**ONLINE SUPPLEMENT**

**RNASeq Analysis of CD4+ T Cells Exposed to Airway Fluid from Children with Pediatric Acute Respiratory Distress Syndrome**

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**Supplemental Digital Content E1 (E1\_mildcontrol\_down.csv).** Differentially expressed genes (DEGs), downregulated, mild PARDS versus control patients.

**Supplemental Digital Content E2 (E2\_mildcontrol\_up.csv).** DEGs, upregulated, mild PARDS versus control patients.

**Supplemental Digital Content E3 (E3\_severecontrol\_down.csv).** DEGs, downregulated, severe PARDS versus control patients.

**Supplemental Digital Content E4 (E4\_severecontrol\_up.csv).** DEGs, upregulated, severe PARDS versus control patients.

**Supplemental Digital Content E5 (E5\_severemild\_down.csv).** DEGs, downregulated, severe PARDS versus mild PARDS patients.

**Supplemental Digital Content E6 (E6\_severemild\_up.csv).** DEGs, upregulated, severe PARDS versus mild PARDS patients.

**Supplemental Digital Content E7 (E7\_severemild\_down\_reactome.csv).** Reactome significantly enriched functional networks, severe PARDS versus mild PARDS patients.

**Supplemental Digital Content E8 (E8\_severecontrol\_down\_reactome.csv).** Reactome, significantly enriched functional networks, severe PARDS versus control patients.