

Web Table 3. Results of Meta-analysis and Sensitivity Analysis of the 6p (DYX2 Susceptibility Locus) Data

Locus	Reference	Meta-analysis entries	Pooled P-value	χ^2 p-value ¹	χ^2 p-value ²	χ^2 p-value ³	χ^2 p-value ⁴
DYX2							
<i>H: There is a gene present on chromosome 6p controlling for DD and/or one of the reading-related processes</i>							
	Field & Kaplan, 1998 ⁵ Petryshen et al., 2000 ⁶	All phenotypes	0.8688760	25.852762 0.0039433	19.707882 0.0321399	25.647062 0.004245	19.502182 0.0343288
	Fisher et al., 2002 ⁷	All phenotypes VC DF	0.0020591 0.0444650	13.762892 0.1840841 13.762892 0.1840841	 13.762892 0.1840841	13.557192 0.1941641	13.557192 13.557192
	Grigorenko et al., 2003 ⁸	All phenotypes SIMIBD LINKAGE	0.1847773 0.2047943	22.756672 0.0116813	16.611792 0.0834076	22.756672 0.0116813	16.611792 0.0834076
	Turic et al., 2003 ⁹	General DD phenotype	0.4388982	24.486896 0.0064078	18.342016 0.0494613	24.281196 0.006888	18.136316 0.0527074
	Deffenbacher et al., 2004 ¹⁰	All phenotypes	0.0339912	19.370572 0.0358006	13.225692 0.2113255	19.164872 0.0382178	13.019992 0.2225562
	Chapman et al., 2004 ¹¹	All phenotypes	0.4286334	24.439566 0.0065153	18.294686 0.0501916	24.233866 0.0070033	18.088986 0.053481

	All studies	All phenotypes		26.133872 0.0102753	19.988992 0.0672945	25.928172 0.0109879	19.783292 0.071298
<i>H: There is a gene present on chromosome 6p controlling for a specific reading-related componential process</i>							
	Petryshen et al., 2000	Phonemic Awareness	0.6645273	12.107416 0.0596149	8.159596 0.2266426	16.043460 0.0135226	12.095640 0.0598689
		Phonological Decoding	0.4813851	40.789514 0.0000003	38.186114 0.0000001	40.49785 0.0000004	37.89445 0.0000012
		Rapid Naming ¹²	0.9882624				
		Spelling ¹²	0.3747869				
	Fisher et al., 2002	Phonemic Awareness VC	0.0183381	4.9272140 0.5531819		8.863258 0.1814157	
		DF	0.1320116		4.927214 0.5531819		8.863258 0.1814157
		Phonological Decoding VC	6.981E-09	4.69149 0.5839457		4.399826 0.6227371	
		DF	2.566E-08		4.69149 0.5839457		4.399826 0.6227371
		Single-Word Reading VC	0.1037913	15.659114 0.0157054		11.507174 0.0739106	
		DF	0.2470701		15.659114 0.0157054		11.507174 0.0739106
		Spelling ¹² VC	0.0980581				
		DF	0.5000000				

		Orthographic coding ^{12, 13} VC	0.0199072				
		DF	0.2735857				
	Grigorenko et al., 2003	Phonemic Awareness SIMIBD	0.3892835	11.037878 0.0872128	7.090058 0.312599		
		LINKAGE	0.0543955			11.037878 0.0872128	7.090058 0.312599
		Phonological Decoding SIMIBD	0.4764322	40.76883 0.0000003	38.16543 0.000001		
		LINKAGE	0.5512328			40.76883 0.0000003	38.16543 0.000001
		Single-Word Reading SIMIBD	0.0339930	13.426654 0.0367394	11.692074 0.0692015		
		LINKAGE	0.2710018			13.426654 0.0367394	11.692074 0.0692015
		Rapid Naming ¹² SIMIBD	0.3914474				
		LINKAGE	0.4473675				
	Deffenbacher et al., 2004	Phonemic Awareness	0.3290710	10.701814 0.0980411	6.753994 0.3441981	14.637858 0.0232683	10.690038 0.0984417
		Phonological Decoding	0.4176019	40.505236 0.0000004	37.901836 0.0000012	40.213572 0.0000004	37.610172 0.0000013
		Single-Word Reading	0.0234048	12.680234 0.0484044	10.945654 0.0900707	8.528294 0.2018954	6.793714 0.3403466
		Orthographic Coding ¹²	0.0021559				

	Chapman et al., 2004	Single-Word Reading	0.5000000	18.80356 0.0045086	17.06898 0.009033	14.65162 0.0231465	12.91704 0.0443724
		Phonemic Decoding Efficiency ¹²	0.3738273				
	All studies	Phonemic Awareness		12.924774 0.1144642	8.976954 0.3387541	16.860818 0.0315914	12.912998 0.1148783
		Phonological Decoding		42.251690 0.0000012	39.648290 0.0000037	41.960026 0.0000014	39.356626 0.0000042
		Single-Word Reading		20.189854 0.00964115	18.455274 0.0180606	16.037914 0.0418406	14.303334 0.0741939
		Rapid Naming		1.8994220 0.7542512	1.899422 0.7542512	1.632364 0.8029639	1.632364 0.8029639
		Orthographic Coding		20.112480 0.0004745	14.871420 0.0049755	20.112480 0.0004745	14.87142 0.0049755
		Spelling		6.607238 0.3587002	3.349132 0.7639217	6.607238 0.3587002	3.349132 0.7639217

Notes:

¹Chi-square is calculated when Fisher et al.'s (2002) VC and Grigorenko et al.'s (2003) SIMIBD results are considered.

²Chi-square is calculated when Fisher et al.'s (2002) DF and Grigorenko et al.'s (2003) SIMIBD results are considered.

³Chi-square is calculated when Fisher et al.'s (2002) VC and Grigorenko et al.'s (2003) LINKAGE results are considered.

⁴Chi-square is calculated when Fisher et al.'s (2002) DF and Grigorenko et al.'s (2003) LINKAGE results are considered.

⁵Table 3

⁶Table 4

⁷Table C

⁸Tables III & IV

⁹Table 2

¹⁰Table 3

¹¹The data were obtained from p. 71

¹²As only two samples contributed to the meta-analysis of this phenotype, the sensitivity analysis was not conducted.

¹³This entry reflects the results of the combined analysis for the phenotypes of Irregular words and Orthographic choice.