MELANOGENESIS Melanocyte K04632 K05228 K04199 K08725 DNA K04345 cAMP K04498 Wnt signaling pathway K09455 K02235... K04534.. K02353 K02620... DNA MAPK signaling pathway K09455 K02833.. K05461 Melanoma +p K00505 ER K00506 DNA K01827 IP3 K04198 K16366 K02677... DG Melamin synthesis РКС-β K01827 Δ Transfer to keratinocytes Tyrosine Melanin Tyrosine metabolism **(>O** Melanosome 04916 10/23/15 (c) Kanehisa Laboratories