

Figure(s)	Effect	F (df, error)	P
2	genotype x AMPH dose x time effect (GG corrected)	$F_{(3.72, 169.63)} = 3.668$	$P < 0.01$
2	AMPH dose x time effect (GG corrected)	$F_{(3.72, 169.63)} = 36.678$	$P < 0.0001$
3A and 3B	genotype x access x self-administration session effect (GG corrected)	$F_{(3.500, 175.012)} = 3.951$	$P < 0.01$
3A vs 3B	access x self-administration session effect (GG corrected)	$F_{(3.500, 175.012)} = 15.663$	$P < 0.001$
3A	genotype x self-administration session effect (GG corrected)	not significant: n.s.	$P > 0.05$
3B	genotype x self-administration session effect (GG corrected)	$F_{(3.322, 83.058)} = 4.621$	$P < 0.01$
4A	access, genotype access x genotype	$F_{(2,57)}=3.46$, $p=0.038$ $F_{(1,57)}=25.57$ $F_{(2,57)}=18.20$	$P < 0.05$ $P < 0.0001$ $P < 0.0001$
4B	access, genotype access x genotype	$F_{(2,55)}=311.50$ $F_{(1,55)}=83.97$ $F_{(2,55)}=7.425$	$P < 0.0001$ $P < 0.0001$ $P < 0.01$
5A	access, genotype access x genotype	$F_{(2,57)}=10.94$ $F_{(1,57)}=9.349$ $F_{(2,57)}=3.444$	$P < 0.0001$ $P < 0.01$ $P < 0.05$
5B	access, access x genotype	$F_{(2,56)}=5.055$ $F_{(2,56)}=3.347$	$P < 0.01$ $P < 0.05$
6A	genotype, access x genotype	$F_{(1,57)}=4.544$ $F_{(2,57)}=8.103$	$P < 0.05$ $P < 0.001$
6B	access, genotype access x genotype	$F_{(2,53)}=3.314$ $F_{(1,53)}=20.53$ $F_{(2,53)}=4.675$	$P < 0.05$ $P < 0.0001$ $P < 0.05$
6C	access, access x genotype	$F_{(2,57)}=5.137$ $F_{(2,57)}=11.36$	$P < 0.01$ $P < 0.0001$
6D	genotype	$F_{(1,55)}=19.76$	$P < 0.0001$
6E	genotype, access x genotype	$F_{(1,56)}=12.21$ $F_{(2,56)}=10.41$	$P < 0.001$ $P < 0.001$
6F	access	$F_{(2,56)}=15.03$	$P < 0.0001$
7A	access, access x genotype	$F_{(2,56)}=9.318$ $F_{(2,56)}=4.476$	$P < 0.001$ $P < 0.05$
8A	access x genotype	$F_{(2,57)}=16.03$	$P < 0.0001$
8B	access, genotype access x genotype	$F_{(2,57)}=17.17$ $F_{(1,57)}=17.81$ $F_{(2,57)}=3.571$	$P < 0.0001$ $P < 0.0001$ $P < 0.05$
8C	genotype, access x genotype	$F_{(1,57)}=13.09$ $F_{(2,57)}=13.79$	$P < 0.001$ $P < 0.0001$
8D	access, genotype access x genotype	$F_{(2,58)}=4.995$ $F_{(1,58)}=15.09$ $F_{(2,58)}=3.301$	$P < 0.05$ $P < 0.001$ $P < 0.05$
9A	access, access x genotype	$F_{(2,57)}=4.464$ $F_{(2,57)}=5.152$	$P < 0.05$ $P < 0.01$
9B	access, access x genotype	$F_{(2,57)}=7.647$ $F_{(2,57)}=15.86$	$P < 0.01$ $P < 0.0001$
9C	access, access x genotype	$F_{(1,58)}=5.822$ $F_{(2,58)}=4.385$	$P < 0.01$ $P < 0.05$
9D	access, access x genotype	$F_{(1,57)}=3.795$ $F_{(2,57)}=7.230$	$P < 0.05$ $P < 0.01$

Supplementary table 1. F and p values of both behavioral and molecular data presented in the results section.