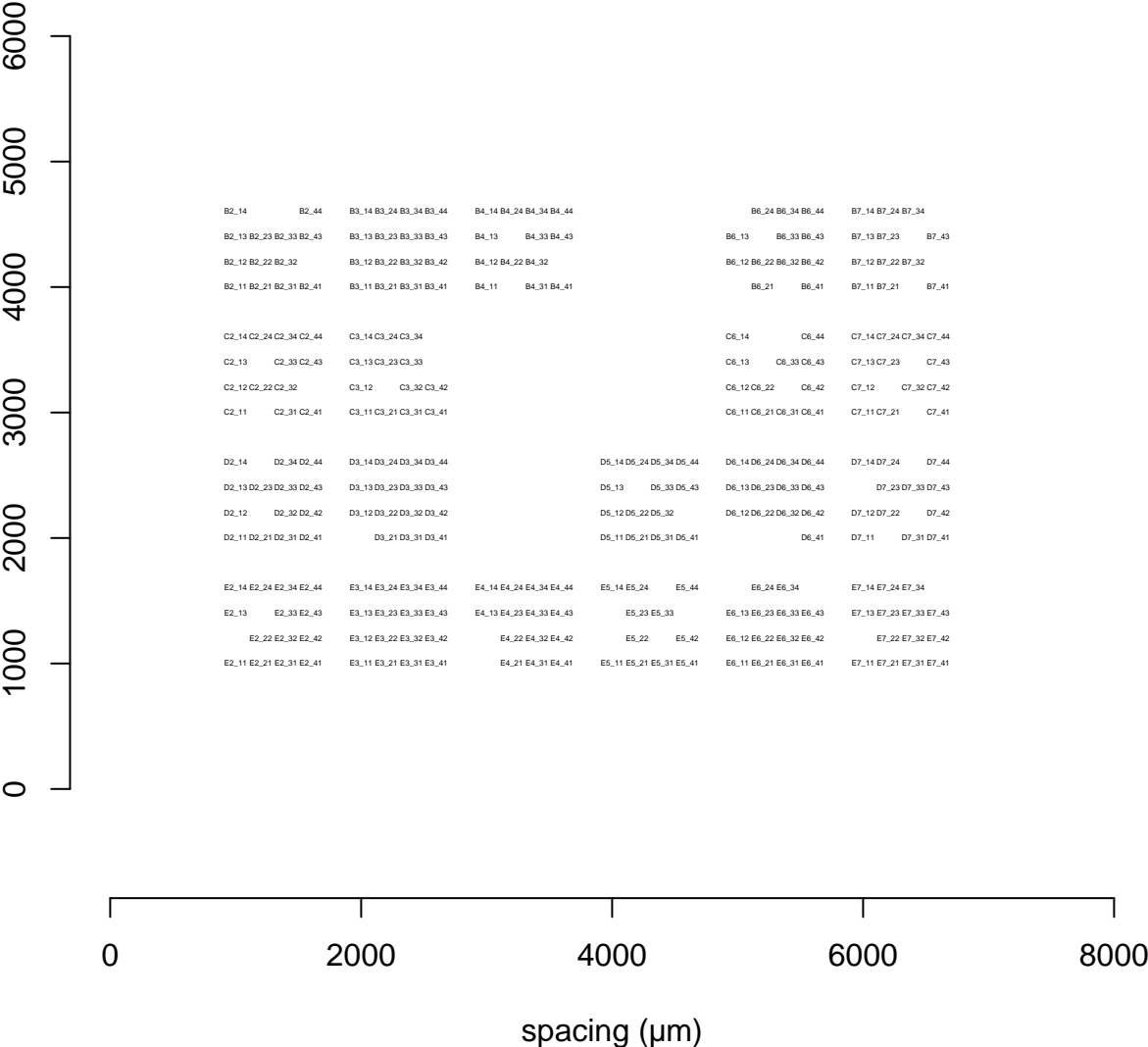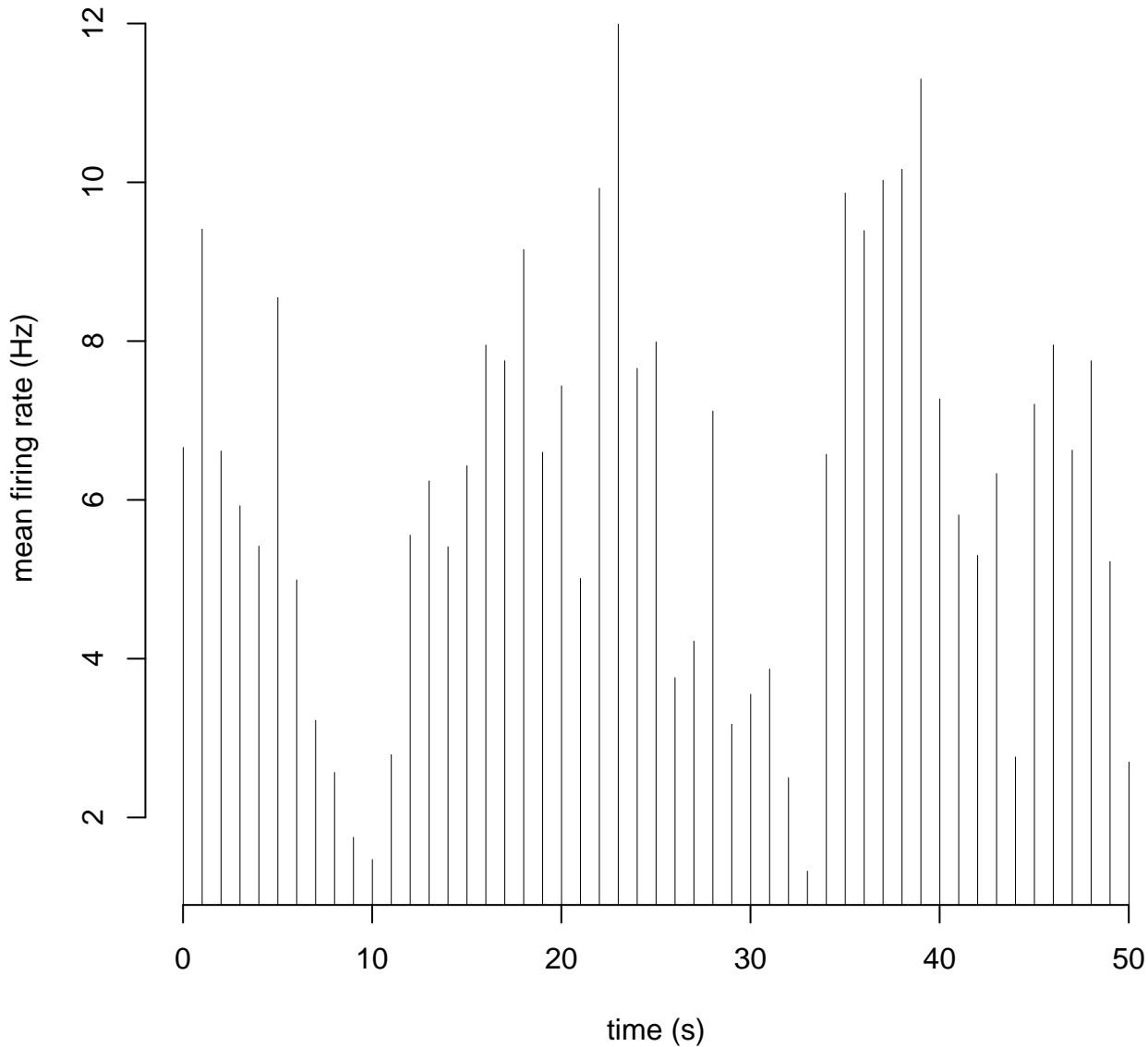**Electrode Layout**
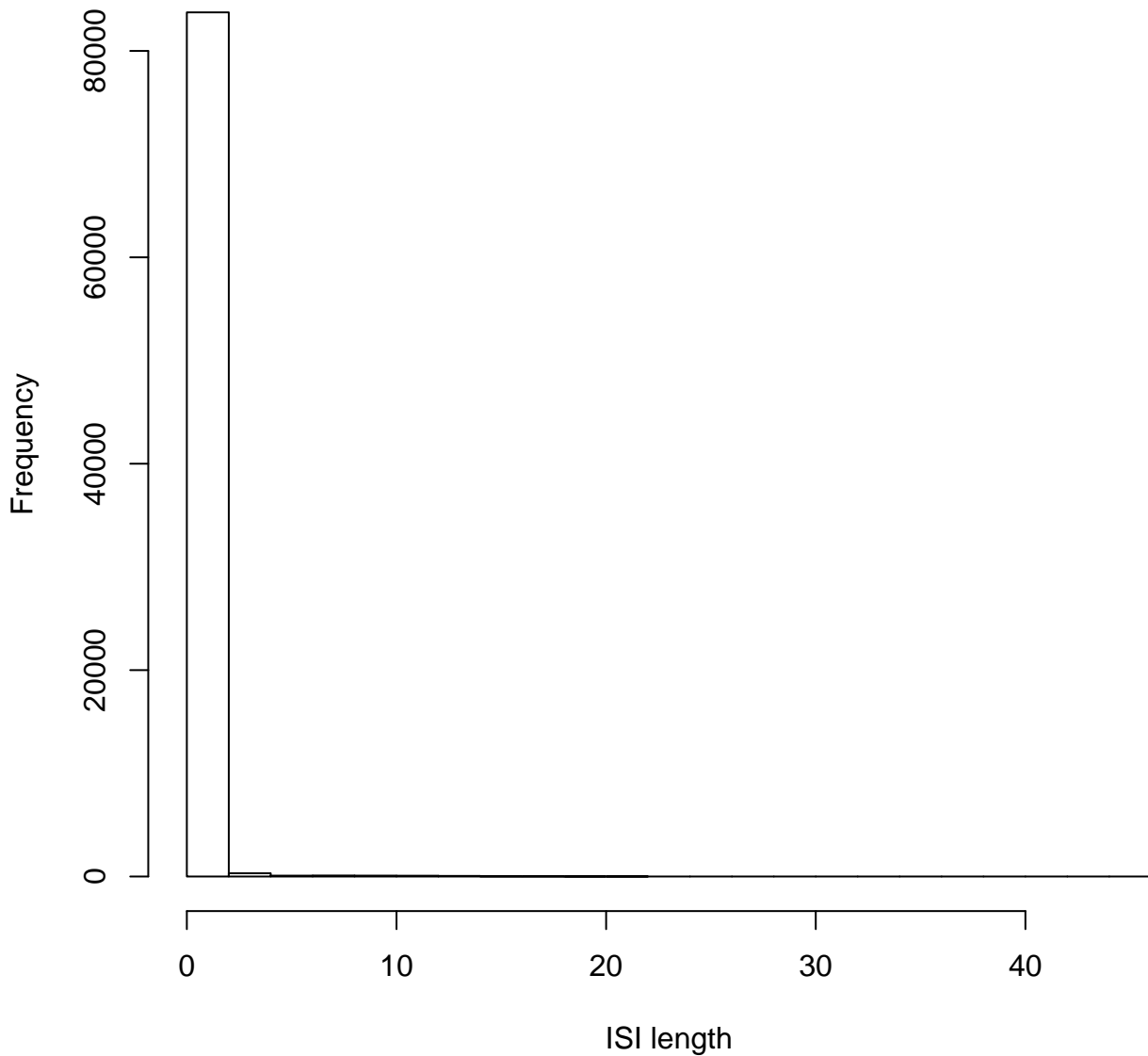**file= exampleRecording_1012016_plate1_DIV3**
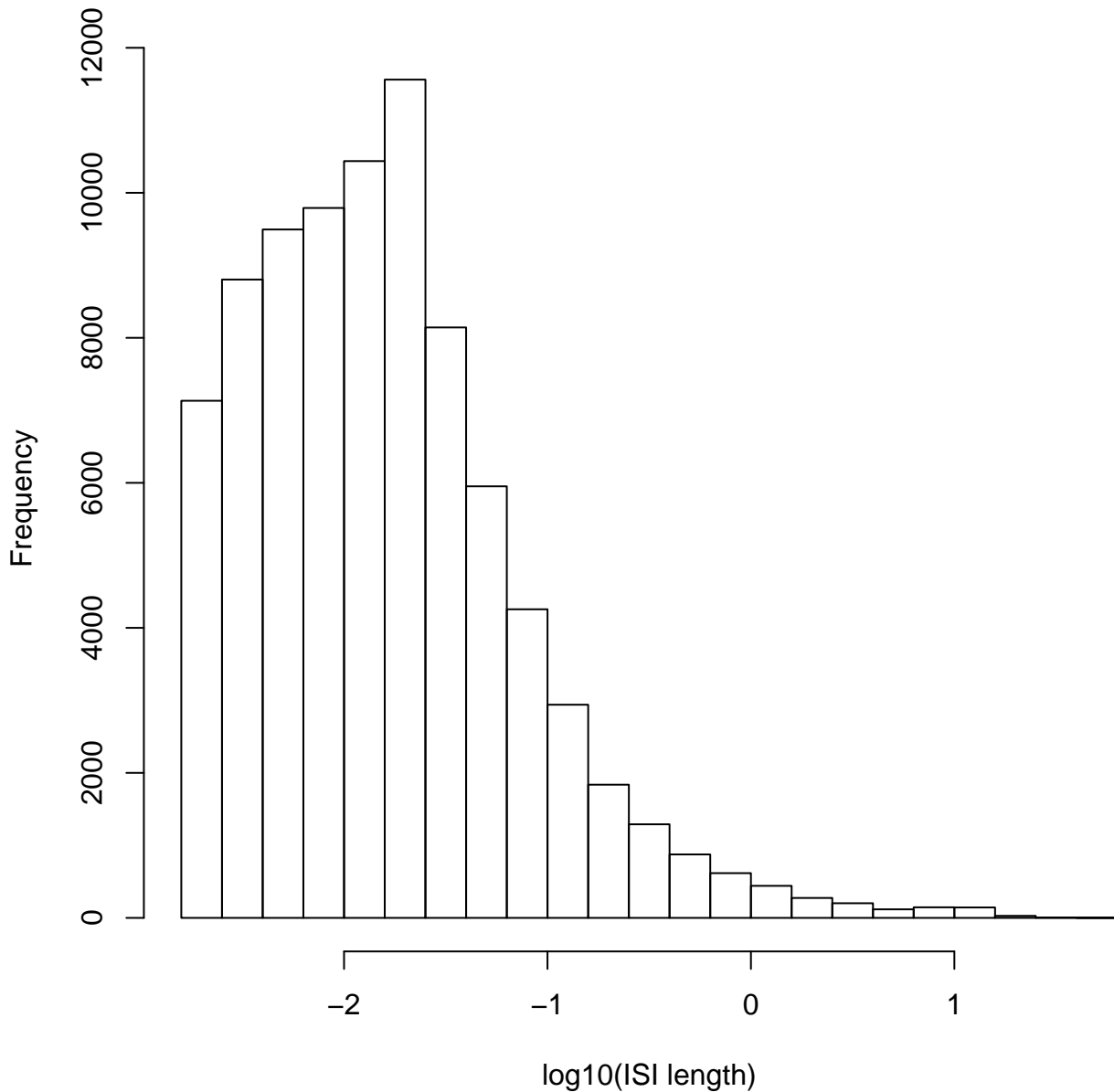
Mean Firing Rate by Plate (Hz)

Histogram of ISIs by Plate

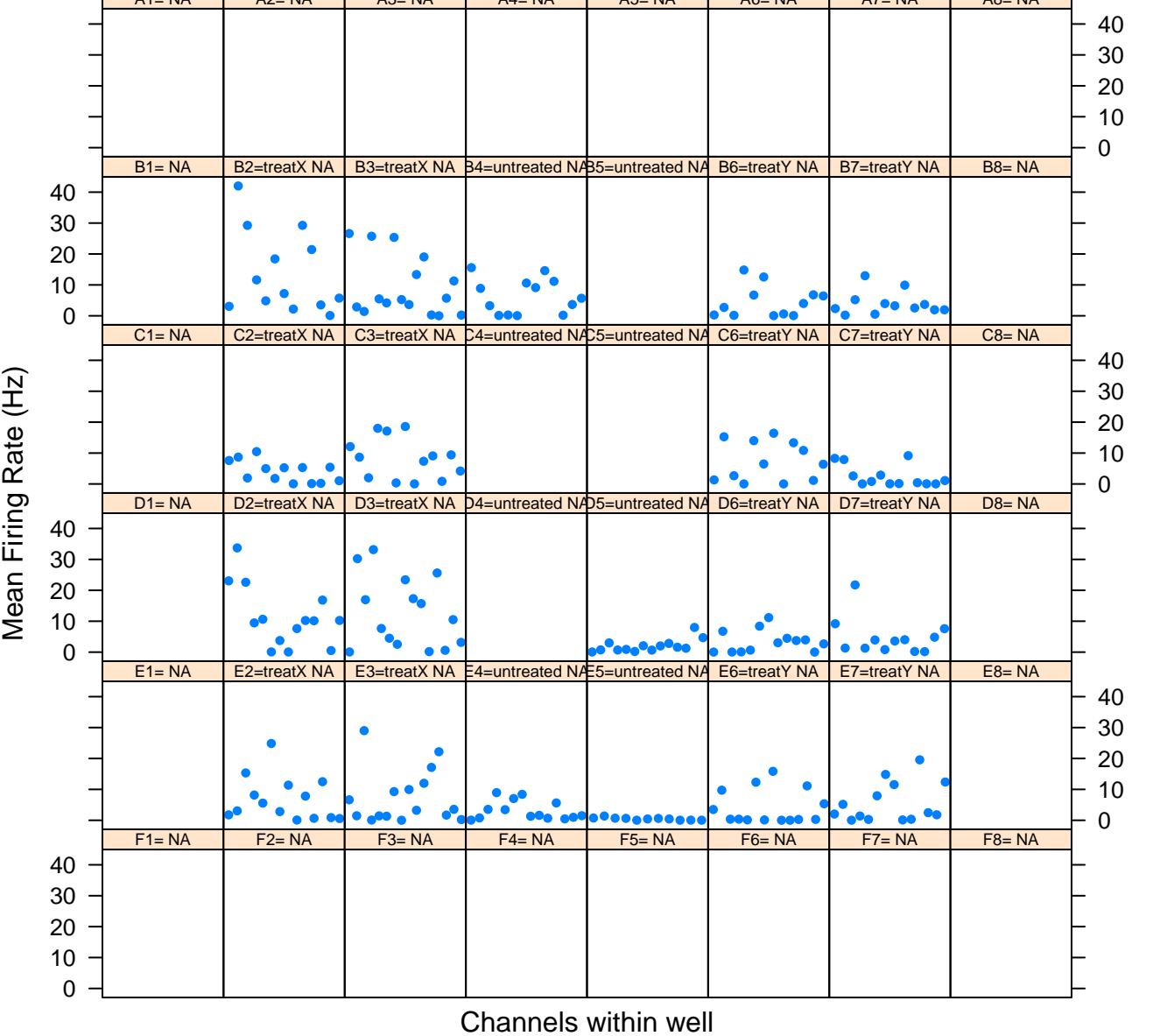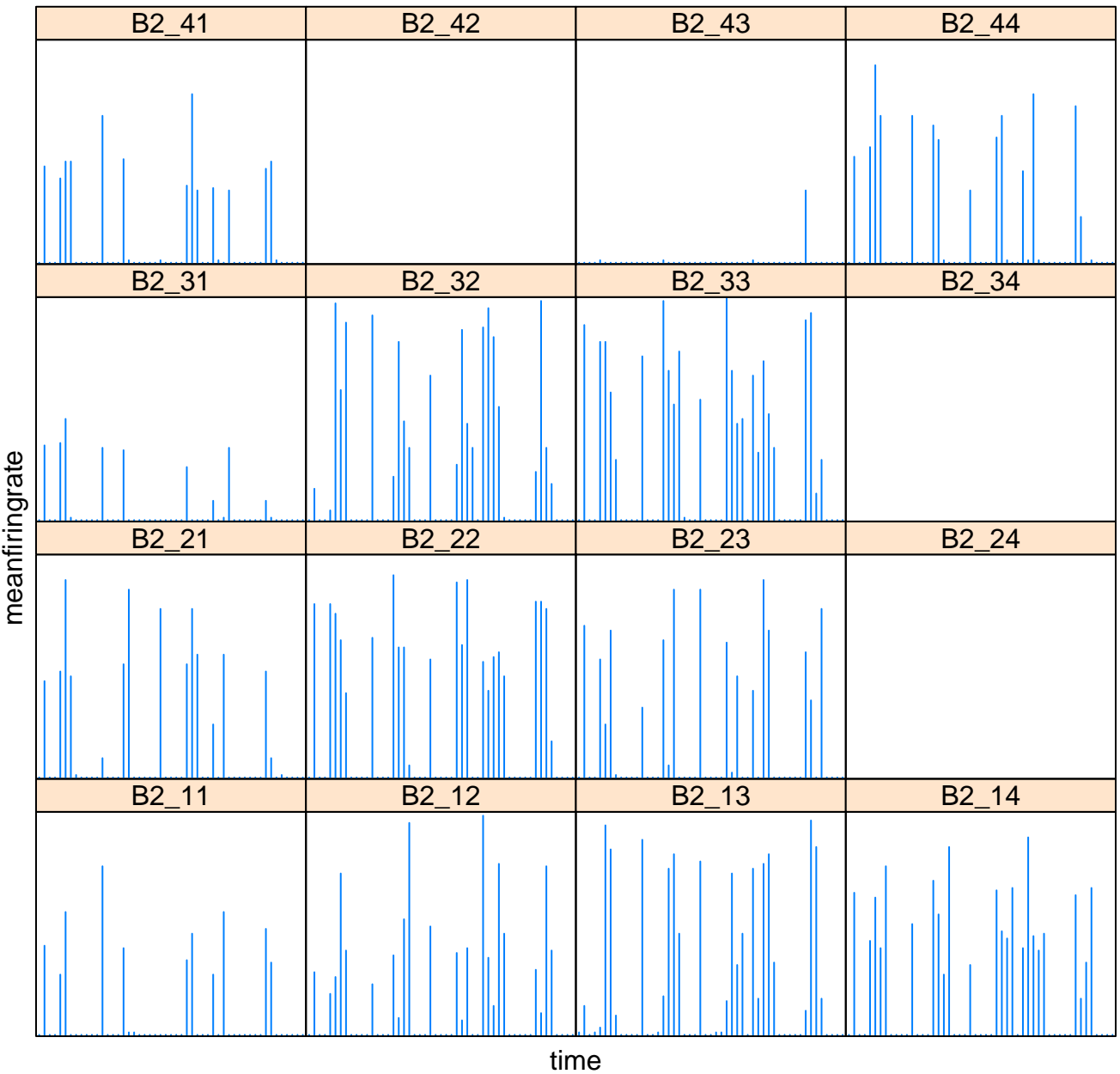**Histogram of log(ISIs) by Plate**

Frequency

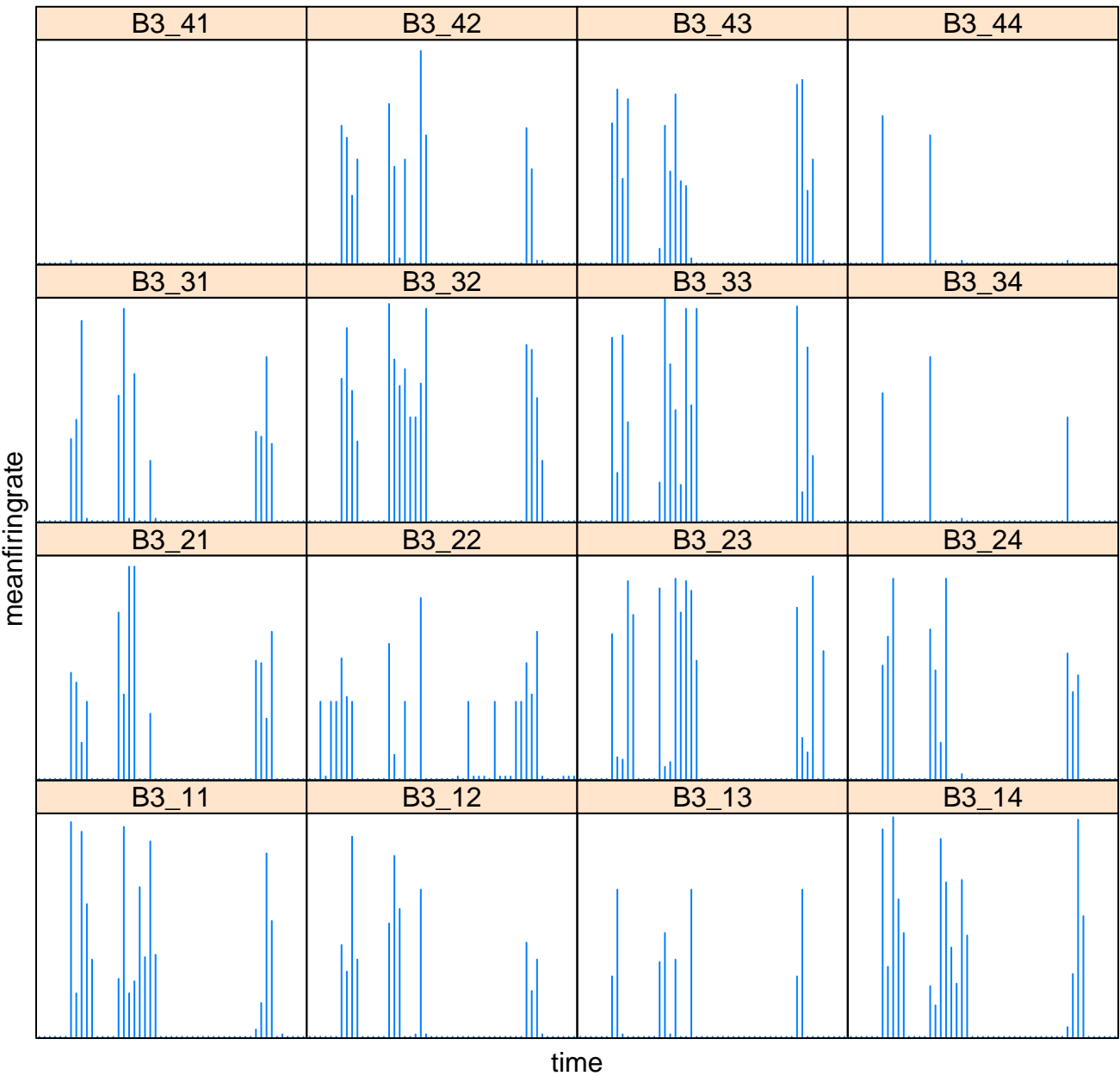log10(ISI length)

Mean Firing Rate (Hz) by Channels within Wells
file= exampleRecording_1012016_plate1_DIV3
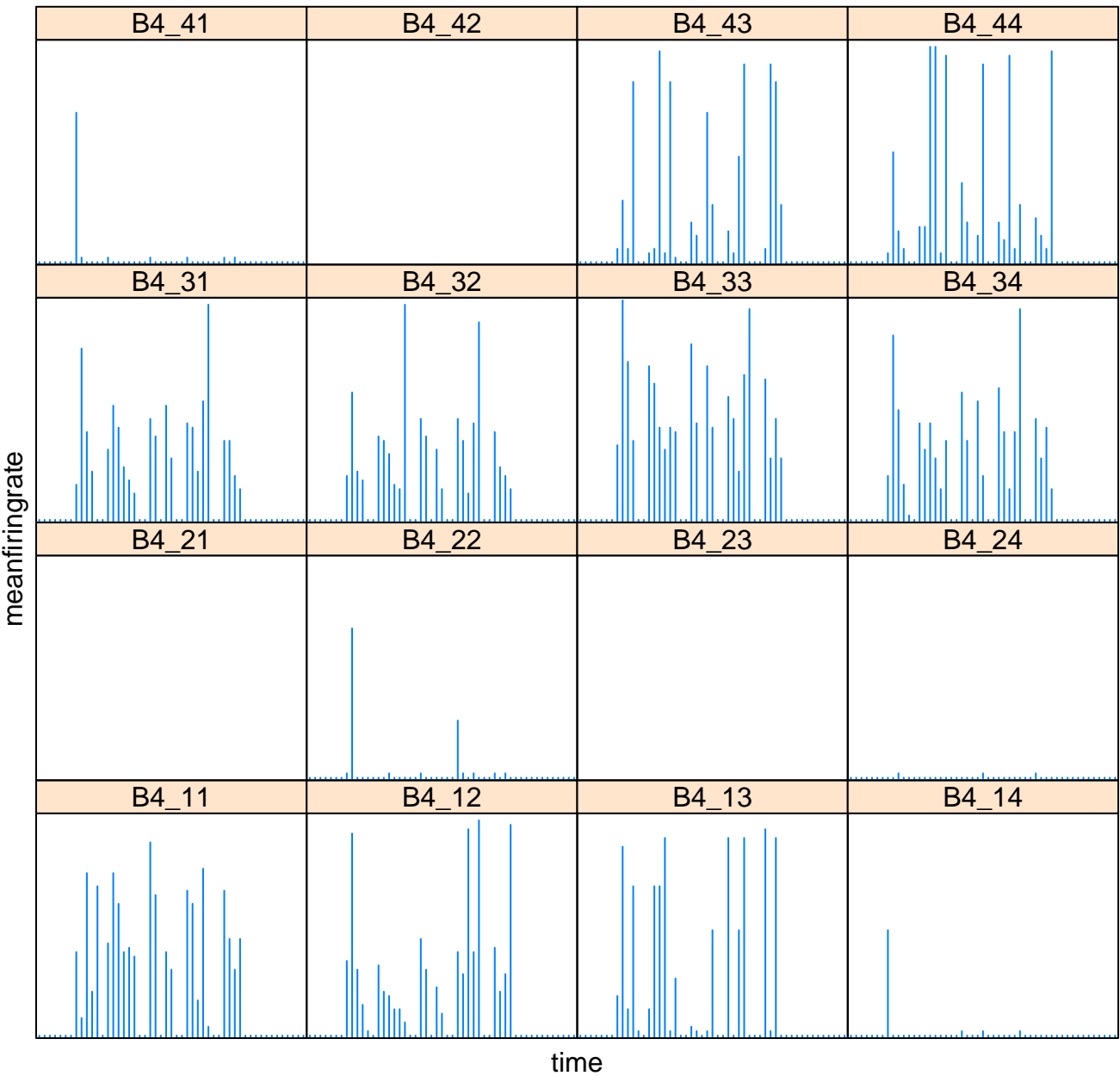
Mean Firing Rate per Second for Well B2. Maximum firing rate:98 Hz

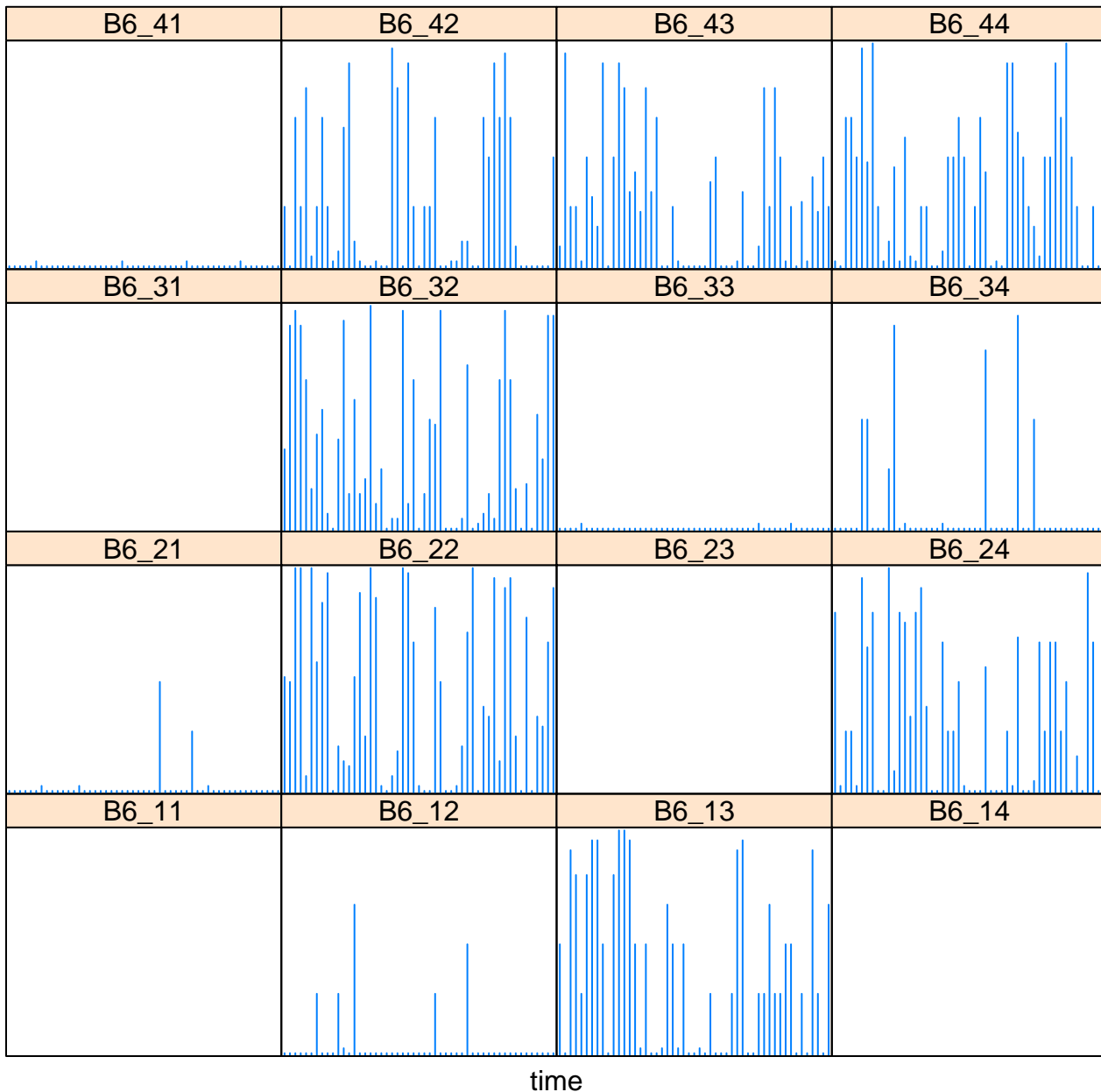Mean Firing Rate per Second for Well B3. Maximum firing rate:95 Hz

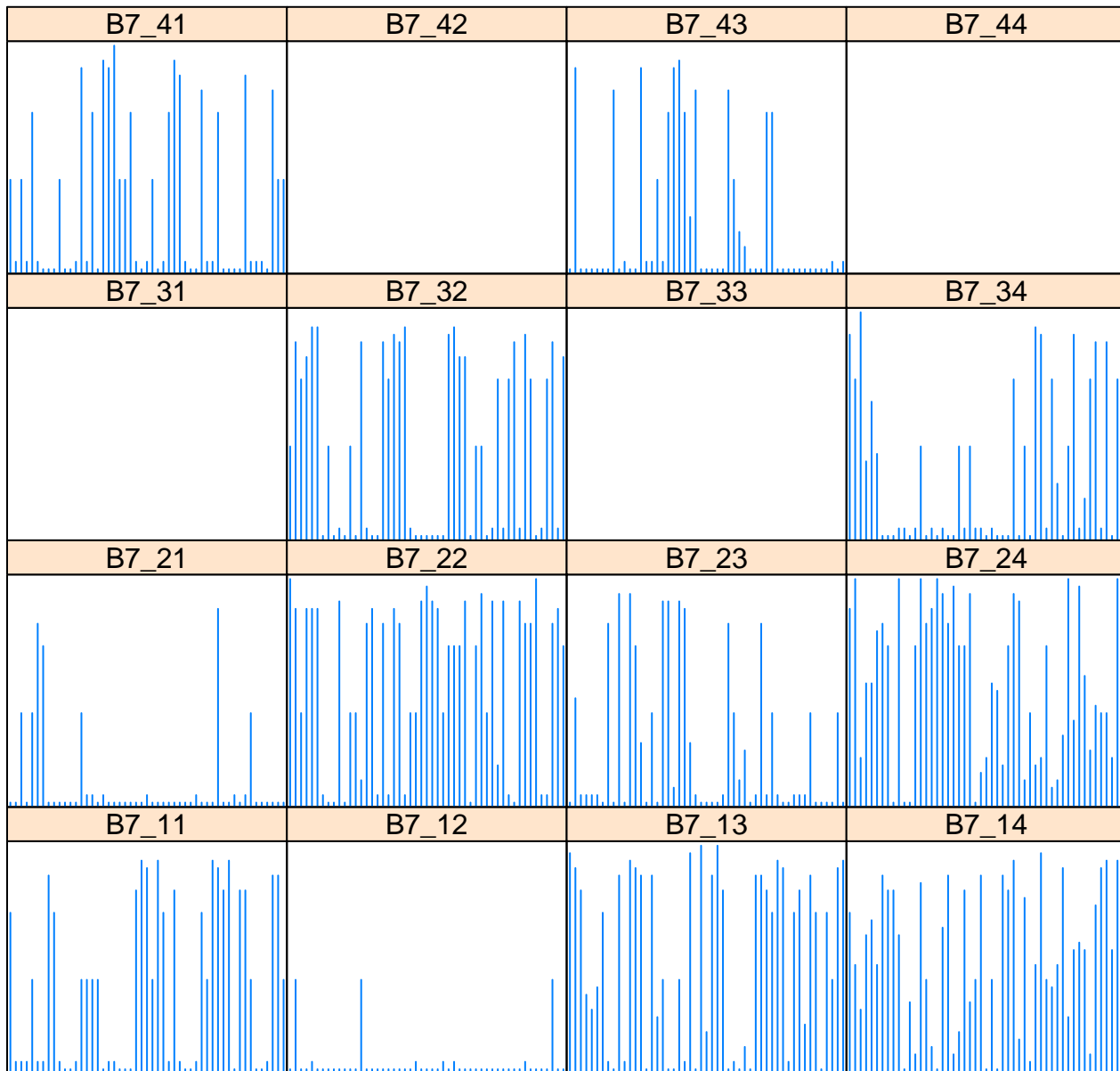Mean Firing Rate per Second for Well B4. Maximum firing rate:92 Hz

Mean Firing Rate per Second for Well B6. Maximum firing rate:9 Hz

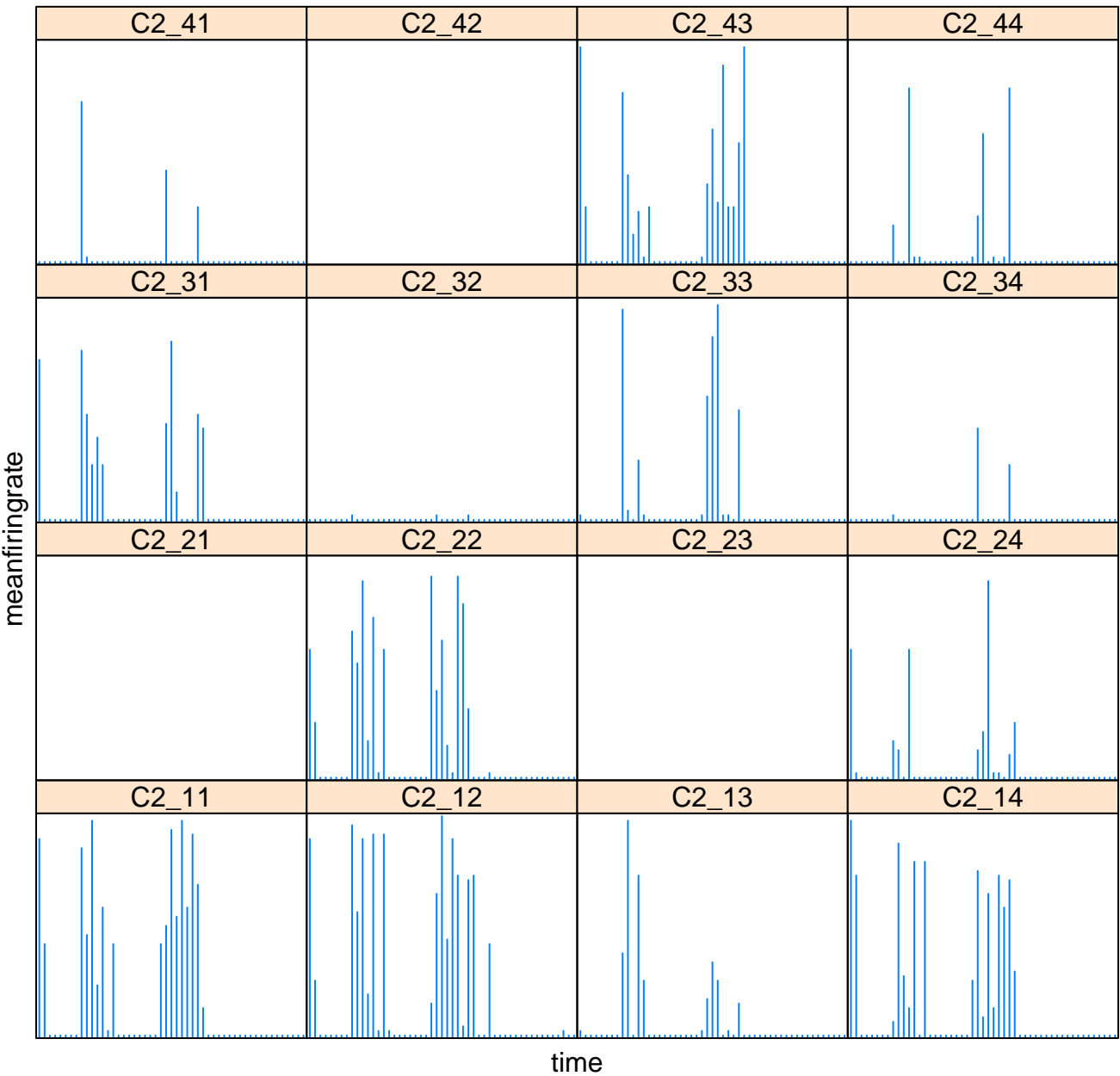# Mean Firing Rate per Second for Well B7. Maximum firing rate:9 Hz
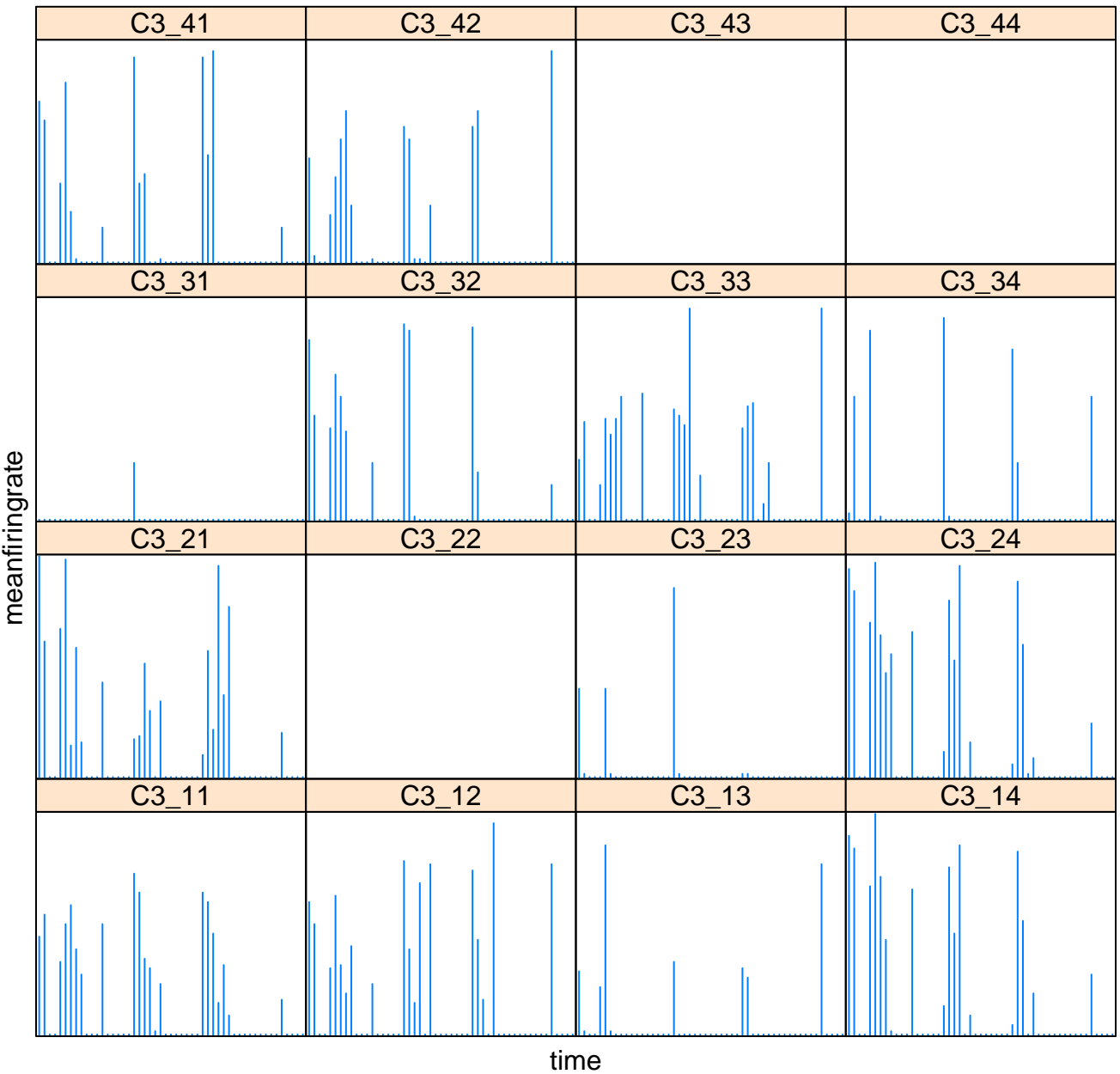
Mean Firing Rate per Second for Well C2. Maximum firing rate:93 Hz

Mean Firing Rate per Second for Well C3. Maximum firing rate:99 Hz

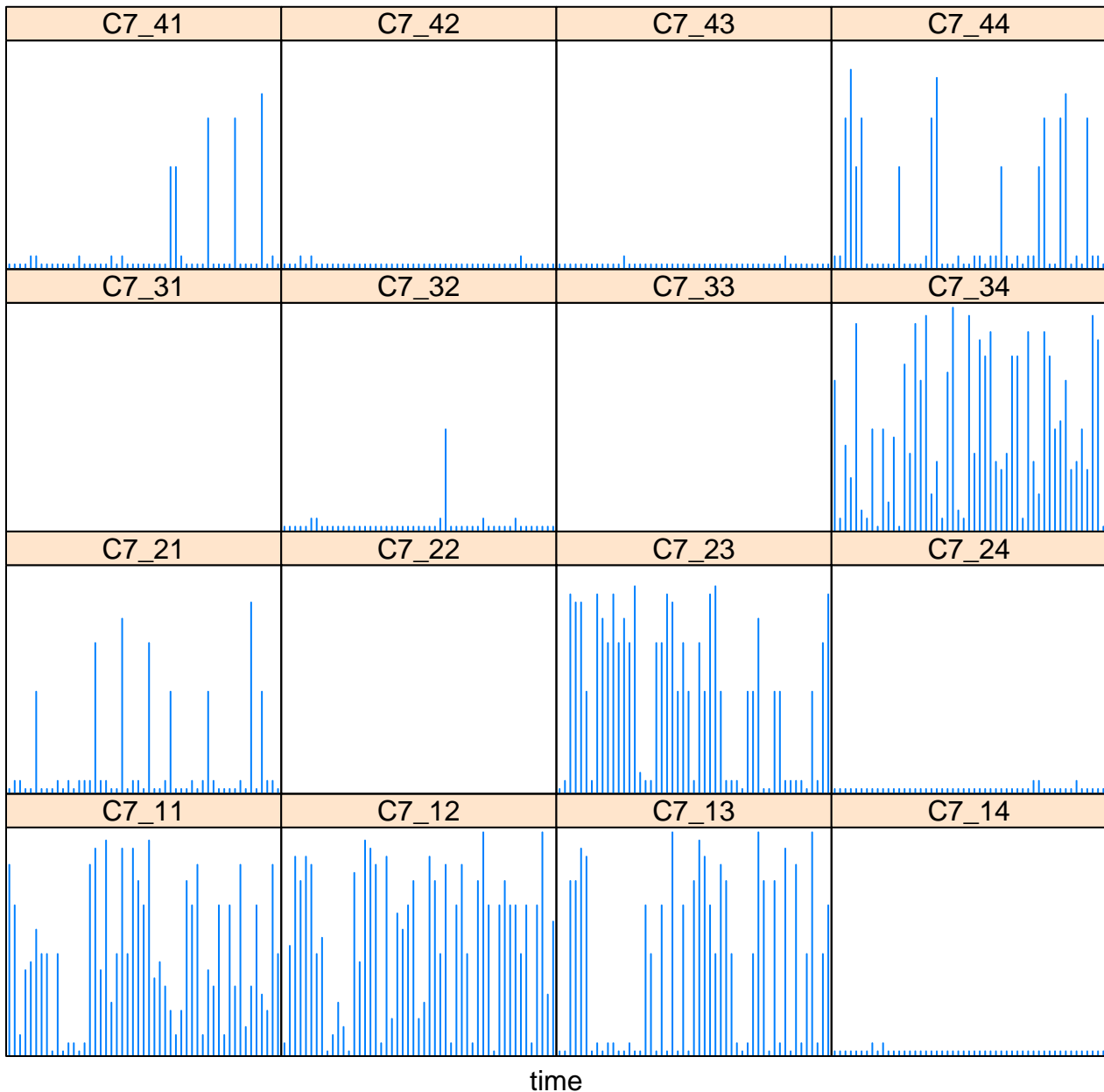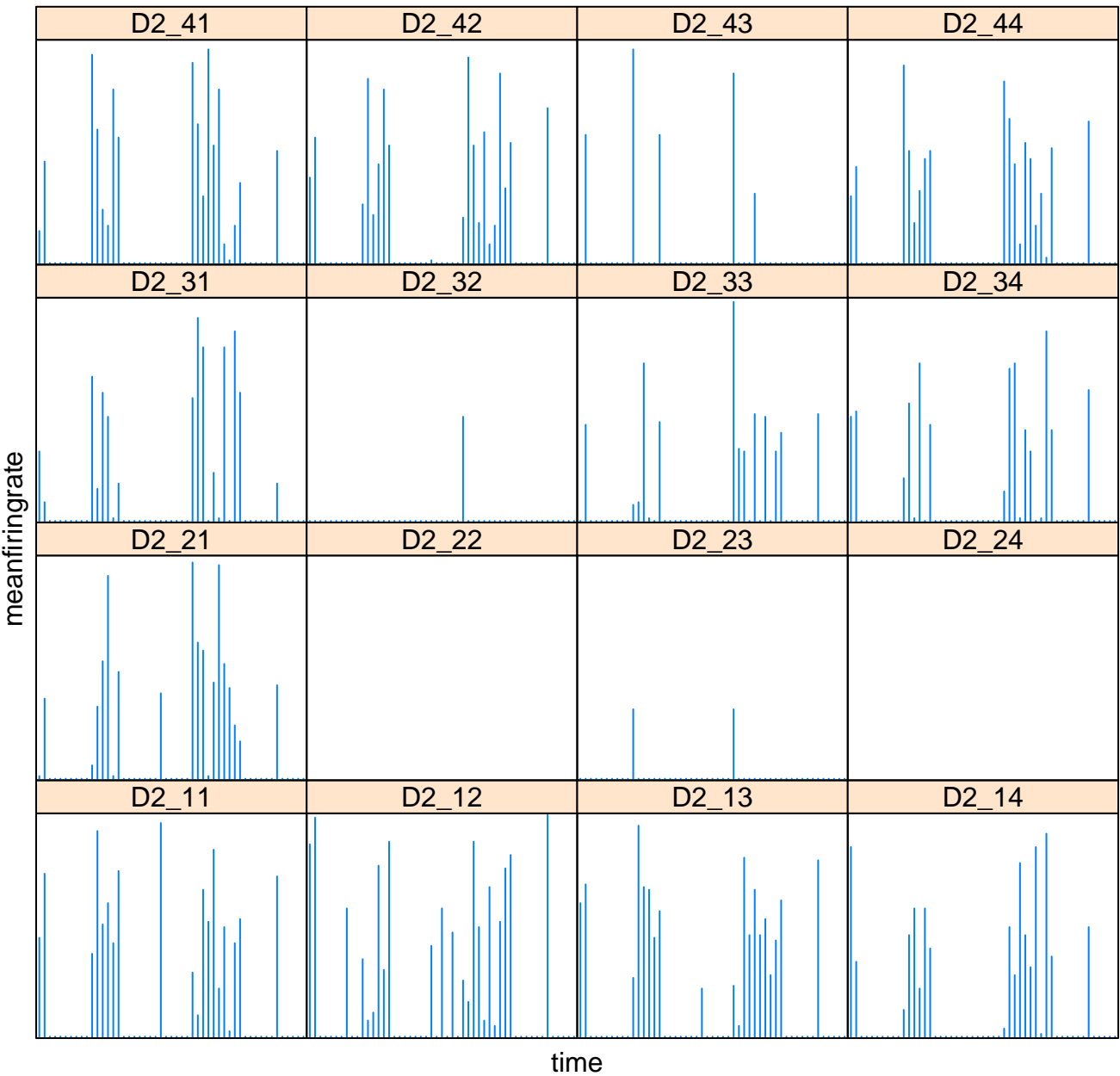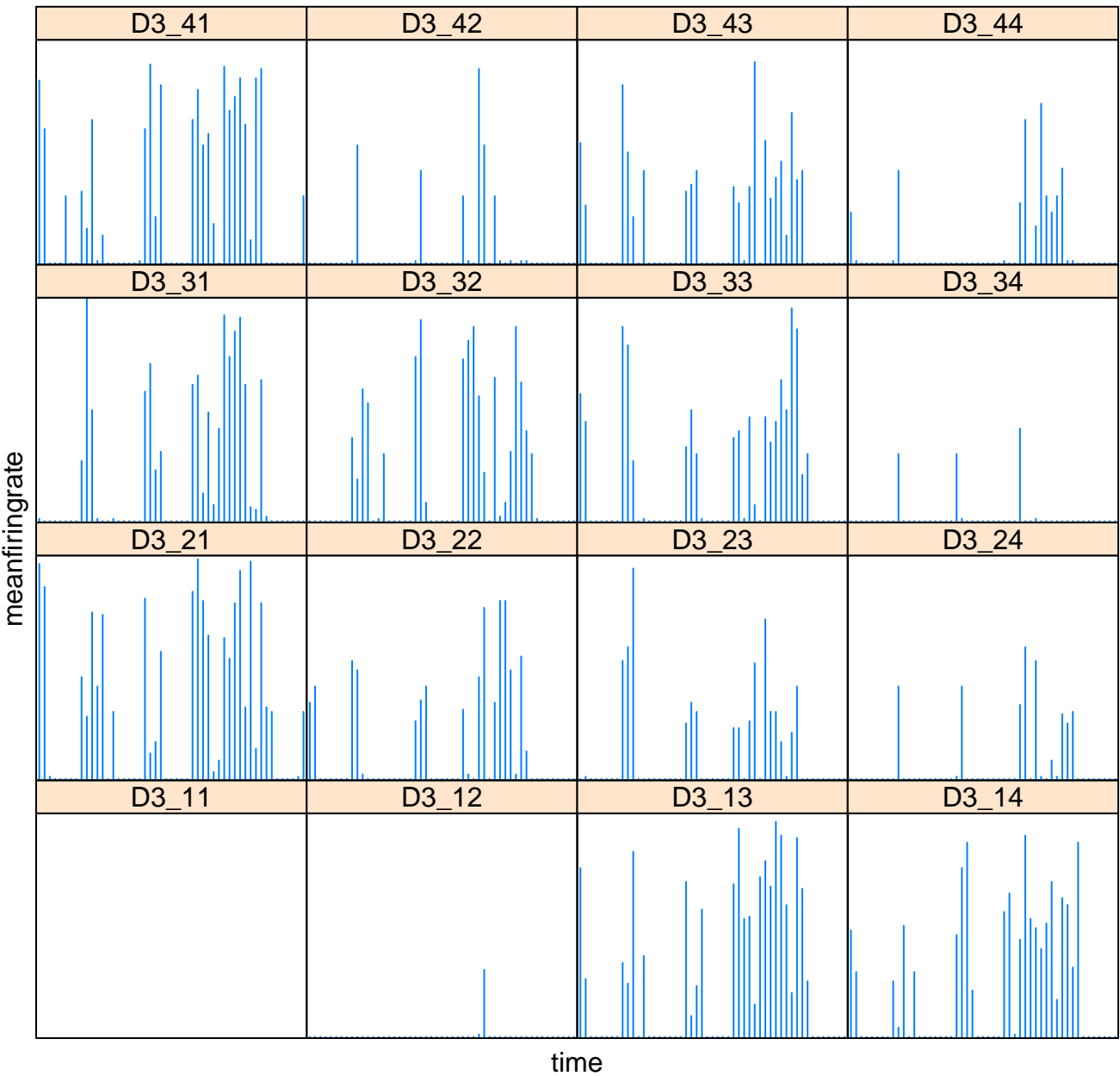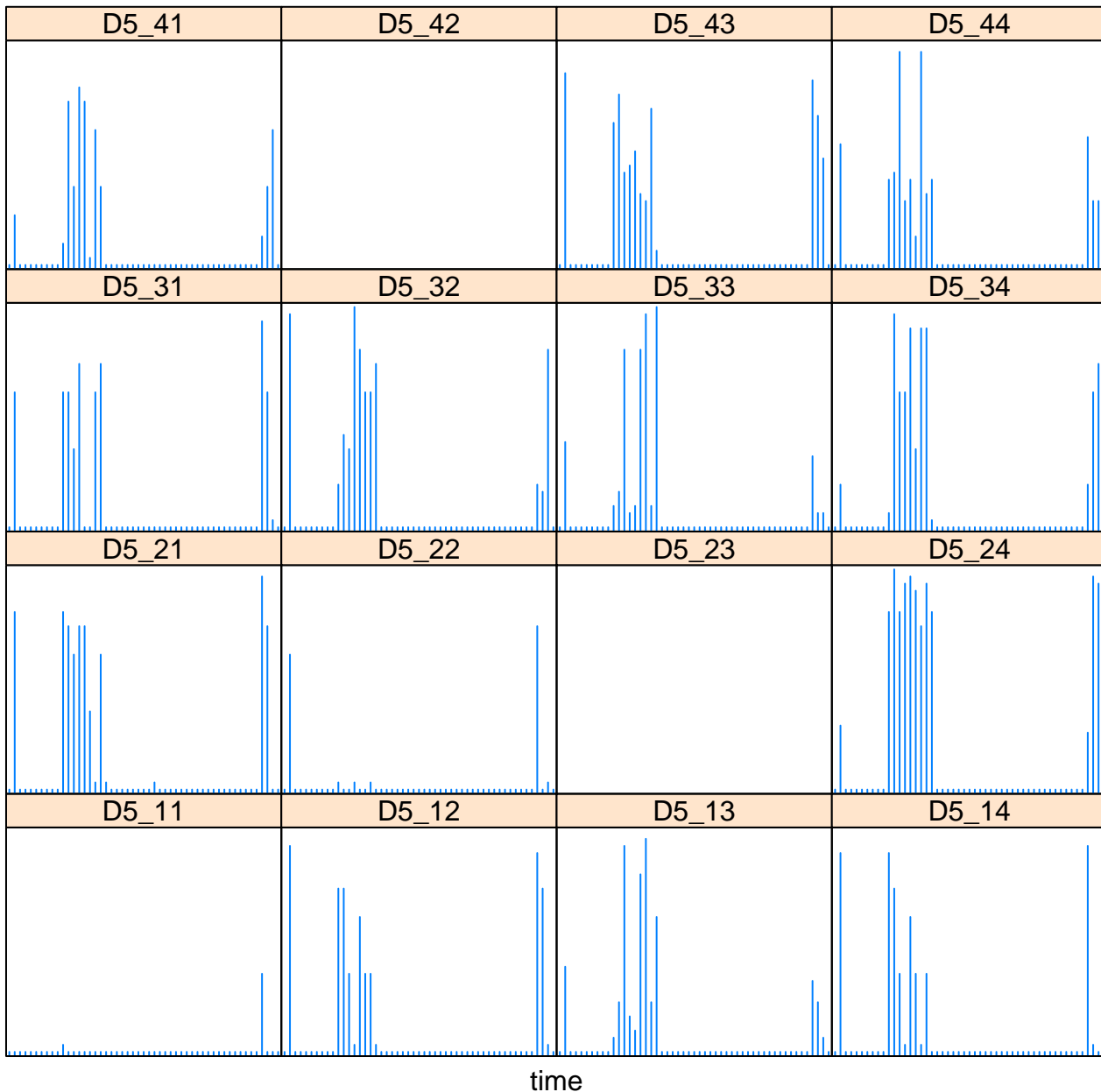**Mean Firing Rate per Second for Well C6. Maximum firing rate:9 Hz**

Mean Firing Rate per Second for Well C7. Maximum firing rate:9 Hz

Mean Firing Rate per Second for Well D2. Maximum firing rate:99 Hz

Mean Firing Rate per Second for Well D3. Maximum firing rate:99 Hz

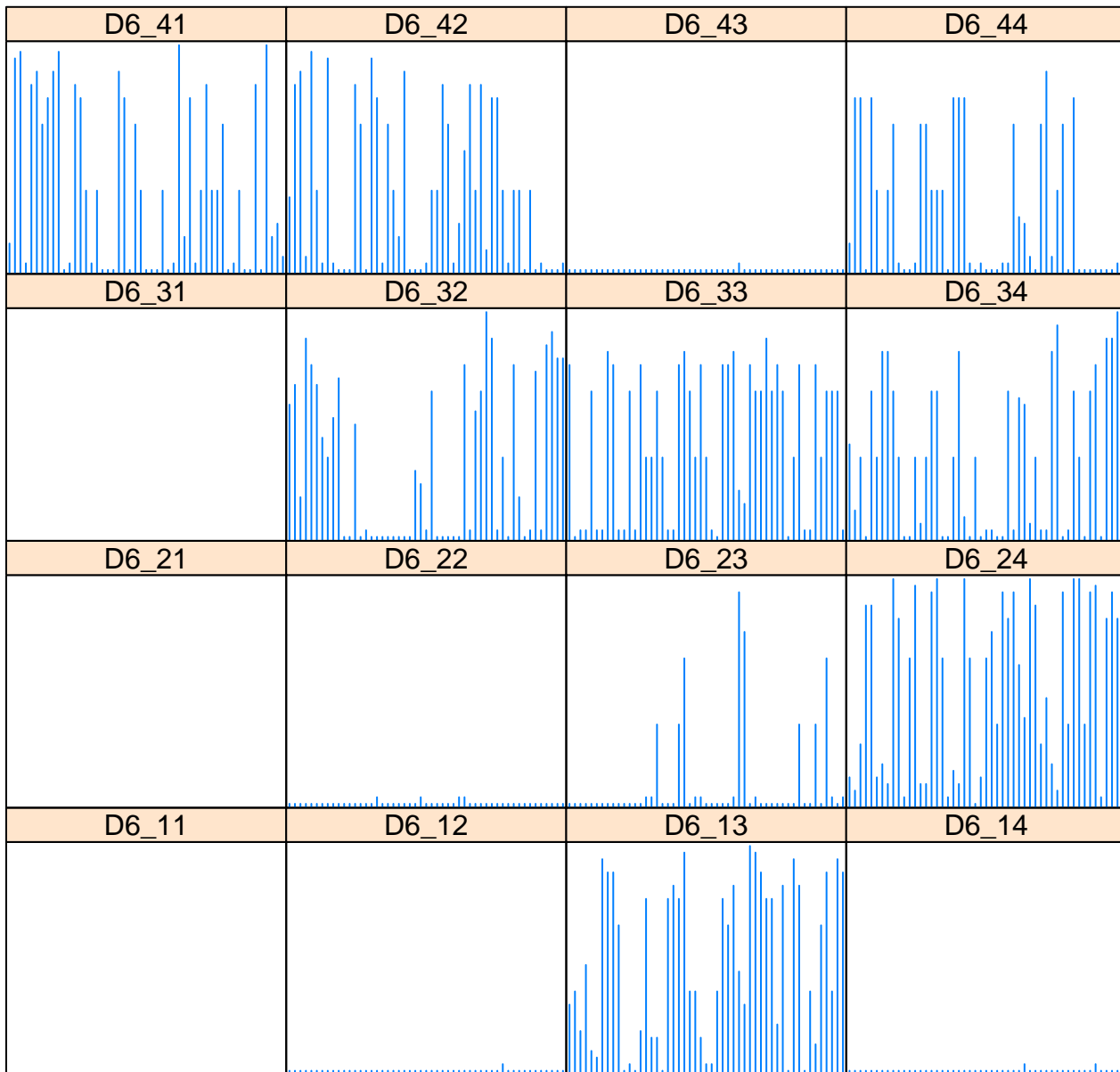**Mean Firing Rate per Second for Well D5. Maximum firing rate:9 Hz**

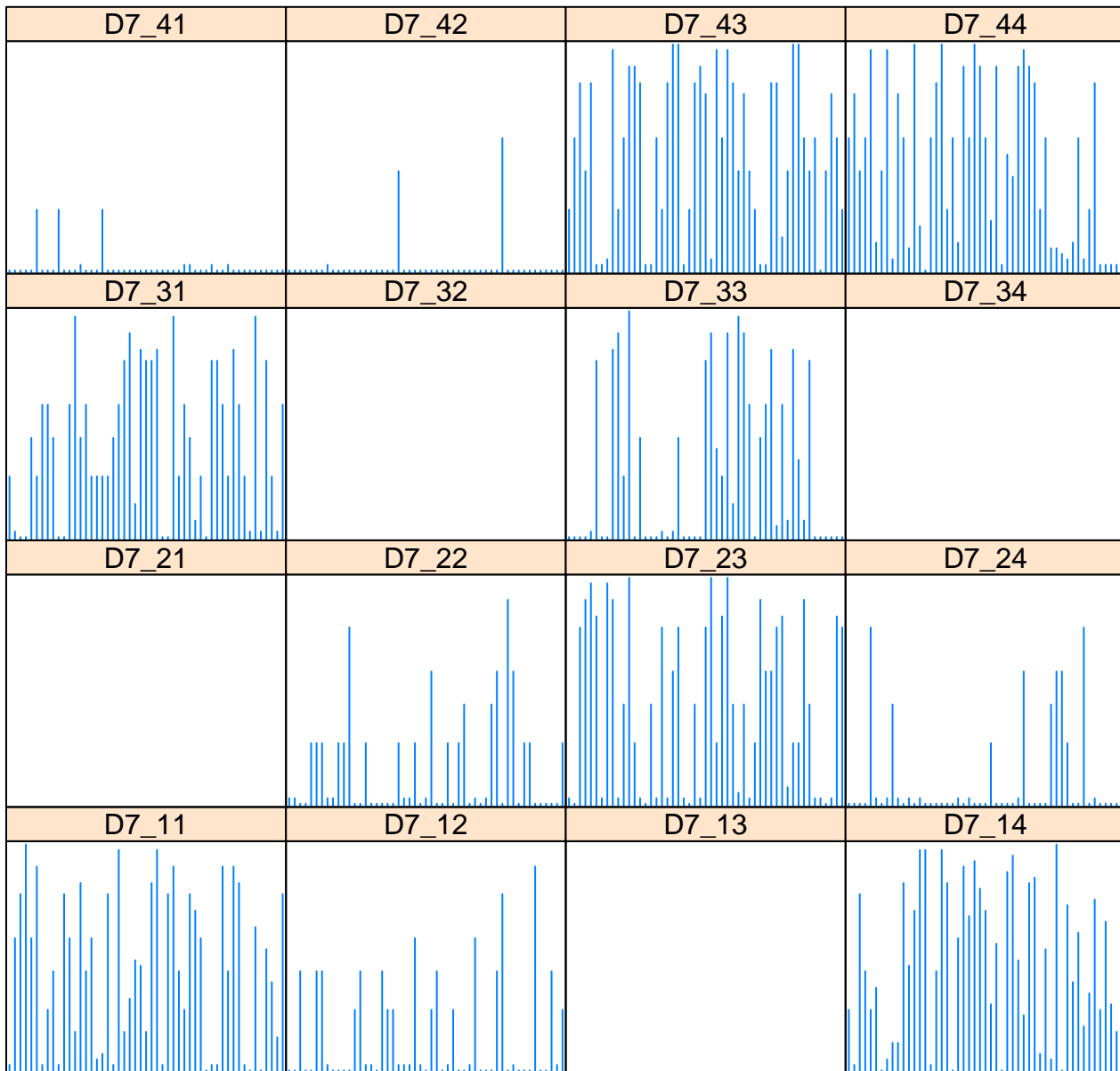**Mean Firing Rate per Second for Well D6. Maximum firing rate:9 Hz**
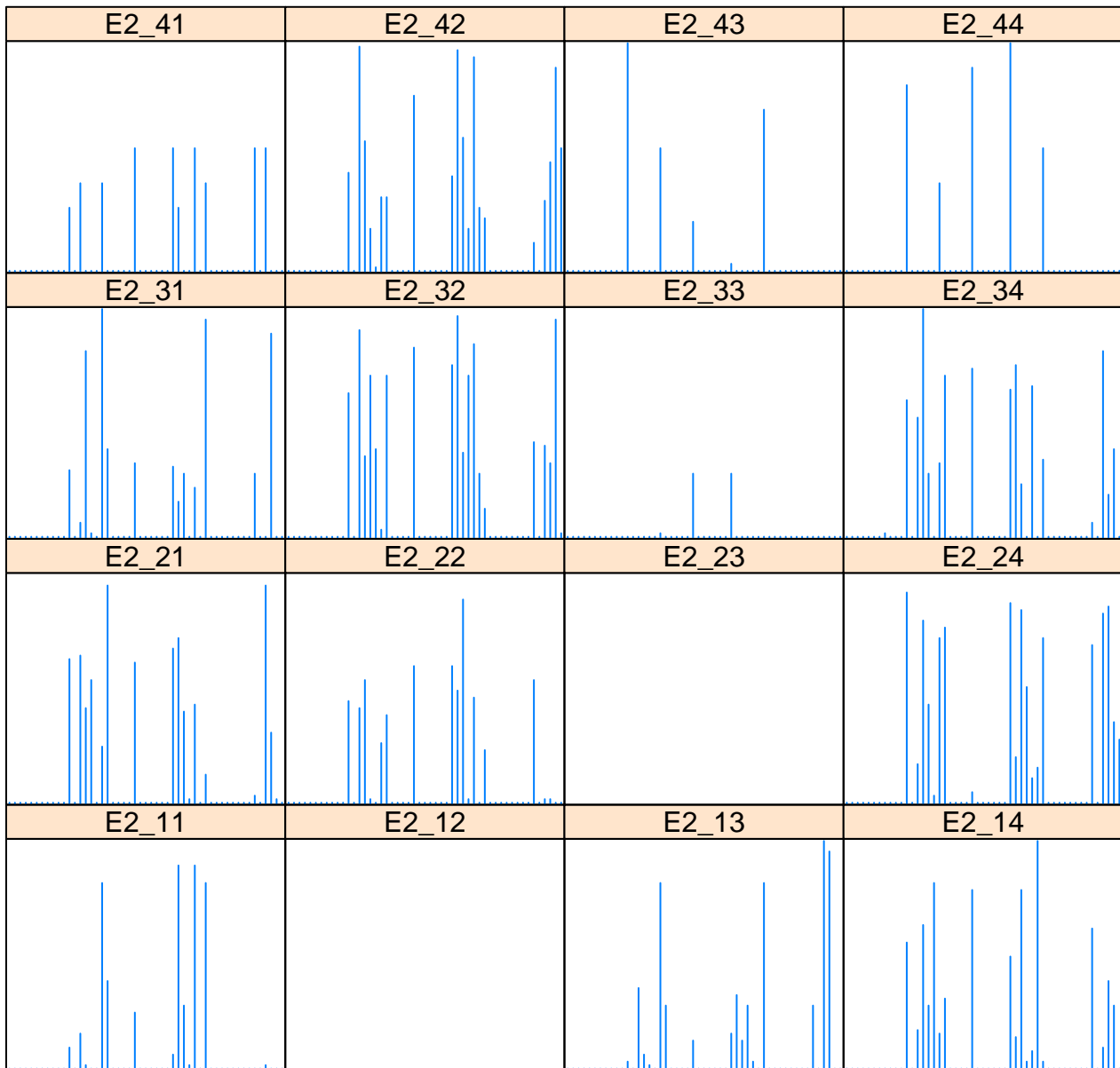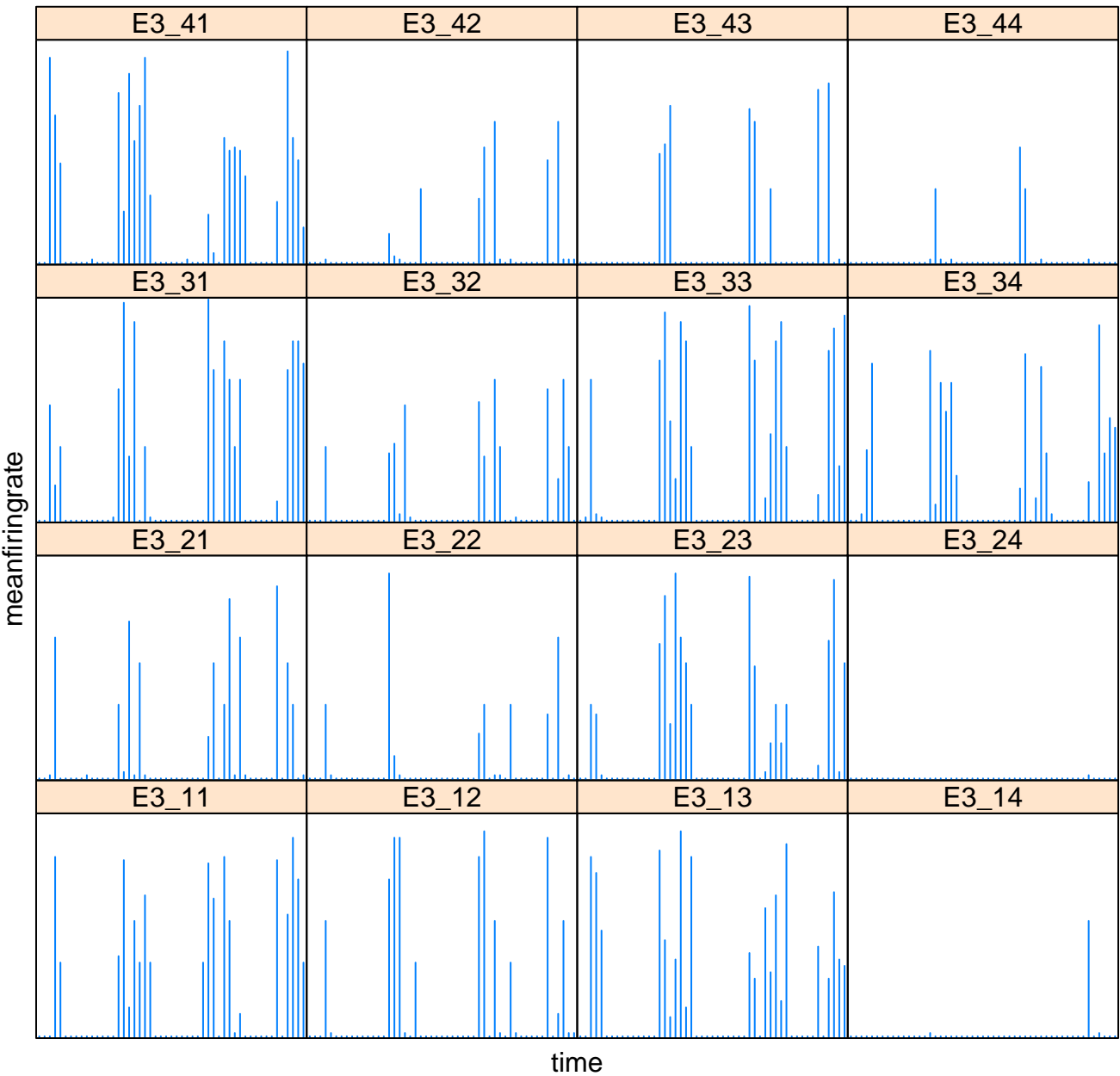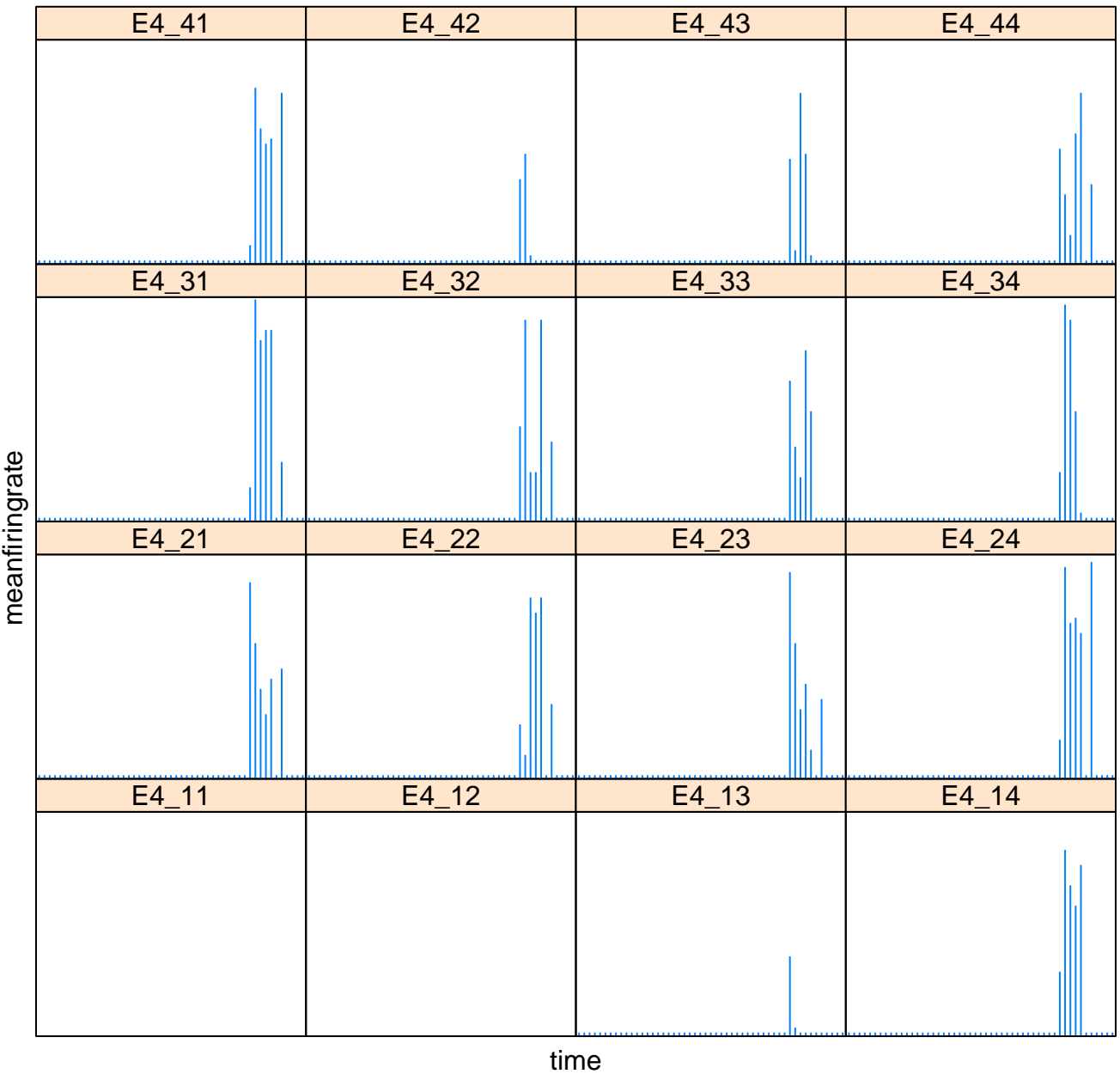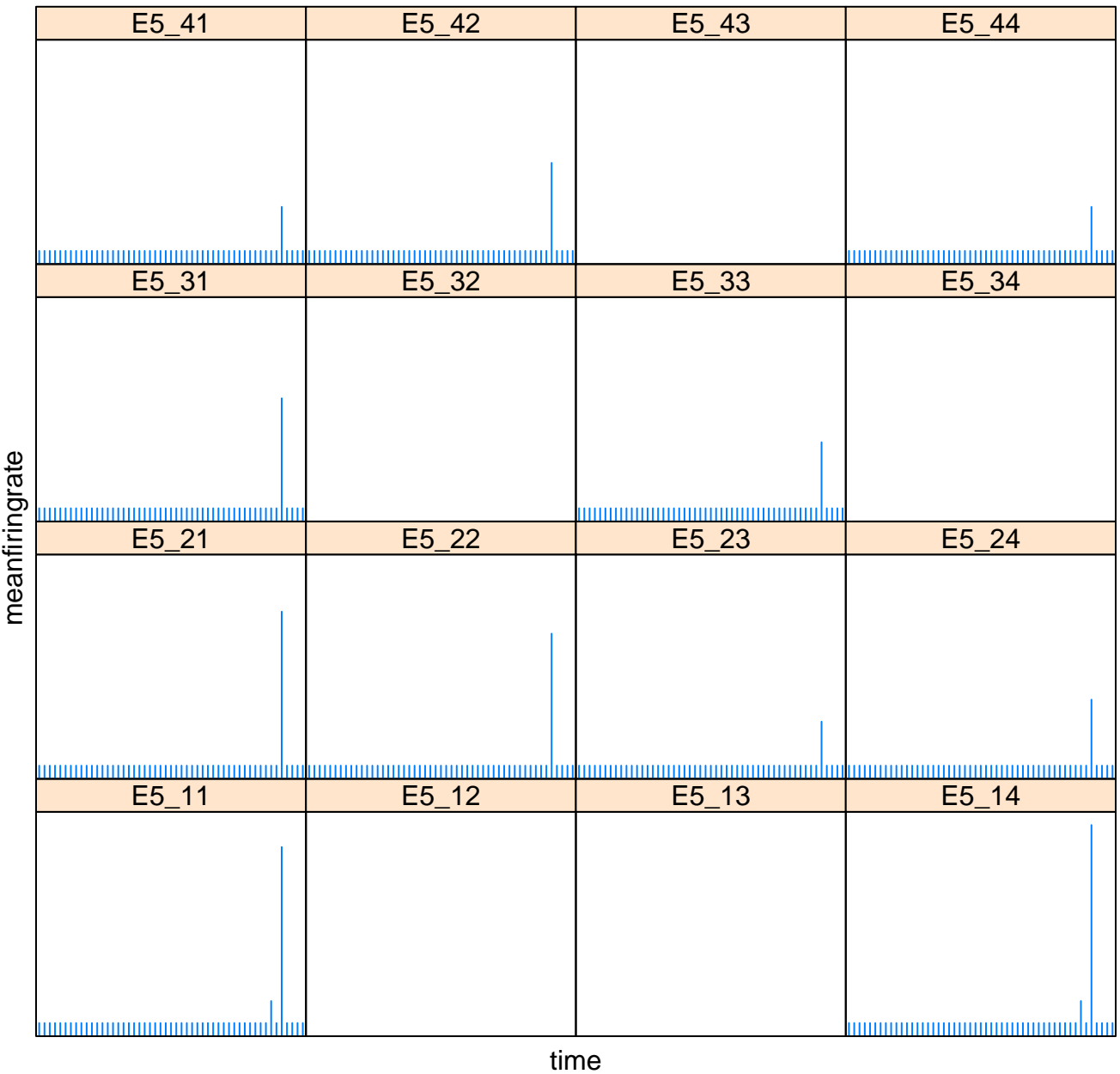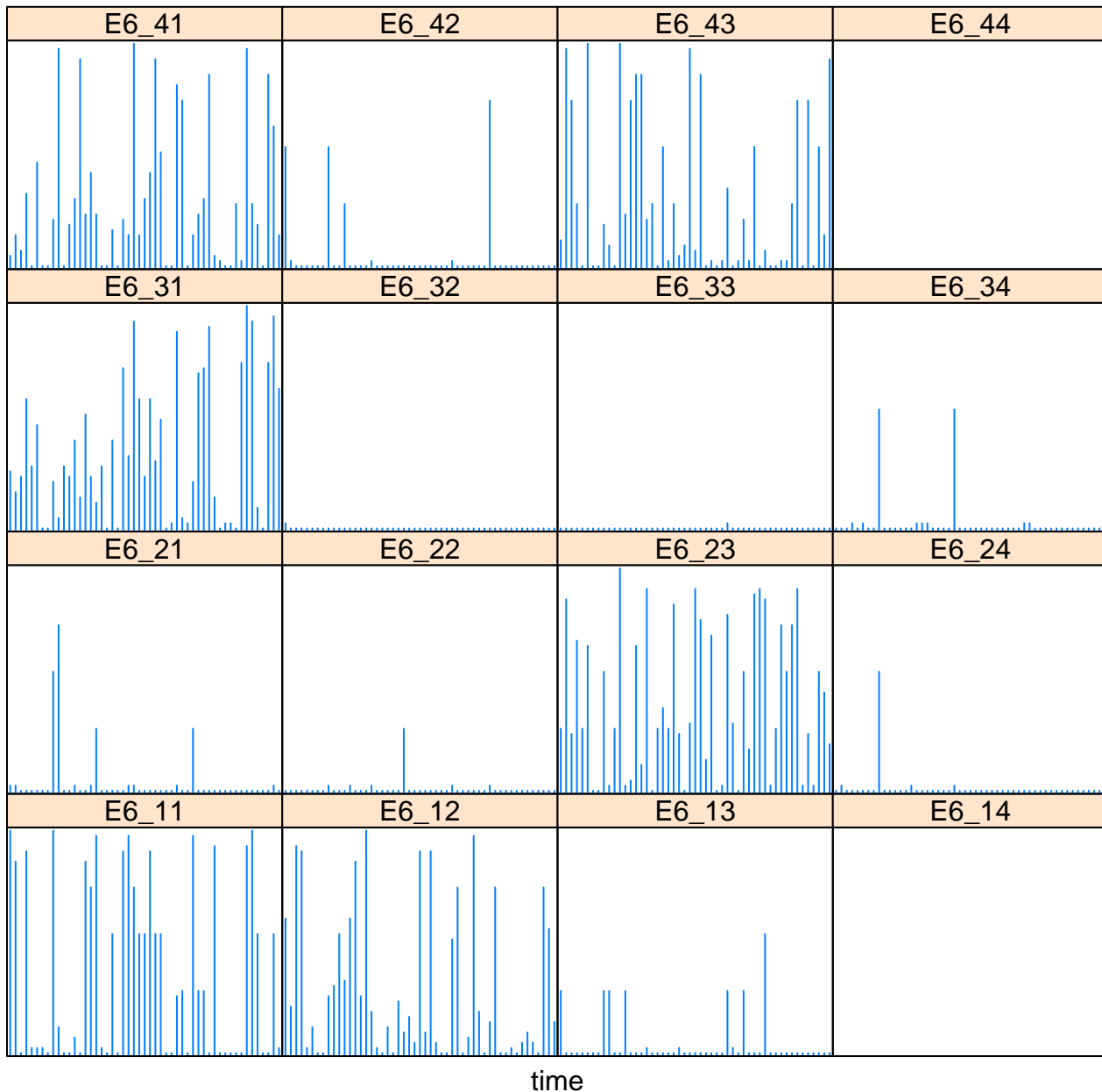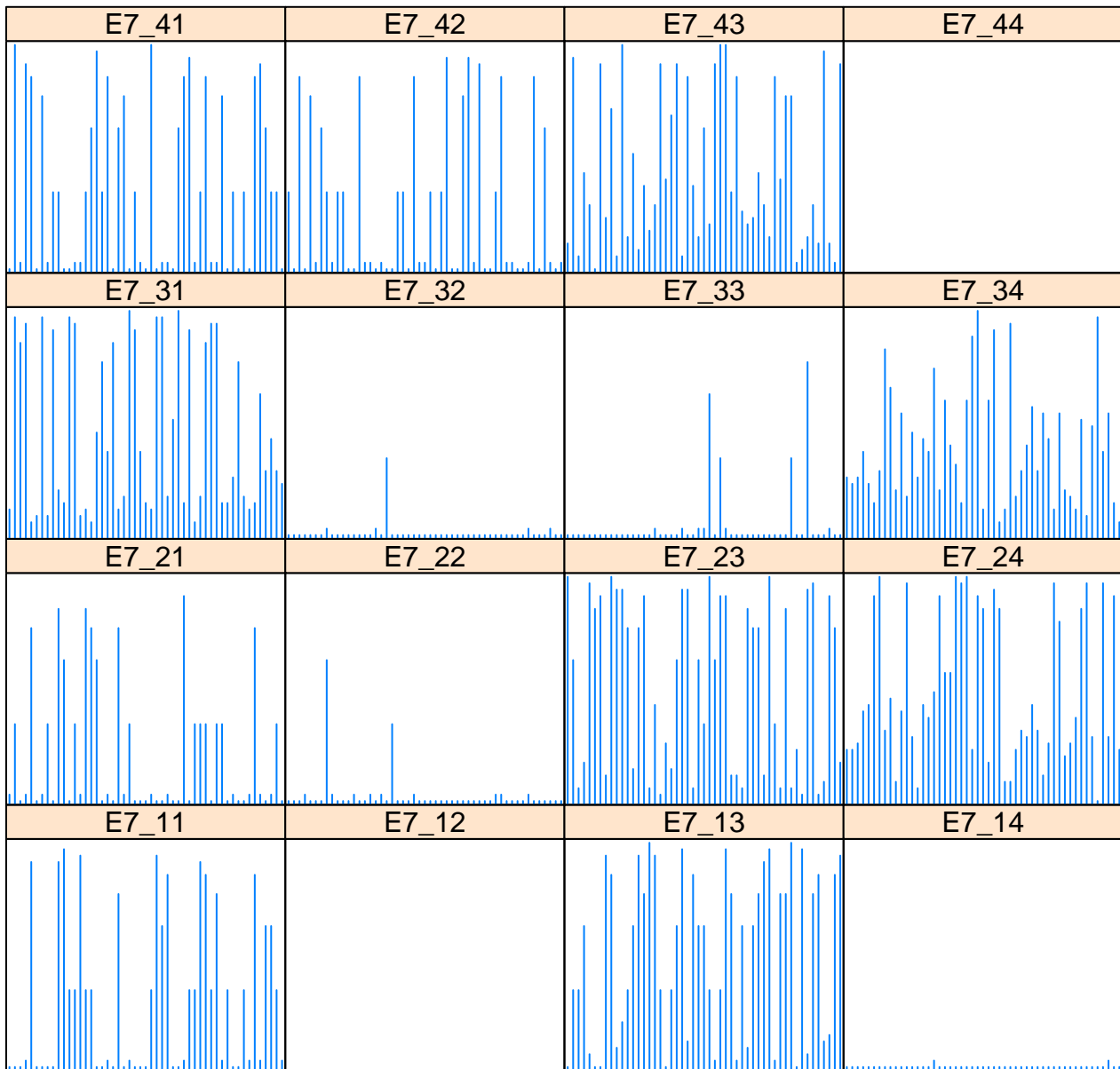
Mean Firing Rate per Second for Well D7. Maximum firing rate:9 Hz

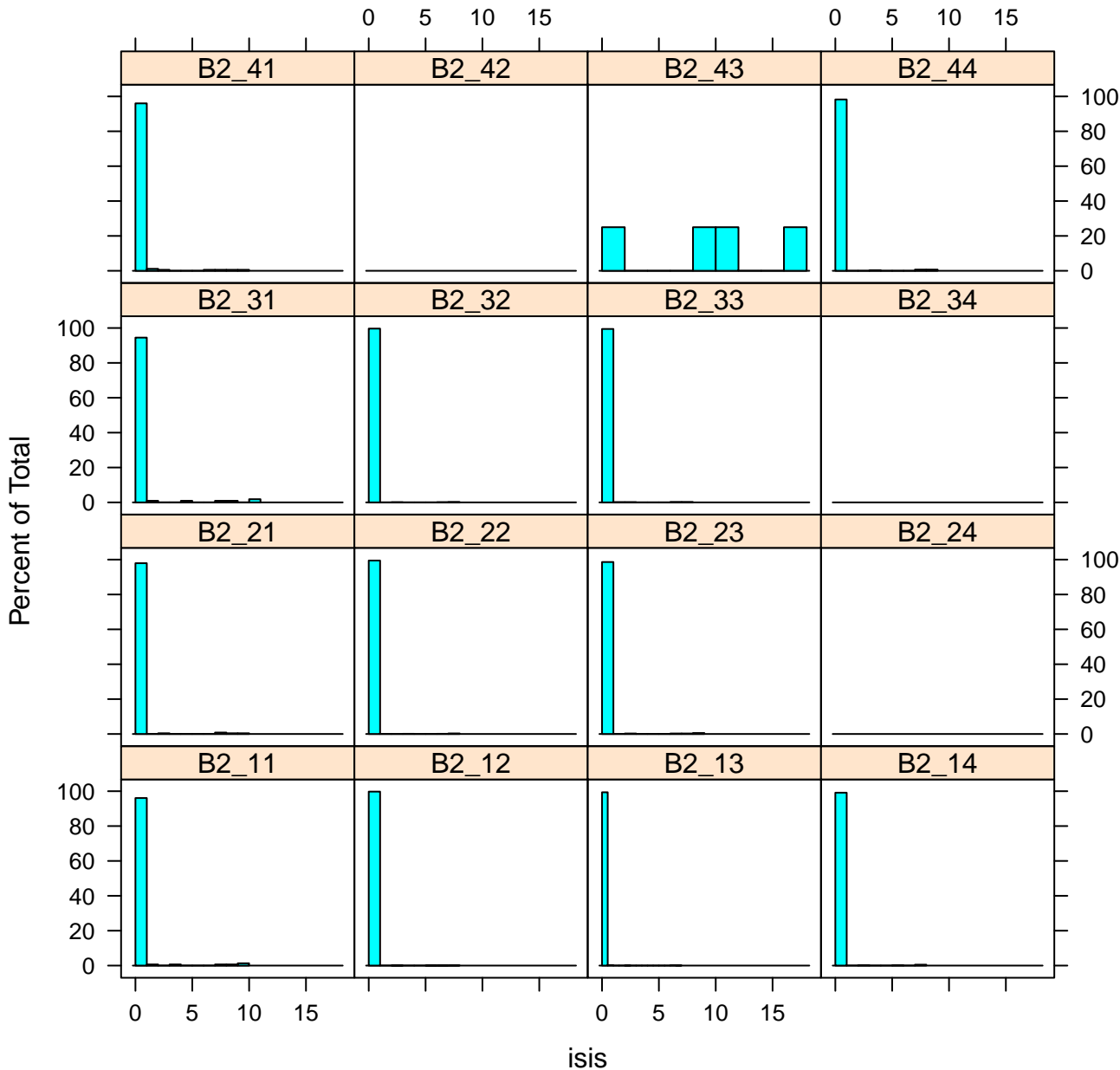Mean Firing Rate per Second for Well E2. Maximum firing rate:9 Hz

Mean Firing Rate per Second for Well E3. Maximum firing rate:99 Hz

Mean Firing Rate per Second for Well E4. Maximum firing rate:93 Hz

Mean Firing Rate per Second for Well E5. Maximum firing rate:69 Hz

Mean Firing Rate per Second for Well E6. Maximum firing rate:9 Hz

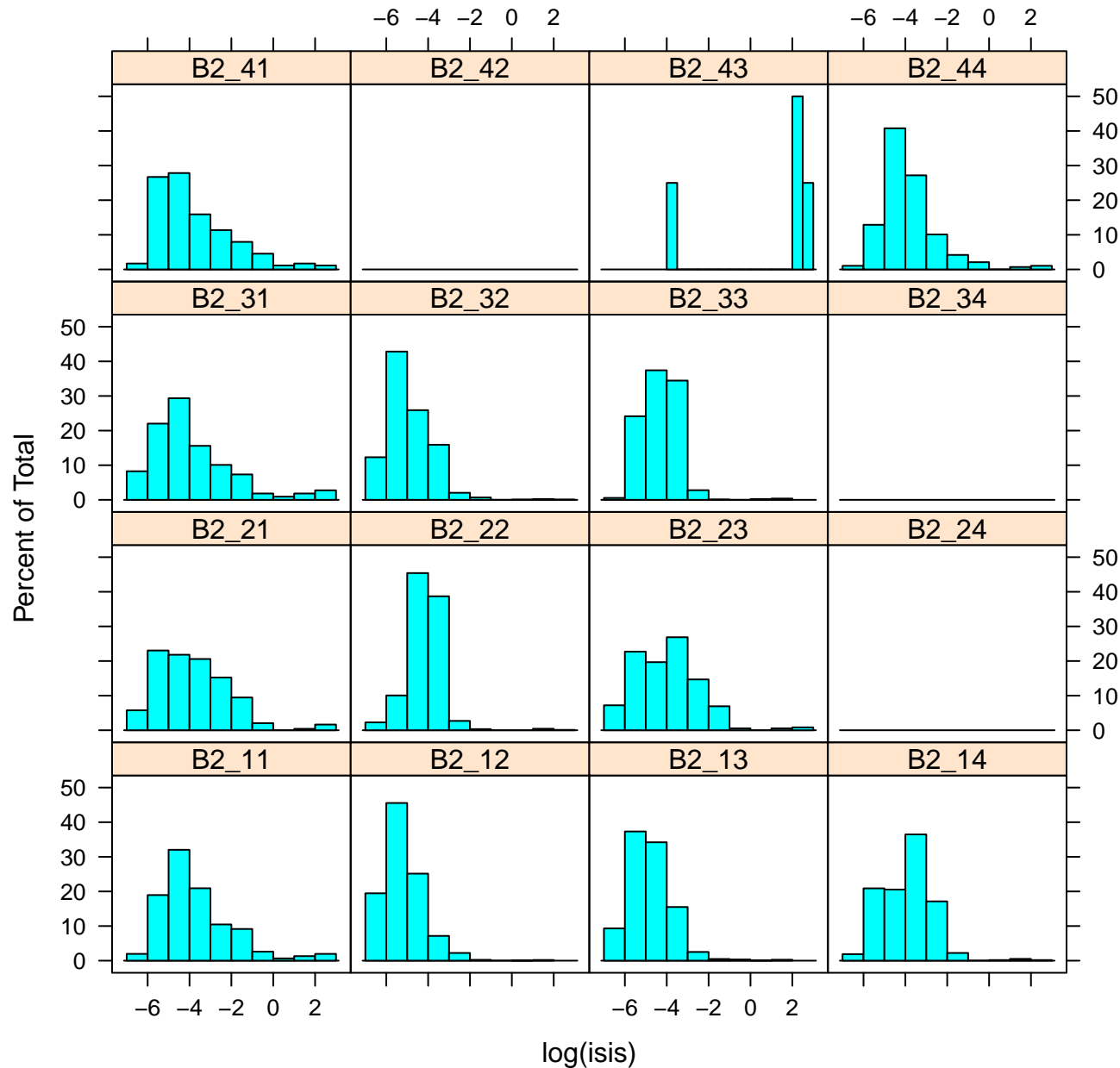# Mean Firing Rate per Second for Well E7. Maximum firing rate:9 Hz
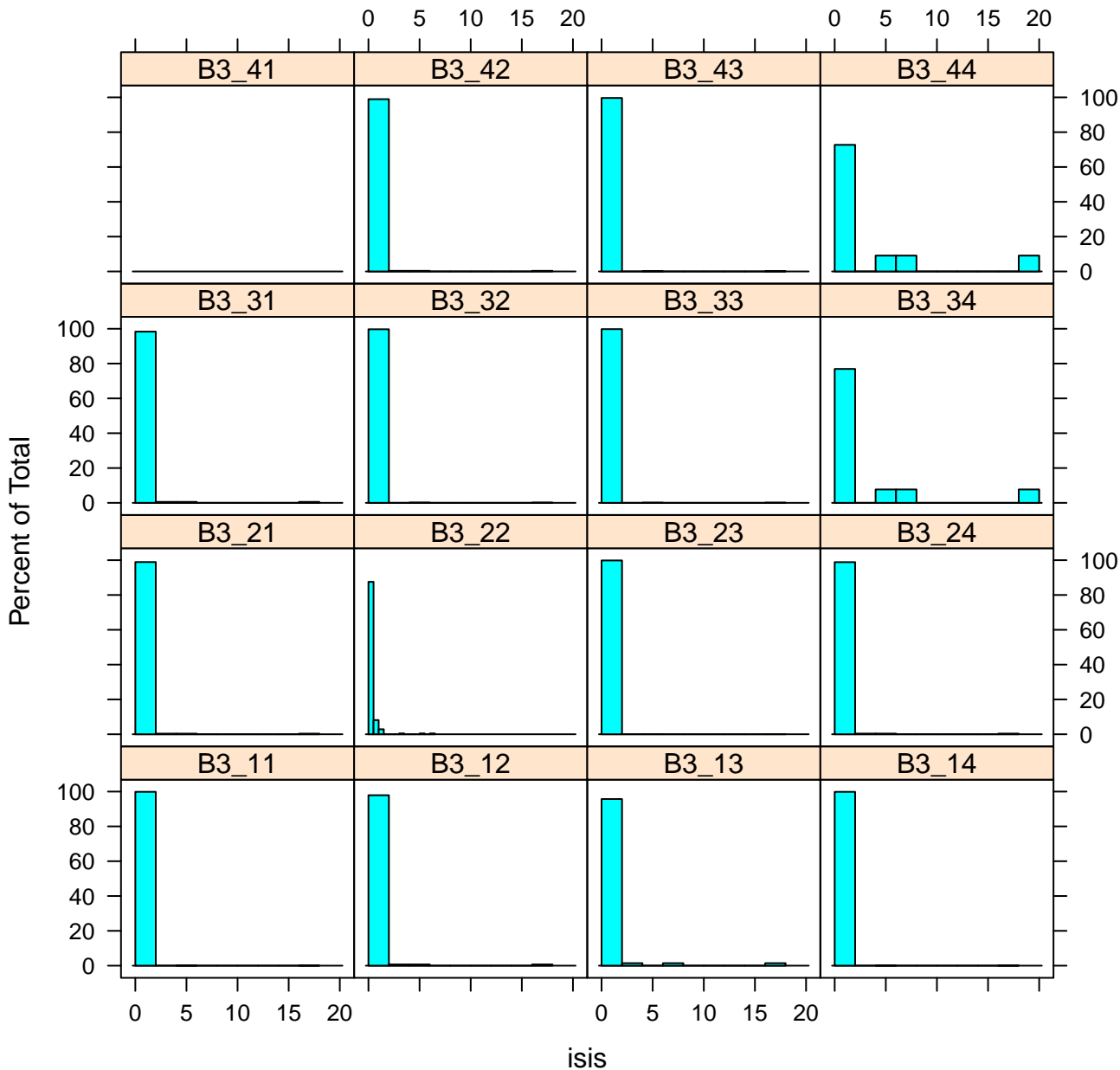
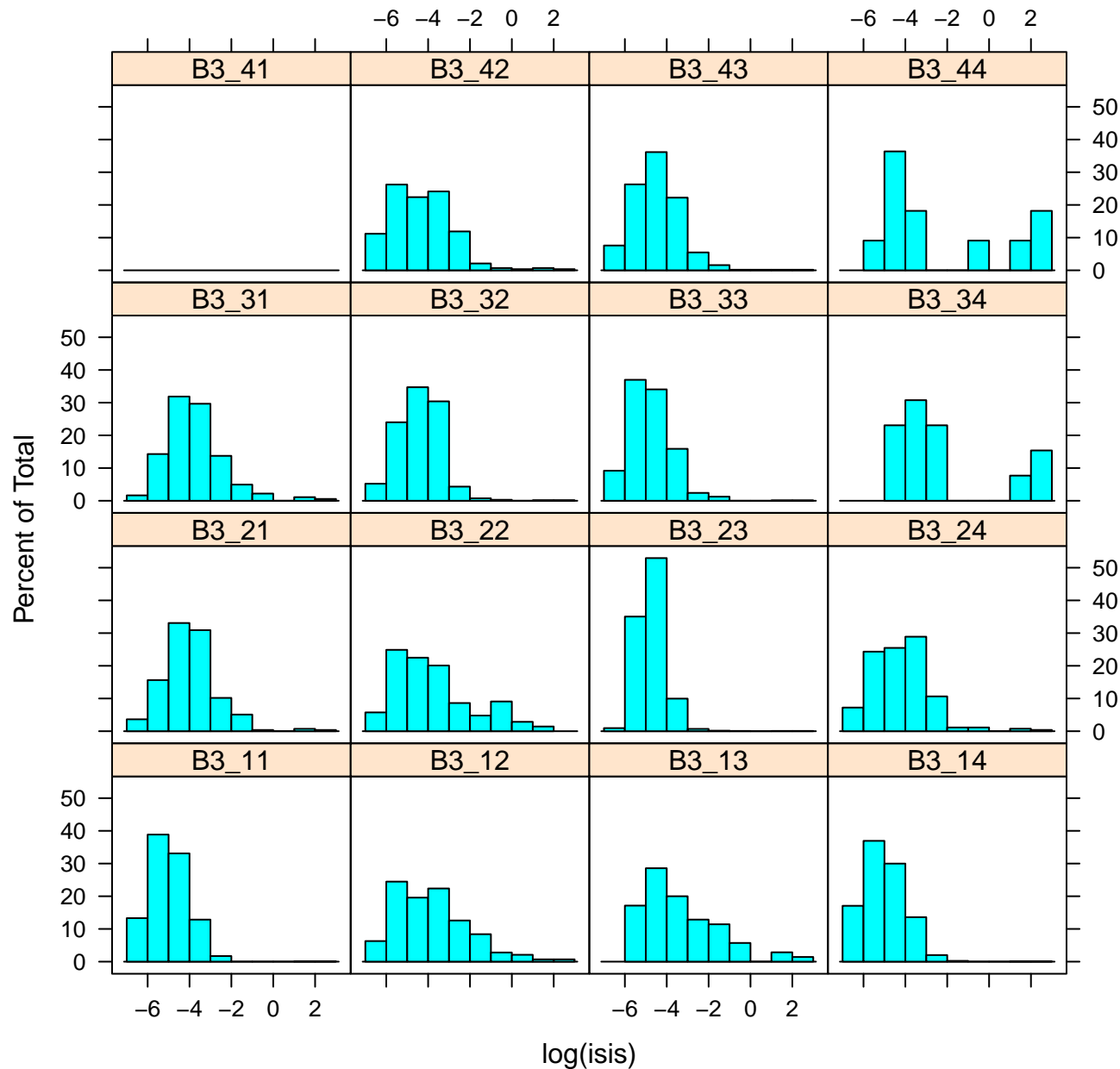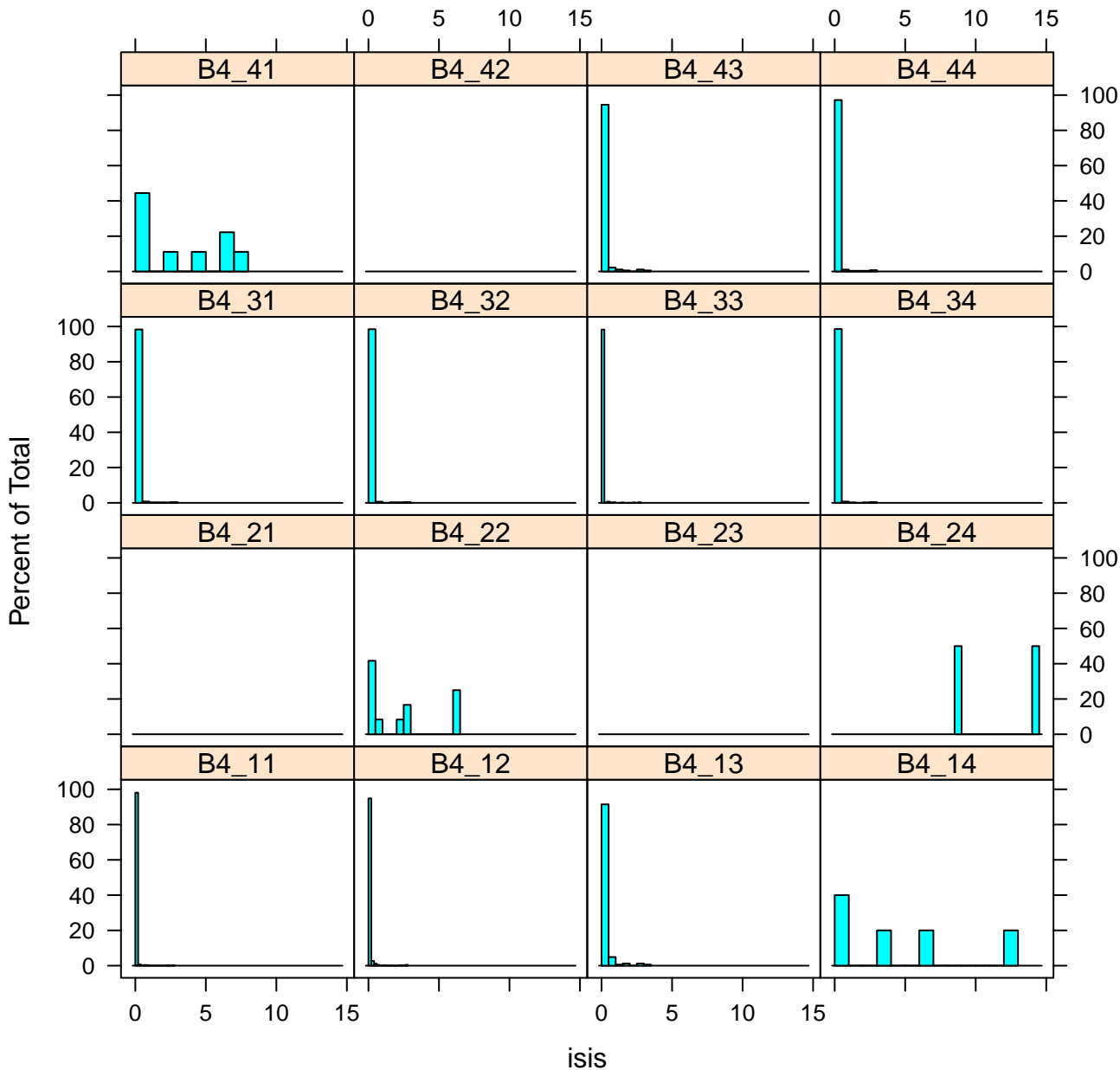ISIs histogram plot for B2

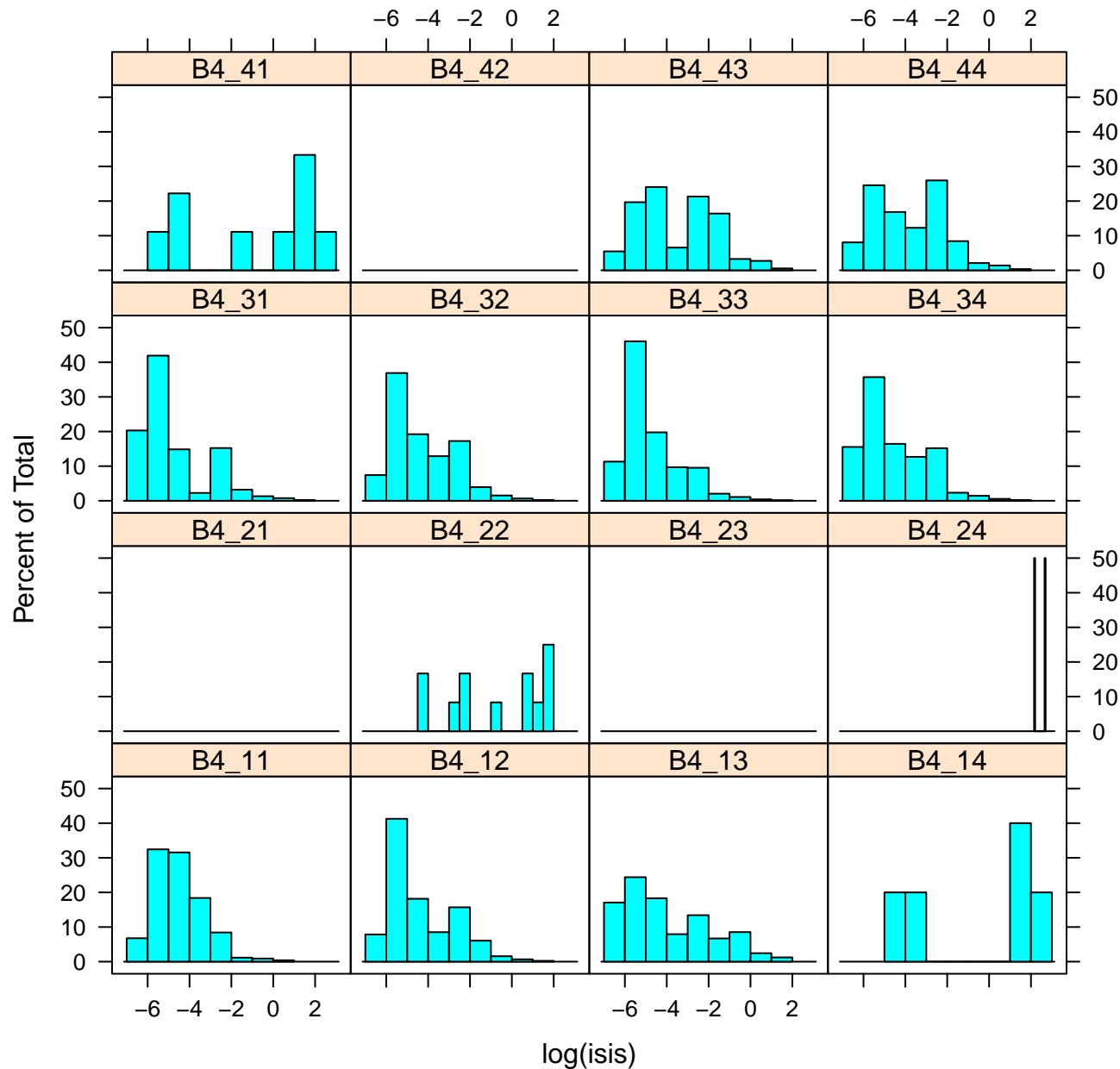**log(ISIs) histogram plot for B2**

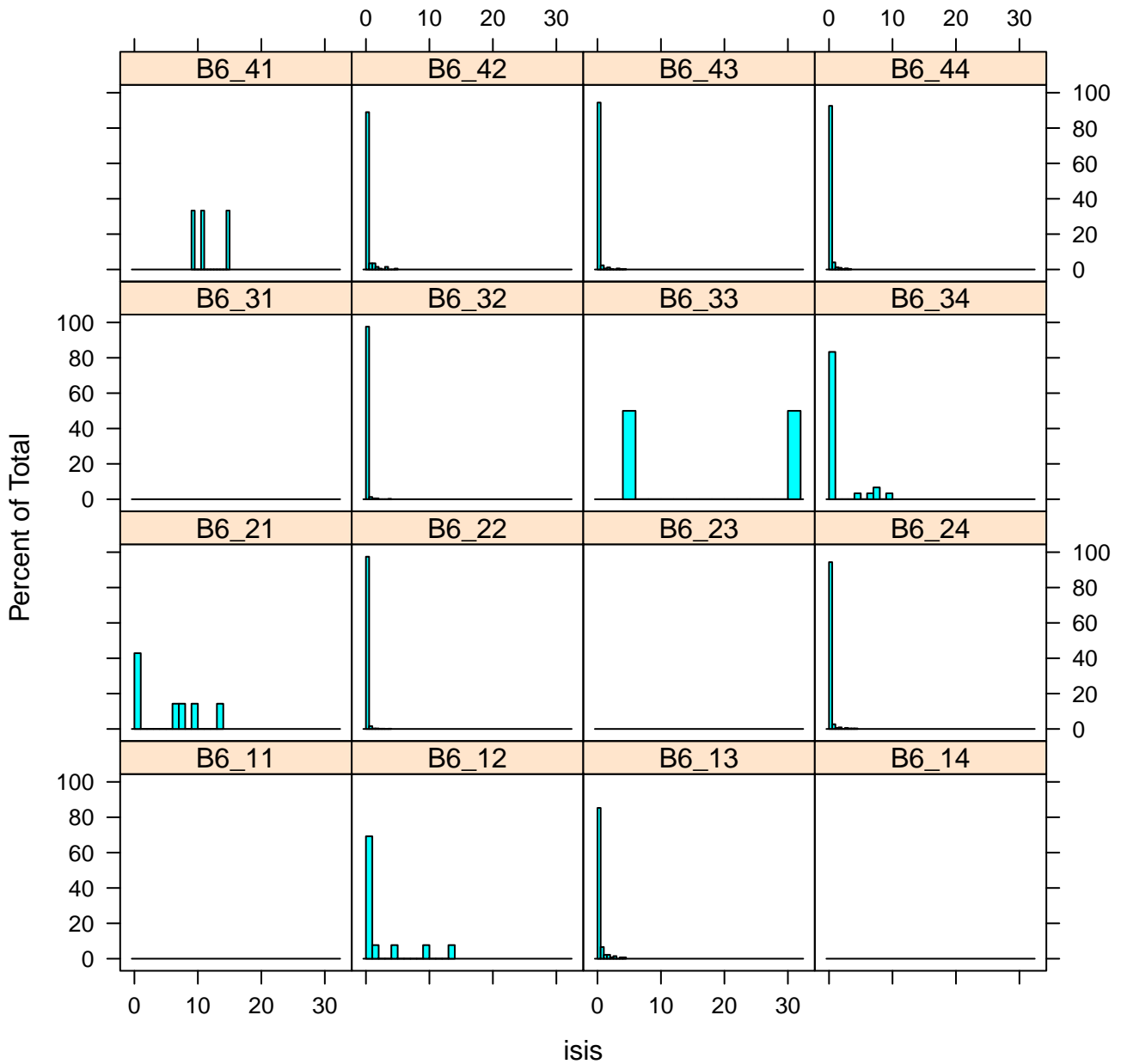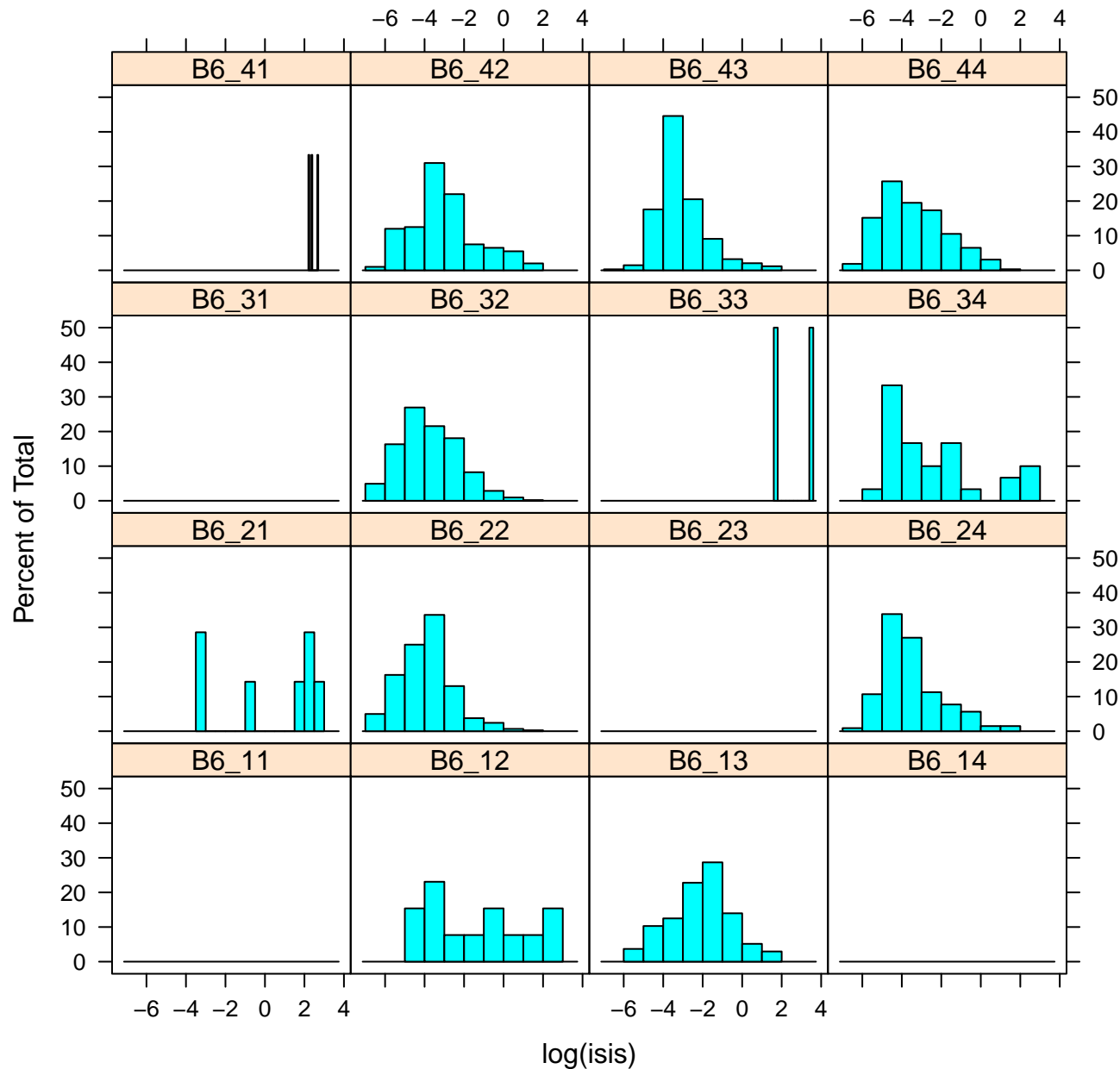ISIs histogram plot for B3

log(ISIs) histogram plot for B3
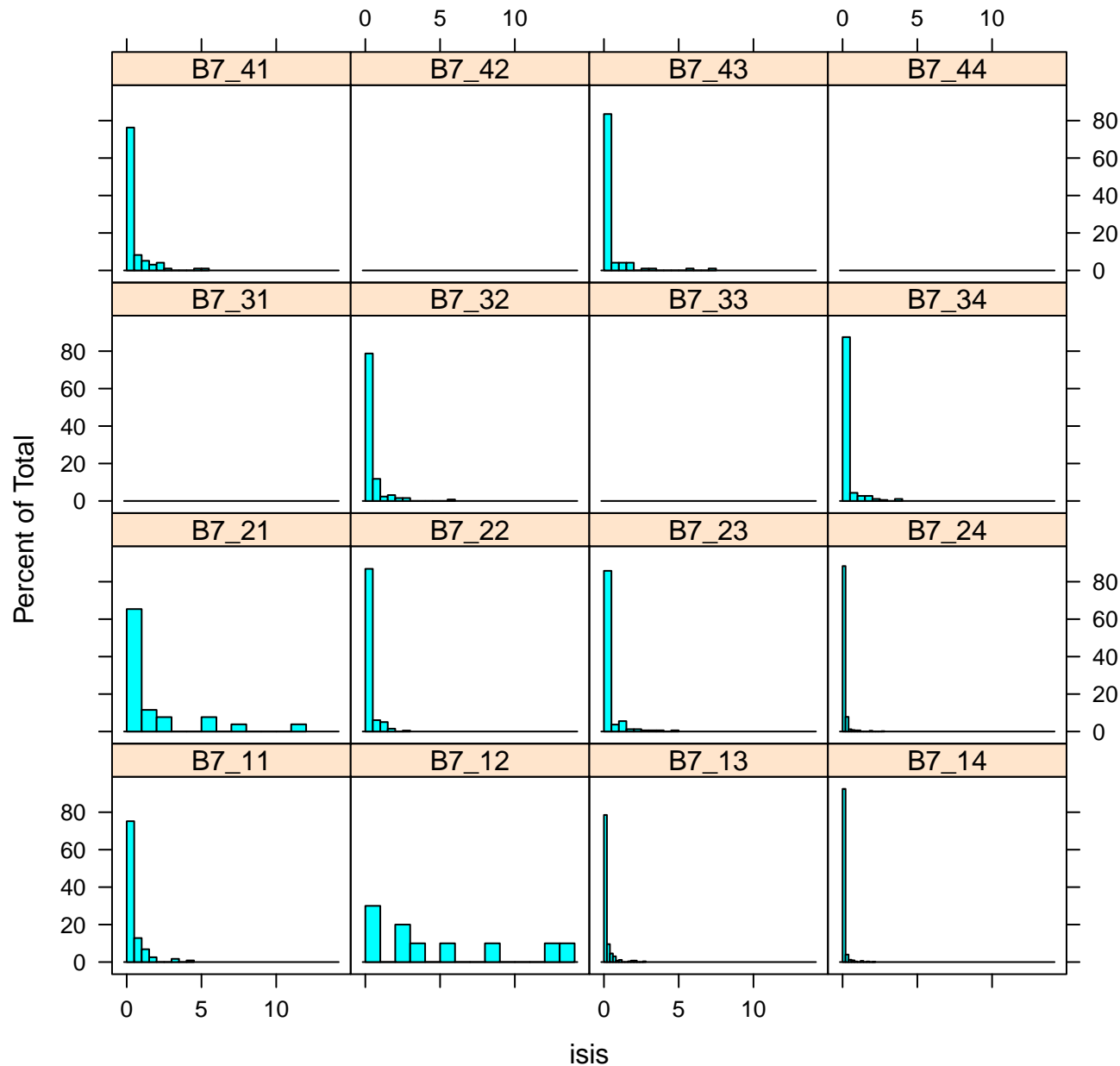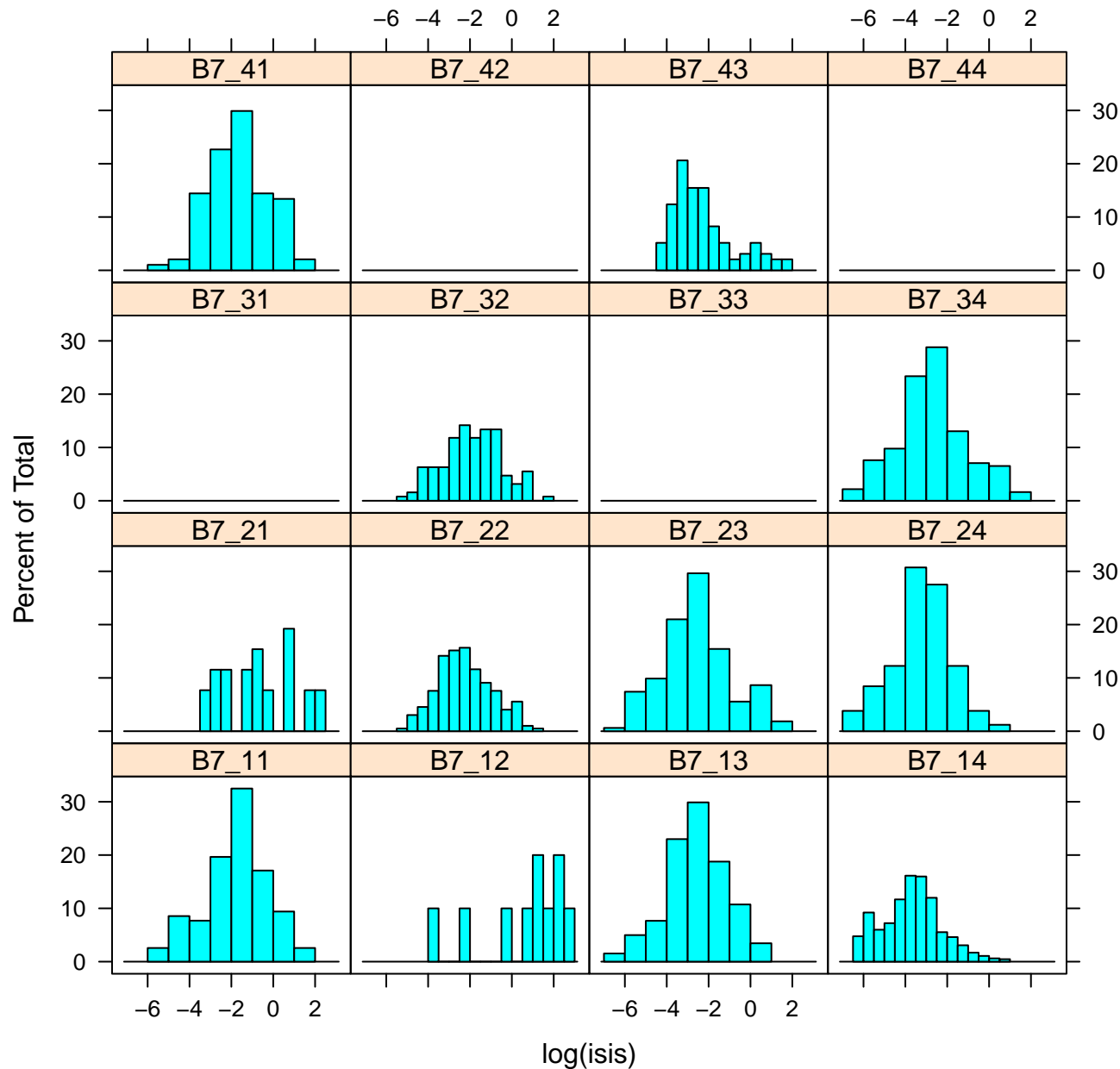
ISIs histogram plot for B4

log(ISIs) histogram plot for B4

ISIs histogram plot for B6
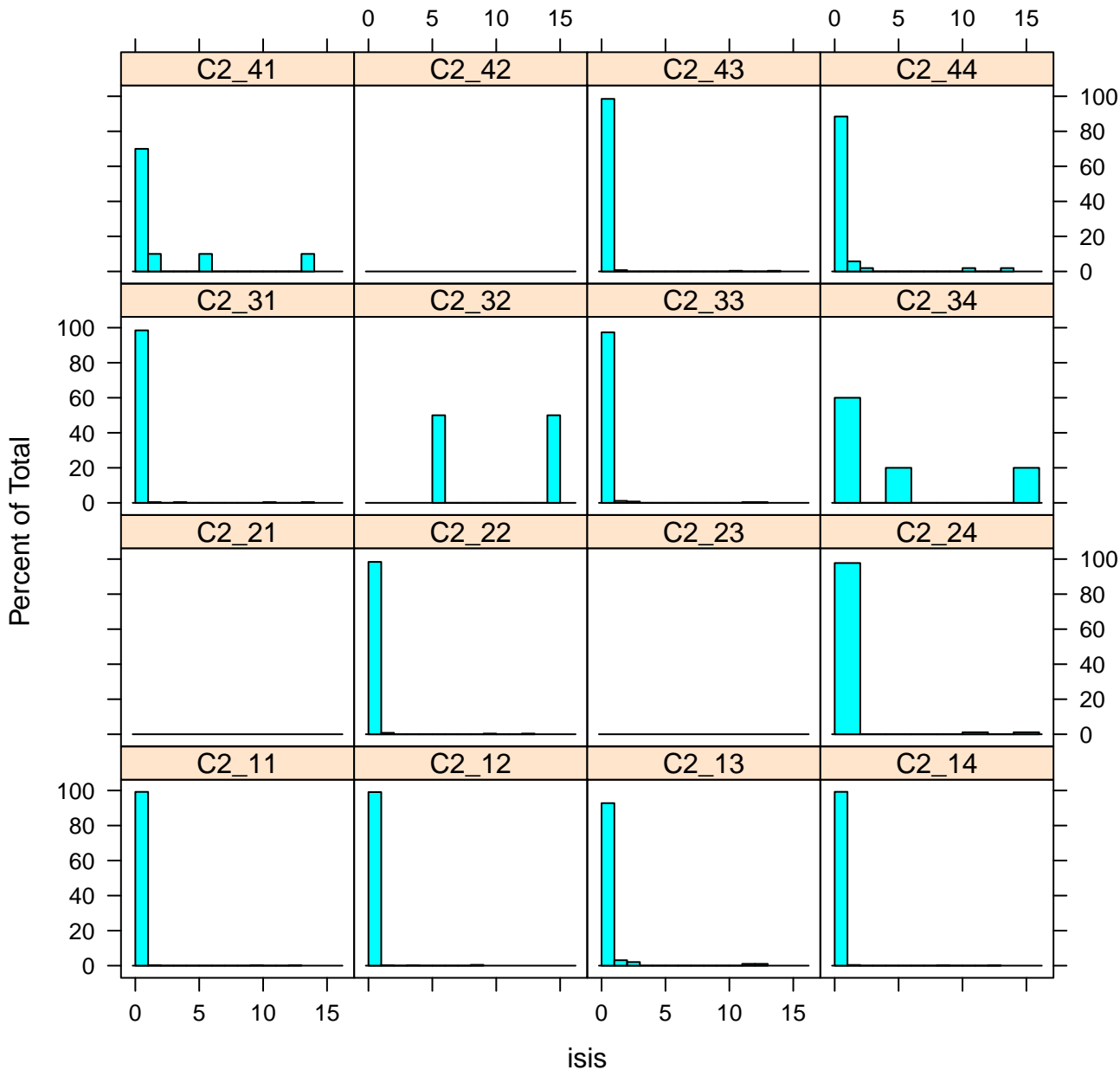
log(ISIs) histogram plot for B6

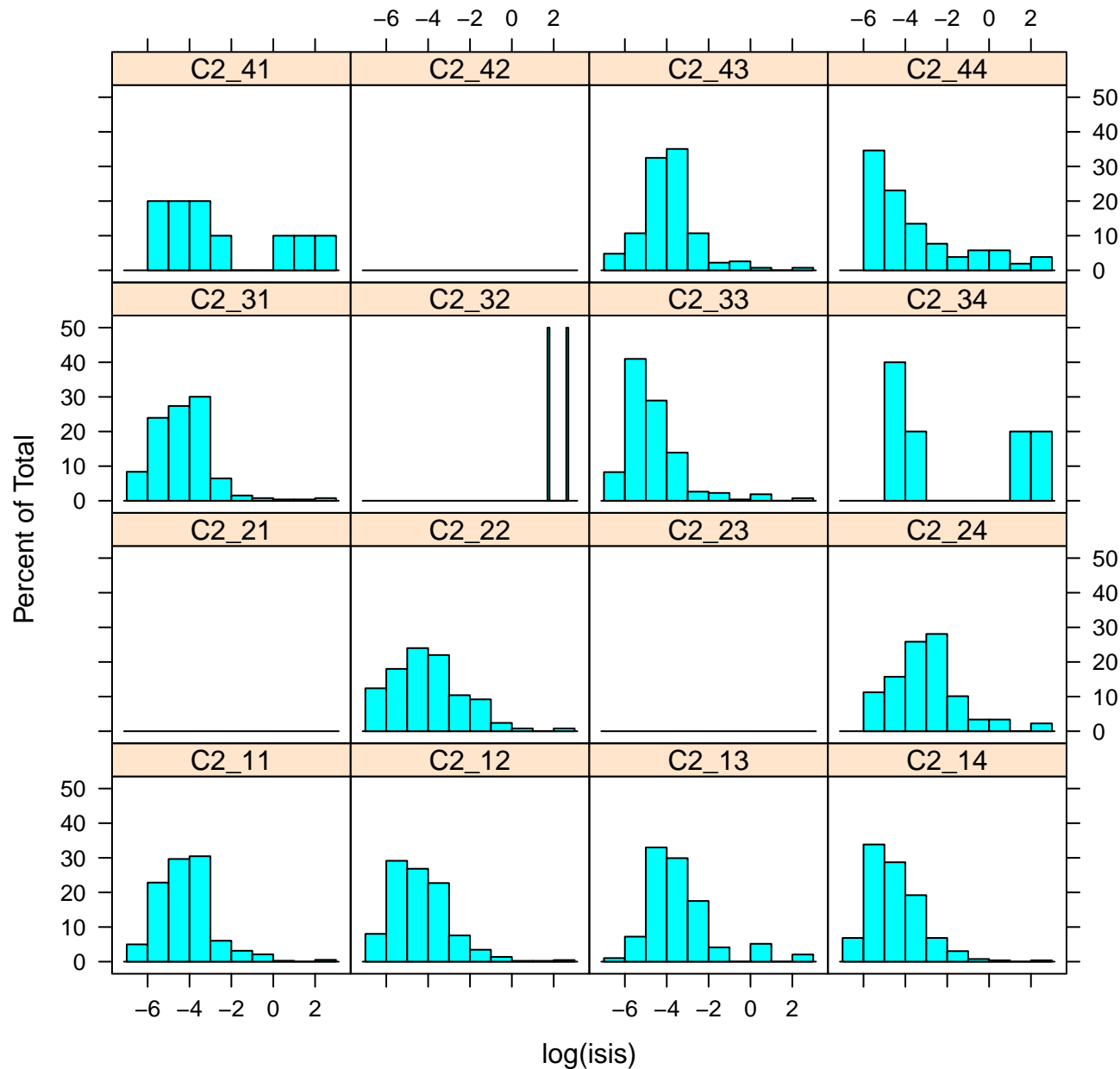**ISIs histogram plot for B7**

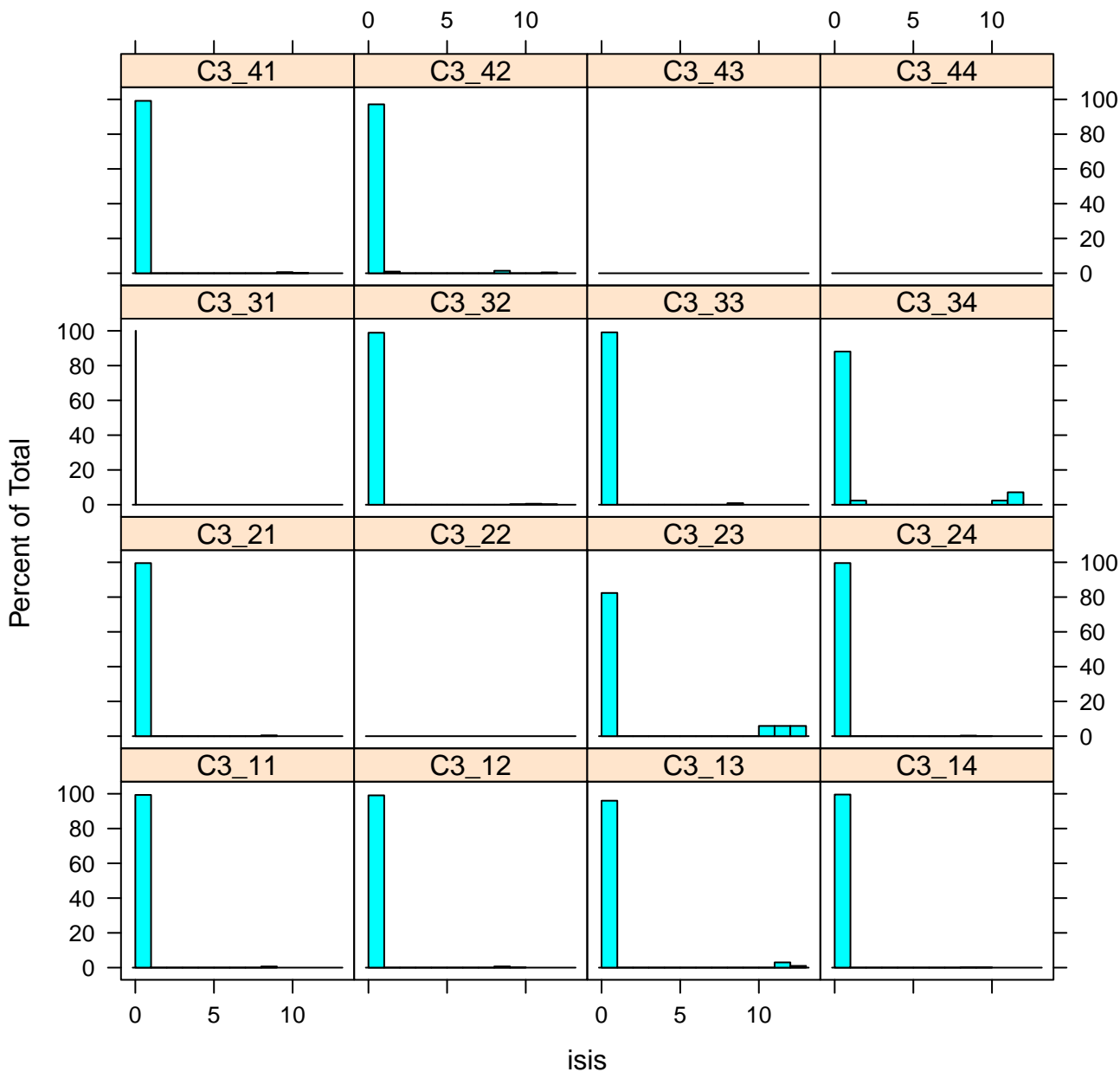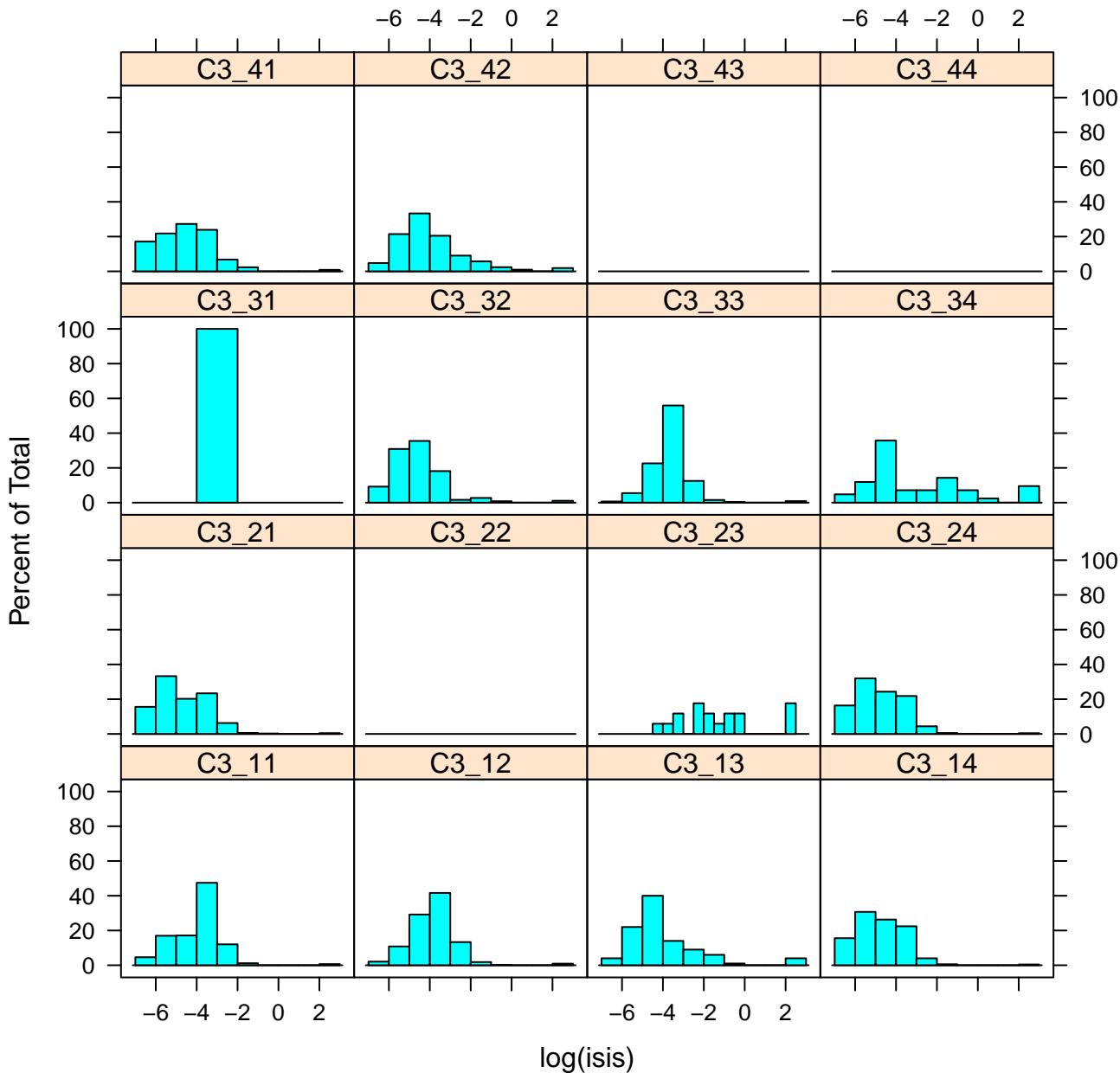**log(ISIs) histogram plot for B7**

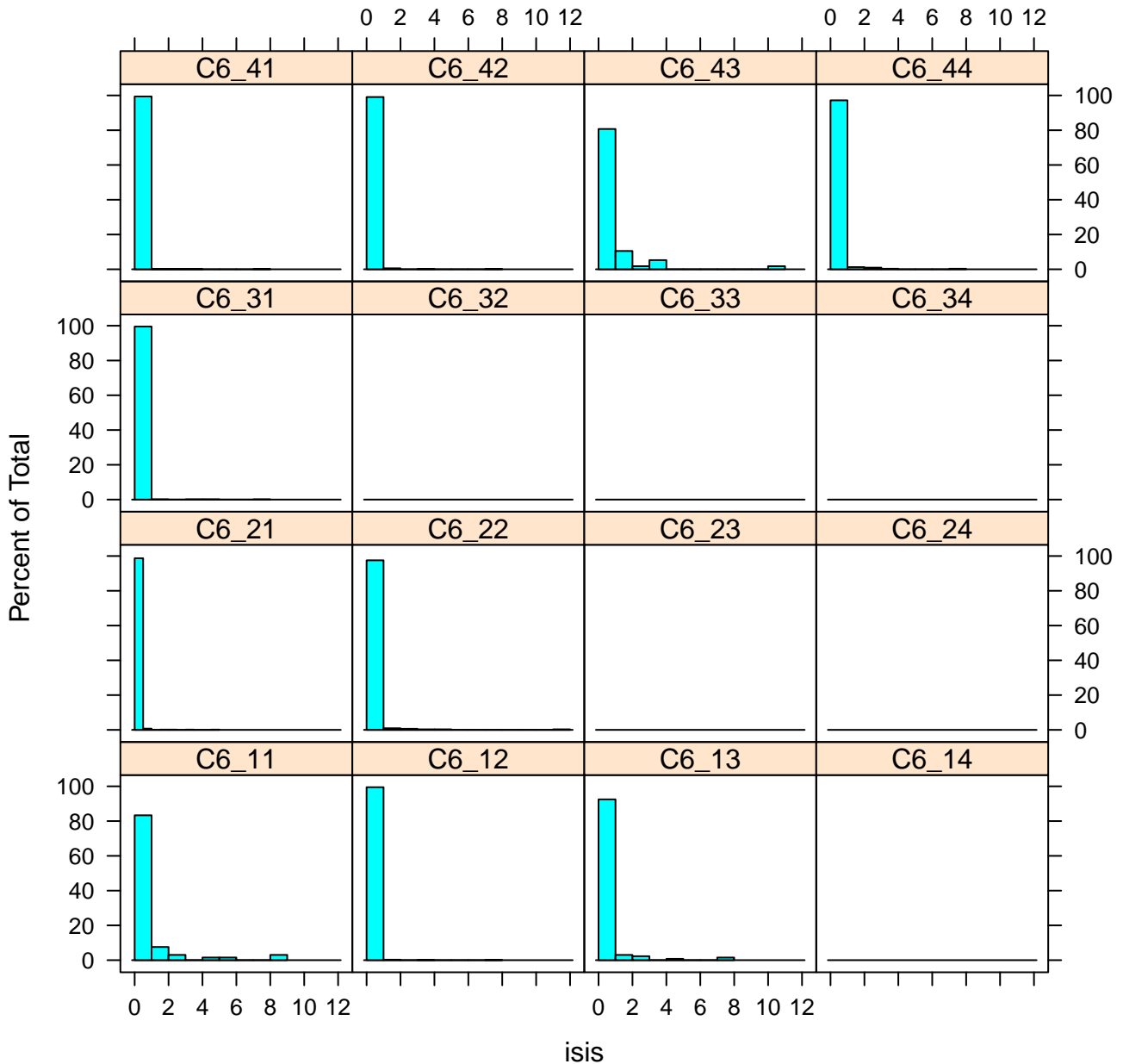ISIs histogram plot for C2

log(ISIs) histogram plot for C2

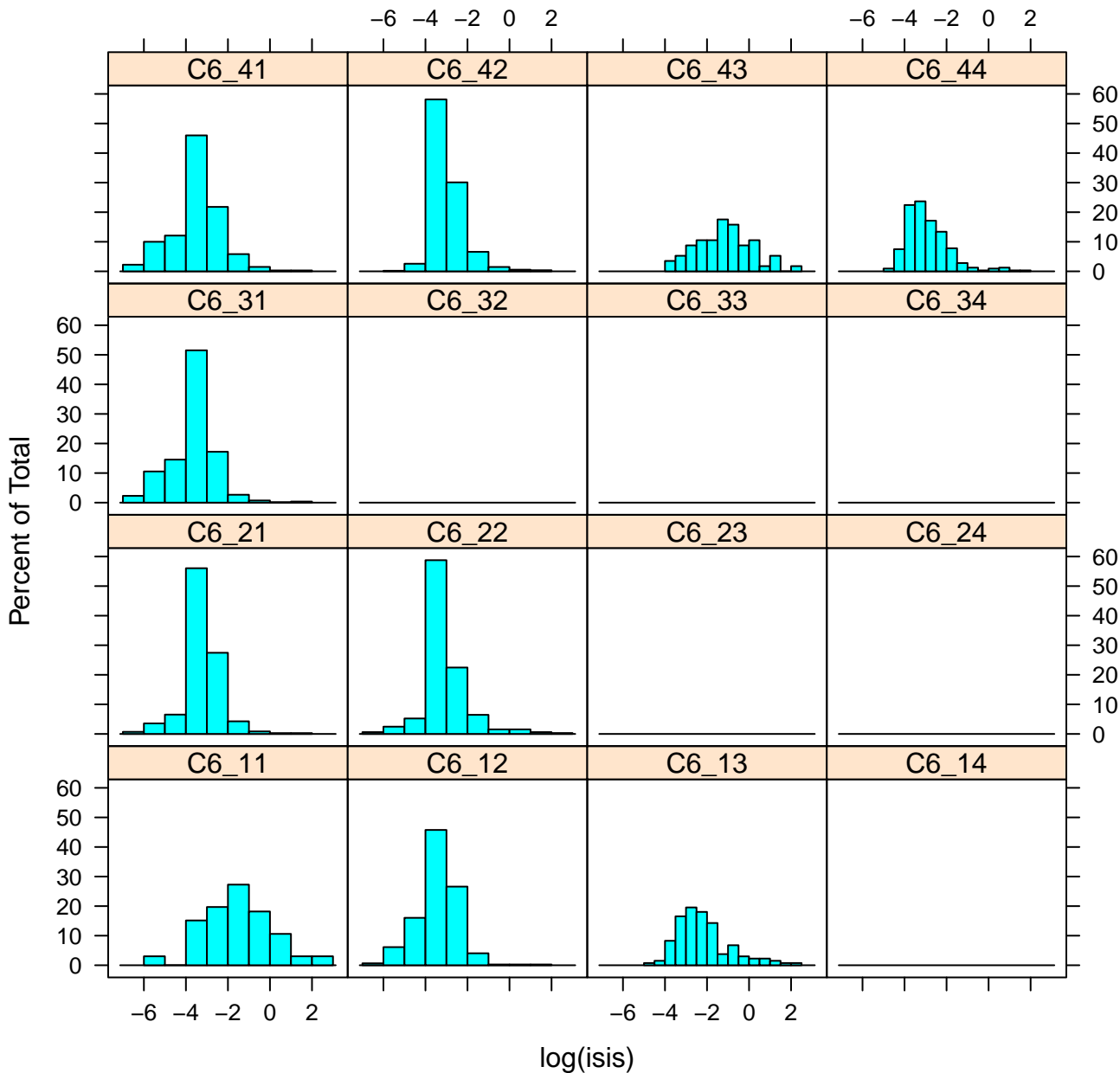ISIs histogram plot for C3

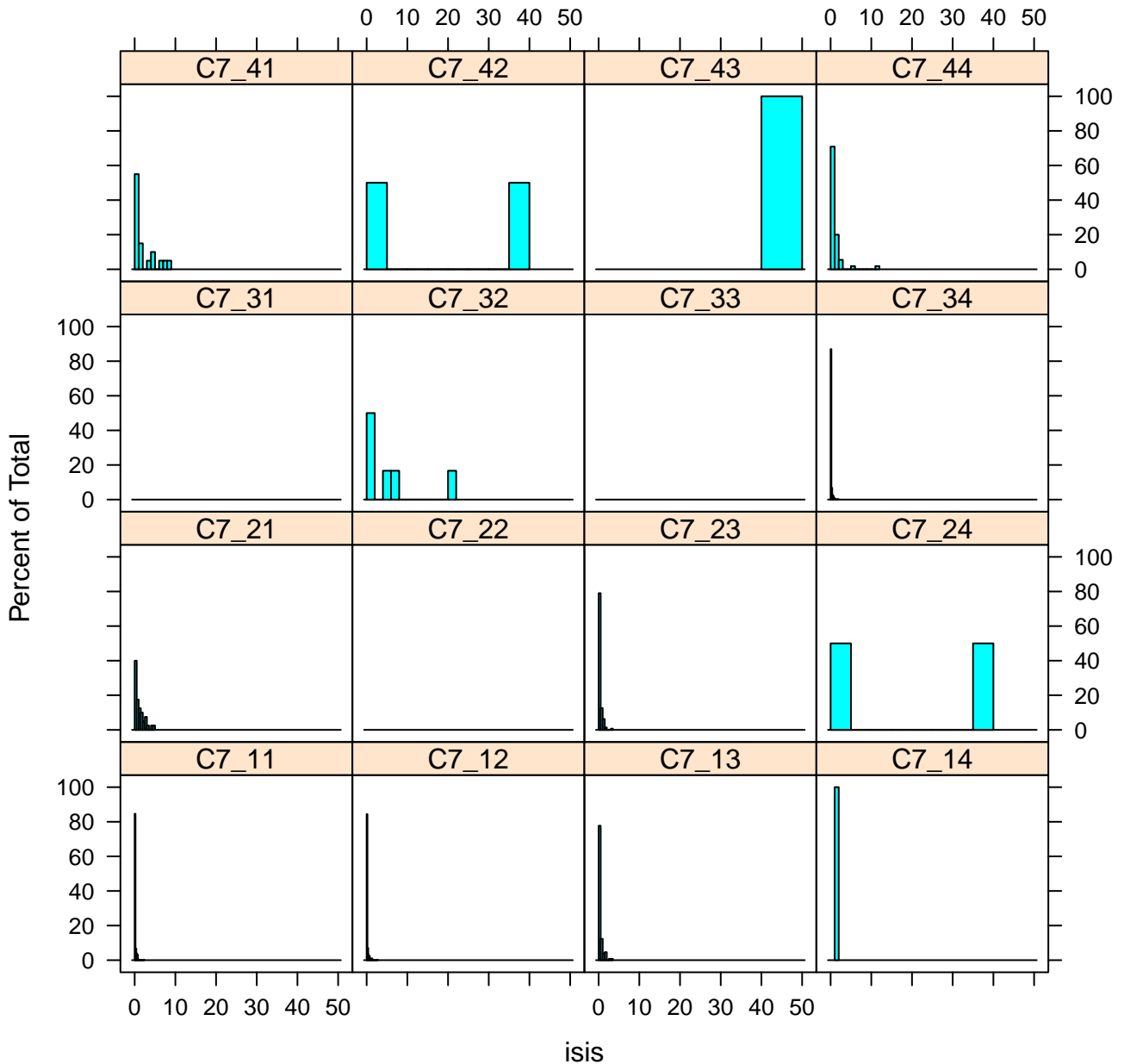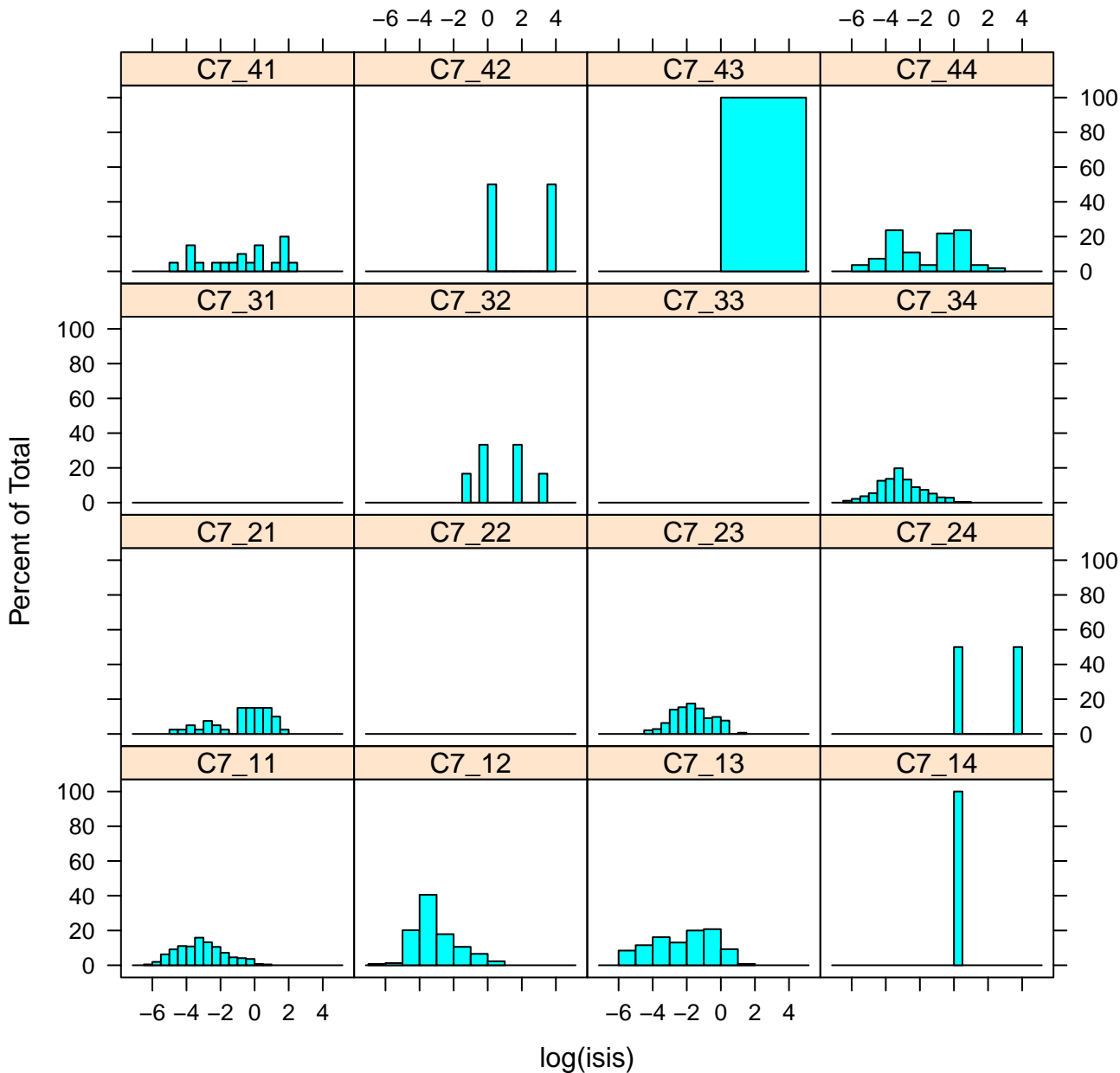# log(ISIs) histogram plot for C3
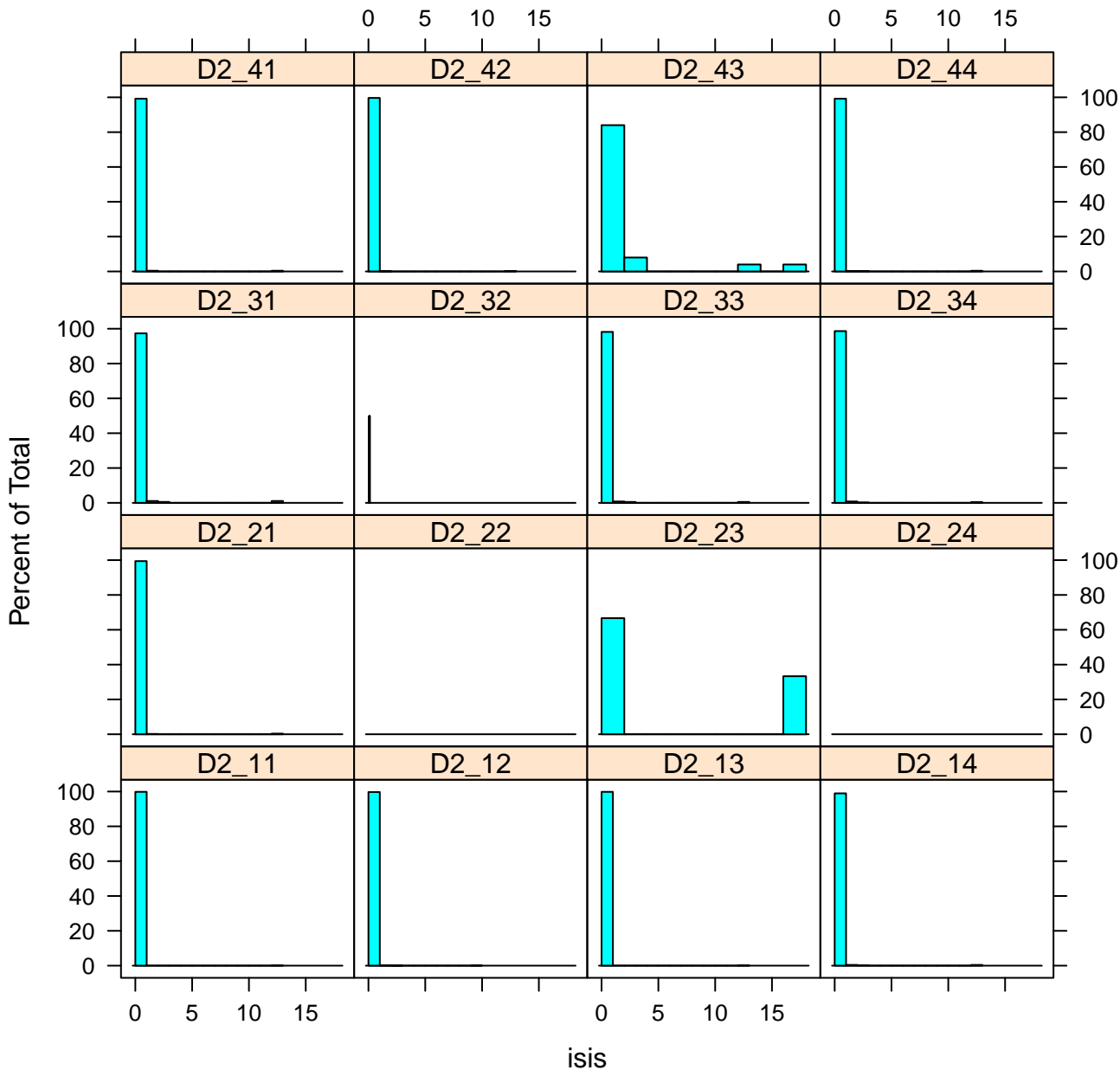
ISIs histogram plot for C6

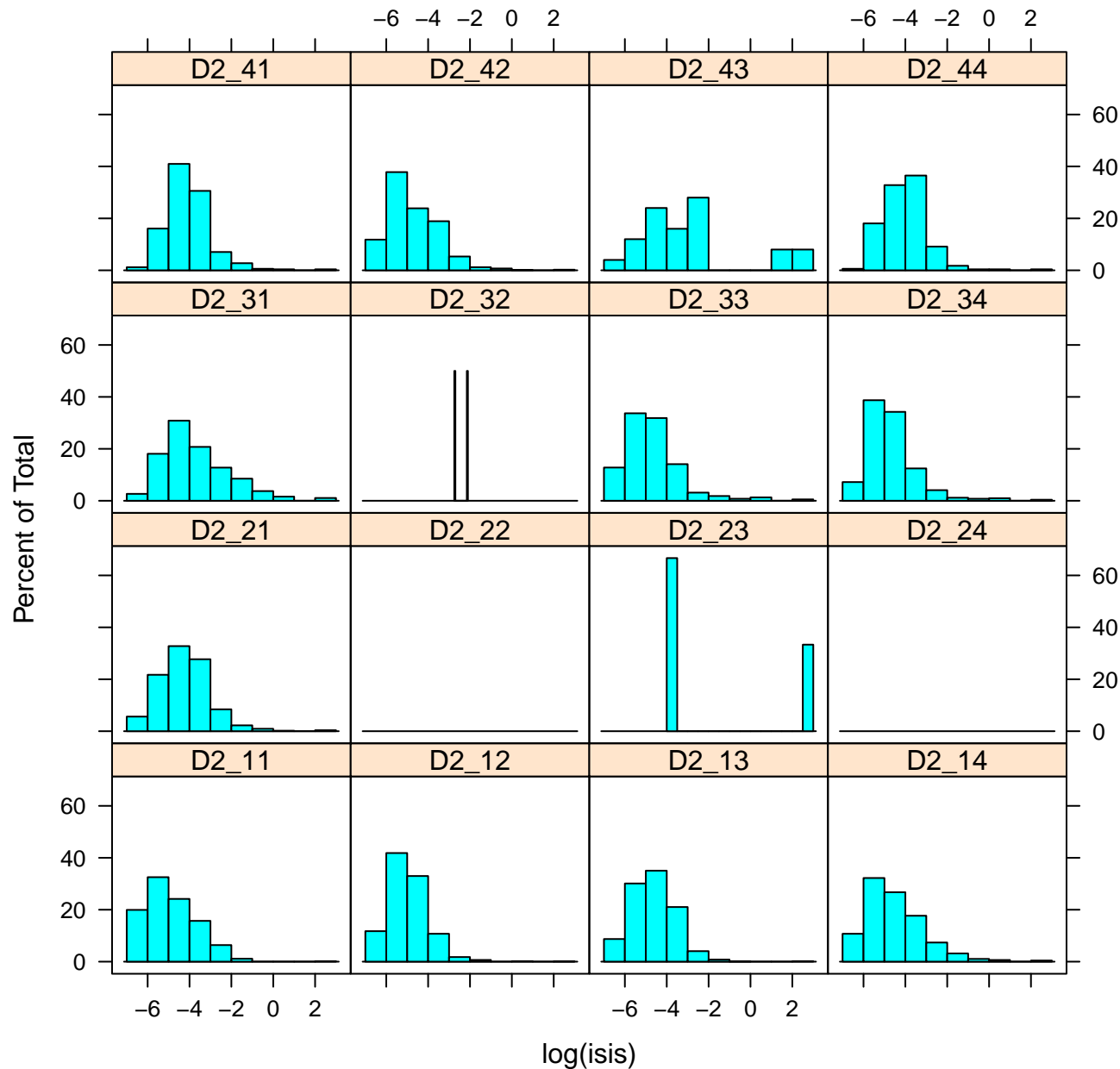# log(ISIs) histogram plot for C6

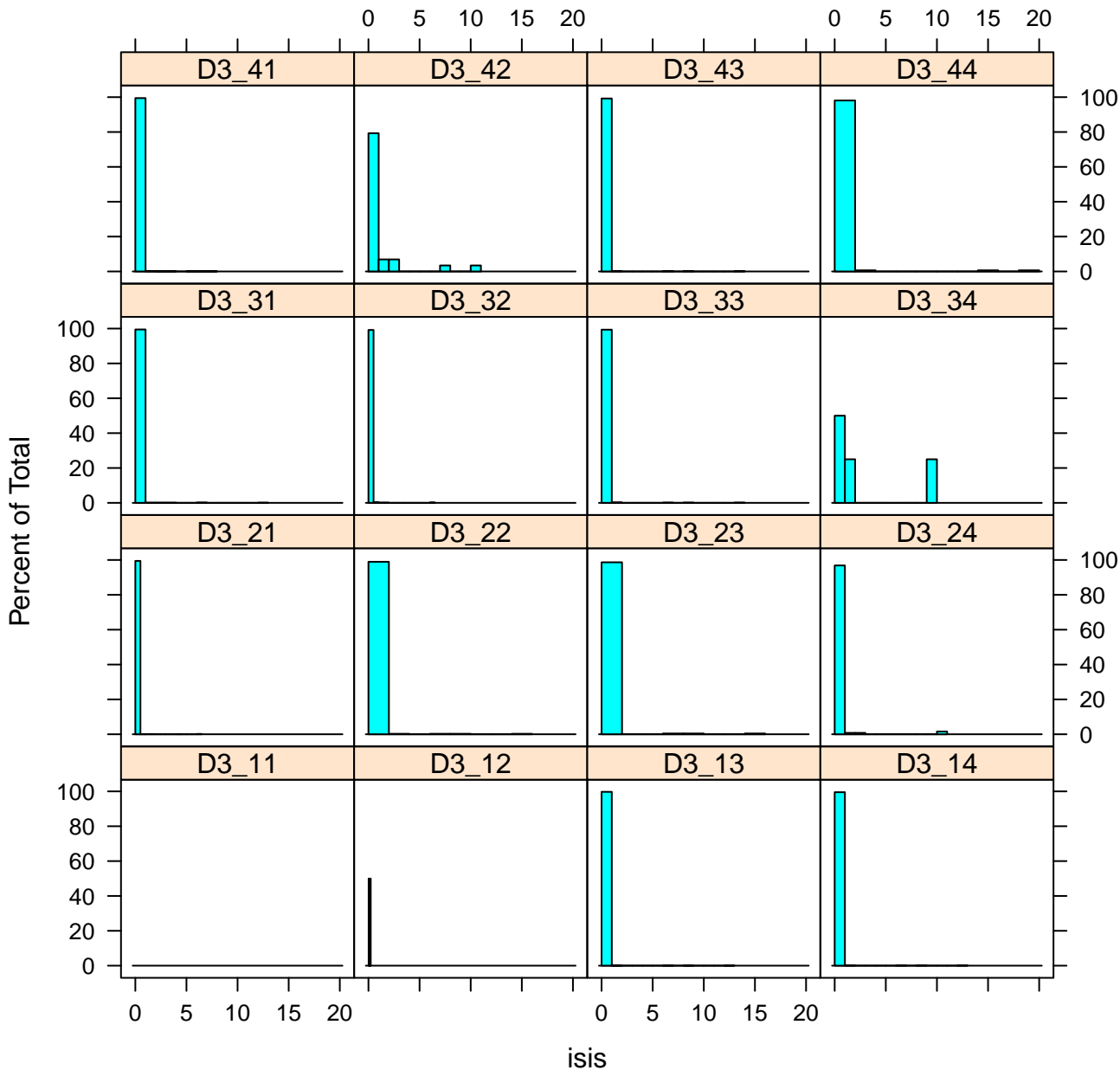# ISIs histogram plot for C7

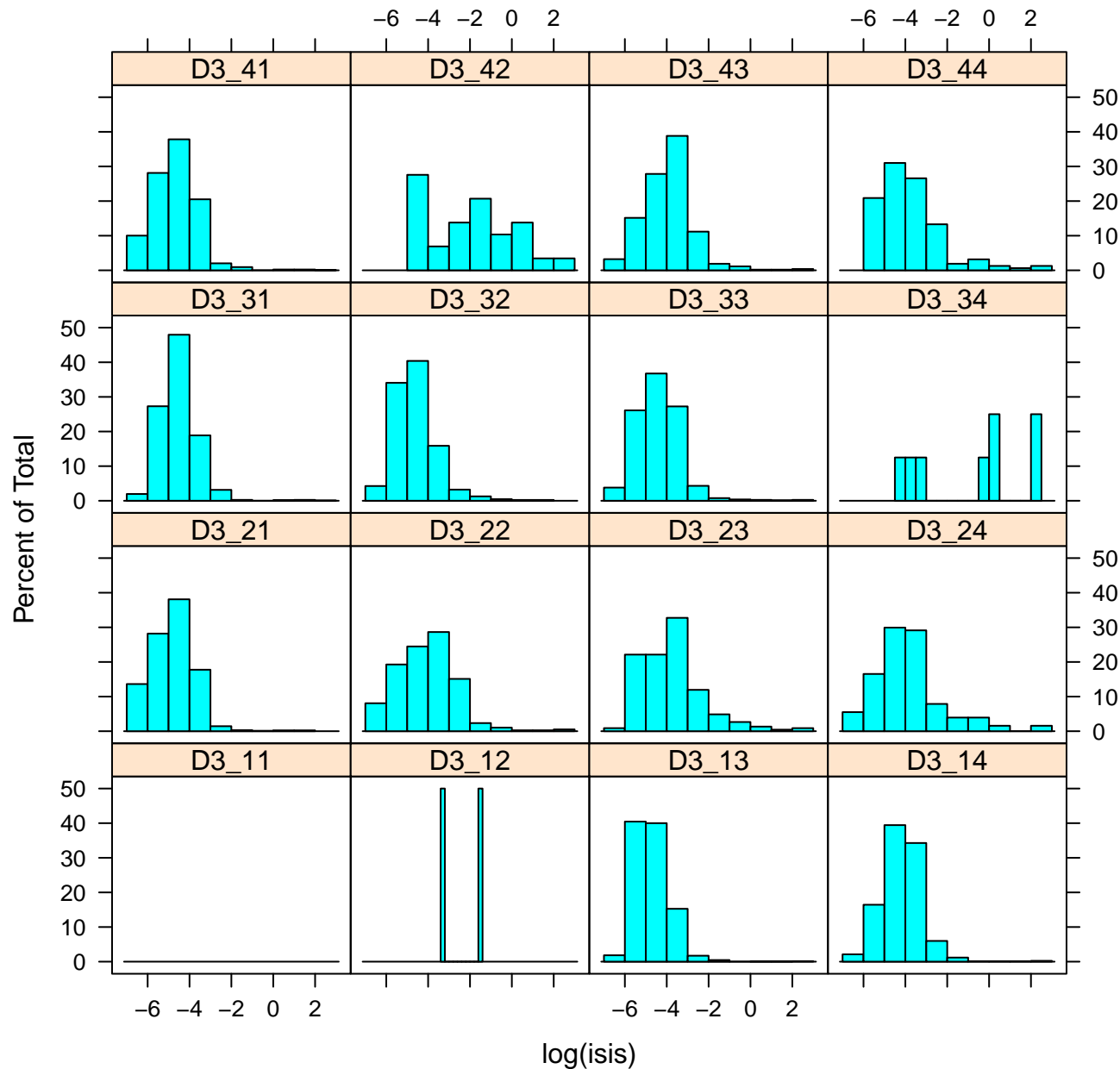**log(ISIs) histogram plot for C7**

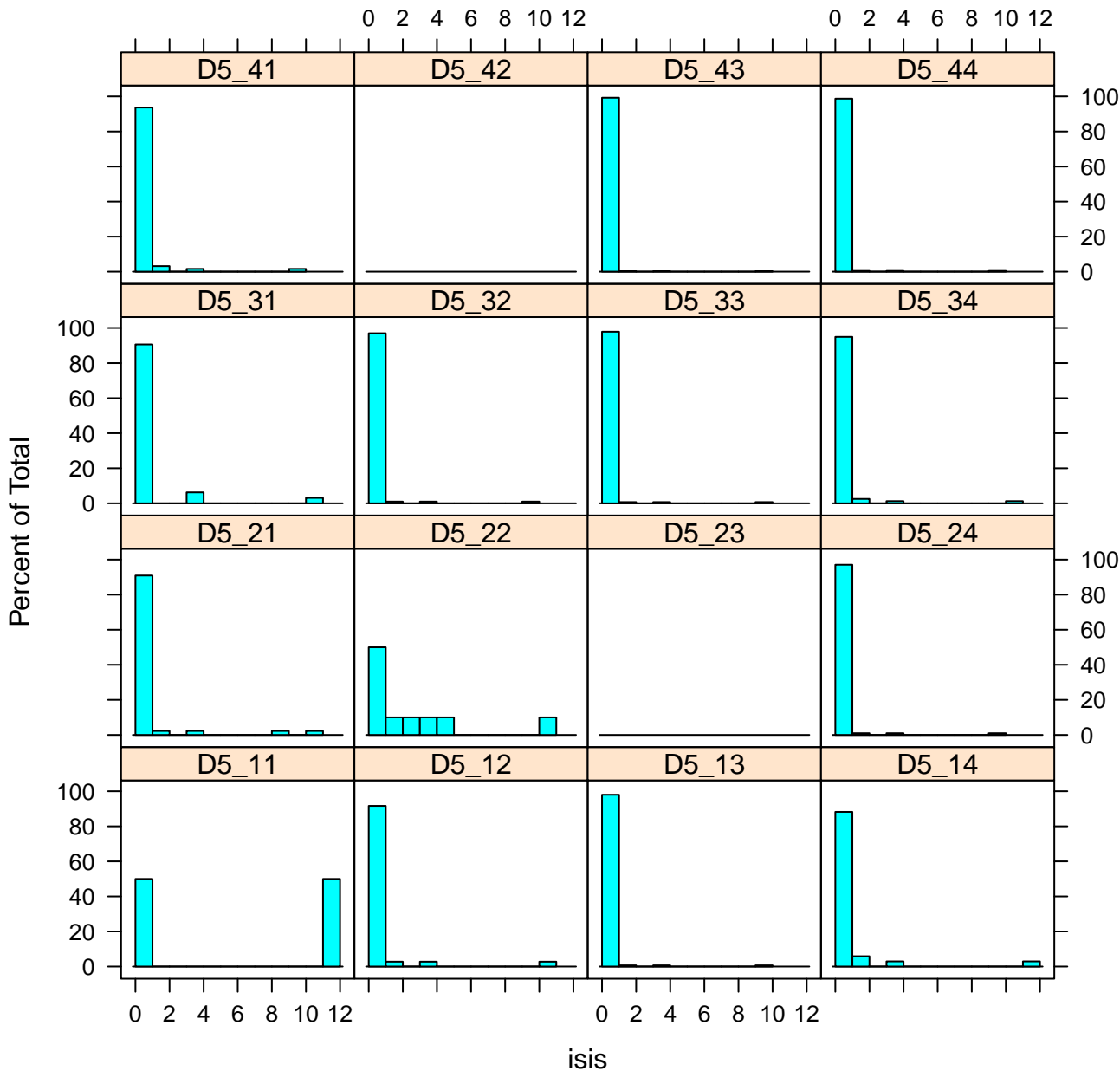**ISIs histogram plot for D2**

log(ISIs) histogram plot for D2
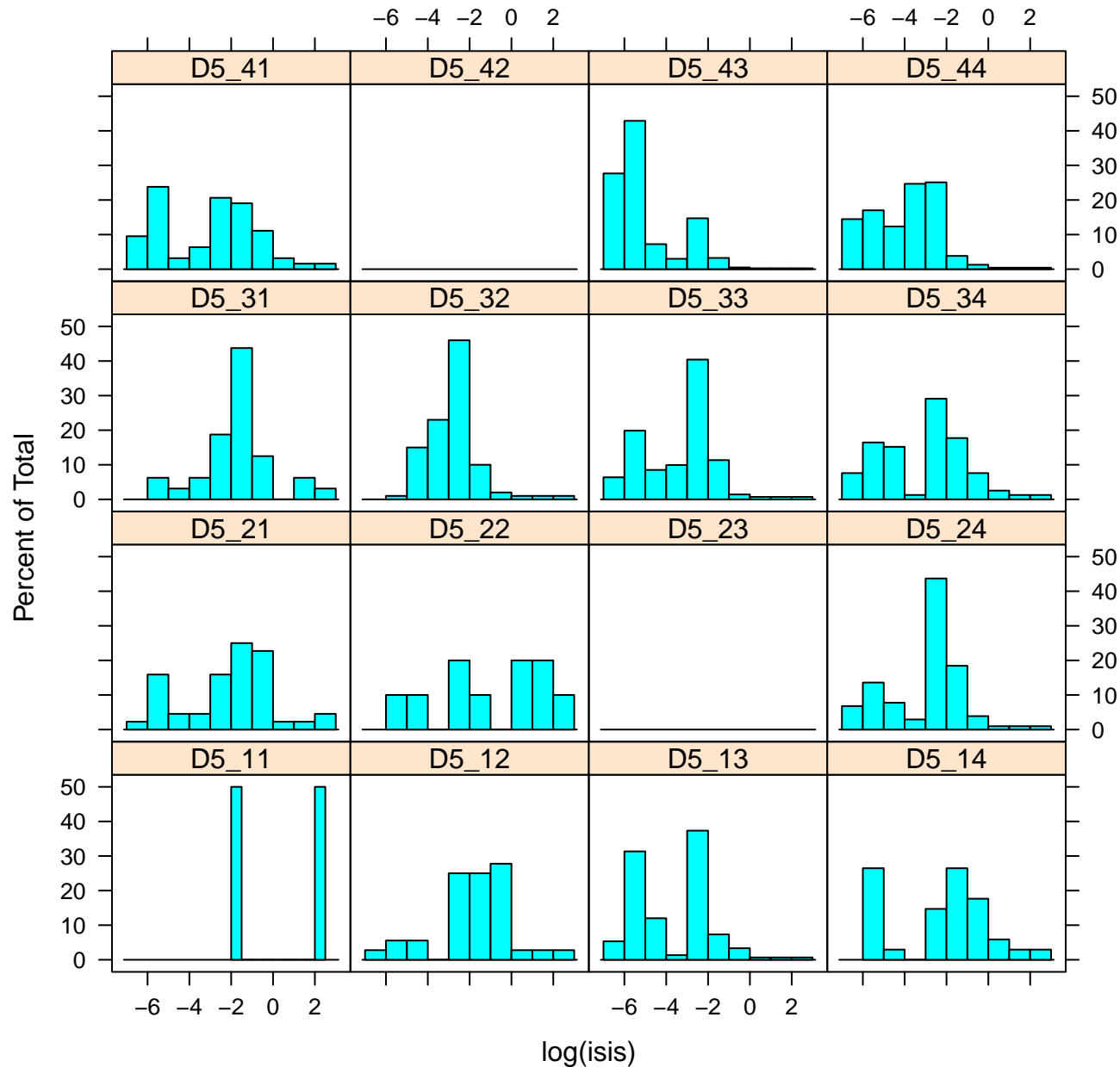
ISIs histogram plot for D3
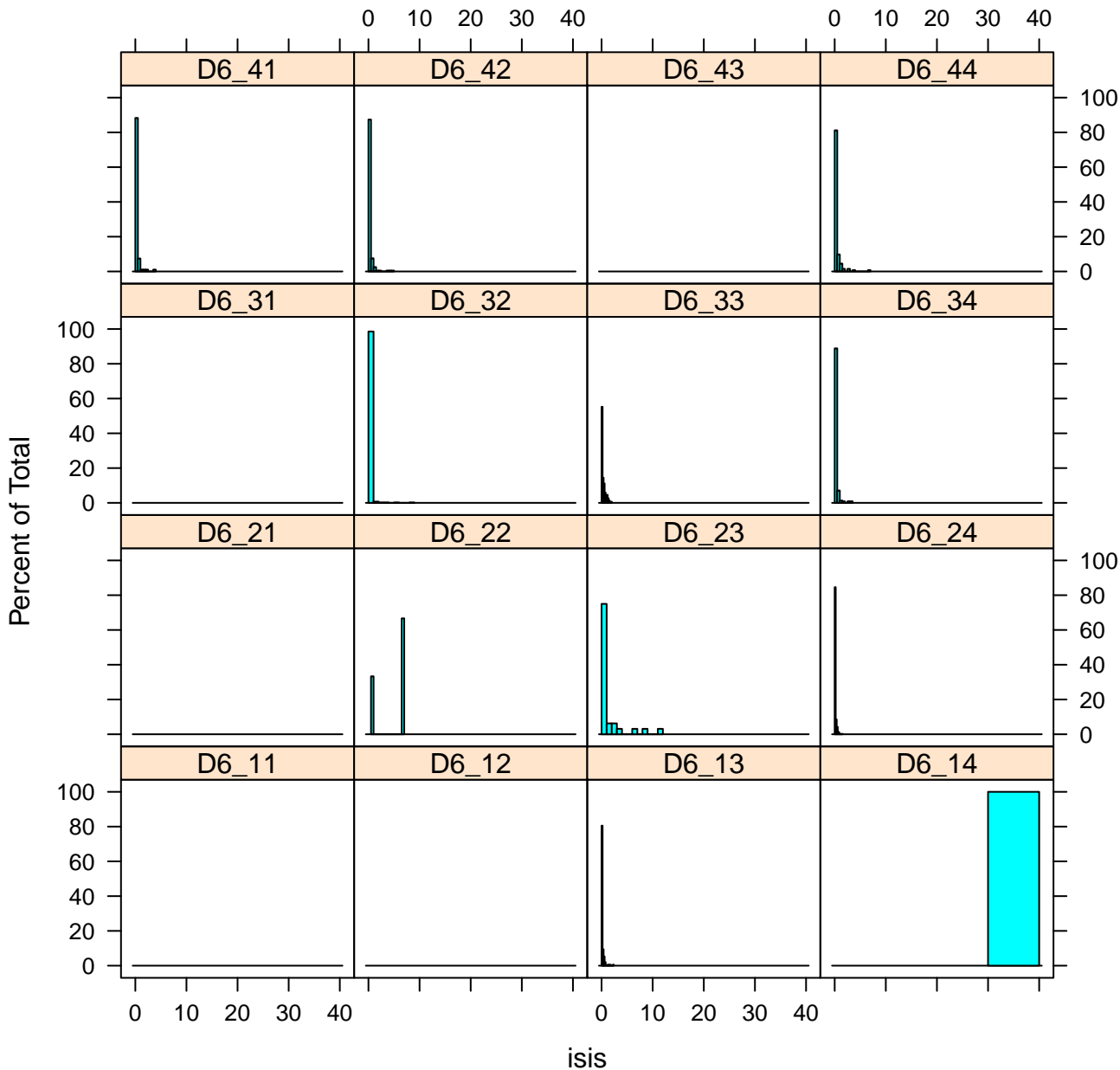
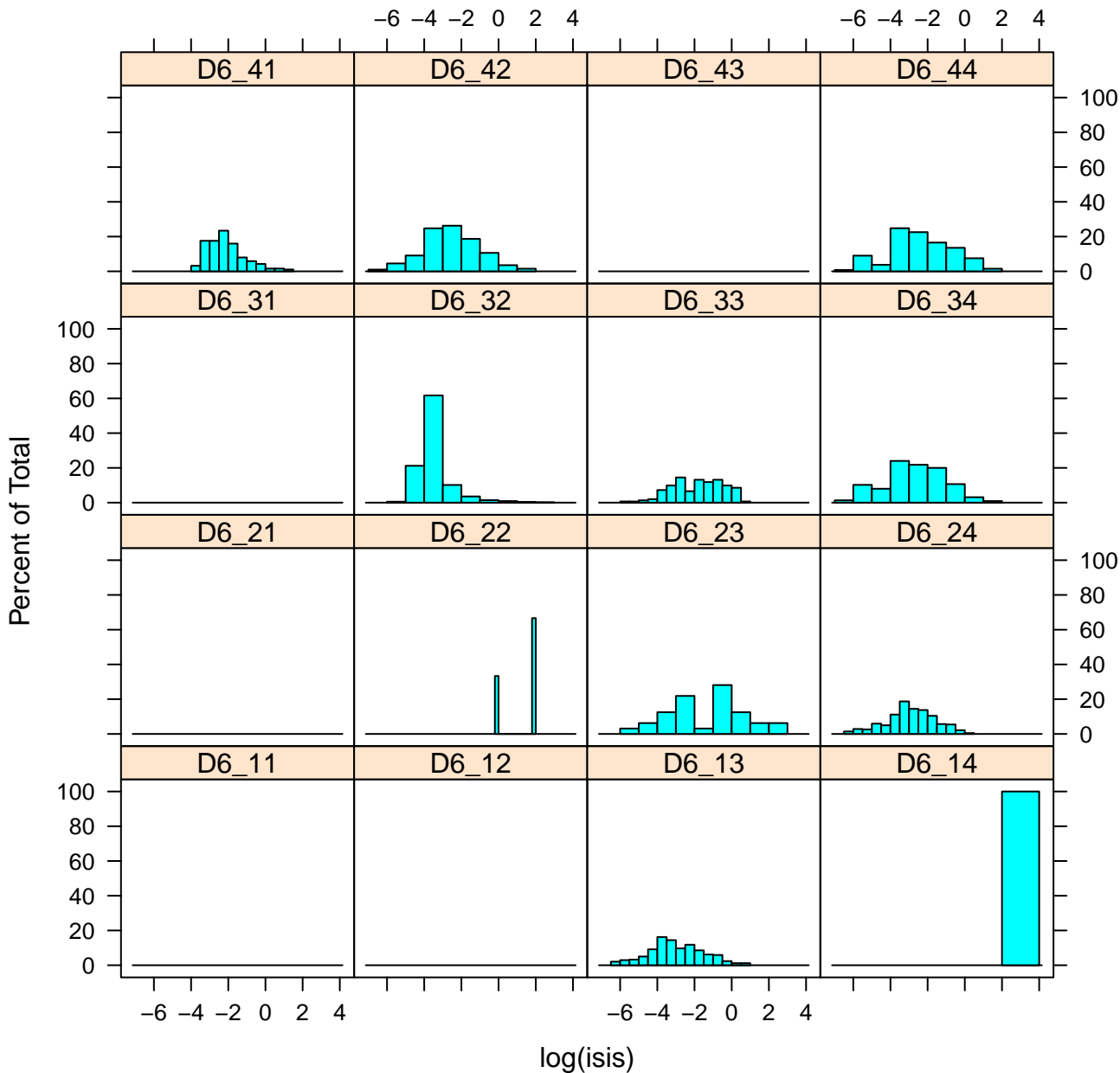log(ISIs) histogram plot for D3

ISIs histogram plot for D5

log(ISIs) histogram plot for D5

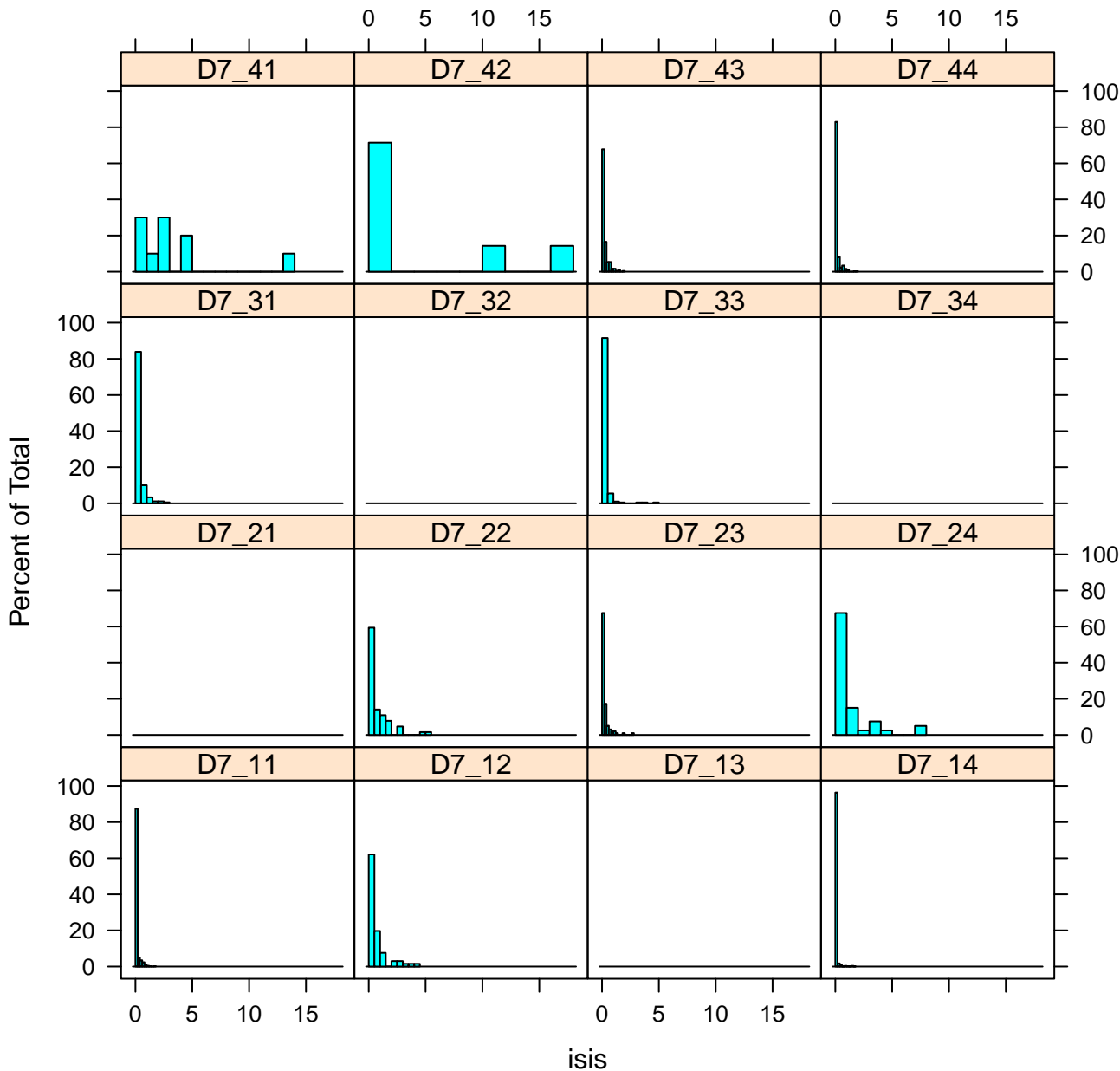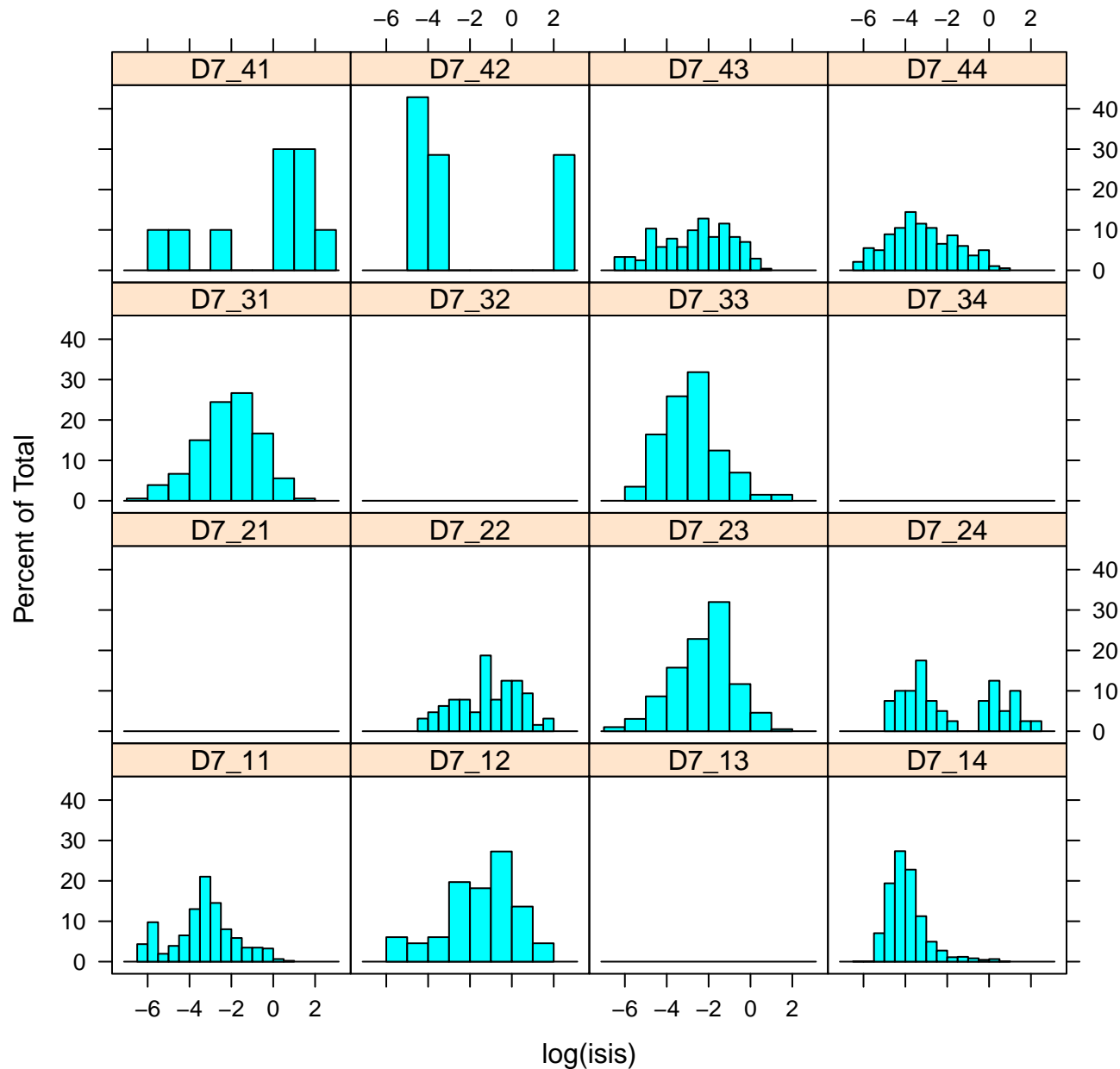ISIs histogram plot for D6
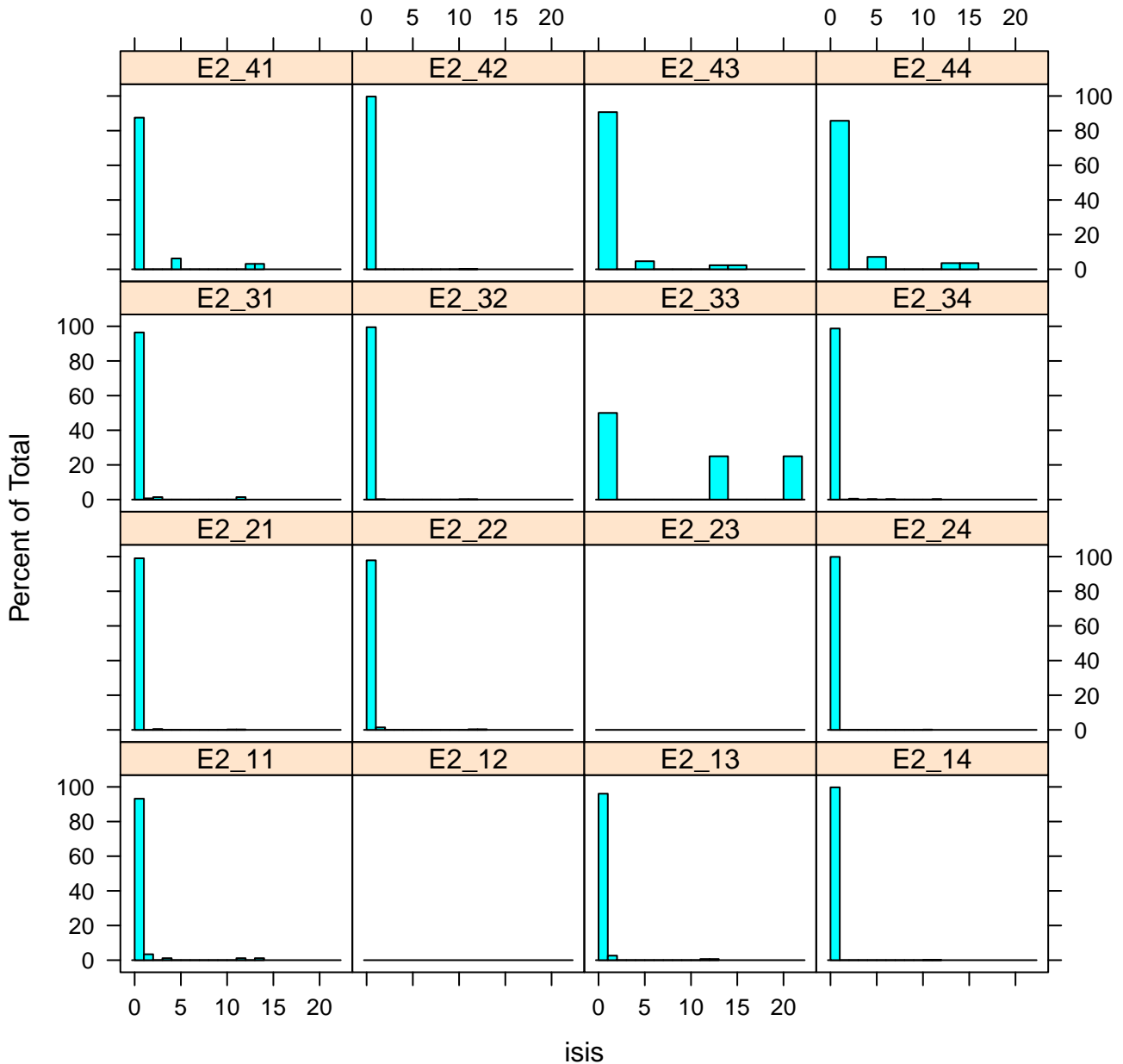
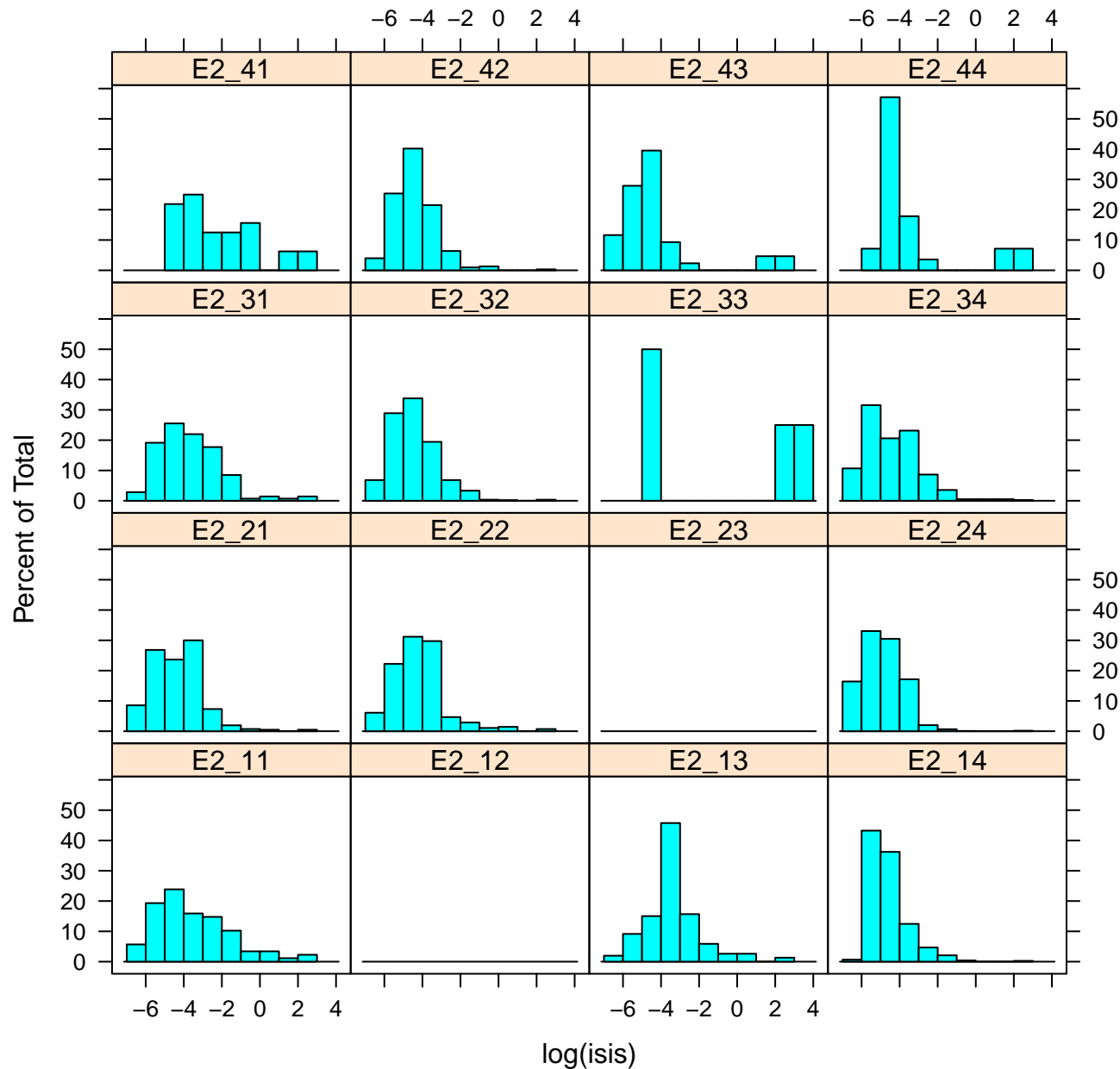log(ISIs) histogram plot for D6

ISIs histogram plot for D7
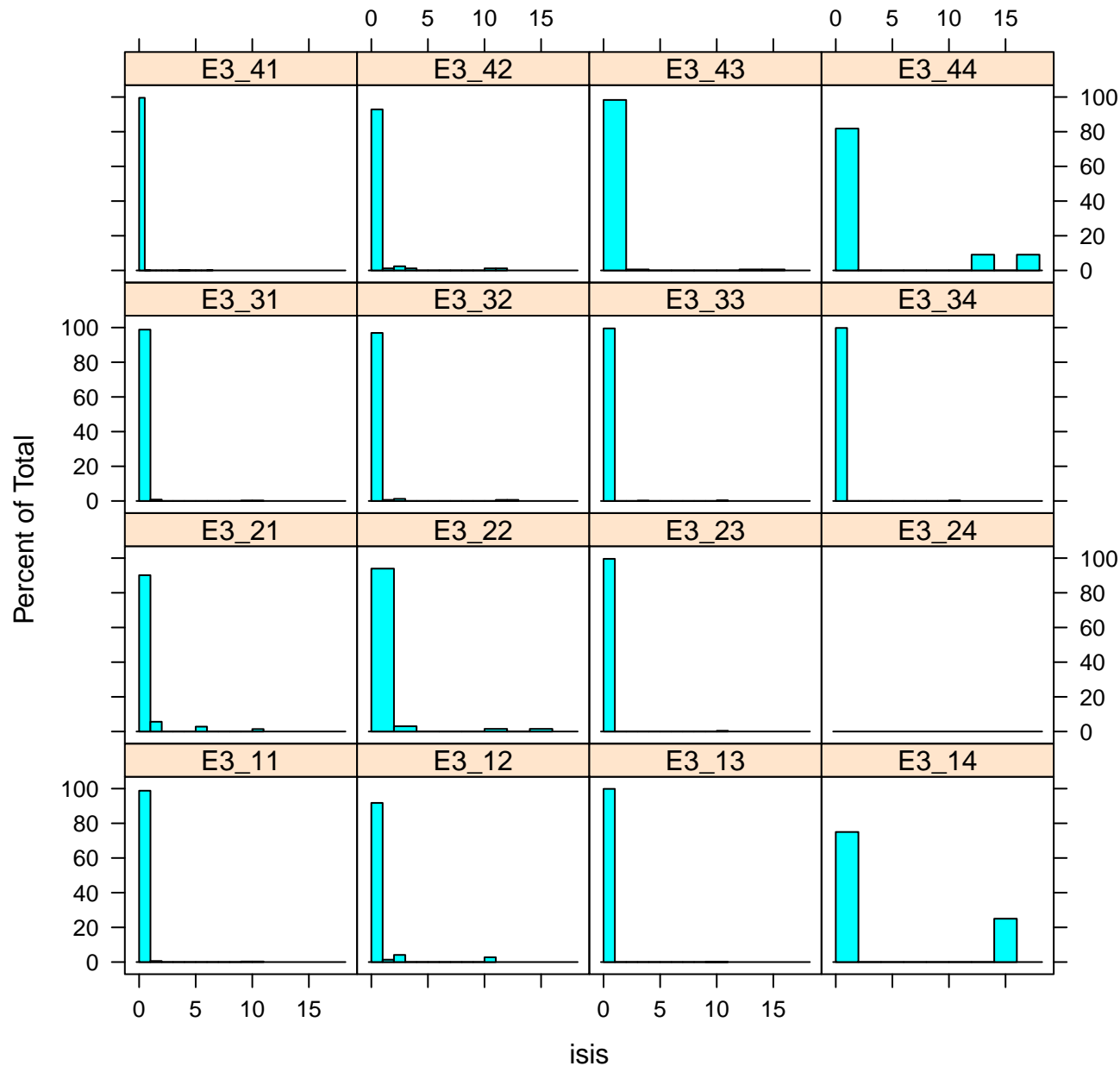
log(ISIs) histogram plot for D7

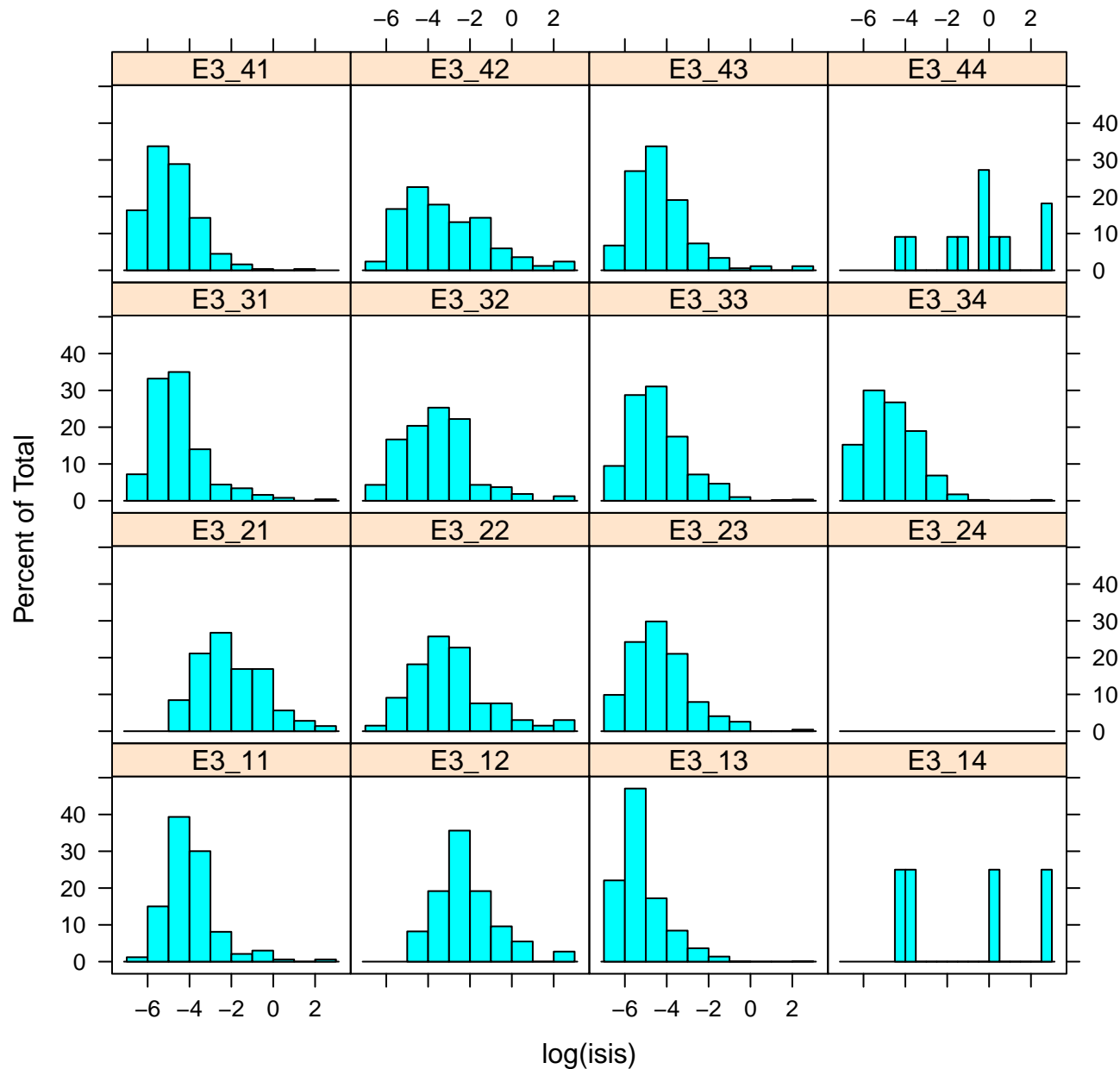**ISIs histogram plot for E2**

log(ISIs) histogram plot for E2
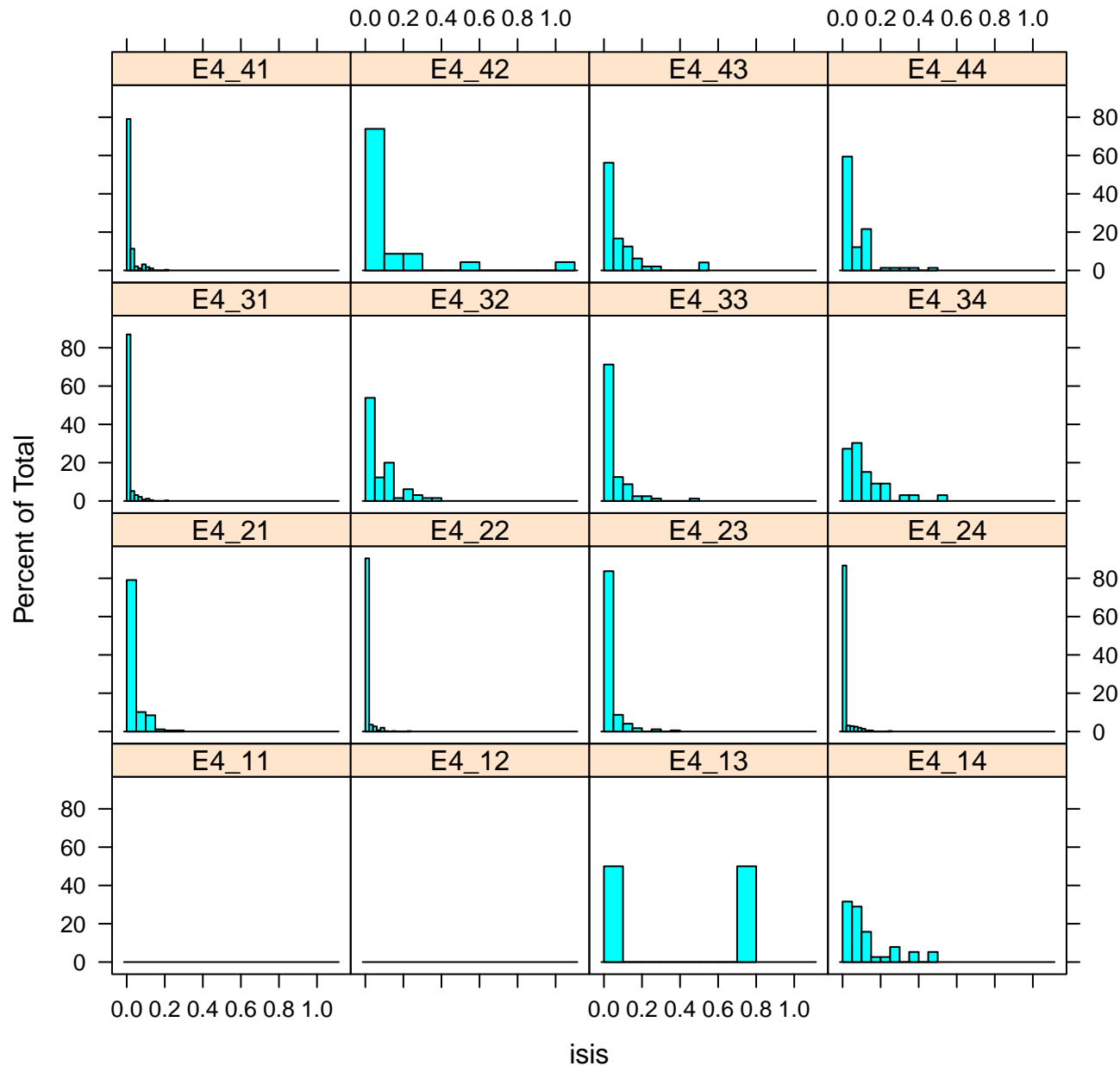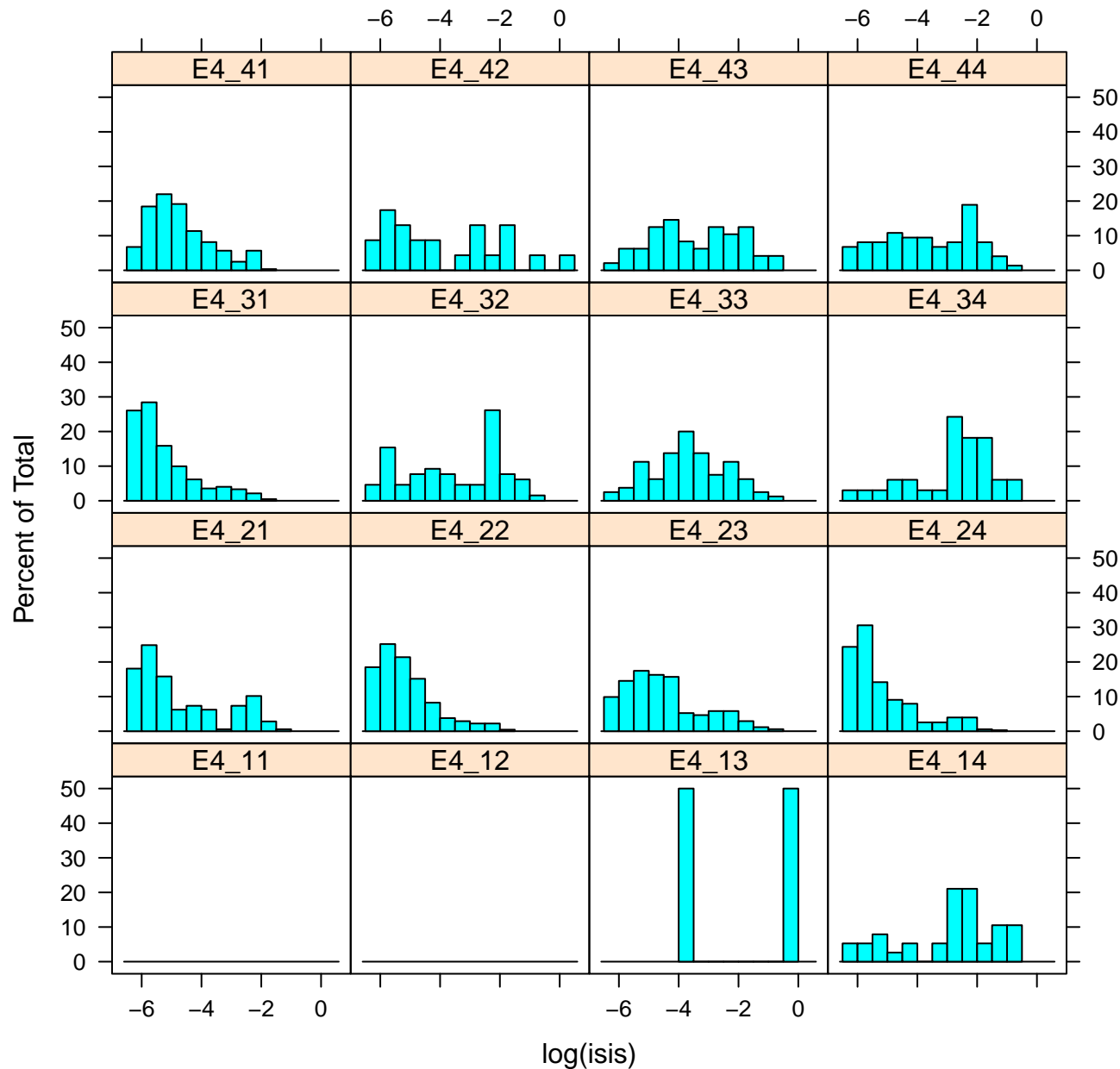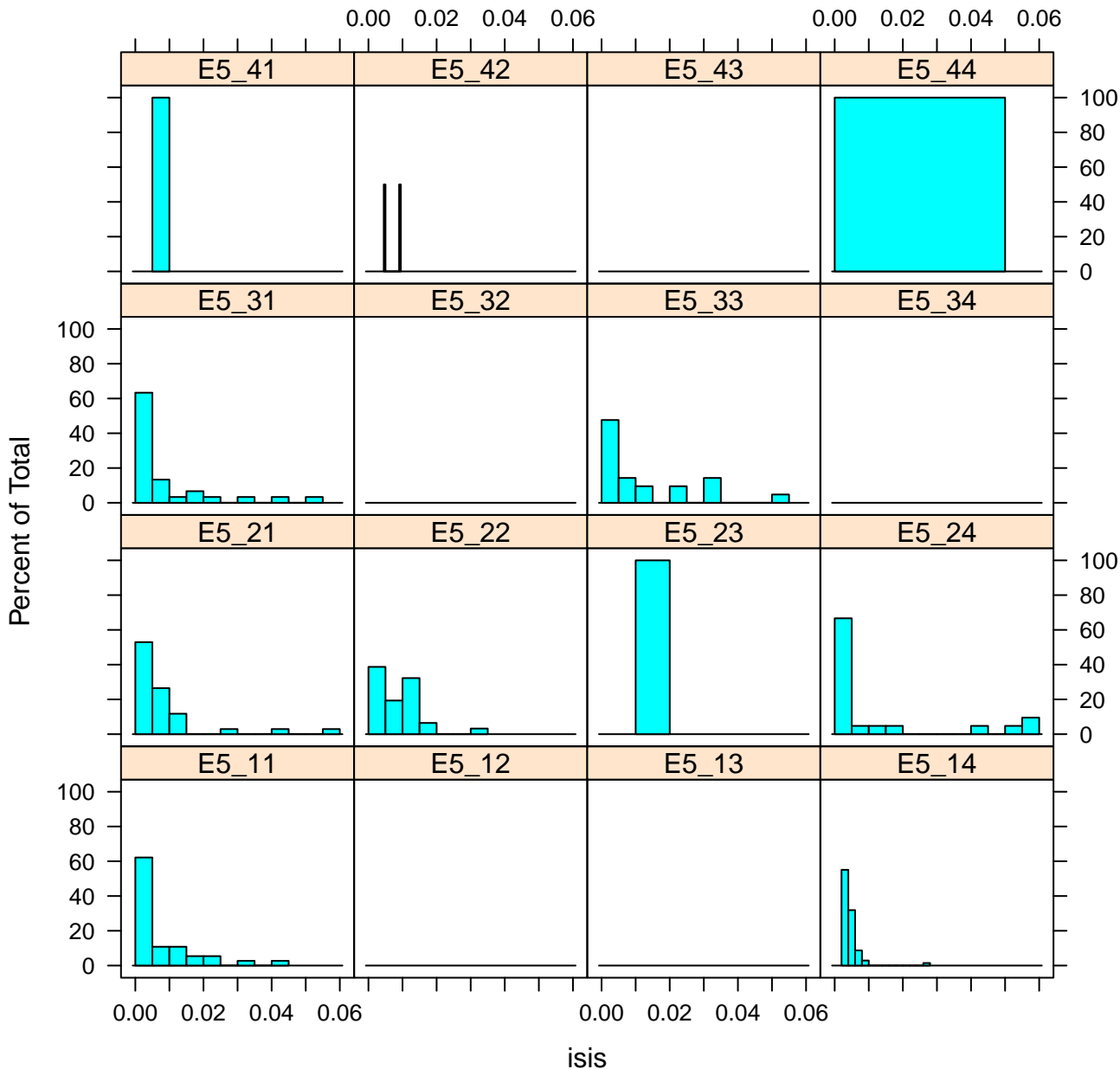
ISIs histogram plot for E3
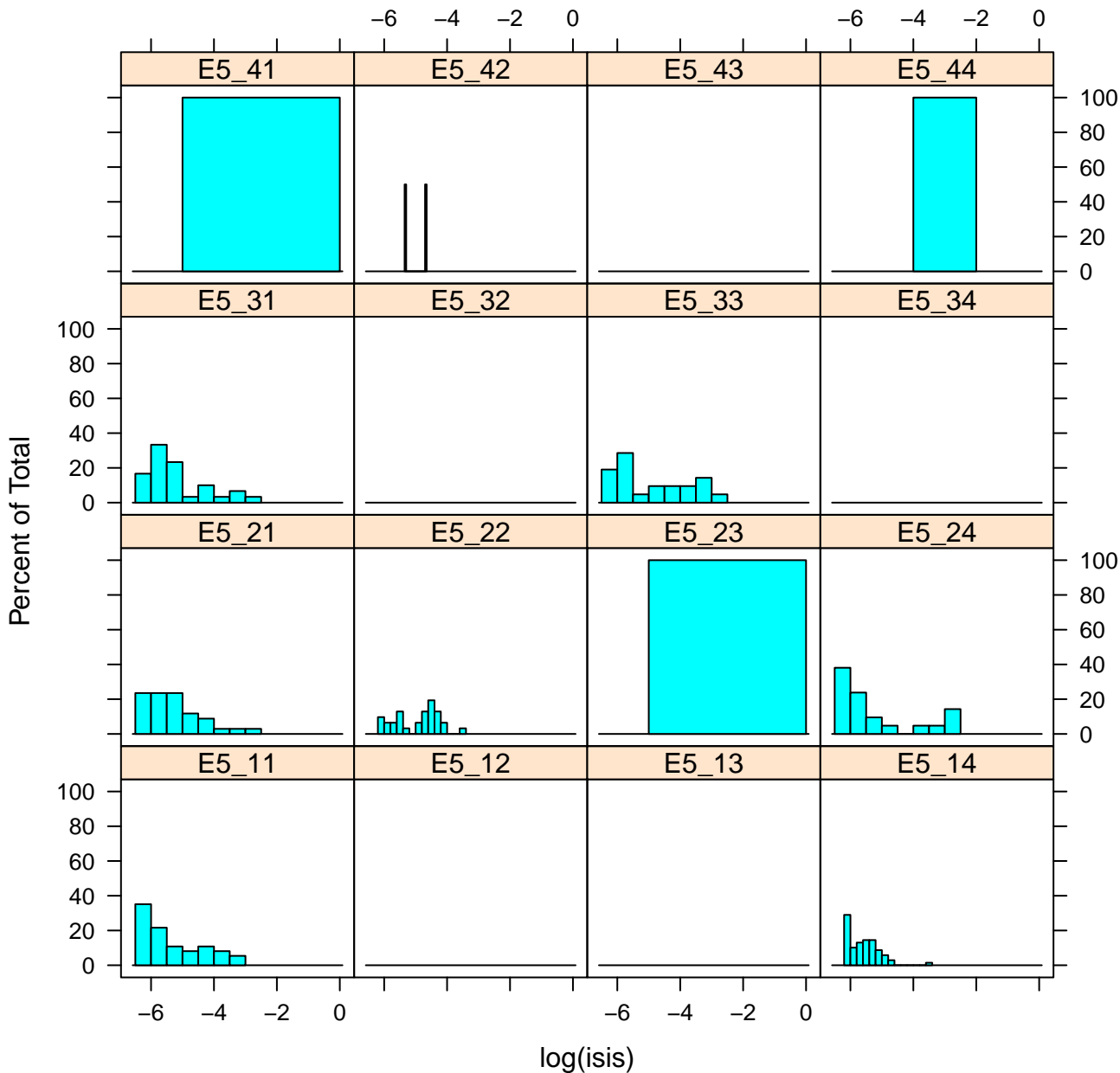
log(ISIs) histogram plot for E3

ISIs histogram plot for E4
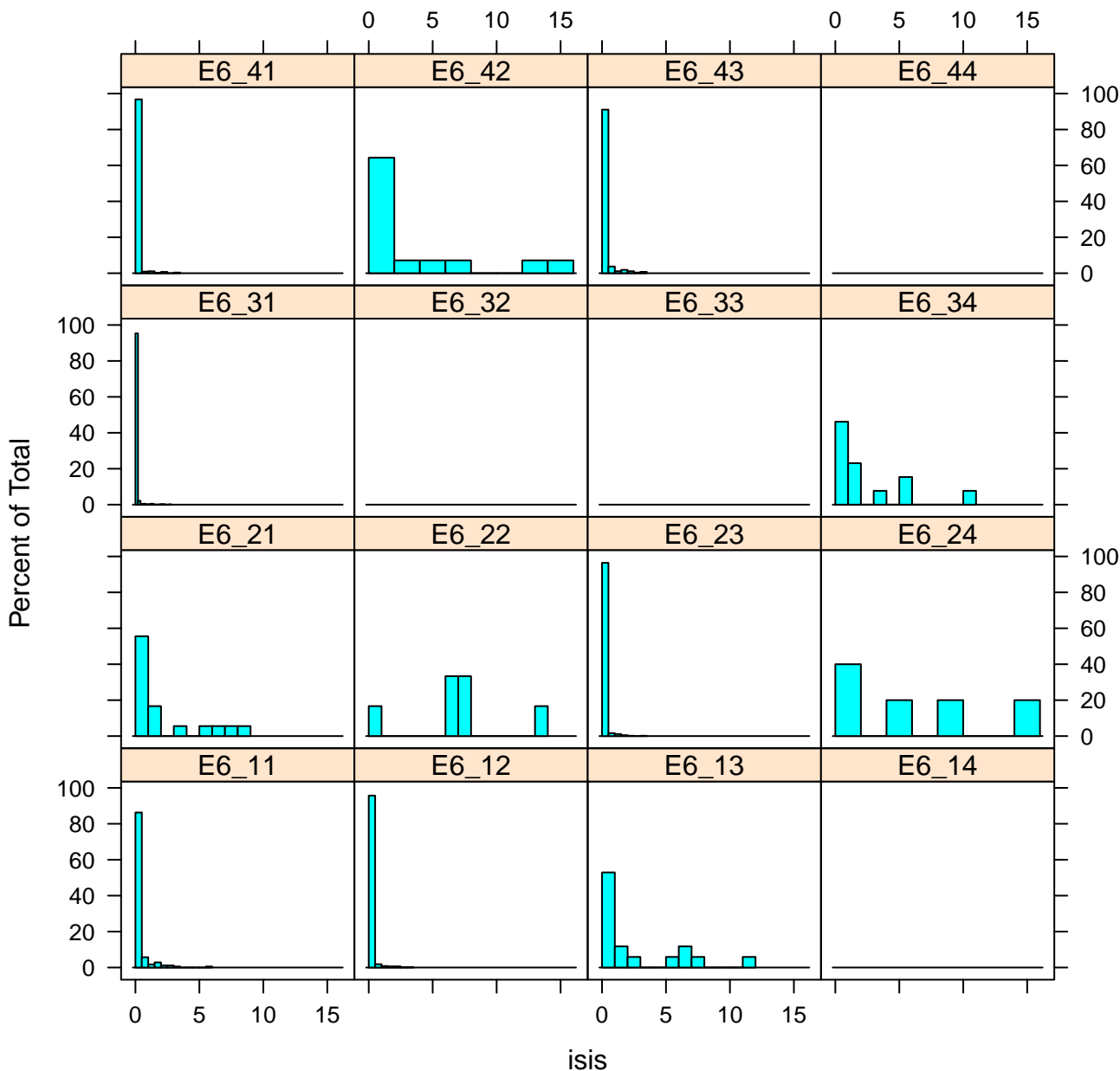
log(ISIs) histogram plot for E4
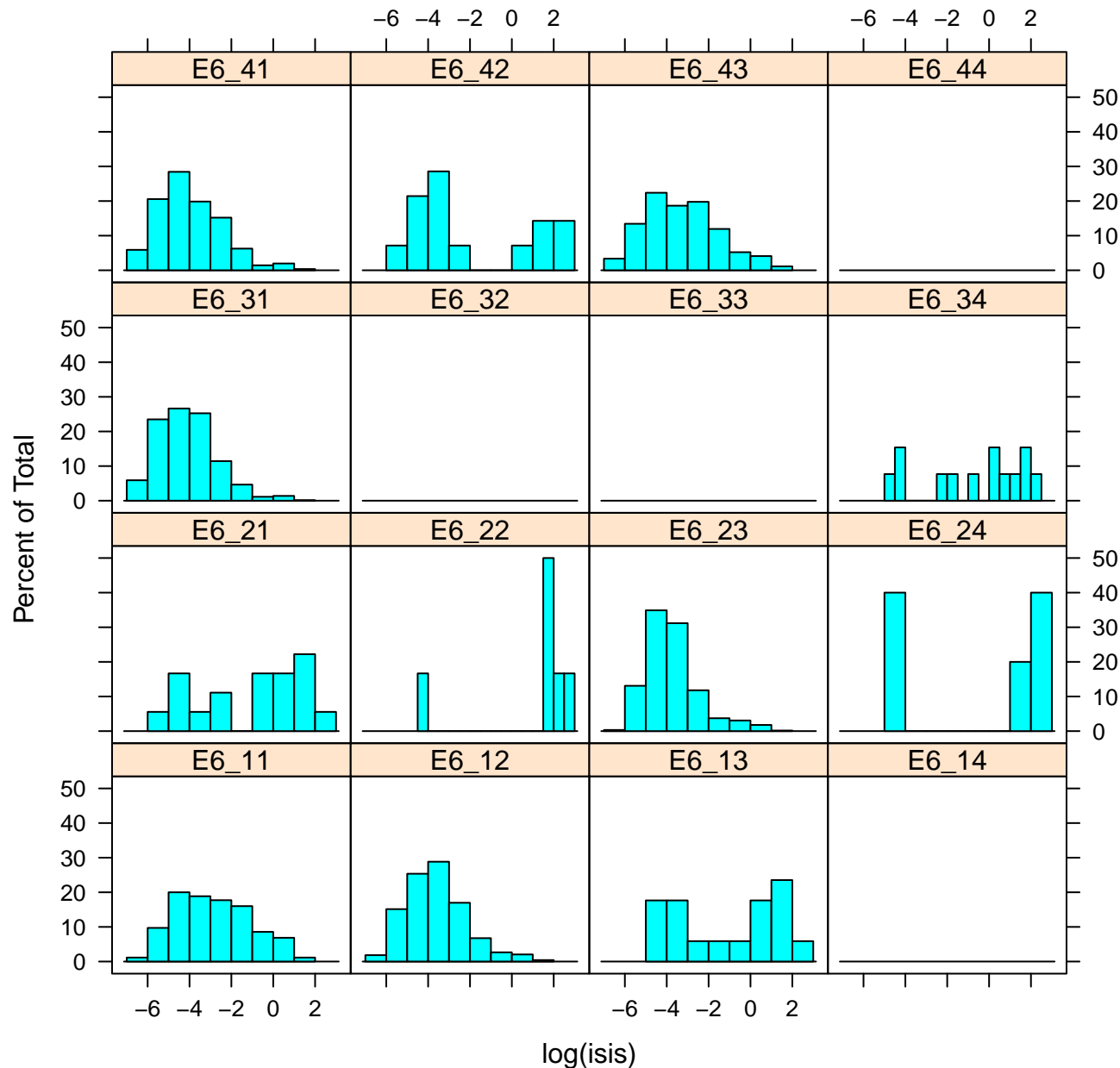
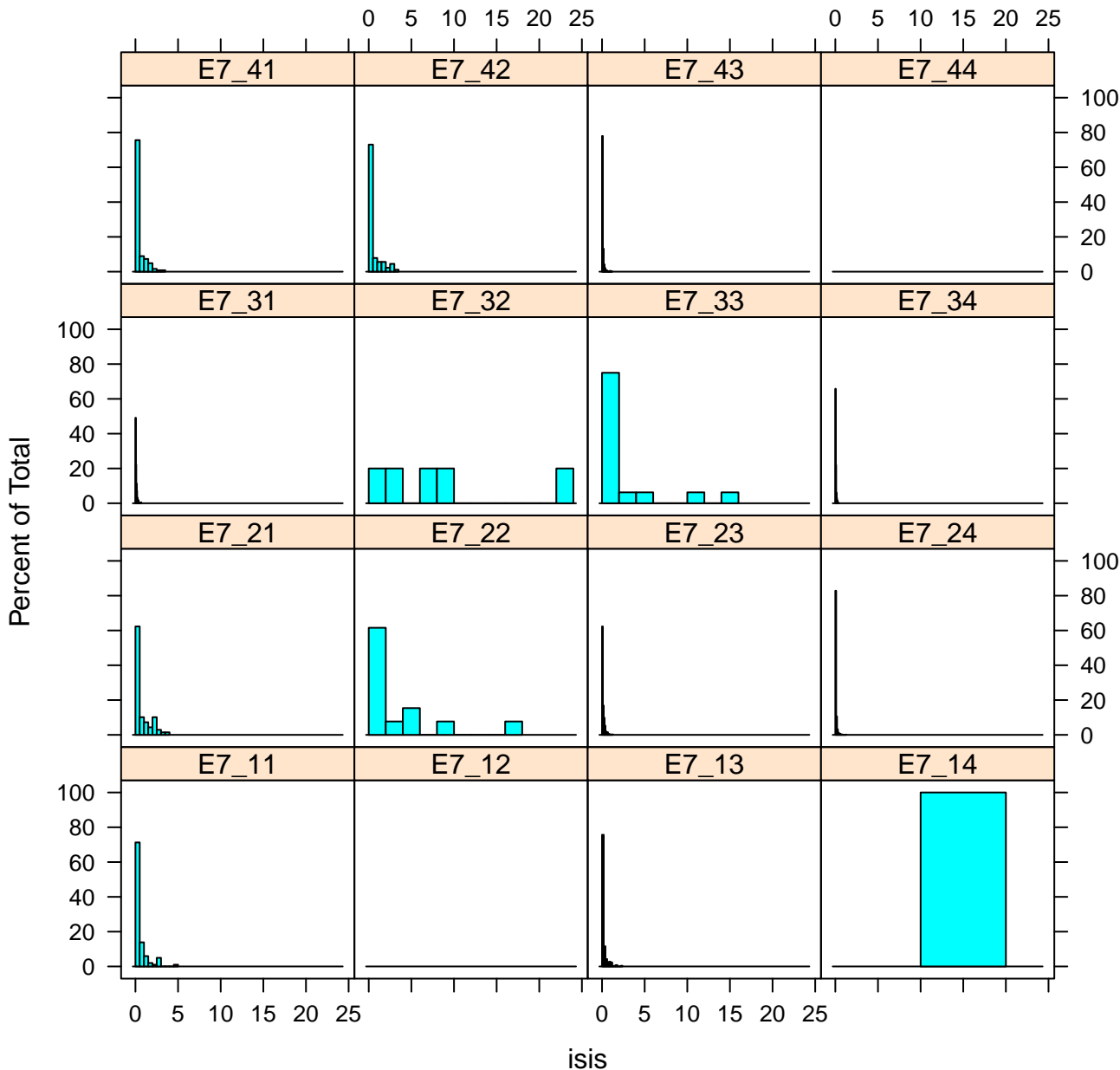# ISIs histogram plot for E5

log(ISIs) histogram plot for E5

ISIs histogram plot for E6

log(ISIs) histogram plot for E6

ISIs histogram plot for E7

log(ISIs) histogram plot for E7