Supplementary Table 3

In the undirected scale free network, the discrimination results of various orders of degree, with initial number of nodes n, initial node connection probability p, running times t, and the new node added to the network each time has a degree of m.

			degree	2-order degree	4-order degree
n=100, t=1900	p=0.05, m=5	std	8.2407	120.8	3.39E+04
		alpha=0.20	0.0095	0.0075	9.50E-03
		alpha=0.25	0.0165	0.0135	1.90E-02
		alpha=0.30	0.0295	0.037	5.25E-02
		alpha=0.35	0.0415	0.0755	9.30E-02
		alpha=0.40	0.055	0.1155	1.40E-01
		alpha=0.45	0.0725	0.171	2.05E-01
		alpha=0.50	0.088	0.2395	2.73E-01
		alpha=0.52	0.3855	0.2715	0.3045
		alpha=0.55	0.3945	0.313	0.3535
	p=0.1, m=8	std	12.939	305.9	2.08E+05
		alpha=0.20	0.009	0.005	7.00E-03
		alpha=0.25	0.019	0.0135	1.70E-02
		alpha=0.30	0.0305	0.034	3.85E-02
		alpha=0.35	0.0405	0.0595	6.60E-02
		alpha=0.40	0.054	0.0925	1.03E-01
		alpha=0.45	0.069	0.1435	1.56E-01
		alpha=0.50	0.081	0.209	2.27E-01
		alpha=0.52	0.2795	0.2355	0.253
		alpha=0.55	0.2945	0.2785	0.299
	p=0.15, m=10	std	1.67E+01	522.41	5.91E+05
		alpha=0.20	9.50E-03	0.0085	1.00E-02
		alpha=0.25	2.00E-02	0.0175	2.10E-02
		alpha=0.30	3.20E-02	0.035	4.00E-02
		alpha=0.35	4.55E-02	0.057	6.45E-02
		alpha=0.40	5.75E-02	0.087	9.90E-02
		alpha=0.45	7.25E-02	0.1375	1.48E-01
		alpha=0.50	8.30E-02	0.198	2.14E-01
		alpha=0.52	0.2605	0.232	2.46E-01

n, t	p, m		value 1	value 2	value 3
		alpha=0.55	0.2685	0.284	0.304
n=50, t=1950	p=0.05, m=3	std	6.0557	62.854	9.57E+03
		alpha=0.20	0.012	0.018	4.65E-02
		alpha=0.25	0.0215	0.043	9.05E-02
		alpha=0.30	0.031	0.1005	1.46E-01
		alpha=0.35	0.0435	0.1575	2.21E-01
		alpha=0.40	0.0575	0.218	2.95E-01
		alpha=0.45	0.065	0.2815	3.76E-01
		alpha=0.50	0.0835	0.355	4.53E-01
		alpha=0.52	0.4735	0.396	0.4755
		alpha=0.55	0.488	0.4425	5.14E-01
	p=0.1, m=5	std	9.2692	150.31	5.11E+04
		alpha=0.20	0.013	0.008	1.35E-02
		alpha=0.25	0.024	0.0295	4.55E-02
		alpha=0.30	0.0305	0.0665	8.10E-02
		alpha=0.35	0.04	0.1115	1.28E-01
		alpha=0.40	0.053	0.161	1.86E-01
		alpha=0.45	0.0665	0.21	2.37E-01
		alpha=0.50	0.0755	0.278	3.14E-01
		alpha=0.52	0.3715	0.31	0.3405
		alpha=0.55	0.381	0.3435	0.387
	p=0.15, m=8	std	1.35E+01	341.95	2.56E+05
		alpha=0.20	1.15E-02	0.007	9.00E-03
		alpha=0.25	2.00E-02	0.0185	2.00E-02
		alpha=0.30	3.10E-02	0.033	4.15E-02
		alpha=0.35	4.05E-02	0.06	7.10E-02
		alpha=0.40	5.65E-02	0.0935	1.10E-01
		alpha=0.45	6.65E-02	0.154	1.73E-01
		alpha=0.50	8.00E-02	0.22	2.42E-01
		alpha=0.52	0.3	0.2465	0.2685
		alpha=0.55	0.313	0.294	0.324
n=200, t=1800	p=0.05, m=5	std	8.9991	147.44	4.82E+04
		alpha=0.20	0.0105	0.0035	1.05E-02
		alpha=0.25	0.0235	0.025	3.65E-02
		alpha=0.30	0.045	0.0625	7.95E-02

		alpha=0.35	0.06	0.108	1.30E-01
		alpha=0.40	0.0695	0.15	1.80E-01
		alpha=0.45	0.0805	0.204	2.31E-01
		alpha=0.50	0.371	0.2635	2.88E-01
		alpha=0.52	0.376	0.285	0.3105
		alpha=0.55	0.38	0.3285	0.345
	p=0.1, m=10	std	16.122	501.75	5.43E+05
		alpha=0.20	0.0015	0.0005	1.00E-03
		alpha=0.25	0.0125	0.0065	1.00E-02
		alpha=0.30	0.04	0.035	4.20E-02
		alpha=0.35	0.063	0.0725	7.95E-02
		alpha=0.40	0.0785	0.106	1.11E-01
		alpha=0.45	0.0915	0.156	1.67E-01
		alpha=0.50	0.1015	0.221	2.35E-01
		alpha=0.52	0.2705	0.251	0.2665
		alpha=0.55	0.2745	0.2985	0.315
	p=0.15, m=15	std	2.36E+01	1110	2.62E+06
		alpha=0.20	5.00E-04	0	0.00E+00
		alpha=0.25	1.05E-02	0.0055	7.50E-03
		alpha=0.30	3.60E-02	0.0325	3.55E-02
		alpha=0.35	6.65E-02	0.07	7.50E-02
		alpha=0.40	8.50E-02	0.1055	1.11E-01
		alpha=0.45	9.20E-02	0.1415	1.49E-01
		alpha=0.50	9.75E-02	0.205	2.16E-01
		alpha=0.52	0.218	0.2395	0.2505
		alpha=0.55	0.318	0.2855	0.2985