S2 Text. Details of excluded studies at the screening and eligibility review stage.

**Based on abstract:** Eleven articles were reviews and not related to cognitive evaluation in offspring of diabetic mothers [1-11]. Two studies corresponded to descriptive reports [12, 13] and one was an observations letter without extractable data [14]. One was a case-report of one infant [15]. One study corresponded to a preclinical study [16]. Two full-text articles were not available [17, 18].

**Based on full-text read:** Twenty-three studies were excluded because did not include a diabetic mothers group [19-41]. Thirty-one studies did not evaluate behavioral cognitive outcomes of our inclusion criteria [42-71]. Three studies corresponded to poster abstracts containing unpublished results [72-74]. Some studies included only a sample of diabetes-exposed children with ADHD[75-77], autism[78], or schizophrenia[79]. Seven studies did not include an appropriate comparison control group [80-86]. No extractable data were found in three studies [87-89]. One study was excluded because included important residual confounding[40]. Three references were discarded because they contained repeated data [90-92].

**REFERENCES**