

# A consensus protocol for functional connectivity analysis in the rat brain

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## Supplementary Tables

**Supplementary Table 1 | Magnetic field strength-dependent parameters for the StandardRat acquisition protocol.**

	3T	4.7T	7T	9.4T	11.7T	14.1T	17.2T
<b>TE [ms]</b>	30	25	17	15	12	10	9
<b>Flip angle [degree]</b>	64	61	55	53	52	51	50
<b>Receiver bandwidth [kHz]</b>	180	200	220	250	250	300	300

**Supplementary Table 2 | Confound correction model.**

<b>Confound model</b>	<b>Low-pass filter</b>	<b>Nuisance regression</b>	<b>Other</b>	<b>RABIES arguments</b>
<i>aromas</i>	0.1 Hz	ICA-AROMA	-	--lowpass 0.1 --run_aroma --aroma_dim 10
<i>aromal</i>	0.2 Hz	ICA-AROMA	-	--lowpass 0.2 --run_aroma --aroma_dim 10
<i>aromasr</i>	0.1 Hz	ICA-AROMA	Framewise displacement censoring together with 1 back and 2 forward frames at FD threshold 0.05	--lowpass 0.1 --run_aroma --aroma_dim 10 --FD_censoring
<i>WMCSFs</i>	0.1 Hz	White matter + Cerebrospinal fluid + motion	-	-lowpass 0.1 --conf_list WM_signal CSF_signal mot_6
<i>GSRs</i>	0.1 Hz	Global signal regression + motion	-	--lowpass 0.1 --conf_list global_signal mot_6

**Supplementary Table 3 | Chi-square frequency test ( $\chi^2$ ) for connectivity categories in the StandardRat collection. N = 207 rats.**

Effect	Effect size ( $\phi$ )	Degrees of freedom	g-value	p-value
<b>Strain</b>	0.15	6	8.77	0.19
<b>Sex</b>	0.07	3	2.16	0.54
<b>Field strength</b>	0.19	12	14.89	0.25