

Supplemental Material S4. Independent sample *t*-test results for background noise effects.

	Aphasia				Control			
	<i>t</i>	<i>df</i>	<i>p</i>	<i>d</i>	<i>t</i>	<i>df</i>	<i>p</i>	<i>d</i>
<i>f</i> ₀								
Conversation	2.465	10	.033	0.74	5.434	10	<.001	1.64
Monologue	1.027	10	.329	0.31	2.513	10	.031	0.76
Phone Call	0.151	9	.884	0.05	2.218	10	.051	0.67
Cocktail Party	2.262	10	.047	0.68	3.473	10	.006	1.05
Pink	1.519	9	.163	0.48	4.170	10	.002	1.26
<i>dB</i>								
Conversation	2.937	10	.015	0.89	5.982	9	<.001	1.89
Monologue	1.829	10	.097	0.55	4.507	9	.001	1.43
Phone Call	1.713	9	.121	0.54	6.196	9	<.001	1.96
Cocktail Party	3.194	10	.010	0.96	6.955	9	<.001	2.20
Pink	2.489	9	.034	0.79	4.201	9	.002	1.33
Speech Rate								
Conversation	-1.676	10	.125	0.51	-0.952	10	.364	0.29
Monologue	0.350	10	.733	0.11	-0.528	10	.609	0.16
Phone Call	-0.993	9	.347	0.31	-1.169	10	.270	0.35
Cocktail Party	-0.776	10	.456	0.23	-1.101	10	.297	0.33
Pink	-0.549	9	.596	0.17	-1.013	10	.335	0.31
Disfluent Words								
Conversation	-1.514	10	.161	0.46	0.453	9	.661	0.14
Monologue	-0.053	10	.959	0.02	-1.214	9	.256	0.38
Phone Call	-0.996	9	.345	0.31	-0.404	9	.696	0.13
Cocktail Party	-1.626	10	.135	0.49	-0.780	9	.444	0.25
Pink	-0.465	9	.653	0.15	-1.219	9	.254	0.39
Pause Time Ratio								
Conversation	0.599	10	.564	0.18	0.320	10	.756	0.10
Monologue	-0.809	10	.437	0.24	0.305	10	.767	0.09
Phone Call	-0.121	9	.906	0.04	-0.289	10	.777	0.09
Cocktail Party	-0.365	10	.723	0.11	0.051	10	.960	0.02
Pink	0.368	9	.721	0.12	-0.131	10	.898	0.04
Correct Information Units								
Conversation	-1.188	10	.262	0.36	0.341	10	.740	0.10
Monologue	-1.462	10	.174	0.44	0.611	10	.555	0.18
Phone Call	-1.686	9	.126	0.53	-0.657	10	.526	0.20

Cocktail Party	-0.051	10	.960	0.02	0.583	10	.573	0.18
Pink	-1.487	9	.171	0.47	1.762	10	.109	0.53
Lexical-Phonological Errors								
Conversation	-1.993	10	.074	0.60	-0.478	10	.643	0.14
Monologue	0.328	10	.750	0.10	1.460	10	.175	0.44
Phone Call	-0.826	9	.43	0.26	-2.167	10	.055	0.65
Cocktail Party	-1.623	10	.136	0.49	-0.079	10	.939	0.02
Pink	0.684	9	.511	0.22	0.888	10	.395	0.27
Lexical Diversity								
Conversation	-0.872	10	.404	0.26	2.127	10	.059	0.64
Monologue	0.149	10	.885	0.04	0.362	10	.725	0.11
Phone Call	-2.629	9	.027	0.83	0.795	10	.445	0.24
Cocktail Party	-0.938	10	.371	0.28	2.239	10	.049	0.68
Pink	-0.710	9	.496	0.22	0.746	10	.473	0.22
Grammatical Production								
Conversation	1.414	10	.188	0.43	1.794	10	.103	0.54
Monologue	-0.693	10	.504	0.21	-0.855	10	.413	0.26
Phone Call	1.481	9	.173	0.47	-0.241	10	.815	0.07
Cocktail Party	0.243	10	.813	0.07	-0.159	10	.877	0.05
Pink	1.814	9	.103	0.57	1.777	10	.106	0.54
Macrolinguistic Production								
Conversation	-1.572	10	.147	0.47	-0.683	10	.510	0.21
Monologue	-0.038	10	.971	0.01	1.265	10	.234	0.38
Phone Call	-0.629	9	.545	0.20	2.013	10	.072	0.61
Cocktail Party	1.773	10	.107	0.53	1.559	10	.150	0.47
Pink	-0.131	9	.899	0.04	1.872	10	.091	0.56

Note. f_0 = fundamental frequency; dB = intensity in dB SPL at 100 cm.