

Supplementary Material S2
Reports of statistical analyses

BLOCK 1

One-way ANOVA	Control items Baseline questionnaire	$F(4,45) = 0.36$	$p = 0.84$
One-way ANOVA	Control items Embodiment questionnaire	$F(4,45) = 0.51$	$p = 0.73$
One-way ANOVA	BO-Task Embodiment questionnaire	$F(4,45) = 1.27$	$p = 0.30$
Correlation	GSR-mean and BO-Task	$r(46) = -0.22$	$p = 0.13$
Correlation	GSR-peak and BO-Task	$r(46) = -0.25$	$p = 0.08$
One-way ANOVA	Reaction time Baseline	$F(4,45) = 0.71$	$p = 0.59$
One-way ANOVA	False positives in Task 1	$F(4,45) = 1.03$	$p = 0.40$
One-way ANOVA	False negatives in Task 1	$F(4,45) = 2.03$	$p = 0.11$
Two-way ANOVA	Reaction times Task 1 Main effect Trial	$F(4,45) = 1.16$	$p = 0.32$
Correlation	Reaction times and BO-Task	$r(48) = -0.16$	$p = 0.26$

BLOCK 2

One-way ANOVA	Body ownership Baseline questionnaire	$F(4,45) = 0.57$	$p = 0.69$
One-way ANOVA	Control items Baseline questionnaire	$F(4,45) = 1.51$	$p = 0.22$
One-way ANOVA	BO-Task Embodiment questionnaire	$F(4,45) = 0.73$	$p = 0.58$
One-way ANOVA	BO-Diff	$F(4,45) = 1.59$	$p = 0.19$
One-way ANOVA	Agency Embodiment questionnaire	$F(4,45) = 0.84$	$p = 0.51$
Correlation	GSR-mean and BO-Task	$r(47) = -0.10$	$p = 0.48$
Correlation	GSR-peak and BO-Task	$r(47) = -0.07$	$p = 0.72$

Two-way ANOVA	Completion time Task 2		
	Main effect Trial	$F(2,90) = 0.54$	$p = 0.54$
	Interaction (Condition x Trial)	$F(8,90) = 0.50$	$p = 0.80$
Two-way ANOVA	Accuracy Task 2		
	Main effect Condition	$F(4,45) = 0.25$	$p = 0.91$
	Interaction (Condition x Trial)	$F(8,90) = 1.26$	$p = 0.28$

ACROSS TASKS

Two-way ANOVA	BO-Baseline		
	Main effect Condition	$F(4,45) = 1.76$	$p = 0.15$
	Interaction (Condition x Block)	$F(8,90) = 2.25$	$p = 0.08$
Two-way ANOVA	BO-Task		
	Main effect Condition	$F(4,45) = 0.91$	$p = 0.47$
	Interaction (Condition x Block)	$F(8,90) = 1.91$	$p = 0.13$
Correlation	Reaction times Task 1 and accuracy Task 2	$r(48) = 0.09$	$p = 0.52$