

**Table 1: Pregnancy control database:**

Species	GEO Accession	Assays included	Reference
	<b>GSE79121:</b>		Armstrong et al. 2017
Mouse	GSM2086260	N=1 Pooled litters (d20)	
	<b>GSE11224:</b>		Knox et al 2008)
	GSM282796(S1-rep1)	N=4 (E15.0, Decidua, 2 series)	
	GSM282797(S1-rep2)		
	GSM282845(S2-rep1)		
	GSM282846(S2-rep2)		
	<b>GSE11224:</b>		Knox et al 2008
	GSM28776(S1-rep1)	N=6 (E15.0, Placenta, 2 series)	
	GDM28777(S1-rep2)		
	GSM28778(S1-rep3)		
	GSM282825(S2-rep1)		
	GSM282826(S2-rep2)		
	GSM282827(S2-rep3)		
Human	<b>GSE9984:</b>		(Mikheev et al. 2008)
	GSM252353--GSM252356	N=4 second trimester	
	<b>GSE28551:</b>		Sitras et al. 2012
	GSM707051--GSM707069	N=16 first trimester	
	<b>GSE10588:</b>		Leavey et al 2015
	GSM225470--GSM225481	N1=26 replicates, normal labor.	
	GSM225483--GSM225497	N1=37 replicates	
	<b>GSE25906:</b>		
	GSM635923—GSM635963	N=4	
	<b>GSE4707:</b>		
	GSM106249, GSM106250		
	GSM106274, GSM106275	N=6	
	<b>GSE30186:</b>		
	GSM747304—GSM747309		
	<b>GSE24129:</b>	N=8	
	GSM594041—GSM594048		
	<b>GSE44711:</b>	N=8	
	GSM1089237—GSM1089244		

**Table 2: Pregnancy complication database:**

Complications	GEO Accession	Assays included	Reference
PE	<b>GSE93839:</b>		Gormley et al 2017
	GSM2463682—GSM2463685	N=4 (Severe PE syncytium)	
	GSM2463686--GSM2463688	N=3 (invasive cytotrophoblasts)	
	GSM2463689--GSM2463692	N=4 (endovascular cytotrophoblasts)	
	<b>GSE10588:</b>		Sitras et al 2009
	GSM225481, GSM225498--GSM225513	N=17 (severe preeclampsia)	
	<b>GSE24129:</b>		Nishizawa et al 2011
	GSM594057-GSM594064	N=8 (severe preeclampsia)	
	<b>GSE44711:</b>		Blair et al. 2013
	(GSM1089229—GSM1089236)	N=8 (Chorionic Villi, Early-Onset Preeclampsia)	
	<b>GSE47187:</b>		Song et al 2013
	GSM1146434--GSM1146438	N=5 (PE, micoarray)	
	<b>GSE30186:</b>		Meng et al 2012
	GSM747298--GSM747303	N=6	
	<b>GSE25906:</b>		Tsai et al 2010
	GSM635904--GSM635926	N=23 (microarray)	
	<b>GSE4707:</b>		Nishizawa et al 2007
	GSM106276-GSM106280	N=5, early onset PE	
	GSM106281-GSM106285	N=5, late onset PE	
	<b>GSE35574:</b>		Tsai et al 2013
	GSM871047,49,50,70,76,80,81,91,94,96,100,107,112,117,122,126,128,131,137	N=19 (microarray)	
	Supplementary Data S1	Top 200	Sober et al. 2015
GDM			
	Supplementary Data S1	Top 200	Sober et al. 2015
	Supplementary Table S1		Bari et al 2016
	Table 2, 3, 4, 6		Enquobahrie et al 2009
	<b>GSE2956</b> (GSM6154)	N=1	Radaelli et al 2003
SGA	<b>GSE35574:</b>		
	GSM871046,48,53,55,57,61,62,63,65,69,72,73,78,79,82,84,85,87,88,92,95,98,103,105,106,109,110,113,120,121,124,129,132,135,13	N=39	Tsai et al 2013
	Supplementary Data S1	Top 200	Sober et al. 2015
LGA	Supplementary Data S1	Top 200	Sober et al. 2015
IUGR	<b>GSE22490:</b>		
	GSM558670-GSM558673	N=4 (6 week, 2 replicates, 8 week, 14.6 wk)	Rull et al, 2013
	Supplementary Table S1, S2, S3		Pan et al, 2018