MAPK SIGNALING PATHWAY MAPKKK MAPK MAPKK K11241... K11237 K12412 K11239 Scaffold GDP - GTP GDP--GTP K11234 K11213 Fus3 K11215 Pheromone Gpa1 Mating K04627 K11235 K04536 Cell cycle arrest K11236 K06652 Cell cycle K07973 Polarity 🟲 K11240 GDP - GTP Cell wall remodeling K11245 K02677 Hypotonic shock Rlm1 K09291 K06649.. Fks1 K11246 K12412 Osmolyte synthesis K11230 K11231 K11227 High osmolarity K11241.. Ras2 K09448 K11215 K11246 Starvation Filamentation 04011 10/7/15 (c) Kanehisa Laboratories