

Supplemental Figure S1 Individual Responses to SCC DBS Over 8 Years

	1 year	2 years	3 years	4 years	5 years	6 years	7 years	8 years	% improvement
1	26	52	37	31	42	46	45	59°	>75%
2*	45	65	53	51	58	66	68	46	50-74%
3	42	49	57	43	63	80	55	80	25-49%
4	30	65	51	61	85	85	70	68	<25%
5	26	27	exit	exit	exit	exit	exit	exit	
6	22	exit	exit	exit	exit	exit	exit	exit	
7	17	35	39	57	63	71	59	61	>75%
8	71	34	59	49	41	35	16	72	<25%
9	45	51	51	61	49	exit	exit	exit	
10	51	69	67	73	64	100	50	48	>75%
11	53	76	53	78	88	60	76	79	>75%
12	38	46	63	64	64	72	66	57	>75%
13	47	49	80	81	78	51°	75	82	>75%
14	82	95	92	55	68	5†	79	77	>75%
15*	23	29†	55	20	30	47	18	2	<25%
16	21	16	36	20	20	43	52	56	>75%
17	23	71•	71	62	81	92	81	88	>75%
18	40	44	58	65	40†	37			
19	65	53	53	32	15†	45			
20	49	58†	61	73	78	78			
21	53	78	83	91•	100	100			
22	24	44	19	32	39	46			
23	27	60	61	63	63				
24	55	44	44	34†	40				
25	75	65	72	90	80				
26	66	80	84	78	72				
27	76	80	93	95					
28	68	65	86	54					
N	28	27	26	26	24	19	14	14	

Longitudinal antidepressant response by year in 28 SCC DBS for TRD subjects. Improvement from baseline HDRS-17 was calculated according to the IDI method and expressed as a percent. Grey boxes represent bipolar diagnosis. Colors represent % improvement relative to baseline. Given baseline HDRS-17 scores, dark blue almost always represents remission ($IDI-D \leq 7$). Based

on study criteria, light blue always represents treatment response. Orange indicates a partial response. Red is less than 25% improvement from baseline.

*Participant exited the study after most recent time point. †Broken DBS system °Participant delayed battery replacement by several months, resulting in prolonged loss of stimulation •Permanently discontinued medications