BASAL CELL CARCINOMA Cutaneous keratinocyte Normal keratinocyte p53 signaling pathway Cell cycle Genetic alterations SHH, SMO Oncogenes: Genomic instability Impaired G1 cycle arrest Reduced apoptosis DNA_damage Tumor suppressors: p53, PTCH1 DNA K06225 TGF signaling pahway Microtubule K04662 K06231 Cholesterol K06226 K06227 K16797... K16797 Proliferation K06228 K06229 DNA Hedgehog signaling pathway K06225.. K02157... K02085 K02235... K03083 K02105 Proliferation Invasion K02353 K02620... 🟲 Target genes — — – +p DNA Wnt signaling pathway Basal cell carinoma 05217 2/7/13 (c) Kanehisa Laboratories