PROLACTIN SIGNALING PATHWAY PI3K-Akt signaling pathway (Ovary) ► Ovarian defect K09408 PIP3 DNA (Mammary epithelial cells) MAPK signaling pathway Proliferation PIP3 K04701 K04694.. Negative feedback K11220... K05439 K05081 **►**O-DNA K05473 Jak_STAT signaling pathway (Mammary epithelial cells) K05147 ► Proliferation K17106 K17101 Secretion into the alveolar lumen K17107 Milk proteins (Corpus luteum) (Corpus luteum) Ovarian steroidogenesis K08522... K04248 K00512 (T and B lymphocytes, macrophages, fibroblasts) Estrogen signaling pathway Immune responses (Tuberoinfundibular neurons) (Tuberoinfundibular neurons) Dopaminergic synapse Tyrosine Dopamine L-Dopa (Pancreatic β-cells) K05081 (Pancreatic β-cells) K12407 - 🕶 Proliferation Glucose-6-P Glucose K04526 Insulin secretion 04917 9/28/15 (c) Kanehisa Laboratories