

Figure S1: Climate data. Shown are the data from an Environment and Climate Change Canada weather station located 18.5 km from our field site, at 43° 32" N, 80° 42" W. We sampled on 5 July 2017 and 6 July 2018, shown in C.

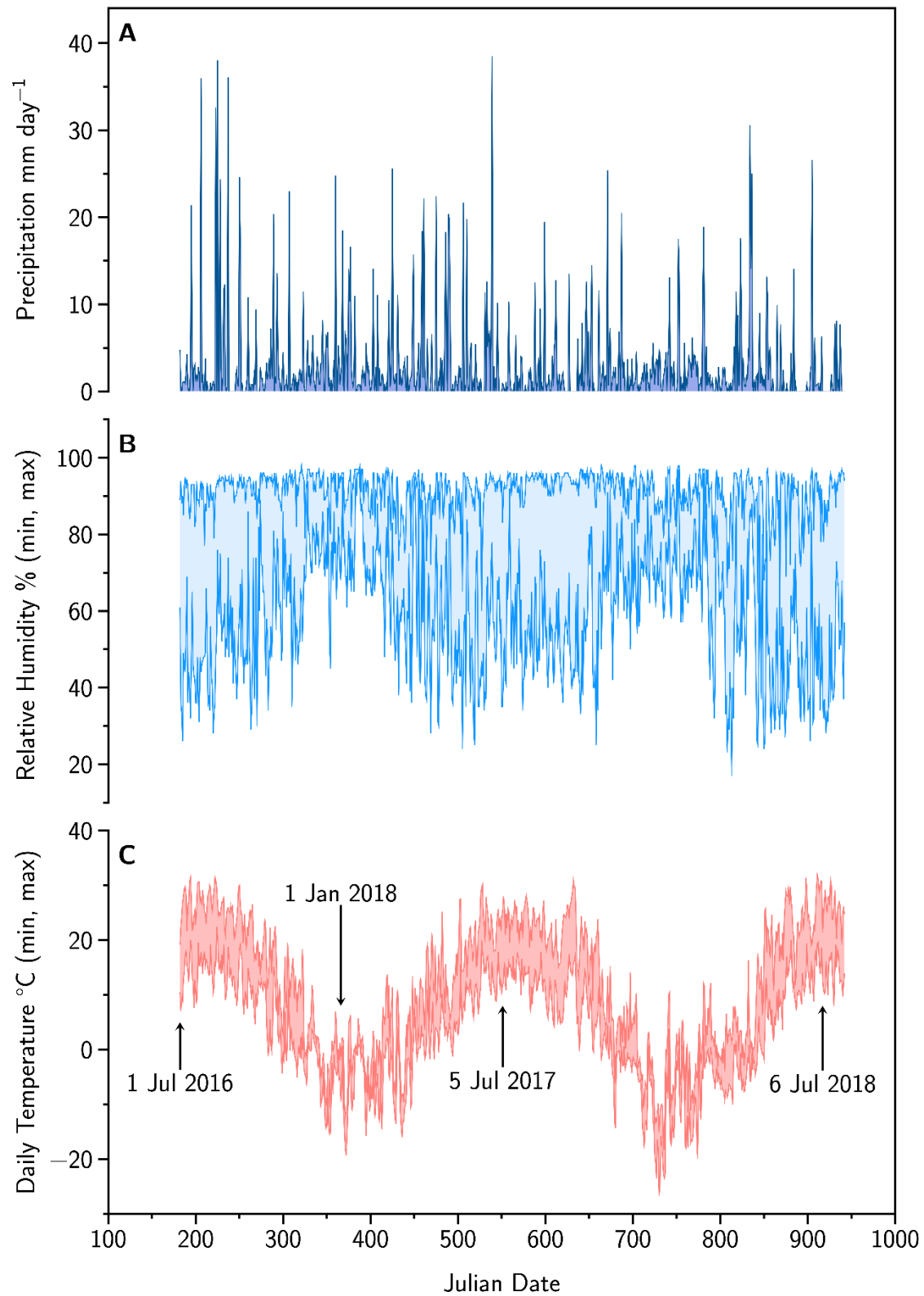


Figure S2. Rarefaction curves of ASVs and number of reads for all samples, separated by *Epichloë coenophiala* treatment and year. E+: common toxic strain; AR542: novel strain; E-: *Epichloë*-free control. Curves plateau for most samples, suggesting adequate sequencing depth.

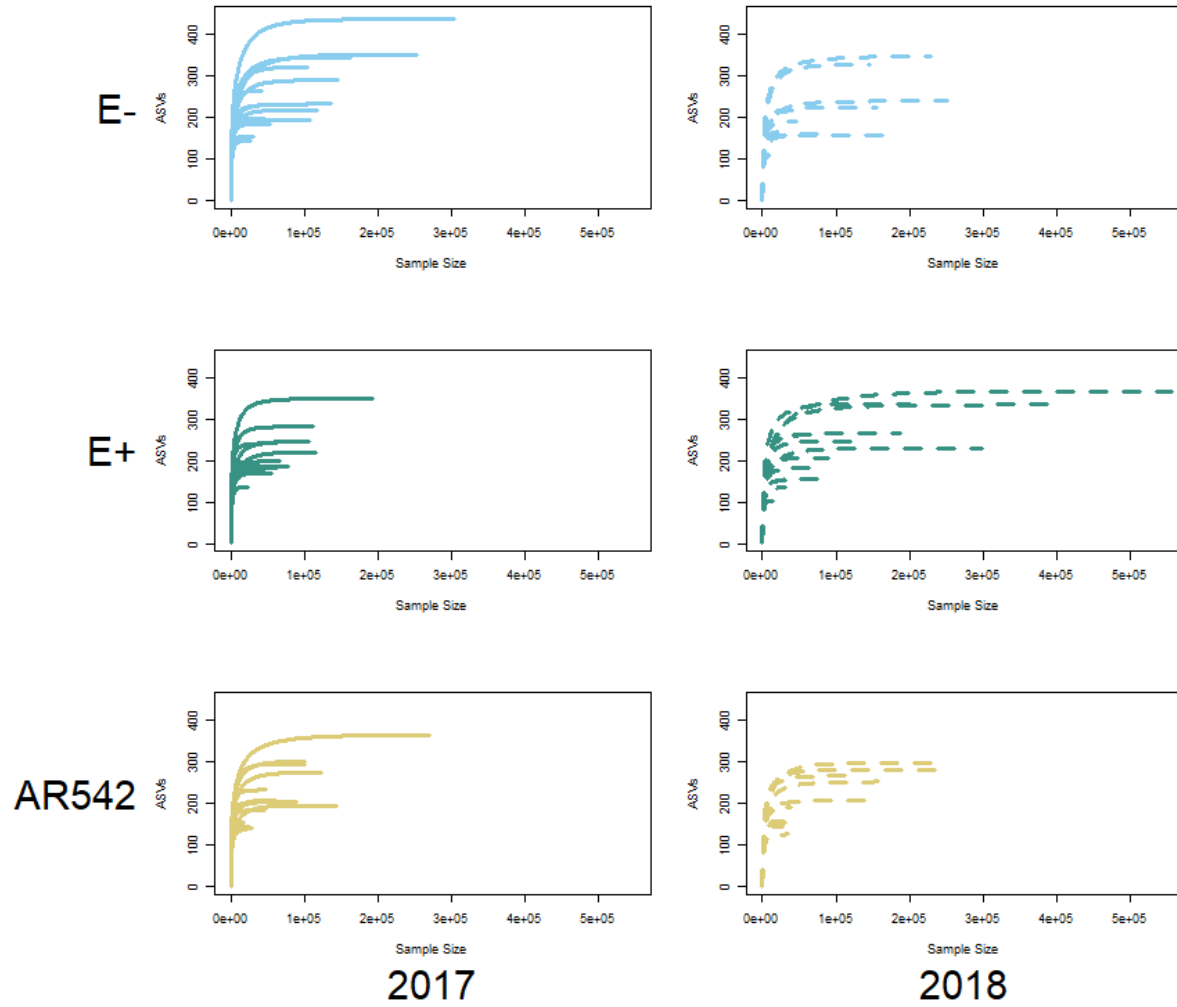
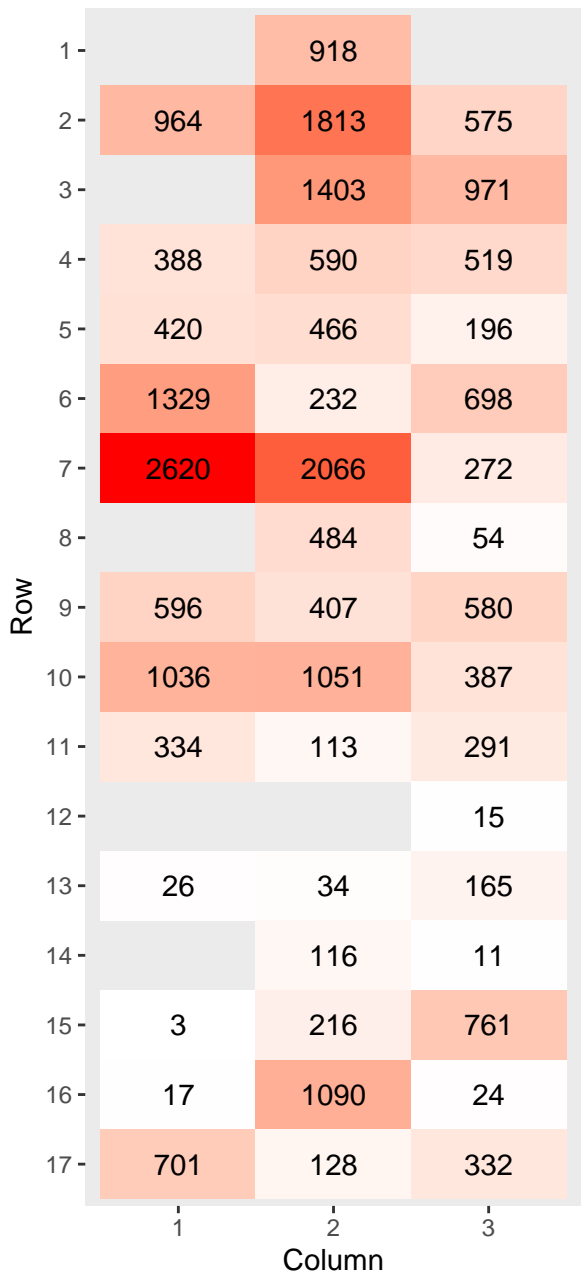


Figure S3. Field maps of 15 ASVs with similar abundance patterns across years. For plant ID information, see Figure 1 in the main text.

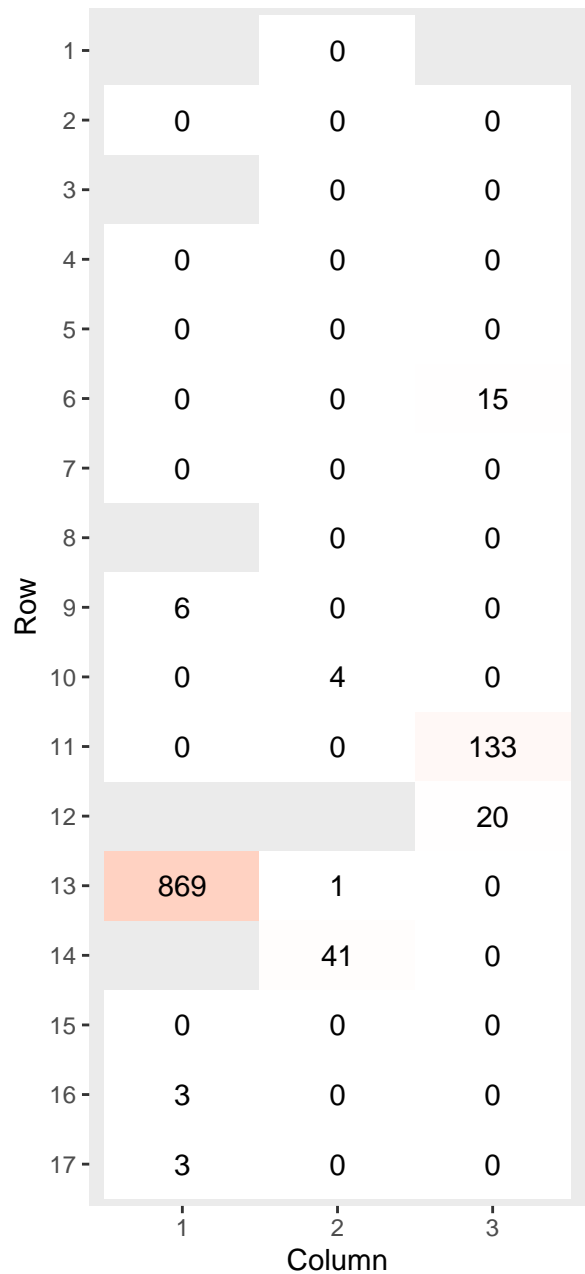
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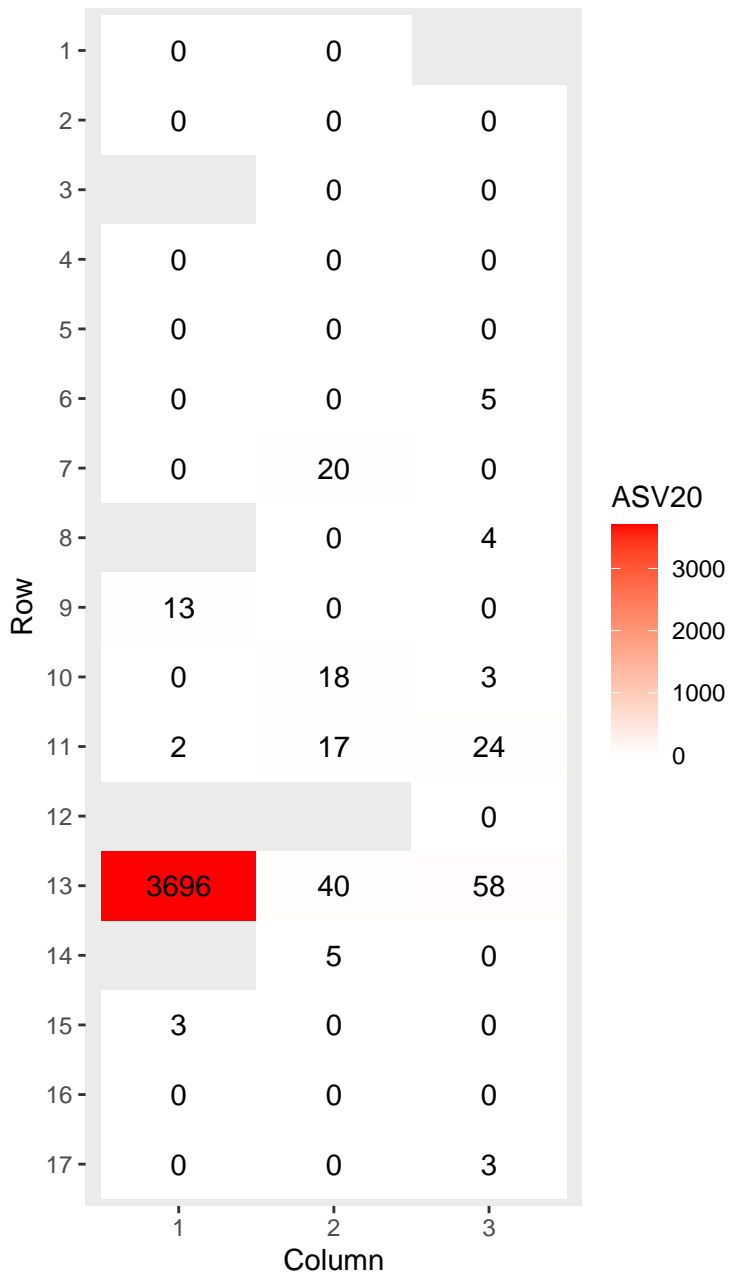
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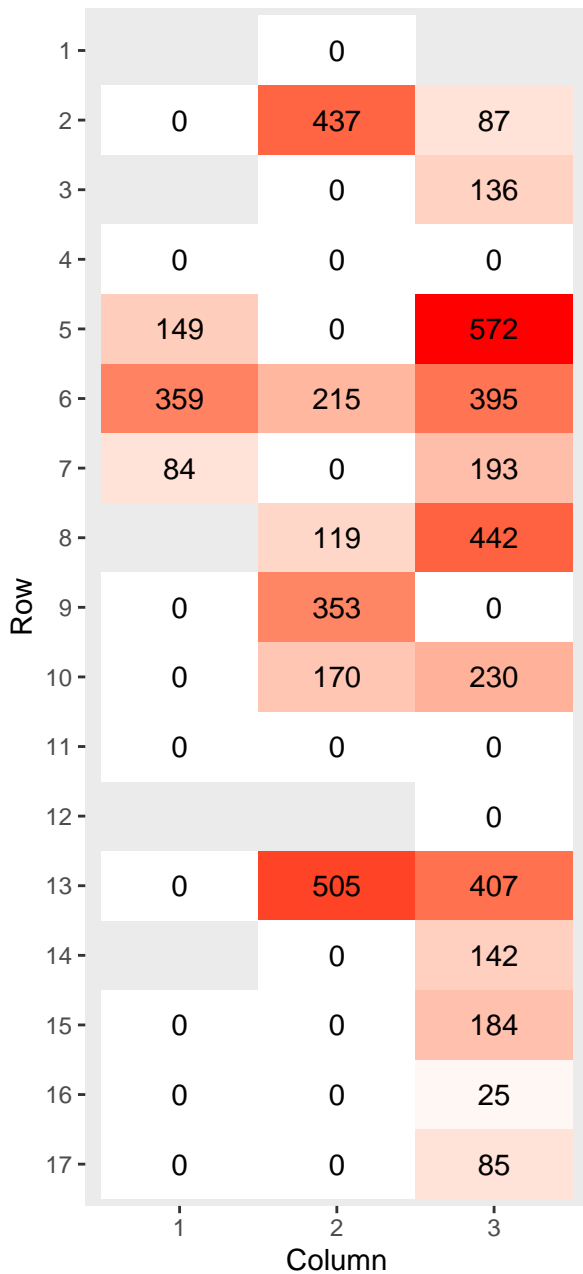
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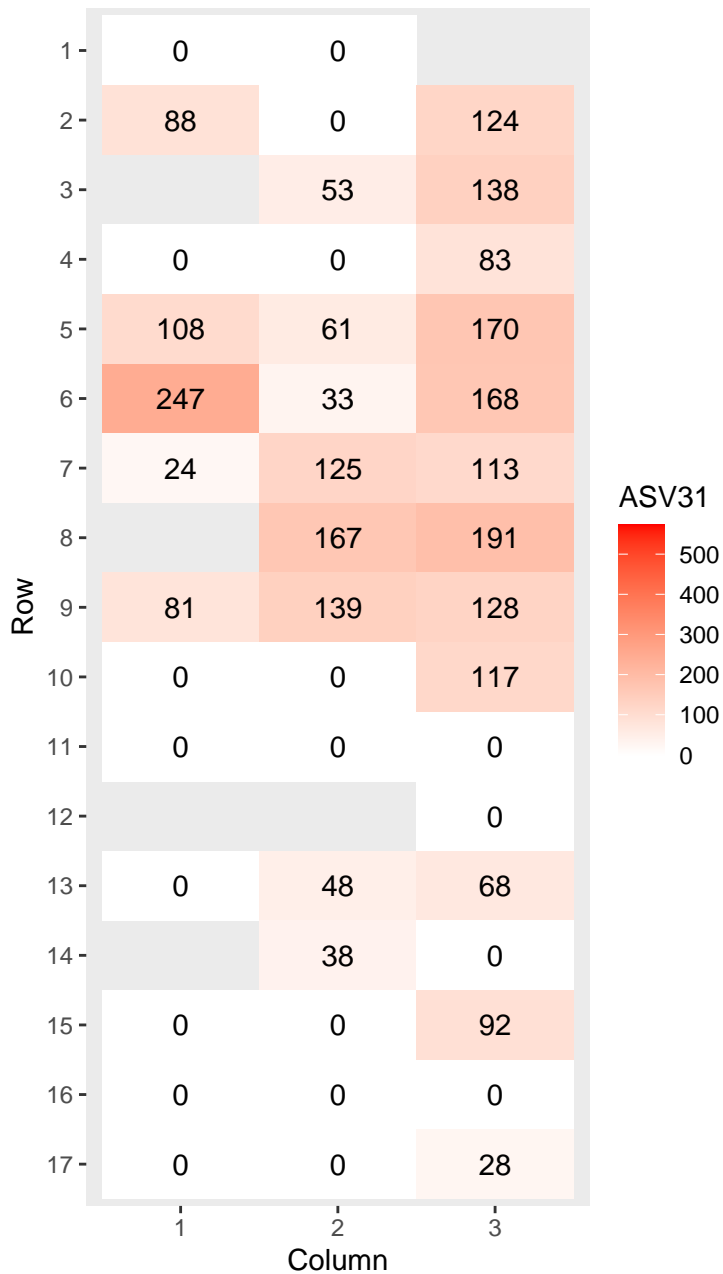
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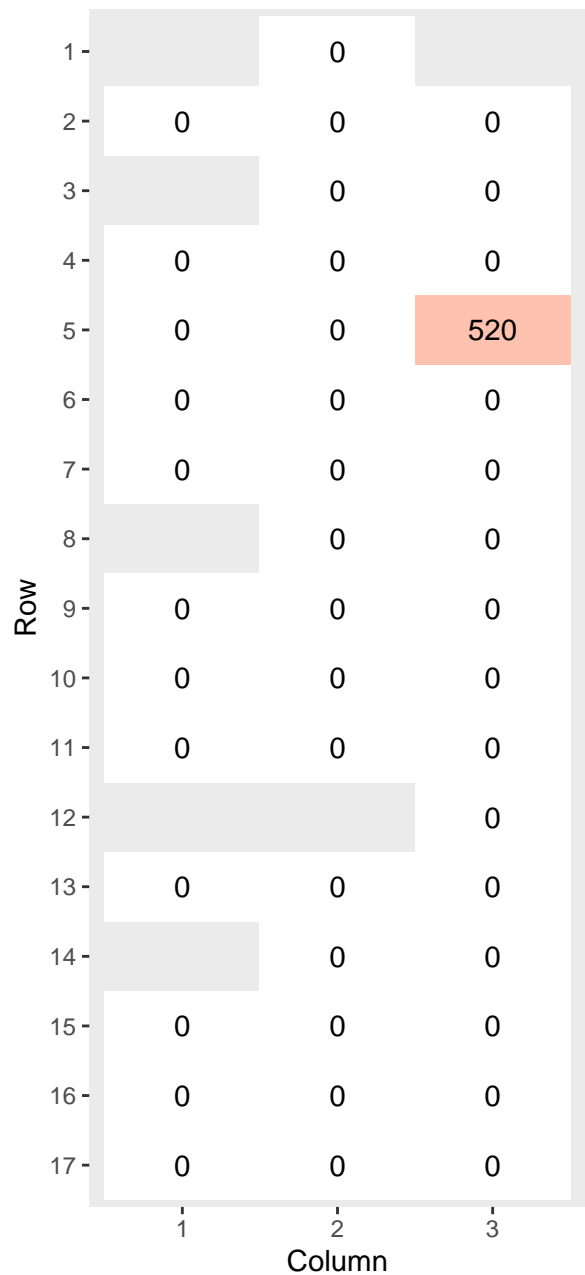
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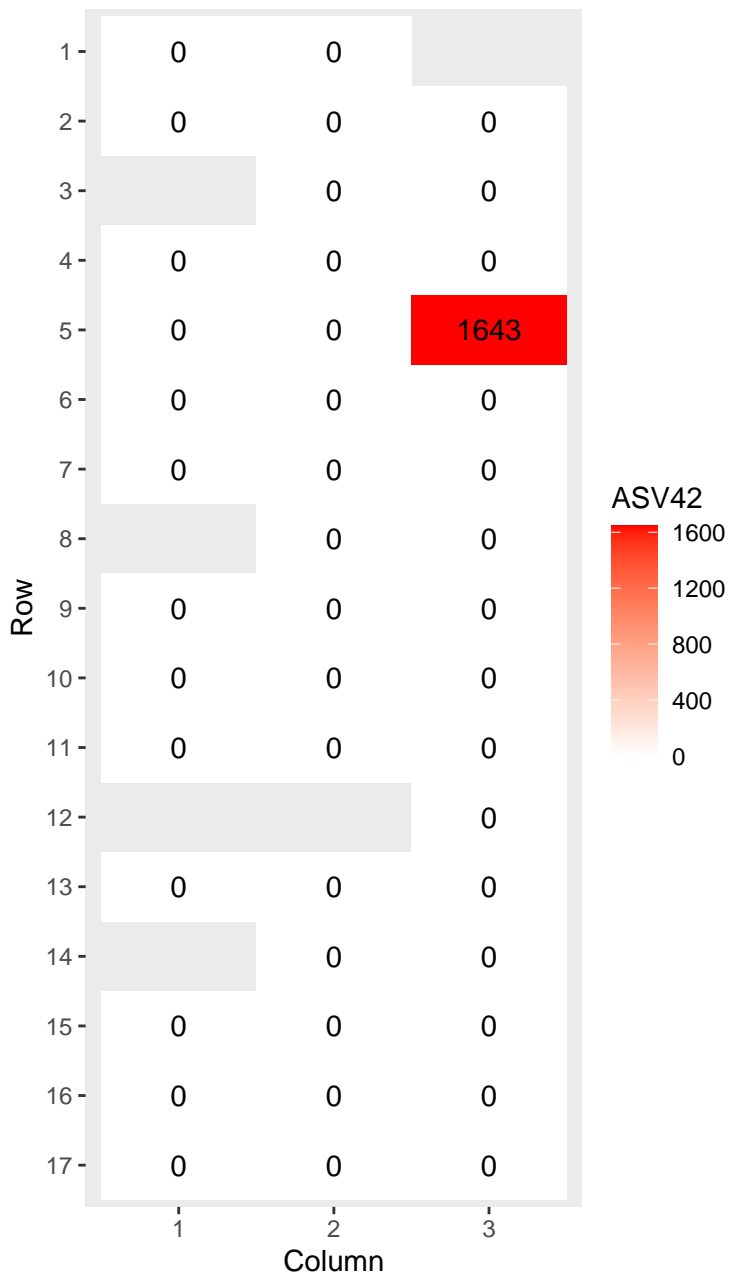
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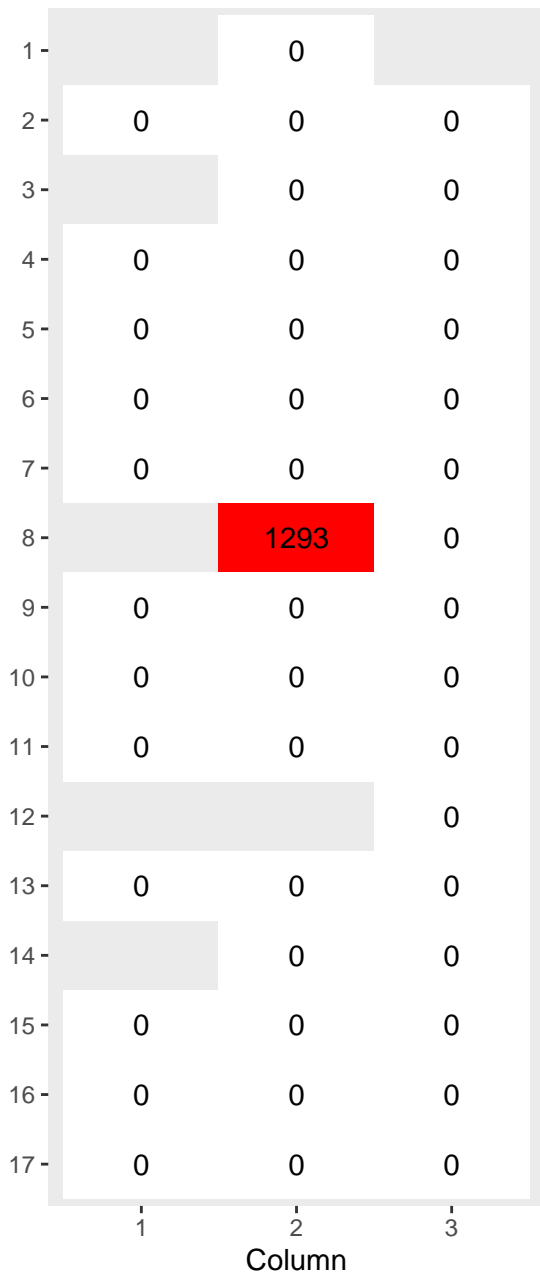
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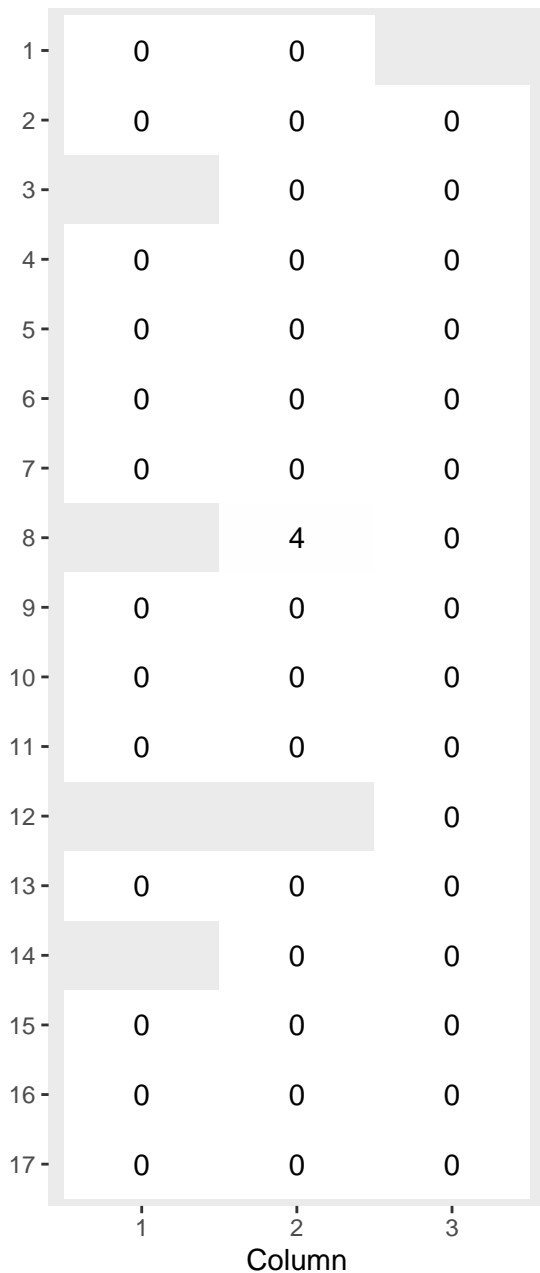
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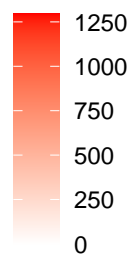
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Row



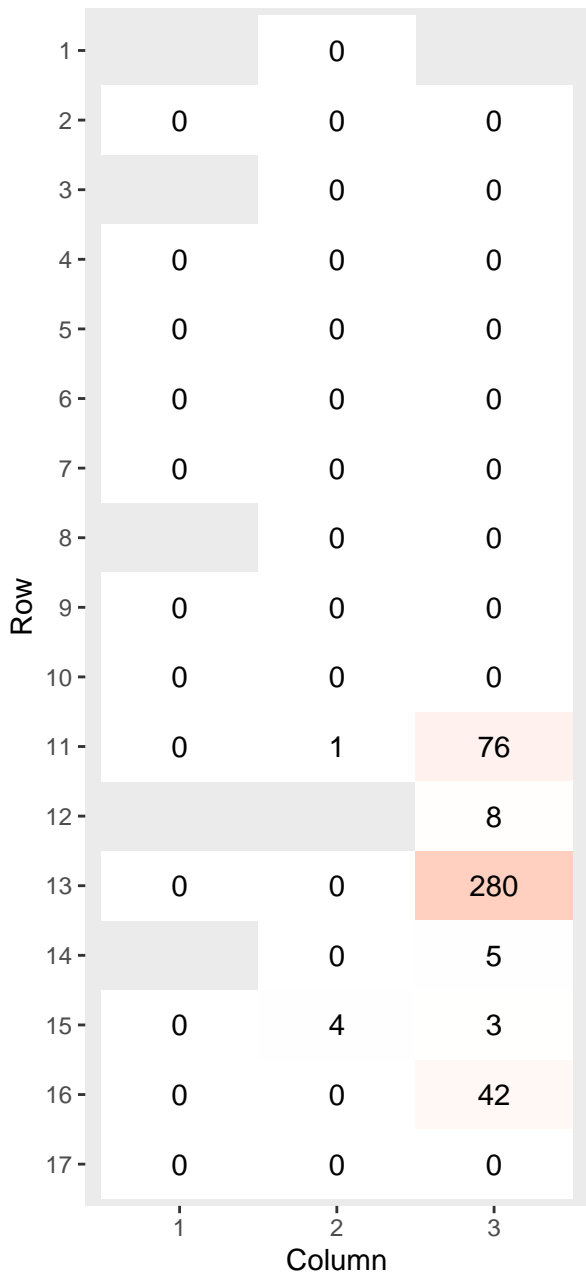
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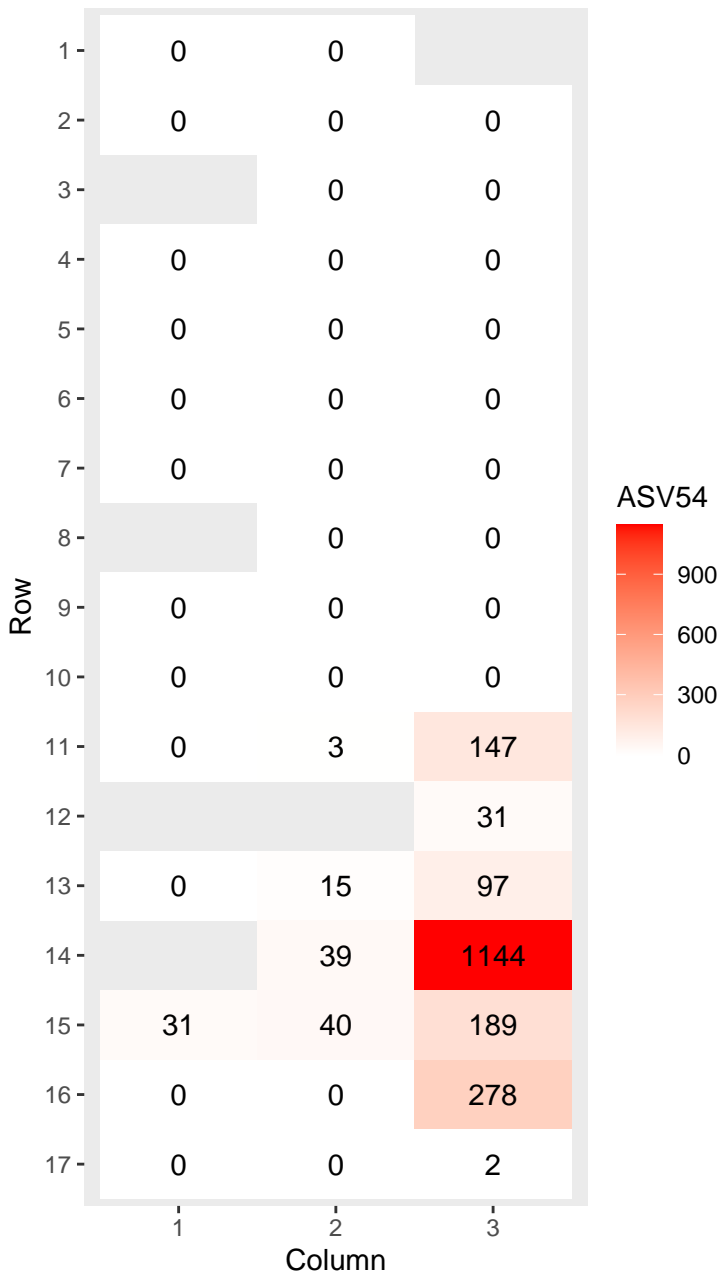
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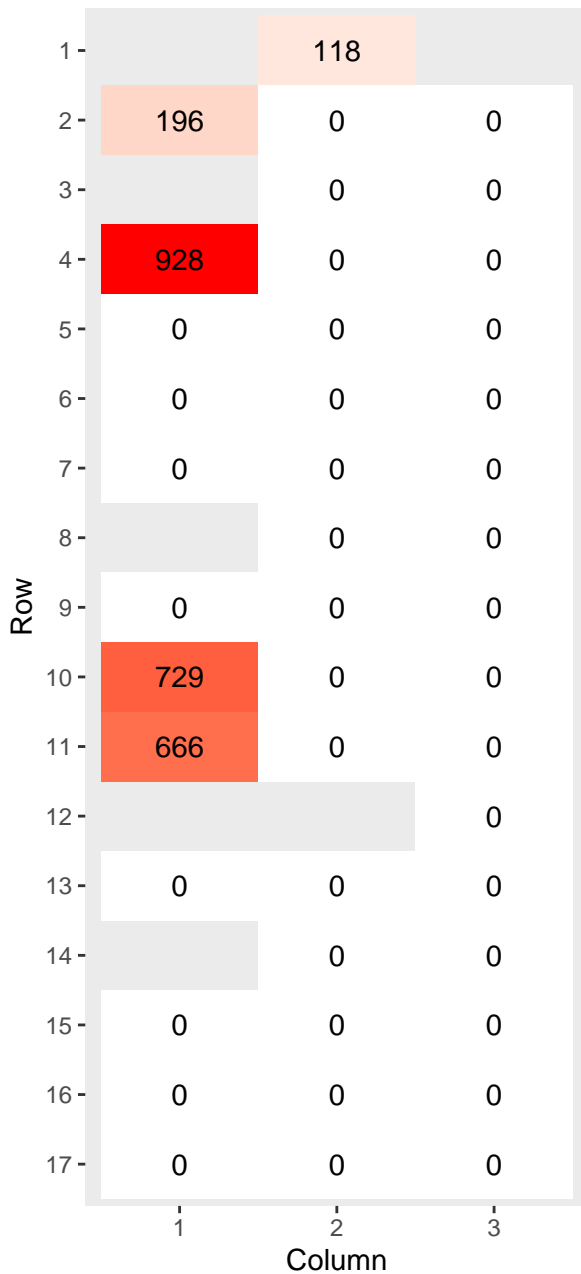
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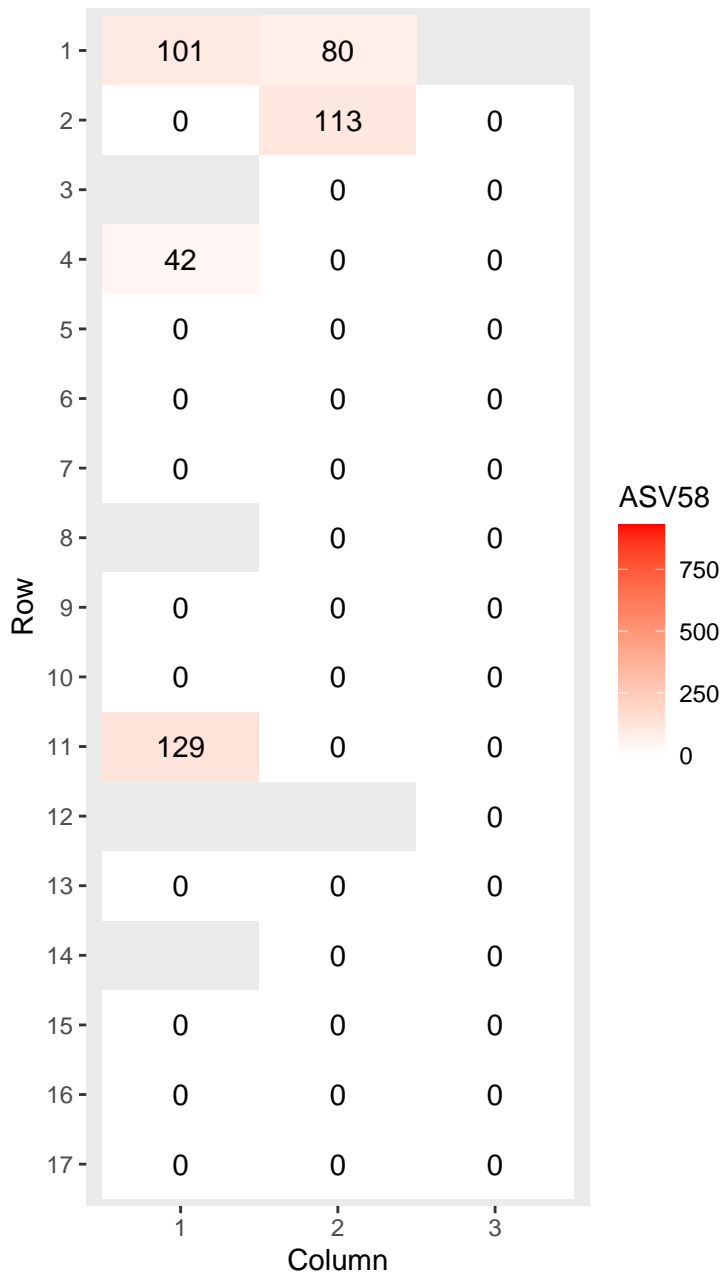
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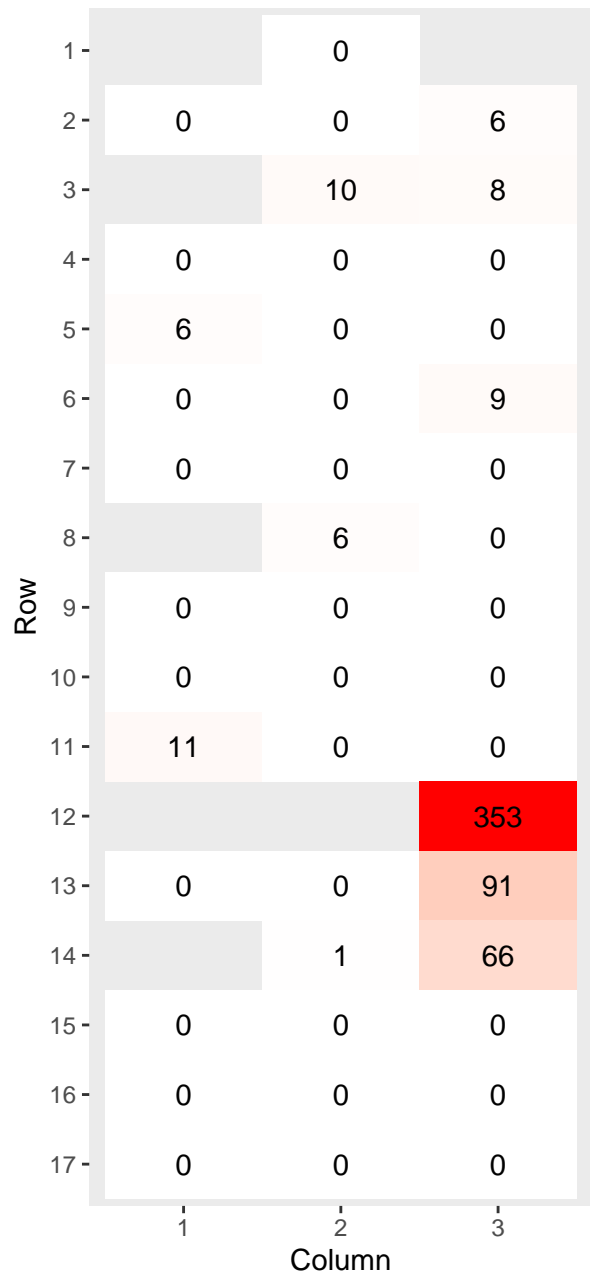
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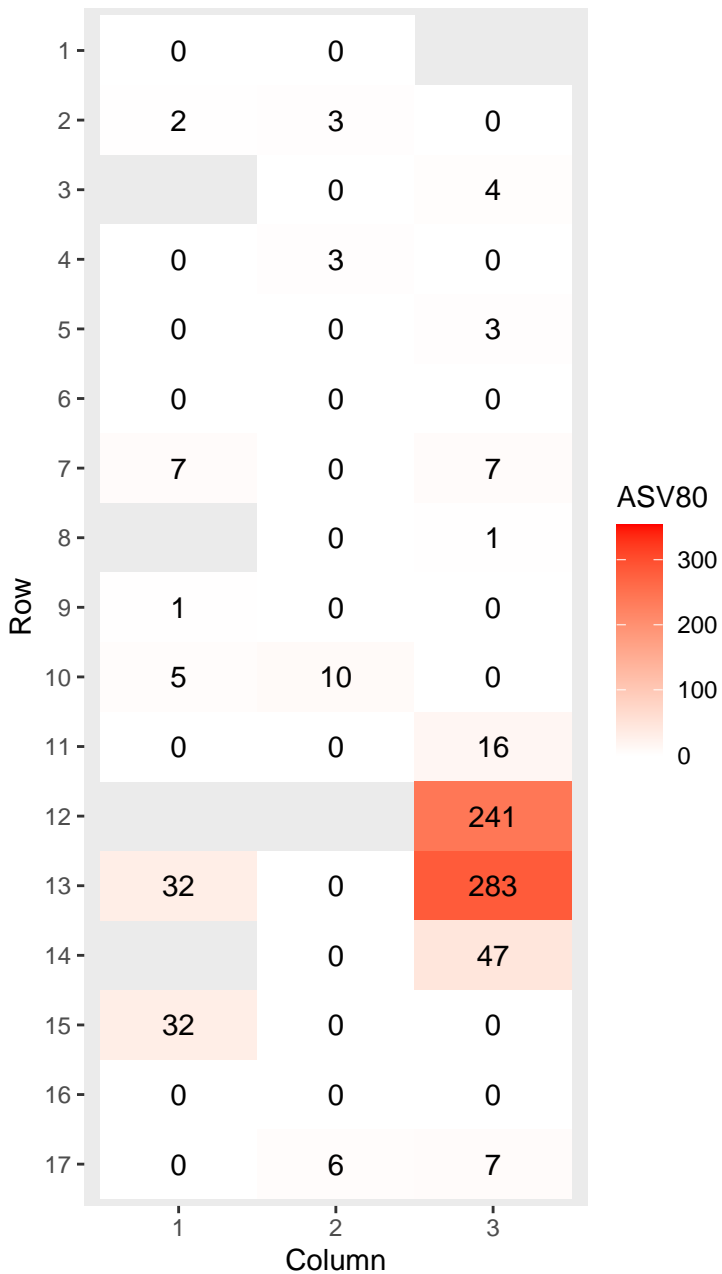
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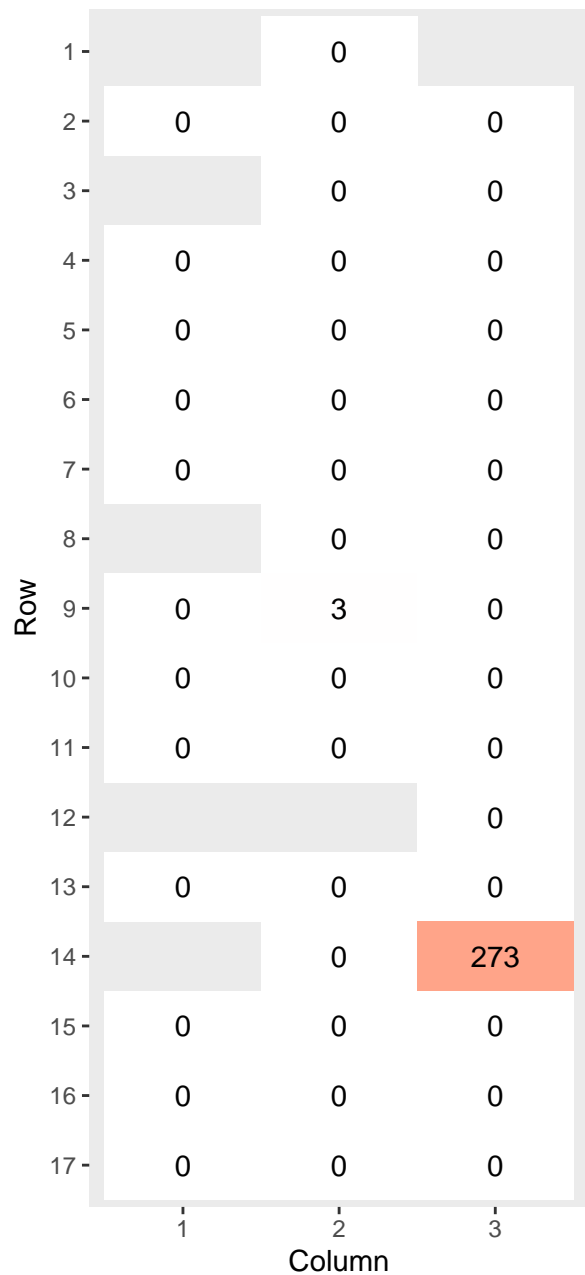
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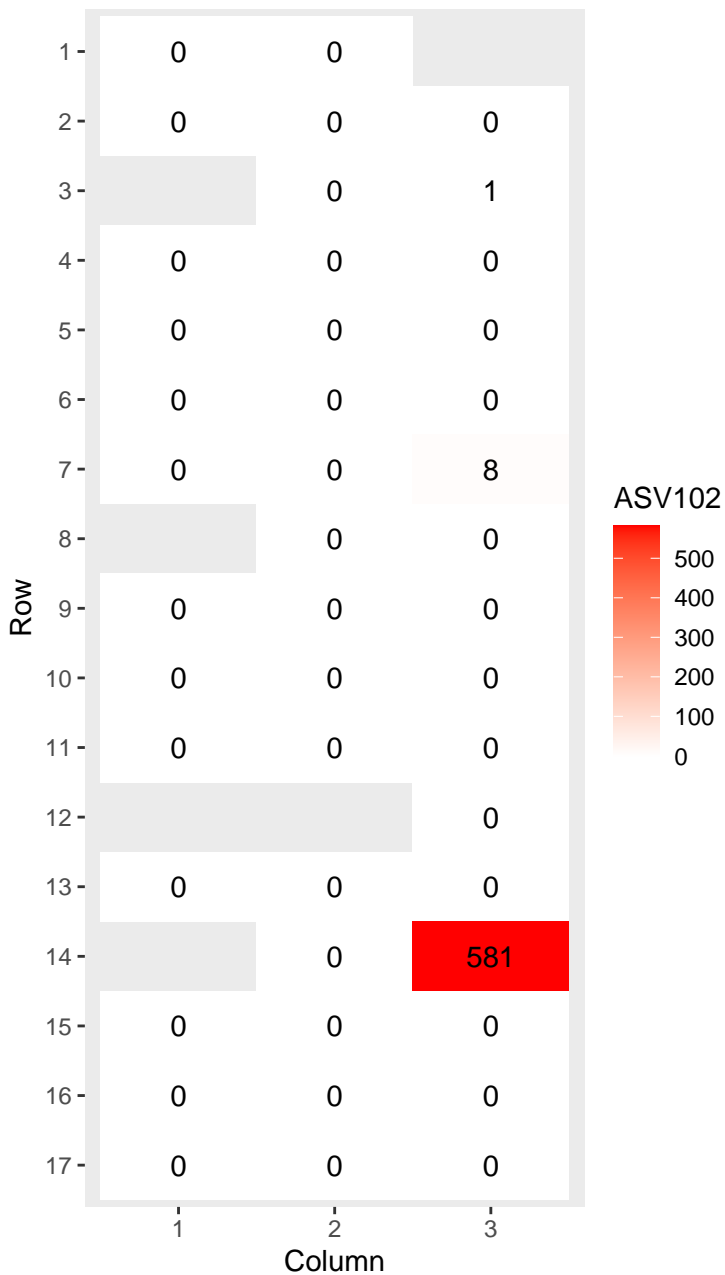
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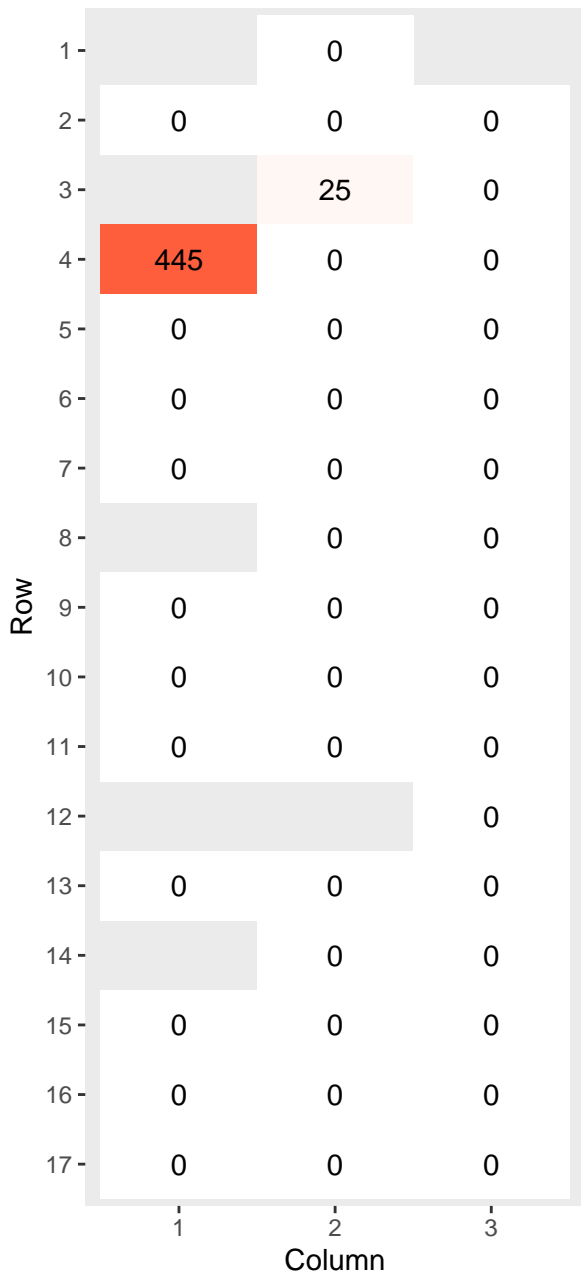
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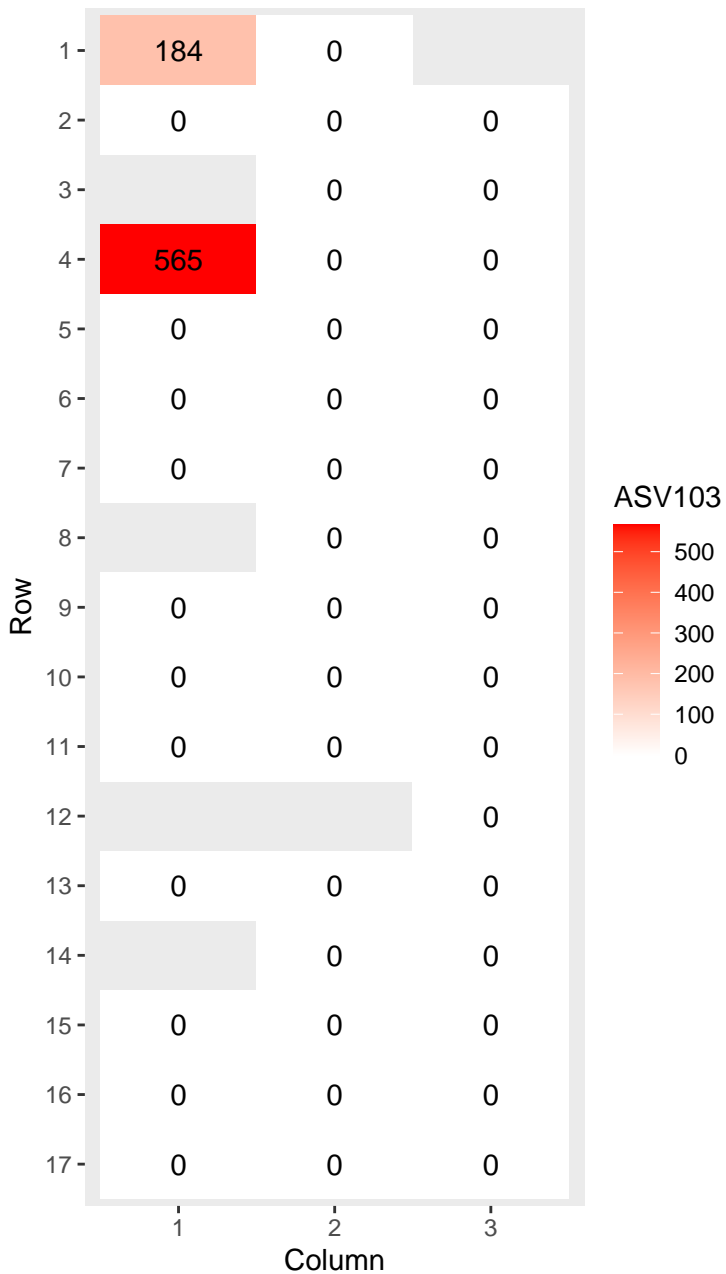
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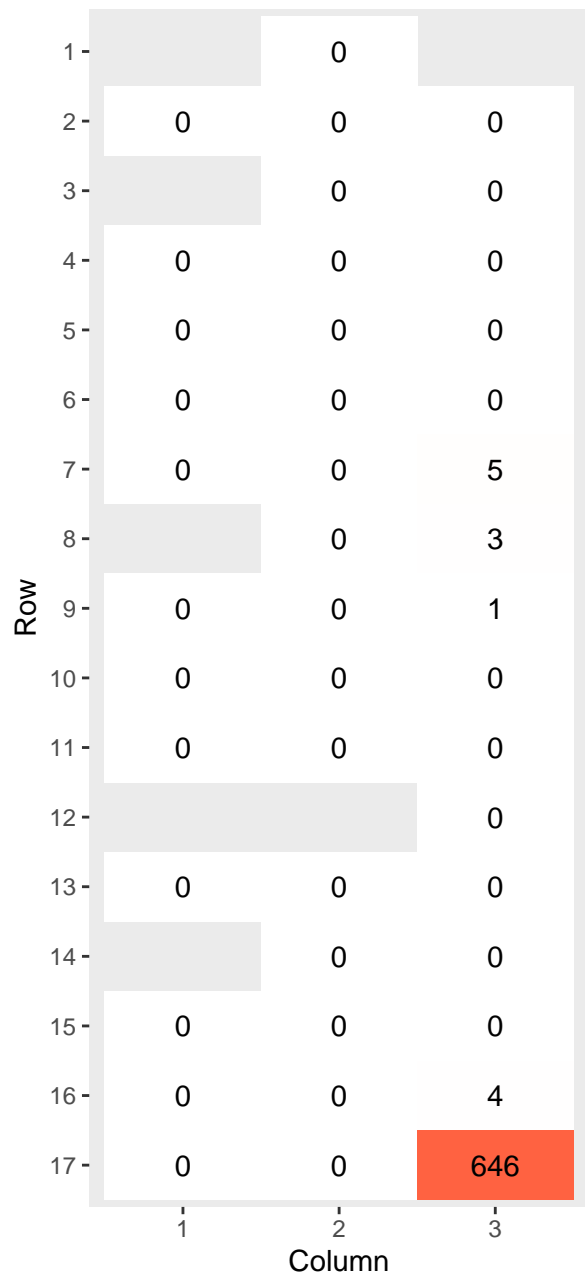
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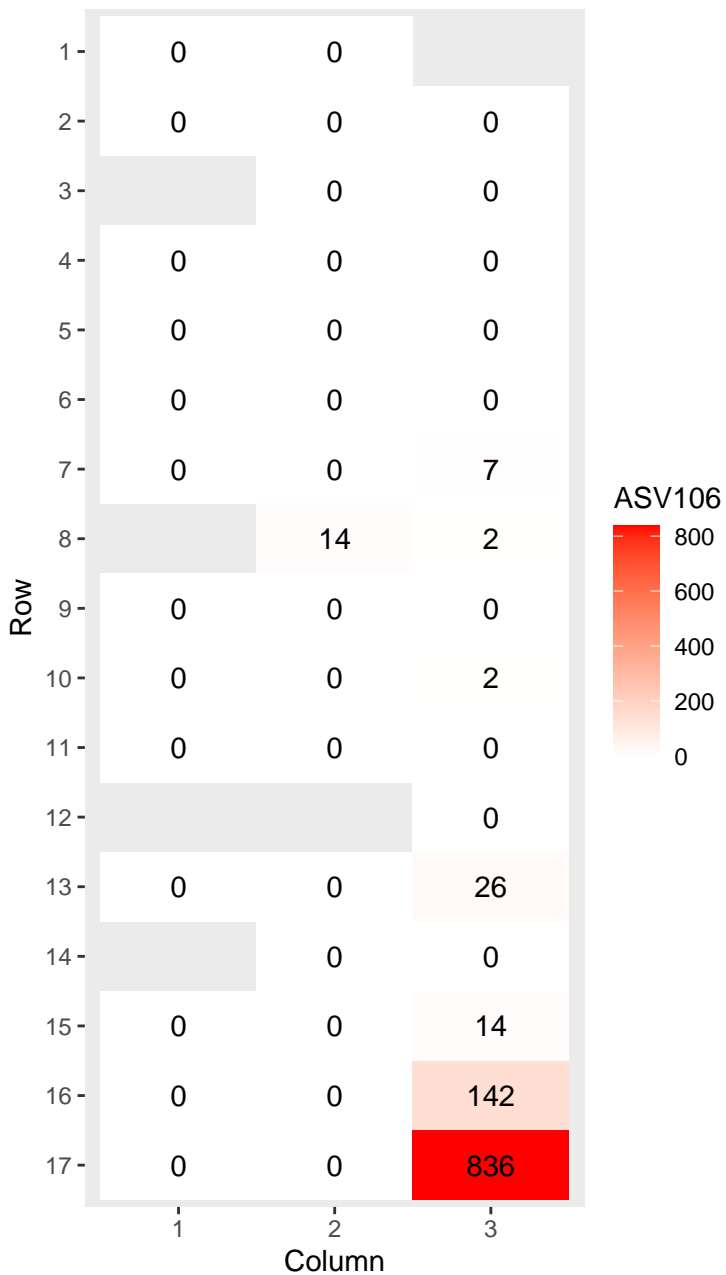
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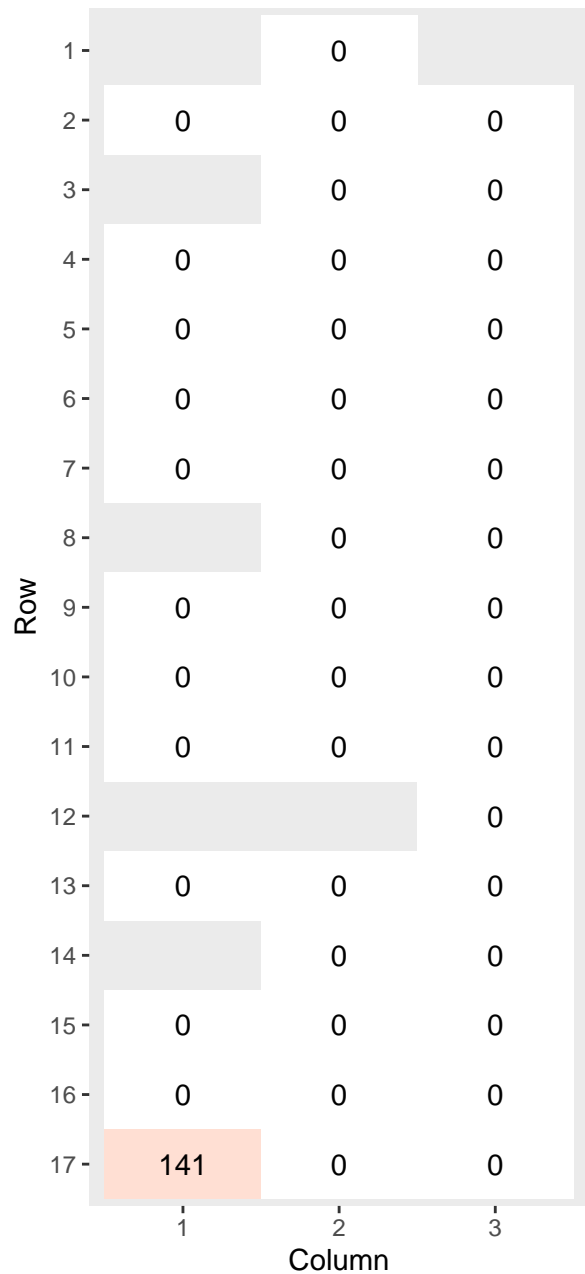
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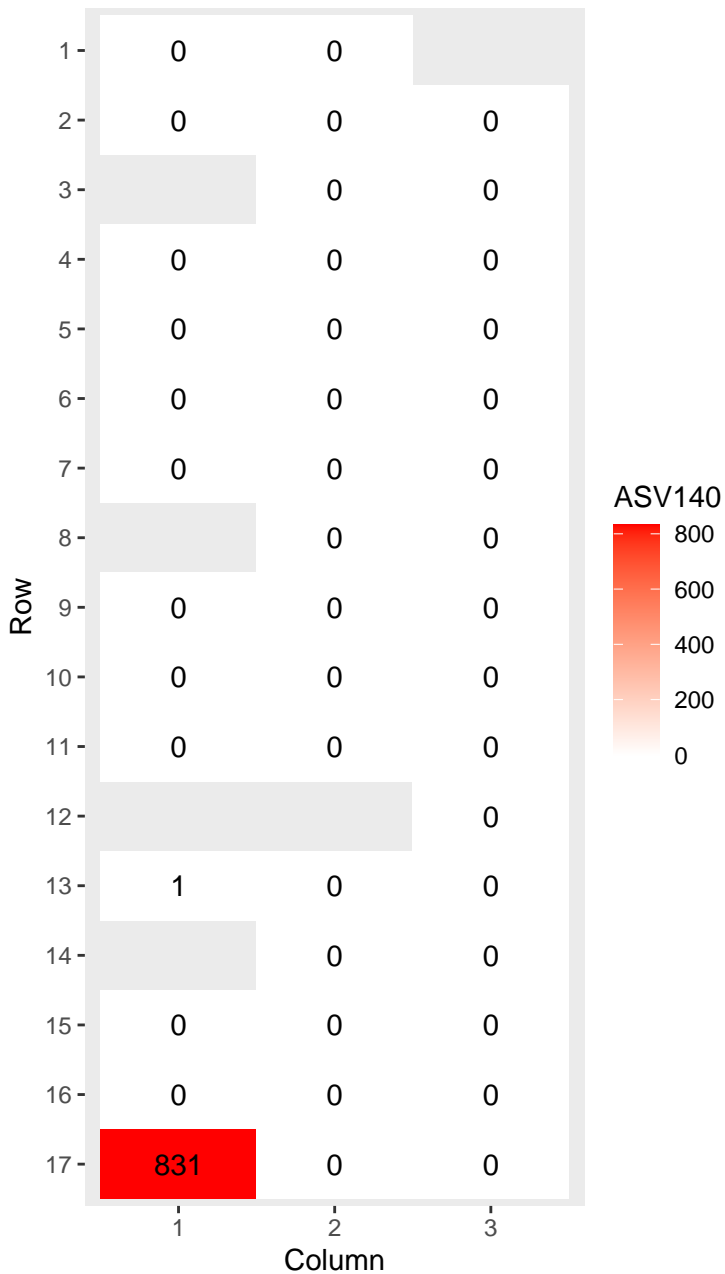
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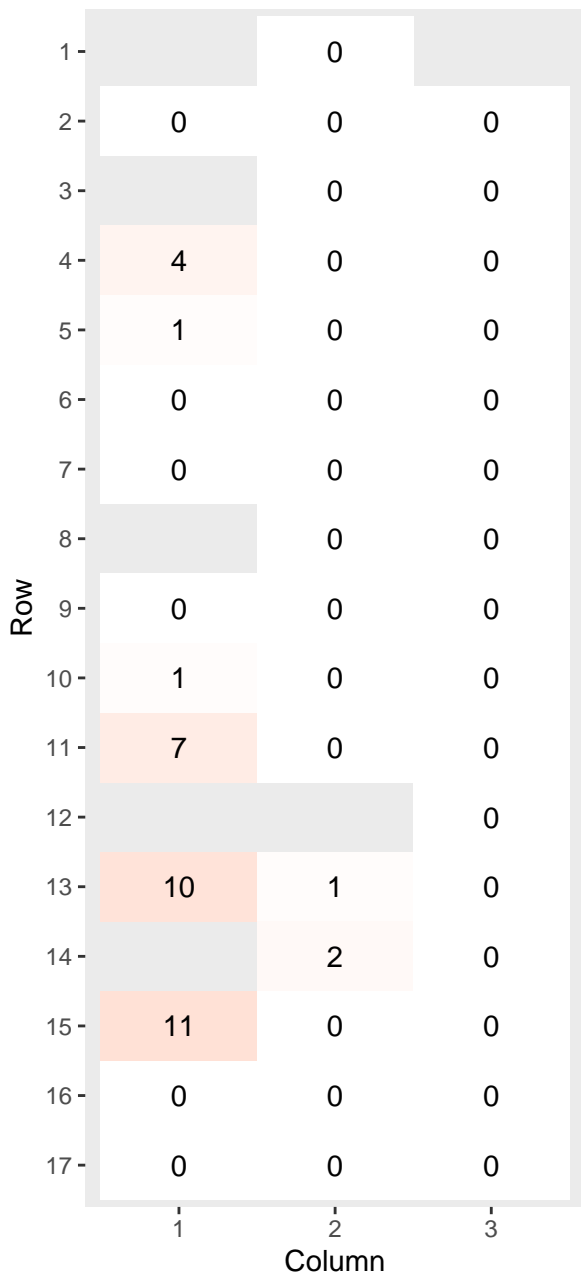
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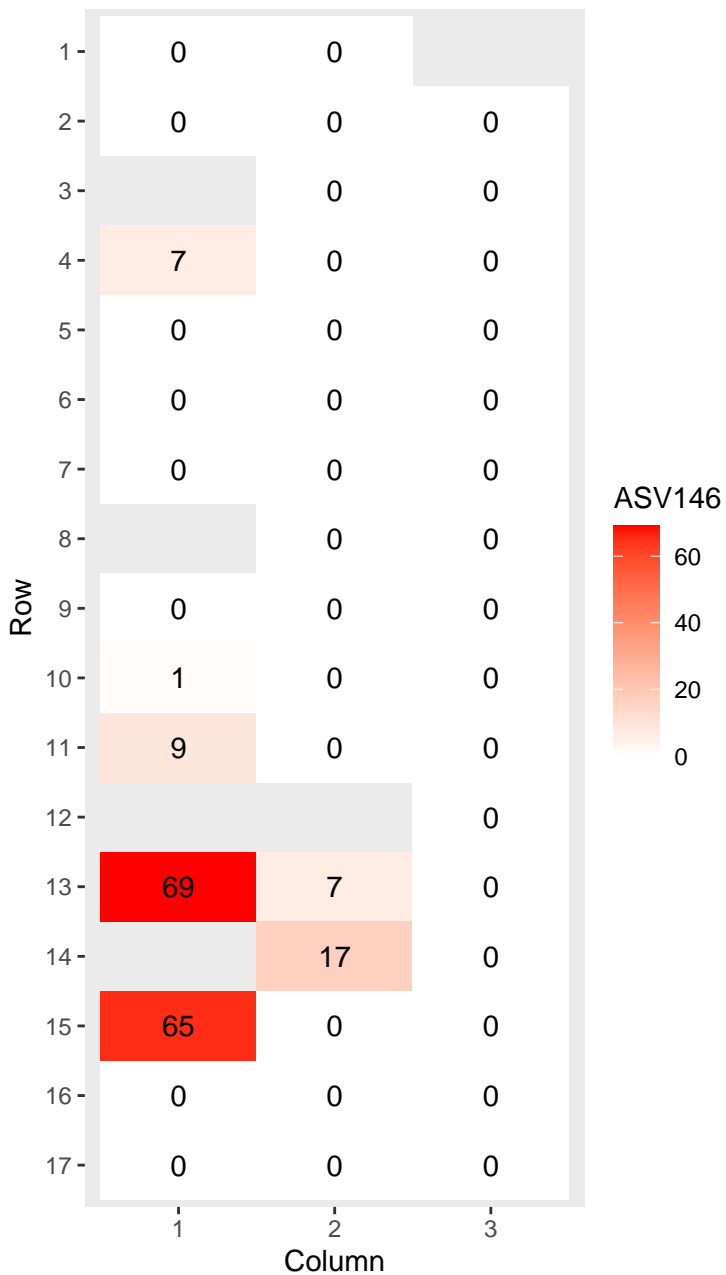
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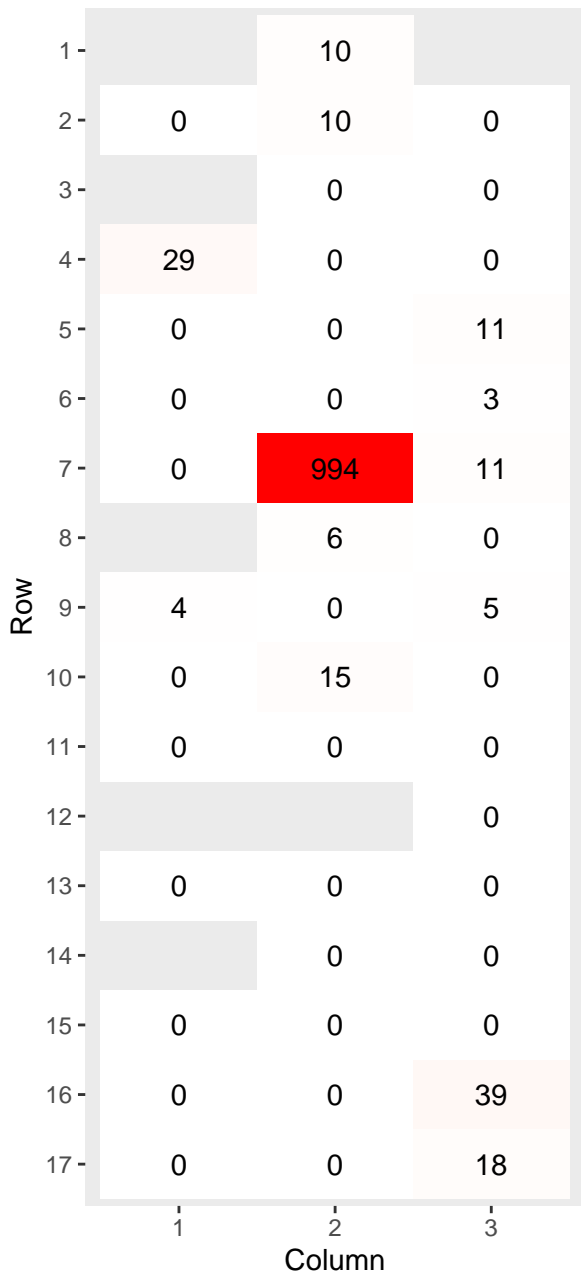
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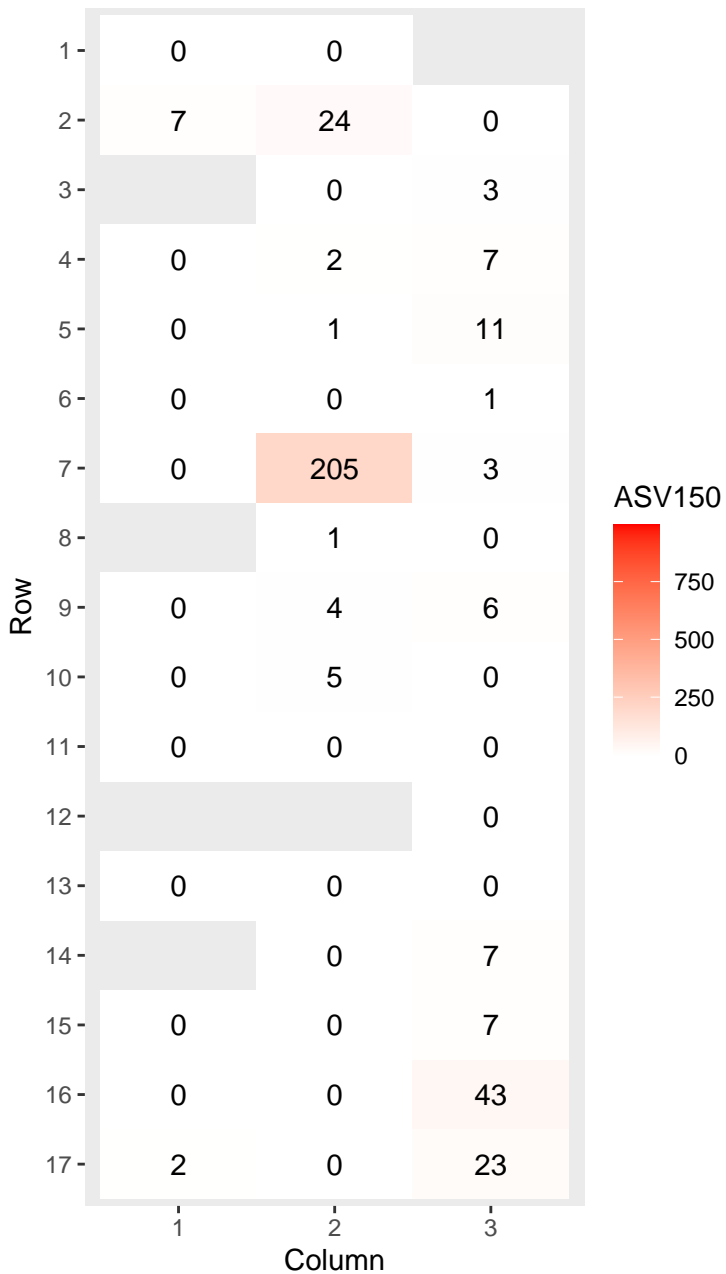
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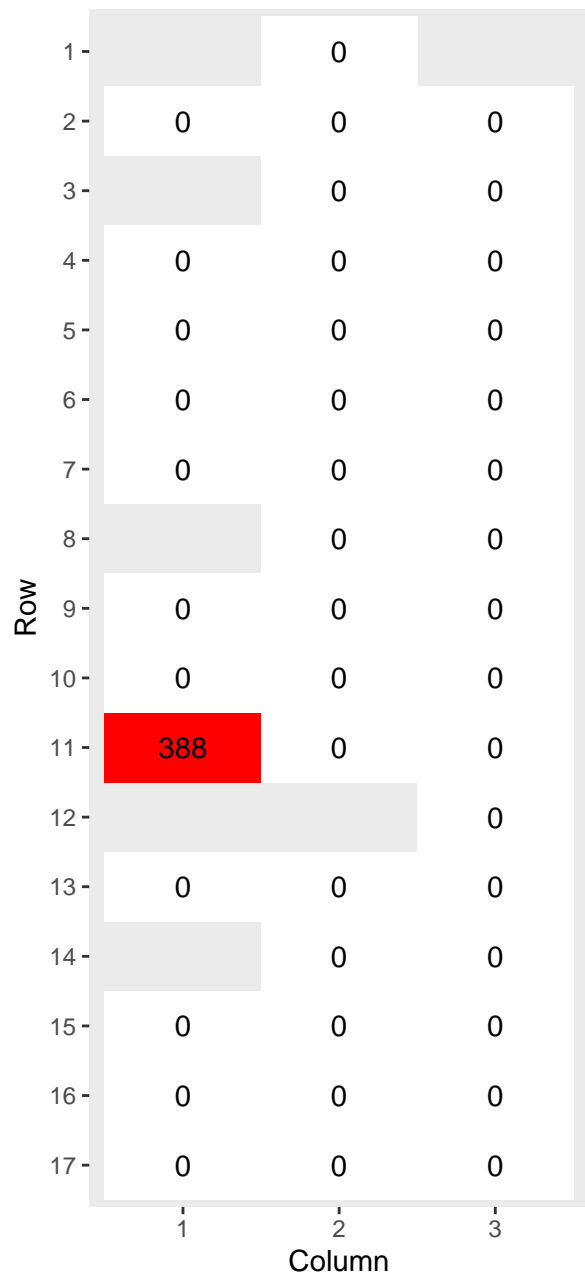
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