TERPENOID BACKBONE BIOSYNTHESIS Glycolysis _sD-Glyceraldehyde 3-phosphate Acetyl-CoA°**🍑≪** pyruvatê 👺 Mevalonate pathway MEP/DOXP pathway ₃₇1-Deoxy-D-xylulose 5-phosphate **©**º2Acetoacetyl-CoA K00099 D-erythritol 4-phosphate 3-Hydroxy-3-methyl-glutaryl-CoA K00991... c 4-(Cytidine 5'-diphospho)-2-C-methyl-D-erythritol K00054 2-Phospho-4-(cytidine 5'-diphospho)-2-C-methyl-D-erythritol 🍑 °Mevalonate c4s2-C-Methyl-D-erythritol Mevalonate-3₽🍑 🍑 Mevalonate-5P 2,4-cyclodiphosphate K03526 1-Hydroxy-2-methyl-Mevalonate-3,5PP** 2-butenyl 4-diphosphate Mevalonate-5PP Isopentenyl-P Dimethylallyl-PP 2.5.1.20 **+ ⊭**@Isoprene Rubber Isopentenyl-PP Zeatin biosynthesis (Z,Z)-Famesyl-PP Sesquiterpenoid and triterpenoid biosynthesis Monoterpenoid biosynthesis Geranyl-PP Decaprenyl-PF 2.5.1.88 Polypreny-PP (Z,E)-Famesyl-PP Diterpenoid biosynthesis) (E,E)-Famesyl-P Farnesal trans-Farnesol Carotenoid biosynthesis |||||(E,E)-Famesyl-PP Indole diterpene alkaloid biosynthesis Geranyl geranyl-PP K00804... Steroid biosynthesis Farnesyl cysteine K05356 K05356 Hexaprenyl-PP Protein C-terminal S-farnesyl-L-cysteine methyl ester S-famesyl protein Protein C-terminal S-farnesyl-L-cysteine K00805 Nona-prenyl-PP Phytyl-PP Carotenoid biosynthesis tritrans,heptacis-Undecaprenyl-PP Heptaprenyl-PP N-Glycan biosynthesis Dehydro dolichol-PP Dolichol-PP Octaprenyl-PP Ubiquinone and other terpenoid-quinone biosynthesis COTA di-trans,poly-cis-Undecaprenyl-PP Decaprenyl-PP 00900 4/8/15 (c) Kanehisa Laboratories