HUMAN BREAST CANCER

Increased STAT5

Correlated With:
- Increased Differentiation
- Better Response to Endocrine Therapy

Decreased STAT5

Correlated With:
- Poor Clinical Outcome
- Worse Response to Endocrine Therapy

Cancer Cell Line Behavior
- BT-20 Mesenchymal to epithelial transition
- T47D Mesenchymal to epithelial transition
  - MCF-7 inhibits motility
  - T47D inhibits mobility
  - SKBR3 enhanced survival
  - MCF-7 enhanced survival
  - T47D enhanced survival
- T47D increased tamoxifen resistance
- SKBR3 decreased response to trastuzumab
- MDA-MB-468 impaired differentiation
- SKBR3 growth inhibition
- MDA-MB-231 growth inhibition
- T47D increased invasiveness
- MDA-MB-231 inhibits migration
- BT-549 inhibits migration

Downstream Targets
- Reduced BCL6
- Reduced AP-1 signaling
- Increased HSP90A
- Increased IGF
- Increased Cyclin D1

Downstream Targets
- Increased BCL6
- Increased AP-1 signaling