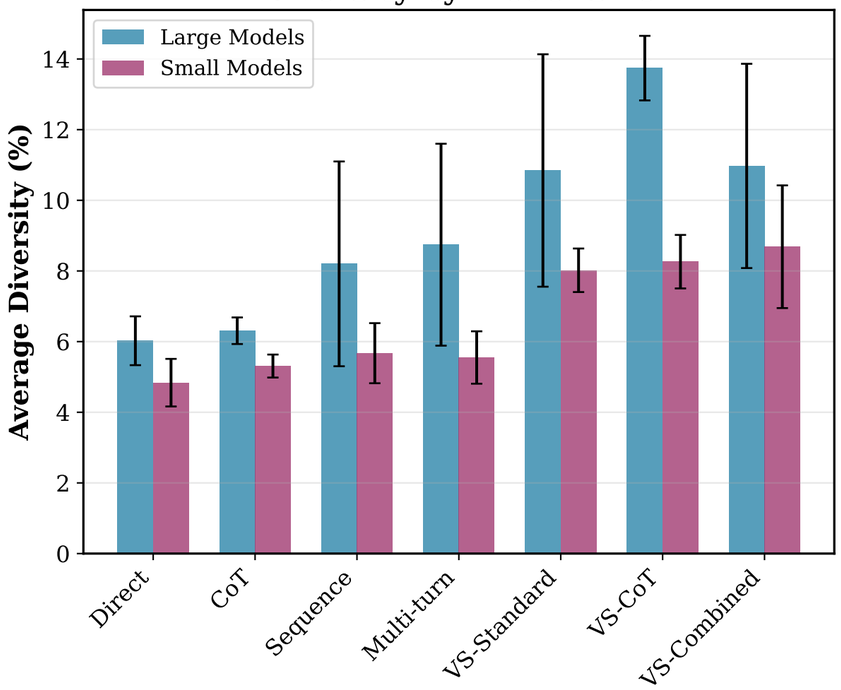
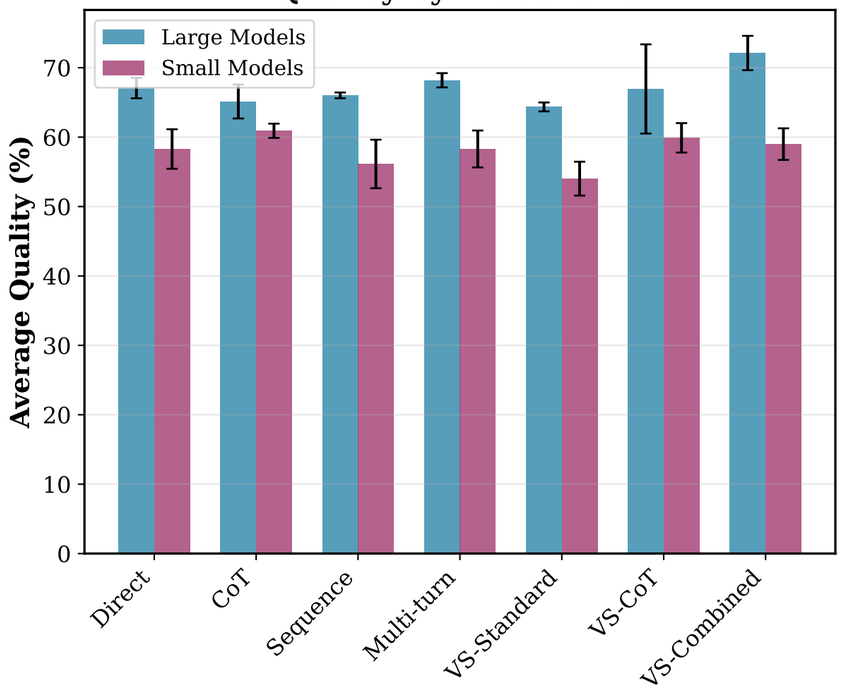
Method Effectiveness Analysis by Model Size

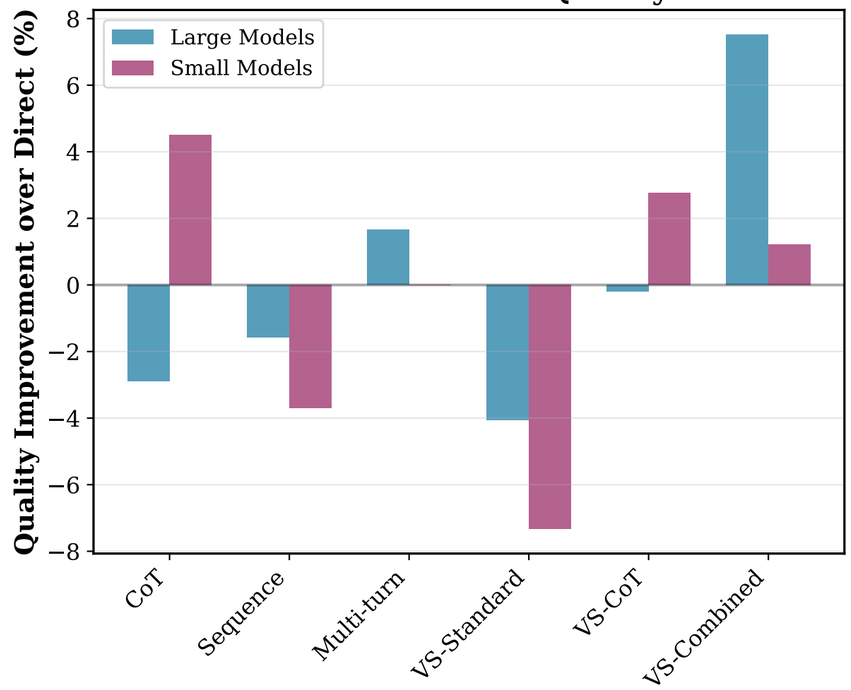
Diversity by Model Size



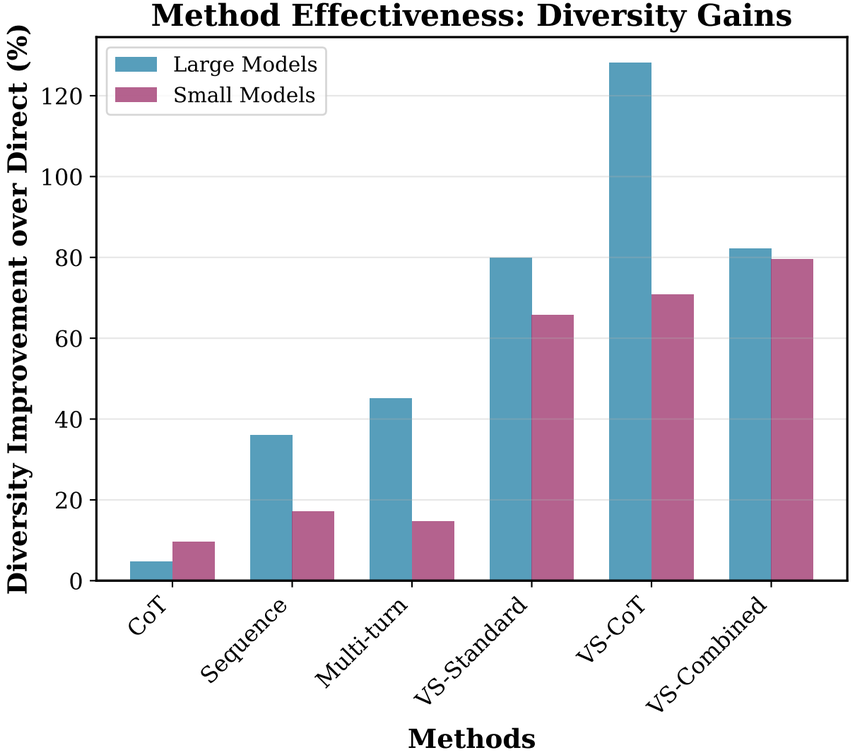
Quality by Model Size



Method Effectiveness: Quality Gains



Method Effectiveness: Diversity Gains



Model Size Classifications

```
MODEL SIZE CLASSIFICATIONS:

LARGE MODELS:
• GPT-4.1
• Gemini-2.5-Pro

Total: 2 models

SMALL MODELS:
• GPT-4.1-Mini
• Gemini-2.5-Flash

Total: 2 models
```

Statistical Significance Tests

```
STATISTICAL SIGNIFICANCE
(Large vs Small Models):

Method          | Diversity | Quality
----------------|-----------|--------
Standard        |        ns |      ns
CoT             |         * |      ns
Combined        |        ns |      ns

Legend: *** p<0.001, ** p<0.01, * p<0.05, ns = not significant
```