

Table S1. Brain network activated (“+”) / deactivated (“-”) by the DS task: DS minus “no task”. Brain regions are ordered by the decrease in the region’s volume involved in the activity of the corresponding component.

Component #	t-value	p-value FDR _{corr}	Brain Region	Brodmann Areas	Volume, cc
4	4.05	0.011	+Extra-Nuclear	*	20,00
			+Lateral Ventricle	*	15,50
			+Caudate	*	6,80
			+Sub-Gyral	*	3,40
			+Thalamus	*	2,80
			+Cingulate Gyrus	24	2,50
			+Superior Frontal Gyrus	6, 8, 9, 10	2,50
			+Inferior Parietal Lobule	40	0,90
			-Middle Temporal Gyrus	19, 21	2,7
			-Superior Frontal Gyrus	6, 9, 10	2,3
			-Middle Frontal Gyrus	6, 8, 9, 10, 11, 47	2,2
			-Inferior Frontal Gyrus	47	1,6
			-Middle Occipital Gyrus	18, 19	1,6
			-Precentral Gyrus	6	1,4
			-Superior Temporal Gyrus	22, 38	1,3
			-Lingual Gyrus	18	1,2
			-Inferior Parietal Lobule	39, 40	1

Table S2. Brain network activated (“+”) / deactivated (“-”) by task: DS minus DN. Brain regions are ordered by the decrease in the region’s volume involved in the activity of the corresponding component.

Component #	t-value	p-value FDR _{corr}	Brain Region	Brodmann Areas	Volume, cc
3	3.41	0.018	+Middle Temporal Gyrus	19, 21, 22, 37, 39	13,5
			+Superior Temporal Gyrus	13, 22, 39, 41, 42	10,1
			+Inferior Parietal Lobule	7, 39, 40	8,6
			+Supramarginal Gyrus	40	4,7
			+Middle Occipital Gyrus	19, 37	4
			+Superior Frontal Gyrus	6, 8, 9, 10	3
			+Middle Frontal Gyrus	6, 10, 46	2,7
			+Precuneus	7, 19, 39	2,1
			+Sub-Gyral	*	2,1
			+Angular Gyrus	39	2
			+Postcentral Gyrus	2, 5, 7, 40	1,2
			+Inferior Temporal Gyrus	19, 37	1,1
			-Middle Occipital Gyrus	18, 19	3,1
			-Postcentral Gyrus	3, 7	3
			-Medial Frontal Gyrus	6, 10	2,3

			-Lingual Gyrus	17, 18	1,9
			-Precuneus	7, 19	1,3
			-Superior Frontal Gyrus	6, 8, 9, 10	1,3
			-Lateral Ventricle	*	1,3
			-Inferior Parietal Lobule	7, 39, 40	1,1
			-Cuneus	7, 17, 18, 19	0,9
30	3.68	0.011		9, 10, 13, 44, 45, 46,	
			+Inferior Frontal Gyrus	47	16
			+Superior Temporal Gyrus	13, 21, 22, 38, 39, 42	8,9
			+Middle Frontal Gyrus	6, 8, 9, 10, 11, 46, 47	6,1
			+Middle Temporal Gyrus	19, 21, 22, 37, 39	6,1
			+Middle Occipital Gyrus	18, 19, 37	3,5
			+Superior Frontal Gyrus	6, 8, 9, 10	1,8
			+Culmen	*	1,6
			+Sub-Gyral	*	1,3
			+Postcentral Gyrus	1, 2, 3, 7, 40	1,1
			-Superior Frontal Gyrus	6, 8, 9, 10	7,7
			-Middle Frontal Gyrus	6, 8, 9, 10	4,7
			-Cuneus	7, 18, 19	3,2
			-Precuneus	7, 19, 31	2,5
			-Inferior Parietal Lobule	39, 40	2,1
			-Parahippocampal Gyrus	28, 34	1,7
			-Sub-Gyral	21	1,4
			-Postcentral Gyrus	1, 2, 5, 40, 43	1,3
			-Precentral Gyrus	6	1,2
			-Extra-Nuclear	13	1
40	-3.25	0.022	+Precentral Gyrus	4, 6	16,1
			+Superior Frontal Gyrus	6, 8, 9, 10	11,8
			+Middle Frontal Gyrus	6, 9, 10	9,3
			+Postcentral Gyrus	1, 2, 3, 5, 7, 40, 43	5,9
			+Medial Frontal Gyrus	6, 8, 10	5,7
			+Sub-Gyral	6, 40	4,3
			+Inferior Frontal Gyrus	9, 45, 46, 47	1,8
			+Inferior Parietal Lobule	40	1,3
			-Middle Frontal Gyrus	6, 8, 9, 10, 46	5
			-Middle Temporal Gyrus	19, 21, 39	3,6
			-Superior Frontal Gyrus	6, 8, 9, 10	3
			-Precuneus	7, 19, 31, 39	2,6
			-Inferior Parietal Lobule	40	2,5
			-Superior Parietal Lobule	7	1,7
			-Middle Occipital Gyrus	18, 19	1,6
41	-4.03	0.012	+Extra-Nuclear	*	16,1
			+Lentiform Nucleus	*	15,8
			+Inferior Frontal Gyrus	44, 45, 46, 47	5,1
			+Cuneus	17, 18, 19	3,2
			+Middle Temporal Gyrus	19, 21, 37, 39	3,1

			+Lingual Gyrus	17, 18	2,7
			+Caudate	*	2,6
			+Middle Occipital Gyrus	18, 19, 37	2,3
			+Middle Frontal Gyrus	6, 8, 9	2,2
			+Precuneus	7, 19	1,1
			+Precentral Gyrus	6, 44	1,1
			+Superior Frontal Gyrus	6, 8, 9, 10	1,1
			-Middle Frontal Gyrus	6, 8, 9, 10, 47	6,2
			-Inferior Parietal Lobule	40	4,1
			-Superior Frontal Gyrus	6, 8, 9, 10	3,2
			-Inferior Frontal Gyrus	9, 47	2,5
			-Superior Temporal Gyrus	22, 38	1,8
			-Superior Parietal Lobule	5, 7	1,4
			-Middle Temporal Gyrus	21	1,4
48	3.78	0.012	+Posterior Cingulate	23, 29, 30	6,4
			+Lingual Gyrus	18, 19	6,1
			+Parahippocampal Gyrus	27, 28, 30, 34, 35, 36	5,9
			+Precuneus	7, 19, 23, 31	5,3
			+Extra-Nuclear	*	4,2
			+Thalamus	*	3,7
			+Superior Temporal Gyrus	22, 38, 41, 42	3
			+Culmen	*	1,7
			+Cuneus	7, 18, 19, 30	1,7
			+Middle Occipital Gyrus	18, 19	1,4
			+Superior Frontal Gyrus	6, 8, 9, 10	1,3
			+Fusiform Gyrus	19, 20, 37	1,3
			-Superior Frontal Gyrus	6, 8, 9, 10	2
			-Cuneus	18, 19	1
			-Middle Temporal Gyrus	19, 21, 39	1
			-Inferior Frontal Gyrus	9, 44, 45, 46	0,9
			-Superior Frontal Gyrus	6, 8, 9, 10	2