MV 3 Phase Line Length

of validation feeders = 10149 ; Red points indicate open source feeder locations (if available)

Utility Validation Data

Synthetic

Miles

# of Feeders

Type

Typical

Uncommon

% of Feeders by Validation Class
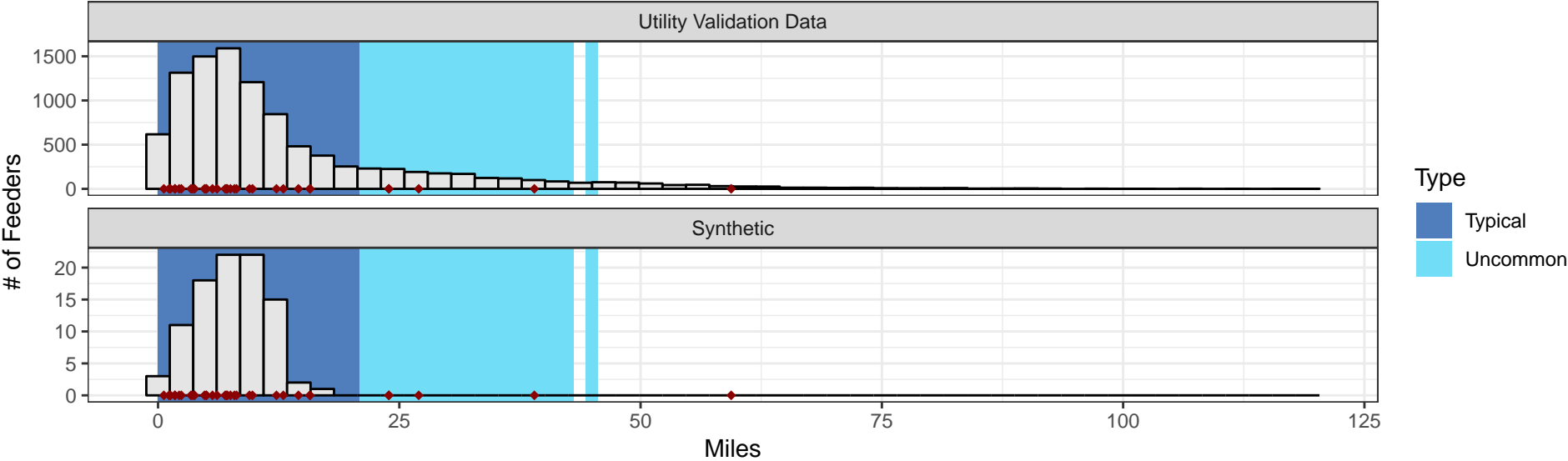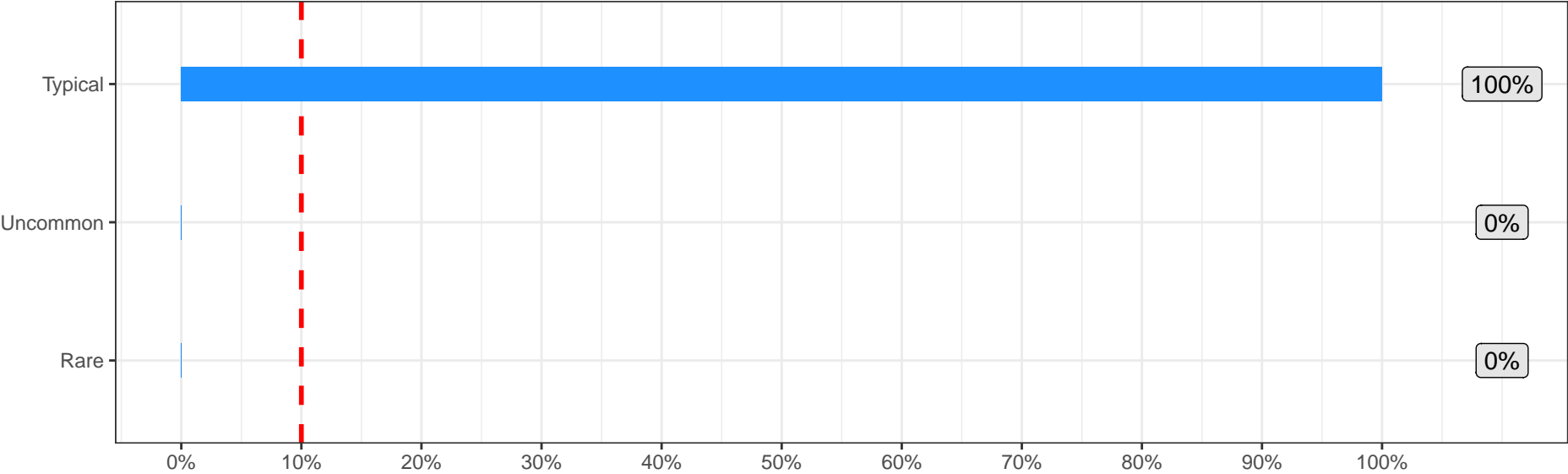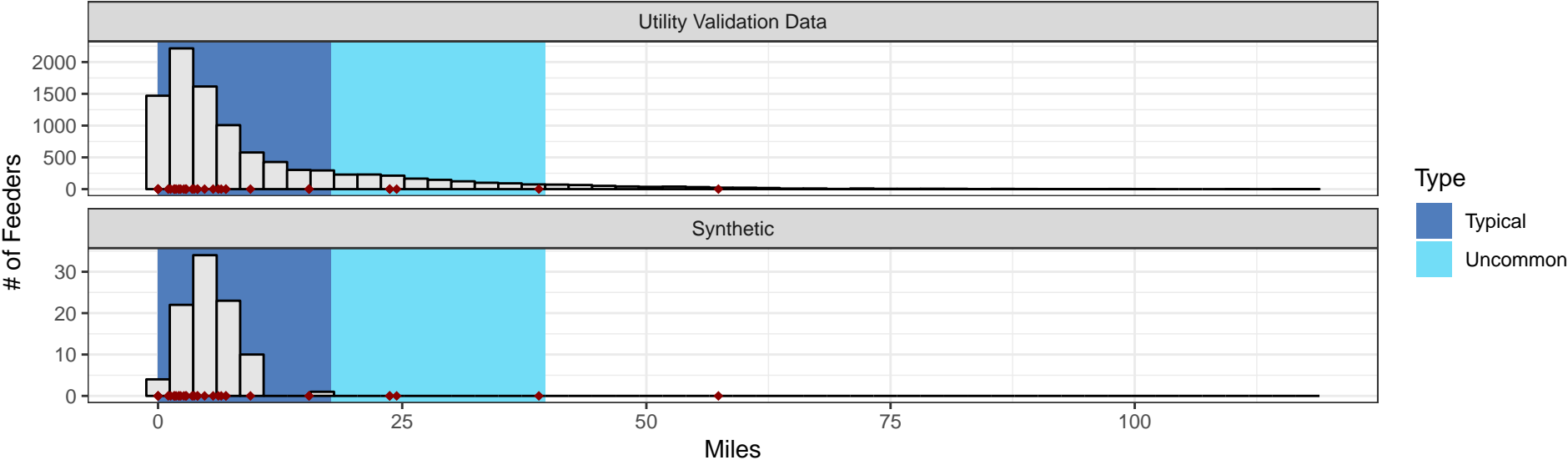
Typical — 100%

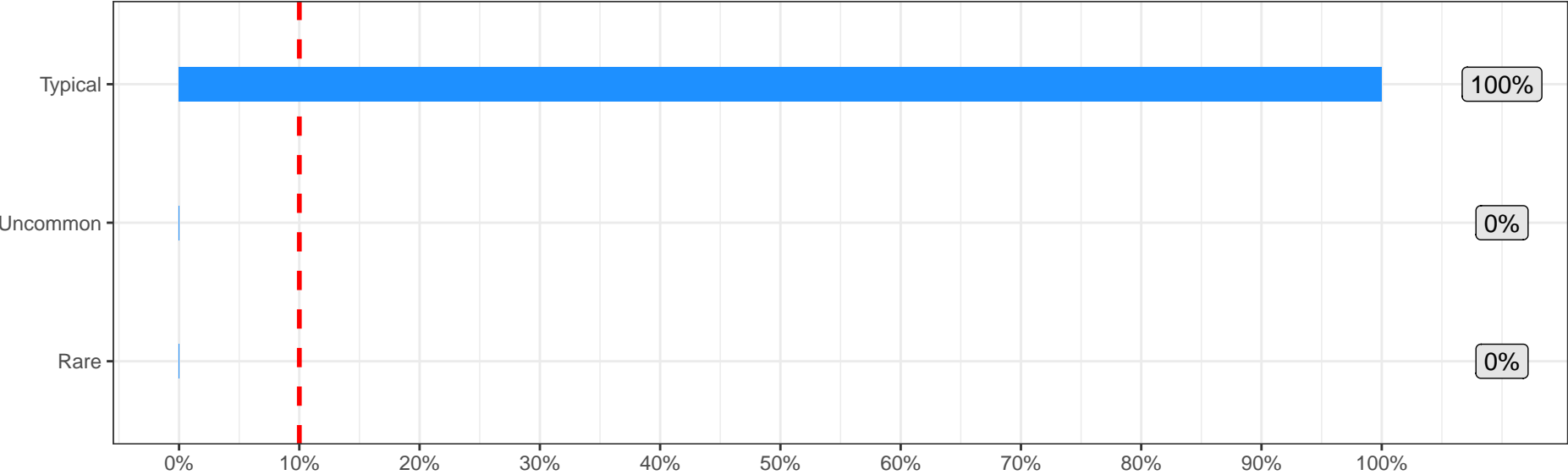Uncommon — 0%

Rare — 0%

MV Overhead 3 Phase Line Length

of validation feeders = 9747 ; Red points indicate open source feeder locations (if available)
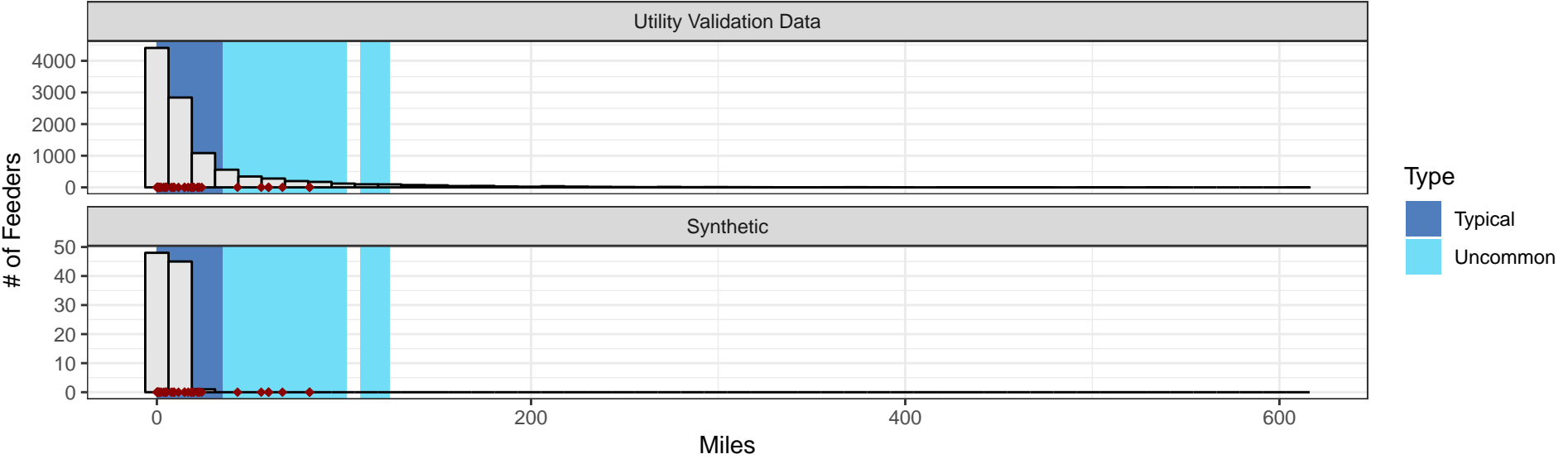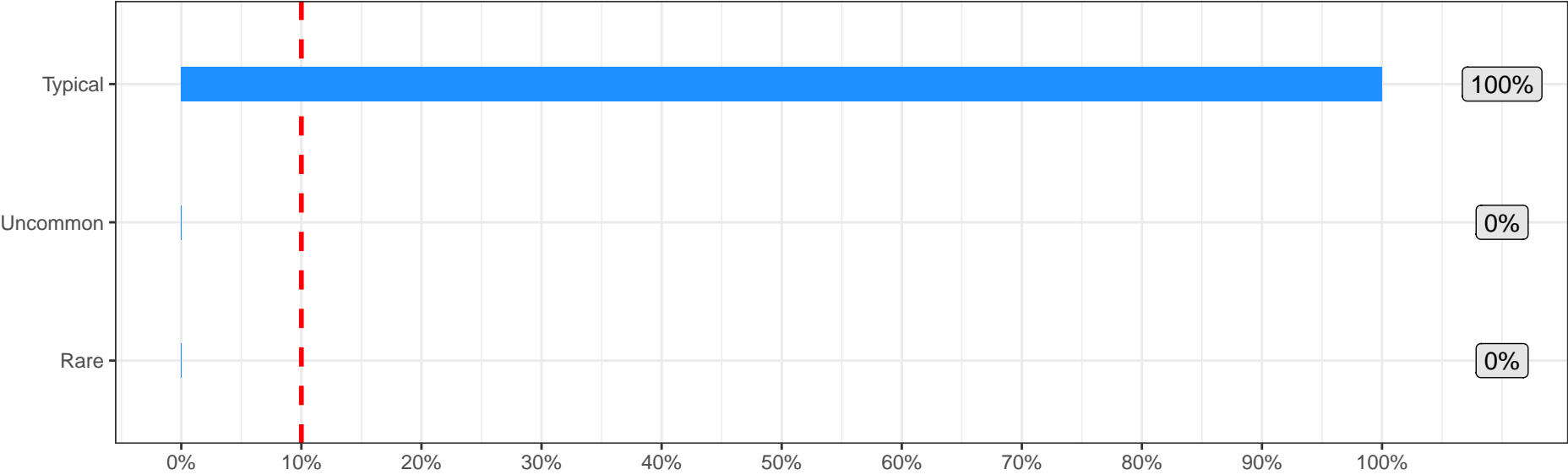

% of Feeders by Validation Class

MV 1 & 2 Phase Line Length

of validation feeders = 10632 ; Red points indicate open source feeder locations (if available)
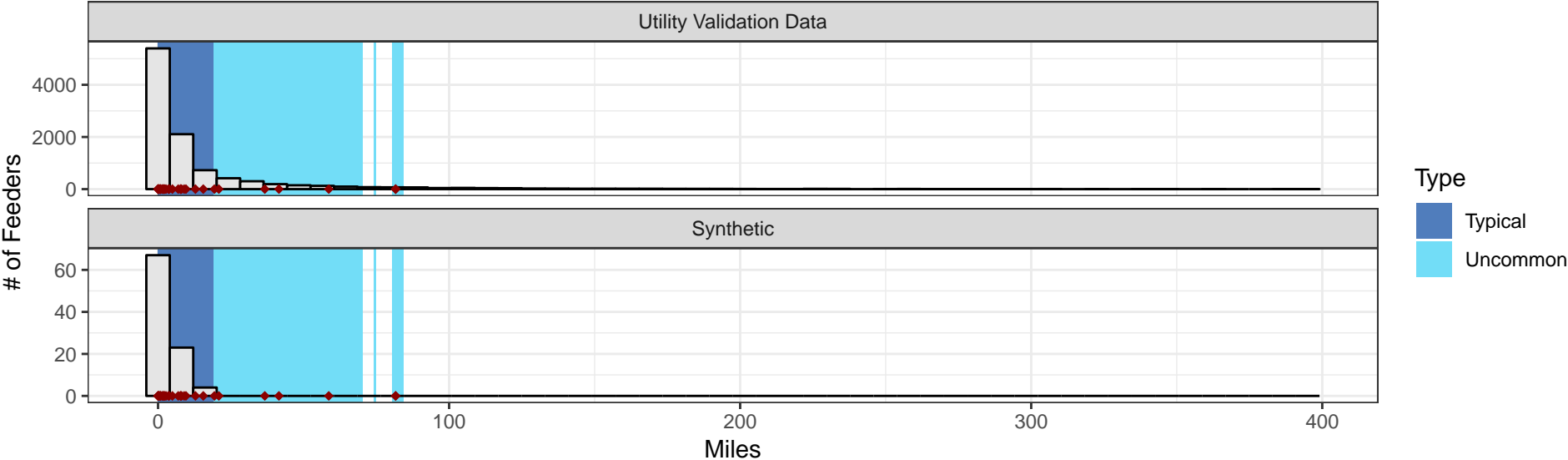
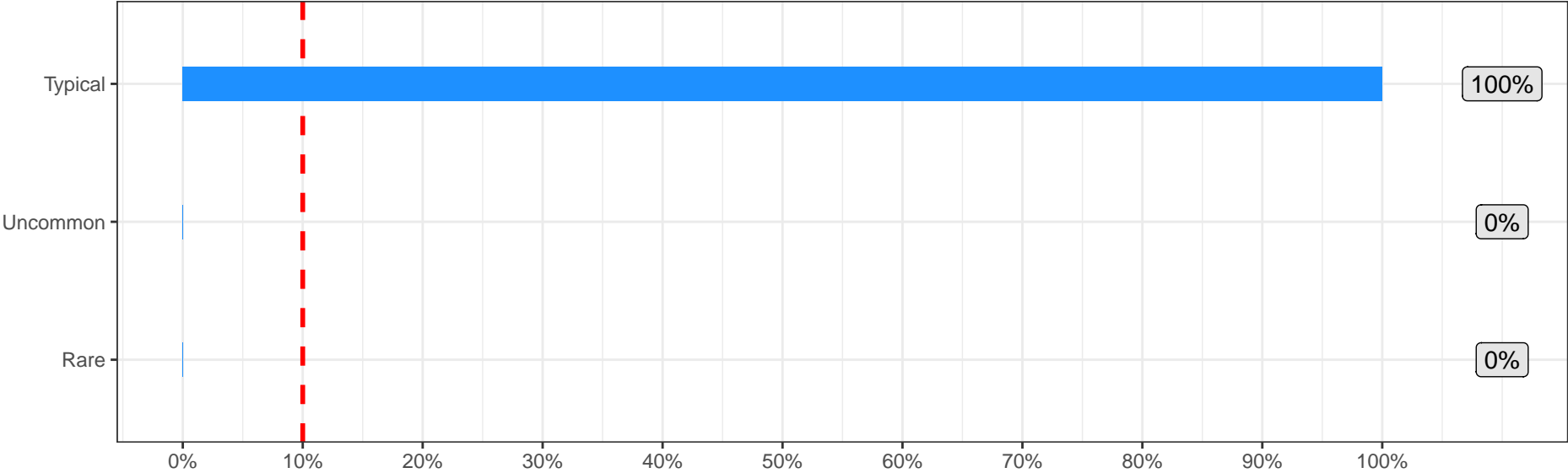

% of Feeders by Validation Class

MV Overhead 1 & 2 Phase Line Length

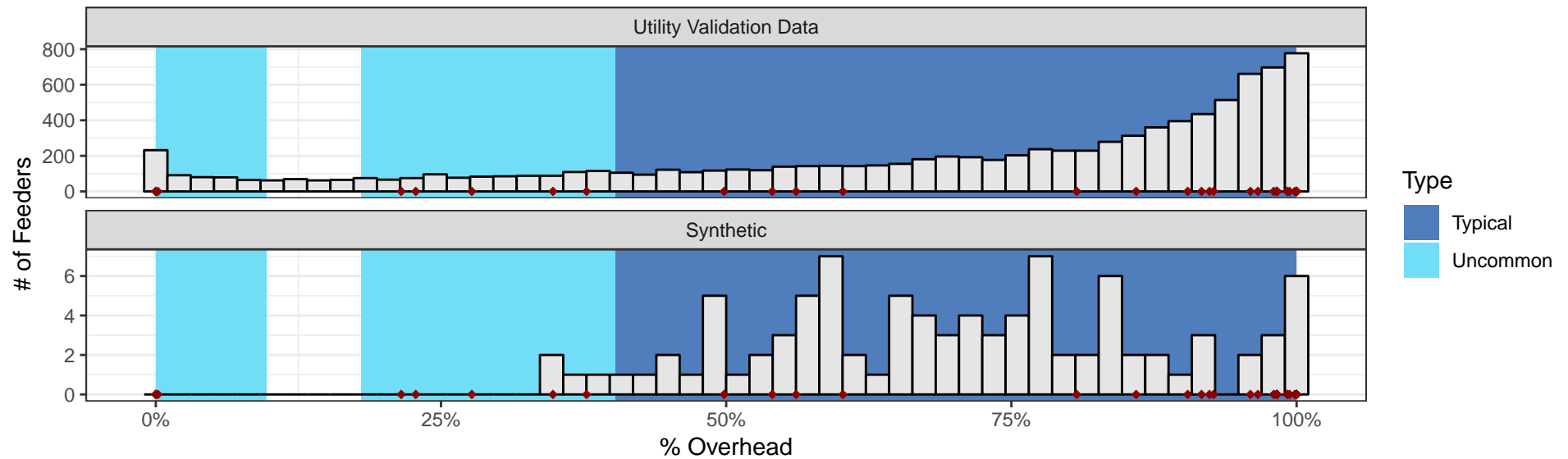# of validation feeders = 10099 ; Red points indicate open source feeder locations (if available)

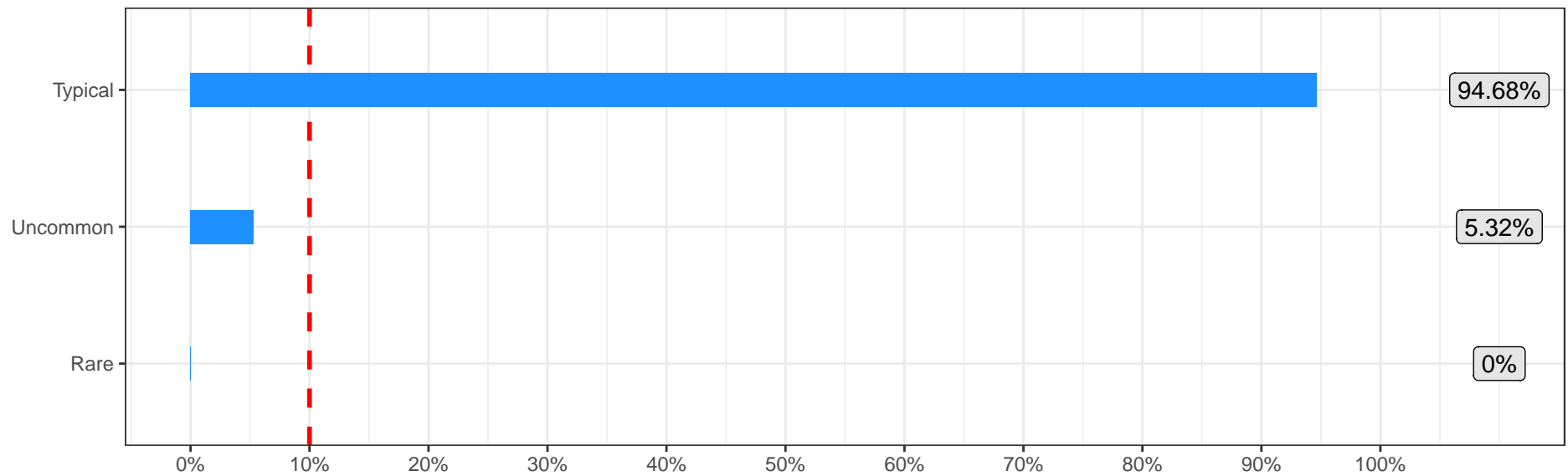

% of Feeders by Validation Class

Percent of Overhead 3 Phase Lines

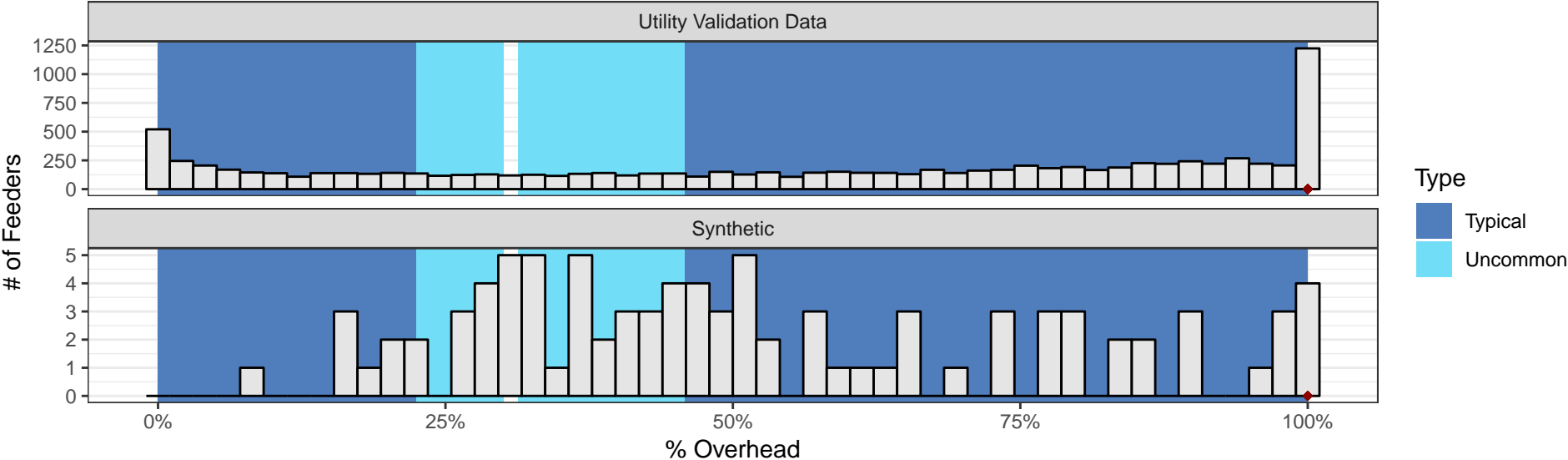# of validation feeders = 9492 ; Red points indicate open source feeder locations (if available)

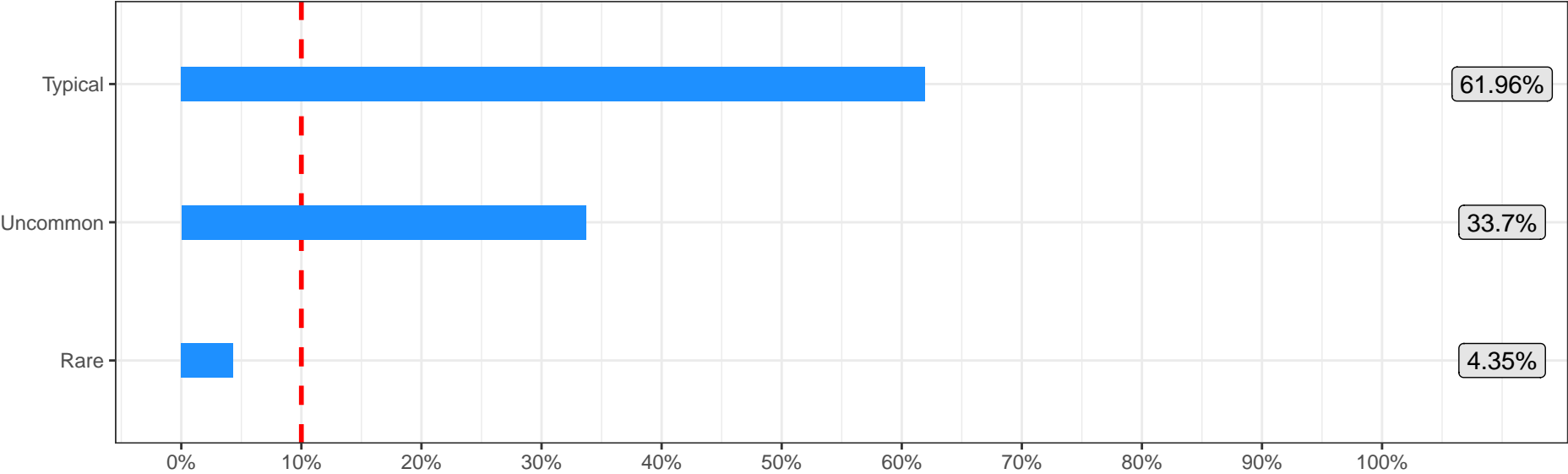

% of Feeders by Validation Class

Percent of Overhead 1 & 2 Phase Lines

of validation feeders = 9350 ; Red points indicate open source feeder locations (if available)
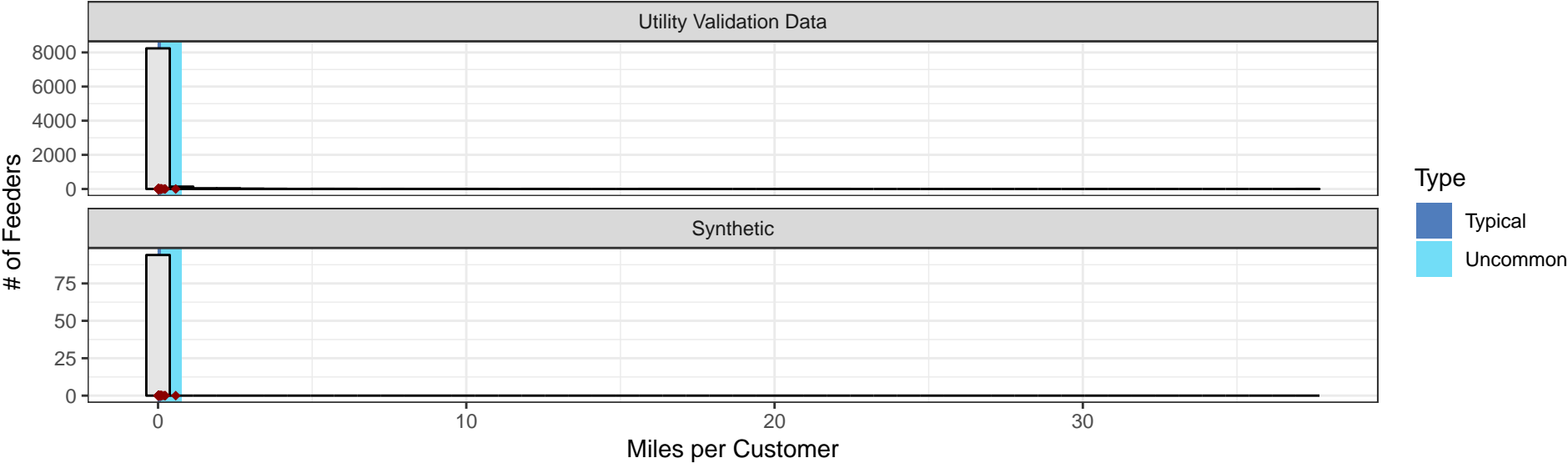
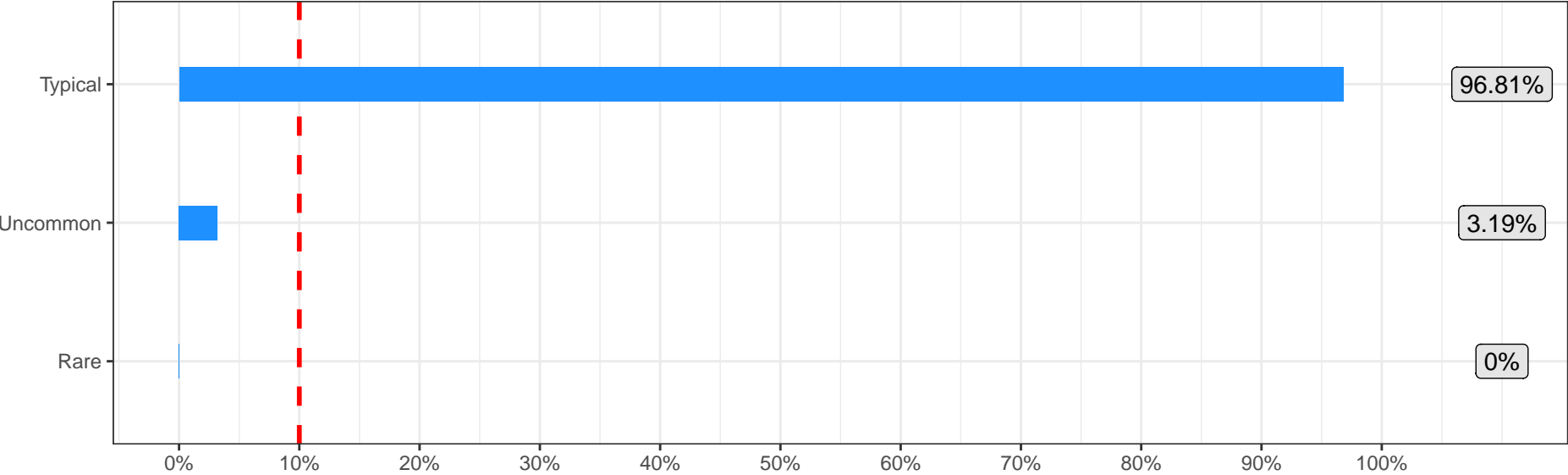

% of Feeders by Validation Class

Ratio of MV 3 Phase Line Length to Number of Customers

# of validation feeders = 8556 ; Red points indicate open source feeder locations (if available)
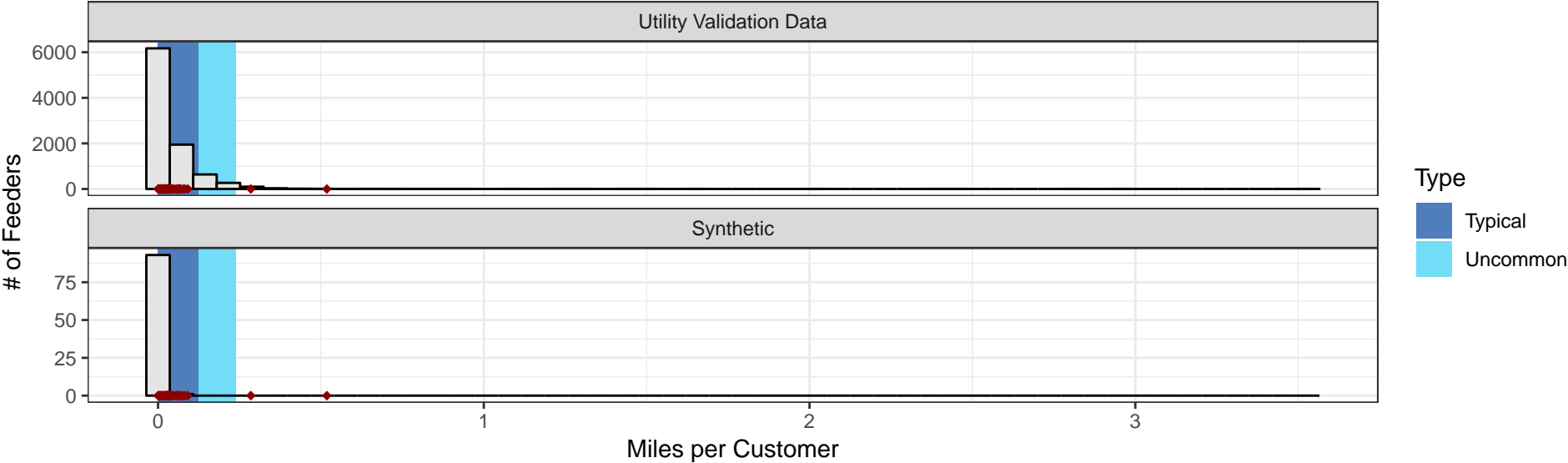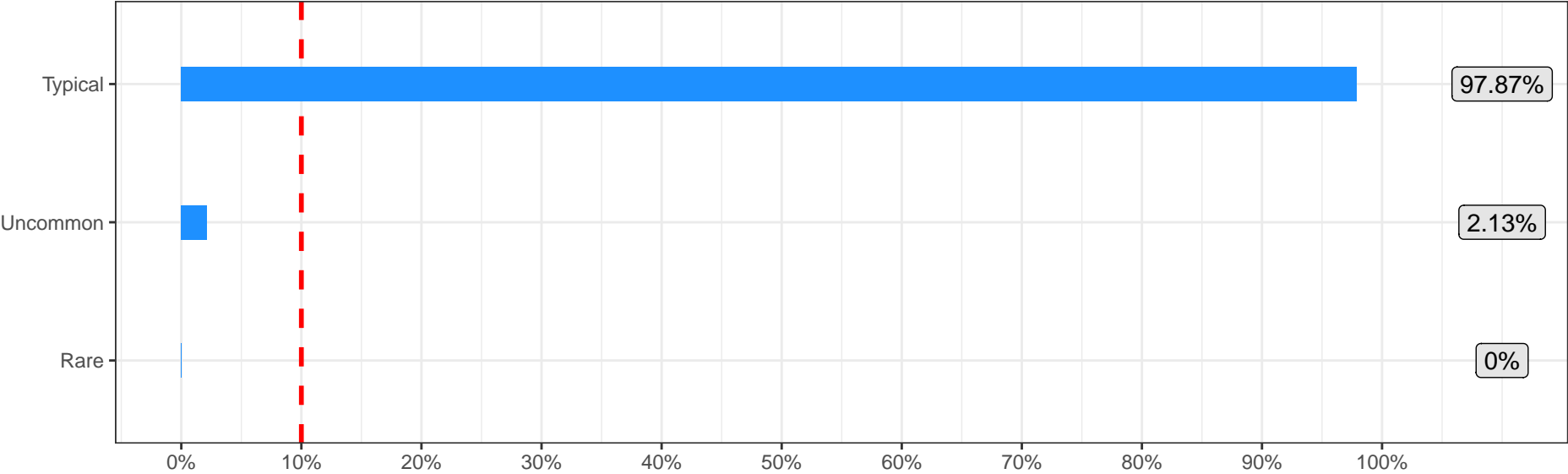
% of Feeders by Validation Class

Ratio of MV 1 & 2 Phase Line Length to Number of Customers

of validation feeders = 9221 ; Red points indicate open source feeder locations (if available)
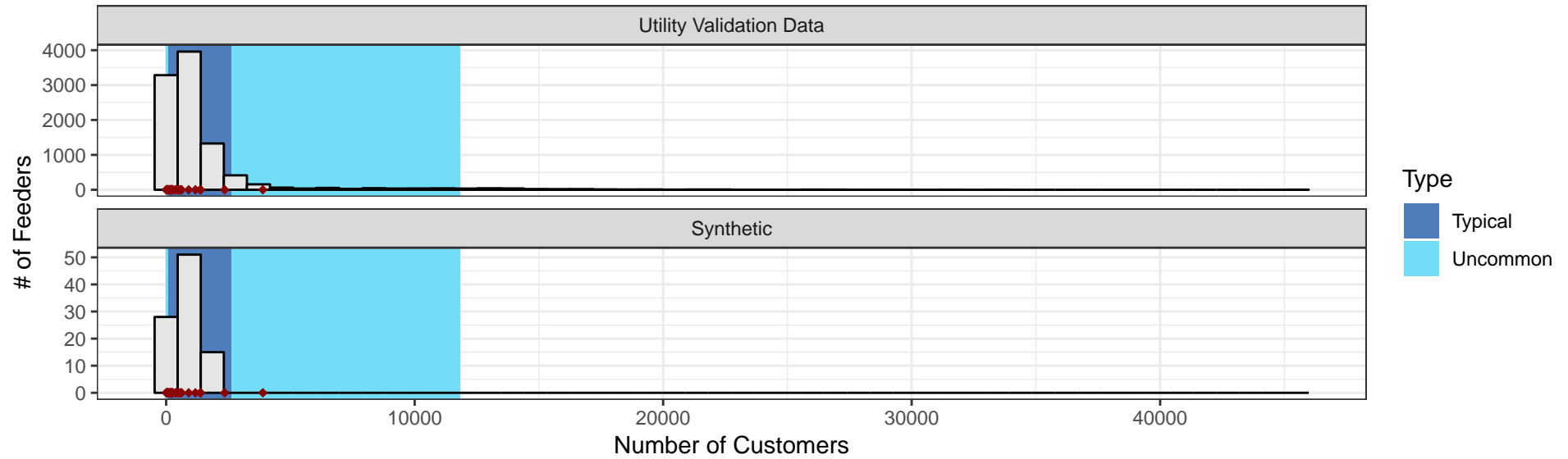
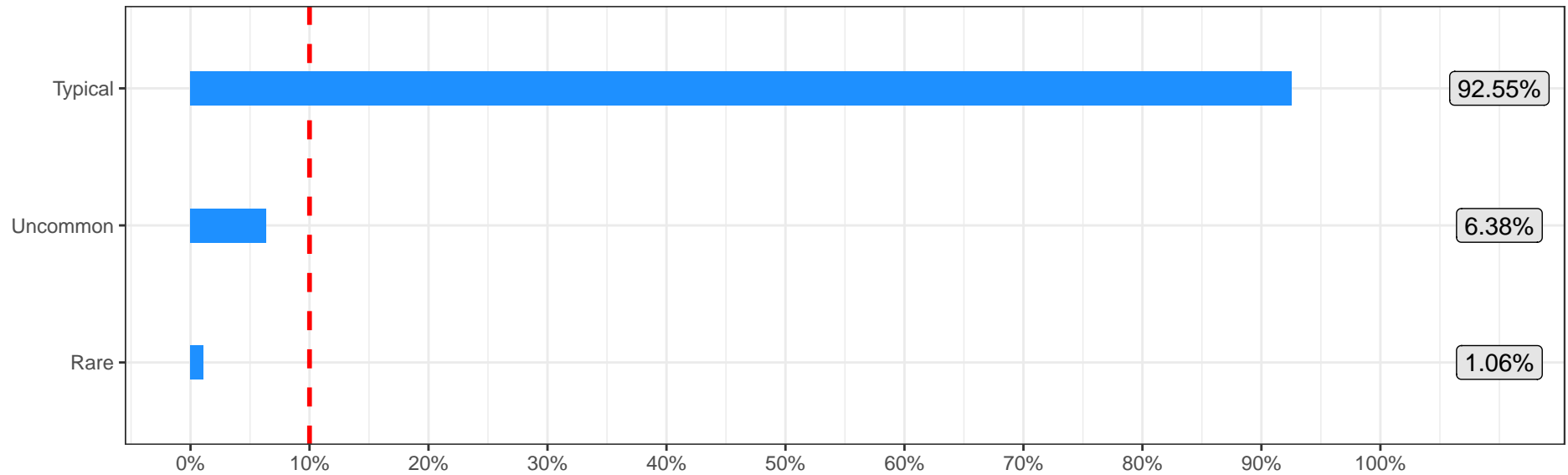

% of Feeders by Validation Class

Number of Customers

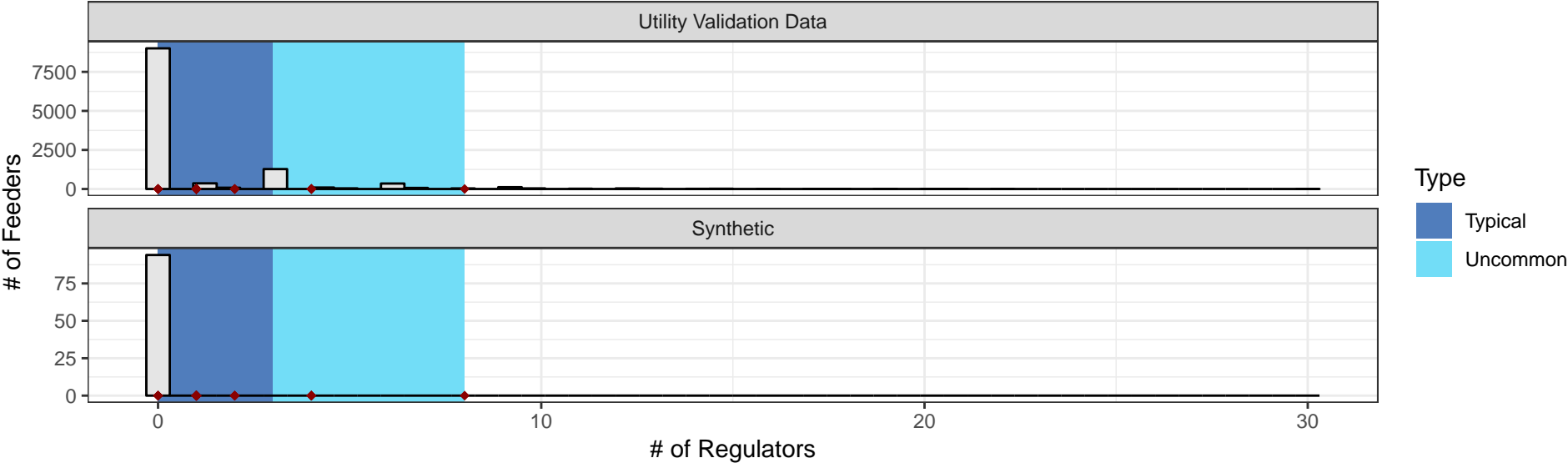# of validation feeders = 9734 ; Red points indicate open source feeder locations (if available)

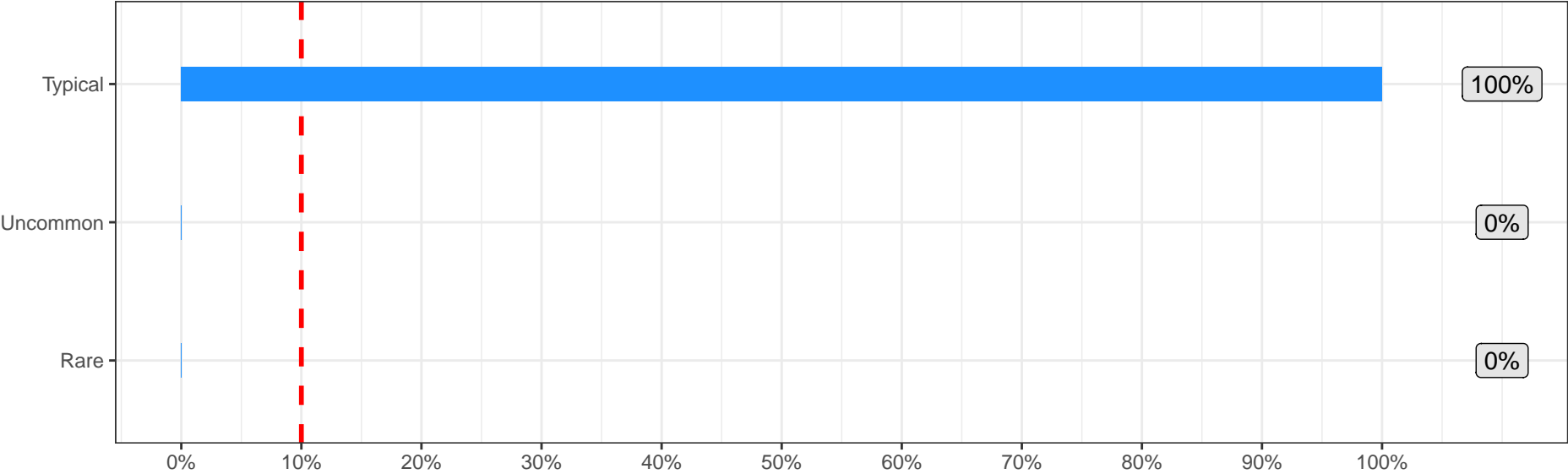

% of Feeders by Validation Class

Number of Regulators

of validation feeders = 11574 ; Red points indicate open source feeder locations (if available)
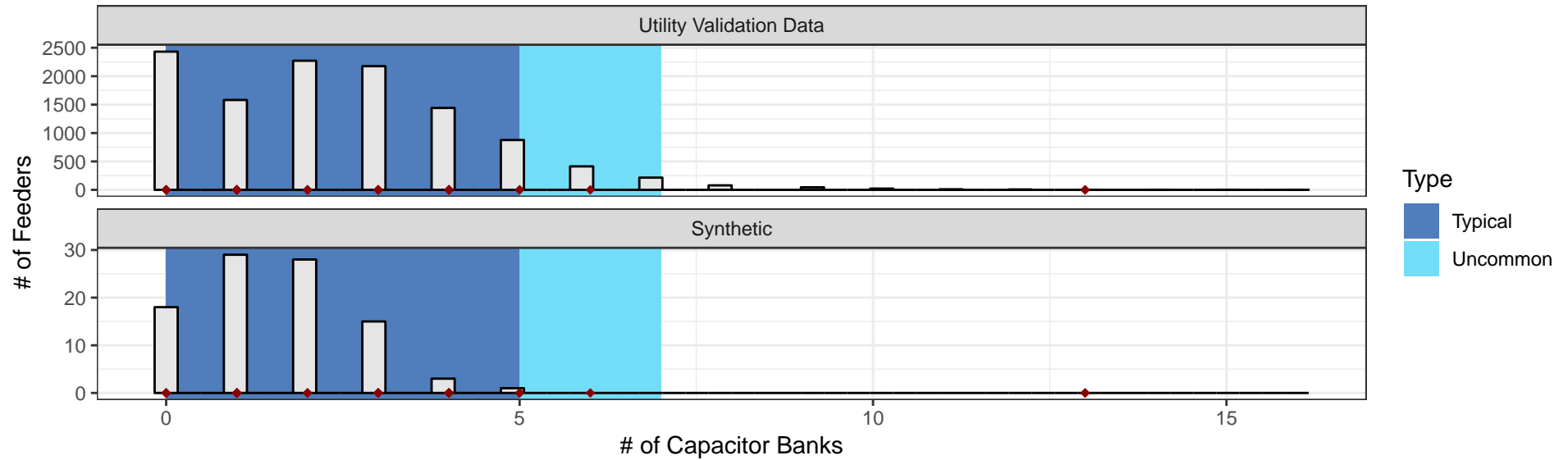
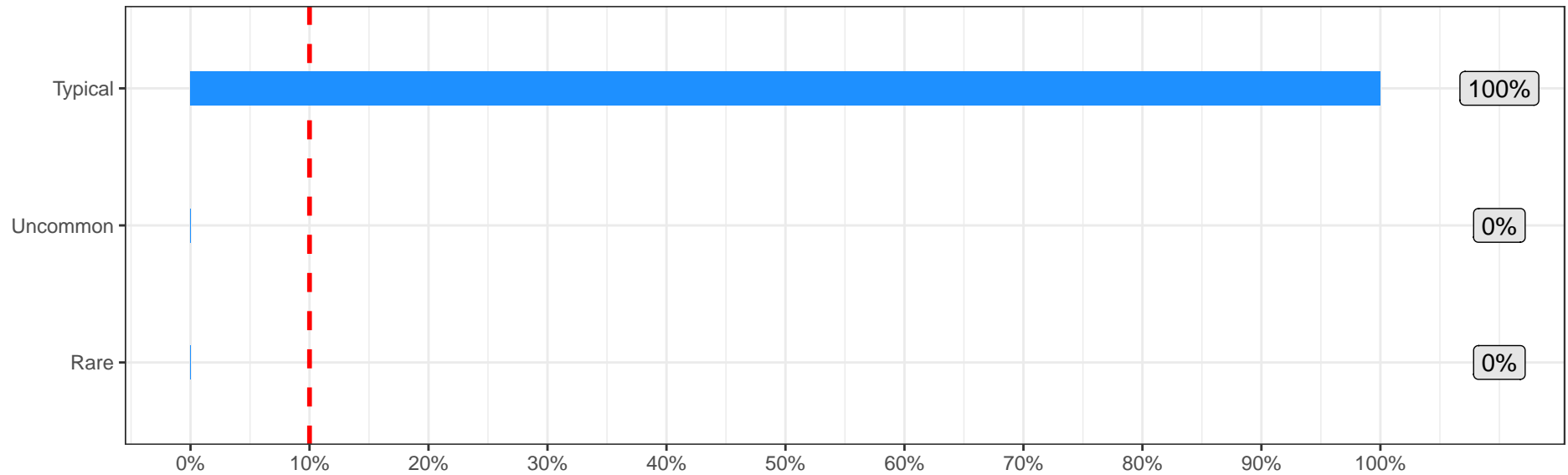

% of Feeders by Validation Class

Number of Capacitor Banks

of validation feeders = 11574 ; Red points indicate open source feeder locations (if available)
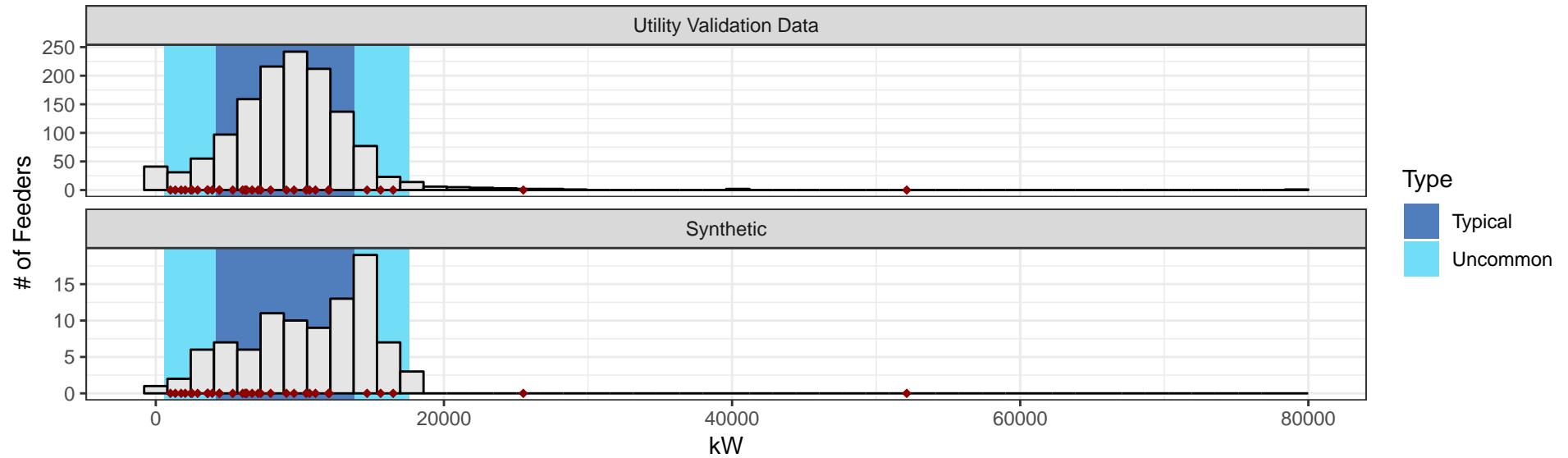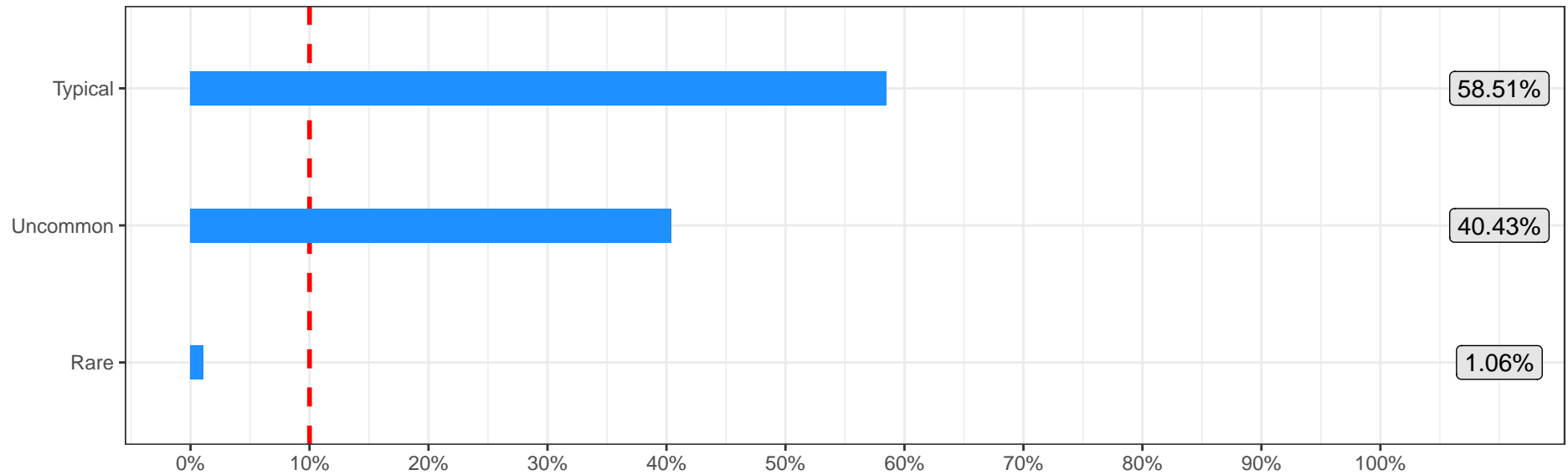
Utility Validation Data

Synthetic

# of Feeders

# of Capacitor Banks

Type

Typical

Uncommon

% of Feeders by Validation Class

Typical — 100%

Uncommon — 0%

Rare — 0%

Total Demand

of validation feeders = 1330 ; Red points indicate open source feeder locations (if available)

Total Reactive Power

of validation feeders = 1330 ; Red points indicate open source feeder locations (if available)

Utility Validation Data

Synthetic

kVAr

# of Feeders

Type
- Typical
- Uncommon

% of Feeders by Validation Class

Validation Class	Percentage
Typical	6.38%
Uncommon	90.43%
Rare	3.19%

Average Degree

of validation feeders = 5020 ; Red points indicate open source feeder locations (if available)

% of Feeders by Validation Class

Char Path Length

of validation feeders = 5020 ; Red points indicate open source feeder locations (if available)

% of Feeders by Validation Class

Graph Diameter

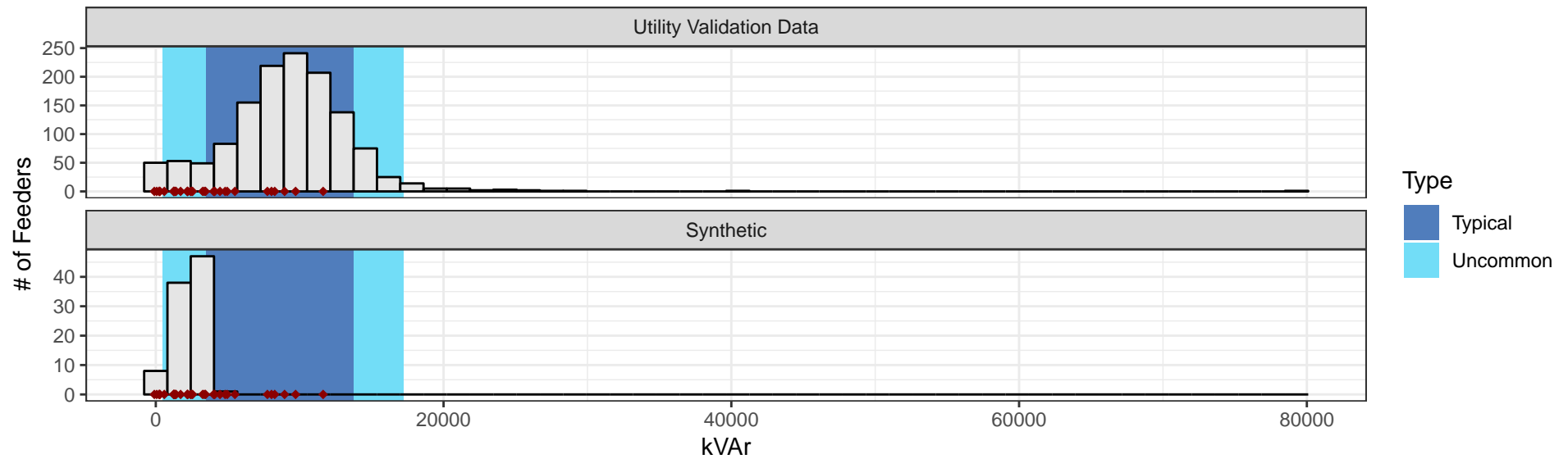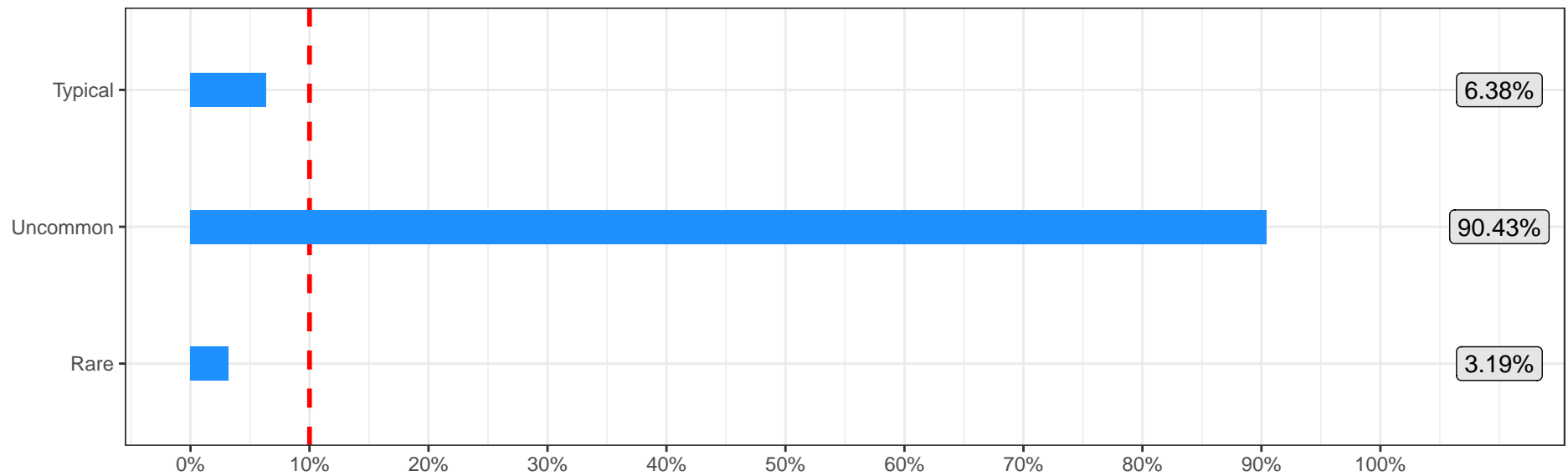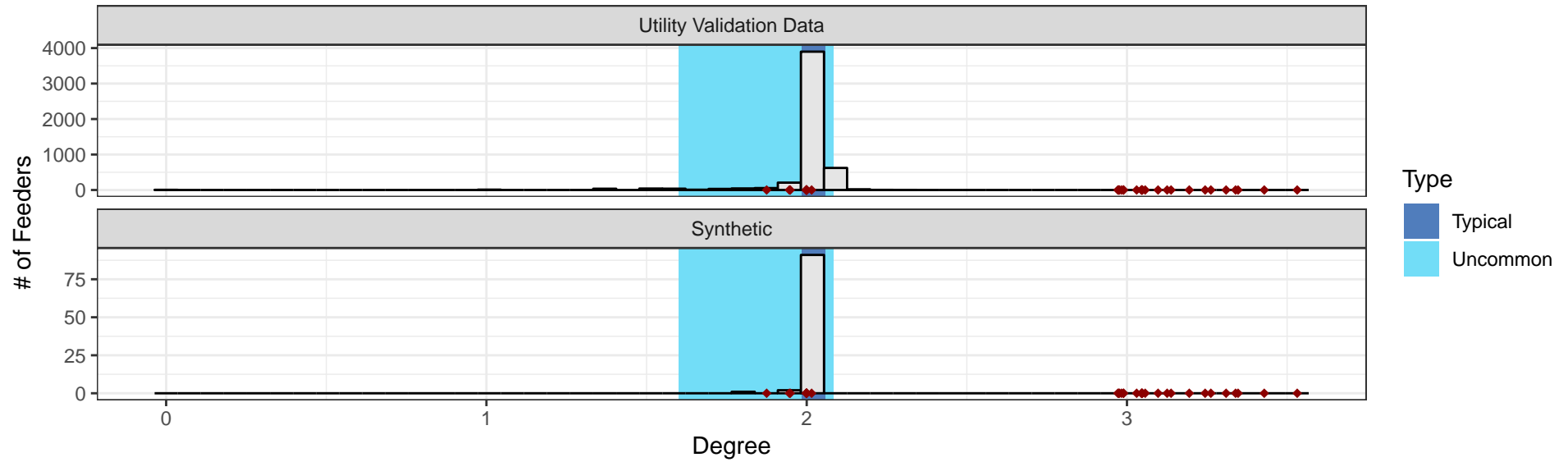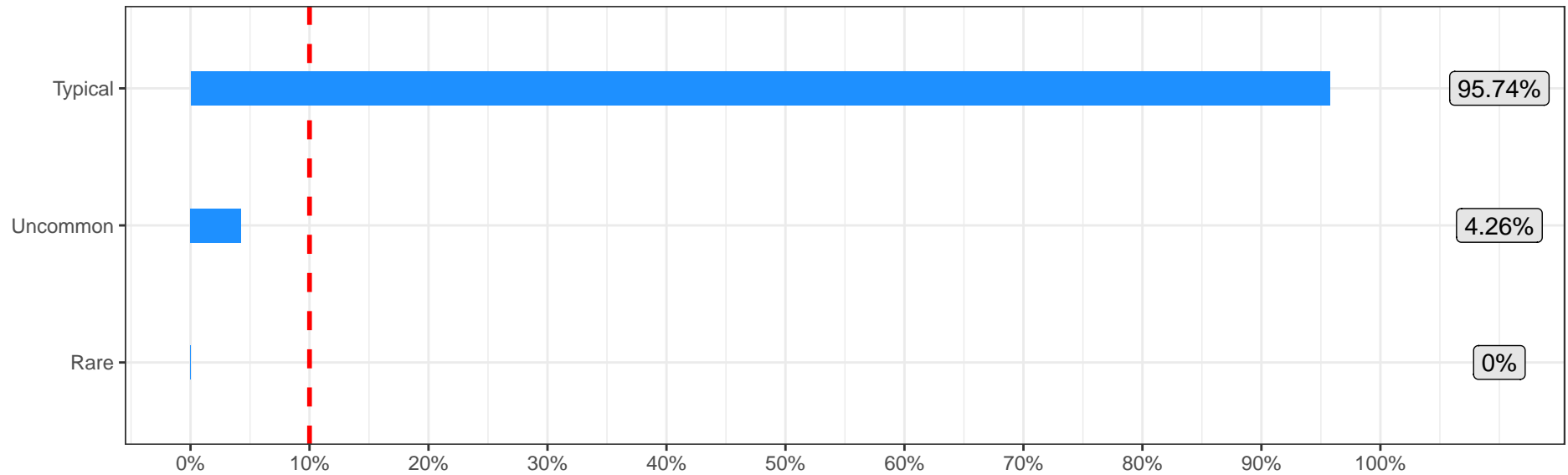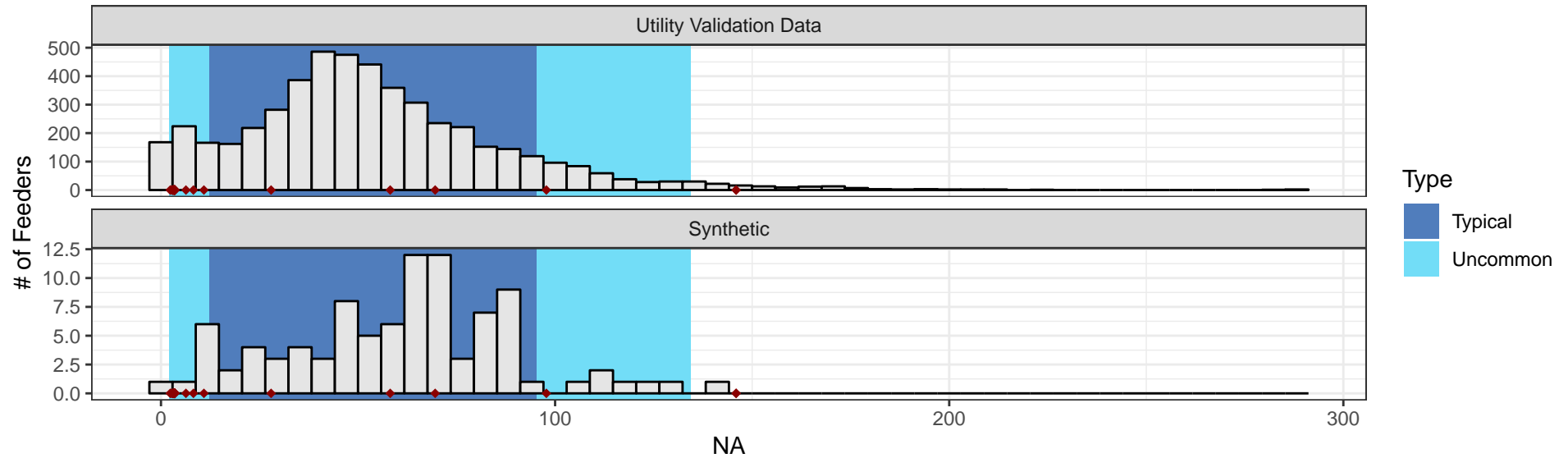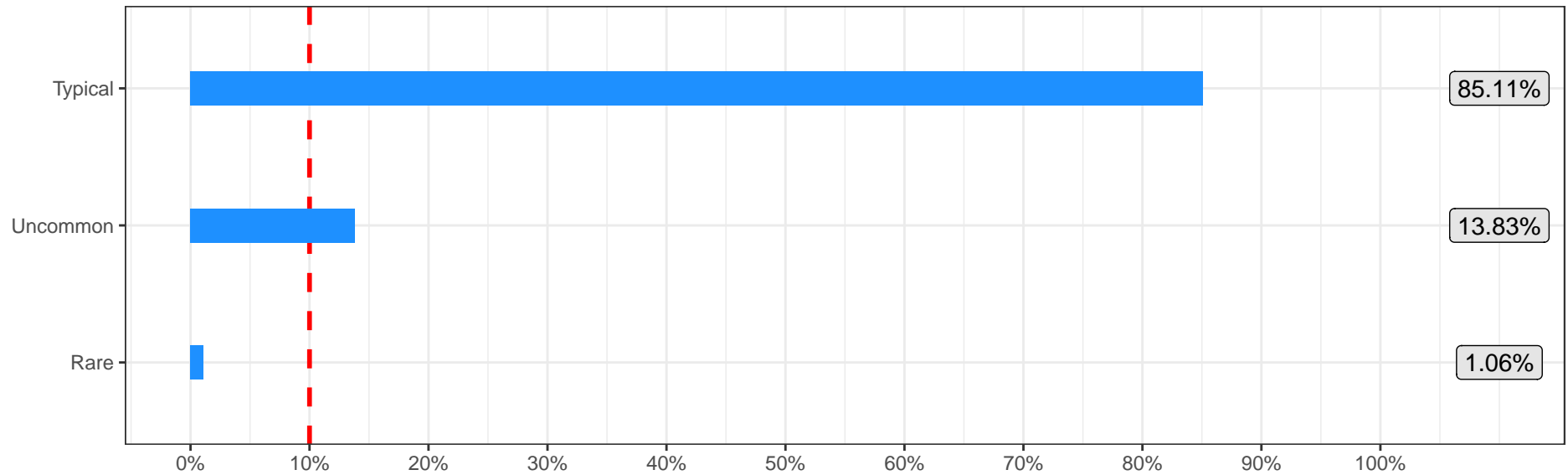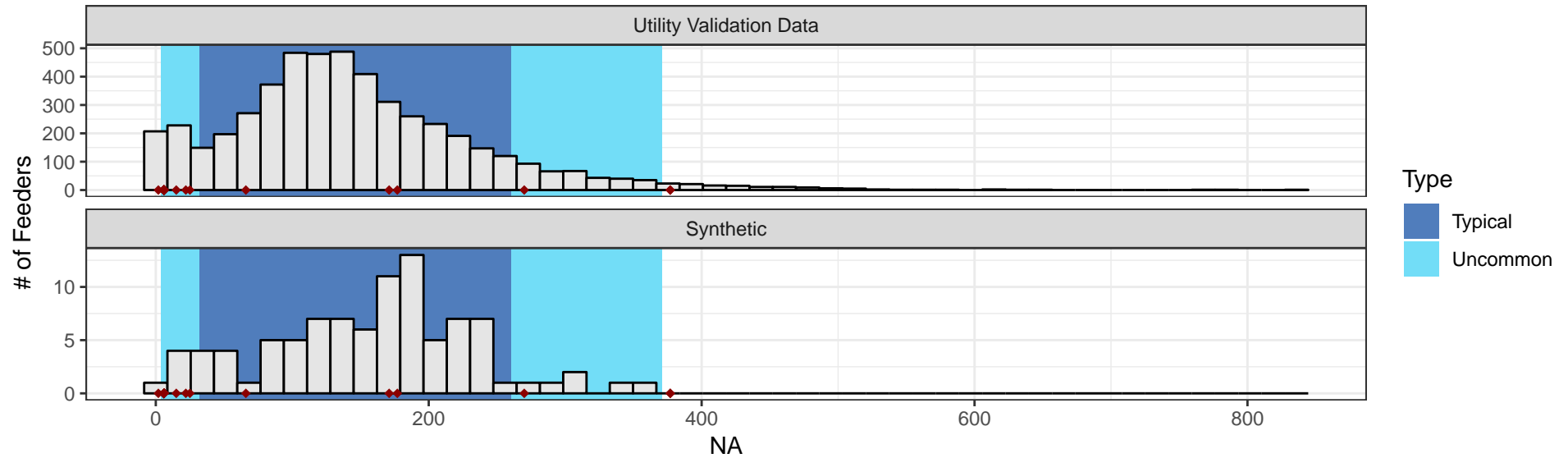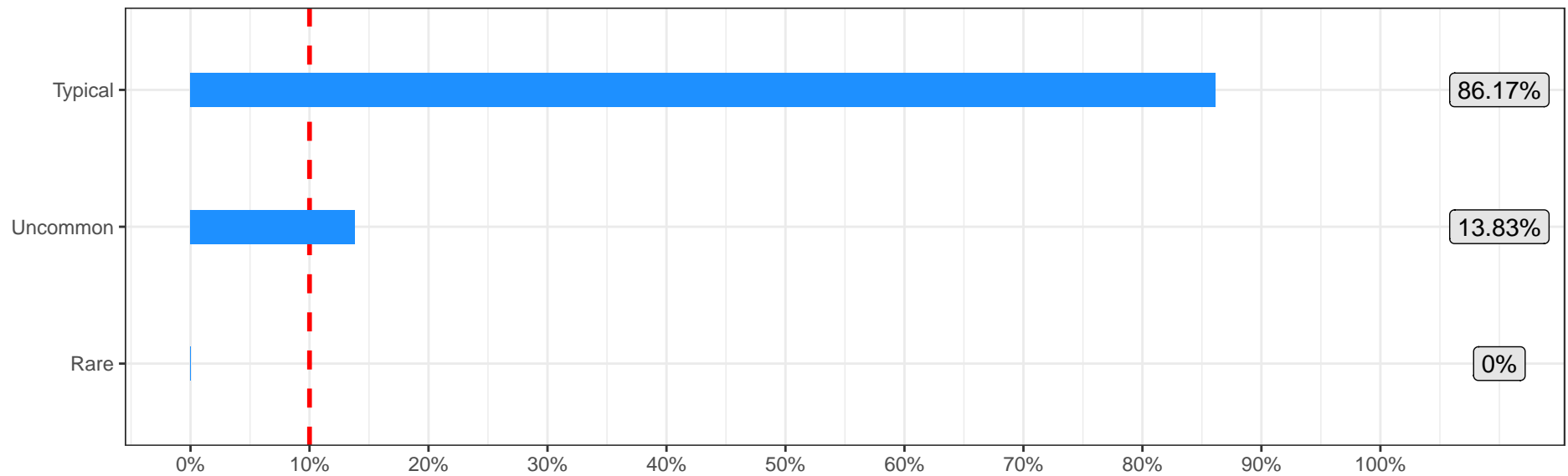# of validation feeders = 5020 ; Red points indicate open source feeder locations (if available)
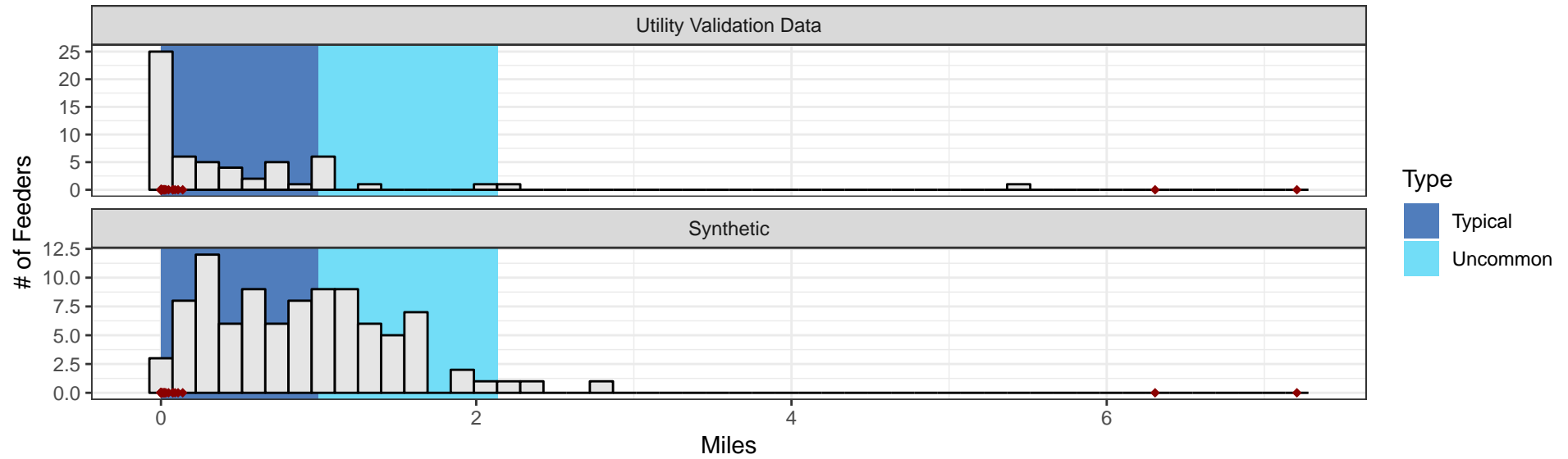
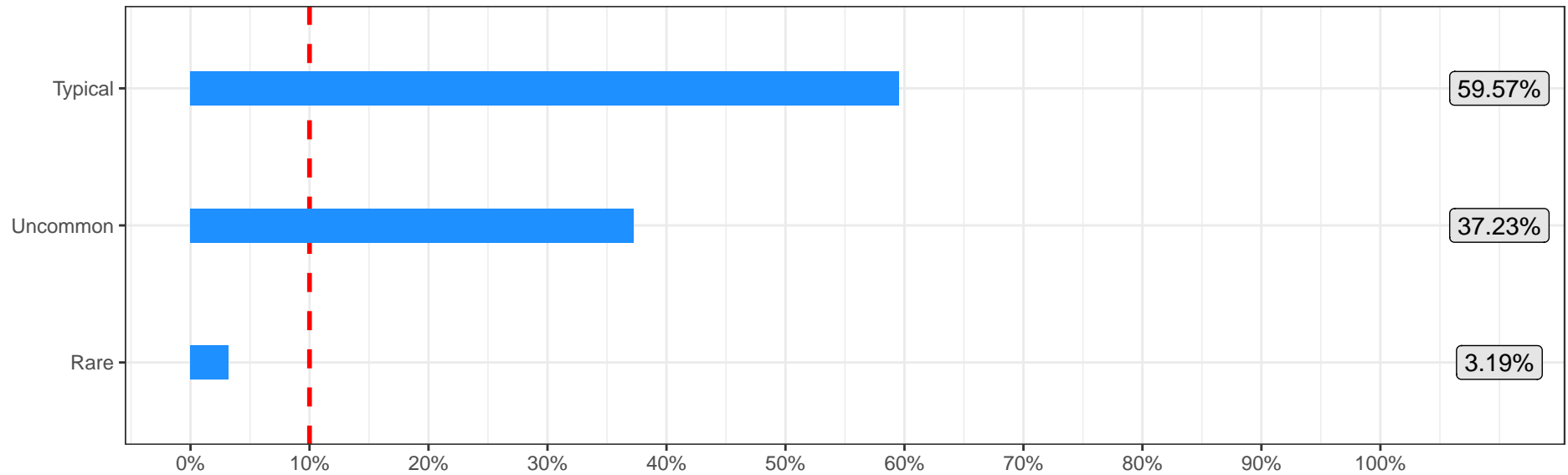

% of Feeders by Validation Class

LV 3 Phase Line Length

of validation feeders = 58 ; Red points indicate open source feeder locations (if available)

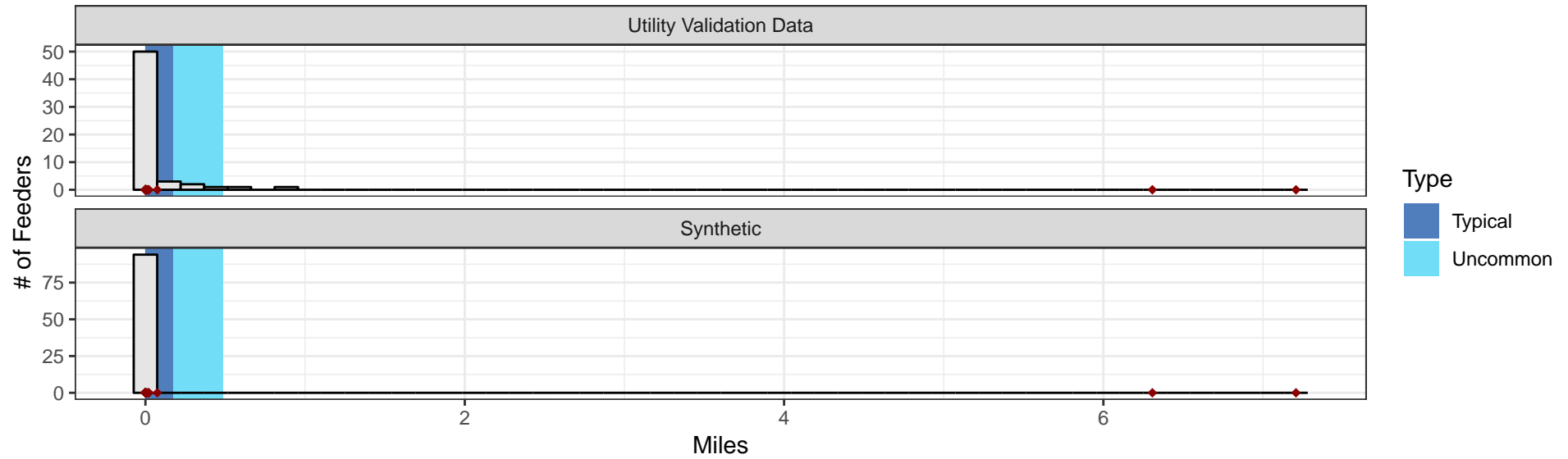

% of Feeders by Validation Class

LV Overhead 3 Phase Line Length

of validation feeders = 58 ; Red points indicate open source feeder locations (if available)

LV 1 Phase Line Length

of validation feeders = 57 ; Red points indicate open source feeder locations (if available)
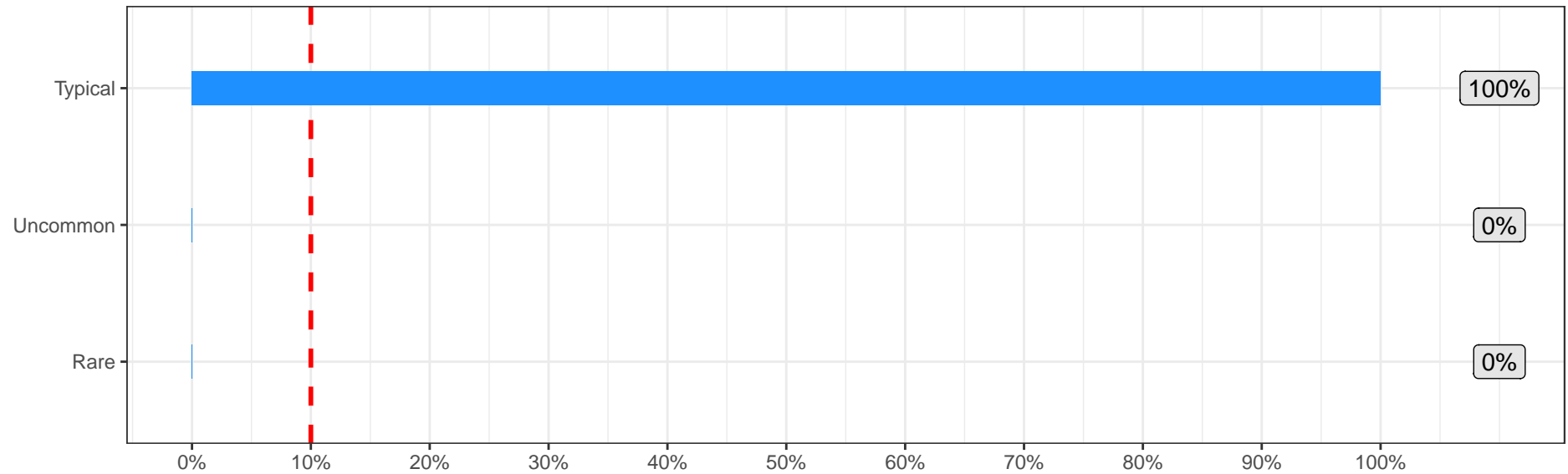

% of Feeders by Validation Class

LV Overhead 1 Phase Line Length

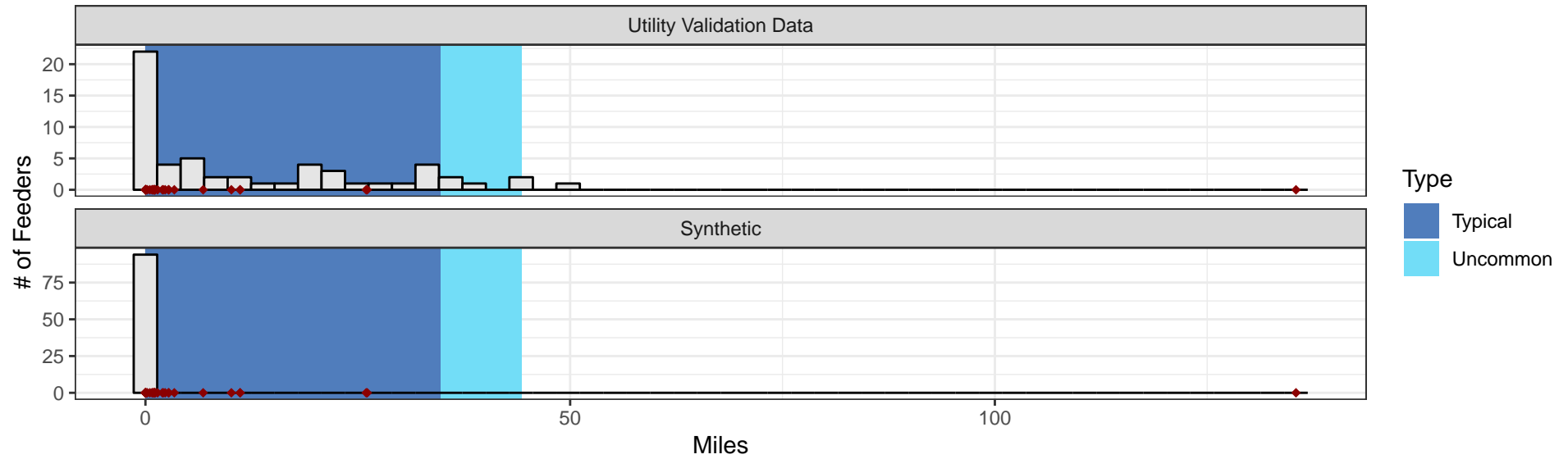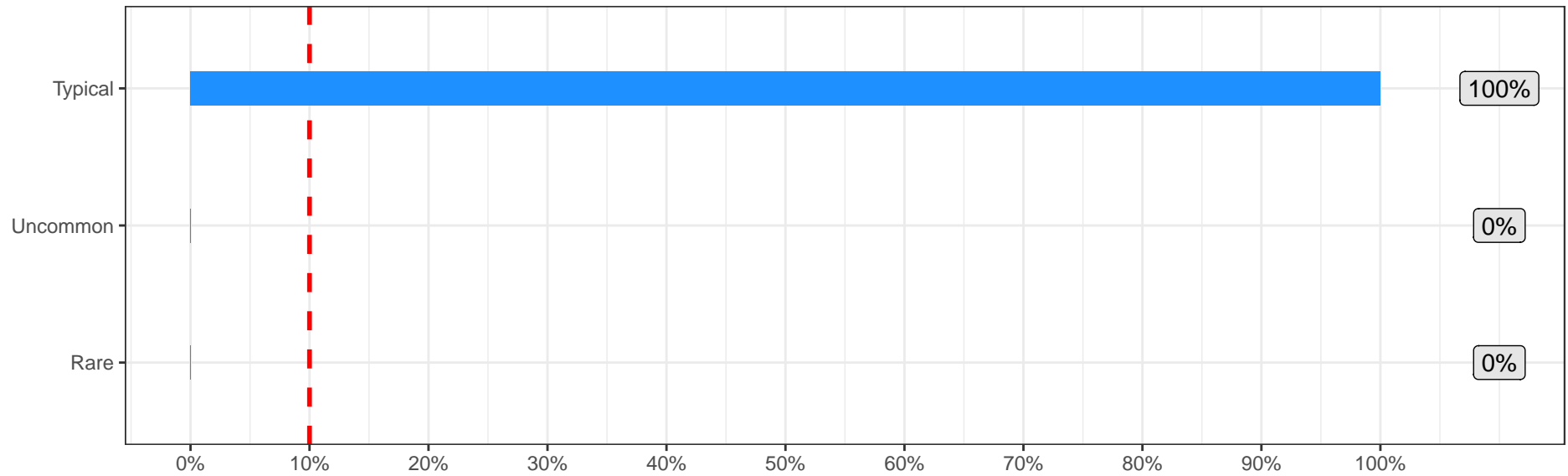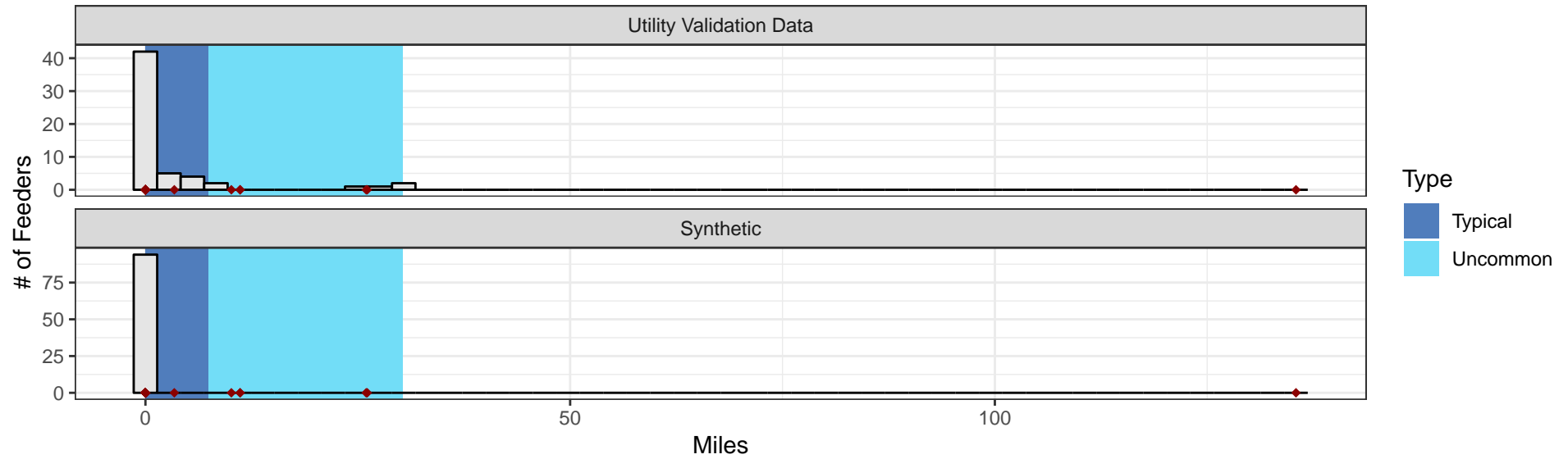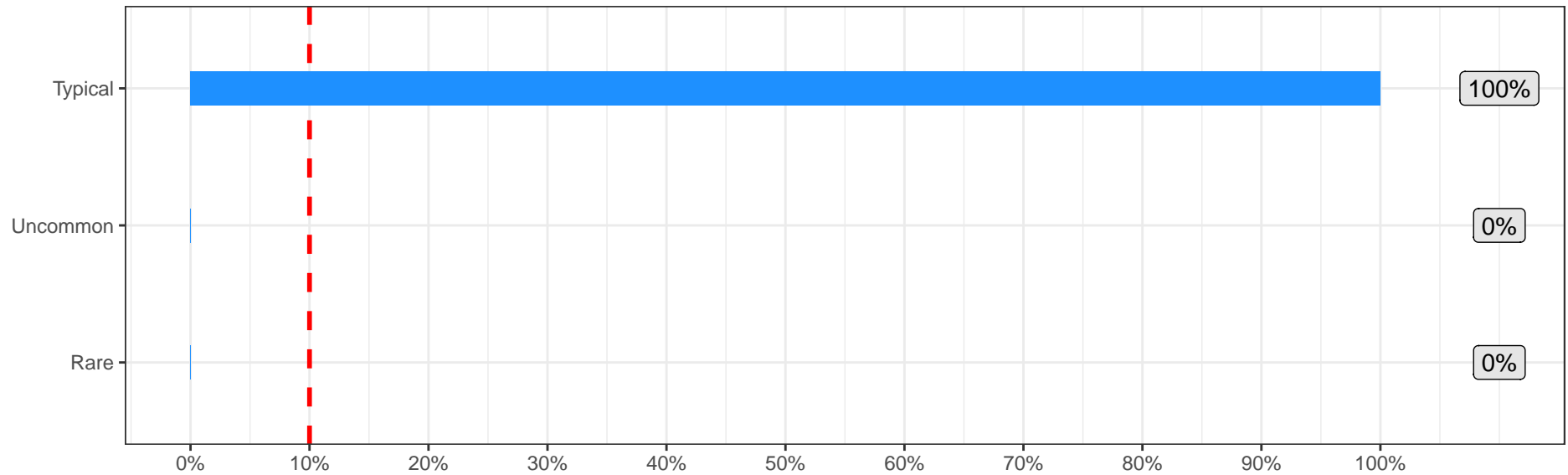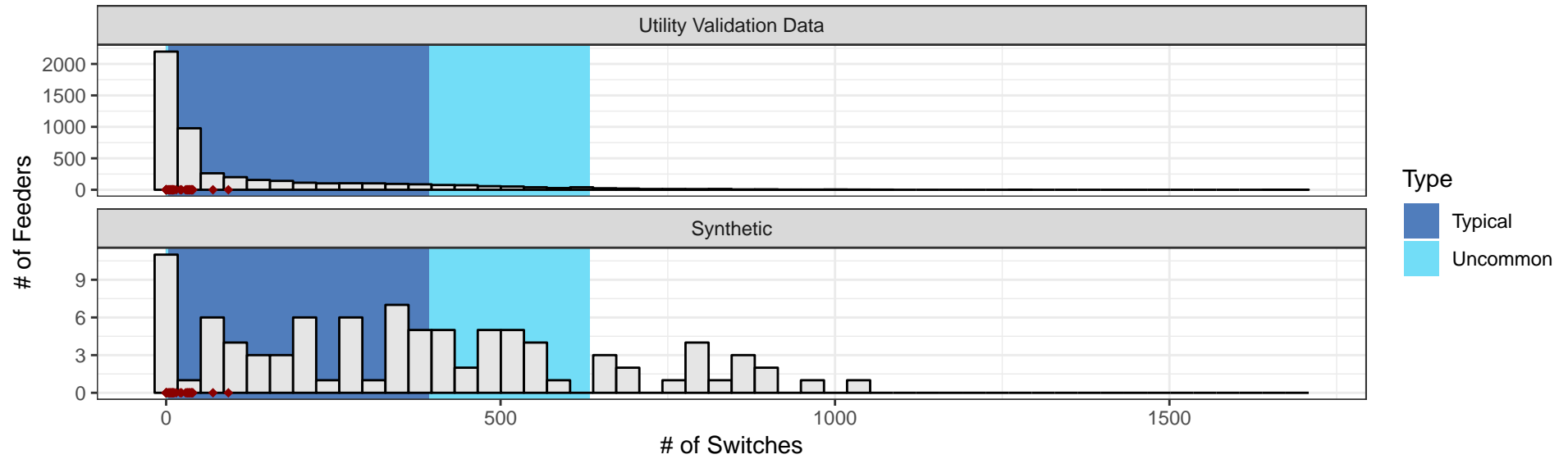# of validation feeders = 57 ; Red points indicate open source feeder locations (if available)

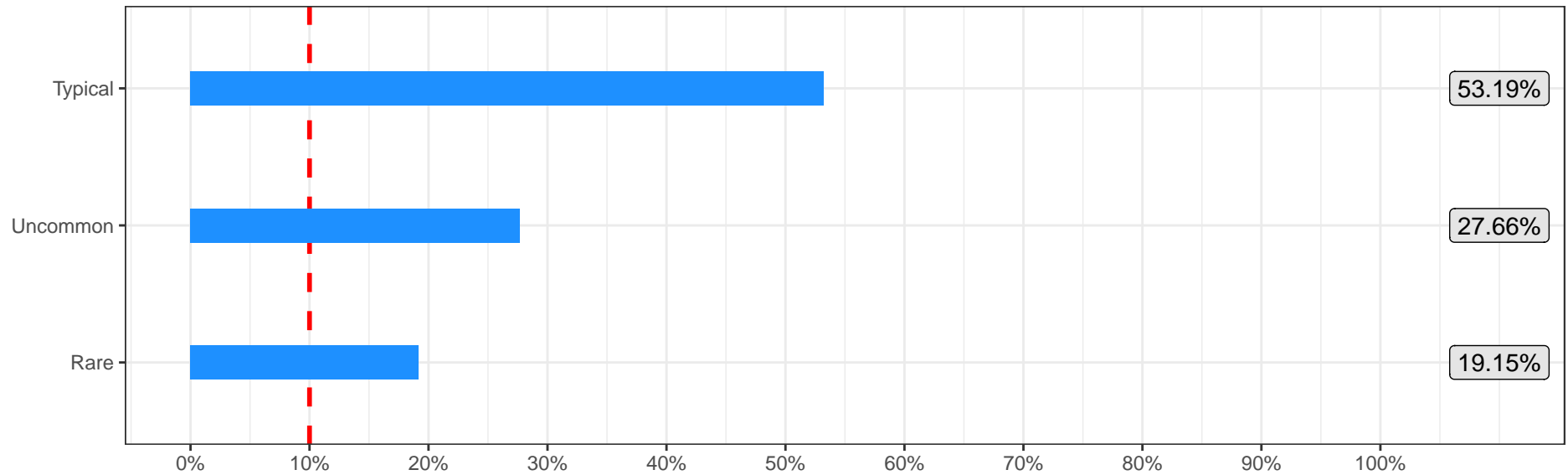# Number of Switches

# of validation feeders = 5020 ; Red points indicate open source feeder locations (if available)
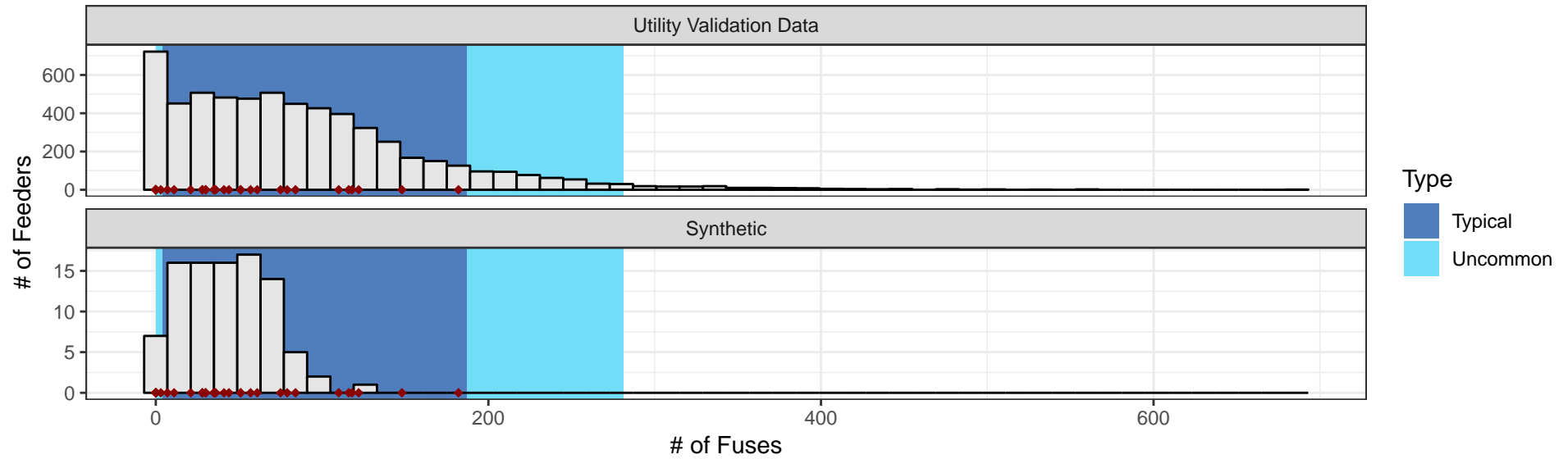
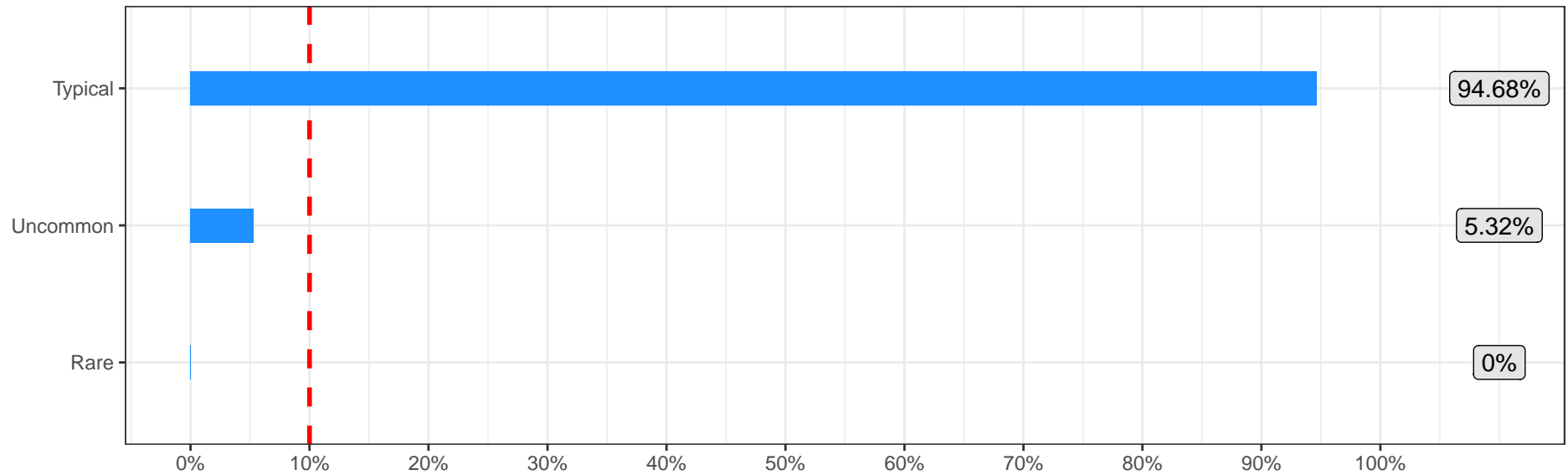

% of Feeders by Validation Class

Number of Fuses

of validation feeders = 6013 ; Red points indicate open source feeder locations (if available)

Utility Validation Data

Synthetic

# of Fuses

# of Feeders

Type
- Typical
- Uncommon

% of Feeders by Validation Class

Typical	94.68%
Uncommon	5.32%
Rare	0%

Number of Reclosers

of validation feeders = 6013 ; Red points indicate open source feeder locations (if available)

% of Feeders by Validation Class

Number of Sectionalizers

of validation feeders = 5020 ; Red points indicate open source feeder locations (if available)
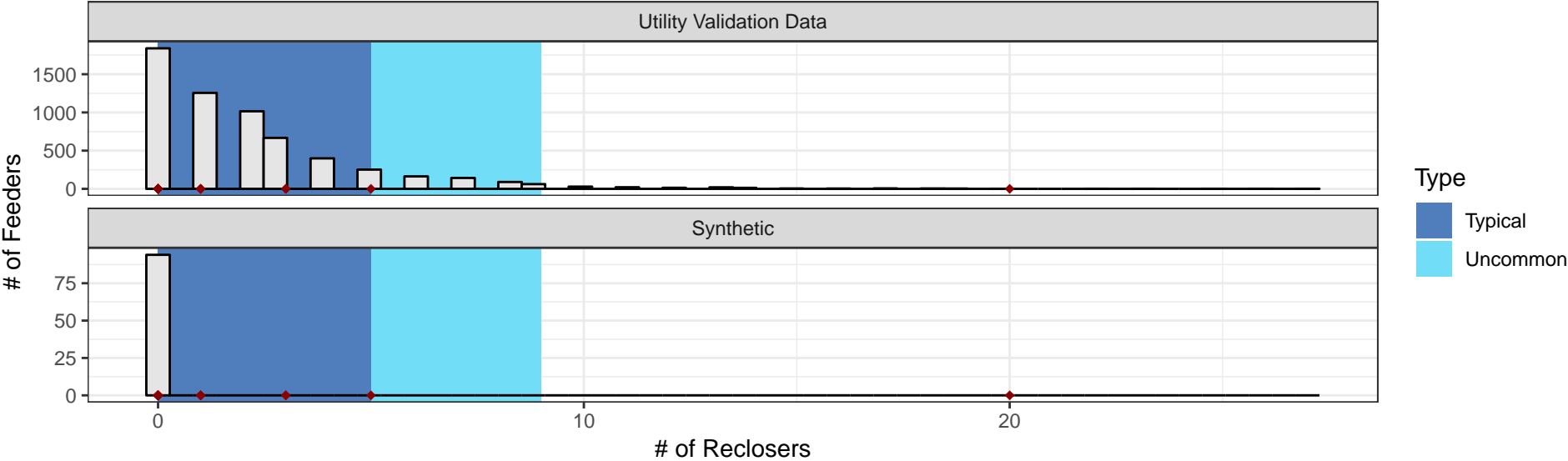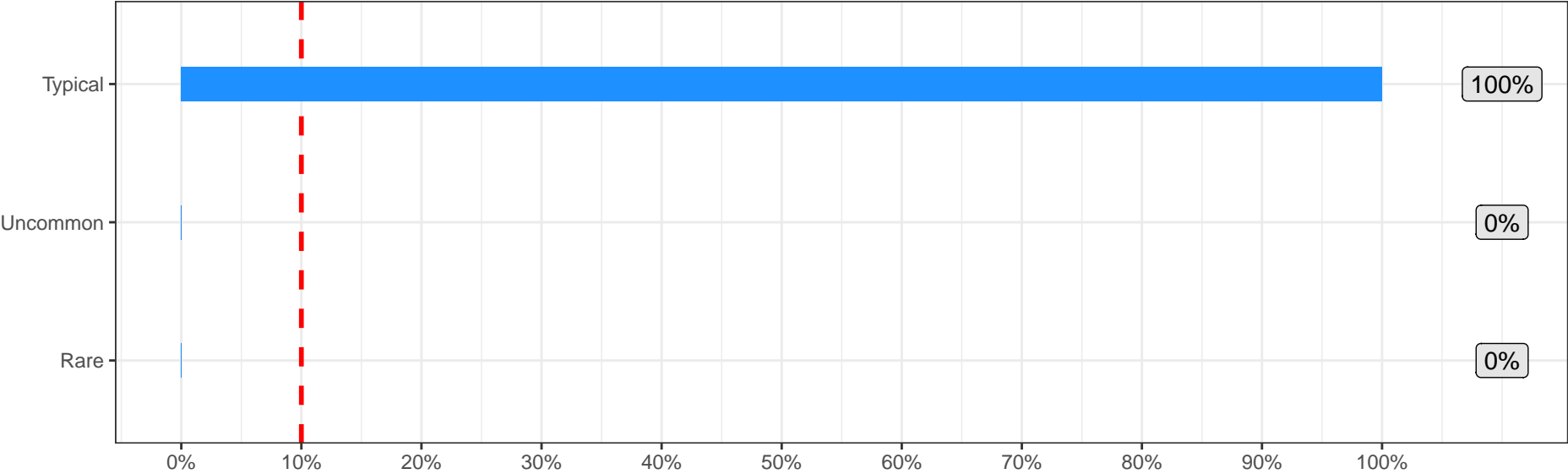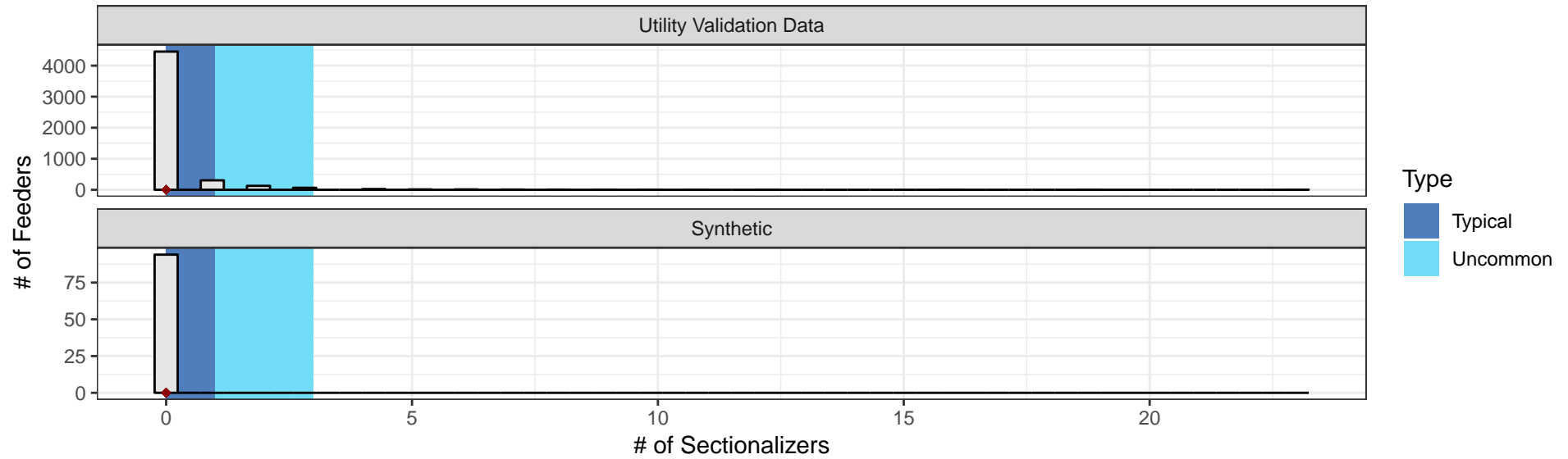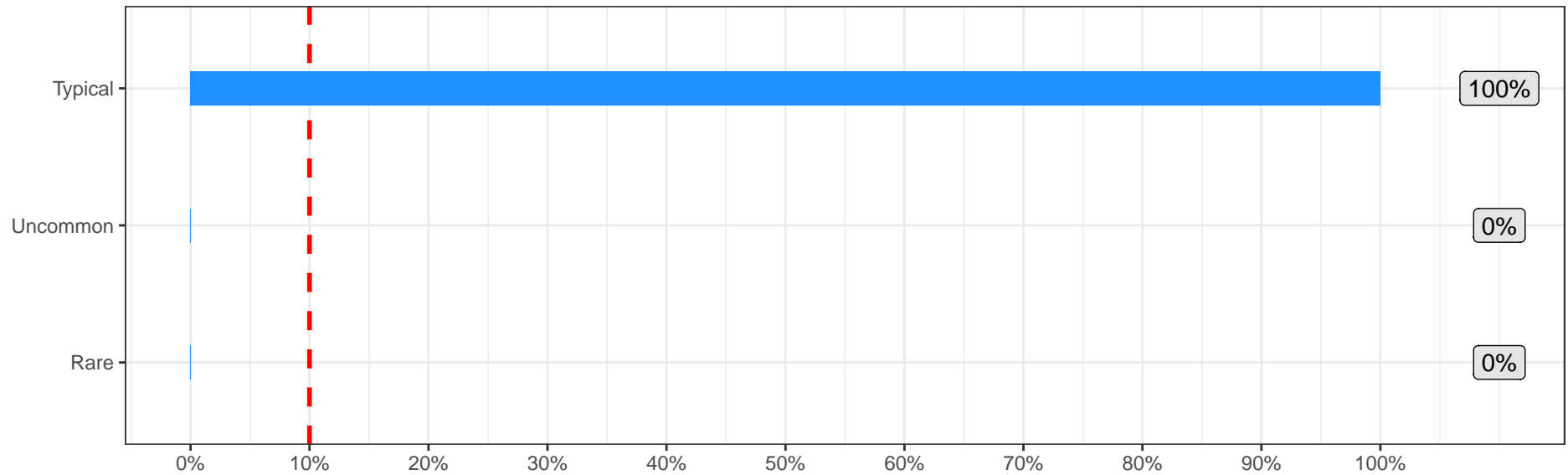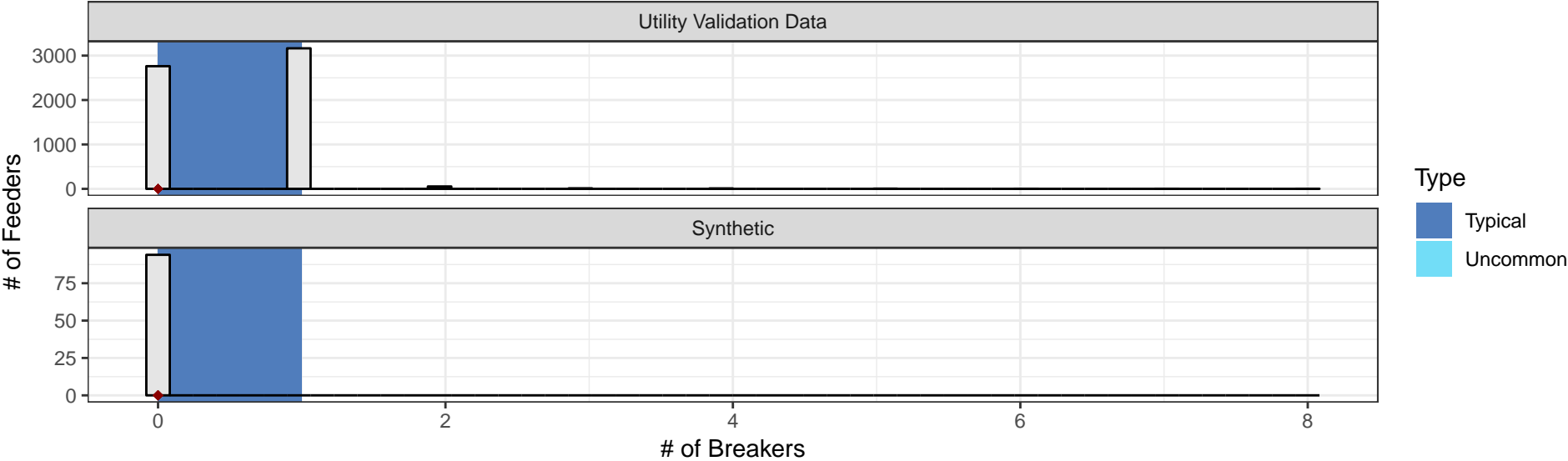
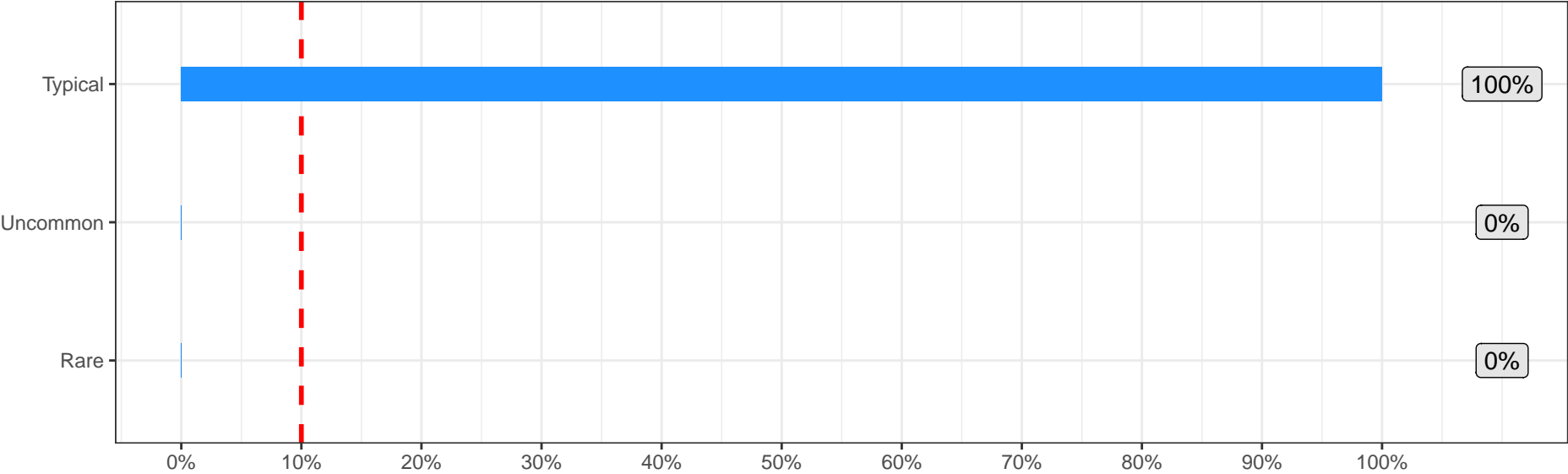

% of Feeders by Validation Class

Number of Breakers

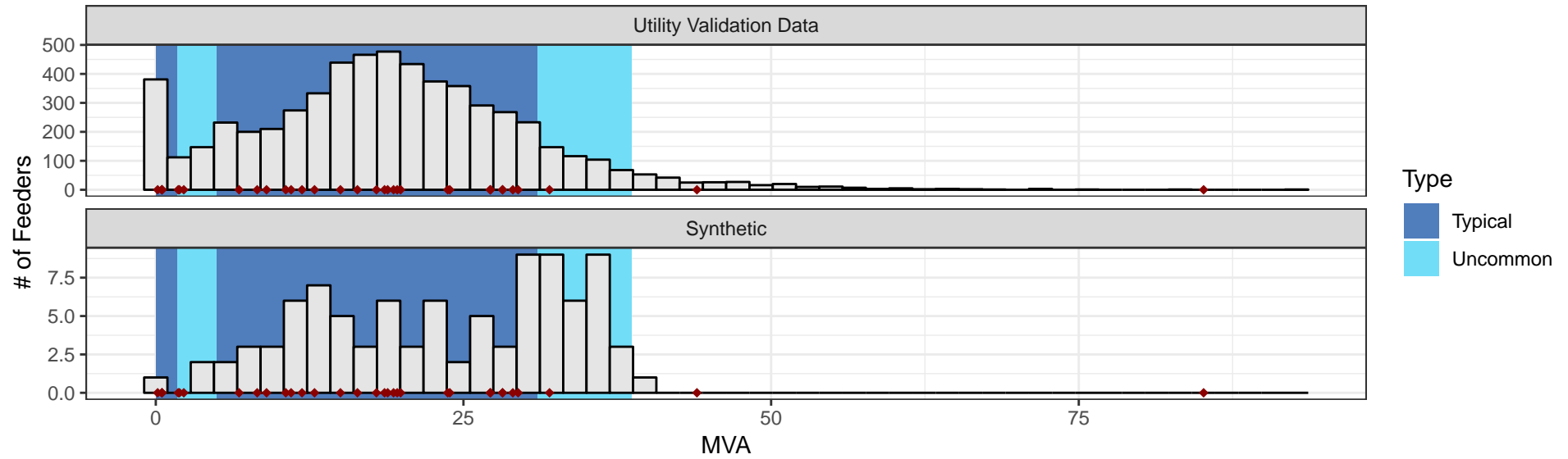# of validation feeders = 6013 ; Red points indicate open source feeder locations (if available)

Utility Validation Data

Synthetic

# of Feeders

# of Breakers

Type
- Typical
- Uncommon

% of Feeders by Validation Class

Typical	100%
Uncommon	0%
Rare	0%

Distribution Transformer Total Capacity

of validation feeders = 5923 ; Red points indicate open source feeder locations (if available)

% of Feeders by Validation Class