

**Table 2      The generalizability performance of downstream tasks on node classification and link prediction, reported as Micro F1 (Std).**

	Node classification (Micro F1%)			Link prediction (Micro F1%)				
	Deezer	Facebook-Page	LastFM	Deezer	Facebook-Page	LastFM	Twitter-Foursquare	Phone-Email
GCC	56.14 (0.35)	49.26 (0.14)	23.62 (0.35)	78.24 (0.69)	78.85 (0.59)	88.30 (0.45)	82.32 (0.23)	87.80 (0.29)
GAL-W	37.29 (0.16)	40.85 (0.10)	11.83 (0.06)	67.41 (0.53)	70.87 (0.64)	75.73 (0.51)	68.75 (0.20)	76.36 (0.20)
GAL-TV	37.53 (0.60)	42.96 (0.06)	13.15 (0.37)	69.59 (0.38)	70.92 (0.33)	76.91 (0.36)	69.50 (0.42)	77.40 (0.22)
EdgeRand	55.28 (0.31)	48.53 (0.16)	23.22 (0.26)	77.42 (0.29)	79.67 (0.61)	88.88 (0.69)	82.53 (0.38)	88.05 (0.74)
LapGraph	55.78 (0.38)	49.06 (0.13)	22.91 (0.53)	78.96 (0.51)	79.56 (0.75)	88.09 (0.25)	83.10 (0.35)	87.34 (0.59)
Ours	56.05 (0.18)	49.62 (0.19)	23.57 (0.30)	78.77 (0.54)	78.05 (0.51)	89.30 (0.24)	83.39 (0.24)	88.41 (0.22)