

| Methods              | Top-1       | Top-5       | Top-20      | mAP         |
|----------------------|-------------|-------------|-------------|-------------|
| R + mean + Eu        | 82.9        | 93.6        | 97.1        | 76.2        |
| R + RNN + Eu         | 81.6        | 92.8        | 96.3        | 73.9        |
| R + Atten + Eu       | 83.5        | 93.9        | 97.4        | 76.6        |
| R + Dist + GA (ours) | 85.2        | 94.8        | 97.6        | <b>77.9</b> |
| R + Dist + SI (ours) | 84.4        | 94.6        | 97.2        | 77.5        |
| D + mean + Eu        | 82.9        | 94.2        | 97.4        | 74.5        |
| D + RNN + Eu         | 81.8        | 93.1        | 96.2        | 73.0        |
| D + Atten + Eu       | 83.8        | 94.7        | 97.3        | 76.2        |
| D + Dist + GA (ours) | <b>86.0</b> | <b>95.1</b> | <b>97.9</b> | 77.8        |
| D + Dist + SI (ours) | 84.8        | 94.6        | 97.4        | 77.2        |