

| Method                                | Mixing Proportion |             |             |
|---------------------------------------|-------------------|-------------|-------------|
|                                       | 0.50              | 0.25        | 0.1         |
| Connectionist Temporal Classification | 43.8              | 33.3        | 27.3        |
| RNN Transducer                        | 48.9              | 32.2        | 25.7        |
| REINFORCE with LOO baseline           | 42.9              | 32.5        | 25.9        |
| NVIL with LOO baseline                | 70.1              | 71.8        | 55.2        |
| VIMCO with LOO baseline               | <b>41.7</b>       | <b>30.7</b> | 25.4        |
| REINFORCE with temporal LOO baseline  | 43.5              | 31.6        | 25.6        |
| NVIL with temporal LOO baseline       | 74.3              | 71.9        | 54.9        |
| VIMCO with temporal LOO baseline      | <b>41.7</b>       | 30.75       | <b>25.2</b> |