**Table III.** Variables used in decision tree and logistic regression nulliparous Nulliparous Variable Decision tree Logistic African American race Used

Grouped age History of cesarean delivery Maternal admission weight Diabetes

Structural heart disease

Hypertension

Placenta previa

Preterm labor

Fetal growth Preterm delivery

Fetal distress

Uterine abnormality

Abruptio placentae

Chorioamnionitis

Herpes simplex virus infection

Type of membrane rupture Fetal presentation

Umbilical cord prolapse Meconium-stained amniotic fluid

Other pulmonary condition

Used

Used

Used

Used

Used

Used

Used

Used Used Used

Used Used Used Used Used Used Used Used

Used

Used

Used

Used

Used