

**Supplemental Material S1.** Syllables, total content units (CUs), syllables/content unity (CU) and left:right CUs for participants with poststroke aphasia (individual data).

Participant	Syllables	Total CUs	Syllables/CU	Left:Right CUs
Case 1 Broca's	20**	4**	5	1
Case 2 Broca's	39*	8**	4.9	0.33
Case 3 Broca's	114	13*	8.8	0.63
Case 4 Broca's	26	8**	3.5*	1
Case 5 Broca's	28	9**	3.1*	0.14*
Case 6 Global	10**	0**	20++	N/A
Case 7 Fluent	135	23	5.9	0.62
Case 8 Fluent	56*	5**	11.2++	4++
Case 9 Unclassifiable	43*	1**	43++	NA
Case 10 Unclassifiable	56*	2**	28++	0*
Case 11 Fluent	98*	9**	10.9++	3.5++
Case 12 Unclassifiable	31*	2**	15.5++	1
Case 13 Unclassifiable	42*	4**	10.5++	3++
Case 14 Fluent	83*	11*	7.5+	0.83
Case 15 Fluent	130	14 *	9.3++	0.75
Case 16 Broca's	41*	8**	5.1	16++
Case 17 Broca's	44*	6**	7.3+	12++
Case 18 Broca's	24*	5**	4.8	0*
Case 19 Fluent	116	10**	11.6++	2.5++

*Note.* \* > 1 standard deviation below healthy controls; \*\* > 2 standard deviations below healthy controls.

+ >1 standard deviations above healthy controls; ++ >2 standard deviations above healthy controls.

Syllables, total content units (CUs), syllables/content unity (CU) and left:right CUs for participants with primary progressive aphasia (individual data).

<b>Participant</b>	<b>Syllables</b>	<b>Total CUs</b>	<b>Syllables/CU</b>	<b>Left:Right CUs</b>
Case 1 svPPA	129	12*	10.8++	2.7++
Case 2 unPPA	172	30	5.7	0.86
Case 3 lvPPA	206	25	8.2+	0.57
Case 4 lvPPA	329+	18*	18.3++	1.3+
Case 5 svPPA	51*	1**	51++	0*
Case 6 svPPA	65*	4**	16.3++	1
Case 7 lvPPA	89*	8**	11.1++	2++
Case 8 lvPPA	87*	9**	9.7++	1.3+
Case 9 svPPA	188	9**	20.9++	2++
Case 10 svPPA	23*	6**	3.8*	4++
Case 11 lvPPA	224	25	9++	0.92
Case 12 nfaPPA	40*	5**	8+	0.67
Case 13 svPPA	54*	0**	108++	N/A
Case 14 lvPPA	93*	8**	11.6++	1
Case 15 nfaPPA	56*	14*	4*	1.9+
Case 16 svPPA	161	6**	26.8++	0
Case 17 lvPPA	153	21*	7.3+	2++
Case 18 nfaPPA	32*	8**	4*	2++
Case 19 lvPPA	149	24	6.2	2.7++
Case 20 nfaPPA	160	27	5.9	1.9++
Case 21 lvPPA	146	18*	8.1+	1.5+
Case 22 svPPA	65*	5**	13++	0.33*
Case 23 lvPPA	82*	11*	7.5+	0.8

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Case 24 svPPA	135	13*	10.4++	1.5+
Case 25 lvPPA	133	13*	10.2++	0.8

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*Note.* \* > 1 standard deviation below healthy controls; \*\* > 2 standard deviations below healthy controls.

+ > 1 standard deviations above healthy controls; ++ > 2 standard deviations above healthy controls.