

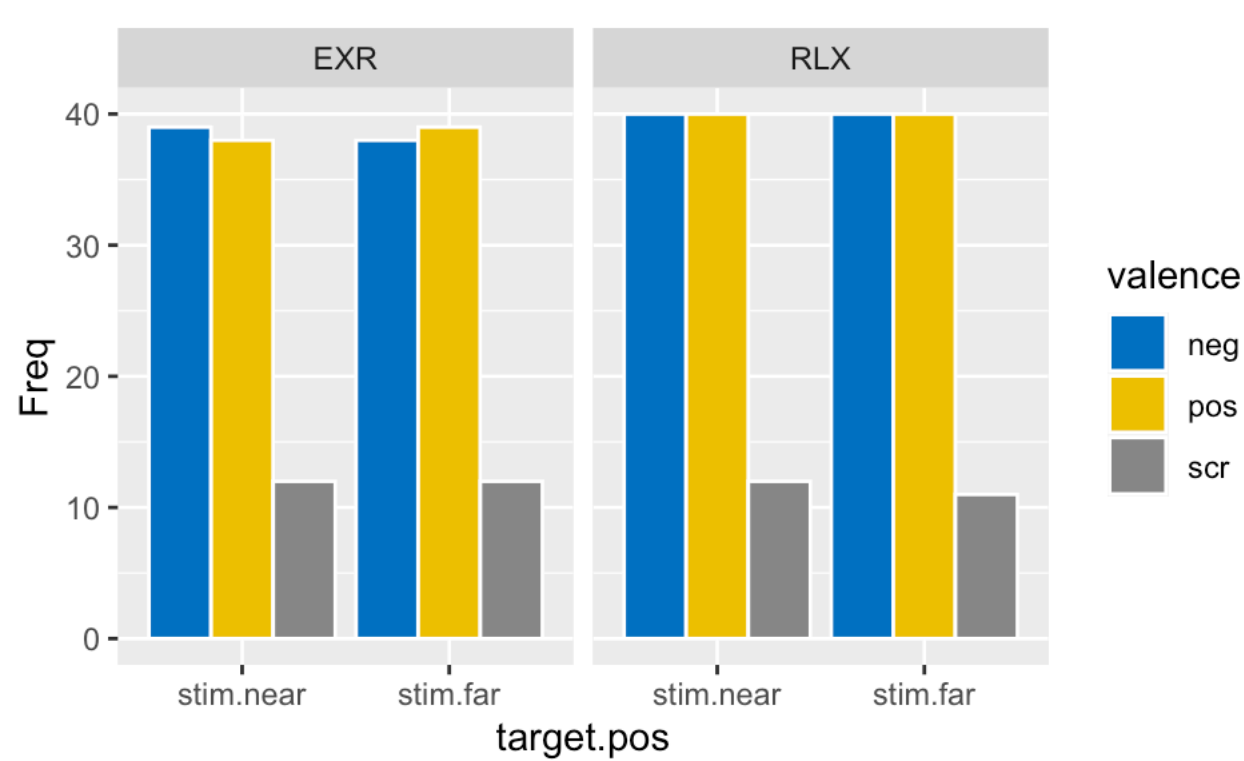
EXP3 pilot, version 3 (invested effort)

Subject 14

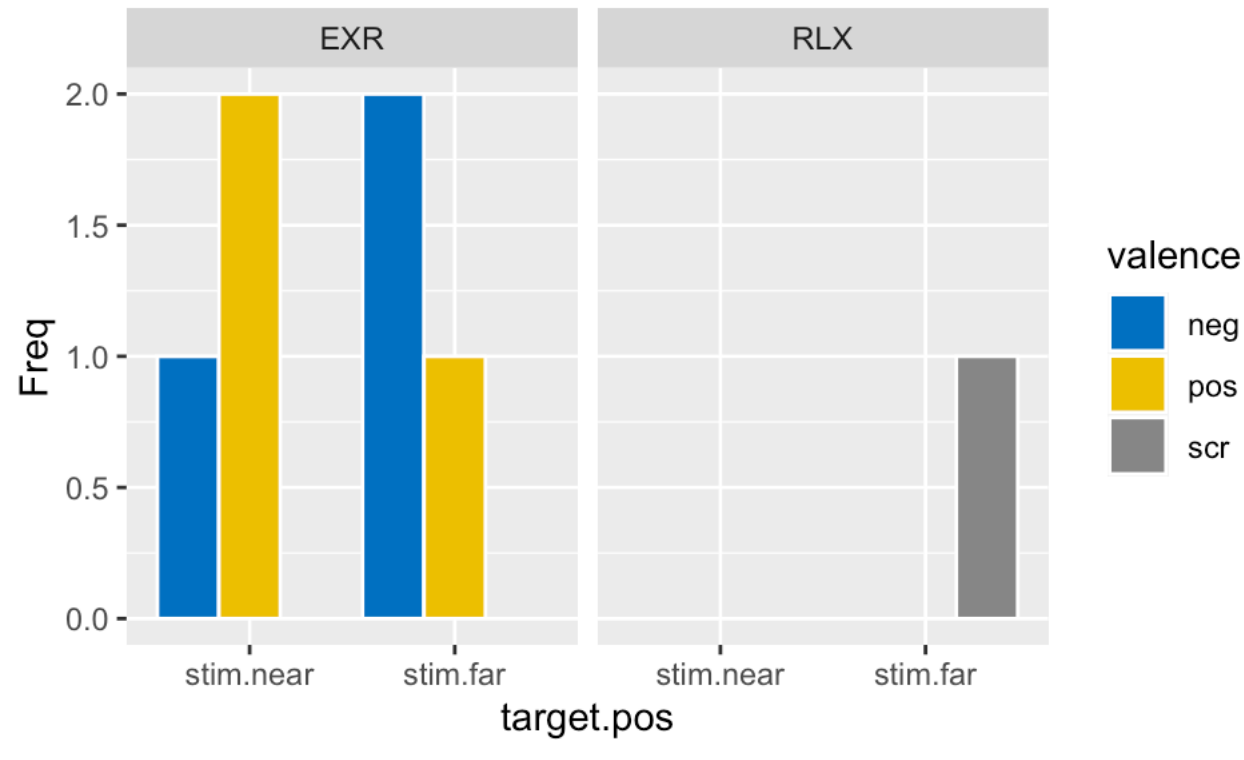
Abbreviations:

- *neg*, *pos*, *scr*: negative, positive, and scrambled faces, respectively
- *stim.near*, *stim.far*: position of the target (red ball) with respect to the face stimulus (*stim.near* = near the face stimulus)
- *EXR*, *RLX*: level of invested effort (EXR=max, RLX=min)

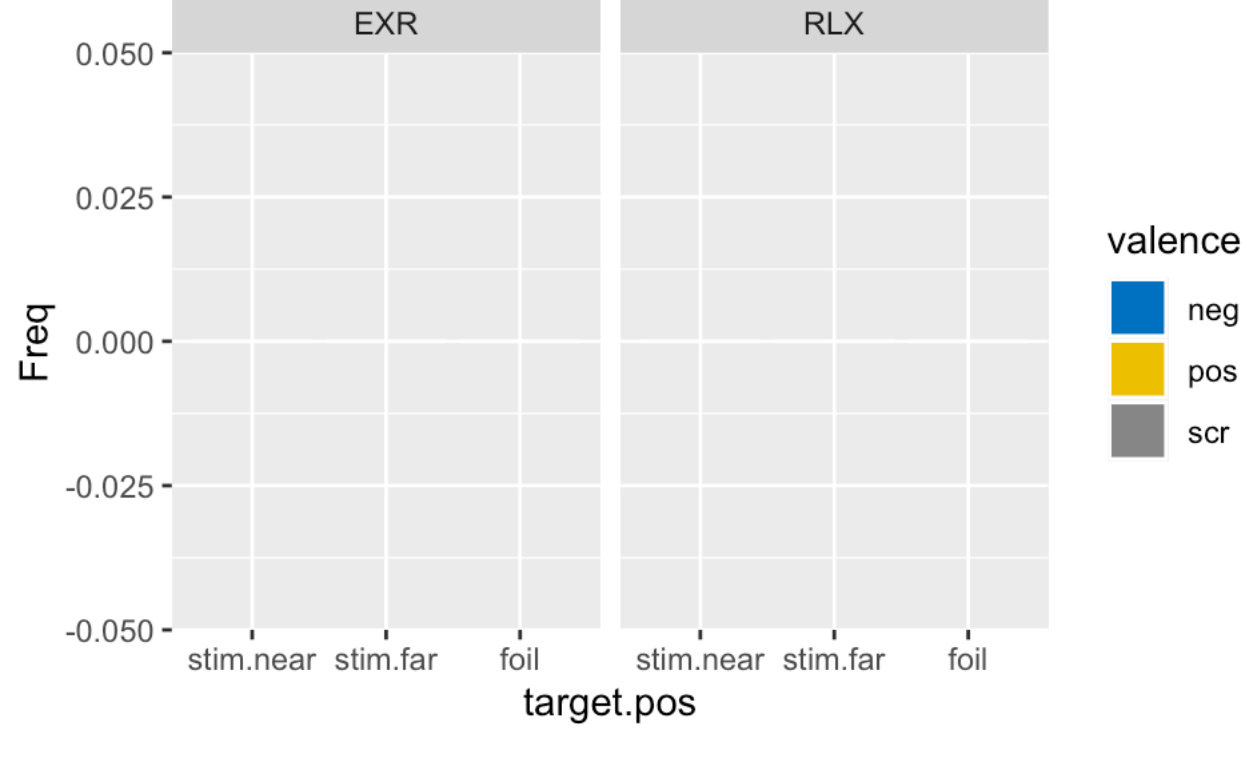
Number of correct responses



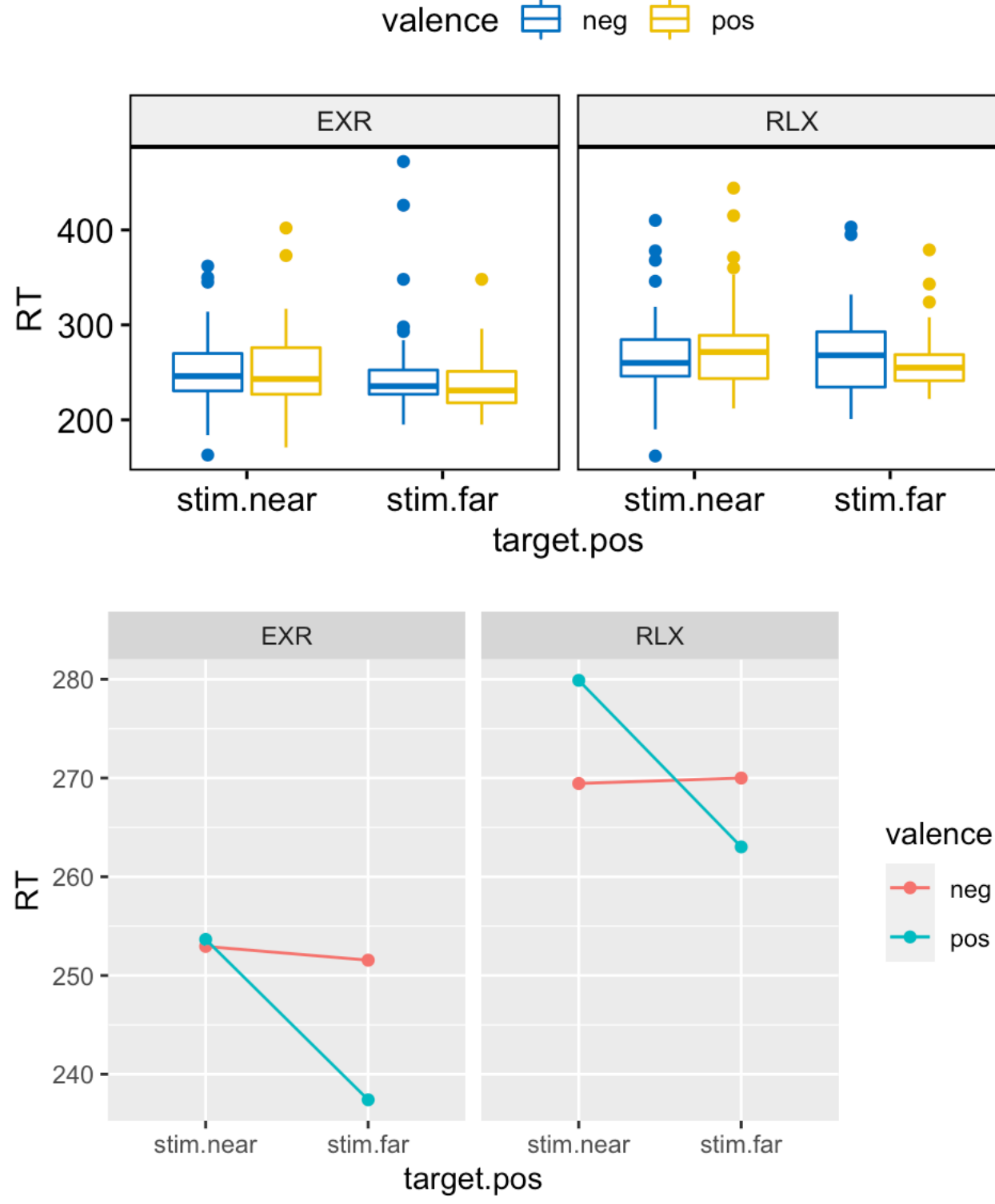
Number of errors of omission



Number of errors of commission



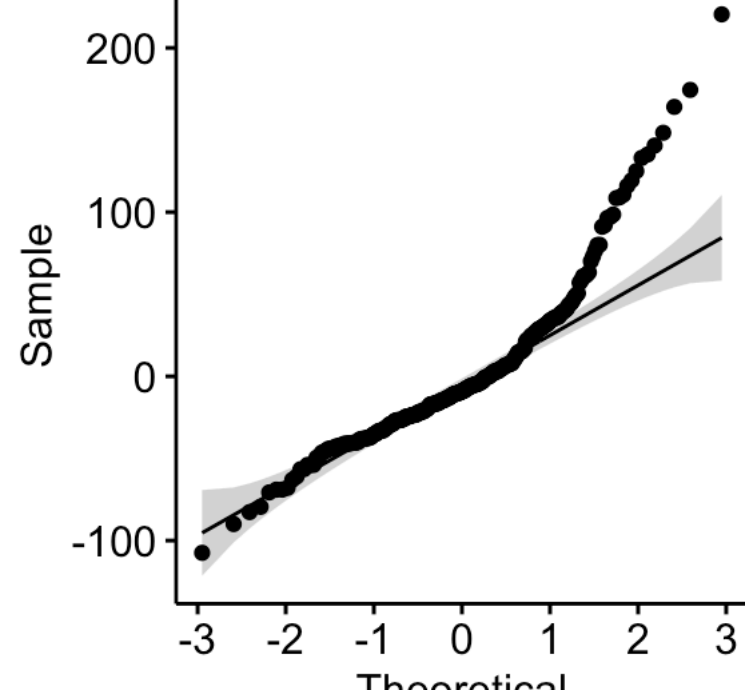
Response times (correct trials only)



Outliers

	valence	effort	target.pos	block	run	RT	is.outlier	is.extreme
1	neg	EXR	stim.near	7	1	350	TRUE	FALSE
2	neg	EXR	stim.near	6	1	345	TRUE	FALSE
3	neg	EXR	stim.near	7	1	362	TRUE	FALSE
4	neg	EXR	stim.near	7	1	163	TRUE	FALSE
5	pos	EXR	stim.near	7	1	373	TRUE	FALSE
6	pos	EXR	stim.near	5	1	402	TRUE	FALSE
7	neg	EXR	stim.far	1	1	348	TRUE	TRUE
8	neg	EXR	stim.far	3	1	426	TRUE	TRUE
9	neg	EXR	stim.far	2	1	293	TRUE	FALSE
10	neg	EXR	stim.far	4	1	472	TRUE	TRUE
11	neg	EXR	stim.far	8	1	298	TRUE	FALSE
12	pos	EXR	stim.far	4	1	348	TRUE	FALSE
13	neg	RLX	stim.near	6	1	410	TRUE	TRUE
14	neg	RLX	stim.near	8	1	346	TRUE	FALSE
15	neg	RLX	stim.near	3	1	378	TRUE	FALSE
16	neg	RLX	stim.near	2	1	368	TRUE	FALSE
17	neg	RLX	stim.near	2	1	162	TRUE	FALSE
18	pos	RLX	stim.near	3	1	360	TRUE	FALSE
19	pos	RLX	stim.near	4	1	371	TRUE	FALSE
20	pos	RLX	stim.near	4	1	444	TRUE	TRUE
21	pos	RLX	stim.near	6	1	415	TRUE	FALSE
22	neg	RLX	stim.far	3	1	403	TRUE	FALSE
23	neg	RLX	stim.far	6	1	395	TRUE	FALSE
24	pos	RLX	stim.far	5	1	343	TRUE	FALSE
25	pos	RLX	stim.far	5	1	379	TRUE	TRUE
26	pos	RLX	stim.far	6	1	324	TRUE	FALSE

Normality check (Shapiro-Wilk)

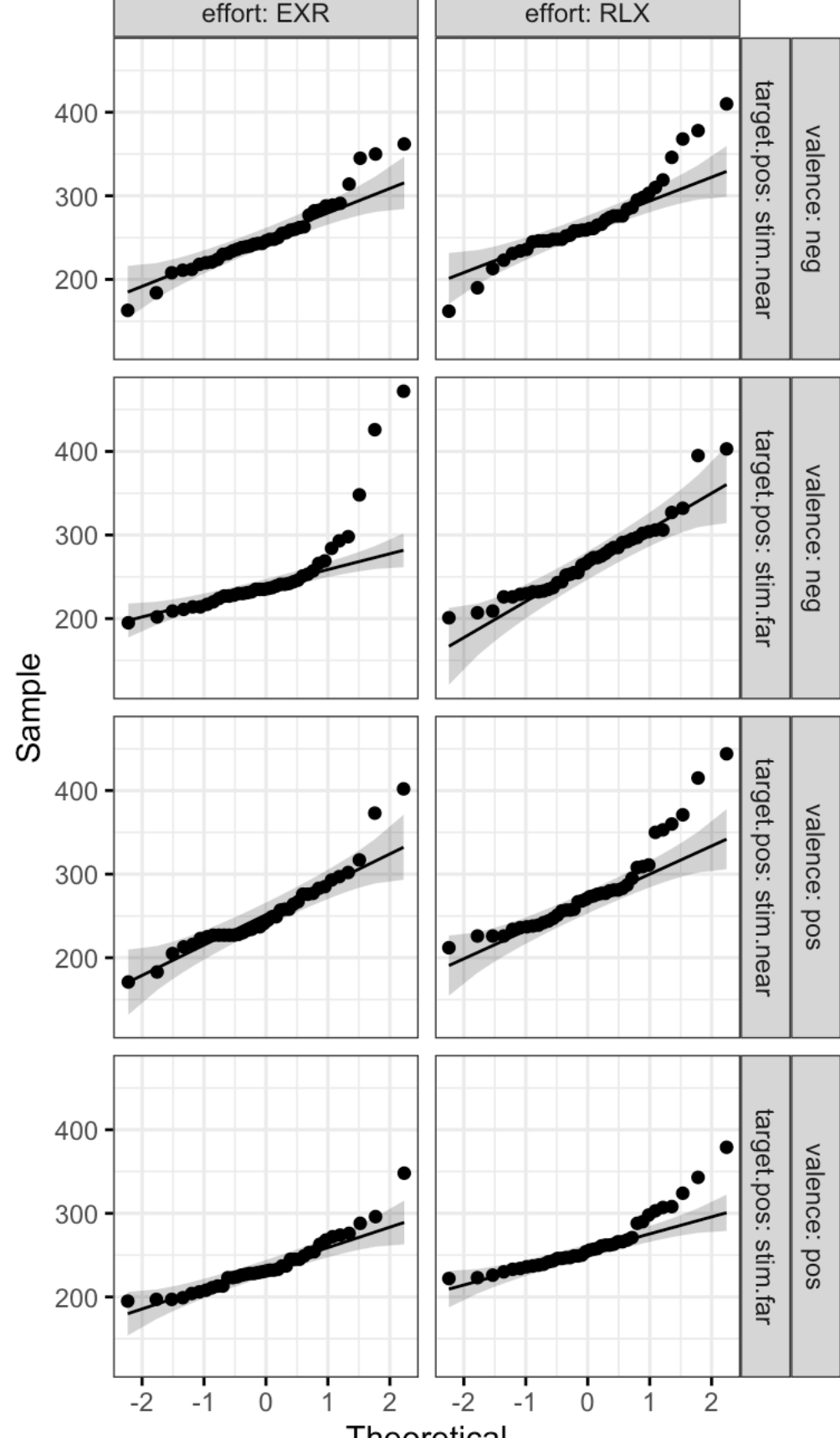


variable	statistic	p.value
residuals(rt_lm)	0.8858384	0

Cell-wise normality check (Shapiro-Wilk)

valence	effort	target.pos	variable	statistic	p
neg	EXR	stim.near	RT	0.9400860	0.0383065
pos	EXR	stim.near	RT	0.9011961	0.0027554
neg	EXR	stim.far	RT	0.6768770	0.0000001
pos	EXR	stim.far	RT	0.9079001	0.0037461
neg	RLX	stim.near	RT	0.9184441	0.0068829
pos	RLX	stim.near	RT	0.8606659	0.0001651
neg	RLX	stim.far	RT	0.9216560	0.0086854
pos	RLX	stim.far	RT	0.8614932	0.0001732

Cell-wise QQplot for each cell



Homogeneity of variance

df1	df2	statistic	p
7	306	0.7540378	0.6263397

ANOVA on RTs

Effect	DFn	DFd	F	p	p<.05	ges
valence	1	306	0.231	0.631		0.000755
target.pos	1	306	2.871	0.091		0.009
effort	1	306	18.76	2.01e-05	*	0.058
valence:target.pos	1	306	2.604	0.108		0.008
valence:effort	1	306	0.712	0.399		0.002
target.pos:effort	1	306	0.004	0.948		1.42e-05
valence:target.pos:effort	1	306	0.016	0.898		5.39e-05

valence	effort	target.pos	variable	n	mean	ci
neg	EXR	stim.near	RT	39	252.9	13.43
pos	EXR	stim.near	RT	38	253.7	14.82
neg	EXR	stim.far	RT	38	251.6	18.25
pos	EXR	stim.far	RT	39	237.4	10.16
neg	RLX	stim.near	RT	40	269.4	15.05
pos	RLX	stim.near	RT	40	279.9	16.43
neg	RLX	stim.far	RT	40	270	14.2
pos	RLX	stim.far	RT	40	263	10.81