TABLE 4. Foci of activations correlating with estradiol levels in the <u>follicular</u> phase <u>during anticipation of rewards with maximal uncertainty</u> and <u>at the time of reward delivery</u>. All areas were significant at P < 0.005, uncorrected for multiple comparisons (random effects model).

Anatomical structure	Positive correlation with estradiol during anticipation of rewards with maximal uncertainty		Negative correlation with estradiol during anticipation of rewards with maximal uncertainty		Positive correlation with estradiol at the time of reward delivery *versus* no reward delivery		Negative correlation with estradiol at the time of reward delivery *versus* no reward delivery	
	Peak MNI coordinates	Z-value	Peak MNI coordinates	Z-value	Peak MNI coordinates	Z-value	Peak MNI coordinates	Z-value
	x y z		x y z		x y z		x y z	
Right hippocampus	30 -23 -15	3.1						
Left hippocampus	-30 -11 -23	2.65						
Middle Temporal gyrus	46 -4 -11	3.92						
Right Inf. temporal gyrus	49 -53 -8	3.22						
Left Post-central gyrus	-42 -4 15	3.04						
Right Post-central gyrus	42 -4 11	3.1						
Right sup. Parietal cx	27 -57 65	3.64						
Hypothalamus			4 -4 -4	3.24				
Left fronto-polar cortex			-38 61 15	3.68	-38 42 11	2.9		
Right fronto-polar cortex			30 65 11	3.3	34 49 11	3.42		
Left dorsolateral PFC					-46 8 27	3.14		
Right dorsolateral PFC			42 23 38	3.4	34 15 27	3.08		
Right sup. frontal gyrus			4 42 57	3.92	30 19 53	3.66		
Anterior cingulate cx			4 49 19	3.12	4 -4 49	2.88		
Thalamus			-15 -11 4	3.16				
Pre-cuneus			-11 -80 49	3.74				
Left motor cortex							-38 -27 65	2.99
m. occipital gyrus							23 -84 4	2.95