

## Supplementary Table:

Gamma-band synchronization in visual cortex predicts speed of change detection

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	LFP - power		Spike-field coherence	
	monkey P	monkey R	monkey P	monkey R
42-72 Hz	-0.05*** (68 %)	-0.10*** (100 %)	-0.01* (59 %)	-0.02* (58 %)
8-12 Hz	0.03** (70 %)	0.02 (58 %)	0 (44 %)	0.02*** (63 %)

**Supplementary Table:** Average Fisher z-transformed correlation coefficients for LFP-power and spike-field coherence with reaction time for monkey P and monkey R for the gamma frequency band and the alpha/beta frequency band. The correlations are averages of the analysis windows zero-centered within the time interval from 0 - 75 ms after the change event. Stars denote significance levels of correlations (\* =  $p < 0.05$ , \*\* =  $p < 0.01$ , \*\*\* =  $p < 0.001$ ). The number in brackets show the proportion of cells with negative reaction time correlations (for the 42-72 Hz frequency range) and positive reaction time correlations (for the 8-12 Hz frequency range).