TGF-BETA SIGNALING PATHWAY K04657 K10162 K04658 Osteoblast differentiation, neurogenesis, ventral mesoderm specification +p K04673.. K04662.. K04671.. DNA DNA K04501 Ras/ MAPK K04371 Growth factor K04687 Angiogenesis, extracellular matrix Transcription factors, co-activators, and co-repressors K03156 K03868 neogenesis, immunosuppression, apoptosis induction K03347 K04678 K03094 K10162 K19559 Apoptosis 丄 K04674 K04500 0-K13375... K04388 K04683 DNA K04660 K04679 K04501 l+u K04685 G1 arrest +u K04684 Ubiquitin mediated proteolysis DNA K19383... Cell Cycle TAK1, MEKK1 DAXX/JNK MAPK signaling pathway K04668 K10162 工 Gonadal growth, embryo differentiation, placenta formation, etc **+**р K04500 K04670... DNA K04677. K04501 **+**р Left-right axis determination Mesoderm and endoderm induction, etc K04500 K04666 K04670... DNA K04501 04350 10/16/15 (c) Kanehisa Laboratories