

Supplementary Table 1. Statistical Analysis

1. Two-way ANOVA: Genotype and age effects.

Fig. 1b-e Effects of promoter IV- BDNF deficiency across ages			Genotype Effects	Age Effects	Genotype X Age Interactio ns	Test 2 hoc Bonferroni Test Genotype Effects			Test 2 hoc Bonferroni Test Aging Effects		
						ED	YA	OA	ED vs. YA	ED vs. OA	YA vs. OA
Male	OFT	Total Activity	$F_{(1,84)} =$ 54.9 $P < 0.001$	$F_{(2,84)} =$ 2.6 $P = 0.08$	$F_{(2,84)} =$ 2.6 $P = 0.08$	$T_{30} = 5.5$ $P < 0.001$	$T_{25} = 4.7$ $P < 0.001$	$T_{29} = 2.5$ $P < 0.05$	$T_{27} = 5.5$ $P > 0.05$	$T_{30} = 3.0$ $P < 0.05$	$T_{30} = 2.5$ $P > 0.05$
		Distance Moved	$F_{(1,86)} =$ 3.7 $P = 0.06$	$F_{(2,86)} =$ 0.25 $P = 0.78$	$F_{(2,86)} =$ 0.25 $P = 0.78$	$T_{30} = 1.3$ $P > 0.05$	$T_{26} = 1.5$ $P > 0.05$	$T_{30} = 0.6$ $P > 0.05$	$T_{28} = 0.3$ $P > 0.05$	$T_{30} = 0.7$ $P > 0.05$	$T_{30} = 1.0$ $P > 0.05$
		Time in Center	$F_{(1,82)} =$ 3.3 $P = 0.07$	$F_{(2,82)} =$ 0.90 $P = 0.41$	$F_{(2,82)} =$ 0.93 $P = 0.40$	$T_{30} =$ 0.02 $P > 0.05$	$T_{25} = 1.8$ $P > 0.05$	$T_{29} = 1.3$ $P > 0.05$	$T_{26} = 1.9$ $P > 0.05$	$T_{30} = 1.2$ $P > 0.05$	$T_{30} = 0.73$ $P > 0.05$
	TST	Immobi lity Time	$F_{(1,77)} =$ 39.0 $P < 0.001$	$F_{(2,77)} =$ 1.1 $P = 0.32$	$F_{(2,77)} =$ 1.2 $P = 0.32$	$T_{30} = 4.4$ $P < 0.001$	$T_{25} = 3.5$ $P < 0.01$	$T_{29} = 2.8$ $P < 0.05$	$T_{24} = 1.2$ $P > 0.05$	$T_{26} = 2.1$ $P > 0.05$	$T_{26} = 0.92$ $P > 0.05$
Female	OFT	Total Activity	$F_{(1,86)} =$ 70.8 $P < 0.001$	$F_{(2,86)} =$ 0.52 $P = 0.59$	$F_{(2,86)} =$ 0.50 $P = 0.61$	$T_{30} = 5.1$ $P < 0.001$	$T_{28} = 5.4$ $P < 0.001$	$T_{28} = 4.0$ $P < 0.001$	$T_{29} = 0.48$ $P > 0.05$	$T_{29} = 0.54$ $P > 0.05$	$T_{29} = 1.0$ $P > 0.05$
		Distance Moved	$F_{(1,90)} =$ 29.8 $P < 0.001$	$F_{(2,90)} =$ 1.1 $P = 0.35$	$F_{(2,90)} =$ 1.1 $P = 0.35$	$T_{30} = 4.3$ $P < 0.001$	$T_{30} = 2.4$ $P > 0.05$	$T_{30} = 2.8$ $P < 0.05$	$T_{30} = 2.0$ $P > 0.05$	$T_{30} = 1.5$ $P > 0.05$	$T_{30} = 0.41$ $P > 0.05$
		Time in Center	$F_{(1,88)} =$ 11.5 $P < 0.001$	$F_{(2,88)} =$ 0.76 $P = 0.47$	$F_{(2,88)} =$ 0.76 $P = 0.47$	$T_{30} = 1.7$ $P > 0.05$	$T_{25} = 1.2$ $P > 0.05$	$T_{29} = 3.0$ $P < 0.05$	$T_{28} = 0.39$ $P > 0.05$	$T_{29} = 1.3$ $P > 0.05$	$T_{29} = 1.6$ $P > 0.05$
	TST	Immobi lity Time	$F_{(1,89)} =$ 37.1 $P < 0.001$	$F_{(2,89)} =$ 1.2 $P = 0.30$	$F_{(2,89)} =$ 1.2 $P = 0.30$	$T_{30} = 3.0$ $P < 0.01$	$T_{25} = 4.8$ $P < 0.001$	$T_{29} = 2.7$ $P < 0.05$	$T_{30} = 1.8$ $P > 0.05$	$T_{29} = 0.28$ $P > 0.05$	$T_{29} = 2.0$ $P > 0.05$

2. Two-way ANOVA: Genotype and EET effects.

Fig. 2a OFT Total Activity			Genotype Effects	Treatment Effects	Genotype X Treatment Interactions	Test 2 hoc Bonferroni Test Genotype Effects (WT vs KIV)		Test 2 hoc Bonferroni Test Treatment Effects (SCT vs EET)	
						SCT	EET	WT	KIV
Male	Test 1 (T ₁)	ED	F _(1,58) = 36.4 P < 0.0001	F _(1,58) = 28.0 P < 0.0001	F _(1,58) = 1.1 P = 0.29	T ₃₀ = 3.6 P < 0.01	T ₂₈ = 4.9 P < 0.0001	T ₂₈ = 4.4 P < 0.0001	T ₃₀ = 3.0 P < 0.01
		YA	F _(1,51) = 42.8 P < 0.0001	F _(1,51) = 16.8 P < 0.0001	F _(1,51) = 0.16 P = 0.69	T ₂₅ = 4.3 P < 0.001	T ₂₆ = 5.0 P < 0.0001	T ₂₆ = 3.2 P < 0.01	T ₂₅ = 2.6 P < 0.05
		OA	F _(1,59) = 38.9 P < 0.0001	F _(1,59) = 1.1 P = 0.431	F _(1,59) = 6.8 P < 0.05	T ₂₉ = 2.5 P < 0.05	T ₃₀ = 6.3 P < 0.0001	T ₂₉ = 2.6 P < 0.05	T ₃₀ = 1.1 P > 0.05
	Test 2 (T ₂)	ED	F _(1,58) = 49.1 P < 0.0001	F _(1,58) = 19.5 P < 0.0001	F _(1,58) = 1.1 P = 0.30	T ₃₀ = 4.3 P < 0.001	T ₂₈ = 5.6 P < 0.0001	T ₂₈ = 3.8 P < 0.001	T ₃₀ = 2.4 P < 0.05
		YA	F _(1,44) = 28.7 P < 0.0001	F _(1,44) = 10.3 P < 0.005	F _(1,44) = 2.1 P = 0.15	T ₂₄ = 2.9 P < 0.05	T ₂₀ = 4.6 P < 0.0001	T ₂₁ = 3.2 P < 0.01	T ₂₃ = 1.3 P > 0.05
		OA	F _(1,60) = 40.3 P < 0.0001	F _(1,60) = 0.48 P = 0.49	F _(1,60) = 5.0 P < 0.05	T ₃₀ = 3.3 P < 0.01	T ₃₀ = 5.2 P < 0.0001	T ₃₀ = 1.4 P > 0.05	T ₃₀ = 0.5 P > 0.05

Female	Test 1 (T ₁)	ED	F _(1,58) = 12.4 P < 0.001	F _(1,58) = 17.9 P < 0.0001	F _(1,58) = 0.4 P = 0.53	T ₃₀ = 3.0 P < 0.01	T ₂₈ = 2.0 P > 0.05	T ₂₉ = 2.5 P < 0.05	T ₂₉ = 3.4 P < 0.01
		YA	F _(1,56) = 32.4 P < 0.0001	F _(1,56) = 13.9 P < 0.0005	F _(1,56) = 0.01 P = 0.91	T ₂₈ = 4.2 P < 0.001	T ₂₈ = 4.8 P < 0.0001	T ₂₈ = 2.7 P < 0.05	T ₂₈ = 2.6 P < 0.05
		OA	F _(1,60) = 55.1 P < 0.0001	F _(1,60) = 14.0 P < 0.001	F _(1,60) = 3.4 P = 0.07	T ₃₀ = 4.0 P < 0.001	T ₃₀ = 6.5 P < 0.0001	T ₃₀ = 3.9 P < 0.001	T ₃₀ = 1.4 P > 0.05
	Test 2 (T ₂)	ED	F _(1,57) = 6.5 P < 0.05	F _(1,57) = 1.6 P = 0.22	F _(1,57) = 4.1 P < 0.05	T ₃₀ = 3.3 P < 0.01	T ₂₇ = 0.4 P > 0.05	T ₂₈ = 0.5 P > 0.05	T ₂₉ = 2.3 P < 0.05
		YA	F _(1,56) = 30.8 P < 0.0001	F _(1,56) = 15.3 P < 0.001	F _(1,56) < 0.01 P = 0.96	T ₂₈ = 4.0 P < 0.001	T ₂₈ = 3.9 P < 0.001	T ₂₈ = 2.7 P < 0.05	T ₂₈ = 2.8 P < 0.05
		OA	F _(1,60) = 19.9 P < 0.0001	F _(1,60) = 3.3 P = 0.08	F _(1,60) = 0.02 P = 0.90	T ₃₀ = 3.1 P < 0.01	T ₃₀ = 3.2 P < 0.01	T ₃₀ = 1.4 P > 0.05	T ₃₀ = 1.2 P > 0.05

Fig. 3a OFT Time in Center			Genotype Effects	Treatment Effects	Genotype X Treatment Interactions	Test 2 hoc Bonferroni Test Genotype Effects (WT vs KIV)		Test 2 hoc Bonferroni Test Treatment Effects (SCT vs EET)	
						SCT	EET	WT	KIV
Male	Test 1 (T ₁)	ED	F _(1,58) = 0.04 P = 0.83	F _(1,58) = 13.9 P < 0.001	F _(1,58) = 0.03 P = 0.87	T ₃₀ = 0.03 P > 0.05	T ₂₈ = 0.26 P > 0.05	T ₂₈ = 2.7 P < 0.05	T ₃₀ = 2.6 P < 0.05
		YA	F _(1,44) = 6.4 P < 0.05	F _(1,44) = 5.0 P < 0.05	F _(1,44) = 1.5 P = 0.22	T ₂₂ = 0.93 P > 0.05	T ₂₂ = 2.7 P < 0.05	T ₂₂ = 2.5 P < 0.05	T ₂₂ = 0.72 P > 0.05
		OA	F _(1,60) = 11.1 P < 0.001	F _(1,60) = 5.8 P < 0.01	F _(1,60) = 3.4 P = 0.070	T ₃₀ = 1.1 P > 0.05	T ₃₀ = 3.7 P < 0.01	T ₃₀ = 3.0 P < 0.01	T ₃₀ = 0.39 P > 0.05
	Test 2 (T ₂)	ED	F _(1,56) = 3.2 P = 0.08	F _(1,56) = 2.1 P = 0.16	F _(1,56) = 6.0 P < 0.05	T ₂₈ = 0.5 P > 0.05	T ₂₈ = 3.0 P < 0.01	T ₂₈ = 2.7 P < 0.05	T ₂₈ = 0.7 P > 0.05
		YA	F _(1,44) = 5.2 P < 0.05	F _(1,40) = 0.04 P = 0.85	F _(1,40) = 0.01 P = 0.99	T ₂₂ = 1.7 P > 0.05	T ₁₈ = 1.6 P > 0.05	T ₂₀ = 0.15 P > 0.05	T ₂₀ = 0.13 P > 0.05
		OA	F _(1,60) = 10.1 P < 0.01	F _(1,60) = 0.20 P = 0.65	F _(1,60) = 1.0 P = 0.32	T ₃₀ = 1.6 P > 0.05	T ₂₉ = 3.4 P < 0.01	T ₂₉ = 0.39 P > 0.05	T ₃₀ = 1.0 P > 0.05

Female	Test 1 (T ₁)	ED	F _(1,60) < 0.01 P = 0.95	F _(1,60) = 5.3 P < 0.05	F _(1,60) = 4.7 P < 0.05	T ₃₀ = 1.5 P > 0.05	T ₃₀ = 1.6 P > 0.05	T ₃₀ = 0.1 P > 0.05	T ₃₀ = 3.2 P < 0.01
		YA	F _(1,60) = 3.2 P = 0.08	F _(1,60) = 0.08 P = 0.78	F _(1,60) = 2.6 P = 0.11	T ₃₀ = 0.12 P > 0.05	T ₃₀ = 2.4 P < 0.05	T ₃₀ = 0.94 P > 0.05	T ₃₀ = 1.3 P > 0.05
		OA	F _(1,60) = 30.2 P < 0.0001	F _(1,60) = 5.2 P < 0.05	F _(1,60) = 3.6 P = 0.065	T ₃₀ = 2.6 P < 0.05	T ₃₀ = 5.2 P < 0.0001	T ₃₀ = 2.9 P < 0.01	T ₃₀ = 0.28 P > 0.05
	Test 2 (T ₂)	ED	F _(1,56) = 1.4 P = 0.24	F _(1,56) = 2.2 P = 0.14	F _(1,56) = 0.19 P = 0.66	T ₃₀ = 1.2 P > 0.05	T ₂₆ = 0.5 P > 0.05	T ₂₆ = 1.3 P > 0.05	T ₃₀ = 0.8 P > 0.05
		YA	F _(1,60) = 7.5 P < 0.01	F _(1,60) = 0.18 P = 0.68	F _(1,60) = 1.9 P = 0.18	T ₃₀ = 0.97 P > 0.05	T ₃₀ = 2.9 P < 0.05	T ₃₀ = 0.67 P > 0.05	T ₃₀ = 1.3 P > 0.05
		OA	F _(1,60) = 9.9 P < 0.005	F _(1,60) = 0.43 P = 0.52	F _(1,60) = 0.09 P = 0.77	T ₃₀ = 2.0 P > 0.05	T ₃₀ = 2.4 P < 0.05	T ₃₀ = 0.25 P > 0.05	T ₃₀ = 0.67 P > 0.05

Fig. 4a TST Immobility Time			Genotype Effects	Treatment Effects	Genotype X Treatment Interactions	Test 2 hoc Bonferroni Test Genotype Effects (WT vs KIV)		Test 2 hoc Bonferroni Test Treatment Effects (SCT vs EET)	
						SCT	EET	WT	KIV
Male	Test 1 (T ₁)	ED	F_(1,44) = 7.6 P < 0.01	F_(1,44) = 46.1 P < 0.0001	F_(1,44) = 8.1 P < 0.01	T₂₂ = 4.0 P < 0.001	T ₂₂ = 0.1 P > 0.05	T₂₂ = 2.8 P < 0.05	T₂₂ = 6.8 P < 0.0001
		YA	F_(1,49) = 21.2 P < 0.0001	F_(1,49) = 17.5 P < 0.0001	F _(1,49) = 0.01 P = 0.91	T₂₅ = 3.1 P < 0.01	T₂₆ = 3.3 P < 0.01	T₂₅ = 3.1 P < 0.01	T₂₆ = 2.9 P < 0.05
		OA	F_(1,60) = 24.1 P < 0.0001	F _(1,60) = 3.9 P = 0.05	F _(1,60) = 2.0 P = 0.17	T₃₀ = 2.5 P < 0.05	T₃₀ = 4.5 P < 0.0001	T₃₀ = 2.4 P < 0.05	T ₃₀ = 0.41 P > 0.05
	Test 2 (T ₂)	ED	F _(1,43) = 1.9 P = 0.18	F_(1,43) = 4.4 P < 0.05	F_(1,43) = 6.2 P < 0.05	T₂₂ = 2.8 P < 0.05	T ₂₁ = 0.8 P > 0.05	T ₂₂ = 0.3 P > 0.05	T₂₁ = 3.2 P < 0.01
		YA	F_(1,54) = 15.6 P = 0.0002	F _(1,54) = 0.51 P = 0.48	F _(1,54) = 0.06 P = 0.80	T ₂₄ = 2.3 P > 0.05	T₂₁ = 3.6 P < 0.01	T ₂₂ = 0.72 P > 0.05	T ₂₃ = 0.31 P > 0.05
		OA	F_(1,60) = 7.9 P < 0.01	F _(1,60) = 0.05 P = 0.82	F _(1,60) = 2.8 P = 0.10	T ₃₀ = 0.81 P > 0.05	T₃₀ = 3.1 P < 0.01	T ₃₀ = 1.0 P > 0.05	T ₃₀ = 1.3 P > 0.05
Female	Test 1 (T ₁)	ED	F_(1,60) = 6.8 P < 0.05	F_(1,60) = 27.6 P < 0.0001	F _(1,60) = 2.4 P = 0.12	T₃₀ = 2.9 P < 0.01	T ₃₀ = 0.7 P > 0.05	T₃₀ = 2.6 P < 0.05	T₃₀ = 4.8 P < 0.0001
		YA	F_(1,60) = 21.3 P < 0.0001	F_(1,60) = 14.9 P < 0.001	F _(1,60) = 0.49 P = 0.49	T₃₀ = 3.8 P < 0.001	T₂₉ = 2.8 P < 0.05	T ₃₀ = 2.2 P > 0.05	T₂₉ = 3.2 P < 0.01
		OA	F_(1,60) = 26.5 P < 0.0001	F _(1,60) = 0.02 P = 0.89	F _(1,60) = 2.5 P = 0.12	T₃₀ = 2.5 P < 0.05	T₃₀ = 4.8 P < 0.0001	T ₃₀ = 1.0 P > 0.05	T ₃₀ = 1.2 P > 0.05
	Test 2 (T ₂)	ED	F_(1,55) = 10.3 P < 0.005	F _(1,55) = 1.7 P = 0.20	F_(1,55) = 9.3 P < 0.005	T₃₀ = 4.6 P < 0.0001	T ₂₅ = 0.1 P > 0.05	T ₂₆ = 1.2 P > 0.05	T₂₉ = 3.2 P < 0.01
		YA	F_(1,60) = 11.7 P < 0.005	F _(1,60) = 0.26 P = 0.61	F _(1,60) = 0.25 P = 0.62	T₃₀ = 2.8 P < 0.05	T ₃₀ = 2.1 P > 0.05	T ₃₀ = 0.01 P > 0.05	T ₃₀ = 0.71 P > 0.05
		OA	F_(1,60) = 9.5 P < 0.005	F _(1,60) = 2.3 P = 0.13	F _(1,60) = 0.13 P = 0.72	T₃₀ = 2.4 P < 0.05	T ₃₀ = 1.9 P > 0.05	T ₃₀ = 1.3 P > 0.05	T ₃₀ = 0.83 P > 0.05

Fig. 5a BDNF ELISA (Males + Females)			Genotype Effects	Treatment Effects	Genotype X Treatment Interactions	Test 2 hoc Bonferroni Test Genotype Effects (WT vs KIV)		Test 2 hoc Bonferroni Test Treatment Effects (SCT vs EET)	
						SCT	EET	WT	KIV
Hippocampus	Test 1 (T ₁)	ED	F_(1,35) = 9.0 P < 0.005	F_(1,35) = 50.6 P < 0.0001	F _(1,35) = 0.90 P = 0.35	T₁₈ = 2.8 P < 0.05	T ₁₇ = 1.4 P > 0.05	T₁₈ = 4.4 P < 0.001	T₁₇ = 5.6 P < 0.0001
		YA	F_(1,28) = 90.5 P < 0.0001	F_(1,28) = 14.9 P < 0.001	F_(1,28) = 4.5 P < 0.05	T₁₄ = 5.22 P < 0.0001	T₁₄ = 8.23 P < 0.0001	T₁₄ = 4.2 P < 0.001	T ₁₄ = 1.2 P > 0.05
		OA	F_(1,28) = 39.4 P < 0.0001	F _(1,28) = 1.6 P = 0.21	F _(1,28) = 3.0 P = 0.094	T₁₄ = 3.2 P < 0.01	T₁₄ = 5.7 P < 0.0001	T ₁₄ = 2.1 P > 0.05	T ₁₄ = 0.33 P > 0.05
	Test 2 (T ₂)	ED	F_(1,34) = 50.3 P < 0.0001	F_(1,34) = 7.9 P < 0.01	F _(1,34) = 1.9 P = 0.18	T₁₆ = 5.83 P < 0.0001	T₁₈ = 4.15 P < 0.001	T ₁₇ = 1.02 P > 0.05	T₁₇ = 2.96 P < 0.05
		YA	F_(1,30) = 51.4 P < 0.0001	F _(1,30) = 0.55 P = 0.47	F _(1,30) = 1.8 P = 0.19	T₁₄ = 4.1 P < 0.001	T₁₄ = 6.0 P < 0.0001	T ₁₄ = 1.5 P > 0.05	T ₁₄ = 0.42 P > 0.05
		OA	F_(1,28) = 12.4 P < 0.005	F _(1,28) = 0.35 P = 0.56	F _(1,28) = 1.7 P = 0.20	T₁₄ = 3.4 P < 0.01	T ₁₄ = 1.6 P > 0.05	T ₁₄ = 1.3 P > 0.05	T ₁₄ = 0.51 P > 0.05
Frontal Cortex	Test 1 (T ₁)	ED	F_(1,36) = 17.3 P < 0.005	F_(1,36) = 16.0 P < 0.0005	F _(1,36) = 0.09 P = 0.77	T₁₈ = 3.2 P < 0.01	T₁₈ = 2.7 P < 0.05	T₁₈ = 2.6 P < 0.05	T₁₈ = 3.0 P < 0.01
		YA	F_(1,29) = 27.4 P < 0.0001	F _(1,29) = 2.1 P = 0.16	F _(1,29) = 0.20 P = 0.66	T₁₅ = 3.4 P < 0.01	T₁₄ = 4.0 P < 0.001	T ₁₅ = 1.4 P > 0.05	T ₁₄ = 0.70 P > 0.05
		OA	F_(1,28) = 6.3 P < 0.05	F _(1,28) = 0.35 P = 0.56	F _(1,28) = 0.73 P = 0.40	T₁₄ = 2.4 P < 0.05	T ₁₄ = 1.2 P > 0.05	T ₁₄ = 0.19 P > 0.05	T ₁₄ = 1.0 P > 0.05
	Test 2 (T ₂)	ED	F_(1,36) = 41.5 P < 0.0001	F _(1,36) = 0.90 P = 0.35	F _(1,36) = 0.21 P = 0.65	T₁₈ = 4.2 P < 0.001	T₁₈ = 4.9 P < 0.0001	T ₁₈ = 1.00 P > 0.05	T ₁₈ = 0.34 P > 0.05
		YA	F_(1,29) = 15.6 P < 0.001	F _(1,29) = 0.58 P = 0.45	F _(1,29) = 0.13 P = 0.72	T₁₅ = 3.1 P < 0.01	T₁₄ = 2.5 P < 0.05	T ₁₅ = 0.29 P > 0.05	T ₁₄ = 0.78 P > 0.05
		OA	F _(1,28) = 3.9 P = 0.06	F _(1,28) = 0.06 P = 0.81	F _(1,28) = 0.23 P = 0.64	T ₁₄ = 1.7 P > 0.05	T ₁₄ = 1.1 P > 0.05	T ₁₄ = 0.17 P > 0.05	T ₁₄ = 0.56 P > 0.05

Suppl. Fig. 1 OFT (Distance Moved)			Genotype Effects	Treatment Effects	Genotype X Treatment Interactions	Test 2 hoc Bonferroni Test Genotype Effects (WT vs KIV)		Test 2 hoc Bonferroni Test Treatment Effects (SCT vs EET)	
						SCT	EET	WT	KIV
Male	Test 1 (T ₁)	ED	F_(1,57) = 5.9 P < 0.05	F_(1,57) = 6.4 P < 0.05	F _(1,57) = 0.8 P = 0.37	T ₃₀ = 1.1 P > 0.05	T ₂₇ = 2.3 P > 0.05	T₂₈ = 2.4 P < 0.05	T ₂₉ = 1.2 P > 0.05
		YA	F_(1,52) = 12.3 P < 0.001	F_(1,52) = 4.3 P < 0.05	F _(1,52) = 2.4 P = 0.13	T ₂₆ = 1.4 P > 0.05	T₂₆ = 3.6 P < 0.01	T₂₄ = 2.6 P < 0.05	T ₂₆ = 0.36 P > 0.05
		OA	F_(1,60) = 23.2 P < 0.0001	F _(1,60) = 0.07 P = 0.80	F_(1,60) = 15.7 P < 0.001	T ₃₀ = 0.61 P > 0.05	T₃₀ = 6.2 P < 0.0001	T₃₀ = 2.6 P < 0.05	T₃₀ = 3.0 P < 0.01
	Test 2 (T ₂)	ED	F _(1,57) = 2.0 P = 0.16	F _(1,57) = 0.7 P = 0.40	F _(1,57) = 0.22 P = 0.64	T ₃₀ = 1.4 P > 0.05	T ₂₇ = 0.7 P > 0.05	T ₂₈ = 0.3 P > 0.05	T ₂₉ = 0.9 P > 0.05
		YA	F_(1,46) = 7.5 P < 0.01	F _(1,46) = 0.32 P = 0.57	F _(1,46) = 0.01 P = 0.93	T ₂₅ = 2.0 P > 0.05	T ₂₁ = 1.9 P > 0.05	T ₂₂ = 0.45 P > 0.05	T ₂₄ = 0.35 P > 0.05
		OA	F _(1,60) = 1.1 P = 0.29	F _(1,60) = 0.22 P = 0.64	F _(1,60) = 0.23 P = 0.63	T ₃₀ = 0.41 P > 0.05	T ₃₀ = 1.1 P > 0.05	T ₃₀ = 0.01 P > 0.05	T ₃₀ = 0.66 P > 0.05
Female	Test 1 (T ₁)	ED	F_(1,59) = 15.1 P < 0.001	F _(1,59) = 3.2 P = 0.08	F_(1,59) = 8.5 P < 0.01	T₃₀ = 4.8 P < 0.0001	T ₂₉ = 0.7 P > 0.05	T₃₀ = 3.3 P < 0.01	T ₂₉ = 0.8 P > 0.05
		YA	F_(1,59) = 30.7 P < 0.0001	F _(1,59) = 0.52 P = 0.47	F _(1,59) = 0.88 P = 0.35	T₂₉ = 3.2 P < 0.01	T₃₀ = 4.6 P < 0.0001	T ₃₀ = 0.15 P > 0.05	T ₂₉ = 1.2 P > 0.05
		OA	F_(1,60) = 36.4 P < 0.0001	F _(1,60) = 0.01 P = 0.93	F _(1,60) = 3.1 P = 0.08	T₃₀ = 3.0 P < 0.01	T₃₀ = 5.5 P < 0.0001	T ₃₀ = 1.3 P > 0.05	T ₃₀ = 1.2 P > 0.05
	Test 2 (T ₂)	ED	F_(1,58) = 12.5 P < 0.001	F_(1,58) = 24.2 P < 0.0001	F_(1,58) = 19.3 P < 0.0001	T₃₀ = 5.7 P < 0.0001	T ₂₈ = 0.6 P > 0.05	T₂₈ = 6.5 P < 0.0001	T ₃₀ = 0.4 P > 0.05
		YA	F_(1,60) = 9.9 P < 0.01	F _(1,60) = 0.16 P = 0.69	F _(1,60) < 0.001 P = 0.98	T ₃₀ = 2.2 P > 0.05	T ₃₀ = 2.3 P > 0.05	T ₃₀ = 0.30 P > 0.05	T ₃₀ = 0.26 P > 0.05
		OA	F_(1,60) = 8.1 P < 0.01	F_(1,60) = 5.8 P < 0.05	F _(1,60) = 0.02 P = 0.90	T ₃₀ = 2.1 P > 0.05	T ₃₀ = 1.9 P > 0.05	T ₃₀ = 1.6 P > 0.05	T ₃₀ = 1.8 P > 0.05

3. Two-way ANOVA: EET effects on genotype and ages

Fig. 2b OFT Total Activity		Genotype Effects	Age Effects	Genotype X Age Interacti ons	<i>Test 2 hoc</i> Bonferroni Test Age Effects						<i>Test 2 hoc</i> Bonferroni Test Genotype Effects (WT vs KIV)		
					ED vs YA		ED vs OA		YA vs OA		ED	YA	OA
					WT	KIV	WT	KIV	WT	KIV			
Male	Test 1	$F_{(1, 83)} = 0.10$ $P = 0.75$	$F_{(2, 83)} = 12.3$ $P < 0.001$	$F_{(2, 83)} = 2.4$ $P = 0.10$	$T_{26} = 1.3$ $P > 0.05$	$T_{28} = 1.6$ $P > 0.05$	$T_{27} = 2.4$ $P > 0.05$	$T_{30} = 4.9$ $P < 0.001$	$T_{27} = 1.0$ $P > 0.05$	$T_{28} = 3.2$ $P < 0.05$	$T_{28} = 1.1$ $P > 0.05$	$T_{26} = 0.95$ $P > 0.05$	$T_{29} = 1.6$ $P > 0.05$
	Test 2	$F_{(1, 78)} = 0.65$ $P = 0.42$	$F_{(2, 78)} = 10.1$ $P < 0.001$	$F_{(2, 78)} = 1.5$ $P = 0.22$	$T_{22} = 0.24$ $P > 0.05$	$T_{26} = 2.2$ $P > 0.05$	$T_{28} = 2.0$ $P > 0.05$	$T_{30} = 4.4$ $P < 0.001$	$T_{24} = 1.5$ $P > 0.05$	$T_{26} = 1.9$ $P > 0.05$	$T_{28} = 0.94$ $P > 0.05$	$T_{21} = 0.90$ $P > 0.05$	$T_{30} = 1.4$ $P > 0.05$
Female	Test 1	$F_{(1, 84)} = 5.1$ $P < 0.05$	$F_{(2, 84)} = 2.6$ $P = 0.08$	$F_{(2, 84)} = 2.6$ $P = 0.08$	$T_{28} = 0.22$ $P > 0.05$	$T_{28} = 1.5$ $P > 0.05$	$T_{27} = 0.01$ $P > 0.05$	$T_{29} = 3.2$ $P < 0.05$	$T_{27} = 0.21$ $P > 0.05$	$T_{28} = 1.7$ $P > 0.05$	$T_{28} = 2.8$ $P < 0.05$	$T_{28} = 1.5$ $P > 0.05$	$T_{28} = 0.40$ $P > 0.05$
	Test 2	$F_{(1, 83)} = 14.4$ $P < 0.001$	$F_{(2, 83)} = 1.5$ $P = 0.23$	$F_{(2, 83)} = 3.0$ $P = 0.06$	$T_{28} = 2.2$ $P > 0.05$	$T_{28} = 0.56$ $P > 0.05$	$T_{13} = 1.2$ $P > 0.05$	$T_{13} = 2.0$ $P > 0.05$	$T_{13} = 0.97$ $P > 0.05$	$T_{13} = 1.4$ $P > 0.05$	$T_{27} = 4.1$ $P < 0.001$	$T_{29} = 1.5$ $P > 0.05$	$T_{28} = 0.98$ $P > 0.05$

Fig. 3b OFT Time in Center		Genotype Effects	Age Effects	Genotype X Age Interacti ons	<i>Test 2 hoc</i> Bonferroni Test Age Effects						<i>Test 2 hoc</i> Bonferroni Test Genotype Effects (WT vs KIV)		
					ED vs YA		ED vs OA		YA vs OA		ED	YA	OA
					WT	KIV	WT	KIV	WT	KIV			
Male	Test 1	$F_{(1, 79)} = 4.0$ $P = 0.05$	$F_{(2, 79)} = 0.90$ $P = 0.41$	$F_{(2, 79)} = 0.77$ $P = 0.47$	$T_{23} = 0.31$ $P > 0.05$	$T_{26} = 1.1$ $P > 0.05$	$T_{28} = 0.16$ $P > 0.05$	$T_{27} = 1.8$ $P > 0.05$	$T_{25} = 0.47$ $P > 0.05$	$T_{26} = 0.49$ $P > 0.05$	$T_{28} = 0.17$ $P > 0.05$	$T_{21} = 1.5$ $P > 0.05$	$T_{30} = 1.8$ $P > 0.05$
	Test 2	$F_{(1, 75)} = 4.6$ $P < 0.05$	$F_{(2, 75)} = 0.92$ $P = 0.40$	$F_{(2, 75)} = 1.8$ $P = 0.17$	$T_{22} = 2.0$ $P > 0.05$	$T_{24} = 0.65$ $P > 0.05$	$T_{27} = 1.8$ $P > 0.05$	$T_{30} = 0.04$ $P > 0.05$	$T_{23} = 0.38$ $P > 0.05$	$T_{24} = 0.68$ $P > 0.05$	$T_{28} = 2.9$ $P < 0.05$	$T_{19} = 0.03$ $P > 0.05$	$T_{29} = 1.2$ $P > 0.05$
Female	Test 1	$F_{(1, 87)} = 0.29$ $P = 0.59$	$F_{(2, 87)} = 1.9$ $P = 0.15$	$F_{(2, 87)} = 4.0$ $P < 0.05$	$T_{30} = 0.53$ $P > 0.05$	$T_{27} = 3.4$ $P < 0.01$	$T_{30} = 1.3$ $P > 0.05$	$T_{29} = 1.9$ $P > 0.05$	$T_{30} = 0.74$ $P > 0.05$	$T_{27} = 1.6$ $P > 0.05$	$T_{30} = 2.6$ $P < 0.05$	$T_{27} = 1.1$ $P > 0.05$	$T_{30} = 0.52$ $P > 0.05$
	Test 2	$F_{(1, 86)} = 0.69$ $P = 0.41$	$F_{(2, 86)} = 0.91$ $P = 0.41$	$F_{(2, 86)} = 0.61$ $P = 0.55$	$T_{26} = 1.7$ $P > 0.05$	$T_{30} = 0.16$ $P > 0.05$	$T_{26} = 1.0$ $P > 0.05$	$T_{30} = 0.28$ $P > 0.05$	$T_{30} = 0.71$ $P > 0.05$	$T_{30} = 0.11$ $P > 0.05$	$T_{26} = 0.29$ $P > 0.05$	$T_{30} = 1.3$ $P > 0.05$	$T_{30} = 0.49$ $P > 0.05$

Fig. 4b TST Immobility Time		Genotype Effects	Age Effects	Genotype X Age Interacti ons	Test 2 hoc Bonferroni Test Age Effects						Test 2 hoc Bonferroni Test Genotype Effects (WT vs KIV)		
					ED vs YA		ED vs OA		YA vs OA		ED	YA	OA
					WT	KIV	WT	KIV	WT	KIV			
Male	Test 1	$F_{(1, 78)} = 0.05$ $P = 0.82$	$F_{(2, 78)} = 2.8$ $P = 0.06$	$F_{(2, 78)} = 3.6$ $P < 0.05$	$T_{23} = 1.4$ $P > 0.05$	$T_{24} = 2.2$ $P > 0.05$	$T_{26} = 0.06$ $P > 0.05$	$T_{26} = 3.1$ $P < 0.05$	$T_{27} = 1.5$ $P > 0.05$	$T_{28} = 0.89$ $P > 0.05$	$T_{22} = 2.0$ $P > 0.05$	$T_{25} = 1.6$ $P > 0.05$	$T_{30} = 1.0$ $P > 0.05$
	Test 2	$F_{(1, 72)} = 0.25$ $P = 0.62$	$F_{(2, 72)} = 4.7$ $P < 0.05$	$F_{(2, 72)} = 7.3$ $P < 0.001$	$T_{21} = 2.1$ $P > 0.05$	$T_{21} = 2.1$ $P > 0.05$	$T_{26} = 0.6$ $P > 0.05$	$T_{25} = 3.5$ $P < 0.01$	$T_{25} = 1.6$ $P > 0.05$	$T_{26} = 1.4$ $P > 0.05$	$T_{22} = 2.8$ $P < 0.05$	$T_{30} = 2.2$ $P > 0.05$	$T_{30} = 1.6$ $P > 0.05$
Female	Test 1	$F_{(1, 90)} = 0.39$ $P = 0.53$	$F_{(2, 90)} = 6.6$ $P < 0.005$	$F_{(2, 90)} = 1.3$ $P = 0.27$	$T_{29} = 1.0$ $P > 0.05$	$T_{30} = 1.6$ $P > 0.05$	$T_{29} = 1.5$ $P > 0.05$	$T_{29} = 3.5$ $P < 0.01$	$T_{30} = 0.40$ $P > 0.05$	$T_{30} = 2.0$ $P > 0.05$	$T_{29} = 1.2$ $P > 0.05$	$T_{30} = 0.76$ $P > 0.05$	$T_{30} = 0.95$ $P > 0.05$
	Test 2	$F_{(1, 85)} = 6.3$ $P < 0.01$	$F_{(2, 85)} = 2.4$ $P = 0.10$	$F_{(2, 85)} = 4.1$ $P < 0.02$	$T_{26} = 1.6$ $P > 0.05$	$T_{29} = 2.2$ $P > 0.05$	$T_{26} = 0.15$ $P > 0.05$	$T_{29} = 3.1$ $P < 0.05$	$T_{30} = 1.6$ $P > 0.05$	$T_{30} = 0.92$ $P > 0.05$	$T_{26} = 3.6$ $P < 0.01$	$T_{34} = 0.05$ $P > 0.05$	$T_{30} = 0.59$ $P > 0.05$

Fig. 5b BDNF levels		Genotype Effects	Age Effects	Genotype X Age Interacti ons	Test 2 hoc Bonferroni Test Age Effects						Test 2 hoc Bonferroni Test Genotype Effects (WT vs KIV)		
					ED vs YA		ED vs OA		YA vs OA		ED	YA	OA
					WT	KIV	WT	KIV	WT	KIV			
Hippocampus	Test 1	$F_{(1, 45)} = 0.0002$ $P = 0.99$	$F_{(2, 45)} = 7.1$ $P < 0.005$	$F_{(2, 45)} = 1.5$ $P = 0.23$	$T_{16} = 0.67$ $P > 0.05$	$T_{15} = 3.1$ $P < 0.05$	$T_{16} = 1.9$ $P > 0.05$	$T_{15} = 3.1$ $P < 0.05$	$T_{14} = 1.2$ $P > 0.05$	$T_{14} = 0.01$ $P > 0.05$	$T_{17} = 1.3$ $P > 0.05$	$T_{14} = 1.2$ $P > 0.05$	$T_{14} < 0.001$ $P > 0.05$
	Test 2	$F_{(1, 46)} = 3.6$ $P = 0.06$	$F_{(2, 46)} = 6.4$ $P < 0.005$	$F_{(2, 46)} = 3.4$ $P < 0.05$	$T_{16} = 0.48$ $P > 0.05$	$T_{16} = 2.3$ $P > 0.05$	$T_{15} = 3.0$ $P < 0.05$	$T_{16} = 2.0$ $P > 0.05$	$T_{13} = 3.3$ $P < 0.05$	$T_{14} = 0.25$ $P > 0.05$	$T_{18} = 2.0$ $P < 0.05$	$T_{14} = 1.1$ $P > 0.05$	$T_{13} = 1.9$ $P > 0.05$
Frontal Cortex	Test 1	$F_{(1, 46)} = 0.30$ $P = 0.58$	$F_{(2, 46)} = 6.0$ $P < 0.005$	$F_{(2, 46)} = 0.62$ $P = 0.45$	$T_{16} = 1.0$ $P > 0.05$	$T_{15} = 2.6$ $P > 0.05$	$T_{16} = 2.0$ $P > 0.05$	$T_{16} = 2.6$ $P > 0.05$	$T_{14} = 0.93$ $P > 0.05$	$T_{13} = 0.03$ $P > 0.05$	$T_{18} = 1.1$ $P > 0.05$	$T_{13} = 0.61$ $P > 0.05$	$T_{14} = 0.45$ $P > 0.05$
	Test 2	$F_{(1, 48)} = 0.02$ $P = 0.88$	$F_{(2, 48)} = 0.72$ $P = 0.49$	$F_{(2, 48)} = 0.42$ $P = 0.66$	$T_{16} = 0.12$ $P > 0.05$	$T_{15} = 0.26$ $P > 0.05$	$T_{15} = 1.4$ $P > 0.05$	$T_{15} = 0.28$ $P > 0.05$	$T_{13} = 1.2$ $P > 0.05$	$T_{12} = 0.03$ $P > 0.05$	$T_{18} = 0.23$ $P > 0.05$	$T_{13} = 0.22$ $P > 0.05$	$T_{12} = 0.79$ $P > 0.05$

Suppl. Fig. 1b OFT Distance Moved		Genotype Effects	Age Effects	Genotype X Age Interactions	Test 2 hoc Bonferroni Test Age Effects						Test 2 hoc Bonferroni Test Genotype Effects (WT vs KIV)		
					ED vs YA		ED vs OA		YA vs OA		ED	YA	OA
					WT	KIV	WT	KIV	WT	KIV			
Male	Test 1	$F_{(1, 83)} = 19.7$ $P < 0.001$	$F_{(2, 83)} = 4.8$ $P < 0.05$	$F_{(2, 83)} = 3.2$ $P = 0.05$	$T_{26} = 0.02$ $P > 0.05$	$T_{27} = 0.87$ $P > 0.05$	$T_{28} = 0.34$ $P > 0.05$	$T_{30} = 3.8$ $P < 0.01$	$T_{28} = 0.36$ $P > 0.05$	$T_{28} = 2.9$ $P < 0.05$	$T_{27} = 1.1$ $P > 0.05$	$T_{26} = 2.0$ $P > 0.05$	$T_{30} = 4.7$ $P < 0.001$
	Test 2	$F_{(1, 78)} = 0.26$ $P = 0.61$	$F_{(2, 78)} = 2.6$ $P = 0.08$	$F_{(2, 78)} = 1.6$ $P = 0.21$	$T_{23} = 0.13$ $P > 0.05$	$T_{25} = 0.64$ $P > 0.05$	$T_{28} = 0.26$ $P > 0.05$	$T_{29} = 2.8$ $P < 0.05$	$T_{25} = 0.38$ $P > 0.05$	$T_{26} = 2.0$ $P > 0.05$	$T_{27} = 0.78$ $P > 0.05$	$T_{20} = 0.03$ $P > 0.05$	$T_{30} = 1.7$ $P > 0.05$
Female	Test 1	$F_{(1, 85)} = 0.08$ $P = 0.78$	$F_{(2, 85)} = 0.87$ $P = 0.42$	$F_{(2, 85)} = 13.8$ $P < 0.001$	$T_{30} = 3.0$ $P < 0.05$	$T_{29} = 3.3$ $P < 0.01$	$T_{30} = 4.1$ $P < 0.001$	$T_{30} = 2.6$ $P > 0.05$	$T_{30} = 1.1$ $P > 0.05$	$T_{30} = 0.79$ $P > 0.05$	$T_{29} = 4.0$ $P < 0.001$	$T_{30} = 2.3$ $P > 0.05$	$T_{30} = 2.6$ $P < 0.05$
	Test 2	$F_{(1, 88)} = 3.5$ $P = 0.07$	$F_{(2, 88)} = 14.4$ $P < 0.001$	$F_{(2, 88)} = 9.3$ $P < 0.001$	$T_{28} = 0.78$ $P > 0.05$	$T_{30} = 0.83$ $P > 0.05$	$T_{28} = 1.9$ $P > 0.05$	$T_{30} = 0.55$ $P > 0.05$	$T_{30} = 1.1$ $P > 0.05$	$T_{30} = 0.29$ $P > 0.05$	$T_{27} = 4.4$ $P < 0.001$	$T_{30} = 0.05$ $P > 0.05$	$T_{30} = 1.4$ $P > 0.05$

3. Student's *t*-test was conducted to compare data between two-groups. This test was to verify the results of two-way ANOVA and to avoid type II errors. No major discrepancy was found.

Fig. 2 OFT (Total Activity)			Genotype Effect (WT vs KIV)		Treatment Effect (SCT vs EET)	
			SCT	EET	WT	KIV
Male	ED	Test 1	P < 0.001	P < 0.001	P < 0.001	P < 0.005
		Test 2	P < 0.001	P < 0.001	P < 0.005	P < 0.01
	YA	Test 1	P < 0.001	P < 0.001	P < 0.005	P < 0.05
		Test 2	P < 0.01	P < 0.001	P < 0.005	P > 0.05
	OA	Test 1	P < 0.01	P < 0.005	P < 0.05	P > 0.05
		Test 2	P < 0.005	P < 0.005	P > 0.05	P > 0.05
Female	ED	Test 1	P < 0.001	P > 0.05	P < 0.05	P < 0.001
		Test 2	P < 0.001	P > 0.05	P > 0.05	P < 0.001
	YA	Test 1	P < 0.001	P < 0.005	P < 0.05	P < 0.001
		Test 2	P < 0.001	P < 0.001	P < 0.05	P < 0.01
	OA	Test 1	P < 0.005	P < 0.005	P < 0.005	P > 0.05
		Test 2	P < 0.005	P < 0.01	P > 0.05	P > 0.05

Fig. 3 OFT (Time in Center)			Genotype Effect (WT vs KIV)		Treatment Effect (SCT vs EET)	
			SCT	EET	WT	KIV
Male	ED	Test 1	P > 0.05	P > 0.05	P < 0.01	P < 0.05
		Test 2	P > 0.05	P < 0.005	P < 0.05	P > 0.05
	YA	Test 1	P > 0.05	P < 0.005	P < 0.05	P > 0.05
		Test 2	P > 0.05 (0.059)	P > 0.05	P > 0.05	P > 0.05
	OA	Test 1	P > 0.05	P < 0.005	P < 0.05	P > 0.05
		Test 2	P > 0.05	P < 0.005	P > 0.05	P > 0.05
Female	ED	Test 1	P > 0.05 (0.070)	P > 0.05	P > 0.05	P < 0.01
		Test 2	P > 0.05	P > 0.05	P > 0.05	P > 0.05
	YA	Test 1	P > 0.05	P < 0.01	P > 0.05	P > 0.05
		Test 2	P > 0.05	P < 0.005	P > 0.05	P > 0.05
	OA	Test 1	P < 0.05	P < 0.005	P < 0.005	P > 0.05
		Test 2	P < 0.05	P < 0.05	P > 0.05	P > 0.05

Fig. 4 TST (Immobility Time)			Genotype Effect (WT vs KIV)		Treatment Effect (SCT vs EET)	
			SCT	EET	WT	KIV
Male	ED	Test 1	P < 0.001	P > 0.05	P < 0.005	P < 0.001
		Test 2	P < 0.001	P > 0.05	P > 0.05	P < 0.05
	YA	Test 1	P < 0.001	P < 0.005	P < 0.05	P < 0.001
		Test 2	P < 0.01	P < 0.01	P > 0.05 (0.072)	P > 0.05
	OA	Test 1	P < 0.05	P < 0.005	P < 0.05	P > 0.05
		Test 2	P > 0.05	P < 0.005	P > 0.05	P > 0.05
Female	ED	Test 1	P < 0.005	P > 0.05	P < 0.01	P < 0.001
		Test 2	P < 0.001	P > 0.05	P > 0.05	P < 0.05
	YA	Test 1	P < 0.001	P < 0.05	P < 0.05	P < 0.01
		Test 2	P < 0.01	P > 0.05 (0.053)	P > 0.05	P > 0.05
	OA	Test 1	P < 0.05	P < 0.005	P > 0.05	P > 0.05
		Test 2	P < 0.05	P > 0.05	P > 0.05	P > 0.05

Fig. 5 BDNF levels			Genotype Effect (WT vs KIV)		Treatment Effect (SCT vs EET)	
			SCT	EET	WT	KIV
Hippocampus	ED	Test 1	P < 0.001	P > 0.05	P < 0.001	P < 0.001
		Test 2	P < 0.001	P < 0.001	P > 0.05	P < 0.005
	YA	Test 1	P < 0.001	P < 0.001	P < 0.005	P > 0.05
		Test 2	P < 0.001	P < 0.001	P > 0.05	P > 0.05
	OA	Test 1	P < 0.001	P < 0.001	P > 0.05	P > 0.05
		Test 2	P < 0.01	P > 0.05	P > 0.05	P > 0.05
Frontal Cortex	ED	Test 1	P < 0.001	P < 0.05	P < 0.05	P < 0.005
		Test 2	P < 0.001	P < 0.001	P > 0.05	P > 0.05
	YA	Test 1	P < 0.005	P < 0.001	P > 0.05	P > 0.05
		Test 2	P < 0.005	P < 0.05	P > 0.05	P > 0.05
	OA	Test 1	P < 0.01	P > 0.05	P > 0.05	P > 0.05
		Test 2	P > 0.05	P > 0.05	P > 0.05	P > 0.05

Supplementary Fig. 1 OFT (Distance Moved)			Genotype Effect (WT vs KIV)		Treatment Effect (SCT vs EET)	
			SCT	EET	WT	KIV
Male	ED	Test 1	P > 0.05	P < 0.05	P < 0.05	P > 0.05
		Test 2	P > 0.05	P > 0.05	P > 0.05	P > 0.05
	YA	Test 1	P > 0.05	P < 0.005	P < 0.05	P > 0.05
		Test 2	P < 0.05	P > 0.05	P > 0.05	P > 0.05
	OA	Test 1	P > 0.05	P < 0.005	P < 0.05	P > 0.05
		Test 2	P > 0.05	P > 0.05	P < 0.005	P > 0.05
Female	ED	Test 1	P < 0.001	P > 0.05	P < 0.01	P > 0.05
		Test 2	P < 0.001	P > 0.05	P < 0.001	P > 0.05
	YA	Test 1	P < 0.005	P < 0.01	P > 0.05	P > 0.05
		Test 2	P < 0.05	P < 0.05	P > 0.05	P > 0.05
	OA	Test 1	P < 0.01	P < 0.005	P > 0.05	P > 0.05
		Test 2	P < 0.05	P > 0.05	P > 0.05	P < 0.05