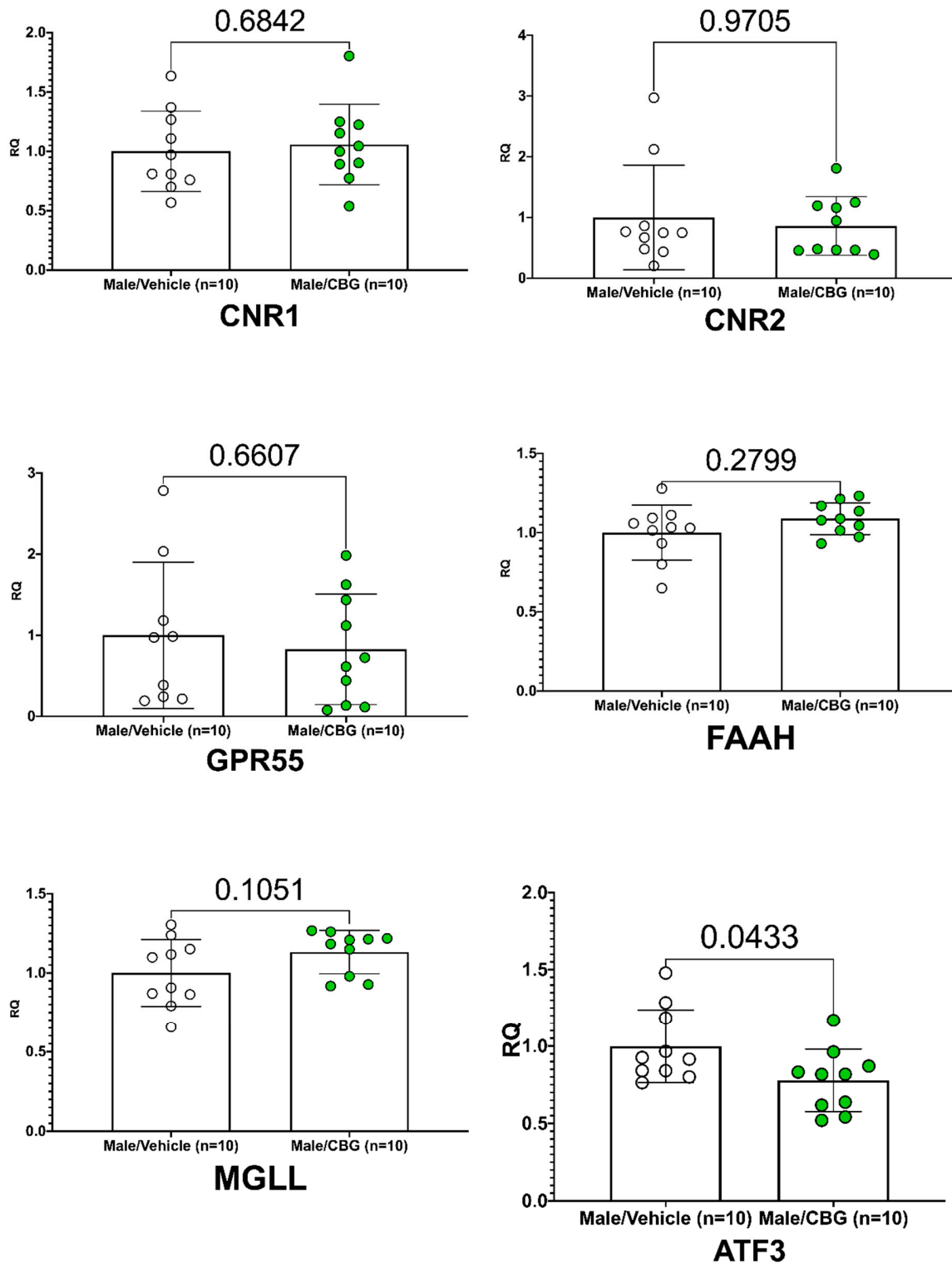
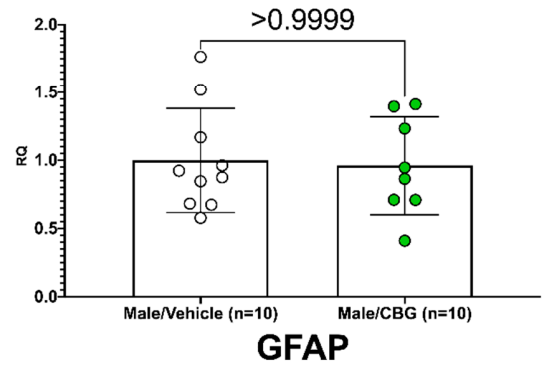
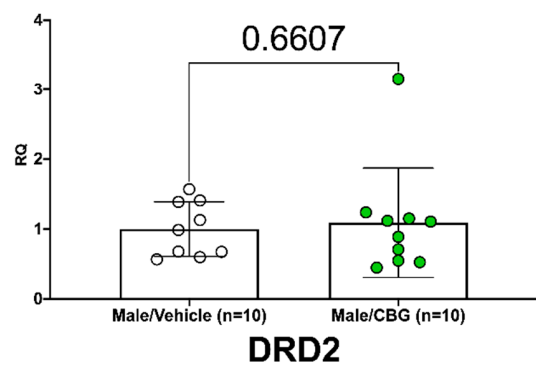
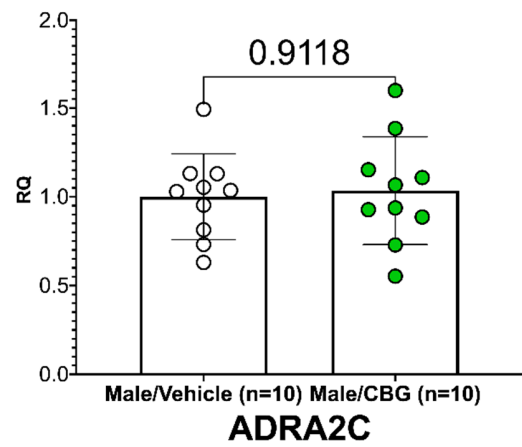
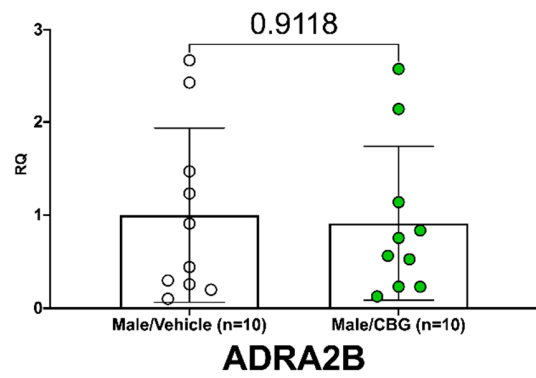
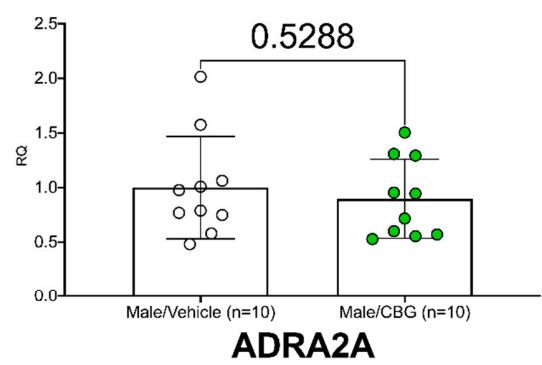
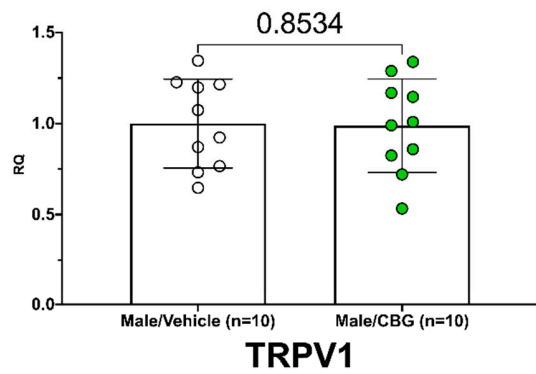


Table S1: TaqMan Gene Expression IDs for genes tested

Gene	Gene Name	TaqMan GEA ID
<i>ActB</i>	Beta-Actin	Mm02619580_g1
<i>CNR1</i>	Cannabinoid Receptor 1	Mm01212171_s1
<i>CNR2</i>	Cannabinoid Receptor 2	Mm02620087_s1
<i>GPR55</i>	G-protein coupled receptor 55	Mm02621622_s1
<i>FAAH</i>	Fatty Acid Amide Hydrolase	Mm00515684_m1
<i>MGLL</i>	Monoglyceride Lipase	Mm00449274_m1
<i>ATF3</i>	Activating Transcription Factor 3	Mm00476033_m1
<i>TRPV1</i>	Transient Receptor Potential Cation Channel Subfamily V Member 1	Mm01246300_m1
<i>ADRA2A</i>	Adrenergic Receptor 2A	Mm07295458_s1
<i>ADRA2B</i>	Adrenergic Receptor 2B	Mm00477390_s1
<i>ADRA2C</i>	Adrenergic Receptor 2C	Mm00431686_s1
<i>DRD2</i>	Dopamine Receptor D2	Mm00438545_m1
<i>GFAP</i>	Glial Fibrillary Acidic Protein	Mm01253033_m1
<i>OPRM1</i>	Mu Opioid Receptor 1	Mm01188089_m1
<i>PParG</i>	Peroxisome Proliferator Activated Receptor Gamma	Mm00440940_m1

Figure S1: qRT-PCR comparisons of gene expression in DRG (L3-L5) of male mice treated with 14 daily injections of CBG versus those treated with 14 daily injections of vehicle. Normalized to beta-actin. Statistical analyses performed by Mann-Whitney test, plotted mean with standard deviation. RQ; relative quotient





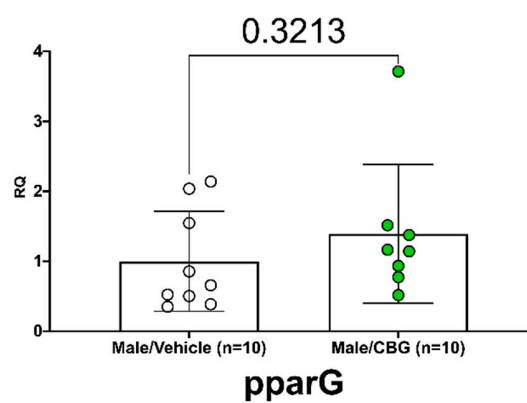
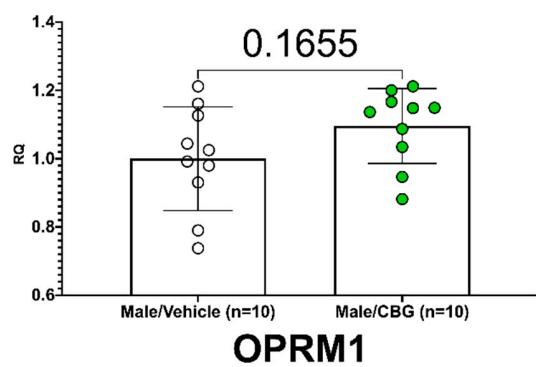
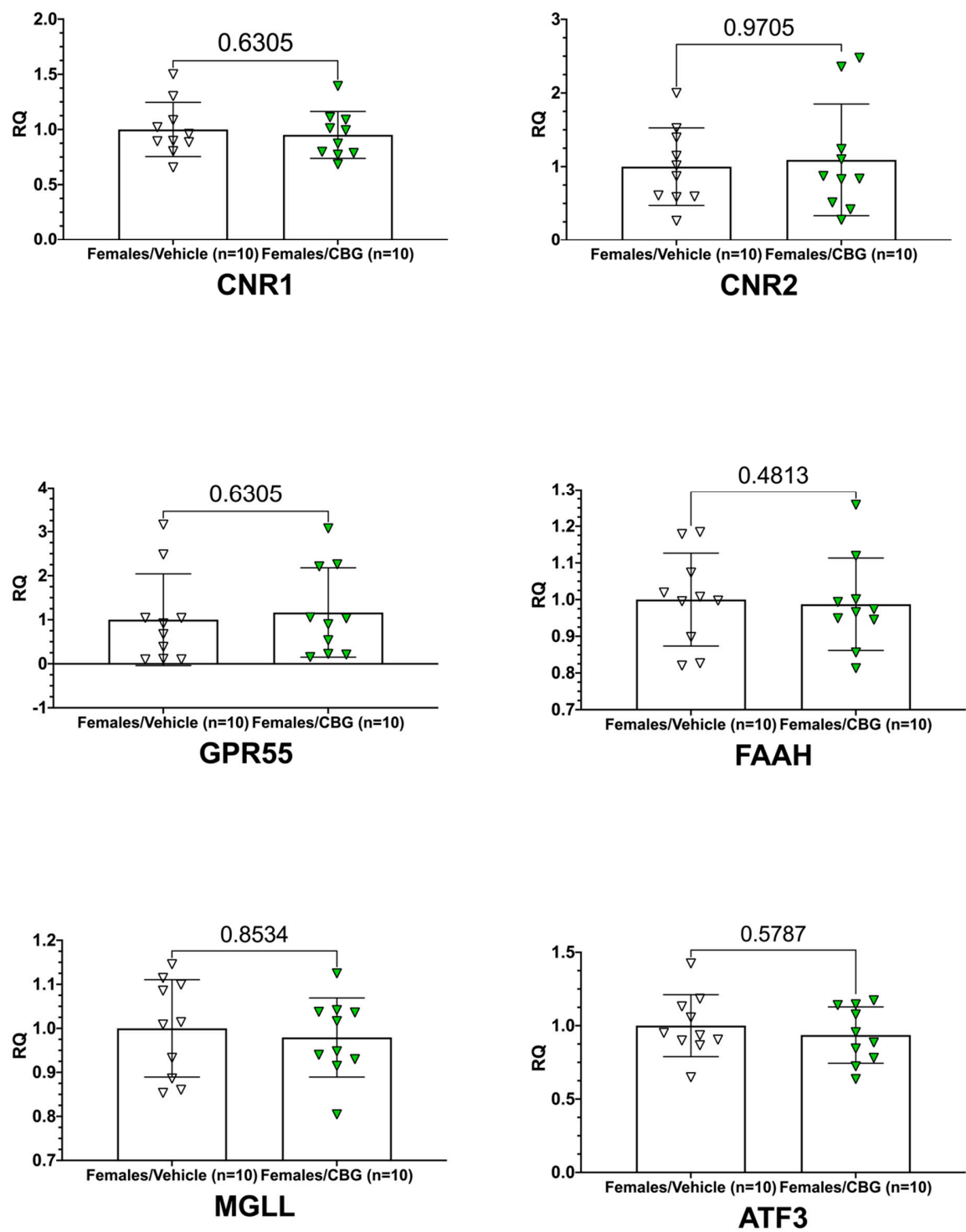
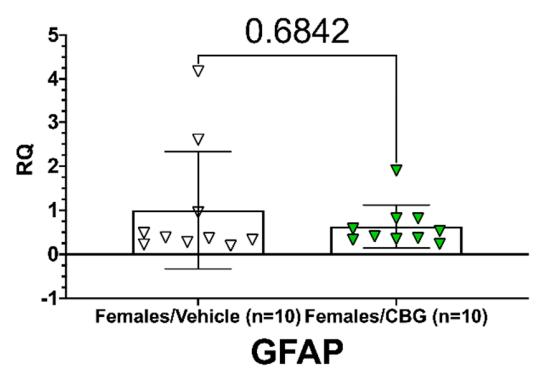
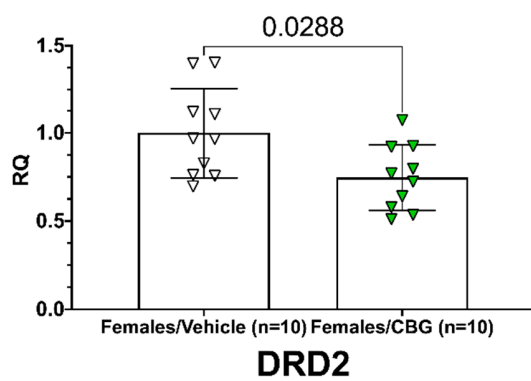
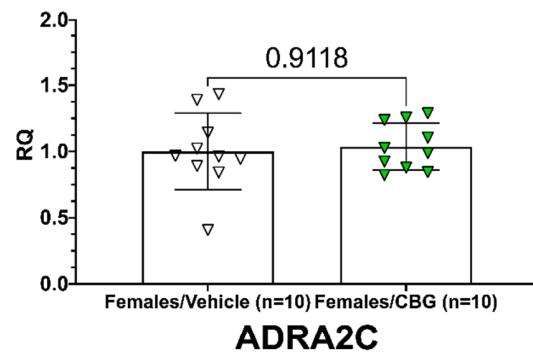
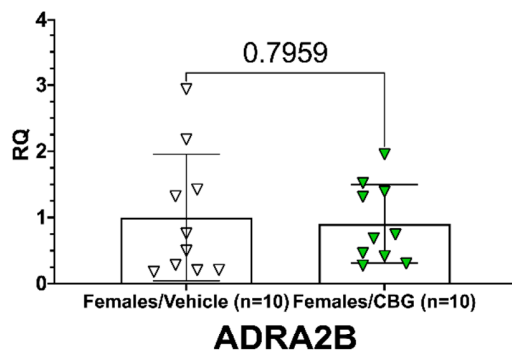
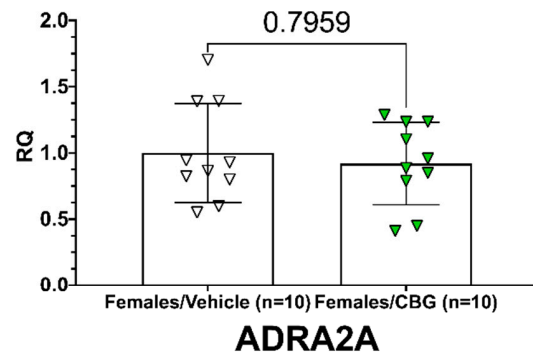
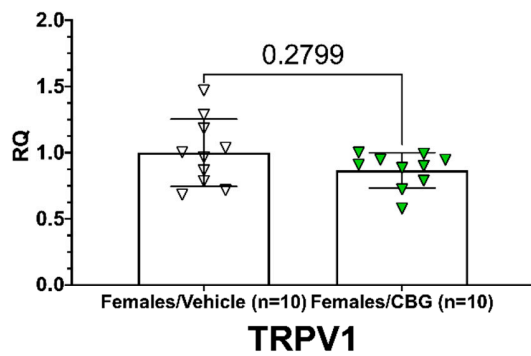


Figure S2: qRT-PCR comparisons of gene expression in DRG (L3-L5) of female mice treated with 14 daily injections of CBG versus those treated with 14 daily injections of vehicle. Normalized to beta-actin. Statistical analyses performed by Mann-Whitney test, plotted mean with standard deviation. RQ; relative quotient





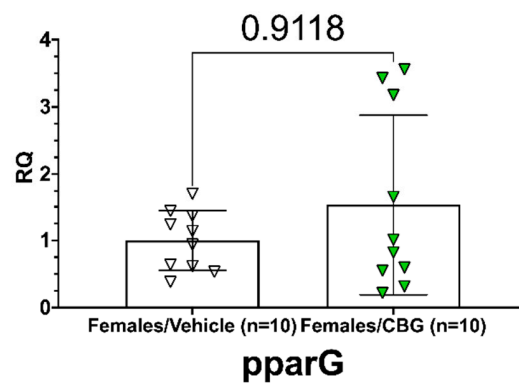
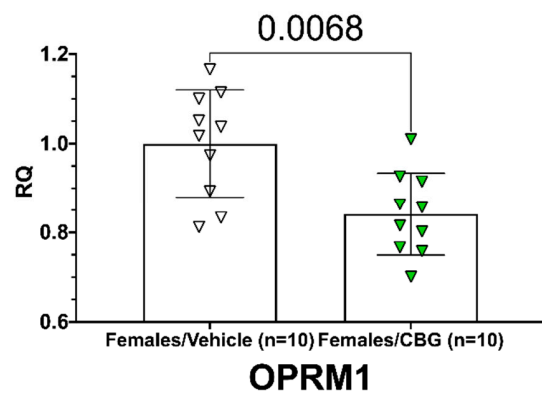


Figure S3. Baseline-corrected graph of von Frey recordings of individual male and female baseline scores over time and their acute response to cannabigerol or vehicle. Data gathered one hour after injection. M/Vehicle = Males receiving vehicle. M/CBG = Males receiving cannabigerol. F/Vehicle = Females receiving vehicle. F/CBG = Females receiving cannabigerol. Mean with standard deviation.

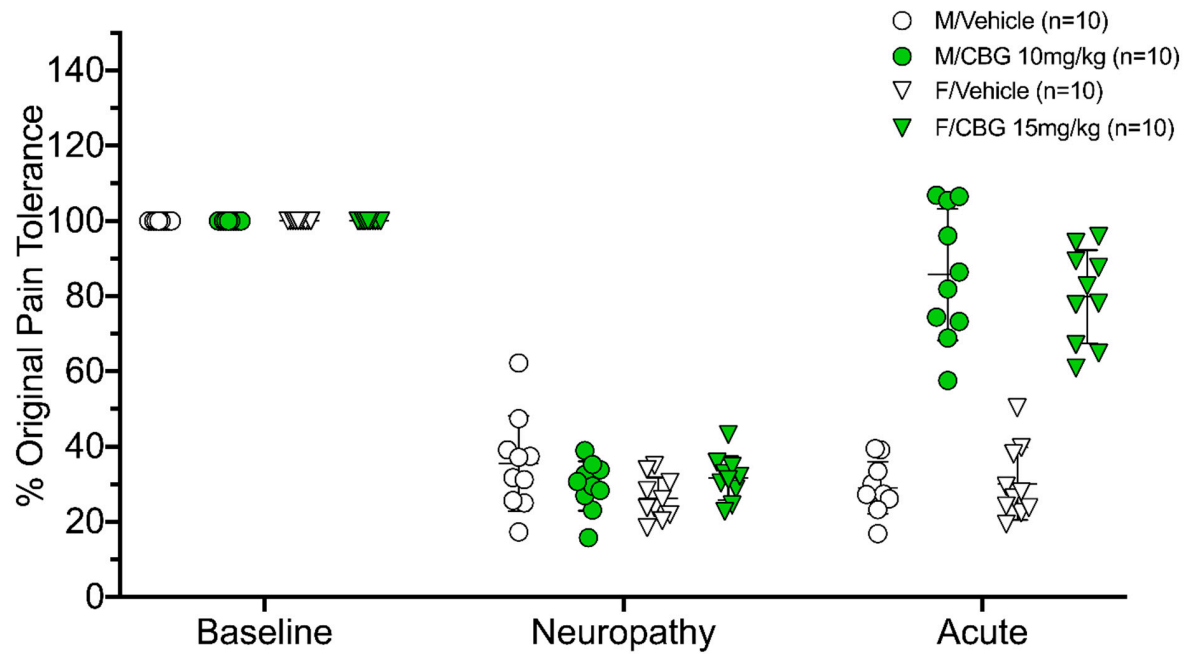


Figure S4. Baseline-corrected graph of von Frey recordings of individual male and female baseline scores over time and their chronic response to cannabigerol or vehicle. Data gathered twenty-four hours after seven and fourteen days of injections. M/Vehicle = Males receiving vehicle. M/CBG = Males receiving cannabigerol. F/Vehicle = Females receiving vehicle. F/CBG = Females receiving cannabigerol. Mean with standard deviation.

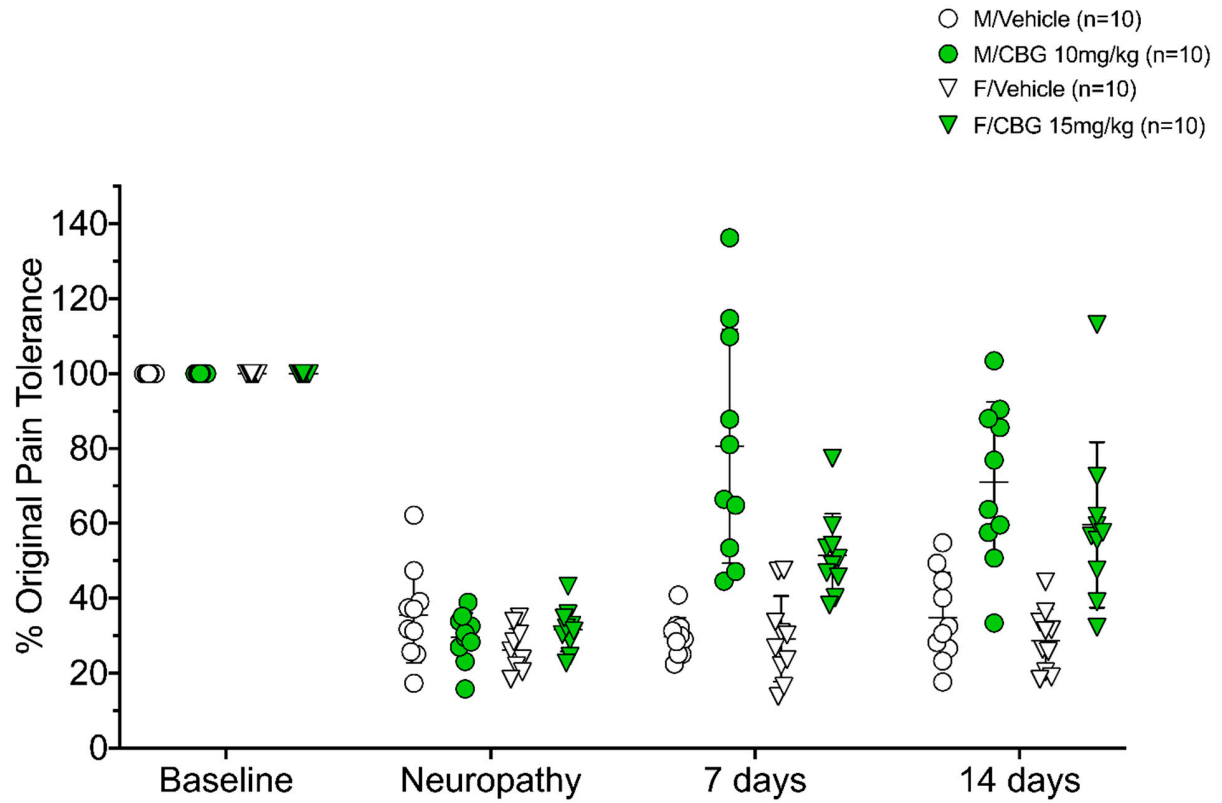


Figure S5. Weight over time in male (n=10 for vehicle and CBG) and female mice (n=10 for vehicle and CBG) receiving cannabigerol or vehicle treatments. Mice receiving CBG or vehicle did not experience any significant weight changes during treatment. CBG=Cannabigerol.

