DOPAMINERGIC SYNAPSE DOPAC °©°2 ◀ HV A Glial cell NOT \_\_\_\_\_ 3-MT K05036 DA autoreceptor K04145 Neuron (Presynap tic terminal) Neuron (Postsynap tic cell) Calcium signaling pathway K04958... K04515 ്**റ്റ**² L-tyrosine K15493 K02183 <sub>Ca</sub>⁴**ò**≥ 0 K04348 DA<sub>O</sub> K00501 Synaptic plasticity K04144 K04634 K05858 • K02677... . K04344... Сβу DAG Tyrosine metabolism Exocytosis cAMPK05870... K05840 K04632... K08045 K04345 . Synaptic vesicle cycle K04441... K04379 L-Dopa 0 0 DAM · 0 K06269 K15494 0 Downstream K04833 +p gene regulation -p -p Endocytosis K04850... Parkinson's \Ca**o**\_\_\_ (Increased / decreased)
Neuronal
excitability disease K04344... K05209... Glutamatergic synapse K04145 Action potential K04997.. +p K05197... Synaptic plasticity K10396 3-MT K04146... K04630... ಾ K05036 0 ୍ତଃ HVA K02223 DA DA βAnII K04145 K02296 K04382... Synaptic cleft 04728 10/23/15 (c) Kanehisa Laboratories