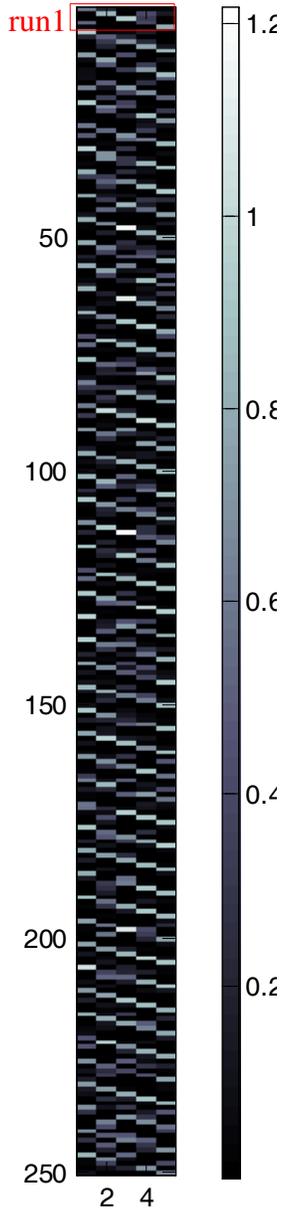


**Sample correspondence matrix  $\alpha_{(ic)k}$**

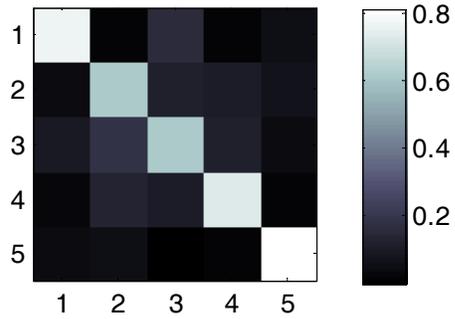
i = run

c = cluster

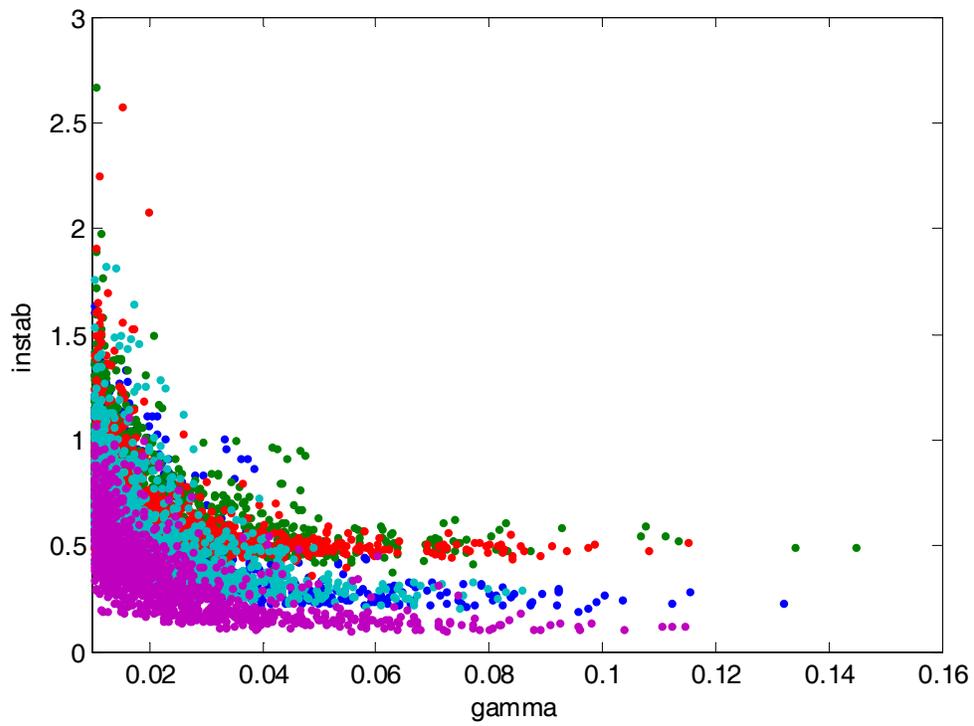
k = consensus cluster (meta-cluster)



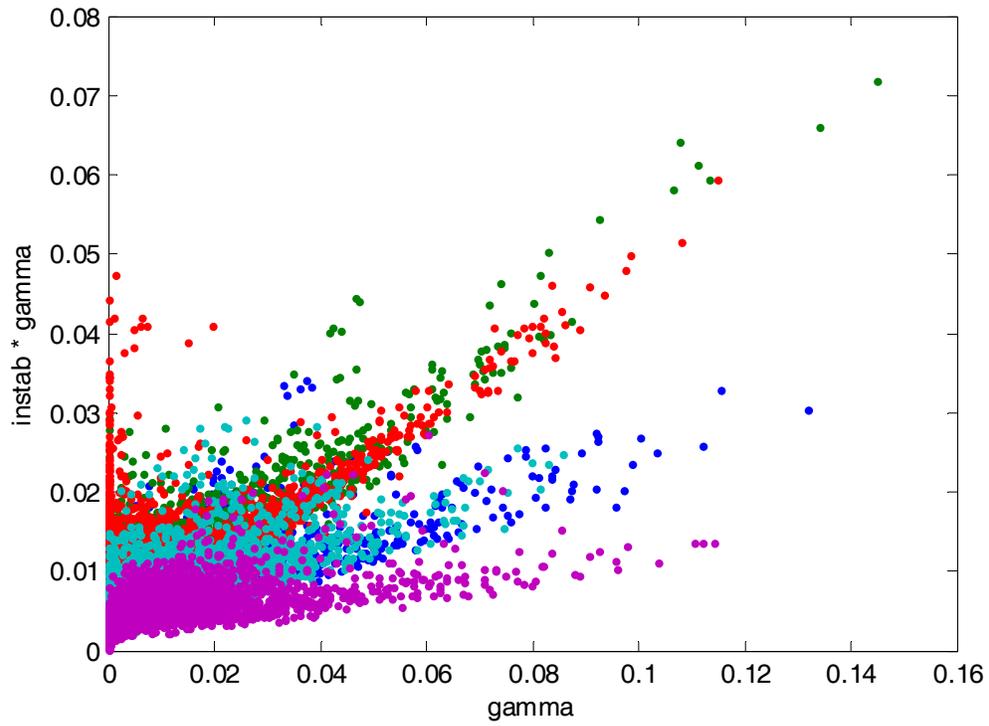
Consolidated consensus matrix  $\tilde{\alpha}_{ck} = \frac{\sum_i \alpha_{(ic)k}}{r}$



Scatterplot of instability measure for elements of  $S > 0.01$

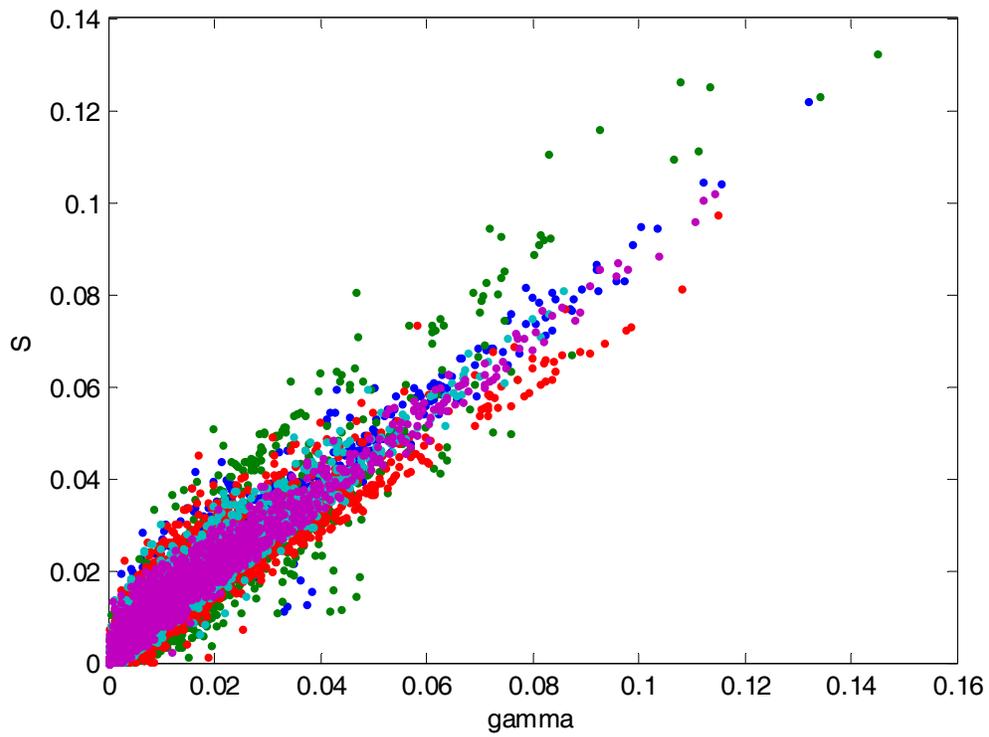


cluster 1=blue, 2=green, 3=red, 4=cyan, 5=magenta (normal)



cluster 1=blue, 2=green, 3=red, 4=cyan, 5=magenta (normal)

**Scattergram of S after final NMF<sub>i</sub> versus consensus (gamma)**



**Top 20 genes (w.r.t.  $S$  coefficients) for each cluster**  
 (we show a fragment of  $S^T$ )

