

**Supplementary Table 2.** Correlations between mean oxy-Hb changes and the other five BACS-J subscale scores

Correlation analysis	Clinical variables	Correlation coefficient	p value
Pearson	Verbal memory	-0.641 to 0.497	0.010 to 0.977
	Verbal fluency	-0.612 to 0.552	0.009 to 0.985
	Attention and speed of information processing	-0.554 to 0.276	0.032 to 0.994
	Executive function	-0.418 to 0.335	0.121 to 0.989
Spearman	Working memory	-0.447 to 0.383	0.063 to 0.965

oxy-Hb: oxygenated hemoglobin, BACS-J: Japanese version of the Brief Assessment of Cognition in Schizophrenia