sFlt-1 Validation

\[ p \text{ value} = 2.23 \times 10^{-10} \text{ (all Normal vs PE)} \]

\[ p \text{ value} = 2.31 \times 10^{-6} \]

\[ p \text{ value} = 2.99 \times 10^{-5} \]

Supplementary Figure 1-1

Gestational age (weeks)

GA 23-34 weeks
- Normal N=16
- PE N=15

GA > 34 weeks
- Normal N=16
- PE N=17
PIGF Validation

\[ p \text{ value} = 6.48 \times 10^{-5} \] (all Normal vs PE)

Supplementary Figure 1-2
HPX Validation

$p value = 8.581 \times 10^{-5}$ (all Normal vs PE)

**Box plots**

- **Normal**
  - GA 23-34 weeks: N=16
  - GA > 34 weeks: N=16

- **PE**
  - GA 23-34 weeks: N=15
  - GA > 34 weeks: N=17

**Graphs**

- **HPX (ug/ml)**
  - P value: $2.84 \times 10^{-3}$ for GA 23-34 weeks
  - P value: $1.51 \times 10^{-2}$ for GA > 34 weeks

- **Gestational age (weeks)**
ADAM12 Validation

$p\ value = 1.50 \times 10^{-3}$ (all Normal vs PE)

Gestational age (weeks)
**HP Validation**

\[ p \text{ value} = 3.87 \times 10^{-2} \ (\text{all Normal vs PE}) \]

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**Supplementary Figure 1-5**

**HP Validation**

\[ p \text{ value} = 2.32 \times 10^{-1} \]

\[ p \text{ value} = 1.10 \times 10^{-1} \]

**Gestational age (weeks)**

- **GA 23-34 weeks**
  - Normal: N=16
  - PE: N=15

- **GA > 34 weeks**
  - Normal: N=16
  - PE: N=17
**A2M Validation**

\[ p \text{ value} = 2.42 \times 10^{-3} \text{ (all Normal vs PE) } \]

**Supplementary Figure 1-6**

- **GA 23-34 weeks**
  - Normal: N=16
  - PE: N=15

- **GA > 34 weeks**
  - Normal: N=16
  - PE: N=17

![Box plots showing A2M levels in Normal and PE groups across different gestational ages.](image)
**APO-E Validation**

\[ p \text{ value } = 2.25 \times 10^{-3} \text{ (all Normal vs PE) } \]

**Graphs:**
- **Left Graph:** Box plots showing APO-E levels in Normal and PE groups for GA 23-34 weeks and GA > 34 weeks. The x-axis represents the gestational age in weeks, and the y-axis represents APO-E levels in ug/ml. The p-values are marked on the x-axis.
- **Right Graph:** Scatter plot showing the relationship between APO-E levels and gestational age. The data points are color-coded by gestational age groups, with different line trends indicating the change in APO-E levels over gestational age.

**Legend:**
- **Normal**: Green (\(N=16\))
- **PE**: Pink (\(N=15\))
- **Normal**: Green (\(N=16\))
- **PE**: Pink (\(N=17\))
APO C-III Validation

$p$ value $= 9.46 \times 10^{-4}$ (all Normal vs PE)

GA 23-34 weeks
Normal N=16  PE N=15

GA > 34 weeks
Normal N=16  PE N=17
APO A-I Validation

$p$ value $= 4.46 \times 10^{-4}$ (all Normal vs PE)

$p$ value $= 1.67 \times 10^{-3}$

$p$ value $= 8.72 \times 10^{-2}$

Supplementary Figure 1-9
RBP4 Validation

\[ p \text{ value } = 5.32 \times 10^{-3} \quad \text{(all Normal vs PE)} \]

![Graph showing RBP4 validation with gestational age (weeks) and p-values.](image)
pikachurin Validation

p value = 1.92 × 10^{-8} (all Normal vs PE)

Gestational age (weeks)

- GA 23-34 weeks
  - Normal: N=16
  - PE: N=15

- GA > 34 weeks
  - Normal: N=16
  - PE: N=17

Supplementary Figure 1-11
Panel #0

Early gestational age

Panel #1

Late gestational age

Supplementary Figure 3