

Figure	Factor name	F value	P value	Statistical test
Figure 1B	Session Nose-pokes Interaction	$F_{9,928} = 12.02$ $F_{1,104} = 55.39$ $F_{9,928} = 1.572$	*p<0,0001 *p<0.0001 p=0.1189	Mixed effect analysis
Figure 1C	Session Nose-pokes Interaction	$F_{9,357} = 8.239$ $F_{1,40} = 0.007687$ $F_{9,357} = 0,2847$	*p= 0.0010 p= 0.9306 p= 0.9787	Mixed effect analysis
Figure 1D	Session	$F_{9,41} = 2.692$	*p=0.0365	RM One-way ANOVA
Figure 1E	Withdrawal day		*p=0.0312	Wilcoxon test
Figure 2B	Withdrawal day Drug Interaction	$F_{1,25} = 13.25$ $F_{1,25} = 0.1987$ $F_{1,25} = 14.88$	*p=0.0012 p=0.6596 *p=0.007	Two-way ANOVA
Figure 2C	Withdrawal day) Drug Interaction	$F_{1,215} = 0.111$ $F_{1,215} = 5.983e-030$ $F_{1,215} = 0.9939$	p= 0.7393 p>0 .9999 p= 0.3199	Two-way ANOVA
Figure 2D	Withdrawal day Drug Interaction	$F_{1,215} = 0.1146$ $F_{1,215} = 5.561$ $F_{1,215} = 0.05059$	p= 0.7353 *p= 0.0193 p= 0.8223	Two-way ANOVA
Figure 3D, top	Withdrawal day Drug Interaction	$F_{1,153} = 3.048$ $F_{1,153} = 3.313$ $F_{1,153} = 4.691$	p=0.0828 p=0.0707 *p= 0.0319	Two-way ANOVA
Figure 3D, bottom	Withdrawal day Drug Interaction	$F_{1,153} = 0.06625$ $F_{1,153} = 2.033$ $F_{1,153} = 8.296$	p=0.7972 p=0.156 *p= 0.0045	Two-way ANOVA
Figure 4C left	infusion		*p=0.0012	Mann-Whitney test
Figure 4C center	infusion		p= 0.3473	Unpaired t test
Figure 4C right	infusion		p= 0.2132	Unpaired t test
Figure 5C left	infusion		*p=0.0159	Mann-Whitney test
Figure 5C center	infusion		p= 0.6488	Unpaired t test
Figure 5C right	infusion		p= 0.4814	Mann-Whitney test

Supplementary table 1. Statistical analysis (GraphPad Prism)