

**(a)**

Malizia et al



Down-regulated  
with TGF $\beta$

Up-regulated  
with TGF $\beta$

**(c)**

Down-regulated with regional emphysema severity

Golpon et al

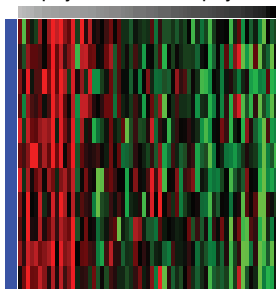


Down-regulated  
with emphysema

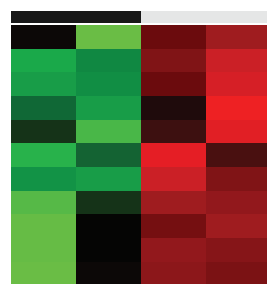
Up-regulated  
with emphysema

**(b)**

No Emphysema → Severe Emphysema



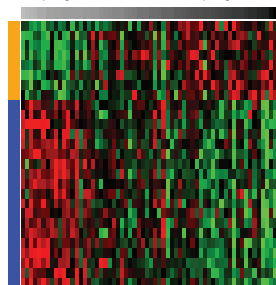
Control TGF $\beta$  Treated



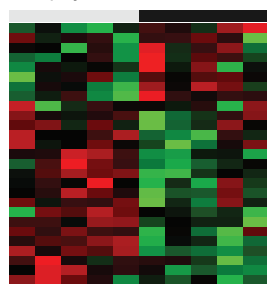
Malizia et al

**(d)**

No Emphysema → Severe Emphysema



No Emphysema Emphysema



Golpon et al