Model performance in WER (%) against each dialect without pre-training 95.73 75.41 100.42 92.68 106.83 105 Egyptian - (± 0.96) (± 1.03) (± 4.62) (± 8.71) (± 8.67) 100 85.23 82.38 95.9 83.98 98.04 Gulf - (± 1.63) (± 3.89) (± 0.64) (± 1.52) (± 1.21) - 95 93.05 102.87 99.31 107.9 82.26 Iraqi - (± 4.91) (± 11.92) (± 4.42) (± 8.28) (± 12.41) - 90 100.38 85.26 91.19 97.38 78.59 Levantine -85 (± 1.04) (± 1.5) (± 1.65) (± 4.32) (± 3.71) - 80 86.75 92.04 98.82 85.74 83.53 Maghrebi - (± 1.99) (± 0.67) (± 0.49) (± 4.34) (± 0.56)

Dialect fine-tuned on

Dialect tested on