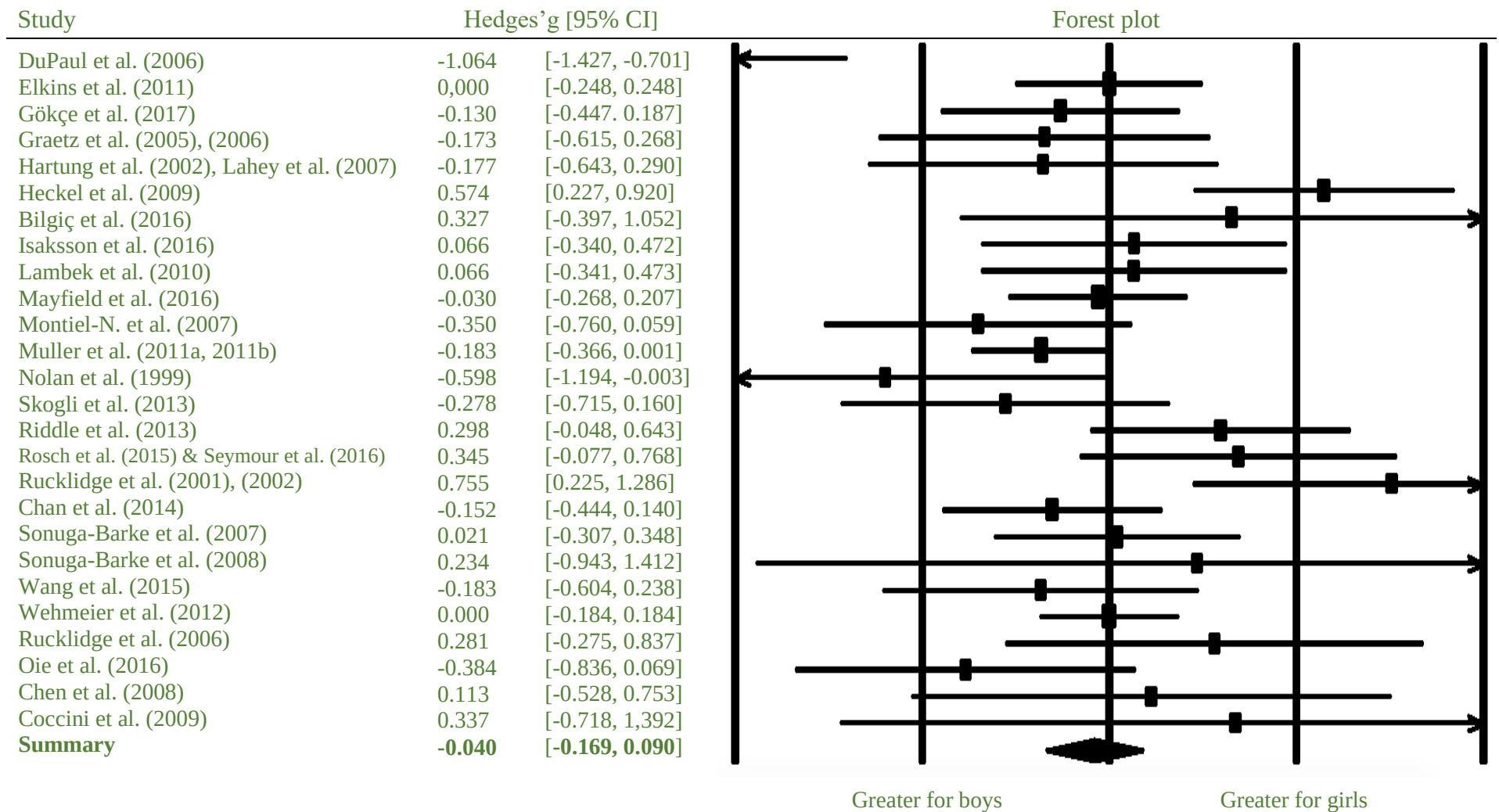
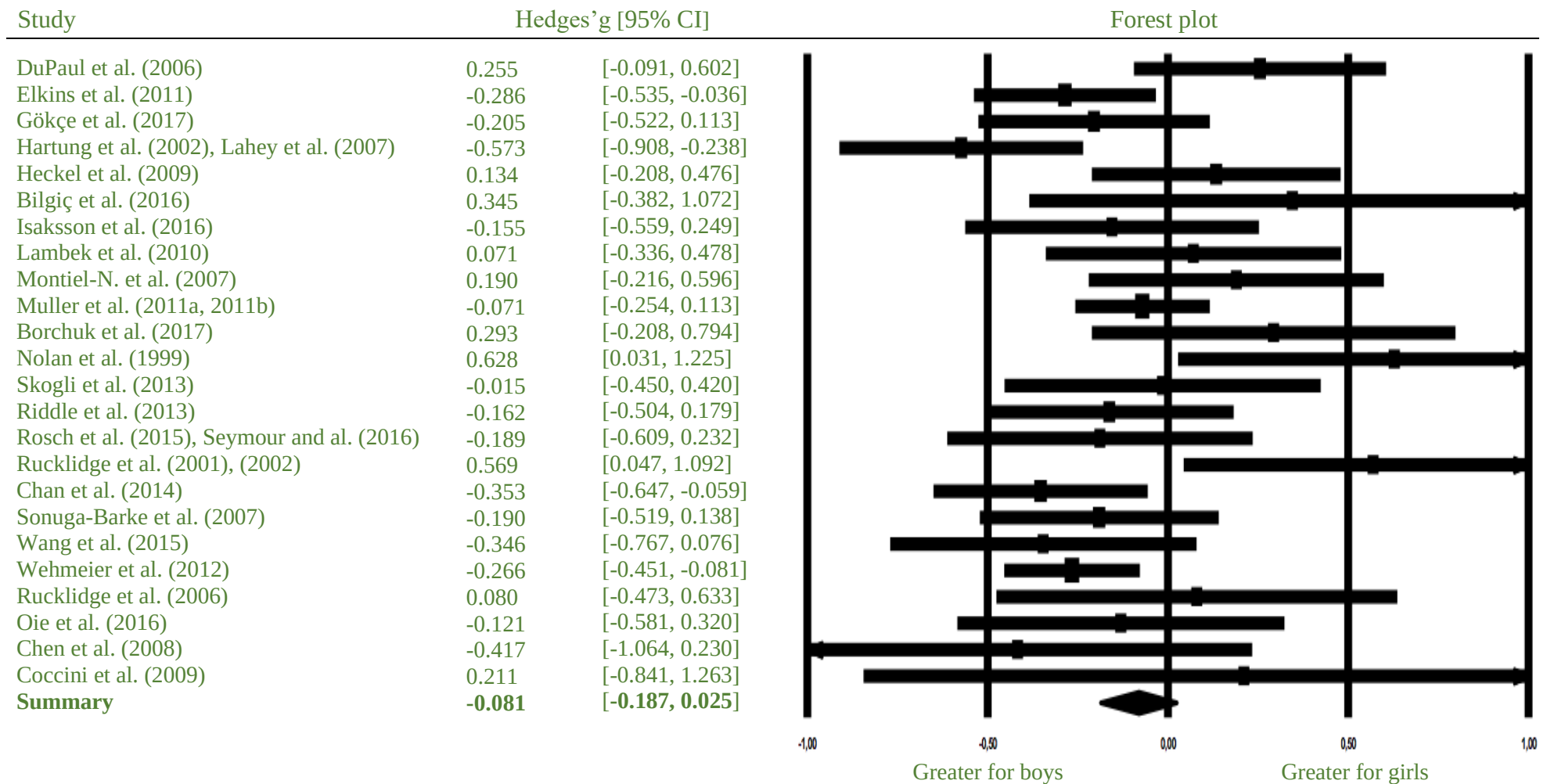




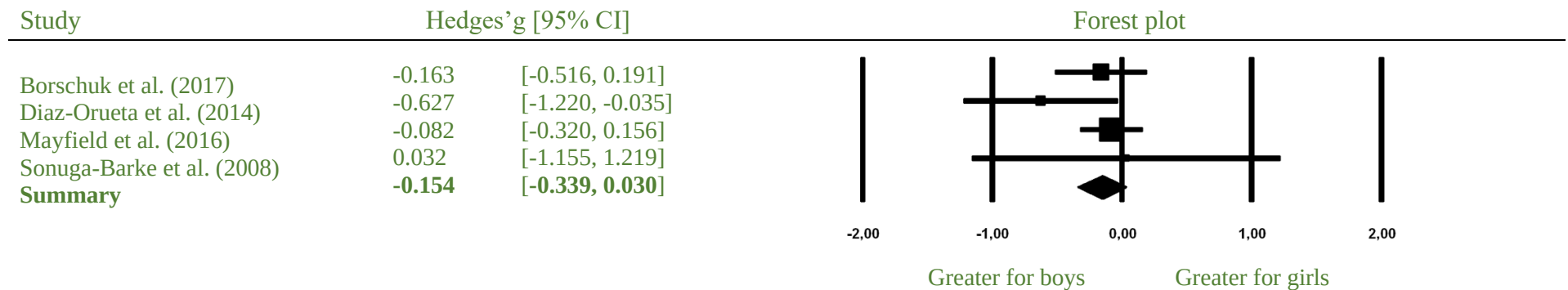
Supplementary Figure 1 Inattention symptoms: Differences between boys and girls with ADHD

Note. CI= confidence interval. A positive effect size indicated more severe symptoms in girls, whereas a negative effect size indicated more severe symptoms in boys.



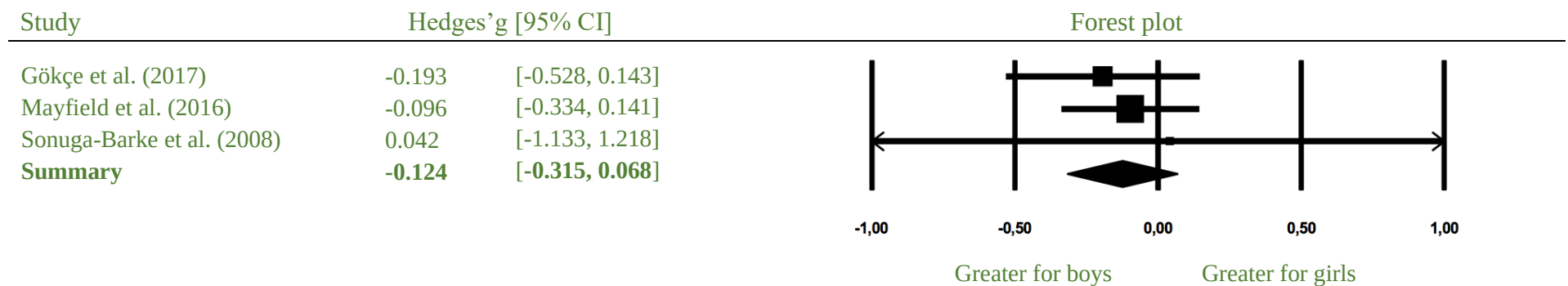
Supplementary Figure 2 Hyperactivity-impulsivity symptoms: Differences between boys and girls with ADHD

Note. CI= confidence interval. A positive effect size indicated more severe symptoms in girls, whereas a negative effect size indicated more severe symptoms in boys.



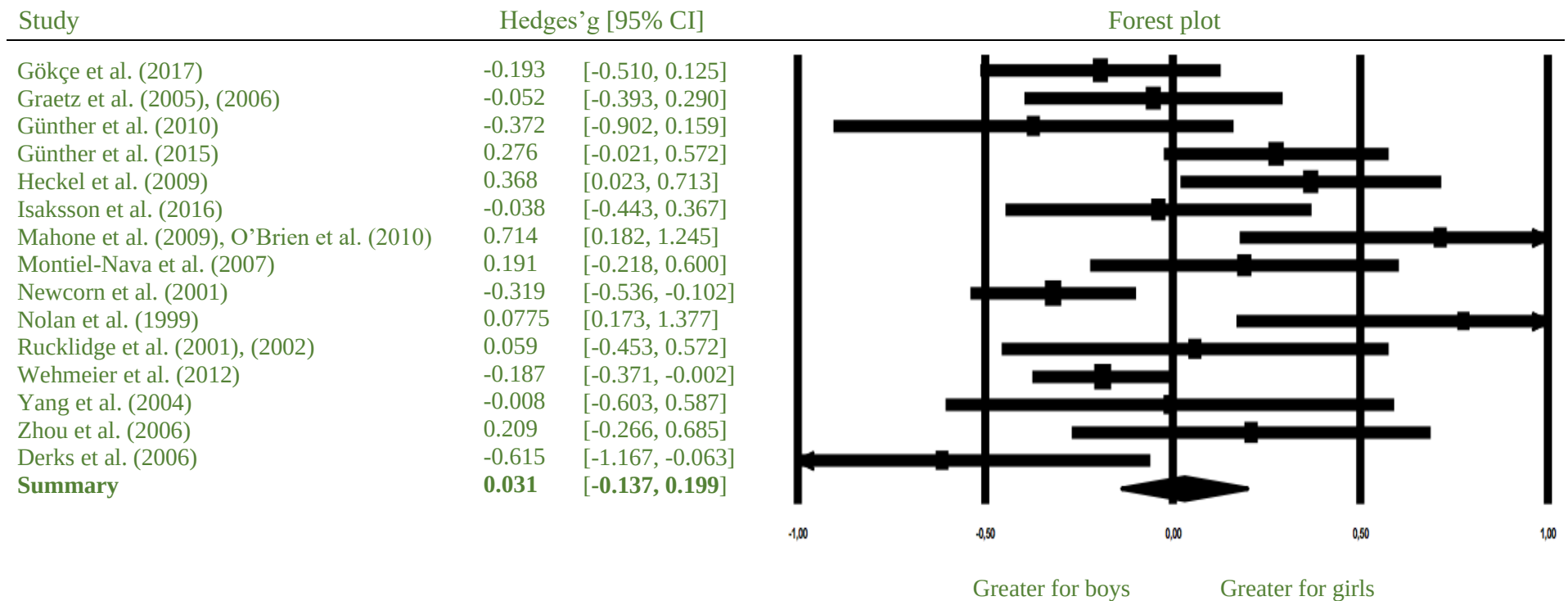
Supplementary Figure 3 Hyperactivity symptoms: Differences between boys and girls with ADHD

Note. CI= confidence interval. A positive effect size indicated more severe symptoms in girls, whereas a negative effect size indicated more severe symptoms in boys.



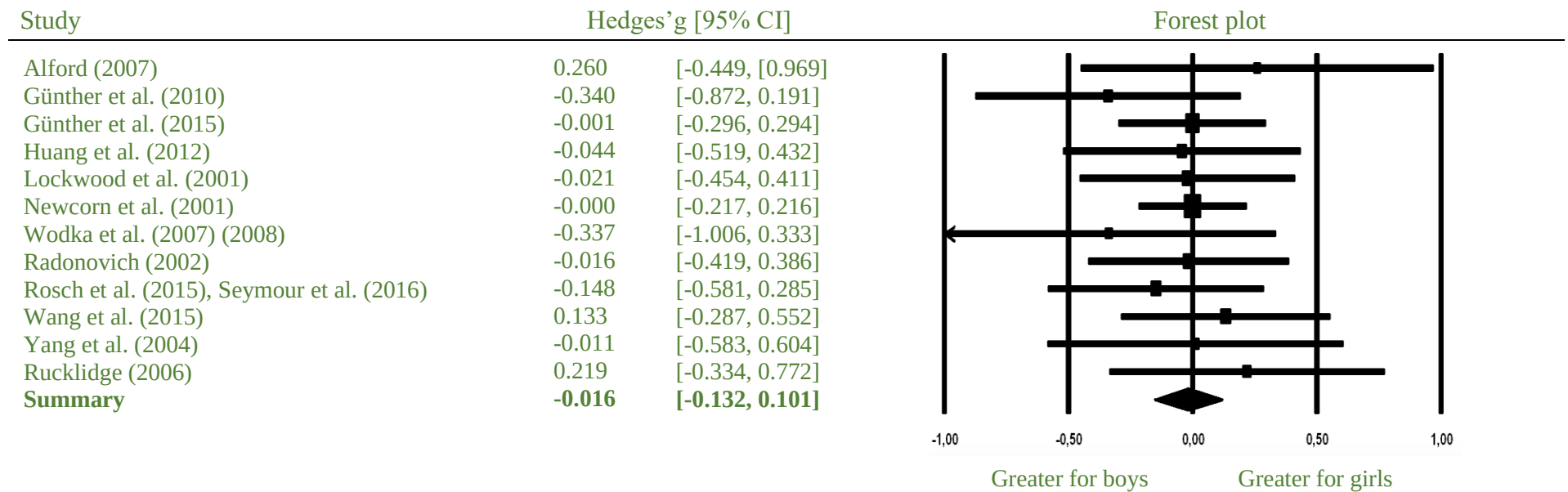
Supplementary Figure 4 Impulsivity symptoms: Differences between boys and girls with ADHD

Note. CI= confidence interval. A positive effect size indicated more severe symptoms in girls, whereas a negative effect size indicated more severe symptoms in boys.



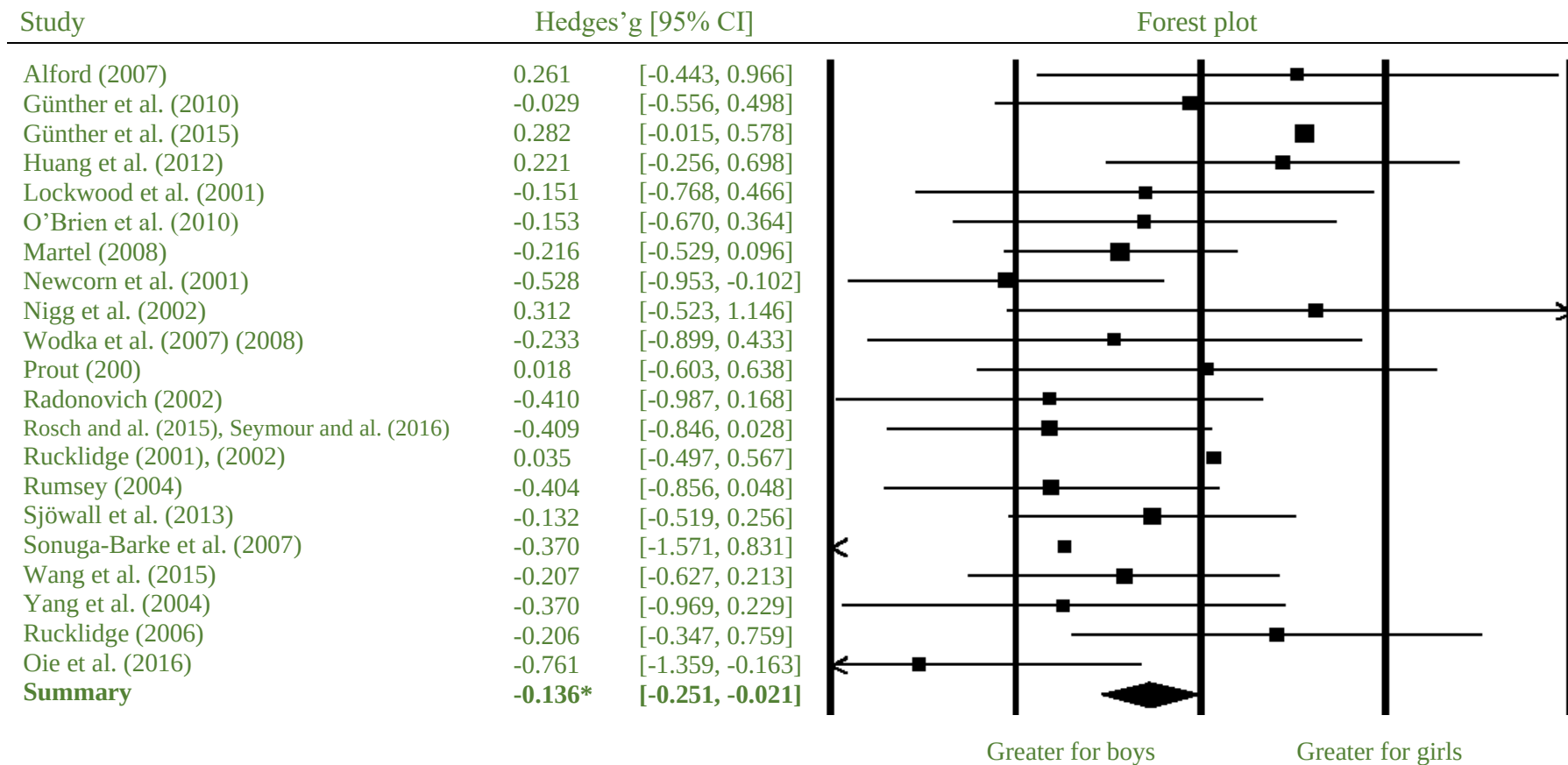
Supplementary Figure 5 Total ADHD symptoms: Differences between boys and girls with ADHD

Note. CI= confidence interval. A positive effect size indicated more severe symptoms in girls, whereas a negative effect size indicated more severe symptoms in boys.



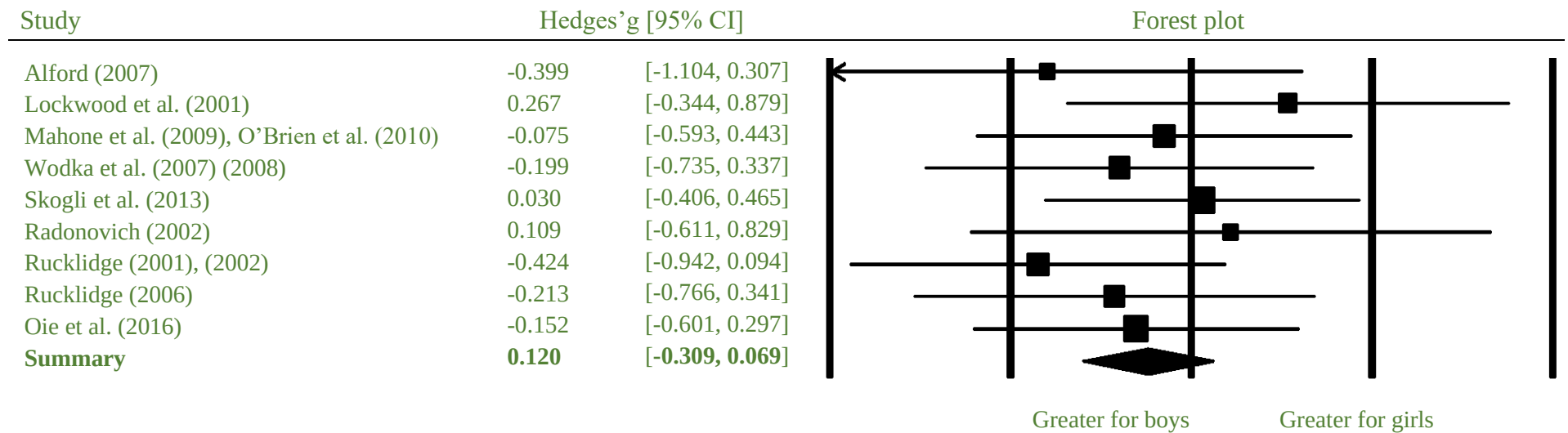
Supplementary Figure 6 Attention: Differences between boys and girls with ADHD

Note. CI= confidence interval. A positive effect size indicated a greater attention deficit in girls, whereas a negative effect size indicated a greater attention deficit in boys.



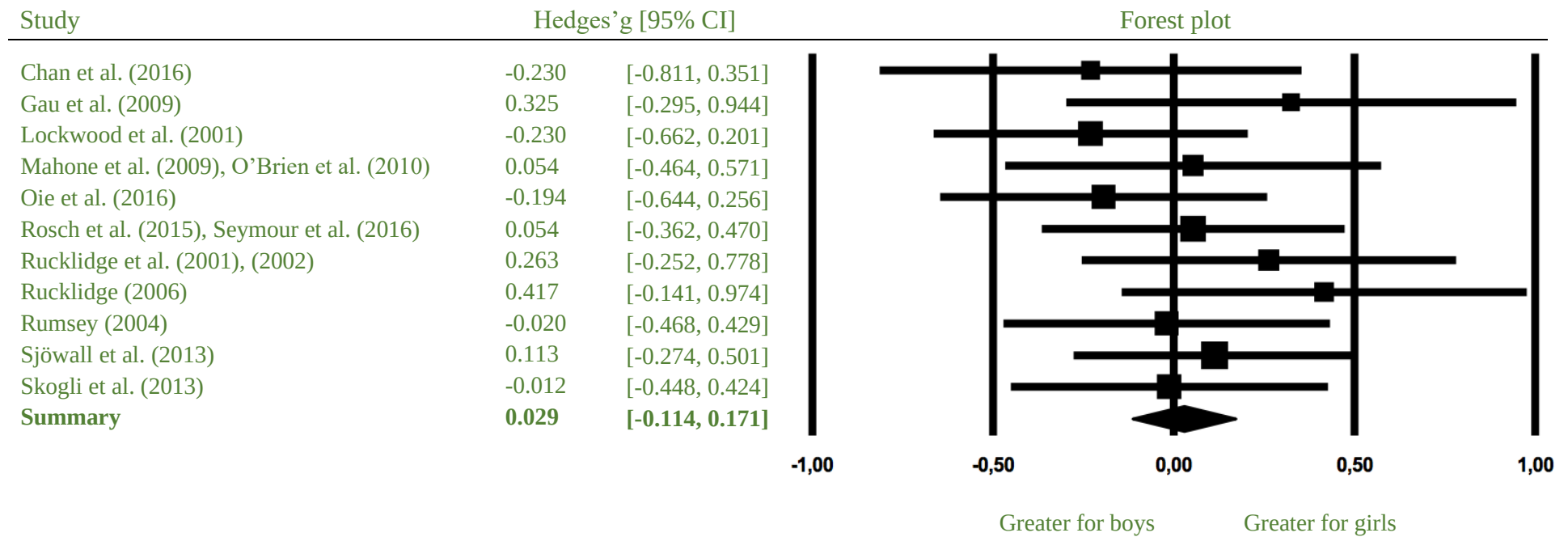
Supplementary Figure 7 Motor inhibition: Differences between boys and girls with ADHD

Note. * $p < .05$ CI = confidence interval. A positive effect size indicated a greater executive deficit in girls, whereas a negative effect size indicated a greater executive deficit in boys.



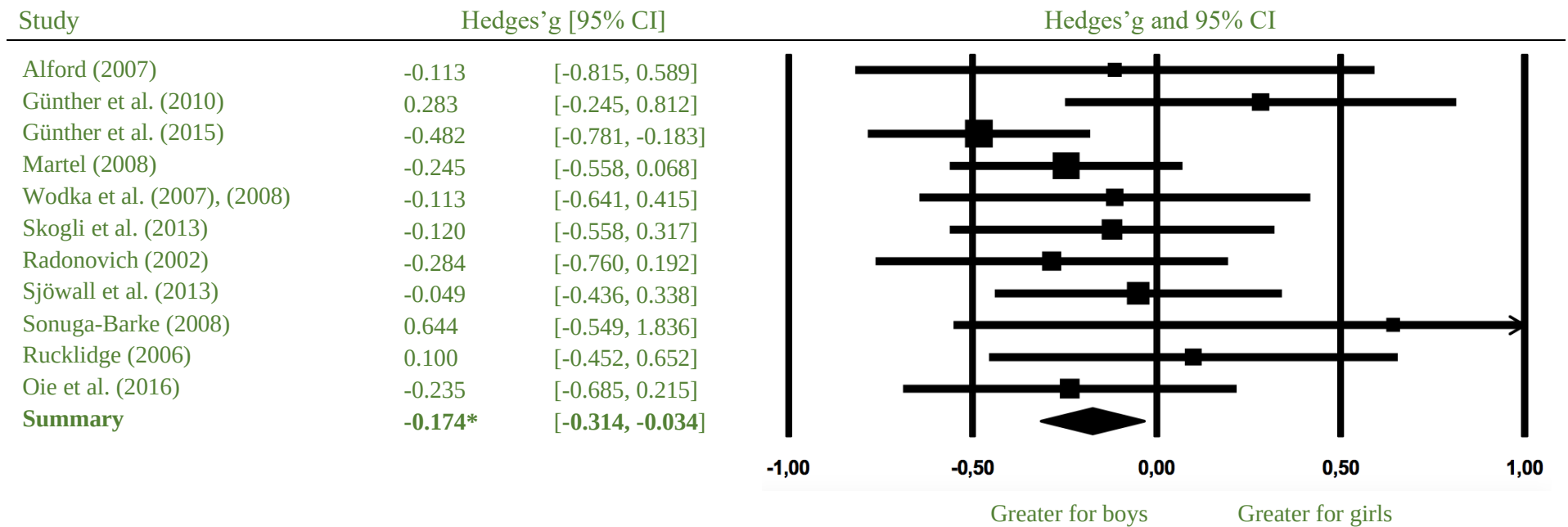
Supplementary Figure 8 Interference control: Forest plot of differences between boys and girls with ADHD

Note. CI= confidence interval. A positive effect size indicated a greater executive deficit in girls, whereas a negative effect size indicated a greater executive deficit in boys.



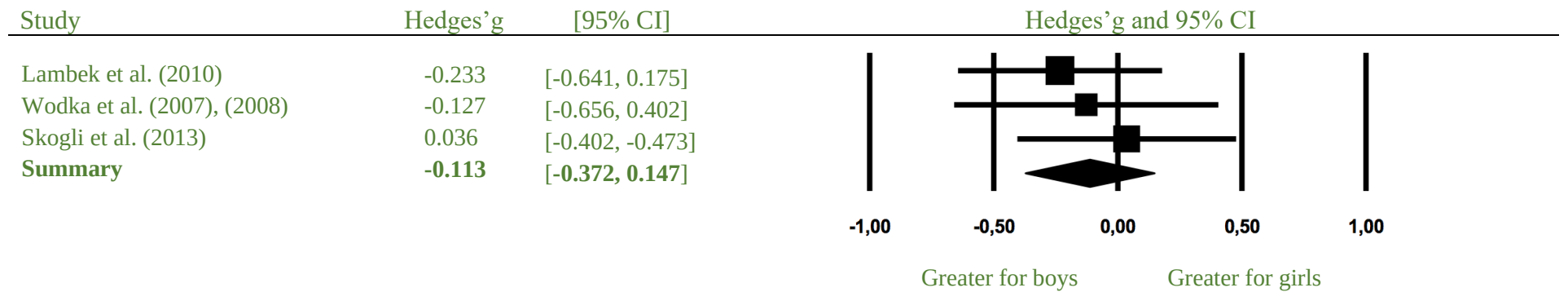
Supplementary Figure 9 Working memory: Differences between boys and girls with ADHD

Note. CI= confidence interval. A positive effect size indicated a greater executive deficit in girls, whereas a negative effect size indicated a greater executive deficit in boys.



Supplementary Figure 10 Cognitive flexibility: Differences between boys and girls with ADHD

Note. * $p < .05$ CI= confidence interval. A positive effect size indicated a greater executive deficit in girls, whereas a negative effect size indicated a greater executive deficit in boys.



Supplementary Figure 11 Planification: Differences between boys and girls with ADHD

Note. CI= confidence interval. A positive effect size indicated a greater executive deficit in girls, whereas a negative effect size indicated a greater executive deficit in boys.

Supplementary Table 1

Analysis techniques

Risk of bias assessment

Participants recruitment
Differences between groups
Attrition
Blinding (personal)
Blinding (participants)
Relevance of assessment tools
Incomplete data
Selective reporting
Results interpretation

	Selection bias		Performance biases		Assessment bias		Analysis bias		Reporting bias	
Alford (2007)	+	+	+	-	-	+	+	+	+	+
Bilgiç, Toker, and Uysal. (2016)	?	+	+	?	-	+	+	+	+	+
Borschuk, Rodweller, and Salorio (2018)	-	+	?	+	-	+	+	+	-	+
Chan, Lai, Luk, Hung, and Leung (2014)	-	+	+	+	-	+	+	+	+	+
Chan and Martinussen (2016)	+	+	+	-	-	+	+	?	+	+
Chen, Seipp, and Johnston (2008)	+	+	+	-	-	+	+	+	+	+
Coccini et al. (2009)	-	-	?	?	?	+	+	+	+	-
Derks, Hudziak, Dolan, Ferdinand, and Boomsma, (2006)	+	?	?	+	-	+	+	+	+	+
Díaz-Orueta et al. (2014)	-	-	+	-	-	?	+	-	-	+

DuPaul, Jitendra, and Tresco (2006)	+	+	?	+	-	-	+	+	+	+
Elkins, Malone, Keyes, Iacono, and McGue (2011)	+	+	+	+	+	+	+	+	+	+
Gau, Chiu, Shang, Cheng, and Soong (2009)	-	-	?	-	-	+	+	+	-	+
Gökçe, Yusufoğlu, Akin, and Ayaz (2017)	-	+	?	?	-	+	+	+	+	+
Graetz, Sawyer, and Baghurst (2005)	?	-	+	?	-	+	+	+	+	+
Günther, Herpertz-Dahlmaa, and Konrad (2010)	-	?	?	+	+	+	+	+	+	+
Günther, Knospe, Herpertz - Dahlman, and Konrad (2015)	-	+	+	-	-	+	+	+	+	+
Hartung et al. (2002)	+	+	?	+	-	+	+	+	+	+
Heckel, Clarke, Barry, McCarthy, and Selikowitz (2009)	-	-	+	-	-	+	+	-	+	+
Huang, Wang, and Chen (2012)	-	+	+	?	-	+	+	+	+	+
Isaksson, Ruchkin, and Lindblad (2016)	-	?	?	-	+	+	+	+	+	+
Lahey et al. (2007)	-	-	+	+	-	+	+	+	+	+
Lambek, Trillingsgaard, Kadesjo, Damm, and Thomsen (2010)	-	-	+	-	-	-	+	+	+	+
Lockwood, Marcotte, and Stern (2001)	-	+	?	-	-	+	+	+	+	+
Mahone, Mostofsky, Lasker, Zee, and Denckla, (2009)	+	+	?	?	+	+	+	+	+	+
Martel (2008)	+	-	+	-	-	+	+	+	+	+

Mayfield et al. (2016)	+	?	?	?	+	+	+	+	+	+
Montiel-Nava, Montiel-Barbero, and Peña (2007)	-	+	?	-	-	+	+	-	+	+
Muller et al. (2011a)	-	-	+	-	-	+	+	+	+	+
Muller et al. (2011b)	?	?	?	?	?	+	+	+	+	+
Newcorn et al. (2001)	?	+	?	?	?	+	+	-	+	+
Nigg, Blaskey, Huang-Pollock, and Rappley (2002)	+	+	?	+	+	+	+	-	-	+
Nolan, Volpe, Gadow, and Sprafin (1999)	-	-	?	?	-	+	+	-	-	+
O'Brien, Dowell, Mostofsky, Denckla, and Mahone (2010)	+	+	?	?	+	+	+	+	+	+
Øie, Hovik, Andersen, Czajkowski, and Skogli (2016)	-	+	+	?	?	+	+	+	+	+
Prout (2000)	+	+	+	-	-	+	+	+	+	+
Radonovich (2002)	-	?	?	?	?	+	-	+	+	+
Riddle et al. (2013)	-	-	+	+	-	+	+	+	+	+
Rosch, Dirlikov, and Mostofsky (2015)	+	+	?	?	-	+	+	+	+	+
Rucklidge (2006)	-	+	+	+	-	+	+	+	+	+
Rucklidge and Tannock (2001)	-	+	?	+	+	+	+	+	+	+
Rucklidge and Tannock (2002)	-	+	+	?	-	+	+	+	+	+
Rumsey (2004)	-	?	?	?	?	+	+	+	+	+
Seymour, Mostofsky, and Rosch (2016)	+	+	?	?	?	+	+	+	+	+
Sjöwall, Roth, Lindqvist, and Thorell (2013)	-	+	+	?	?	+	+	+	+	+

Skogli, Teicher, Andersen, Hovik, and Øie (2013)	-	+	?	-	-	+	+	+	+	+
Sonuga-Barke et al. (2007)	?	+	?	+	+	+	+	+	+	+
Sonuga-Barke and Rubia (2008)	?	-	?	?	?	+	+	+	+	-
Wang, Chen, and Huang (2015)	-	?	?	-	-	+	+	+	+	+
Wehmeier, Schacht, Escobar, Hervas, and Dickson (2012)	?	-	?	?	?	+	+	+	+	+
Wodka et al. (2007)	+	+	?	?	?	+	+	+	+	+
Wodka et al. (2008)	+	+	?	?	+	+	+	+	-	+
Yang, Jong, Chung, and Chen (2004)	-	+	+	-	-	+	+	+	+	+
Zhou, Yi, Kuang, and Fu (2006)	-	+	?	+	-	+	+	+	+	+

Note. - : High risk of bias, + : Low risk of bias, ?: Unclear risk of bias