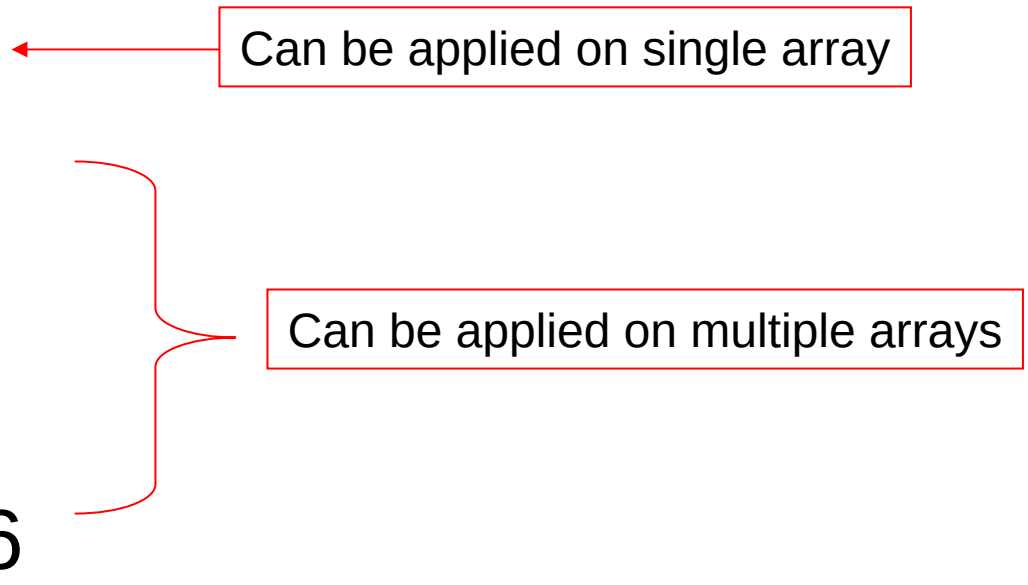
Array Track

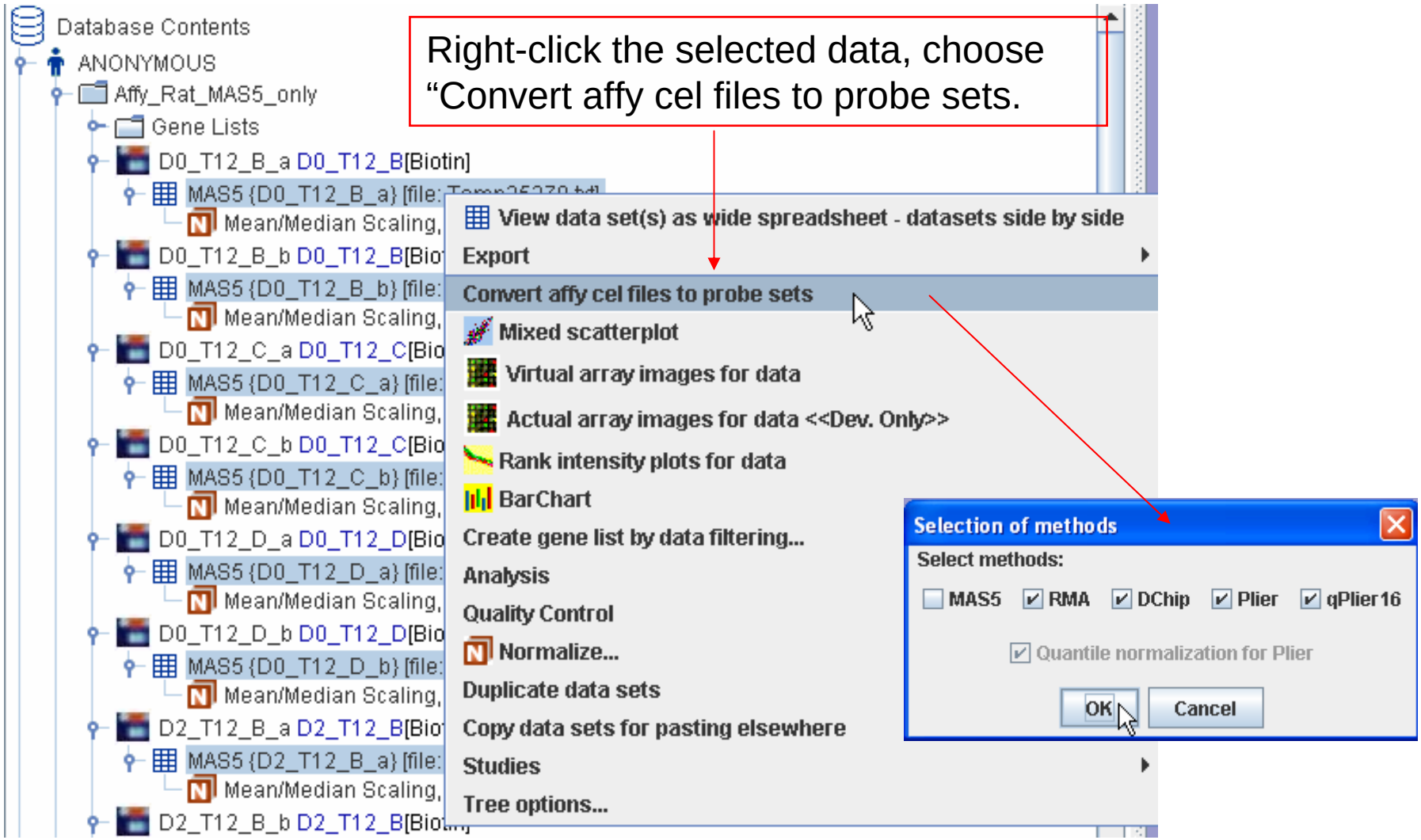
Tutorial 7: Normalization Methods

Normalization methods for Affymetrix data

- MAS 5
- RMA
- DChip
- Plier
- Plier +16



Normalization methods for Affymetrix data - continued



Normalization methods for Affymetrix data - continued

The converted probe sets files will be shown under the experiment.

Other normalization methods

The following methods are for one and/or two channels

- Lowess
- Total intensity norm
- Linear Lowess
- GenePix Mean Log ratio
- Mean/Median scaling
- Ref Avg Comp
- Quantile

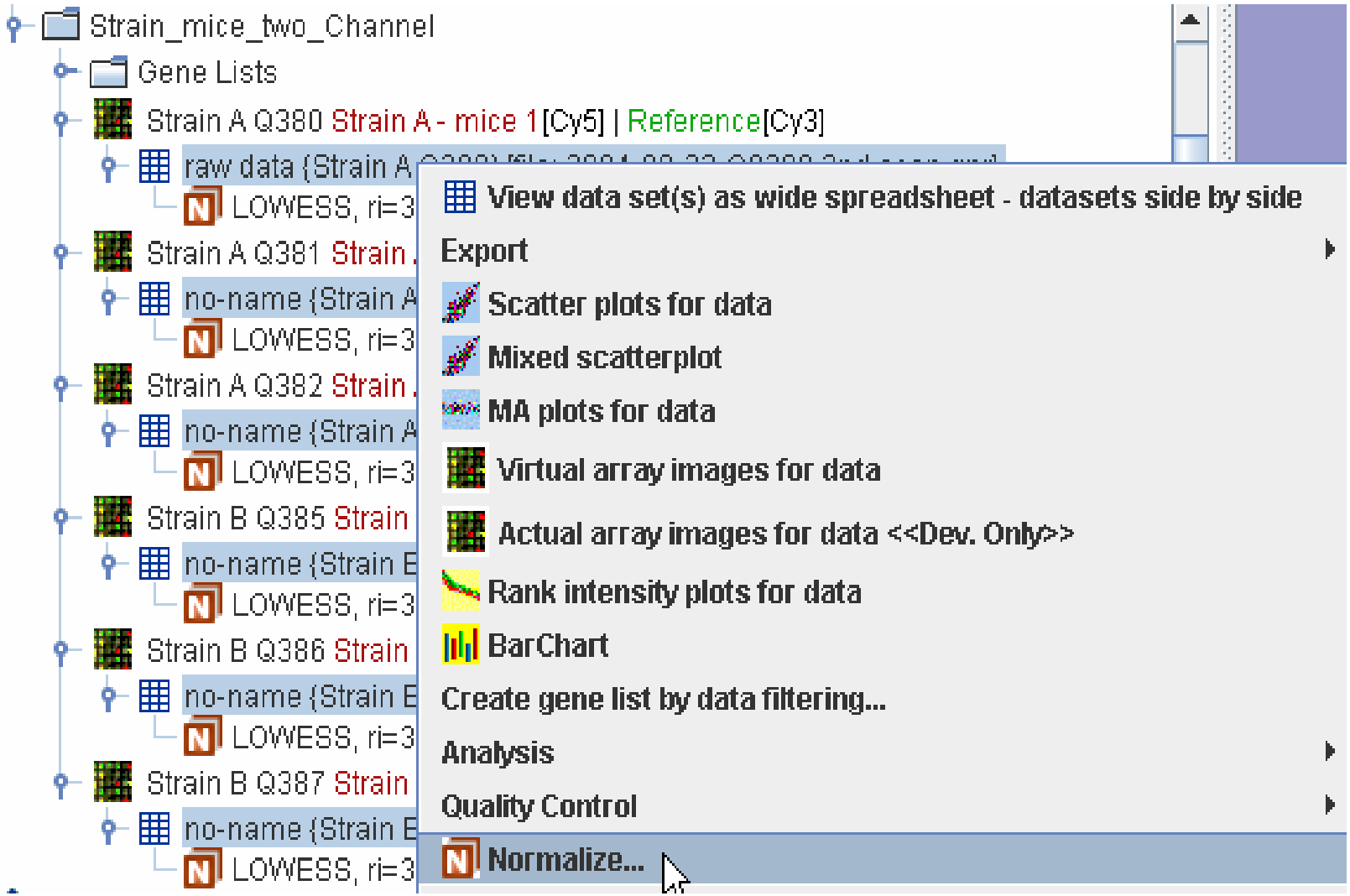
For 2 channel only

For either 1 or 2 channel

For 1 channel only

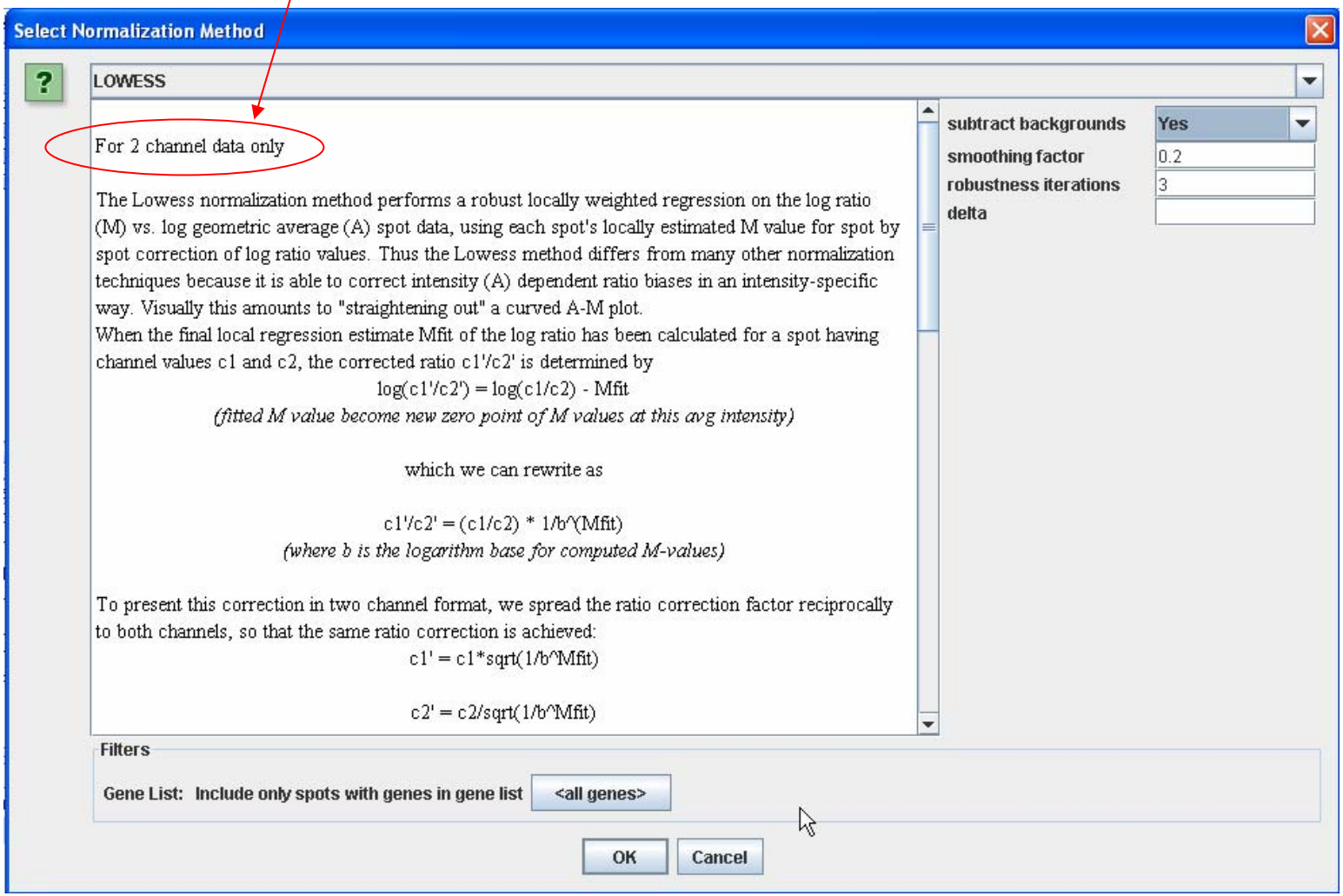
Normalize Data

Select the data, right-click, choose “Normalize…”

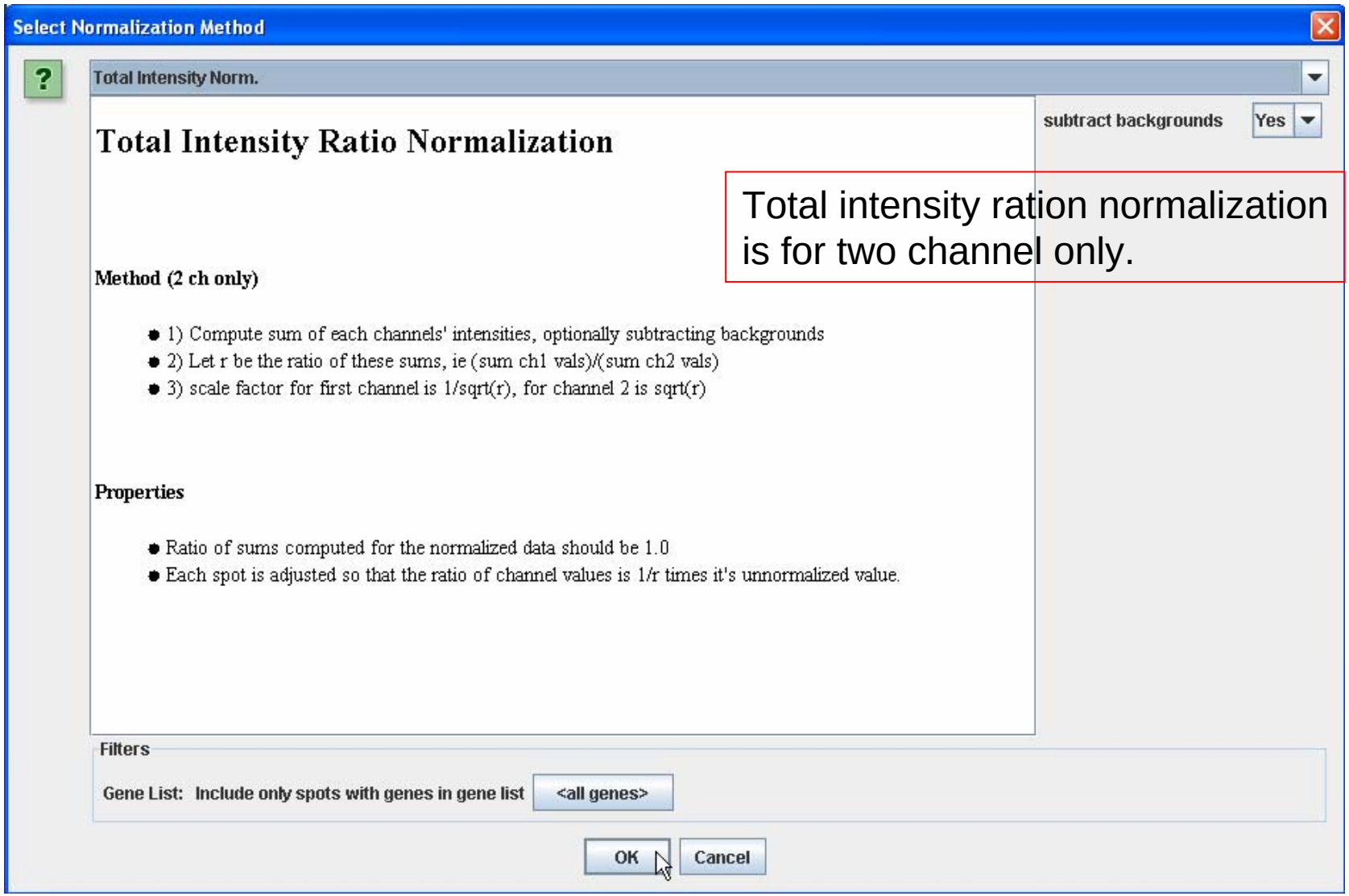


Lowess

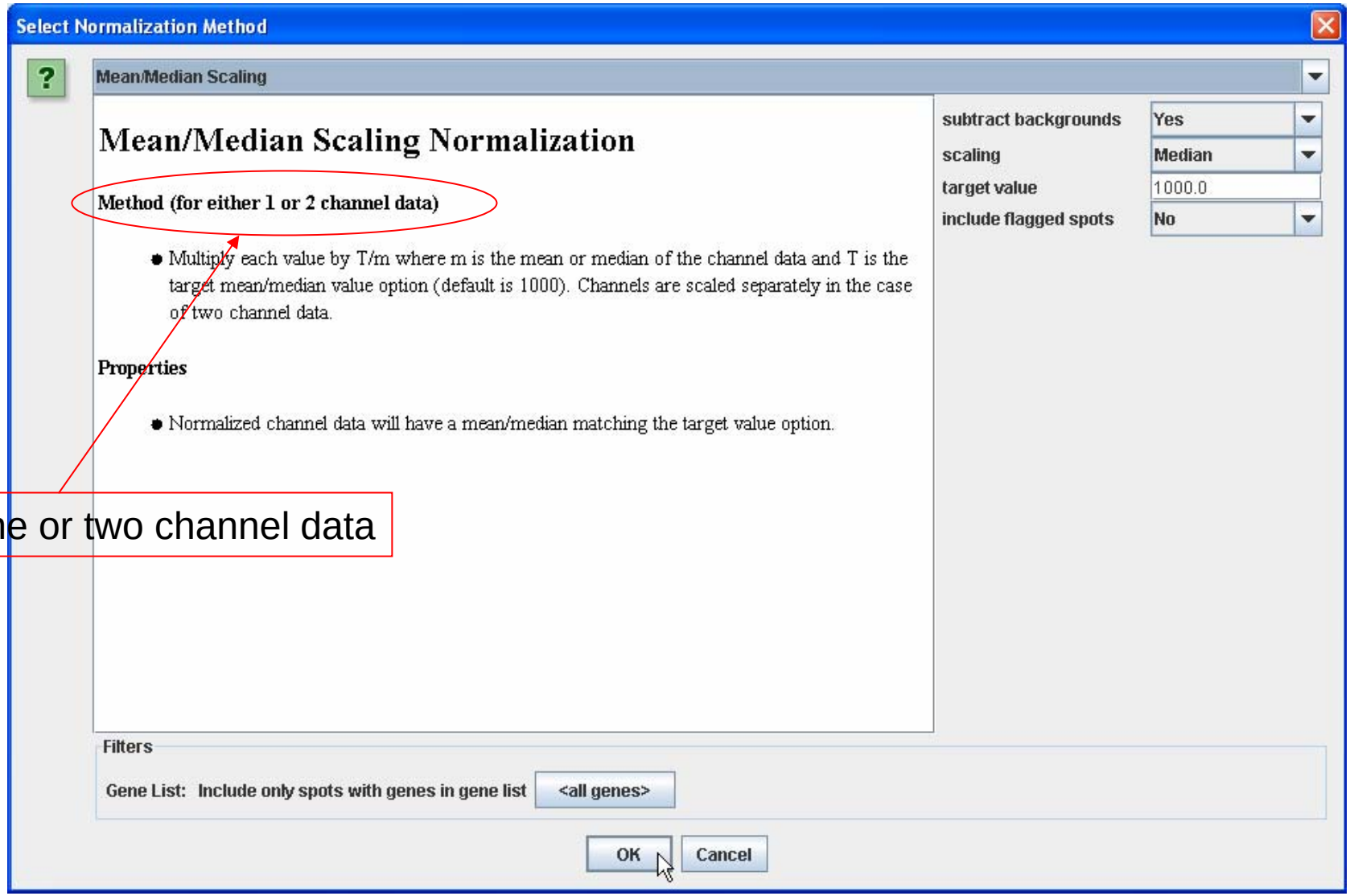
Lowess is for two channel data only.



Total Intensity Ratio Normalization



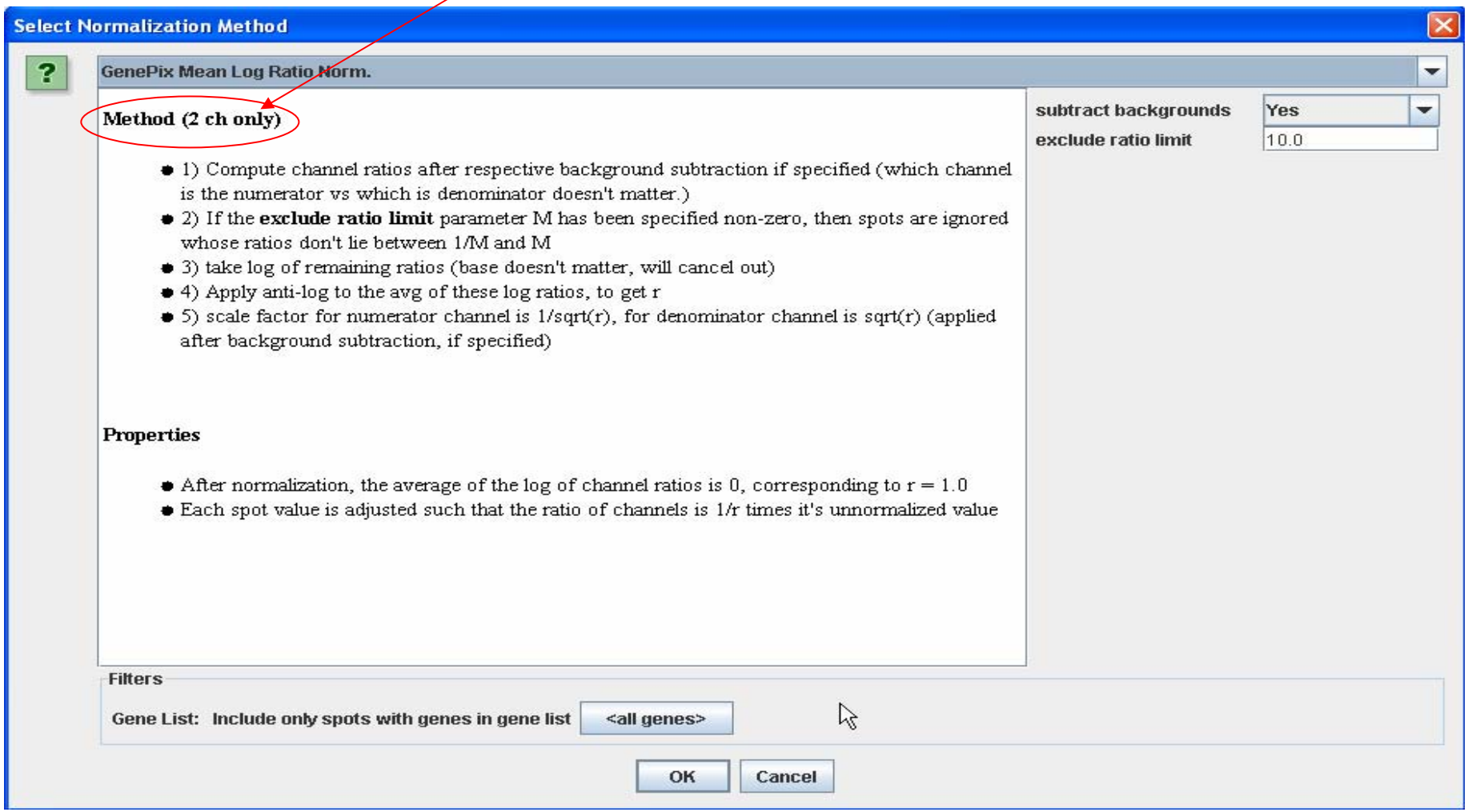
Mean/Median Scaling Normalization



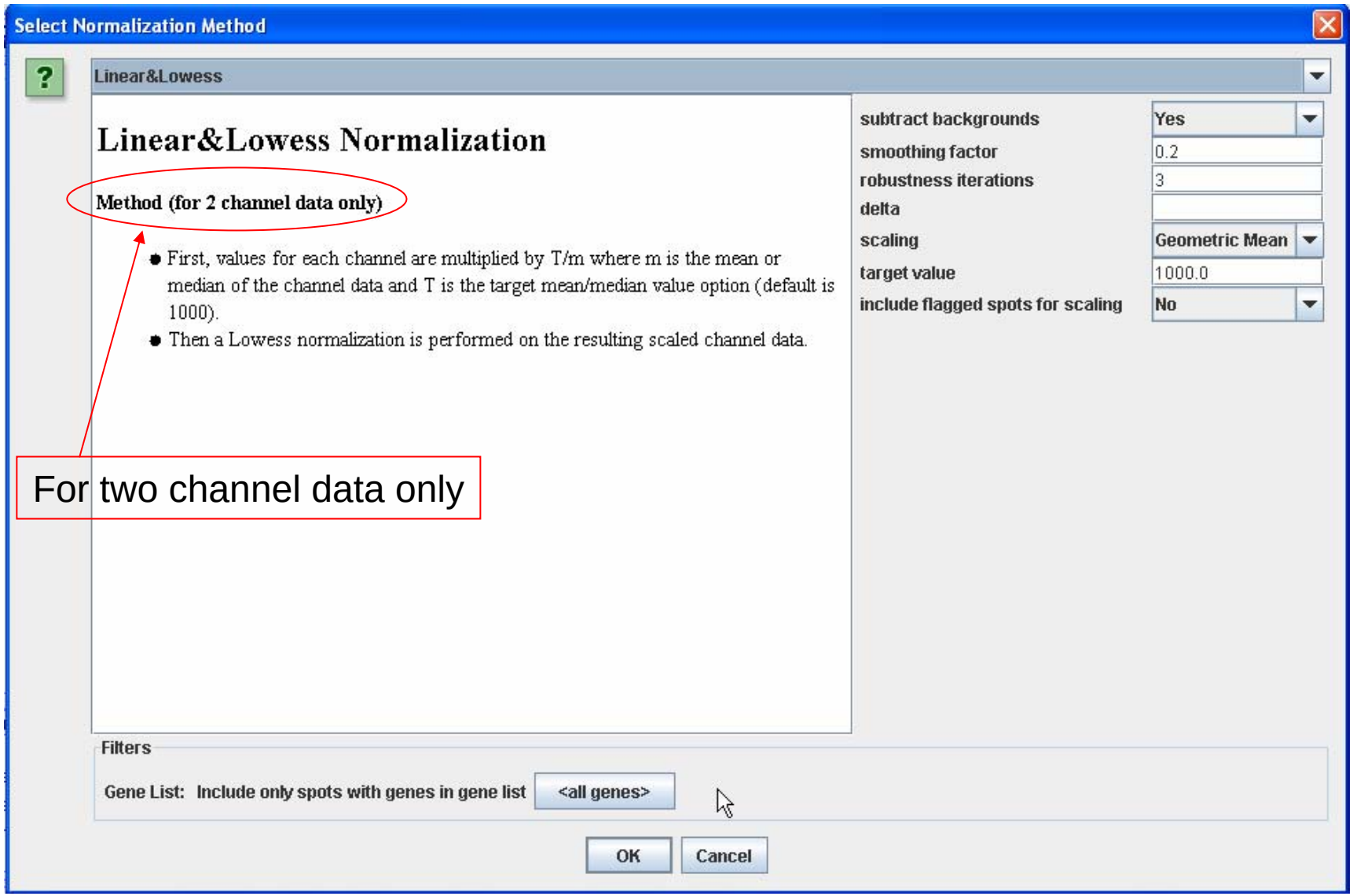
For one or two channel data

GenePix Mean Log Ration Normalization

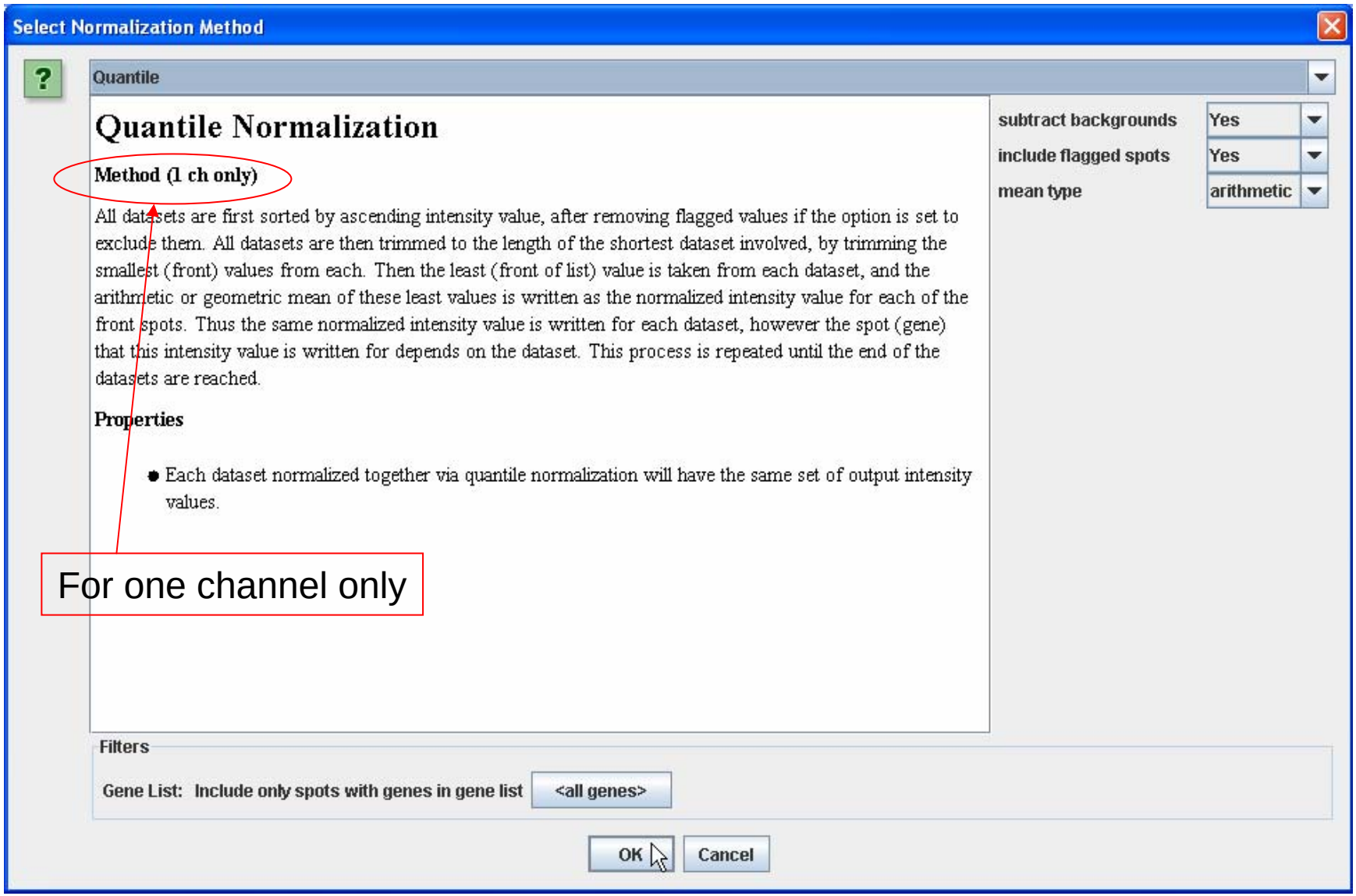
This method is for two channel data only



Linear & Lowess Normalization



Quantile Normaliztion



Reference Average Comparison Normaliztion

For one channel only