DOPAMINERGIC SYNAPSE DOPAC HVA Glial cell Maob, 633041. ______ODA **ଂଠ•ା−** Comt, Comt1,. 3-MT Slc6a3, DAT,.. DA autoreceptor Drd2, D2R, D. Neuron (Presynaptic terminal) Neuron (Postsynaptic cell) Calcium signaling pathway Camk2d, 2810. ်**တု**ိ L-tyrosine Caly, 071000.. _{Ca}⁴**ò**≠ . • DA Ppp3ca, 2900... . Synaptic plasticity Gnaq, 111000... Plcb1, 31100. Cacna1a, APC... Prkca, Al875. . . Gβу DĀG Tyrosine metabolism Exocytosis cAMP **►**O Atf2, Atf-2,.. **O** Synaptic vesicle cycle Mapk11, P38b. Fos, D12Rfj1. L-Dopa [Ddc, Aadc . pp1ca, Ppp1 DA . Scn1a, B2303... Downstream gene regulation +p -p -p Endocytosis Parkinson's Caronala, APC. (Increased / decreased)
Neuronal
excitability disease Grin2a, GluN.. Glutamatergic synapse Action potential +p Gria1, 29000. r Synaptic plasticity Kif5a, D10Bw. 3-MT Gm15776, OT Drd3, D3R. Maob, 633041.. ಾ Slc6a3, DAT,... ୍ରତଃ HVA Clock, 53304.. DA DA Arrb2, Al326... Arntl, Arnt3.. Gm2436... Synaptic cleft 04728 10/23/15 (c) Kanehisa Laboratories