HERPES SIMPLEX INFECTION K12499 K05477 K06081... K19434... K05405 —————— T cell activation K19264 Heparan sulfate K05406... K19255 K07210 Herpes simplex virus-1 Herpes simplex virus-2 K19256 K05433 (Ubiquitin-mediated proteolysis Viral entry K07293 SCF complex -u K05414 K04403... Lytic infection DNA K14217 K10159 K04729 Spliceosome K19436 K10161 Toll-like receptor signaling pathway K03994 K11674 Inhibited host mRNA splicing K05842 C3b iC3b K05411... K19442 K19443 RIG-I-like receptor signaling pathway C3c Complement cascade K19441 K19436 K07211 K05410 Blocked complement-mediated neutralization K19437 RNA: ND10 K19439 K19440 🕨 V iral protein synthesis 🐣 K10054 K15413 K04451 →Q Parental viral DNA 2'-5' oligo (A) Oct-1 K19445 Viral gene expression K11299 miR-H61 ► Inhibited MHC-II presentation K06752 MIIC Antigen processing Cytosolic antigen K19443 HSV mRNA K19446 K05653... K19440 K06751 Jak-STAT pathway K14284 +р к11220... ER K05130... K11217... +p ► K11220 K05132... K11217... K04687 Spliceosome ORFO ORFP K19443 K02187 K04389 K19437 miR-H2-3p K04398 Apoptosis Circadian rhythm K03156 K19436 K02296 K02223 DNA 05168 7/8/15 (c) Kanehisa Laboratories