

Supplementary Table S1

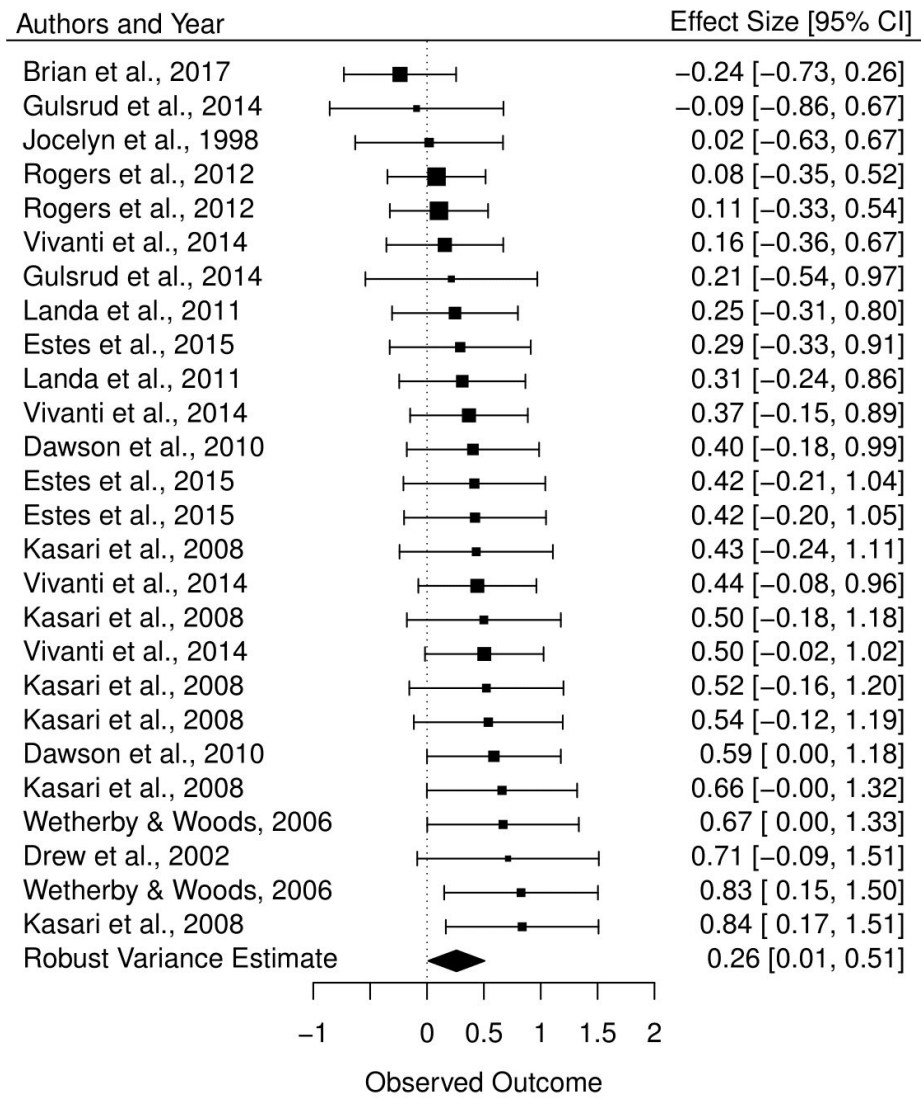
Characteristics of Participant Samples and Interventions in Included Studies

Study Authors, Year	Mean CA in Months	Mean LA in Months	Interventionist Type	Total Intervention Hours
Boyd et al., 2018	49.6	---	Educator	17.2
Brian et al., 2017	25.2	13.1	Caregiver	---
Brian et al., 2018	49.6	---	Educator	17.2
Chang et al., 2016	50	31.5	Educator	---
Dawson et al., 2010	23.5	---	Combination	3276
Drew et al., 2002	22.5	---	Caregiver	---
Duifhuis et al., 2017	69.5	---	Caregiver	---
Estes et al., 2015	23.5	---	Combination	3276
Hardan et al., 2015	49.2	---	Caregiver	---
Howlin & Rutter, 1989	75.4	31.4	Caregiver	---
Ingersoll, 2012	38	16.8	Clinician	30
Ingersoll et al., 2016	43.7	---	Caregiver	---
Jocelyn et al., 1998	43.3	---	Combination	---
Kaale et al., 2014	48.8	21.5	Educator	25
Kasari et al., 2008	42.6	20.1	Clinician	14.3
Kasari et al., 2008	42.3	20.5	Clinician	17.35
Kasari et al., 2015	31.5	13.9	Caregiver	---
Landa et al., 2011	28.8	---	Clinician	205.66
Lawton & Kasari, 2012	44.7	---	Educator	8.3
Nefdt et al., 2010	38.7	---	Caregiver	---
Roberts et al., 2011	42.6	---	Combination	36
Roberts et al., 2011	43.4	---	Clinician	72
Rogers et al., 2006	38.4	12	Caregiver	75
Rogers et al., 2012	21	---	Caregiver	---
Schreibman & Stahmer, 2014	29.2	---	Combination	247
Shire et al., 2017	31.6	16.9	Educator	19.25
Vivanti et al., 2014	41.2	19	Combination	1023.4
Wetherby & Woods, 2006	18.19	---	Caregiver	---

Note. Studies are listed twice when more than one intervention group was evaluated in reference to a comparison. CA = chronological age, LA = Language age equivalent, --- = Information was not reported.

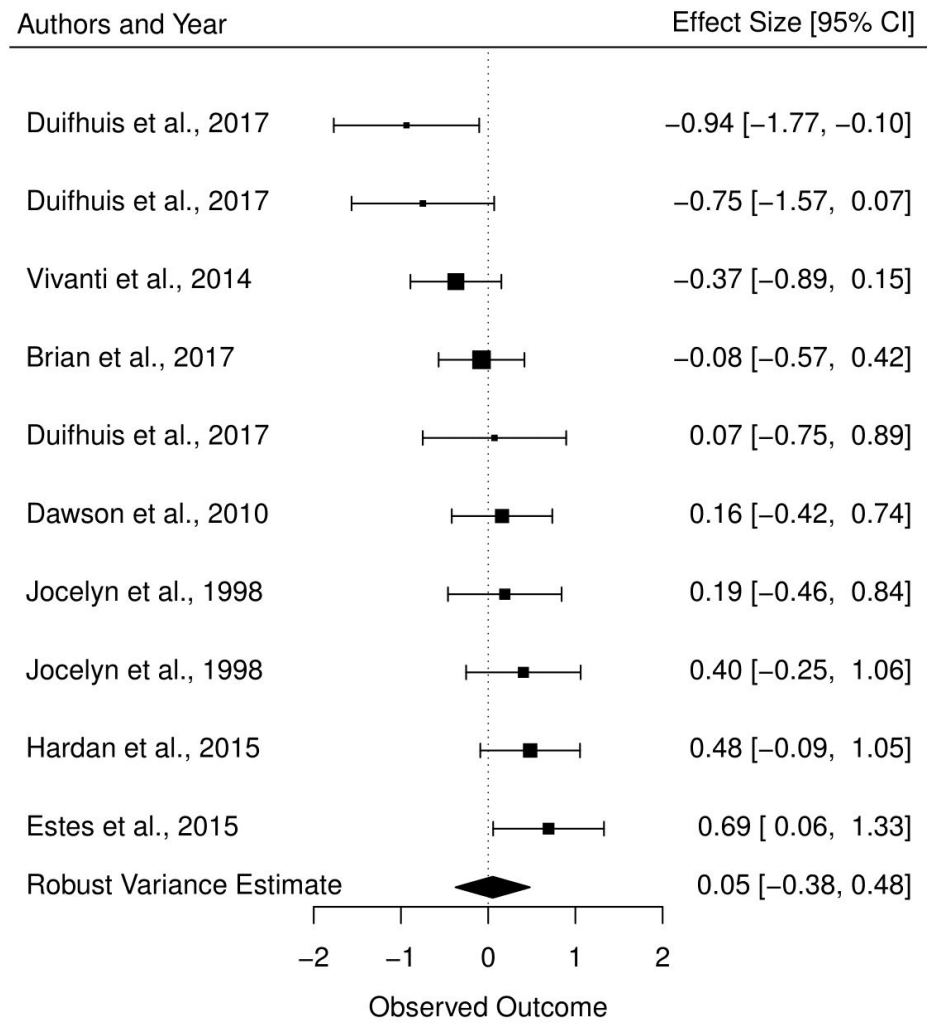
Supplementary Figure S1

Forest plot of RVE summary estimate for cognitive outcomes



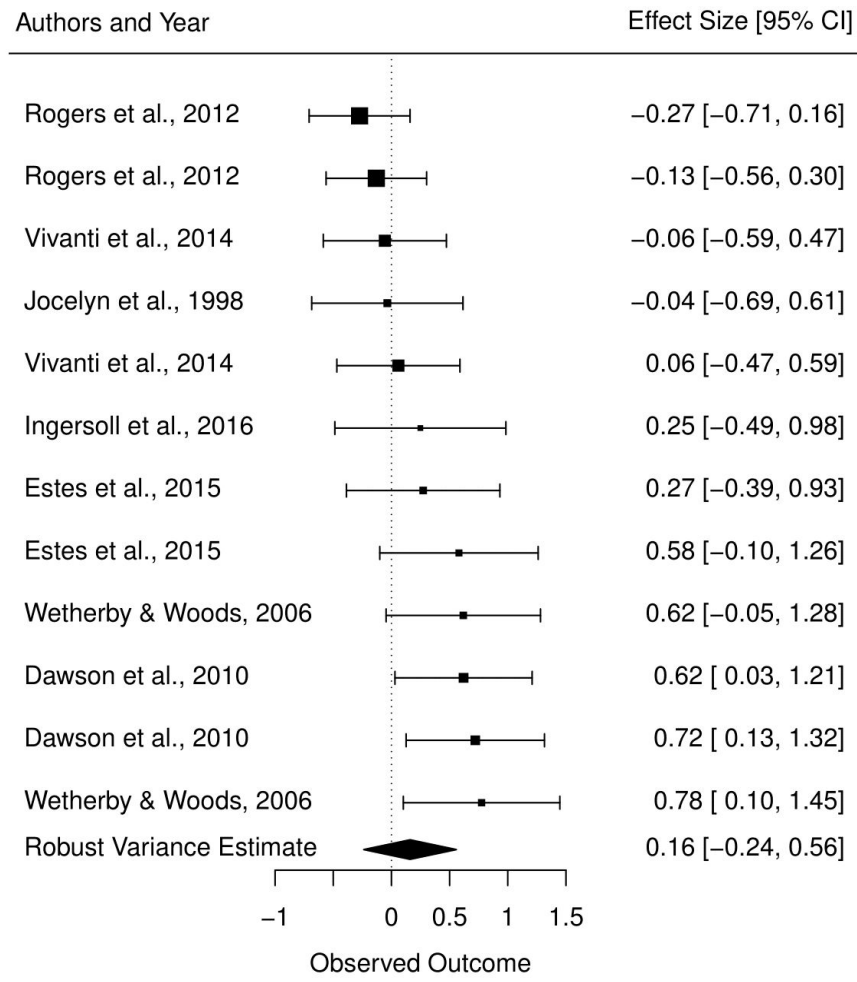
Supplementary Figure S2

Forest plot of RVE summary estimate for ASD symptomatology outcomes



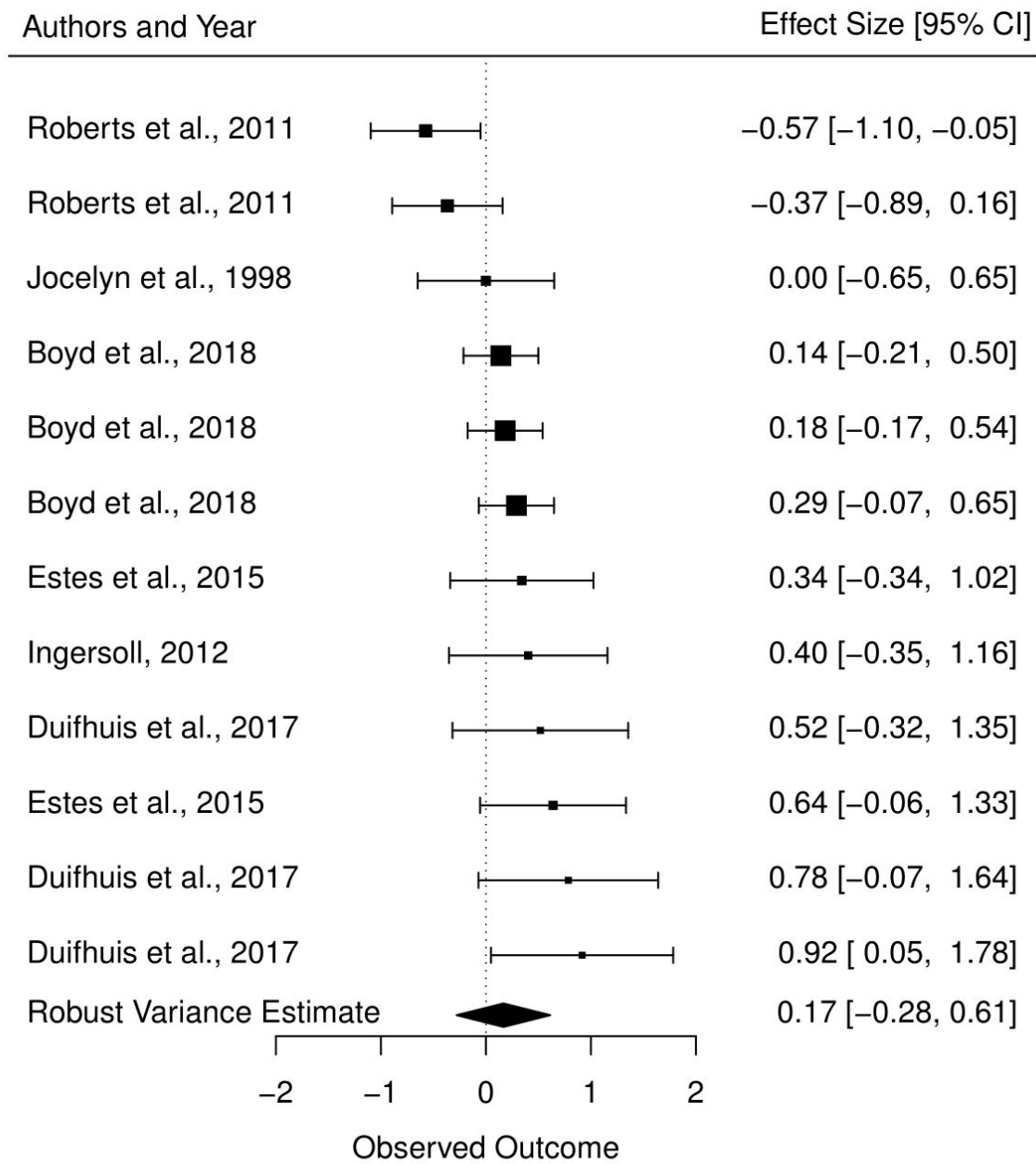
Supplementary Figure S3

Forest plot of RVE summary estimate for adaptive behavior outcomes



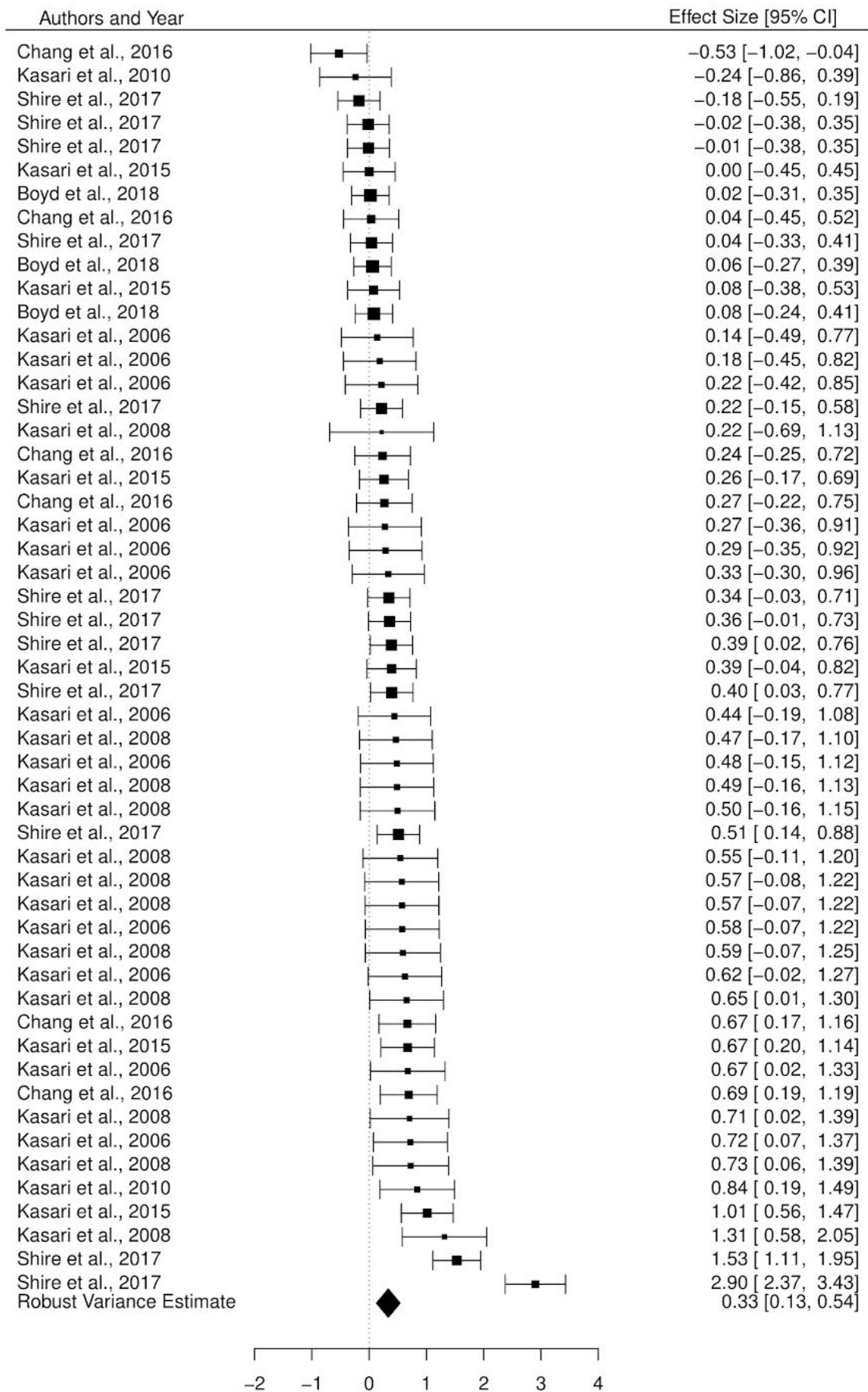
Supplementary Figure S4

Forest plot of RVE summary estimate for social-emotional and challenging behavior outcomes



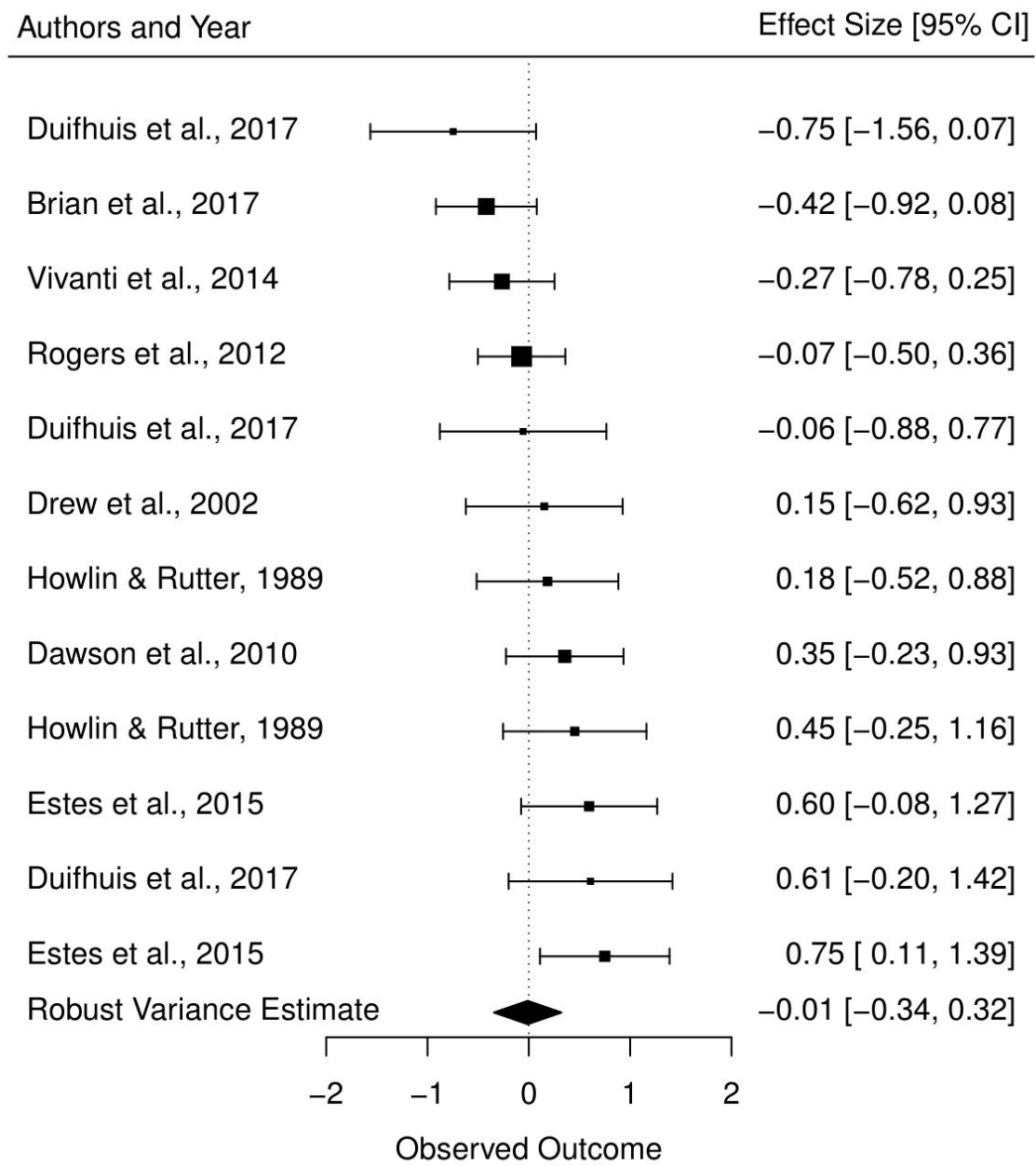
Supplementary Figure S5

Forest plot of RVE summary estimate for play skill outcomes



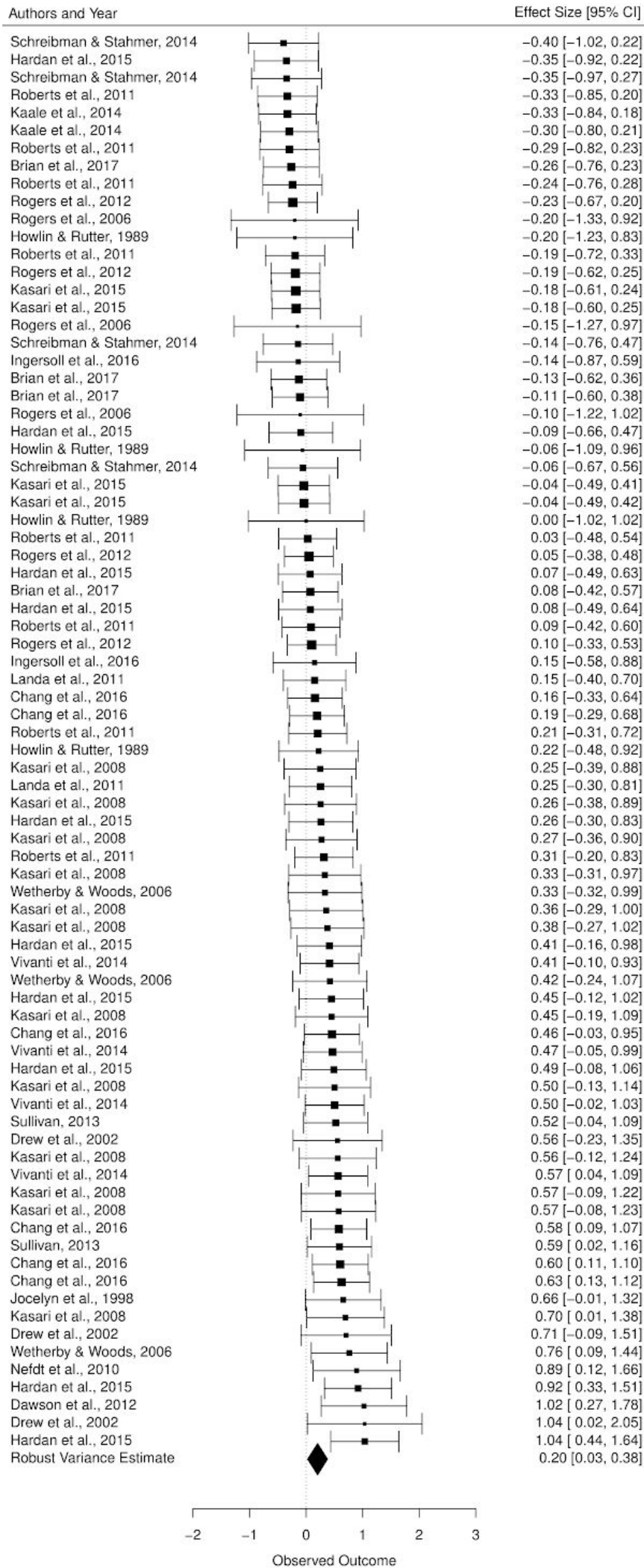
Supplementary Figure S6

Forest plot of RVE summary estimate for restricted and repetitive behavior outcomes



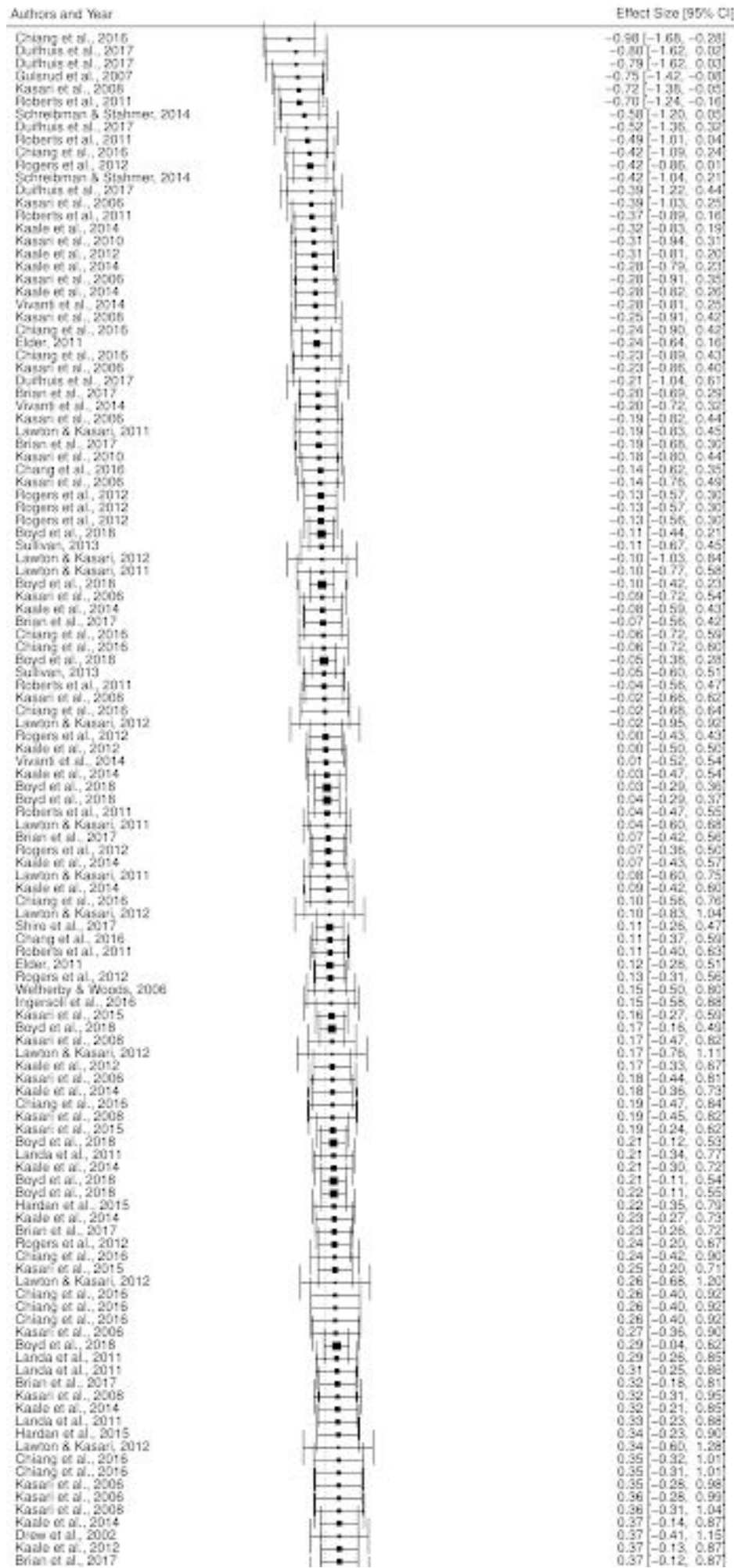
Supplementary Figure S7

Forest plot of RVE summary estimate for language outcomes

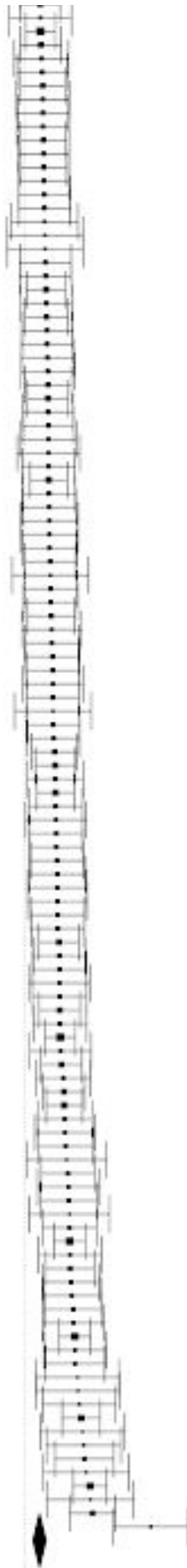


Supplementary Figure S8

Forest plot of RVE summary estimate for social communication outcomes



Drow et al., 2002
 Shire et al., 2017
 Kaale et al., 2014
 Lawton & Kasari, 2011
 Kasari et al., 2006
 Lande et al., 2011
 Estes et al., 2015
 Kasari et al., 2006
 Wetherby & Woods, 2006
 Hardan et al., 2015
 Kasari et al., 2008
 Hardan et al., 2015
 Kasari et al., 2006
 Kasari et al., 2006
 Kasari et al., 2006
 Kasari et al., 2006
 Duijhuys et al., 2017
 Lawton & Kasari, 2012
 Lawton & Kasari, 2012
 Kasari et al., 2006
 Kasari et al., 2008
 Chang et al., 2016
 Kasari et al., 2008
 Kaale et al., 2014
 Kasari et al., 2006
 Kasari et al., 2006
 Lawton & Kasari, 2011
 Chiang et al., 2016
 Dawson et al., 2010
 Kaale et al., 2012
 Estes et al., 2015
 Estes et al., 2015
 Howlin & Rutter, 1989
 Drow et al., 2002
 Lawton & Kasari, 2011
 Shire et al., 2016
 Lawton & Kasari, 2011
 Chiang et al., 2016
 Stadnick et al., 2015
 Stadnick et al., 2015
 Kasari et al., 2008
 Kasari et al., 2006
 Lawton & Kasari, 2012
 Wetherby & Woods, 2006
 Estes et al., 2015
 Dawson et al., 2010
 Ingersoll et al., 2016
 Chiang et al., 2016
 Chiang et al., 2016
 Kasari et al., 2008
 Ingersoll, 2012
 Kasari et al., 2006
 Lawton & Kasari, 2012
 Wetherby & Woods, 2006
 Kasari et al., 2008
 Lande et al., 2011
 Chang et al., 2016
 Lawton & Kasari, 2011
 Kasari et al., 2015
 Wetherby & Woods, 2006
 Ingersoll, 2012
 Kasari et al., 2006
 Lawton & Kasari, 2011
 Kasari et al., 2008
 Gulrud et al., 2007
 Dawson et al., 2012
 Dawson et al., 2012
 Wetherby & Woods, 2006
 Kasari et al., 2008
 Chang et al., 2016
 Kasari et al., 2010
 Wetherby & Woods, 2006
 Ingersoll, 2012
 Wetherby & Woods, 2006
 Brian et al., 2017
 Kasari et al., 2008
 Shire et al., 2017
 Ingersoll, 2012
 Brian et al., 2017
 Wetherby & Woods, 2006
 Brian et al., 2017
 Shire et al., 2016
 Kasari et al., 2008
 Dawson et al., 2012
 Wetherby & Woods, 2006
 Lawton & Kasari, 2012
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 Shire et al., 2017
 Ingersoll, 2012
 Hardan et al., 2015
 Wetherby & Woods, 2006
 Lawton & Kasari, 2011
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 Dawson et al., 2012
 Shire et al., 2017
 Dawson et al., 2012
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 Lawton & Kasari, 2012
 Ingersoll, 2010
 Kasari et al., 2015
 Lawton & Kasari, 2012
 Ingersoll, 2010
 Gulrud et al., 2007
 Lawton & Kasari, 2012
 Shire et al., 2017
 Lawton & Kasari, 2012
 Brian et al., 2017
 Kasari et al., 2010
 Robust Variance Estimate



0.38	-0.40	1.16
0.38	0.01	0.75
0.39	-0.13	0.90
0.40	-0.28	1.09
0.43	-0.20	1.06
0.44	-0.12	1.00
0.44	-0.22	1.11
0.44	-0.19	1.08
0.44	-0.21	1.10
0.45	-0.12	1.02
0.46	-0.18	1.10
0.46	-0.11	1.03
0.46	-0.17	1.10
0.48	-0.16	1.12
0.48	-0.16	1.12
0.48	-0.35	1.32
0.49	-0.45	1.44
0.50	-0.45	1.45
0.51	-0.14	1.15
0.51	-0.13	1.15
0.52	0.03	1.01
0.53	-0.12	1.17
0.53	-0.00	1.07
0.55	-0.09	1.18
0.55	-0.10	1.19
0.56	-0.10	1.21
0.56	-0.11	1.24
0.57	-0.02	1.15
0.57	0.06	1.08
0.57	-0.06	1.20
0.58	-0.05	1.21
0.58	-0.13	1.29
0.58	-0.21	1.37
0.58	-0.07	1.24
0.59	0.12	1.05
0.60	-0.06	1.25
0.60	-0.07	1.27
0.60	-0.11	1.32
0.60	-0.11	1.32
0.61	-0.08	1.29
0.62	-0.02	1.27
0.63	-0.33	1.59
0.63	-0.03	1.30
0.64	-0.05	1.32
0.65	0.06	1.24
0.66	-0.09	1.41
0.67	-0.01	1.34
0.68	0.01	1.36
0.69	0.03	1.35
0.69	-0.06	1.45
0.69	0.04	1.34
0.69	-0.27	1.66
0.70	0.03	1.36
0.71	0.05	1.37
0.73	0.16	1.30
0.75	0.25	1.25
0.75	0.05	1.45
0.76	0.29	1.23
0.76	0.09	1.43
0.76	0.00	1.52
0.77	0.12	1.43
0.77	0.11	1.44
0.80	0.14	1.45
0.80	0.10	1.50
0.80	0.07	1.54
0.81	0.07	1.55
0.81	0.14	1.49
0.81	0.14	1.48
0.84	0.34	1.35
0.85	0.20	1.50
0.86	0.18	1.53
0.86	0.09	1.63
0.86	0.18	1.54
0.86	0.35	1.38
0.87	0.20	1.54
0.87	0.49	1.26
0.88	0.11	1.63
0.90	0.39	1.42
0.96	0.27	1.64
0.97	0.45	1.49
0.98	0.52	1.43
0.99	0.31	1.67
0.99	0.24	1.75
1.01	0.32	1.70
1.04	0.04	2.04
1.07	0.40	1.74
1.09	0.30	1.87
1.09	0.37	1.80
1.10	0.09	2.11
1.11	0.43	1.79
1.11	0.72	1.50
1.12	0.33	1.91
1.12	0.52	1.73
1.15	0.45	1.85
1.16	0.43	1.90
1.20	0.49	1.91
1.21	0.44	1.98
1.24	0.04	1.64
1.25	0.47	2.03
1.25	0.51	1.99
1.31	0.27	2.35
1.32	0.28	2.36
1.35	0.43	2.27
1.40	0.93	1.88
1.44	0.38	2.50
1.47	0.53	2.40
1.48	0.75	2.22
1.53	0.45	2.60
1.62	1.20	2.05
1.63	0.54	2.72
1.69	1.11	2.26
3.15	2.21	4.09
0.35	[0.16, 0.53]	

