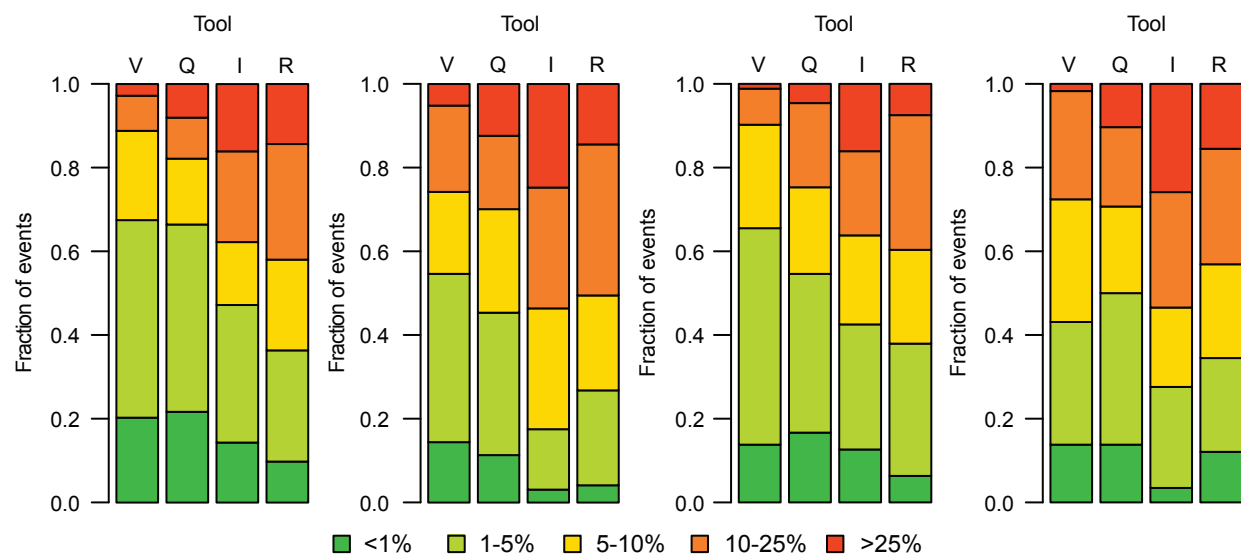
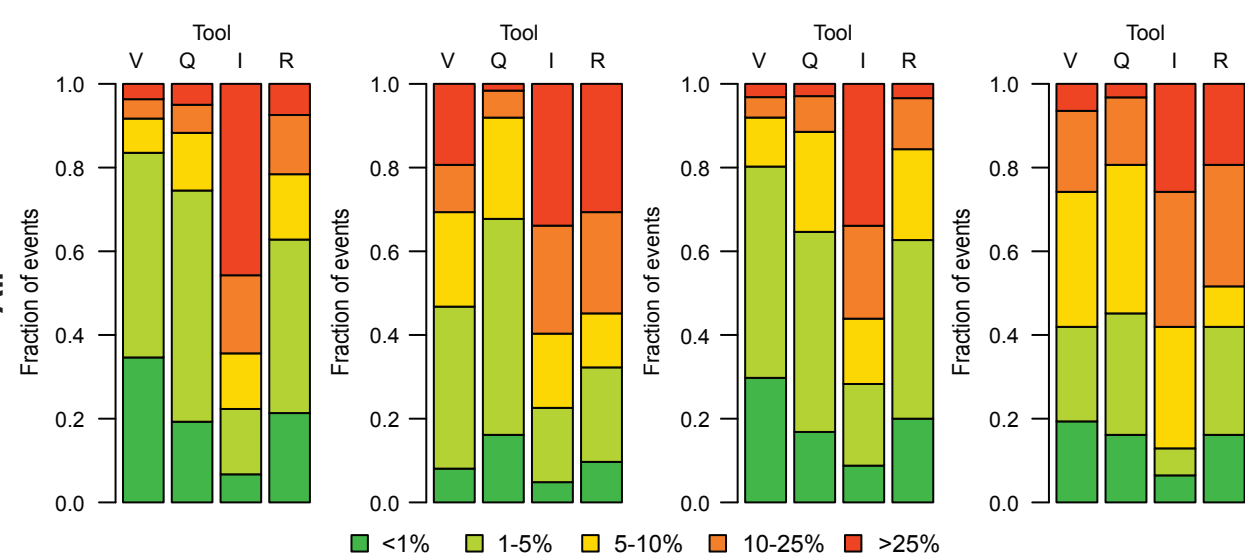
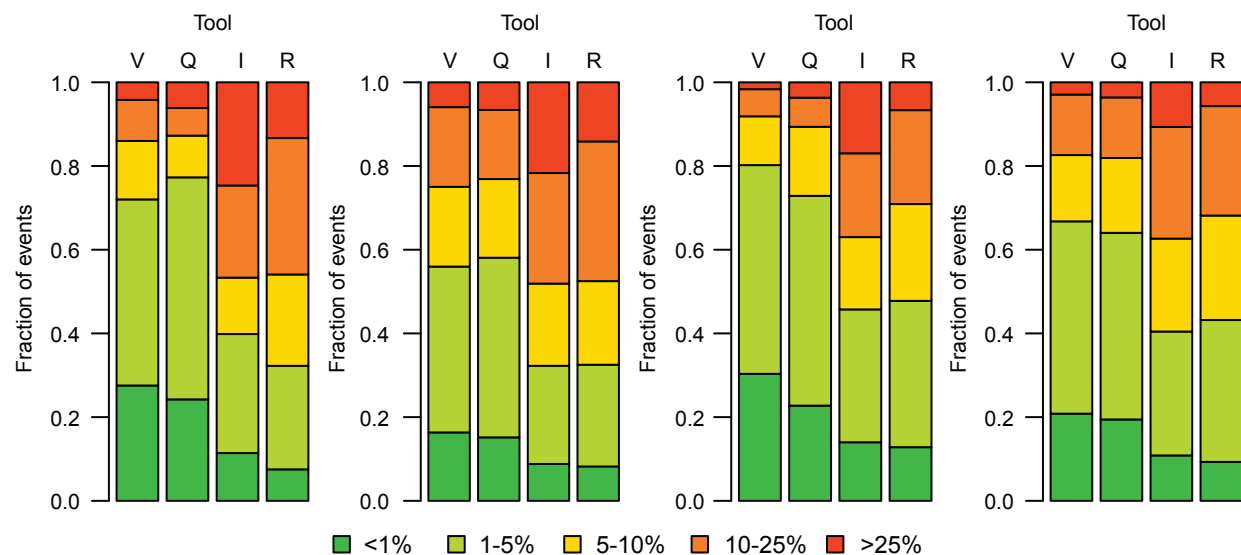
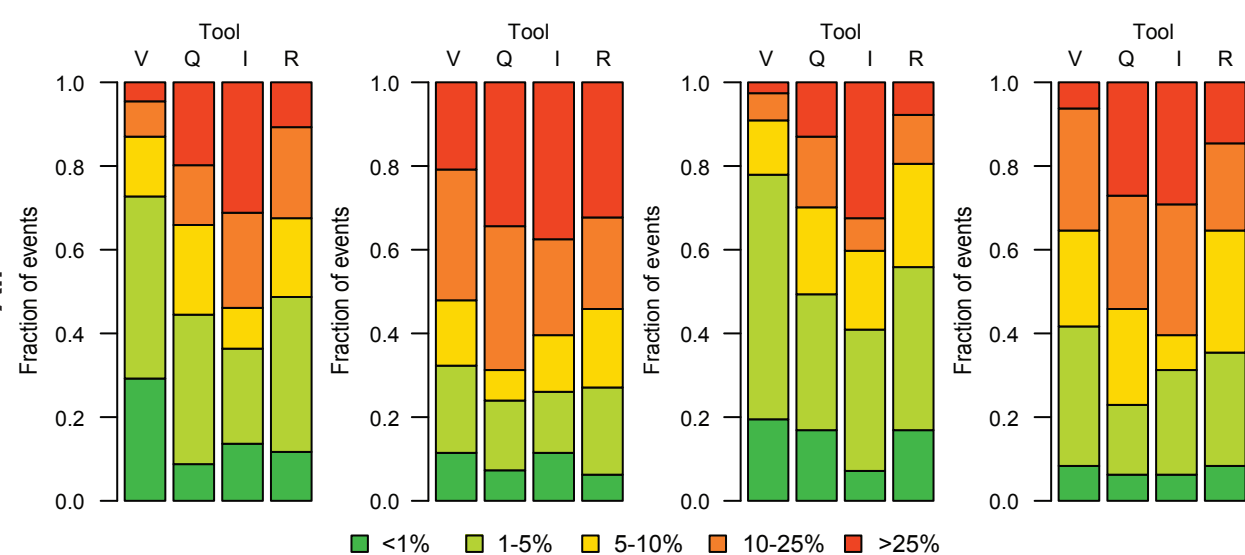
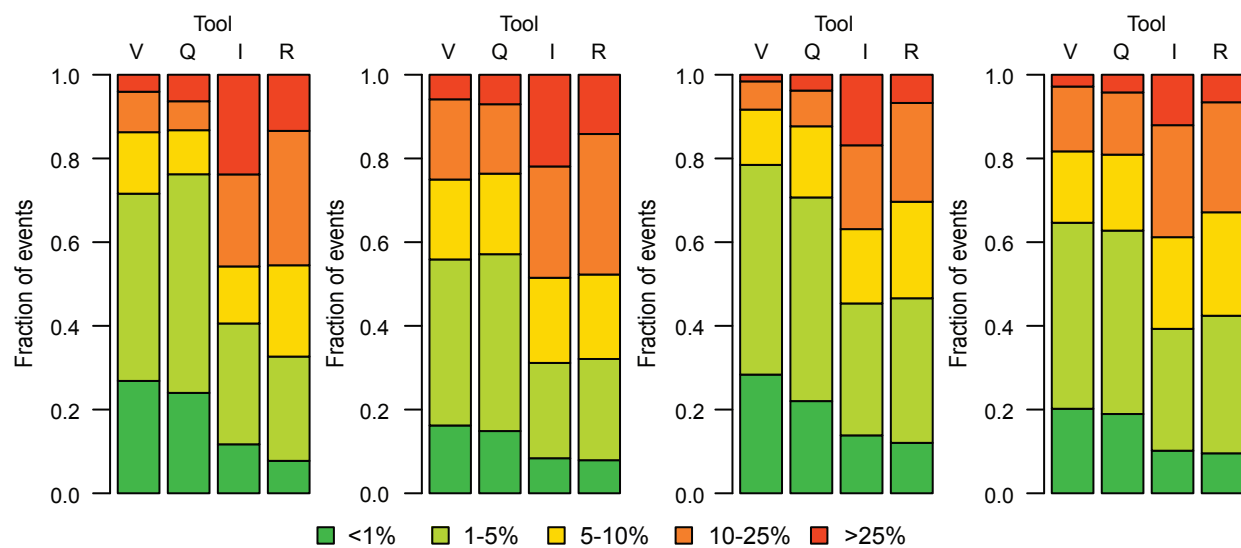
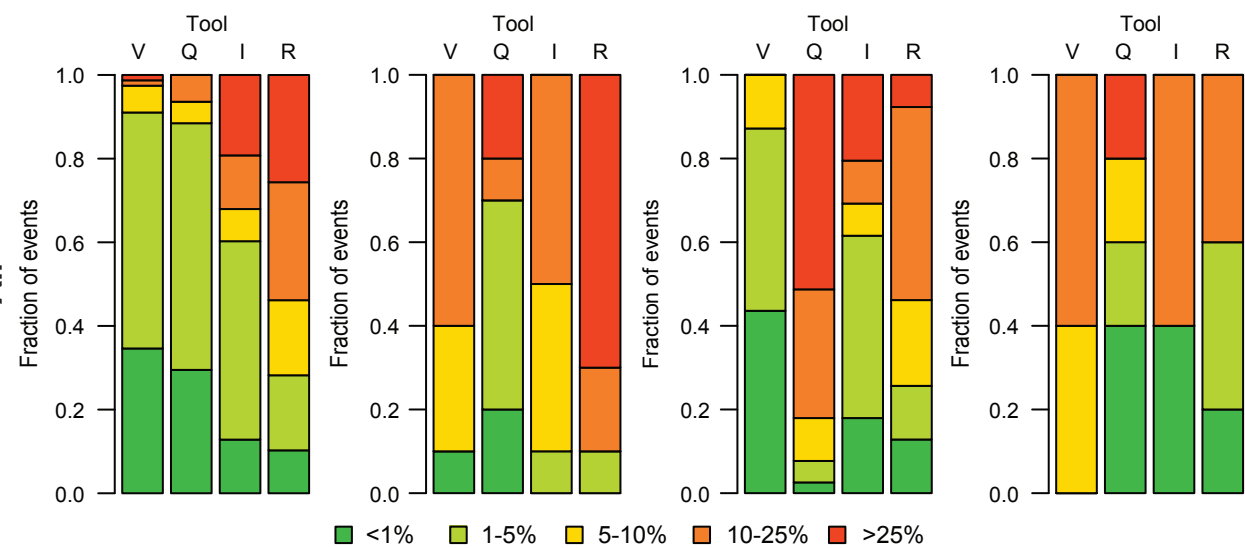


AltEx**PSI simple****PSI complex** **Δ PSI simple** **Δ PSI complex****Low coverage****Alt3****PSU simple****PSU complex** **Δ PSU simple** **Δ PSU complex****All****High coverage****Alt5****PSU simple****PSU complex** **Δ PSU simple** **Δ PSU complex****All****All****IR****PIR simple****PIR complex** **Δ PIR simple** **Δ PIR complex****All**

Supplemental Figure S3 – Benchmarking of *vast-tools*: accuracy on AS quantification using simulated reads

Test of accuracy for each tool for PSI and Δ PSI estimations for each type of AS event using simulated RNA-seq data. Each estimate was binned depending on its deviation from the ground truth (Δ PSI <1% [dark green], Δ PSI between 1-5% [light green], 5-10% [yellow], 10-25% [orange] or Δ PSI > 25% [red]). For AltEx events, exons were split based on whether the corresponding gene had a ratio of reads per nucleotide higher (high coverage) or lower (low coverage) than one in the simulated dataset. V: *vast-tools*, Q: MAJIQ, I: MISO, R: rMATS.