Table 1 Node classification performance (Macro-F1, Micro-F1), The best and 2nd best are noted in red and blue, respectively.

	Citeseer		Pubmed		Reddit		Co_CS		Co_Phy	
	Micro-F1	Macro-F1	Micro-F1	Macro-F1	Micro-F1	Macro-F1	Micro-F1	Macro-F1	Micro-F1	Macro-F1
Random	70.96$\pm$1.61	64.39$\pm$1.69	77.55$\pm$2.10	76.78$\pm$2.03	92.35$\pm$1.34	92.17$\pm$1.31	90.27$\pm$1.42	77.35$\pm$5.21	90.76$\pm$2.03	82.82$\pm$4.86
AGE	72.21$\pm$0.97	67.72$\pm$1.14	80.13$\pm$1.56	79.23$\pm$1.64	92.66$\pm$0.70	92.58$\pm$0.70	92.87$\pm$0.62	91.62$\pm$1.03	92.82$\pm$1.00	88.11$\pm$1.69
ANRMA	70.74$\pm$1.41	64.83$\pm$2.20	77.14$\pm$2.35	75.88$\pm$2.50	91.10$\pm$0.88	91.02$\pm$0.86	92.55$\pm$0.89	89.92$\pm$3.15	90.79$\pm$1.65	82.95$\pm$4.02
ALG	70.63$\pm$1.34	65.73$\pm$1.41	79.09$\pm$1.24	78.29$\pm$2.47	91.92$\pm$1.50	90.18$\pm$2.09	90.92$\pm$1.31	91.30$\pm$1.51	89.57$\pm$3.89	87.18$\pm$2.73
Grain	70.50$\pm$1.09	65.74$\pm$1.13	78.33$\pm$1.38	75.67$\pm$2.05	92.39$\pm$0.72	92.25$\pm$0.76	90.45$\pm$0.99	83.38$\pm$2.24	92.17$\pm$1.19	84.88$\pm$2.43
GPA	72.16$\pm$0.65	67.19$\pm$0.98	80.13$\pm$0.84	78.89$\pm$0.85	92.81$\pm$0.65	92.70$\pm$0.66	92.93$\pm$0.25	81.74$\pm$1.01	91.99$\pm$0.43	86.18$\pm$0.75
ALLIE	72.74$\pm$0.75	67.19$\pm$1.04	79.2$\pm$0.85	78.29$\pm$0.88	92.73$\pm$0.71	92.62$\pm$0.73	93.28$\pm$0.21	83.42$\pm$0.87	89.87$\pm$0.34	71.72$\pm$0.47
GraphCBAL	72.50$\pm$0.84	67.51$\pm$1.14	81.76$\pm$0.65	80.46$\pm$0.86	93.64$\pm$0.59	93.51$\pm$0.64	94.32$\pm$0.37	93.69$\pm$0.44	94.59$\pm$0.23	90.47$\pm$0.41
GraphCBAL++	72.22$\pm$0.90	67.11$\pm$1.13	81.24$\pm$0.65	80.11$\pm$0.74	93.49$\pm$0.52	93.33$\pm$0.57	93.57$\pm$0.42	93.19$\pm$0.37	94.36$\pm$0.27	90.26$\pm$0.45

Table 2 Imb-ratio and standard deviation of labeled nodes. The best and 2nd best are noted in red and blue, respectively.

	Citeseer		Pubmed		Reddit		Co_CS		Co_Phy	
	Imb_ratio	Label_STD	Imb_ratio	Label_STD	Imb_ratio	Label_STD	Imb_ratio	Label_STD	Imb_ratio	Label_STD
Random	0.27$\pm$0.10	5.46	0.50$\pm$0.13	4.98	0.47$\pm$0.1	1.99	0.03$\pm$0.02	16.27	0.14$\pm$0.05	15.51
AGE	0.46$\pm$0.08	5.04	0.61$\pm$0.13	2.93	0.26$\pm$0.06	6.88	0.14$\pm$0.04	7.72	0.50$\pm$0.11	1.74
ANRMA	0.34$\pm$0.11	5.24	0.47$\pm$0.13	5.48	0.39$\pm$0.09	4.72	0.08$\pm$0.02	16.71	0.14$\pm$0.06	15.52
ALG	0.61$\pm$0.22	3.32	0.95$\pm$5.54	1.33	0.73$\pm$0.17	0.42	0.89$\pm$0.04	0.28	0.90$\pm$0.07	0.62
Grain	0.25$\pm$0.07	7.61	0.43$\pm$0.05	7.85	0.38$\pm$0.35	5.79	0.06$\pm$0.43	18.06	0.20$\pm$0.01	12.57
GPA	0.34$\pm$0.06	5.78	0.36$\pm$0.03	7.47	0.47$\pm$0.03	5.11	0.02$\pm$0.01	13.51	0.06$\pm$0.00	24.12
ALLIE	0.28$\pm$0.06	6.12	0.45$\pm$0.05	6.08	0.35$\pm$0.04	6.52	0.02$\pm$0.00	12.49	0.01$\pm$0.00	25.47
GraphCBAL	0.45$\pm$0.05	4.42	0.66$\pm$0.06	3.31	0.47$\pm$0.04	4.33	0.52$\pm$0.03	3.6	0.61$\pm$0.04	3.04
GraphCBAL++	0.57$\pm$0.10	2.96	0.82$\pm$0.05	1.72	0.66$\pm$0.06	2.22	0.69$\pm$0.04	2.08	0.81$\pm$0.03	1.53