MELANOGENESIS Melanocyte K05228 K04199 K04632 K08725 DNA K08041.. K04345 cAMP K04498 Wnt signaling pathway K09455 K04534... K02620.. K00182... K02235... K03083 K02105 DNA MAPK signaling pathway K09455 K05461 K05091 K02833.. K04371 Melanoma +p K00505 ER K00506 DNA K01827 K02183 K04515 ٢ IP3 K04198 K04534.. K16366 K05858 K04345 K02677... DG Melamin synthesis РКС-β K00506 K01827 Δ Transfer to keratinocytes Tyrosine Melanin Tyrosine metabolism **(>O** Melanosome 04916 10/23/15 (c) Kanehisa Laboratories