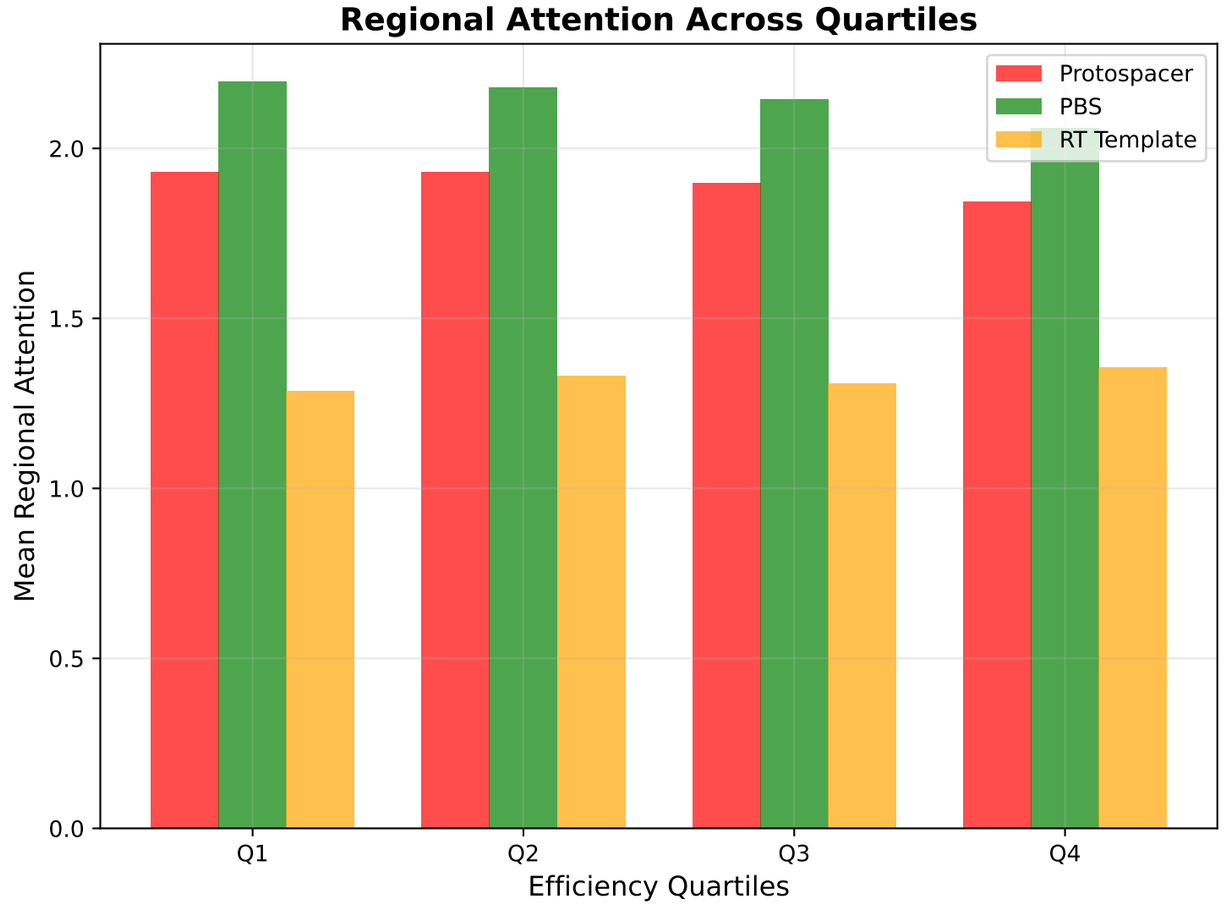
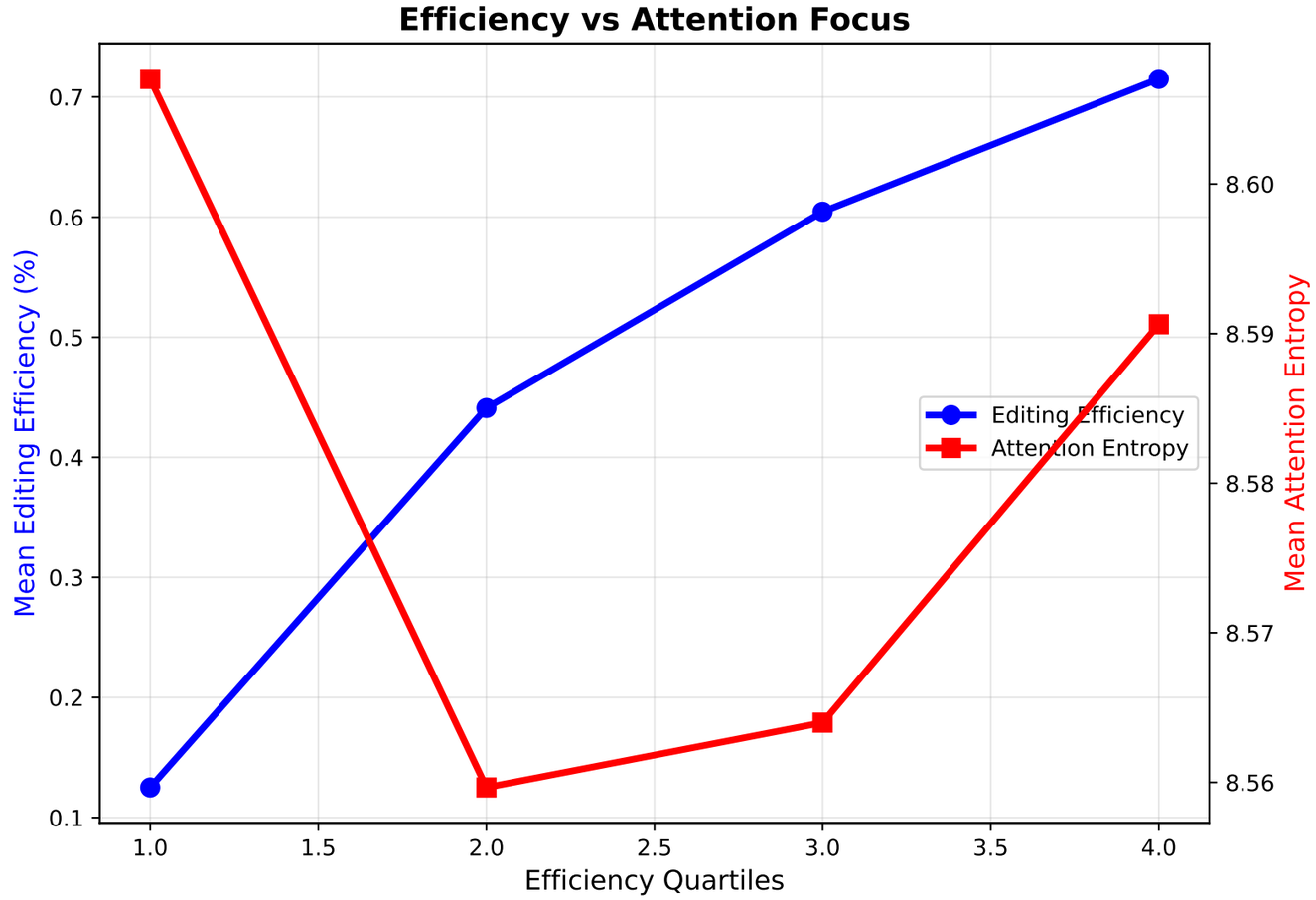
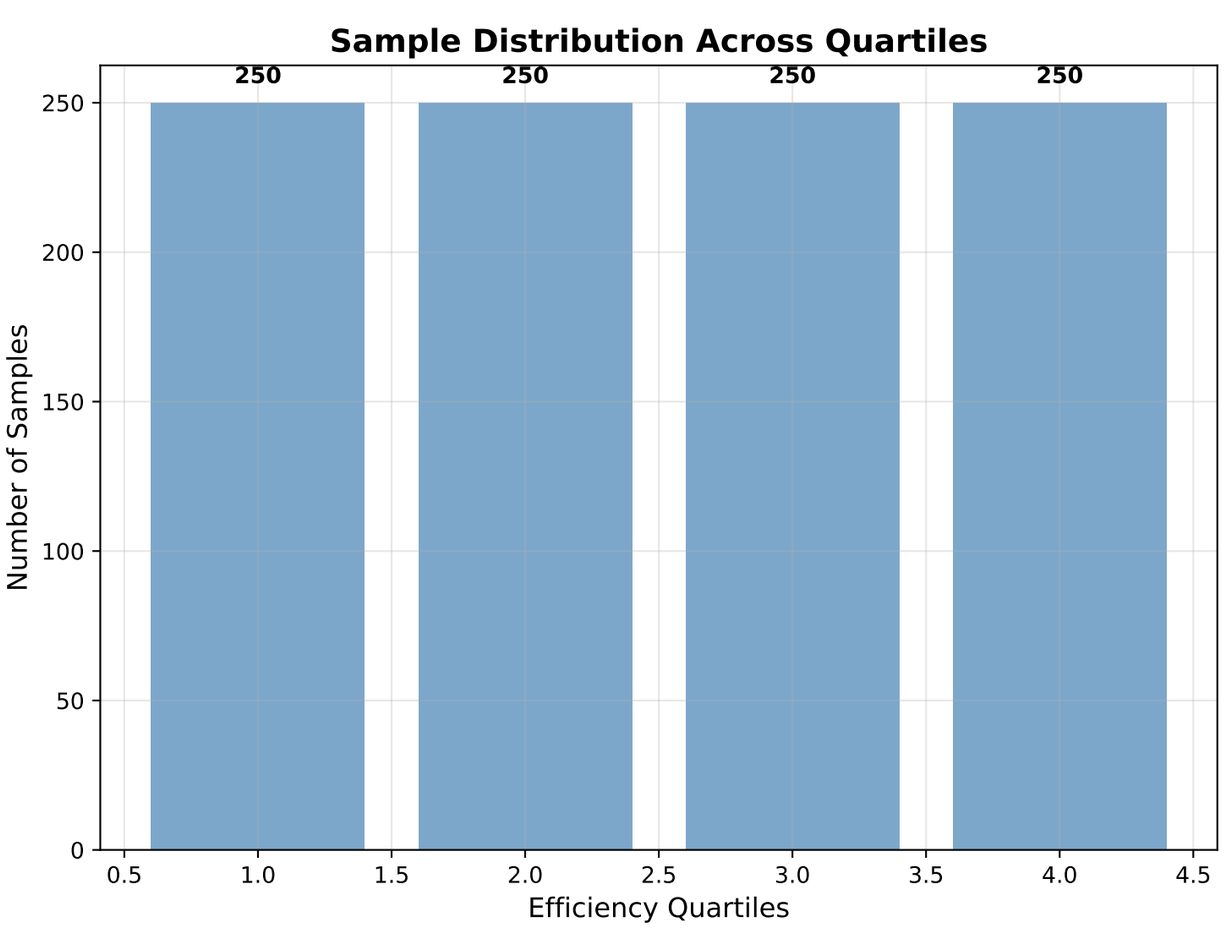
Detailed Quartile Analysis: Attention Patterns by Editing Efficiency







🔬 KEY BIOLOGICAL INSIGHTS

✓ RT Attention ↔ Higher Efficiency (ρ = +0.106)
   Model focuses MORE on editing template regions
   for successful prime edits

✗ Protospacer Attention ↔ Lower Efficiency (ρ = -0.113)
   Model focuses MORE on target recognition for
   difficult/unsuccessful sequences

✗ PBS Attention ↔ Lower Efficiency (ρ = -0.103)
   Model focuses MORE on primer binding site for
   challenging sequences

🎯 Attention Entropy ↔ Lower Efficiency (ρ = -0.038)
   More FOCUSED attention correlates with
   better editing outcomes

CONCLUSION: crispAIPE has learned biologically
meaningful attention strategies!