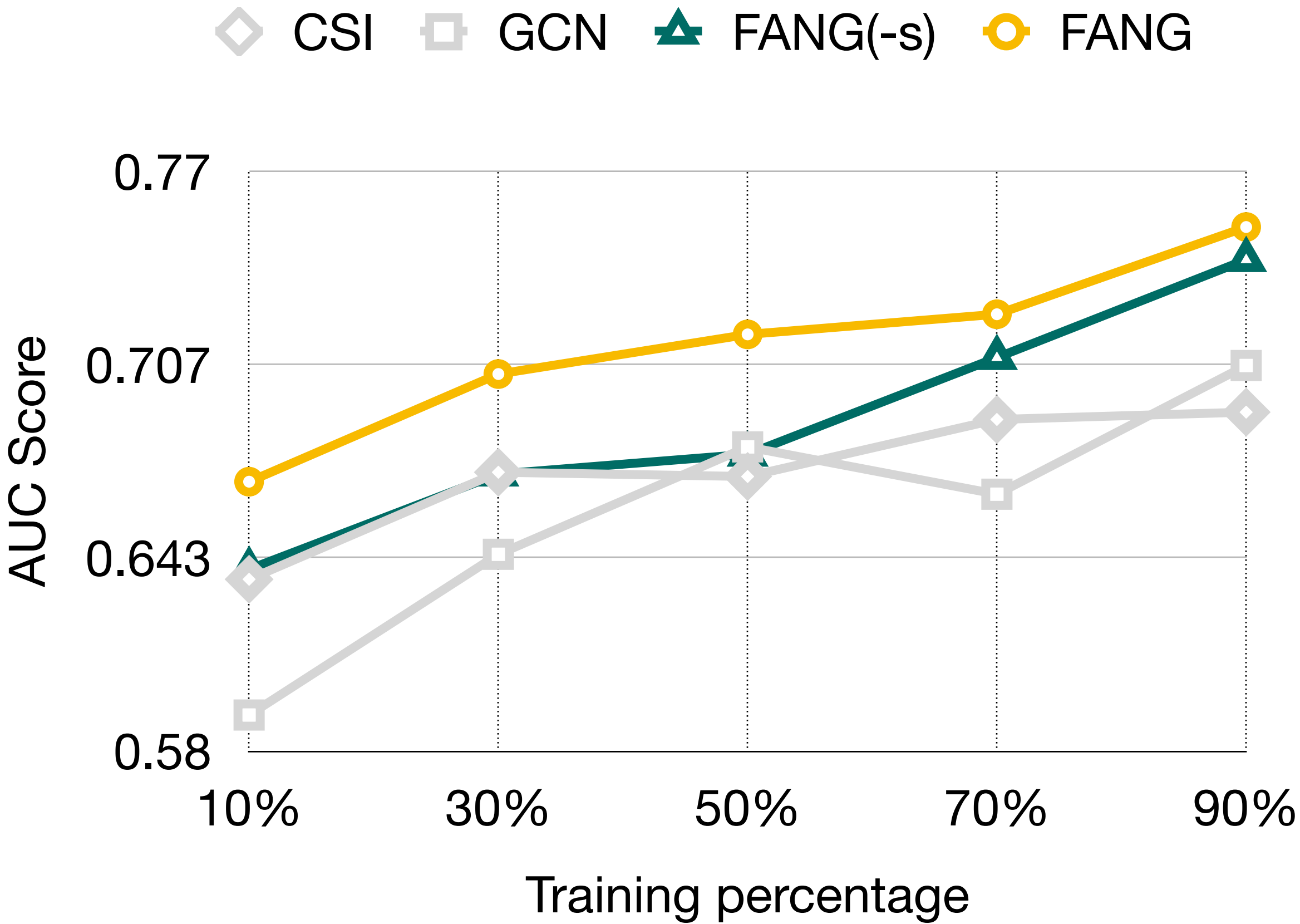


# Discussion

## RQ1: Limited Training Data

- **FANG(-s)**: removed the stance loss, highlights the importance of this self-supervised objective.
- Relative underperforming margin of **FANG(-s)** compared to **FANG**:
  - At least: 1.42% at 90%
  - At most: 6.39% at 30%

Systems	AUC score at different training percentages				
	10%	30%	50%	70%	90%
CSI	0.6363	0.6714	0.6700	0.6887	0.6911
GCN	0.5918	0.6445	0.6797	0.6642	0.7064
FANG(-s) (without stance loss)	0.6396	0.6708	0.6773	0.7090	0.7411
<b>FANG</b>	<b>0.6683</b>	<b>0.7036</b>	<b>0.7166</b>	<b>0.7232</b>	<b>0.7518</b>



# Discussion

## Research Questions

- Aim to answer the following research questions (RQ) to better understand FANG's performance under different scenarios:
  - RQ1: Does FANG work well with limited training data?
  - **RQ2: Does FANG differentiate between fake and real news based on their contrastive engagement temporality?**
  - RQ3: How effective is FANG's representation learning?