Supplemental Material S2. Quality assessments and results.

The quality assessments and their results of the behavioral and electrophysiological studies.

Table S1. Quality assessment of the behavioral studies.

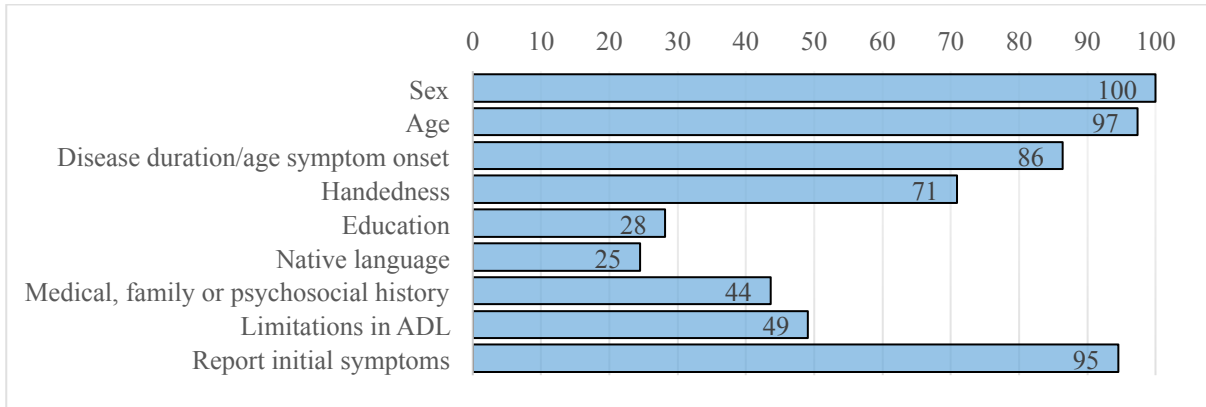|	**Research participants' description**	**/5**
1	Were the characteristics of the research participants described?	/4
1.1	*Sex*	/0,5
1.2	*Age*	/0,5
1.3	*Disease duration or age of symptom onset (in years)*	/0,5
1.4	*Handedness*	/0,5
1.5	*Education (in years)*	/0,5
1.6	*Native language*	/0,5
1.7	*Medical, family or psychosocial history*	/0,5
1.8	*Limitations in activities of daily living*	/0,5
2	Were the initial complaints described from the patient's perspective or the perspective of their environment?	/1
	Method initial diagnostic assessments	**/3**
3	Were the methods of the diagnostic assessments described?	/3
3.1	*Language and/or speech assessment(s)*	/1
3.2	*Neurological assessment*	/0,5
3.3	*Neuropsychological assessment*	/0,5
3.4	*Brain imaging*	/0,5
3.5	*Histopathologic or genetic assessment*	/0,5
	Results initial diagnostic assessments	**/4**
4	Were the results of the diagnostic assessments described?	/2
4.1	*Neurological assessment*	/0,5
4.2	*Neuropsychological assessment*	/0,5
4.3	*Brain imaging*	/0,5
4.4	*Histopathologic or genetic assessment*	/0,5
5	Were the results of the language and/or speech assessment(s) described?	/1
5.1	*Quantitative results*	/0,5
5.2	*Qualitative results*	/0,5
6	Is the description of the results detailed enough to determine the clinical variant of primary progressive aphasia?	/1
	Total score	**/12**

Figure S1. Quality of the description of research participants in the included behavioral studies. x-axis: percentage of included articles in which a specific question of the behavioral quality assessment was answered positively; y-axis: the question of the quality assessment.
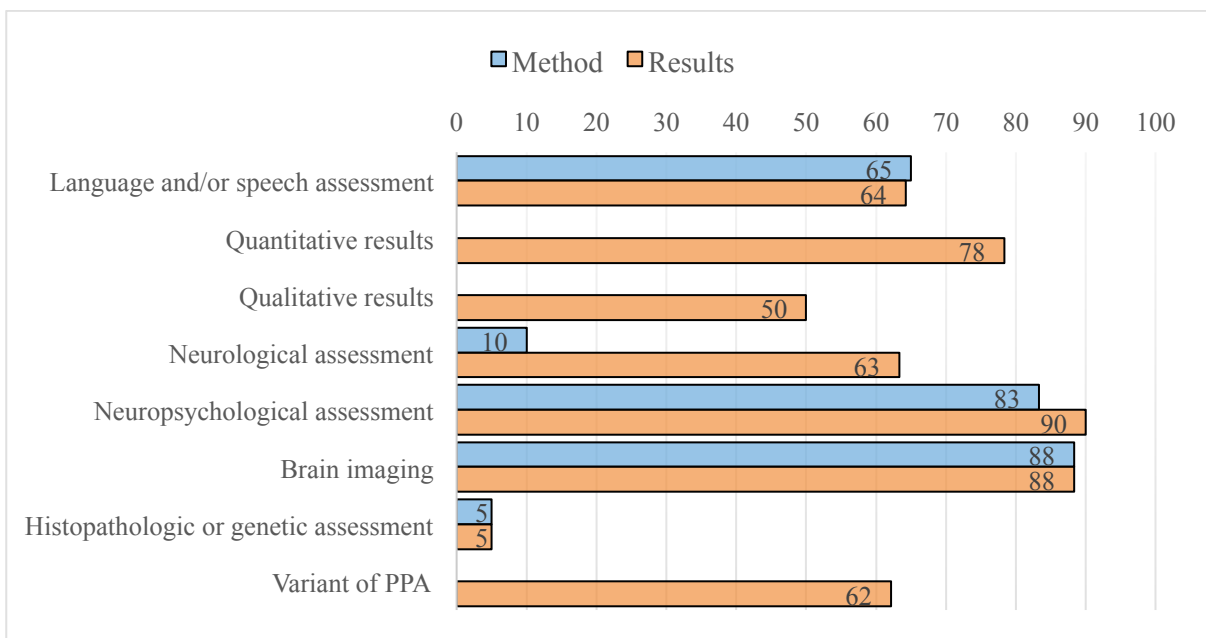

Figure S2. Quality of the method and the results of the initial diagnostic assessments in the included behavioral studies. x-axis: percentage of included articles in which a specific question of the behavioral quality assessment was answered positively; y-axis: the question of the quality assessment.

Table S2. Quality assessment of the electrophysiological studies.

	Introduction	/1
1	Was the research question or objective in this paper stated?	/1
	Method	**/9**
2	Were the characteristics of the research participants described?	/5
2.1	*Sex*	*/0,5*
2.2	*Age*	*/0,5*
2.3	*Disease duration or age of symptom onset (in years)*	*/0,5*
2.4	*Handedness*	*/0,5*
2.5	*Education (in years)*	*/0,5*
2.6	*Native language*	*/0,5*
2.7	*Description of the language and speech characteristics*	*/1*
2.8	*Variant of PPA*	*/1*
3	Was the electrophysiological measurement technique described?	/3
3.1	*Test procedure*	*/1*
3.2	*ERP data analysis*	*/1*
3.3	*Outcome variables*	*/1*
4	Were the statistical methods to analyze the electrophysiological data described?	/1
	Results	**/1**
5	Were the electrophysiological results described?	/1
	Discussion	**/1**
6	Were the electrophysiological results interpreted?	/1
	Total score	**/12**

Table S3. Quality scores of the included electrophysiological studies.

		Giaquinto (2009)	Grieder (2013)	Hurley (2009)	Hurley (2012)
1.	**Introduction (1)**	**1**	**1**	**1**	**1**
	Method (9)	**4.5**	**6.5**	**7.5**	**8**
2.	Research participants (5)	3.5	2.5	3.5	4
	2.1. Sex (0,5)	*0.5*	*0*	*0.5*	*0.5*
	2.2. Age (0,5)	*0.5*	*0.5*	*0.5*	*0.5*
	2.3. Disease duration (0,5)	*0.5*	*0*	*0*	*0*
	2.4. Handedness (0,5)	*0.5*	*0*	*0.5*	*0.5*
	2.5. Education (0,5)	*0*	*0.5*	*0.5*	*0.5*
	2.6. Native language (0,5)	*0.5*	*0.5*	*0.5*	*0*
	2.7. Language and speech characteristics (1)	*1*	*0*	*1*	*1*
	2.8. Variant of PPA (1)	*0*	*1*	*0*	*1*
3.	Measurement technique (3)	1	3	3	3
	3.1. Test procedure (1)	*1*	*1*	*1*	*1*
	3.2. ERP data analysis (1)	*0*	*1*	*1*	*1*
	3.3. Outcome variables (1)	*0*	*1*	*1*	*1*
4.	Statistical methods (1)	0	1	1	1
5.	**Results (1)**	**0**	**1**	**1**	**1**
6.	**Discussion (1)**	**0**	**1**	**1**	**1**
Total score (12)		**6.5**	**9.5**	**10.5**	**11**