

# Stochastic Block Model Prior with Ordering Constraints for Gaussian Graphical Models

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2023-01-17

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sim_id	n	p	data_gen	seed	part0	B_sigma	rho_true	accept	rho_est	VI	RI	KL
cca3ef91	500	25	BD	22111996	25	0.2	8, 4, 8, 5	0.019	8, 4, 8, 5	1	1	0.1872
2d460a32	500	25	BD	31051999	25	0.2	8, 4, 8, 5	0.019	8, 4, 8, 5	1	1	0.1872
3ca23173	500	25	BD	27051999	25	0.2	8, 4, 8, 5	0.019	8, 4, 8, 5	1	1	0.1872
66cff7cd	500	25	BD	29061999	25	0.2	8, 4, 8, 5	0.019	8, 4, 8, 5	1	1	0.1872
c28af21d	500	25	BD	12091997	25	0.2	8, 4, 8, 5	0.019	8, 4, 8, 5	1	1	0.1872
4c081667	500	25	BD	27091999	25	0.2	8, 4, 8, 5	0.019	8, 4, 8, 5	1	1	0.1872
15a6eba8	500	25	BD	27121996	25	0.2	8, 4, 8, 5	0.019	8, 4, 8, 5	1	1	0.1872
b5f94031	500	25	BD	22111996	25	0.2	8, 4, 8, 5	0.019	8, 4, 8, 5	1	1	0.1872
f8630968	500	25	BD	27121996	25	0.062	8, 4, 8, 5	0.0677	8, 4, 8, 5	1	1	0.1904
3a694cea	500	25	BD	27121996	25	0.078	8, 4, 8, 5	0.0835	8, 4, 8, 5	1	1	0.1878
f90e1aec	500	25	BD	27121996	25	0.093	8, 4, 8, 5	0.0751	8, 4, 8, 5	1	1	0.1883
4889d3e2	500	25	BD	27121996	25	0.108	8, 4, 8, 5	0.08	8, 4, 8, 5	1	1	0.1895
4b831db5	500	25	BD	27121996	25	0.124	8, 4, 8, 5	0.079	8, 4, 8, 5	1	1	0.1862
46c55514	500	25	BD	27121996	25	0.139	8, 4, 8, 5	0.06	8, 4, 8, 5	1	1	0.1881
71db4f64	500	25	BD	27121996	25	0.154	8, 4, 8, 5	0.0495	8, 4, 8, 5	1	1	0.1941
9092fabf	500	25	BD	27121996	25	0.169	8, 4, 8, 5	0.0467	8, 4, 8, 5	1	1	0.191
e1d4b831	500	25	BD	27121996	25	0.185	8, 4, 8, 5	0.0421	8, 4, 8, 5	1	1	0.1894
1016c809	500	25	BD	27121996	25	0.2	8, 4, 8, 5	0.019	8, 4, 8, 5	1	1	0.1872
c6689c28	500	25	BD	27121996	25	0.2	8, 4, 8, 5	0.019	8, 4, 8, 5	1	1	0.1872
c2b17c1c	500	25	BD	27121996	singletons	0.2	8, 4, 8, 5	0.019	8, 4, 8, 5	1	1	0.1872
7d670094	500	25	BD	27121996	25	0.2	8, 4, 8, 5	0.019	8, 4, 8, 5	1	1	0.1872
24803d61	500	25	BD	27121996	12, 13	0.2	1, 10, 2, 9, 3	0.072	1, 10, 2, 9, 3	1	1	0.1813
d4c95ba6	500	25	BD	27121996	8, 8, 9	0.02	1, 3, 2, 4, 2, 3, 3, 4, 3	0.397	18, 7	1	0.1286	0.1263
491978b5	500	25	BD	27121996	6, 6, 6, 7	0.2	12, 13	0.1293	12, 13	1	1	0.2554

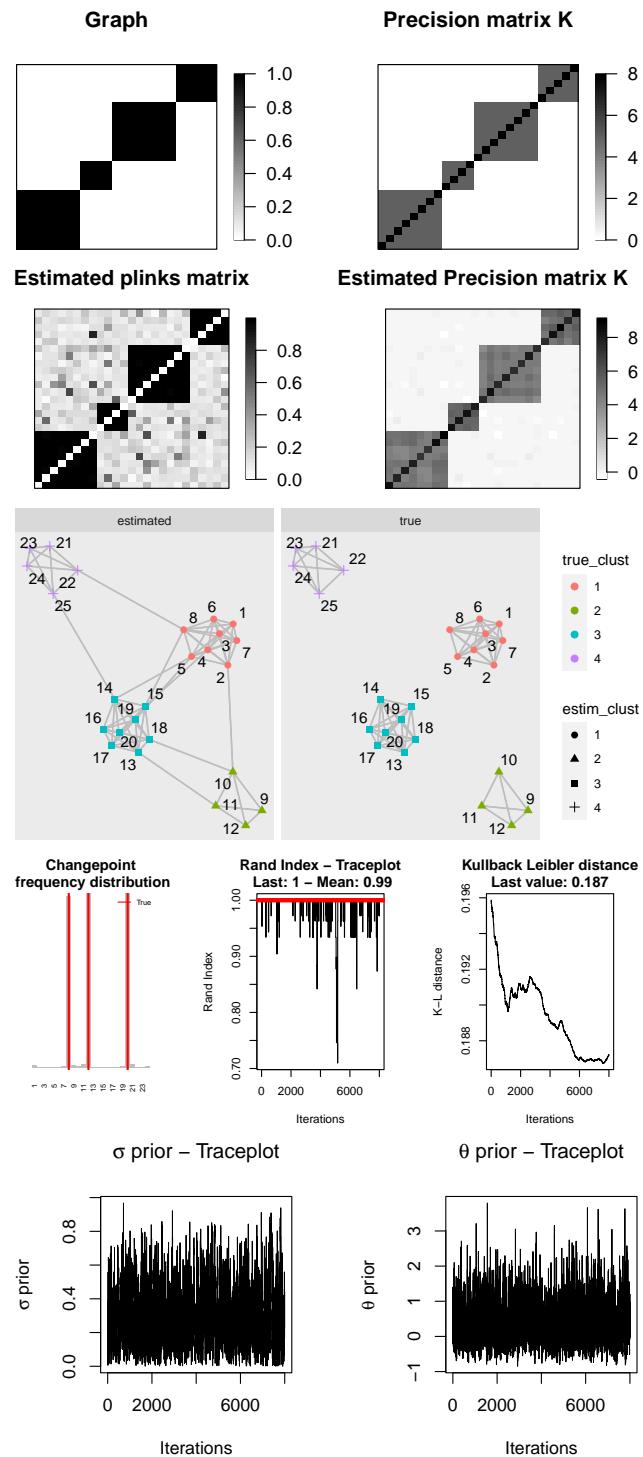
## 1 Recap table

## 2 Simulations

### 2.1 Group 1

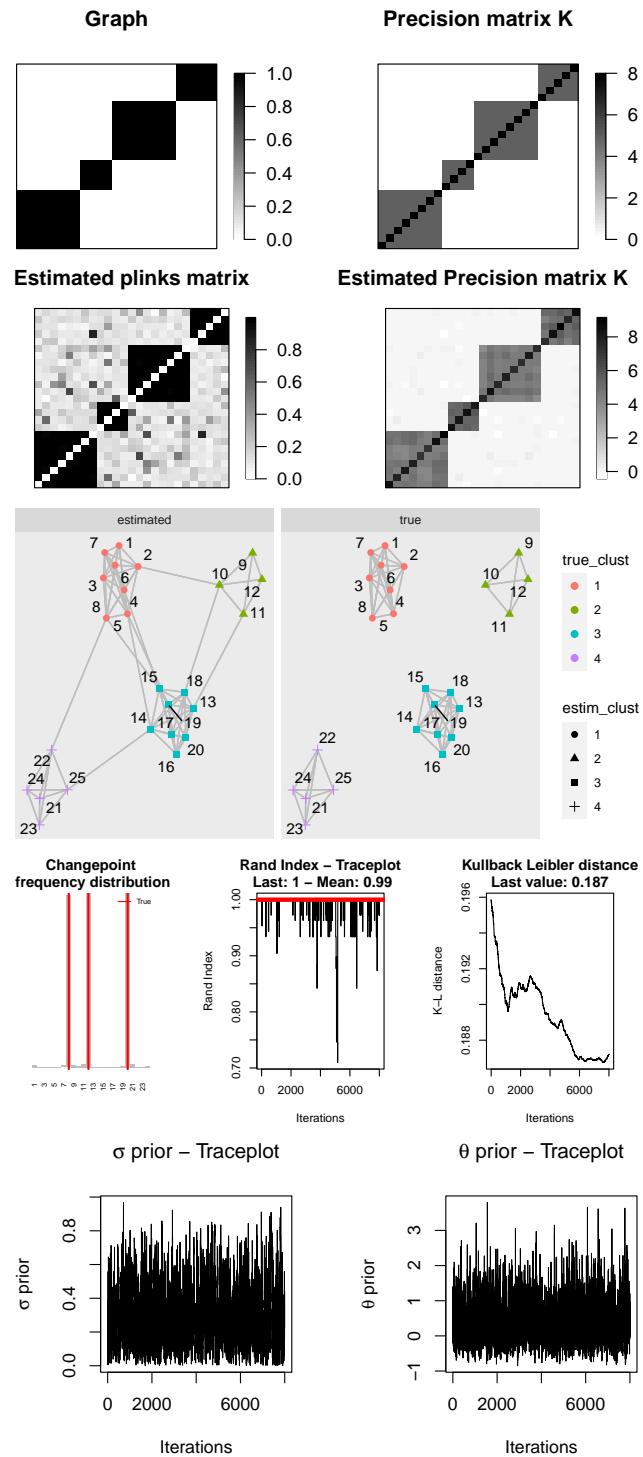
#### 2.1.1 Simulation number 1

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
cca3ef91	500	25	Generate_BlockDiagonal	22111996	25	0.2	8,4,8,5



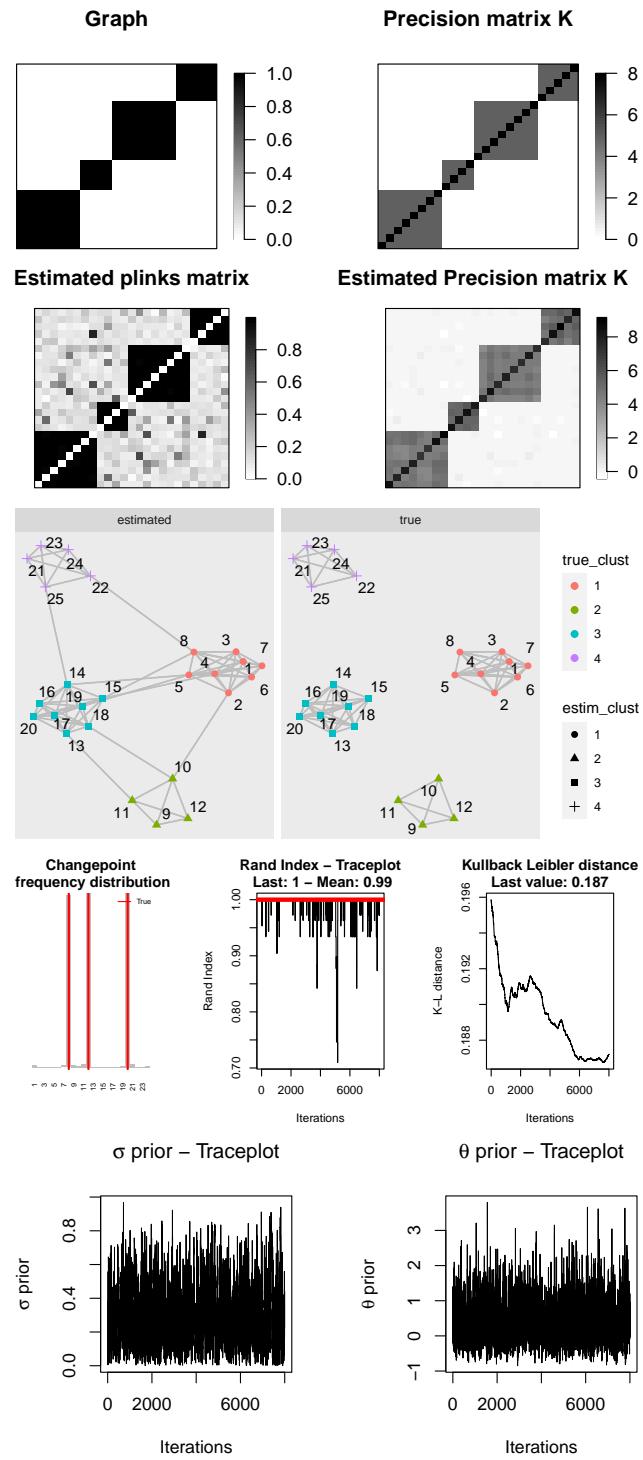
### 2.1.2 Simulation number 2

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
2d460a32	500	25	Generate_BlockDiagonal	31051999	25	0.2	8,4,8,5



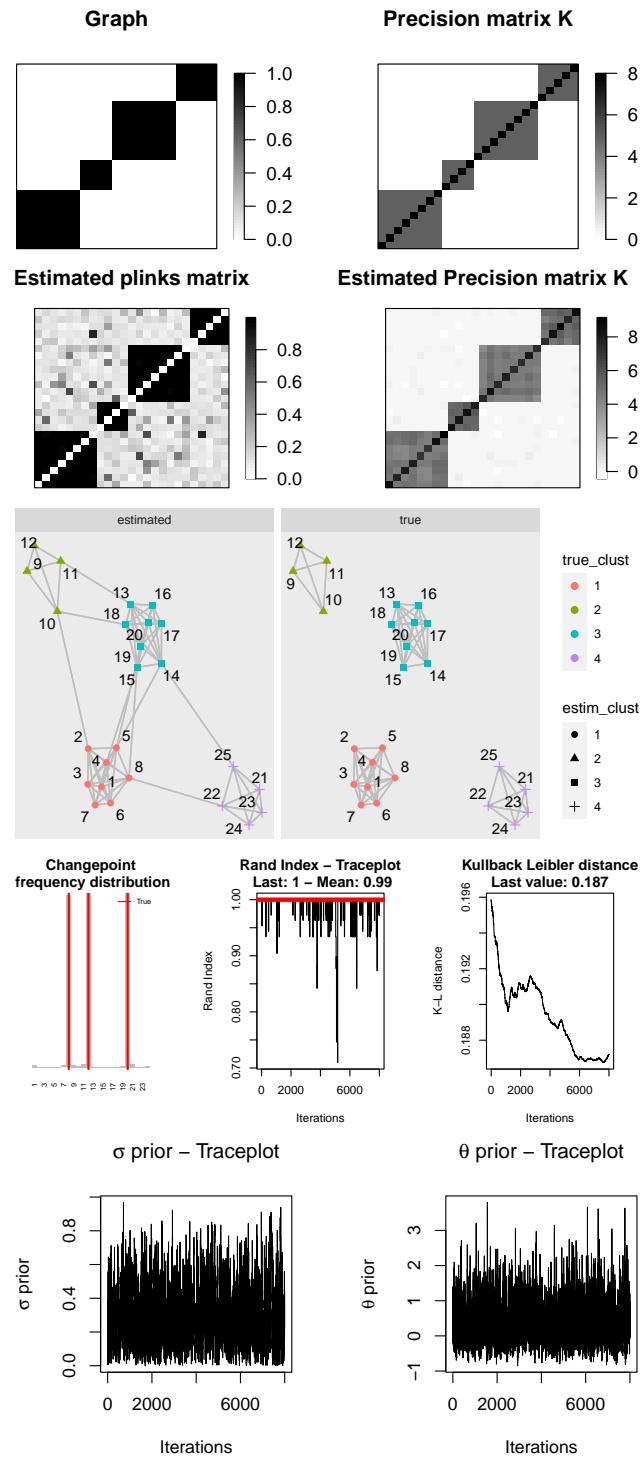
### 2.1.3 Simulation number 3

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
3ca23173	500	25	Generate_BlockDiagonal	27051999	25	0.2	8,4,8,5



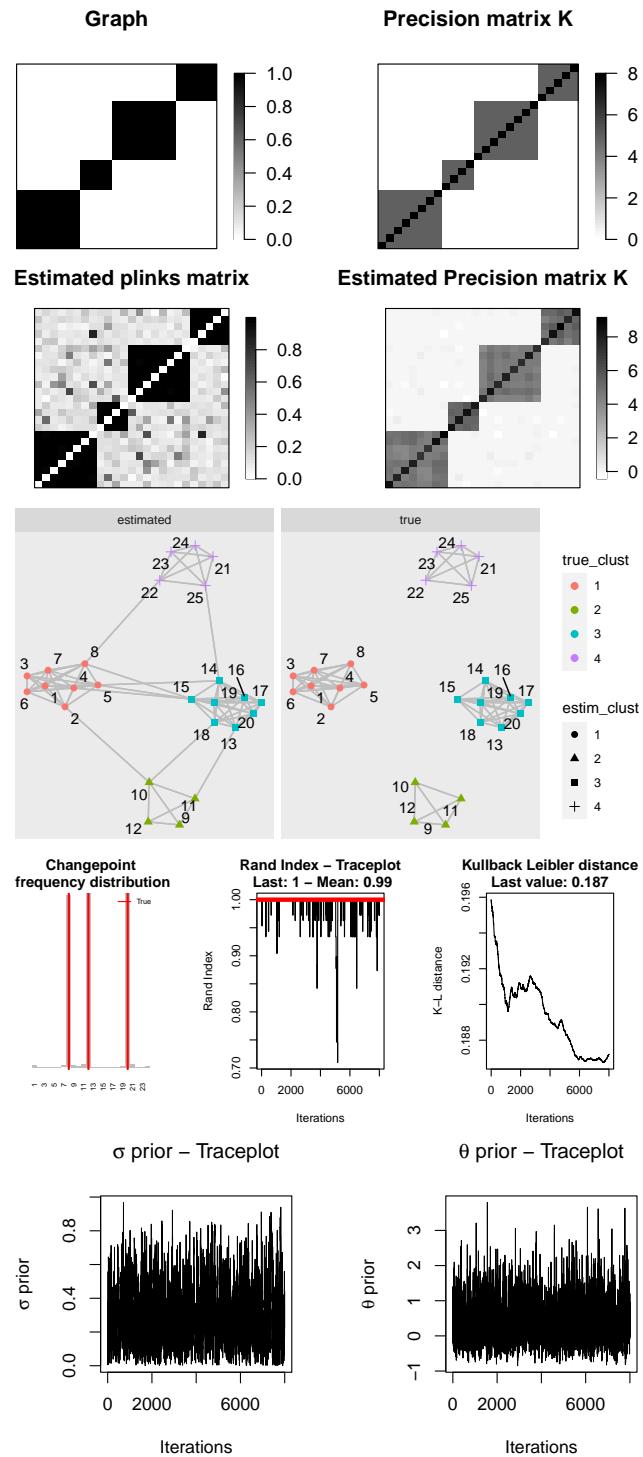
#### 2.1.4 Simulation number 4

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
66cff7cd	500	25	Generate_BlockDiagonal	29061999	25	0.2	8,4,8,5



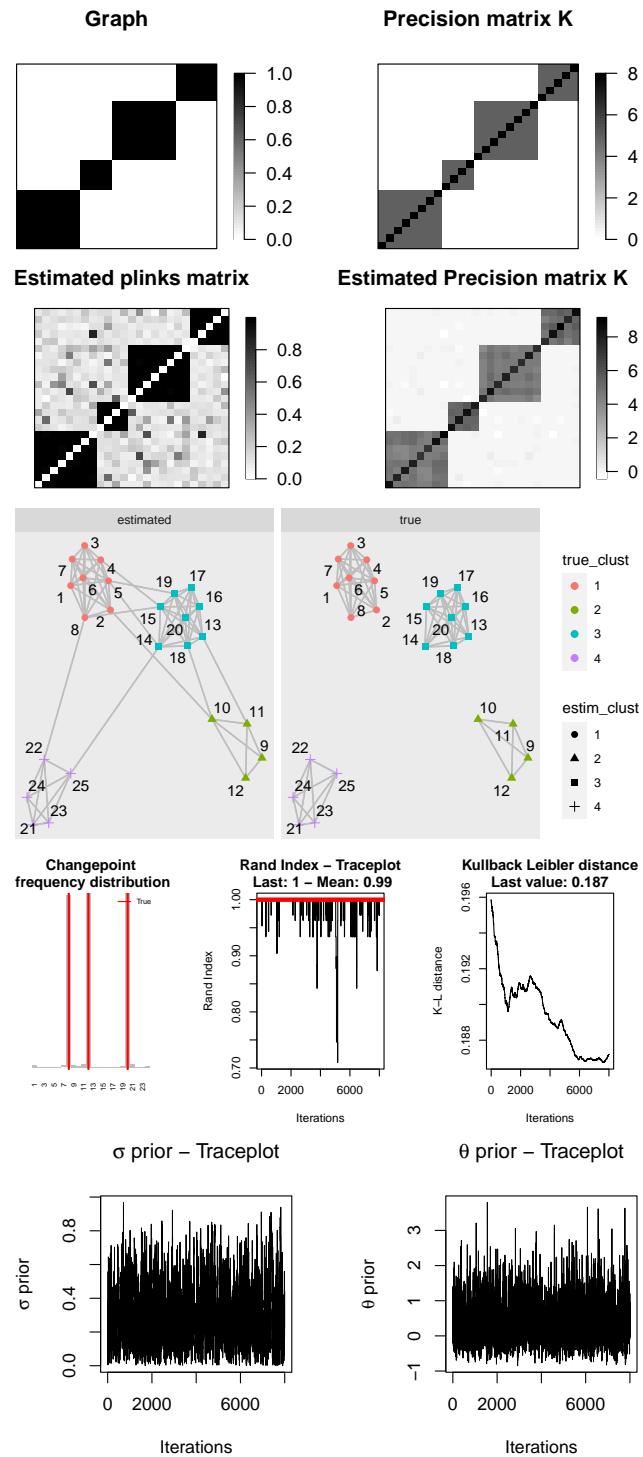
### 2.1.5 Simulation number 5

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
c28af21d	500	25	Generate_BlockDiagonal	12091997	25	0.2	8,4,8,5



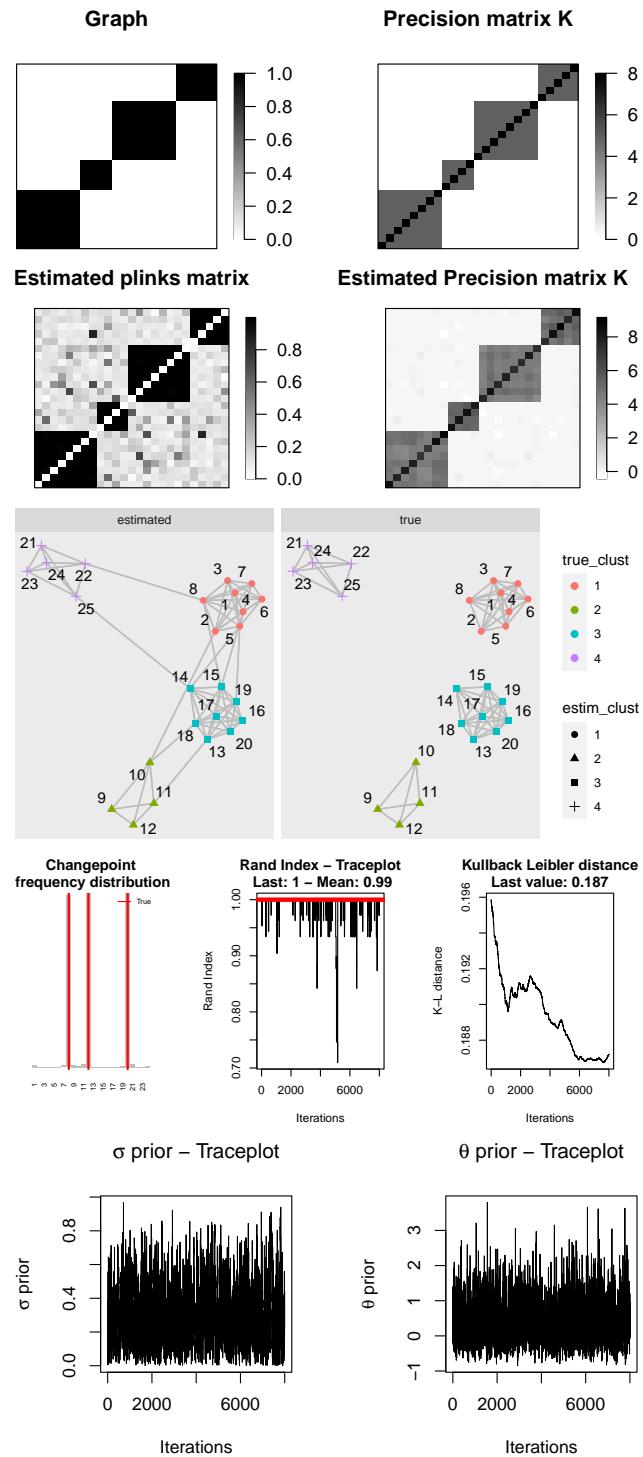
### 2.1.6 Simulation number 6

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
4c081667	500	25	Generate_BlockDiagonal	27091999	25	0.2	8,4,8,5



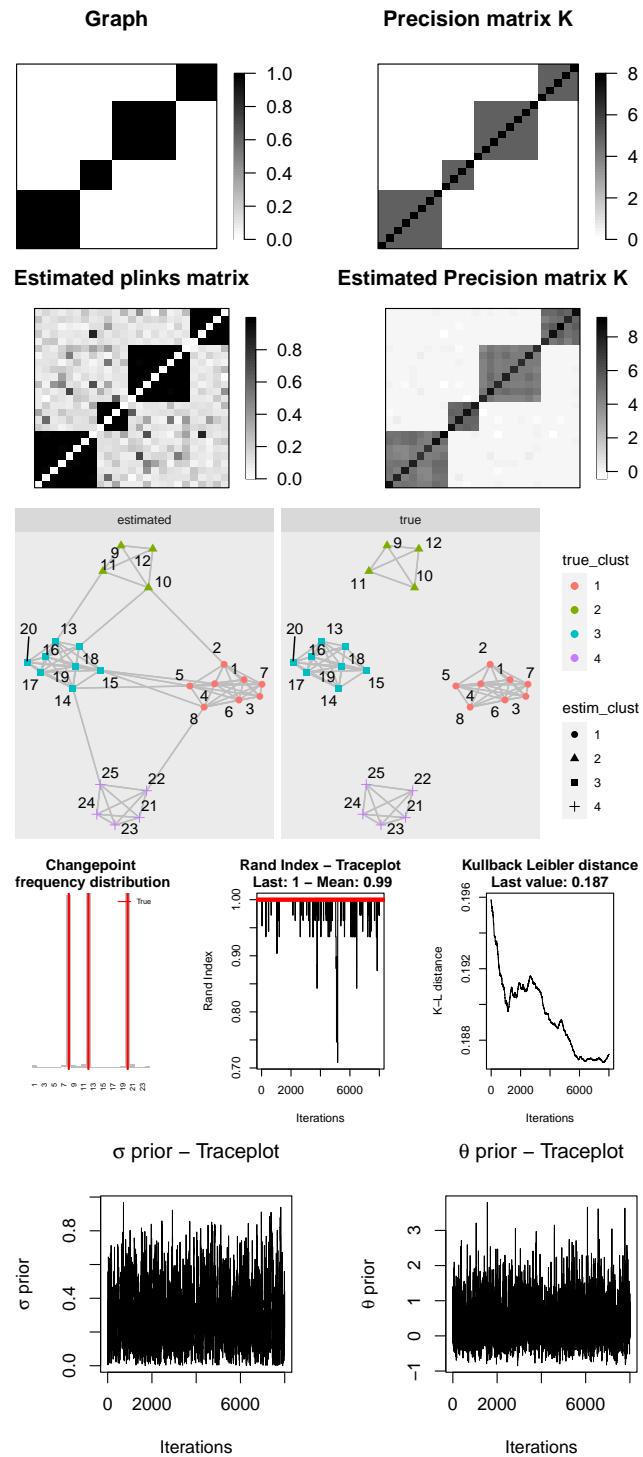
### 2.1.7 Simulation number 7

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
15a6eba8	500	25	Generate_BlockDiagonal	27121996	25	0.2	8,4,8,5



### 2.1.8 Simulation number 8

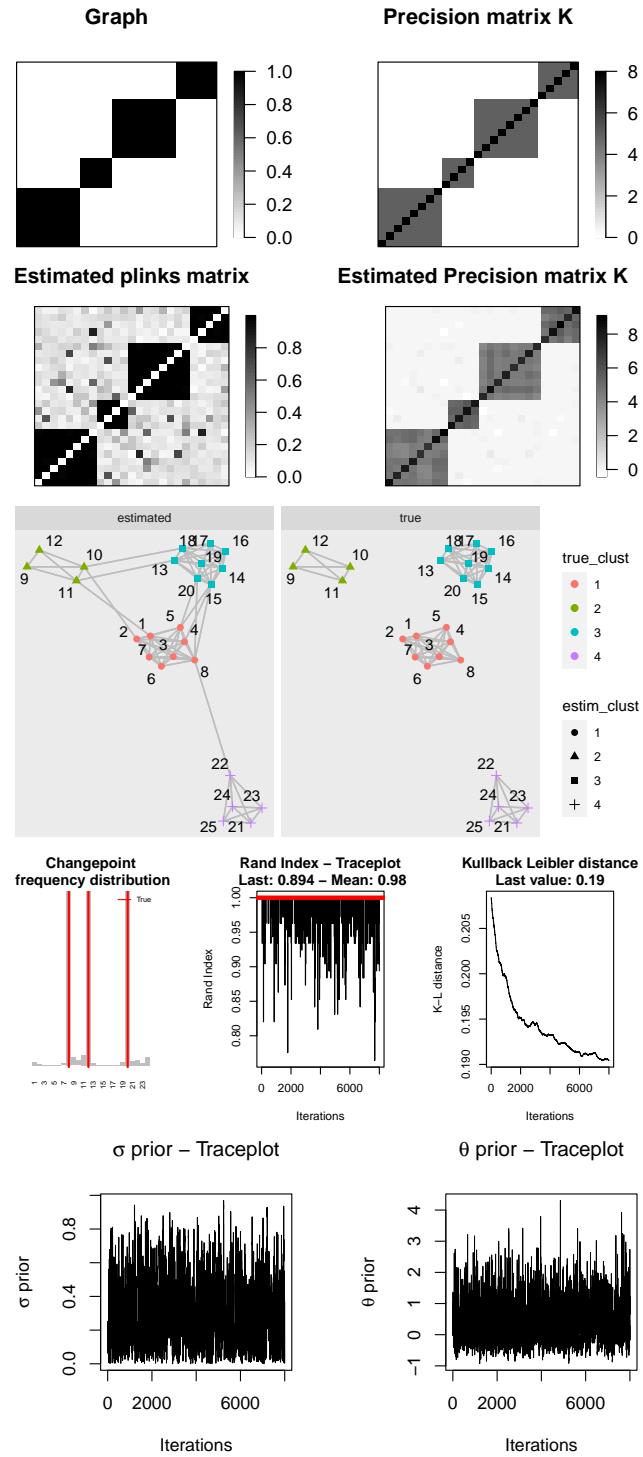
simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
b5f94031	500	25	Generate_BlockDiagonal	22111996	25	0.2	8,4,8,5



## 2.2 Group 2

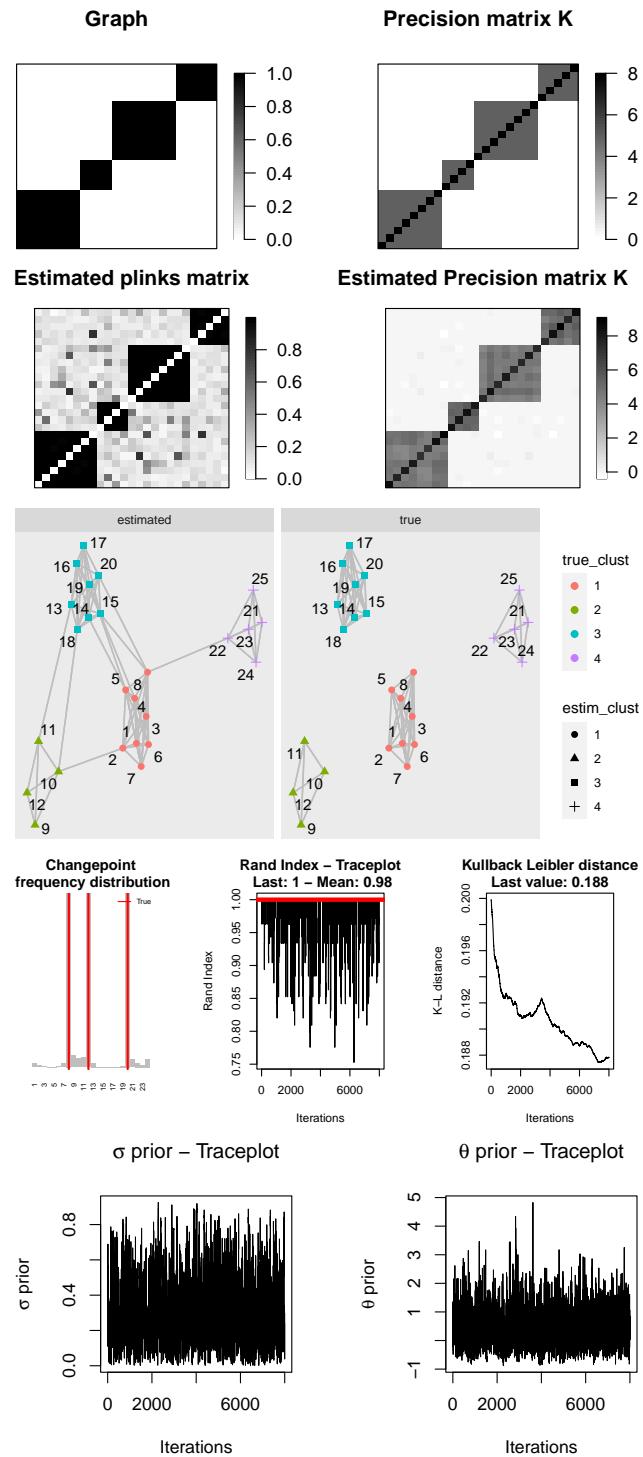
### 2.2.1 Simulation number 9

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
f8630968	500	25	Generate_BlockDiagonal	27121996	25	0.0625	8,4,8,5



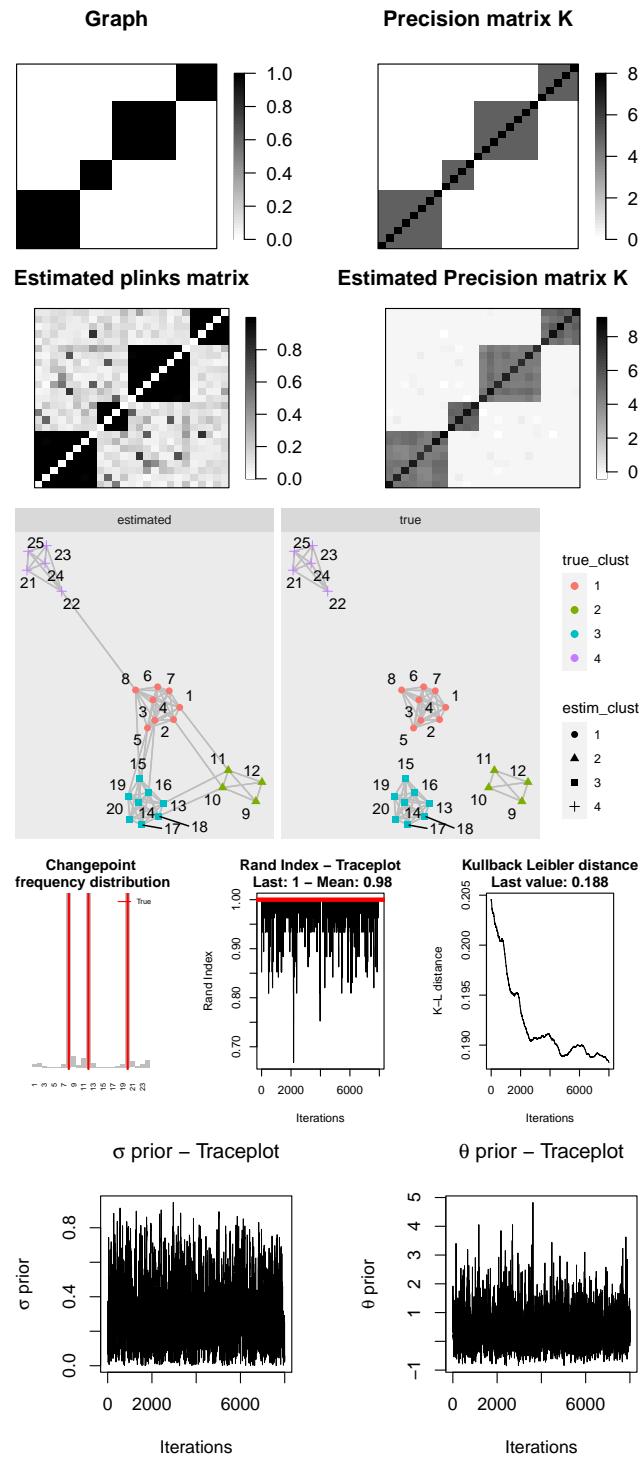
## 2.2.2 Simulation number 10

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
3a694cea	500	25	Generate_BlockDiagonal	27121996	25	0.0777778	8,4,8,5



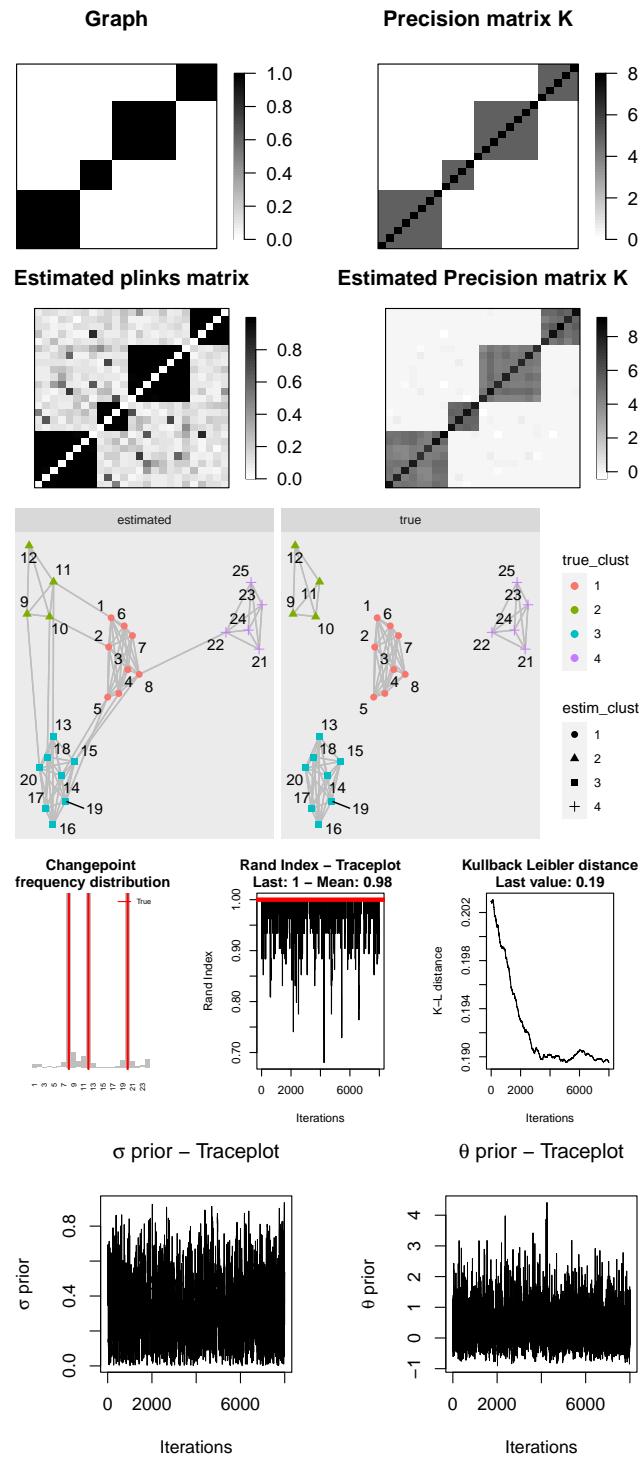
### 2.2.3 Simulation number 11

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
f90e1aec	500	25	Generate_BlockDiagonal	27121996	25	0.0930556	8,4,8,5



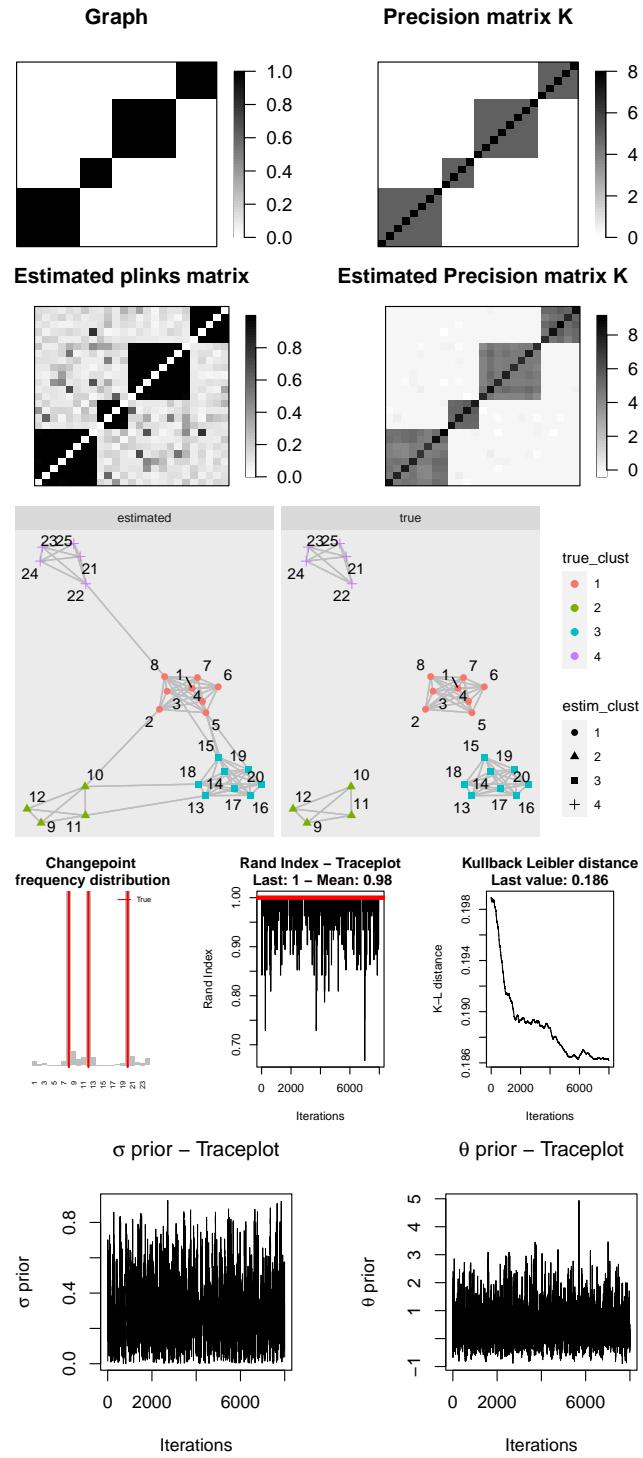
## 2.2.4 Simulation number 12

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
4889d3e2	500	25	Generate_BlockDiagonal	27121996	25	0.1083333	8,4,8,5



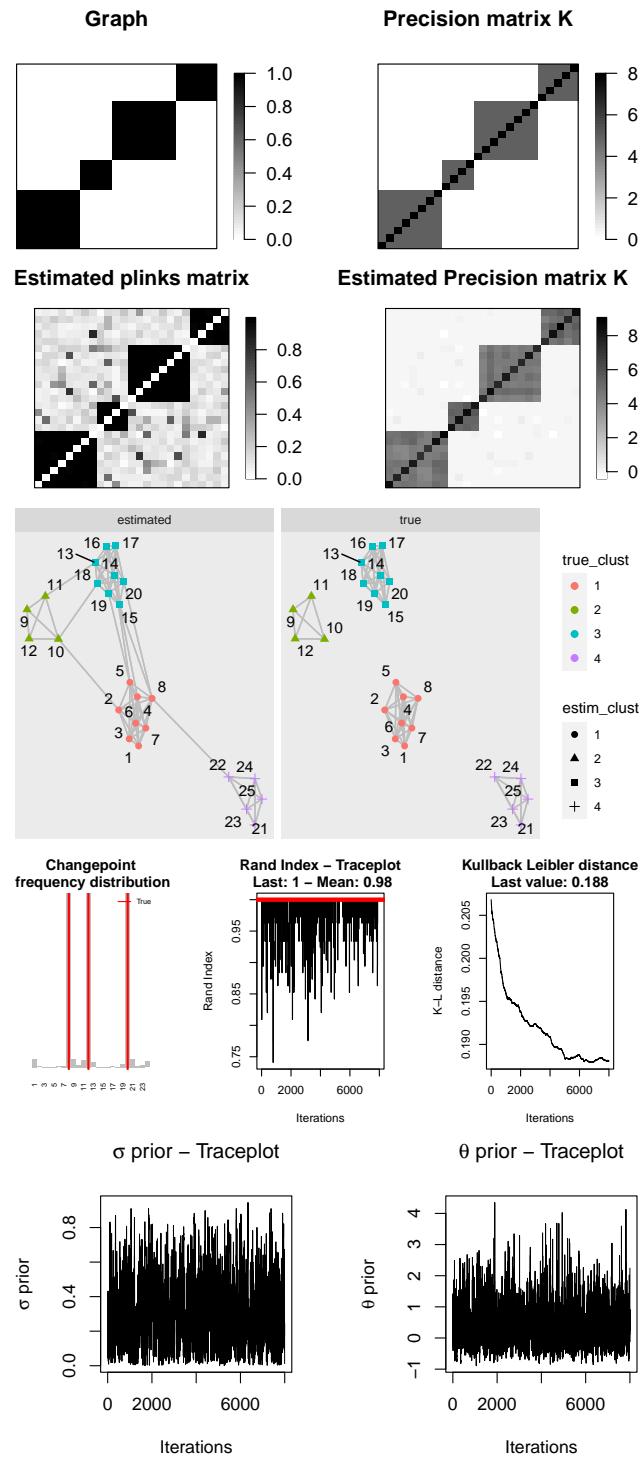
### 2.2.5 Simulation number 13

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
4b831db5	500	25	Generate_BlockDiagonal	27121996	25	0.1236111	8,4,8,5



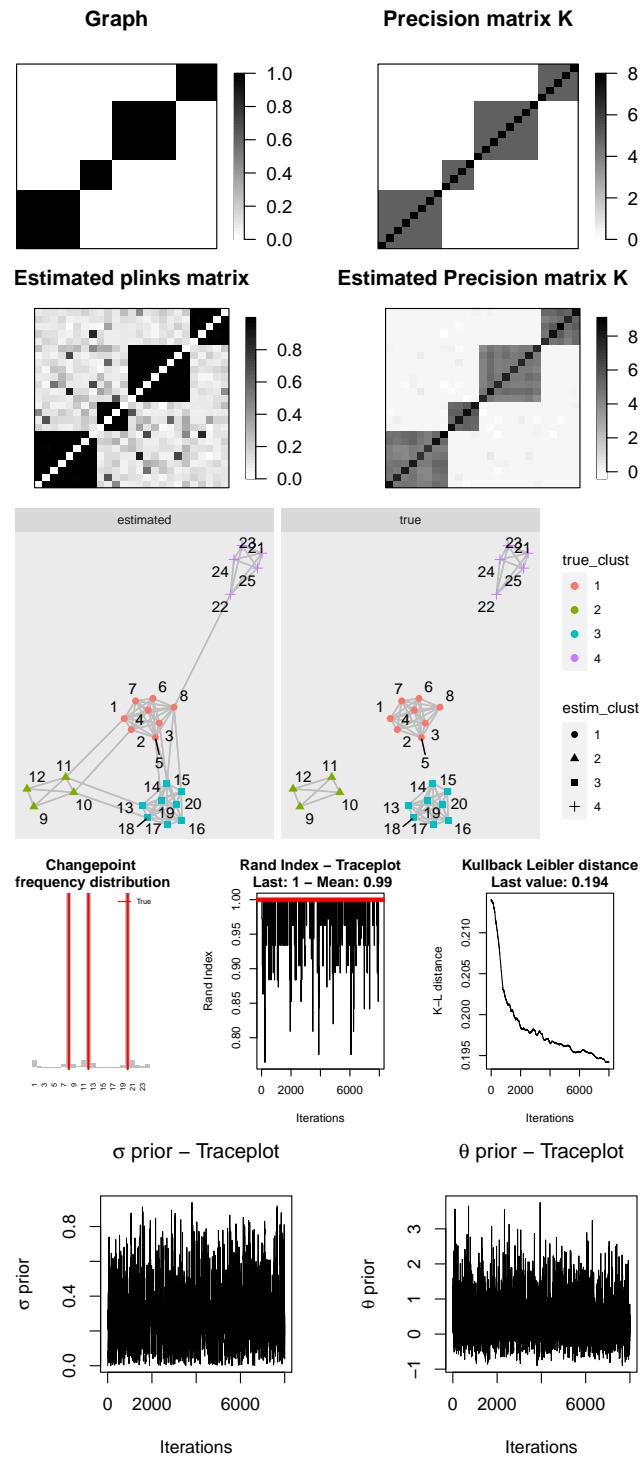
## 2.2.6 Simulation number 14

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
46c55514	500	25	Generate_BlockDiagonal	27121996	25	0.1388889	8,4,8,5



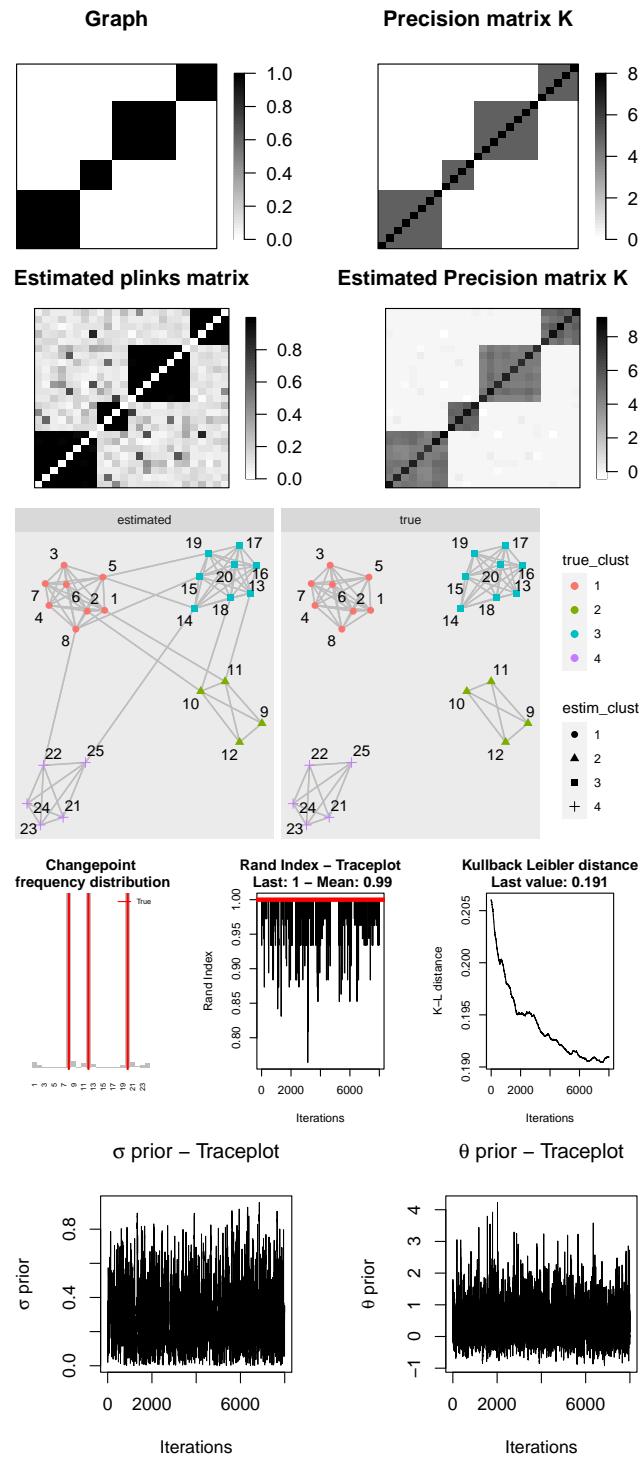
### 2.2.7 Simulation number 15

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
71db4f64	500	25	Generate_BlockDiagonal	27121996	25	0.1541667	8,4,8,5



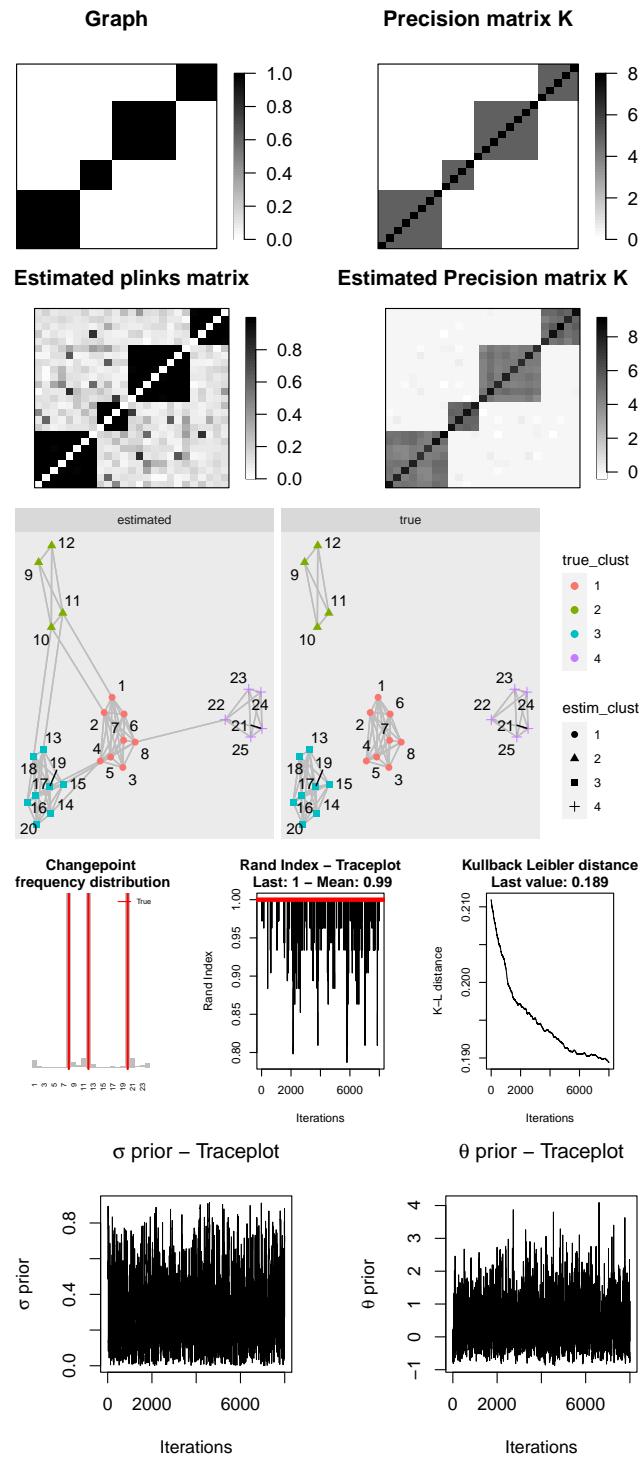
## 2.2.8 Simulation number 16

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
9092fabf	500	25	Generate_BlockDiagonal	27121996	25	0.1694444	8,4,8,5



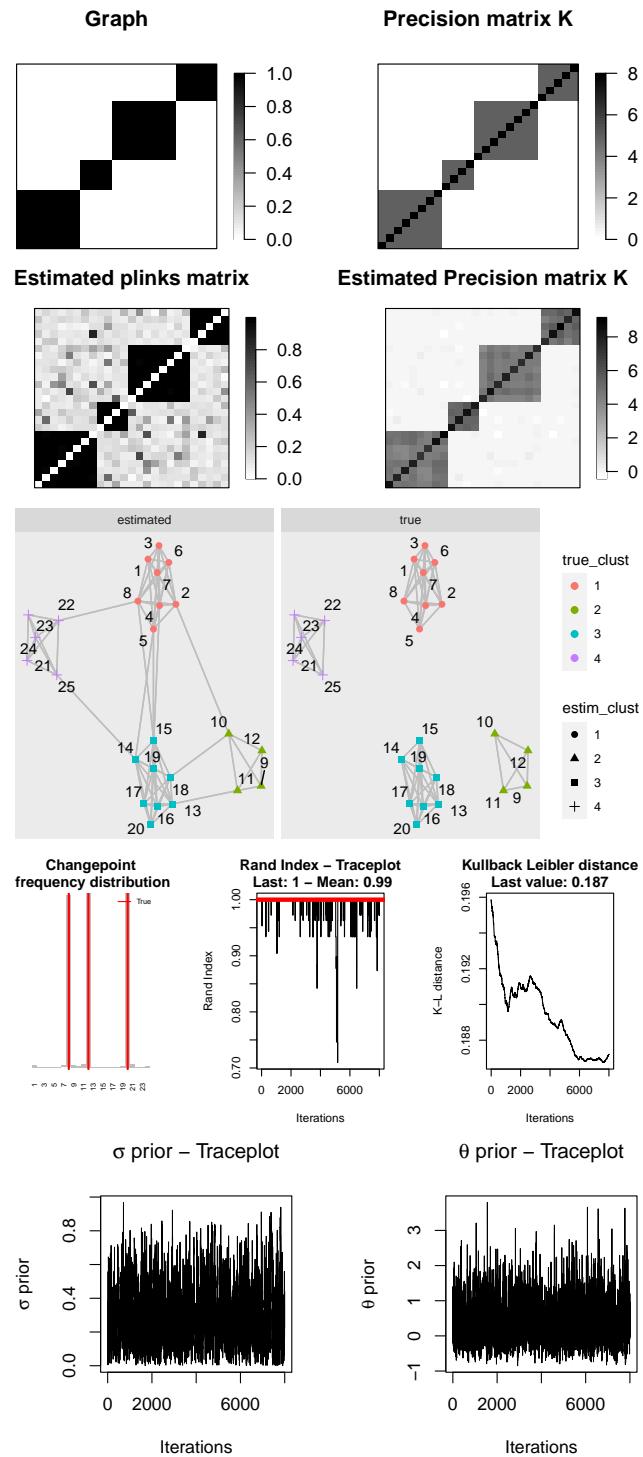
## 2.2.9 Simulation number 17

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
e1d4b831	500	25	Generate_BlockDiagonal	27121996	25	0.1847222	8,4,8,5



### 2.2.10 Simulation number 18

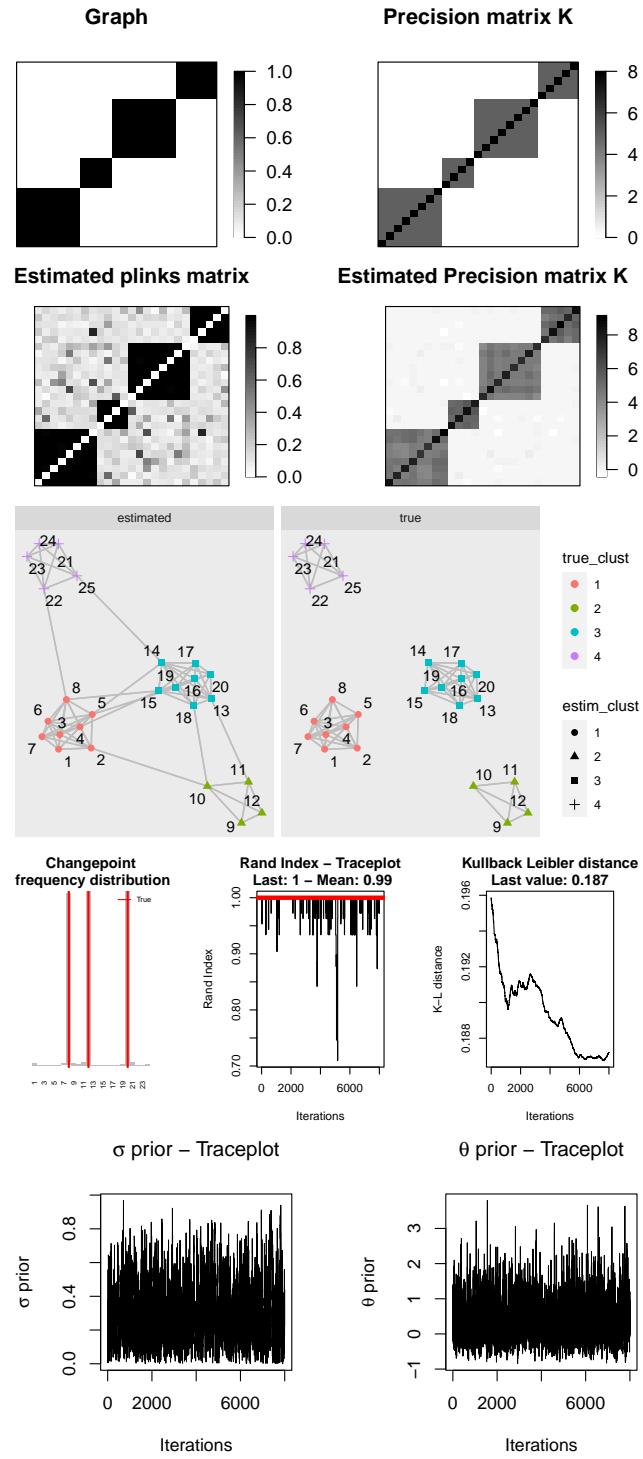
simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
1016c809	500	25	Generate_BlockDiagonal	27121996	25	0.2	8,4,8,5



## 2.3 Group 3

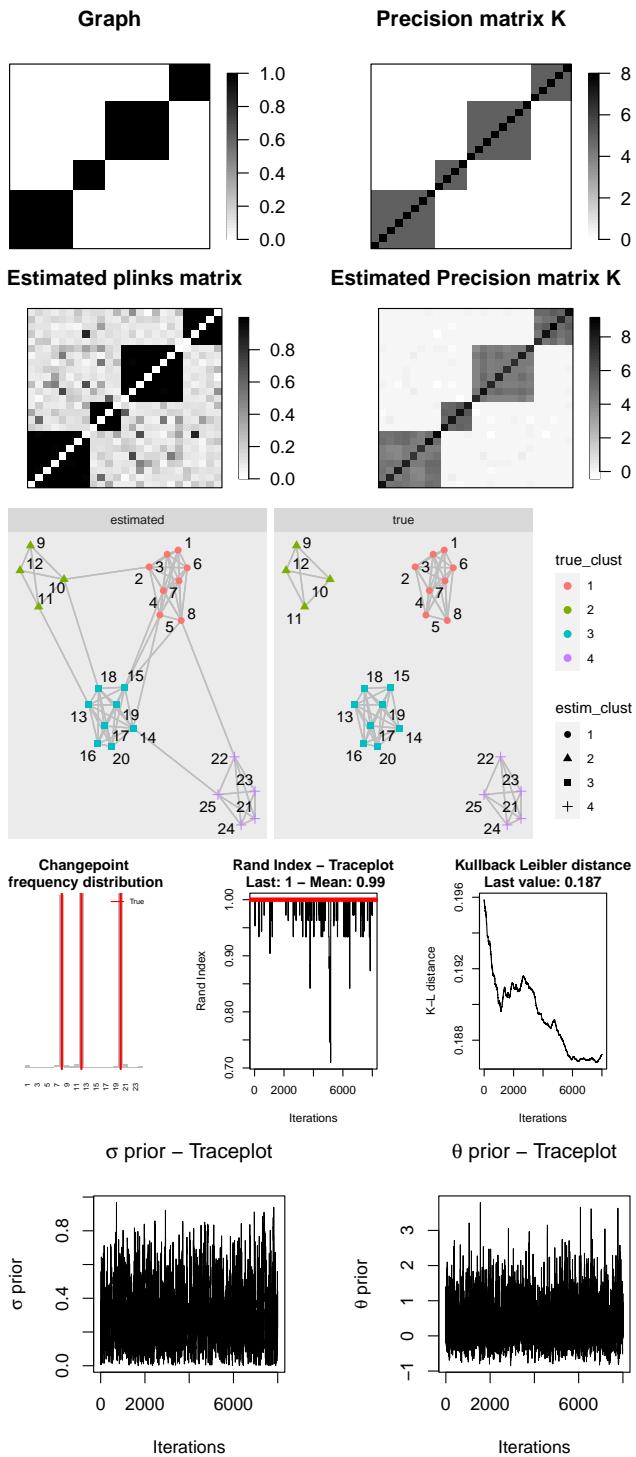
### 2.3.1 Simulation number 19

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
c6689c28	500	25	Generate_BlockDiagonal	27121996	25	0.2	8,4,8,5



### 2.3.2 Simulation number 20

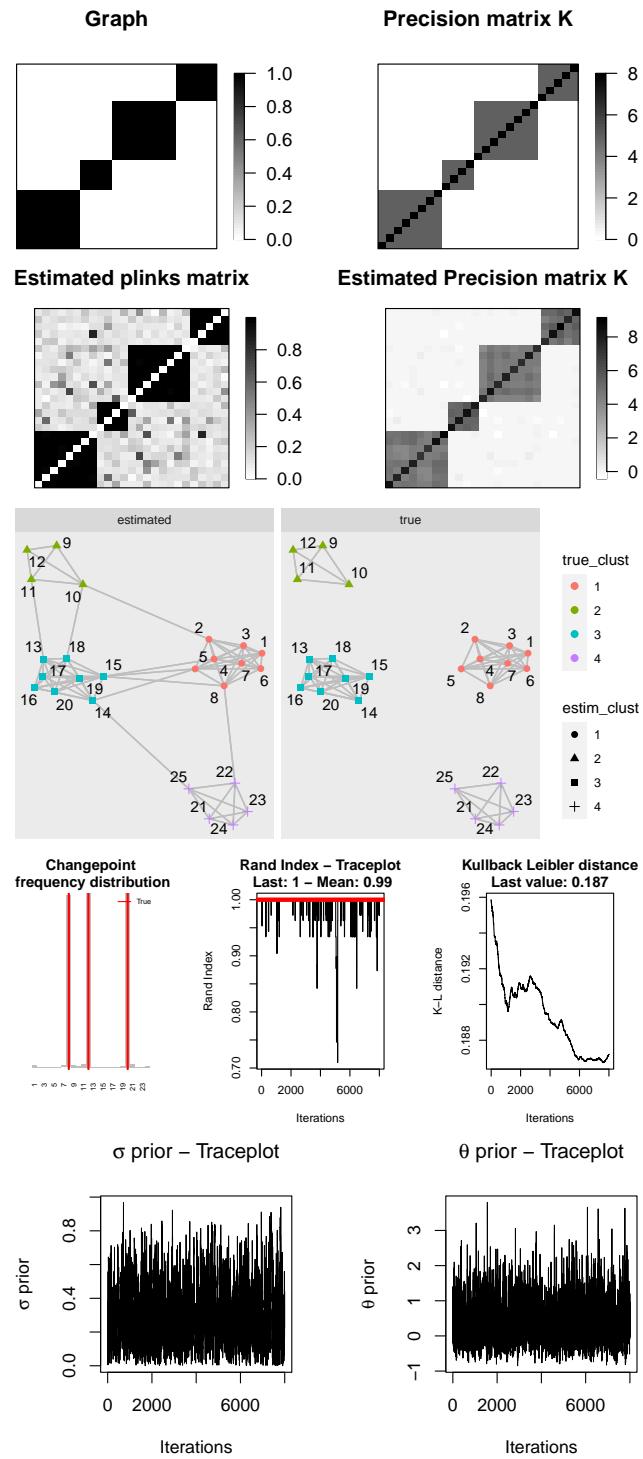
simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	b
c2b17c1c	500	25	Generate_BlockDiagonal	27121996	1,1	



## 2.4 Group 4

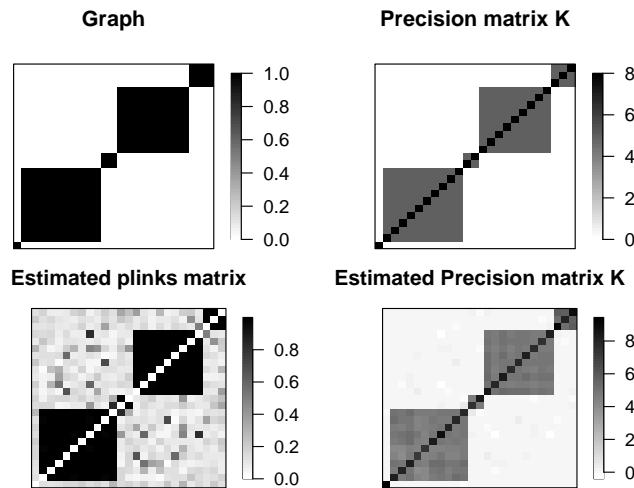
### 2.4.1 Simulation number 21

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
7d670094	500	25	Generate_BlockDiagonal	27121996	25	0.2	8,4,8,5

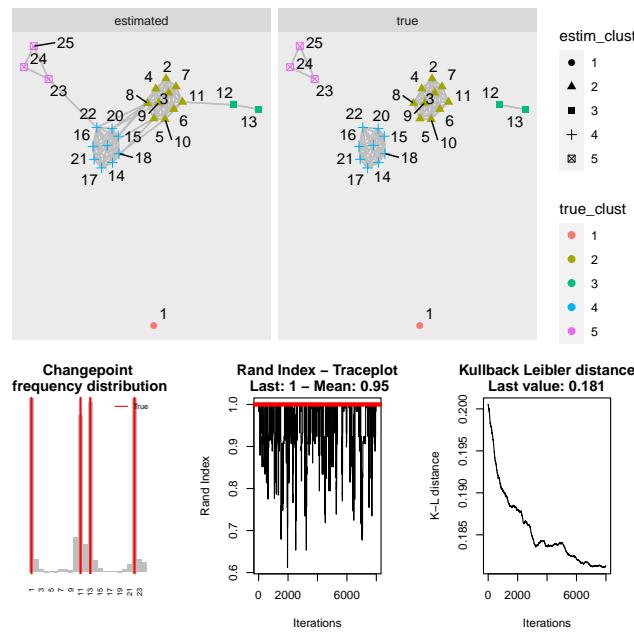


#### 2.4.2 Simulation number 22

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
24803d61	500	25	Generate_BlockDiagonal	27121996	12,13	0.2	1,10,2,9,3



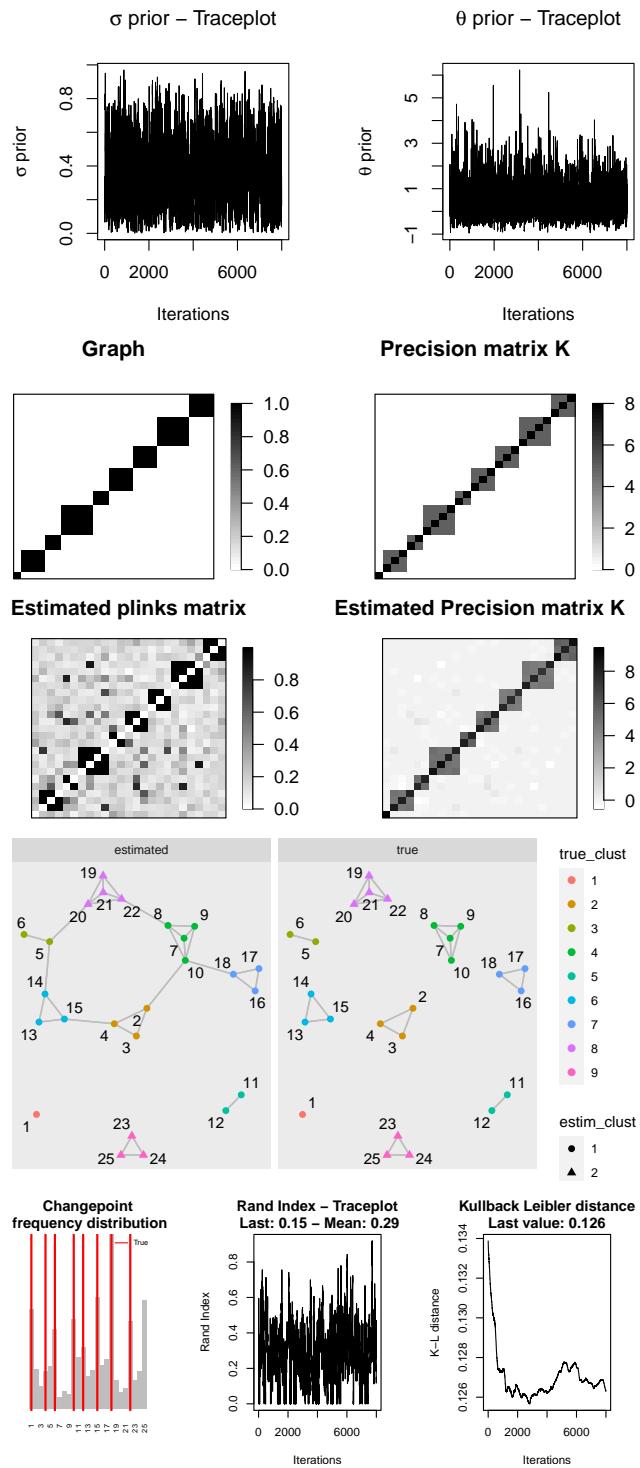
```
## Warning: ggrepel: 1 unlabeled data points (too many overlaps). Consider increasing max.overlaps
## ggrepel: 1 unlabeled data points (too many overlaps). Consider increasing max.overlaps
```

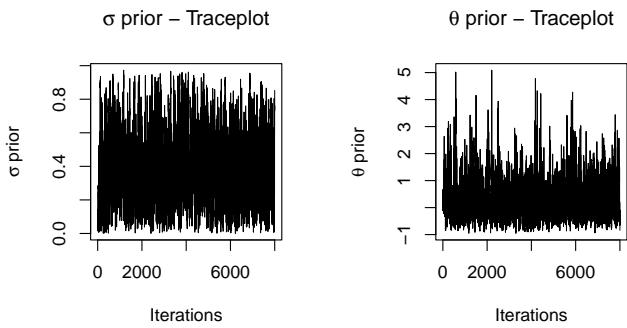


### 2.4.3 Simulation number 23

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
d4c95ba6	500	25	Generate_BlockDiagonal	27121996	8,8,9	0.02	1,3,2,4,2,3,3,4,3

```
## Warning in (function (... , deparse.level = 1) : number of columns of result is
## not a multiple of vector length (arg 1)
```





#### 2.4.4 Simulation number 24

simulation_id	n	p	type_data_gen	seed_data_gen	initial_partition	beta_sig2	rho_true
491978b5	500	25	Generate_BlockDiagonal	27121996	6,6,6,7	0.2	12,13

