	Filtered	Time (s)	Precision	Recall	AUC_{α}^{F}	AUC ^F	Depth AUC.	AUC ^F	AUC_{-}^{E}	$AUC_{\alpha_{1\alpha}}^{E}$	$AUC_{\alpha\alpha}^{E}$	AUC_2^E	Filtered	Time (s)	Precision	Recall	AUC_{s}^{F}	AUC ^F	anNet AUCF	AUC ^E	AUC_{os}^{E}	$AUC_{0.10}^{E}$	AUCE	AUCE .
Pipeline DeDoDe v2	0.00	0.465	68.37	99.98	0.30	1.11	3.65	1.69	52.70	67.97	78.85	66.51	0.00	0.270	45.31	99.37	0.00	0.13	1.05	0.39	11.70	23.01	34.80	23.17
+MAGSAC _↑ +MAGSAC _↓ +ACNe	41.74 47.14	0.484 0.489	92.09 92.59	79.44 72.34	43.26 43.46	56.07 56.75	67.19 67.89	55.51 56.03	52.25 51.50	67.51 67.24	78.54 78.32	66.10 65.69	55.59 60.93	0.305 0.328	56.52 56.16	49.24 42.12	8.13 8.59	17.51 17.31	27.76 27.27	17.80 17.72	12.86 11.81	24.62 23.39	36.73 35.62	24.74 23.61
$^{+{\rm MAGSAC}_\uparrow}_{+{\rm MAGSAC}_\downarrow}$	36.09 49.04 53.36	0.498 0.504 0.507	94.28 94.87	83.75 71.07 65.41	12.98 39.41 40.34	25.68 53.67 54.25	41.82 66.96 67.66	26.83 53.35 54.08	46.84 44.75 44.92	64.02 63.26 62.85	77.05 76.51 76.28	62.64 61.51 61.35	50.19 64.57 68.44	0.293 0.297 0.301	55.16 57.71 57.59	56.79 39.70 34.31	1.54 5.66 5.56	5.55 13.91 13.64	13.80 24.83 24.72	6.97 14.80 14.64	11.14 10.48 10.17	22.30 21.30 21.15	35.86 34.23 34.13	23.10 22.00 21.82
+AdaLAM $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	0.00 41.74 47.14	0.475 0.494 0.500	68.37 92.09 92.59	99.98 79.44 72.34	0.30 43.26 43.46	1.11 56.07 56.75	3.65 67.19 67.89	1.69 55.51 56.03	52.70 52.25 51.50	67.97 67.51 67.24	78.85 78.54 78.32	66.51 66.10 65.69	0.00 55.59 60.93	0.274 0.309 0.331	45.31 56.52 56.16	99.37 49.24 42.12	0.00 8.13 8.59	0.13 17.51 17.31	1.05 27.76 27.27	0.39 17.80 17.72	11.70 12.86 11.81	23.01 24.62 23.39	34.80 36.73 35.62	23.17 24.74 23.61
+CC +MAGSAC↑ +MAGSACı		11.273 11.280 11.281	87.91 94.28	91.55 76.42 70.25	16.86 48.95 50.04	27.75 61.83 62.68	40.74 72.29	28.45 61.03 61.87	50.67 51.36 50.35	66.37 66.81 66.34	77.99 77.97 77.81	65.01 65.38 64.83	32.01 59.06 63.63	5.330 5.339 5.347	51.25 55.73 55.25	73.56 44.92 38.72	0.30 7.01 7.16	1.18 14.50 15.26	4.13 23.68 25.05	1.87 15.06 15.82	11.07 11.42 11.26	21.55 22.00 22.04	32.95 33.64 33.85	21.86 22.35 22.38
+CLNet +MAGSAC↑ +MAGSACı	37.82 50.62 54.78	0.615 0.620 0.622	86.87 92.49	79.15 66.85 61.63	2.54 31.58 32.57	7.16 45.25 46.31	17.69 59.17	9.13 45.33 46.42	43.33 42.73 42.96	61.17 60.31 60.06	74.07 73.72 73.11	59.52 58.92 58.71	60.31 71.51 74.79	0.324 0.328 0.331	59.54 61.53	49.81 35.54 30.97	0.48 3.53 3.80	1.62 8.29 8.95	4.92 17.00 17.73	2.34 9.60 10.16	7.90 7.11 7.64	17.76 16.81 16.47	30.33 29.17 28.20	18.66 17.70 17.43
+ConvMatch +MAGSAC _↑	66.65 72.73	0.579 0.586	85.66 87.62	49.33 42.30	13.92 25.47	23.82 36.84	36.48 49.34	24.74 37.22	32.26 32.91	48.13 48.12	60.85 61.12	47.08 47.38	67.05 76.69	0.383 0.387	64.16 65.78	47.32 32.68	2.27 4.79	6.95 11.73	16.66 22.40	8.63 12.98	8.98 9.62	19.56 20.82	32.86 34.25	20.46 21.56
+MAGSAC↓ +DeMatch +MAGSAC↑	75.01 51.79 60.95	0.586 0.653 0.661	88.06 88.06 92.69	38.92 64.51 54.90	25.48 13.55 28.27	37.01 24.25 42.69	49.34 38.48 57.36	37.28 25.43 42.77	32.96 39.17 37.37	47.47 57.24 56.14	71.21 70.82	46.90 55.87 54.78	79.45 62.80 73.38	0.391 0.456 0.461	65.83 61.34 63.08	28.30 49.52 34.21	4.79 1.49 3.66	11.53 4.61 9.73	22.08 11.63 20.32	5.91 11.24	8.92 9.12 8.41	19.96 19.91 18.94	33.12 33.19 31.91	20.67 20.74 19.75
+MAGSAC _↓ +FC-GNN +MAGSAC _↑	64.19 35.45 41.79	0.663 0.512 0.515	93.16 88.38 94.77	50.57 84.77 80.90	29.67 2.62 50.47	5.26 62.78	58.17 11.39 73.48	6.42 62.24	39.04 54.47 53.89	70.06 69.22	71.30 80.45 79.70	55.72 68.33 67.61	76.43 46.49 62.72	0.465 0.289 0.293	63.15 54.35 62.24	29.77 62.97 48.16	3.40 0.13 9.89	0.92 19.75	20.70 3.37 31.57	11.40 1.47 20.40	8.81 14.23 13.20	19.36 27.98 26.55	32.41 41.42 40.56	20.19 27.88 26.77
+MAGSAC↓ +GMS +MAGSAC₄	43.42 34.72 49.52	0.516 0.578 0.583	95.07 84.36	78.82 79.85 67.14	51.22 11.36 49.02	64.10 20.26 62.02	74.72 32.50	63.34 21.37 61.03	52.98 49.93 51.57	68.67 65.07 66.69	79.61 75.85 77.13	67.09 63.62 65.13	65.42 34.53 61.43	0.295 0.364 0.373	62.16 51.60 56.39	44.26 71.56 42.84	10.43 0.19 7.11	20.78 1.00 14.87	32.23 4.01 24.58	21.14 1.73 15.52	13.85 10.82 9.29	27.12 21.77 20.08	40.97 33.68 32.25	27.32 22.09 20.54
+MAGSAC _↓ +MS ² DG-Net +MAGSAC _↓	53.82 72.95	0.585	92.60 83.11	61.76 36.48	49.29 0.21	62.22 0.74	72.09	1.42	49.48 32.51	65.09 48.45	76.07 63.05	63.55 48.01	65.88 70.26	0.383	55.83 54.24	36.71 35.21	7.04	14.97 0.07	24.75 0.47	15.59 0.18	9.84 4.55	20.67 11.07	33.00 20.35	21.17 11.99
+MAGSAC↓ +NCC	79.80 81.38 0.00	0.538 0.539 1.158	91.12 91.66 60.62	30.58 28.33 84.79	30.74 30.23 0.34	44.82 44.55 1.15	58.34 58.58 3.66	44.64 44.45	30.79 32.00 43.37	46.05 47.18 57.56	60.35 61.93 69.25	45.73 47.04 56.72	80.70 82.54 0.00	0.340 0.343 0.697	57.09 56.64 43.88	21.92 19.29 97.76	2.06 2.48 0.00	5.95 6.20 0.12	13.27 13.13 1.04	7.09 7.27 0.39	4.83 4.39 11.24	10.49 10.20 22.30	19.80 18.92 33.90	11.70 11.17 22.48
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$ +NCMNet	52.70 57.34 36.94	1.210 1.222 0.634	85.47 86.11 87.82	59.26 53.90 81.53	32.07 32.90 2.37	43.88 44.83 6.41	55.38 56.42 16.78	43.78 44.72 8.52	42.25 40.66 43.18	56.26 55.83 61.31	67.85 67.75 74.25	55.46 54.75 59.58	56.57 61.01 60.47	0.737 0.757 0.423	55.69 55.36 61.32	47.45 41.71 51.30	6.89 6.91	14.30 14.66 3.40	24.37 24.98 8.09	15.19 15.52 4.24	11.48 10.16 9.84	22.72 21.72 20.09	34.76 34.26 32.72	22.99 22.04 20.88
+MAGSAC _↓ +MAGSAC _↓ +OANet	49.77 54.00 71.52	0.639 0.641 0.517	93.58 94.06 87.75	69.06 63.56 38.12	34.33 34.23 3.58	47.39 48.05 9.51	61.12 61.78	47.61 48.02	44.12 44.17 34.14	61.84 61.81 50.95	74.71 74.88 65.74	60.22 60.29 50.28	71.72 75.21 79.61	0.427 0.430 0.319	63.54 63.45 49.18	36.99 32.00	4.93 4.62 0.51	10.84 10.69	19.85 20.09 4.98	11.87 11.80 2.37	9.10 9.10 3.35	19.24 19.72 8.84	32.47 33.06	20.27 20.63 9.72
$^{+{\rm MAGSAC}_{\uparrow}}_{+{\rm MAGSAC}_{\downarrow}}$	76.77 78.65	0.521 0.522	92.71 93.11	32.89 30.33	22.34 23.28	35.77 36.81	50.36 50.90	36.16 36.99	31.52 32.45	49.30 49.68	64.60 65.11	48.47 49.08	83.58 84.87	0.322 0.324	50.05 49.98	14.70 12.95	1.26 1.02	4.37 4.00	10.36 9.61	5.33 4.88	2.99 3.33	8.75 8.71	16.94 17.04	9.56 9.69
$+MOP_{0.5K}+MiHo$ $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	10.96 41.98 47.30	2.741 2.754 2.759	74.40 92.67 93.42	98.76 79.48 72.69	0.59 44.49 45.54	1.44 57.74 58.71	5.10 68.56 69.55	2.38 56.93 57.93	53.75 51.47 51.64	69.14 67.42 67.38	79.76 78.70 78.60	67.55 65.87 65.87	8.15 55.93 61.18	2.252 2.278 2.297	47.28 56.89 56.45	95.52 49.62 42.37	0.00 8.62 8.21	0.38 18.01 17.38	1.97 28.71 27.64	0.78 18.45 17.74	12.04 12.32 12.64	23.51 24.16 24.15	35.24 36.25 36.98	23.60 24.24 24.59
$+MOP_{0.5K}+MiHo+NCC$ $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	10.96 44.17 47.60	3.410 3.426 3.430	71.37 93.38 93.94	94.82 77.44 73.02	0.58 41.53 43.32	1.51 54.49 56.90	5.14 66.29 68.46	2.41 54.10 56.23	51.68 51.33 51.13	67.53 67.42 67.27	78.97 79.09 78.57	66.06 65.95 65.66	8.15 54.92 59.08	2.649 2.673 2.689	46.37 56.95 56.75	95.16 50.94 45.33	0.00 7.73 8.18	0.39 16.57 17.32	1.95 27.27 28.04	0.78 17.19 17.84	11.37 13.11 13.49	23.04 25.43 26.06	35.88 38.00 37.99	23.43 25.52 25.85
$+MOP_{1.0K}+MiHo$ $+MAGSAC_{\uparrow}$ $+MAGSAC_{\bot}$	10.32 41.92 47.26	4.258 4.272 4.276	74.00 92.62 93.23	99.03 79.64 72.71	0.48 44.99 46.35	1.54 58.00 59.53	4.91 68.88 70.29	2.31 57.29 58.72	51.89 52.03 51.77	67.83 67.39 67.72	79.10 78.94 79.01	66.27 66.12 66.17	7.66 55.99 61.14	3.437 3.464 3.485	47.16 56.87 56.56	95.86 49.45 42.54	0.00 7.89 8.50	0.21 16.83 17.43	1.65 27.21 27.82	0.62 17.31 17.92	12.34 12.10 12.49	23.64 24.73 24.26	35.00 37.32 36.63	23.66 24.72 24.46
+MOP _{1.0K} +MiHo+NCC +MAGSAC _↑ +MAGSAC _↓	10.32 44.11 47.58	4.930 4.946 4.950	71.03 93.32 93.95	95.14 77.45 73.06	0.51 39.90 41.57	1.60 53.71 55.02	4.89 65.78 67.51	2.33 53.13 54.70	52.54 50.05 51.09	68.79 67.45 67.46	80.02 79.49 79.25	67.12 65.66 65.93	7.66 54.80 58.94	3.835 3.861 3.876	46.26 57.07 56.86	95.18 51.21 45.54	0.00 8.49 8.44	0.24 17.38 17.36	1.65 28.21 27.57	0.63 18.03 17.79	12.79 13.05 12.79	24.34 25.55 24.54	36.38 37.99 37.29	24.51 25.53 24.88
+MOP _{1.5K} +MiHo +MAGSAC _↑ +MAGSAC ₁	9.89 41.93 47.22	5.664 5.679 5.683	73.70 92.56	99.07 79.59	0.47 44.59 45.59	1.44 57.12	4.89 67.73	2.27 56.48 58.10	52.90 51.01 51.03	68.02 66.45	78.46 77.79 78.08	66.46 65.08 65.27	7.41 55.94 61.12	4.459 4.487 4.507	47.12 57.02 56.53	96.08 49.47 42.33	0.00 7.98 8.26	0.23 17.09 17.02	1.69 27.59 27.49	0.64 17.55 17.59	11.60 12.60 12.43	22.97 24.86 23.54	35.04 37.31 35.64	23.20 24.92 23.87
+MOP _{1.5K} +MiHo+NCC +MAGSAC _↑ +MAGSAC.	9.89 44.10	6.338 6.355	70.76 93.46	95.13 77.61	0.49 39.85	1.44 53.18	4.76 65.93	2.23 52.99	52.00 50.11	68.90 66.28	80.14 78.37	67.02 64.92	7.41 54.81	4.858 4.884	46.24 57.37	95.74 51.45	0.00 8.06	0.24 16.79	1.71 27.47	0.65 17.44	12.10 12.33	23.67 24.78	35.63 37.99	23.80 25.03
+MOP _{2.0K} +MiHo +MAGSAC _↑	9.68 41.91	7.138 7.152	73.60 92.49	73.11 99.21 79.55	41.63 0.64 45.11	1.59 57.92	4.78 68.24	2.34 57.09	49.90 55.18 52.57	66.38 69.91 68.01	78.27 80.11 79.00	68.40 66.52	7.25 55.94	5.330 5.357	57.13 47.07 56.75	96.08 49.43	7.87 0.00 8.25	0.24 16.99	1.70 27.44	0.65 17.56	12.82 11.73 12.43	22.89 24.35	37.76 34.79 37.14	25.16 23.14 24.64
+MAGSAC↓ +MOP _{2.0K} +MiHo+NCC +MAGSAC↑	9.68 44.04	7.157 7.828 7.845	93.28 70.67 93.38	72.74 95.50 77.82	46.09 0.65 40.82	58.84 1.58 54.25	69.66 4.71 66.47	2.32 53.84	51.70 52.86 50.73	66.98 68.38 67.18	78.18 79.71 78.93	65.62 66.99 65.62	61.16 7.25 54.83	5.378 5.764 5.789	56.64 46.18 56.80	42.50 95.53 51.08	8.54 0.00 8.23	0.23 16.85	27.75 1.70 27.29	0.64 17.46	12.39 12.64 12.91	23.77 24.60 24.64	36.36 36.31 37.16	24.17 24.52 24.91
$+MAGSAC_{\downarrow}$ $+MOP_{0.5K}$ $+MAGSAC_{\uparrow}$	47.58 17.75 42.34	7.849 2.371 2.380	93.95 79.29 93.47	73.30 96.92 79.44	41.72 1.11 46.26	55.41 3.11 59.18	8.18 70.46	54.90 4.13 58.63	50.96 53.21 53.27	67.44 68.71 69.05	79.36 79.66 80.01	65.92 67.19 67.44	58.85 14.43 56.39	5.805 2.166 2.186	56.62 48.90 57.22	45.48 91.50 49.31	8.37 0.13 8.57	17.20 0.33 17.52	28.36 2.25 27.97	17.98 0.90 18.02	12.83 11.78 12.14	25.10 23.21 23.71	37.29 35.23 36.25	25.07 23.41 24.03
+MAGSAC↓ +MOP _{0.5K} +NCC +MAGSAC↑	47.53 17.75 44.61	2.382 3.014 3.024	94.11 75.81 93.64	72.72 92.68 76.59	47.21 1.06 41.44	3.09 54.76	71.67 8.18 66.91	59.77 4.11 54.37	53.39 51.48 50.27	68.67 67.57 66.51	79.80 79.17 78.41	67.28 66.08 65.06	61.63 14.43 55.12	2.204 2.553 2.571	56.82 47.99 57.69	42.33 90.99 51.68	8.46 0.13 8.28	17.36 0.35 17.15	27.74 2.26 27.22	17.85 0.91 17.55	12.50 12.08 12.88	24.08 24.39 25.37	36.51 37.10 38.32	24.37 24.52 25.52
+MAGSAC ₄ +MOP _{1.0K} +MAGSAC ₅	48.02 17.04 42.22	3.028 3.349 3.357	94.20 78.80	72.24 97.21 79.61	43.90 0.97 46.25	57.21 2.22	69.17	56.76 3.39	51.16 54.61	67.23 69.95	78.83 80.20	65.74 68.25	59.05 13.72 56.30	2.584 3.230 3.250	57.59 48.81 57.17	92.62 49.31	8.90 0.20 8.47	17.70 17.70 0.57 17.29	28.36	18.32 1.17 17.85	13.31 12.10 12.17	26.10 23.23 23.27	38.51 34.96 35.96	25.97 23.43 23.80
+MAGSAC↓ +MOP _{1.0K} +NCC	47.42 17.04	3.360	93.41 94.03 75.42	72.83 93.01	47.26 1.03	59.38 60.39 2.46	70.20 71.24 7.01	58.61 59.63 3.50	53.29 54.35 52.06	68.71 68.95 67.84	79.13 79.65 79.51	67.04 67.65 66.47	61.46 13.72	3.269	56.86 47.89	42.40 92.28	8.54 0.20	17.55	27.77 27.78 2.75	17.95	12.57 12.97	23.92 25.11	35.96 36.15 37.56	24.21 25.21
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$ $+MOP_{1.5K}$	44.50 47.91 16.65	4.006 4.009 4.241	93.86 94.37 78.47	76.96 72.57 97.39	42.74 43.03 0.81	55.41 56.11 2.25	66.96 68.07 7.23	55.04 55.74 3.43	51.07 50.83 53.36	67.18 67.21 68.63	78.91 79.20 79.69	65.72 65.75 67.23	55.05 59.06	3.637 3.651 4.115	57.92 57.75 48.73	51.91 46.50 92.73	9.08 9.17 0.13	18.29 18.15	28.83 29.22 2.27	18.73 18.85 0.95	13.34 12.64 11.67	26.27 25.45 23.25	39.81 39.02 35.06	26.47 25.70 23.33
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$ $+MOP_{1.5K}+NCC$	42.24 47.41 16.65	4.249 4.253 4.897	93.22 93.98 75.13	79.43 72.83 93.22	45.55 47.48 0.89	58.65 60.40 2.32	69.64 71.05	57.95 59.64 3.41	52.51 51.19 54.26	68.39 67.29	79.48 78.90	66.79 65.79 68.00	56.35 61.47	4.136 4.155 4.506	57.07 56.83 47.81	49.28 42.49 91.91	8.30 8.36 0.14	17.17 17.22 0.45	27.54 27.62	17.67 17.73	11.66 13.42	23.84 24.63 25.32	36.51 36.93 37.47	24.01 25.00 25.31
+MAGSAC↑ +MAGSAC↓ +MOP _{2.0K}	44.45 47.91	4.908 4.912	93.73 94.22	77.03 72.53	42.00 43.87	55.27 57.19	67.86 69.23	55.04 56.76	49.87 49.24	66.09 65.83	78.26 78.56	64.74 64.55	54.95 58.96	4.524 4.538	57.68 57.34	51.76 46.22	8.66 8.89	18.30 18.02	29.25 28.85	18.74 18.59	13.60 13.46	26.46 25.70	39.47 37.74	26.51 25.63
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	16.44 42.17 47.42	5.143 5.152 5.155	78.32 93.18 93.77	97.48 79.54 72.67	0.91 46.15 48.06	2.55 58.66 60.95	7.30 69.72 71.41	3.59 58.17 60.14	53.47 52.38 52.38	69.36 68.02 67.82	80.18 79.36 78.63	67.67 66.59 66.28	13.45 56.42 61.54	4.858 4.880 4.898	48.69 57.21 56.67	92.64 49.28 42.07	0.13 8.25 8.18	0.53 17.05 17.09	2.63 27.45 27.81	1.10 17.58 17.69	11.69 12.88 12.70	22.94 24.84 24.25	34.41 37.01 36.86	23.01 24.91 24.60
$+MOP_{2.0K}+NCC$ $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	16.44 44.38 47.80	5.809 5.820 5.824	75.04 93.86 94.49	93.38 77.26 72.97	0.85 41.28 42.33	2.35 54.69 56.47	7.11 66.93 69.23	3.44 54.30 56.01	52.64 52.78 49.68	68.29 68.69 66.37	79.73 79.44 78.66	66.89 66.97 64.90	13.45 55.05 58.99	5.284 5.303 5.317	47.74 57.26 57.25	91.83 51.35 46.05	0.13 8.37 9.10	0.53 17.50 18.33	2.67 28.25 29.03	1.11 18.04 18.82	12.20 13.57 13.33	23.92 26.05 26.14	36.53 39.07 38.65	24.21 26.23 26.04