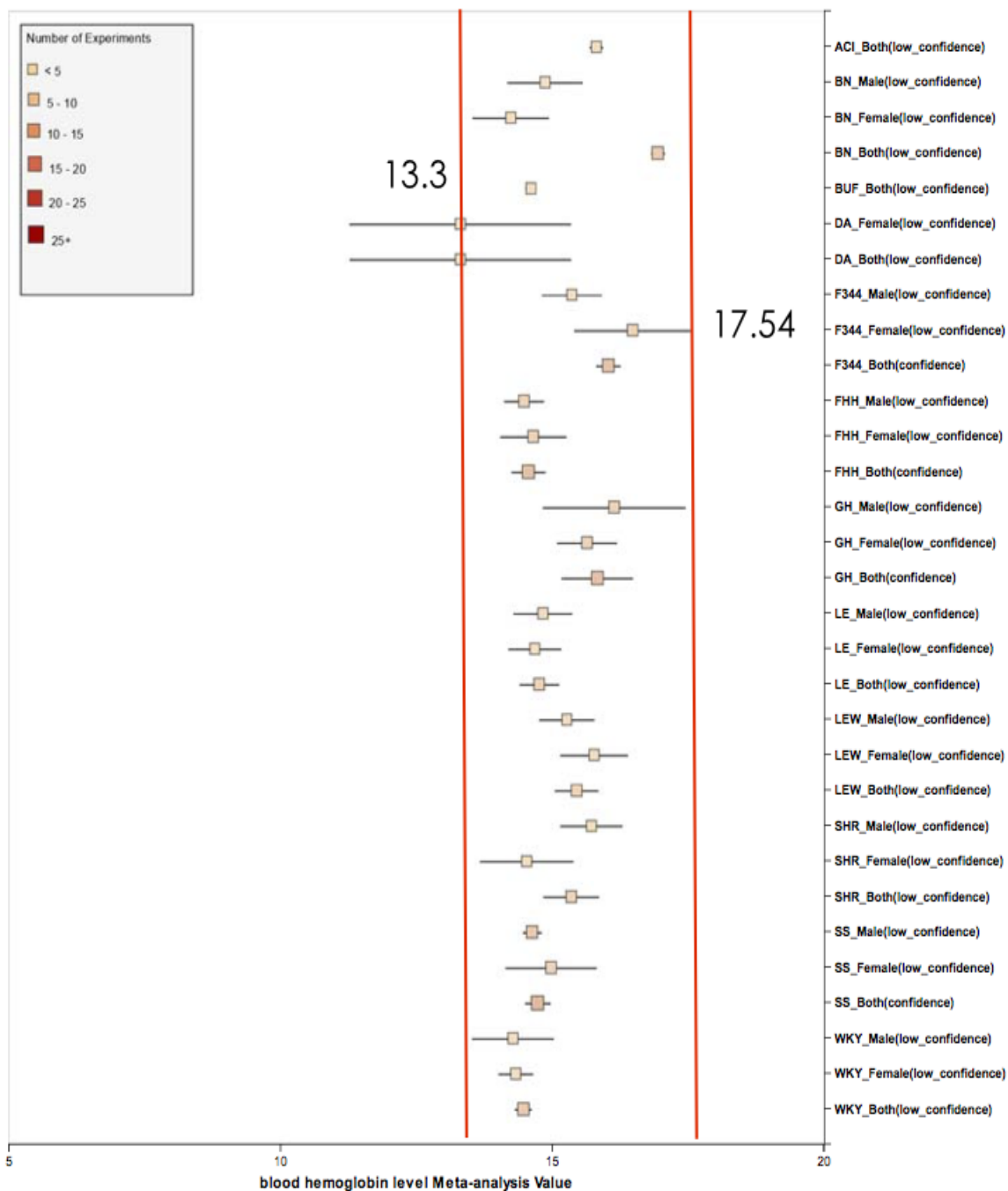
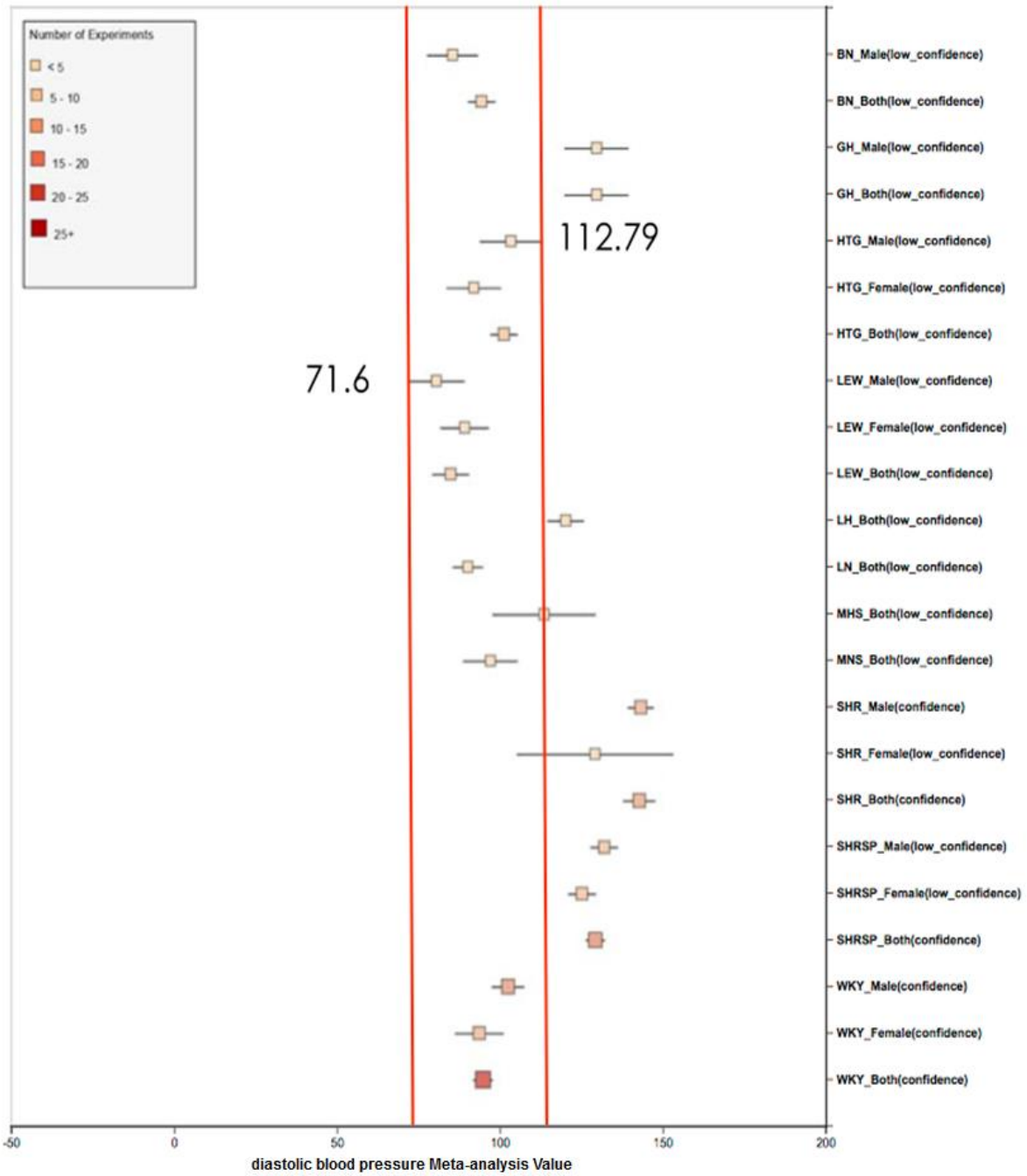
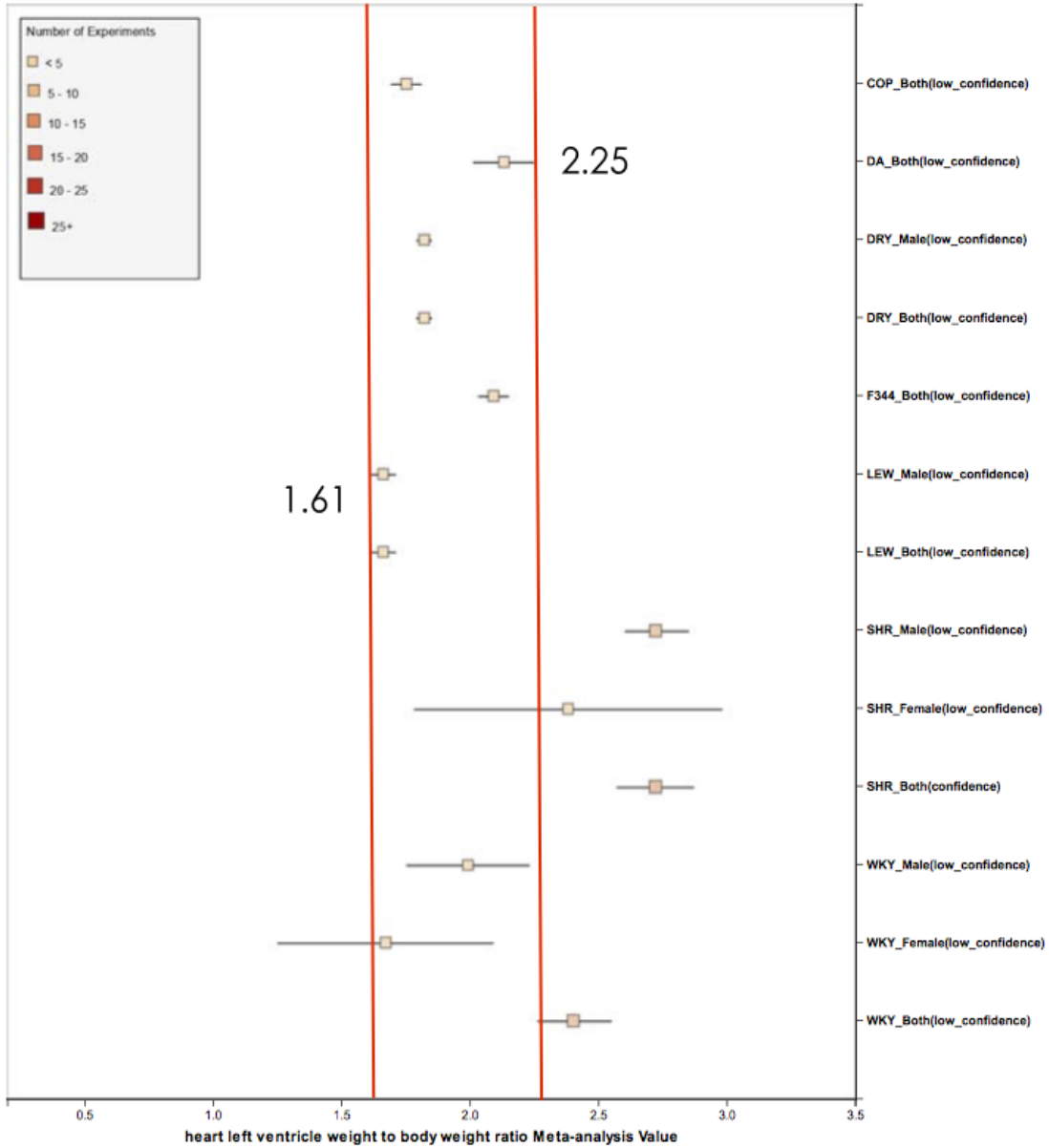
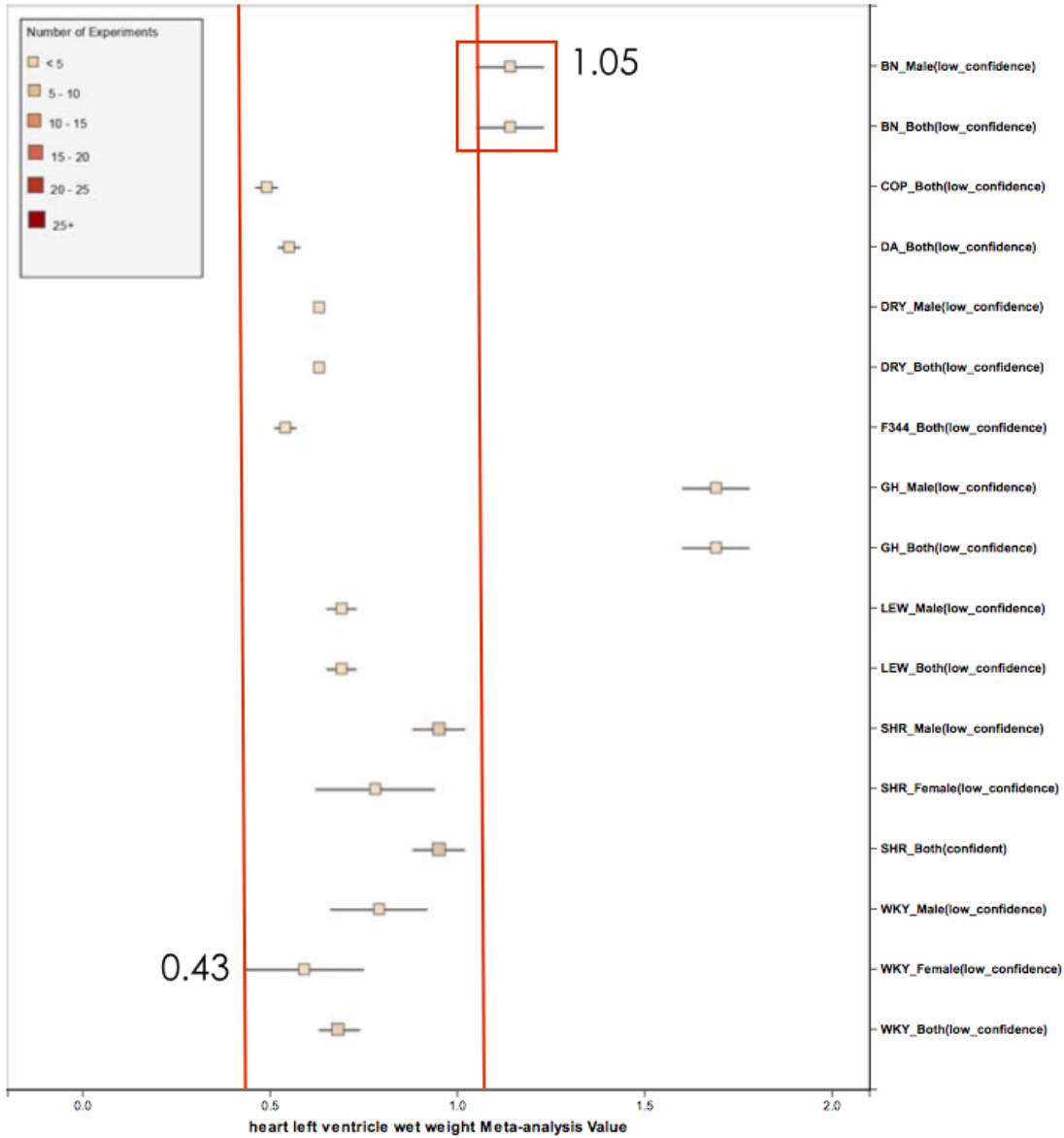


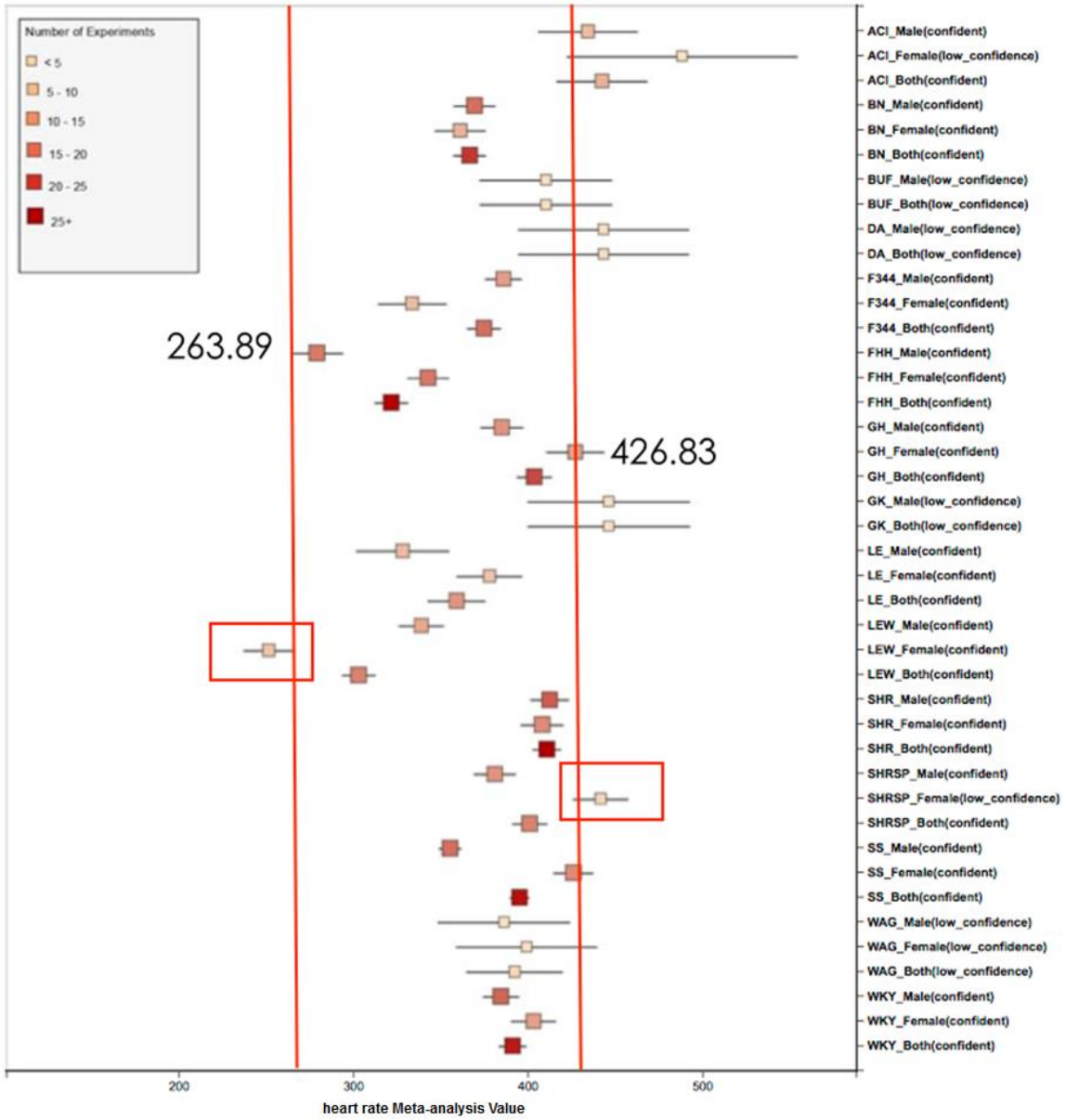
SUPPLEMENTARY INFORMATION I: META-ANALYSIS SUMMARIES FOR 24 CARDIOVASCULAR PHENOTYPES

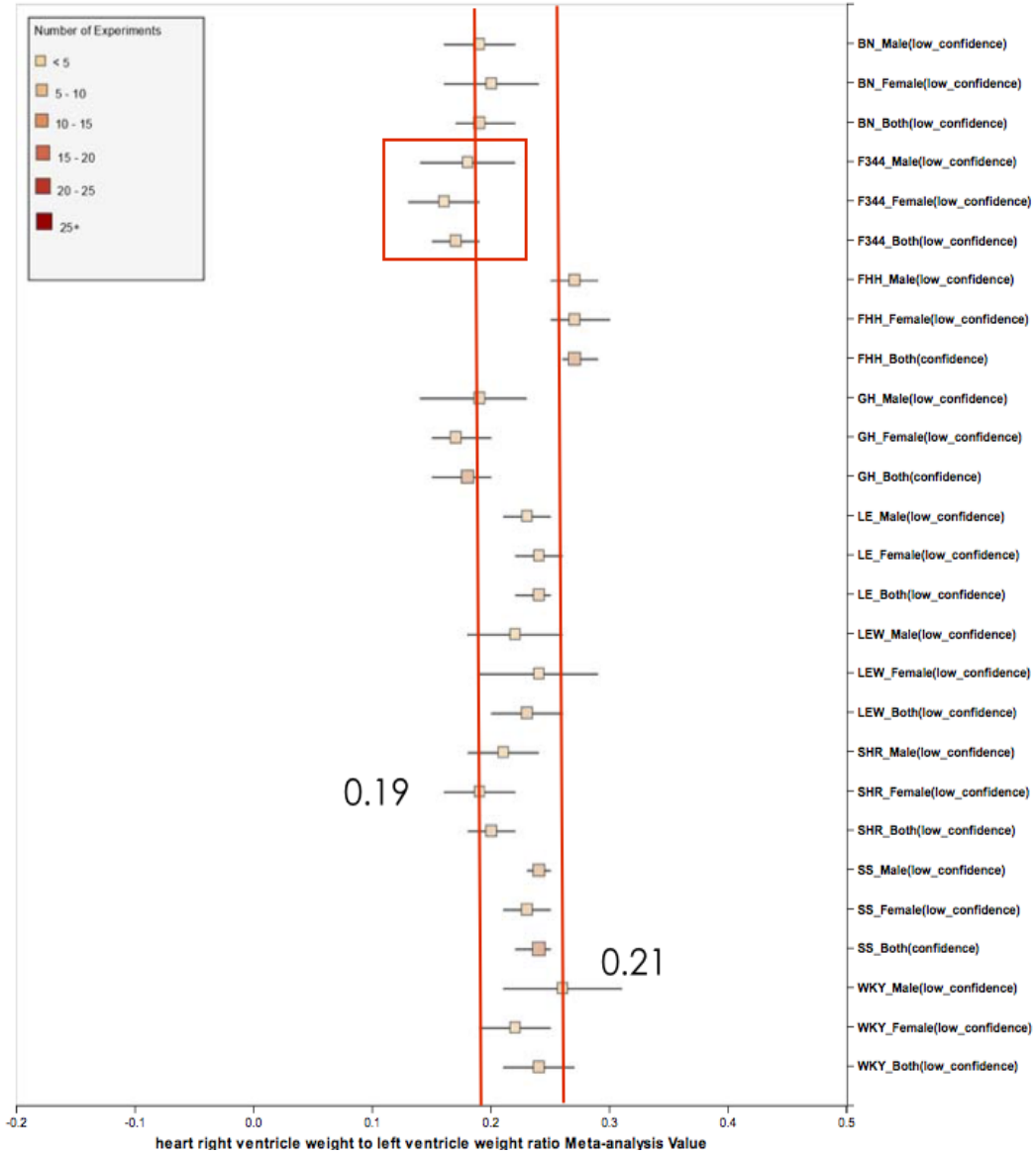


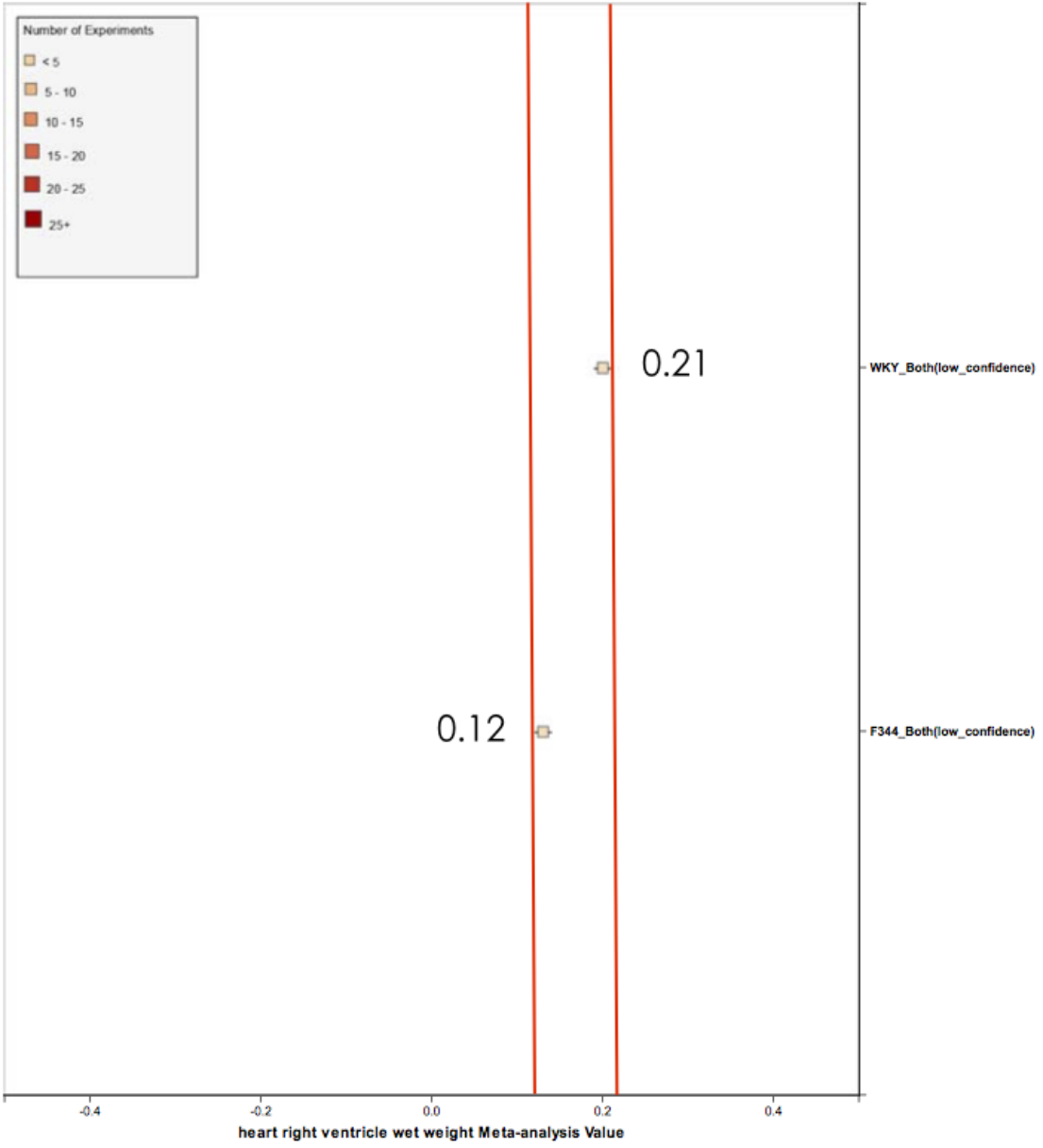


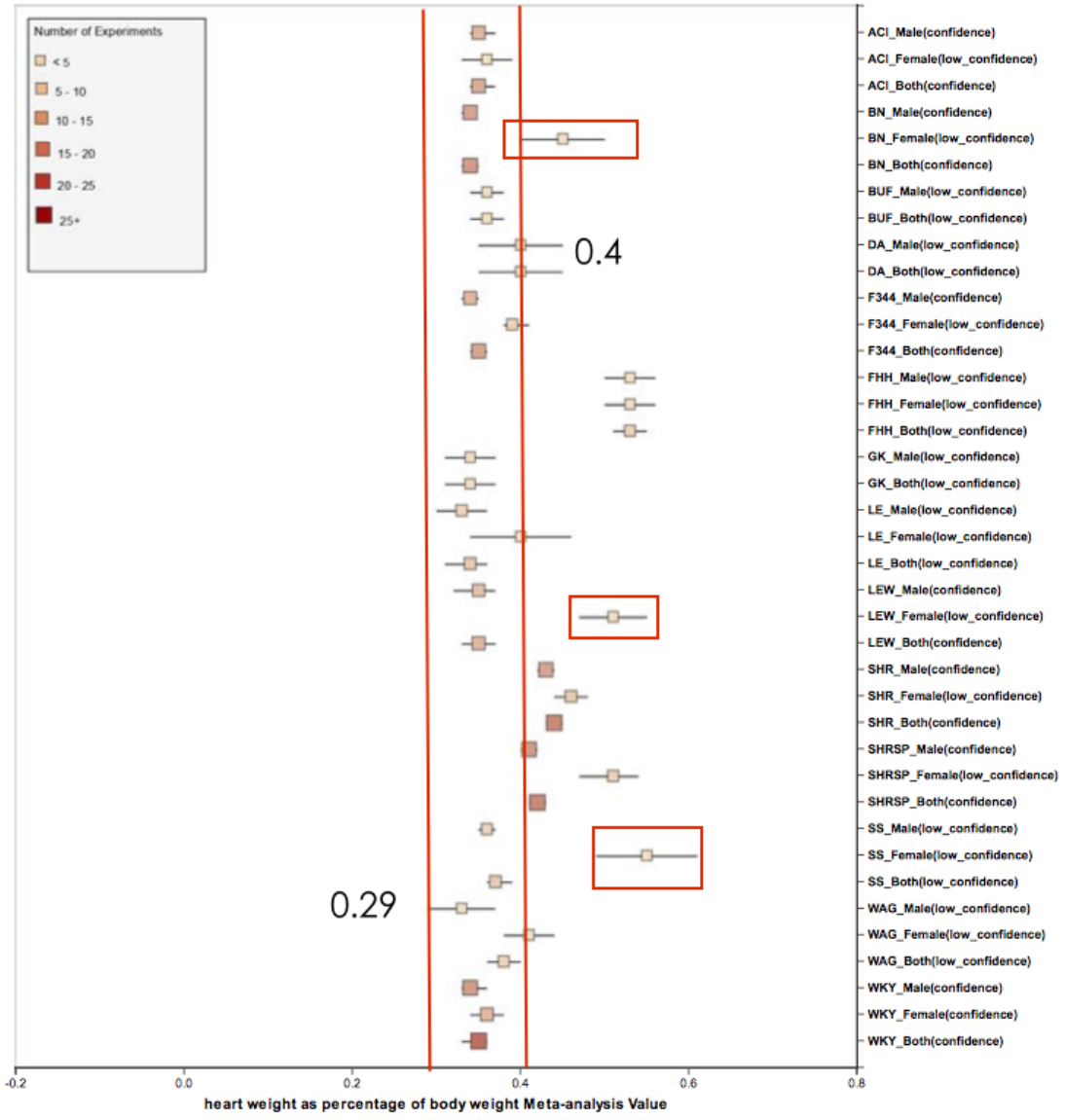


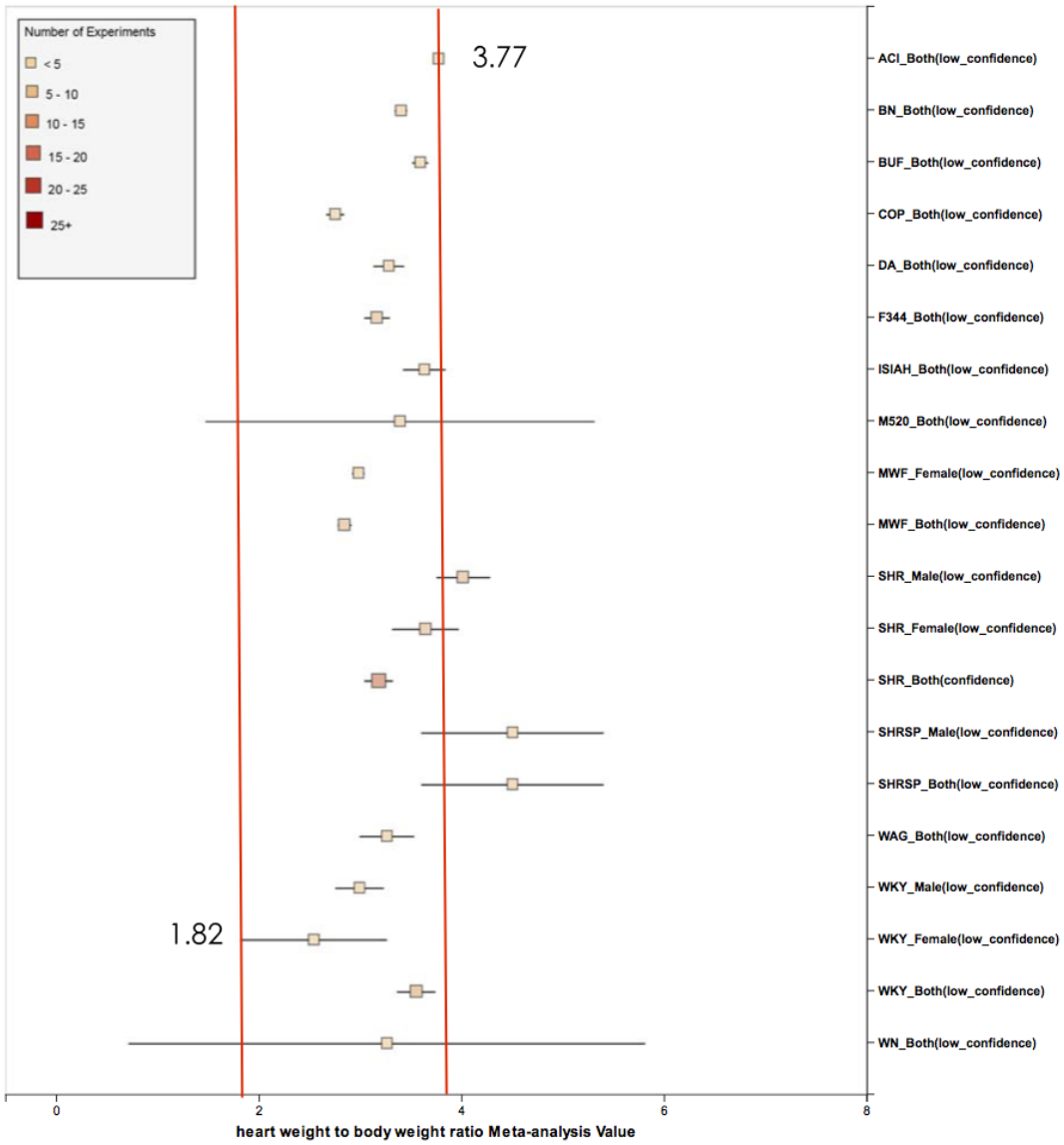


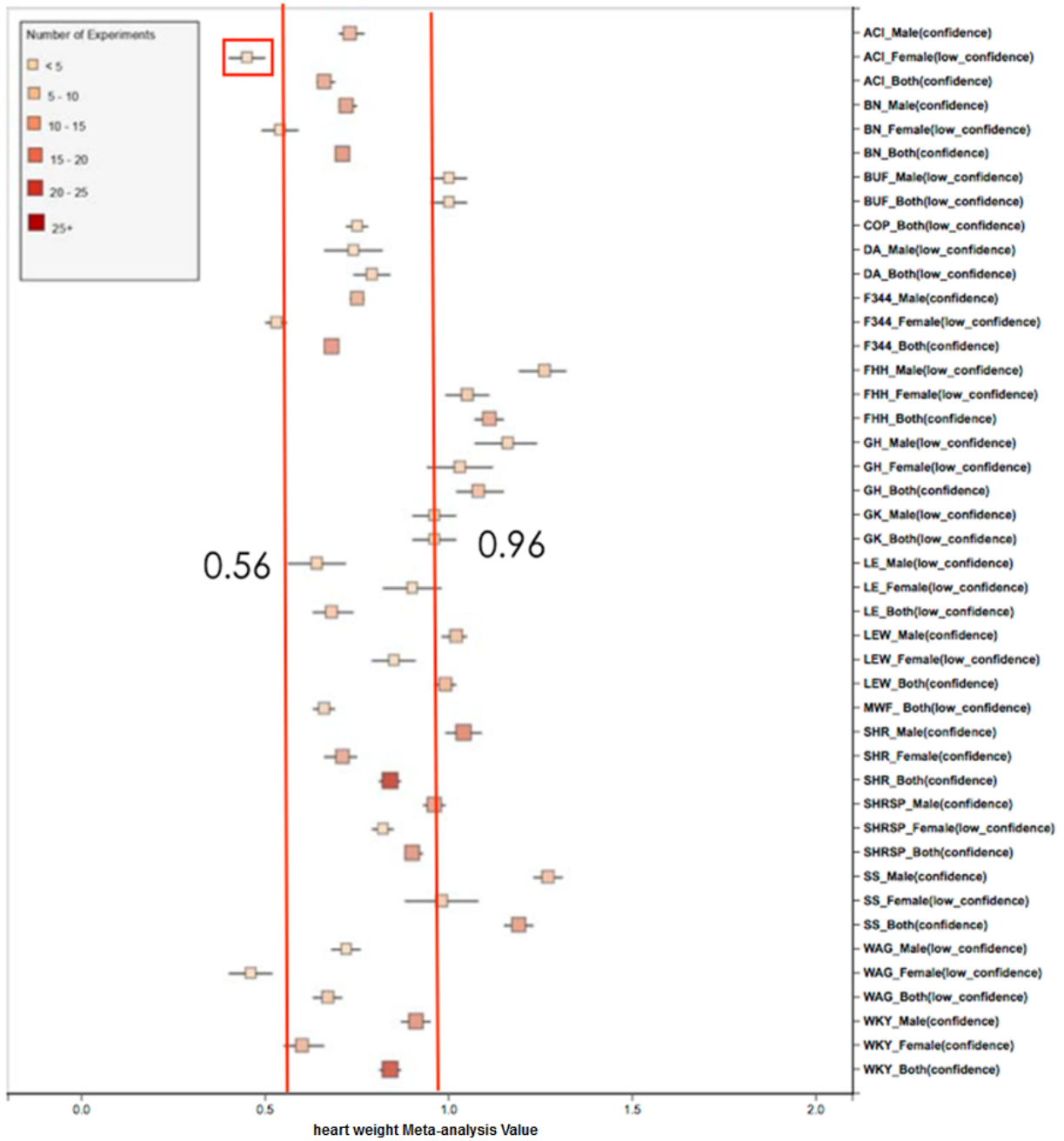


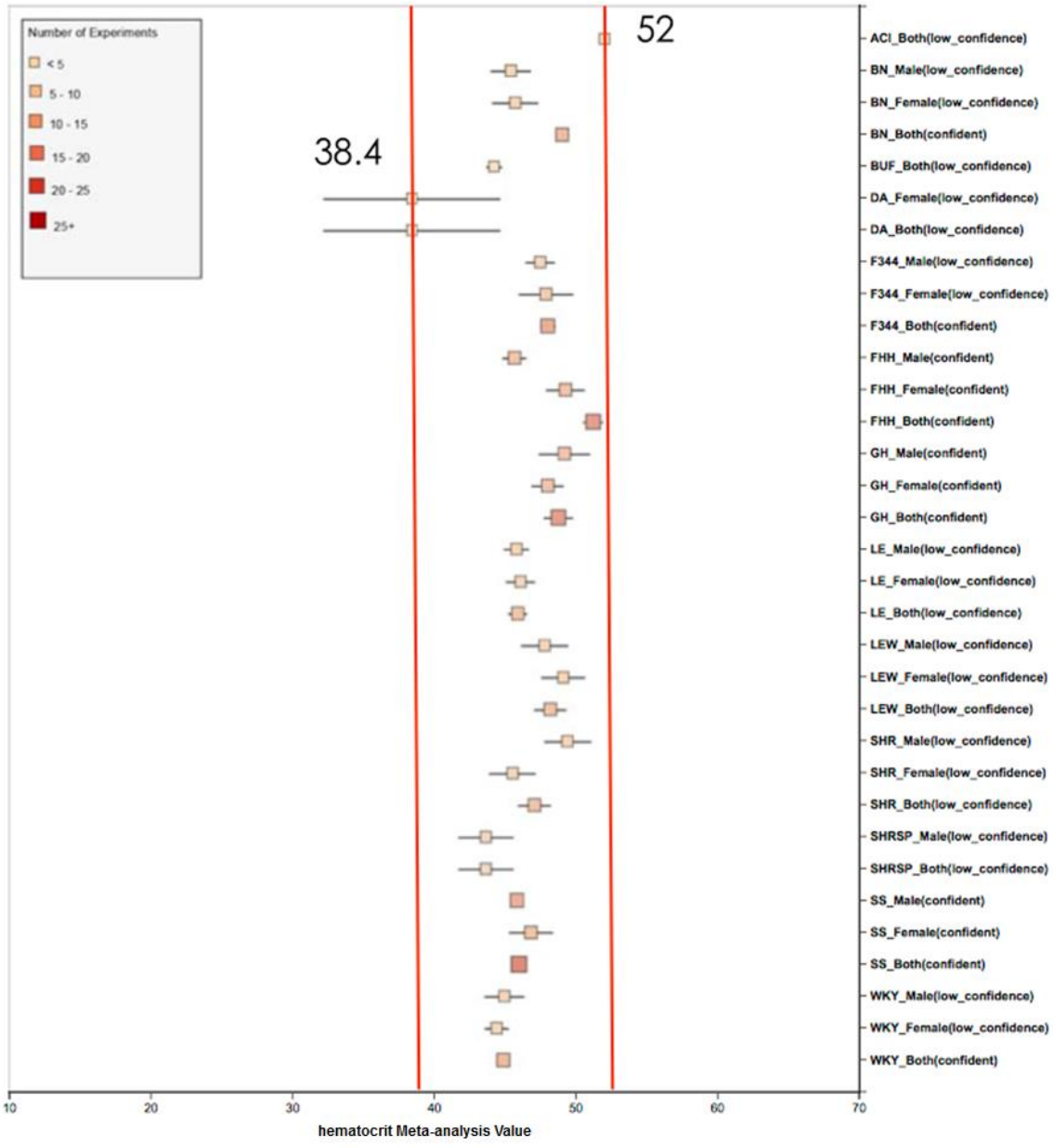


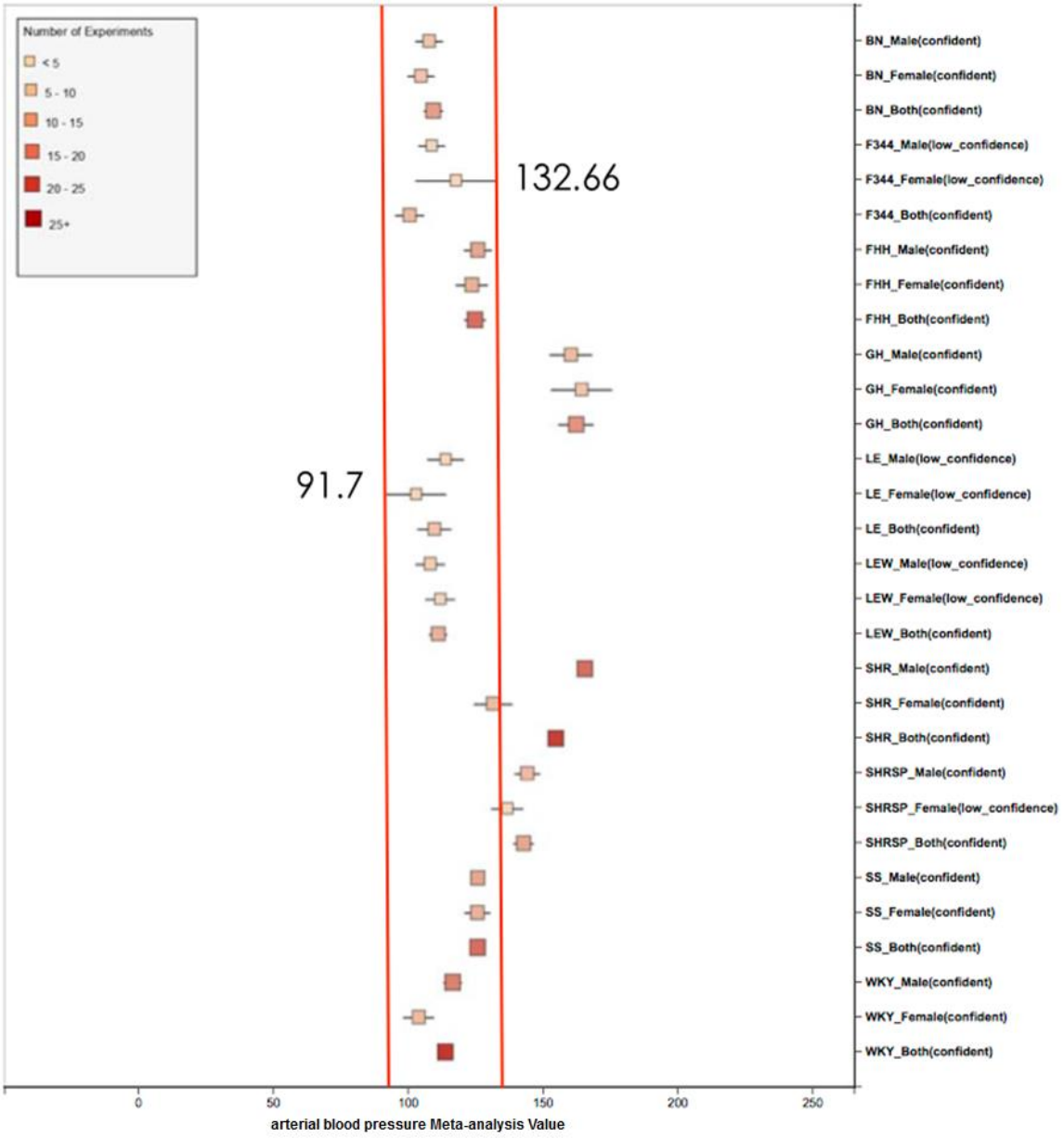


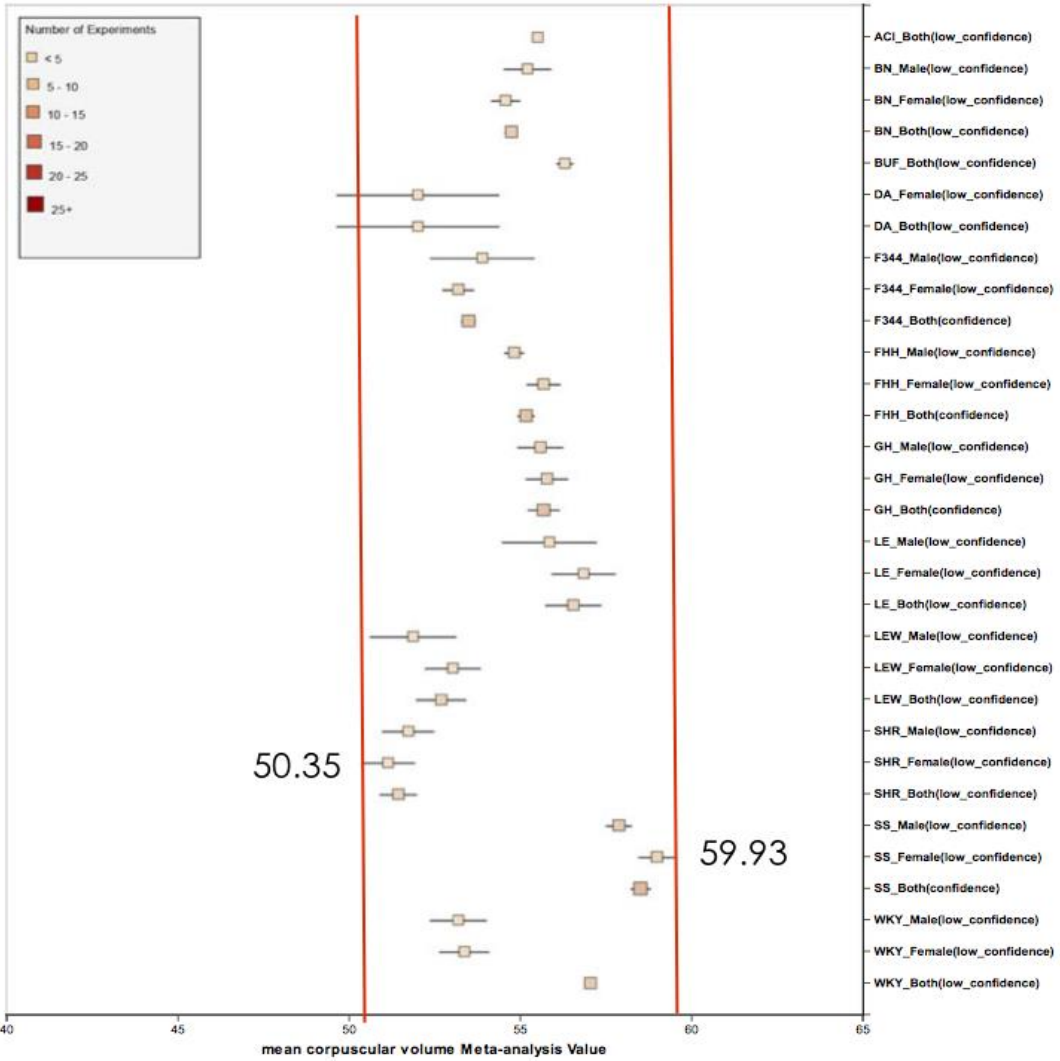


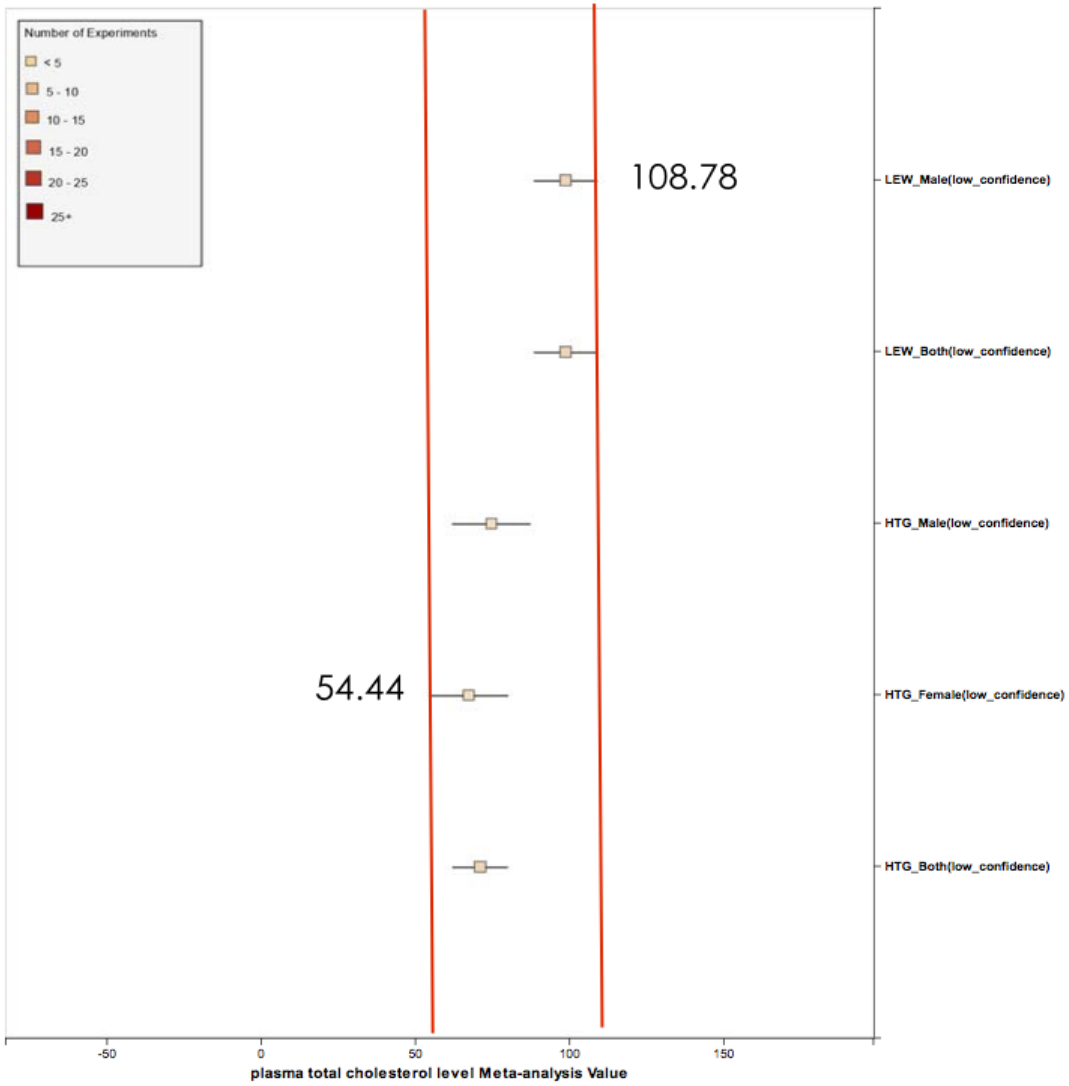


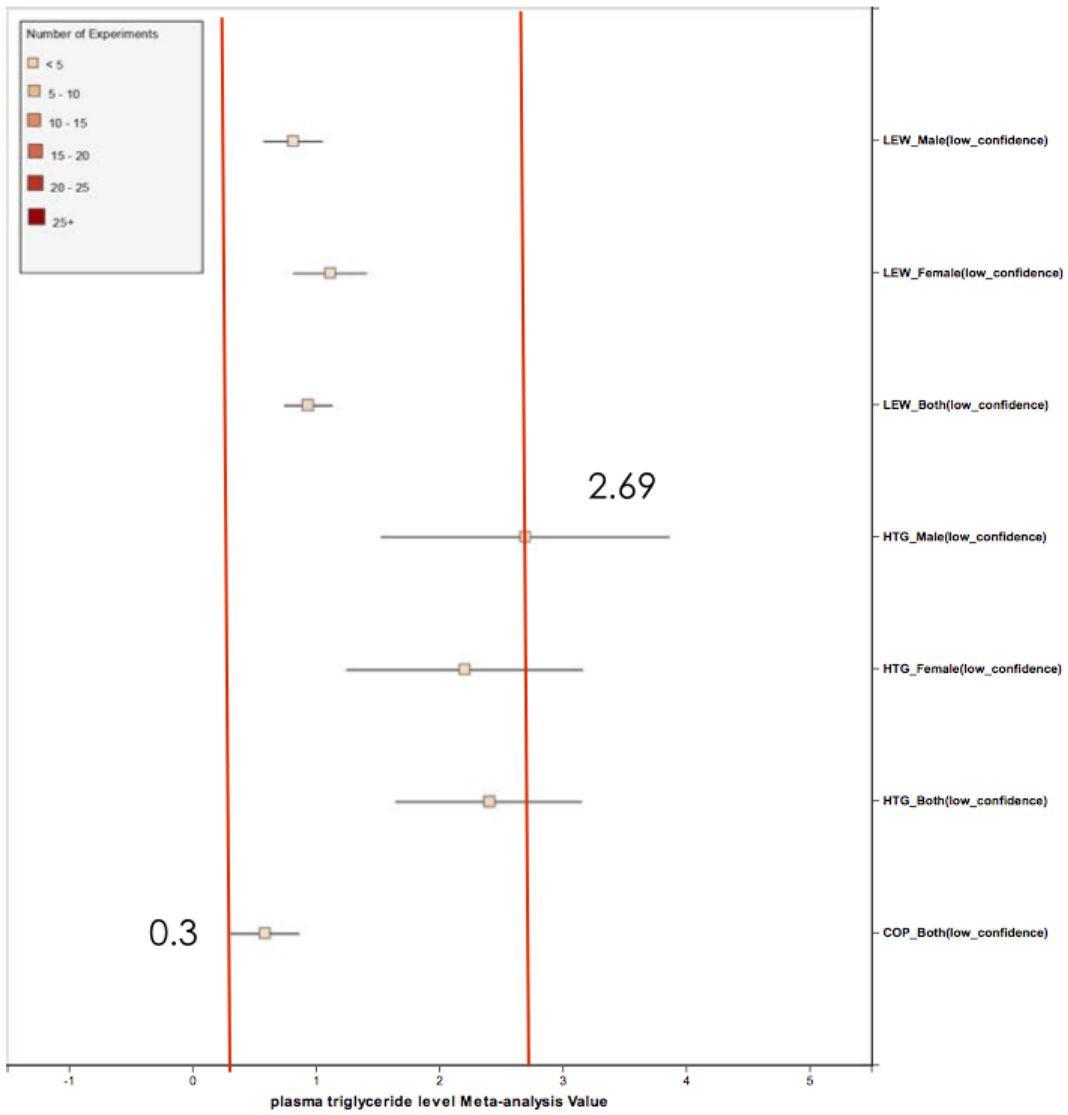


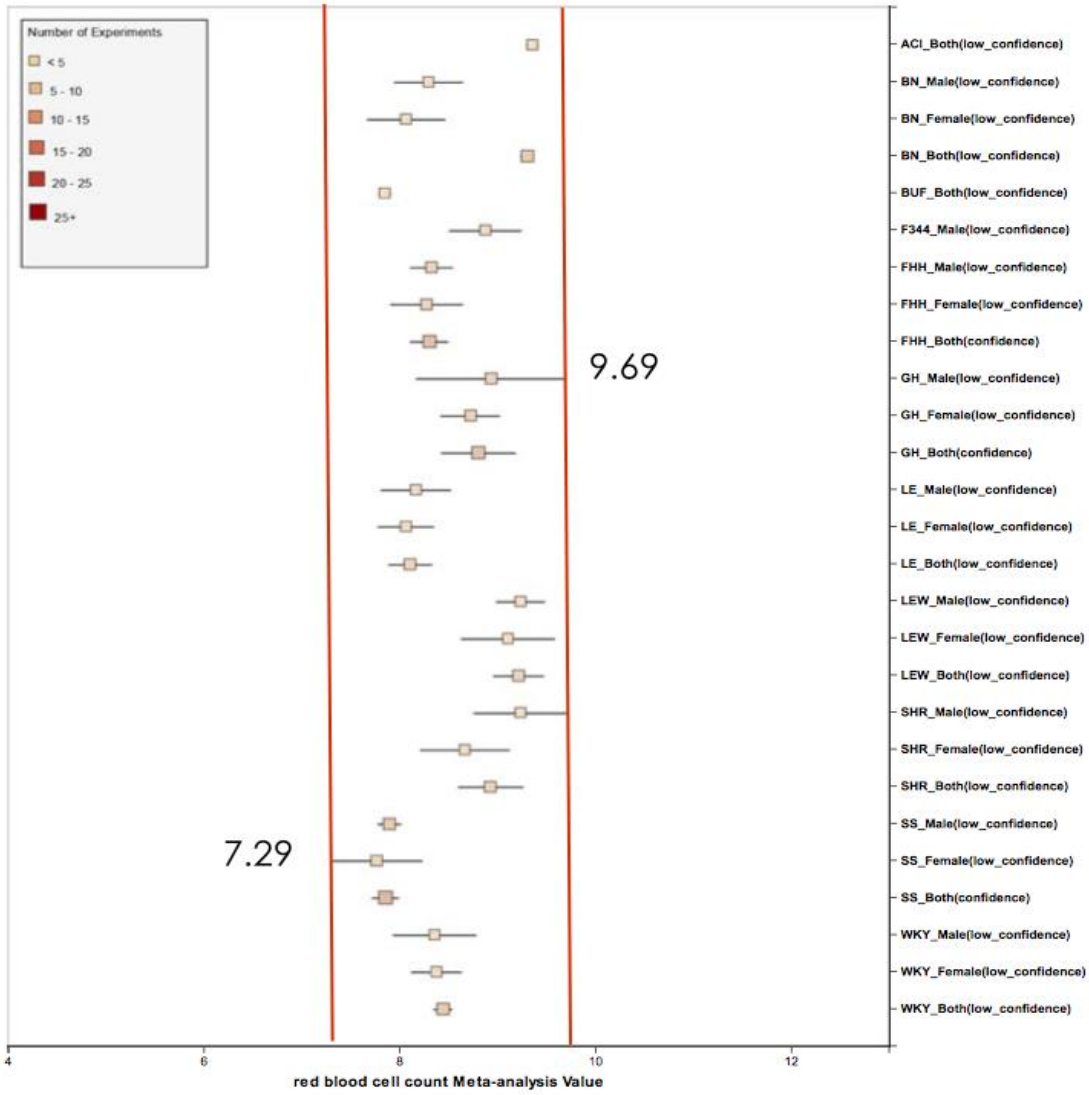


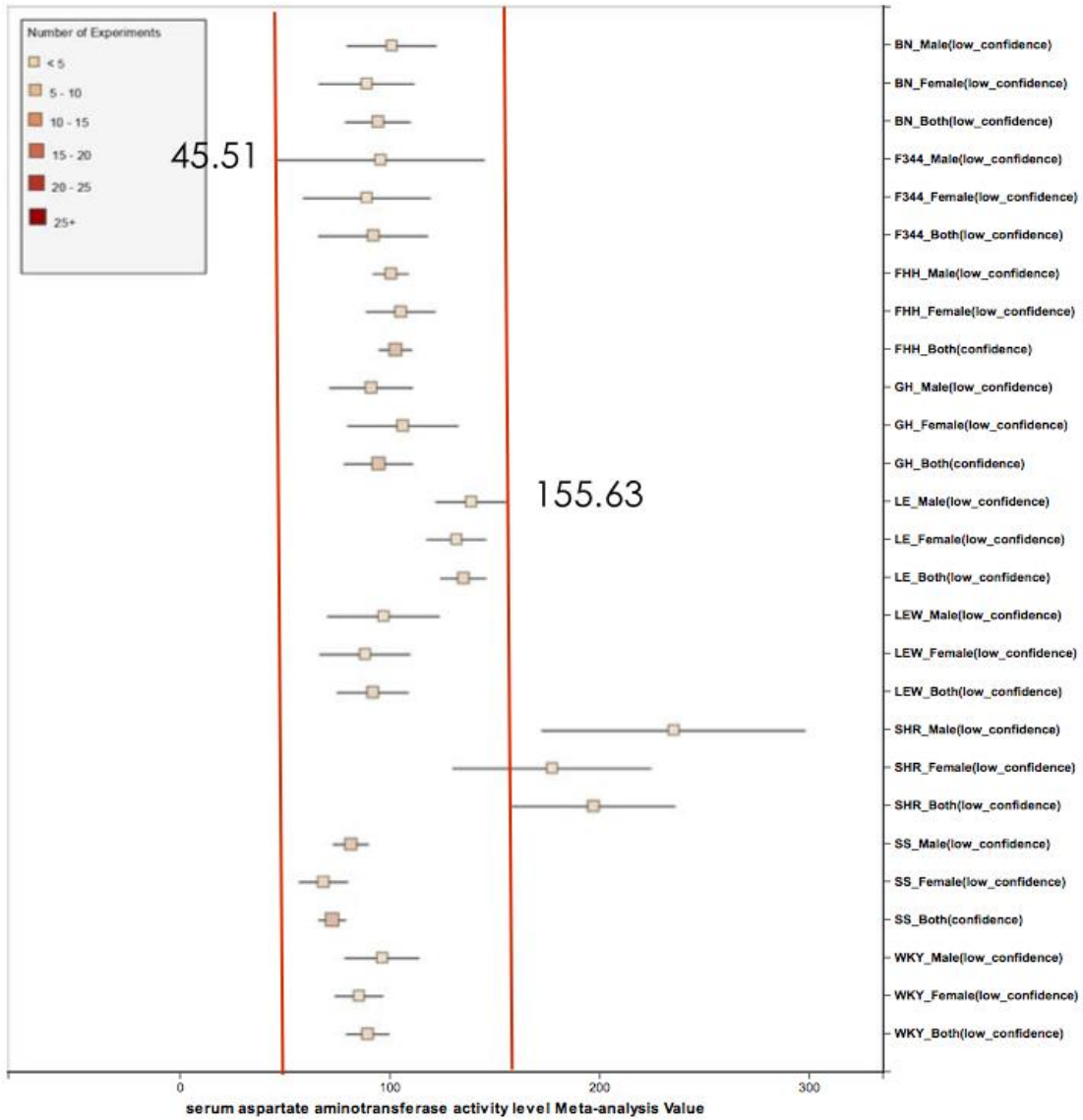


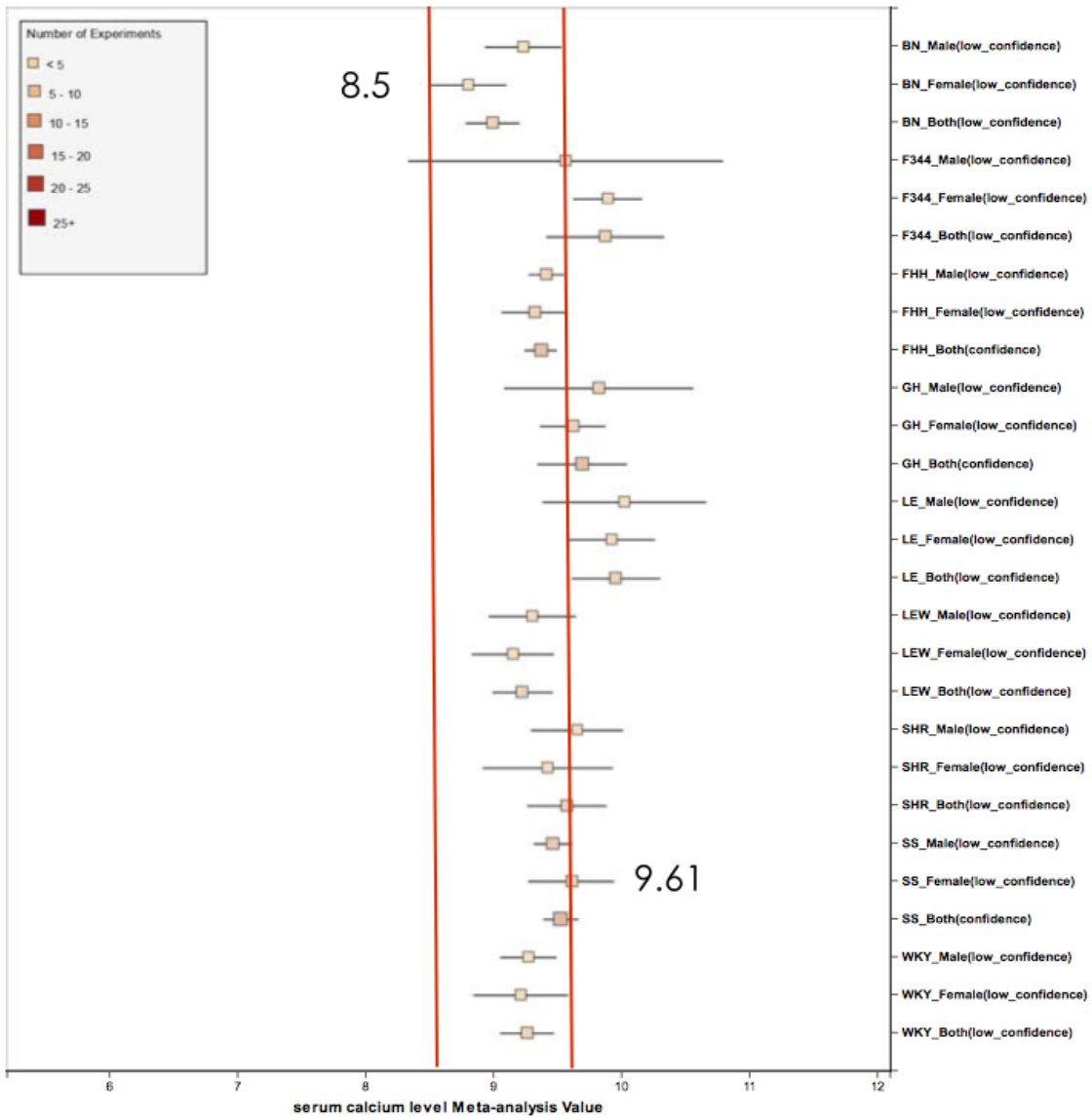


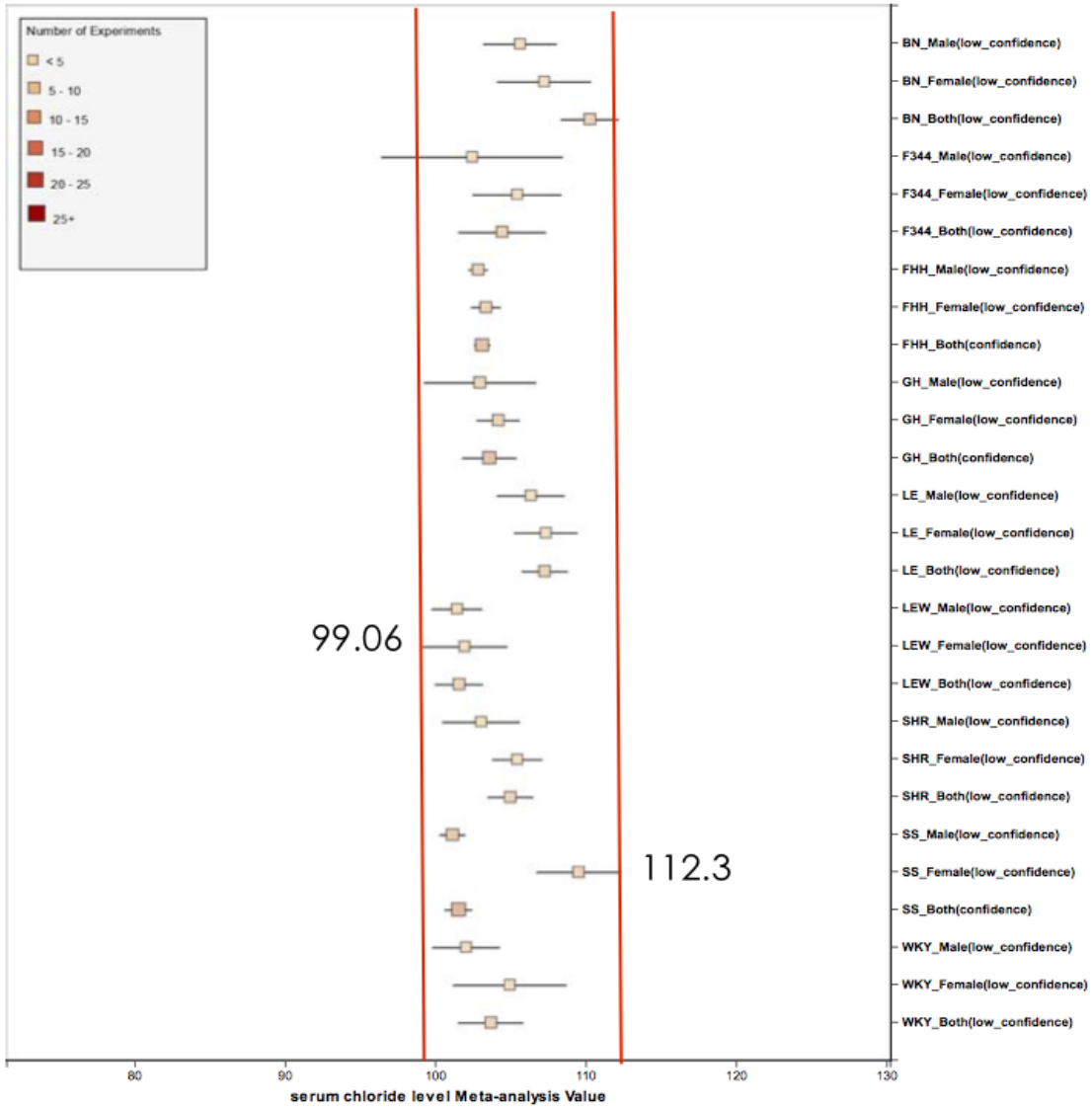


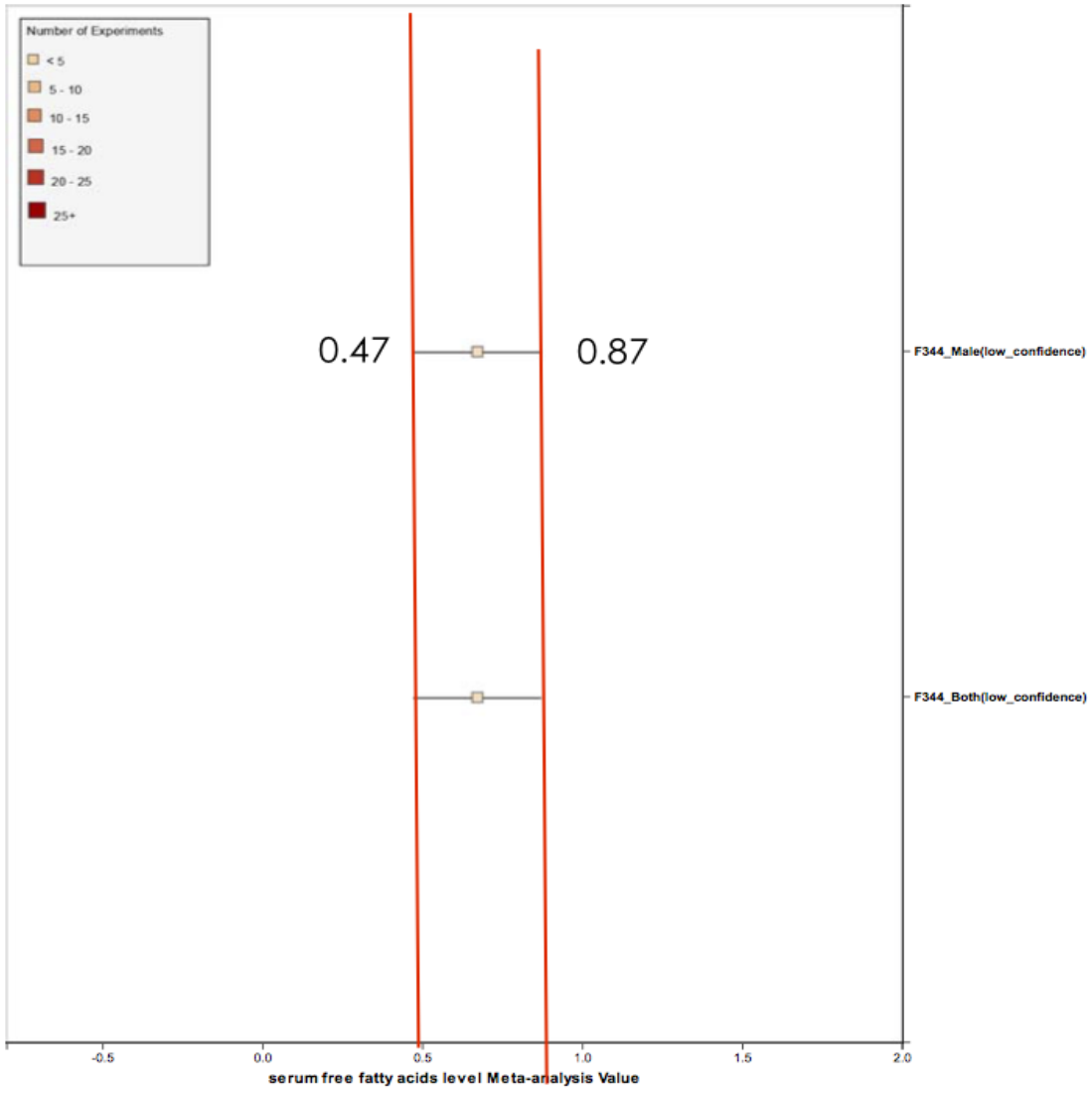


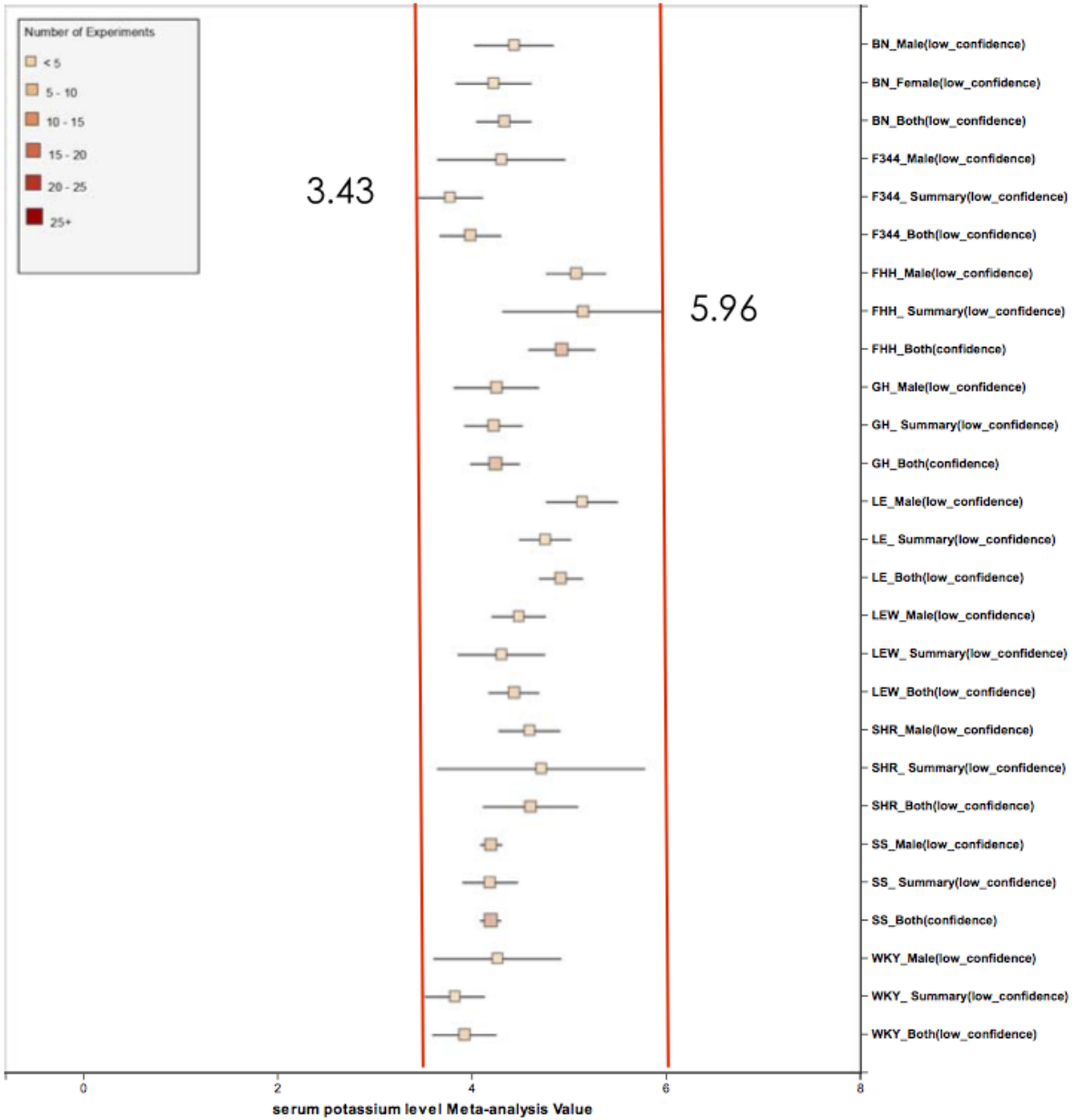


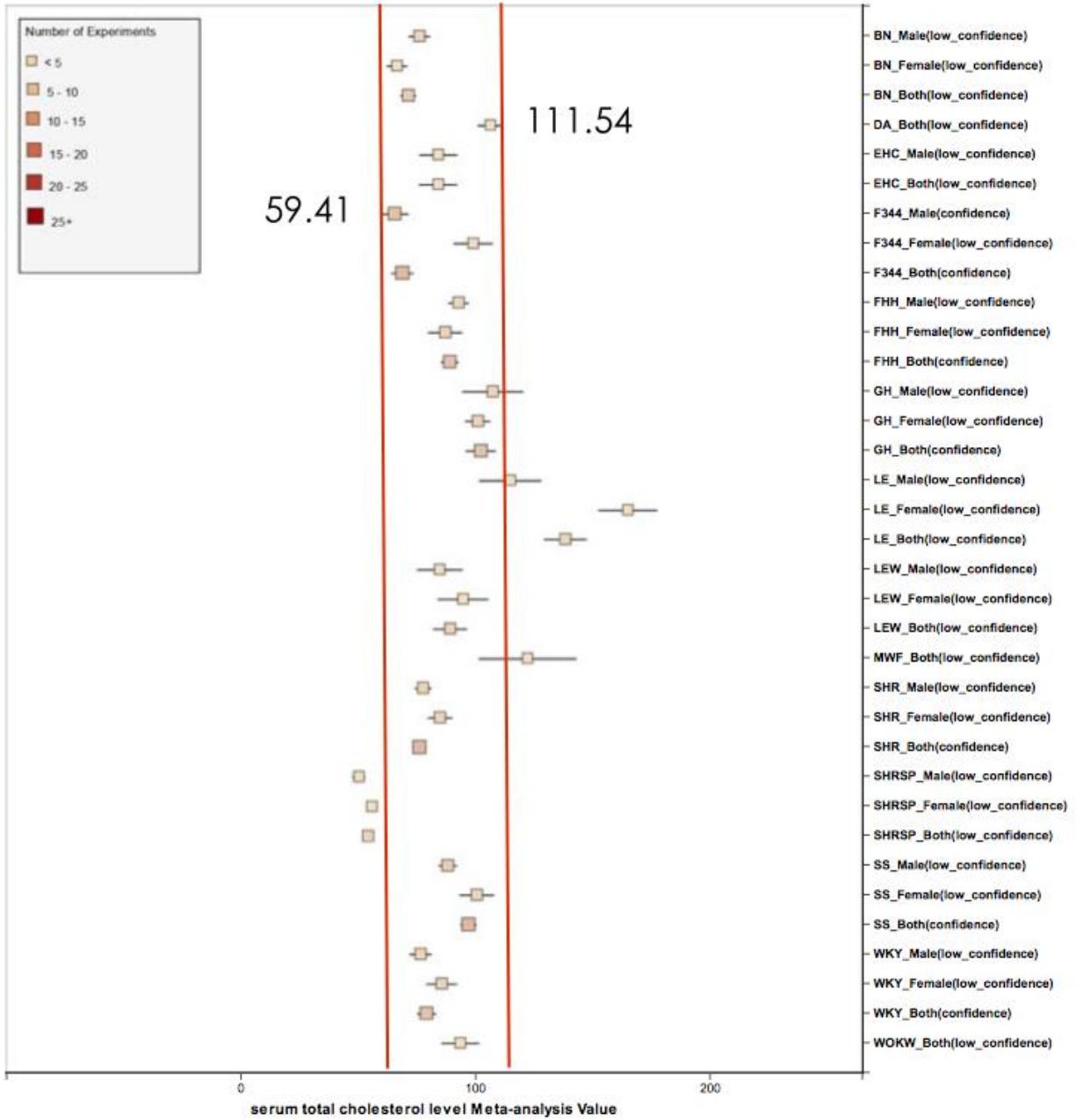


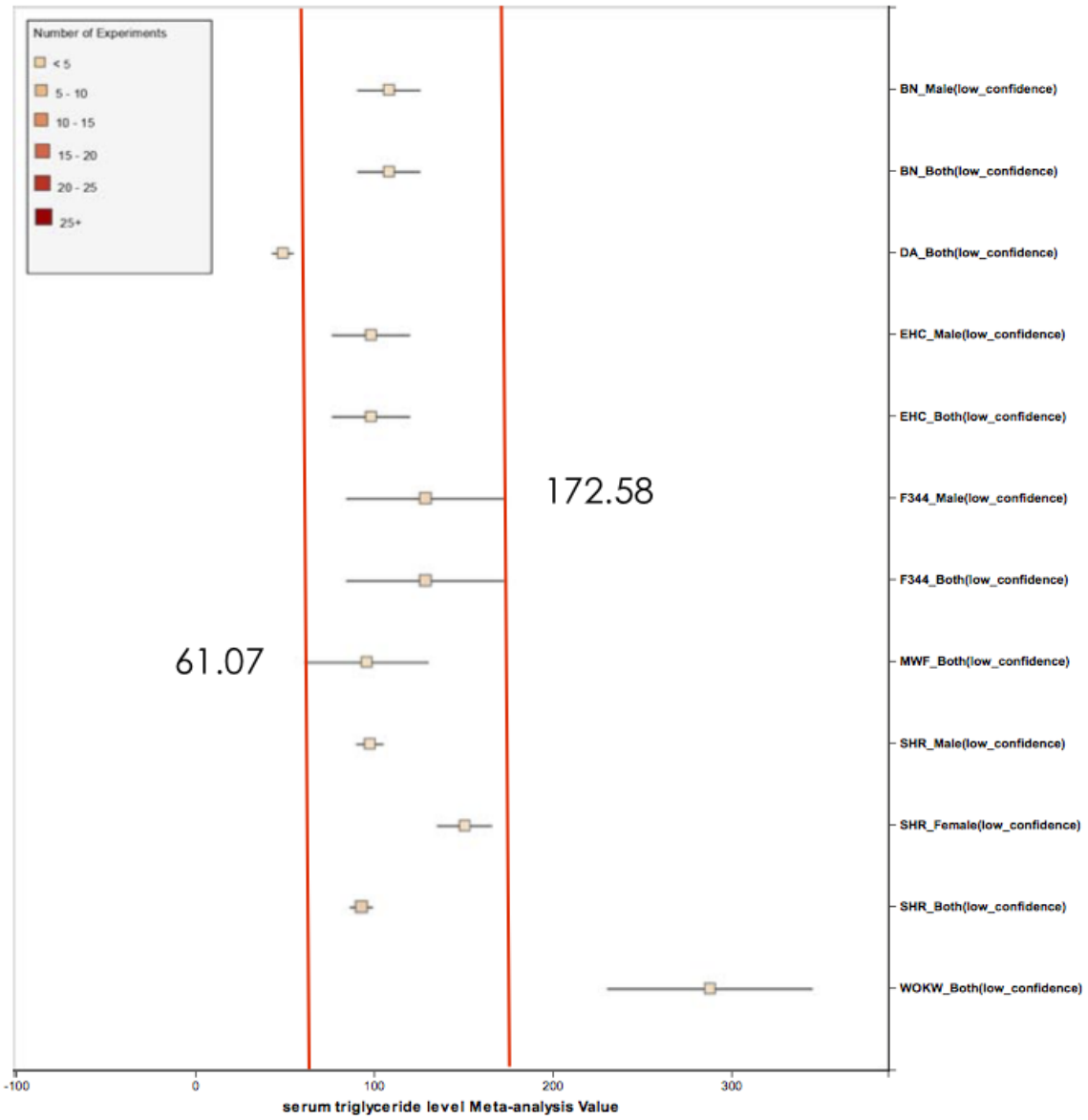


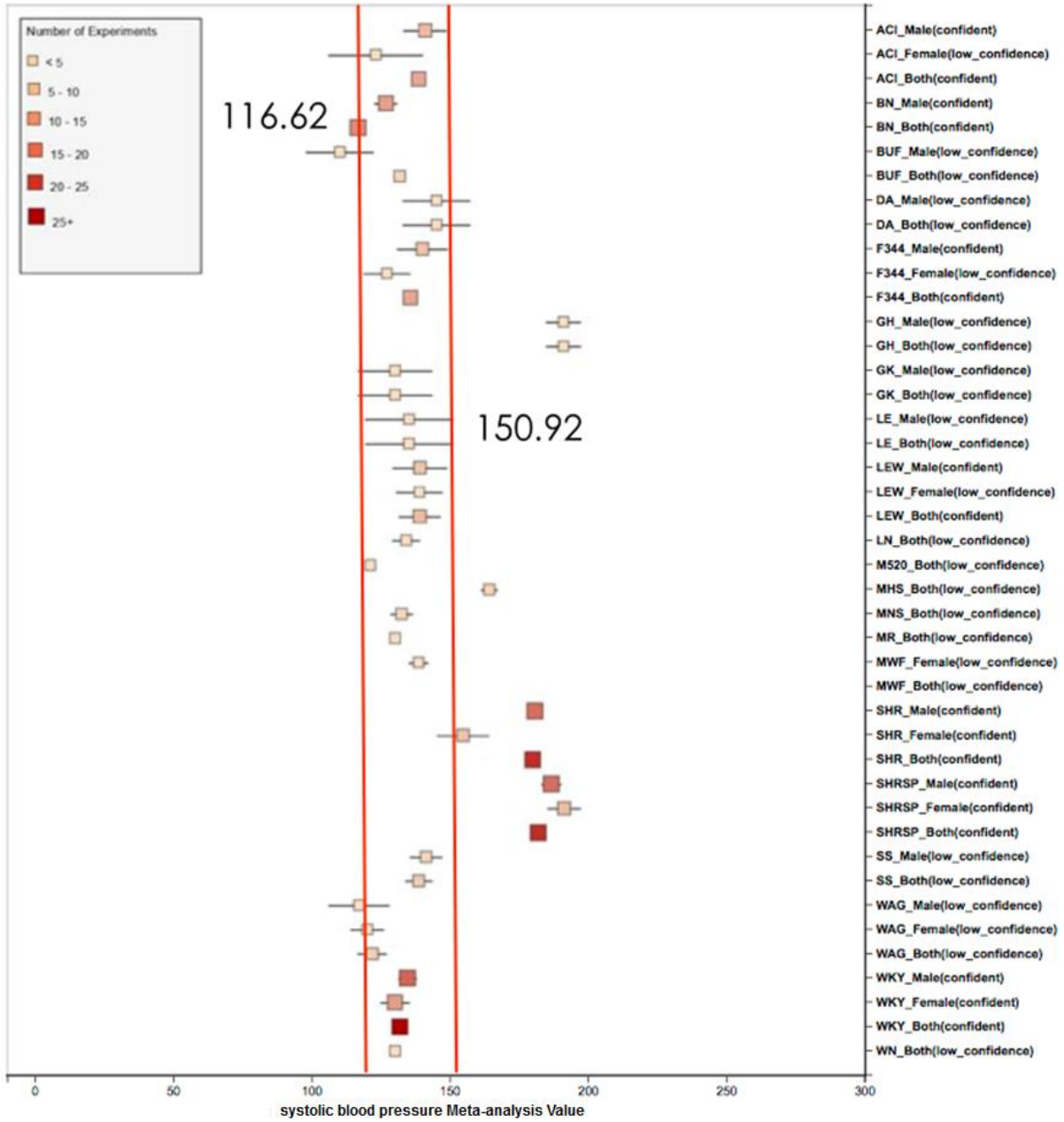












SUPPLEMENTARY INFORMATION II: SUMMARY OF ABNORMAL AND NORMAL STRAINS FOR 24 CARDIOVASCULAR PHENOTYPES

Phenotype	Abnormal	Normal	Naïve Control
blood hemoglobin level		all	
diastolic blood pressure	GH, LH, SHR, SHRSP	BN, HTG, LEW, MHS, WKY	BN, WKY
heart left ventricle weight to body weight ratio	SHR	COP, DA, DRY, F344, LEW, WKY	WKY
heart left ventricle wet weight	GH	BN, COP, DA, DRY, F344, LEW, SHR, WKY	BN, WKY
heart rate	ACI, DA, GK	BN, BUF, F344, FHH, GH, LE, LEW, SHR, SHRSP, SS, WAG, WKY	BN, WKY
heart right ventricle weight to left ventricle weight ratio	F344, FHH, GH	LE, LEW, SHR, SS, WKY	WKY
heart right ventricle wet weight		F344, WKY	WKY
heart weight as percentage of body weight	FHH, SHR, SHRSP	ACI, BN, BUF, COP, DA, F344, GK, LE, LEW, SS, WAG, WKY	BN, WKY
heart weight to body weight ratio	SHRSP	ACI, BN, BUF, COP, DA, F344, ISIAH, M520, MWF, SHR, WAG, WKY, WN	BN, WKY
heart wet weight	BUF, FHH, GH, SS	ACI, BN, COP, DA, F344, LE, LEW, MWK, WAG, WKY	BN, WKY
hematocrit		all	
mean arterial blood pressure	GH, SHR, SHRSP	BN, LE, LEW, SS, WKY	BN, WKY
mean corpuscular volume		all	
plasma total cholesterol level		HTG, LEW	
plasma triglyceride level		COP, HTG, LEW	
red blood cell count		all	
serum aspartate aminotransferase activity level	SHR	BN, F344, FHH, GH, LE, LEW, SS, WKY	BN, WKY

serum calcium level	F344, GH, LE	BN, FHH, LEW, SHR, SS, WKY	BN, WKY
serum chloride level		all	
serum free fatty acids level		F344	
serum potassium level		all	
serum total cholesterol level	GH, MWF, SHRSP	BN, DA, EHC, F344, FHH, GH, LEW, SHR, SS, WKY, WOKW	BN, WKY
serum triglyceride level	DA, WOKW	BN, EHC, F344, MWF, SHR	BN
systolic blood pressure	GH, LH, MHS, SHR, SHRSP	ACI, BN, BUF, DA, F344, GK, LE, LEW, LN, M520, MNS, MR, MWF, WKY	BN, WKY

* ACI = August Copenhagen Irish, BN= Brown Norway, BUF= Buffalo, DA = Dark Agouti, F344 = Fischer 344, FHH = Fawn Hooded Hypertensive, GK = Goto Kakizaki, GH = Genetically Hypertensive, LH = Lyon Hypertensive, LEW = Lewis, SS = Dahl Salt-Sensitive, SHR = Spontaneously Hypertensive Rat, SHRSP = Spontaneously Hypertensive Rat, Stroke Prone, WKY = Wistar Kyoto

SUPPLEMENTARY INFORMATION III: AGREEMENTS BETWEEN META-ANALYSIS RESULTS AND DOMAIN EXPERT EMPIRICAL KNOWLEDGE

Phenotype	Agreement	Disagreement
blood hemoglobin level	31	0
diastolic blood pressure	23	0
heart left ventricle weight to body weight ratio	13	0
heart left ventricle wet weight	15	2
heart rate	41	1
heart right ventricle weight to left ventricle weight ratio	24	3
heart right ventricle wet weight	2	0
heart weight as percentage of body weight	36	3
heart weight to body weight ratio	20	0
heart wet weight	44	1
hematocrit	33	0
mean arterial blood pressure	30	0
mean corpuscular volume	31	0
plasma total cholesterol level	5	0
plasma triglyceride level	7	0
red blood cell count	27	0
serum aspartate aminotransferase activity level	27	0
serum calcium level	27	0
serum chloride level	27	0
serum free fatty acids level	2	0
serum potassium level	27	0
serum total cholesterol level	35	0
serum triglyceride level	12	0
systolic blood pressure	27	1