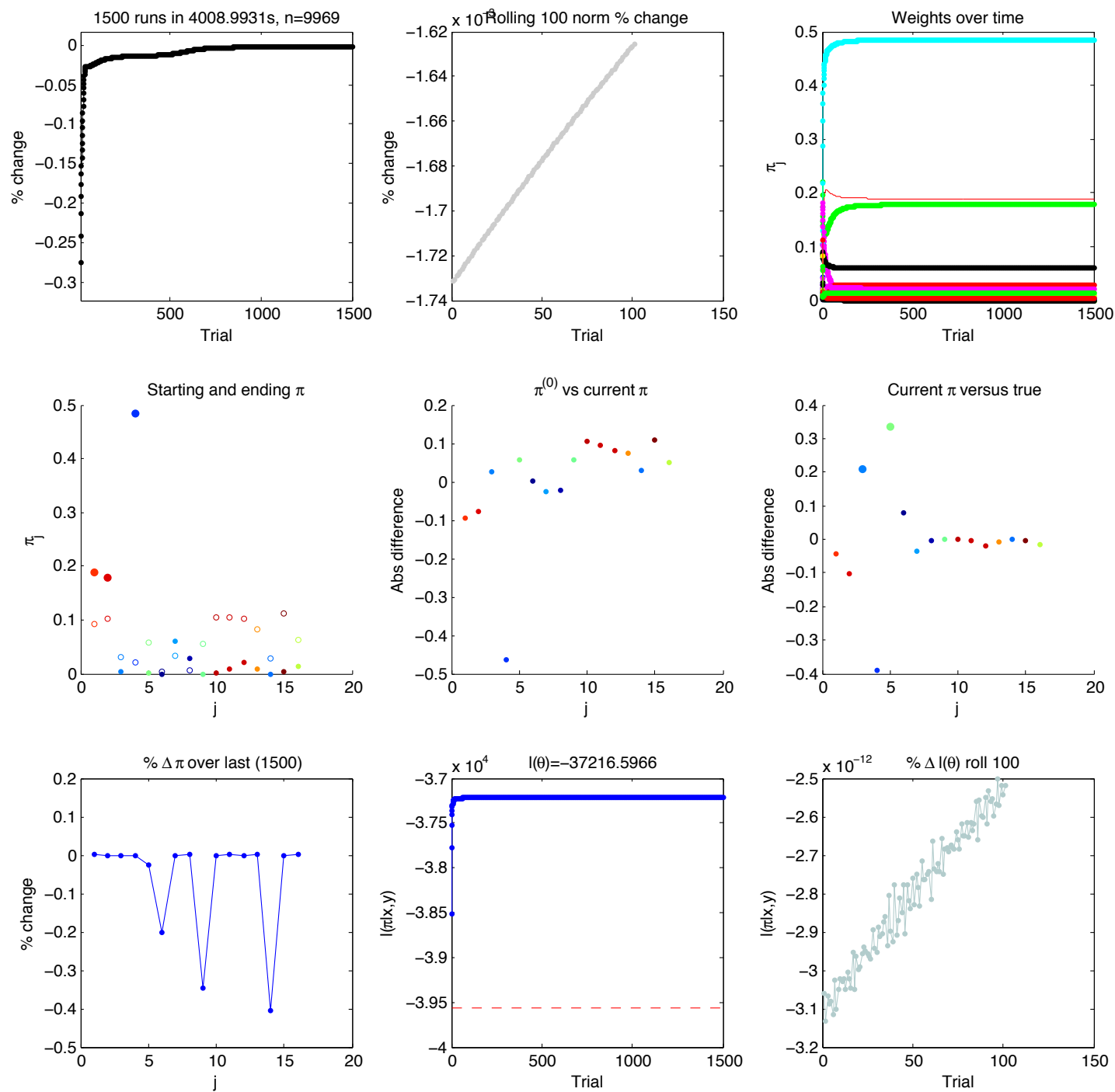


88%	2%
7%	4%

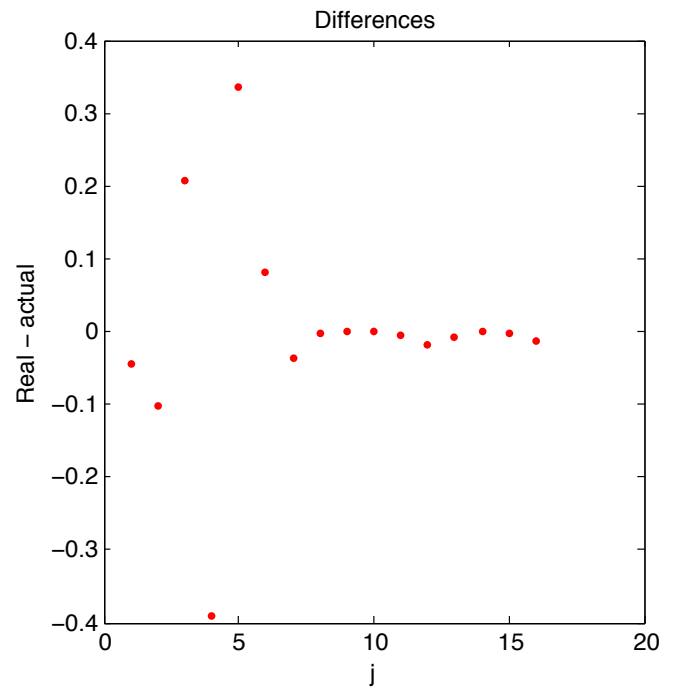
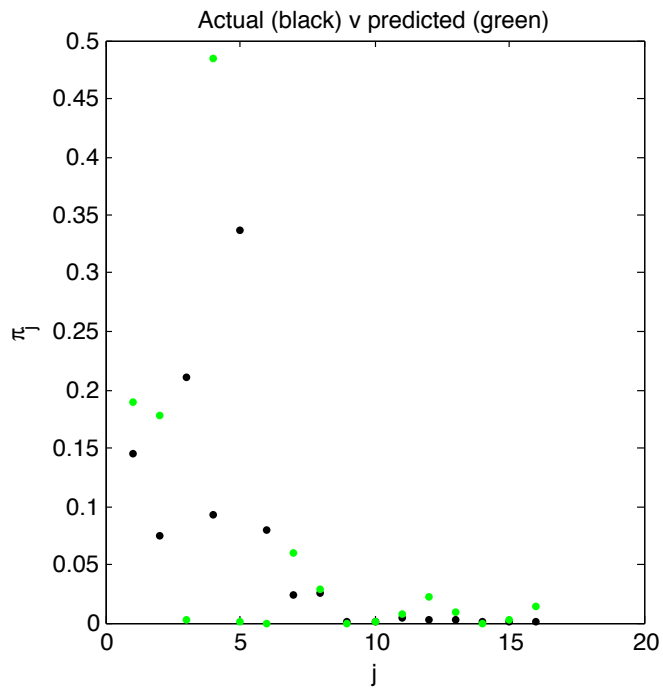
$$l(\theta) := \log L(\theta) = \sum_{i=1}^n \log \left( \sum_{j=1}^m \pi_j f_{a_j, b_j}(x_i, y_i) \right)$$

	True	EM 10k
Observed 2 $l(\theta)$	-39568	-37217

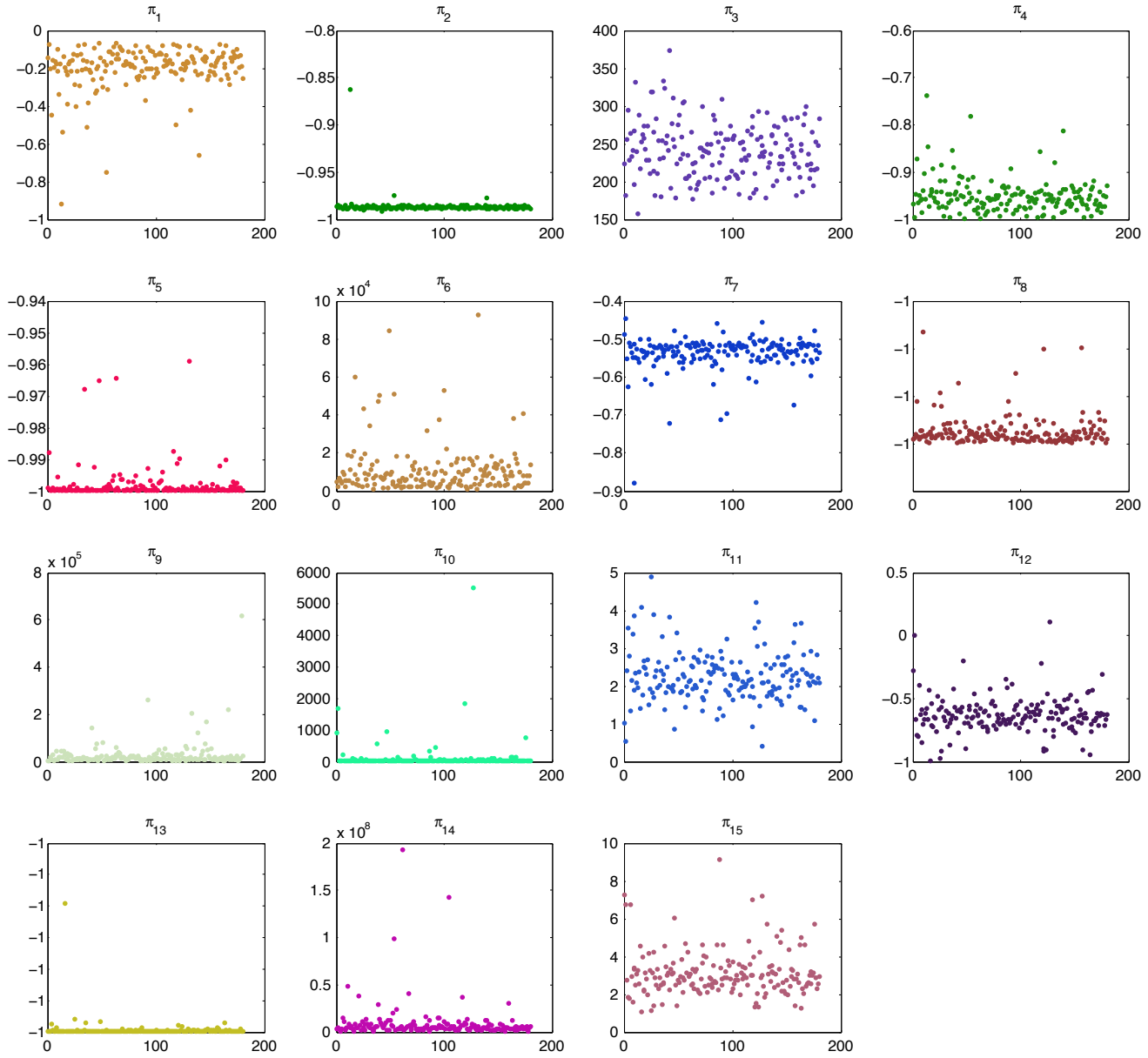
# Model 3 EM 10k (1500 iterations)



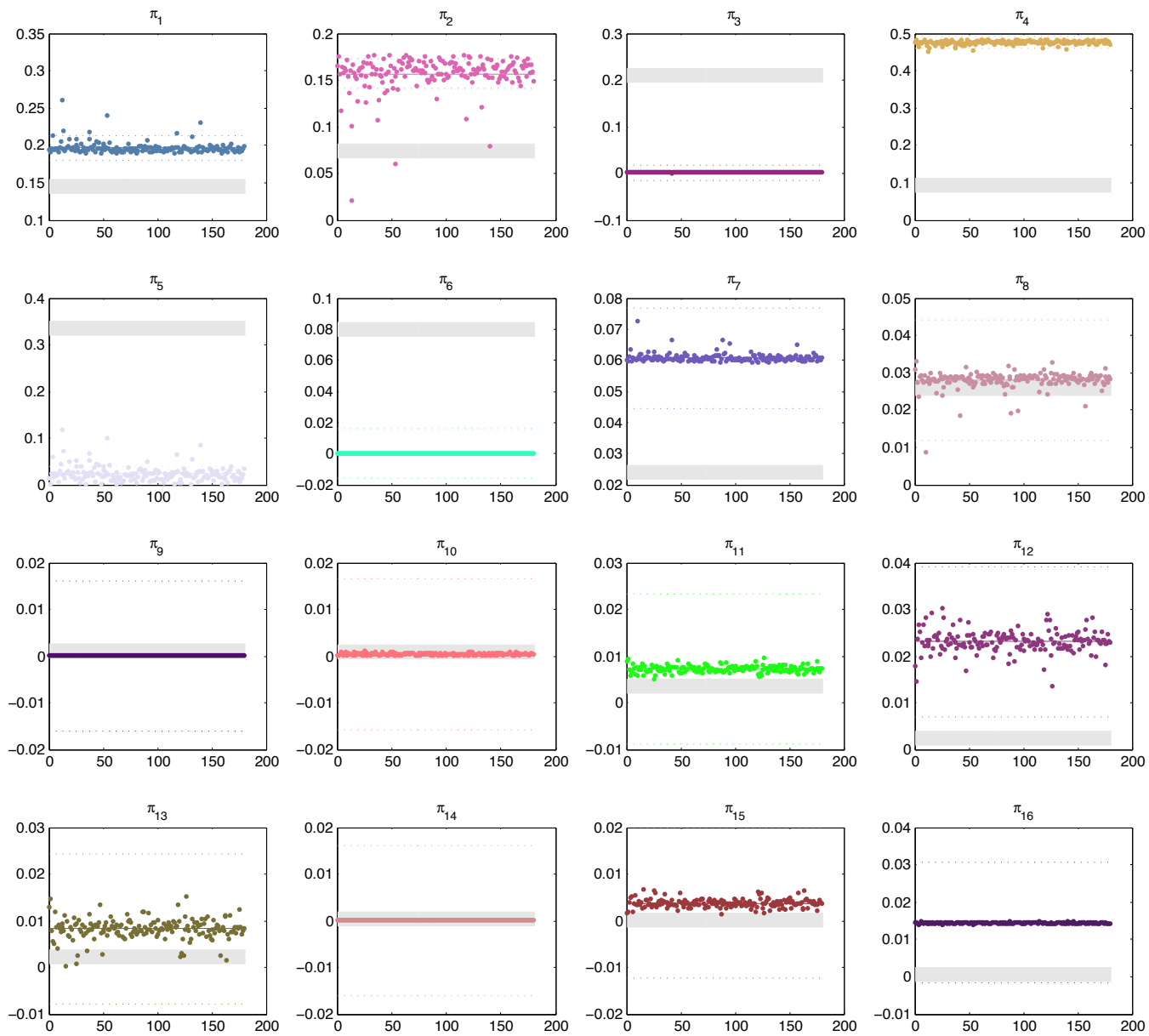
## Model 3 EM pi v true pi (1500 iterations)



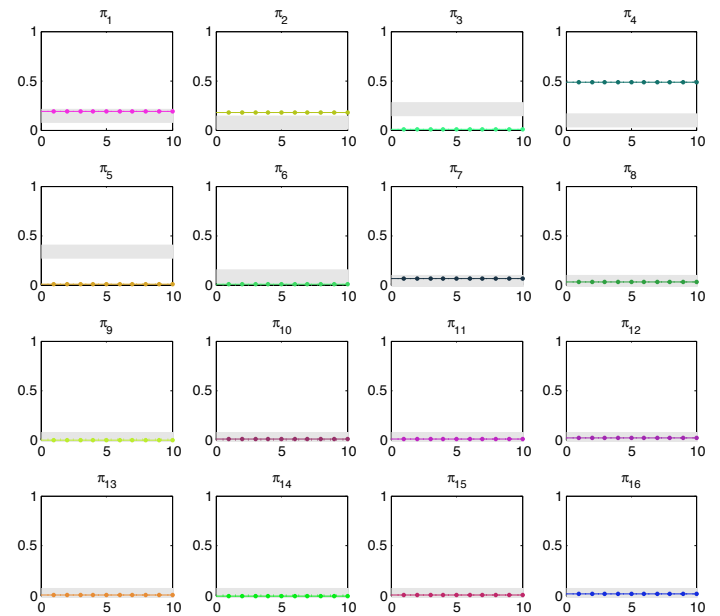
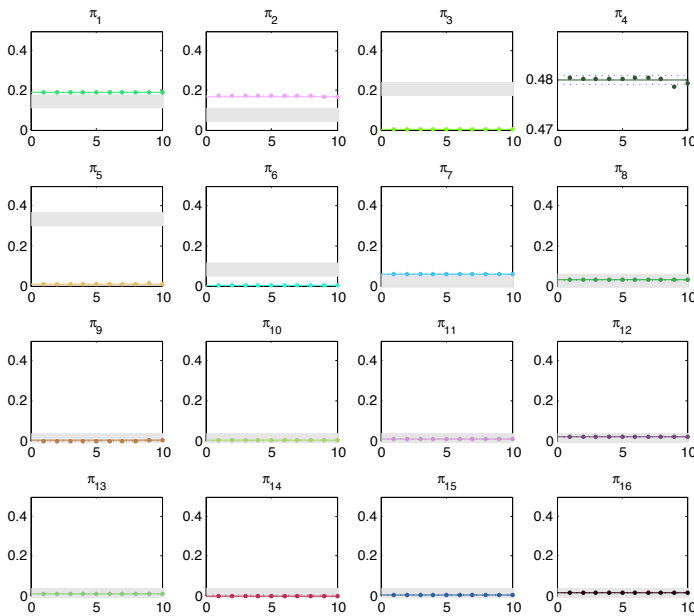
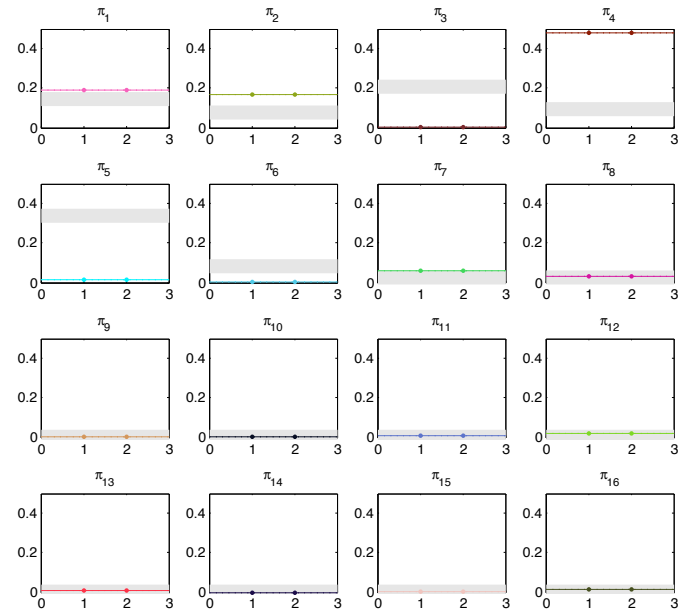
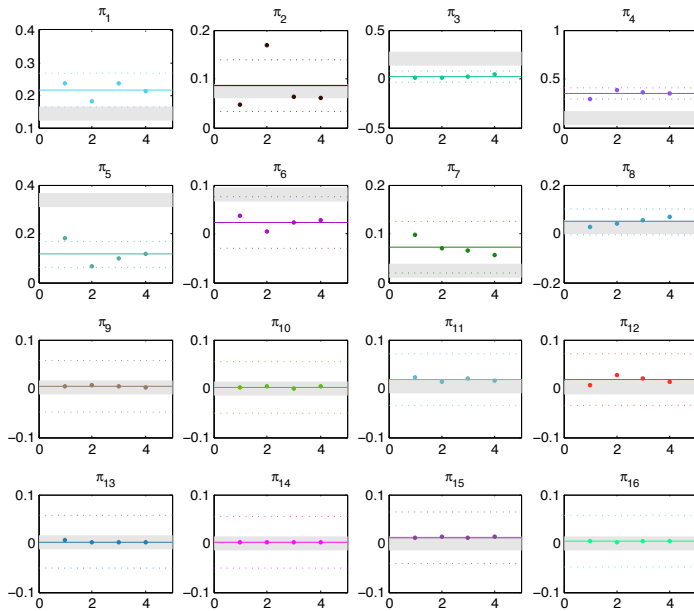
# Model 3 Weight % change from 180 EM runs with random initialization (60 iterations)



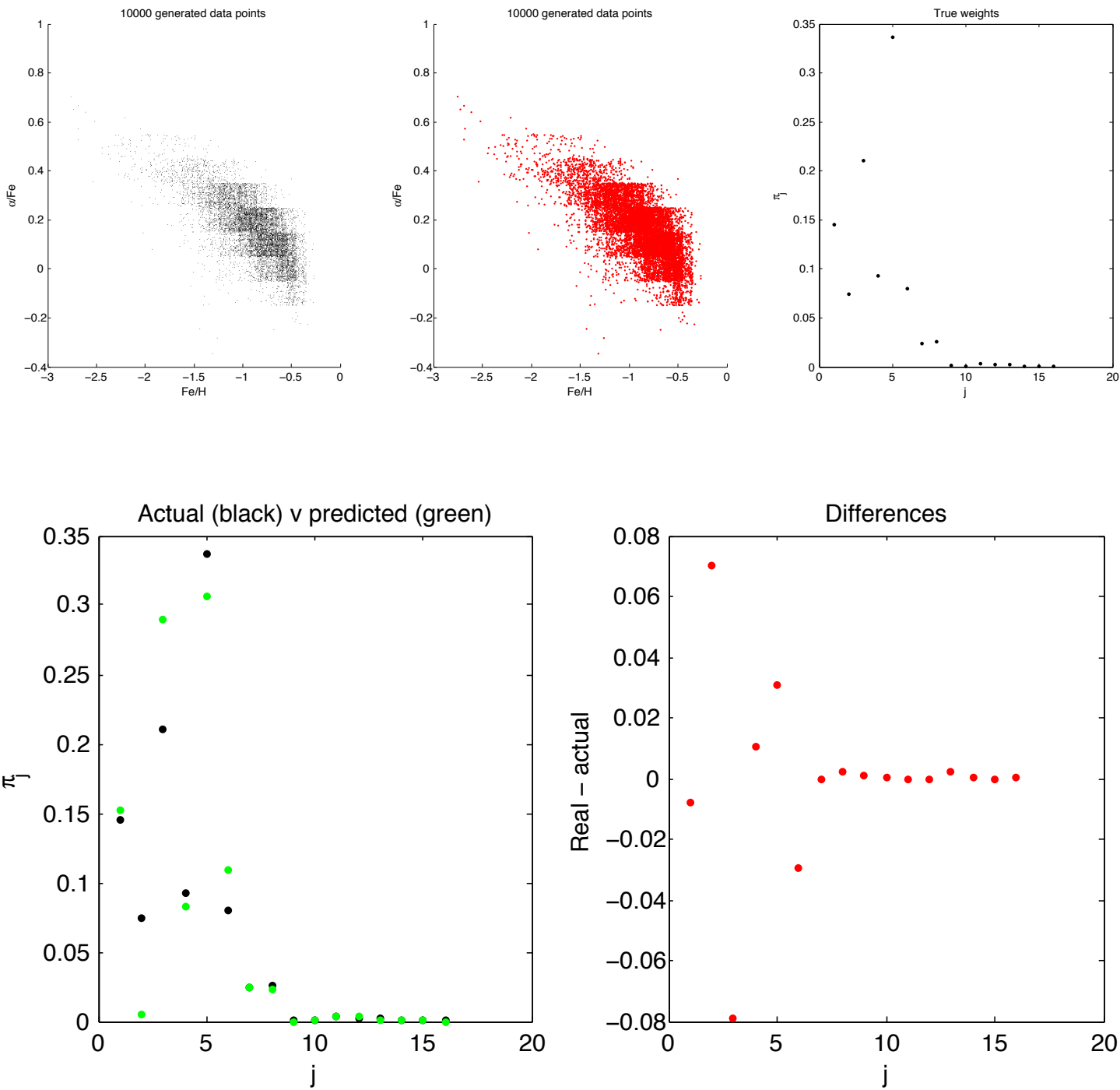
## Model 3 Weights from 180 EM runs with random initialization (60 iterations)



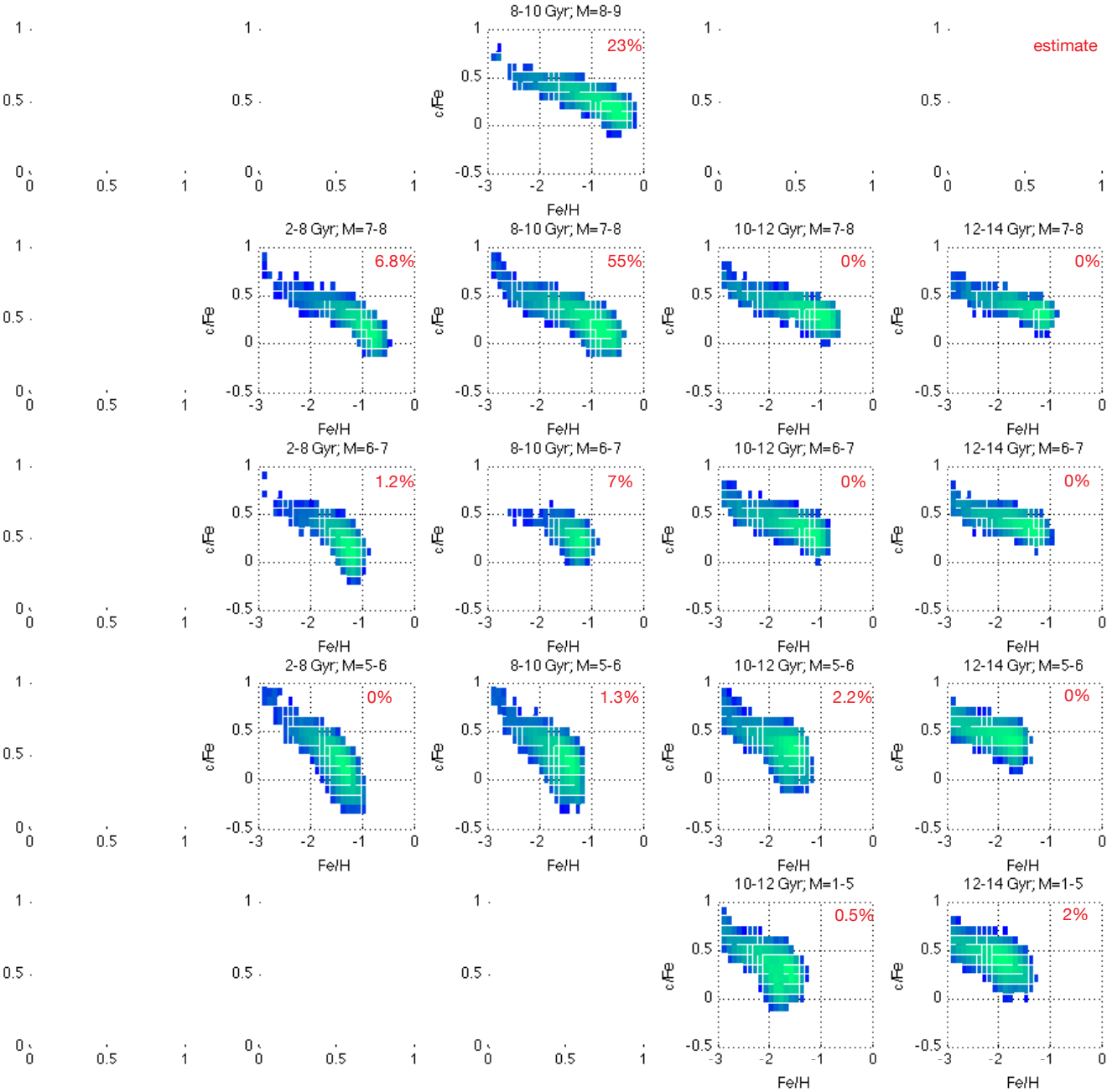
# Model 3 Est. weights using init weights of true weights +/- [0,3,10,30]%



# Generated EM using true weights



# Model 5



49%	39%
4%	5%



# Model 5 EM

