

## S2 Table

<b>ACC</b> Recording site #4	<b>ACC</b> Recording site #7	<b>RSC</b> Recording site #4	<b>RSC</b> Recording site #7
1.22	1.61	1.83	0.49
0.48	2.17	0.54	1.25
0.73	3.19	0.88	0.28
1.29	1.19	0.29	2.64
0.7	1.11	1.07	2.25
1.28	3.03	0.18	--
0.45	2.89	0.28	--
0.65	1.82	--	--
1.77	3.21	--	--
3.26	1.85		
0.64	1.99		
1.3	0.79		
0.39	2.18		
1.31	4.06		
0.46	3.06		
0.58	1.56		
1.23	2.56		
2.57	1.15		
0.61	4.88		
0.49	11.68		
0.47	5.03		
1.01	10.54		
1.22	4.51		
1.91	3.38		
1.44	1.46		
0.15	7.05		
0.19	8.11		
0.6	--		
0.65			
3.14			
1.45			
2.33			
0.6			
1.49			
0.77			
1.31			
2.64			
0.39			
2.15			

0.92  
1.73  
0.46  
0.97  
2.88  
0.79  
2.02  
0.68  
0.88  
1.01  
0.33  
2.18  
0.81  
1.16  
1.83  
0.62

**S2 Table.**

Values (in ms) of the standard deviation (S.D.) of the latencies recorded in the anterior cingulate cortex (**ACC**) and retrosplenial cortex (**RSC**) at an ipsilateral recording site (recording site #4) and a contralateral recording site (recording site #7). Each value is the standard deviation of the latencies of ten consecutive responses recorded in one slice at the indicated recording site. The values in this table are averaged in figure 4C of the main text.