| Pipeline | Filtered | Precision | Recall | $AUC_{\alpha s}^{F}$ | AUC_{010}^F | MegaDept AUC ^F | AUC ^F | AUC_{α}^{E} | AUC_{ava}^{E} | AUC_{one}^{E} | AUC ^E | Filtered | Precision | Recall | $AUC_{\alpha s}^{F}$ | AUC_{010}^F | ScanNet AUC ^F _{@20} | AUC_{ℓ}^{F} | $AUC_{\alpha s}^{E}$ | AUC_{010}^{E} | AUC_{oon}^{E} | AUC ^E |
|--|-------------------------|----------------------------------|-------------------------|-------------------------|---------------------------------------|------------------------------|-------------------------|--------------------------------|----------------------------------|--------------------------------|-------------------------|-------------------------|----------------------------------|----------------------------------|----------------------|-------------------------|--|-------------------------|-------------------------|----------------------------------|----------------------------------|-------------------------|
| SIFT+NNR +MAGSAC+ | 0.00 | 53.92 | 99.99 | 0.11 | 0.19 | 0.75 | 0.35 | 46.30 | 63.50 | 76.97 | 62.26 | 0.00 | 24.83 | 99.19 | 0.00 | 0.10 | 0.48 | 0.19 | 8.83 | 19.70 | 32.52 | 20.35 |
| +MAGSAC _↓ +ACNe | 50.73 54.16 47.62 | 93.13 93.72 92.54 | 85.12 79.31 90.85 | 33.02 35.07 | 45.96 48.12 28.08 | 57.85 60.06 47.64 | 45.61 47.75 29.48 | 45.23 46.29 46.58 | 64.51 64.74 65.19 | 78.42 77.96 | 62.72 63.00 63.59 | 78.54 81.20 67.86 | 55.20 55.13 55.02 | 46.06 40.06 70.85 | 5.93 6.31 3.15 | 14.28 14.33 | 24.77 24.88 24.98 | 14.99 15.17 | 10.77 10.91 | 22.27 22.33 26.10 | 35.12 34.66 40.82 | 22.72 22.63 |
| $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$ | 53.26 56.21 | 96.38 96.80 | 83.41 78.33 | 39.43 39.86 | 55.32 55.72 | 69.98 70.42 | 54.91 55.34 | 47.27 43.82 | 65.28 63.61 | 79.02 78.16 | 63.86 61.87 | 80.20 82.44 | 60.44 60.41 | 47.25 41.59 | 7.96 8.27 | 18.00 18.92 | 31.28 32.35 | 19.08 19.84 | 12.65 12.29 | 25.65 24.96 | 39.95 39.50 | 26.08 25.58 |
| +AdaLAM $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$ | 82.56 83.62 84.22 | 93.44 92.29 92.53 | 27.42 26.13 25.25 | 7.64 33.41 33.39 | 14.75 47.09 46.84 | 27.12 60.63 60.62 | 16.50 47.05 46.95 | 37.77 36.06 35.33 | 54.58 53.19 52.27 | 68.59 66.99 66.81 | 53.65 52.08 51.47 | 92.54 94.09 94.54 | 53.27 46.65 46.67 | 15.01 12.11 11.21 | 1.02 4.69 5.10 | 2.77 10.27 10.95 | 6.11 17.84 18.37 | 3.30 10.93 11.47 | 6.40 5.40 6.58 | 13.73 12.31 13.67 | 22.79 21.38 22.63 | 14.31 13.03 14.29 |
| +CC +MAGSAC +MAGSAC | 45.92 53.76 56.71 | 92.27 96.23 96.66 | 89.48 80.73 75.81 | 13.99 37.74 38.54 | 24.45 52.70 53.14 | 37.80 66.78 67.33 | 25.42 52.41 53.00 | 44.34 44.24 43.35 | 62.09 62.36 61.61 | 75.45 76.12 75.62 | 60.63 60.91 60.19 | 40.75 81.65 83.72 | 51.34 58.58 58.57 | 80.93 40.46 35.76 | 1.83 5.25 5.39 | 4.66 11.67 11.74 | 9.77 20.40 20.68 | 5.42 12.44 12.61 | 8.70 8.74 8.73 | 18.89 18.59 18.86 | 30.77 30.82 31.05 | 19.45 19.38 19.54 |
| +CLNet +MAGSAC \uparrow +MAGSAC \downarrow | 48.44 55.27 58.21 | 91.36 96.13 96.62 | 88.00 79.18 74.21 | 3.09 27.94 28.64 | 6.91 42.25 43.05 | 16.55 58.04 59.18 | 8.85 42.74 43.62 | 40.97 38.46 39.87 | 60.35 58.02 59.55 | 75.36 73.88 75.00 | 58.89 56.79 58.14 | 77.43 83.73 85.55 | 57.74 60.98 60.69 | 52.39 39.26 34.66 | 0.47 4.32 4.35 | 2.16 10.17 10.07 | 6.81 19.92 19.56 | 3.14 11.47 11.33 | 9.04 8.43 9.07 | 19.84 19.07 19.44 | 32.09 31.89 31.53 | 20.32 19.80 20.02 |
| +ConvMatch +MAGSAC↑ +MAGSAC↓ | 56.91 62.34 64.73 | 90.02 93.59 93.97 | 79.68 71.70 67.25 | 16.08 32.80 33.49 | 28.10 47.32 47.40 | 43.04 61.06 61.27 | 29.07 47.06 47.39 | 41.14 42.08 41.63 | 59.35 59.64 59.77 | 73.49 73.54 73.91 | 58.00 58.42 58.44 | 69.76 81.19 83.33 | 56.68 61.67 61.60 | 69.88 46.43 41.06 | 2.07 7.64 7.78 | 6.48 17.39 17.46 | 16.45 29.31 29.39 | 8.34 18.11 18.21 | 12.01 11.50 11.07 | 24.63 24.33 23.95 | 38.01 38.16 37.89 | 24.88 24.66 24.31 |
| +DeMatch +MAGSAC↑ +MAGSAC⊥ | 52.50 58.50 61.09 | 91.49 96.01 96.46 | 83.88 75.48 70.94 | 14.78 30.26 31.19 | 25.25 44.01 45.29 | 38.92 59.49 60.36 | 26.32 44.59 45.61 | 40.93 41.19 41.18 | 60.73 59.97 60.88 | 76.16 74.99 75.85 | 59.27 58.71 59.30 | 70.29 81.68 83.77 | 55.68 60.69 60.63 | 67.41 44.51 39.21 | 1.78 6.16 6.34 | 5.04 14.71 15.14 | 13.31 25.57 26.25 | 6.71 15.48 15.91 | 10.04 10.72 9.90 | 22.49 23.18 21.84 | 36.63 36.49 35.45 | 23.05 23.47 22.40 |
| +FC-GNN +MAGSAC↑ +MAGSAC↓ | 50.09 51.75 52.51 | 95.31 97.09 97.20 | 85.43 83.75 82.43 | 15.72 47.35 47.12 | 24.91 61.26 61.38 | 38.87 78.34 78.28 | 26.50 60.65 60.59 | 48.23 47.50 47.16 | 65.95 65.45 65.20 | 78.80 78.49 78.43 | 64.33 63.81 63.60 | 79.85 81.73 82.55 | 63.72 64.92 64.99 | 47.64 43.67 41.70 | 4.19 9.65 9.60 | 10.42 19.75 19.54 | 19.18 31.44 31.12 | 11.26 20.28 20.08 | 12.01 12.24 12.04 | 24.37 24.66 25.31 | 38.30 38.38 38.86 | 24.89 25.09 25.40 |
| +GMS +MAGSAC↑ +MAGSAC⊥ | 57.35 62.35 64.63 | 86.98 88.86 89.16 | 65.58 59.80 56.37 | 5.10 36.56 37.20 | 10.75 48.66 49.16 | 22.47 60.14 60.09 | 12.77 48.45 48.82 | 37.04 35.61 37.35 | 53.51 52.32 53.89 | 66.38 65.44 66.66 | 52.31 51.12 52.63 | 87.17 89.96 90.91 | 51.99 47.93 47.92 | 25.55 20.55 18.62 | 0.99 3.16 2.95 | 3.30 7.98 7.57 | 7.36 13.90 13.58 | 3.88 8.34 8.04 | 4.41 4.29 4.23 | 10.83 10.54 10.41 | 18.97 18.83 18.94 | 11.40 11.22 11.19 |
| +MS ² DG-Net +MAGSAC↑ +MAGSAC⊥ | 65.89 72.85 74.45 | 81.13 91.36 91.80 | 57.55 51.69 48.72 | 0.08 29.38 29.92 | 0.47 43.00 43.16 | 2.32 56.55 56.64 | 0.96 42.98 43.24 | 36.29 34.93 35.12 | 53.60 51.88 52.73 | 67.96 66.45 67.78 | 52.62 51.08 51.88 | 68.23 85.37 86.90 | 43.13 56.58 56.47 | 57.12 35.26 31.24 | 0.00 5.24 5.47 | 0.17 11.75 11.61 | 0.83 20.69 20.13 | 0.33 12.56 12.40 | 8.65 8.82 8.34 | 18.88 19.00 18.03 | 30.45 31.25 29.66 | 19.33 19.69 18.68 |
| +NCC +MAGSAC↑ +MAGSAC⊥ | 0.00 51.39 54.41 | 53.09 92.48 93.13 | 97.88 82.89 77.91 | 0.11 30.83 31.92 | 0.19 42.77 44.06 | 0.74 54.19 55.41 | 0.35 42.60 43.80 | 44.66 44.69 43.18 | 61.89 63.21 62.07 | 75.50 77.48 76.78 | 60.68 61.79 60.68 | 0.00 78.72 81.20 | 24.54 54.97 55.11 | 100.29 46.19 40.69 | 0.00 5.77 5.87 | 0.10 13.07 13.29 | 0.47 23.07 23.54 | 0.19 13.97 14.24 | 10.18 10.64 10.38 | 21.17 22.42 21.91 | 32.98 35.60 34.47 | 21.44 22.88 22.25 |
| +NCMNet +MAGSAC† +MAGSAC | 48.02 55.02 57.95 | 91.08 95.86 96.28 | 88.31 79.26 74.26 | 4.03 30.59 30.86 | 8.75 44.43 44.88 | 18.93 58.42 59.48 | 10.57 44.48 45.07 | 41.33 39.97 40.25 | 61.17 59.57 59.47 | 76.33 75.11 74.90 | 59.61 58.22 58.21 | 76.49 82.91 84.77 | 57.99 61.02 60.88 | 54.06 40.65 36.13 | 1.42 4.29 4.78 | 3.98 11.15 11.15 | 10.40 20.90 21.21 | 5.27 12.11 12.38 | 9.91 9.43 8.85 | 21.05 20.77 19.43 | 33.56 33.69 32.38 | 21.51 21.30 20.22 |
| +OANet +MAGSAC _↑ +MAGSAC ₁ | 66.72 69.12 70.83 | 94.73 96.60 97.01 | 63.21 59.31 56.17 | 15.00 25.78 26.09 | 26.42 40.23 40.89 | 40.02 56.30 57.32 | 27.15 40.77 41.43 | 37.07 35.40 36.76 | 56.26 55.52 57.02 | 72.20 72.35 73.20 | 55.18 54.42 55.66 | 80.63 85.12 86.61 | 60.42 62.45 62.49 | 50.20 38.62 34.55 | 3.33 5.86 6.10 | 9.56 14.72 14.34 | 20.06 26.58 26.21 | 10.98 15.72 15.55 | 10.49 11.16 10.33 | 22.24 23.95 21.99 | 35.72 37.11 35.34 | 22.82 24.07 22.55 |
| +MOP _{0.5.K} +MiHo +MAGSAC _↑ +MAGSAC _↓ | 40.99 51.61 54.72 | 86.84 95.60 96.05 | 94.39 84.33 79.18 | 1.60 42.56 44.04 | 4.22 55.94 | 10.55 68.78 70.44 | 5.46 55.76 57.43 | 50.22 49.58 48.15 | 67.35 66.13 65.78 | 79.88 78.28 78.36 | 65.81 64.66 64.09 | 62.61 80.23 82.56 | 46.07 59.20 59.21 | 70.76 46.63 40.95 | 0.15 8.51 8.81 | 0.67 17.34 18.09 | 3.04 28.11 28.79 | 1.29 17.99 18.56 | 11.77 11.77 12.18 | 24.67 23.85 24.35 | 38.26 37.07 37.42 | 24.90 24.23 24.65 |
| +MOP _{0.5K} +MiHo+NCC +MAGSAC _↑ +MAGSAC _↓ | 40.99 51.03 53.07 | 85.87 95.40 | 93.44 84.84 81.34 | 1.43 41.19 41.65 | 4.02 54.90 | 10.09 | 5.18 54.48 55.08 | 47.26 47.80 47.21 | 64.20 65.12 65.09 | 77.69 78.30 78.20 | 63.05 63.74 63.50 | 62.61 79.50 81.41 | 45.76 59.10 58.98 | 71.09 48.24 43.43 | 0.22 8.45 8.05 | 0.69 17.91 | 3.14 28.64 28.59 | 1.35 18.34 18.00 | 11.66 11.85 11.28 | 24.26 23.86 23.63 | 37.15 37.48 37.42 | 24.36 24.39 24.11 |
| +MOP _{1.0K} +MiHo +MAGSAC↑ +MAGSAC⊥ | 40.16 51.49 54.65 | 85.97 95.62 | 95.16 84.83 79.59 | 1.60 42.84 44.10 | 4.10 56.67 57.99 | 9.86 68.94 | 5.19 56.15 | 48.18 48.97 48.12 | 66.10 66.18 65.81 | 78.90 78.79 78.70 | 64.40 64.64 64.21 | 61.10 79.98 82.35 | 45.38 59.21 59.21 | 72.75 47.36 41.59 | 0.12 7.88 8.51 | 0.50 16.74 17.57 | 2.57 27.75 28.83 | 1.06 17.45 18.30 | 11.83 12.20 11.88 | 25.18 23.51 23.16 | 38.91 36.50 36.50 | 25.31 24.07 23.85 |
| +MOP _{1.0K} +MiHo+NCC +MAGSAC _↑ +MAGSAC _↓ | 40.16 50.83 52.90 | 95.62 95.62 | 94.29 85.64 82.06 | 1.47 41.38 43.48 | 3.89 54.93 56.85 | 9.35 67.84 69.22 | 4.91 54.72 56.59 | 48.62 47.31 46.85 | 66.73 64.74 64.72 | 79.53 78.47 77.86 | 64.96 63.50 63.14 | 61.10 79.26 81.13 | 45.13 59.22 59.47 | 73.14 48.92 44.49 | 0.20 7.97 8.36 | 0.59 17.75 17.85 | 2.57 29.08 29.17 | 1.12 18.27 18.46 | 12.07 11.90 12.26 | 25.03 24.04 24.45 | 38.51 37.38 37.66 | 25.21 24.44 24.79 |
| +MOP _{1.5K} +MiHo +MAGSAC _↑ +MAGSAC _↓ | 39.76 51.47 54.62 | 85.77 95.75 96.25 | 95.68 85.12 79.91 | 1.53 40.99 43.02 | 3.60 55.15 56.66 | 9.41 68.18 69.72 | 4.84 54.77 56.47 | 50.24 49.63 48.65 | 67.62 67.24 66.10 | 80.22 79.94 79.03 | 66.03 65.60 64.59 | 60.17 79.86 82.20 | 45.06 59.66 59.75 | 73.89 47.81 42.19 | 0.10 8.81 9.15 | 0.55 18.87 19.21 | 2.96 30.22 30.33 | 1.20 19.30 19.56 | 12.82 12.89 | 25.31 25.99 25.75 | 38.91 39.04 38.75 | 25.68 25.97 25.72 |
| +MOP _{1.5.K} +MiHo+NCC +MAGSAC _↑ +MAGSAC _↓ | 39.76 50.80 52.84 | 95.65 96.07 | 94.84 85.93 82.40 | 1.42 39.75 40.92 | 3.28 53.09 54.37 | 8.85 65.72 67.05 | 4.52 52.85 54.11 | 47.85 48.09 47.24 | 65.88 66.29 65.24 | 79.52 79.37 78.50 | 64.42 64.58 63.66 | 60.17 79.11 81.00 | 44.79 59.23 59.32 | 74.20 49.10 44.47 | 0.12 8.03 8.43 | 0.48 17.95 17.74 | 2.84 29.48 29.44 | 1.14 18.49 18.54 | 12.09 11.76 11.60 | 24.25 24.58 24.56 | 37.58 37.85 37.84 | 24.64 24.73 24.67 |
| +MOP _{2,0,K} +MiHo +MAGSAC _↑ +MAGSAC _↓ | 39.47 51.37 54.55 | 85.41 95.75 96.24 | 95.84 85.33 | 1.30 42.38 43.11 | 2.81 55.75 56.76 | 7.95 68.31 69.75 | 4.02 55.48 56.54 | 50.38 49.33 47.85 | 67.36 67.18 | 79.87 80.00 79.05 | 65.87 65.50 64.29 | 59.64 79.81 82.19 | 44.60 59.57 59.62 | 74.31 47.99 42.21 | 0.07 8.20 8.80 | 0.46 17.72 | 2.56 28.01 29.35 | 1.03 17.98 | 11.83 12.39 12.19 | 24.90 24.95 24.42 | 38.74 38.55 37.98 | 25.16 25.30 24.86 |
| | 39.47 50.72 52.78 | 96.24 84.57 95.64 | 94.97 86.06 | 1.15 40.76 42.72 | 2.55 54.01 | 7.35 66.70 | 3.69 53.82 | 48.94 47.56 48.33 | 67.06 65.56 | 79.05 80.60 79.02 | 65.53 64.05 | 59.64 79.00 80.92 | 59.62 44.45 59.25 59.27 | 74.87 49.46 44.63 | 0.07 8.02 8.20 | 0.43 17.42 | 2.55 28.31 | 1.02 17.92 18.17 | 13.08 12.47 11.47 | 25.33 25.08 | 39.05 38.32 37.40 | 25.82 25.29 24.23 |
| +MOP _{0.5K} +MAGSAC _↑ +MAGSAC _↓ | 44.87 52.43 | 96.02 89.73 94.47 94.91 | 90.19 81.52 76.53 | 4.16 41.95 | 9.43 55.78 56.33 | 19.06 68.36 68.76 | 10.88 55.36 | 45.11 46.79 | 66.16 62.78 64.67 63.67 | 79.47 75.65 77.24 | 64.65 61.18 62.90 | 72.05 82.05 | 51.19 57.09 57.31 | 44.63 58.43 41.38 36.57 | 0.65 7.75 | 2.21 16.08 16.73 | 28.79 6.24 25.84 | 3.04 16.56 | 10.56 10.54 | 23.80 22.59 21.37 22.43 | 37.40 35.30 34.11 35.01 | 22.82 22.01 |
| +MAGSAC _↓ +MOP _{0.5.K} +NCC +MAGSAC _↑ +MAGSAC _↓ | 55.50 44.87 51.85 | 88.78 94.36 | 89.44 82.28 | 3.17 40.00 | 7.96 54.42 | 68.76 17.47 67.46 | 9.53 53.96 | 46.23 43.50 45.99 | 61.60 63.45 | 76.87 75.08 76.18 | 62.26 60.06 61.87 | 84.15 72.05 81.27 | 50.76 57.14 | 58.26 43.09 | 8.11 0.63 7.30 | 1.84 16.61 | 27.10 5.49 26.31 | 2.65 16.74 | 10.79 11.62 10.63 | 23.04 22.16 | 35.38 34.98 | 22.75 23.35 22.59 |
| $+MAGSAC_{\downarrow}$ $+MOP_{1.0K}$ $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$ | 53.76 44.22 52.13 | 94.65 89.71 94.90 | 79.05 91.54 82.60 | 41.35 4.06 43.05 | 55.25 8.48 56.46 | 68.18 17.76 69.14 | 54.93 10.10 56.21 | 45.14 48.15 47.61 | 62.62 65.30 65.02 | 75.72 77.60 77.82 | 61.16 63.68 63.48 | 82.85 71.35 81.80 | 57.17 51.58 57.92 | 39.29 60.29 42.56 | 7.95 0.72 8.27 | 16.87 1.89 17.02 | 26.78 5.80 27.41 | 2.80 17.57 | 11.22 10.85 11.53 | 22.61 22.27 23.34 | 34.30 35.02 36.11 | 22.71 22.71 23.66 |
| +MOP _{1.0K} +NCC +MAGSAC↑ | 55.26 44.22 51.51 | 95.30 88.78 94.85 | 77.47 90.75 83.39 | 3.35 40.18 | 7.28 54.38 | 69.30 16.21 67.41 | 8.95 53.99 | 45.99 44.93 47.33 | 64.04 63.10 64.97 | 77.37 76.51 77.42 | 62.47 61.52 63.24 | 83.90 71.35 80.97 | 58.03 51.13 57.81 | 37.59 60.09 44.22 | 0.76 8.07 | 17.83 1.81 16.92 | 28.21 5.68 26.61 | 2.75 17.20 | 11.28 11.81 11.80 | 23.18 23.55 23.77 | 36.08 35.86 36.51 | 23.52 23.74 24.03 |
| $+MAGSAC_{\downarrow}$ $+MOP_{1.5K}$ $+MAGSAC_{\uparrow}$ | 53.47 43.99 51.99 | 95.14 89.85 95.08 | 80.06 92.21 83.20 | 40.42 4.32 43.38 | 54.84 8.91 56.80 | 68.08 18.00 69.59 | 54.44 10.41 56.59 | 45.32 46.85 48.00 | 63.15 64.12 65.25 | 76.81 77.12 78.08 | 61.76 62.70 63.78 | 82.60 71.14 81.66 | 57.91 52.13 58.30 | 40.35 61.15 43.05 | 8.36 0.75 8.30 | 16.91 2.63 17.63 | 27.14 6.79 28.01 | 3.39 17.98 | 11.81 11.53 11.24 | 23.56 23.57 23.38 | 36.15 36.51 36.20 | 23.84 23.87 23.61 |
| $+MAGSAC_{\downarrow}$ $+MOP_{1.5K}+NCC$ $+MAGSAC_{\uparrow}$ | 55.09 43.99 51.33 | 95.53 89.00 95.07 | 78.10 91.47 84.06 | 43.53 4.12 41.05 | 56.99 8.15 55.41 | 70.38 16.68 68.53 | 9.65 55.00 | 47.33 45.83 46.32 | 64.58 63.99 64.24 | 77.59 77.25 77.27 | 63.17 62.36 62.61 | 83.80 71.14 80.83 | 58.38 51.71 58.39 | 38.00 60.94 44.96 | 8.46 0.64 8.17 | 2.31 17.33 | 28.67 6.67 28.13 | 3.20 17.88 | 11.47 11.13 12.69 | 23.08 23.35 24.75 | 35.89 35.85 37.55 | 23.48 23.44 25.00 |
| $+MAGSAC_{\downarrow}$ $+MOP_{2.0K}$ $+MAGSAC_{\uparrow}$ | 53.34 43.80 51.91 | 95.38 89.72 95.12 | 80.66 92.58 83.51 | 42.24 3.97 43.61 | 56.36 8.56 56.56 | 69.23 18.00 69.40 | 55.94 10.18 56.52 | 46.68 45.72 48.32 | 64.92 63.98 66.30 | 78.01 77.30 78.80 | 63.20 62.33 64.47 | 82.52 70.90 81.58 | 58.58 52.18 58.64 | 40.93 61.58 43.36 | 8.29 0.61 8.36 | 17.59 2.10 17.47 | 28.11 6.34 27.44 | 3.02 17.76 | 11.85 10.77 11.46 | 24.04 23.27 23.89 | 36.58 36.92 36.49 | 24.16 23.66 23.95 |
| +MAGSAC↓ +MOP _{2.0K} +NCC +MAGSAC₄ | 55.00 43.80 | 95.56 88.83 | 78.42 91.80 | 3.39 | 58.26 7.57 | 70.78 16.62 | 9.20 | 47.87 47.12 | 65.35 65.13 | 78.15 78.30 | 63.79 63.51 | 83.78 70.90 | 58.68 51.81 | 38.05 61.44 | 8.45 0.56 | 17.71 2.15 | 28.09 6.57 | 18.09 3.09 | 11.19 | 23.23 24.04 | 36.05 36.78 | 23.49 |
| +MAGSAC _↓ | 51.28 53.27 | 95.05 95.35 | 84.28 80.84 | 41.66 41.58 | 55.61 55.76 | 68.54 | 55.12 55.29 | 47.31 45.31 | 65.16 64.01 | 78.16 77.83 | 63.54 62.39 | 80.73 82.43 | 58.74 58.79 | 45.34 41.20 | 9.33 | 17.91 18.62 | 28.63 29.11 | 18.33 19.02 | 12.36 11.94 | 24.37 24.34 | 37.01 37.33 | 24.58 24.53 |