Figure	p, F, η_p^2 stats: time	p, F, η_p^2 stats: Genotype	p, F, η_p^2 stats: Exposure	p, F, η_p^2 stats: Time X Genotype	p, F, η_p^2 stats: Time X Exposure	p, F, η_p^2 stats: Genoytpe X Exposure	p, F, η_p^2 stats: Time X Exposure X Genotype
3ac **Reg trace training** **Female**	**p < 0.001***** F(6.647,239.307) = 85.516, ηp2 = 0.704	**p = 0.002**** F(1,36) = 11.456 ηp2 = 0.241	p = 0.905 F(1,36) = 0.014 ηp2 < 0.001	**p < 0.001***** F(6.647,239.307) = 4.496 ηp2 = 0.111	p = 0.433 F(6.647,239.307) = 0.995 ηp2 = 0.027	p = 0.658 F(1,36) = 0.199 ηp2 = 0.006	p = 0.955 F(6.647,239.307) = 0.284 ηp2 = 0.008
3bd **Reg trace test** **Female**	**p < 0.001***** F(4.338,156.177) = 38.883 np2 = 0.519	**p < 0.001***** F(1,36) = 14.505 np2 = 0.287	**p = 0.033*** F(1,36) = 4.915 np2 = 0.12	**p = 0.001***** F(4.338,156.177) = 4.861 np2 = 0.119	**p = 0.015*** F(4.338,156.177) = 3.076 np2 = 0.079	p = 0.718 F(1,36) = 0.132 np2 = 0.004	p = 0.385 F(4.338,156.177) = 1.051 np2 = 0.028
3eg **Reg trace training** **Male**	**p < 0.001***** F(5.959,214.512) = 62.143 np2 = 0.633	**p = 0.002**** F(1,36) = 11.268 np2 = 0.238	p = 0.501 F(1,36) = 0.462 np2 = 0.013	**p = 0.001***** F(5.959,214.512) = 3.787 np2 = 0.095	p = 0.342 F(5.959,214.512) = 1.137 np2 = 0.031	**p = 0.036*** F(1,36) = 4.74 np2 = 0.116	p = 0.189 F(5.959,214.512) = 1.474 np2 = 0.039
3fh **Reg trace test** **Male**	**p < 0.001***** F(3.038,109.385) = 47.887 np2 = 0.571	**p = 0.006**** F(1,36) = 8.574 np2 = 0.192	p = 0.076 F(1,36) = 3.328 np2 = 0.085	p = 0.072 F(3.038,109.385) = 2.384 np2 = 0.062	p = 0.108 F(3.038,109.385) = 2.069 np2 = 0.054	p = 0.163 F(1,36) = 2.031 np2 = 0.053	p = 0.219 F(3.038,109.385) = 1.497 np2 = 0.040
4ac **Mod trace training** **Female**	**p < 0.001***** F(7.262,355.829) = 58.227 np2 = 0.543	p = 0.134 F(1,49) = 2.324 np2 = 0.045	p = 0.164 F(1,49) = 1.992 np2 = 0.039	p = 0.265 F(7.262,355.829) = 1.265 np2 = 0.025	p = 0.895 F(7.262,355.829) = 0.42 np2 = 0.009	p = 0.132 F(1,49) = 2.34 np2 = 0.046	p = 0.725 F(7.262,355.829) = 0.644 np2 = 0.013
4bd **Mod trace test** **Female**	**p < 0.001***** F(7.25,355.249) = 34.581 np2 = 0.414	p = 0.279 F(1,49) = 1.198 np2 = 0.024	p = 0.802 F(1,49) = 0.064 np2 = 0.001	p = 0.404 F(7.25,355.249) = 1.039 np2 = 0.021	p = 0.162 F(7.25,355.249) = 1.505 np2 = 0.030	p = 0.33 F(1,49) = 0.966 np2 = 0.019	p = 0.72 F(7.25,355.249) = 0.649 np2 = 0.013
4eg **Mod trace training** **Male**	**p < 0.001***** F(6.435,296.032) = 57.799 np2 = 0.557	p = 0.124 F(1,46) = 2.449 np2 = 0.051	p = 0.058 F(1,46) = 3.772 np2 = 0.076	p = 0.449 F(6.435,296.032) = 0.97 np2 = 0.021	p = 0.455 F(6.435,296.032) = 0.962 np2 = 0.02	p = 0.41 F(1,46) = 0.692 np2 = 0.015	p = 0.651 F(6.435,296.032) = 0.711 np2 = 0.015
4fh **Mod trace test** **Male**	**p < 0.001***** F(7.526,346.196) = 35.149 np2 = 0.433	**p = 0.021*** F(1,46) = 5.666 np2 = 0.110	p = 0.065 F(1,46) = 3.573 np2 = 0.072	**p < 0.001***** F(7.526,346.196) = 11.052 np2 = 0.194	p = 0.522 F(7.526,346.196) = 0.888 np2 = 0.019	p = 0.104 F(1,46) = 2.743 np2 = 0.056	**p = 0.003**** F(7.526,346.196) = 3.054 np2 = 0.062

Supplemental Table 5. Detailed statistics from BDNF genotype X exposure condition X time three-way repeated measures ANOVAs from both the regular and modified trace fear conditioning paradigms. Statistics presented include F ratios, p values, and effect size as partial eta squared (η_p^2).