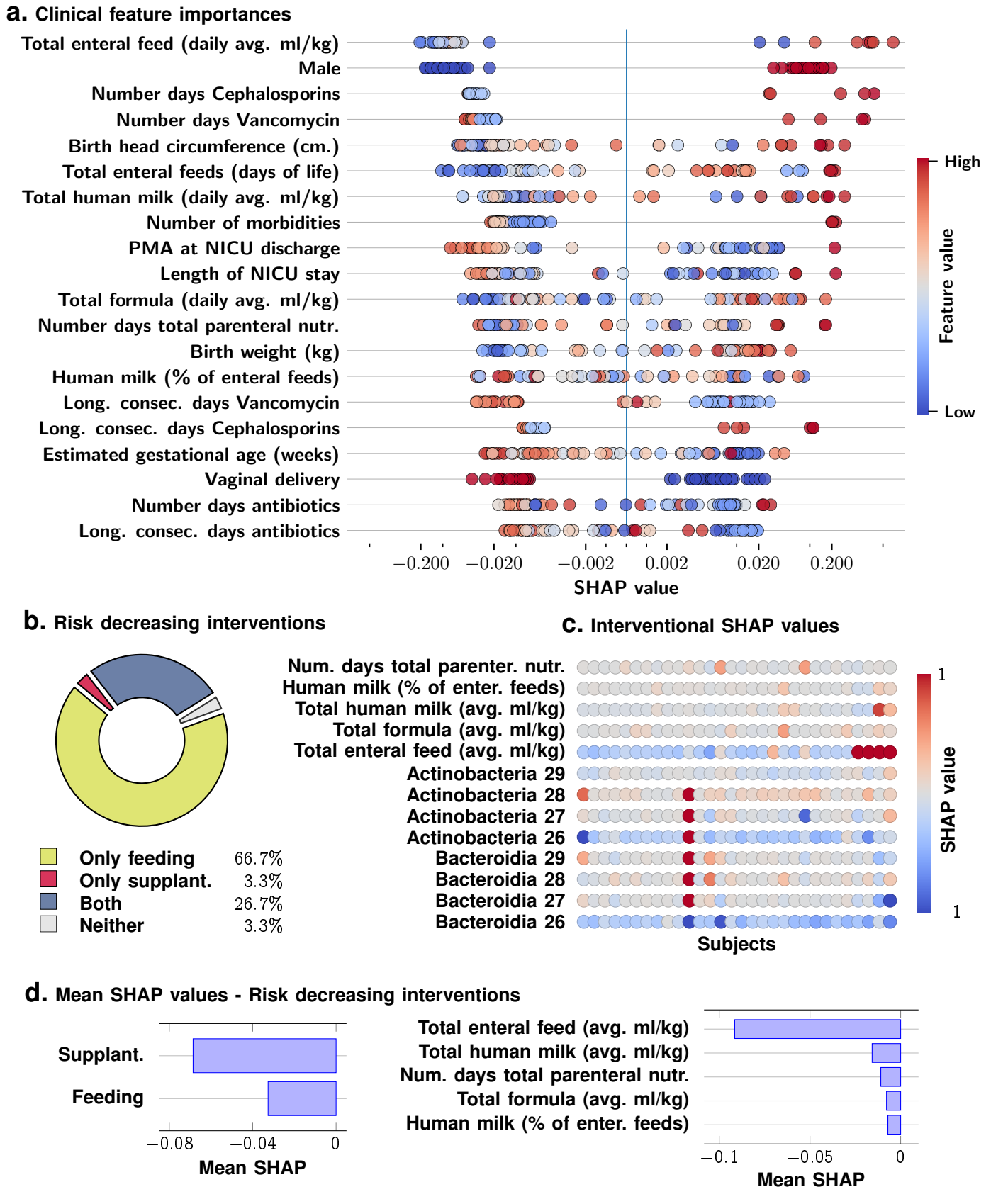
a. Clinical feature importances
Total enteral feed (daily avg. ml/kg)
Male
Number days Cephalosporins
Number days Vancomycin
Birth head circumference (cm.)
Total enteral feeds (days of life)
Total human milk (daily avg. ml/kg)
Number of morbidities
PMA at NICU discharge
Length of NICU stay
Total formula (daily avg. ml/kg)
Number days total parenteral nutr.
Birth weight (kg)
Human milk (% of enteral feeds)
Long. consec. days Vancomycin
Long. consec. days Cephalosporins
Estimated gestational age (weeks)
Vaginal delivery
Number days antibiotics
Long. consec. days antibiotics
−0.200
−0.020
−0.002
0.002
0.020
0.200
SHAP value
High
Feature value
Low
b. Risk decreasing interventions
Only feeding 66.7%
Only supplant. 3.3%
Both 26.7%
Neither 3.3%
c. Interventional SHAP values
Num. days total parenter. nutr.
Human milk (% of enter. feeds)
Total human milk (avg. ml/kg)
Total formula (avg. ml/kg)
Total enteral feed (avg. ml/kg)
Actinobacteria 29
Actinobacteria 28
Actinobacteria 27
Actinobacteria 26
Bacteroidia 29
Bacteroidia 28
Bacteroidia 27
Bacteroidia 26
Subjects
1
SHAP value
−1
d. Mean SHAP values - Risk decreasing interventions
Supplant.
Feeding
−0.08
−0.04
0
Mean SHAP
Total enteral feed (avg. ml/kg)
Total human milk (avg. ml/kg)
Num. days total parenteral nutr.
Total formula (avg. ml/kg)
Human milk (% of enter. feeds)
−0.1
−0.05
0
Mean SHAP