Results for ModRev v1.2 with 5 observations with 20 time-steps under synchronous dynamics

(%)				FY			SP			TCR			MCC			Th		
F	Ε	R	Α	Avg. (s)	Med. (s)	#Unsolved												
5	0	0	0	0,369	0,345	0	0,491	0,475	1	0,554	0,551	0	0,404	0,394	1	1,362	0,489	0
25	0	0	0	0,346	0,337	0	0,652	0,586	3	0,558	0,555	0	0,422	0,403	1	2,204	0,489	0
50	0	0	0	0,367	0,342	0	0,586	0,549	4	0,566	0,558	0	0,540	0,573	5	3,023	0,472	0
100	0	0	0	0,320	0,315	0	0,694	0,663	8	0,560	0,554	0	0,485	0,427	8	7,385	0,523	0
0	5	0	0	339,397	0,401	0	0,521	0,492	35	46,482	0,541	0	213,827	0,447	30	5,187	0,479	0
0	10	0	0	541,484	1,043	2	0,583	0,582	63	66,515	0,548	0	337,967	0,675	38	9,716	0,552	0
0	15	0	0	922,627	468,968	6	0,639	0,633	76	93,259	0,594	0	483,993	441,681	54	15,414	0,737	0
0	20	0	0	984,538	470,323	13	1,074	0,608	85	126,029	0,574	0	582,983	446,752	65	18,229	0,778	0
0	25	0	0	1180,743	473,123	13	1,371	0,731	91	126,630	0,609	0	581,991	444,903	74	18,906	15,999	0
0	50	0	0	1763,633	1742,215	40	0,830	0,830	98	200,206	0,819	0	2026,490	2020,930	91	38,890	36,552	0
0	75	0	0	2069,659	2498,425	76			100	160,898	1,645	0	2248,330	2248,330	99	60,446	61,229	0
0	0	1	0	2,299	0,364	28	78,337	0,575	14	0,618	0,583	3	20,889	0,425	33	0,596	0,505	24
0	0	5	0	9,326	0,379	42	161,073	54,665	45	12,449	0,748	8	37,644	3,430	53	22,308	0,597	40
0	0	10	0	54,954	0,449	45	243,343	140,013	56	6,612	1,414	12	71,153	43,767	65	31,706	0,773	61
0	0	15	0	51,241	0,504	46	443,656	155,153	70	28,742	2,188	21	129,571	86,261	71	56,152	0,827	70
0	0	0	1	0,480	0,417	0	19,134	0,619	32	19,366	1,707	0	11,470	0,488	23	33,640	21,792	12
0	0	0	5	22,399	0,432	1	142,743	42,531	77	1271,024	600,634	80	61,525	4,613	38	269,747	70,800	69
0	0	0	10	66,305	1,154	9	1000,868	465,552	97			100	183,276	70,956	60	284,489	87,551	97
0	0	0	15	167,195	3,658	18			100			100	184,391	56,873	82			100
25	5	0	0	149,037	0,404	0	0,666	0,525	34	40,330	0,606	0	131,124	0,459	31	11,437	0,522	0
50	25	0	0	957,111	472,316	9	7,405	0,701	88	167,458	0,614	0	1004,115	886,036	83	40,355	18,594	5
100	50	0	0	1592,121	1382,645	22			100	472,980	1,115	0	1657,502	1911,580	97	107,414	51,053	6
5	25	5	5	1216,770	473,873	60	2749,930	2749,930	99	1629,847	1488,560	97	879,403	1093,310	93	1016,893	617,264	88
10	10	5	5	578,065	0,791	42	1159,357	803,037	95	866,581	502,664	89	737,754			673,445		

Corruption parameters

F (%) - Probability of changing a function

E (%) - Probability of changing the sign of an edge

R (%) - Probability of removing a regulator

A (%) - Probability of adding a regulator

Models

FY - Fission Yeast (doi:10.1371/journal.pone.0001672)

SP - Segment Polarity (doi:10.1387/ijdb.072439ls)

TCR - TCR Signalisation (doi:10.1186/1471-2105-7-56)

MCC - Mammalian Cell cycle (doi:10.1093/bioinformatics/btl210)

Avg. (s) - Average time in seconds of solved instances

Med. (s) - Median time in seconds of solved instances

#Unsolved - Number of unsolved instances (out of 100)

considering a time limit of 3600 seconds

and a memory limit of 2GB

ModRev is a Model Revision tool for Boolean logical models of biological regulatory networks available at https://filipegouveia.github.io/ModelRevisionASP/

Results for ModRev v1.2 with 5 observations with 20 time-steps under asynchronous dynamics

	(%)		FY			SP			TCR			MCC			Th			
F	Ε	R	Α	Avg. (s)	Med. (s)	#Unsolved												
5	0	0	0	0,379	0,373	0	0,698	0,693	0	1,176	1,175	0	0,450	0,451	0	0,722	0,745	0
25	0	0	0	0,380	0,363	0	0,857	0,857	0	1,240	1,199	0	0,557	0,561	0	0,742	0,724	0
50	0	0	0	0,365	0,348	0	0,761	0,756	0	1,165	1,165	0	0,455	0,453	0	0,750	0,739	0
100	0	0	0	0,356	0,354	0	0,930	0,927	0	1,363	1,373	0	0,535	0,529	0	0,674	0,671	0
0	5	0	0	0,372	0,372	0	0,723	0,688	17	1,246	1,179	0	62,874	0,453	0	17,871	0,663	0
0	10	0	0	0,317	0,317	0	0,705	0,685	26	1,240	1,167	0	61,369	0,524	0	29,710	0,744	0
0	15	0	0	0,358	0,356	0	0,720	0,696	32	1,176	1,165	0	79,354	0,511	0	45,459	0,703	0
0	20	0	0	0,335	0,325	0	0,715	0,691	42	1,295	1,343	0	111,186	0,544	0	58,727	0,728	0
0	25	0	0	0,342	0,333	0	0,703	0,696	48	1,321	1,343	0	148,563	0,553	0	64,591	0,684	0
0	50	0	0	0,379	0,388	0	0,674	0,689	79	1,165	1,163	0	181,047	42,684	0	110,903	191,754	0
0	75	0	0	0,382	0,391	0	0,685	0,691	75	1,269	1,214	0	221,688	379,075	0	149,807	192,032	0
0	0	1	0	0,374	0,377	0	0,746	0,764	0	1,304	1,361	0	0,431	0,435	0	0,702	0,674	0
0	0	5	0	0,289	0,294	0	0,677	0,678	0	1,196	1,164	0	0,411	0,416	0	0,727	0,706	0
0	0	10	0	0,295	0,293	0	0,660	0,661	0	1,382	1,328	0	0,422	0,419	0	0,699	0,672	0
0	0	15	0	0,314	0,314	0	0,721	0,744	0	1,556	1,193	0	0,432	0,426	0	0,631	0,641	0
0	0	0	1	0,361	0,344	0	0,763	0,732	0	1,202	1,199	0	0,459	0,455	0	0,788	0,807	0
0	0	0	5	0,354	0,336	0	0,787	0,784	0	1,612	1,634	0	0,542	0,560	0	0,807	0,779	0
0	0	0	10	0,351	0,331	0	0,869	0,865	0	1,807	1,811	0	0,531	0,534	0	0,884	0,865	0
0	0	0	15	0,363	0,336	0	0,931	0,927	0	2,511	2,527	0	0,512	0,503	0	1,075	1,080	0
25	5	0	0	0,346	0,327	0	0,790	0,745	18	1,164	1,162	0	69,193	0,459	0	11,307	0,731	1
50	25	0	0	0,328	0,323	0	0,830	0,785	45	1,253	1,234	0	141,331	0,563	0	26,526	0,685	4
100	50	0	0	0,325	0,316	0	0,997	0,893	74	1,272	1,251	0	229,322	59,012	0	29,650	0,758	16
5	25	5	5	0,310	0,310	0	0,826	0,814	16	1,658	1,668	0	112,303	0,479	0	18,862	0,750	0
10	10	5	5	0,318	0,311	0	0,788	0,775	13	1,436	1,433	0	68,622	0,462	0	10,399		0

Corruption parameters

F (%) - Probability of changing a function

E (%) - Probability of changing the sign of an edge

R (%) - Probability of removing a regulator

A (%) - Probability of adding a regulator

Models

FY - Fission Yeast (doi:10.1371/journal.pone.0001672)

SP - Segment Polarity (doi:10.1387/ijdb.072439ls)

TCR - TCR Signalisation (doi:10.1186/1471-2105-7-56)

MCC - Mammalian Cell cycle (doi:10.1093/bioinformatics/btl210)

Avg. (s) - Average time in seconds of solved instances

Med. (s) - Median time in seconds of solved instances

#Unsolved - Number of unsolved instances (out of 100)

ModRev is a Model Revision tool for Boolean logical models of biological regulatory networks available at https://filipegouveia.github.io/ModelRevisionASP/