

Supplementary Table 1.  
Stereotaxic coordinates and *t*-values of activation foci

Condition/Analysis	Region	<i>x</i>	<i>y</i>	<i>z</i>	<i>t</i> -value
<b>Experiment 3:</b>					
Same-Different discrimination (SD) minus baseline	L Motor/Sensory	-44	-28	54	8.57
	L Med Frontal (SMA)	-3	5	54	3.67
	Cerebellum	15	-52	-20	5.39
		0	-68	-18	4.37
Right-Left discrimination (RL) minus baseline	L Motor/Sensory	-43	-31	53	7.29
	L Med Frontal (SMA)	-7	-1	56	4.38
	Cerebellum	20	-56	-17	5.16
	L DL Frontal	-57	3	29	3.53
	L Putamen	-24	-7	11	4.29
	R Ant Cingulate	7	15	-12	3.55
5-finger localization (L5) minus baseline	L Motor/Sensory	-42	-26	57	10.03
	R Inf Parietal	46	-33	45	5.35
		35	-54	47	4.58
	R Sup Parietal	17	-62	59	3.78
	L Sup Parietal	-24	-57	59	3.89
	R DL Frontal	46	3	28	3.92
	L Med Frontal	-8	-11	56	5.31
	(SMA)	-1	18	44	3.93
	R Sup Frontal	30	-1	56	4.85
	R Ant Frontal	39	44	8	4.08
	R Insula	36	20	3	4.50
	L Insula	-40	-4	12	3.68
	Cerebellum	13	-52	-20	4.35
		-5	-62	-20	4.19
		-3	-59	-8	3.78

Supplementary Table 1 (continued)  
Stereotaxic coordinates and t-values of activation foci

Condition/Analysis	Region	x	y	z	t-value
Joystick localization (LJ) minus baseline	L Motor/Sensory	-40	-38	50	10.18
		-35	-21	62	9.04
	R Inf Parietal	50	-33	47	8.56
		37	-47	47	7.64
	R Med Parietal	13	-69	57	5.88
	L Med Parietal	-8	-76	53	4.05
	R DL Frontal	48	8	30	3.98
	R Ant Frontal	36	49	20	3.75
	R Med Frontal	9	1	57	5.05
	L Med Frontal	-8	-9	56	6.55
	(SMA)	-3	10	47	5.62
	L Sup Frontal	28	-1	57	5.49
		30	-14	62	5.19
	R Insula	38	13	2	4.62
	Cerebellum	17	-50	-20	4.64
	28	-50	-23	3.74	
	3	-71	-21	3.54	
<b>Covariation with behavioral measure</b>					
L5	(no significant covariations)				
	R Inf Parietal	47	-28	59	2.78*
LJ	R Inf Parietal	47	-28	48	4.14
	R Sup Frontal	28	1	54	4.15
	L Sup Frontal	-19	1	64	3.75
	M Sup Frontal	0	3	65	3.73
	R Med Frontal	4	12	60	4.06
	L Med Frontal	-9	-20	59	4.01
	L Med Parietal	-15	-54	63	3.65
	R Precentral	3	-37	65	3.83

\* This value is below the statistical threshold ( $t > 3.5$ ) but is included because of its proximity (11 mm) to the right inferior parietal focus in the LJ covariation.