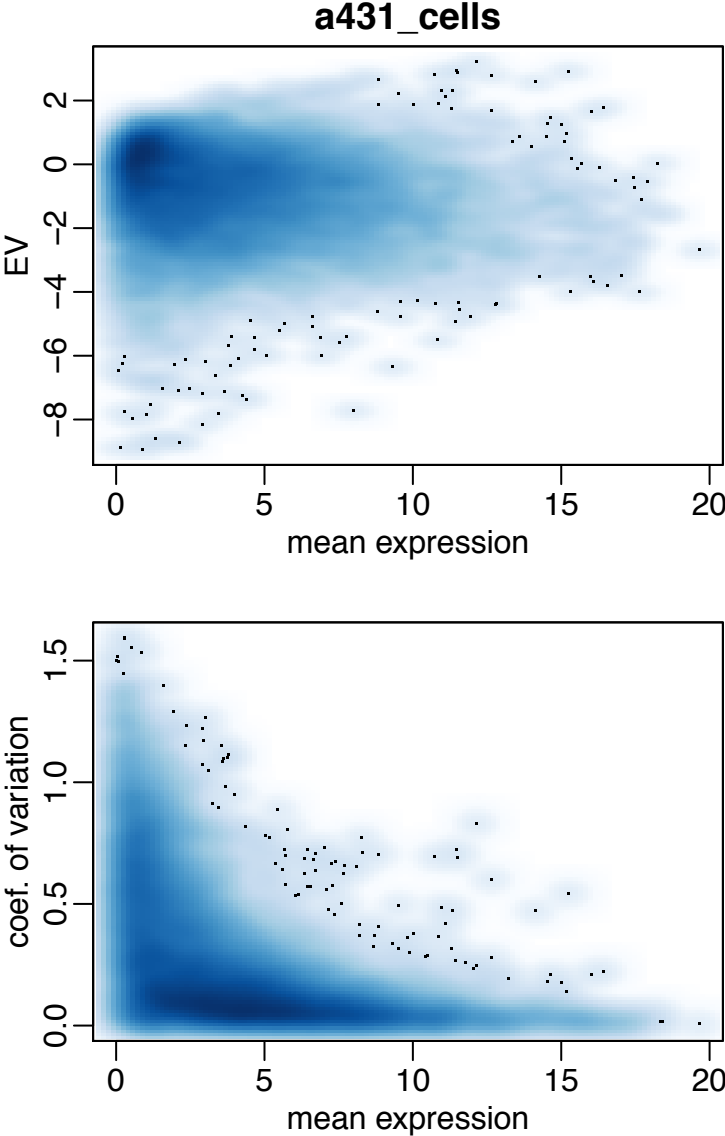


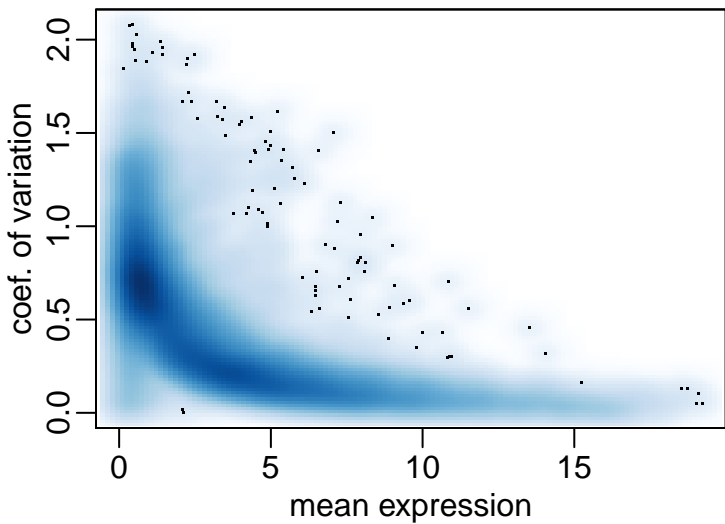
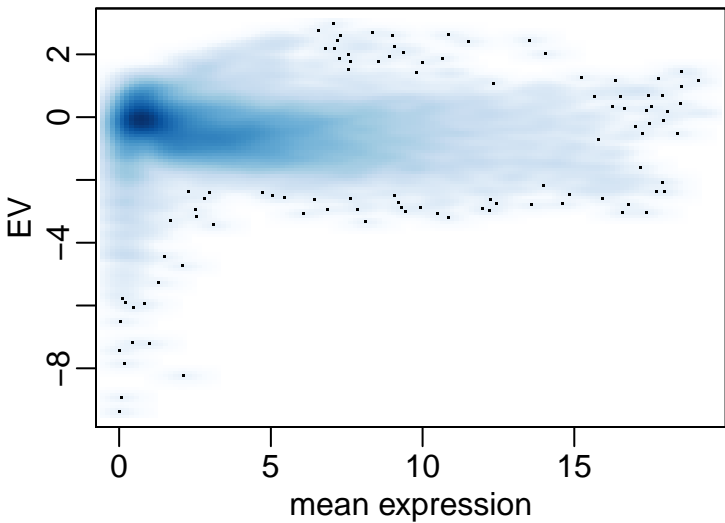
Supplement 3.

Figure 1. EV removes dependence between variability and overall mean expression Page 2
Figure 2. EV is independent of the number of experiments per tissue in dataset Page 43

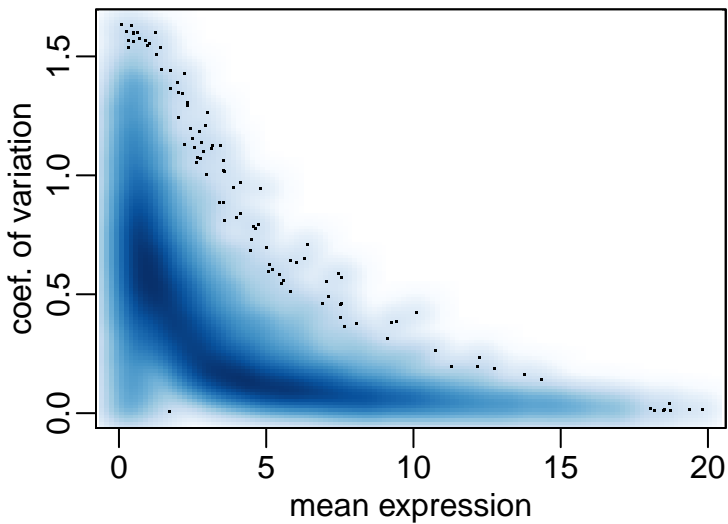
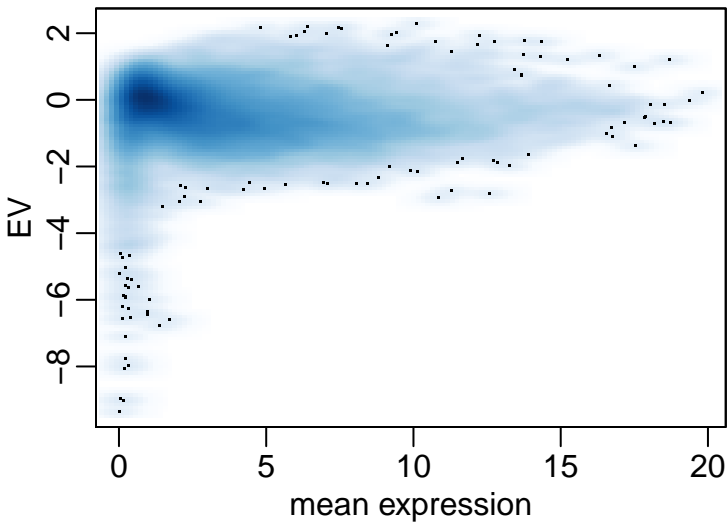
Figure 1. EV removes dependence between variability and overall mean expression. The EV measure is unbiased with respect to overall mean expression. We compare the distribution of EV conditional on mean expression for each tissue to the distribution of the coefficient of variation conditional on mean expression. The coefficient of variation shows high upward bias towards genes with low expression.



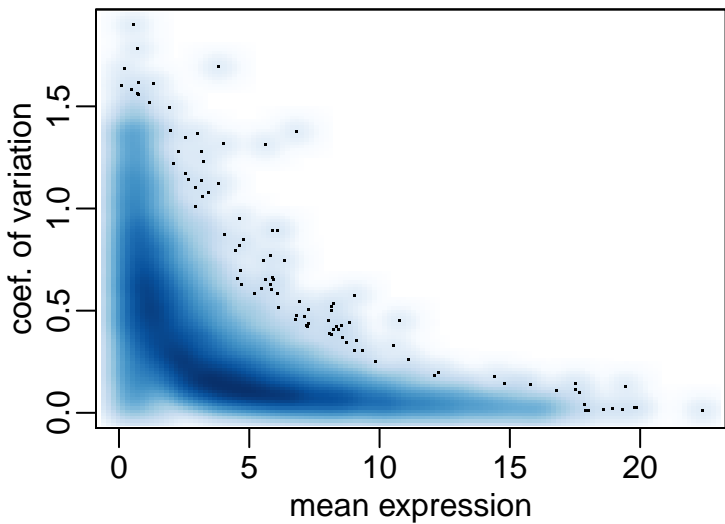
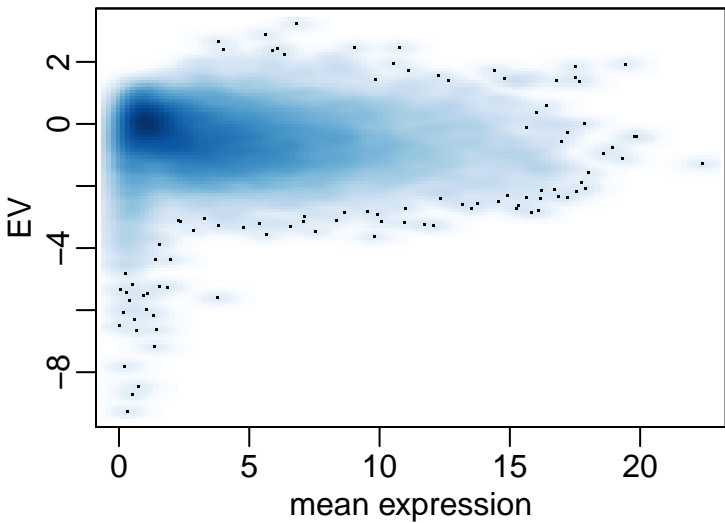
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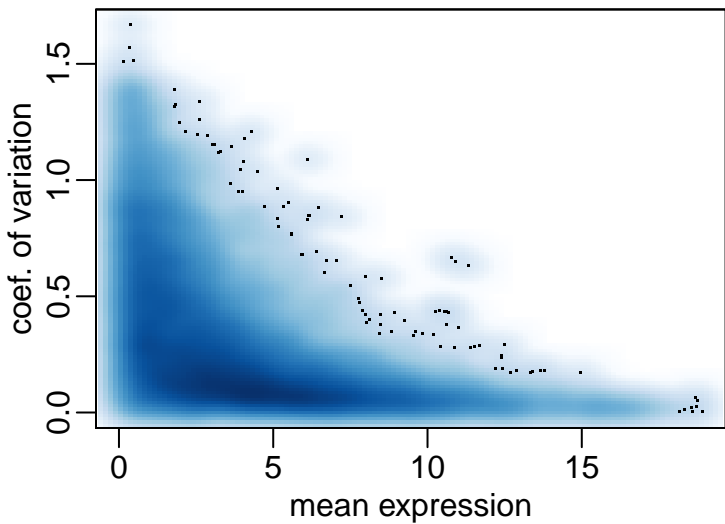
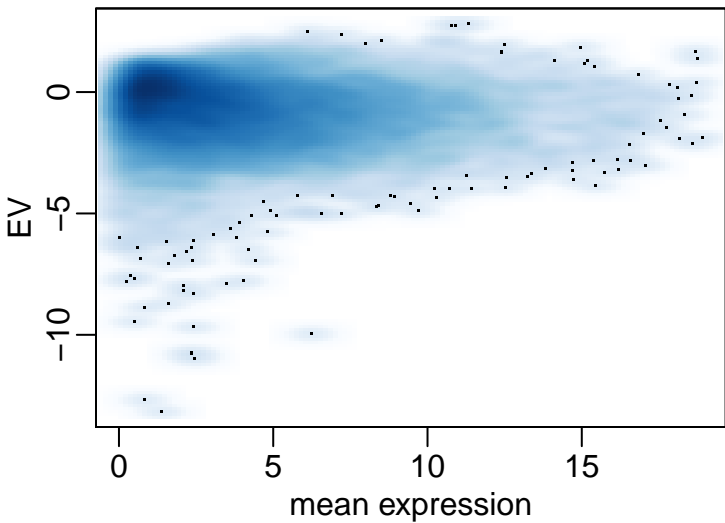
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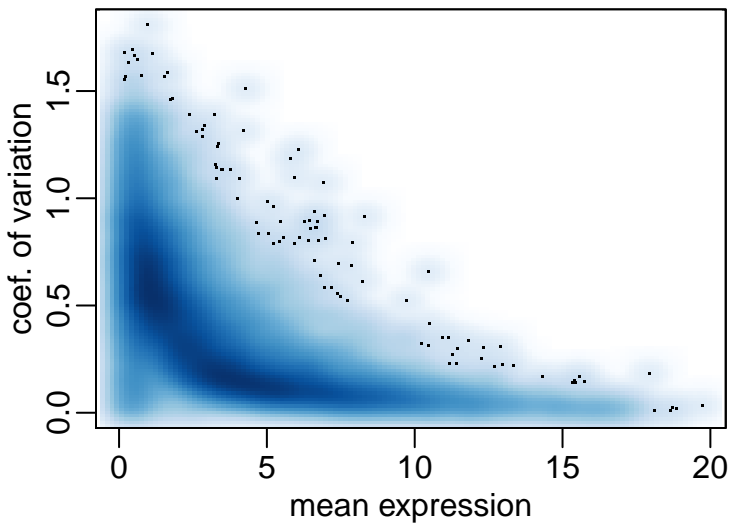
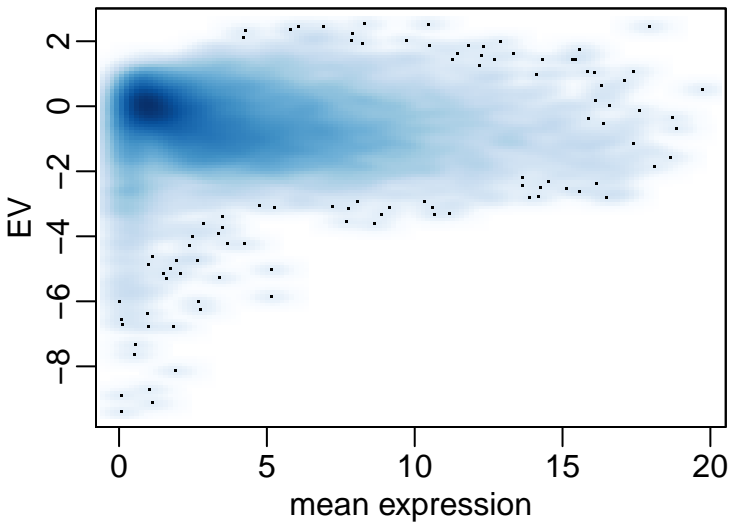
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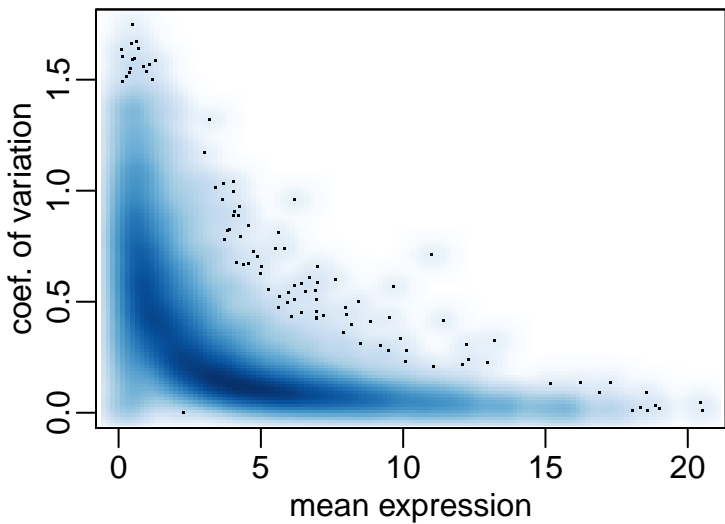
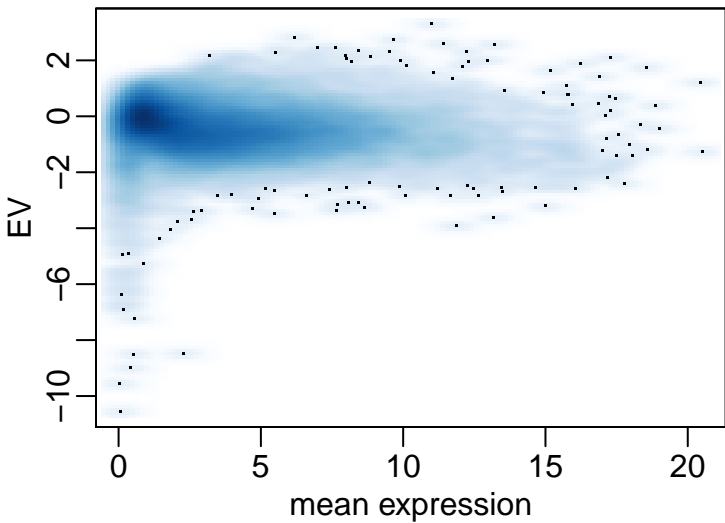
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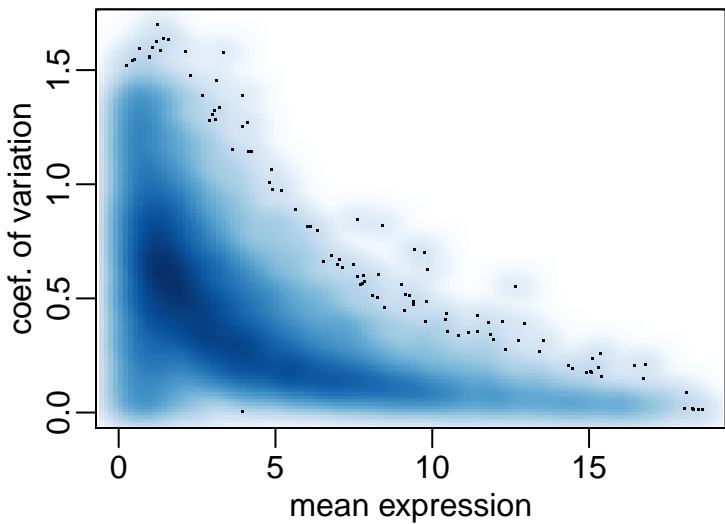
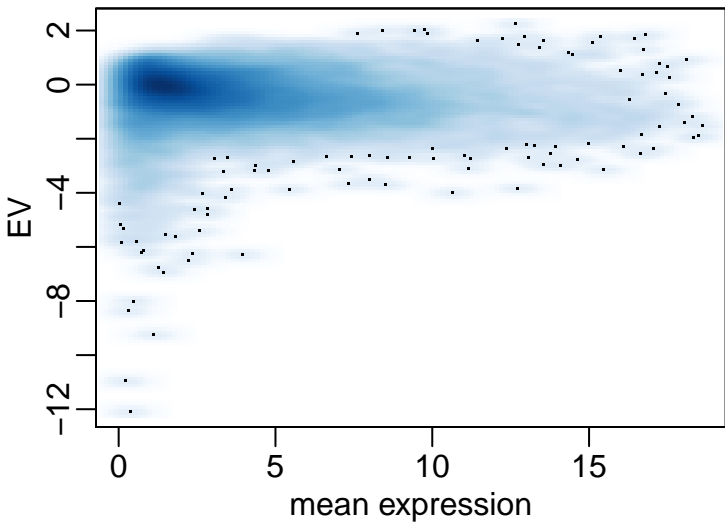
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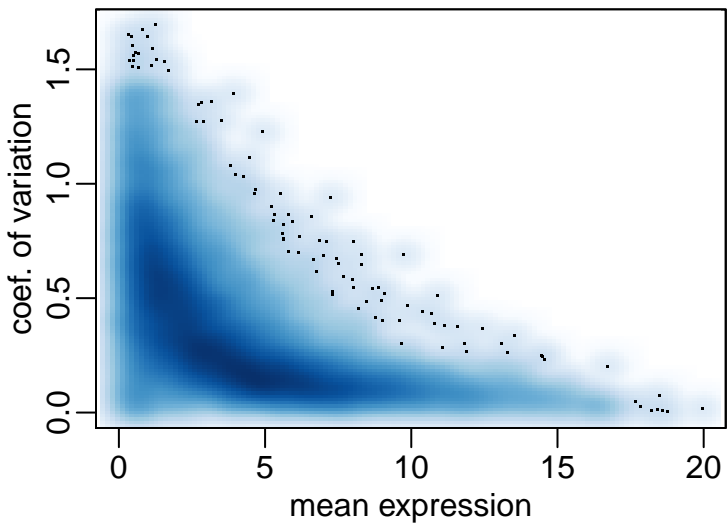
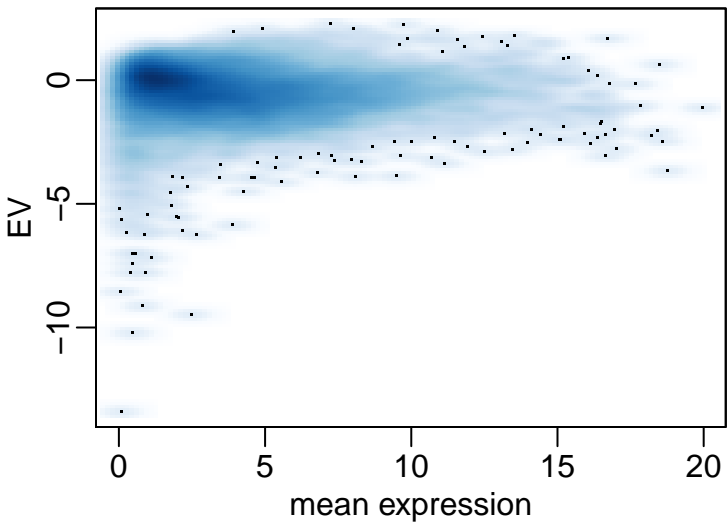
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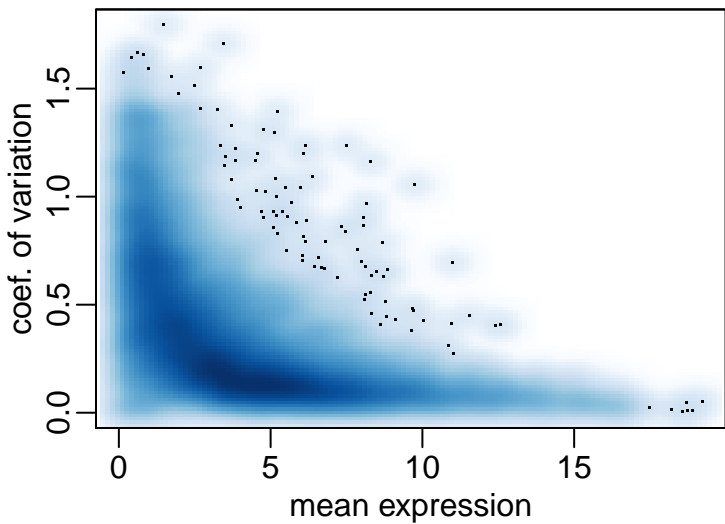
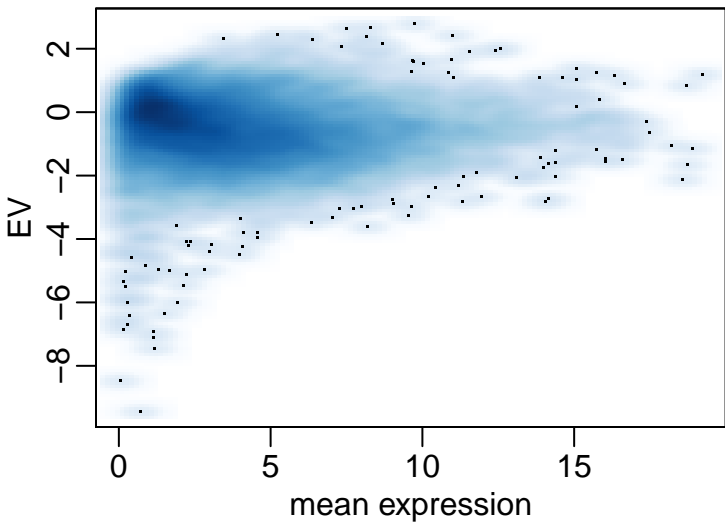
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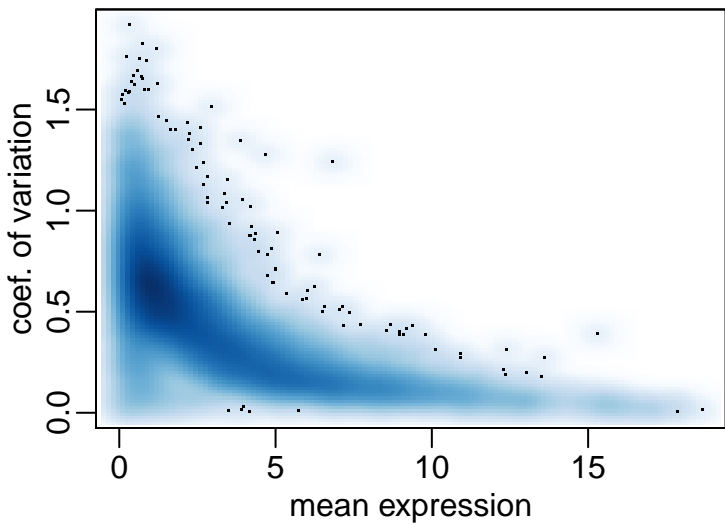
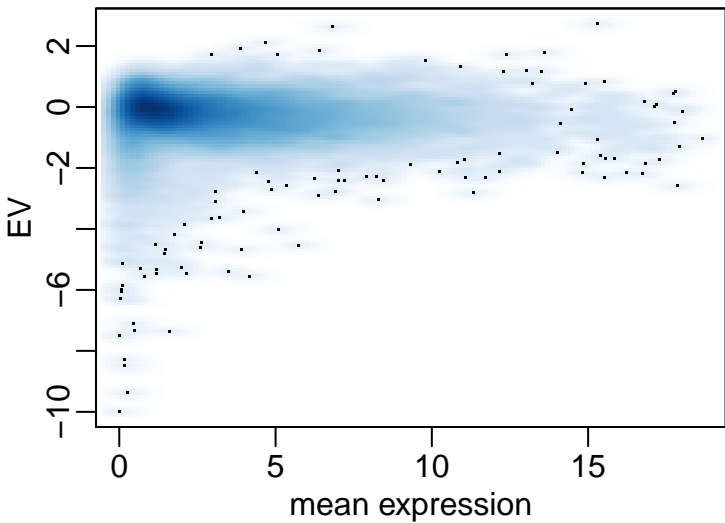
cd31+_cells



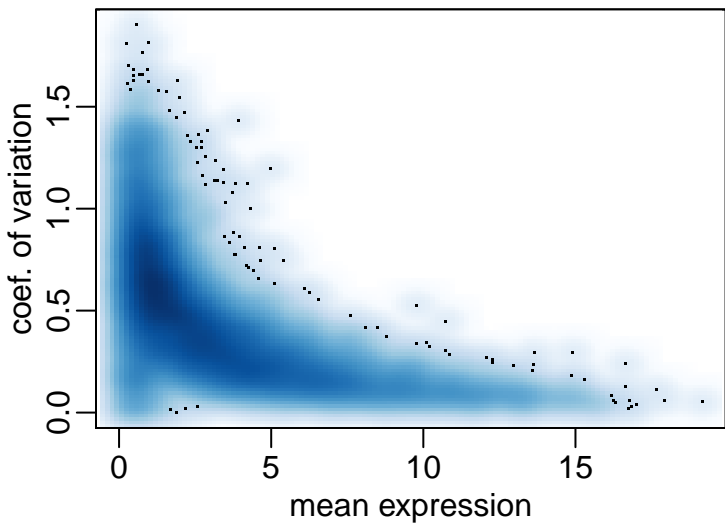
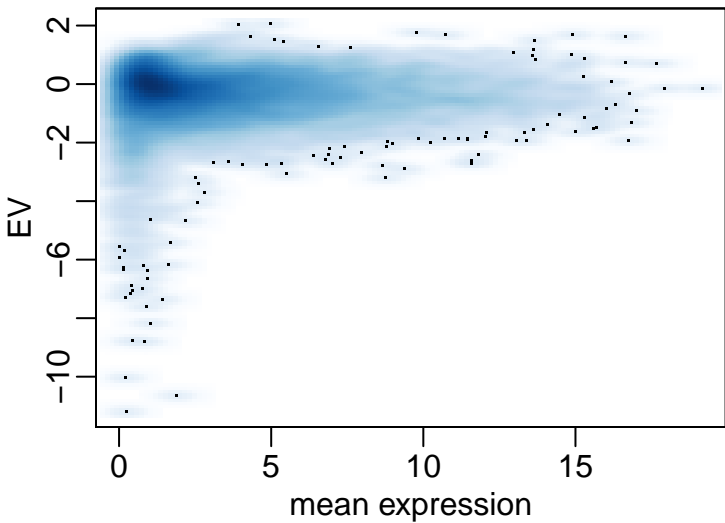
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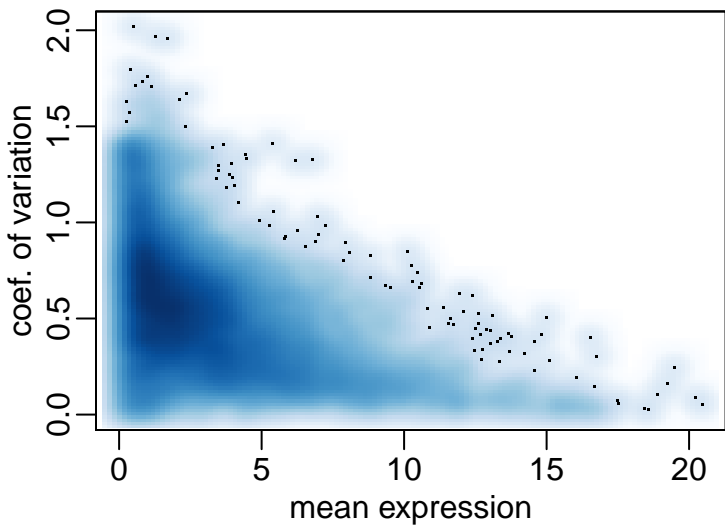
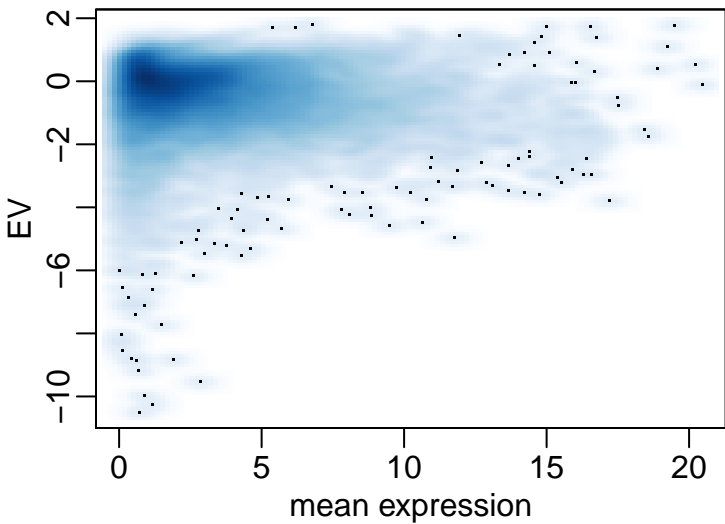
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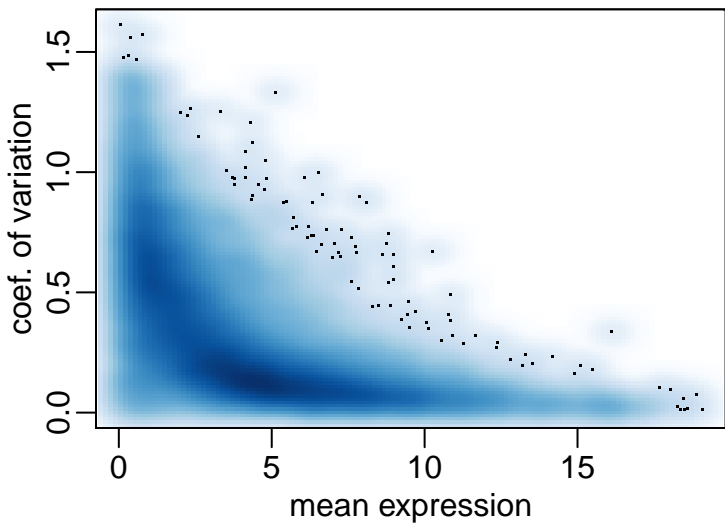
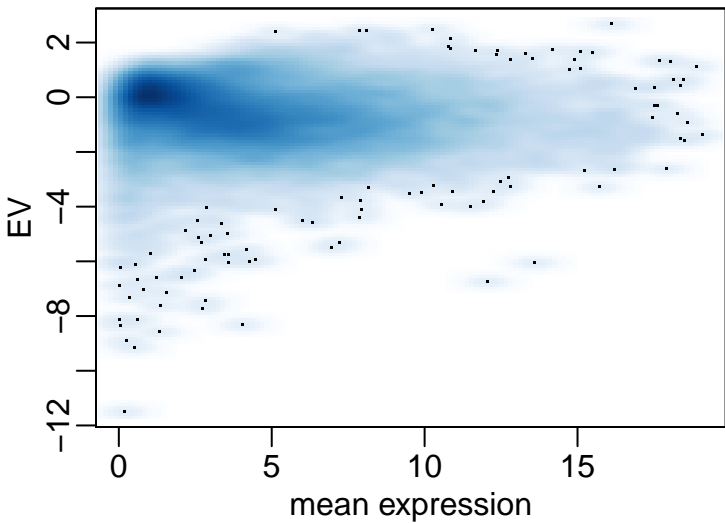
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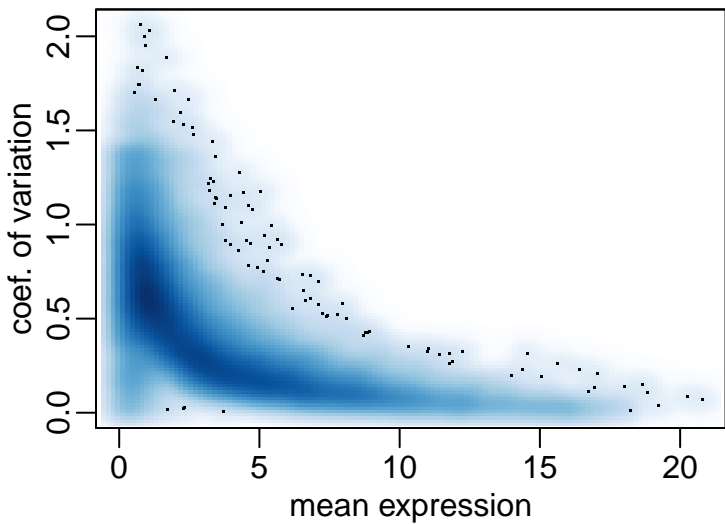
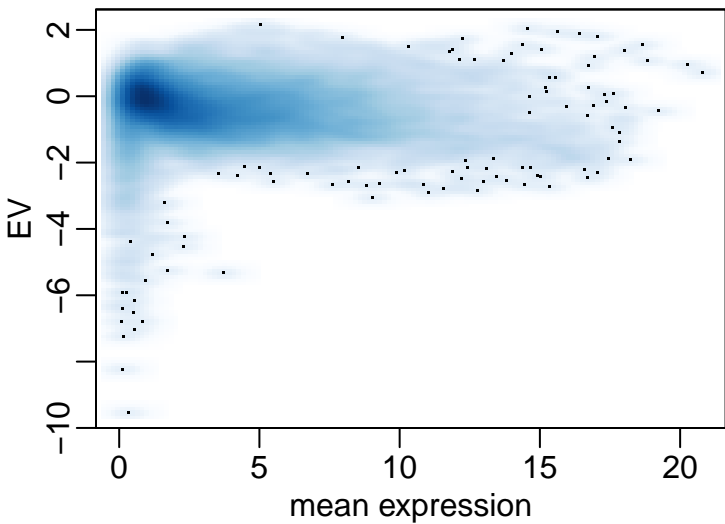
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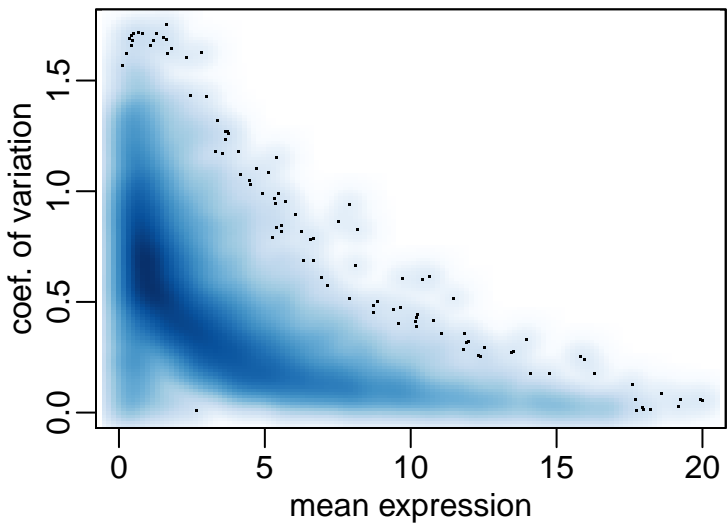
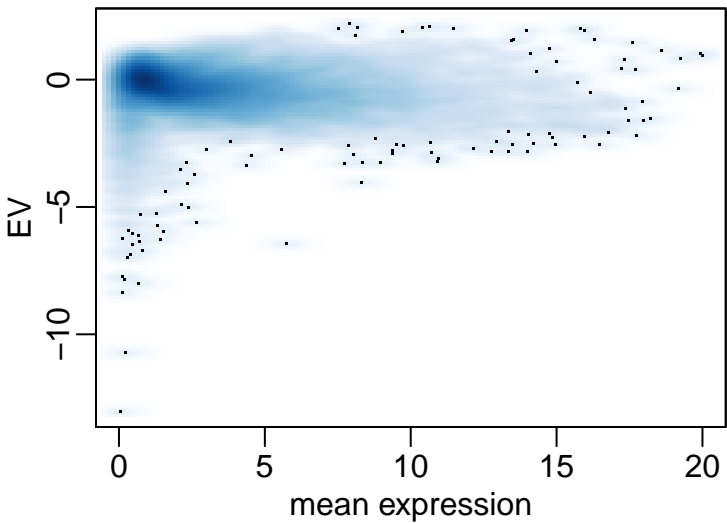
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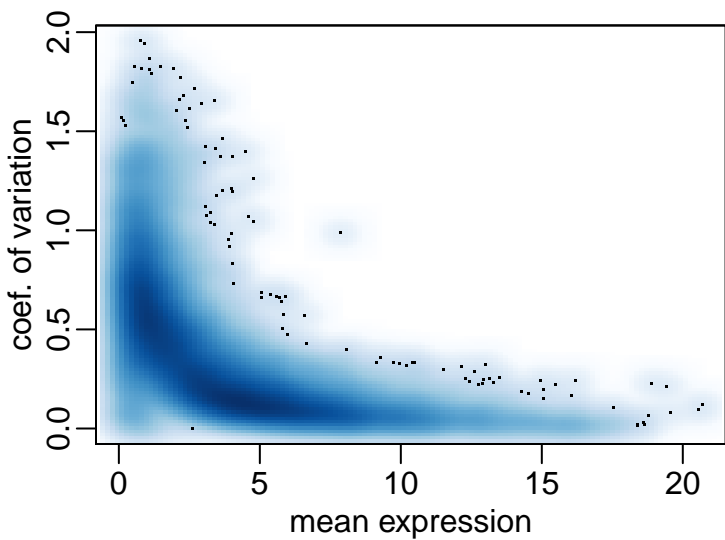
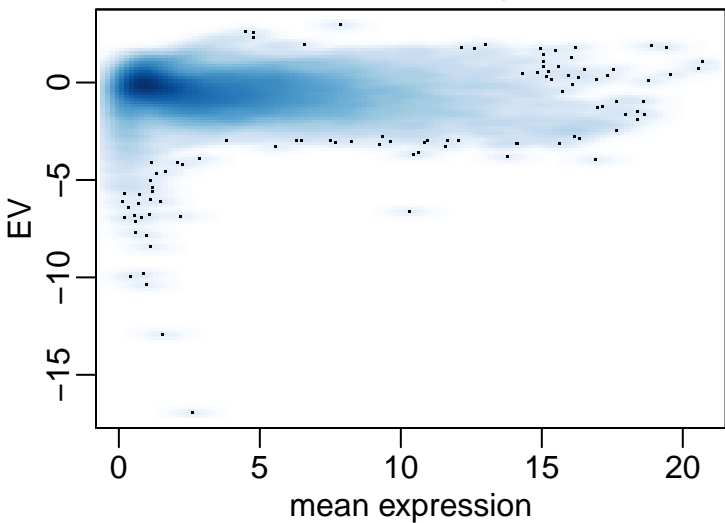
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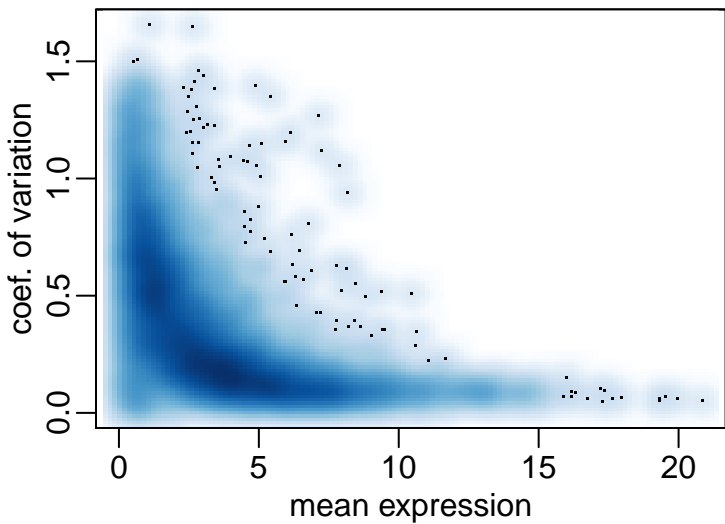
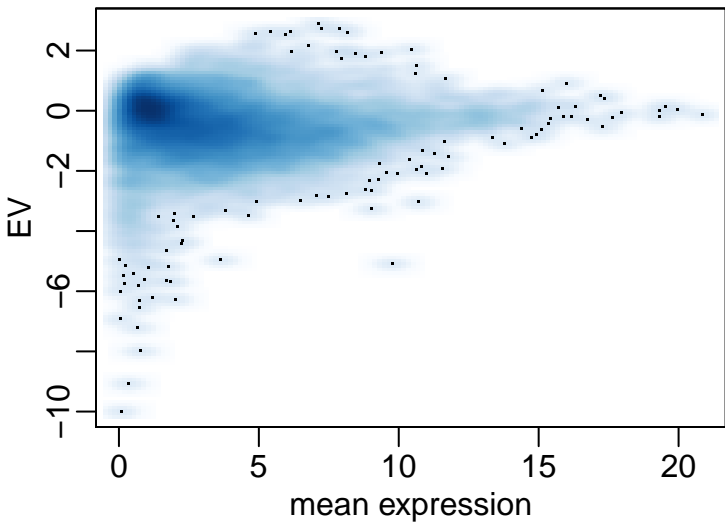
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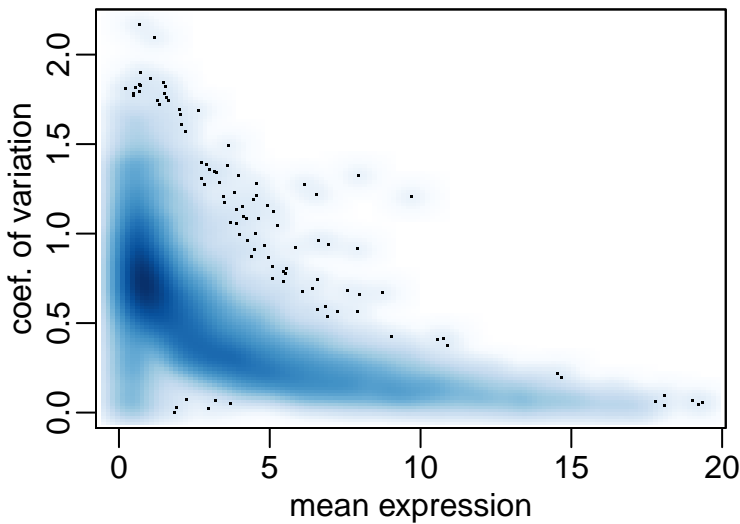
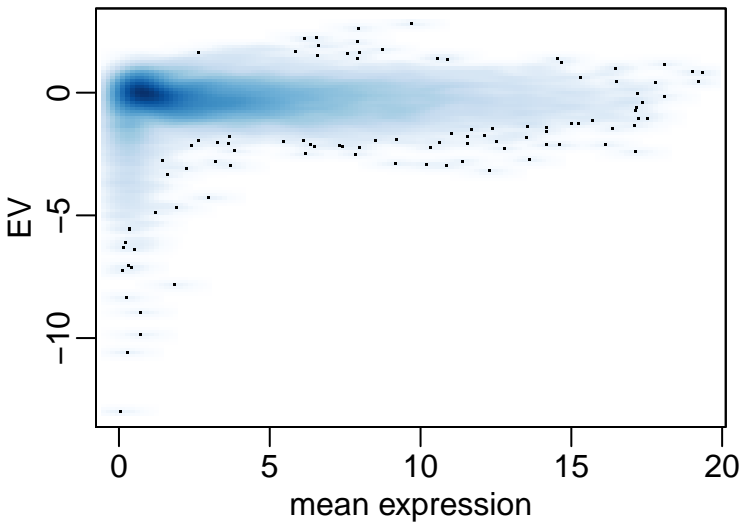
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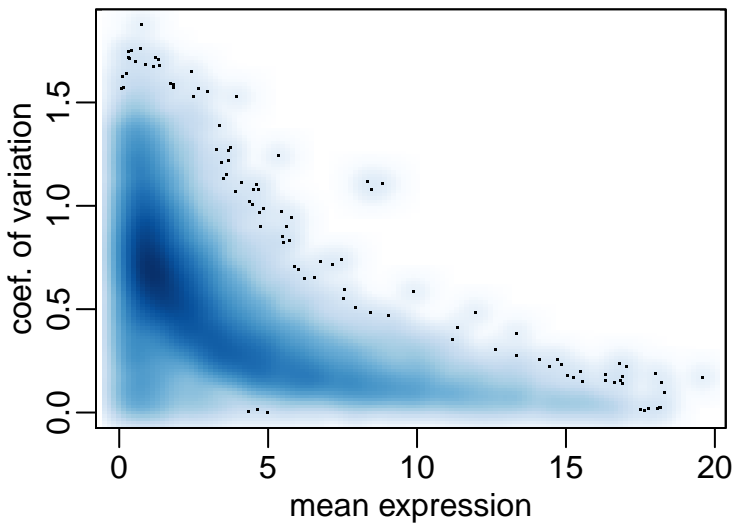
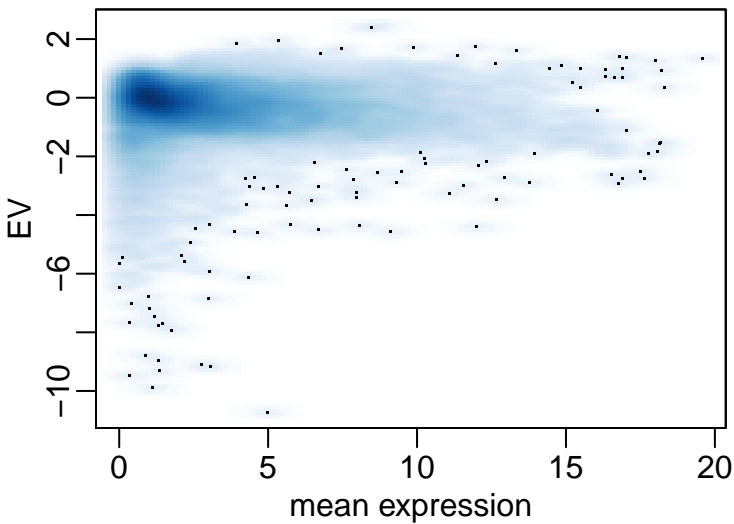
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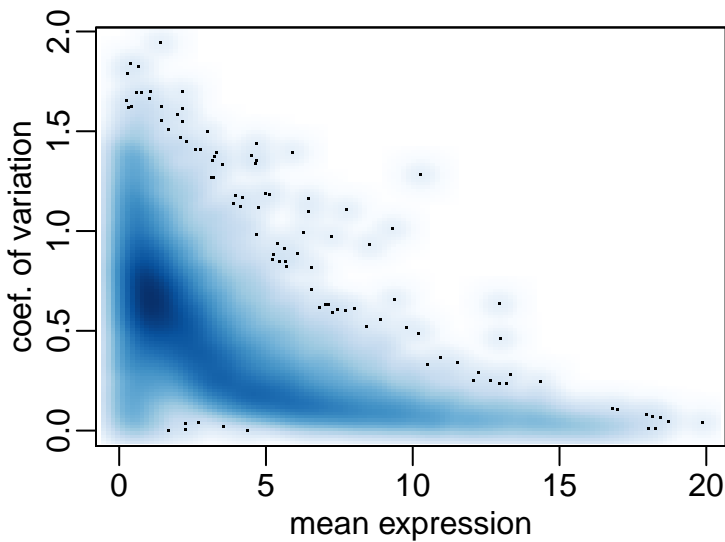
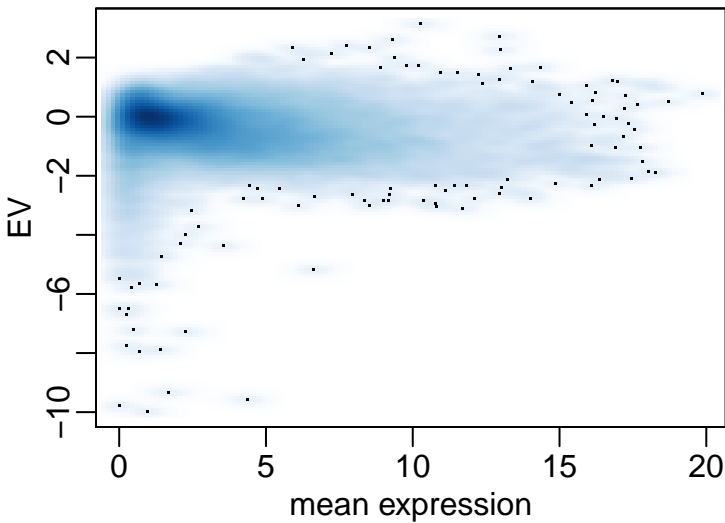
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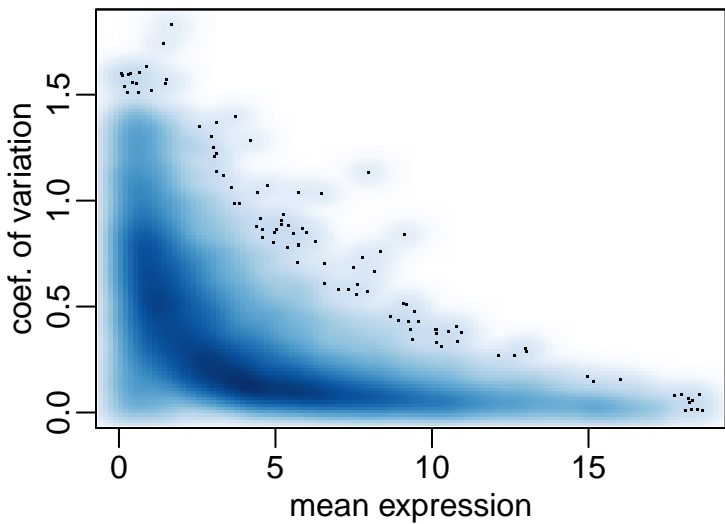
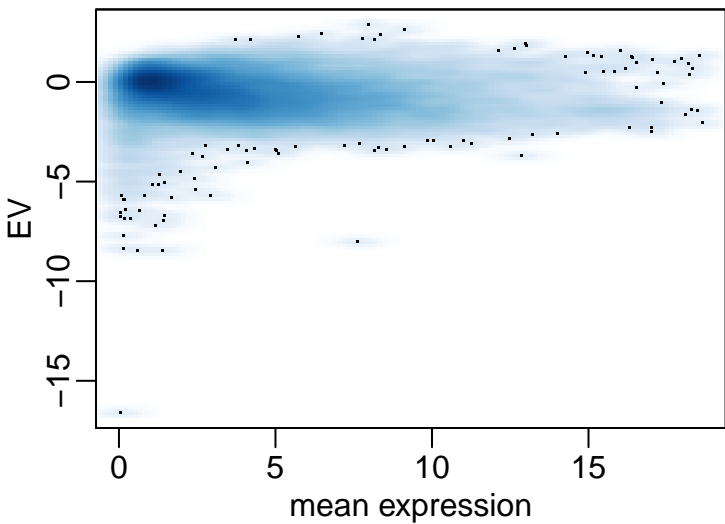
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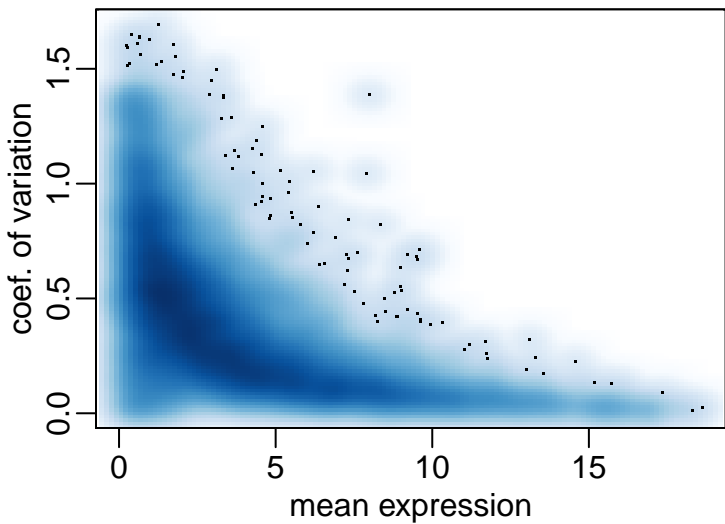
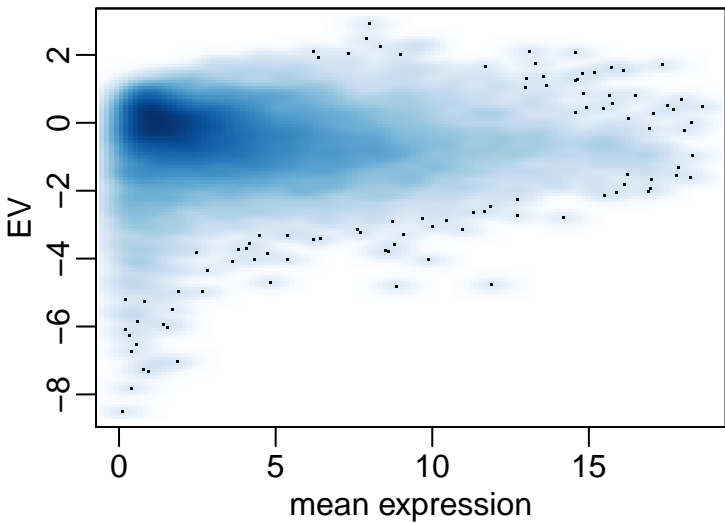
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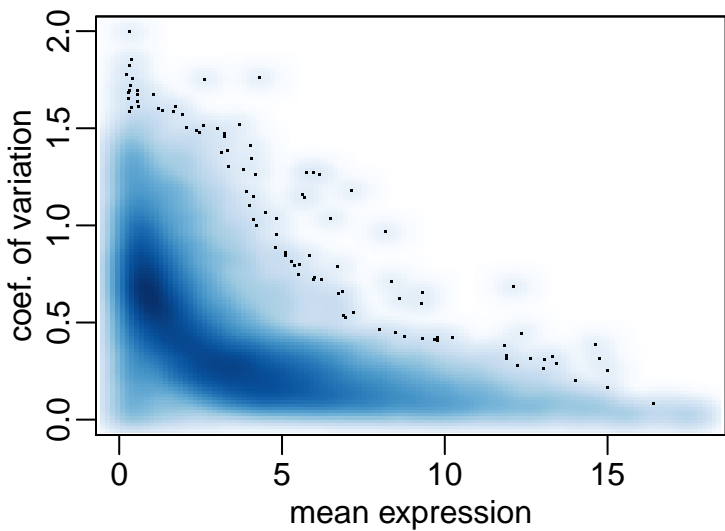
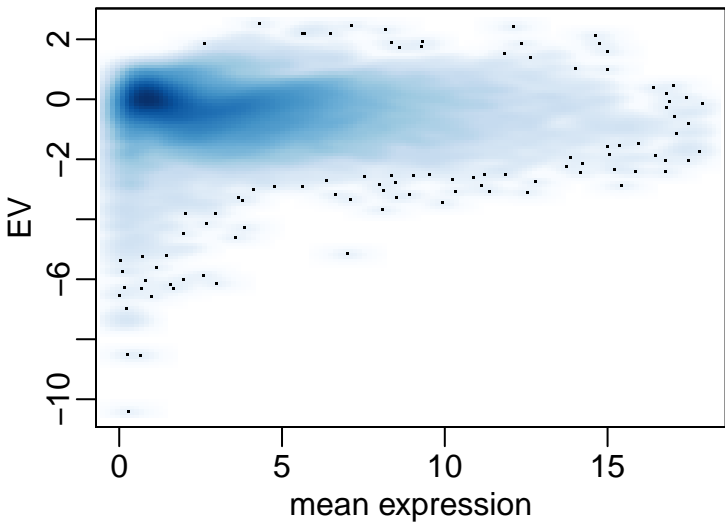
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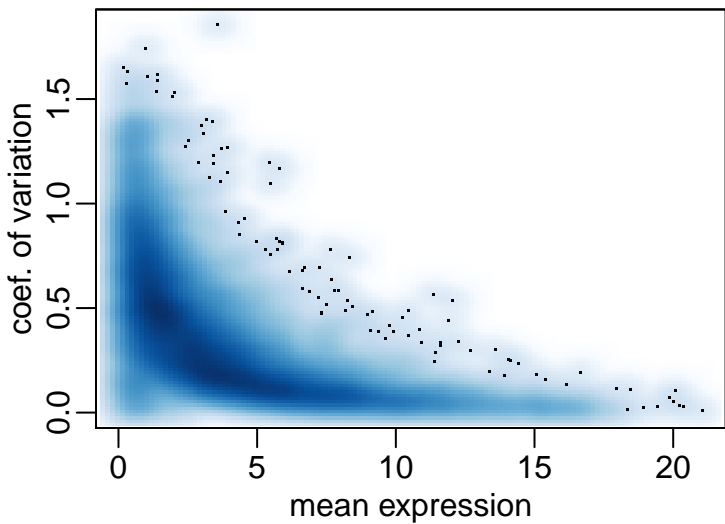
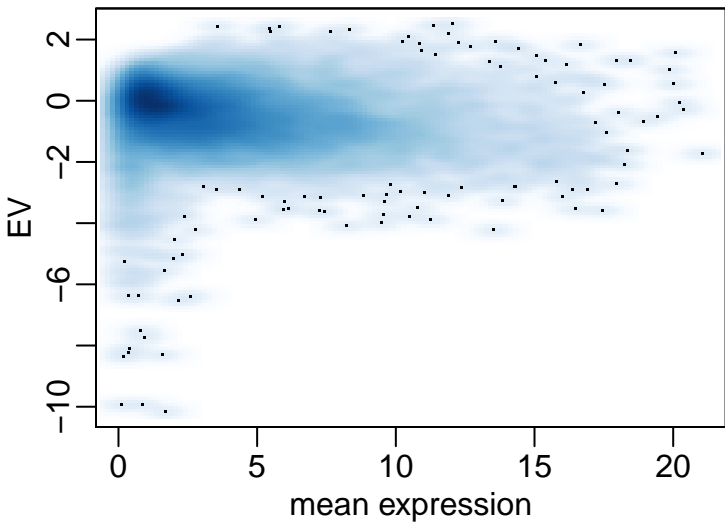
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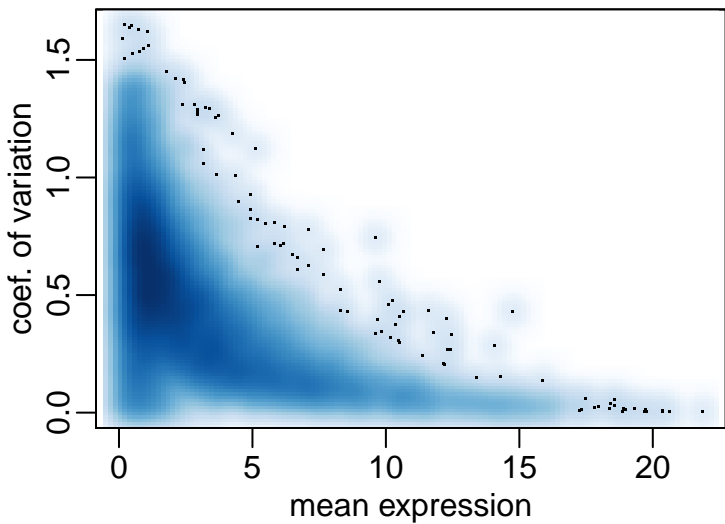
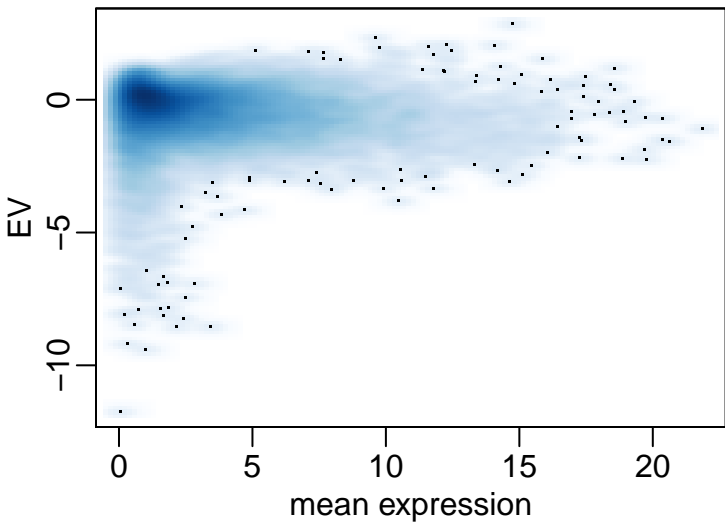
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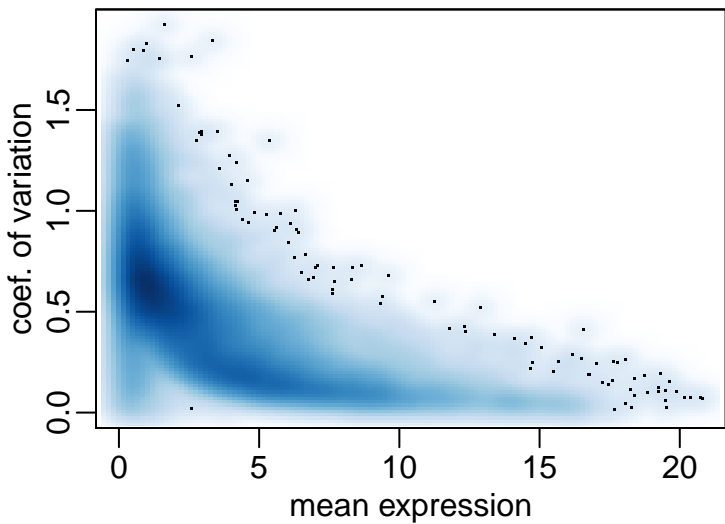
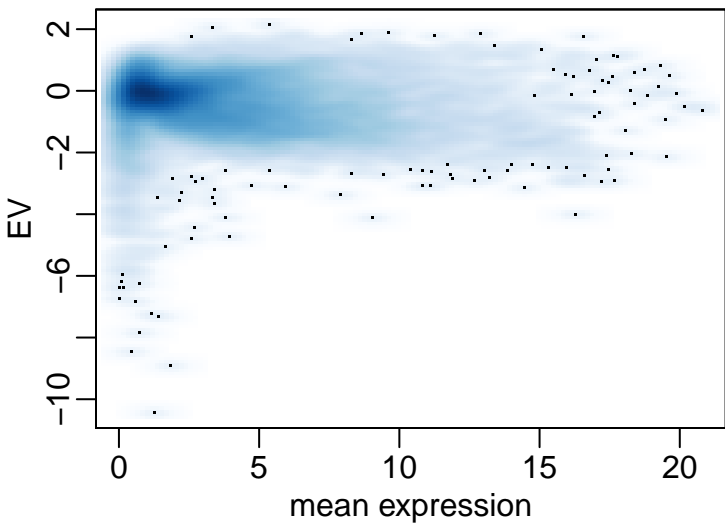
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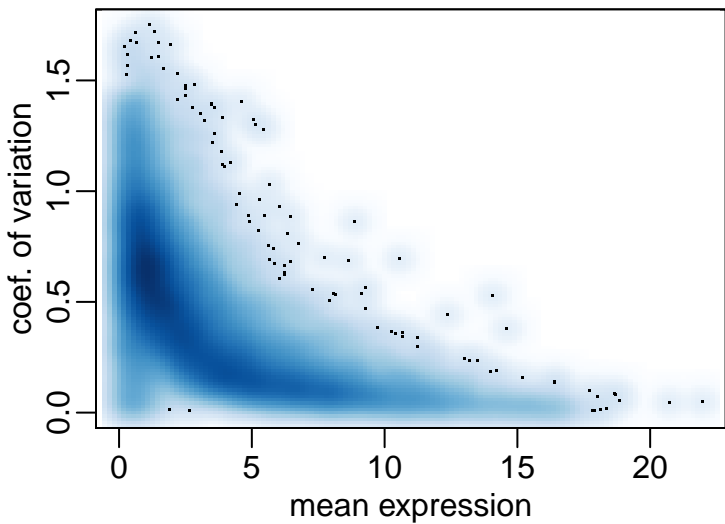
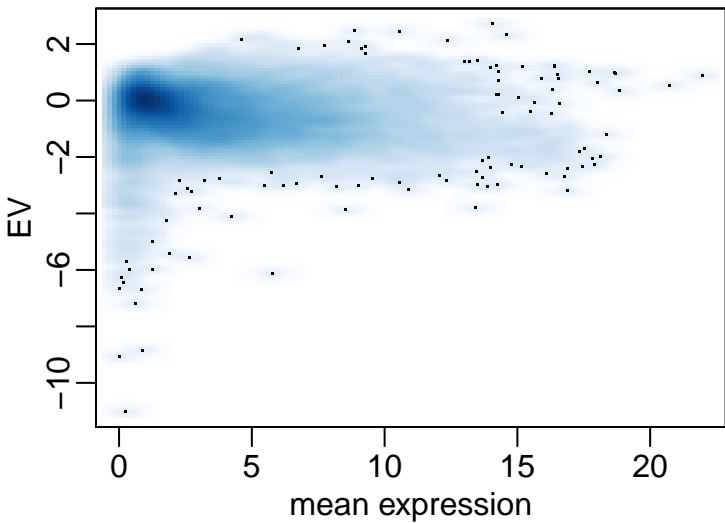
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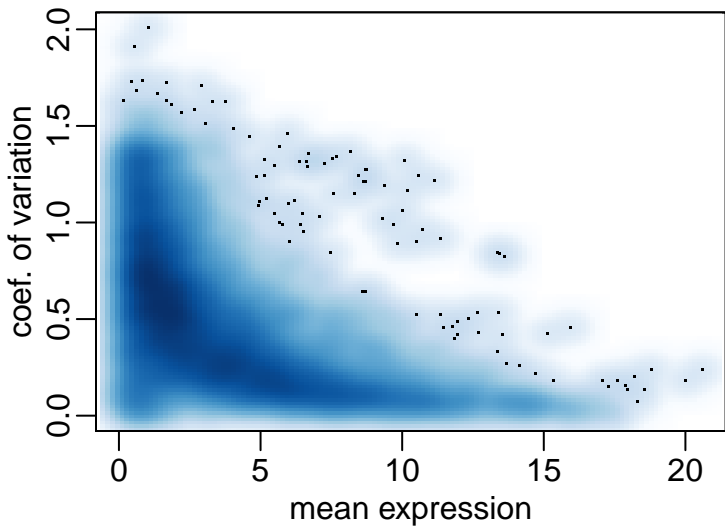
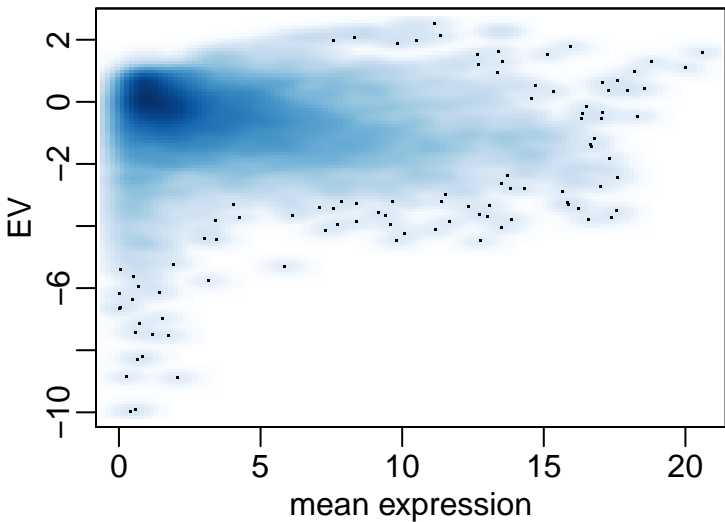
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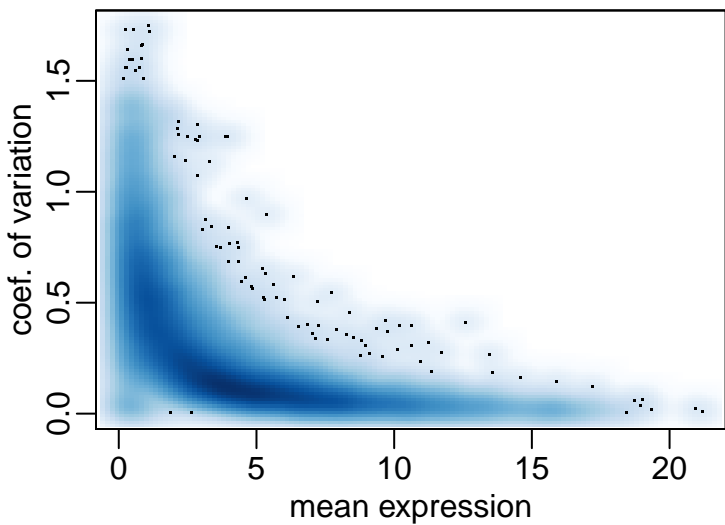
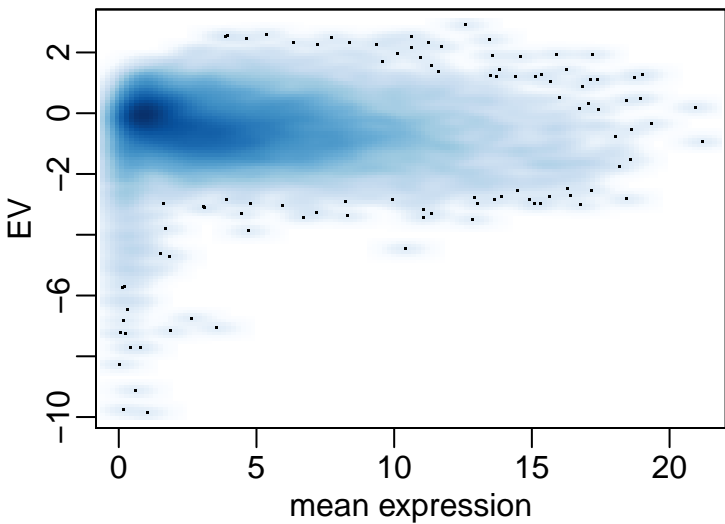
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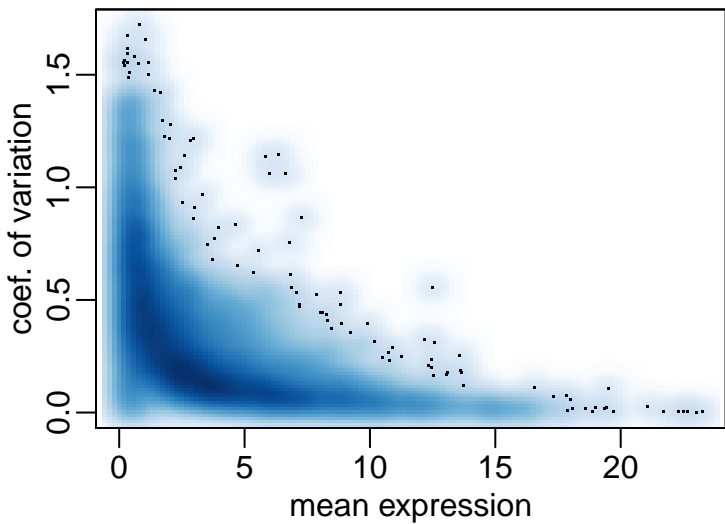
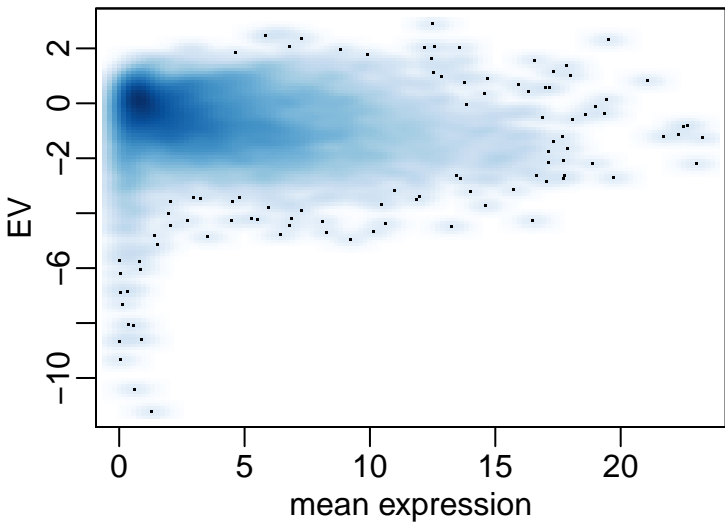
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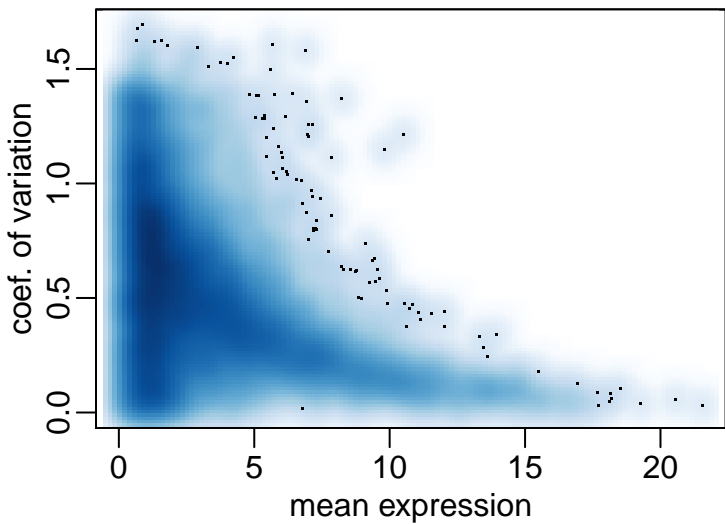
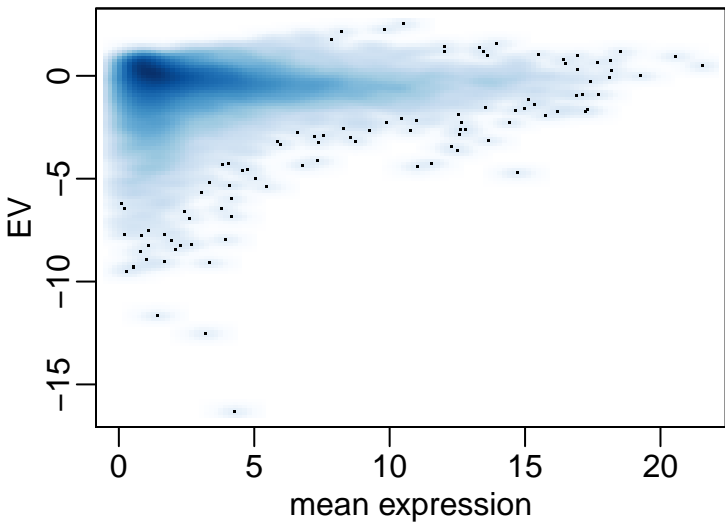
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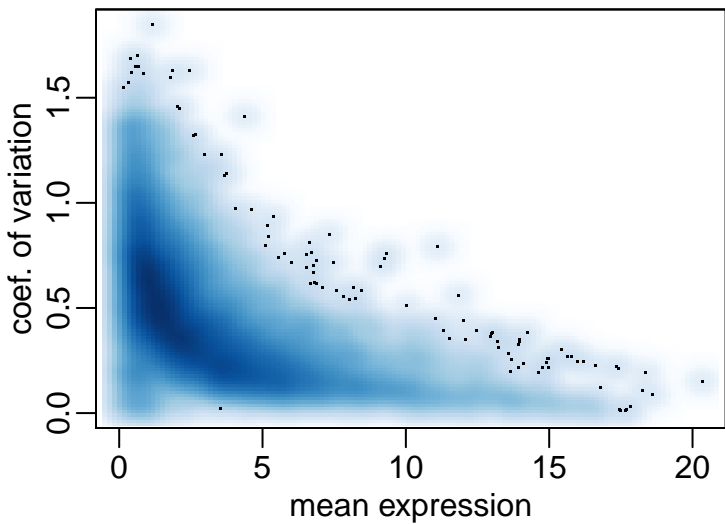
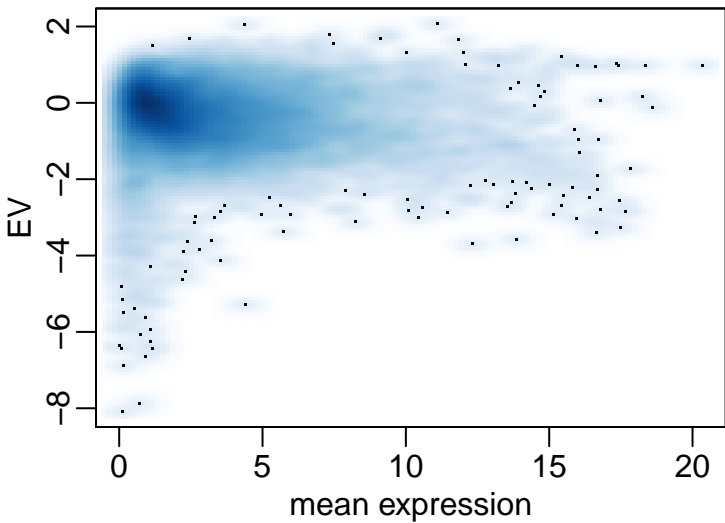
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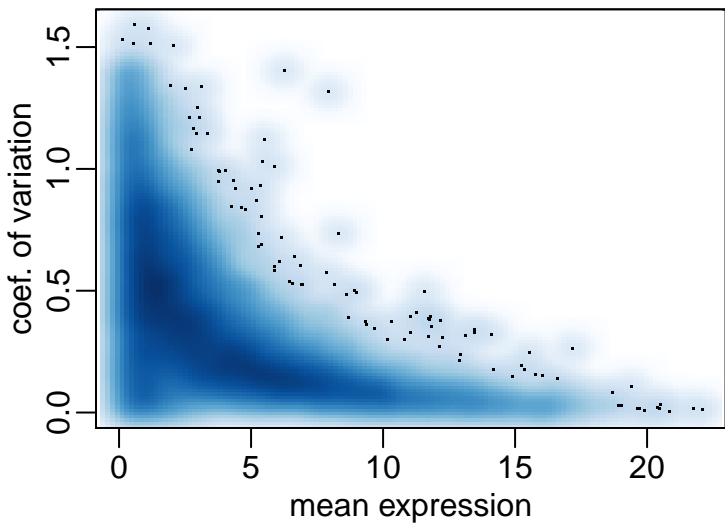
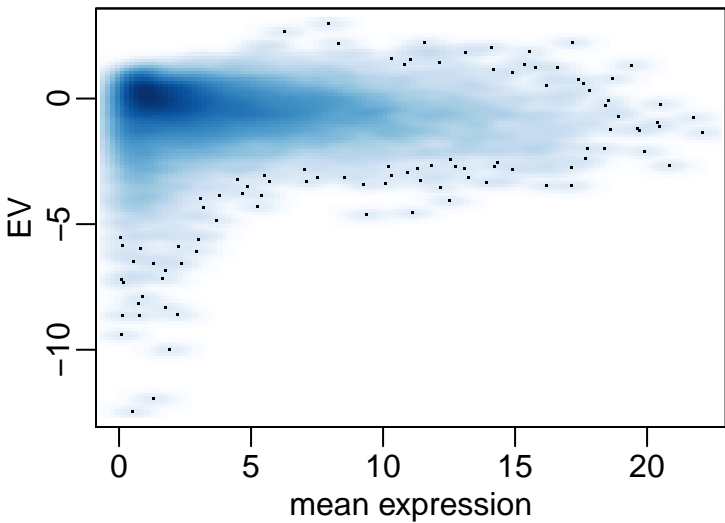
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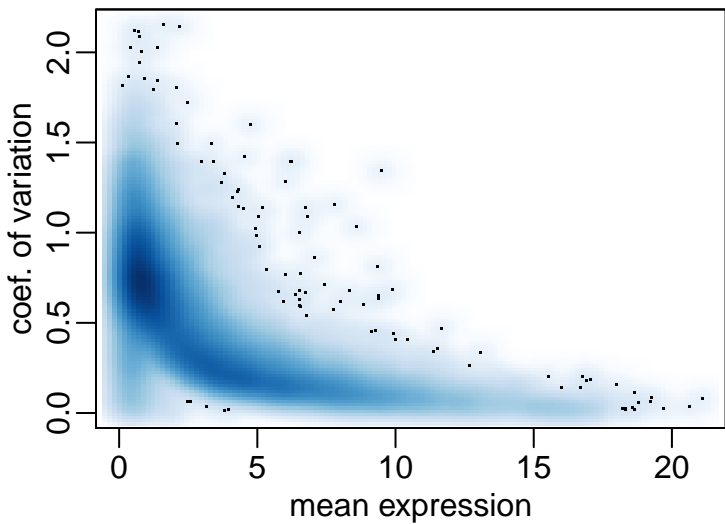
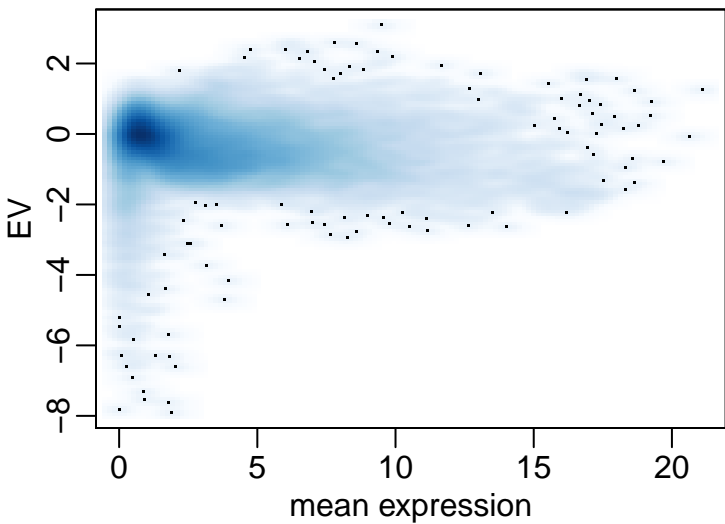
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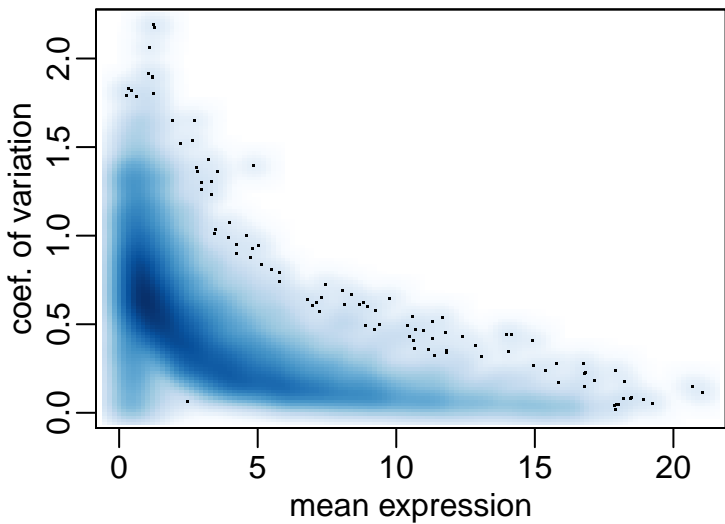
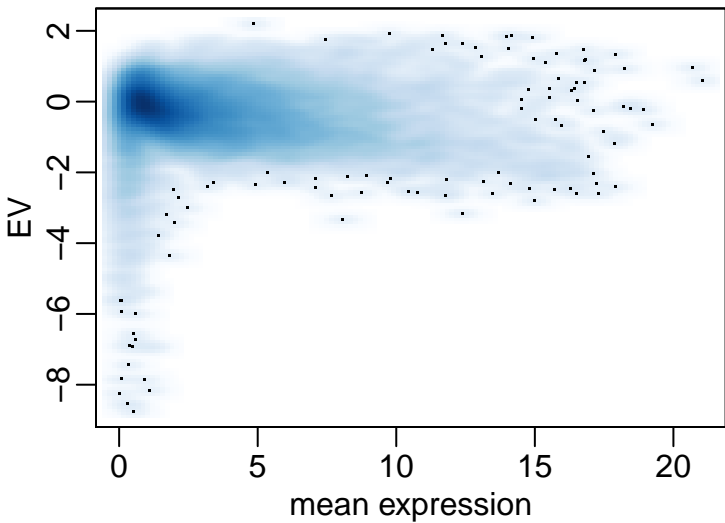
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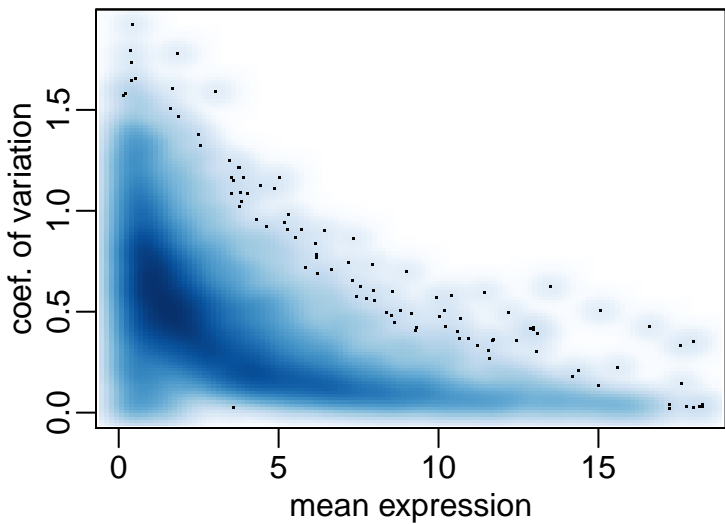
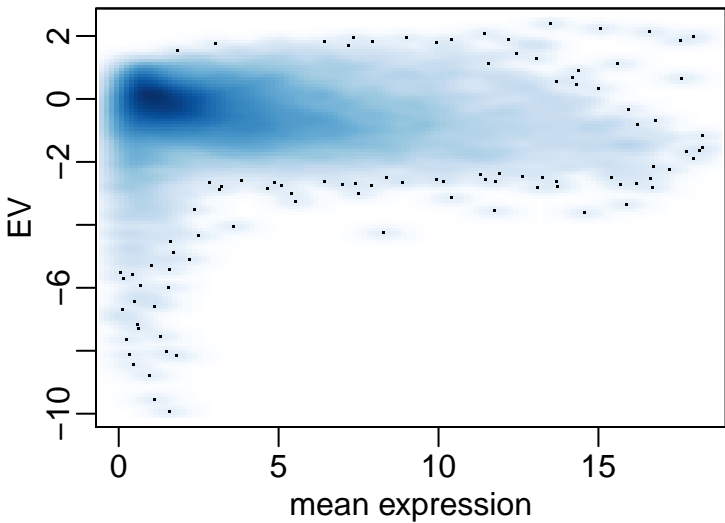
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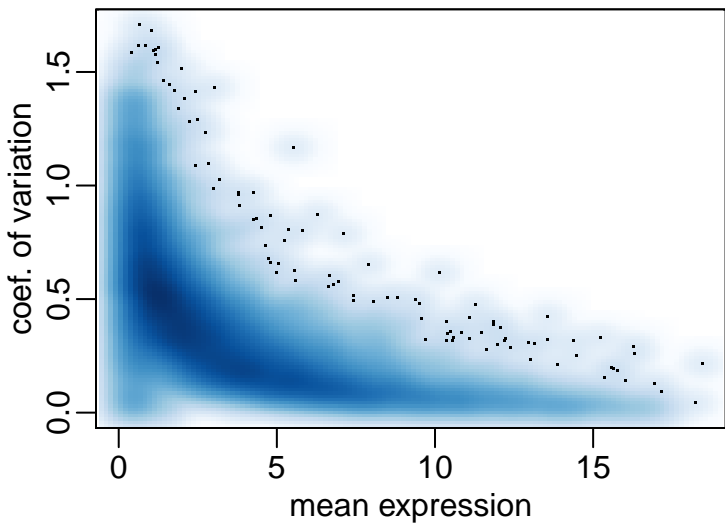
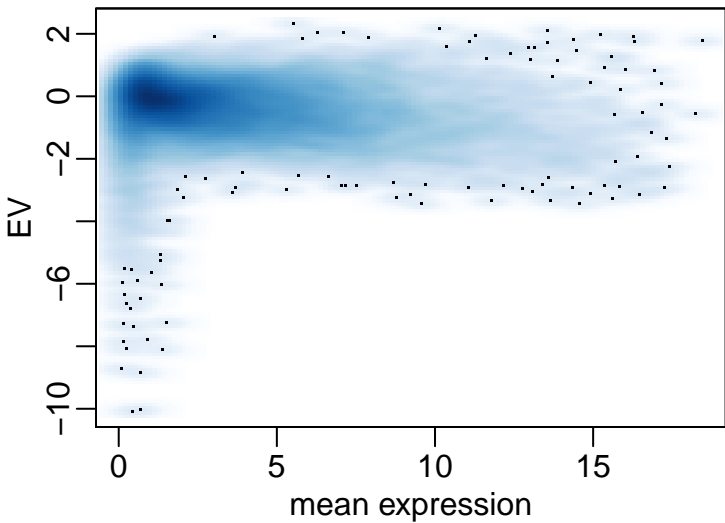
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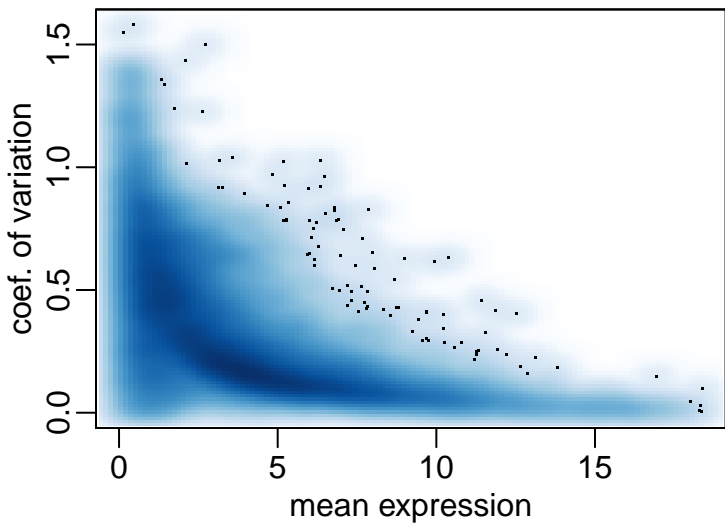
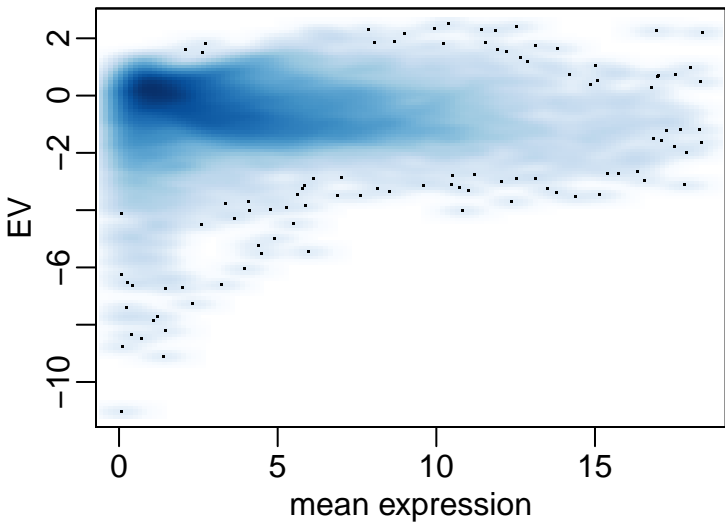
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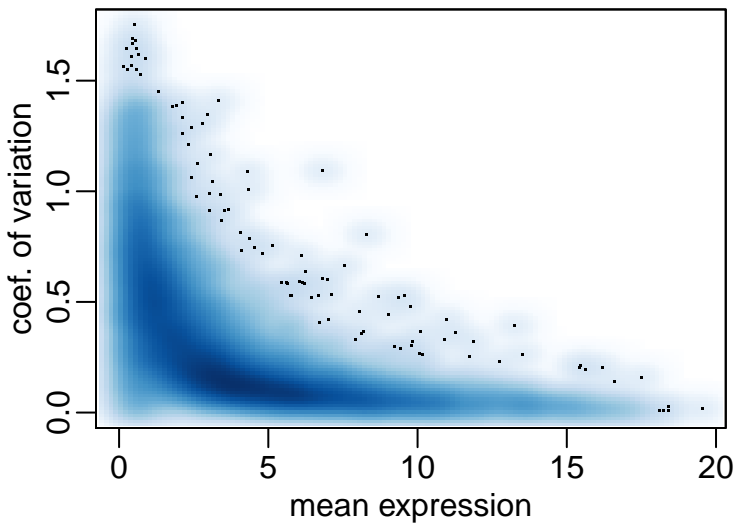
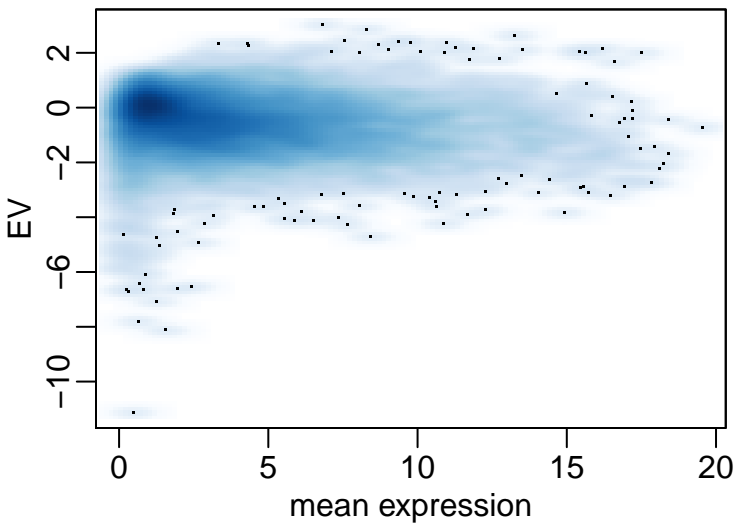
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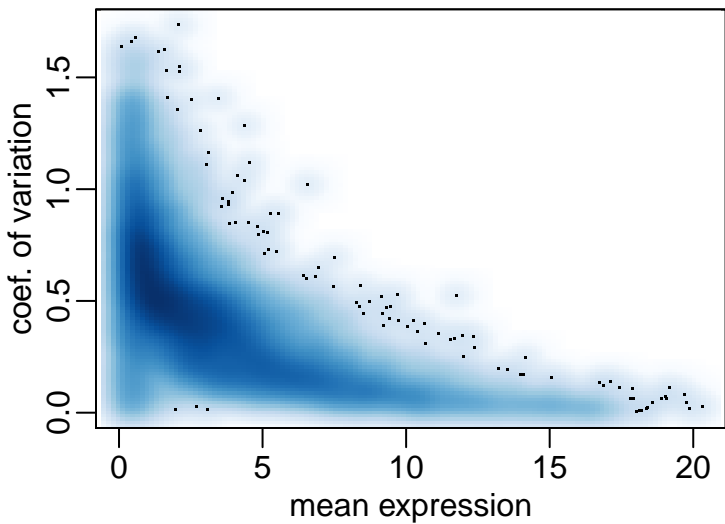
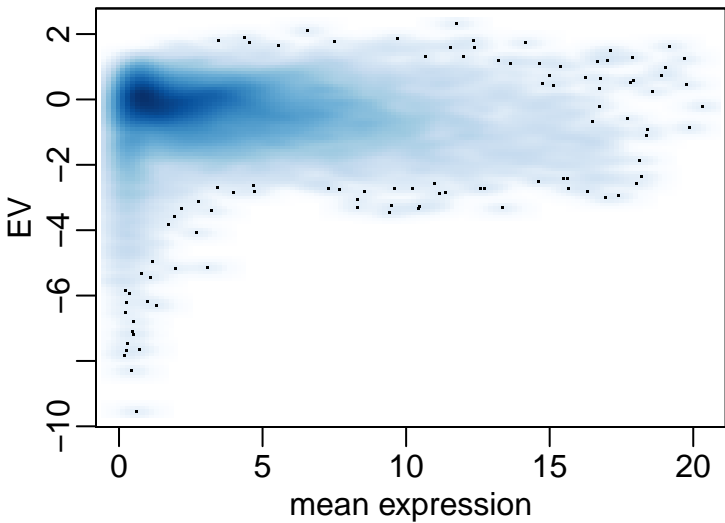
u251_cells



urethra



vulva



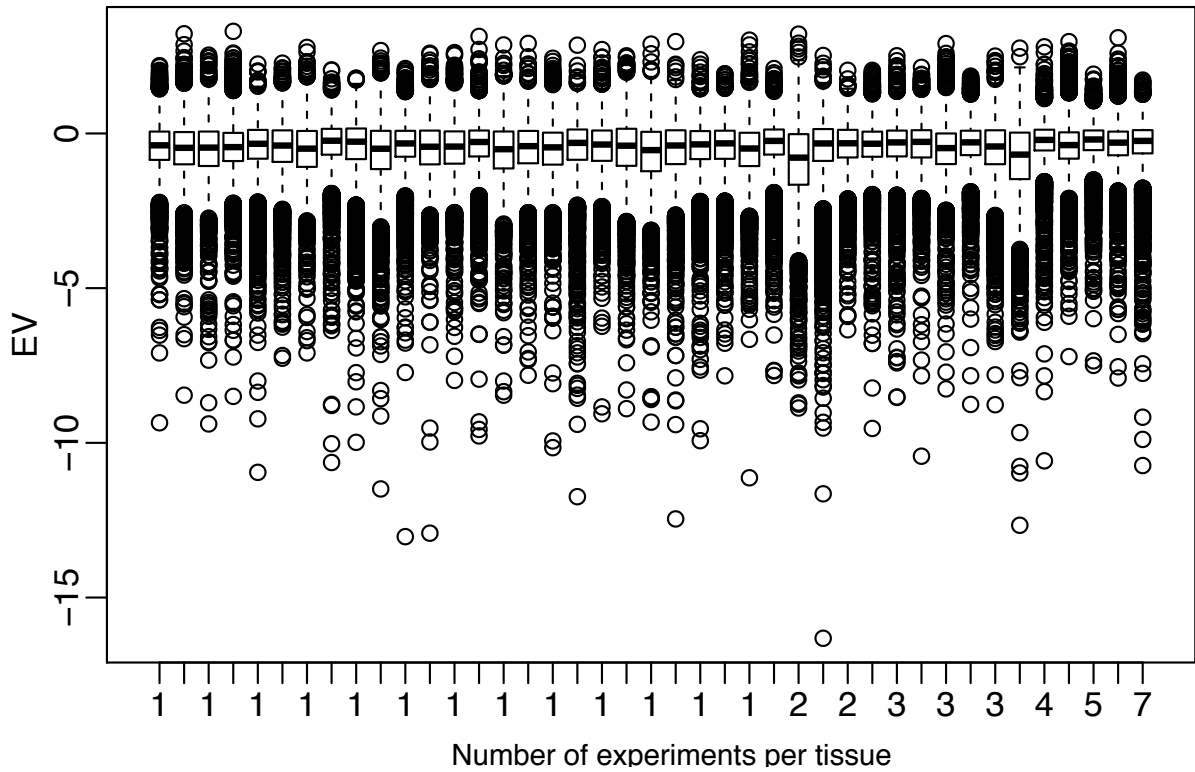


Figure 2. EV is independent of the number of experiments per tissue in dataset. We show the distribution of EV per tissue and indicate the number of GEO experiments used to compile the set of microarrays for each tissue. The EV distribution is very similar across tissues regardless of the number of GEO experiments included in the dataset.