

**Supplementary Table S1.** Effects of D1R compounds on oral stereotypies in DDD mice<sup>a</sup>.

Drug <sup>c,d</sup>	Oral Stereotypy <sup>b</sup>	
	OF <sup>d,e,f</sup>	CM <sup>d,e,f</sup>
Vehicle	0.5 ±0.21	0.1 ±0.09
5 SKF	2.4 ±0.48 <sup>g</sup>	1.8 ±0.27 <sup>ggg</sup>
5 MLM	1.9 ±0.43	3.1 ±0.60 <sup>gg</sup>
10 MLM	1.9 ±0.34 <sup>g</sup>	3.0 ±0.59 <sup>gg</sup>

<sup>a</sup>DDD mice were treated with 125 mg/kg AMPT plus 6/12.5 mg/kg L-DOPA/ Benz and tested with compounds (Figure 1A).

<sup>b</sup>Behaviors were scored beginning at 5-min after drug administration at 10-min intervals over 85 min.

<sup>c</sup>Doses of drugs (in order): 5 mg/kg SKF81297, 5 mg/kg MLM55-38, and 10 mg/kg MLM55-38.

<sup>d</sup>Abbreviations: OF, open field; CM, circular maze; SKF, SKF81297; MLM, MLM55-38.

<sup>e</sup>ANOVA: OF [drug:  $F(3,39)=7.077$ ,  $P=0.014$ ], Welch ANOVA CM [drug:  $F(3,16.473)=21.686$ ,  $P<0.001$ ].

<sup>f</sup>Results presented as means ±SEMs; N=10-11 mice/group (OF) and N=9-11 mice/group (CM).

<sup>g</sup> $P<0.05$ , <sup>gg</sup> $P<0.01$ , <sup>ggg</sup> $P<0.001$ , vehicle vs. drug groups within test context.