Supplement 1: Summary of the statistical analysis for the total number of individuals

Data							Test procedure		
Species	All	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂ & ♀	V1	15	11,73	0,00	30,00	Normally distributed	Skewness & Kurtosis	yes
Date	All (3)	V2	15	14,00	3,00	32,00	Homogeneity of variance	Levene's Test	p=0,017
Variants	5	V3	15	11,60	2,00	26,00		ANOVA	p=0,0007
Repetitions per variant	5	V4	15	9,13	0,00	26,00		Multiple Range (95% LSD)	(V1-V4) (V5)
Number of samples	75	V5	15	2,53	0,00	8,00		Kruskal-Wallis	p=0,0002
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	0,73
								ANOVA	0
								Multiple Range (95% LSD)	(V1-V4) (V5)
								Kruskal-Wallis	0,0002

Data							Test procedure		
Species	All	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂	V1	15	4,87	0,00	12,00	Normally distributed	Skewness & Kurtosis	no
Date	All (3)	V2	15	7,13	1,00	20,00	Homogeneity of variance	Levene's Test	p=0,043
Variants	5	V3	15	4,80	0,00	10,00		ANOVA	p=0,0031
Repetitions per variant	5	V4	15	4,13	0,00	18,00		Multiple Range (95% LSD)	(V1,V2,V3) (V1,V3,V4) (V5)
Number of samples	75	V5	15	1,20	0,00	5,00		Kruskal-Wallis	p=0,00082
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,88
								ANOVA	p=0,0003
								Multiple Range (95% LSD)	(V1,V2,V3) (V1,V3,V4) (V5)
								Kruskal-Wallis	p=0,00082

Data							Test procedure		
Species	All	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♀	V1	15	6,87	0,00	18,00	Normally distributed	Skewness & Kurtosis	yes
Date	All (3)	V2	15	6,87	1,00	14,00	Homogeneity of variance	Levene's Test	p=0,0021
Variants	5	V3	15	6,80	1,00	17,00		ANOVA	p=0,0014
Repetitions per variant	5	V4	15	5,00	0,00	11,00		Multiple Range (95% LSD)	(V1-V4) (V5)
Number of samples	75	V5	15	1,33	0,00	4,00		Kruskal-Wallis	p=0,00038
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,22
								ANOVA	p=0,0001
								Multiple Range (95% LSD)	(V1-V4) (V5)
								Kruskal-Wallis	p=0,00038

Data							Test procedure		
Species	All	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂ & ♀	V1	5	15,60	5,00	30,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 1	V2	5	20,60	15,00	32,00	Homogeneity of variance	Levene's Test	p=0,24
Variants	5	V3	5	13,80	2,00	26,00		ANOVA	p=0,0033
Repetitions per variant	5	V4	5	9,20	6,00	15,00		Multiple Range (95% LSD)	(V1-V3) (V1,V3,V4) (V4,V5)
Number of samples	25	V5	5	0,60	0,00	1,00		Kruskal-Wallis	p=0,0049
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	0,55
								ANOVA	p=0,0000
								Multiple Range (95% LSD)	(V1-V3) (V1,V3,V4) (V5)
								Kruskal-Wallis	p=0,013

Data							Test procedure		
Species	All	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂	V1	5	7,00	3,00	12,00	Normally distributed	Skewness & Kurtosis	no
Date	Termin 1	V2	5	10,60	6,00	20,00	Homogeneity of variance	Levene's Test	p=0,3
Variants	5	V3	5	5,20	1,00	9,00		ANOVA	p=0,0017
Repetitions per variant	5	V4	5	3,80	2,00	8,00		Multiple Range (95% LSD)	(V1,V2) (V1,V3,V4) (V4,V5)
Number of samples	25	V5	5	0,00	0,00	0,00		Kruskal-Wallis	p=0,003
							Testvoraussetzungen	**Transformed data y=ln(x+1)**	**Significance**
							Normalverteilt	Skewness & Kurtosis	yes
							Varianzhomogenität	Levene's Test	p=0,18
								ANOVA	p=0,0
								Multiple Range (95% LSD)	(V1,V2) (V1,V3,V4) (V5)
								Kruskal-Wallis	p=0,003

Data							Test procedure		
Species	All	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♀	V1	5	8,60	2,00	18,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 1	V2	5	10,00	6,00	14,00	Homogeneity of variance	Levene's Test	p=0,31
Variants	5	V3	5	8,60	1,00	17,00		ANOVA	p=0,027
Repetitions per variant	5	V4	5	5,40	3,00	11,00		Multiple Range (95% LSD)	(V1-V4) (V4,V5)
Number of samples	25	V5	5	0,60	0,00	1,00		Kruskal-Wallis	p=0,013
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,7
								ANOVA	p=0,0004
								Multiple Range (95% LSD)	(V1-V4) (V5)
								Kruskal-Wallis	p=0,013

Supplement 1: continuation

Data							Test procedure		
Species	All	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂ & ♀	V1	5	16,40	10,00	23,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 2	V2	5	15,20	6,00	27,00	Homogeneity of variance	Levene's Test	p=0,28
Variants	5	V3	5	15,40	8,00	24,00		ANOVA	p=0,0136
Repetitions per variant	5	V4	5	16,00	10,00	26,00		Multiple Range (95% LSD)	(V1-V4) (V5)
Number of samples	25	V5	5	3,00	0,00	8,00		Kruskal-Wallis	p=0,03
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,47
								ANOVA	p=0,0002
								Multiple Range (95% LSD)	(V1-V4) (V5)
								Kruskal-Wallis	p=0,03

Data							Test procedure		
Species	All	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂	V1	5	6,00	3,00	11,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 2	V2	5	7,60	1,00	15,00	Homogeneity of variance	Levene's Test	p=0,41
Variants	5	V3	5	7,00	3,00	10,00		ANOVA	p=0,12
Repetitions per variant	5	V4	5	8,00	4,00	18,00		Multiple Range (95% LSD)	(V1-V4) (V1,V5)
Number of samples	25	V5	5	1,40	0,00	4,00		Kruskal-Wallis	p=0,061
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,71
								ANOVA	p=0,0089
								Multiple Range (95% LSD)	(V1-V4) (V5)
								Kruskal-Wallis	p=0,061

Data							Test procedure		
Species	All	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♀	V1	5	10,40	7,00	14,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 2	V2	5	7,60	3,00	14,00	Homogeneity of variance	Levene's Test	p=0,21
Variants	5	V3	5	8,40	5,00	14,00		ANOVA	p=0,0049
Repetitions per variant	5	V4	5	8,00	6,00	11,00		Multiple Range (95% LSD)	(V1-V4) (V5)
Number of samples	25	V5	5	1,60	0,00	4,00		Kruskal-Wallis	p=0,015
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,19
								ANOVA	p=0,0001
								Multiple Range (95% LSD)	(V1-V4) (V5)
								Kruskal-Wallis	p=0,015

Data							Test procedure		
Species	All	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂ & ♀	V1	5	3,20	0,00	6,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 3	V2	5	6,20	3,00	10,00	Homogeneity of variance	Levene's Test	p=0,83
Variants	5	V3	5	5,60	4,00	8,00		ANOVA	p=0,056
Repetitions per variant	5	V4	5	2,20	0,00	5,00		Multiple Range (95% LSD)	(V2,V3,V5) (V1,V3,V5) (V1,V4,V5)
Number of samples	25	V5	5	4,00	2,00	7,00		Kruskal-Wallis	p=0,094
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,2
								ANOVA	p=0,055
								Multiple Range (95% LSD)	(V1-V3,V5) (V1,V4,V5))
								Kruskal-Wallis	p=0,094

Data							Test procedure		
Species	All	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂	V1	5	1,60	0,00	5,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 3	V2	5	3,20	1,00	5,00	Homogeneity of variance	Levene's Test	p=0,8
Variants	5	V3	5	2,20	0,00	6,00		ANOVA	p=0,28
Repetitions per variant	5	V4	5	0,60	0,00	2,00		Multiple Range (95% LSD)	(V1-V3,V5) (V1,V3-V5)
Number of samples	25	V5	5	2,20	1,00	5,00		Kruskal-Wallis	p=0,17
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,79
								ANOVA	p=0,14
								Multiple Range (95% LSD)	(V1-V3,V5) (V1,V3-V5)
								Kruskal-Wallis	p=0,17

Data							Test procedure		
Species	All	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♀	V1	5	1,60	0,00	4,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 3	V2	5	3,00	1,00	5,00	Homogeneity of variance	Levene's Test	p=0,76
Variants	5	V3	5	3,40	1,00	5,00		ANOVA	p=0,27
Repetitions per variant	5	V4	5	1,60	0,00	5,00		Multiple Range (95% LSD)	(V1-V5)
Number of samples	25	V5	5	1,80	1,00	3,00		Kruskal-Wallis	p=0,27
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,57
								ANOVA	p=0,23
								Multiple Range (95% LSD)	(V1-V5)
								Kruskal-Wallis	p=0,27

Supplement 2: Summary of the statistical analysis on *D. simulans*

Data							Test procedure		
Species	D. simulans	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂ & ♀	V1	15	4,20	0,00	16,00	Normally distributed	Skewness & Kurtosis	no
Date	All (3)	V2	15	6,07	0,00	21,00	Homogeneity of variance	Levene's Test	p=0,056
Variants	5	V3	15	3,53	0,00	13,00		ANOVA	p=0,006
Repetitions per variant	5	V4	15	2,13	0,00	7,00		Multiple Range (95% LSD)	(V1-V3) (V1,V3,V4) (V3-V5)
Number of samples	75	V5	15	0,80	0,00	3,00		Kruskal-Wallis	p=0,0017
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,29
								ANOVA	p=0,0016
								Multiple Range (95% LSD)	(V1-V3) (V1,V3,V4) (V4-V5)
								Kruskal-Wallis	p=0,0017

Data							Test procedure		
Species	D. simulans	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂	V1	15	1,67	0,00	6,00	Normally distributed	Skewness & Kurtosis	no
Date	All (3)	V2	15	3,40	0,00	14,00	Homogeneity of variance	Levene's Test	p=0,07
Variants	5	V3	15	1,33	0,00	5,00		ANOVA	p=0,0016
Repetitions per variant	5	V4	15	1,07	0,00	3,00		Multiple Range (95% LSD)	(V2) (V1, V3-V5)
Number of samples	75	V5	15	0,33	0,00	2,00		Kruskal-Wallis	p=0,001
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	no
							Homogeneity of variance	Levene's Test	p=0,1
								ANOVA	p=0,0003
								Multiple Range (95% LSD)	(V2) (V1,V3,V4) (V3-V5)
								Kruskal-Wallis	p=0,001

Data							Test procedure		
Species	D. simulans	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♀	V1	15	2,53	0,00	11,00	Normally distributed	Skewness & Kurtosis	no
Date	All (3)	V2	15	2,67	0,00	9,00	Homogeneity of variance	Levene's Test	p=0,032
Variants	5	V3	15	2,20	0,00	9,00		ANOVA	p=0,044
Repetitions per variant	5	V4	15	1,07	0,00	4,00		Multiple Range (95% LSD)	(V1-V4) (V4,V5)
Number of samples	75	V5	15	0,47	0,00	1,00		Kruskal-Wallis	p=0,04
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,16
								ANOVA	p=0,033
								Multiple Range (95% LSD)	(V1-V4) (V4,V5)
								Kruskal-Wallis	p=0,04

Data							Test procedure		
Species	D. simulans	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂ & ♀	V1	5	7,80	0,00	16,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 1	V2	5	11,20	4,00	21,00	Homogeneity of variance	Levene's Test	p=0,072
Variants	5	V3	5	6,40	0,00	13,00		ANOVA	p=0,028
Repetitions per variant	5	V4	5	2,60	0,00	7,00		Multiple Range (95% LSD)	(V1-V3) (V1,V3,V4) (V3-V5)
Number of samples	25	V5	5	0,40	0,00	1,00		Kruskal-Wallis	p=0,026
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,39
								ANOVA	p=0,011
								Multiple Range (95% LSD)	(V1-V3) (V1,V3,V4) (V4-V5)
								Kruskal-Wallis	p=0,026

Data							Test procedure		
Species	D. simulans	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂	V1	5	3,00	0,00	6,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 1	V2	5	6,60	3,00	14,00	Homogeneity of variance	Levene's Test	p=0,32
Variants	5	V3	5	2,00	0,00	5,00		ANOVA	p=0,0054
Repetitions per variant	5	V4	5	1,20	0,00	3,00		Multiple Range (95% LSD)	(V2) (V1,V3-V5)
Number of samples	25	V5	5	0,00	0,00	0,00		Kruskal-Wallis	p=0,0088
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,88
								ANOVA	p=0,0018
								Multiple Range (95% LSD)	(V1,V2) (V1,V3,V4) (V4,V5)
								Kruskal-Wallis	p=0,0088

Data							Test procedure		
Species	D. simulans	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♀	V1	5	4,80	0,00	11,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 1	V2	5	4,60	1,00	9,00	Homogeneity of variance	Levene's Test	p=0,16
Variants	5	V3	5	4,40	0,00	9,00		ANOVA	p=0,12
Repetitions per variant	5	V4	5	1,40	0,00	4,00		Multiple Range (95% LSD)	(V1-V4) (V3-V5)
Number of samples	25	V5	5	0,40	0,00	1,00		Kruskal-Wallis	p=0,07
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,57
								ANOVA	p=0,061
								Multiple Range (95% LSD)	(V1-V4) (V4-V5)
								Kruskal-Wallis	p=0,07

Supplement 2: continuation

Data							Test procedure		
Species	D. simulans	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂ & ♀	V1	5	3,20	0,00	7,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 2	V2	5	3,00	0,00	8,00	Homogeneity of variance	Levene's Test	p=0,64
Variants	5	V3	5	1,80	0,00	4,00		ANOVA	p=0,22
Repetitions per variant	5	V4	5	3,20	1,00	6,00		Multiple Range (95% LSD)	(V1-V5)
Number of samples	25	V5	5	0,40	0,00	1,00		Kruskal-Wallis	p=0,14
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,85
								ANOVA	p=0,13
								Multiple Range (95% LSD)	(V1-V4) (V2,V3,V5)
								Kruskal-Wallis	p=0,14

Data							Test procedure		
Species	D. simulans	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂	V1	5	1,20	0,00	3,00	Normally distributed	Skewness & Kurtosis	no
Date	Termin 2	V2	5	1,60	0,00	2,00	Homogeneity of variance	Levene's Test	p=0,39
Variants	5	V3	5	0,80	0,00	2,00		ANOVA	p=0,015
Repetitions per variant	5	V4	5	2,00	1,00	3,00		Multiple Range (95% LSD)	(V1,V2,V4) (V1-V3) (V3,V5)
Number of samples	25	V5	5	0,00	0,00	0,00		Kruskal-Wallis	p=0,022
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	no
							Homogeneity of variance	Levene's Test	p=0,5
								ANOVA	p=0,0063
								Multiple Range (95% LSD)	(V1,V2,V4) (V1-V3) (V3,V5)
								Kruskal-Wallis	p=0,0022

Data							Test procedure		
Species	D. simulans	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♀	V1	5	2,00	0,00	4,00	Normally distributed	Skewness & Kurtosis	no
Date	Termin 2	V2	5	1,40	0,00	6,00	Homogeneity of variance	Levene's Test	p=0,78
Variants	5	V3	5	1,00	0,00	2,00		ANOVA	p=0,61
Repetitions per variant	5	V4	5	1,20	0,00	3,00		Multiple Range (95% LSD)	(V1-V5)
Number of samples	25	V5	5	0,40	0,00	1,00		Kruskal-Wallis	p=0,48
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,94
								ANOVA	p=0,56
								Multiple Range (95% LSD)	(V1-V5)
								Kruskal-Wallis	p=0,48

Data							Test procedure		
Species	D. simulans	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂ & ♀	V1	5	1,60	0,00	3,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 3	V2	5	4,00	1,00	7,00	Homogeneity of variance	Levene's Test	p=0,22
Variants	5	V3	5	2,40	0,00	5,00		ANOVA	p=0,036
Repetitions per variant	5	V4	5	0,60	0,00	1,00		Multiple Range (95% LSD)	(V2,V3) (V1,V3-V5)
Number of samples	25	V5	5	1,60	1,00	3,00		Kruskal-Wallis	p=0,08
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,58
								ANOVA	p=0,07
								Multiple Range (95% LSD)	(V2,V3,V5) (V1,V3-V5)
								Kruskal-Wallis	p=0,08

Data							Test procedure		
Species	D. simulans	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂	V1	5	0,80	0,00	2,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 3	V2	5	2,00	0,00	3,00	Homogeneity of variance	Levene's Test	p=0,58
Variants	5	V3	5	1,20	0,00	5,00		ANOVA	p=0,23
Repetitions per variant	5	V4	5	0,00	0,00	0,00		Multiple Range (95% LSD)	(V1-V3,V5) (V1, V3-V5)
Number of samples	25	V5	5	1,00	0,00	2,00		Kruskal-Wallis	p=0,12
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,53
								ANOVA	p=0,14
								Multiple Range (95% LSD)	(V1-V3,V5) (V1, V3-V5)
								Kruskal-Wallis	p=0,12

Data							Test procedure		
Species	D. simulans	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♀	V1	5	0,80	0,00	2,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 3	V2	5	2,00	0,00	4,00	Homogeneity of variance	Levene's Test	p=0,22
Variants	5	V3	5	1,20	0,00	3,00		ANOVA	p=0,22
Repetitions per variant	5	V4	5	0,60	0,00	1,00		Multiple Range (95% LSD)	(V1-V3) (V1,V3-V5)
Number of samples	25	V5	5	0,60	0,00	1,00		Kruskal-Wallis	p=0,45
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,81
								ANOVA	p=0,44
								Multiple Range (95% LSD)	(V1-V5)
								Kruskal-Wallis	p=0,45

Supplement 3: Summary of the statistical analysis on *D. suzukii*

Data							Test procedure		
Species	D. suzukii	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂ & ♀	V1	15	6,27	0,00	16,00	Normally distributed	Skewness & Kurtosis	no
Date	All (3)	V2	15	5,67	1,00	15,00	Homogeneity of variance	Levene's Test	p=0,13
Variants	5	V3	15	6,40	0,00	19,00		ANOVA	p=0,025
Repetitions per variant	5	V4	15	6,00	0,00	22,00		Multiple Range (95% LSD)	(V1-V4) (V5)
Number of samples	75	V5	15	1,47	0,00	5,00		Kruskal-Wallis	p=0,0054
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,91
								ANOVA	p=0,003
								Multiple Range (95% LSD)	(V1-V4) (V5)
								Kruskal-Wallis	p=0,005

Data							Test procedure		
Species	D. suzukii	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂	V1	15	2,80	0,00	8,00	Normally distributed	Skewness & Kurtosis	no
Date	All (3)	V2	15	2,40	0,00	7,00	Homogeneity of variance	Levene's Test	p=0,48
Variants	5	V3	15	2,73	0,00	8,00		ANOVA	p=0,19
Repetitions per variant	5	V4	15	2,53	0,00	15,00		Multiple Range (95% LSD)	(V1-V4) (V2,V4,V5)
Number of samples	75	V5	15	0,80	0,00	3,00		Kruskal-Wallis	p=0,052
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,8
								ANOVA	p=0,054
								Multiple Range (95% LSD)	(V1-V4) (V4,V5)
								Kruskal-Wallis	p=0,052

Data							Test procedure		
Species	D. suzukii	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♀	V1	15	3,47	0,00	10,00	Normally distributed	Skewness & Kurtosis	yes
Date	All (3)	V2	15	3,27	1,00	8,00	Homogeneity of variance	Levene's Test	0,036
Variants	5	V3	15	3,67	0,00	11,00		ANOVA	p=0,017
Repetitions per variant	5	V4	15	3,47	0,00	10,00		Multiple Range (95% LSD)	(V1-V4) (V5)
Number of samples	75	V5	15	0,67	0,00	2,00		Kruskal-Wallis	p=0,0066
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,3
								ANOVA	p=0,0036
								Multiple Range (95% LSD)	(V1-V4) (V5)
								Kruskal-Wallis	p=0,0066

Data							Test procedure		
Species	D. suzukii	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂ & ♀	V1	5	7,00	4,00	14,00	Normally distributed	Skewness & Kurtosis	no
Date	Termin 1	V2	5	7,60	3,00	13,00	Homogeneity of variance	Levene's Test	p=0,52
Variants	5	V3	5	6,60	2,00	12,00		ANOVA	p=0,013
Repetitions per variant	5	V4	5	5,80	3,00	11,00		Multiple Range (95% LSD)	(V1-V4) (V5)
Number of samples	25	V5	5	0,20	0,00	1,00		Kruskal-Wallis	p=0,015
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	no
							Homogeneity of variance	Levene's Test	p=0,87
								ANOVA	p=0,0000
								Multiple Range (95% LSD)	(V1-V4) (V5)
								Kruskal-Wallis	p=0,015

Data							Test procedure		
Species	D. suzukii	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂	V1	5	3,40	2,00	7,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 1	V2	5	3,20	1,00	6,00	Homogeneity of variance	Levene's Test	p=0,37
Variants	5	V3	5	2,60	1,00	5,00		ANOVA	p=0,018
Repetitions per variant	5	V4	5	2,40	1,00	4,00		Multiple Range (95% LSD)	(V1-V4) (V5)
Number of samples	25	V5	5	0,00	0,00	0,00		Kruskal-Wallis	p=0,014
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,29
								ANOVA	p=0,0001
								Multiple Range (95% LSD)	(V1-V4) (V5)
								Kruskal-Wallis	p=0,014

Data							Test procedure		
Species	D. suzukii	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♀	V1	5	3,60	2,00	7,00	Normally distributed	Skewness & Kurtosis	no
Date	Termin 1	V2	5	4,40	1,00	7,00	Homogeneity of variance	Levene's Test	p=0,63
Variants	5	V3	5	4,00	1,00	7,00		ANOVA	p=0,087
Repetitions per variant	5	V4	5	3,40	1,00	10,00		Multiple Range (95% LSD)	(V1-V4) (V4,V5)
Number of samples	25	V5	5	0,20	0,00	1,00		Kruskal-Wallis	p=0,02
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	no
							Homogeneity of variance	Levene's Test	p=0,79
								ANOVA	p=0,0015
								Multiple Range (95% LSD)	(V1-V4) (V5)
								Kruskal-Wallis	p=0,02

Supplement 3: continuation

Data							Test procedure		
Species	D. suzukii	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂ & ♀	V1	5	10,6	3	16	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 2	V2	5	8	3	15	Homogeneity of variance	Levene's Test	p=0,7
Variants	5	V3	5	10,4	6	19		ANOVA	p=0,054
Repetitions per variant	5	V4	5	10,8	5	22		Multiple Range (95% LSD)	(V1-V4) (V2,V5)
Number of samples	25	V5	5	2	0	5		Kruskal-Wallis	p=0,031
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,9
								ANOVA	p=0,0019
								Multiple Range (95% LSD)	(V1-V4) (V5)
								Kruskal-Wallis	p=0,031

Data							Test procedure		
Species	D. suzukii	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂	V1	5	4,40	1,00	8,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 2	V2	5	3,60	0,00	7,00	Homogeneity of variance	Levene's Test	p=0,61
Variants	5	V3	5	4,60	2,00	8,00		ANOVA	p=0,49
Repetitions per variant	5	V4	5	4,60	0,00	15,00		Multiple Range (95% LSD)	(V1-V5)
Number of samples	25	V5	5	1,20	0,00	3,00		Kruskal-Wallis	p=0,21
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,63
								ANOVA	p=0,28
								Multiple Range (95% LSD)	(V1-V4) (V1,V2,V4,V5)
								Kruskal-Wallis	p=0,21

Data							Test procedure		
Species	D. suzukii	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♀	V1	5	6,20	2,00	10,00	Normally distributed	Skewness & Kurtosis	no
Date	Termin 2	V2	5	4,40	1,00	8,00	Homogeneity of variance	Levene's Test	p=0,37
Variants	5	V3	5	5,80	3,00	11,00		ANOVA	p=0,013
Repetitions per variant	5	V4	5	6,20	5,00	8,00		Multiple Range (95% LSD)	(V1-V4) (V5)
Number of samples	25	V5	5	0,80	0,00	2,00		Kruskal-Wallis	p=0,022
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,51
								ANOVA	p=0,0004
								Multiple Range (95% LSD)	(V1-V4) (V5)
								Kruskal-Wallis	p=0,022

Data							Test procedure		
Species	D. suzukii	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂ & ♀	V1	5	1,20	0,00	3,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 3	V2	5	1,40	1,00	2,00	Homogeneity of variance	Levene's Test	p=0,41
Variants	5	V3	5	2,20	0,00	4,00		ANOVA	p=0,77
Repetitions per variant	5	V4	5	1,40	0,00	4,00		Multiple Range (95% LSD)	(V1-V5)
Number of samples	25	V5	5	2,20	0,00	5,00		Kruskal-Wallis	p=0,85
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,48
								ANOVA	p=0,89
								Multiple Range (95% LSD)	(V1-V5)
								Kruskal-Wallis	p=0,85

Data							Test procedure		
Species	D. suzukii	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♂	V1	5	0,60	0,00	2,00	Normally distributed	Skewness & Kurtosis	yes
Date	Termin 3	V2	5	0,40	0,00	1,00	Homogeneity of variance	Levene's Test	p=0,79
Variants	5	V3	5	1,00	0,00	3,00		ANOVA	p=0,72
Repetitions per variant	5	V4	5	0,60	0,00	2,00		Multiple Range (95% LSD)	(V1-V5)
Number of samples	25	V5	5	1,20	0,00	3,00		Kruskal-Wallis	p=0,81
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	yes
							Homogeneity of variance	Levene's Test	p=0,94
								ANOVA	p=0,8
								Multiple Range (95% LSD)	(V1-V5)
								Kruskal-Wallis	p=0,81

Data							Test procedure		
Species	D. suzukii	Variant	Count	AV	Minimum	Maximum	**Test requirements**	**Original data**	**Significance**
Sex	♀	V1	5	0,60	0,00	2,00	Normally distributed	Skewness & Kurtosis	no
Date	Termin 3	V2	5	1,00	1,00	1,00	Homogeneity of variance	Levene's Test	p=0,55
Variants	5	V3	5	1,20	0,00	3,00		ANOVA	p=0,94
Repetitions per variant	5	V4	5	0,80	0,00	4,00		Multiple Range (95% LSD)	(V1-V5)
Number of samples	25	V5	5	1,00	0,00	2,00		Kruskal-Wallis	p=0,64
							Test requirements	**Transformed data y=ln(x+1)**	**Significance**
							Normally distributed	Skewness & Kurtosis	no
							Homogeneity of variance	Levene's Test	p=0,44
								ANOVA	p=0,76
								Multiple Range (95% LSD)	(V1-V5)
								Kruskal-Wallis	p=0,64