

Supplementary Material 3. Overall session, group, and session by group interaction effects comparing 14 frequent and 11 occasional cannabis smokers following controlled smoking of a 6.8% THC cannabis cigarette.

	Session	Group	Session × Group Interaction
Psychomotor Control and Divided Attention			
Lambda-c	$F_{(4,80)}=0.739, p=0.568$	$F_{(1,20)}=0.183, p=0.674$	$F_{(4,80)}=0.962, p=0.433$
False Alarms	$F_{(4,92)}=2.67, p<0.05$	$F_{(1,23)}=4.01, p=0.057$	$F_{(4,92)}=2.554, p<0.05$
Reaction Time	$F_{(3.3,75.7)}=2.65, p<0.05$	$F_{(1,23)}=2.07, p=0.164$	$F_{(3.3,75.7)}=3.047, p<0.05$
Hits	$F_{(2.4,57.3)}=2.48, p=0.081$	$F_{(1,23)}=5.67, p<0.05$	$F_{(2.5,57.3)}=1.96, p=0.140$
Control Losses	$F_{(1.6,36.6)}=0.187, p=0.175$	$F_{(1,23)}=1.54, p=0.227$	$F_{(1.6,36.6)}=0.729, p=0.460$
Tracking Error	$F_{(4,92)}=0.922, p=0.455$	$F_{(1,23)}=4.03, p=0.056$	$F_{(4,92)}=0.950, p=0.439$
n-back			
1-back Accuracy	$F_{(3.5,76.1)}=1.19, p=0.321$	$F_{(1,22)}=0.030, p=0.864$	$F_{(3.5,76.2)}=0.677, p=0.589$
2-back Accuracy	$F_{(3.5,76.5)}=3.06, p<0.05$	$F_{(1,22)}=0.033, p=0.858$	$F_{(3.5,76.5)}=1.49, p=0.219$
3-back Accuracy	$F_{(4,88)}=0.822, p=0.514$	$F_{(1,22)}=2.53, p=0.126$	$F_{(4,88)}=0.132, p=0.970$
1-back Reaction Time	$F_{(4,88)}=3.34, p<0.05$	$F_{(1,22)}=0.630, p=0.436$	$F_{(4,88)}=0.730, p=0.574$
2-back Reaction Time	$F_{(4,88)}=2.61, p<0.05$	$F_{(1,22)}=0.286, p=0.598$	$F_{(4,88)}=2.23, p=0.072$
3-back Reaction Time	$F_{(4,88)}=0.702, p=0.593$	$F_{(1,22)}=0.231, p=0.635$	$F_{(4,88)}=1.27, p=0.290$
1-back Errors of Commission	$F_{(4,88)}=0.685, p=0.604$	$F_{(1,22)}=0.548, p=0.467$	$F_{(4,88)}=0.651, p=0.628$
2-back Errors of Commission	$F_{(2.3,49.9)}=0.580, p=0.585$	$F_{(1,22)}=0.369, p=0.550$	$F_{(2.3,49.9)}=0.614, p=0.565$
3-back Errors of Commission	$F_{(3.4,75.1)}=1.06, p=0.378$	$F_{(1,22)}=0.123, p=0.729$	$F_{(3.4,75.1)}=0.264, p=0.874$
BART			
Adjusted pump number	$F_{(4,88)}=3.72, p<0.01$	$F_{(1,22)}=0.001, p=0.976$	$F_{(4,88)}=0.614, p=0.653$
VAS			
Good Drug Effect	$F_{(4,93)}=40.8, p<0.001$	$F_{(1,23)}=2.35, p=0.139$	$F_{(4.2,93.0)}=1.16, p=0.332$
Sedated	$F_{(2.3,52.0)}=12.0, p<0.001$	$F_{(1,23)}=1.63, p=0.214$	$F_{(2.3,51.9)}=0.720, p=0.508$
Stoned	$F_{(2.3,51.9)}=26.4, p<0.001$	$F_{(1,23)}=2.81, p=0.108$	$F_{(2.3,51.9)}=1.27, p=0.290$
Stimulated	$F_{(2.6,59.8)}=32.2, p<0.001$	$F_{(1,23)}=4.81, p<0.05$	$F_{(2.6,59.8)}=0.991, p=0.394$
High	$F_{(3.1,71.4)}=50.6, p<0.001$	$F_{(1,23)}=6.19, p<0.05$	$F_{(3.1,71.4)}=1.50, p=0.220$
Anxious	$F_{(2.8,64.2)}=7.11, p<0.001$	$F_{(1,23)}=0.682, p=0.417$	$F_{(2.8,64.2)}=3.46, p<0.05$
Restless	$F_{(4.3,98.2)}=1.62, p=0.171$	$F_{(1,23)}=0.528, p=0.475$	$F_{(4.3,98.2)}=0.855, p=0.500$
Physiological Measures			
Heart Rate	$F_{(4.4,100.3)}=17.9, p<0.001$	$F_{(1,23)}=13.8, p<0.01$	$F_{(4.4,100.3)}=3.66, p<0.01$
Systolic Blood Pressure	$F_{(4.9,113.2)}=4.00, p<0.01$	$F_{(1,23)}=4.29, p<0.05$	$F_{(4.9,113.2)}=2.67, p<0.05$
Diastolic Blood Pressure	$F_{(9,207)}=10.3, p<0.001$	$F_{(1,23)}=2.33, p=0.141$	$F_{(9,207)}=2.31, p<0.05$
Respiration	$F_{(9,207)}=0.746, p=0.666$	$F_{(1,23)}=1.75, p=0.199$	$F_{(9,207)}=0.774, p=0.641$