

Supplementary Table 4. Positive correlation between patients' affective flattening (SANS global score) and cerebral response to masked fearful versus neutral facial expressions

Anatomical region	BA	Side	Cluster size	x	y	z	Z-score	p-value (uncorr.)
Parahippocampal gyrus, lingual gyrus, cerebellum	27, 30	L	246	-12	-40	-4	4.97	<0.000004
Parahippocampal gyrus, cerebellum, thalamus	28, 35	R	105	16	-30	-14	4.57	<0.000003
Cerebellum	-	R	134	24	-52	-28	4.48	<0.000004
Putamen	-	R	78	24	4	10	3.99	<0.00004
FFG, ITG, MOG	19, 37	R	81	48	-60	-20	3.95	<0.00004
Cerebellum	-	L, R	83	-2	-70	-26	3.92	<0.00005
Precentral gyrus, postcentral gyrus, MidFG	2, 3, 4, 6	L	148	-44	-26	54	3.82	<0.00007
FFG, IOG	18	L	15	-30	-88	-18	3.77	<0.00009
Parahippocampal gyrus, cerebellum	36	L	138	-24	-44	-26	3.74	<0.0001
Cerebellum	-	R	20	8	-38	-28	3.71	0.00010
Thalamus	-	R	56	-2	-20	6	3.65	0.00013
Postcentral gyrus	4	L	17	-12	-42	64	3.64	0.00014
Precentral gyrus, postcentral gyrus, IPL	2, 3, 4, 40	L	63	-38	-36	62	3.63	0.00014
Parahippocampal gyrus, amygdala	-	R	44	30	0	-14	3.52	0.00022
STG, IFG	38, 47	L	19	-40	14	-18	3.50	0.00023
Postcentral gyrus, TTG, STG	41, 42, 43	L	35	-60	-18	12	3.46	0.00027
Postcentral gyrus	1, 2	R	25	54	-30	56	3.31	0.00046

Results of a whole brain regression analysis conducted at $p < 0.001$, uncorrected, $k = 15$ voxels. Coordinates are given in MNI space and mark the maximal point of activation. MidFG: Middle frontal gyrus, IFG: inferior frontal gyrus, STG: superior temporal gyrus, IOG: inferior occipital gyrus, FFG: fusiform gyrus, TTG: transverse temporal gyrus, IPL: inferior parietal lobule, SANS: Scale for the Assessment of Negative Symptoms, MNI: Montreal Neurological Institute