



## Distinct Sex-Specific Gene Expression Changes in the Placenta in Association with Childhood Allergy

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Supplementary Table 1: Neonatal characteristics in the microarray cohort.

	No Allergy		Allergy	
	Male	Female	Male	Female
Gestational age (days)	271 ± 12.3	275 ± 9.7	278 ± 6	275 ± 10.4
Birth weight (g)	3777 ± 1019.9	3484 ± 298.2	3527 ± 478.7	3452 ± 411.8
Birth weight centile	68.57 ± 36.7	60.10 ± 18.9	47.17 ± 34.2	56.55 ± 25.7

Mean ± standard deviation

Supplementary Table 2: Relationship between maternal asthma and placental gene expression.

	MALE							FEMALE						
	Maternal Non Asthmatic			Maternal Asthmatic				Maternal Non Asthmatic			Maternal Asthmatic			
	Mean	Median	Percentile (25th-75th)	Mean	Median	Percentile (25th-75th)	P Value	Mean	Median	Percentile (25th-75th)	Mean	Median	Percentile (25th-75th)	P Value
TLR7	0.017	0.014	0.010 - 0.023	0.020	0.018	0.014 - 0.026	0.560	0.023	0.022	0.016 - 0.030	0.027	0.024	0.016 - 0.033	0.810
MMP9	0.032	0.012	0.002 - 0.031	0.046	0.022	0.013 - 0.054	0.172	0.035	0.032	0.017 - 0.040	0.038	0.031	0.013 - 0.056	0.801
ORMDL3	0.095	0.097	0.016 - 0.166	0.159	0.115	0.046 - 0.170	0.332	0.153	0.132	0.062 - 0.253	0.128	0.096	0.061 - 0.182	0.650
KITL1	0.031	0.009	0.007 - 0.068	0.050	0.035	0.005 - 0.078	0.809	0.085	0.046	0.003 - 0.063	0.041	0.006	0.004 - 0.054	0.579

