A

Legend: Arriba (A), deFuse (D), FusionCatcher (F), InFusion (I), PRADA (P), SOAPfuse (So), STAR-Fusion (St)

B

Legend: Arriba (A), deFuse (D), FusionCatcher (F), InFusion (I), PRADA (P), SOAPfuse (So), STAR-Fusion (St)

Row 1:
- spike-in 10^-3.47 pMol (SRR1659951)
- spike-in 10^-3.47 pMol (SRR1659960)
- spike-in 10^-4.17 pMol (SRR1659952)
- spike-in 10^-4.17 pMol (SRR1659961)
- spike-in 10^-4.87 pMol (SRR1659953)

Row 2:
- spike-in 10^-4.87 pMol (SRR1659962)
- spike-in 10^-5.57 pMol (SRR1659954)
- spike-in 10^-5.57 pMol (SRR1659963)
- spike-in 10^-5.87 pMol (SRR1659959)
- spike-in 10^-5.87 pMol (SRR1659968)

Row 3:
- spike-in 10^-6.17 pMol (SRR1659955)
- spike-in 10^-6.17 pMol (SRR1659964)
- spike-in 10^-6.57 pMol (SRR1659956)
- spike-in 10^-6.57 pMol (SRR1659965)
- spike-in 10^-6.87 pMol (SRR1659957)

Row 4:
- spike-in 10^-6.87 pMol (SRR1659966)
- spike-in 10^-7.17 pMol (SRR1659958)
- spike-in 10^-7.17 pMol (SRR1659967)
- spike-in 10^-8.57 pMol (SRR1544075)
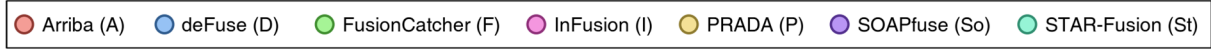- spike-in 10^-8.57 pMol (SRR1548811)

Y-axis label for each plot: peak memory usage [GB]
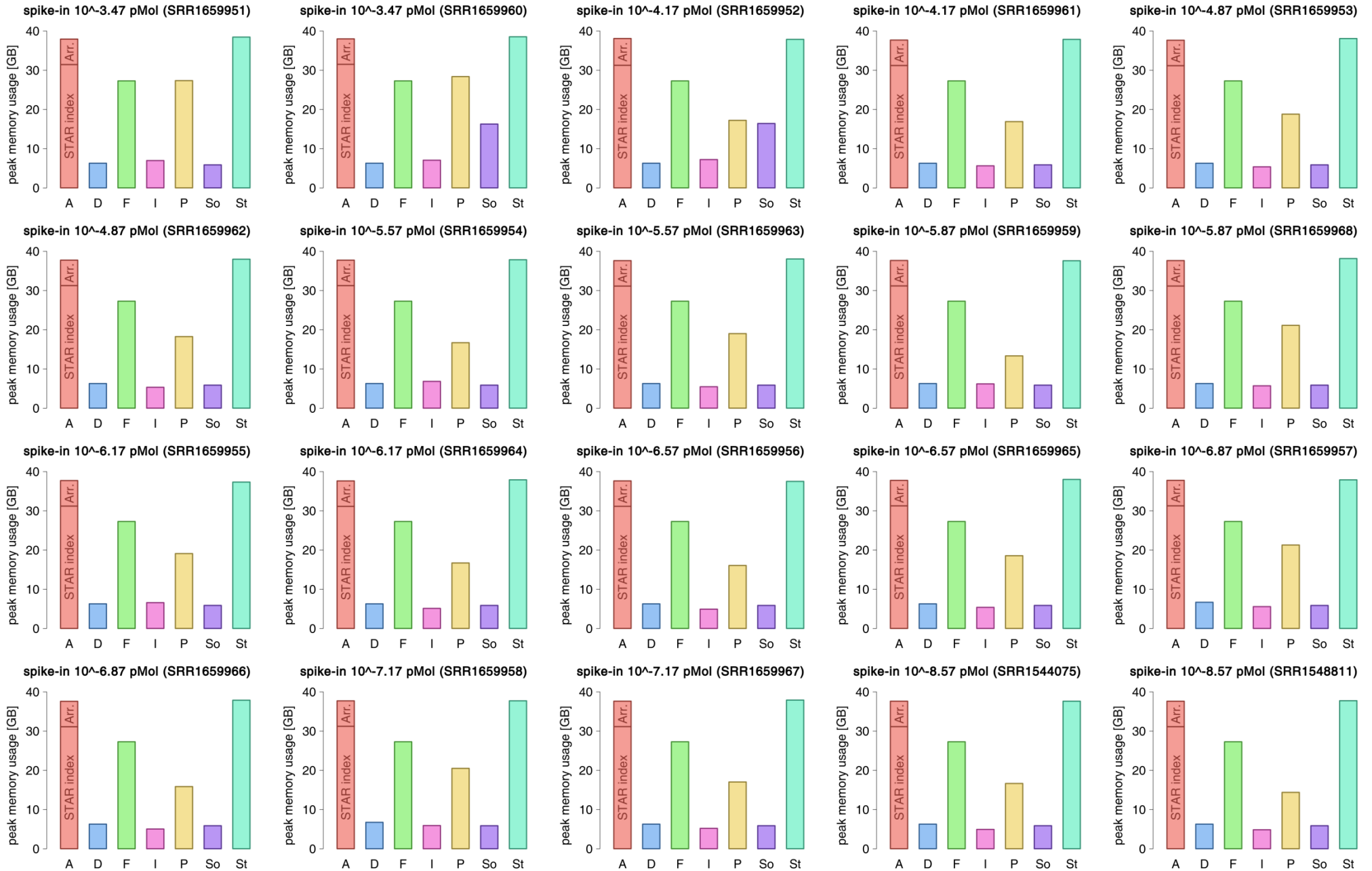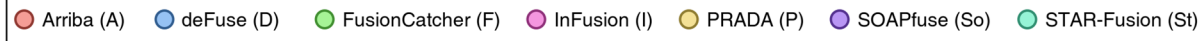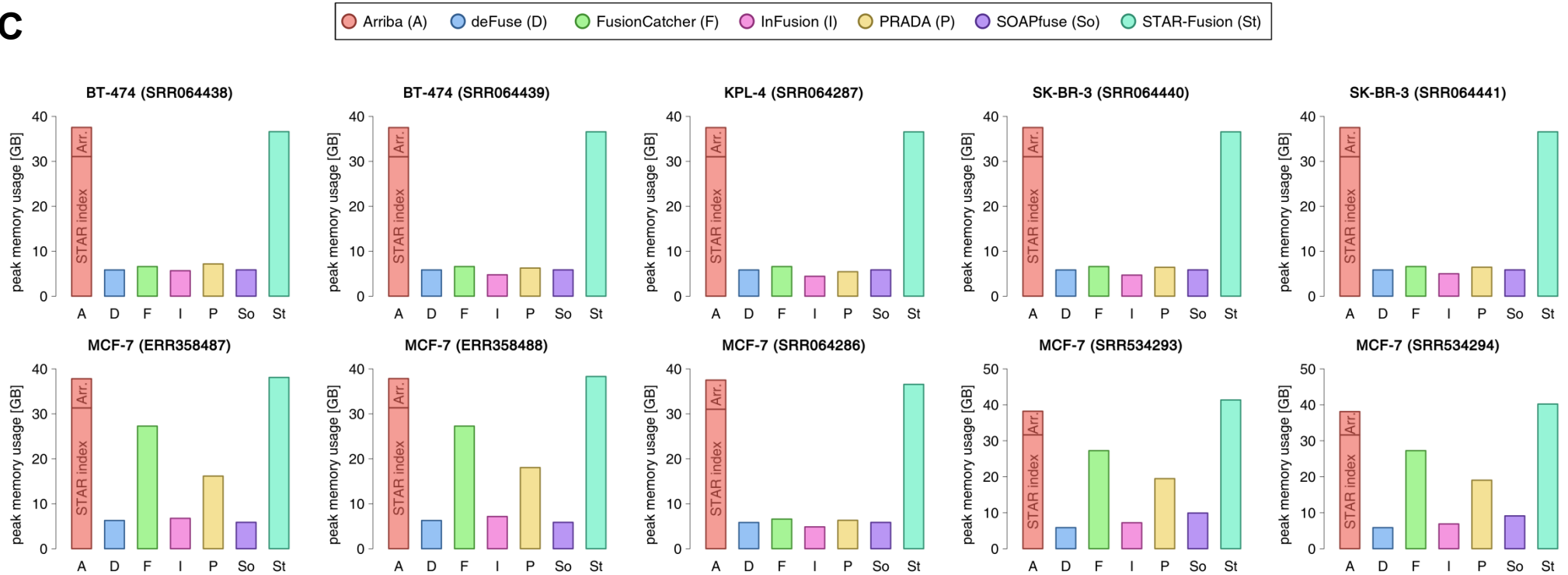
Supplemental Figure S5: Peak memory usage of all tools on all benchmark datasets.
The memory usage was measured using the GNU *time* utility. The STAR index accounted for approx. 31 GB of the memory consumption of Arriba's workflow. Arriba itself (Arr.) consumed approx. 7 GB. (A) Simulated data. (B) Spike-ins of synthetic fusions. (C) Cell lines.