2.61	10.36	<0.001	[7.684, 13.05]
Lrh	OSI	AC-2.13	DC-0.0	-8.119	<0.001	[-10.8, -5.438]
Lrh	OSI	AC-2.13	DC-1.62	-3.801	0.002	[-6.482, -1.121]
Lrh	OSI	AC-2.13	DC-2.61	5.716	<0.001	[3.036, 8.397]
Lrh	OSI	AC-2.5	AC-2.61	6.743	<0.001	[4.062, 9.423]
Lrh	OSI	AC-2.5	DC-0.0	-11.74	<0.001	[-14.42, -9.06]
Lrh	OSI	AC-2.5	DC-1.62	-7.423	<0.001	[-10.1, -4.742]
Lrh	OSI	AC-2.5	DC-2.13	-4.981	<0.001	[-7.661, -2.3]

Strain	Parameter	Group 1	Group 2	Mean diff.	Adjusted p	95% CI
Lrh	OSI	AC-2.61	DC-0.0	-18.48	<0.001	[-21.16, -15.8]
Lrh	OSI	AC-2.61	DC-1.62	-14.17	<0.001	[-16.85, -11.49]
Lrh	OSI	AC-2.61	DC-2.13	-11.72	<0.001	[-14.4, -9.043]
Lrh	OSI	AC-2.61	DC-2.5	-8.836	<0.001	[-11.52, -6.156]
Lrh	OSI	AC-2.61	DC-2.61	-4.648	<0.001	[-7.329, -1.968]
Lrh	OSI	DC-0.0	DC-1.62	4.318	<0.001	[1.637, 6.998]
Lrh	OSI	DC-0.0	DC-2.13	6.76	<0.001	[4.08, 9.441]
Lrh	OSI	DC-0.0	DC-2.5	9.647	<0.001	[6.967, 12.33]
Lrh	OSI	DC-0.0	DC-2.61	13.84	<0.001	[11.15, 16.52]
Lrh	OSI	DC-1.62	DC-2.5	5.33	<0.001	[2.649, 8.01]
Lrh	OSI	DC-1.62	DC-2.61	9.518	<0.001	[6.837, 12.2]
Lrh	OSI	DC-2.13	DC-2.5	2.887	0.029	[0.2066, 5.568]
Lrh	OSI	DC-2.13	DC-2.61	7.075	<0.001	[4.395, 9.756]
Lrh	OSI	DC-2.5	DC-2.61	4.188	<0.001	[1.507, 6.869]
Lrh	GSH	0.0	2.5	-1.005	0.012	[-1.836, -0.1737]
Lrh	GSH	0.0	2.61	-0.975	0.016	[-1.806, -0.1437]
Lrh	MDA	0.0	2.5	0.51	0.026	[0.0458, 0.9742]
Lrh	MDA	0.0	2.61	0.64	0.004	[0.1758, 1.104]
Lrh	% Fragmentation	AC-0.0	AC-2.5	11.24	<0.001	[7.191, 15.29]
Lrh	% Fragmentation	AC-0.0	AC-2.61	12.79	<0.001	[8.744, 16.84]
Lrh	% Fragmentation	AC-0.0	DC-1.62	5.454	0.004	[1.405, 9.503]
Lrh	% Fragmentation	AC-0.0	DC-2.13	6.991	<0.001	[2.942, 11.04]
Lrh	% Fragmentation	AC-0.0	DC-2.5	9.016	<0.001	[4.967, 13.06]
Lrh	% Fragmentation	AC-0.0	DC-2.61	14.04	<0.001	[9.995, 18.09]
Lrh	% Fragmentation	AC-1.62	AC-2.5	9.126	<0.001	[5.076, 13.17]
Lrh	% Fragmentation	AC-1.62	AC-2.61	10.68	<0.001	[6.63, 14.73]
Lrh	% Fragmentation	AC-1.62	DC-2.13	4.876	0.011	[0.827, 8.925]
Lrh	% Fragmentation	AC-1.62	DC-2.5	6.901	<0.001	[2.852, 10.95]
Lrh	% Fragmentation	AC-1.62	DC-2.61	11.93	<0.001	[7.881, 15.98]
Lrh	% Fragmentation	AC-2.13	AC-2.5	8.496	<0.001	[4.447, 12.55]
Lrh	% Fragmentation	AC-2.13	AC-2.61	10.05	<0.001	[6, 14.1]
Lrh	% Fragmentation	AC-2.13	DC-2.13	4.247	0.035	[0.1977, 8.296]
Lrh	% Fragmentation	AC-2.13	DC-2.5	6.272	<0.001	[2.223, 10.32]
Lrh	% Fragmentation	AC-2.13	DC-2.61	11.3	<0.001	[7.252, 15.35]
Lrh	% Fragmentation	AC-2.5	DC-0.0	-9.215	<0.001	[-13.26, -5.165]
Lrh	% Fragmentation	AC-2.5	DC-1.62	-5.786	0.002	[-9.835, -1.737]
Lrh	% Fragmentation	AC-2.5	DC-2.13	-4.249	0.035	[-8.299, -0.2003]
Lrh	% Fragmentation	AC-2.61	DC-0.0	-10.77	<0.001	[-14.82, -6.719]
Lrh	% Fragmentation	AC-2.61	DC-1.62	-7.34	<0.001	[-11.39, -3.291]
Lrh	% Fragmentation	AC-2.61	DC-2.13	-5.803	0.002	[-9.852, -1.754]
Lrh	% Fragmentation	DC-0.0	DC-2.13	4.965	0.009	[0.916, 9.014]
Lrh	% Fragmentation	DC-0.0	DC-2.5	6.99	<0.001	[2.941, 11.04]
Lrh	% Fragmentation	DC-0.0	DC-2.61	12.02	<0.001	[7.97, 16.07]
Lrh	% Fragmentation	DC-1.62	DC-2.61	8.591	<0.001	[4.542, 12.64]
Lrh	% Fragmentation	DC-2.13	DC-2.61	7.054	<0.001	[3.005, 11.1]
Lrh	% Fragmentation	DC-2.5	DC-2.61	5.029	0.008	[0.9794, 9.078]
Lrh	%Growth	0.0	2.61	0.083	0.016	[0.012, 0.154]
Lrh	DNA 260	AC-0.0	DC-2.13	0.317	0.026	[0.0265, 0.6075]
Lrh	DNA 260	AC-0.0	DC-2.5	0.348	0.011	[0.0575, 0.6385]
Lrh	DNA 260	AC-0.0	DC-2.61	0.813	<0.001	[0.5225, 1.103]
Lrh	DNA 260	AC-1.62	DC-2.5	0.293	0.047	[0.0025, 0.5835]
Lrh	DNA 260	AC-1.62	DC-2.61	0.758	<0.001	[0.4675, 1.048]
Lrh	DNA 260	AC-2.13	DC-2.61	0.738	<0.001	[0.4475, 1.028]
Lrh	DNA 260	AC-2.5	DC-2.61	0.737	<0.001	[0.4465, 1.028]
Lrh	DNA 260	AC-2.61	DC-2.61	0.598	<0.001	[0.3075, 0.8885]
Lrh	DNA 260	DC-0.0	DC-2.61	0.724	<0.001	[0.4335, 1.014]

Strain	Parameter	Group 1	Group 2	Mean diff.	Adjusted p	95% CI
Lrh	DNA 260	DC-1.62	DC-2.61	0.55	<0.001	[0.2595, 0.8405]
Lrh	DNA 260	DC-2.13	DC-2.61	0.496	<0.001	[0.2055, 0.7865]
Lrh	DNA 260	DC-2.5	DC-2.61	0.465	<0.001	[0.1745, 0.7555]
Lbu	TOS	AC-0.0	AC-2.13	11.83	<0.001	[5.891, 17.78]
Lbu	TOS	AC-0.0	AC-2.5	15.65	<0.001	[9.704, 21.59]
Lbu	TOS	AC-0.0	AC-2.61	24.88	<0.001	[18.94, 30.82]
Lbu	TOS	AC-0.0	DC-2.13	11.33	<0.001	[5.388, 17.27]
Lbu	TOS	AC-0.0	DC-2.5	16.81	<0.001	[10.87, 22.76]
Lbu	TOS	AC-0.0	DC-2.61	19.82	<0.001	[13.88, 25.76]
Lbu	TOS	AC-1.62	AC-2.5	9.753	<0.001	[3.81, 15.7]
Lbu	TOS	AC-1.62	AC-2.61	18.99	<0.001	[13.04, 24.93]
Lbu	TOS	AC-1.62	DC-2.5	10.92	<0.001	[4.975, 16.86]
Lbu	TOS	AC-1.62	DC-2.61	13.92	<0.001	[7.982, 19.87]
Lbu	TOS	AC-2.13	AC-2.61	13.05	<0.001	[7.103, 18.99]
Lbu	TOS	AC-2.13	DC-0.0	-8.379	0.002	[-14.32, -2.436]
Lbu	TOS	AC-2.13	DC-1.62	-6.019	0.046	[-11.96, -0.0765]
Lbu	TOS	AC-2.13	DC-2.61	7.986	0.004	[2.042, 13.93]
Lbu	TOS	AC-2.5	AC-2.61	9.233	<0.001	[3.29, 15.18]
Lbu	TOS	AC-2.5	DC-0.0	-12.19	<0.001	[-18.14, -6.249]
Lbu	TOS	AC-2.5	DC-1.62	-9.833	<0.001	[-15.78, -3.89]
Lbu	TOS	AC-2.61	DC-0.0	-21.43	<0.001	[-27.37, -15.48]
Lbu	TOS	AC-2.61	DC-1.62	-19.07	<0.001	[-25.01, -13.12]
Lbu	TOS	AC-2.61	DC-2.13	-13.55	<0.001	[-19.49, -7.606]
Lbu	TOS	AC-2.61	DC-2.5	-8.068	0.003	[-14.01, -2.125]
Lbu	TOS	DC-0.0	DC-2.13	7.876	0.004	[1.933, 13.82]
Lbu	TOS	DC-0.0	DC-2.5	13.36	<0.001	[7.415, 19.3]
Lbu	TOS	DC-0.0	DC-2.61	16.36	<0.001	[10.42, 22.31]
Lbu	TOS	DC-1.62	DC-2.5	11	<0.001	[5.055, 16.94]
Lbu	TOS	DC-1.62	DC-2.61	14	<0.001	[8.062, 19.95]
Lbu	TOS	DC-2.13	DC-2.61	8.488	0.002	[2.545, 14.43]
Lbu	OSI	AC-0.0	AC-2.13	9.331	<0.001	[4.866, 13.8]
Lbu	OSI	AC-0.0	AC-2.5	12.94	<0.001	[8.478, 17.41]
Lbu	OSI	AC-0.0	AC-2.61	20.78	<0.001	[16.31, 25.24]
Lbu	OSI	AC-0.0	DC-1.62	4.594	0.041	[0.1283, 9.059]
Lbu	OSI	AC-0.0	DC-2.13	9.51	<0.001	[5.044, 13.98]
Lbu	OSI	AC-0.0	DC-2.5	14.35	<0.001	[9.888, 18.82]
Lbu	OSI	AC-0.0	DC-2.61	17.53	<0.001	[13.06, 22]
Lbu	OSI	AC-1.62	AC-2.13	4.895	0.025	[0.4294, 9.361]
Lbu	OSI	AC-1.62	AC-2.5	8.508	<0.001	[4.042, 12.97]
Lbu	OSI	AC-1.62	AC-2.61	16.34	<0.001	[11.87, 20.8]
Lbu	OSI	AC-1.62	DC-2.13	5.073	0.018	[0.6078, 9.539]
Lbu	OSI	AC-1.62	DC-2.5	9.917	<0.001	[5.452, 14.38]
Lbu	OSI	AC-1.62	DC-2.61	13.09	<0.001	[8.629, 17.56]
Lbu	OSI	AC-2.13	AC-2.61	11.44	<0.001	[6.979, 15.91]
Lbu	OSI	AC-2.13	DC-0.0	-6.76	0.001	[-11.23, -2.294]
Lbu	OSI	AC-2.13	DC-1.62	-4.737	0.032	[-9.203, -0.2719]
Lbu	OSI	AC-2.13	DC-2.5	5.022	0.020	[0.5565, 9.488]
Lbu	OSI	AC-2.13	DC-2.61	8.199	<0.001	[3.734, 12.66]
Lbu	OSI	AC-2.5	AC-2.61	7.832	<0.001	[3.366, 12.3]
Lbu	OSI	AC-2.5	DC-0.0	-10.37	<0.001	[-14.84, -5.907]
Lbu	OSI	AC-2.5	DC-1.62	-8.35	<0.001	[-12.82, -3.884]
Lbu	OSI	AC-2.5	DC-2.61	4.587	0.041	[0.121, 9.052]
Lbu	OSI	AC-2.61	DC-0.0	-18.2	<0.001	[-22.67, -13.74]
Lbu	OSI	AC-2.61	DC-1.62	-16.18	<0.001	[-20.65, -11.72]
Lbu	OSI	AC-2.61	DC-2.13	-11.27	<0.001	[-15.73, -6.8]
Lbu	OSI	AC-2.61	DC-2.5	-6.422	0.002	[-10.89, -1.957]

Strain	Parameter	Group 1	Group 2	Mean diff.	Adjusted p	95% CI
Lbu	OSI	DC-0.0	DC-2.13	6.938	<0.001	[2.472, 11.4]
Lbu	OSI	DC-0.0	DC-2.5	11.78	<0.001	[7.316, 16.25]
Lbu	OSI	DC-0.0	DC-2.61	14.96	<0.001	[10.49, 19.42]
Lbu	OSI	DC-1.62	DC-2.13	4.916	0.024	[0.4502, 9.381]
Lbu	OSI	DC-1.62	DC-2.5	9.76	<0.001	[5.294, 14.23]
Lbu	OSI	DC-1.62	DC-2.61	12.94	<0.001	[8.471, 17.4]
Lbu	OSI	DC-2.13	DC-2.5	4.844	0.027	[0.3781, 9.309]
Lbu	OSI	DC-2.13	DC-2.61	8.021	<0.001	[3.555, 12.49]
Lbu	GSH	0.0	2.13	-0.275	<0.001	[-0.4462, -0.1038]
Lbu	GSH	0.0	2.5	-0.435	<0.001	[-0.6062, -0.2638]
Lbu	GSH	0.0	2.61	-0.56	<0.001	[-0.7312, -0.3888]
Lbu	GSH	1.62	2.5	-0.28	<0.001	[-0.4512, -0.1088]
Lbu	GSH	1.62	2.61	-0.405	<0.001	[-0.5762, -0.2338]
Lbu	GSH	2.13	2.61	-0.285	<0.001	[-0.4562, -0.1138]
Lbu	MDA	0.0	2.5	0.49	0.021	[0.0571, 0.9229]
Lbu	MDA	0.0	2.61	0.64	0.002	[0.2071, 1.073]
Lbu	% Fragmentation	AC-0.0	AC-2.13	5.687	0.013	[0.8693, 10.5]
Lbu	% Fragmentation	AC-0.0	AC-2.5	6.779	0.002	[1.962, 11.6]
Lbu	% Fragmentation	AC-0.0	AC-2.61	7.364	<0.001	[2.546, 12.18]
Lbu	% Fragmentation	AC-0.0	DC-2.13	4.882	0.045	[0.0643, 9.699]
Lbu	% Fragmentation	AC-0.0	DC-2.5	8.876	<0.001	[4.059, 13.69]
Lbu	% Fragmentation	AC-0.0	DC-2.61	11.16	<0.001	[6.343, 15.98]
Lbu	% Fragmentation	AC-1.62	DC-0.0	-8.705	<0.001	[-13.52, -3.888]
Lbu	% Fragmentation	AC-1.62	DC-2.61	6.915	0.002	[2.098, 11.73]
Lbu	% Fragmentation	AC-2.13	DC-0.0	-10.15	<0.001	[-14.96, -5.329]
Lbu	% Fragmentation	AC-2.13	DC-2.61	5.474	0.018	[0.6564, 10.29]
Lbu	% Fragmentation	AC-2.5	DC-0.0	-11.24	<0.001	[-16.06, -6.422]
Lbu	% Fragmentation	AC-2.61	DC-0.0	-11.82	<0.001	[-16.64, -7.006]
Lbu	% Fragmentation	AC-2.61	DC-1.62	-4.899	0.044	[-9.716, -0.0811]
Lbu	% Fragmentation	DC-0.0	DC-1.62	6.925	0.002	[2.107, 11.74]
Lbu	% Fragmentation	DC-0.0	DC-2.13	9.341	<0.001	[4.524, 14.16]
Lbu	% Fragmentation	DC-0.0	DC-2.5	13.34	<0.001	[8.519, 18.15]
Lbu	% Fragmentation	DC-0.0	DC-2.61	15.62	<0.001	[10.8, 20.44]
Lbu	% Fragmentation	DC-1.62	DC-2.5	6.411	0.004	[1.594, 11.23]
Lbu	% Fragmentation	DC-1.62	DC-2.61	8.695	<0.001	[3.878, 13.51]
Lbu	% Fragmentation	DC-2.13	DC-2.61	6.279	0.005	[1.461, 11.1]
Lbu	%Growth	AC-0.0	AC-2.5	0.112	<0.001	[0.0448, 0.1792]
Lbu	%Growth	AC-0.0	AC-2.61	0.123	<0.001	[0.0558, 0.1902]
Lbu	%Growth	AC-0.0	DC-1.62	0.087	0.005	[0.0198, 0.1542]
Lbu	%Growth	AC-0.0	DC-2.13	0.106	<0.001	[0.0388, 0.1732]
Lbu	%Growth	AC-0.0	DC-2.5	0.129	<0.001	[0.0618, 0.1962]
Lbu	%Growth	AC-0.0	DC-2.61	0.228	<0.001	[0.1608, 0.2952]
Lbu	%Growth	AC-1.62	AC-2.5	0.106	<0.001	[0.0388, 0.1732]
Lbu	%Growth	AC-1.62	AC-2.61	0.117	<0.001	[0.0498, 0.1842]
Lbu	%Growth	AC-1.62	DC-1.62	0.081	0.011	[0.0138, 0.1482]
Lbu	%Growth	AC-1.62	DC-2.13	0.1	0.001	[0.0328, 0.1672]
Lbu	%Growth	AC-1.62	DC-2.5	0.123	<0.001	[0.0558, 0.1902]
Lbu	%Growth	AC-1.62	DC-2.61	0.222	<0.001	[0.1548, 0.2892]
Lbu	%Growth	AC-2.13	AC-2.5	0.088	0.005	[0.0208, 0.1552]
Lbu	%Growth	AC-2.13	AC-2.61	0.099	0.001	[0.0318, 0.1662]
Lbu	%Growth	AC-2.13	DC-2.13	0.082	0.010	[0.0148, 0.1492]
Lbu	%Growth	AC-2.13	DC-2.5	0.105	<0.001	[0.0378, 0.1722]
Lbu	%Growth	AC-2.13	DC-2.61	0.204	<0.001	[0.1368, 0.2712]
Lbu	%Growth	AC-2.5	DC-0.0	-0.072	0.030	[-0.1392, -0.0048]
Lbu	%Growth	AC-2.5	DC-2.61	0.116	<0.001	[0.0488, 0.1832]
Lbu	%Growth	AC-2.61	DC-0.0	-0.083	0.009	[-0.1502, -0.0158]

Strain	Parameter	Group 1	Group 2	Mean diff.	Adjusted p	95% CI
Lbu	%Growth	AC-2.61	DC-2.61	0.105	<0.001	[0.0378, 0.1722]
Lbu	%Growth	DC-0.0	DC-2.5	0.089	0.004	[0.0218, 0.1562]
Lbu	%Growth	DC-0.0	DC-2.61	0.188	<0.001	[0.1208, 0.2552]
Lbu	%Growth	DC-1.62	DC-2.61	0.141	<0.001	[0.0738, 0.2082]
Lbu	%Growth	DC-2.13	DC-2.61	0.122	<0.001	[0.0548, 0.1892]
Lbu	%Growth	DC-2.5	DC-2.61	0.099	0.001	[0.0318, 0.1662]
Lbu	DNA 260	0.0	2.5	0.1765	0.029	[0.0136, 0.3394]
Lbu	DNA 260	0.0	2.61	0.3265	<0.001	[0.1636, 0.4894]
Lbu	DNA 260	1.62	2.61	0.219	0.005	[0.0561, 0.3819]
Lbu	DNA 260	2.13	2.61	0.1915	0.015	[0.0286, 0.3544]
Lpa	TOS	AC-0.0	AC-2.13	5.272	0.038	[0.1939, 10.35]
Lpa	TOS	AC-0.0	AC-2.5	9.249	<0.001	[4.171, 14.33]
Lpa	TOS	AC-0.0	AC-2.61	18.64	<0.001	[13.56, 23.71]
Lpa	TOS	AC-0.0	DC-2.61	5.852	0.016	[0.7741, 10.93]
Lpa	TOS	AC-1.62	AC-2.5	7.584	0.001	[2.506, 12.66]
Lpa	TOS	AC-1.62	AC-2.61	16.97	<0.001	[11.89, 22.05]
Lpa	TOS	AC-1.62	DC-0.0	-5.616	0.023	[-10.69, -0.5375]
Lpa	TOS	AC-2.13	AC-2.61	13.36	<0.001	[8.285, 18.44]
Lpa	TOS	AC-2.13	DC-0.0	-9.223	<0.001	[-14.3, -4.144]
Lpa	TOS	AC-2.13	DC-1.62	-5.717	0.020	[-10.79, -0.6387]
Lpa	TOS	AC-2.5	AC-2.61	9.386	<0.001	[4.308, 14.46]
Lpa	TOS	AC-2.5	DC-0.0	-13.2	<0.001	[-18.28, -8.122]
Lpa	TOS	AC-2.5	DC-1.62	-9.694	<0.001	[-14.77, -4.616]
Lpa	TOS	AC-2.5	DC-2.13	-6.829	0.004	[-11.91, -1.751]
Lpa	TOS	AC-2.5	DC-2.5	-5.218	0.041	[-10.3, -0.14]
Lpa	TOS	AC-2.61	DC-0.0	-22.59	<0.001	[-27.66, -17.51]
Lpa	TOS	AC-2.61	DC-1.62	-19.08	<0.001	[-24.16, -14]
Lpa	TOS	AC-2.61	DC-2.13	-16.22	<0.001	[-21.29, -11.14]
Lpa	TOS	AC-2.61	DC-2.5	-14.6	<0.001	[-19.68, -9.526]
Lpa	TOS	AC-2.61	DC-2.61	-12.78	<0.001	[-17.86, -7.705]
Lpa	TOS	DC-0.0	DC-2.13	6.371	0.007	[1.292, 11.45]
Lpa	TOS	DC-0.0	DC-2.5	7.982	<0.001	[2.903, 13.06]
Lpa	TOS	DC-0.0	DC-2.61	9.803	<0.001	[4.724, 14.88]
Lpa	TOS	DC-1.62	DC-2.61	6.297	0.008	[1.219, 11.38]
Lpa	OSI	AC-0.0	AC-2.13	4.236	<0.001	[1.463, 7.009]
Lpa	OSI	AC-0.0	AC-2.5	7.255	<0.001	[4.482, 10.03]
Lpa	OSI	AC-0.0	AC-2.61	14.71	<0.001	[11.94, 17.48]
Lpa	OSI	AC-0.0	DC-2.5	3.512	0.007	[0.7387, 6.285]
Lpa	OSI	AC-0.0	DC-2.61	5.157	<0.001	[2.384, 7.93]
Lpa	OSI	AC-1.62	AC-2.5	5.693	<0.001	[2.92, 8.466]
Lpa	OSI	AC-1.62	AC-2.61	13.15	<0.001	[10.38, 15.92]
Lpa	OSI	AC-1.62	DC-0.0	-3.913	0.002	[-6.686, -1.14]
Lpa	OSI	AC-1.62	DC-2.61	3.595	0.005	[0.8215, 6.368]
Lpa	OSI	AC-2.13	AC-2.5	3.019	0.026	[0.2461, 5.792]
Lpa	OSI	AC-2.13	AC-2.61	10.47	<0.001	[7.702, 13.25]
Lpa	OSI	AC-2.13	DC-0.0	-6.587	<0.001	[-9.36, -3.814]
Lpa	OSI	AC-2.13	DC-1.62	-4.131	0.001	[-6.904, -1.358]
Lpa	OSI	AC-2.5	AC-2.61	7.455	<0.001	[4.682, 10.23]
Lpa	OSI	AC-2.5	DC-0.0	-9.606	<0.001	[-12.38, -6.833]
Lpa	OSI	AC-2.5	DC-1.62	-7.15	<0.001	[-9.923, -4.377]
Lpa	OSI	AC-2.5	DC-2.13	-5.21	<0.001	[-7.983, -2.437]
Lpa	OSI	AC-2.5	DC-2.5	-3.744	0.004	[-6.516, -0.9704]
Lpa	OSI	AC-2.61	DC-0.0	-17.06	<0.001	[-19.84, -14.29]
Lpa	OSI	AC-2.61	DC-1.62	-14.61	<0.001	[-17.38, -11.83]
Lpa	OSI	AC-2.61	DC-2.13	-12.67	<0.001	[-15.44, -9.893]
Lpa	OSI	AC-2.61	DC-2.5	-11.2	<0.001	[-13.97, -8.426]

Strain	Parameter	Group 1	Group 2	Mean diff.	Adjusted p	95% CI
Lpa	OSI	AC-2.61	DC-2.61	-9.554	<0.001	[-12.33, -6.781]
Lpa	OSI	DC-0.0	DC-2.13	4.396	<0.001	[1.623, 7.169]
Lpa	OSI	DC-0.0	DC-2.5	5.863	<0.001	[3.09, 8.636]
Lpa	OSI	DC-0.0	DC-2.61	7.508	<0.001	[4.735, 10.28]
Lpa	OSI	DC-1.62	DC-2.5	3.407	0.009	[0.6336, 6.18]
Lpa	OSI	DC-1.62	DC-2.61	5.052	<0.001	[2.279, 7.825]
Lpa	OSI	DC-2.13	DC-2.61	3.112	0.020	[0.3385, 5.885]
Lpa	GSH	0.0	2.13	-0.865	0.018	[-1.613, -0.1175]
Lpa	GSH	0.0	2.5	-1.11	0.002	[-1.857, -0.3625]
Lpa	GSH	0.0	2.61	-1.355	<0.001	[-2.103, -0.6075]
Lpa	GSH	1.62	2.61	-0.775	0.040	[-1.522, -0.0275]
Lpa	MDA	0.0	2.13	0.33	0.027	[0.0286, 0.6314]
Lpa	MDA	0.0	2.5	0.485	<0.001	[0.1836, 0.7864]
Lpa	MDA	0.0	2.61	0.765	<0.001	[0.4636, 1.066]
Lpa	MDA	1.62	2.5	0.36	0.014	[0.0586, 0.6614]
Lpa	MDA	1.62	2.61	0.64	<0.001	[0.3386, 0.9414]
Lpa	MDA	2.13	2.61	0.435	0.002	[0.1336, 0.7364]
Lpa	% Fragmentation	0.0	1.62	4.557	<0.001	[1.697, 7.416]
Lpa	% Fragmentation	0.0	2.13	6.945	<0.001	[4.086, 9.804]
Lpa	% Fragmentation	0.0	2.5	8.831	<0.001	[5.972, 11.69]
Lpa	% Fragmentation	0.0	2.61	12.7	<0.001	[9.841, 15.56]
Lpa	% Fragmentation	1.62	2.5	4.275	0.002	[1.415, 7.134]
Lpa	% Fragmentation	1.62	2.61	8.144	<0.001	[5.285, 11]
Lpa	% Fragmentation	2.13	2.61	5.755	<0.001	[2.896, 8.615]
Lpa	% Fragmentation	2.5	2.61	3.869	0.004	[1.01, 6.729]
Lpa	%Growth	0.0	2.61	0.114	0.006	[0.0273, 0.2007]
Lpa	%Growth	1.62	2.61	0.1005	0.018	[0.0138, 0.1872]
Lpa	%Growth	2.13	2.61	0.088	0.046	[0.0013, 0.1747]

Supplemental Table S8: Assumption checks

Strain	Parameter	Shapiro W	Shapiro p	Brown–Forsythe F	B–F p	Normality	Homogeneity
Lac	TAS	0.922	0.031	0.087	1.000	Flag	Pass
Lac	TOS	0.948	0.148	1.163	0.369	Pass	Pass
Lac	OSI	0.973	0.625	1.013	0.462	Pass	Pass
Lac	GSH	0.979	0.794	0.284	0.972	Pass	Pass
Lac	MDA	0.975	0.688	0.908	0.537	Pass	Pass
Lac	% Fragmentation	0.982	0.878	0.459	0.885	Pass	Pass
Lac	%Growth	0.934	0.064	0.150	0.997	Pass	Pass
Lac	DNA_260	0.942	0.105	0.163	0.996	Pass	Pass
Lpe	TAS	0.917	0.022	0.155	0.997	Flag	Pass
Lpe	TOS	0.963	0.358	0.664	0.731	Pass	Pass
Lpe	OSI	0.974	0.660	0.846	0.585	Pass	Pass
Lpe	GSH	0.957	0.265	0.197	0.992	Pass	Pass
Lpe	MDA	0.980	0.836	0.462	0.883	Pass	Pass
Lpe	% Fragmentation	0.961	0.333	0.337	0.951	Pass	Pass
Lpe	%Growth	0.971	0.559	0.350	0.946	Pass	Pass
Lpe	DNA_260	0.980	0.814	0.531	0.835	Pass	Pass
Lca	TAS	0.948	0.150	0.110	0.999	Pass	Pass
Lca	TOS	0.969	0.501	0.446	0.893	Pass	Pass
Lca	OSI	0.937	0.074	0.476	0.874	Pass	Pass
Lca	GSH	0.944	0.114	0.129	0.998	Pass	Pass
Lca	MDA	0.955	0.229	0.206	0.990	Pass	Pass
Lca	% Fragmentation	0.988	0.974	0.659	0.735	Pass	Pass
Lca	%Growth	0.962	0.343	0.281	0.973	Pass	Pass
Lca	DNA_260	0.977	0.738	0.304	0.965	Pass	Pass
Lrh	TAS	0.942	0.103	0.189	0.993	Pass	Pass
Lrh	TOS	0.982	0.868	0.550	0.821	Pass	Pass
Lrh	OSI	0.991	0.994	0.545	0.824	Pass	Pass
Lrh	GSH	0.933	0.058	0.192	0.992	Pass	Pass
Lrh	MDA	0.958	0.280	0.275	0.974	Pass	Pass
Lrh	% Fragmentation	0.968	0.481	0.273	0.975	Pass	Pass
Lrh	%Growth	0.964	0.383	0.229	0.986	Pass	Pass
Lrh	DNA_260	0.952	0.197	0.156	0.996	Pass	Pass
Lbu	TAS	0.942	0.105	0.244	0.983	Pass	Pass
Lbu	TOS	0.963	0.359	0.348	0.947	Pass	Pass
Lbu	OSI	0.967	0.471	0.723	0.683	Pass	Pass
Lbu	GSH	0.960	0.307	0.174	0.995	Pass	Pass
Lbu	MDA	0.934	0.062	0.170	0.995	Pass	Pass
Lbu	% Fragmentation	0.949	0.160	0.322	0.958	Pass	Pass
Lbu	%Growth	0.979	0.805	0.327	0.956	Pass	Pass
Lbu	DNA_260	0.984	0.921	0.300	0.966	Pass	Pass
Lpa	TAS	0.961	0.333	0.496	0.860	Pass	Pass
Lpa	TOS	0.950	0.167	0.707	0.696	Pass	Pass
Lpa	OSI	0.979	0.806	0.512	0.849	Pass	Pass
Lpa	GSH	0.971	0.557	0.297	0.967	Pass	Pass
Lpa	MDA	0.970	0.527	0.224	0.987	Pass	Pass
Lpa	% Fragmentation	0.971	0.569	0.325	0.957	Pass	Pass
Lpa	%Growth	0.980	0.820	0.312	0.962	Pass	Pass
Lpa	DNA_260	0.968	0.498	0.271	0.976	Pass	Pass