Supplementary Materials for Integrative Bayesian Network Analysis of Genomic Data

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In this supplementary file, we tabulate the simulation results for all combinations of regression coefficients in Tables 1-12. For each set of coefficients, we list its corresponding median correlation complexity and Frobenius norm complexity defined in the main text. This provides a detailed connection between the complexity measures and the regression coefficients. To summarize the performance, we calculate the percentage of correctly selected models (PCM), the percentage of incorrectly selected models (PIM) and the true positive rate (TPR).

Tab. 1: Simulation results for scenario 1. We calculate the percentage of correctly selected models (PCM), the percentage of incorrectly selected models (PIM) and the true positive rate (TPR).

(a, b, c)	MCC	FNC	PCM	PIM	TPR
(-0.4,-0.4,-0.4)	0.15	0.08	0.86	0.01	1
(-0.4,-0.4,-0.2)	0.28	0.23	0.86	0.01	1
(-0.4,-0.4,-0.1)	0.43	0.36	0.47	0.11	0.91
(-0.4,-0.4,0.1)	0.52	0.46	0.44	0.12	0.91
(-0.4,-0.4,0.2)	0.34	0.31	0.86	0.01	1
(-0.4,-0.4,0.4)	0.05	0.09	0.86	0.01	1
(-0.4,-0.2,-0.4)	0.66	0.22	0.85	0.01	1
(-0.4,-0.2,-0.2)	0.52	0.32	0.84	0.01	1
(-0.4,-0.2,-0.1)	0.55	0.43	0.48	0.1	0.91
(-0.4,-0.2,0.1)	0.74	0.57	0.46	0.12	0.91
(-0.4,-0.2,0.2)	0.52	0.4	0.84	0.01	1
(-0.4,-0.2,0.4)	0.4	0.18	0.85	0.01	1
(-0.4,-0.1,-0.4)	0.93	0.36	0.42	0.12	0.89
(-0.4,-0.1,-0.2)	0.86	0.44	0.43	0.11	0.89
(-0.4,-0.1,-0.1)	0.81	0.54	0.26	0.12	0.81
(-0.4,-0.1,0.1)	0.89	0.7	0.24	0.12	0.81
(-0.4,-0.1,0.2)	0.71	0.53	0.43	0.11	0.9
(-0.4,-0.1,0.4)	0.71	0.31	0.42	0.12	0.89
(-0.4,0.1,-0.4)	0.77	0.24	0.43	0.12	0.89
(-0.4,0.1,-0.2)	0.75	0.36	0.44	0.12	0.89
(-0.4,0.1,-0.1)	0.76	0.48	0.26	0.14	0.81
(-0.4,0.1,0.1)	0.93	0.74	0.24	0.13	0.81
(-0.4,0.1,0.2)	0.84	0.59	0.44	0.12	0.89
(-0.4,0.1,0.4)	0.91	0.41	0.43	0.12	0.89
(-0.4,0.2,-0.4)	0.48	0.12	0.85	0.01	1
(-0.4,0.2,-0.2)	0.42	0.24	0.84	0.01	1
(-0.4,0.2,-0.1)	0.48	0.35	0.48	0.1	0.91
(-0.4,0.2,0.1)	0.79	0.64	0.46	0.12	0.91
(-0.4,0.2,0.2)	0.65	0.47	0.84	0.01	1
(-0.4,0.2,0.4)	0.6	0.27	0.85	0.01	1
(-0.4,0.4,-0.4)	0.02	0	0.86	0.01	1
(-0.4,0.4,-0.2)	0.16	0.14	0.86	0.01	1
(-0.4,0.4,-0.1)	0.31	0.25	0.47	0.11	0.91
(-0.4,0.4,0.1)	0.58	0.57	0.44	0.12	0.91
(-0.4,0.4,0.2)	0.51	0.4	0.86	0.01	1
(-0.4,0.4,0.4)	0.21	0.16	0.86	0.01	1
(-0.2,-0.4,-0.4)	0.46	0.24	0.86	0.01	1
(-0.2,-0.4,-0.2)	0.46	0.37	0.85	0.01	1
(-0.2,-0.4,-0.1)	0.62	0.48	0.47	0.11	0.91
(-0.2,-0.4,0.1)	0.73	0.56	0.44	0.12	0.91
(-0.2,-0.4,0.2)	0.54	0.42	0.85	0.01	1
(-0.2,-0.4,0.4)	0.4	0.23	0.86	0.01	1
(-0.2,-0.2,-0.4)	0.74	0.4	0.85	0.01	1
(-0.2,-0.2,-0.2)	0.62	0.48	0.84	0.01	1
(-0.2,-0.2,-0.1)	0.66	0.57	0.48	0.1	0.91
(-0.2,-0.2,0.1)	0.86	0.7	0.45	0.12	0.91
(-0.2,-0.2,0.2)	0.64	0.55	0.84	0.01	1
(-0.2,-0.2,0.4)	0.52	0.35	0.85	0.01	1
(-0.2,-0.1,-0.4)	0.93	0.52	0.44	0.11	0.9
(-0.2,-0.1,-0.2)	0.88	0.6	0.46	0.11	0.9
(-0.2,-0.1,-0.1)	0.85	0.69	0.27	0.13	0.82
(-0.2,-0.1,0.1)	0.95	0.84	0.26	0.12	0.82
(-0.2,-0.1,0.2)	0.78	0.67	0.46	0.11	0.91
(-0.2,-0.1,0.4)	0.78	0.47	0.45	0.11	0.9

Tab. 2: Simulation results for scenario 1 (continued)

(a, b, c)	MCC	FNC	PCM	PIM	TPR
(-0.2,0.1,-0.4)	0.81	0.42	0.45	0.12	0.9
(-0.2,0.1,-0.2)	0.79	0.53	0.46	0.11	0.9
(-0.2,0.1,-0.1)	0.8	0.63	0.27	0.14	0.82
(-0.2,0.1,0.1)	0.99	0.88	0.26	0.13	0.82
(-0.2,0.1,0.2)	0.85	0.73	0.46	0.11	0.9
(-0.2,0.1,0.4)	0.91	0.57	0.45	0.12	0.89
(-0.2,0.2,-0.4)	0.59	0.3	0.85	0.01	1
(-0.2,0.2,-0.2)	0.54	0.4	0.84	0.01	1
(-0.2,0.2,-0.1)	0.61	0.5	0.48	0.1	0.91
(-0.2,0.2,0.1)	0.91	0.77	0.46	0.12	0.91
(-0.2,0.2,0.2)	0.77	0.62	0.84	0.01	1
(-0.2,0.2,0.4)	0.7	0.44	0.85	0.01	1
(-0.2,0.4,-0.4)	0.44	0.16	0.86	0.01	1
(-0.2,0.4,-0.2)	0.42	0.27	0.85	0.01	1
(-0.2,0.4,-0.1)	0.52	0.38	0.47	0.11	0.91
(-0.2,0.4,0.1)	0.79	0.67	0.44	0.12	0.91
(-0.2,0.4,0.2)	0.71	0.52	0.85	0.01	1
(-0.2,0.4,0.4)	0.46	0.31	0.86	0.01	1
(-0.1,-0.4,-0.4)	0.8	0.41	0.49	0.11	0.91
(-0.1,-0.4,-0.2)	0.78	0.51	0.49	0.11	0.91
(-0.1,-0.4,-0.1)	0.77	0.61	0.27	0.12	0.82
(-0.1,-0.4,0.1)	0.88	0.69	0.25	0.13	0.82
(-0.1,-0.4,0.2)	0.76	0.56	0.49	0.11	0.91
(-0.1,-0.4,0.4)	0.77	0.38	0.49	0.11	0.91
(-0.1,-0.2,-0.4)	0.82	0.55	0.48	0.11	0.91
(-0.1,-0.2,-0.2)	0.82	0.63	0.48	0.11	0.91
(-0.1,-0.2,-0.1)	0.82	0.71	0.28	0.12	0.82
(-0.1,-0.2,0.1)	0.95	0.83	0.26	0.13	0.82
(-0.1,-0.2,0.2)	0.82	0.68	0.48	0.11	0.91
(-0.1,-0.2,0.4)	0.82	0.51	0.48	0.11	0.91
(-0.1,-0.1,-0.4)	0.93	0.67	0.26	0.13	0.81
(-0.1,-0.1,-0.2)	0.88	0.74	0.27	0.13	0.82
(-0.1,-0.1,-0.1)	0.85	0.82	0.16	0.12	0.73
(-0.1,-0.1,0.1)	0.96	0.96	0.15	0.11	0.73
(-0.1,-0.1,0.2)	0.82	0.81	0.27	0.13	0.82
(-0.1,-0.1,0.4)	0.82	0.62	0.26	0.13	0.81
(-0.1,0.1,-0.4)	0.82	0.57	0.26	0.13	0.81
(-0.1,0.1,-0.2)	0.82	0.67	0.27	0.12	0.81
(-0.1,0.1,-0.1)	0.82	0.77	0.17	0.12	0.73
(-0.1,0.1,0.1)	1	1	0.15	0.12	0.73
(-0.1,0.1,0.2)	0.85	0.87	0.27	0.12	0.81
(-0.1,0.1,0.4)	0.91	0.71	0.26	0.13	0.81
(-0.1,0.2,-0.4)	0.82	0.46	0.49	0.11	0.91
(-0.1,0.2,-0.2)	0.82	0.55	0.48	0.11	0.91
(-0.1,0.2,-0.1)	0.82	0.65	0.28	0.12	0.82
(-0.1,0.2,0.1)	1	0.89	0.26	0.13	0.82
(-0.1,0.2,0.2)	0.82	0.75	0.48	0.11	0.91
(-0.1,0.2,0.4)	0.82	0.59	0.49	0.11	0.91
(-0.1,0.4,-0.4)	0.81	0.33	0.49	0.11	0.91
(-0.1,0.4,-0.2)	0.8	0.43	0.49	0.11	0.91
(-0.1,0.4,-0.1)	0.79	0.52	0.27	0.12	0.82
(-0.1,0.4,0.1)	0.93	0.79	0.25	0.14	0.82
(-0.1,0.4,0.2)	0.85	0.65	0.48	0.11	0.91
(-0.1,0.4,0.4)	0.82	0.46	0.49	0.11	0.91

Tab. 3: Simulation results for scenario 1 (continued)

(a, b, c)	MCC	FNC	PCM	PIM	TPR
(0.1,-0.4,-0.4)	0.77	0.38	0.47	0.12	0.9
(0.1,-0.4,-0.2)	0.75	0.49	0.47	0.12	0.9
(0.1,-0.4,-0.1)	0.77	0.59	0.26	0.13	0.81
(0.1,-0.4,0.1)	0.89	0.67	0.23	0.15	0.81
(0.1,-0.4,0.2)	0.74	0.53	0.47	0.12	0.9
(0.1,-0.4,0.4)	0.75	0.36	0.47	0.12	0.9
(0.1,-0.2,-0.4)	0.78	0.53	0.47	0.12	0.9
(0.1,-0.2,-0.2)	0.78	0.6	0.46	0.12	0.9
(0.1,-0.2,-0.1)	0.78	0.69	0.26	0.13	0.82
(0.1,-0.2,0.1)	0.95	0.81	0.24	0.15	0.82
(0.1,-0.2,0.2)	0.78	0.66	0.46	0.12	0.9
(0.1,-0.2,0.4)	0.78	0.48	0.47	0.12	0.9
(0.1,-0.1,-0.4)	0.93	0.65	0.25	0.14	0.81
(0.1,-0.1,-0.2)	0.88	0.72	0.26	0.14	0.81
(0.1,-0.1,-0.1)	0.85	0.8	0.15	0.13	0.73
(0.1,-0.1,0.1)	0.96	0.94	0.14	0.12	0.72
(0.1,-0.1,0.2)	0.79	0.79	0.26	0.14	0.81
(0.1,-0.1,0.4)	0.79	0.6	0.25	0.14	0.81
(0.1,0.1,-0.4)	0.81	0.55	0.24	0.15	0.8
(0.1,0.1,-0.2)	0.79	0.65	0.26	0.14	0.81
(0.1,0.1,-0.1)	0.8	0.75	0.15	0.13	0.72
(0.1,0.1,0.1)	0.99	0.98	0.13	0.14	0.72
(0.1,0.1,0.2)	0.85	0.85	0.25	0.14	0.81
(0.1,0.1,0.4)	0.91	0.69	0.25	0.15	0.8
(0.1,0.2,-0.4)	0.78	0.44	0.47	0.12	0.9
(0.1,0.2,-0.2)	0.78	0.53	0.46	0.12	0.9
(0.1,0.2,-0.1)	0.78	0.63	0.26	0.13	0.82
(0.1,0.2,0.1)	0.95	0.88	0.24	0.15	0.82
(0.1,0.2,0.2)	0.8	0.74	0.46	0.12	0.9
(0.1,0.2,0.4)	0.78	0.57	0.47	0.12	0.9
(0.1,0.4,-0.4)	0.74	0.31	0.47	0.12	0.9
(0.1,0.4,-0.2)	0.72	0.41	0.47	0.12	0.9
(0.1,0.4,-0.1)	0.72	0.5	0.26	0.13	0.81
(0.1,0.4,0.1)	0.88	0.77	0.22	0.15	0.81
(0.1,0.4,0.2)	0.8	0.63	0.47	0.12	0.9
(0.1,0.4,0.4)	0.73	0.44	0.47	0.12	0.9
(0.2,-0.4,-0.4)	0.43	0.22	0.86	0.01	1
(0.2,-0.4,-0.2)	0.47	0.35	0.85	0.01	1
(0.2,-0.4,-0.1)	0.63	0.46	0.47	0.11	0.91
(0.2,-0.4,0.1)	0.75	0.55	0.44	0.12	0.91
(0.2,-0.4,0.2)	0.56	0.4	0.85	0.01	1
(0.2,-0.4,0.4)	0.39	0.21	0.86	0.01	1
(0.2,-0.2,-0.4)	0.75	0.38	0.85	0.01	1
(0.2,-0.2,-0.2)	0.63	0.46	0.84	0.01	1
(0.2,-0.2,-0.1)	0.68	0.56	0.48	0.1	0.91
(0.2,-0.2,0.1)	0.89	0.69	0.45	0.12	0.91
(0.2,-0.2,0.2)	0.67	0.53	0.84	0.01	1
(0.2,-0.2,0.4)	0.54	0.33	0.85	0.01	1
(0.2,-0.1,-0.4)	0.93	0.51	0.44	0.12	0.9
(0.2,-0.1,-0.2)	0.88	0.58	0.46	0.11	0.91
(0.2,-0.1,-0.1)	0.85	0.67	0.27	0.13	0.82
(0.2,-0.1,0.1)	0.96	0.82	0.26	0.12	0.82
(0.2,-0.1,0.2)	0.79	0.66	0.46	0.11	0.91
(0.2,-0.1,0.4)	0.79	0.45	0.45	0.12	0.9

Tab. 4: Simulation results for scenario 1 (continued)

(a, b, c)	MCC	FNC	PCM	PIM	TPR
(0.2,0.1,-0.4)	0.81	0.4	0.45	0.11	0.89
(0.2,0.1,-0.2)	0.79	0.51	0.46	0.1	0.9
(0.2,0.1,-0.1)	0.79	0.62	0.27	0.13	0.81
(0.2,0.1,0.1)	0.95	0.87	0.26	0.13	0.82
(0.2,0.1,0.2)	0.85	0.72	0.46	0.1	0.9
(0.2,0.1,0.4)	0.91	0.56	0.45	0.11	0.89
(0.2,0.2,-0.4)	0.57	0.28	0.85	0.01	1
(0.2,0.2,-0.2)	0.51	0.39	0.84	0.01	1
(0.2,0.2,-0.1)	0.57	0.49	0.48	0.1	0.91
(0.2,0.2,0.1)	0.87	0.76	0.45	0.12	0.91
(0.2,0.2,0.2)	0.72	0.61	0.84	0.01	1
(0.2,0.2,0.4)	0.66	0.43	0.85	0.01	1
(0.2,0.4,-0.4)	0.39	0.15	0.86	0.01	1
(0.2,0.4,-0.2)	0.36	0.26	0.85	0.01	1
(0.2,0.4,-0.1)	0.48	0.37	0.47	0.11	0.91
(0.2,0.4,0.1)	0.74	0.66	0.44	0.12	0.91
(0.2,0.4,0.2)	0.66	0.51	0.85	0.01	1
(0.2,0.4,0.4)	0.39	0.3	0.85	0.01	1
(0.4,-0.4,-0.4)	0.15	0.07	0.86	0.01	1
(0.4,-0.4,-0.2)	0.28	0.22	0.86	0.01	1
(0.4,-0.4,-0.1)	0.44	0.35	0.47	0.11	0.91
(0.4,-0.4,0.1)	0.54	0.45	0.44	0.12	0.91
(0.4,-0.4,0.2)	0.35	0.29	0.86	0.01	1
(0.4,-0.4,0.4)	0.06	0.07	0.86	0.01	1
(0.4,-0.2,-0.4)	0.67	0.21	0.86	0.01	1
(0.4,-0.2,-0.2)	0.53	0.31	0.85	0.01	1
(0.4,-0.2,-0.1)	0.57	0.42	0.48	0.1	0.91
(0.4,-0.2,0.1)	0.76	0.56	0.46	0.12	0.91
(0.4,-0.2,0.2)	0.54	0.39	0.85	0.01	1
(0.4,-0.2,0.4)	0.42	0.17	0.85	0.01	1
(0.4,-0.1,-0.4)	0.93	0.35	0.42	0.12	0.89
(0.4,-0.1,-0.2)	0.88	0.44	0.43	0.12	0.9
(0.4,-0.1,-0.1)	0.83	0.53	0.25	0.13	0.81
(0.4,-0.1,0.1)	0.91	0.69	0.24	0.12	0.81
(0.4,-0.1,0.2)	0.74	0.52	0.43	0.12	0.9
(0.4,-0.1,0.4)	0.74	0.29	0.42	0.12	0.9
(0.4,0.1,-0.4)	0.75	0.24	0.42	0.11	0.89
(0.4,0.1,-0.2)	0.73	0.36	0.43	0.11	0.89
(0.4,0.1,-0.1)	0.73	0.48	0.26	0.13	0.81
(0.4,0.1,0.1)	0.9	0.74	0.23	0.13	0.81
(0.4,0.1,0.2)	0.81	0.59	0.43	0.11	0.89
(0.4,0.1,0.4)	0.9	0.4	0.42	0.11	0.88
(0.4,0.2,-0.4)	0.46	0.11	0.85	0.01	1
(0.4,0.2,-0.2)	0.4	0.23	0.84	0.01	1
(0.4,0.2,-0.1)	0.45	0.35	0.48	0.1	0.91
(0.4,0.2,0.1)	0.76	0.64	0.46	0.12	0.91
(0.4,0.2,0.2)	0.61	0.47	0.84	0.01	1
(0.4,0.2,0.4)	0.57	0.27	0.85	0.01	1
(0.4,0.4,-0.4)	0	0	0.86	0.01	1
(0.4,0.4,-0.2)	0.13	0.14	0.86	0.01	1
(0.4,0.4,-0.1)	0.28	0.26	0.47	0.11	0.91
(0.4,0.4,0.1)	0.54	0.57	0.44	0.12	0.91
(0.4,0.4,0.2)	0.47	0.41	0.86	0.01	1
(0.4,0.4,0.4)	0.18	0.17	0.86	0.01	1

Tab. 5: Simulation results for scenario 2. We calculate the percentage of correctly selected models (PCM), the percentage of incorrectly selected models (PIM) and the true positive rate (TPR).

(a, b, c)	MCC	FNC	PCM	PIM	TPR
(-0.4,-0.4,-0.4)	0.08	0.09	0.83	0.01	1
(-0.4,-0.4,-0.2)	0.39	0.2	0.83	0.01	1
(-0.4,-0.4,-0.1)	0.65	0.31	0.43	0.11	0.9
(-0.4,-0.4,0.1)	0.85	0.4	0.41	0.13	0.9
(-0.4,-0.4,0.2)	0.57	0.25	0.83	0.01	1
(-0.4,-0.4,0.4)	0.09	0.06	0.83	0.01	1
(-0.4,-0.2,-0.4)	0.56	0.25	0.83	0.01	1
(-0.4,-0.2,-0.2)	0.46	0.33	0.83	0.01	1
(-0.4,-0.2,-0.1)	0.56	0.43	0.45	0.11	0.9
(-0.4,-0.2,0.1)	0.88	0.56	0.42	0.12	0.9
(-0.4,-0.2,0.2)	0.57	0.4	0.83	0.01	1
(-0.4,-0.2,0.4)	0.34	0.2	0.83	0.01	1
(-0.4,-0.1,-0.4)	0.83	0.39	0.42	0.12	0.9
(-0.4,-0.1,-0.2)	0.76	0.46	0.44	0.11	0.9
(-0.4,-0.1,-0.1)	0.72	0.55	0.24	0.13	0.8
(-0.4,-0.1,0.1)	0.9	0.69	0.23	0.12	0.8
(-0.4,-0.1,0.2)	0.64	0.54	0.44	0.11	0.9
(-0.4,-0.1,0.4)	0.62	0.33	0.43	0.12	0.9
(-0.4,0.1,-0.4)	0.67	0.29	0.42	0.12	0.89
(-0.4,0.1,-0.2)	0.67	0.4	0.44	0.12	0.89
(-0.4,0.1,-0.1)	0.68	0.51	0.25	0.13	0.8
(-0.4,0.1,0.1)	0.95	0.75	0.22	0.13	0.8
(-0.4,0.1,0.2)	0.76	0.62	0.44	0.12	0.89
(-0.4,0.1,0.4)	0.83	0.45	0.41	0.12	0.89
(-0.4,0.2,-0.4)	0.41	0.16	0.83	0.01	1
(-0.4,0.2,-0.2)	0.38	0.27	0.83	0.01	1
(-0.4,0.2,-0.1)	0.46	0.37	0.45	0.11	0.9
(-0.4,0.2,0.1)	0.98	0.64	0.42	0.12	0.9
(-0.4,0.2,0.2)	0.67	0.5	0.83	0.01	1
(-0.4,0.2,0.4)	0.53	0.32	0.83	0.01	1
(-0.4,0.4,-0.4)	0.04	0.02	0.83	0.01	1
(-0.4,0.4,-0.2)	0.23	0.12	0.83	0.01	1
(-0.4,0.4,-0.1)	0.47	0.22	0.43	0.12	0.9
(-0.4,0.4,0.1)	1	0.52	0.4	0.13	0.9
(-0.4,0.4,0.2)	0.75	0.38	0.83	0.01	1
(-0.4,0.4,0.4)	0.23	0.17	0.83	0.01	1
(-0.2,-0.4,-0.4)	0.46	0.24	0.83	0.01	1
(-0.2,-0.4,-0.2)	0.4	0.34	0.83	0.01	1
(-0.2,-0.4,-0.1)	0.61	0.45	0.45	0.11	0.9
(-0.2,-0.4,0.1)	0.82	0.54	0.42	0.12	0.9
(-0.2,-0.4,0.2)	0.52	0.39	0.83	0.01	1
(-0.2,-0.4,0.4)	0.45	0.21	0.83	0.01	1
(-0.2,-0.2,-0.4)	0.52	0.4	0.83	0.01	1
(-0.2,-0.2,-0.2)	0.39	0.45	0.83	0.01	1
(-0.2,-0.2,-0.1)	0.49	0.55	0.47	0.1	0.91
(-0.2,-0.2,0.1)	0.85	0.68	0.44	0.12	0.91
(-0.2,-0.2,0.2)	0.5	0.52	0.83	0.01	1
(-0.2,-0.2,0.4)	0.38	0.33	0.83	0.01	1
(-0.2,-0.1,-0.4)	0.82	0.53	0.44	0.11	0.9
(-0.2,-0.1,-0.2)	0.72	0.58	0.45	0.1	0.9
(-0.2,-0.1,-0.1)	0.68	0.67	0.25	0.12	0.82
(-0.2,-0.1,0.1)	0.87	0.82	0.25	0.12	0.82
(-0.2,-0.1,0.2)	0.59	0.65	0.45	0.1	0.9
(-0.2,-0.1,0.4)	0.58	0.46	0.44	0.11	0.9

Tab. 6: Simulation results for scenario 2 (continued)

(a, b, c)	MCC	FNC	PCM	PIM	TPR
(-0.2,0.1,-0.4)	0.62	0.43	0.44	0.12	0.89
(-0.2,0.1,-0.2)	0.61	0.52	0.45	0.11	0.9
(-0.2,0.1,-0.1)	0.62	0.62	0.27	0.12	0.81
(-0.2,0.1,0.1)	0.94	0.87	0.24	0.12	0.81
(-0.2,0.1,0.2)	0.7	0.73	0.46	0.11	0.9
(-0.2,0.1,0.4)	0.79	0.58	0.44	0.12	0.89
(-0.2,0.2,-0.4)	0.44	0.31	0.83	0.01	1
(-0.2,0.2,-0.2)	0.36	0.39	0.83	0.01	1
(-0.2,0.2,-0.1)	0.38	0.49	0.47	0.1	0.91
(-0.2,0.2,0.1)	0.97	0.76	0.44	0.11	0.91
(-0.2,0.2,0.2)	0.61	0.61	0.83	0.01	1
(-0.2,0.2,0.4)	0.46	0.44	0.83	0.01	1
(-0.2,0.4,-0.4)	0.51	0.18	0.83	0.01	1
(-0.2,0.4,-0.2)	0.45	0.27	0.83	0.01	1
(-0.2,0.4,-0.1)	0.42	0.36	0.45	0.11	0.9
(-0.2,0.4,0.1)	1	0.67	0.42	0.12	0.9
(-0.2,0.4,0.2)	0.72	0.51	0.83	0.01	1
(-0.2,0.4,0.4)	0.45	0.32	0.83	0.01	1
(-0.1,-0.4,-0.4)	0.74	0.38	0.4	0.12	0.89
(-0.1,-0.4,-0.2)	0.71	0.48	0.43	0.11	0.9
(-0.1,-0.4,-0.1)	0.7	0.58	0.25	0.12	0.8
(-0.1,-0.4,0.1)	0.81	0.66	0.22	0.13	0.8
(-0.1,-0.4,0.2)	0.7	0.52	0.43	0.11	0.9
(-0.1,-0.4,0.4)	0.74	0.35	0.41	0.12	0.89
(-0.1,-0.2,-0.4)	0.72	0.53	0.43	0.12	0.9
(-0.1,-0.2,-0.2)	0.67	0.59	0.45	0.11	0.9
(-0.1,-0.2,-0.1)	0.66	0.68	0.27	0.12	0.81
(-0.1,-0.2,0.1)	0.84	0.81	0.23	0.13	0.82
(-0.1,-0.2,0.2)	0.66	0.65	0.45	0.11	0.9
(-0.1,-0.2,0.4)	0.7	0.47	0.43	0.11	0.9
(-0.1,-0.1,-0.4)	0.81	0.66	0.23	0.13	0.8
(-0.1,-0.1,-0.2)	0.72	0.72	0.25	0.12	0.81
(-0.1,-0.1,-0.1)	0.67	0.8	0.15	0.1	0.72
(-0.1,-0.1,0.1)	0.86	0.95	0.14	0.1	0.72
(-0.1,-0.1,0.2)	0.65	0.78	0.25	0.12	0.81
(-0.1,-0.1,0.4)	0.69	0.6	0.23	0.13	0.8
(-0.1,0.1,-0.4)	0.73	0.56	0.24	0.14	0.79
(-0.1,0.1,-0.2)	0.68	0.65	0.25	0.13	0.81
(-0.1,0.1,-0.1)	0.66	0.75	0.16	0.12	0.72
(-0.1,0.1,0.1)	0.93	1	0.13	0.12	0.72
(-0.1,0.1,0.2)	0.68	0.86	0.25	0.13	0.81
(-0.1,0.1,0.4)	0.78	0.71	0.23	0.14	0.79
(-0.1,0.2,-0.4)	0.74	0.44	0.43	0.12	0.9
(-0.1,0.2,-0.2)	0.7	0.52	0.45	0.11	0.9
(-0.1,0.2,-0.1)	0.68	0.62	0.27	0.11	0.81
(-0.1,0.2,0.1)	0.97	0.89	0.23	0.13	0.81
(-0.1,0.2,0.2)	0.67	0.74	0.45	0.11	0.9
(-0.1,0.2,0.4)	0.71	0.58	0.43	0.11	0.9
(-0.1,0.4,-0.4)	0.78	0.32	0.4	0.12	0.89
(-0.1,0.4,-0.2)	0.75	0.41	0.44	0.12	0.9
(-0.1,0.4,-0.1)	0.73	0.5	0.25	0.12	0.8
(-0.1,0.4,0.1)	1	0.79	0.22	0.14	0.8
(-0.1,0.4,0.2)	0.73	0.64	0.43	0.11	0.9
(-0.1,0.4,0.4)	0.75	0.45	0.41	0.12	0.89

Tab. 7: Simulation results for scenario 2 (continued)

(a,b,c)	MCC	FNC	PCM	PIM	TPR
(0.1,-0.4,-0.4)	0.74	0.38	0.42	0.1	0.9
(0.1,-0.4,-0.2)	0.7	0.47	0.44	0.1	0.91
(0.1,-0.4,-0.1)	0.69	0.58	0.24	0.11	0.81
(0.1,-0.4,0.1)	0.81	0.66	0.23	0.12	0.81
(0.1,-0.4,0.2)	0.69	0.51	0.44	0.1	0.91
(0.1,-0.4,0.4)	0.71	0.34	0.42	0.1	0.9
(0.1,-0.2,-0.4)	0.7	0.52	0.44	0.1	0.91
(0.1,-0.2,-0.2)	0.65	0.58	0.46	0.09	0.91
(0.1,-0.2,-0.1)	0.62	0.67	0.26	0.1	0.82
(0.1,-0.2,0.1)	0.84	0.8	0.25	0.12	0.82
(0.1,-0.2,0.2)	0.62	0.63	0.46	0.09	0.91
(0.1,-0.2,0.4)	0.66	0.45	0.44	0.1	0.91
(0.1,-0.1,-0.4)	0.82	0.65	0.24	0.12	0.81
(0.1,-0.1,-0.2)	0.73	0.71	0.25	0.12	0.81
(0.1,-0.1,-0.1)	0.68	0.79	0.15	0.11	0.72
(0.1,-0.1,0.1)	0.86	0.93	0.14	0.11	0.73
(0.1,-0.1,0.2)	0.59	0.77	0.25	0.12	0.81
(0.1,-0.1,0.4)	0.64	0.58	0.24	0.13	0.81
(0.1,0.1,-0.4)	0.69	0.54	0.23	0.12	0.8
(0.1,0.1,-0.2)	0.62	0.62	0.25	0.11	0.81
(0.1,0.1,-0.1)	0.6	0.72	0.15	0.11	0.72
(0.1,0.1,0.1)	0.93	0.97	0.15	0.1	0.72
(0.1,0.1,0.2)	0.67	0.82	0.26	0.11	0.81
(0.1,0.1,0.4)	0.77	0.67	0.23	0.12	0.8
(0.1,0.2,-0.4)	0.69	0.42	0.44	0.1	0.91
(0.1,0.2,-0.2)	0.64	0.49	0.46	0.09	0.91
(0.1,0.2,-0.1)	0.61	0.59	0.26	0.11	0.82
(0.1,0.2,0.1)	0.96	0.86	0.26	0.11	0.82
(0.1,0.2,0.2)	0.59	0.7	0.46	0.09	0.91
(0.1,0.2,0.4)	0.64	0.54	0.44	0.09	0.91
(0.1,0.4,-0.4)	0.72	0.28	0.42	0.1	0.9
(0.1,0.4,-0.2)	0.68	0.37	0.44	0.1	0.91
(0.1,0.4,-0.1)	0.66	0.46	0.24	0.11	0.81
(0.1,0.4,0.1)	1	0.76	0.23	0.12	0.81
(0.1,0.4,0.2)	0.7	0.6	0.44	0.1	0.91
(0.1,0.4,0.4)	0.67	0.41	0.42	0.1	0.9
(0.2,-0.4,-0.4)	0.46	0.25	0.83	0.01	1
(0.2,-0.4,-0.2)	0.39	0.35	0.83	0.01	1
(0.2,-0.4,-0.1)	0.62	0.45	0.45	0.11	0.9
(0.2,-0.4,0.1)	0.82	0.53	0.42	0.12	0.9
(0.2,-0.4,0.2)	0.51	0.39	0.83	0.01	1
(0.2,-0.4,0.4)	0.43	0.21	0.83	0.01	1
(0.2,-0.2,-0.4)	0.53	0.4	0.83	0.01	1
(0.2,-0.2,-0.2)	0.41	0.46	0.83	0.01	1
(0.2,-0.2,-0.1)	0.5	0.55	0.46	0.1	0.91
(0.2,-0.2,0.1)	0.84	0.67	0.44	0.12	0.91
(0.2,-0.2,0.2)	0.5	0.51	0.83	0.01	1
(0.2,-0.2,0.4)	0.34	0.33	0.83	0.01	1
(0.2,-0.1,-0.4)	0.83	0.53	0.44	0.11	0.9
(0.2,-0.1,-0.2)	0.74	0.58	0.45	0.1	0.91
(0.2,-0.1,-0.1)	0.7	0.67	0.26	0.12	0.82
(0.2,-0.1,0.1)	0.87	0.81	0.25	0.12	0.82
(0.2,-0.1,0.2)	0.61	0.64	0.45	0.1	0.91
(0.2,-0.1,0.4)	0.6	0.45	0.44	0.11	0.9

Tab. 8: Simulation results for scenario 2 (continued)

(a,b,c)	MCC	FNC	PCM	PIM	TPR
(0.2,0.1,-0.4)	0.61	0.41	0.43	0.12	0.89
(0.2,0.1,-0.2)	0.6	0.5	0.45	0.11	0.9
(0.2,0.1,-0.1)	0.6	0.6	0.26	0.13	0.81
(0.2,0.1,0.1)	0.93	0.84	0.24	0.12	0.81
(0.2,0.1,0.2)	0.69	0.7	0.45	0.11	0.9
(0.2,0.1,0.4)	0.77	0.54	0.43	0.12	0.89
(0.2,0.2,-0.4)	0.4	0.29	0.83	0.01	1
(0.2,0.2,-0.2)	0.3	0.36	0.83	0.01	1
(0.2,0.2,-0.1)	0.39	0.46	0.47	0.1	0.91
(0.2,0.2,0.1)	0.96	0.73	0.44	0.11	0.91
(0.2,0.2,0.2)	0.61	0.58	0.83	0.01	1
(0.2,0.2,0.4)	0.45	0.41	0.83	0.01	1
(0.2,0.4,-0.4)	0.46	0.15	0.83	0.01	1
(0.2,0.4,-0.2)	0.38	0.24	0.83	0.01	1
(0.2,0.4,-0.1)	0.43	0.34	0.45	0.11	0.9
(0.2,0.4,0.1)	1	0.63	0.42	0.12	0.9
(0.2,0.4,0.2)	0.71	0.48	0.83	0.01	1
(0.2,0.4,0.4)	0.38	0.28	0.83	0.01	1
(0.4,-0.4,-0.4)	0.11	0.11	0.83	0.01	1
(0.4,-0.4,-0.2)	0.4	0.22	0.83	0.01	1
(0.4,-0.4,-0.1)	0.67	0.33	0.43	0.11	0.9
(0.4,-0.4,0.1)	0.84	0.4	0.41	0.13	0.9
(0.4,-0.4,0.2)	0.57	0.26	0.83	0.01	1
(0.4,-0.4,0.4)	0.09	0.06	0.83	0.01	1
(0.4,-0.2,-0.4)	0.59	0.27	0.83	0.01	1
(0.4,-0.2,-0.2)	0.49	0.35	0.83	0.01	1
(0.4,-0.2,-0.1)	0.58	0.45	0.45	0.1	0.9
(0.4,-0.2,0.1)	0.87	0.56	0.42	0.12	0.9
(0.4,-0.2,0.2)	0.56	0.41	0.83	0.01	1
(0.4,-0.2,0.4)	0.38	0.21	0.83	0.01	1
(0.4,-0.1,-0.4)	0.86	0.4	0.42	0.12	0.9
(0.4,-0.1,-0.2)	0.79	0.48	0.44	0.11	0.9
(0.4,-0.1,-0.1)	0.76	0.57	0.24	0.13	0.8
(0.4,-0.1,0.1)	0.89	0.7	0.23	0.12	0.8
(0.4,-0.1,0.2)	0.68	0.54	0.44	0.11	0.9
(0.4,-0.1,0.4)	0.66	0.34	0.42	0.12	0.9
(0.4,0.1,-0.4)	0.65	0.27	0.42	0.13	0.89
(0.4,0.1,-0.2)	0.65	0.39	0.44	0.12	0.89
(0.4,0.1,-0.1)	0.66	0.5	0.25	0.13	0.8
(0.4,0.1,0.1)	0.94	0.73	0.22	0.14	0.8
(0.4,0.1,0.2)	0.73	0.59	0.44	0.12	0.89
(0.4,0.1,0.4)	0.8	0.42	0.41	0.12	0.89
(0.4,0.2,-0.4)	0.39	0.15	0.83	0.01	1
(0.4,0.2,-0.2)	0.36	0.25	0.83	0.01	1
(0.4,0.2,-0.1)	0.48	0.36	0.45	0.1	0.9
(0.4,0.2,0.1)	0.97	0.62	0.42	0.12	0.9
(0.4,0.2,0.2)	0.66	0.47	0.83	0.01	1
(0.4,0.2,0.4)	0.51	0.29	0.83	0.01	1
(0.4,0.4,-0.4)	0	0	0.83	0.01	1
(0.4,0.4,-0.2)	0.25	0.11	0.83	0.01	1
(0.4,0.4,-0.1)	0.49	0.21	0.43	0.12	0.9
(0.4,0.4,0.1)	1	0.5	0.41	0.13	0.9
(0.4,0.4,0.2)	0.75	0.35	0.83	0.01	1
(0.4,0.4,0.4)	0.24	0.15	0.83	0.01	1

Tab. 9: Simulation results for scenario 3. We calculate the percentage of correctly selected models (PCM), the percentage of incorrectly selected models (PIM) and the true positive rate (TPR).

(a, b, c)	MCC	FNC	PCM	PIM	TPR
(-0.4,-0.4,-0.4)	0.28	0.11	0.83	0.01	1
(-0.4,-0.4,-0.2)	0.52	0.31	0.82	0.01	1
(-0.4,-0.4,-0.1)	0.7	0.46	0.44	0.12	0.9
(-0.4,-0.4,0.1)	0.55	0.33	0.43	0.12	0.91
(-0.4,-0.4,0.2)	0.38	0.19	0.82	0.01	1
(-0.4,-0.4,0.4)	0	0.03	0.83	0.01	1
(-0.4,-0.2,-0.4)	0.66	0.31	0.82	0	1
(-0.4,-0.2,-0.2)	0.6	0.46	0.81	0	1
(-0.4,-0.2,-0.1)	0.81	0.61	0.45	0.11	0.91
(-0.4,-0.2,0.1)	0.65	0.51	0.45	0.11	0.91
(-0.4,-0.2,0.2)	0.38	0.35	0.82	0.01	1
(-0.4,-0.2,0.4)	0.26	0.19	0.83	0.01	1
(-0.4,-0.1,-0.4)	0.84	0.47	0.44	0.1	0.91
(-0.4,-0.1,-0.2)	0.88	0.61	0.45	0.09	0.91
(-0.4,-0.1,-0.1)	0.85	0.75	0.26	0.12	0.82
(-0.4,-0.1,0.1)	0.68	0.67	0.28	0.11	0.82
(-0.4,-0.1,0.2)	0.59	0.51	0.46	0.09	0.91
(-0.4,-0.1,0.4)	0.45	0.34	0.45	0.11	0.9
(-0.4,0.1,-0.4)	0.68	0.33	0.42	0.14	0.9
(-0.4,0.1,-0.2)	0.78	0.51	0.44	0.13	0.9
(-0.4,0.1,-0.1)	0.81	0.67	0.25	0.15	0.81
(-0.4,0.1,0.1)	0.72	0.71	0.25	0.14	0.82
(-0.4,0.1,0.2)	0.65	0.57	0.44	0.13	0.9
(-0.4,0.1,0.4)	0.55	0.43	0.44	0.13	0.9
(-0.4,0.2,-0.4)	0.5	0.18	0.83	0.01	1
(-0.4,0.2,-0.2)	0.52	0.35	0.81	0.01	1
(-0.4,0.2,-0.1)	0.72	0.51	0.45	0.11	0.91
(-0.4,0.2,0.1)	0.76	0.57	0.45	0.11	0.91
(-0.4,0.2,0.2)	0.47	0.42	0.82	0.01	1
(-0.4,0.2,0.4)	0.37	0.27	0.83	0.01	1
(-0.4,0.4,-0.4)	0.21	0.01	0.83	0.01	1
(-0.4,0.4,-0.2)	0.38	0.18	0.83	0.01	1
(-0.4,0.4,-0.1)	0.56	0.33	0.44	0.12	0.9
(-0.4,0.4,0.1)	0.63	0.44	0.43	0.12	0.9
(-0.4,0.4,0.2)	0.52	0.28	0.82	0.01	1
(-0.4,0.4,0.4)	0.12	0.1	0.84	0.01	1
(-0.2,-0.4,-0.4)	0.73	0.31	0.77	0.01	0.99
(-0.2,-0.4,-0.2)	0.72	0.48	0.7	0.03	0.97
(-0.2,-0.4,-0.1)	0.85	0.62	0.36	0.12	0.87
(-0.2,-0.4,0.1)	0.7	0.47	0.35	0.11	0.87
(-0.2,-0.4,0.2)	0.56	0.32	0.7	0.03	0.97
(-0.2,-0.4,0.4)	0.41	0.13	0.76	0.02	0.99
(-0.2,-0.2,-0.4)	0.85	0.51	0.69	0.02	0.97
(-0.2,-0.2,-0.2)	0.85	0.64	0.58	0.05	0.95
(-0.2,-0.2,-0.1)	0.87	0.77	0.3	0.11	0.84
(-0.2,-0.2,0.1)	0.69	0.65	0.3	0.12	0.84
(-0.2,-0.2,0.2)	0.6	0.49	0.59	0.06	0.94
(-0.2,-0.2,0.4)	0.44	0.31	0.7	0.02	0.97
(-0.2,-0.1,-0.4)	0.94	0.66	0.38	0.1	0.87
(-0.2,-0.1,-0.2)	0.88	0.79	0.31	0.1	0.85
(-0.2,-0.1,-0.1)	0.84	0.9	0.16	0.1	0.74
(-0.2,-0.1,0.1)	0.72	0.81	0.17	0.1	0.74
(-0.2,-0.1,0.2)	0.67	0.65	0.31	0.1	0.84
(-0.2,-0.1,0.4)	0.59	0.45	0.38	0.1	0.87

Tab. 10: Simulation results for scenario 3 (continued)

(a, b, c)	MCC	FNC	PCM	PIM	TPR
(-0.2,0.1,-0.4)	0.85	0.53	0.35	0.13	0.86
(-0.2,0.1,-0.2)	0.86	0.69	0.3	0.12	0.84
(-0.2,0.1,-0.1)	0.85	0.83	0.15	0.13	0.73
(-0.2,0.1,0.1)	0.75	0.85	0.15	0.11	0.73
(-0.2,0.1,0.2)	0.71	0.7	0.3	0.13	0.83
(-0.2,0.1,0.4)	0.69	0.54	0.36	0.12	0.86
(-0.2,0.2,-0.4)	0.83	0.39	0.71	0.03	0.97
(-0.2,0.2,-0.2)	0.85	0.54	0.6	0.06	0.95
(-0.2,0.2,-0.1)	0.84	0.68	0.3	0.12	0.84
(-0.2,0.2,0.1)	0.78	0.72	0.29	0.11	0.84
(-0.2,0.2,0.2)	0.62	0.56	0.59	0.05	0.94
(-0.2,0.2,0.4)	0.5	0.4	0.7	0.03	0.97
(-0.2,0.4,-0.4)	0.69	0.21	0.77	0.01	0.98
(-0.2,0.4,-0.2)	0.7	0.37	0.71	0.04	0.97
(-0.2,0.4,-0.1)	0.73	0.5	0.37	0.13	0.87
(-0.2,0.4,0.1)	0.8	0.58	0.36	0.11	0.87
(-0.2,0.4,0.2)	0.62	0.42	0.69	0.03	0.97
(-0.2,0.4,0.4)	0.45	0.22	0.77	0.01	0.98
(-0.1,-0.4,-0.4)	0.97	0.47	0.18	0.28	0.79
(-0.1,-0.4,-0.2)	0.94	0.61	0.12	0.37	0.77
(-0.1,-0.4,-0.1)	0.92	0.73	0.05	0.29	0.66
(-0.1,-0.4,0.1)	0.81	0.58	0.06	0.28	0.67
(-0.1,-0.4,0.2)	0.76	0.44	0.13	0.37	0.77
(-0.1,-0.4,0.4)	0.66	0.25	0.2	0.3	0.8
(-0.1,-0.2,-0.4)	0.99	0.65	0.12	0.36	0.77
(-0.1,-0.2,-0.2)	0.95	0.76	0.08	0.47	0.73
(-0.1,-0.2,-0.1)	0.92	0.87	0.04	0.36	0.64
(-0.1,-0.2,0.1)	0.84	0.75	0.04	0.34	0.64
(-0.1,-0.2,0.2)	0.78	0.59	0.08	0.46	0.74
(-0.1,-0.2,0.4)	0.68	0.41	0.14	0.38	0.78
(-0.1,-0.1,-0.4)	1	0.79	0.06	0.27	0.66
(-0.1,-0.1,-0.2)	0.95	0.89	0.04	0.34	0.64
(-0.1,-0.1,-0.1)	0.93	1	0.02	0.27	0.54
(-0.1,-0.1,0.1)	0.84	0.9	0.02	0.24	0.55
(-0.1,-0.1,0.2)	0.79	0.74	0.04	0.33	0.64
(-0.1,-0.1,0.4)	0.68	0.54	0.07	0.27	0.67
(-0.1,0.1,-0.4)	1	0.67	0.07	0.27	0.65
(-0.1,0.1,-0.2)	0.95	0.8	0.04	0.36	0.64
(-0.1,0.1,-0.1)	0.93	0.93	0.02	0.28	0.53
(-0.1,0.1,0.1)	0.85	0.93	0.02	0.26	0.54
(-0.1,0.1,0.2)	0.8	0.79	0.05	0.36	0.63
(-0.1,0.1,0.4)	0.78	0.64	0.07	0.28	0.66
(-0.1,0.2,-0.4)	1	0.54	0.15	0.38	0.77
(-0.1,0.2,-0.2)	0.96	0.66	0.09	0.48	0.74
(-0.1,0.2,-0.1)	0.93	0.79	0.04	0.36	0.64
(-0.1,0.2,0.1)	0.85	0.81	0.05	0.34	0.64
(-0.1,0.2,0.2)	0.79	0.66	0.1	0.46	0.74
(-0.1,0.2,0.4)	0.69	0.5	0.15	0.36	0.77
(-0.1,0.4,-0.4)	0.96	0.37	0.19	0.3	0.8
(-0.1,0.4,-0.2)	0.95	0.51	0.14	0.38	0.76
(-0.1,0.4,-0.1)	0.92	0.62	0.06	0.29	0.66
(-0.1,0.4,0.1)	0.87	0.69	0.06	0.27	0.67
(-0.1,0.4,0.2)	0.78	0.54	0.14	0.35	0.77
(-0.1,0.4,0.4)	0.69	0.34	0.2	0.28	0.8

Tab. 11: Simulation results for scenario 3 (continued)

(a,b,c)	MCC	FNC	PCM	PIM	TPR
(0.1,-0.4,-0.4)	0.67	0.32	0.22	0.26	0.81
(0.1,-0.4,-0.2)	0.76	0.53	0.14	0.34	0.78
(0.1,-0.4,-0.1)	0.87	0.68	0.07	0.26	0.67
(0.1,-0.4,0.1)	0.9	0.6	0.07	0.28	0.67
(0.1,-0.4,0.2)	0.93	0.48	0.15	0.37	0.77
(0.1,-0.4,0.4)	0.95	0.36	0.22	0.28	0.8
(0.1,-0.2,-0.4)	0.67	0.49	0.14	0.34	0.78
(0.1,-0.2,-0.2)	0.77	0.66	0.08	0.44	0.75
(0.1,-0.2,-0.1)	0.82	0.81	0.04	0.32	0.65
(0.1,-0.2,0.1)	0.92	0.77	0.05	0.34	0.65
(0.1,-0.2,0.2)	0.96	0.65	0.12	0.46	0.74
(0.1,-0.2,0.4)	0.97	0.52	0.15	0.37	0.78
(0.1,-0.1,-0.4)	0.8	0.64	0.06	0.26	0.68
(0.1,-0.1,-0.2)	0.78	0.79	0.04	0.33	0.65
(0.1,-0.1,-0.1)	0.82	0.94	0.02	0.24	0.54
(0.1,-0.1,0.1)	0.92	0.92	0.03	0.26	0.55
(0.1,-0.1,0.2)	0.95	0.79	0.06	0.34	0.65
(0.1,-0.1,0.4)	0.98	0.66	0.07	0.28	0.67
(0.1,0.1,-0.4)	0.66	0.51	0.06	0.26	0.67
(0.1,0.1,-0.2)	0.76	0.7	0.04	0.34	0.64
(0.1,0.1,-0.1)	0.81	0.86	0.03	0.26	0.54
(0.1,0.1,0.1)	0.91	0.95	0.02	0.25	0.55
(0.1,0.1,0.2)	0.95	0.84	0.05	0.36	0.64
(0.1,0.1,0.4)	0.98	0.74	0.08	0.3	0.66
(0.1,0.2,-0.4)	0.65	0.37	0.13	0.35	0.78
(0.1,0.2,-0.2)	0.75	0.56	0.08	0.45	0.74
(0.1,0.2,-0.1)	0.81	0.72	0.05	0.34	0.64
(0.1,0.2,0.1)	0.9	0.82	0.05	0.36	0.65
(0.1,0.2,0.2)	0.95	0.71	0.1	0.48	0.75
(0.1,0.2,0.4)	0.98	0.61	0.14	0.38	0.77
(0.1,0.4,-0.4)	0.64	0.22	0.19	0.28	0.81
(0.1,0.4,-0.2)	0.73	0.41	0.14	0.36	0.78
(0.1,0.4,-0.1)	0.78	0.56	0.06	0.28	0.67
(0.1,0.4,0.1)	0.89	0.7	0.06	0.28	0.67
(0.1,0.4,0.2)	0.92	0.58	0.14	0.37	0.77
(0.1,0.4,0.4)	0.95	0.44	0.2	0.29	0.8
(0.2,-0.4,-0.4)	0.43	0.21	0.78	0.01	0.99
(0.2,-0.4,-0.2)	0.63	0.42	0.71	0.02	0.98
(0.2,-0.4,-0.1)	0.81	0.58	0.38	0.11	0.88
(0.2,-0.4,0.1)	0.72	0.47	0.37	0.12	0.88
(0.2,-0.4,0.2)	0.69	0.35	0.71	0.03	0.98
(0.2,-0.4,0.4)	0.68	0.19	0.77	0.02	0.99
(0.2,-0.2,-0.4)	0.53	0.4	0.71	0.02	0.98
(0.2,-0.2,-0.2)	0.6	0.56	0.6	0.04	0.95
(0.2,-0.2,-0.1)	0.79	0.72	0.32	0.1	0.85
(0.2,-0.2,0.1)	0.81	0.66	0.3	0.11	0.85
(0.2,-0.2,0.2)	0.82	0.53	0.6	0.04	0.95
(0.2,-0.2,0.4)	0.81	0.38	0.72	0.02	0.98
(0.2,-0.1,-0.4)	0.72	0.55	0.36	0.1	0.88
(0.2,-0.1,-0.2)	0.75	0.71	0.31	0.1	0.85
(0.2,-0.1,-0.1)	0.76	0.85	0.17	0.1	0.75
(0.2,-0.1,0.1)	0.82	0.82	0.16	0.1	0.75
(0.2,-0.1,0.2)	0.83	0.68	0.31	0.1	0.85
(0.2,-0.1,0.4)	0.83	0.52	0.37	0.1	0.88

Tab. 12: Simulation results for scenario 3 (continued)

(a, b, c)	MCC	FNC	PCM	PIM	TPR
(0.2,0.1,-0.4)	0.56	0.41	0.35	0.13	0.87
(0.2,0.1,-0.2)	0.64	0.61	0.31	0.13	0.84
(0.2,0.1,-0.1)	0.72	0.78	0.17	0.14	0.74
(0.2,0.1,0.1)	0.83	0.85	0.16	0.12	0.74
(0.2,0.1,0.2)	0.85	0.74	0.3	0.12	0.84
(0.2,0.1,0.4)	0.91	0.62	0.35	0.12	0.87
(0.2,0.2,-0.4)	0.42	0.27	0.71	0.03	0.98
(0.2,0.2,-0.2)	0.58	0.46	0.59	0.05	0.95
(0.2,0.2,-0.1)	0.71	0.62	0.32	0.12	0.85
(0.2,0.2,0.1)	0.86	0.72	0.3	0.11	0.85
(0.2,0.2,0.2)	0.82	0.6	0.59	0.04	0.95
(0.2,0.2,0.4)	0.82	0.47	0.71	0.02	0.98
(0.2,0.4,-0.4)	0.39	0.11	0.78	0.02	0.99
(0.2,0.4,-0.2)	0.54	0.3	0.72	0.03	0.98
(0.2,0.4,-0.1)	0.71	0.45	0.37	0.12	0.87
(0.2,0.4,0.1)	0.84	0.58	0.35	0.12	0.88
(0.2,0.4,0.2)	0.68	0.45	0.71	0.03	0.98
(0.2,0.4,0.4)	0.69	0.28	0.79	0.01	0.99
(0.4,-0.4,-0.4)	0.12	0.09	0.83	0.01	1
(0.4,-0.4,-0.2)	0.54	0.28	0.82	0.01	1
(0.4,-0.4,-0.1)	0.65	0.44	0.44	0.12	0.9
(0.4,-0.4,0.1)	0.56	0.31	0.43	0.12	0.91
(0.4,-0.4,0.2)	0.38	0.17	0.82	0.01	1
(0.4,-0.4,0.4)	0.21	0	0.83	0.01	1
(0.4,-0.2,-0.4)	0.4	0.28	0.82	0	1
(0.4,-0.2,-0.2)	0.48	0.43	0.82	0	1
(0.4,-0.2,-0.1)	0.77	0.58	0.45	0.11	0.91
(0.4,-0.2,0.1)	0.72	0.5	0.45	0.11	0.91
(0.4,-0.2,0.2)	0.52	0.34	0.82	0.01	1
(0.4,-0.2,0.4)	0.52	0.18	0.83	0.01	1
(0.4,-0.1,-0.4)	0.59	0.45	0.44	0.1	0.91
(0.4,-0.1,-0.2)	0.68	0.58	0.45	0.09	0.91
(0.4,-0.1,-0.1)	0.74	0.72	0.26	0.12	0.82
(0.4,-0.1,0.1)	0.81	0.67	0.28	0.11	0.82
(0.4,-0.1,0.2)	0.81	0.51	0.46	0.09	0.91
(0.4,-0.1,0.4)	0.71	0.33	0.45	0.11	0.9
(0.4,0.1,-0.4)	0.43	0.3	0.42	0.14	0.9
(0.4,0.1,-0.2)	0.57	0.48	0.44	0.13	0.9
(0.4,0.1,-0.1)	0.68	0.64	0.25	0.15	0.81
(0.4,0.1,0.1)	0.84	0.7	0.25	0.14	0.82
(0.4,0.1,0.2)	0.85	0.57	0.45	0.13	0.9
(0.4,0.1,0.4)	0.82	0.43	0.44	0.13	0.9
(0.4,0.2,-0.4)	0.25	0.16	0.83	0.01	1
(0.4,0.2,-0.2)	0.39	0.33	0.81	0.01	1
(0.4,0.2,-0.1)	0.67	0.49	0.45	0.11	0.91
(0.4,0.2,0.1)	0.79	0.56	0.45	0.11	0.91
(0.4,0.2,0.2)	0.59	0.42	0.82	0.01	1
(0.4,0.2,0.4)	0.64	0.27	0.83	0.01	1
(0.4,0.4,-0.4)	0	0.02	0.83	0.01	1
(0.4,0.4,-0.2)	0.39	0.18	0.83	0.01	1
(0.4,0.4,-0.1)	0.56	0.32	0.44	0.12	0.9
(0.4,0.4,0.1)	0.68	0.44	0.43	0.12	0.9
(0.4,0.4,0.2)	0.5	0.28	0.82	0.01	1
(0.4,0.4,0.4)	0.25	0.09	0.84	0.01	1