

		Sample		Statistics			
Fig. 2	Brain area	Odor	Sample size	Comparison	p-value	Effect size	
Fig. 2b	pPir	H2O	6				
		Rabbit urine	5	vs H2O	> 0.999	0.40	
		Bobcat urine	6	vs H2O	0.147	0.92	
		TMT	6	vs H2O	0.371	0.72	
	LEnt	H2O	6				
		Rabbit urine	5	vs H2O	0.898	-0.63	
		Bobcat urine	6	vs H2O	> 0.999	-0.01	
		TMT	6	vs H2O	> 0.999	0.10	
	ACo	H2O	6				
		Rabbit urine	5	vs H2O	> 0.999	0.22	
		Bobcat urine	6	vs H2O	0.937	-0.47	
		TMT	6	vs H2O	> 0.999	-0.10	
PLCo	H2O	6					
	Rabbit urine	5	vs H2O	0.743	0.93		
	Bobcat urine	6	vs H2O	0.971	0.74		
	TMT	6	vs H2O	> 0.999	0.68		
AmPir	H2O	6					
	Rabbit urine	5	vs H2O	> 0.999	0.24		
	Bobcat urine	6	vs H2O	0.011	3.43		
	TMT	6	vs H2O	0.005	2.63		
MEAA	H2O	6					
	Rabbit urine	5	vs H2O	> 0.999	0.31		
	Bobcat urine	6	vs H2O	> 0.999	0.71		
	TMT	6	vs H2O	0.849	0.74		
MEAp	H2O	6					
	Rabbit urine	5	vs H2O	0.885	-0.50		
	Bobcat urine	6	vs H2O	> 0.999	-0.41		
	TMT	6	vs H2O	> 0.999	-0.06		
PMCo	H2O	6					
	Rabbit urine	5	vs H2O	> 0.999	-0.33		
	Bobcat urine	6	vs H2O	> 0.999	-0.38		
	TMT	6	vs H2O	> 0.999	-0.27		
Fig. 3	AAV injection	CNO or Saline	Sample size	Comparison	p-value	Effect size	
	pPir	Saline	5	vs Saline	0.247	-0.90	
Fig. 3e	AmPir	Saline	6	vs Saline	0.026	1.68	
	MEA	Saline	6	vs Saline	0.026	1.54	
Fig. 3g	pPir	Saline	4	vs Saline	0.046	2.28	
	AmPir	Saline	4	vs Saline	0.020	3.06	
Fig. 3i	MEA	Saline	4	vs Saline	0.028	2.82	
	AmPir	Saline	6	vs Saline	0.041	1.38	
Fig. 4	AAV injection	Odor	CNO or Saline	Sample size	Comparison	p-value	Effect size
	AmPir	Bobcat urine	Saline	6	vs Saline	0.026	-2.08
Fig. 4d	AmPir	TMT	Saline	6	vs Saline	0.014	-1.49
	PLCo	Bobcat urine	Saline	7	vs Saline	0.836	-0.13
Fig. 4e	AmPir	Bobcat urine	Saline	5	vs Saline	< 0.001	-4.87
	AmPir	TMT	Saline	6	vs Saline	0.036	-1.60
Fig. 4f	PLCo	Bobcat urine	Saline	7	vs Saline	0.702	-0.21
	PMCo	Bobcat urine	Saline	6	vs Saline	0.044	-1.33
Fig. 4g	AmPir	TMT	Saline	6	vs Saline	0.035	-1.34
	PLCo	Bobcat urine	Saline	7	vs Saline	0.766	-0.18
Fig. 4g	AmPir	Bobcat urine	Saline	6	vs Saline	0.533	-0.91
	AmPir	TMT	Saline	6	vs Saline	0.629	-0.74

		Sample		Statistics		
Ext. Data Fig. 4	Brain area	Subdivision	Sample size	Comparison	p-value	Effect size
Ext. Data Fig. 4f	pPir	Anterior	4			
		Posterior	4	vs Anterior	< 0.001	22.63
Ext. Data Fig. 4g	AmPir	Anterior	4			
		Posterior	4	vs Anterior	0.002	10.54
Ext. Data Fig. 4h	MEA	AD	4	AD vs AV	0.690	-1.13
		AV	4	AD vs PD	0.316	1.52
		PD	4	AD vs PV	0.002	3.68
		PV	4	AV vs PD	0.064	3.07
					AV vs PV	0.001
			PD vs PV	0.030	2.44	
Ext. Data Fig. 6	Odor	Sample size	Comparison	p-value	Effect size	
Ext. Data Fig. 6b	H2O	6				
	Rabbit urine	6	vs H2O	0.417	-0.64	
	Bobcat urine	6	vs H2O	< 0.001	6.44	
Ext. Data Fig. 6c	H2O	6				
	Rabbit urine	6	vs H2O	1.000	-0.11	
	Bobcat urine	6	vs H2O	0.035	2.07	
Ext. Data Fig. 6d	H2O	6				
	Rabbit urine	6	vs H2O	> 0.999	0.68	
	Bobcat urine	6	vs H2O	0.008	3.37	
Ext. Data Fig. 9	Brain area	CNO or Saline	Sample size	Comparison	p-value	Effect size
	AmPir	Saline	6	vs Saline	< 0.001	-6.22
		CNO	6	vs Saline	0.033	-1.43
Ext. Data Fig. 9b	PLCo	Saline	6	vs Saline	0.355	-0.56
	PMCo	Saline	6	vs Saline	0.002	-3.21
	PLCo	CNO	6	vs Saline	0.340	-0.58
Ext. Data Fig. 9c	PMCo	Saline	6	vs Saline	0.234	-0.73
	AmPir	Saline	7	vs Saline	0.314	-0.58
	PLCo	Saline	7	vs Saline	0.012	-1.71
Ext. Data Fig. 9d	PLCo	CNO	6	vs Saline	0.080	-1.30
	PMCo	Saline	7	vs Saline		

Supplementary Table 1 | Statistical Analyses. Shown for each Figure with statistical analyses are the number of animals (sample size), p-values, and effect sizes for individual experiments. Standard deviation units are used for the effect sizes.