

Supplementary Data – Grubbs' Outlier Test : comparison of females and males

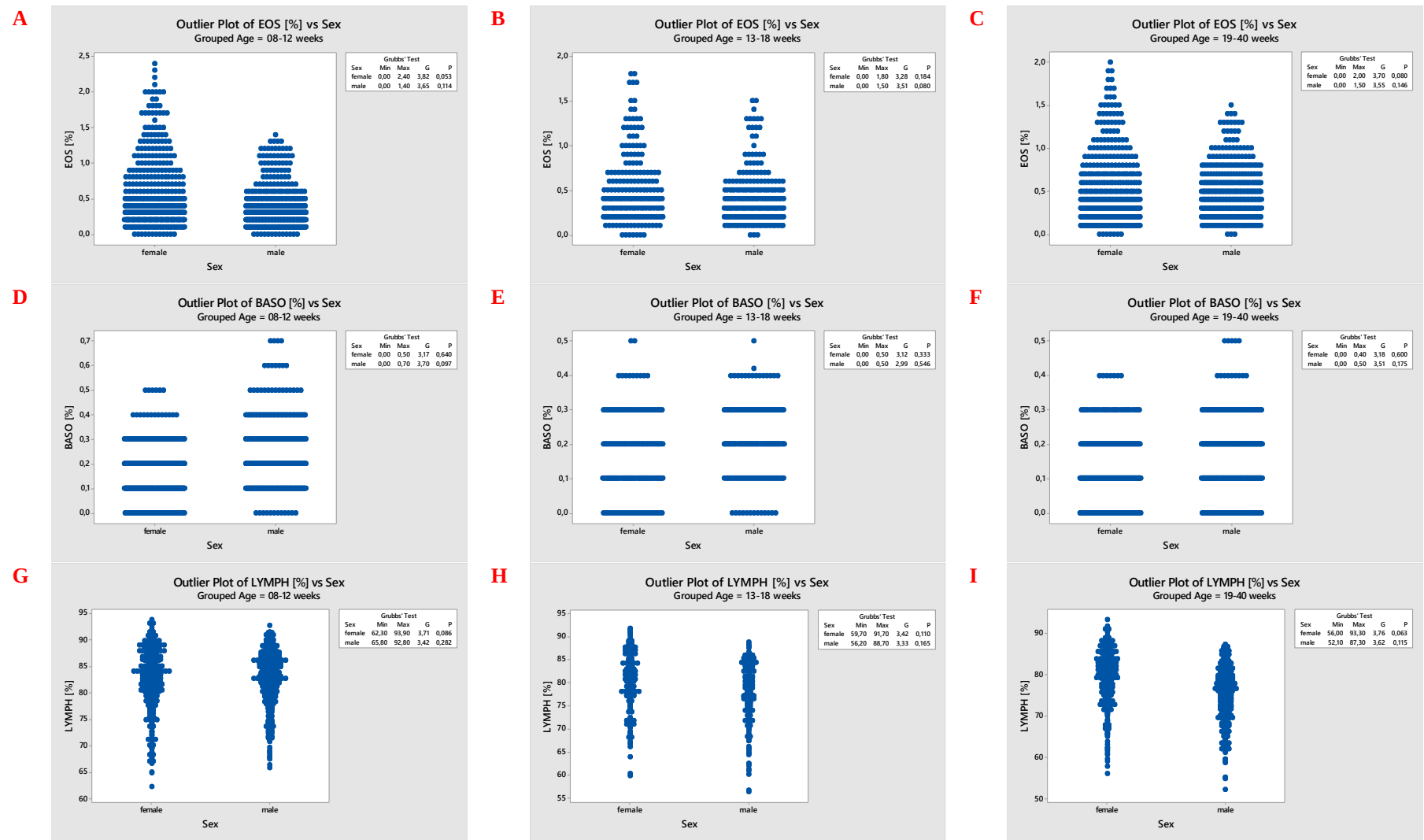


Figure S1: Grubbs' Outlier Test performed for EOS, BASO and LYMPH

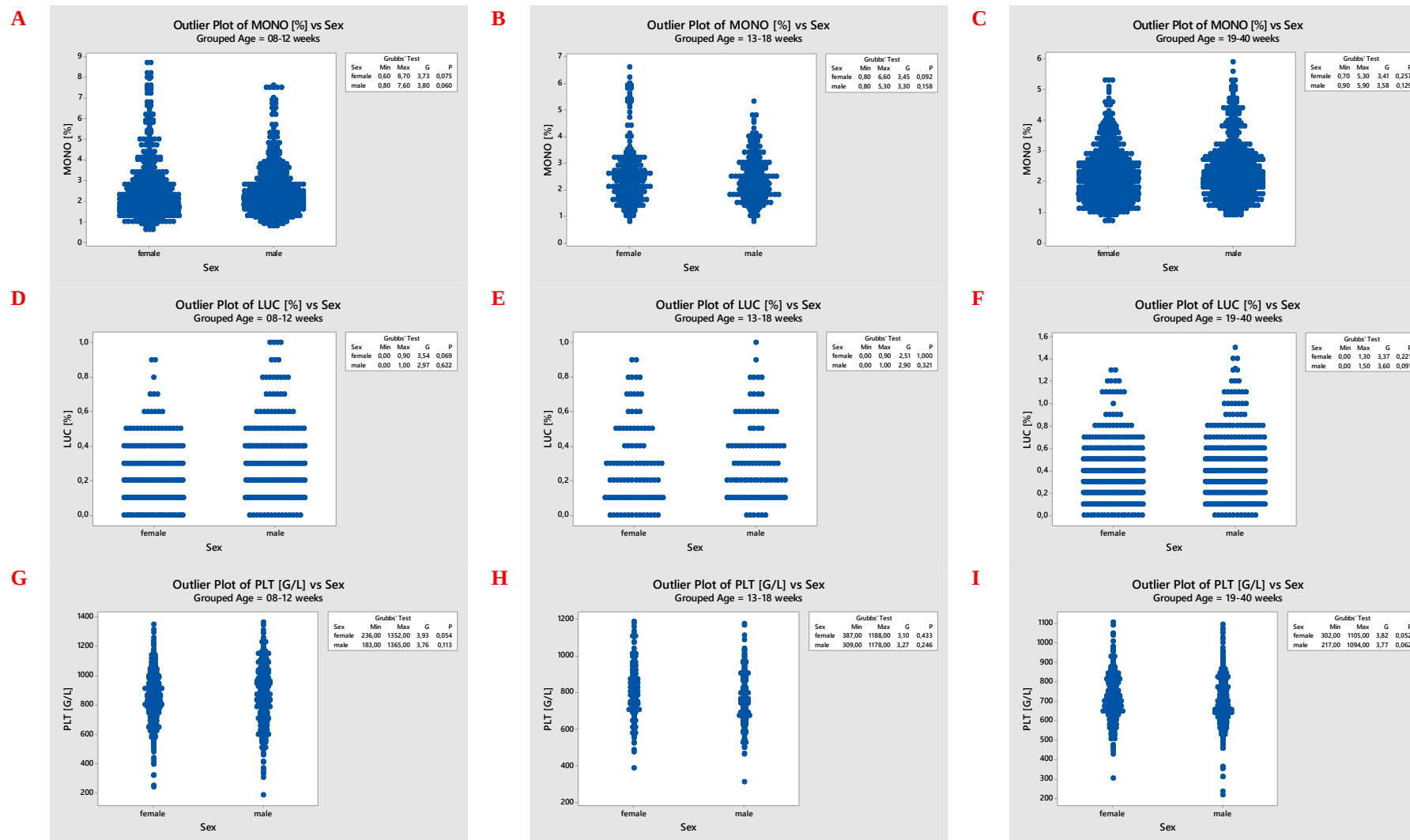


Figure S2: Grubbs' Outlier Test performed for MONO, LUC and PLT

Supplementary Data – Comparison of three different study types (OECD 408, OECD 422 and implantation studies ISO10993)

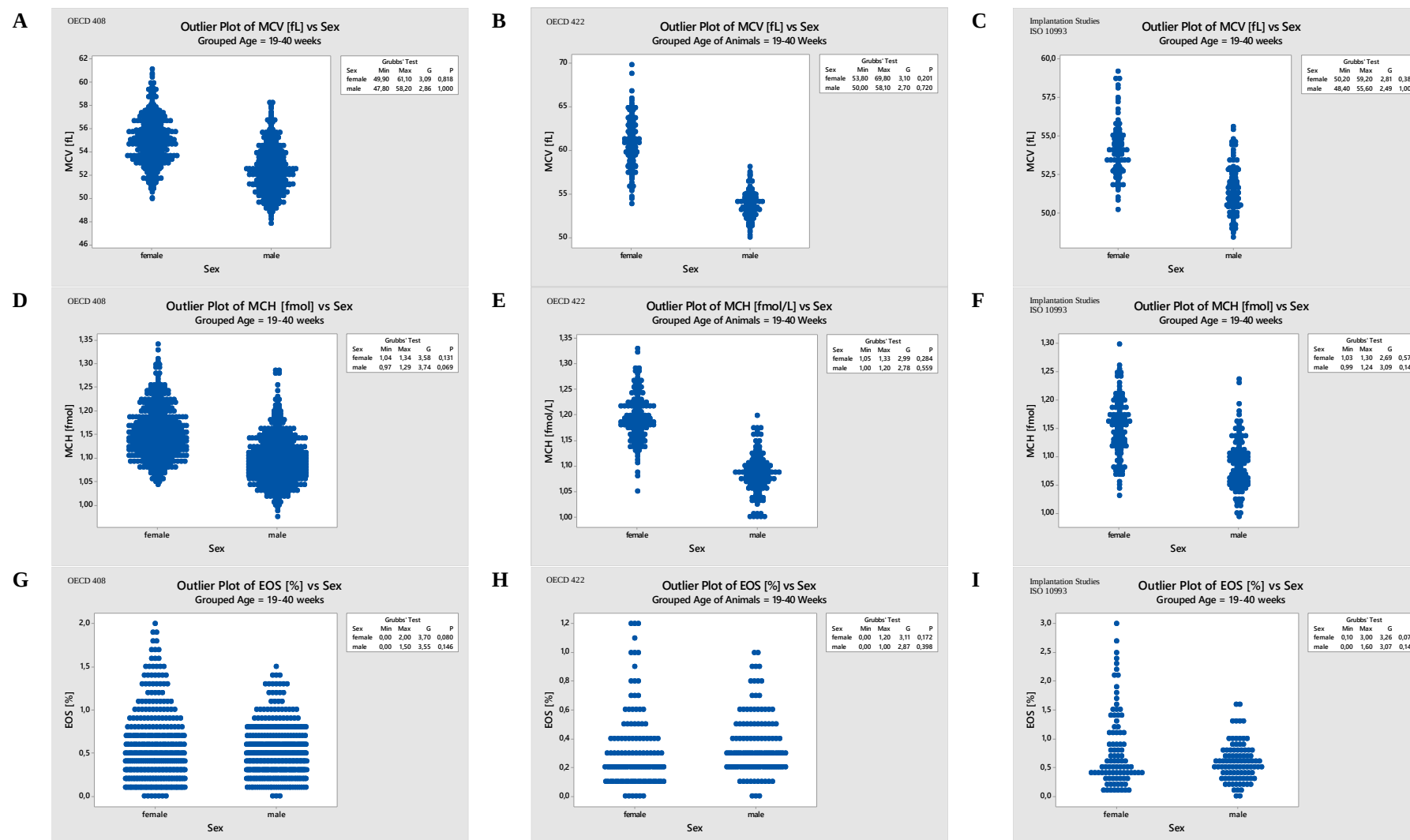


Figure S3: Grubbs' Outlier Test comparison of MCV, MCH and EOS of three different study types. Left column, repeated dose studies (OECD 408); middle column, reproduction toxicity studies (OECD 422); right column, implantation studies (ISO 10993)

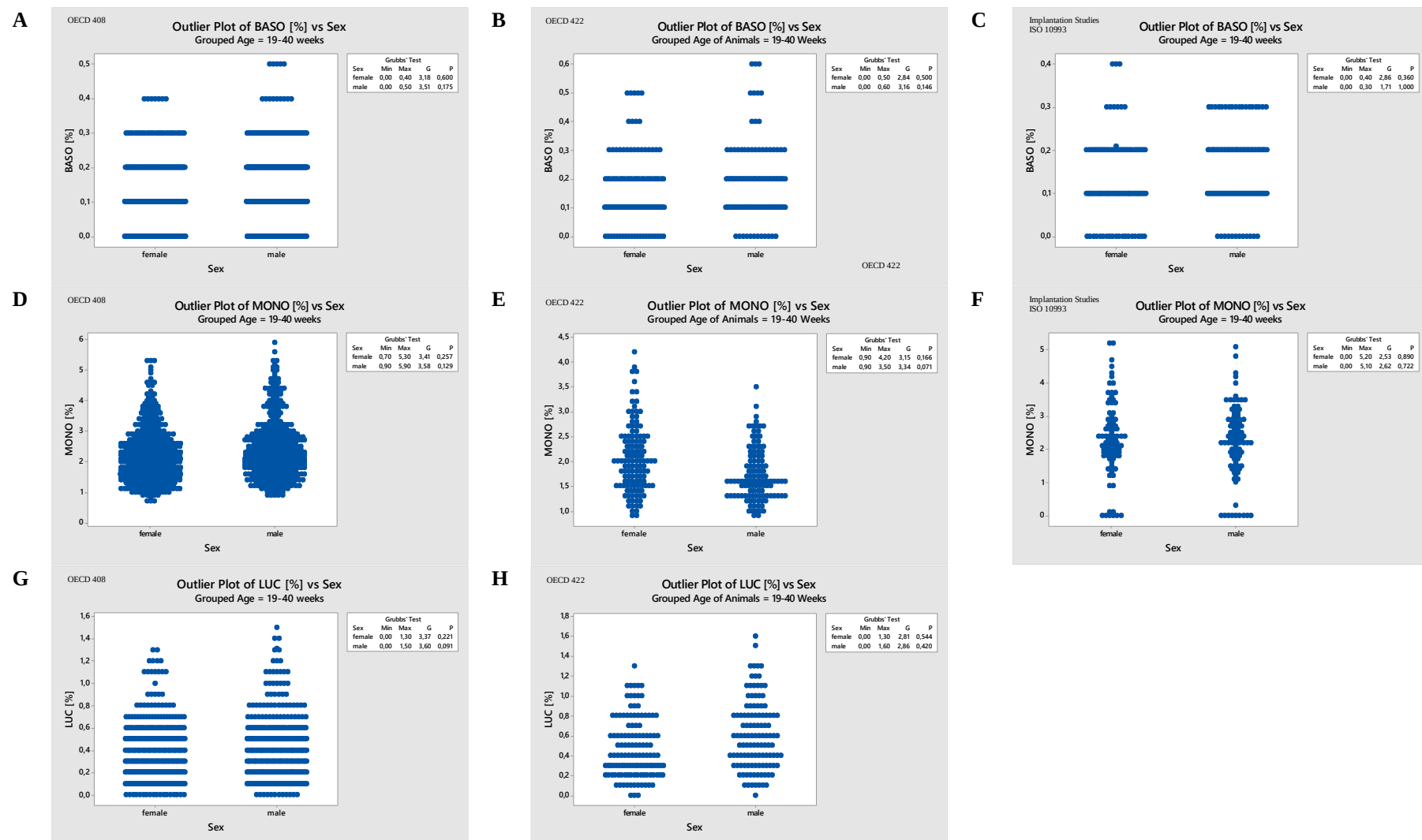


Figure S4: Grubbs' Outlier Test comparison of BASO, MONO and LUC of three different study types. Left column, repeated dose studies (OECD 408); middle column, reproduction toxicity studies (OECD 422); right column, implantation studies (ISO 10993)

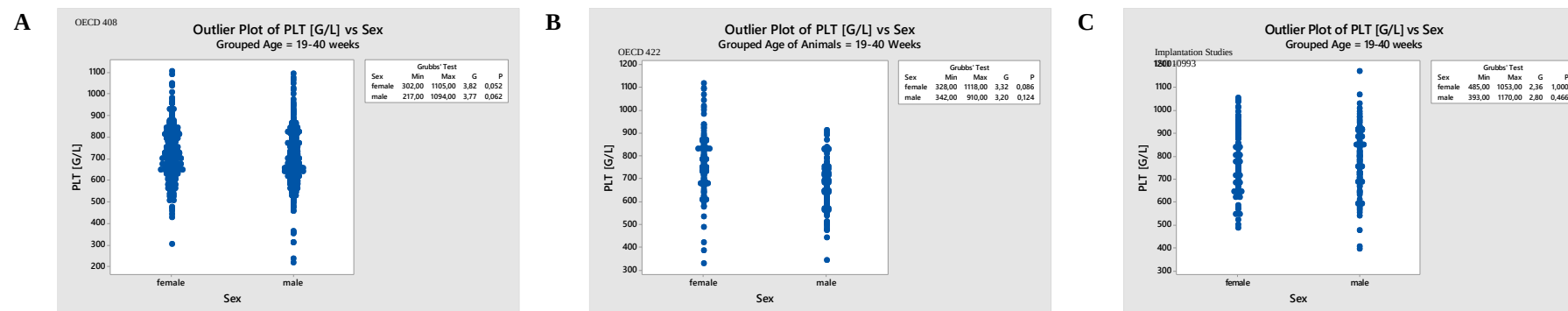


Figure S5: Grubbs' Outlier Test comparison of PLT of three different study types. Left column, repeated dose studies (OECD 408); middle column, reproduction toxicity studies (OECD 422); right column, implantation studies (ISO 10993)

Supplementary Data – Explanation and Instruction for Boxplot Interpretation

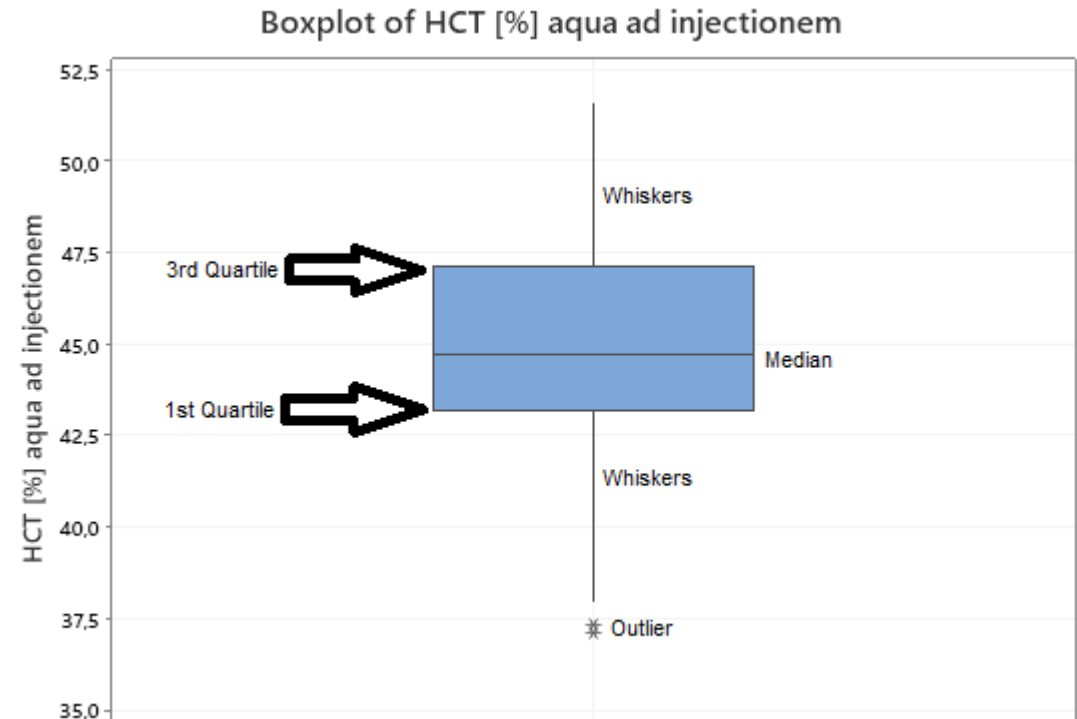
The **Median** is represented by the line in the box. The median is a common measure of the center of your data. Half the observations are less than or equal to it, and half are greater than or equal to it.

The **Interquartile Range (IQR)** box represents the middle 50% of the data. It shows the distance between the first and third quartiles (3rd Quartile-1st Quartile). This means that 25% of all values are above the 3rd quartile and 25% are below the 1st quartile.

The **Whiskers** extend from either side of the box. The whiskers represent the ranges for the bottom 25% and the top 25% of the data values, excluding outliers.

An **Outlier** is defined as an observation that lies outside the overall pattern of a distribution and is e.g. a value which falls more than 1.5 times the interquartile range above the third quartile or below the first quartile.

Two types of outliers can be distinguished. In the graphical representation on the left side a simple outlier can be seen. Extreme outliers are values which fall more than 3 times the interquartile range above the third quartile or below the first quartile.



Supplementary Data – Vehicle Effects

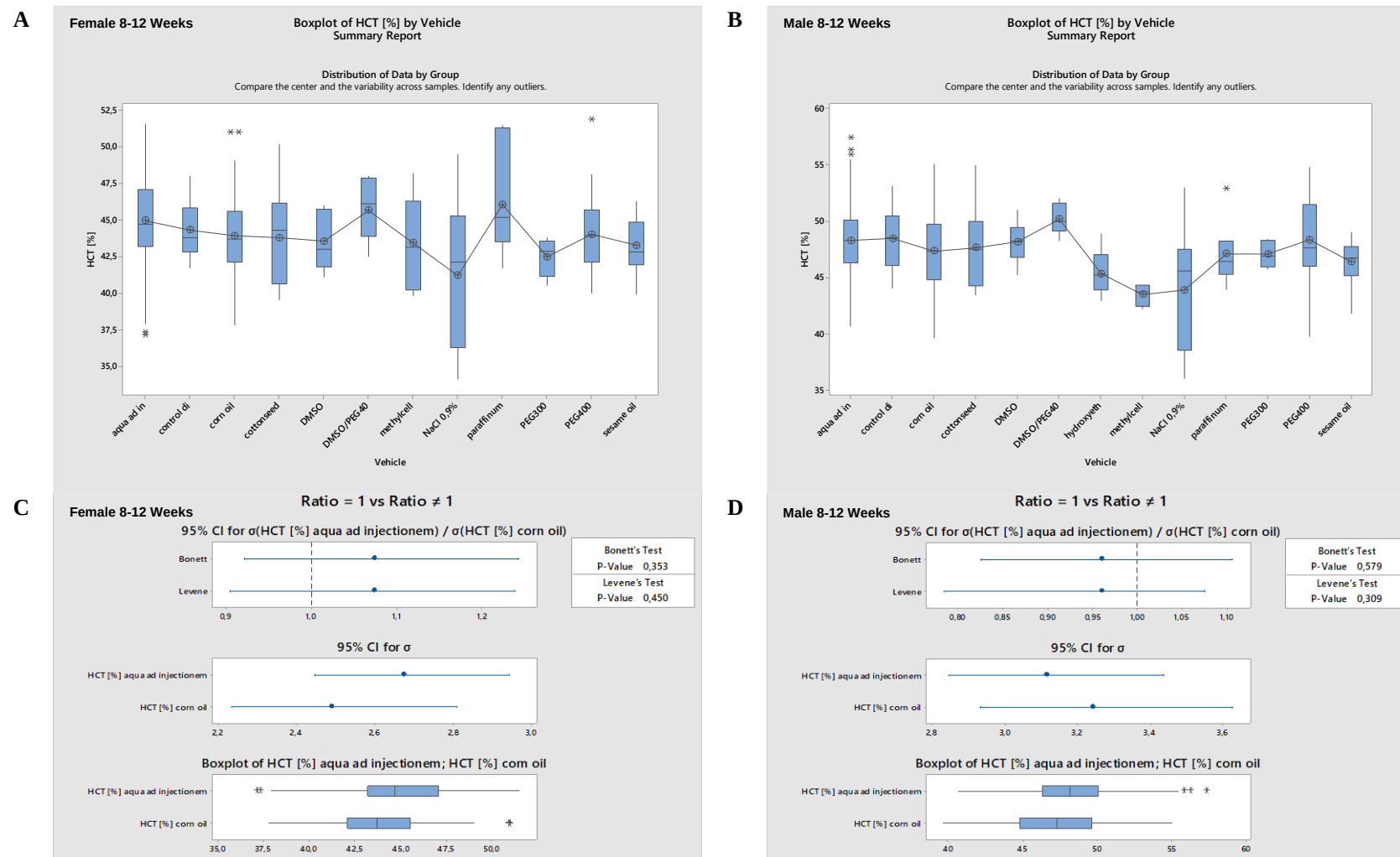


Figure S6: Boxplots - comparison of different vehicles possibly impacting hematology parameter HCT in males and females at 8-12 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test)

aqua ad injectionem, control diet, corn oil, cotton seed oil, DMSO (dimethyl sulfoxide) in water, DMSO/PEG400 (polyethylene glycol 400) 1:5, hydroxyethylcellulose, methylcellulose, NaCl 0.9%, paraffinum liquidum, PEG300 (polyethylene glycol 300), PEG400, sesame oil

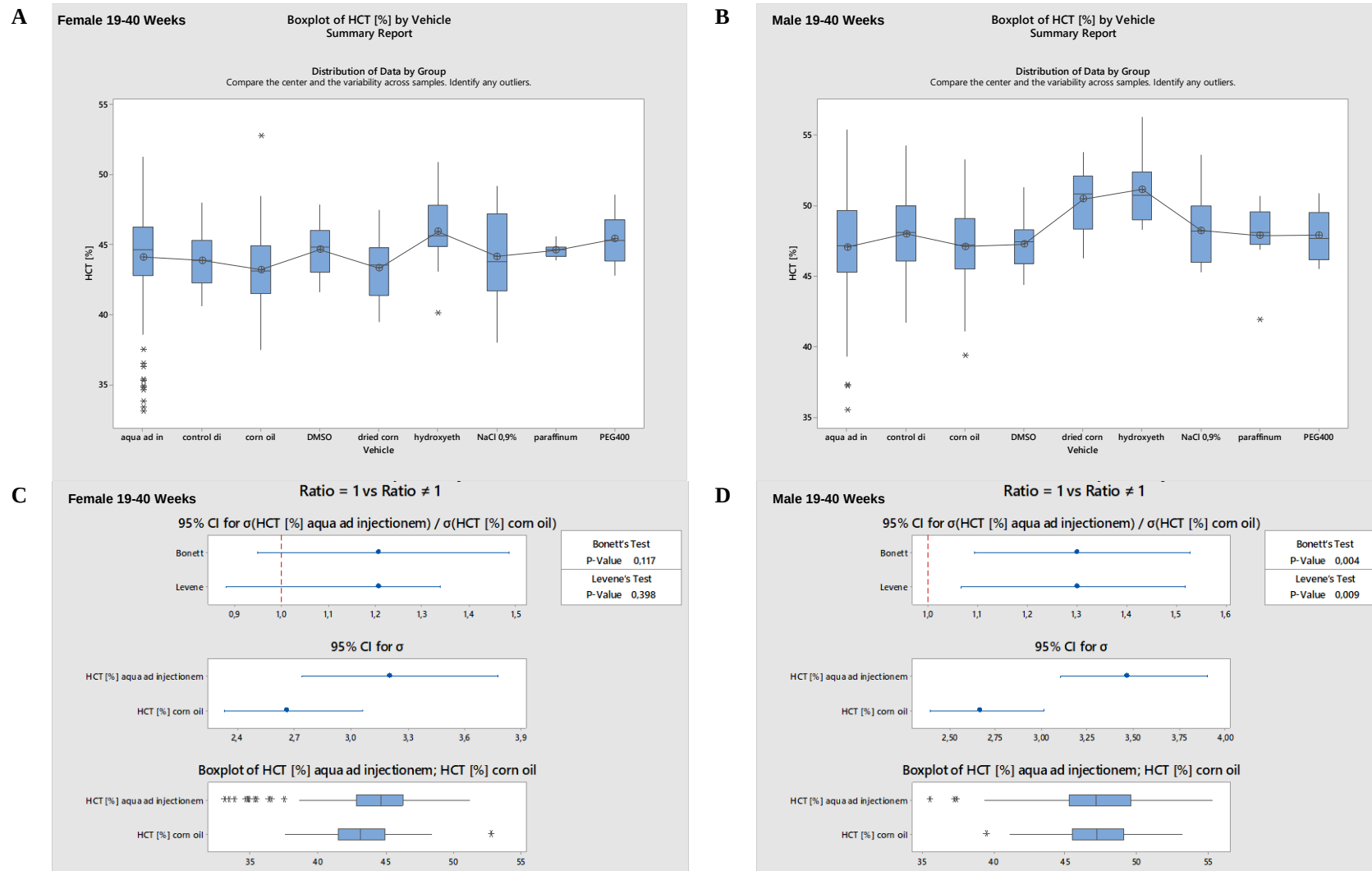


Figure S7: Boxplots - comparison of different vehicles possibly impacting hematology parameter HCT in males and females at 19-40 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, DMSO (dimethyl sulfoxide) in water, dried corn oil, hydroxyethylcellulose, NaCl 0.9%, paraffinum liquidum, PEG400

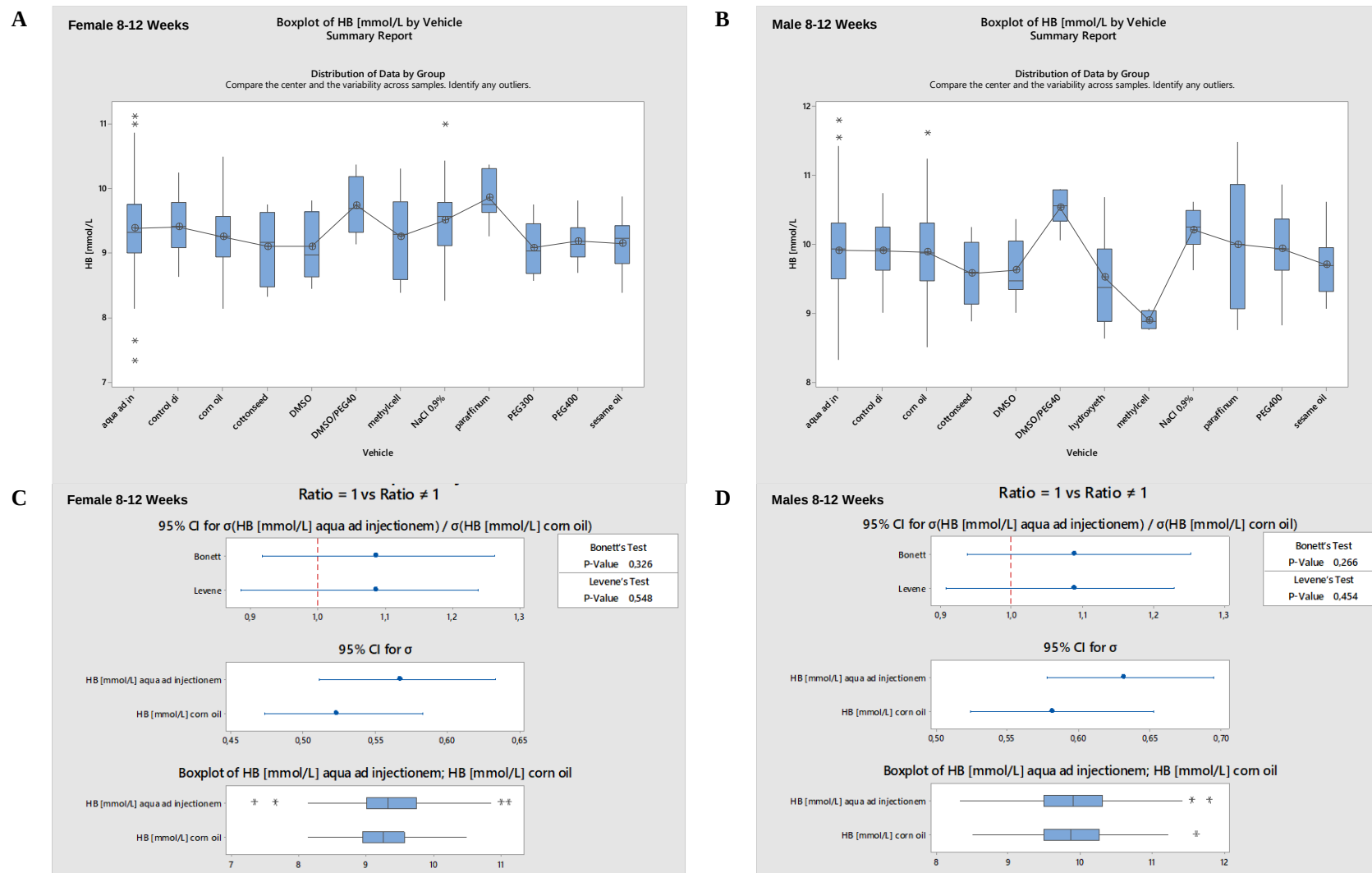


Figure S8: Boxplots - comparison of different vehicles possibly impacting hematology parameter HB in males and females at 8-12 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, cotton seed oil, DMSO (dimethyl sulfoxide) in water, DMSO/PEG400 (polyethylene glycol 400) 1:5, hydroxyethylcellulose, methylcellulose, NaCl 0.9%, paraffinum liquidum, PEG300 (polyethylene glycol 300), PEG400, sesame oil

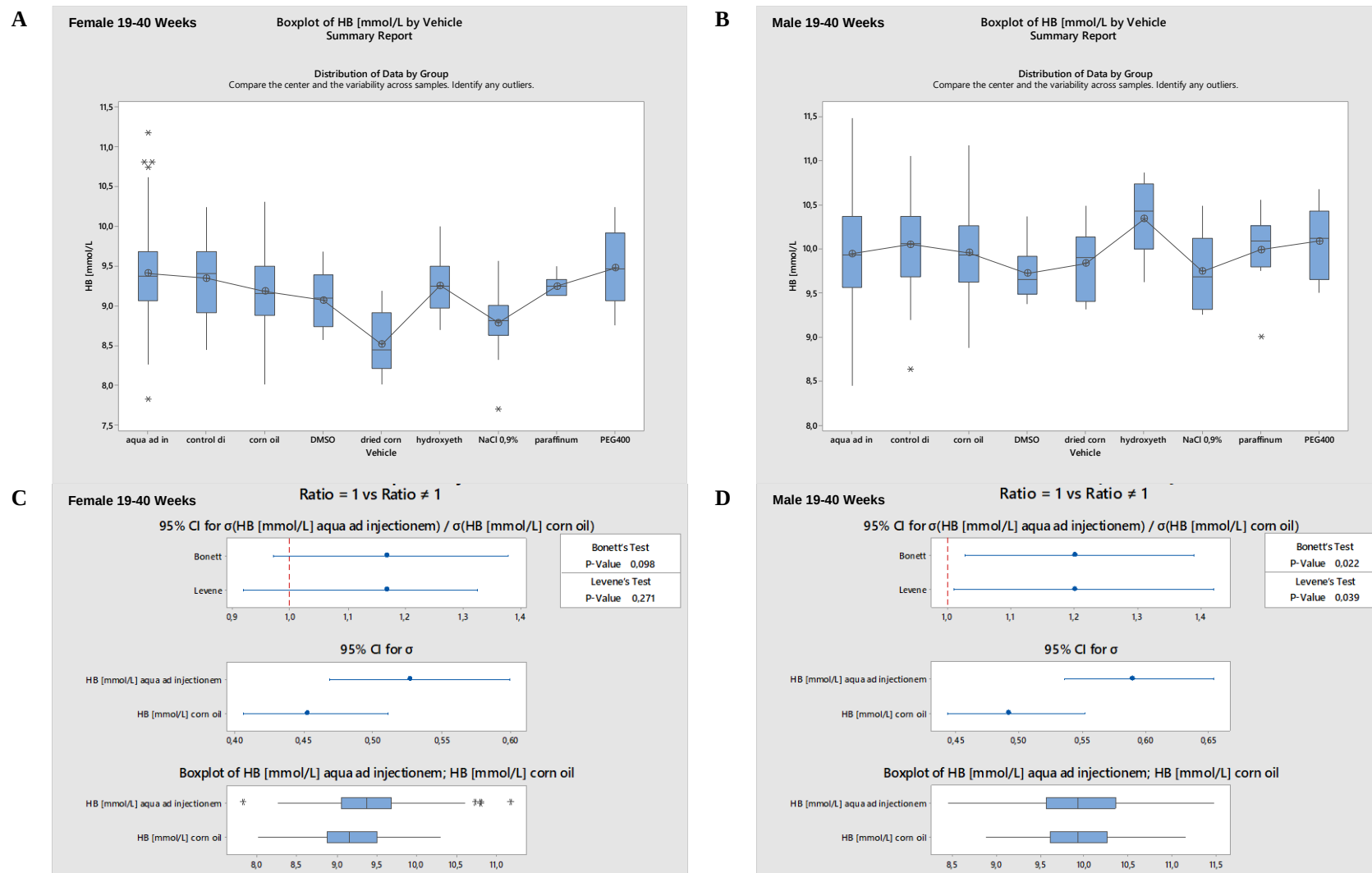


Figure S9: Boxplots - comparison of different vehicles possibly impacting hematology parameter HB in males and females at 19-40 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, DMSO (dimethyl sulfoxide) in water, dried corn oil, hydroxyethylcellulose, NaCl 0.9%, paraffinum liquidum, PEG400

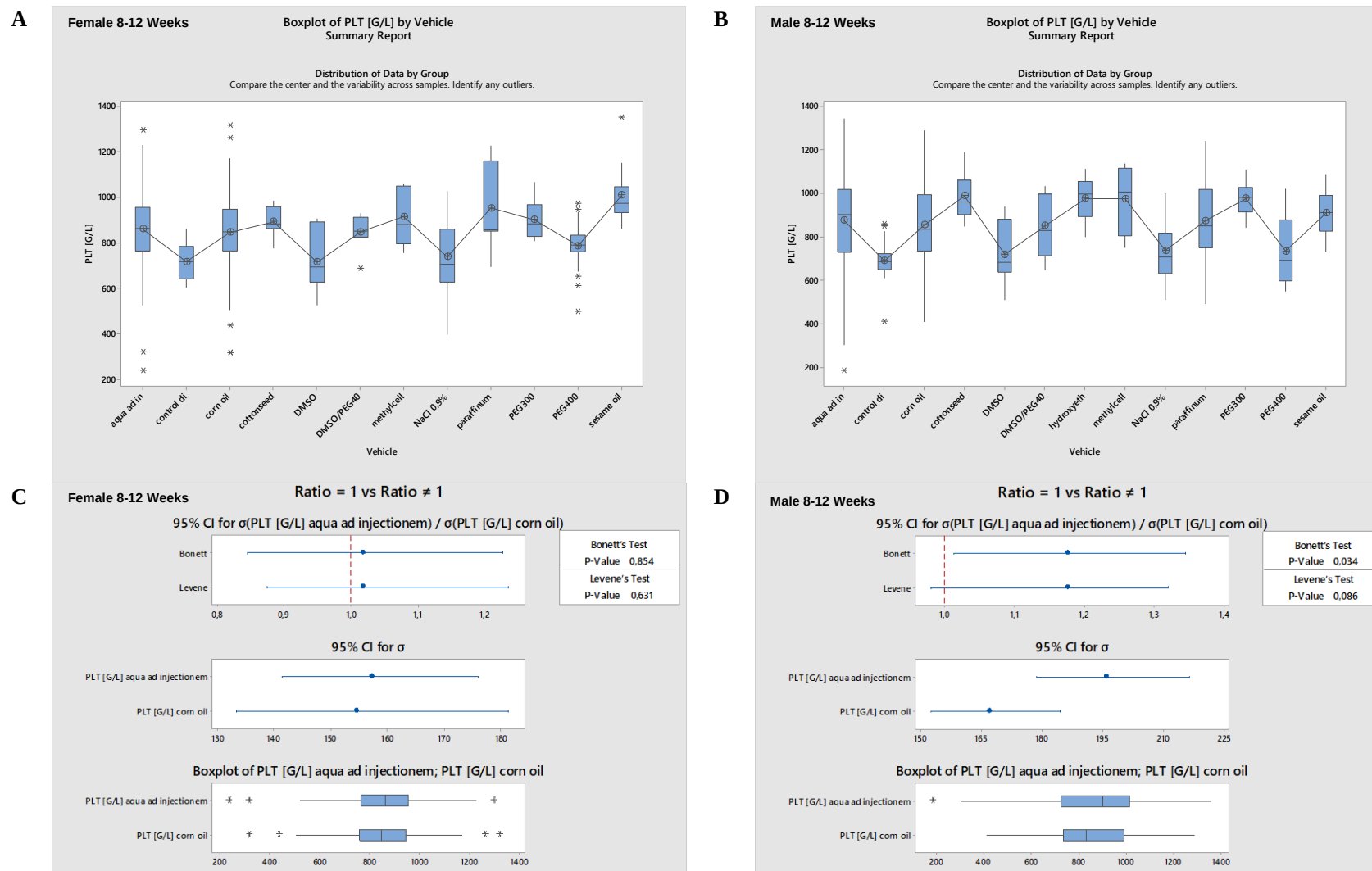


Figure S10: Boxplots - comparison of different vehicles possibly impacting hematology parameter PLT in males and females at 8-12 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, cotton seed oil, DMSO (dimethyl sulfoxide) in water, DMSO/PEG400 (polyethylene glycol 400) 1:5, hydroxyethylcellulose, methylcellulose, NaCl 0.9%, paraffinum liquidum, PEG300 (polyethylene glycol 300), PEG400, sesame oil

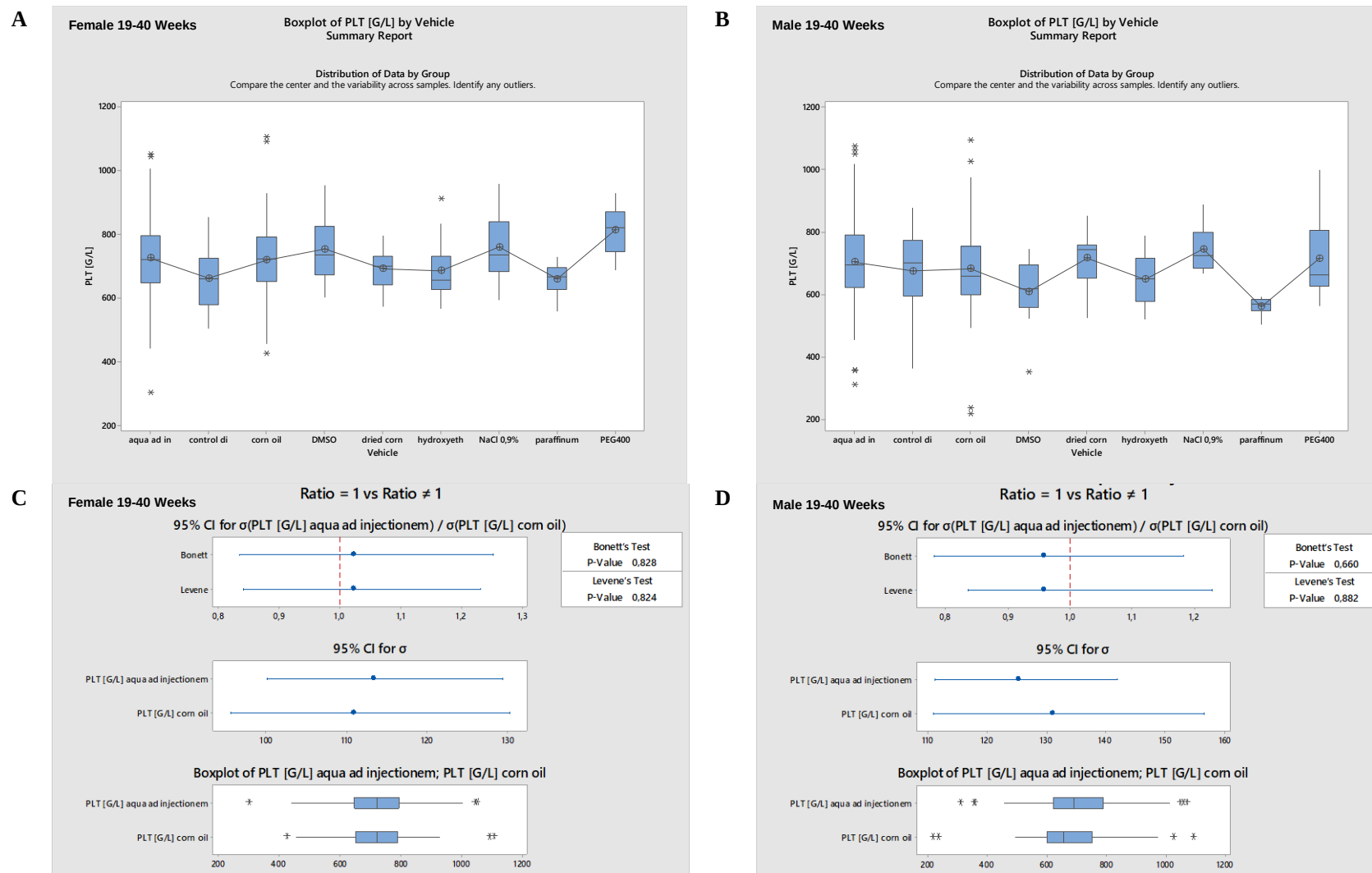


Figure S11: Boxplots - comparison of different vehicles possibly impacting hematology parameter PLT in males and females at 19-40 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test)
aqua ad injectionem, control diet, corn oil, DMSO (dimethyl sulfoxide) in water, dried corn oil, hydroxyethylcellulose, NaCl 0.9%, paraffinum liquidum, PEG400

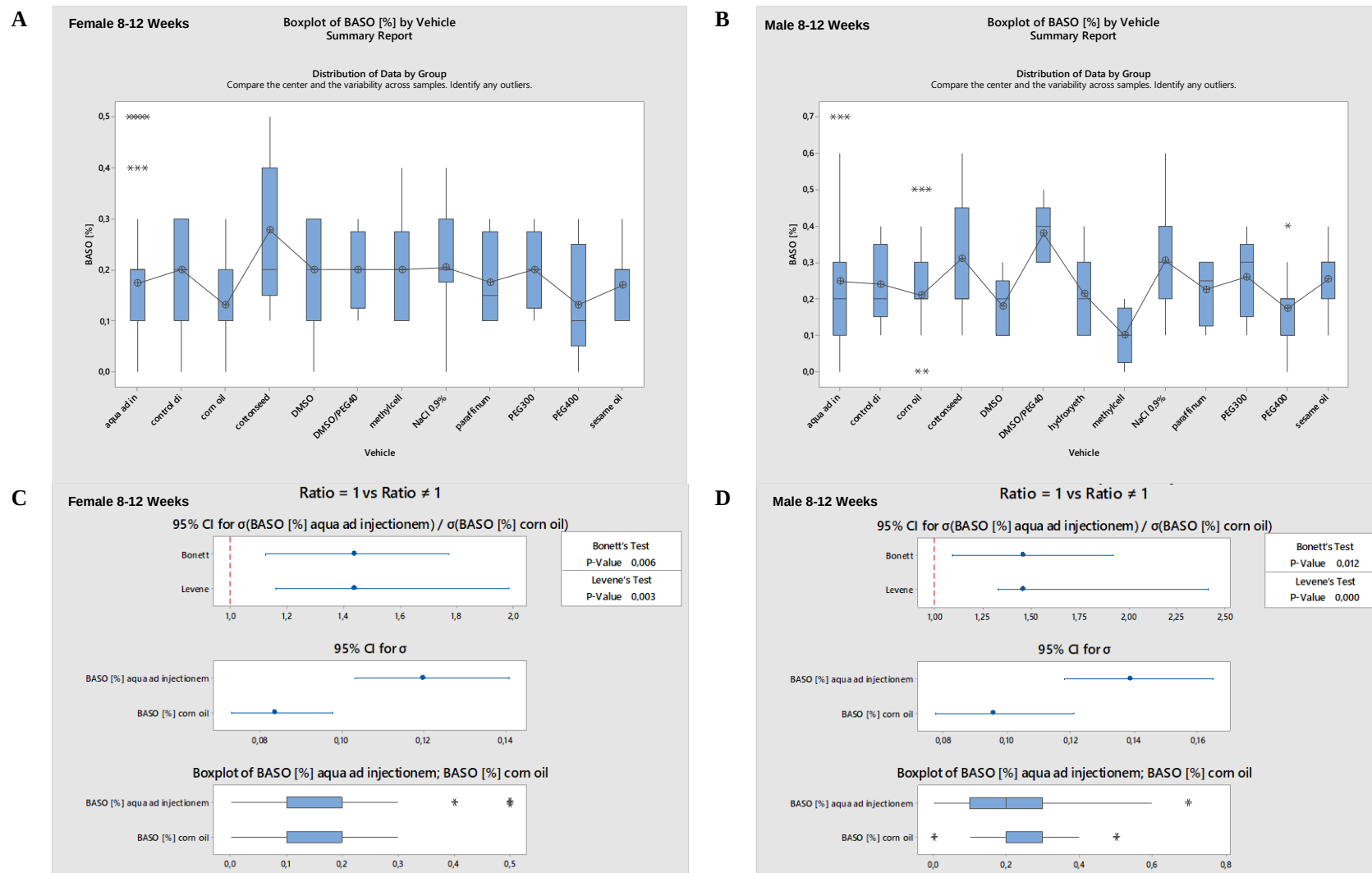


Figure S12: Boxplots - comparison of different vehicles possibly impacting hematology parameter BASO in males and females at 8-12 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, cotton seed oil, DMSO (dimethyl sulfoxide) in water, DMSO/PEG400 (polyethylene glycol 400) 1:5, hydroxyethylcellulose, methylcellulose, NaCl 0.9%, paraffinum liquidum, PEG300 (polyethylene glycol 300), PEG400, sesame oil

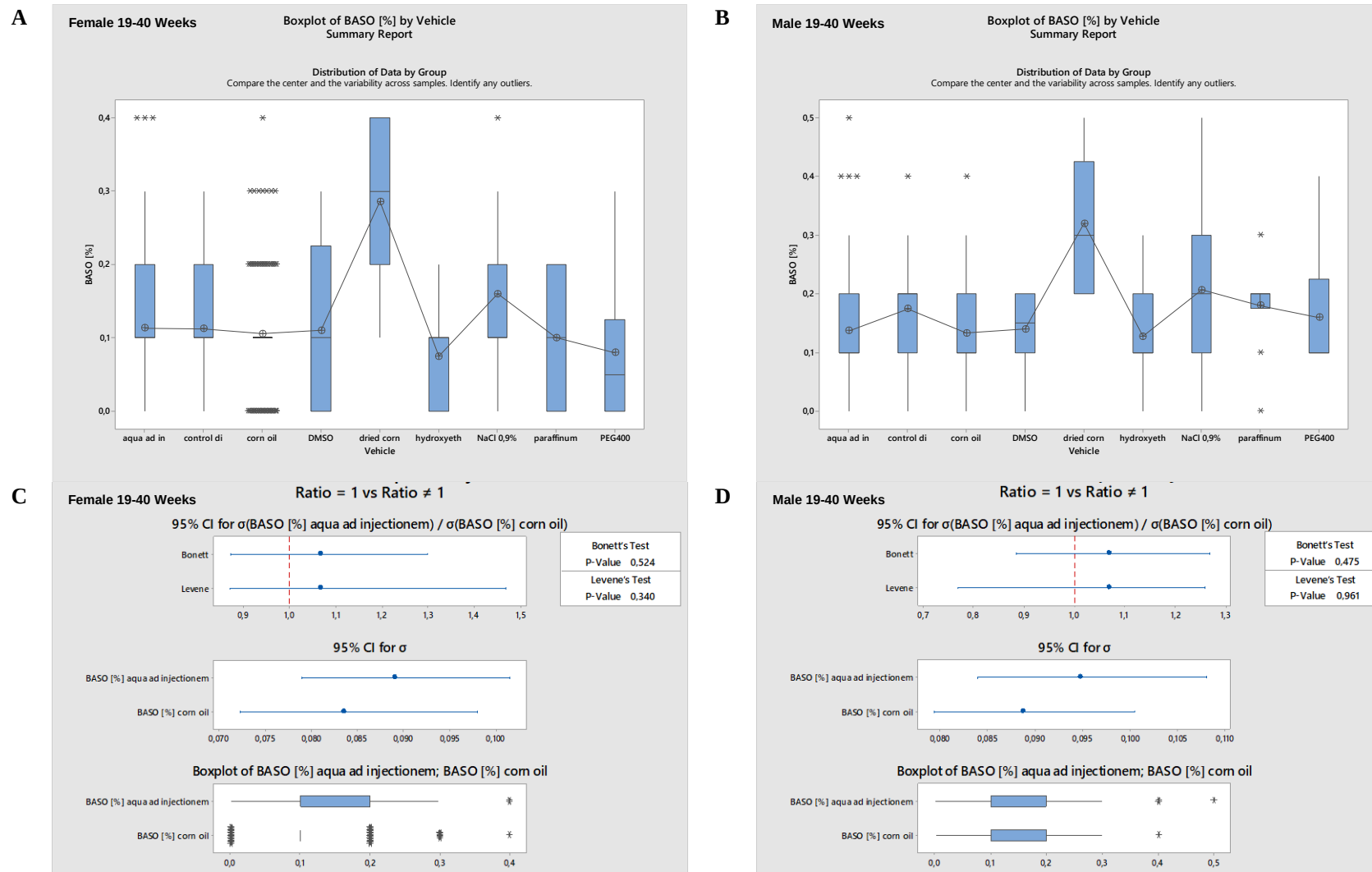


Figure S13: Boxplots - comparison of different vehicles possibly impacting hematology parameter BASO in males and females at 19-40 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, DMSO (dimethyl sulfoxide) in water, dried corn oil, hydroxyethylcellulose, NaCl 0.9%, paraffinum liquidum, PEG400

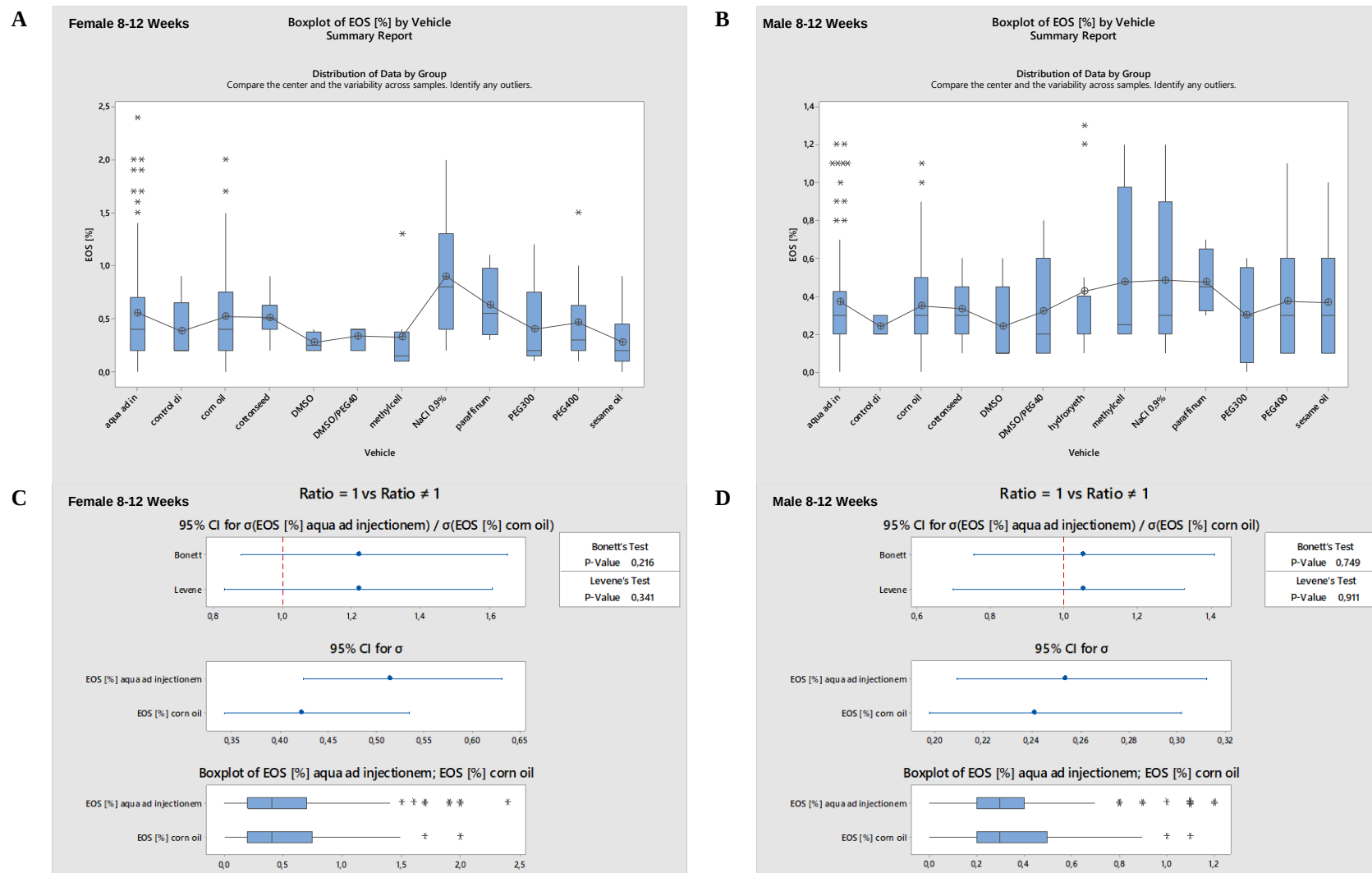


Figure S14: Boxplots - comparison of different vehicles possibly impacting hematology parameter EOS in males and females at 8-12 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, cotton seed oil, DMSO (dimethyl sulfoxide) in water, DMSO/PEG400 (polyethylene glycol 400) 1:5, hydroxyethylcellulose, methylcellulose, NaCl 0.9%, paraffinum liquidum, PEG300 (polyethylene glycol 300), PEG400, sesame oil

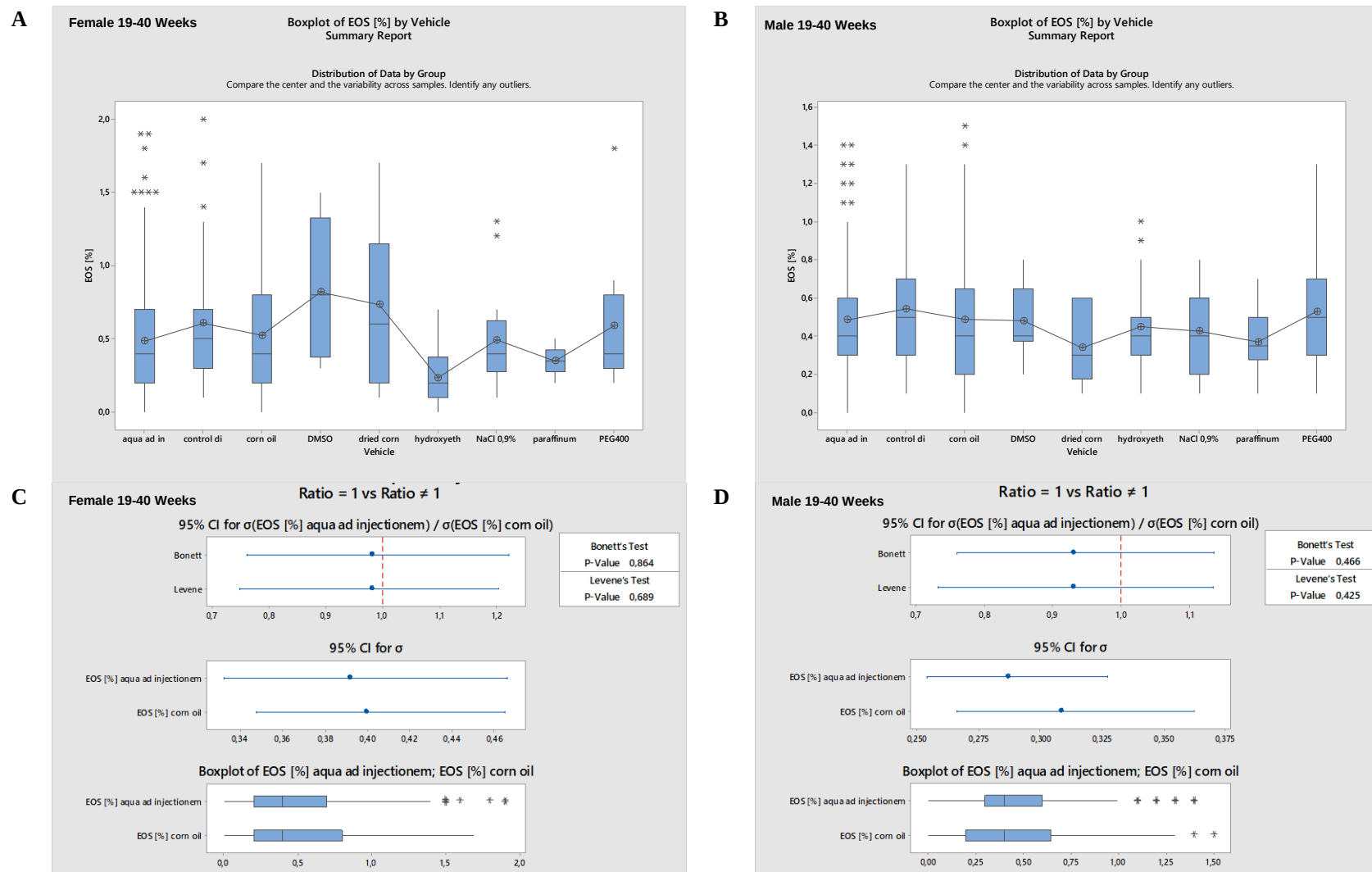


Figure S15: Boxplots - comparison of different vehicles possibly impacting hematology parameter EOS in males and females at 19-40 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, DMSO (dimethyl sulfoxide) in water, dried corn oil, hydroxyethylcellulose, NaCl 0.9%, paraffinum liquidum, PEG400

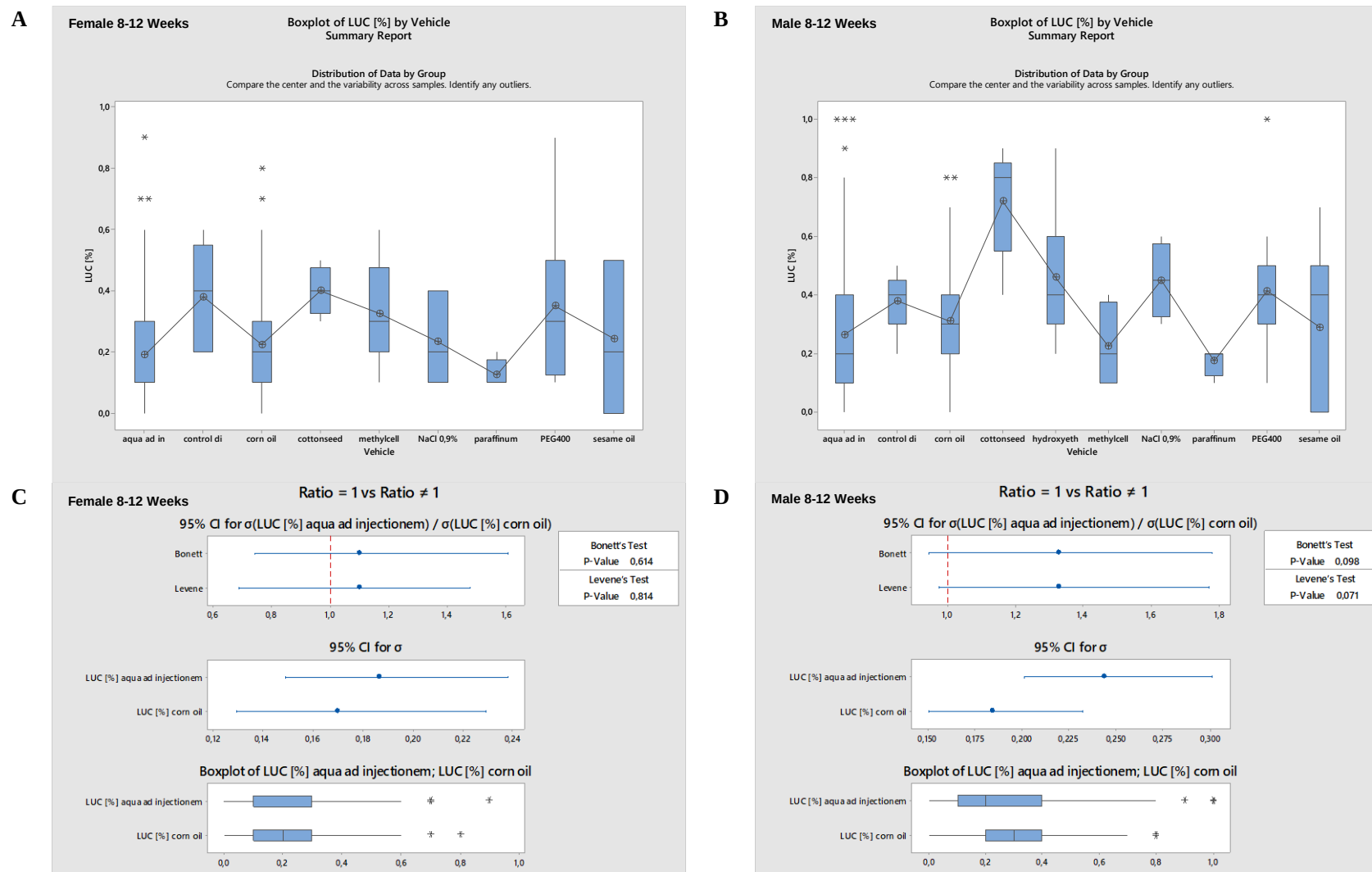


Figure S16: Boxplots - comparison of different vehicles possibly impacting hematology parameter LUC in males and females at 8-12 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test)
aqua ad injectionem, control diet, corn oil, cotton seed oil, hydroxyethylcellulose, methylcellulose, NaCl 0.9%, paraffinum liquidum, PEG400, sesame oil

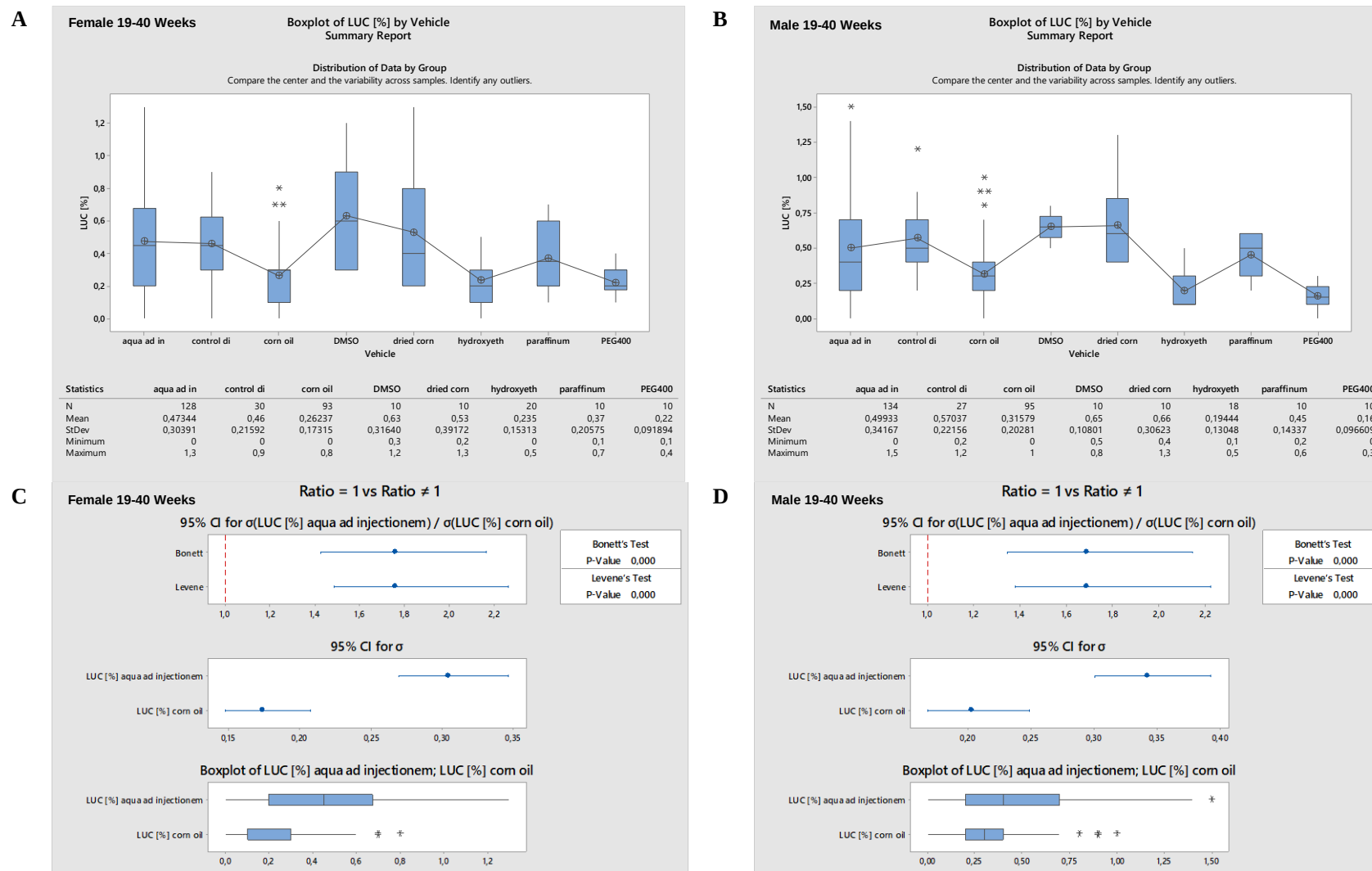


Figure S17: Boxplots - comparison of different vehicles possibly impacting hematology parameter LUC in males and females at 19-40 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, DMSO (dimethyl sulfoxide) in water, dried corn oil, hydroxyethylcellulose, NaCl 0.9%, paraffinum liquidum, PEG400

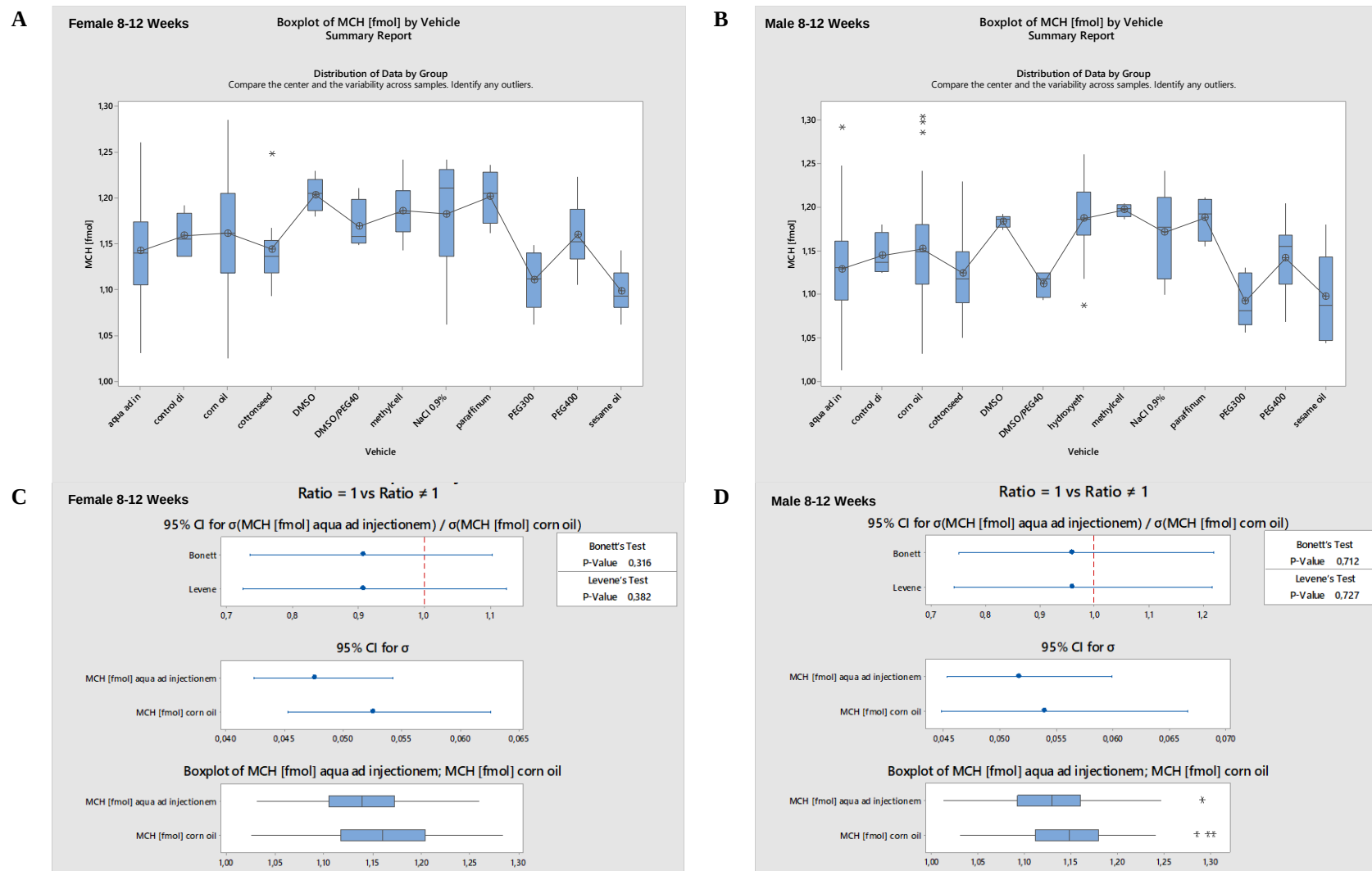


Figure S18: Boxplots - comparison of different vehicles possibly impacting hematology parameter MCH in males and females at 8-12 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, cotton seed oil, DMSO (dimethyl sulfoxide) in water, DMSO/PEG400 (polyethylene glycol 400) 1:5, hydroxyethylcellulose, methylcellulose, NaCl 0.9%, paraffinum liquidum, PEG300 (polyethylene glycol 300), PEG400, sesame oil

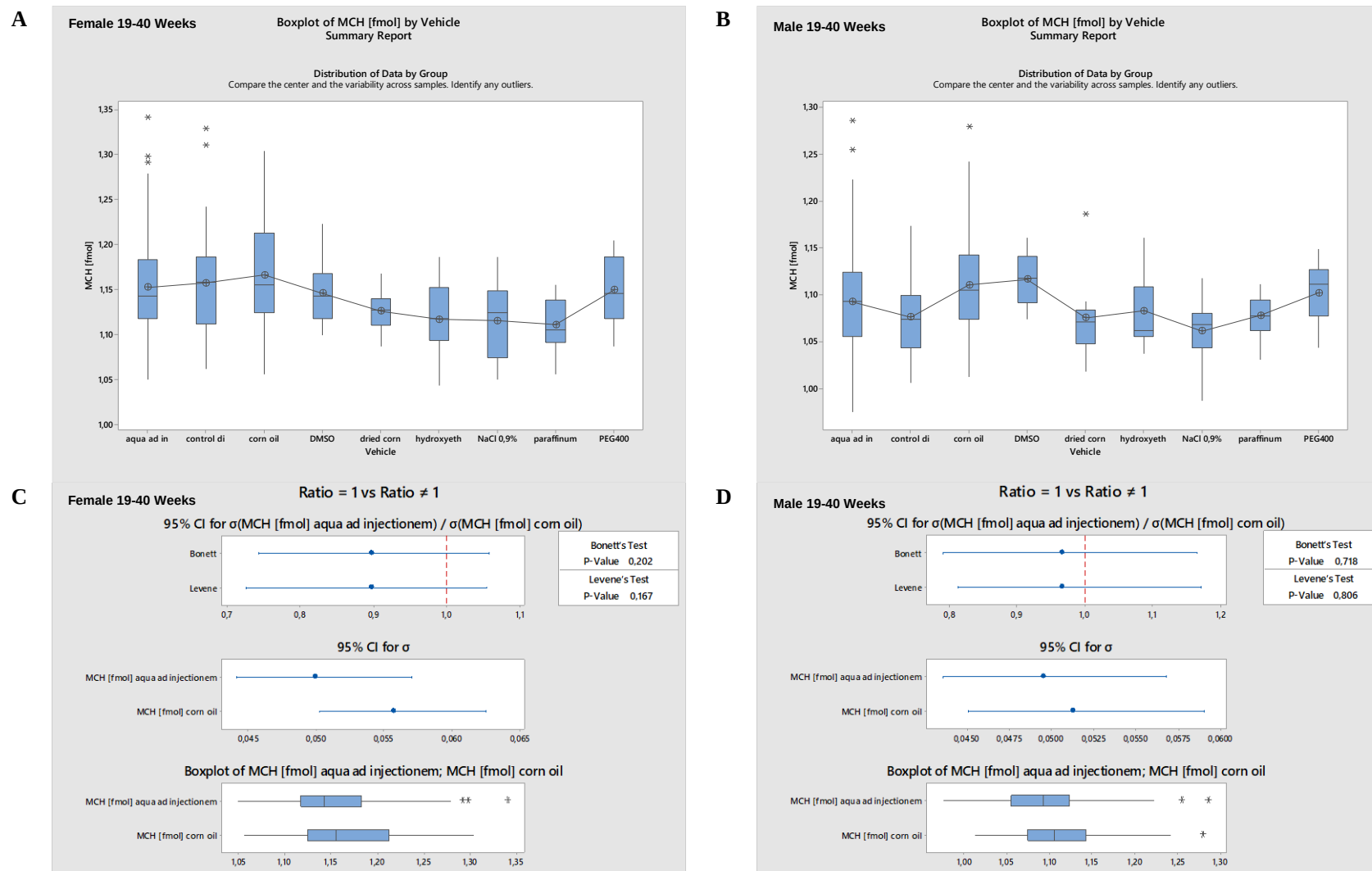


Figure S19: Boxplots - comparison of different vehicles possibly impacting hematology parameter MCH in males and females at 19-40 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, DMSO (dimethyl sulfoxide) in water, dried corn oil, hydroxyethylcellulose, NaCl 0.9%, paraffinum liquidum, PEG400

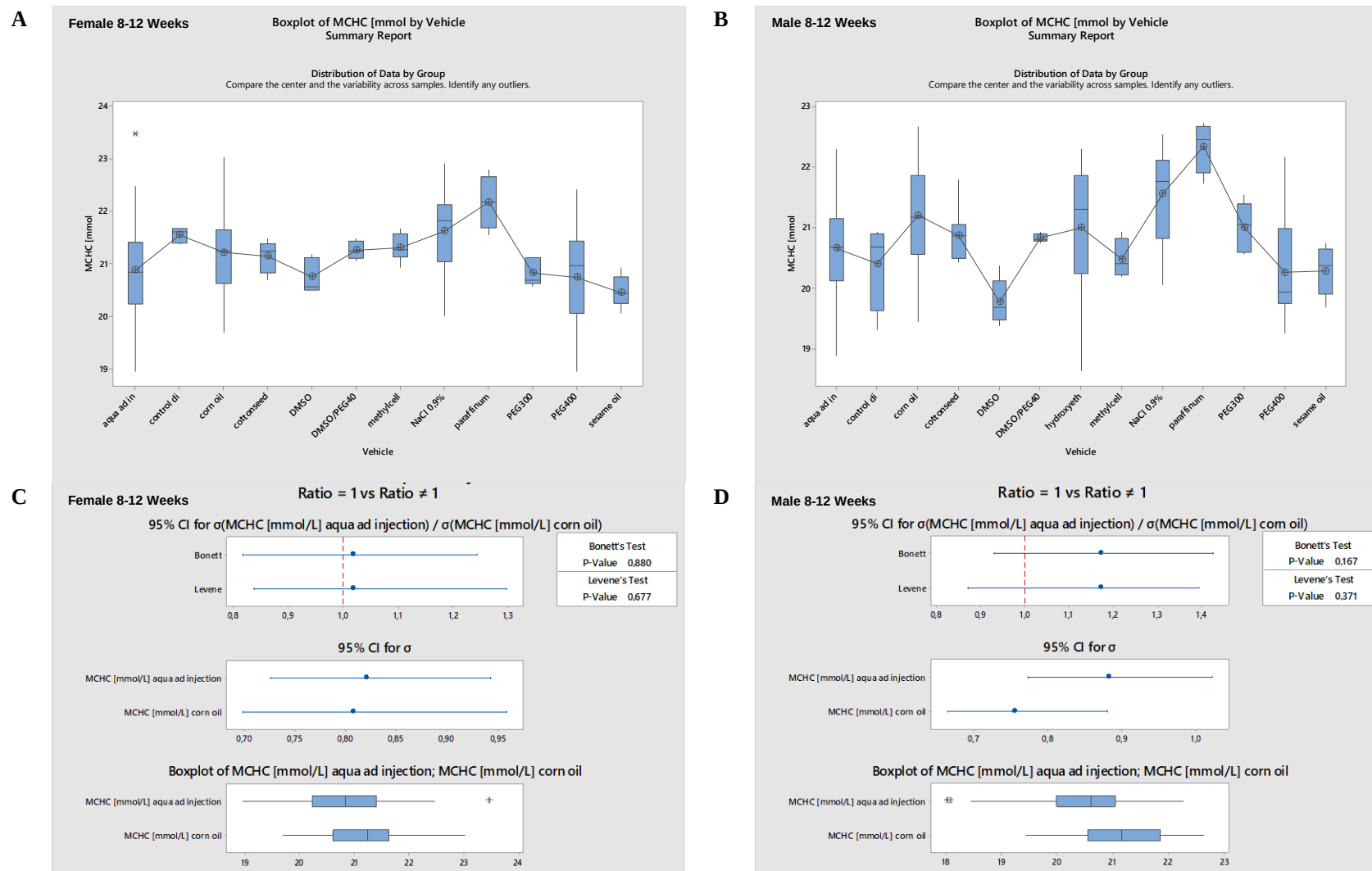


Figure S20: Boxplots - comparison of different vehicles possibly impacting hematology parameter MCHC in males and females at 8-12 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, cotton seed oil, DMSO (dimethyl sulfoxide) in water, DMSO/PEG400 (polyethylene glycol 400) 1:5, hydroxyethylcellulose, methylcellulose, NaCl 0.9%, paraffinum liquidum, PEG300 (polyethylene glycol 300), PEG400, sesame oil

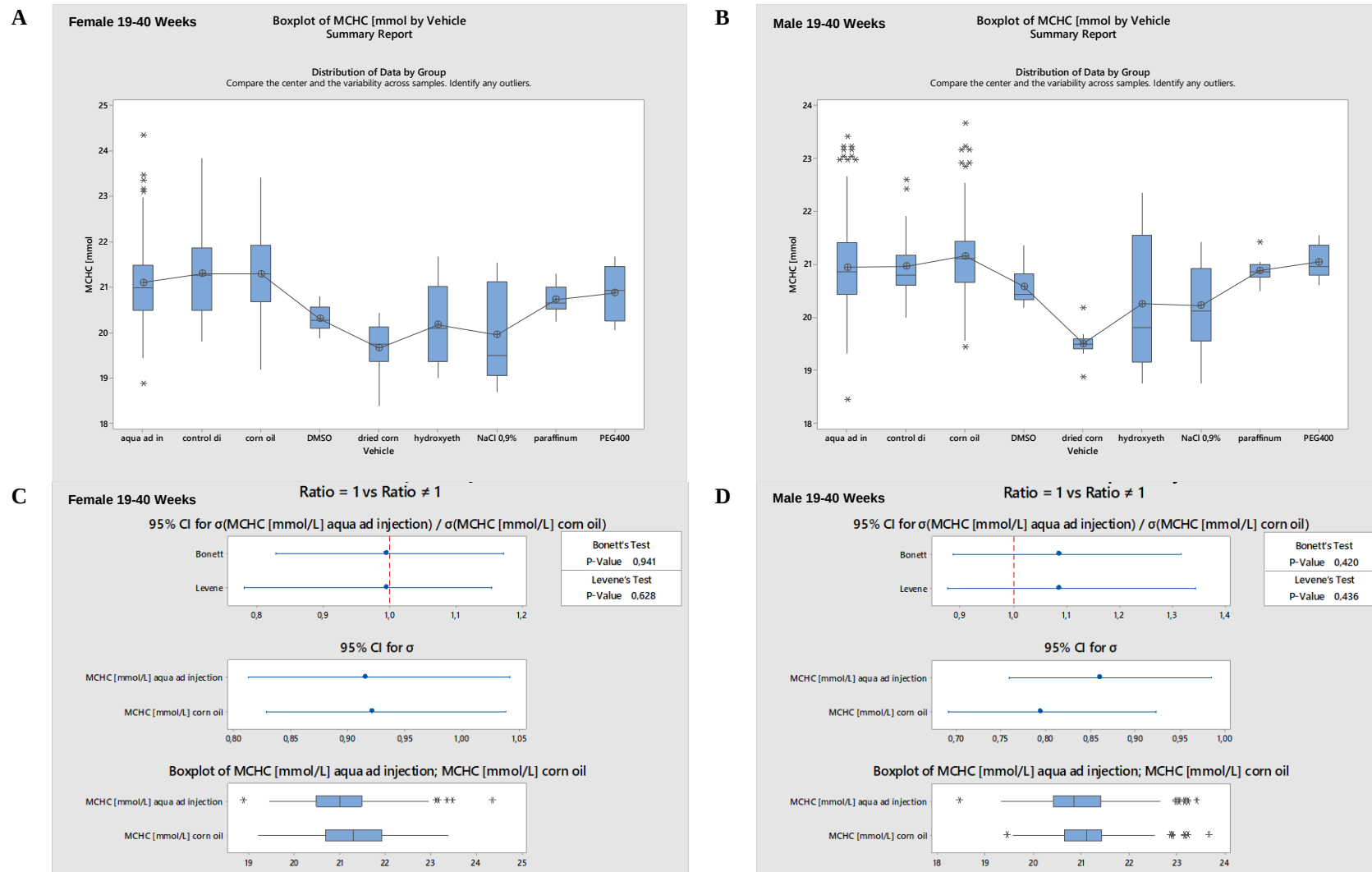


Figure S21: Boxplots - comparison of different vehicles possibly impacting hematology parameter MCHC in males and females at 19-40 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, DMSO (dimethyl sulfoxide) in water, dried corn oil, hydroxyethylcellulose, NaCl 0.9%, paraffinum liquidum, PEG400

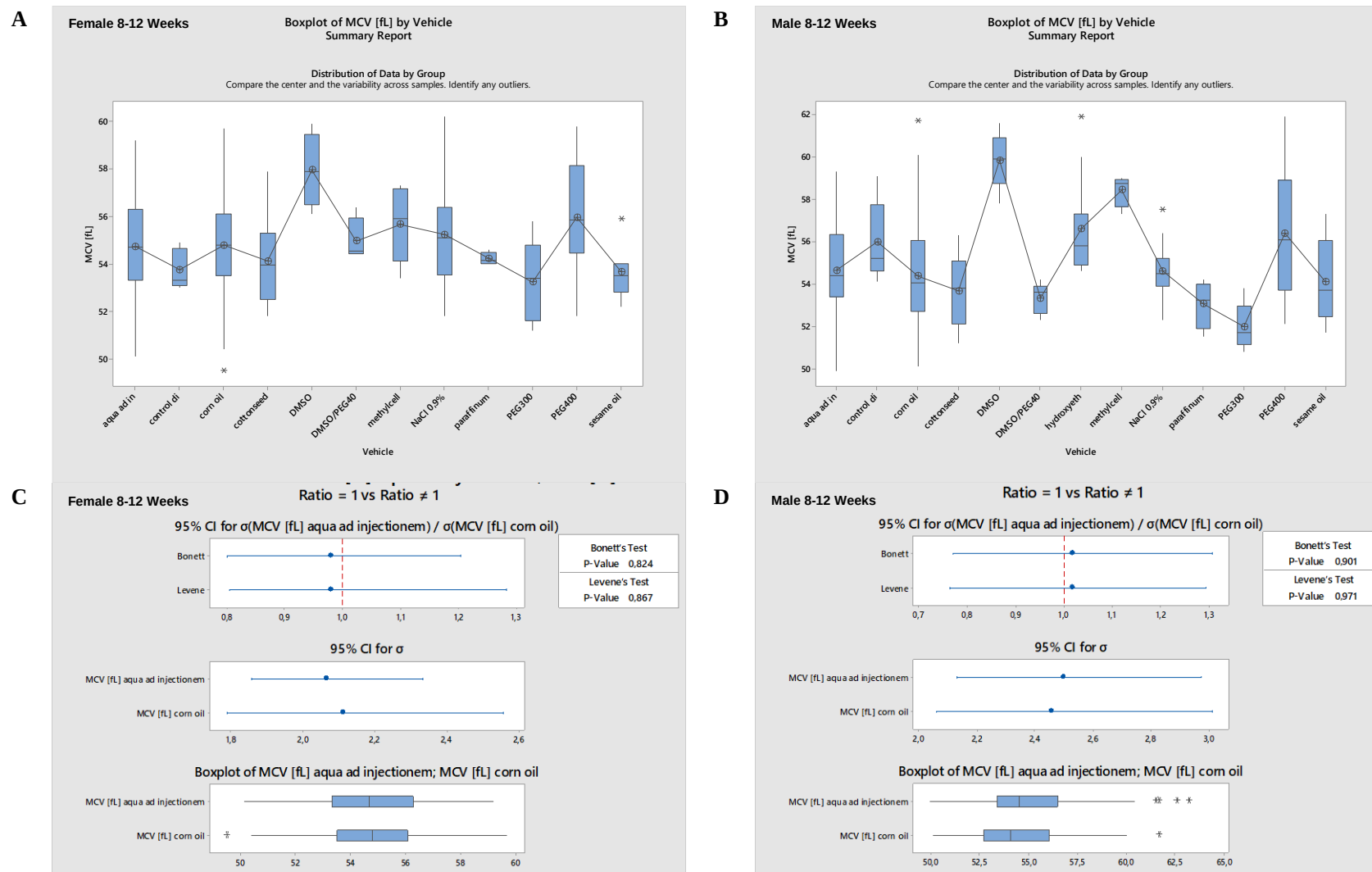


Figure S22: Boxplots - comparison of different vehicles possibly impacting hematology parameter MCV in males and females at 8-12 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, cotton seed oil, DMSO (dimethyl sulfoxide) in water, DMSO/PEG400 (polyethylene glycol 400) 1:5, hydroxyethylcellulose, methylcellulose, NaCl 0.9%, paraffinum liquidum, PEG300 (polyethylene glycol 300), PEG400, sesame oil

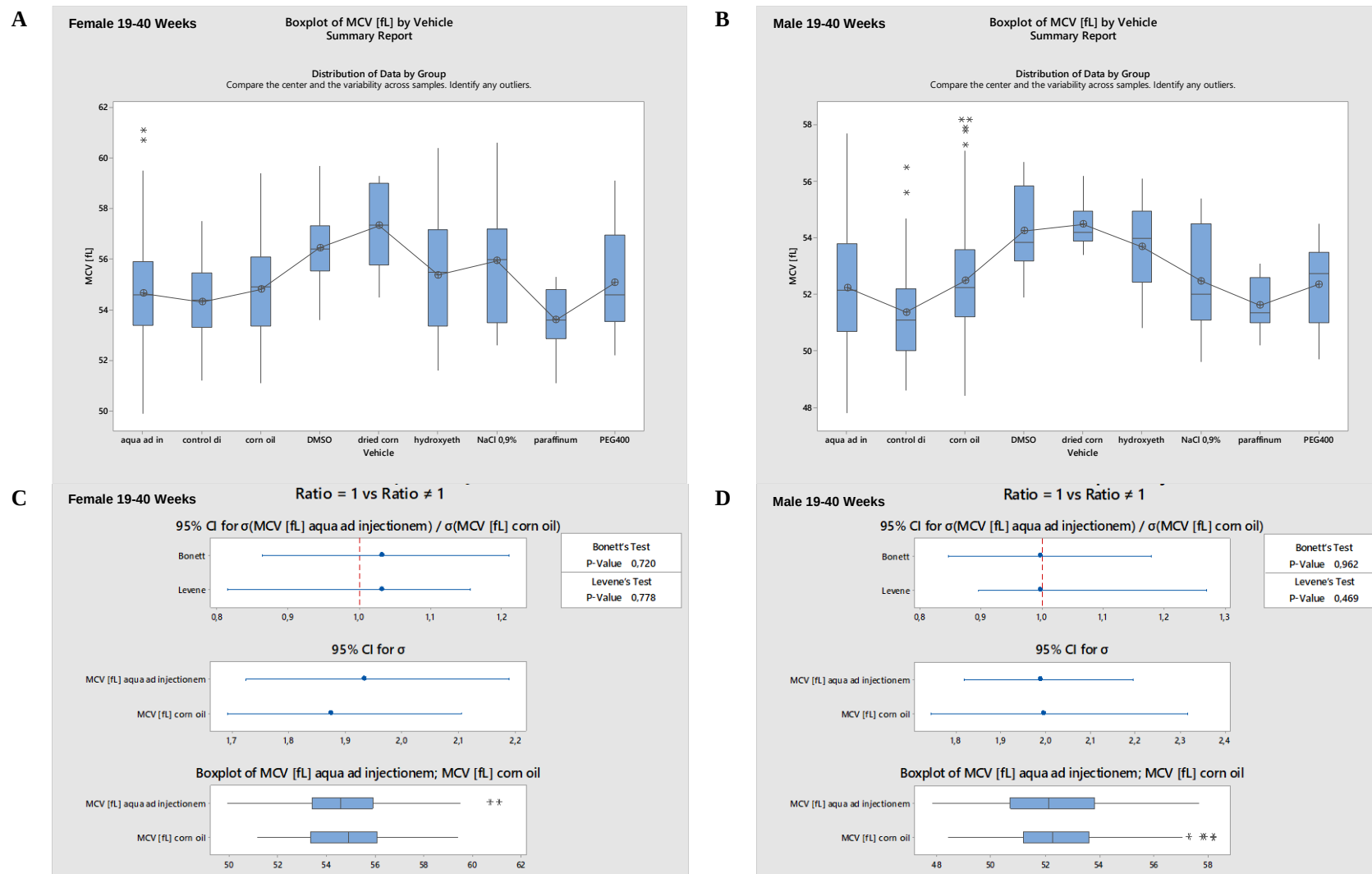


Figure S23: Boxplots - comparison of different vehicles possibly impacting hematology parameter MCV in males and females at 19-40 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, DMSO (dimethyl sulfoxide) in water, dried corn oil, hydroxyethylcellulose, NaCl 0.9%, paraffinum liquidum, PEG400

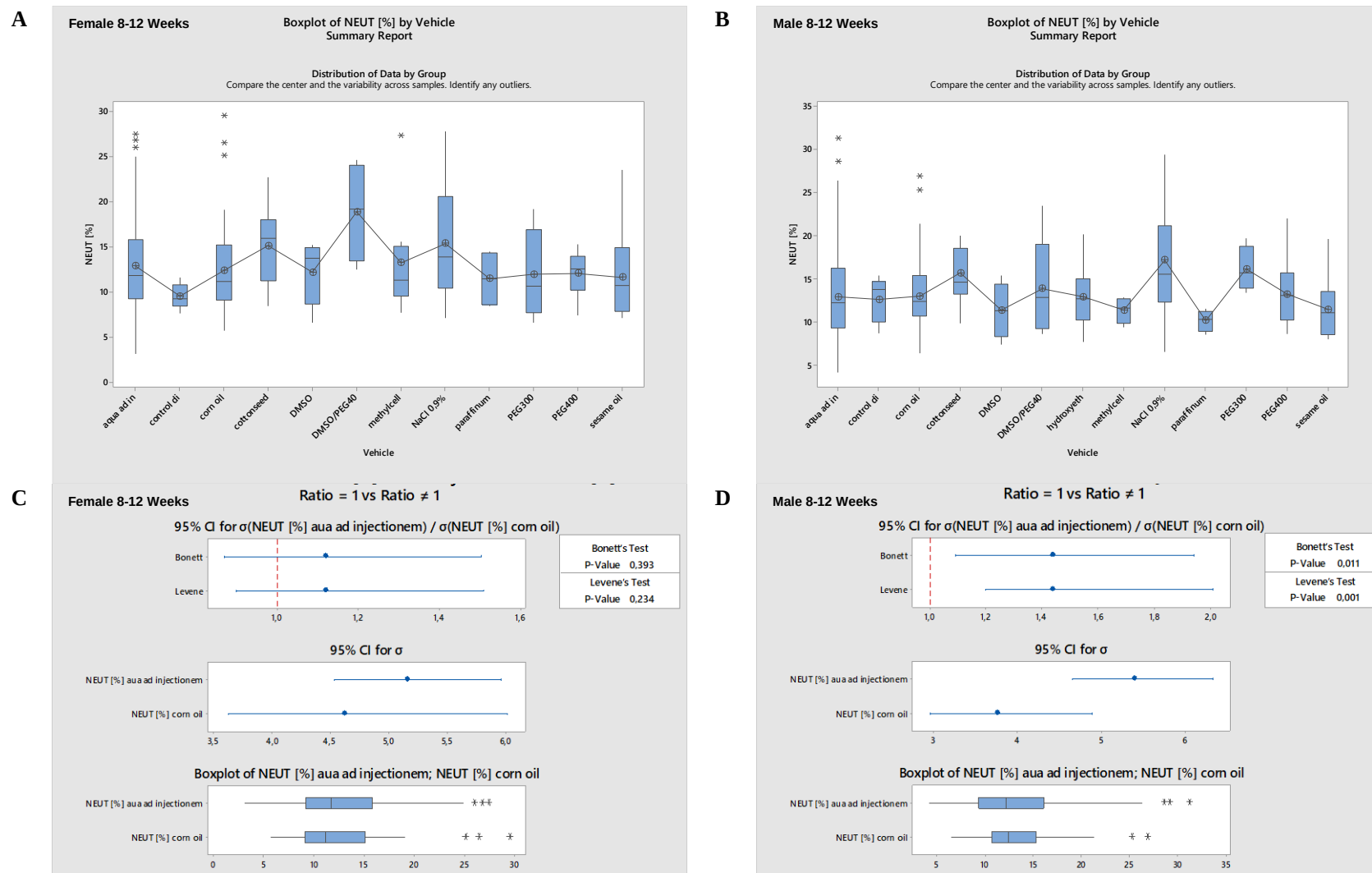


Figure S24: Boxplots - comparison of different vehicles possibly impacting hematology parameter NEUT in males and females at 8-12 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, cotton seed oil, DMSO (dimethyl sulfoxide) in water, DMSO/PEG400 (polyethylene glycol 400) 1:5, hydroxyethylcellulose, methylcellulose, NaCl 0.9%, paraffinum liquidum, PEG300 (polyethylene glycol 300), PEG400, sesame oil

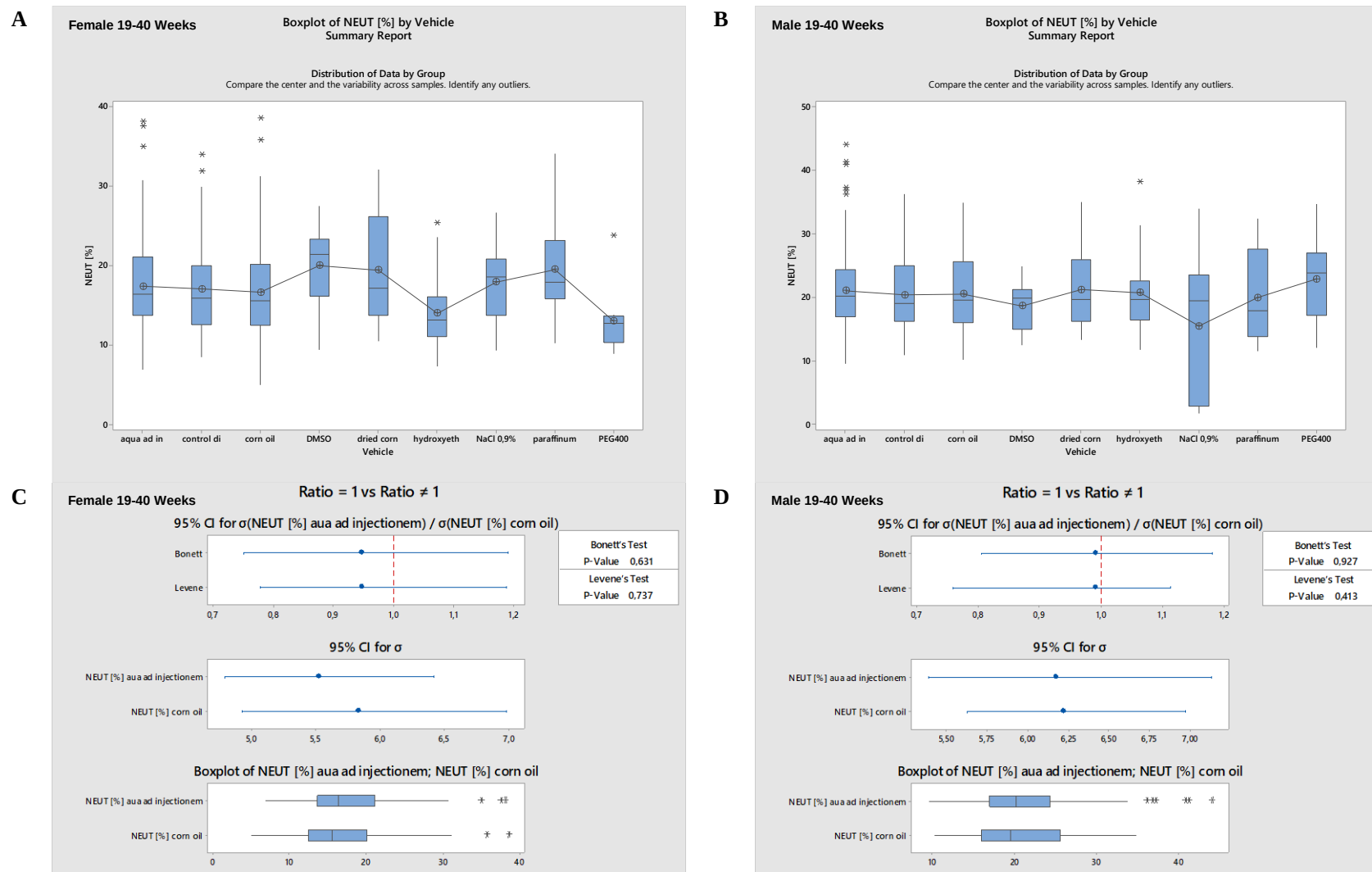


Figure S25: Boxplots - comparison of different vehicles possibly impacting hematology parameter NEUT in males and females at 19-40 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test)
aqua ad injectionem, control diet, corn oil, DMSO (dimethyl sulfoxide) in water, dried corn oil, hydroxyethylcellulose, NaCl 0.9%, paraffinum liquidum, PEG400

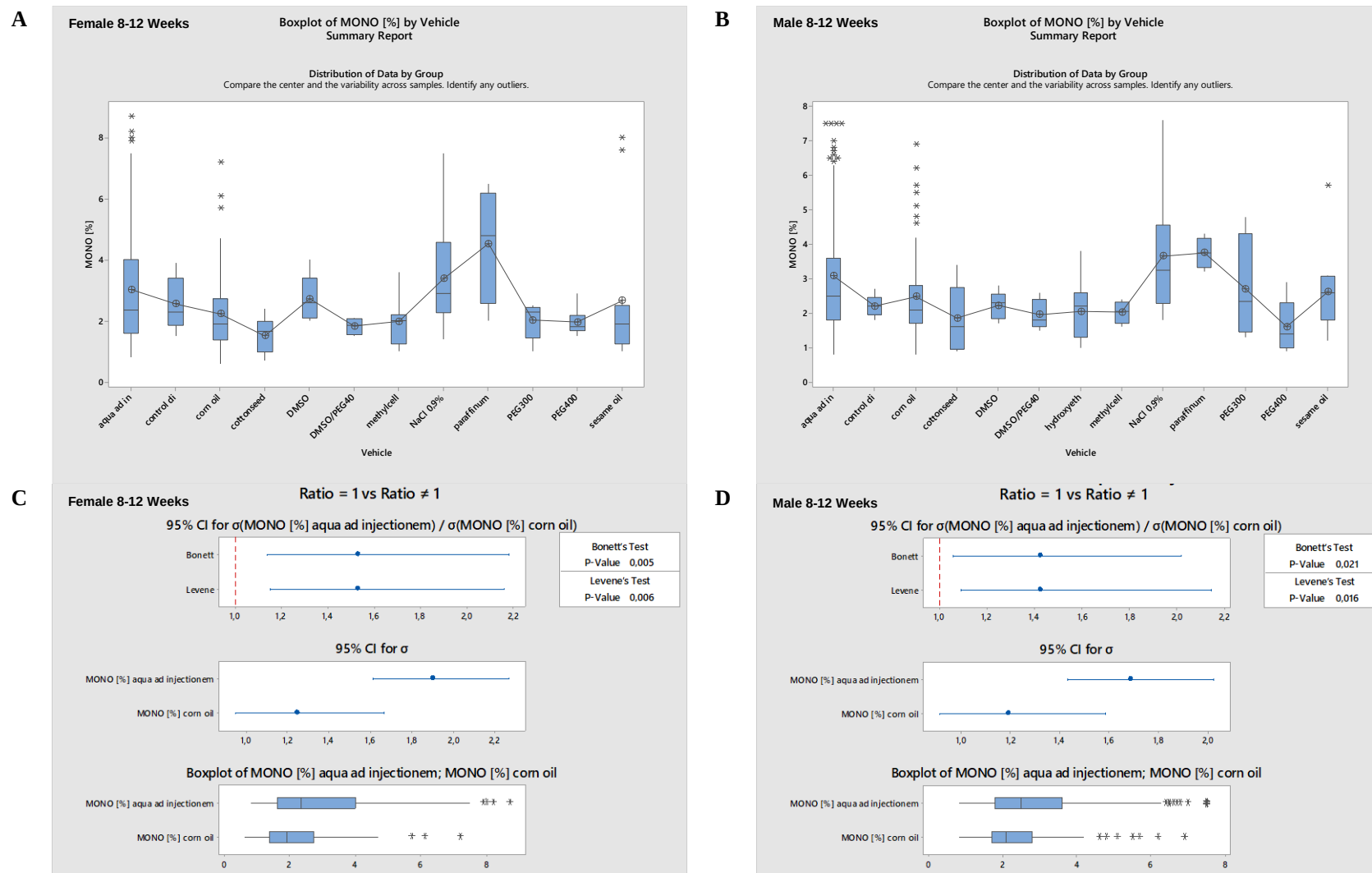


Figure S26: Boxplots - comparison of different vehicles possibly impacting hematology parameter MONO in males and females at 8-12 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, cotton seed oil, DMSO (dimethyl sulfoxide) in water, DMSO/PEG400 (polyethylene glycol 400) 1:5, hydroxyethylcellulose, methylcellulose, NaCl 0.9%, paraffinum liquidum, PEG300 (polyethylene glycol 300), PEG400, sesame oil

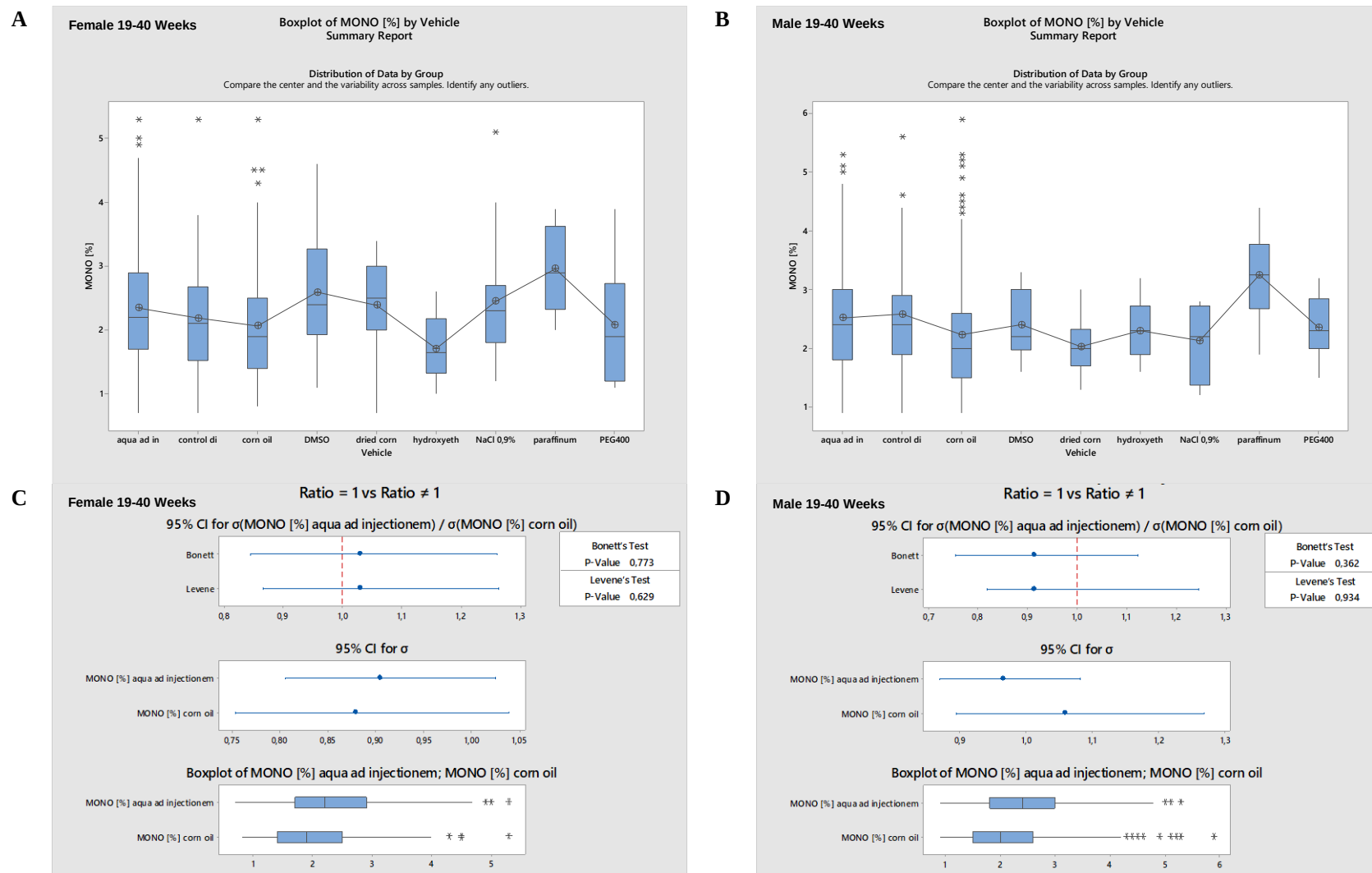


Figure S27: Boxplots - comparison of different vehicles possibly impacting hematology parameter MONO in males and females at 19-40 weeks of age as well as corresponding variance analysis plots (Bonett's and Levene's test) aqua ad injectionem, control diet, corn oil, DMSO (dimethyl sulfoxide) in water, dried corn oil, hydroxyethylcellulose, NaCl 0.9%, paraffinum liquidum, PEG400

Supplementary Data – Comparison of Crl:WI(Han) collected at BSL BIOSERVICE and RccHanTM:WIST data collected at RCC Ltd/Harlan Laboratories Ltd.

Table S1: Comparison of RBC, HB, HCT and MCV of Crl:WI(Han) and RccHanTM:WIST using paired t-test analysis showing no difference (yes) or significant difference (no)

Parameter	Sex	Age in (weeks)	Crl:WI(Han)					RccHan TM :WIST					Paired T-Test	Offset
			N	Mean	SD	Min	Max	N	Mean	SD	Min	Max	CI 95%	Absolute
RBC [T/L]	M	8-12	721	8.51	0.67	6.09	10.41	1932	8.32	0.47	6.53	10.59	Yes	0.20
		13-18	259	8.99	0.56	7.20	10.38	881	8.55	0.44	6.91	9.98	No	
		19-40	433	9.07	0.62	6.88	10.47	1598	8.88	0.46	6.15	10.39	Yes	
	F	8-12	684	8.01	0.54	6.08	9.68	1812	7.98	0.41	5.87	9.62	Yes	0.00
		13-18	250	8.26	0.49	6.60	9.72	904	7.93	0.41	6.71	9.40	No	
		19-40	432	8.04	0.53	6.12	9.56	1645	8.05	0.41	6.48	9.34	Yes	
HB [mmol/L]	M	8-12	719	9.9	0.6	7.4	11.8	1932	9.9	0.5	8.0	11.5	Yes	0.00
		13-18	256	10.0	0.6	8.2	11.9	881	10.0	0.4	8.4	11.3	Yes	
		19-40	433	10.0	0.6	8.4	12.0	1598	10.0	0.4	6.3	11.2	Yes	
	F	8-12	685	9.3	0.6	7.3	11.1	1812	9.6	0.4	6.2	11.1	Yes	0.30
		13-18	250	9.4	0.5	8.1	10.9	904	9.7	0.4	8.4	10.9	Yes	
		19-40	433	9.3	0.5	7.7	11.2	1645	9.6	0.4	7.5	11.2	Yes	
HCT [%]	M	8-12	721	47.4	3.3	36.0	57.4	1932	45.0	2.0	33.0	54.0	Yes	2.5
		13-18	259	47.5	2.8	38.6	55.1	881	45.0	2.0	36.0	52.0	Yes	
		19-40	434	47.6	3.2	35.5	56.3	1598	45.0	2.0	29.0	52.0	Yes	
	F	8-12	684	44.1	2.9	34.1	52.8	1812	43.0	2.0	28.0	50.0	Yes	1.2
		13-18	249	44.4	2.4	37.0	53.0	904	43.0	2.0	35.0	49.0	Yes	
		19-40	433	44.1	2.9	33.1	55.2	1645	43.0	2.0	33.0	51.0	Yes	
MCV [fL]	M	8-12	448	55.4	2.6	49.9	63.6	1932	54.7	2.6	45.8	64.4	Yes	0.55
		13-18	222	52.6	1.8	47.4	57.7	881	53.1	2.6	46.0	60.5	No	
		19-40	430	52.5	2.0	47.8	58.2	1598	50.7	2.4	43.5	61.8	No	
	F	8-12	423	55.0	2.3	49.5	62.9	1812	54.0	2.4	46.4	61.5	No	0.55
		13-18	212	53.5	2.0	49.2	60.3	904	54.7	2.7	46.5	63.6	No	
		19-40	434	54.9	2.0	49.9	61.1	1645	53.6	2.4	45.8	63.3	No	

Table S2: Comparison of MCH, MCHC, RET and WBC of Crl:WI(Han) and RccHanTM:WIST using paired t-test analysis showing no difference (yes) or significant difference (no)

Parameter	Sex	Age in (weeks)	Crl:WI(Han)					RccHan TM :WIST					Paired T-Test	Offset
			N	Mean	SD	Min	Max	N	Mean	SD	Min	Max	CI 95%	Absolute
MCH [fmol/L]	M	8-12	438	1.15	0.05	1.01	1.30	1932	1.20	0.06	0.10	1.44	Yes	0.055
		13-18	220	1.11	0.05	1.01	1.24	881	1.17	0.06	1.00	1.39	Yes	
		19-40	421	1.10	0.05	0.98	1.29	1598	1.13	0.06	0.97	1.39	No	
	F	8-12	412	1.16	0.05	1.02	1.32	1812	1.20	0.05	1.05	1.37	No	0.055
		13-18	211	1.14	0.05	1.02	1.27	904	1.22	0.06	1.07	1.42	No	
		19-40	426	1.15	0.05	1.04	1.34	1645	1.20	0.05	0.99	1.41	Yes	
MCHC [mmol/L]	M	8-12	438	20.81	0.88	18.01	22.79	1932	21.90	1.06	19.85	28.43	Yes	1.17
		13-18	220	21.04	0.75	18.75	23.41	881	22.05	0.89	19.81	25.04	No	
		19-40	420	20.93	0.87	18.44	23.66	1598	22.23	1.05	19.66	25.33	No	
	F	8-12	412	21.08	0.87	18.94	23.47	1812	22.23	0.93	19.68	25.28	Yes	1.17
		13-18	211	21.25	0.73	19.62	23.10	904	22.36	0.93	20.08	27.41	Yes	
		19-40	425	21.02	0.98	18.38	24.34	1645	22.33	0.95	19.96	25.09	No	
RET [%]	M	8-12	350	2.44	0.90	0.20	5.26	1912	2.90	0.60	0.70	4.00	Yes	0.37
		13-18	198	1.96	0.38	1.15	3.00	881	2.30	0.39	1.30	4.00	Yes	
		19-40	402	1.69	0.39	0.30	3.04	1598	2.00	0.39	0.60	6.10	No	
	F	8-12	323	2.30	0.58	0.30	4.17	1793	2.80	0.52	1.30	6.50	No	0.37
		13-18	188	2.17	0.46	1.13	3.62	904	2.50	0.54	1.20	4.90	Yes	
		19-40	405	2.05	0.52	0.10	3.63	1645	2.30	0.53	0.90	10.10	No	
WBC [G/L]	M	8-12	720	6.21	2.01	0.56	14.00	1932	7.19	1.63	1.79	15.50	No	1.355
		13-18	258	5.34	1.69	0.78	10.05	881	6.80	1.52	2.61	14.42	Yes	
		19-40	434	4.35	1.32	0.92	8.52	1598	6.22	1.49	2.56	13.10	No	
	F	8-12	685	3.74	1.58	0.39	9.66	1810	5.00	1.33	0.81	11.83	Yes	1.355
		13-18	247	3.29	1.35	0.80	7.04	904	4.49	1.16	1.69	9.39	Yes	
		19-40	431	2.31	0.94	0.36	5.39	1645	3.64	1.08	1.35	9.51	Yes	

Table S3: Comparison of PLT of Crl:WI(Han) and RccHanTM:WIST using paired t-test analysis showing no difference (yes) or significant difference (no)

Parameter	Sex	Age in (weeks)	Crl:WI(Han)					RccHan TM :WIST					Paired T-Test	Offset
			N	Mean	SD	Min	Max	N	Mean	SD	Min	Max	CI 95%	Absolute
PLT [G/L]	M	8-12	717	858	179	183	1365	1932	1041	144	119	1638	No	215
		13-18	258	768	140	309	1178	881	976	137	113	1607	Yes	
		19-40	434	691	125	217	1094	1598	912	120	412	1405	Yes	
	F	8-12	682	846	155	236	1352	1812	1074	149	186	1588	Yes	215
		13-18	250	805	135	387	1188	904	1023	135	645	1498	Yes	
		19-40	432	720	109	302	1105	1645	963	133	400	1698	No	

List S1: Results of Two Sample T-Test - RBC ~~Supplementary Data Two-sample t-test RBC~~ List S1

Two-sample t-test and CI - RBC - males 8-12 weeks						Two-sample t-test and CI - RBC - males 13-18 weeks						Two-sample t-test and CI - RBC - males 19-40 weeks					
Method						Method						Method					
μ_1 : mean of Wl(Han)						μ_1 : mean of Wl(Han)						μ_1 : mean of Wl(Han)					
μ_2 : mean of Rcc(Han)						μ_2 : mean of Rcc(Han)						μ_2 : mean of Rcc(Han)					
Difference: $\mu_1 - \mu_2$						Difference: $\mu_1 - \mu_2$						Difference: $\mu_1 - \mu_2$					
Equal variances are not assumed for this analysis.						Equal variances are not assumed for this analysis.						Equal variances are not assumed for this analysis.					
Descriptive Statistics						Descriptive Statistics						Descriptive Statistics					
Sample	N	Mean	StDev	SE Mean		Sample	N	Mean	StDev	SE Mean		Sample	N	Mean	StDev	SE Mean	
Wl(Han)	721	8,510	0,670	0,025		Wl(Han)	259	8,990	0,560	0,035		Wl(Han)	433	9,070	0,620	0,030	
Rcc(Han)	1932	8,320	0,470	0,011		Rcc(Han)	881	8,550	0,440	0,015		Rcc(Han)	1598	8,880	0,460	0,012	
Estimation for Difference						Estimation for Difference						Estimation for Difference					
Difference	95% CI for Difference					Difference	95% CI for Difference					Difference	95% CI for Difference				
0,1900	(0,1367; 0,2433)					0,4400	(0,3656; 0,5144)					0,1900	(0,1273; 0,2527)				
Test						Test						Test					
Null hypothesis		Ho: $\mu_1 - \mu_2 = 0,2$				Null hypothesis		Ho: $\mu_1 - \mu_2 = 0,2$				Null hypothesis		Ho: $\mu_1 - \mu_2 = 0,2$			
Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq 0,2$				Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq 0,2$				Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq 0,2$			
T-Value	DF	P-Value				T-Value	DF	P-Value				T-Value	DF	P-Value			
-0,37	996	0,713				6,35	356	0,000				-0,31	567	0,754			
a. Two Sample T-Test RBC males 8-12 weeks						b. Two Sample T-Test RBC males 13-18 weeks						c. Two Sample T-Test RBC males 19-40 weeks					
Two-sample t-test and CI - RBC - females 8-12 weeks						Two-sample t-test and CI - RBC - females 13-18 weeks						Two-sample t-test and CI - RBC - females 19-40 weeks					
Method						Method						Method					
μ_1 : mean of Wl(Han)						μ_1 : mean of Wl(Han)						μ_1 : mean of Wl(Han)					
μ_2 : mean of Rcc(Han)						μ_2 : mean of Rcc(Han)						μ_2 : mean of Rcc(Han)					
Difference: $\mu_1 - \mu_2$						Difference: $\mu_1 - \mu_2$						Difference: $\mu_1 - \mu_2$					
Equal variances are not assumed for this analysis.						Equal variances are not assumed for this analysis.						Equal variances are not assumed for this analysis.					
Descriptive Statistics						Descriptive Statistics						Descriptive Statistics					
Sample	N	Mean	StDev	SE Mean		Sample	N	Mean	StDev	SE Mean		Sample	N	Mean	StDev	SE Mean	
Wl(Han)	684	8,010	0,540	0,021		Wl(Han)	250	8,260	0,490	0,031		Wl(Han)	432	8,040	0,530	0,025	
Rcc(Han)	1812	7,980	0,410	0,0096		Rcc(Han)	904	7,930	0,410	0,014		Rcc(Han)	1645	8,050	0,410	0,010	
Estimation for Difference						Estimation for Difference						Estimation for Difference					
Difference	95% CI for Difference					Difference	95% CI for Difference					Difference	95% CI for Difference				
0,0300	(-0,0147; 0,0747)					0,3300	(0,2634; 0,3966)					-0,0100	(-0,0639; 0,0439)				
Test						Test						Test					
Null hypothesis		Ho: $\mu_1 - \mu_2 = 0$				Null hypothesis		Ho: $\mu_1 - \mu_2 = 0$				Null hypothesis		Ho: $\mu_1 - \mu_2 = 0$			
Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq 0$				Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq 0$				Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq 0$			
T-Value	DF	P-Value				T-Value	DF	P-Value				T-Value	DF	P-Value			
1,32	994	0,188				9,75	351	0,000				-0,36	573	0,716			
d. Two Sample T-Test RBC females 8-12 weeks						e. Two Sample T-Test RBC females 13-18 weeks						f. Two Sample T-Test RBC females 19-40 weeks					

List S2: Results of Two Sample T-Test - HB ~~Supplementary Data~~ ~~Two sample t test~~ HB - List S2

Two-sample t-test and CI - HB - males 8-12 weeks					Two-sample t-test and CI - HB - males 13-18 weeks					Two-sample t-test and CI - HB - males 19-40 weeks				
Method					Method					Method				
μ_1 : mean of WI(Han)					μ_1 : mean of WI(Han)					μ_1 : mean of WI(Han)				
μ_2 : mean of Rcc(Han)					μ_2 : mean of Rcc(Han)					μ_2 : mean of Rcc(Han)				
Difference: $\mu_1 - \mu_2$					Difference: $\mu_1 - \mu_2$					Difference: $\mu_1 - \mu_2$				
Equal variances are not assumed for this analysis.					Equal variances are not assumed for this analysis.					Equal variances are not assumed for this analysis.				
Descriptive Statistics					Descriptive Statistics					Descriptive Statistics				
Sample	N	Mean	StDev	SE Mean	Sample	N	Mean	StDev	SE Mean	Sample	N	Mean	StDev	SE Mean
WI(Han)	719	9,900	0,600	0,022	WI(Han)	256	10,000	0,600	0,037	WI(Han)	433	10,000	0,600	0,029
Rcc(Han)	1932	9,900	0,500	0,011	Rcc(Han)	881	10,000	0,400	0,013	Rcc(Han)	1598	10,000	0,400	0,010
Estimation for Difference					Estimation for Difference					Estimation for Difference				
Difference		95% CI for Difference			Difference		95% CI for Difference			Difference		95% CI for Difference		
0,0000		(-0,0493; 0,0493)			0,0000		(-0,0784; 0,0784)			0,0000		(-0,0600; 0,0600)		
Test					Test					Test				
Null hypothesis		$H_0: \mu_1 - \mu_2 = 0$			Null hypothesis		$H_0: \mu_1 - \mu_2 = 0$			Null hypothesis		$H_0: \mu_1 - \mu_2 = 0$		
Alternative hypothesis		$H_1: \mu_1 - \mu_2 \neq 0$			Alternative hypothesis		$H_1: \mu_1 - \mu_2 \neq 0$			Alternative hypothesis		$H_1: \mu_1 - \mu_2 \neq 0$		
T-Value	DF	P-Value			T-Value	DF	P-Value			T-Value	DF	P-Value		
0,00	1109	1,000			0,00	323	1,000			0,00	540	1,000		
a. Two Sample T-Test HB males 8-12 weeks					b. Two Sample T-Test HB males 13-18 weeks					c. Two Sample T-Test HB males 19-40 weeks				
Two-sample t-test and CI - HB - females 8-12 weeks					Two-sample t-test and CI - HB - females 13-18 weeks					Two-sample t-test and CI - HB - females 19-40 weeks				
Method					Method					Method				
μ_1 : mean of WI(Han)					μ_1 : mean of WI(Han)					μ_1 : mean of WI(Han)				
μ_2 : mean of Rcc(Han)					μ_2 : mean of Rcc(Han)					μ_2 : mean of Rcc(Han)				
Difference: $\mu_1 - \mu_2$					Difference: $\mu_1 - \mu_2$					Difference: $\mu_1 - \mu_2$				
Equal variances are not assumed for this analysis.					Equal variances are not assumed for this analysis.					Equal variances are not assumed for this analysis.				
Descriptive Statistics					Descriptive Statistics					Descriptive Statistics				
Sample	N	Mean	StDev	SE Mean	Sample	N	Mean	StDev	SE Mean	Sample	N	Mean	StDev	SE Mean
WI(Han)	685	9,300	0,600	0,023	WI(Han)	250	9,400	0,500	0,032	WI(Han)	433	9,300	0,500	0,024
Rcc(Han)	1812	9,600	0,400	0,0094	Rcc(Han)	904	9,700	0,400	0,013	Rcc(Han)	1645	9,600	0,400	0,0099
Estimation for Difference					Estimation for Difference					Estimation for Difference				
Difference		95% CI for Difference			Difference		95% CI for Difference			Difference		95% CI for Difference		
-0,3000		(-0,3486; -0,2514)			-0,3000		(-0,3675; -0,2325)			-0,3000		(-0,3510; -0,2490)		
Test					Test					Test				
Null hypothesis		$H_0: \mu_1 - \mu_2 = -0,3$			Null hypothesis		$H_0: \mu_1 - \mu_2 = -0,3$			Null hypothesis		$H_0: \mu_1 - \mu_2 = -0,3$		
Alternative hypothesis		$H_1: \mu_1 - \mu_2 \neq -0,3$			Alternative hypothesis		$H_1: \mu_1 - \mu_2 \neq -0,3$			Alternative hypothesis		$H_1: \mu_1 - \mu_2 \neq -0,3$		
T-Value	DF	P-Value			T-Value	DF	P-Value			T-Value	DF	P-Value		
0,00	923	1,000			0,00	341	1,000			0,00	585	1,000		
d. Two Sample T-Test HB females 8-12 weeks					e. Two Sample T-Test HB females 13-18 weeks					f. Two Sample T-Test HB females 19-40 weeks				

List S3: Results of Two Sample T-Test – HCT Supplementary Data ~~Two sample t test – HCT~~ List S3

Two-sample t-test and CI - HCT - males 8-12 weeks Method μ_1: mean of Wl(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>Wl(Han)</td><td>721</td><td>47,40</td><td>3,30</td><td>0,12</td></tr><tr><td>Rcc(Han)</td><td>1932</td><td>45,00</td><td>2,00</td><td>0,046</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>2,400</td><td>(2,143; 2,657)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>$H_0: \mu_1 - \mu_2 = 2,5$</td></tr><tr><td>Alternative hypothesis</td><td>$H_1: \mu_1 - \mu_2 \neq 2,5$</td></tr><tr><th>T-Value</th><th>DF</th><th>P-Value</th></tr><tr><td>-0,76</td><td>924</td><td>0,446</td></tr></table> a. Two Sample T-Test HCT males 8-12 weeks	Sample	N	Mean	StDev	SE Mean	Wl(Han)	721	47,40	3,30	0,12	Rcc(Han)	1932	45,00	2,00	0,046	Difference	95% CI for Difference	2,400	(2,143; 2,657)	Null hypothesis	$H_0: \mu_1 - \mu_2 = 2,5$	Alternative hypothesis	$H_1: \mu_1 - \mu_2 \neq 2,5$	T-Value	DF	P-Value	-0,76	924	0,446	Two-sample t-test and CI - HCT - males 13-18 weeks Method μ_1: mean of Wl(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>Wl(Han)</td><td>259</td><td>47,50</td><td>2,80</td><td>0,17</td></tr><tr><td>Rcc(Han)</td><td>881</td><td>45,00</td><td>2,00</td><td>0,067</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>2,500</td><td>(2,133; 2,867)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>$H_0: \mu_1 - \mu_2 = 2,5$</td></tr><tr><td>Alternative hypothesis</td><td>$H_1: \mu_1 - \mu_2 \neq 2,5$</td></tr><tr><th>T-Value</th><th>DF</th><th>P-Value</th></tr><tr><td>0,00</td><td>338</td><td>1,000</td></tr></table> b. Two Sample T-Test HCT males 13-18 weeks	Sample	N	Mean	StDev	SE Mean	Wl(Han)	259	47,50	2,80	0,17	Rcc(Han)	881	45,00	2,00	0,067	Difference	95% CI for Difference	2,500	(2,133; 2,867)	Null hypothesis	$H_0: \mu_1 - \mu_2 = 2,5$	Alternative hypothesis	$H_1: \mu_1 - \mu_2 \neq 2,5$	T-Value	DF	P-Value	0,00	338	1,000	Two-sample t-test and CI - HCT - males 19-40 weeks Method μ_1: mean of Wl(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>Wl(Han)</td><td>434</td><td>47,60</td><td>3,20</td><td>0,15</td></tr><tr><td>Rcc(Han)</td><td>1598</td><td>45,00</td><td>2,00</td><td>0,050</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>2,600</td><td>(2,283; 2,917)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>$H_0: \mu_1 - \mu_2 = 2,5$</td></tr><tr><td>Alternative hypothesis</td><td>$H_1: \mu_1 - \mu_2 \neq 2,5$</td></tr><tr><th>T-Value</th><th>DF</th><th>P-Value</th></tr><tr><td>0,62</td><td>528</td><td>0,536</td></tr></table> c. Two Sample T-Test HCT males 19-40 weeks	Sample	N	Mean	StDev	SE Mean	Wl(Han)	434	47,60	3,20	0,15	Rcc(Han)	1598	45,00	2,00	0,050	Difference	95% CI for Difference	2,600	(2,283; 2,917)	Null hypothesis	$H_0: \mu_1 - \mu_2 = 2,5$	Alternative hypothesis	$H_1: \mu_1 - \mu_2 \neq 2,5$	T-Value	DF	P-Value	0,62	528	0,536
Sample	N	Mean	StDev	SE Mean																																																																																					
Wl(Han)	721	47,40	3,30	0,12																																																																																					
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0,00	338	1,000																																																																																							
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Alternative hypothesis	$H_1: \mu_1 - \mu_2 \neq 2,5$																																																																																								
T-Value	DF	P-Value																																																																																							
0,62	528	0,536																																																																																							
Two-sample t-test and CI - HCT - females 8-12 weeks Method μ_1: mean of Wl(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>Wl(Han)</td><td>684</td><td>44,10</td><td>2,90</td><td>0,11</td></tr><tr><td>Rcc(Han)</td><td>1812</td><td>43,00</td><td>2,00</td><td>0,047</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>1,100</td><td>(0,864; 1,336)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>$H_0: \mu_1 - \mu_2 = 1,2$</td></tr><tr><td>Alternative hypothesis</td><td>$H_1: \mu_1 - \mu_2 \neq 1,2$</td></tr><tr><th>T-Value</th><th>DF</th><th>P-Value</th></tr><tr><td>-0,83</td><td>938</td><td>0,407</td></tr></table> d. Two Sample T-Test HCT females 8-12 weeks	Sample	N	Mean	StDev	SE Mean	Wl(Han)	684	44,10	2,90	0,11	Rcc(Han)	1812	43,00	2,00	0,047	Difference	95% CI for Difference	1,100	(0,864; 1,336)	Null hypothesis	$H_0: \mu_1 - \mu_2 = 1,2$	Alternative hypothesis	$H_1: \mu_1 - \mu_2 \neq 1,2$	T-Value	DF	P-Value	-0,83	938	0,407	Two-sample t-test and CI - HCT - females 13-18 weeks Method μ_1: mean of Wl(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>Wl(Han)</td><td>249</td><td>44,40</td><td>2,40</td><td>0,15</td></tr><tr><td>Rcc(Han)</td><td>904</td><td>43,00</td><td>2,00</td><td>0,067</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>1,400</td><td>(1,074; 1,726)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>$H_0: \mu_1 - \mu_2 = 1,2$</td></tr><tr><td>Alternative hypothesis</td><td>$H_1: \mu_1 - \mu_2 \neq 1,2$</td></tr><tr><th>T-Value</th><th>DF</th><th>P-Value</th></tr><tr><td>1,20</td><td>348</td><td>0,229</td></tr></table> e. Two Sample T-Test HCT females 13-18 weeks	Sample	N	Mean	StDev	SE Mean	Wl(Han)	249	44,40	2,40	0,15	Rcc(Han)	904	43,00	2,00	0,067	Difference	95% CI for Difference	1,400	(1,074; 1,726)	Null hypothesis	$H_0: \mu_1 - \mu_2 = 1,2$	Alternative hypothesis	$H_1: \mu_1 - \mu_2 \neq 1,2$	T-Value	DF	P-Value	1,20	348	0,229	Two-sample t-test and CI - HCT - females 19-40 weeks Method μ_1: mean of Wl(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>Wl(Han)</td><td>433</td><td>44,10</td><td>2,90</td><td>0,14</td></tr><tr><td>Rcc(Han)</td><td>904</td><td>43,00</td><td>2,00</td><td>0,067</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>1,100</td><td>(0,797; 1,403)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>$H_0: \mu_1 - \mu_2 = 1,2$</td></tr><tr><td>Alternative hypothesis</td><td>$H_1: \mu_1 - \mu_2 \neq 1,2$</td></tr><tr><th>T-Value</th><th>DF</th><th>P-Value</th></tr><tr><td>-0,65</td><td>635</td><td>0,518</td></tr></table> f. Two Sample T-Test HCT females 19-40 weeks	Sample	N	Mean	StDev	SE Mean	Wl(Han)	433	44,10	2,90	0,14	Rcc(Han)	904	43,00	2,00	0,067	Difference	95% CI for Difference	1,100	(0,797; 1,403)	Null hypothesis	$H_0: \mu_1 - \mu_2 = 1,2$	Alternative hypothesis	$H_1: \mu_1 - \mu_2 \neq 1,2$	T-Value	DF	P-Value	-0,65	635	0,518
Sample	N	Mean	StDev	SE Mean																																																																																					
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Alternative hypothesis	$H_1: \mu_1 - \mu_2 \neq 1,2$																																																																																								
T-Value	DF	P-Value																																																																																							
-0,83	938	0,407																																																																																							
Sample	N	Mean	StDev	SE Mean																																																																																					
Wl(Han)	249	44,40	2,40	0,15																																																																																					
Rcc(Han)	904	43,00	2,00	0,067																																																																																					
Difference	95% CI for Difference																																																																																								
1,400	(1,074; 1,726)																																																																																								
Null hypothesis	$H_0: \mu_1 - \mu_2 = 1,2$																																																																																								
Alternative hypothesis	$H_1: \mu_1 - \mu_2 \neq 1,2$																																																																																								
T-Value	DF	P-Value																																																																																							
1,20	348	0,229																																																																																							
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Rcc(Han)	904	43,00	2,00	0,067																																																																																					
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1,100	(0,797; 1,403)																																																																																								
Null hypothesis	$H_0: \mu_1 - \mu_2 = 1,2$																																																																																								
Alternative hypothesis	$H_1: \mu_1 - \mu_2 \neq 1,2$																																																																																								
T-Value	DF	P-Value																																																																																							
-0,65	635	0,518																																																																																							

List S4: Results of Two Sample T-Test – MCV ~~Supplementary Data~~ ~~Two-sample t-test MCV~~ List S4

Two-sample t-test and CI - MCV - males 8-12 weeks						Two-sample t-test and CI - MCV - males 13-18 weeks						Two-sample t-test and CI - MCV - males 19-40 weeks					
Method						Method						Method					
μ_1 : mean of WI(Han)						μ_1 : mean of WI(Han)						μ_1 : mean of WI(Han)					
μ_2 : mean of Rcc(Han)						μ_2 : mean of Rcc(Han)						μ_2 : mean of Rcc(Han)					
Difference: $\mu_1 - \mu_2$						Difference: $\mu_1 - \mu_2$						Difference: $\mu_1 - \mu_2$					
Equal variances are not assumed for this analysis.						Equal variances are not assumed for this analysis.						Equal variances are not assumed for this analysis.					
Descriptive Statistics						Descriptive Statistics						Descriptive Statistics					
Sample	N	Mean	StDev	SE Mean		Sample	N	Mean	StDev	SE Mean		Sample	N	Mean	StDev	SE Mean	
WI(Han)	448	55,40	2,60	0,12		WI(Han)	222	52,60	1,80	0,12		WI(Han)	430	52,50	2,00	0,096	
Rcc(Han)	1932	54,70	2,60	0,059		Rcc(Han)	881	53,10	2,60	0,088		Rcc(Han)	1598	50,70	2,40	0,060	
Estimation for Difference						Estimation for Difference						Estimation for Difference					
Difference		95% CI for Difference				Difference		95% CI for Difference				Difference		95% CI for Difference			
0,700		(0,432; 0,968)				-0,500		(-0,793; -0,207)				1,800		(1,577; 2,023)			
Test						Test						Test					
Null hypothesis		Ho: $\mu_1 - \mu_2 = 0,55$				Null hypothesis		Ho: $\mu_1 - \mu_2 = 0,55$				Null hypothesis		Ho: $\mu_1 - \mu_2 = 0,55$			
Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq 0,55$				Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq 0,55$				Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq 0,55$			
T-Value	DF	P-Value				T-Value	DF	P-Value				T-Value	DF	P-Value			
1,10	670	0,272				-7,04	481	0,000				11,00	793	0,000			
a. Two Sample T-Test MCV males 8-12 weeks						b. Two Sample T-Test MCV males 13-18 weeks						c. Two Sample T-Test MCV males 19-40 weeks					
Two-sample t-test and CI - MCV - females 8-12 weeks						Two-sample t-test and CI - MCV - females 13-18 weeks						Two-sample t-test and CI - MCV - females 19-40 weeks					
Method						Method						Method					
μ_1 : mean of WI(Han)						μ_1 : mean of WI(Han)						μ_1 : mean of WI(Han)					
μ_2 : mean of Rcc(Han)						μ_2 : mean of Rcc(Han)						μ_2 : mean of Rcc(Han)					
Difference: $\mu_1 - \mu_2$						Difference: $\mu_1 - \mu_2$						Difference: $\mu_1 - \mu_2$					
Equal variances are not assumed for this analysis.						Equal variances are not assumed for this analysis.						Equal variances are not assumed for this analysis.					
Descriptive Statistics						Descriptive Statistics						Descriptive Statistics					
Sample	N	Mean	StDev	SE Mean		Sample	N	Mean	StDev	SE Mean		Sample	N	Mean	StDev	SE Mean	
WI(Han)	423	55,00	2,30	0,11		WI(Han)	212	53,50	2,00	0,14		WI(Han)	434	54,90	2,00	0,096	
Rcc(Han)	1812	54,00	2,40	0,056		Rcc(Han)	904	54,70	2,70	0,090		Rcc(Han)	1645	53,60	2,40	0,059	
Estimation for Difference						Estimation for Difference						Estimation for Difference					
Difference		95% CI for Difference				Difference		95% CI for Difference				Difference		95% CI for Difference			
1,000		(0,754; 1,246)				-1,200		(-1,523; -0,877)				1,300		(1,079; 1,521)			
Test						Test						Test					
Null hypothesis		Ho: $\mu_1 - \mu_2 = 0,55$				Null hypothesis		Ho: $\mu_1 - \mu_2 = 0,55$				Null hypothesis		Ho: $\mu_1 - \mu_2 = 0,55$			
Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq 0,55$				Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq 0,55$				Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq 0,55$			
T-Value	DF	P-Value				T-Value	DF	P-Value				T-Value	DF	P-Value			
3,59	653	0,000				-10,66	412	0,000				6,65	794	0,000			
d. Two Sample T-Test MCV females 8-12 weeks						e. Two Sample T-Test MCV females 13-18 weeks						f. Two Sample T-Test MCV females 19-40 weeks					

List S5: Results of Two Sample T-Test – MCH ~~Supplementary Data~~ Two-sample t test MCH List S5

Two-sample t-test and CI - MCH - males 8-12 weeks Method μ_1: mean of WI(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>WI(Han)</td><td>438</td><td>1,1500</td><td>0,0500</td><td>0,0024</td></tr><tr><td>Rcc(Han)</td><td>1932</td><td>1,2000</td><td>0,0600</td><td>0,0014</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-0,05000</td><td>(-0,05540; -0,04460)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>H_0: $\mu_1 - \mu_2 = -0,055$</td></tr><tr><td>Alternative hypothesis</td><td>H_1: $\mu_1 - \mu_2 \neq -0,055$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>1,82</td><td>750</td><td>0,070</td></tr></table> a. Two Sample T-Test MCH males 8-12 weeks	Sample	N	Mean	StDev	SE Mean	WI(Han)	438	1,1500	0,0500	0,0024	Rcc(Han)	1932	1,2000	0,0600	0,0014	Difference	95% CI for Difference	-0,05000	(-0,05540; -0,04460)	Null hypothesis	H_0 : $\mu_1 - \mu_2 = -0,055$	Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -0,055$	T-Value	DF	P-Value	1,82	750	0,070	Two-sample t-test and CI - MCH - males 13-18 weeks Method μ_1: mean of WI(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>WI(Han)</td><td>220</td><td>1,1100</td><td>0,0500</td><td>0,0034</td></tr><tr><td>Rcc(Han)</td><td>881</td><td>1,1700</td><td>0,0600</td><td>0,0020</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-0,06000</td><td>(-0,06773; -0,05227)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>H_0: $\mu_1 - \mu_2 = -0,055$</td></tr><tr><td>Alternative hypothesis</td><td>H_1: $\mu_1 - \mu_2 \neq -0,055$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>-1,27</td><td>392</td><td>0,204</td></tr></table> b. Two Sample T-Test MCH males 13-18 weeks	Sample	N	Mean	StDev	SE Mean	WI(Han)	220	1,1100	0,0500	0,0034	Rcc(Han)	881	1,1700	0,0600	0,0020	Difference	95% CI for Difference	-0,06000	(-0,06773; -0,05227)	Null hypothesis	H_0 : $\mu_1 - \mu_2 = -0,055$	Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -0,055$	T-Value	DF	P-Value	-1,27	392	0,204	Two-sample t-test and CI - MCH - males 19-40 weeks Method μ_1: mean of WI(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>WI(Han)</td><td>421</td><td>1,1000</td><td>0,0500</td><td>0,0024</td></tr><tr><td>Rcc(Han)</td><td>1598</td><td>1,1300</td><td>0,0600</td><td>0,0015</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-0,03000</td><td>(-0,03562; -0,02438)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>H_0: $\mu_1 - \mu_2 = -0,055$</td></tr><tr><td>Alternative hypothesis</td><td>H_1: $\mu_1 - \mu_2 \neq -0,055$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>8,74</td><td>769</td><td>0,000</td></tr></table> c. Two Sample T-Test MCH males 19-40 weeks	Sample	N	Mean	StDev	SE Mean	WI(Han)	421	1,1000	0,0500	0,0024	Rcc(Han)	1598	1,1300	0,0600	0,0015	Difference	95% CI for Difference	-0,03000	(-0,03562; -0,02438)	Null hypothesis	H_0 : $\mu_1 - \mu_2 = -0,055$	Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -0,055$	T-Value	DF	P-Value	8,74	769	0,000
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Two-sample t-test and CI - MCH - females 8-12 weeks Method μ_1: mean of WI(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>WI(Han)</td><td>412</td><td>1,1600</td><td>0,0500</td><td>0,0025</td></tr><tr><td>Rcc(Han)</td><td>1812</td><td>1,2000</td><td>0,0500</td><td>0,0012</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-0,04000</td><td>(-0,04536; -0,03464)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>H_0: $\mu_1 - \mu_2 = -0,055$</td></tr><tr><td>Alternative hypothesis</td><td>H_1: $\mu_1 - \mu_2 \neq -0,055$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>5,50</td><td>611</td><td>0,000</td></tr></table> d. Two Sample T-Test MCH females 8-12 weeks	Sample	N	Mean	StDev	SE Mean	WI(Han)	412	1,1600	0,0500	0,0025	Rcc(Han)	1812	1,2000	0,0500	0,0012	Difference	95% CI for Difference	-0,04000	(-0,04536; -0,03464)	Null hypothesis	H_0 : $\mu_1 - \mu_2 = -0,055$	Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -0,055$	T-Value	DF	P-Value	5,50	611	0,000	Two-sample t-test and CI - MCH - females 13-18 weeks Method μ_1: mean of WI(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>WI(Han)</td><td>211</td><td>1,1400</td><td>0,0500</td><td>0,0034</td></tr><tr><td>Rcc(Han)</td><td>904</td><td>1,2200</td><td>0,0600</td><td>0,0020</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-0,08000</td><td>(-0,08782; -0,07218)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>H_0: $\mu_1 - \mu_2 = -0,055$</td></tr><tr><td>Alternative hypothesis</td><td>H_1: $\mu_1 - \mu_2 \neq -0,055$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>-6,28</td><td>365</td><td>0,000</td></tr></table> e. Two Sample T-Test MCH females 13-18 weeks	Sample	N	Mean	StDev	SE Mean	WI(Han)	211	1,1400	0,0500	0,0034	Rcc(Han)	904	1,2200	0,0600	0,0020	Difference	95% CI for Difference	-0,08000	(-0,08782; -0,07218)	Null hypothesis	H_0 : $\mu_1 - \mu_2 = -0,055$	Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -0,055$	T-Value	DF	P-Value	-6,28	365	0,000	Two-sample t-test and CI - MCH - females 19-40 weeks Method μ_1: mean of WI(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>WI(Han)</td><td>426</td><td>1,1500</td><td>0,0500</td><td>0,0024</td></tr><tr><td>Rcc(Han)</td><td>1645</td><td>1,2000</td><td>0,0500</td><td>0,0012</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-0,05000</td><td>(-0,05534; -0,04466)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>H_0: $\mu_1 - \mu_2 = -0,055$</td></tr><tr><td>Alternative hypothesis</td><td>H_1: $\mu_1 - \mu_2 \neq -0,055$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>1,84</td><td>662</td><td>0,066</td></tr></table> f. Two Sample T-Test MCH females 19-40 weeks	Sample	N	Mean	StDev	SE Mean	WI(Han)	426	1,1500	0,0500	0,0024	Rcc(Han)	1645	1,2000	0,0500	0,0012	Difference	95% CI for Difference	-0,05000	(-0,05534; -0,04466)	Null hypothesis	H_0 : $\mu_1 - \mu_2 = -0,055$	Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -0,055$	T-Value	DF	P-Value	1,84	662	0,066
Sample	N	Mean	StDev	SE Mean																																																																																					
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List S6: Results of Two Sample T-Test – MCHC ~~SupplementaryData~~ Two sample t test – MCHC List S6

Two-sample t-test and CI - MCHC - males 8-12 weeks Method μ_1: mean of WI(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>WI(Han)</td><td>438</td><td>20,810</td><td>0,880</td><td>0,042</td></tr><tr><td>Rcc(Han)</td><td>1932</td><td>21,90</td><td>1,06</td><td>0,024</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-1,0900</td><td>(-1,1852; -0,9948)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>$H_0: \mu_1 - \mu_2 = -1,17$</td></tr><tr><td>Alternative hypothesis</td><td>$H_1: \mu_1 - \mu_2 \neq -1,17$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>1,65</td><td>753</td><td>0,099</td></tr></table> a. Two Sample T-Test MCHC males 8-12 weeks	Sample	N	Mean	StDev	SE Mean	WI(Han)	438	20,810	0,880	0,042	Rcc(Han)	1932	21,90	1,06	0,024	Difference	95% CI for Difference	-1,0900	(-1,1852; -0,9948)	Null hypothesis	$H_0: \mu_1 - \mu_2 = -1,17$	Alternative hypothesis	$H_1: \mu_1 - \mu_2 \neq -1,17$	T-Value	DF	P-Value	1,65	753	0,099	Two-sample t-test and CI - MCHC - males 13-18 weeks Method μ_1: mean of WI(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>WI(Han)</td><td>220</td><td>21,040</td><td>0,750</td><td>0,051</td></tr><tr><td>Rcc(Han)</td><td>881</td><td>22,050</td><td>0,890</td><td>0,030</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-1,0100</td><td>(-1,1256; -0,8944)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>$H_0: \mu_1 - \mu_2 = -1,17$</td></tr><tr><td>Alternative hypothesis</td><td>$H_1: \mu_1 - \mu_2 \neq -1,17$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>2,72</td><td>388</td><td>0,007</td></tr></table> b. Two Sample T-Test MCHC males 13-18 weeks	Sample	N	Mean	StDev	SE Mean	WI(Han)	220	21,040	0,750	0,051	Rcc(Han)	881	22,050	0,890	0,030	Difference	95% CI for Difference	-1,0100	(-1,1256; -0,8944)	Null hypothesis	$H_0: \mu_1 - \mu_2 = -1,17$	Alternative hypothesis	$H_1: \mu_1 - \mu_2 \neq -1,17$	T-Value	DF	P-Value	2,72	388	0,007	Two-sample t-test and CI - MCHC - males 19-40 weeks Method μ_1: mean of WI(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>WI(Han)</td><td>420</td><td>20,930</td><td>0,870</td><td>0,042</td></tr><tr><td>Rcc(Han)</td><td>1598</td><td>22,23</td><td>1,05</td><td>0,026</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-1,3000</td><td>(-1,3980; -1,2020)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>$H_0: \mu_1 - \mu_2 = -1,17$</td></tr><tr><td>Alternative hypothesis</td><td>$H_1: \mu_1 - \mu_2 \neq -1,17$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>-2,60</td><td>771</td><td>0,009</td></tr></table> c. Two Sample T-Test MCHC males 19-40 weeks	Sample	N	Mean	StDev	SE Mean	WI(Han)	420	20,930	0,870	0,042	Rcc(Han)	1598	22,23	1,05	0,026	Difference	95% CI for Difference	-1,3000	(-1,3980; -1,2020)	Null hypothesis	$H_0: \mu_1 - \mu_2 = -1,17$	Alternative hypothesis	$H_1: \mu_1 - \mu_2 \neq -1,17$	T-Value	DF	P-Value	-2,60	771	0,009
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List S7: Results of Two Sample T-Test – RET Supplementary Data ~~Two sample t test – RET – List S7~~

Two-sample t-test and CI - RET - males 8-12 weeks Method μ_1: mean of WI(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>WI(Han)</td><td>350</td><td>2,440</td><td>0,900</td><td>0,048</td></tr><tr><td>Rcc(Han)</td><td>1912</td><td>2,900</td><td>0,600</td><td>0,014</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-0,4600</td><td>(-0,5583; -0,3617)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>H_0: $\mu_1 - \mu_2 = -0,37$</td></tr><tr><td>Alternative hypothesis</td><td>H_1: $\mu_1 - \mu_2 \neq -0,37$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>-1,80</td><td>407</td><td>0,073</td></tr></table> a. Two Sample T-Test RET males 8-12 weeks	Sample	N	Mean	StDev	SE Mean	WI(Han)	350	2,440	0,900	0,048	Rcc(Han)	1912	2,900	0,600	0,014	Difference	95% CI for Difference	-0,4600	(-0,5583; -0,3617)	Null hypothesis	H_0 : $\mu_1 - \mu_2 = -0,37$	Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -0,37$	T-Value	DF	P-Value	-1,80	407	0,073	Two-sample t-test and CI - RET - males 13-18 weeks Method μ_1: mean of WI(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>WI(Han)</td><td>198</td><td>1,960</td><td>0,380</td><td>0,027</td></tr><tr><td>Rcc(Han)</td><td>881</td><td>2,300</td><td>0,390</td><td>0,013</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-0,3400</td><td>(-0,3991; -0,2809)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>H_0: $\mu_1 - \mu_2 = -0,37$</td></tr><tr><td>Alternative hypothesis</td><td>H_1: $\mu_1 - \mu_2 \neq -0,37$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>1,00</td><td>297</td><td>0,319</td></tr></table> b. Two Sample T-Test RET males 13-18 weeks	Sample	N	Mean	StDev	SE Mean	WI(Han)	198	1,960	0,380	0,027	Rcc(Han)	881	2,300	0,390	0,013	Difference	95% CI for Difference	-0,3400	(-0,3991; -0,2809)	Null hypothesis	H_0 : $\mu_1 - \mu_2 = -0,37$	Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -0,37$	T-Value	DF	P-Value	1,00	297	0,319	Two-sample t-test and CI - RET - males 19-40 weeks Method μ_1: mean of WI(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>WI(Han)</td><td>402</td><td>1,690</td><td>0,390</td><td>0,019</td></tr><tr><td>Rcc(Han)</td><td>1598</td><td>2,000</td><td>0,390</td><td>0,0098</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-0,3100</td><td>(-0,3527; -0,2673)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>H_0: $\mu_1 - \mu_2 = -0,37$</td></tr><tr><td>Alternative hypothesis</td><td>H_1: $\mu_1 - \mu_2 \neq -0,37$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>2,76</td><td>618</td><td>0,006</td></tr></table> c. Two Sample T-Test RET males 19-40 weeks	Sample	N	Mean	StDev	SE Mean	WI(Han)	402	1,690	0,390	0,019	Rcc(Han)	1598	2,000	0,390	0,0098	Difference	95% CI for Difference	-0,3100	(-0,3527; -0,2673)	Null hypothesis	H_0 : $\mu_1 - \mu_2 = -0,37$	Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -0,37$	T-Value	DF	P-Value	2,76	618	0,006
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List S8: Results of Two Sample T-Test – WBC ~~Supplementary Data~~ ~~Two-sample t test~~ ~~WBC~~ List S8

Two-sample t-test and CI - WBC - males 8-12 weeks						Two-sample t-test and CI - WBC - males 13-18 weeks						Two-sample t-test and CI - WBC - males 19-40 weeks					
Method						Method						Method					
μ_1 : mean of Wl(Han)						μ_1 : mean of Wl(Han)						μ_1 : mean of Wl(Han)					
μ_2 : mean of Rcc(Han)						μ_2 : mean of Rcc(Han)						μ_2 : mean of Rcc(Han)					
Difference: $\mu_1 - \mu_2$						Difference: $\mu_1 - \mu_2$						Difference: $\mu_1 - \mu_2$					
Equal variances are not assumed for this analysis.						Equal variances are not assumed for this analysis.						Equal variances are not assumed for this analysis.					
Descriptive Statistics						Descriptive Statistics						Descriptive Statistics					
Sample	N	Mean	StDev	SE Mean		Sample	N	Mean	StDev	SE Mean		Sample	N	Mean	StDev	SE Mean	
Wl(Han)	720	6,21	2,01	0,075		Wl(Han)	258	5,34	1,69	0,11		Wl(Han)	434	4,35	1,32	0,063	
Rcc(Han)	1932	7,19	1,63	0,037		Rcc(Han)	881	6,80	1,52	0,051		Rcc(Han)	1598	6,22	1,49	0,037	
Estimation for Difference						Estimation for Difference						Estimation for Difference					
Difference		95% CI for Difference				Difference		95% CI for Difference				Difference		95% CI for Difference			
-0,9800		(-1,1440; -0,8160)				-1,460		(-1,690; -1,230)				-1,8700		(-2,0143; -1,7257)			
Test						Test						Test					
Null hypothesis		H0: $\mu_1 - \mu_2 = -1,355$				Null hypothesis		H0: $\mu_1 - \mu_2 = -1,355$				Null hypothesis		H0: $\mu_1 - \mu_2 = -1,355$			
Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq -1,355$				Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq -1,355$				Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq -1,355$			
T-Value	DF	P-Value				T-Value	DF	P-Value				T-Value	DF	P-Value			
4,49	1090	0,000				-0,90	386	0,370				-7,01	759	0,000			
a. Two Sample T-Test WBC males 8-12 weeks						b. Two Sample T-Test WBC males 13-18 weeks						c. Two Sample T-Test WBC males 19-40 weeks					
Two-sample t-test and CI - WBC - females 8-12 weeks						Two-sample t-test and CI - WBC - females 13-18 weeks						Two-sample t-test and CI - WBC - females 19-40 weeks					
Method						Method						Method					
μ_1 : mean of Wl(Han)						μ_1 : mean of Wl(Han)						μ_1 : mean of Wl(Han)					
μ_2 : mean of Rcc(Han)						μ_2 : mean of Rcc(Han)						μ_2 : mean of Rcc(Han)					
Difference: $\mu_1 - \mu_2$						Difference: $\mu_1 - \mu_2$						Difference: $\mu_1 - \mu_2$					
Equal variances are not assumed for this analysis.						Equal variances are not assumed for this analysis.						Equal variances are not assumed for this analysis.					
Descriptive Statistics						Descriptive Statistics						Descriptive Statistics					
Sample	N	Mean	StDev	SE Mean		Sample	N	Mean	StDev	SE Mean		Sample	N	Mean	StDev	SE Mean	
Wl(Han)	685	3,74	1,58	0,060		Wl(Han)	247	3,29	1,35	0,086		Wl(Han)	431	2,310	0,940	0,045	
Rcc(Han)	1810	5,00	1,33	0,031		Rcc(Han)	904	4,49	1,16	0,039		Rcc(Han)	1645	3,64	1,08	0,027	
Estimation for Difference						Estimation for Difference						Estimation for Difference					
Difference		95% CI for Difference				Difference		95% CI for Difference				Difference		95% CI for Difference			
-1,2600		(-1,3934; -1,1266)				-1,2000		(-1,3852; -1,0148)				-1,3300		(-1,4331; -1,2269)			
Test						Test						Test					
Null hypothesis		H0: $\mu_1 - \mu_2 = -1,355$				Null hypothesis		H0: $\mu_1 - \mu_2 = -1,355$				Null hypothesis		H0: $\mu_1 - \mu_2 = -1,355$			
Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq -1,355$				Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq -1,355$				Alternative hypothesis		H1: $\mu_1 - \mu_2 \neq -1,355$			
T-Value	DF	P-Value				T-Value	DF	P-Value				T-Value	DF	P-Value			
1,40	1070	0,163				1,65	351	0,101				0,48	755	0,634			
d. Two Sample T-Test WBC females 8-12 weeks						e. Two Sample T-Test WBC females 13-18 weeks						f. Two Sample T-Test WBC females 19-40 weeks					

List S9: Results of Two Sample T-Test – PLT ~~Supplementary Data Two sample t test PLT List S9~~

Two-sample t-test and CI - PLT - males 8-12 weeks Method μ_1: mean of Wl(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>Wl(Han)</td><td>717</td><td>858</td><td>179</td><td>6,7</td></tr><tr><td>Rcc(Han)</td><td>1932</td><td>1041</td><td>144</td><td>3,3</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-183,00</td><td>(-197,61; -168,39)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>H_0: $\mu_1 - \mu_2 = -215$</td></tr><tr><td>Alternative hypothesis</td><td>H_1: $\mu_1 - \mu_2 \neq -215$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>4,30</td><td>1078</td><td>0,000</td></tr></table> a. Two Sample T-Test PLT males 8-12 weeks	Sample	N	Mean	StDev	SE Mean	Wl(Han)	717	858	179	6,7	Rcc(Han)	1932	1041	144	3,3	Difference	95% CI for Difference	-183,00	(-197,61; -168,39)	Null hypothesis	H_0 : $\mu_1 - \mu_2 = -215$	Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -215$	T-Value	DF	P-Value	4,30	1078	0,000	Two-sample t-test and CI - PLT - males 13-18 weeks Method μ_1: mean of Wl(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>Wl(Han)</td><td>258</td><td>768</td><td>140</td><td>8,7</td></tr><tr><td>Rcc(Han)</td><td>881</td><td>976</td><td>137</td><td>4,6</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-208,00</td><td>(-227,39; -188,61)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>H_0: $\mu_1 - \mu_2 = -215$</td></tr><tr><td>Alternative hypothesis</td><td>H_1: $\mu_1 - \mu_2 \neq -215$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>0,71</td><td>411</td><td>0,478</td></tr></table> b. Two Sample T-Test PLT males 13-18 weeks	Sample	N	Mean	StDev	SE Mean	Wl(Han)	258	768	140	8,7	Rcc(Han)	881	976	137	4,6	Difference	95% CI for Difference	-208,00	(-227,39; -188,61)	Null hypothesis	H_0 : $\mu_1 - \mu_2 = -215$	Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -215$	T-Value	DF	P-Value	0,71	411	0,478	Two-sample t-test and CI - PLT - males 19-40 weeks Method μ_1: mean of Wl(Han) μ_2: mean of Rcc(Han) Difference: $\mu_1 - \mu_2$ Equal variances are not assumed for this analysis. Descriptive Statistics <table><tr><th>Sample</th><th>N</th><th>Mean</th><th>StDev</th><th>SE Mean</th></tr><tr><td>Wl(Han)</td><td>434</td><td>691</td><td>125</td><td>6,0</td></tr><tr><td>Rcc(Han)</td><td>1598</td><td>912</td><td>120</td><td>3,0</td></tr></table> Estimation for Difference <table><tr><th>Difference</th><th>95% CI for Difference</th></tr><tr><td>-221,00</td><td>(-234,17; -207,83)</td></tr></table> Test <table><tr><td>Null hypothesis</td><td>H_0: $\mu_1 - \mu_2 = -215$</td></tr><tr><td>Alternative hypothesis</td><td>H_1: $\mu_1 - \mu_2 \neq -215$</td></tr><tr><td>T-Value</td><td>DF</td><td>P-Value</td></tr><tr><td>-0,89</td><td>665</td><td>0,371</td></tr></table> c. Two Sample T-Test PLT males 19-40 weeks	Sample	N	Mean	StDev	SE Mean	Wl(Han)	434	691	125	6,0	Rcc(Han)	1598	912	120	3,0	Difference	95% CI for Difference	-221,00	(-234,17; -207,83)	Null hypothesis	H_0 : $\mu_1 - \mu_2 = -215$	Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -215$	T-Value	DF	P-Value	-0,89	665	0,371
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-228,00	(-241,52; -214,48)																																																																																								
Null hypothesis	H_0 : $\mu_1 - \mu_2 = -215$																																																																																								
Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -215$																																																																																								
T-Value	DF	P-Value																																																																																							
-1,89	1183	0,059																																																																																							
Sample	N	Mean	StDev	SE Mean																																																																																					
Wl(Han)	250	805	135	8,5																																																																																					
Rcc(Han)	904	1023	135	4,5																																																																																					
Difference	95% CI for Difference																																																																																								
-218,00	(-236,97; -199,03)																																																																																								
Null hypothesis	H_0 : $\mu_1 - \mu_2 = -215$																																																																																								
Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -215$																																																																																								
T-Value	DF	P-Value																																																																																							
-0,31	397	0,756																																																																																							
Sample	N	Mean	StDev	SE Mean																																																																																					
Wl(Han)	432	720	109	5,2																																																																																					
Rcc(Han)	1645	963	133	3,3																																																																																					
Difference	95% CI for Difference																																																																																								
-243,00	(-255,14; -230,86)																																																																																								
Null hypothesis	H_0 : $\mu_1 - \mu_2 = -215$																																																																																								
Alternative hypothesis	H_1 : $\mu_1 - \mu_2 \neq -215$																																																																																								
T-Value	DF	P-Value																																																																																							
-4,53	801	0,000																																																																																							

Table S4: Comparison of different rat strains

Parameter	Sex	Age in weeks	N	Crl:WI (Han)	Age in weeks	N	Crl:WI (Han)	N	RccHan™: WIST	N	RccHan™: WIST	N	GALAS	N	Hsd: SD®	N	Crl:CD (SD)
RBC [T/L]	M	-	-	-	≤7	-	-	57	7.27	-	-	10	7.15	-	-	-	-
		8-16	181	8.39	8-12	721	8.51	1932	8.32	-	-	10	8.16	152	8.40	-	-
		>17	167	8.69	13-18	259	8.99	881	8.55	-	-	-	-	160	9.10	-	-
		-	-	-	19-40	433	9.07	1598	8.88	78	8.30	20	9.07	-	-	110	8.85
		-	-	-	≥71	-	-	311	8.36	-	-	8	8.21	-	-	-	-
	F	-	-	-	≤7	-	-	56	7.25	-	-	10	7.31	-	-	-	-
		8-16	176	8.02	8-12	684	8.01	1812	7.98	-	-	10	8.20	161	8.00	-	-
		>17	166	8.20	13-18	250	8.26	904	7.93	-	-	-	-	157	8.20	-	-
		-	-	-	19-40	432	8.04	1645	8.05	78	7.67	20	8.28	-	-	100	8.12
		-	-	-	≥71	-	-	337	7.58	-	-	10	8.10	-	-	-	-
HB [mmol/L]	M	-	-	-	≤7	-	-	57	9.1	-	-	10	9.2	-	-	-	-
		8-16	181	9.7	8-12	719	9.9	1932	9.9	-	-	10	9.6	152	8.3	-	-
		>17	167	9.6	13-18	256	10.0	881	10.0	-	-	-	-	160	8.4	-	-
		-	-	-	19-40	433	10.0	1598	10.0	78	10.0	20	9.7	-	-	110	9.4
		-	-	-	≥71	-	-	198	9.7	-	-	8	8.9	-	-	-	-
	F	-	-	-	≤7	-	-	56	9.1	-	-	10	9.2	-	-	-	-
		8-16	176	9.4	8-12	685	9.3	1812	9.6	-	-	10	9.4	161	9.5	-	-
		>17	166	9.6	13-18	250	9.4	904	9.7	-	-	-	-	157	9.4	-	-
		-	-	-	19-40	433	9.3	1645	9.6	78	9.6	20	9.3	-	-	110	9.3
		-	-	-	≥71	-	-	218	9.5	-	-	10	9.6	-	-	-	-

Table S4 continued: Comparison of different rat strains

Parameter	Sex	Age in weeks	N	Crl:WI (Han)	Age in weeks	N	Crl:WI (Han)	N	RccHan™: WIST	N	RccHan™: WIST	N	GALAS	N	Hsd: SD®	N	Crl:CD (SD)
HCT [%]	M	-	-	-	≤7	-	-	57	43.0	-	-	10	45.6	-	-	-	-
		8-16	181	45.0	8-12	721	47.4	1932	45.0	-	-	10	49.8	152	47.8	-	-
		>17	167	44.2	13-18	259	47.5	881	45.0	-	-	-	-	160	48.0	-	-
		-	-	-	19-40	434	47.6	1598	45.0	78	46.0	20	50.9	-	-	110	45.1
		-	-	-	≥71	-	-	198	45.0	-	-	8	49.7	-	-	-	-
	F	-	-	-	≤7	-	-	56	43.0	-	-	10	46.7	-	-	-	-
		8-16	176	43.3	8-12	684	44.1	1812	43.0	-	-	10	50.5	161	44.4	-	-
		>17	166	43.9	13-18	249	44.4	904	43.0	-	-	-	-	157	44.3	-	-
		-	-	-	19-40	433	44.1	1645	43.0	78	43.8	20	48.5	-	-	110	43.3
		-	-	-	≥71	-	-	218	43.0	-	-	10	52.1	-	-	-	-
RDW [%]	M	8-16	179	12.7	8-12	-	-	1932	13.1	-	-	-	-	-	-	-	-
		>17	164	13.0	13-18	-	-	861	14.0	-	-	-	-	-	-	-	-
		-	-	-	19-40	-	-	1544	15.1	-	-	-	-	-	-	-	-
	F	8-16	176	12.2	8-12	-	-	1812	12.7	-	-	-	-	-	-	-	-
		>17	165	12.0	13-18	-	-	885	14.1	-	-	-	-	-	-	-	-
		-	-	-	19-40	-	-	1598	13.3	-	-	-	-	-	-	-	-

Table S4 continued: Comparison of different rat strains

Parameter	Sex	Age in weeks	N	Crl:WI (Han)	Age in weeks	N	Crl:WI (Han)	N	RccHan™: WIST	N	RccHan™: WIST	N	GALAS	N	Hsd: SD®	N	Crl:CD (SD)
MCV [fL]	M	-	-	-	≤7	-	-	57	59.8	-	-	10	64.0	-	-	-	-
		8-16	181	53.5	8-12	448	55.4	1932	54.7	-	-	10	61.0	152	56.7	-	-
		>17	167	50.7	13-18	222	52.6	881	53.1	-	-	-	-	160	52.8	-	-
		-	-	-	19-40	430	52.5	1598	50.7	78	55.4	20	56.3	-	-	110	51.0
		-	-	-	≥71	-	-	198	53.1	-	-	8	61.6	-	-	-	-
	F	-	-	-	≤7	-	-	56	58.6	-	-	10	63.8	-	-	-	-
		8-16	176	53.8	8-12	423	55.0	1812	54.0	-	-	10	61.6	161	55.4	-	-
		>17	166	53.6	13-18	212	53.5	904	54.7	-	-	-	-	157	53.8	-	-
		-	-	-	19-40	434	54.9	1645	53.6	78	57.2	20	59.0	-	-	110	53.0
		-	-	-	≥71	-	-	218	56.8	-	-	10	64.3	-	-	-	-
MCH [fmol/L]	M	-	-	-	≤7	-	-	57	1.26	-	-	10	1.30	-	-	-	-
		8-16	181	1.16	8-12	438	1.15	1932	1.20	-	-	10	1.17	152	1.18	-	-
		>17	167	1.11	13-18	220	1.11	881	1.17	-	-	-	-	160	1.11	-	-
		-	-	-	19-40	421	1.10	1598	1.13	78	1.20	20	1.07	-	-	110	1.06
		-	-	-	≥71	-	-	198	1.15	-	-	8	1.11	-	-	-	-
	F	-	-	-	≤7	-	-	56	1.25	-	-	10	1.25	-	-	-	-
		8-16	176	1.18	8-12	412	1.16	1812	1.20	-	-	10	1.16	161	1.19	-	-
		>17	166	1.17	13-18	211	1.14	904	1.22	-	-	-	-	157	1.14	-	-
		-	-	-	19-40	426	1.15	1645	1.20	78	1.25	20	1.12	-	-	110	1.14
		-	-	-	≥71	-	-	218	1.25	-	-	10	1.18	-	-	-	-

Table S4 continued: Comparison of different rat strains

Parameter	Sex	Age in weeks	N	Crl:WI (Han)	Age in weeks	N	Crl:WI (Han)	N	RccHan™: WIST	N	RccHan™: WIST	N	GALAS	N	Hsd: SD®	N	Crl:CD (SD)
MCHC [mmol/L]	M	-	-	-	≤7	-	-	57	21.01	-	-	10	20.18	-	-	-	-
		8-16	181	21.67	8-12	438	20.81	1932	21.90	-	-	10	19.19	152	20.87	-	-
		>17	167	21.80	13-18	220	21.04	881	22.05	-	-	-	-	160	21.05	-	-
		-	-	-	19-40	420	20.93	1598	22.23	78	21.75	20	19.11	-	-	110	20.74
		-	-	-	≥71	-	-	198	21.70	-	-	8	18.07	-	-	-	-
	F	-	-	-	≤7	-	-	56	21.35	-	-	10	19.69	-	-	-	-
		8-16	176	21.92	8-12	412	21.08	1812	22.23	-	-	10	18.75	161	21.42	-	-
		>17	166	21.80	13-18	211	21.25	904	22.36	-	-	-	-	157	21.30	-	-
		-	-	-	19-40	425	21.02	1645	22.33	78	21.77	20	19.16	-	-	110	21.42
		-	-	-	≥71	-	-	218	21.98	-	-	10	18.38	-	-	-	-
HDW [mmol/L]	M	8-16	181	1.7	8-12	-	-	1932	1.6	-	-	-	-	-	-	-	-
		>17	167	1.7	13-18	-	-	861	1.7	-	-	-	-	-	-	-	-
		-	-	-	19-40	-	-	1544	1.8	-	-	-	-	-	-	-	-
	F	8-16	176	1.4	8-12	-	-	1812	1.5	-	-	-	-	-	-	-	-
		>17	166	1.4	13-18	-	-	885	1.5	-	-	-	-	-	-	-	-
		-	-	-	19-40	-	-	1589	1.5	-	-	-	-	-	-	-	-
RET [%]	M	8-16	163	2.9	8-12	350	2.4	1912	2.9	-	-	-	-	-	-	-	-
		>17	156	1.9	13-18	198	2.0	881	2.3	-	-	-	-	-	-	-	-
		-	-	-	19-40	402	1.7	1598	2.0	-	-	-	-	-	-	110	2.3
	F	8-16	156	2.7	8-12	323	2.3	1793	2.8	-	-	-	-	-	-	-	-
		>17	154	2.3	13-18	188	2.2	904	2.5	-	-	-	-	-	-	-	-
		-	-	-	19-40	405	2.0	1645	2.3	-	-	-	-	-	-	110	1.9

Table S4 continued: Comparison of different rat strains

Parameter	Sex	Age in weeks	N	Crl:WI (Han)	Age in weeks	N	Crl:WI (Han)	N	RccHan™: WIST	N	RccHan™: WIST	N	GALAS	N	Hsd: SD®	N	Crl:CD (SD)
WBC [G/L]	M	-	-	-	≤7	-	-	57	5.64	-	-	10	6.90	-	-	-	-
		8-16	181	4.52	8-12	720	6.21	1932	7.19	-	-	10	10.80	152	12.90	-	-
		>17	165	4.28	13-18	258	5.34	881	6.80	-	-	-	-	160	10.80	-	-
		-	-	-	19-40	434	4.35	1598	6.22	78	10.14	20	6.53	-	-	110	8.90
		-	-	-	≥71	-	-	311	5.76	-	-	8	12.90	-	-	-	-
	F	-	-	-	≤7	-	-	56	4.49	-	-	10	6.80	-	-	-	-
		8-16	176	3.12	8-12	685	3.74	1810	5.00	-	-	10	7.10	161	8.80	-	-
		>17	165	2.67	13-18	247	3.29	904	4.49	-	-	-	-	157	7.80	-	-
		-	-	-	19-40	431	2.31	1645	3.64	78	7.84	20	5.40	-	-	110	4.33
		-	-	-	≥71	-	-	337	3.83	-	-	10	4.70	-	-	-	-
NEUT [%]	M	8-16	178	15.5	8-12	485	13.2	896	14.5	-	-	-	-	152	11.3	-	-
		>17	167	22.2	13-18	221	17.6	379	15.9	-	-	-	-	160	15.6	-	-
		-	-	-	19-40	428	20.7	761	20.9	78	17.5	-	-	-	-	110	20.8
	F	8-16	175	15.4	8-12	451	13.0	816	15.4	-	-	-	-	161	10.9	-	-
		>17	165	19.3	13-18	206	14.7	416	14.3	-	-	-	-	157	11.9	-	-
		-	-	-	19-40	426	17.1	793	19.7	78	17.6	-	-	-	-	110	18.9
EOS [%]	M	8-16	179	1.3	8-12	472	0.4	1927	1.2	-	-	-	-	152	1.3	-	-
		>17	166	1.7	13-18	215	0.4	881	1.4	-	-	-	-	160	1.8	-	-
		-	-	-	19-40	425	0.5	1598	1.9	78	1.7	-	-	-	-	110	1.2
	F	8-16	174	1.7	8-12	440	0.6	1805	1.4	-	-	-	-	161	1.7	-	-
		>17	165	1.9	13-18	206	0.5	904	1.6	-	-	-	-	157	2.1	-	-
		-	-	-	19-40	413	0.5	1645	2.1	78	1.7	-	-	-	-	110	1.5

Table S4 continued: Comparison of different rat strains

Parameter	Sex	Age in weeks	N	Crl:WI (Han)	Age in weeks	N	Crl:WI (Han)	N	RccHan™: WIST	N	RccHan™: WIST	N	GALAS	N	Hsd: SD®	N	Crl:CD (SD)
BASO [%]	M	8-16	181	0.3	8-12	488	0.2	1927	0.6	-	-	-	-	152	0.3	-	-
		>17	167	0.3	13-18	217	0.2	881	0.5	-	-	-	-	160	0.3	-	-
		-	-	-	19-40	430	0.1	1598	0.4	78	0.0	-	-	-	-	110	0.2
	F	8-16	176	0.3	8-12	446	0.2	1805	0.5	-	-	-	-	161	0.2	-	-
		>17	166	0.2	13-18	206	0.2	904	0.4	-	-	-	-	157	0.2	-	-
		-	-	-	19-40	426	0.1	1645	0.4	78	0.0	-	-	-	-	110	0.1
LYMPH [%]	M	8-16	179	80.2	8-12	484	82.7	1927	80.8	-	-	-	-	152	83.1	-	-
		>17	167	73.3	13-18	221	77.9	881	79.3	-	-	-	-	160	78.4	-	-
		-	-	-	19-40	427	75.5	1598	74.3	78	77.3	-	-	-	-	110	74.2
	F	8-16	175	80.0	8-12	453	82.8	1805	79.6	-	-	-	-	161	83.7	-	-
		>17	165	75.8	13-18	207	80.9	904	80.3	-	-	-	-	157	82.2	-	-
		-	-	-	19-40	426	79.5	1645	75.4	78	78.1	-	-	-	-	110	75.9
MONO [%]	M	8-16	179	1.9	8-12	463	2.6	1927	1.8	-	-	-	-	152	2.5	-	-
		>17	166	2.0	13-18	193	2.4	881	1.9	-	-	-	-	160	2.8	-	-
		-	-	-	19-40	420	2.4	1598	2.2	78	3.5	-	-	-	-	110	2.6
	F	8-16	176	2.0	8-12	447	2.7	1805	1.7	-	-	-	-	161	2.3	-	-
		>17	165	2.0	13-18	196	2.6	904	1.8	-	-	-	-	157	2.5	-	-
		-	-	-	19-40	431	2.2	1645	2.0	78	2.7	-	-	-	-	110	2.4
LUC [%]	M	8-16	176	0.5	8-12	229	0.3	1927	0.9	-	-	-	-	152	1.4	-	-
		>17	165	0.5	13-18	102	0.3	881	0.9	-	-	-	-	160	1.2	-	-
		-	-	-	19-40	325	0.4	1598	0.8	-	-	-	-	-	-	110	0.9
	F	8-16	171	0.5	8-12	207	0.2	1805	0.8	-	-	-	-	161	1.2	-	-
		>17	164	0.4	13-18	97	0.3	904	0.8	-	-	-	-	157	1.0	-	-
		-	-	-	19-40	322	0.4	1645	0.8	-	-	-	-	-	-	110	0.9

Table S4 continued: Comparison of different rat strains

Parameter	Sex	Age in weeks	N	Crl:WI (Han)	Age in weeks	N	Crl:WI (Han)	N	RccHan™: WIST	N	RccHan™: WIST	N	GALAS	N	Hsd: SD®	N	Crl:CD (SD)
PLT [G/L]	M	-	-	-	≤7	-	-	57	1234	-	-	10	1184	-	-		
		8-16	181	904	8-12	717	858	1932	1041	-	-	10	1109	151	1029	-	-
		>17	167	846	13-18	258	768	881	976	-	-	-	-	160	959	-	-
		-	-	-	19-40	434	691	1598	912	78	752	20	895	-	-	110	1136
		-	-	-	≥71	-	-	198	948	-	-	8	856	-	-	-	-
	F	-	-	-	≤7	-	-	56	1285	-	-	10	1217	-	-	-	-
		8-16	175	929	8-12	682	846	1812	1074	-	-	10	1111	161	1066	-	-
		>17	165	836	13-18	250	805	904	1023	-	-	-	-	157	1038	-	-
		-	-	-	19-40	432	720	1645	963	78	764	20	904	-	-	110	1097
		-	-	-	≥71	-	-	218	863	-	-	10	805	-	-	-	-