

Supplementary Table 1.

cohort	condition	mice/condition	behavior	c-Fos	physiology	cohort total
1	H2O	12	12	6	6	40
	VNL	15	15	6	9	
	TMT	13	13	6	7	
2	H2O	5			5	10
	VNL	1			1	
	TMT	4			4	
3	H2O	16	16		8	32
	TMT	16	16		8	
						82

Sample sizes for the experiments are illustrated in the Table. All mice in Cohort 1 were used for initial behavioral characterization, and further used for either c-Fos immunohistochemistry or physiology. Cohort 2 was used in physiology experiments that were not included in behavior. Cohort 3 was used for the CP154526 (versus saline) i.p. injection behavioral studies, and half were used for physiology.