	Filtered	Time (s)	Precision	Recall	$AUC_{\alpha s}^{F}$	AUC <sup>F</sup>	Depth AUC <sup>F</sup>	AUC <sup>F</sup>	$AUC_{-}^{E}$ .	$AUC_{osc}^{E}$	$AUC_{nm}^{E}$	AUC <sup>E</sup>	Filtered	Time (s)	Precision	Recall	$AUC_{-}^{F}$	AUCF 010	nNet AUCF	AUC <sup>F</sup>	$AUC_{os}^{E}$	$AUC_{010}^{E}$	AUCE	AUCE
Pipeline		0.349	82.40	99.91	7.50	15.34	27.88	16.91	42.07	58.95	73.17	58.06	0.00	0.103	58.34	98.98	0.32	1.56	5.30	2.40	19.67	35.87	52.04	35.86
$+MAGSAC_{\uparrow}$ 4 $+MAGSAC_{\downarrow}$ 4	41.83 49.95	0.397 0.574	90.63 91.26	64.87 55.98	40.63 42.42	55.23 57.03	68.46 70.28	54.77 56.58	47.23 47.95	64.05 64.28	77.16 77.79	62.81 63.34	49.41 56.65	0.134 0.147	69.51 69.71	59.31 50.83	15.64 16.19	29.67 <b>29.90</b>	44.43 <b>44.67</b>	29.91 <b>30.25</b>	19.59 19.40	35.97 35.76	51.62 52.10	35.73 35.75
+MAGSAC₁ (6		0.384 0.406 0.469	90.45 90.91	61.97 42.30 36.90	14.29 22.99 23.41	25.09 36.19 36.49	40.27 51.34 51.61	26.55 36.84 37.17	27.01 32.48 33.03	44.27 50.88 51.43	67.27 67.97	44.02 50.21 50.81	49.95 66.79 71.14	0.115 0.120 0.125	65.47 69.64 69.76	56.42 39.29 34.11	1.71 6.67 6.90	6.08 16.14 16.30	14.34 29.81 30.00	7.38 17.54 17.73	13.31 13.16 12.99	26.67 27.09 26.63	42.21 42.66 42.62	27.40 27.64 27.41
+MAGSAC <sub>↑</sub> 4	0.00 41.83 49.95	0.371 0.419 0.593	82.40 90.63 91.26	99.91 64.87 55.98	7.50 40.63 42.42	15.34 55.23 57.03	27.88 68.46 70.28	16.91 54.77 56.58	42.07 47.23 47.95	58.95 64.05 64.28	73.17 77.16 77.79	58.06 62.81 63.34	0.00 49.41 56.65	0.105 0.136 0.149	58.34 69.51 69.71	98.98 59.31 50.83	0.32 15.64 16.19	1.56 29.67 29.90	5.30 44.43 <b>44.67</b>	2.40 29.91 <b>30.25</b>	19.67 19.59 19.40	35.87 35.97 35.76	52.04 51.62 <b>52.10</b>	35.86 35.73 35.75
+MAGSAC <sub>↑</sub> 4	18.34 48.65 55.29	9.554 9.594 9.731	85.01 89.91 90.33	85.19 57.16 49.81	23.27 31.86 32.42	36.37 45.44 45.67	51.63 59.00 59.13	37.09 45.43 45.74	33.03 39.38 40.71	50.16 56.73 57.24	65.13 70.94 71.74	49.44 55.68 56.56	26.88 54.47 60.66	2.689 2.704 2.707	66.68 70.28 70.45	80.52 53.30 46.03	4.71 12.76 13.62	12.26 25.29 25.69	23.71 38.63 39.00	13.56 25.56 26.10	15.69 16.24 16.12	31.37 31.28 31.21	46.64 46.54 46.52	31.23 31.35 31.28
+MAGSAC↑ 4		0.721 0.761 0.896	85.53 90.58 91.00	83.93 55.92 48.60	11.99 21.18 22.03	20.28 32.88 34.16	32.84 47.27 48.44	21.70 33.78 34.88	29.91 35.24 36.57	47.54 53.46 54.84	63.39 69.04 70.25	46.95 52.58 53.89	51.42 64.95 69.55	0.135 0.138 0.140	67.62 69.98 69.90	55.61 40.85 35.47	1.08 3.86 3.95	3.31 11.41	8.52 22.74 22.38	4.30 12.67 12.48	11.44 10.20 11.36	24.30 22.98 23.86	39.04 37.25 38.06	24.93 23.47 24.43
+ConvMatch +MAGSAC↑ 8		0.421 0.429 0.439	86.04 87.93 88.26	26.58 19.30 16.79	9.55 11.19 11.17	18.48 21.06 21.67	32.30 35.24 35.66	20.11 22.50 22.83	15.13 16.05 16.19	29.31 30.47 31.46	46.52 47.52 50.03	30.32 31.35 32.56	77.09 83.54 <b>85.51</b>	0.164 0.166 0.168	66.48 66.45 66.57	29.34 21.30 18.65	1.50 2.83 3.09	5.64 7.93 8.18	14.08 16.96 17.54	7.07 9.24 9.60	5.94 6.20 6.69	16.22 16.53 16.98	29.84 29.80 30.60	17.33 17.51
+DeMatch +MAGSAC <sub>↑</sub>	62.49 74.48	0.424 0.435	86.41 89.62	39.80 28.25	10.98 14.53	21.57 25.24	35.81 40.65	22.79 26.81	19.09 20.84 21.93	33.69 36.92	50.06 54.14	34.28 37.30	65.85 75.38	0.169 0.174	67.01 69.06	40.07 29.19	1.47 3.52	4.70 9.04	13.12 19.42	6.43 10.66	9.25 8.51	20.06 19.64	33.35 33.89	18.09 20.89 20.68
+FC-GNN +MAGSAC <sub>↑</sub>	20.40 29.38	0.458 0.406 0.412	90.01 93.24 95.40	98.95 90.88	14.79 27.30 <b>51.06</b>	24.63 40.22 65.68	39.32 54.89 <b>77.43</b>	26.24 40.81 <b>64.72</b>	51.71 <b>53.37</b>	38.48 68.33 69.51	55.88 80.60 81.31	38.76 66.88 68.07	78.48 36.09 50.54	0.175 0.121 0.124	69.04 68.03 <b>71.64</b>	25.43 72.71 58.72	3.73 4.56 14.66	9.88 10.44 28.96	20.32 19.43 43.21	11.31 11.48 28.94	7.81 18.46 18.34	19.06 34.62 34.85	33.03 49.58 49.81	19.97 34.22 34.33
+GMS +MAGSAC <sub>↑</sub>	16.19	0.415 0.462 0.505	95.64 82.66 87.99	86.40 85.96 56.04	23.76 37.79	36.28 51.44	77.60 50.05 64.86	36.70 51.36	51.71 38.55 44.34	55.29 60.52	80.97 68.85 73.21	54.23 59.35	55.10 39.37 59.27	0.125 0.192 0.196	<b>71.78</b> 65.91 68.76	53.29 67.10 47.14	3.81 13.69	29.15 10.26 26.37	20.17 39.32	29.19 11.42 26.46	18.27 15.87 16.48	34.30 30.84 31.32	49.54 45.72 45.94	34.04 30.81 31.25
+MS <sup>2</sup> DG-Net +MAGSAC↑		0.657 0.407 0.415	88.44 84.40 88.34	48.60 21.66 15.04	38.72 3.56 16.13	52.63 8.21 25.64	65.61 16.93 37.95	52.32 9.56 26.57	14.67 17.01	61.01 27.10 31.00	73.59 42.02 47.19	59.71 27.93 31.73	70.79 80.99	0.199 0.155 0.160	68.75 66.04 70.57	40.65 34.25 23.48	0.36 4.80	25.42 1.09 11.90	38.71 2.97 22.82	25.66 1.47 13.17	7.34 7.84	31.29 17.12 18.08	45.52 30.14 31.03	31.18 18.20 18.98
+NCC		0.435 1.284 1.363	88.78 71.37 87.76	90.26 59.93	16.11 5.85 31.24	26.29 13.34 41.73	39.10 25.63 52.79	27.16 14.94 41.92	37.13 37.69	31.14 52.20 52.50	46.38 65.82 66.10	31.86 51.72 52.10	83.23 0.00 62.87	0.163 0.454 0.517	70.68 52.74 67.90	20.62 93.47 43.10	4.67 0.31 10.42	11.58 1.38 21.76	22.09 4.84 35.48	12.78 2.17 22.55	7.19 14.08 15.60	17.36 30.19 30.83	31.23 45.86 45.62	18.60 30.04 30.68
+MAGSAC↓ ‡ +NCMNet 1	55.79	1.386 0.561 0.602	88.36 85.84 90.71	53.14 85.88 57.16	31.18 10.42 21.65	41.68 17.79 33.66	52.90 30.47 47.80	41.92 19.56 34.37	38.53 30.56 36.05	53.17 48.30 54.80	66.30 64.46 70.25	52.66 47.77 53.70	68.45 48.58 62.72	0.543 0.238 0.242	68.04 67.55 69.67	36.68 58.79 43.39	10.68 2.14 5.88	22.98 5.52 14.32	36.70 12.67 25.87	23.45 6.77 15.36	15.58 12.72 12.90	30.71 26.85 26.35	45.77	30.69 26.97 26.68
+MAGSAC↓ 5	55.35 85.61	0.733	91.20 86.40 88.89	49.71 15.33	22.55 5.41	35.20 11.69	49.67 22.11	35.81 13.07	35.59 11.47	53.90 22.04 24.58	69.59 36.49	53.03 23.33	67.59 84.22	0.242 0.244 0.151 0.153	69.74 64.90 66.56	37.69 17.77	6.05 0.98	14.32 14.23 3.40 5.99	26.10 8.62 13.25	15.46 4.33	12.08 5.11	25.39 12.37 11.56	39.79 23.09	25.76 13.52 12.54
+MAGSAC↓	89.62 90.86	0.411 0.418	88.89 89.12	11.43 10.07	8.12 8.08	15.03 15.32	25.77 26.35	16.31 16.58	12.63 13.19	24.58 25.02	39.87 40.86	25.69 26.36	87.82 89.10	0.153	66.58	14.08 12.50	2.01 2.15	5.99 5.87	13.25 12.91	7.08 6.98	4.39 3.73	10.51	21.68 21.44	12.54
+MAGSAC <sub>↑</sub> 4	41.94	3.082 3.129 3.293	83.02 90.75 91.28	99.71 64.93 56.08	11.51 41.57 42.04	21.60 56.41 56.59	35.76 69.41 70.05	22.96 55.80 56.23	42.60 47.46 49.08	59.65 64.29 65.61	73.19 77.57 78.35	58.48 63.11 64.35	9.20 49.84 56.96	2.109 2.128 2.142	60.44 69.82 69.95	94.53 58.74 50.33	0.79 15.23 15.59	2.73 29.01 29.08	7.41 43.43 44.01	3.65 29.22 29.56	18.12 18.84 20.23	35.27 35.01 <b>36.80</b>	50.88 50.97 <b>52.16</b>	34.76 34.94 36.39
+MAGSAC↑ §	1.34 33.52 38.51	4.035 4.047 4.052	81.45 95.49 96.00	91.90 86.29	9.23 43.99 46.60	18.43 58.09 60.69	33.07 70.69 72.79	20.24 57.59 60.02	<b>52.53</b> 49.87 51.35	69.92 68.23 68.76	82.24 80.82 81.24	68.23 66.31 67.12	9.20 58.60 63.85	2.427 2.462 2.483	56.09 69.12 69.27	90.35 48.86 42.74	0.76 14.01 13.79	2.25 27.56 27.14	6.88 40.99 41.21	3.30 27.52 27.38	18.66 18.85 18.45	34.71 35.99 35.11	49.73 51.08 50.03	34.36 35.31 34.53
+MAGSAC <sub>↑</sub> 4	1.31 41.96 49.96	4.729 4.776 4.945	82.99 90.72 91.29	99.67 64.82 56.08	11.35 40.20 42.00	21.15 55.07 56.63	35.61 68.91 70.29	22.70 54.73 56.31	41.90 46.73 47.25	58.93 64.56 64.31	73.07 78.11 77.86	57.97 63.13 63.14	8.66 49.73 56.92	3.426 3.445 3.460	60.29 69.82 69.94	94.86 59.02 50.45	0.71 15.76 15.78	2.74 29.24 29.03	7.78 43.75 43.70	3.74 29.58 29.50	19.11 18.98 20.47	36.01 35.61 36.93	51.42 51.44 <b>52.43</b>	35.51 35.34 <b>36.61</b>
$+MOP_{1.0K}+MiHo+NCC$ $+MAGSAC\uparrow$	1.31 33.52 38.55	5.683 5.694 5.699	81.42 95.48 96.01	92.13 86.01	9.08 46.03 47.04	18.53 59.52 <b>61.22</b>	33.26 71.61 <b>73.15</b>	20.29 59.05 <b>60.47</b>	50.06 50.96 50.74	68.08 68.24 68.59	80.57 80.83 80.99	66.24 66.68 66.77	8.66 58.49 63.75	3.745 3.780 3.801	56.00 69.28 69.48	90.59 48.95 42.79	0.43 13.96 14.34	2.31 27.22 28.10	7.41 41.33 41.98	3.38 27.51 28.17	18.31 19.40 18.75	35.23 36.06 35.20	50.27 51.44 50.54	34.61 35.63
$+MOP_{1.5K}+MiHo$ $+MAGSAC_{\uparrow}$ 4	1.24	6.100 6.147 6.313	82.96 90.77 91.29	99.73 64.94 56.07	11.71 42.33 41.94	21.56 56.05 56.67	35.42 69.39 70.35	22.90 55.92 56.32	40.37 48.21 48.09	57.68 65.22 64.92	72.21 78.34	56.75 63.92 63.78	8.34 49.65 56.89	4.423 4.443 4.458	60.23 69.70 69.91	95.20 59.12 50.62	0.75 15.85 15.90	2.69 29.50	7.54 44.07	3.66 29.81 29.92	17.79 19.26	35.20 36.25	51.56 52.02	34.85 35.84
+MOP <sub>1.5K</sub> +MiHo+NCC +MAGSAC <sub>↑</sub>	1.24 33.48	7.055 7.067	81.38 95.49	113.19 92.76	9.26 46.42	18.64 60.02	32.73 71.38	20.21 59.27	50.99 <b>51.88</b>	68.71 <b>69.27</b>	81.29 <b>81.49</b>	67.00 <b>67.55</b>	8.34 58.41	4.742 4.778	55.94 69.23	90.83 49.29	0.49 13.37	2.31 26.33	7.01 39.90	3.27 26.54	18.49 17.89	34.97 34.83	50.26 50.56	34.57 34.43
+MOP <sub>2.0K</sub> +MiHo +MAGSAC <sub>↑</sub> 4	1.26 41.92	7.072 7.246 7.294	82.97 90.72	99.80 64.90	46.71 11.45 41.23	21.34 55.66	35.31 68.90	59.93 22.70 55.26	41.73 48.25	58.26 65.49	72.39 78.48	57.46 64.08	8.21 49.65	5.259 5.280	69.44 60.25 69.79	95.02 59.19	0.80 15.43	27.39 2.71 28.99	7.51 43.61	27.45 3.67 29.34	19.48 19.18	35.35 36.35 35.77	52.00 51.58	35.95 35.51
$+MOP_{2.0K}+MiHo+NCC$ $+MAGSAC\uparrow$	1.26 33.53	7.460 8.216 8.228	91.26 81.37 95.45	56.04 112.72 91.72	9.11 44.52	57.02 18.54 58.43	70.21 32.71 70.33	56.41 20.12 57.76	49.41 50.88 50.13	65.41 68.80 68.02	81.27 80.76	64.37 66.98 66.30	56.86 8.21 58.49	5.294 5.623 5.659	69.92 55.96 69.02	50.59 90.79 48.53	0.57 13.59	29.59 2.28 27.02	6.89 40.45	3.25 27.02	19.03 19.41 18.16	35.74 35.38 35.24	50.22 50.97	35.56 35.00 34.79
$+MOP_{0.5K}$ $+MAGSAC\uparrow$ 4	42.03	8.232 3.950 3.996	96.00 83.81 90.83	99.27 64.81	46.67 15.72 41.18	60.62 26.86 55.40	72.30 41.58 69.26	59.86 28.05 55.28	51.19 42.88 48.50	59.59 64.64	72.86 77.62	67.15 58.44 63.59	63.79 17.33 51.02	2.244 2.252	69.22 62.82 70.32	42.32 89.36 58.17	13.63 1.29 15.36	3.99 29.02	41.50 10.66 43.60	5.32 29.32	18.60 18.21 19.48	35.16 35.51 35.44	50.42 51.95 51.13	34.73 35.23 35.35
$+MOP_{0.5K}+NCC$ $+MAGSAC_{\uparrow}$ (	2.75 34.16	4.157 4.899 4.911	91.41 81.75 95.35	56.07 109.03 89.20	42.36 12.70 44.86	57.21 22.92 58.61	70.57 37.62 70.44	56.71 24.41 57.97	47.90 50.54 50.66	65.35 68.18 68.10	77.90 80.62 81.02	63.72 66.45 66.59	57.98 17.33 60.17	2.264 2.553 2.576	70.49 58.04 69.34	49.80 84.54 47.26	15.61 1.25 13.63	29.34 3.74 26.16	43.78 10.00 39.36	29.58 4.99 26.38	19.10 16.81 19.21	35.47 33.05 34.84	51.56 48.78 49.78	35.38 32.88 34.61
+MOP <sub>1.0K</sub> +MAGSAC <sub>↑</sub> 4		4.915 5.687 5.733	95.91 83.78 90.80	99.30 64.88	47.04 14.96 41.95	60.75 25.80 56.34	72.20 40.23 69.97	60.00 27.00 56.09	50.39 41.73 48.59	58.33 66.16	72.29 78.70	66.51 57.45 64.49	65.28 16.64 50.90	2.597 3.443 3.452	69.59 62.33 69.86	41.25 89.54 57.81	13.29 1.09 15.07	26.39 4.04 28.57	40.38 10.60 42.71	26.69 5.24 28.78	17.87 18.64 19.17	33.93 35.16 35.13	48.95 50.96 51.01	33.58 34.92 35.11
+MOP <sub>1.0K</sub> +NCC +MAGSAC↑ 5	49.98 2.68 34.19	5.890 6.637 6.649	91.32 81.70 95.32	56.08 109.03 89.00	42.57 11.44 45.37	56.63 21.73 58.38	69.94 36.70 69.89	56.38 23.29 57.88	48.50 50.95 50.37	65.10 68.31 68.21	77.94 80.68 81.05	63.85 66.65 66.55	57.84 16.64 60.11	3.464 3.753 3.777	70.12 57.68 69.30	49.68 85.08 47.21	15.27 1.08 13.88	28.55 4.02 26.32	9.98 39.57	28.82 5.03 26.59	18.41 16.94 18.57	35.21 33.65 34.86	50.76 49.46 50.36	34.80 33.35 34.60
$+MAGSAC_{\downarrow}$ $+MOP_{1.5K}$	39.14 2.61	6.653 6.926 6.972	95.91 83.74 90.79	83.36 99.25 64.77	47.48 15.43 40.95	60.77 26.26 54.70	72.36 40.91 69.09	60.20 27.53 54.91	51.72 41.42 47.25	68.96 57.92 64.61	81.15 72.15 77.73	67.28 57.17 63.20	65.15 16.44 50.81	3.798 4.311 4.321	69.49 62.47 70.00	41.26 90.04 58.00	13.80	26.27 4.20 29.16	39.92 11.02 43.38	26.66 5.47 29.37	17.58 19.06 18.75	34.02 35.72 35.09	49.47 51.63 50.78	33.69 35.47 34.87
+MAGSAC↓ +MOP <sub>1.5K</sub> +NCC	50.00	7.135	91.35 81.67	56.01 109.09 88.93	41.30 12.07 45.29	55.86 21.96 59.39	69.74 36.91 71.14	55.64 23.65 58.61	47.25 47.96 50.67 51.21	64.84 68.13	77.74 80.75	63.51 66.51	57.82 16.44 60.02	4.321 4.333 4.623 4.648	70.26 57.80	49.92 85.55 47.62	15.48 15.48 1.13 13.61	29.16 29.12 4.09 26.88	43.41 10.89 40.48	29.34 29.34 5.37 26.99	18.75 19.08 18.23	35.43 35.07 34.80	50.43 50.43	34.87 35.13 34.58
+MAGSAC <sub>↓</sub>	39.10	7.892	95.88	83.28	46.92	60.65	72.59	60.05	50.44	68.29	81.08	66.60	65.21	4.669	69.55 69.70	41.57	13.65	26.68	40.08	26.80	19.47 17.92	34.10	50.15 49.55	33.86
+MAGSAC <sub>↑</sub> 4	2.56 42.00 50.00	8.038 8.084 8.248	83.71 90.80 91.35	99.28 64.82 56.07	14.99 40.99 41.50	25.90 55.48 56.06	40.14 69.48 69.72	27.01 55.32 55.76	42.24 47.78 46.92	59.29 64.73 64.41	72.94 77.92 77.69	58.16 63.48 63.01	16.18 50.76 57.72	5.017 5.027 5.039	62.45 70.05 70.26	90.24 58.04 49.87	1.27 15.75 <b>16.46</b>	4.11 29.61 <b>30.17</b>	11.19 43.87 44.32	5.52 29.74 <b>30.31</b>	19.23 19.22 18.81	35.93 35.99 35.37	51.76 51.74 51.19	35.64 35.65 35.12
+MAGSAC <sub>↑</sub> §	2.56 34.19 39.15	9.002 9.014 9.018	81.64 95.28 95.85	109.13 88.74 83.19	12.42 44.33 45.99	22.16 58.53 60.40	36.55 70.69 72.47	23.71 57.85 59.62	50.47 50.59 50.70	67.73 68.28 68.29	80.38 80.77 81.01	66.19 66.55 66.66	16.18 59.92 65.06	5.375 5.399 5.421	57.74 69.55 69.57	85.59 47.92 41.66	0.91 13.21 13.34	3.58 26.26 26.46	10.46 40.14 39.93	4.98 26.54 26.58	17.35 17.66 17.34	33.83 33.55 33.64	49.25 49.54 48.93	33.48 33.58 33.31