Supporting Information – Checklists phase 1 and 2.

	Rs Survey of Experimental design and reporting						
	lity of Reporting Checklist (Phase 1) er Number: Assessor:		1	Date:			
(1)	Is the purpose of the study stated in the introduction?			Date.	No	Yes	??
(2)	Number of experiments	1	2	3	4	>4	??
(3)	Sex	'			'	'	•••
(0)	(a) Is sex reported?				No	Yes	??
	(b) Sex			М	F	Both	??
(4)	Strains (rodents) and species (primates)			IVI	'	Dotti	
(+)	/ \				No	Yes	??
					1	>1	??
(5)	(b) Number of strains or species reported? Age and Weight				!	>1	11
(5)	() . 1				No	Yes	??
					No	Yes	??
(e)	(b) Is weight recorded (rodents)?				INO	162	
(6)	Experimental design						??
	(a) Number of design factors						??
	(b) Number of other (non-design) factors						
	(c) Number of treatment (design) groups				NI-	V	??
(7)	(d) Is a factorial design used?				No	Yes	??
(7)	Type of treatment or procedure (state)						??
(8)	Type of experiment					T ,, I	
	(a) Between subject				No	Yes	??
	(b) Within subject				No	Yes	??
(9)	Animal number records (methods section)				Exact	Estimate	??
	(a) Total number of animals (methods section)				1		??
(10)	Animal number records (results section)				Exact	Estimate	??
	(a) Total number of animals (results section)				1		??
(11)	Is randomisation stated as used?				No	Yes	??
(12)	Are measurements taken blind?				No	Yes	??
(13)	Numerical data presented?				No	Yes	??
(14)	No. of dependent variables (outcomes)		_	_	_	1	
	(a) Qualitative	0	1	2	3	>3	??
	(b) Quantitative	0	1	2	3	>3	??
(15)	Statistical methods						
	(a) Reported in materials and methods section				No	Yes	??
	(b) Reported in results section				No	Yes	??
(16)	Method of statistical analysis						
	(a) None				No	Yes	??
	(b) Chi-squared / Fisher's exact test				No	Yes	??
	(c) T-test				No	Yes	??
	(d) Mann-Whitney / Wilcoxon				No	Yes	??
	(e) ANOVA				No	Yes	??
	(f) Correlation				No	Yes	??
	(g) Regression				No	Yes	??
	(h) Other/s (state)				No	Yes	??
	(i) Unknown / Uncertain				No	Yes	??
	Primary outcomes presented with		SD	SEM	CI	None	??
(17)							

	Rs Survey of Experimental Design a lity of Analysis and Design Checklis			g									
		ssess						Date:					
(1)	Are there clearly stated hypotheses?		-				1		ı	No	Yes		??
(2)	Is the main experiment clearly disting	uished	<u></u>						ı	No	Yes		??
(3)	Design methods												
	(a) Is the randomisation method stat	ted?								No	Yes		??
	(b) Is blocking used?									No	Yes		??
(4)	Is the experimental unit correctly iden	tified?	1							No	Yes		??
(5)	Is there evidence of pseudoreplication										??		
(6)	Sample size									·			
	(a) Is the sample size justified in the	metho	ods sec	tion?					ı	No	Yes		??
	(b) Are there equal numbers per trea	atment	group	?					ı	No	Yes		??
	(c) If not is this justified?								I	No			??
(7)	Sizes of treatment groups												
	(a) Number of animals per treatment	t group	o (meth	ods se	ction)								??
										??			
(8)													
	(a) Are data omitted?									No	Yes		??
	(b) Are data not collected?									No	Yes		??
	(c) Are omissions and data not colle	cted e	xplaine	d?					I	No	Yes		??
(9)	Are numbers of units stated in all figu	res an	d table	s?						No	Yes		??
(10)	Subjective scores												
	(a) Are subjective scores used (histo	ology)?	?							No	Yes		??
	(b) If so are they done blind?	olind?						I	No Yes			??	
(11)	Are inferential methods used?								I	No	Yes		??
(12)	Statistical methods												
		Correct? Robust? Effic					fficien	icient?		Releva	evant?		
		No	Yes	??	No	Yes	??	No	Yes	??	No	Yes	??
(a)	None												
(b)	Chi-squared / Fisher's exact test												
(c)	T-test												
(d)	Mann-Whitney / Wilcoxon												
(e)	ANOVA												
(f)	Correlation												
(g)	Regression												
(h)	Other/s (state)												
(i)	Unknown / Uncertain												
(13)	Data transformation											-	
	(a) Is there evidence for heterogene	ity of v	ariance	e?						No	Yes		??
	(b) If so were data transformed or no	on-para	ametric	metho	d used	d?			ı	No	Yes	i	??
(14)	1) Number of degrees of freedom for residual?								1		??		
(15)	•	lation?	descr (descr	ibe)					I	No	Yes		??
(16)	Graphs and tables											ı	
	(a) Are graphs and tables clearly title								-	No	Yes		??
	(b) Are graphs and tables clearly labelled?(c) Are graphs appropriate (would tables be better)?							No	Yes		??		
								No	Yes		??		
	(d) Are tables appropriate (would graphs be better)?							No	Yes		??		
(e) Are graphs or tables showing raw data for individual animals given? No Yes								??					

(17) Is the number of treatment groups appropriate?	No	Yes	??
(18) Is the experimental design appropriate and does it efficiently use the resources available?	No	Yes	??
(19) Are the conclusions drawn justified by results?	No	Yes	??
(20) Would a different analysis make any difference to the conclusions?	No	Yes	??

(21) Other comments: