Category	Method	LT2LT				LT2IC				LT2SIS			
		PR	RE	F1	AUC	PR	RE	F1	AUC	PR	RE	F1	AUC
Rule-based	LPSI	0.156	0.841	0.263	0.583	0.141	0.849	0.242	0.533	0.079	0.942	0.127	0.497
	OJC	0.104	0.035	0.052	0.500	0.116	0.036	0.054	0.502	0.113	0.036	0.053	0.501
Learning based	GCNSI	0.103	0.858	0.184	0.636	0.103	0.866	0.184	0.622	0.114	0.801	0.199	0.635
	IVGD	0.228	0.948	0.368	0.139	0.227	0.874	0.359	0.138	0.123	0.985	0.215	0.240
	SL-VAE	0.249	0.947	0.395	0.703	0.192	0.847	0.313	0.689	0.242	0.931	0.385	0.612
	DDMSL	0.251	0.923	0.394	0.815	0.309	0.845	0.454	0.732	0.320	0.842	0.464	0.772
Our Method	CNSL	**0.332**	**0.996**	**0.498**	**0.888**	**0.332**	**0.997**	**0.498**	**0.889**	**0.332**	**0.997**	**0.498**	**0.890**
	CNSL-W/O	0.103	0.922	0.185	0.520	0.103	0.930	0.186	0.511	0.103	0.917	0.186	0.517

Table 1: Performance comparison for cross-platform communication network under LT diffusion pattern for the first network with LT, IC, and SIS diffusion pattern for the second network.

Category	Method	IC2LT				IC2IC				IC2SIS			
		PR	RE	F1	AUC	PR	RE	F1	AUC	PR	RE	F1	AUC
Rule-based	LPSI	0.124	0.868	0.217	0.489	0.215	0.657	0.324	0.562	0.129	0.906	0.226	0.522
	OJC	0.117	0.032	0.050	0.503	0.097	0.027	0.042	0.499	0.115	0.032	0.050	0.502
Learning based	GCNSI	0.142	0.638	0.233	0.623	0.170	0.476	0.251	0.627	0.152	0.602	0.243	0.630
	IVGD	0.120	0.979	0.210	0.733	**0.548**	0.391	0.083	0.439	0.115	0.825	0.195	0.733
	SL-VAE	0.254	0.881	0.394	0.719	0.195	0.909	0.321	0.703	0.185	0.829	0.302	0.592
	DDMSL	0.286	0.827	0.425	0.818	0.318	0.886	0.468	0.753	0.270	0.833	0.408	0.689
Our Method	CNSL	**0.333**	**0.990**	**0.498**	**0.887**	0.333	**0.998**	**0.499**	**0.891**	**0.332**	**0.997**	**0.498**	**0.888**
	CNSL-W/O	0.103	0.922	0.186	0.514	0.103	0.935	0.185	0.515	0.103	0.928	0.185	0.516

Table 2: Performance comparison for cross-platform communication network under IC diffusion pattern for first network with LT, IC, and SIS diffusion pattern for the second network.