

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
			RMANOVA	Time x Drug	2.17	92,644	0.0064	**	
				Time	40.41	23,644	<0.0001	****	
				Drug	3.511	4,28	0.2929	ns	
			Šidák's multiple comparisons test (ZT 0)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
			Šidák's multiple comparisons test (ZT 1)	Ctrl: Sal vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Šidák's multiple comparisons test (ZT 2)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.999	
			Ctrl: Sal vs. Ctrl: K30		-	-	>0.999	ns	
			Ctrl: Sal vs. Ctrl: P3		-	-	>0.999	ns	
			Ctrl: Sal vs. Ctrl: K10 + P3		-	-	>0.999	ns	
			Ctrl: K10 vs. Ctrl: K30		-	-	>0.999	ns	
			Ctrl: K10 vs. Ctrl: P3		-	-	>0.999	ns	
			Ctrl: K10 vs. Ctrl: K10 + P3		-	-	>0.999	ns	
			Ctrl: K30 vs. Ctrl: P3		-	-	>0.999	ns	
			Ctrl: K30 vs. Ctrl: K10 + P3		-	-	>0.999	ns	
			Ctrl: P3 vs. Ctrl: K10 + P3		-	-	>0.999	ns	
			Šidák's multiple comparisons test (ZT 3)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
			Šidák's multiple comparisons test (ZT 4)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
			Šidák's multiple comparisons test (ZT 5)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
			Šidák's multiple comparisons test (ZT 6)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
			Šidák's multiple comparisons test (ZT 7)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
			Šidák's multiple comparisons test (ZT 8)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.999	ns	

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Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
		Activity (Ctrl)	comparisons test (ZT 8)	Ctrl: K10 vs. Ctrl: P3	-	-	>0.999	ns	1B
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
			Šidák's multiple comparisons test (ZT 9)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
			Šidák's multiple comparisons test (ZT 10)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
			Šidák's multiple comparisons test (ZT 11)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.999	ns	
			Šidák's multiple comparisons test (ZT 12)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	0.6014	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 13)	Ctrl: K30 vs. Ctrl: K10 + P3	-	-	0.9188	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	0.4124	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 14)	Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	0.5011	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 15)	Ctrl: K10 vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	0.6268	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 16)	Ctrl: K10 vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.9999	ns	

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Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
			Šidák's multiple comparisons test (ZT 17)	Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 18)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	0.9796	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	0.9998	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 19)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	0.9998	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 20)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	0.9650	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 21)	Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	0.8660	ns	
			Šidák's multiple comparisons test (ZT 22)	Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 23)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	0.9801	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	0.9610	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 0)	Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 1)	Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.9999	ns	
			RMANOVA	Time x Drug	2.17	92,575	<0.0001	****	
				Time	40.41	23,575	<0.0001	****	
				Drug	3.511	4,25	0.0209	*	
			Šidák's multiple comparisons test (ZT 0)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 1)	AD: K10 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 1)	AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	

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Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
Single, Male	Sleep			AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 2)	AD: Sal vs.AD: K10	-	-	>0.9999	ns	
				AD: Sal vs.. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs.AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD K10 + P3	-	-	>0.9999	ns	
				AD: K30 vs. AD P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 3)	AD: Sal vs.AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs.AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD K10 + P3	-	-	>0.9999	ns	
				AD: K30 vs. AD P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 4)	AD: Sal vs.AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD K10 + P3	-	-	>0.9999	ns	
				AD: K30 vs. AD P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 5)	AD: Sal vs.AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs.AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD K10 + P3	-	-	>0.9999	ns	
				AD: K30 vs. AD P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 6)	AD: Sal vs.AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs.AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD K10 + P3	-	-	>0.9999	ns	
				AD: K30 vs. AD P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 7)	AD: Sal vs.AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD K10 + P3	-	-	>0.9999	ns	
				AD: K30 vs. AD P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: Sal vs.AD: K10	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 8)	AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs.AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD K10 + P3	-	-	>0.9999	ns	
				AD: K30 vs. AD P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
AD: P3 vs. AD: K10 + P3	-	-		>0.9999	ns				
AD: Sal vs.AD: K10	-	-		>0.9999	ns				
Šidák's multiple comparisons test (ZT 9)	AD: Sal vs. AD: K30	-	-	>0.9999	ns				
	AD: Sal vs. AD: P3	-	-	>0.9999	ns				
	AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns				
	AD: K10 vs. AD: K30	-	-	>0.9999	ns				
	AD: K10 vs.AD: P3	-	-	>0.9999	ns				
	AD: K10 vs. AD K10 + P3	-	-	>0.9999	ns				
	AD: K30 vs. AD P3	-	-	>0.9999	ns				
	AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns				
	AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns				
	AD: Sal vs.AD: K10	-	-	>0.9999	ns				
Šidák's multiple comparisons test (ZT 10)	AD: Sal vs. AD: K30	-	-	>0.9999	ns				
	AD: Sal vs. AD: P3	-	-	>0.9999	ns				
	AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns				
	AD: K10 vs. AD: K30	-	-	>0.9999	ns				
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
		Activity (AD)	Šídák's multiple comparisons test (ZT 10)	AD: K10 vs. AD: K10 + P3	-	-	>0.9999	ns	1C
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 11)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 12)	AD: Sal vs. AD: K10	-	-	0.3510	ns	
				AD: Sal vs. AD: K30	-	-	0.0265	*	
				AD: Sal vs. AD: P3	-	-	0.0062	**	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	0.0930	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	0.0050	**	
				AD: P3 vs. AD: K10 + P3	-	-	0.0010	**	
			Šídák's multiple comparisons test (ZT 13)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.7649	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	0.1200	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	0.7064	ns	
				AD: P3 vs. AD: K10 + P3	-	-	0.0344	*	
			Šídák's multiple comparisons test (ZT 14)	AD: Sal vs. AD: K10	-	-	0.9050	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	0.0330	*	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	0.4998	ns	
			Šídák's multiple comparisons test (ZT 15)	AD: Sal vs. AD: K10	-	-	0.4944	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	0.3243	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 16)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	0.6087	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 17)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	0.5080	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 18)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	0.3966	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	0.1490	ns	
			Šídák's multiple comparisons test (ZT 19)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
			Šidák's multiple comparisons test (ZT 19)	AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	0.1083	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 20)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	0.8376	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	0.8894	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 21)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	0.5638	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 22)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
			Šidák's multiple comparisons test (ZT 23)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	0.7147	ns	
				AD: P3 vs. AD: K10 + P3	-	-	>0.9999	ns	
		Sleep (%)	Two-way ANOVA	Genotype x Drug	2.121	4,57	0.0899	ns	1D
				Genotype	0.9455	4,57	0.4445	ns	
		Sleep Amplitude	Two-way ANOVA	Drug	0.966	1,57	0.3298	ns	1E
				Genotype x Drug	0.9721	4,57	0.4300	ns	
			Bonferroni's multiple comparisons test	Genotype	0.0114	1,57	0.9153	ns	
				Drug	3.0450	4,57	0.0241	*	
				Ctrl: Sal vs. Ctrl: K10	-	-	0.9786	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	0.5314	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: K30 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.7340	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K30	-	-	>0.9999	ns	
				AD: K10 vs. AD: P3	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P3	-	-	0.2311	ns	
				AD: K30 vs. AD: P3	-	-	>0.9999	ns	
				AD: K30 vs. AD: K10 + P3	-	-	0.3196	ns	
				AD: P3 vs. AD: K10 + P3	-	-	0.0990	ns	
		Sleep in Light Phase (%)	Two-way ANOVA	Genotype x Drug	4.185	4,57	0.0049	**	1F
				Genotype	3.257	4,57	0.0178	*	
				Drug	6.599	1,57	0.0128	*	
			Bonferroni's multiple comparisons test	Ctrl: Sal vs. AD: Sal	-	-	0.7379	ns	
				Ctrl: K10 vs. AD: K10	-	-	0.0001	***	
				Ctrl: K30 vs. AD: K30	-	-	0.2631	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.8077	ns	
				Ctrl: K10 + P3 vs. AD: K10 + P3	-	-	0.0312	*	
				Ctrl: Sal vs. Ctrl: K10	-	-	0.7016	ns	
				Ctrl: Sal vs. Ctrl: K30	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 + P3	-	-	0.0784	ns	
				AD: Sal vs. AD: K10	-	-	0.0365	*	
				AD: Sal vs. AD: K30	-	-	0.4765	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P3	-	-	>0.9999	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
Male	NSF	Sleep in Dark Phase (%)	Two-way ANOVA	Genotype x Drug	0.541	4,57	0.2026	ns	1G
				Genotype	0.9807	4,57	0.4254	ns	
				Drug	0.01586	1,57	0.9002	ns	
	NSF	Latency to feed in OF (sec) (Ctrl)	Mantel-Cox	Drug	-	-	0.4976	ns	1H
		Latency to feed in OF (sec) (AD)	Mantel-Cox	Drug	-	-	0.0328	*	1I
		Latency to feed in OF (sec)	Two-way ANOVA	Genotype x Drug	1.899	4,78	0.119	ns	1J
				Genotype	2.54	4,78	0.0464	*	
			Šídák's multiple comparisons test	Drug	0.01927	1,78	0.89	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.8071	ns	
				Ctrl: K10 vs. AD: K10	-	-	>0.9999	ns	
				Ctrl: K30 vs. AD: K30	-	-	0.0978	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.9866	ns	
				Ctrl: K10 + P3 vs. AD: K10 + P3	-	-	0.9644	ns	
		Food Consumed (g)	Two-way ANOVA	Genotype x Drug	0.5472	4,78	0.7016	ns	1K
				Drug	1.035	4,78	0.3944	ns	
				Genotype	7.42E-05	1,78	0.9932	ns	
		Weight Difference	Two-way ANOVA	Genotype x Drug	0.5372	4,78	0.7088	ns	1L
				Drug	1.353	4,78	0.2579	ns	
				Genotype	1.196	1,78	0.2775	ns	
	MB	Marbles Buried (%)	Two-way ANOVA	Genotype x Drug	3.686	4,65	0.0091	**	1M
				Drug	0.7118	4,65	0.5868	ns	
				Genotype	11.45	1,65	0.0012	**	
			Tukey's multiple comparisons test	Ctrl: Sal vs. AD: Sal	-	-	0.0011	**	
				0 Sal:Ctrl vs. 10 K:Ctrl	-	-	0.4453	ns	
				0 Sal:Ctrl vs. 10 K:AD	-	-	0.5613	ns	
				0 Sal:Ctrl vs. 30 K:Ctrl	-	-	0.9804	ns	
				0 Sal:Ctrl vs. 30 K:AD	-	-	0.5301	ns	
				0 Sal:Ctrl vs. 3 P:Ctrl	-	-	0.8026	ns	
				0 Sal:Ctrl vs. 3 P:AD	-	-	0.3681	ns	
				0 Sal:Ctrl vs. 10 + 3 K + P:Ctrl	-	-	0.7024	ns	
				0 Sal:Ctrl vs. 10 + 3 K + P:AD	-	-	0.2632	ns	
				0 Sal:AD vs. 10 K:Ctrl	-	-	0.2983	ns	
				0 Sal:AD vs. 10 K:AD	-	-	0.0968	ns	
				AD: Sal vs. Ctrl: K30	-	-	0.0009	***	
				AD: Sal vs. AD: K30	-	-	0.0809	ns	
				AD: Sal vs. Ctrl: P3	-	-	0.0205	*	
				AD: Sal vs. AD: P3	-	-	0.1027	ns	
				AD: Sal vs. Ctrl: K10 + P3	-	-	0.1949	ns	
				AD: Sal vs. AD: K10 + P3	-	-	0.8302	ns	
				Ctrl: K10 vs. AD: K10	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K30	-	-	0.85	ns	
				Ctrl: K10 vs. AD: K30	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P3	-	-	0.998	ns	
				Ctrl: K10 vs. AD: P3	-	-	>0.9999	ns	
				10 K:Ctrl vs. 10 + 3 K + P:Ctrl	-	-	>0.9999	ns	
				10 K:Ctrl vs. 10 + 3 K + P:AD	-	-	>0.9999	ns	
				10 K:AD vs. 30 K:Ctrl	-	-	0.9395	ns	
				10 K:AD vs. 30 K:AD	-	-	>0.9999	ns	
				10 K:AD vs. 3 P:Ctrl	-	-	>0.9999	ns	
				10 K:AD vs. 3 P:AD	-	-	>0.9999	ns	
				10 K:AD vs. 10 + 3 K + P:Ctrl	-	-	>0.9999	ns	
				10 K:AD vs. 10 + 3 K + P:AD	-	-	0.9965	ns	
				30 K:Ctrl vs. 30 K:AD	-	-	0.9233	ns	
				30 K:Ctrl vs. 3 P:Ctrl	-	-	0.9981	ns	
				30 K:Ctrl vs. 3 P:AD	-	-	0.767	ns	
				30 K:Ctrl vs. 10 + 3 K + P:Ctrl	-	-	0.9819	ns	
				30 K:Ctrl vs. 10 + 3 K + P:AD	-	-	0.6036	ns	
				30 K:AD vs. 3 P:Ctrl	-	-	>0.9999	ns	
				30 K:AD vs. 3 P:AD	-	-	>0.9999	ns	
				30 K:AD vs. 10 + 3 K + P:Ctrl	-	-	>0.9999	ns	
				30 K:AD vs. 10 + 3 K + P:AD	-	-	0.9962	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.9981	ns	
				Ctrl: P3 vs. Ctrl: K10 + P3	-	-	>0.9999	ns	
				3 P:Ctrl vs. 10 + 3 K + P:AD	-	-	0.9454	ns	
				3 P:AD vs. 10 + 3 K + P:Ctrl	-	-	>0.9999	ns	
				3 P:AD vs. 10 + 3 K + P:AD	-	-	0.9992	ns	
				10 + 3 K + P:Ctrl vs. 10 + 3 K + P:AD	-	-	0.9976	ns	
Female	CFC	Re-exposure Freezing (%) (Ctrl)	Two-way ANOVA	Time x Drug	0.4007	8,117	0.9182	ns	1N
				Time	18.08	2,117	<0.0001	****	
				Drug	5.887	4,117	0.0002	***	
			Dunnett's multiple comparisons test	Ctrl: Sal vs. K10	-	-	0.7764	ns	
				Ctrl: Sal vs. K30	-	-	0.0036	**	
		Re-exposure Freezing (%) (AD)	Two-way ANOVA	Ctrl: Sal vs. P3	-	-	0.0546	ns	1O
				Ctrl: Sal vs. K10 + P3	-	-	0.1025	ns	
				Time x Drug	0.4514	8,117	0.8875	ns	
			Dunnett's multiple comparisons test	Time	18.61	2,117	<0.0001	****	
				Drug	17.18	4,117	<0.0001	****	
				AD: Sal vs. K10	-	-	>0.9999	ns	
				AD: Sal vs. K30	-	-	<0.0001	****	
				AD: Sal vs. P3	-	-	0.0019	**	
				AD: Sal vs. K10 + P3	-	-	<0.0001	****	
	CFC	Re-exposure Freezing (%) (AD)	Two-way ANOVA	Genotype x Drug	1.052	4,78	0.3861	ns	
				Drug	8.665	4,78	<0.0001	****	
				Genotype	2.011	1,78	0.1602	ns	
				Ctrl: Sal vs. K10	-	-	0.9306	ns	
				Ctrl: Sal vs. K30	-	-	0.0817	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
		re-exposure + freezing Average (%)	Dunnett's multiple comparisons test	Ctrl: Sal vs. P3	-	-	0.2940	ns	1P
				Ctrl: Sal vs. K10 +P3	-	-	0.3939	ns	
				AD: Sal vs. K10	-	-	>0.9999	ns	
				AD: Sal vs. K30	-	-	0.0050	**	
				AD: Sal vs. P3	-	-	0.0797	ns	
				AD: Sal vs. K10 +P3	-	-	0.0005	***	
			RMANOVA	Time x Drug	2.595	69,368	<0.0001	****	2B
				Time	26.65	6,99	<0.0001	****	
				Drug	4.499	3,16	0.0180	*	
			Šídák's multiple comparisons test (ZT 0)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9998	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 1)	Ctrl: P1.5 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 2)	Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: P1.5 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 3)	Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: P1.5 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 4)	Ctrl: Sal vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	0.9996	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: P1.5 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 5)	Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: P1.5 vs. Ctrl: K+P	-	-	0.9985	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 6)	Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: P1.5 vs. Ctrl: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 7)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9996	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 8)	Ctrl: P1.5 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 9)	Ctrl: P1.5 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 10)	Ctrl: P1.5 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 11)	Ctrl: P1.5 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 12)	Ctrl: P1.5 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	0.9998	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
			Šídák's multiple comparisons test (ZT 13)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: P1.5 vs. Ctrl: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 14)	Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 15)	Ctrl: P1.5 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	0.9711	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.32	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 16)	Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: P1.5 vs. Ctrl: K+P	-	-	0.9939	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	0.0884	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.1382	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 17)	Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: P1.5 vs. Ctrl: K+P	-	-	0.9815	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	0.1066	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.603	ns	
			Šídák's multiple comparisons test (ZT 18)	Ctrl: Sal vs. Ctrl: K+P	-	-	0.938	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	0.837	ns	
				Ctrl: P1.5 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	0.5097	ns	
			Šídák's multiple comparisons test (ZT 19)	Ctrl: Sal vs. Ctrl: P1.5	-	-	0.3863	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	0.9967	ns	
				Ctrl: P1.5 vs. Ctrl: K+P	-	-	0.9592	ns	
			Šídák's multiple comparisons test (ZT 20)	Ctrl: Sal vs. Ctrl: K10	-	-	0.9994	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.6355	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 21)	Ctrl: P1.5 vs. Ctrl: K+P	-	-	0.9992	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	0.9997	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9935	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 22)	Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: P1.5 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.8957	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 23)	Ctrl: K10 vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	>0.9999	ns	
				Ctrl: P1.5 vs. Ctrl: K+P	-	-	0.9992	ns	
				Ctrl: Sal vs. Ctrl: K10	-	-	0.9987	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
	Sleep		RMANOVA	Time x Drug	1.421	69,621	0.0179	*	
				Time	42.22	5,140	<0.0001	****	
			Šídák's multiple comparisons test (ZT 0)	Drug	1.436	3,27	0.254	ns	
				AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 1)	AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
				AD: P1.5 vs. AD: K+P	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 2)	AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
				AD: P1.5 vs. AD: K+P	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
				AD: P1.5 vs. AD: K+P	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10	-	-	>0.9999	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
Single, Female		Activity (AD)	Šídák's multiple comparisons test (ZT 3)	AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	2C
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
				AD: P1.5 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 4)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 5)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 6)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 7)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 8)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 9)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 10)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 11)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	0.4535	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 12)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 13)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 14)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 15)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	0.0794	ns	
			Šídák's multiple comparisons test (ZT 16)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	0.7218	ns	
			Šídák's multiple comparisons test (ZT 17)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
			Šídák's multiple comparisons test (ZT 18)	AD: P1.5 vs. AD: K+P	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 19)	AD: P1.5 vs. AD: K+P	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 20)	AD: P1.5 vs. AD: K+P	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 21)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
				AD: P1.5 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 22)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
				AD: P1.5 vs. AD: K+P	-	-	>0.9999	ns	
			Šídák's multiple comparisons test (ZT 23)	AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K+P	-	-	>0.9999	ns	
				AD: K10 vs. AD: P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K+P	-	-	>0.9999	ns	
				AD: P1.5 vs. AD: K+P	-	-	>0.9999	ns	
		Sleep (%)	Two-way ANOVA	Genotype x Drug	2.115	3,43	0.1123	ns	2D
				Drug	3.122	1,43	0.0844	ns	
		Sleep Amplitude	Two-way ANOVA	Genotype	0.2651	3,43	0.8502	ns	2E
				Genotype x Drug	2.451	3,43	0.0763	ns	
				Drug	4.64	1,43	0.2947	ns	
			Šídák's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10	1.125	3,43	0.0067	**	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.0109	*	
				Ctrl: Sal vs. Ctrl: K+P	-	-	0.0122	*	
				Ctrl: Sal vs. Ctrl: K10	-	-	0.9307	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	0.9307	ns	
				Ctrl: K10 vs. Ctrl: K+P	-	-	0.1814	ns	
				Ctrl: P1.5 vs. Ctrl: K+P	-	-	0.2175	ns	
				AD: Sal vs. AD: K10	-	-	0.9971	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9723	ns	
				AD: Sal vs. AD: K+P	-	-	0.9971	ns	
				AD: K10 vs. AD: P1.5	-	-	0.9973	ns	
				AD: K10 vs. AD: K+P	-	-	0.9867	ns	
				AD: P1.5 vs. AD: K+P	-	-	0.8338	ns	
		Sleep in Light Phase (%)	Two-way ANOVA	Genotype x Drug	2.662	3,43	0.0600	ns	2F
				Genotype	4.534	1,43	0.0390	*	
			Šídák's multiple comparisons test	Drug	1.733	3,43	0.1744	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.9949	ns	
				Ctrl: K10 vs. AD: K10	-	-	0.1041	ns	
		Sleep in Dark Phase (%)	Two-way ANOVA	Ctrl: P1.5 vs. AD: P1.5	-	-	0.9899	ns	2G
				Ctrl: K10 + P1.5 vs. AD: K10 + P1.5	-	-	0.0964	ns	
				Genotype x Drug	1.378	3,43	0.2623	ns	
				Genotype	3.478	1,43	0.0690	ns	
				Drug	0.1671	3,43	0.9180	ns	
	NSF	Latency to feed in OF (sec) (Ctrl)	Mantel-Cox	Drug	-	-	0.05	ns	2H
		Latency to feed in OF (sec) (AD)	Mantel-Cox	Drug	-	-	0.1114	ns	2I
		Latency to feed in OF (sec)	Two-way ANOVA	Genotype x Drug	0.5474	3,56	0.652	ns	2J
				Genotype	0.5471	1,56	0.4626	ns	
				Drug	3.797	3,56	0.015	*	
			Šídák's multiple comparisons test	Ctrl: Sal vs. K10	-	-	0.9932	ns	
				Ctrl: Sal vs. P1.5	-	-	0.9532	ns	
				Ctrl: Sal vs. K10 + P1.5	-	-	0.1588	ns	
				AD: Sal vs. K10	-	-	0.6873	ns	
				AD: Sal vs. P1.5	-	-	0.6085	ns	
				AD: Sal vs. K10 + P1.5	-	-	0.0658	ns	
		Food Consumed (g)	Two-way ANOVA	Genotype x Drug	0.2399	3,56	0.8682	ns	2K
				Drug	0.3057	3,56	0.8212	ns	
				Genotype	0.6086	1,56	0.4386	ns	
		Weight Difference	Two-way ANOVA	Genotype x Drug	1.009	3,56	0.3958	ns	2L
				Drug	0.5533	3,56	0.6480	ns	
				Genotype	0.2228	1,56	0.6388	ns	
				Genotype x Drug	3.221	3,58	0.0291	*	
			Two-way ANOVA	Drug	0.9596	3,58	0.418	ns	
				Genotype	0.2980	1,58	0.5872	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.3006	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
	MB	Marbles Buried (%)	Tukey's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10	-	-	0.4330	ns	2M
				Ctrl: Sal vs. AD: K10	-	-	0.2638	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.1056	ns	
				Ctrl: Sal vs. AD: P1.5	-	-	0.9051	ns	
				Ctrl: Sal vs. Ctrl: K10 + P1.5	-	-	0.7154	ns	
				Ctrl: Sal vs. AD: K10 + P1.5	-	-	0.5468	ns	
				AD: Sal vs. Ctrl: K10	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10	-	-	>0.9999	ns	
				AD: Sal vs. Ctrl: P1.5	-	-	0.9986	ns	
				AD: Sal vs. AD: P1.5	-	-	0.8543	ns	
				AD: Sal vs. Ctrl: K10 + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 + P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. AD: K10	-	-	>0.9999	ns	
				Ctrl: K10 vs. Ctrl: P1.5	-	-	0.9865	ns	
				Ctrl: K10 vs. AD: P1.5	-	-	0.9525	ns	
				Ctrl: K10 vs. Ctrl: K10 + P1.5	-	-	>0.9999	ns	
				Ctrl: K10 vs. AD: K10 + P1.5	-	-	>0.9999	ns	
				AD: K10 vs. Ctrl: P1.5	-	-	0.9951	ns	
				AD: K10 vs. AD: P1.5	-	-	0.8277	ns	
				AD: K10 vs. Ctrl: K10 + P1.5	-	-	>0.9999	ns	
				AD: K10 vs. AD: K10 + P1.5	-	-	>0.9999	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.4571	ns	
				Ctrl: P1.5 vs. Ctrl: K10 + P1.5	-	-	0.9932	ns	
				Ctrl: P1.5 vs. AD: K10 + P1.5	-	-	0.9976	ns	
				AD: P1.5 vs. Ctrl: K10 + P1.5	-	-	0.9950	ns	
				AD: P1.5 vs. 10 + 1.5 K + P:AD	-	-	0.9723	ns	
				Ctrl: K10 + P1.5 vs. AD: K10 + P1.5	-	-	>0.9999	ns	
	CFC	Context Re-exposure Freezing (%) (Ctrl)	Two-way ANOVA	Time x Drug	0.157	6,69	0.9870	ns	2N
				Time	4.766	2,69	0.0115	*	
				Drug	2.012	3,69	0.1203	ns	
		Context Re-exposure Freezing (%) (AD)	Two-way ANOVA	Time x Drug	0.1411	6,102	0.9904	ns	2O
				Time	7.426	2,102	0.0010	***	
				Drug	0.5485	3,102	0.6503	ns	
		Context Re-exposure Freezing Average (%)	Two-way ANOVA	Genotype x Drug	0.6316	3,57	0.5976	ns	2P
				Drug	0.4795	3,57	0.6978	ns	
				Genotype	0.1604	1,57	0.6908	ns	
			Mixed-effects model (REML)	Time x Genotype/Drug	1.623	221,1246	<0.0001	****	
				Time	3.962	13,1246	<0.0001	****	
				Genotype/Drug	20.91	17,97	<0.0001	****	
			Tukey's multiple comparisons test (Day 1)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9989	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9564	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9992	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9327	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9537	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	0.6081	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	>0.9999	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.0421	*	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.8669	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.5889	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0975	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.9074	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.5234	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.1166	ns	
			Tukey's multiple comparisons test (Day 2)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9994	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9956	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9997	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.993	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9998	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	0.5026	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.9984	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.1256	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.7606	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.7231	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.02	*	
				Ctrl: P3 vs. AD: P3	-	-	0.728	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.3229	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0441	*	
			Tukey's multiple comparisons test (Day 3)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9967	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9997	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9912	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9997	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	0.7802	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.9996	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.1216	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.8102	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.7787	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.1815	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.9024	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.6418	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0480	*	
			Tukey's multiple comparisons test (Day 4)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9986	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9959	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9983	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9709	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9891	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	0.6865	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9986	ns	
				Ctrl: Sal vs. AD: Sal	-	-	>0.9999	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.1129	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.8254	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.7144	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.1418	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.9123	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.3654	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0246	*	
			Tukey's multiple comparisons test (Day 5)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9976	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9982	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9998	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.982	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9893	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	0.6628	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9996	ns	
				Ctrl: Sal vs. AD: Sal	-	-	>0.9999	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.0917	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.9120	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.8496	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.2358	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.9740	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.5008	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0600	ns	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9957	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9979	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9856	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9789	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
Chronic 2	Weight	Weight (g)	Tukey's multiple comparisons test (Day 6)	AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	data not shown
				AD: Sal vs. AD: P1.5	-	-	0.6157	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9997	ns	
				Ctrl: Sal vs. AD: Sal	-	-	>0.9999	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.1309	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.9638	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.8018	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.2117	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.9527	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.5923	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0869	ns	
			Tukey's multiple comparisons test (Day 7)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9986	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9912	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9995	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9786	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9668	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	0.4956	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9984	ns	
				Ctrl: Sal vs. AD: Sal	-	-	>0.9999	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.0709	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.9432	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.6145	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0957	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.9586	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.3790	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0373	*	
			Tukey's multiple comparisons test (Day 8)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9987	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9920	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9994	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9506	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9816	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	0.5030	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9992	ns	
				Ctrl: Sal vs. AD: Sal	-	-	>0.9999	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.0756	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.9479	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.6769	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0711	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.9321	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.2193	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0132	*	
			Tukey's multiple comparisons test (Day 9)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9998	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9864	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9937	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9347	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9916	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	0.2374	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9992	ns	
				Ctrl: Sal vs. AD: Sal	-	-	>0.9999	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.0807	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.9053	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.7993	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0191	*	
				Ctrl: P3 vs. AD: P3	-	-	0.9762	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.1867	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
Chronic, 2 Month Male			Tukey's multiple comparisons test (Day 10)	Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0195	*	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9824	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9991	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9572	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9994	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	0.3183	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	>0.9999	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.0960	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.9869	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.8507	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0695	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.9485	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.4426	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0368	*	
			Tukey's multiple comparisons test (Day 11)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.9998	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9919	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9556	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9935	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9532	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9986	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	0.3132	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9997	ns	
				Ctrl: Sal vs. AD: Sal	-	-	>0.9999	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.0779	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.6145	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.7904	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0471	*	
				Ctrl: P3 vs. AD: P3	-	-	0.8990	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.3309	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0407	*	
			Tukey's multiple comparisons test (Day 12)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9244	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9964	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9391	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9963	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	0.3611	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9994	ns	
				Ctrl: Sal vs. AD: Sal	-	-	>0.9999	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.0848	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.9274	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.8673	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0553	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.9091	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.3902	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0319	*	
			Tukey's multiple	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9998	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9371	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9982	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9334	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9893	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	

Table S02: Statistical Analysis

Table S02: Statistical Analysis												
Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.			
			comparisons test (Day 13)	AD: Sal vs. AD: P1.5	-	-	0.3611	ns				
				AD: Sal vs. AD: P3	-	-	>0.9999	ns				
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns				
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns				
				Ctrl: Sal vs. AD: Sal	-	-	>0.9999	ns				
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.0342	*				
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.9382	ns				
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns				
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.8560	ns				
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0207	*				
			Ctrl: P3 vs. AD: P3	-	-	0.9016	ns					
			Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.6809	ns					
			Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0226	*					
			Tukey's multiple comparisons test (Day 14)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns				
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns				
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9998	ns				
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9596	ns				
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns				
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns				
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9962	ns				
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9537	ns				
				AD: Sal vs. AD: K10 1x	-	-	0.9917	ns				
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns				
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns				
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns				
				AD: Sal vs. AD: P1.5	-	-	0.1967	ns				
				AD: Sal vs. AD: P3	-	-	>0.9999	ns				
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns				
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9994	ns				
				Ctrl: Sal vs. AD: Sal	-	-	>0.9999	ns				
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.0465	*				
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.9672	ns				
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns				
			Ctrl: K30 2x vs. AD: K30 2x	-	-	0.7773	ns					
			Ctrl: P1.5 vs. AD: P1.5	-	-	0.0096	**					
			Ctrl: P3 vs. AD: P3	-	-	0.9024	ns					
			Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.1790	ns					
			Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0230	*					
			Change in Body Weight (%)	Two-way ANOVA	Genotype x Drug	1.465	8,97	0.1800		ns		
					Drug	2.66	1,97	0.1061		ns		
	Genotype	2.107			8,97	0.0423	*					
	Šidák's multiple comparisons test	Ctrl: Sal vs. AD: Sal		-	-	0.9971	ns					
		Ctrl: K10 1x vs. AD: K10 1x		-	-	>0.9999	ns					
		Ctrl: K10 2x vs. AD: K10 2x		-	-	0.9039	ns					
		Ctrl: K30 1x vs. AD: K30 1x		-	-	0.4492	ns					
		Ctrl: K30 2x vs. AD: K30 2x		-	-	0.9853	ns					
		Ctrl: P1.5 vs. AD: P1.5		-	-	0.3817	ns					
		Ctrl: P3 vs. AD: P3		-	-	>0.9999	ns					
	Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.6833	ns							
	Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.706	ns							
CFC Training	Training Average Freezing (%)	One-way ANOVA	Genotype x Drug	1.048	8,106	0.4056	ns	3C				
Genotype	3.357	1,106	0.0697	ns								
Drug	0.7581	8,106	0.6402	ns								
CFC Re-exposure	Re-exposure Average Freezing (%)	Two-way ANOVA	Genotype x Drug	4.33	8,106	0.0002	***	3D				
			Genotype	1.359	1,106	0.2464	ns					
			Drug	1.283	8,106	0.2604	ns					
			Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.9989	ns					
			Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9998	ns					
			Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9999	ns					
			Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns					
			Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns					
			Ctrl: Sal vs. Ctrl: P3	-	-	0.981	ns					
			Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	>0.9999	ns					
			Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9457	ns					
			AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns					
			AD: Sal vs. AD: K10 2x	-	-	0.7499	ns					
			AD: Sal vs. AD: K30 1x	-	-	0.9998	ns					
			AD: Sal vs. AD: K30 2x	-	-	0.9979	ns					
			AD: Sal vs. AD: P1.5	-	-	0.8126	ns					
			AD: Sal vs. AD: P3	-	-	0.0184	*					
			AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns					
			AD: Sal vs. AD: K10 1x + P3	-	-	0.0094	**					
			Ctrl: Sal vs. AD: Sal	-	-	0.0597	ns					
			Ctrl: K10 1x vs. AD: K10 1x	-	-	0.0015	**					
			Ctrl: K10 2x vs. AD: K10 2x	-	-	0.6346	ns					
			Ctrl: K30 1x vs. AD: K30 1x	-	-	0.3941	ns					
			Ctrl: K30 2x vs. AD: K30 2x	-	-	0.3203	ns					
			Ctrl: P1.5 vs. AD: P1.5	-	-	0.5719	ns					
			Ctrl: P3 vs. AD: P3	-	-	0.0059	**					
			Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.0872	ns					
			Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0027	**					
					Two-way ANOVA	Genotype x Drug	2.281		8,106	0.0271	*	
						Genotype	0.6074		1,106	0.4375	ns	
Drug	1.984	8,106				0.0553	ns					
	Ctrl: Sal vs. Ctrl: K10 1x	-			-	0.9996	ns					
	Ctrl: Sal vs. Ctrl: K10 2x	-			-	0.7993	ns					
	Ctrl: Sal vs. Ctrl: K30 1x	-			-	0.9045	ns					
	Ctrl: Sal vs. Ctrl: K30 2x	-			-	0.7400	ns					

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
	FST 1	FST 1 Average Immobility (sec) (min 3-6)	Tukey's multiple comparisons test	Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9354	ns	3E
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9958	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9366	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.7026	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.8369	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9936	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9998	ns	
				AD: Sal vs. AD: P1.5	-	-	0.1046	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9976	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.8287	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.0807	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.0049	**	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.7806	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.0727	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0850	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.7240	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.5277	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.7938	ns	
	FST 2	FST 2 Average Immobility (sec) (min 3-6)	Two-way ANOVA	Genotype x Drug	1.419	8,106	0.1970	ns	3F
				Genotype	1.912	1,106	0.1696	ns	
				Drug	0.9562	8,106	0.4743	ns	
	Marble Burying	Marbles Buried	Two-way ANOVA	Genotype x Drug	6.538	8,94	<0.0001	****	3G
				Genotype	8.051	1,94	0.0056	**	
				Drug	3.426	8,94	0.0017	**	
			Tukey's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9817	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.3430	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.8653	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.9988	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.7033	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9989	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9131	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.3907	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9755	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.1014	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9758	ns	
				AD: Sal vs. AD: P3	-	-	0.2473	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9901	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9998	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.9220	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.1191	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.0008	***	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0007	***	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.0060	**	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.6247	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.0022	**	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.0044	**	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.2449	ns	
	Weight	Weight (g)	Two-way ANOVA	Time x Genotype/Drug	0.57	221,1538	>0.9999	ns	data not shown
				Time	3.39	13,1538	<0.0001	****	
				Genotype/Drug	9.049	17,119	<0.0001	****	
			Tukey's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.8678	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.5259	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.9987	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.6338	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.96	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.4968	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.5413	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9998	ns	
				AD: Sal vs. AD: P3	-	-	0.926	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.1471	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.5186	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.2295	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	<0.0001	****	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.0002	***	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.8947	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.9997	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0861	ns	
				Ctrl: P3 vs. AD: P3	-	-	<0.0001	****	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.9953	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.9964	ns	
	Change in Body Weight (%)		Two-way ANOVA	Genotype x Drug	0.3351	8,117	0.9508	ns	4B
				Genotype	3.845	1,117	0.0523	ns	
				Drug	0.5614	8,117	0.8076	ns	
			Two-way ANOVA	Genotype x Drug	7.781	8,131	<0.0001	****	
				Genotype	9.488	1,131	0.0025	**	
				Drug	5.043	8,131	<0.0001	****	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.9993	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
Chronic, 6 month Male	CFC Training	Average Freezing (%)	Tukey's multiple comparisons test	Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	4C
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	<0.0001	****	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.9947	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9051	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.6892	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9996	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.7848	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.2794	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.3661	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.2909	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.4395	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.2664	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.9079	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.7632	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0308	*	
	CFC Re-exposure	Average Freezing (%)	Two-way ANOVA	Genotype x Drug	3.697	8,115	0.0007	***	4D
				Genotype	1.983	1,983	0.1618	ns	
				Drug	1.77	1,770	0.0901	ns	
			Tukey's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9995	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.5393	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.9453	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9648	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.5243	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.1417	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9939	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9993	ns	
				AD: Sal vs. AD: P1.5	-	-	0.3229	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.0278	**	
				Ctrl: Sal vs. AD: Sal	-	-	0.0386	*	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.4007	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.3466	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.2289	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.001	***	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.6638	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.0137	*	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.857	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0018	**	
	FST 1	Average Immobility Time (min 3-6) (sec)	Two-way ANOVA	Genotype x Drug	2.996	8,130	0.0041	**	4E
				Genotype	0.2785	1,130	0.5986	ns	
				Drug	5.115	8,130	<0.0001	****	
			Tukey's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.2211	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9995	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.1104	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.0679	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.232	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9959	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.0761	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.3251	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.1832	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9998	ns	
				AD: Sal vs. AD: P3	-	-	0.2571	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.6763	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.3756	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0127	*	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.2525	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.0035	**	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.827	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.6074	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.3057	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.7138	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.6116	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0184	*	
			Two-way ANOVA	Genotype x Drug	4.903	8,111	<0.0001	****	
				Genotype	0.8923	1,111	0.3469	ns	
				Drug	6.163	8,111	<0.0001	****	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.8158	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	<0.0001	****	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.1059	**	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9227	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.0236	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.0002	****	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9798	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.7637	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
		Average Immobility Time (min 3-6) (sec)	Tukey's multiple comparisons test	AD: Sal vs. AD: K30 1x	-	-	0.7729	ns	4F
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9499	ns	
				AD: Sal vs. AD: P3	-	-	0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.164	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.3134	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.2208	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.2059	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0031	**	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.7997	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.6547	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.809	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.5188	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0271	*	
	MB	Marbles Buried (%)	Two-way ANOVA	Genotype x Drug	0.8786	8,130	0.5364	ns	4G
				Genotype	6.396	1,130	0.0126	*	
				Drug	3.078	8,130	0.0033	**	
			Tukey's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.7397	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9754	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.1578	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9877	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.8831	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.96	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.7704	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.8037	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9941	ns	
				AD: Sal vs. AD: P3	-	-	0.9992	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9864	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.2158	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.6862	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.1131	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.1502	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.8264	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.5077	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.1389	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.7569	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0317	*	
GFAP, Male	HPC	GFAP Fluorescence in HPC (%µm2)	Two-way ANOVA	Genotype x Drug	3.621	3,27	0.0257	*	5C
				Genotype	3.727	1,27	0.0641	ns	
				Drug	5.493	3,27	0.0044	**	
			Dunnett's multiple comparisons test	Ctrl: Sal vs. Ctrl: K	-	-	0.4238	ns	
				Ctrl: Sal vs. Ctrl: P	-	-	0.0071	**	
				Ctrl: Sal vs. Ctrl: K+P	-	-	0.3489	ns	
				AD: Sal vs. AD: K	-	-	0.0018	**	
				AD: Sal vs. AD: P	-	-	0.2919	ns	
				AD: Sal vs. AD: K+P	-	-	0.2561	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.434	ns	
				Ctrl: K vs. AD: K	-	-	0.2043	ns	
				Ctrl: P vs. AD: P	-	-	0.0027	**	
				Ctrl: K+P vs. AD: K+P	-	-	0.35	ns	
	DG-sg	GFAP Fluorescence in DG-sg (%µm2)	Two-way ANOVA	Genotype x Drug	21.98	3,27	<0.0001	****	5E
				Genotype	34.5	1,27	<0.0001	****	
				Drug	17.3	3,27	<0.0001	****	
			Dunnett's multiple comparisons test	Ctrl: Sal vs. Ctrl: K	-	-	0.5033	ns	
				Ctrl: Sal vs. Ctrl: P	-	-	<0.0001	****	
				Ctrl: Sal vs. Ctrl: K+P	-	-	0.9406	ns	
				AD: Sal vs. AD: K	-	-	0.1269	ns	
				AD: Sal vs. AD: P	-	-	0.9336	ns	
				AD: Sal vs. AD: K+P	-	-	0.357	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.1958	ns	
				Ctrl: K vs. AD: K	-	-	0.3951	ns	
				Ctrl: P vs. AD: P	-	-	<0.0001	****	
				Ctrl: K+P vs. AD: K+P	-	-	0.6825	ns	
	DG-mo	GFAP Fluorescence in DG-mo (%µm2)	Two-way ANOVA	Genotype x Drug	1.893	3,27	0.1546	ns	5G
				Genotype	4.936	1,27	0.0349	*	
				Drug	2.995	3,27	0.0483	*	
			Dunnett's multiple comparisons test	Ctrl: Sal vs. Ctrl: K	-	-	0.7493	ns	
				Ctrl: Sal vs. Ctrl: P	-	-	0.546	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	0.3532	ns	
				AD: Sal vs. AD: K	-	-	0.0028	**	
				AD: Sal vs. AD: P	-	-	0.2376	ns	
				AD: Sal vs. AD: K+P	-	-	0.5546	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.5772	ns	
				Ctrl: K vs. AD: K	-	-	0.0038	**	
				Ctrl: P vs. AD: P	-	-	0.4613	ns	
				Ctrl: K+P vs. AD: K+P	-	-	0.9735	ns	
	SLM	GFAP Fluorescence in SLM (%µm2)	Two-way ANOVA	Genotype x Drug	4.557	3,27	0.0104	*	5I
				Genotype	1.109	1,27	0.3016	ns	
				Drug	1.675	3,27	0.1959	ns	
			Dunnett's multiple comparisons test	Ctrl: Sal vs. Ctrl: K	-	-	0.9954	ns	
				Ctrl: Sal vs. Ctrl: P	-	-	0.0265	*	
				Ctrl: Sal vs. Ctrl: K+P	-	-	0.4773	ns	
				AD: Sal vs. AD: K	-	-	0.2585	ns	
				AD: Sal vs. AD: P	-	-	0.9933	ns	
				AD: Sal vs. AD: K+P	-	-	0.5595	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
GFAP, Female	CA1	GFAP Fluorescence in CA1 (%µm2)	Two-way ANOVA	Ctrl: Sal vs. AD: Sal	-	-	0.9938	ns	5K
				Ctrl: K vs. AD: K	-	-	0.0933	ns	
				Ctrl: P vs. AD: P	-	-	0.0022	**	
				Ctrl: K+P vs. AD: K+P	-	-	0.7263	ns	
			Dunnett's multiple comparisons test	Genotype x Drug	8.139	3,27	0.0005	***	5K
				Genotype	7.515	1,27	0.0107	*	
				Drug	10.6	3,27	<0.0001	****	
				Ctrl: Sal vs. Ctrl: K	-	-	0.3455	ns	
				Ctrl: Sal vs. Ctrl: P	-	-	0.0001	***	
				Ctrl: Sal vs. Ctrl: K+P	-	-	0.7957	ns	
				AD: Sal vs. AD: K	-	-	0.029	*	
				AD: Sal vs. AD: P	-	-	0.7436	ns	
				AD: Sal vs. AD: K+P	-	-	0.9411	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.5309	ns	
				Ctrl: K vs. AD: K	-	-	0.812	ns	
				Ctrl: P vs. AD: P	-	-	<0.0001	***	
				Ctrl: K+P vs. AD: K+P	-	-	0.5731	ns	
				Genotype x Drug	1.675	3,28	0.195	ns	5D
				Genotype	4.672	1,28	0.0394	*	
				Drug	5.588	3,28	0.0039	**	
			Dunnett's multiple comparisons test	Ctrl: Sal vs. Ctrl: K	-	-	0.1185	ns	
				Ctrl: Sal vs. Ctrl: P	-	-	0.472	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	0.8973	ns	
				AD: Sal vs. AD: K	-	-	0.9726	ns	
				AD: Sal vs. AD: P	-	-	0.8973	ns	
				AD: Sal vs. AD: K+P	-	-	0.0108	*	
				Ctrl: Sal vs. AD: Sal	-	-	0.0412	*	
				Ctrl: K vs. AD: K	-	-	0.0305	*	
				Ctrl: P vs. AD: P	-	-	0.7434	ns	
				Ctrl: K+P vs. AD: K+P	-	-	0.728	ns	
			Two-way ANOVA	Genotype x Drug	0.8866	3,28	0.4601	ns	5F
				Genotype	0.8713	1,28	0.3586	ns	
				Drug	5.967	3,28	0.0028	**	
				Sal vs. K	-	-	0.0171	*	
	DG-sg	GFAP Fluorescence in DG-sg (%µm2)	Dunnett's multiple comparisons test	Sal vs. P	-	-	0.9967	ns	5F
				Sal vs. K+P	-	-	0.0122	*	
			Two-way ANOVA	Genotype x Drug	1.666	3,28	0.197	ns	
				Genotype	39.21	1,28	<0.0001	****	
				Drug	3.626	3,28	0.025	*	
			Dunnett's multiple comparisons test	Ctrl: Sal vs. Ctrl: K	-	-	0.3544	ns	5H
				Ctrl: Sal vs. Ctrl: P	-	-	0.6525	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	0.7405	ns	
				AD: Sal vs. AD: K	-	-	0.9604	ns	
				AD: Sal vs. AD: P	-	-	0.9997	ns	
				AD: Sal vs. AD: K+P	-	-	0.0156	*	
				Ctrl: Sal vs. AD: Sal	-	-	0.0002	***	
				Ctrl: K vs. AD: K	-	-	0.0627	ns	
				Ctrl: P vs. AD: P	-	-	0.0002	***	
				Ctrl: K+P vs. AD: K+P	-	-	0.0511	ns	
	SLM	GFAP Fluorescence in SLM (%µm2)	Two-way ANOVA	Genotype x Drug	0.6417	3,28	0.5946	ns	5J
				Genotype	3.186	1,28	0.0851	ns	
				Drug	1.686	3,28	0.1927	ns	
				Genotype x Drug	1.485	3,28	0.24	ns	5L
	CA1	GFAP Fluorescence in CA1 (%µm2)	Two-way ANOVA	Genotype	6.159	1,28	0.0193	*	
				Drug	4.078	3,28	0.016	*	
			Dunnett's multiple comparisons test	Ctrl: Sal vs. Ctrl: K	-	-	0.9399	ns	
				Ctrl: Sal vs. Ctrl: P	-	-	0.8079	ns	
				Ctrl: Sal vs. Ctrl: K+P	-	-	0.856	ns	
				AD: Sal vs. AD: K	-	-	0.0289	*	
				AD: Sal vs. AD: P	-	-	0.872	ns	
				AD: Sal vs. AD: K+P	-	-	0.5945	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.4184	ns	
				Ctrl: K vs. AD: K	-	-	0.0065	**	
				Ctrl: P vs. AD: P	-	-	0.5097	ns	
				Ctrl: K+P vs. AD: K+P	-	-	0.6872	ns	
	NSF	Latency to feed in HC (sec) (Ctrl)	Mantel-Cox	Drug	-	-	0.016	ns	S1A
		Latency to feed in HC (sec) (AD)	Mantel-Cox	Drug	-	-	0.0249	*	S1B
		Latency to feed in HC (sec)	Two-way ANOVA	Genotype x Drug	1.405	4,78	0.2401	ns	S1C
				Drug	3.154	4,78	0.0186	*	
				Group	0.03871	1,78	0.8845	ns	
				Ctrl: Sal vs. K10	-	-	0.4248	ns	
			Dunnett's multiple comparisons test	Ctrl: Sal vs. K30	-	-	0.2752	ns	
				Ctrl: Sal vs. P3	-	-	0.0612	ns	
				Ctrl: Sal vs. K10 +P3	-	-	0.3791	ns	
				AD: Sal vs. K10	-	-	0.6924	ns	
				AD: Sal vs. K30	-	-	0.0153	*	
				AD: Sal vs. P3	-	-	0.5975	ns	
				AD: Sal vs. K10 +P3	-	-	0.9989	ns	
			Two-way ANOVA	Time x Drug	2.3	16,156	0.0047	**	
				Time	28.44	1,249,48.71	<0.0001	****	
				Drug	3.269	4,39	0.021	*	
				Ctrl: Sal vs. K10	-	-	-	ns	
		Dunnett's multiple comparisons test (0s)		Ctrl: Sal vs. K30	-	-	-	ns	
				Ctrl: Sal vs. P3	-	-	-	ns	
				Ctrl: Sal vs. K10 +P3	-	-	-	ns	
				Ctrl: Sal vs. K10	-	-	0.9389	ns	
		Dunnett's multiple comparisons test (60s)		Ctrl: Sal vs. K30	-	-	0.3115	ns	
				Ctrl: Sal vs. P3	-	-	0.3183	ns	

Table S02: Statistical Analysis

Table S02: Statistical Analysis										
Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.	
Single, Male	CFC	Training Freezing (%) (Ctrl)	Dunnett's multiple comparisons test (120s)	Ctrl: Sal vs. K10 +P3	-	-	0.7161	ns	S1D	
				Ctrl: Sal vs. K10	-	-	0.7169	ns		
				Ctrl: Sal vs. K30	-	-	0.1423	ns		
				Ctrl: Sal vs. P3	-	-	0.7264	ns		
			Dunnett's multiple comparisons test (180s)	Ctrl: Sal vs. K10 +P3	-	-	0.2330	ns		
				Ctrl: Sal vs. K10	-	-	0.5846	ns		
				Ctrl: Sal vs. K30	-	-	0.2534	ns		
				Ctrl: Sal vs. P3	-	-	0.1605	ns		
			Dunnett's multiple comparisons test (240s)	Ctrl: Sal vs. K10 +P3	-	-	0.9954	ns		
				Ctrl: Sal vs. K10	-	-	0.9993	ns		
				Ctrl: Sal vs. K30	-	-	0.1121	ns		
				Ctrl: Sal vs. P3	-	-	0.0355	*		
		Training Freezing Average (%)	Two-way ANOVA	Ctrl: Sal vs. K10 +P3	-	-	0.8183	ns	S1E	
				Time x Drug	0.9108	16,160	0.558	ns		
				Time	17.58	1,825, 72.99	<0.0001	****		
				Drug	1.885	4,40	0.1319	ns		
			Two-way ANOVA	Genotype x Drug	0.6158	4,78	0.6158	ns		
				Drug	4.592	4,78	0.0022	**		
				Genotype	0.0009806	1,78	0.9751	ns		
				Ctrl: Sal vs. K10	-	-	>0.9999	ns		
			Šídák's multiple comparisons test	Ctrl: Sal vs. K30	-	-	0.0545	ns	S1F	
				Ctrl: Sal vs. P3	-	-	0.0828	ns		
				Ctrl: Sal vs. K10 +P3	-	-	0.9999	ns		
				AD: Sal vs. K10	-	-	0.8107	ns		
				AD: Sal vs. K30	-	-	0.2917	ns		
				AD: Sal vs. P3	-	-	0.0348	*		
				AD: Sal vs. K10 +P3	-	-	0.4481	ns		
Single, Female	NSF	Latency to feed in HC (sec) (Ctrl)	Mantel-Cox	Drug	-	-	0.0052	**	S2A	
		Latency to feed in HC (sec) (AD)	Mantel-Cox	Drug	-	-	0.4778	ns	S2B	
		Latency to feed in HC (sec)	Two-way ANOVA	Genotype x Drug	1.539	3,56	0.2144	ns	S2C	
				Drug	2.39	3,56	0.0784	ns		
		Latency to feed in HC (sec)	Two-way ANOVA	Genotype	0.6997	1,56	0.4064	ns		
		NSF	Latency to feed in HC (sec) (Ctrl)	Mantel-Cox	Drug	-	-	0.0052	**	S2A
			Latency to feed in HC (sec) (AD)	Mantel-Cox	Drug	-	-	0.4778	ns	S2B
			Latency to feed in HC (sec)	Two-way ANOVA	Genotype x Drug	1.539	3,56	0.2144	ns	S2C
					Drug	2.39	3,56	0.0784	ns	
			Latency to feed in HC (sec)	Two-way ANOVA	Genotype	0.6997	1,56	0.4064	ns	
	CFC	Training Freezing (%) (Ctrl)	Two-way ANOVA	Time x Drug	0.0693	12,92	>0.9999	ns	S2D	
				Time	31.36	4,35	<0.0001	****		
				Drug	0.1476	3,23	0.9302	ns		
		Training Freezing (%) (AD)	Two-way ANOVA	Time x Drug	0.8426	12,140	0.6066	ns	S2E	
				Time	19.4	4,46	<0.0001	****		
				Drug	1.04	3,35	0.387	ns		
		Context Training Freezing Average (%)	Two-way ANOVA	Genotype x Drug	0.2286	3,58	0.8761	ns	S2F	
				Drug	0.8381	3,58	0.4785	ns		
				Genotype	5.726	1,58	0.02	*		
			Šídák's multiple comparisons test	Ctrl: Sal vs. AD: Sal	-	-	0.5324	ns		
				Ctrl: K10 vs AD: K10	-	-	0.5295	ns		
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.1632	ns		
	CFC	Training Freezing (%) (Ctrl)	Two-way ANOVA	Ctrl: K10 + P1.5 vs. AD: K10 + P1.5	-	-	0.9893	ns	S2D	
				Time x Drug	0.0693	12,92	>0.9999	ns		
				Time	31.36	4,35	<0.0001	****		
		Training Freezing (%) (AD)	Two-way ANOVA	Drug	0.1476	3,23	0.9302	ns	S2E	
				Time x Drug	0.8426	12,140	0.6066	ns		
				Time	19.4	4,46	<0.0001	****		
		Context Training Freezing Average (%)	Two-way ANOVA	Drug	1.04	3,35	0.387	ns	S2F	
				Genotype x Drug	0.2286	3,58	0.8761	ns		
				Drug	0.8381	3,58	0.4785	ns		
			Šídák's multiple comparisons test	Genotype	5.726	1,58	0.02	*		
				Ctrl: Sal vs. AD: Sal	-	-	0.5324	ns		
				Ctrl: K10 vs AD: K10	-	-	0.5295	ns		
		Training Freezing (%) (Ctrl)	Two-way ANOVA	Ctrl: P1.5 vs. AD: P1.5	-	-	0.1632	ns		
				Ctrl: K10 + P1.5 vs. AD: K10 + P1.5	-	-	0.9893	ns		
			Two-way ANOVA	Time x Drug	0.5657	32,224	0.9721	ns	S3A	
				Time	85.87	4,224	<0.0001	****		
				Drug	0.4328	8,56	0.8964	ns		
				Time x Drug	1.661	32,204	0.0195	*		
				Time	76.35	4,204	<0.0001	****		
				Drug	1.953	8,51	0.0720	ns		
			Dunnett's multiple comparisons test (Min 1)	AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns		
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns		
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns		
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns		
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns		
				AD: Sal vs. AD: P3	-	-	>0.9999	ns		
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns		
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns		
			Dunnett's multiple comparisons test (Min 2)	AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns		
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns		
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns		
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns		
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns		

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
Chronic, 2 Month Male	CFC Training	Training Freezing (%) (AD)		AD: Sal vs. AD: P3	-	-	>0.9999	ns	S3B
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
			Dunnett's multiple comparisons test (Min 3)	AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9966	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9996	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
			Dunnett's multiple comparisons test (Min 4)	AD: Sal vs. AD: K10 1x	-	-	0.9645	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9923	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.887	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9997	ns	
				AD: Sal vs. AD: P1.5	-	-	0.0593	ns	
				AD: Sal vs. AD: P3	-	-	0.9145	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.0451	*	
			Dunnett's multiple comparisons test (Min 5)	AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.0774	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9945	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.052	ns	
				AD: Sal vs. AD: P1.5	-	-	0.1391	ns	
				AD: Sal vs. AD: P3	-	-	0.2379	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.0113	*	
	CFC Re-exposure	Re-exposure Freezing (%) (Ctrl)	Two-way ANOVA	Time x Drug	1.48	16,112	0.1197	ns	S3C
				Time	42.19	2,112	<0.0001	****	
				Drug	1.085	8,56	0.3874	ns	
		Re-exposure Freezing (%) (AD)	Two-way ANOVA	Time x Drug	1.351	16,100	0.1824	ns	S3D
				Time	36.76	2,100	<0.0001	****	
				Drug	4.02	8,50	0.0010	**	
			Dunnett's multiple comparisons test	AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.4763	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9975	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9786	ns	
				AD: Sal vs. AD: P1.5	-	-	0.5487	ns	
				AD: Sal vs. AD: P3	-	-	0.0118	*	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9996	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.0067	**	
		FST 1 Immobility Time (sec) (Ctrl)	Two-way ANOVA	Time x Drug	0.6598	40,280	0.9438	ns	S3E
				Time	10.6	5,280	<0.0001	****	
				Drug	1.859	8,56	0.0852	ns	
		FST 1 Immobility Time (sec) (AD)	Two-way ANOVA	Time x Genotype/Drug	1.088	40,250	0.3405	ns	S3F
				Time	49.08	5,250	<0.0001	****	
				Genotype/Drug	2.477	8,50	0.0240	*	
			Dunnett's multiple comparisons test	AD: Sal vs. AD: K10 1x	-	-	0.2493	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9012	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9023	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9966	ns	
				AD: Sal vs. AD: P1.5	-	-	0.0925	ns	
				AD: Sal vs. AD: P3	-	-	0.9993	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.6595	ns	
	FST 2	FST 2 Immobility Time (sec) (Ctrl)	Two-way ANOVA	Time x Drug	1.011	40,280	0.4585	ns	S3G
				Time	8.475	5,280	<0.0001	****	
				Drug	1.513	8,56	0.1736	ns	
		FST 2 Immobility Time (sec) (AD)	Two-way ANOVA	Time x Drug	1	40,250	0.5373	ns	S3H
				Time	7	5,250	<0.0001	****	
				Drug	1.586	8,50	0.1530	ns	
			Mixed-effects model (REML)	Time x Genotype/Drug	1.69	221,1357	<0.0001	****	
				Time	8.075	13,1357	<0.0001	****	
				Genotype/Drug	13.3	17,105	<0.0001	****	
			Tukey's multiple comparisons test (Day 1)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.1365	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9049	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.8423	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9991	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.1117	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.8477	ns	
				AD: Sal vs. AD: P1.5	-	-	0.4698	ns	
				AD: Sal vs. AD: P3	-	-	0.9995	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9682	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0022	****	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	>0.9999	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0039	**	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0002	****	
				Ctrl: P3 vs. AD: P3	-	-	0.6967	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.3291	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.6084	ns	
			Tukey's multiple comparisons test (Day 2)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.1022	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.7631	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.7643	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9988	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.4634	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.98	ns	
				AD: Sal vs. AD: P1.5	-	-	0.6956	ns	
				AD: Sal vs. AD: P3	-	-	0.9935	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9867	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0005	***	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	>0.9999	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0036	**	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0006	***	
				Ctrl: P3 vs. AD: P3	-	-	0.5306	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.5566	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.2335	ns	
			Tukey's multiple comparisons test (Day 3)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.0742	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.6634	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9604	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9891	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.6787	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9992	ns	
				AD: Sal vs. AD: P1.5	-	-	0.5348	ns	
				AD: Sal vs. AD: P3	-	-	0.7995	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9388	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0002	***	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	>0.9999	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0023	**	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0002	***	
				Ctrl: P3 vs. AD: P3	-	-	0.616	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.1456	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.145	ns	
			Tukey's multiple comparisons test (Day 4)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.1179	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.6405	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9415	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.7057	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9983	ns	
				AD: Sal vs. AD: P1.5	-	-	0.5021	ns	
				AD: Sal vs. AD: P3	-	-	0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9998	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.984	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.002	**	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	>0.9999	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.003	**	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0011	**	
				Ctrl: P3 vs. AD: P3	-	-	0.3049	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.1301	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.2551	ns	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.1492	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.6985	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.938	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.2258	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9953	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
	Weight	Weight (g)	Tukey's multiple comparisons test (Day 5)	AD: Sal vs. AD: K30 2x	-	-	0.9511	ns	data not shown
				AD: Sal vs. AD: P1.5	-	-	0.675	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9985	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0334	*	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.9994	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0027	**	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
			Tukey's multiple comparisons test (Day 6)	Ctrl: P1.5 vs. AD: P1.5	-	-	0.026	*	
				Ctrl: P3 vs. AD: P3	-	-	0.3302	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.3384	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.1827	ns	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.056	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9978	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.6763	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9246	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.1063	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9919	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.8577	ns	
				AD: Sal vs. AD: P1.5	-	-	0.5348	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9997	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0509	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	>0.9999	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0025	**	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0213	*	
				Ctrl: P3 vs. AD: P3	-	-	0.4408	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.5457	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.1144	ns	
			Tukey's multiple comparisons test (Day 7)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.1322	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9996	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.7574	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9789	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.157	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9996	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.844	ns	
				AD: Sal vs. AD: P1.5	-	-	0.1403	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0369	*	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.9984	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0053	**	
			Tukey's multiple comparisons test (Day 8)	Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0006	***	
				Ctrl: P3 vs. AD: P3	-	-	0.3548	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.4277	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0494	*	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.0037	**	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9974	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.7472	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9544	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.3121	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9998	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.8499	ns	
				AD: Sal vs. AD: P1.5	-	-	0.4173	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9991	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
			Tukey's multiple comparisons test (Day 8)	Ctrl: Sal vs. AD: Sal	-	-	0.0158	*	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	>0.9999	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.003	**	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0026	**	
				Ctrl: P3 vs. AD: P3	-	-	0.3034	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.2363	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
			Tukey's multiple comparisons test (Day 9)	Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0544	ns	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.1529	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9994	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.6536	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.968	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.4516	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9908	ns	
				AD: Sal vs. AD: P1.5	-	-	0.4805	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0039	**	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.9281	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0015	**	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0016	**	
				Ctrl: P3 vs. AD: P3	-	-	0.327	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.2598	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0022	**	
			Tukey's multiple comparisons test (Day 10)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.1497	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9977	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.7156	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9684	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.5112	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9778	ns	
				AD: Sal vs. AD: P1.5	-	-	0.8753	ns	
				AD: Sal vs. AD: P3	-	-	0.9993	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0045	**	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.9977	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0008	***	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0156	*	
				Ctrl: P3 vs. AD: P3	-	-	0.6788	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.3969	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0833	ns	
			Tukey's multiple comparisons test (Day 11)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.034	*	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9794	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.4947	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.7185	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.3481	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9988	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9156	ns	
				AD: Sal vs. AD: P1.5	-	-	0.8079	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0049	**	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	>0.9999	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.002	**	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0241	*	
				Ctrl: P3 vs. AD: P3	-	-	0.335	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.4381	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0569	ns	
			Tukey's multiple	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.0324	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9669	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.503	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9509	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.7699	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9872	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
Chronic, 2 Month Female			comparisons test (Day 12)	AD: Sal vs. AD: P1.5	-	-	0.8817	ns	
				AD: Sal vs. AD: P3	-	-	0.9998	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0042	**	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	>0.9999	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.0003	***	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0051	**	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0349	*	
			Tukey's multiple comparisons test (Day 13)	Ctrl: P3 vs. AD: P3	-	-	0.6009	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.3671	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0547	ns	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.0755	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9941	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.3578	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.929	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.939	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9998	ns	
				AD: Sal vs. AD: P1.5	-	-	0.96	ns	
				AD: Sal vs. AD: P3	-	-	0.9629	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9948	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0002	***	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.9995	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0078	**	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0203	*	
				Ctrl: P3 vs. AD: P3	-	-	0.5705	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.2288	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0914	ns	
			Tukey's multiple comparisons test (Day 14)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.0999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9818	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.5922	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9629	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.7492	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9996	ns	
				AD: Sal vs. AD: P1.5	-	-	0.6645	ns	
				AD: Sal vs. AD: P3	-	-	0.9854	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9911	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0004	***	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.9995	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0026	**	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	<0.0001	****	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0009	***	
				Ctrl: P3 vs. AD: P3	-	-	0.4984	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.3291	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.1189	ns	
		Change in Body Weight (%)	Two-way ANOVA	Genotype x Drug	0.721	8,100	0.0094	**	
				Genotype	0.4446	1,100	0.5064	ns	
				Drug	2.107	8,100	0.0418	*	
			Šidák's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.4984	ns	S4B
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.1371	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.8007	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.8337	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.6782	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.976	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9621	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.3	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9993	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.2073	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9973	ns	
				AD: Sal vs. AD: P3	-	-	0.9971	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.8561	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9965	ns	
			Two-way ANOVA	Time x Genotype/Drug	2.206	32,236	0.0004	***	
				Time	123.3	4,236	<0.0001	****	
				Genotype/Drug	3.093	8,59	0.0056	**	
			Dunnnett's multiple	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
	CFC Training	Training Freezing (%) (Ctrl)	Dunnett's multiple comparisons test (Min 1)	Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	data not shown
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
			Dunnett's multiple comparisons test (Min 2)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
			Dunnett's multiple comparisons test (Min 3)	Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
			Dunnett's multiple comparisons test (Min 4)	Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9995	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	>0.9999	ns	
			Dunnett's multiple comparisons test (Min 5)	Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9995	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.8827	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.1535	ns	
		Training Freezing (%) (AD)	Two-way ANOVA	Time x Genotype/Drug	1.547	32,200	0.0386	*	data not shown
				Time	54.27	4,200	<0.0001	****	
				Genotype/Drug	1.464	8,50	0.1942	ns	
			Dunnett's multiple comparisons test (Min 1)	AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
			Dunnett's multiple comparisons test (Min 2)	AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
			Dunnett's multiple comparisons test (Min 3)	AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
			Dunnett's multiple comparisons test (Min 4)	AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9613	ns	
			Dunnett's multiple comparisons test (Min 5)	AD: Sal vs. AD: K30 1x	-	-	0.358	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.0404	*	
				AD: Sal vs. AD: P1.5	-	-	0.9342	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
			Two-way ANOVA	Genotype x Drug	3.324	8,109	0.0019	**	
				Genotype	10.05	1,109	0.002	**	
				Drug	1.039	8,109	0.4112	ns	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9958	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.862	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.4853	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.8912	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
		Average Freezing (%)	Tukey's multiple comparisons test	Ctrl: Sal vs. Ctrl: P3	-	-	0.1637	ns	S4C
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9994	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.4705	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9996	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9992	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.7483	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.997	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.037	*	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.1999	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.0005	***	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.9334	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.097	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0086	**	
				Ctrl: P3 vs. AD: P3	-	-	0.6626	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.0067	**	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.4812	ns	
	CFC Re-exposure	Re-exposure Freezing (%) (Ctrl)	Two-way ANOVA	Time x Genotype/Drug	1.658	16,118	0.0646	ns	data not shown
				Time	21.66	2,118	<0.0001	****	
				Genotype/Drug	1.674	8,59	0.1239	ns	
		Re-exposure Freezing (%) (AD)	Two-way ANOVA	Time x Genotype/Drug	0.9793	16,100	0.4849	ns	data not shown
				Time	24.73	2,100	<0.0001	****	
				Genotype/Drug	1.001	8,50	0.4469	ns	
		Average Freezing (%)	Two-way ANOVA	Genotype x Drug	1.201	8,109	0.3052	ns	S4D
				Genotype	6.635	1,109	0.0113	*	
				Drug	1.665	8,109	0.1151	ns	
			Šidák's multiple comparisons test	Ctrl: Sal vs. AD: Sal	-	-	0.6062	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.9996	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.2755	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	>0.9999	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.87	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.2101	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.9994	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.9325	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	>0.9999	ns	
		Immobility Time (sec) (Ctrl)	Two-way ANOVA	Time x Genotype/Drug	1.667	40,295	0.0096	**	data not shown
				Time	30.98	5,295	<0.0001	****	
				Genotype/Drug	1.593	8,59	0.1466	ns	
			Dunnnett's multiple comparisons test (Min 1)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.2853	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.851	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.0068	**	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.6101	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.144	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9978	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.2416	ns	
			Dunnnett's multiple comparisons test (Min 2)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.0627	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.8602	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.6936	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.2058	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.0281	*	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.0401	*	
			Dunnnett's multiple comparisons test (Min 3)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.9512	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9832	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.7908	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.2512	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.3894	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.9079	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.994	ns	
			Dunnnett's multiple comparisons test (Min 4)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.9857	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.8402	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.7217	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.1361	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.7217	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9998	ns	
			Dunnnett's multiple comparisons test (Min 5)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.732	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9253	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9997	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.7007	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.9456	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9061	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.5623	ns	
			Dunnnett's multiple comparisons test (Min 6)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.9991	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9994	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9295	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9328	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.7282	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	>0.9999	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
	FST 1	Immobility Time (sec) (AD)	Two-way ANOVA	Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.213	ns	data not shown
				Time x Genotype/Drug	3.484	40,250	<0.0001	****	
				Time	71.32	5,250	<0.0001	****	
				Genotype/Drug	2.435	8,50	0.0263	*	
			Dunnett's multiple comparisons test (Min 1)	AD: Sal vs. AD: K10 1x	-	-	0.8798	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.995	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9942	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.7868	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9982	ns	
				AD: Sal vs. AD: P3	-	-	0.0239	*	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.4497	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.997	ns	
			Dunnett's multiple comparisons test (Min 2)	AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9332	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9975	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9873	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9994	ns	
				AD: Sal vs. AD: P3	-	-	0.9944	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9663	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
			Dunnett's multiple comparisons test (Min 3)	AD: Sal vs. AD: K10 1x	-	-	0.9872	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.3895	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9982	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.2601	ns	
				AD: Sal vs. AD: P1.5	-	-	0.0166	*	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.8559	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.996	ns	
			Dunnett's multiple comparisons test (Min 4)	AD: Sal vs. AD: K10 1x	-	-	0.0251	*	
				AD: Sal vs. AD: K10 2x	-	-	0.9935	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.1874	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9998	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9802	ns	
				AD: Sal vs. AD: P3	-	-	0.4775	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.2074	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.2328	ns	
			Dunnett's multiple comparisons test (Min 5)	AD: Sal vs. AD: K10 1x	-	-	0.0167	*	
				AD: Sal vs. AD: K10 2x	-	-	0.9438	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.1878	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9744	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.8572	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.6525	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.1912	ns	
			Dunnett's multiple comparisons test (Min 6)	AD: Sal vs. AD: K10 1x	-	-	0.8711	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.8473	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.8201	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.4379	ns	
				AD: Sal vs. AD: P1.5	-	-	0.3487	ns	
				AD: Sal vs. AD: P3	-	-	0.9664	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.3202	ns	
		Average Immobility Time (sec) (min 3-6)	Two-way ANOVA	Genotype x Drug	3.043	8,109	0.004	**	S4E
				Genotype	0.3056	1,109	0.5815	ns	
				Drug	3.506	8,109	0.0012	**	
			Dunnett's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.916	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9992	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9749	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9972	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.7489	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.7145	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.7036	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.0317	**	
				AD: Sal vs. AD: K10 2x	-	-	0.999	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.4715	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.5155	ns	
				AD: Sal vs. AD: P1.5	-	-	0.2979	ns	
				AD: Sal vs. AD: P3	-	-	0.9827	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9564	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.1909	ns	
		Immobility Time (sec) (Ctrl)	Two-way ANOVA	Time x Genotype/Drug	1.145	40,295	0.262	ns	data not shown
				Time	16.15	5,295	<0.0001	****	
			Dunnett's multiple comparisons test	Genotype/Drug	1.913	8,59	0.0748	ns	
				Time x Genotype/Drug	1.272	40,250	0.1390	ns	
				Time	15.9	5,250	<0.0001	****	
				Genotype/Drug	2.14	8,50	0.0489	*	
				AD: Sal vs. AD: K10 1x	-	-	0.6041	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.6793	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.8717	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.7272	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9789	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.8515	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
		Immobility Time (sec) (AD)	Two-way ANOVA	Genotype x Drug	2.541	8,138	0.0130	*	data not shown
				Genotype	0.0724	1,138	0.7883	ns	
				Drug	1.708	8,138	0.1016	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
		Average Immobility Time (sec) (min 3-6)	Dunnett's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.4241	ns	S4F
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9916	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.4268	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.1844	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.0566	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9942	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.1383	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9823	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.8259	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9119	ns	
				AD: Sal vs. AD: P1.5	-	-	0.8412	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.8788	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.998	ns	
	MB	Marbles Buried (%)	Two-way ANOVA	Genotype x Drug	1.1953	8,101	0.0601	ns	S4G
				Genotype	5.492	1,101	0.0211	*	
				Drug	1.44	8,101	0.1891	ns	
			Šidák's multiple comparisons test	Ctrl: Sal vs. AD: Sal	-	-	0.6725	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.9837	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.7107	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.6778	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.9987	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	>0.9999	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.0627	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.3526	ns	
	CFC Training	Training Freezing (%) (Ctrl)	Two-way ANOVA	Time x Drug	1.106	32,256	0.3257	ns	S5A
				Time	59.15	4,256	<0.0001	****	
				Drug	7.58	8,64	<0.0001	****	
			Dunnett's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.9977	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	<0.0001	****	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.9854	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.8367	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.6026	ns	
		Training Freezing (%) (AD)	Two-way ANOVA	Time x Drug	0.4331	32,268	0.9971	ns	S5B
				Time	84.9	4,268	<0.0001	****	
				Drug	1.087	8,67	0.3829	ns	
				Time x Drug	0.5437	16,128	0.9187	ns	S5C
	CFC Re-exposure	Re-exposure Freezing (%) (Ctrl)	Two-way ANOVA	Time	42.13	2,128	<0.0001	****	
				Drug	2.528	8,64	0.0186	*	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
			Dunnett's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9931	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.2443	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.7526	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.8131	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.2342	ns	
		Re-exposure Freezing (%) (AD)	Two-way ANOVA	Time x Drug	1.343	16,134	0.1808	ns	S5D
				Time	38.25	2,134	<0.0001	****	
				Drug	2.934	8,67	0.0072	**	
			Dunnett's multiple comparisons test	AD: Sal vs. AD: K10 1x	-	-	0.1273	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9986	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.8136	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	0.3872	ns	
				AD: Sal vs. AD: P3	-	-	0.7135	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.0286	*	
			Two-way ANOVA	Time x Drug	1.805	40,315	0.0031	**	
				Time	63.23	5,315	<0.0001	****	
				Drug	4.407	8,63	0.0003	***	
			Dunnett's multiple comparisons test (Min 1)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.7482	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9997	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.6114	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.5708	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.3018	ns	
			Dunnett's multiple comparisons test (Min 2)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.0621	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9978	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9991	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.0641	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.9994	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.0569	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.2907	ns	
			Dunnett's multiple comparisons test (Min 3)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.5868	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9789	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.5224	ns	
			Dunnett's multiple comparisons test (Min 4)	Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.1071	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
Chronic, 6 Month Male	FST 1	Immobility Time (sec) (Ctrl)	comparisons test (min 3)	Ctrl: Sal vs. Ctrl: P1.5	-	-	0.5457	ns	S5E
				Ctrl: Sal vs. Ctrl: P3	-	-	0.6067	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.2876	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9985	ns	
			Dunnett's multiple comparisons test (Min 4)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.1725	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9984	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.0245	*	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.1587	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.0749	ns	
			Dunnett's multiple comparisons test (Min 5)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.0074	**	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9787	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9401	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.0428	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.005	**	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.0183	*	
			Dunnett's multiple comparisons test (Min 6)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.7412	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.0301	*	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9993	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.0198	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.007	**	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.0227	*	
		Immobility Time (sec) (AD)	Two-way ANOVA	Time x Drug	1.587	40,335	0.0166	*	S5F
				Time	69.76	5,335	<0.0001	***	
				Drug	4.304	8,67	0.0003	***	
				AD: Sal vs. AD: K10 1x	-	-	0.9987	ns	
			Dunnett's multiple comparisons test (Min 1)	AD: Sal vs. AD: K10 2x	-	-	0.996	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9998	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9973	ns	
				AD: Sal vs. AD: P1.5	-	-	0.984	ns	
				AD: Sal vs. AD: P3	-	-	0.9818	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.8512	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.7007	ns	
			Dunnett's multiple comparisons test (Min 2)	AD: Sal vs. AD: K10 1x	-	-	0.8892	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.2956	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9967	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.832	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.3378	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.022	*	
			Dunnett's multiple comparisons test (Min 3)	AD: Sal vs. AD: K10 1x	-	-	0.9897	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.1974	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.6888	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.8492	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9993	ns	
				AD: Sal vs. AD: P3	-	-	0.6739	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.5059	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.2442	ns	
			Dunnett's multiple comparisons test (Min 4)	AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.3582	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.0239	*	
				AD: Sal vs. AD: K30 2x	-	-	0.2496	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9733	ns	
				AD: Sal vs. AD: P3	-	-	0.1229	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.8117	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.2654	ns	
			Dunnett's multiple comparisons test (Min 5)	AD: Sal vs. AD: K10 1x	-	-	0.4135	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.0005	***	
				AD: Sal vs. AD: K30 1x	-	-	0.0683	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.0007	***	
				AD: Sal vs. AD: P1.5	-	-	0.6201	ns	
				AD: Sal vs. AD: P3	-	-	0.0749	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.4055	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.045	*	
			Dunnett's multiple comparisons test (Min 6)	AD: Sal vs. AD: K10 1x	-	-	0.4721	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.0221	*	
				AD: Sal vs. AD: K30 1x	-	-	0.4837	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.0795	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.0448	*	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.2584	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.6104	ns	
	FST 2	Immobility Time (sec) (AD)	Two-way ANOVA	Time x Drug	1.494	40,315	0.033	*	
				Time	17.54	5,315	<0.0001	***	
				Drug	7.959	8,63	<0.0001	***	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.5039	ns	
			Dunnett's multiple comparisons test (Min 1)	Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.0005	***	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.8808	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9984	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.0452	*	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	

Table S02: Statistical Analysis

Table S02: Statistical Analysis										
Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.	
	FST 2	Immobility Time (sec) (Ctrl)	Dunnett's multiple comparisons test (Min 2)	Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	<0.0001	****	S5G	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.0217	*		
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.0302	*		
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	<0.0001	****		
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.0107	**		
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.847	ns		
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.0003	**		
				Ctrl: Sal vs. Ctrl: P3	-	-	0.9517	ns		
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.0001	***		
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.0607	ns		
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.5665	ns		
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	<0.0001	****		
			Dunnett's multiple comparisons test (Min 3)	Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.1733	ns		
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.3659	ns		
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.0364	*		
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns		
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.034	*		
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns		
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.5551	ns		
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.0008	***		
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.0827	ns		
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.8803	ns		
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.0096	**		
			Dunnett's multiple comparisons test (Min 4)	Ctrl: Sal vs. Ctrl: P3	-	-	0.9864	ns		
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.009	**		
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9647	ns		
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.3996	ns		
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.0003	***		
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.3269	ns		
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9998	ns		
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.1096	ns		
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns		
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.032	*		
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.973	ns		
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns		
			Dunnett's multiple comparisons test (Min 5)	Ctrl: Sal vs. Ctrl: K10 2x	-	-	<0.0001	****		
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.2734	ns		
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9909	ns		
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.4366	ns		
				Ctrl: Sal vs. Ctrl: P3	-	-	0.9972	ns		
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	<0.0001	****		
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.7357	ns		
				Time x Drug	1.287	40,335	0.1226	ns		
			Two-way ANOVA	Time	24.02	5,335	<0.0001	****		
				Drug	2.664	8,67	0.0133	*		
				Dunnett's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999		ns
					Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.0309		*
					Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.1256		ns
		Ctrl: Sal vs. Ctrl: K30 2x			-	-	0.2752	ns		
		Ctrl: Sal vs. Ctrl: P1.5			-	-	0.9997	ns		
		Ctrl: Sal vs. Ctrl: P3			-	-	0.2533	ns		
		Ctrl: Sal vs. Ctrl: K10 1x + P1.5			-	-	0.9777	ns		
		Ctrl: Sal vs. Ctrl: K10 1x + P3			-	-	>0.9999	ns		
Immobility Time (sec) (AD)		Time x Genotype/Drug			1.551	221,1664	<0.0001	****	S5H	
		Time			16.84	13,1664	<0.0001	****		
		Genotype/Drug			13.25	17,129	<0.0001	****		
Tukey's multiple comparisons test (Day 1)	Ctrl: Sal vs. Ctrl: K10 1x	-	-		>0.9999	ns				
	Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns					
	Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns					
	Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9616	ns					
	Ctrl: Sal vs. Ctrl: P1.5	-	-	0.986	ns					
	Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns					
	Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.975	ns					
	Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns					
	AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns					
	AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns					
	AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns					
	AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns					
	AD: Sal vs. AD: P1.5	-	-	>0.9999	ns					
	AD: Sal vs. AD: P3	-	-	0.9765	ns					
	AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9243	ns					
	AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns					
	Ctrl: Sal vs. AD: Sal	-	-	<0.0001	****					
	Ctrl: K10 1x vs. AD: K10 1x	-	-	0.1581	ns					
	Ctrl: K10 2x vs. AD: K10 2x	-	-	0.001	****					
	Ctrl: K30 1x vs. AD: K30 1x	-	-	0.2504	ns					
	Ctrl: K30 2x vs. AD: K30 2x	-	-	0.7153	ns					
	Ctrl: P1.5 vs. AD: P1.5	-	-	<0.0001	****					
	Ctrl: P3 vs. AD: P3	-	-	0.0339	*					
	Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	<0.0001	****					
	Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0287	*					
	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns					
	Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns					
	Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns					
	Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9945	ns					
	Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9829	ns					
	Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns					

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
			Tukey's multiple comparisons test (Day 2)	Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9909	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9994	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.9983	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.945	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9998	ns	
				Ctrl: Sal vs. AD: Sal	-	-	<0.0001	****	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.1722	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.2335	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.6028	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	<0.0001	****	
				Ctrl: P3 vs. AD: P3	-	-	0.0179	*	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	<0.0001	****	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0089	****	
			Tukey's multiple comparisons test (Day 3)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9589	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9942	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9801	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9998	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.9985	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.8817	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9997	ns	
				Ctrl: Sal vs. AD: Sal	-	-	<0.0001	****	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.1581	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.3967	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.7543	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	<0.0001	****	
				Ctrl: P3 vs. AD: P3	-	-	0.0218	*	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	<0.0001	****	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0064	**	
			Tukey's multiple comparisons test (Day 4)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.8904	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9688	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9921	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.9759	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.76	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9969	ns	
				Ctrl: Sal vs. AD: Sal	-	-	<0.0001	****	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.2531	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.6639	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.9686	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	<0.0001	****	
				Ctrl: P3 vs. AD: P3	-	-	0.0662	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	<0.0001	****	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0064	**	
			Tukey's multiple comparisons test (Day 5)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9011	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9994	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9804	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.9658	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.8695	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	<0.0001	****	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.3856	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.0001	***	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
		Weight (g)		Ctrl: K30 1x vs. AD: K30 1x	-	-	0.7238	ns	data not shown
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.9822	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	<0.0001	****	
				Ctrl: P3 vs. AD: P3	-	-	0.0546	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	<0.0001	****	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0132	*	
			Tukey's multiple comparisons test (Day 6)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.8401	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9998	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9934	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.9994	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.8668	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	<0.0001	****	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.4531	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.9185	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.9651	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	<0.0001	****	
				Ctrl: P3 vs. AD: P3	-	-	0.0349	*	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	<0.0001	****	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0042	**	
			Tukey's multiple comparisons test (Day 7)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9083	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9989	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9899	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9994	ns	
				AD: Sal vs. AD: K30 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.9912	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.7848	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	<0.0001	****	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.3826	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.911	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.923	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	<0.0001	****	
				Ctrl: P3 vs. AD: P3	-	-	0.0642	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	<0.0001	****	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0034	**	
			Tukey's multiple comparisons test (Day 8)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9521	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9961	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.767	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.996	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9996	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.9857	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.8565	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	<0.0001	****	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.9528	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.9323	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.8244	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	<0.0001	****	
				Ctrl: P3 vs. AD: P3	-	-	0.0422	*	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	<0.0001	****	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.01	*	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9998	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.8477	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9957	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
Chronic, 6 Month Female			Tukey's multiple comparisons test (Day 9)	Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9998	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9847	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9985	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.7705	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9998	ns	
				Ctrl: Sal vs. AD: Sal	-	-	<0.0001	****	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.3915	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.9728	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.8297	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	<0.0001	****	
				Ctrl: P3 vs. AD: P3	-	-	0.0139	*	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	<0.0001	****	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0059	**	
			Tukey's multiple comparisons test (Day 10)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9653	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9986	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9997	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9987	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9973	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.9749	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.8091	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9985	ns	
				Ctrl: Sal vs. AD: Sal	-	-	<0.0001	****	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.2594	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.9547	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.9458	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	<0.0001	****	
				Ctrl: P3 vs. AD: P3	-	-	0.1023	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	<0.0001	****	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0036	**	
			Tukey's multiple comparisons test (Day 11)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.977	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9988	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9998	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9982	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9988	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.9829	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.7868	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9963	ns	
				Ctrl: Sal vs. AD: Sal	-	-	<0.0001	****	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.1931	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.929	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.9406	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	<0.0001	****	
				Ctrl: P3 vs. AD: P3	-	-	0.0844	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	<0.0001	****	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0022	**	
			Tukey's multiple comparisons test (Day 12)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9666	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9978	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9995	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9314	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9998	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.9997	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.3282	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.978	ns	
				Ctrl: Sal vs. AD: Sal	-	-	<0.0001	****	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.2354	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.9867	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.9885	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	<0.0001	****	
				Ctrl: P3 vs. AD: P3	-	-	0.1308	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	<0.0001	****	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0037	**	
			Tukey's multiple comparisons test (Day 13)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9988	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9994	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9942	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.8878	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9993	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.4106	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9559	ns	
				Ctrl: Sal vs. AD: Sal	-	-	<0.0001	****	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.197	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.9788	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.9164	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	<0.0001	****	
				Ctrl: P3 vs. AD: P3	-	-	0.0705	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	<0.0001	****	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0037	**	
			Tukey's multiple comparisons test (Day 14)	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9972	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9981	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.5772	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9974	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.3505	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.971	ns	
				Ctrl: Sal vs. AD: Sal	-	-	<0.0001	****	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.086	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	<0.0001	****	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.9958	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.7667	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	<0.0001	****	
				Ctrl: P3 vs. AD: P3	-	-	0.0405	*	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	<0.0001	****	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.0082	**	
		Change in Weight (%)	Two-way ANOVA	Genotype x Drug	2.156	8,116	0.0359	*	S6B
				Genotype	0.2723	1,116	0.6028	ns	
				Drug	2.377	8,116	0.0208	*	
			Tukey's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9921	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.9075	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9952	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	0.9928	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9656	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9995	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.0544	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.996	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9824	ns	
				AD: Sal vs. AD: P3	-	-	0.6457	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.6626	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.5412	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.806	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.4198	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.4465	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0005	***	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.8382	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.7724	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.3219	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.3168	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.2684	ns	
		Training Freezing (%) (Ctrl)	Two-way ANOVA	Time x Drug	1.175	32,260	0.2452	ns	data not shown
				Time	91.52	4,260	<0.0001	****	
		Training Freezing (%) (ADN)	Two-way ANOVA	Drug	1.75	8,65	0.1036	ns	data not shown
				Time x Drug	1.415	32,276	0.0747	ns	
				Time	41.83	4,276	<0.0001	****	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
Male	CFC Training	Training Average Freezing (%)	Two-way ANOVA	Drug	0.7915	8,69	0.6118	ns	S6C
				Genotype x Drug	0.6395	8,134	0.7434	ns	
				Genotype	12.89	1,134	0.0005	**	
			Šidák's multiple comparisons test	Drug	1.823	8,134	0.0780	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.965	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.3767	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.0849	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.9973	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.9993	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.2745	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.5559	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.9897	ns	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	>0.9999	ns	
	CFC Re-exposure	Re-exposure Freezing (%) (Ctrl)	Two-way ANOVA	Time x Drug	0.999	16,130	0.462	ns	data not shown
				Time	45301	2,130	<0.0001	****	
				Drug	1.165	8,65	0.334	ns	
		Re-exposure Freezing (%) (AD)	Two-way ANOVA	Time x Drug	0.8268	16,138	0.6535	ns	data not shown
				Time	50.97	2,138	<0.0001	****	
				Drug	2.377	8,69	0.0253	*	
			Dunnett's multiple comparisons test	AD: Sal vs. AD: K10 1x	-	-	0.2386	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.0065	**	
				AD: Sal vs. AD: K30 1x	-	-	0.7619	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.6758	ns	
				AD: Sal vs. AD: P1.5	-	-	0.6704	ns	
				AD: Sal vs. AD: P3	-	-	0.1624	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9991	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.9998	ns	
		Re-exposure Average Freezing (%)	Two-way ANOVA	Genotype x Drug	2.037	8,134	0.0466	*	S6D
				Genotype	16.89	1,134	<0.0001	****	
				Drug	1.453	8,134	0.1803	ns	
			Šidák's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.8827	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9973	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.6738	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.0216	*	
				AD: Sal vs. AD: K30 1x	-	-	0.9975	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9859	ns	
				AD: Sal vs. AD: P1.5	-	-	0.9864	ns	
				AD: Sal vs. AD: P3	-	-	0.4674	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0024	**	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.4713	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.3731	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.0393	*	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.0724	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.1145	ns	
				Ctrl: P3 vs. AD: P3	-	-	0.2366	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.002	**	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.2143	ns	
Female	FST 1	Immobility Time (sec) (Ctrl)	Two-way ANOVA	Time x Drug	0.9016	40,325	0.6438	ns	data not shown
				Time	20.5	5,325	<0.0001	****	
		Immobility Time (sec) (AD)	Two-way ANOVA	Drug	1.87	8,65	0.08	ns	data not shown
				Time x Drug	0.8676	40,345	0.7007	ns	
		Average Immobility Time (min 3-6) (sec)	Two-way ANOVA	Time	72.97	5,345	<0.0001	****	S6E
				Drug	1.618	8,69	0.1358	ns	
			Tukey's multiple comparisons test	Genotype x Drug	2.569	8,134	0.0122	*	
				Genotype	0.6176	1,134	0.4333	ns	
				Drug	0.7522	8,134	0.6454	ns	
				Ctrl: Sal vs. Ctrl: K10 1x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	>0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.957	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.9999	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.5095	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.7551	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.9953	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 2x	-	-	0.9941	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9984	ns	
				AD: Sal vs. AD: K30 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: P1.5	-	-	0.0977	ns	
				AD: Sal vs. AD: P3	-	-	0.9923	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9998	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	>0.9999	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.235	ns	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.4118	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.737	ns	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.3715	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.3073	ns	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0005	***	
				Ctrl: P3 vs. AD: P3	-	-	0.0884	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.3296	ns	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
	FST 2	Immobility Time (sec) (Ctrl)	Two-way ANOVA	Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.628	ns	data not shown
				Time x Drug	1.319	40,325	0.1019	ns	
				Time	7.765	5,325	<0.0001	****	
				Drug	4.041	8,65	0.0006	***	
			Dunnett's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.9025	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9966	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.989	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.0801	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.5903	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.3661	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.0028	**	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
		Immobility Time (sec) (AD)	Two-way ANOVA	Time x Drug	1.227	40,345	0.171	ns	data not shown
				Time	29.73	5,345	<0.0001	****	
				Drug	2.539	8,69	0.0174	*	
				AD: Sal vs. AD: K10 1x	-	-	>0.9999	ns	
			Dunnett's multiple comparisons test	AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9503	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.6068	ns	
				AD: Sal vs. AD: P1.5	-	-	0.0573	ns	
				AD: Sal vs. AD: P3	-	-	0.0292	*	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.8121	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.1132	ns	
		Average Immobility Time (min 3-6) (sec)	Two-way ANOVA	Genotype x Drug	4.005	8,134	0.0003	***	S6F
				Genotype	0.3375	1,134	0.5622	ns	
				Drug	2.986	8,134	0.0041	**	
			Tukey's multiple comparisons test	Ctrl: Sal vs. Ctrl: K10 1x	-	-	0.9675	ns	
				Ctrl: Sal vs. Ctrl: K10 2x	-	-	0.9999	ns	
				Ctrl: Sal vs. Ctrl: K30 1x	-	-	0.9997	ns	
				Ctrl: Sal vs. Ctrl: K30 2x	-	-	0.1401	ns	
				Ctrl: Sal vs. Ctrl: P1.5	-	-	0.8693	ns	
				Ctrl: Sal vs. Ctrl: P3	-	-	0.8133	ns	
				Ctrl: Sal vs. Ctrl: K10 1x + P1.5	-	-	0.0029	**	
				Ctrl: Sal vs. Ctrl: K10 1x + P3	-	-	>0.9999	ns	
				AD: Sal vs. AD: K10 1x	-	-	0.9998	ns	
				AD: Sal vs. AD: K10 2x	-	-	>0.9999	ns	
				AD: Sal vs. AD: K30 1x	-	-	0.9993	ns	
				AD: Sal vs. AD: K30 2x	-	-	0.9096	ns	
				AD: Sal vs. AD: P1.5	-	-	0.155	ns	
				AD: Sal vs. AD: P3	-	-	0.3295	ns	
				AD: Sal vs. AD: K10 1x + P1.5	-	-	0.9752	ns	
				AD: Sal vs. AD: K10 1x + P3	-	-	0.6862	ns	
				Ctrl: Sal vs. AD: Sal	-	-	0.0283	*	
				Ctrl: K10 1x vs. AD: K10 1x	-	-	0.3634	ns	
				Ctrl: K10 2x vs. AD: K10 2x	-	-	0.0109	*	
				Ctrl: K30 1x vs. AD: K30 1x	-	-	0.8228	ns	
				Ctrl: K30 2x vs. AD: K30 2x	-	-	0.0367	*	
				Ctrl: P1.5 vs. AD: P1.5	-	-	0.0384	*	
				Ctrl: P3 vs. AD: P3	-	-	0.2107	ns	
				Ctrl: K10 1x + P1.5 vs. AD: K10 1x + P1.5	-	-	0.0032	**	
				Ctrl: K10 1x + P3 vs. AD: K10 1x + P3	-	-	0.6077	ns	
	MB	Marbles Buried (%)	Two-way ANOVA	Genotype x Drug	0.5133	8,110	0.8442	ns	S6G
				Genotype	0.3185	1,110	0.5736	ns	
				Drug	2.69	8,110	0.0097	**	
				Sal vs. K10 1x	-	-	0.0112	*	
			Dunnett's multiple comparisons test	Sal vs. K10 2x	-	-	>0.9999	ns	
				Sal vs. K30 1x	-	-	0.123	ns	
				Sal vs. K30 2x	-	-	0.4815	ns	
				Sal vs. P1.5 7X	-	-	0.9591	ns	
				Sal vx. P3 7x	-	-	0.1485	ns	
				Sal vs. K10 1x + P1.5 7x	-	-	>0.9999	ns	
				Sal vs. K10 1x + P3 7x	-	-	>0.9999	ns	
Chronic, Aged Male	CFC Training	Training Freezing (%)	Two-way ANOVA	Time x Drug	0.2229	16,100	0.9993	ns	S7B
		Training Average Freezing (%)	One-way ANOVA	Time	21.18	4,100	<0.0001	****	
				Drug	0.4742	4,100	0.7546	ns	
	CFC Re-exposure	Re-exposure Freezing (%)	Two-way ANOVA	Time x Drug	0.6104	8,60	0.7656	ns	S7D
				Time	23.77	2,60	<0.0001	****	
			Dunnett's multiple comparisons test	Drug	2.672	4,60	0.0405	*	
				Sal vs. K10 2x	-	-	0.3456	ns	
				Sal vs. P1.5	-	-	0.6596	ns	
				Sal vs. K10 2x + P1.5	-	-	0.8584	ns	
				Sal vs. K10 2x + P3	-	-	0.5037	ns	
		Re-exposure Average Freezing (%)	One-way ANOVA	Drug	1.419	4,20	0.2641	ns	S7E
	FST Day 1	Immobility Time (sec)	Two-way ANOVA	Time x Drug	0.8991	20,120	0.5888	ns	S7F
				Time	29.47	5,120	<0.0001	****	
				Drug	0.6699	4,120	0.6204	ns	
	FST Day 2	Immobility Time (sec)	One-way ANOVA	Drug	0.3314	4,120	0.8536	ns	S7G
			Two-way ANOVA	Time x Drug	0.4284	20,120	0.9842	ns	S7H
				Time	15.86	5,120	<0.0001	****	
				Drug	3.513	4,120	0.0095	**	
			Dunnett's multiple comparisons test	Sal vs. K10 2x	-	-	0.1204	ns	
				Sal vs. P1.5	-	-	0.1977	ns	
				Sal vs. K10 2x + P1.5	-	-	0.0016	**	

Table S02: Statistical Analysis

Sex	Behavioral Paradigm / Region	Measurement	Statistical test	Comparison	F	° of freedom	p	*	Fig.
				Sal vs. K10 2x + P3	-	-	0.0361	*	
		Immobility Time min3-6 (sec)	One-way ANOVA	Drug	1.33	4,20	0.2932	ns	S7I
	MB	Marbles Buried (%)	One-way ANOVA	Drug	1.364	4,20	0.2818	ns	S7J
	Weight	Weight (g)	Two-way ANOVA	Time x Drug	0.9597	88,460	0.5836	ns	S7K
				Time	0.9794	22,460	0.4894	ns	
				Drug	1.281	4,60	0.2765	ns	
		Weight Change (%)	One-way ANOVA	Drug	0.8196	4,20	0.5279	ns	S7L