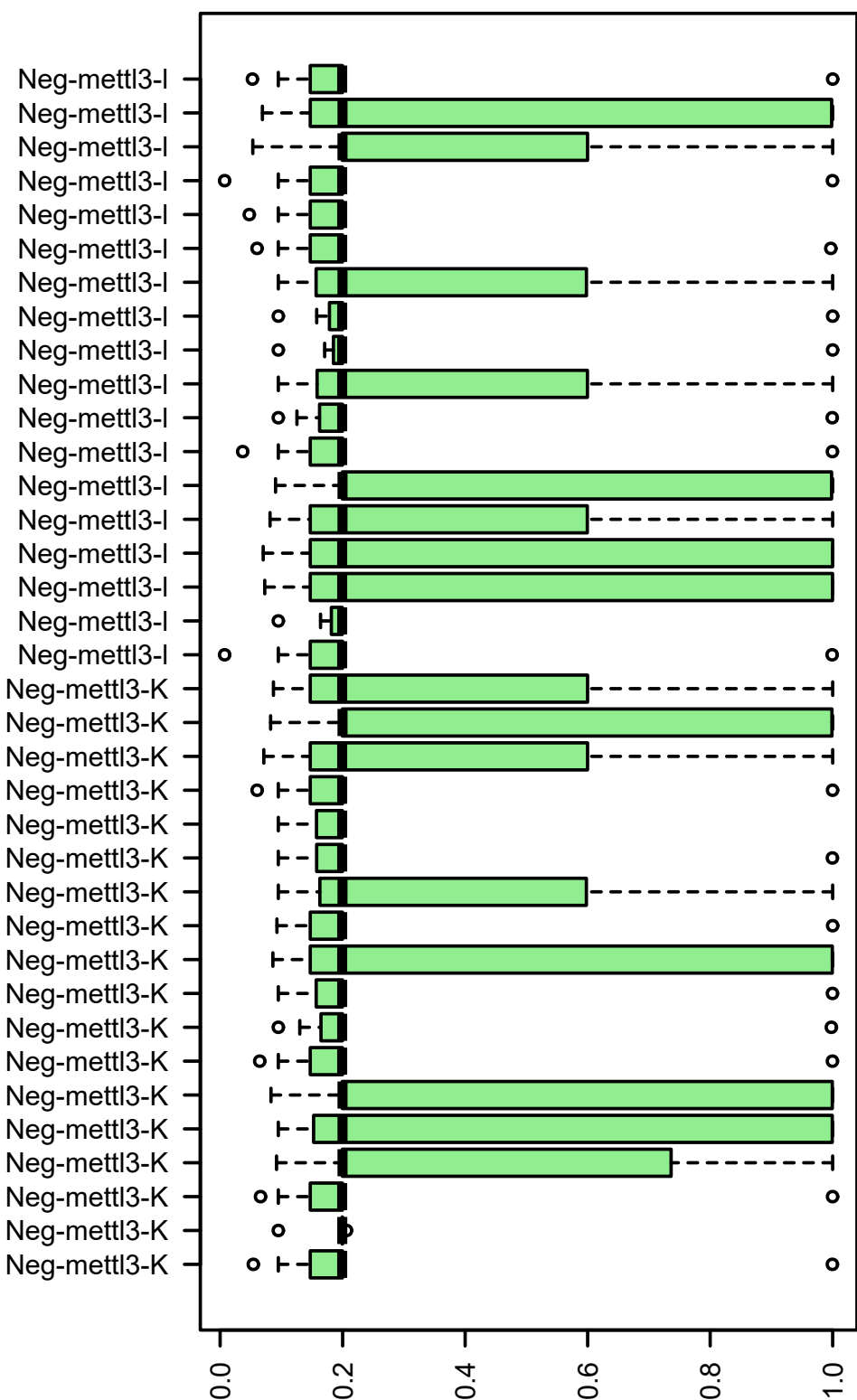Before Normalization

After Normalization

Density

Intensity

Normalized Intensity