**Supplementary File - Leukocyte-associated immunoglobulin-like receptor 1 (LAIR1) is reduced with preeclampsia and small for gestational aged fetuses.**

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**Supplementary Table 1: Maternal characteristics and pregnancy outcomes for patients whose placental samples were obtained from Mercy Tissue Bank for RNA analysis.** BMI = body mass index. SBP = systolic blood pressure. DBP = diastolic blood pressure. CS = caesarean section. Ordinary one-way ANOVA tests used for normally distributed data and Kruskal-Wallis tests used for non-parametric data (multiple comparison). Chi-square tests used for categorical variables. BMI data missing for 8 control samples, 12 preeclampsia samples, 3 SGA samples. Birth weight data missing for 1 PE sample.

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|  | Controls(n=30) | Preeclampsia(n=78) | Small for Gestational Age(n=32) | *P* value(Control vs PE) | *P* value(Control vs SGA) |
| Maternal Age (years)Mean ± SEM | 30.00 ± 1.09 | 30.54 ± 0.62 | 29.16 ± 1.06 | 0.99 | 0.99 |
| Gestation at Delivery (weeks)Mean ± SEM | 30.05 ± 0.44 | 29.74 ± 0.27 | 30.06 ± 0.46 | 0.99 | 0.99 |
| BMI (kg/m2)Median [IQR] | 28.20 [22.95 – 35.55] | 27.05 [24.75 – 36.13] | 27.00 [21.25 – 33.20] | 0.99 | 0.99 |
| Parity no. (%)01≥2 | 13 (43.3%)10 (33.3%)7 (23.3%) | 53 (67.9%)17 (21.8%)8 (10.3%) | 25 (78.1%)4 (12.5%)3 (9.4%) | 0.051 | 0.01 |
| SBP at Delivery (mmHg)Median [IQR] | 120 [114.3 – 130.0] | 170 [160.0 – 180.0] | 155 [126.3 – 170] | <0.0001 | 0.0001 |
| DBP at Delivery (mmHg)Median [IQR] | 71.5 [65.0 – 80.0] | 105 [99.5 – 110.0] | 95 [80 – 105] | <0.0001 | <0.0001 |
| Birthweight (g)Median [IQR] | 1572 [1298 – 1913] | 1336 [944 – 2253] | 940 [673 – 1164] | 0.45 | <0.0001 |
| Male no. (%) | 18 (60%) | 39 (50%) | 15 (46.87%) | 0.35 | 0.92 |
| Mode of birthVaginal birth Instrumental deliveryCaesarean section | 13 (43.33%)3 (10%)14 (46.67%) | 0 (0%)0 (0%)78 (100%) | 0 (100%)0 (100%)32 (100%) | <0.0001 | <0.0001 |
| Birthweight centile (%)<3rd3rd-10th11th-25th 26th-50th 51st-75th76th-97th>97th  | 0 (0%)0 (0%)3 (10%)5 (16.7%)9 (30%)12 (40%)1 (3.3%) | 9 (11.53%)11 (14.10%)26 (33.33%)24 (30.77%)5 (6.41%)3 (3.86%)0 (0%) | 14 (43.75%)18 (56.25%)0 (0%)0 (0%)0 (0%)0 (0%)0 (0%) | <0.0001 | <0.0001 |

**Supplementary Table 2: Maternal characteristics and pregnancy outcomes for patients whose placental samples were obtained from Mercy Tissue Bank for protein analysis.** BMI = body mass index. SBP = systolic blood pressure. DBP = diastolic blood pressure. Ordinary one-way ANOVA tests used for normally distributed data and Kruskal-Wallis tests used for non-parametric data (multiple comparison). Chi-square tests used for categorical variables. BMI data missing for 5 control samples, 10 preeclampsia samples and 2 SGA samples. Birth weight data missing for 1 control sample and 1 SGA sample.

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| --- | --- | --- | --- | --- | --- |
|  | Controls(n=21) | Preeclampsia(n=43) | SGA(n=10) | *P* value(Control vs PE) | *P* value(Control vs SGA) |
| Maternal Age (years)  Mean ± SEM | 30.14 ± 1.61 | 31.51 ± 0.83 | 30.60 ± 2.03 | 0.62 | 0.97 |
| Gestation at Delivery (weeks) Mean ± SEM | 30.11 ± 0.54 | 30.20 ± 0.36 | 29.44 ± 0.91 | 0.99 | 0.99 |
| BMI (kg/m2) Median [IQR] | 28.20 [24.25 – 34.85] | 27.00 [25.00 – 35.60] | 27.55 [25.00 – 35.60] | 0.97 | 0.99 |
| Parity no. (%)  0 1 ≥2 | 5 (23.8%)11 (52.4%)5 (23.8%) | 32 (75.4%)7 (16.3%)4 (9.3%) | 9 (90.0%)0 (00.0%)1 (10.0%) | 0.0006 | 0.0020 |
| SBP at Delivery (mmHg) Median [IQR] | 120 [111.0 – 130.0] | 170 [160.0 – 185.0] | 170 [153.8 – 182.5] | <0.0001 | <0.0001 |
| DBP at Delivery (mmHg) Median [IQR] | 70 [67.5 – 80.0] | 100 [95.0 – 110.0] | 100 [93.7 – 108.8] | <0.0001 | <0.0001 |
| Birthweight (g) Median [IQR] | 1585 [1278 – 1943] | 1253 [866.8 – 1479] | 696 [594 – 1182] | 0.02 | 0.0004 |
| Male no. (%) | 11 (52.4%) | 23 (53.5%) | 4 (40.0%) | 0.93 | 0.52 |
| Mode of birthVaginal birth Instrumental deliveryCaesarean section | 0 (0%)0 (0%)21 (100%) | 0 (0%)0 (0%)43 (100%) | 0 (0%)0 (0%)10 (100%) | - | - |
| Birthweight centile (%)<3rd3rd-10th11th-25th 26th-50th 51st-75th76th-97th>97th  | 0 (0%)0 (0%)2 (9.52%)4 (19.05%)6 (28.57%)8 (38.10%)1 (4.76%) | 4 (9.30%)6 (13.95%)13 (30.23%)14 (32.56%)4 (9.30%)2 (4.66%)0 (0%) | 4 (40%)6 (60%)0 (0%)0 (0%)0 (0%)0 (0%)0 (0%) | <0.0001 | <0.0001 |