

Supplemental Data -

Influences of maternal and paternal PTSD on epigenetic regulation of the glucocorticoid receptor gene in Holocaust survivor offspring

Supplementary Table 1. qPCR target sequences and associated UPL probes

Gene	mRNA Sequence	Universal Probe Library Probe #
NR3C1 exon 1F	aactcgggtggcctcttaacgccgccca gagagaccagttgatattcactgatggact ccaagaa	67
GAPDH	agccacatcgctcagacaccatggggaag gtgaaggctcggagcaacggatttggctg attgggc	60
ACTB	ccaaccgcgagaagatgaccagatcatg tttagacctcaacacccagccatgtac gttgctatccaggctgtgctatccctgtac cctctgg	64
B2M	ttctggcctggaggctatccagcgtactcc aaagattcagtttactcacgtcatccagca gagaatggaaagtcaatttctga	42
RPLP0	gatcccaggaagacagggcgacctgg aagtccaactactccttaagatcatccaact attggatgattatccgaaatgttcattgtgg gagcaga	85

Gene expression primers and probes were designed based on the National Center for Biotechnology Information (NCBI) sequence (NM_004117.2) using the ProbeFinder v2.50 software (Roche, Madison, Wisconsin, <http://www.roche-applied-science.com>).

Supplementary Table 2. Characteristics of Controls and Offspring with No Parental PTSD

	Comparison Subjects (n=15)		No Parental PTSD (n=15)		Analysis		
	Mean	SD	Mean	SD	t	df	p
Age	58.7	11.2	55.7	7.3	-.85	1, 28	ns
Body Mass Index	27.54	5.0	27.09	4.44	-.26	1, 28	ns
Education (years)	18.2	2.4	17.9	1.4	-.37	1, 28	ns
Depressive symptoms ^a	7.07	5.51	7.0	3.12	-.041	1, 28	ns
Anxiety symptoms ^b	28.57	21.43	28.17	11.99	-.062	1, 27	ns
Childhood Trauma ^c	6.8	1.9	7.1	1.8	.50	1, 28	ns
	N	%	N	%	χ^2	df	p
Female	9	60	7	46.67	.54	1	ns
Major depressive disorder ^d	6	40	5	33.3	.144	1	ns
Anxiety disorder ^e	3	20	6	40	1.43	1	ns

^aBeck Depression Inventory.

^bSpielberger State Trait Anxiety Inventory total score.

^cChildhood Trauma Questionnaire total score.

^dData indicate the current or lifetime Structured Clinical Interview for DSM-IV (SCID) diagnosis of major depressive disorder.

^eData indicate the current or lifetime SCID diagnosis of an axis I anxiety disorder.