

TABLE 5. Foci of activations correlating with progesterone and estradiol levels in the luteal phase during anticipation of rewards with maximal uncertainty and at the time of reward delivery. All areas were significant at P < 0.005, uncorrected for multiple comparisons (random effects model).

Anatomical structure	Positive correlation with progesterone during anticipation of rewards with maximal uncertainty				Negative correlation with progesterone during anticipation of rewards with maximal uncertainty				Positive correlation with progesterone at the time of reward delivery versus no reward delivery				Negative correlation with progesterone at the time of reward delivery versus no reward delivery				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	Peak MNI coordinates			Z-value	Peak MNI coordinates			Z-value								
	x	y	z		x	y	z		x	y	z		x	y	z		x	y	z		x	y	z		x	y	z					
Right amygdalo-hippocampal complex	27	-19	-11	3.13										23	0	-23	2.99	23	0	-23	3.33											
Left amygdalo-hippocampal complex	-34	-30	-8	2.84																			-23	4	-15	2.65						
Right putamen	30	8	-11	4.3																												
Left putamen	-27	8	0	3.2																												
Left insula	-46	-8	4	3.08																												
Right fronto-polar cx	27	65	0	3.43				23	57	-4	3.54																					
Left frontopolar cx								-30	65	-8	3.54				-8	65	-4	3.23							-11	72	8	3.33				
Right sup. frontal cx					27	34	53	3.13																19	46	34	3.5					
Right ventrolateral PFC									38	34	11	3.77																				
Left intra-parietal cx									-27	-65	38	3.21																				
R. posterior orbitofrontal cx													19	11	-15	3.14	15	11	-15	2.61												
L. posterior orbitofrontal cx													-27	8	-19	2.81																
Left lateral prefrontal cx													-53	15	23	3.39																
Left post central gyrus													-38	-34	49	3.46																
Right post central gyrus													38	-30	53	3.35																
Anterior cingulate cortex									11	49	15	3.05													8	46	11	3.12				
Middle temporal gyrus	-53	-46	-8	3.09																			46	-72	15	3.15						
Left fusiform gyrus									-23	-42	-15	3.28											-30	-87	8	3.29						
Left occipital gyrus									-15	-68	11	3.38																				