

Model, Storable, Cloneable

**abstract**  
AbstractModel

nested enumeration types:  
Algorithm: EM vs. Gibbs Sampling,  
Parametrization: Theta vs. Lambda

**abstract**  
AbstractMixtureModel

MotifDiscoverer

MixtureModel

StrandModel

**abstract**  
HiddenMotifMixture

„real“ mixtures:  
any number of components,  
any kind of models for the  
components

strand mixture:  
two components representing  
forward and backward strand  
of a sequence, e.g. DNA

de-novo motif discovery:  
handles foreground (motif)  
and background models

SharedStructureMixture

components base upon directed acyclic  
graphical models with fixed structure  
(FSDAGModel), handles a mixture of  
models that share a common structure

SingleHiddenMotifMixture

two components representing  
foreground (motif model) and  
background (model for flanking  
sequences or sequences without binding  
site)