CARBON METABOLISM Methane 2-Dehydro-3-deoxy-gluconate CoM-S-S-CoB Glucose Glucono-1,5-lactone Gluconate CoB 04 Methanol Glucono-1,5-lactone-6P 2-Dehydro-3-deoxy-gluconate-6P Gluconate-6P Methyl-CoM Glucose-6P Dimethyl-Trimethyl-Methylamine amine amine. CoM - CO2 HCHO arabino-3-Hexulose-6P Formaldehyde (%) HCHO 5-Methyl-THMPT Formyl-MFR Xylulose-5P Fructose-6P · CO Ribulose-5P 5,10-Methenyl- 5,10-Methylene-THMPT THMPT KOOS72 N5-Formyl-THMPT **FO4** Erythrose-4P Sedohept-ulose-1,7P2 THMPT CO (0011) PRPP Fructose-1,6P2 CO_2 Ribose-5P 10-Formyl-THF 5,10-Methenyl-THF 5,10-Methylene-THF 5-Methyl-THF Sedoheptulose-7P Formamide (1 Formate Glycerone-P Glycerone HCHO THF Glyceraldehyde-3P CO_2 Carbamoyl-P (%) ΝНз Glycerate-1,3P2 CO2 Glycine Phosphono-oxypyruvate H₂S CO_2 Glycerate-3P Serine Ribulose-1,5P2 Phosphoserine Cysteine Acetylserine O_2 AcCoA (0098) Phosphoglycolate Glyoxylate Glycerate Glycerate-2P Hydroxypyruvate 2 Glycolate CO_2 Glyceraldehyde Phosphoenolpyruvate → ③ Alanine CO_2 Pyruvate CO2 Acetyl phosphate НСОз-Acetate CO2 -🖢 🗤 Acetyl-CoA - HCO3-Malyl-CoA Malonyl-CoA (5*) Citramalyl-CoA 4*) Acetoacetyl-CoA Oxaloacetate 🎙 Citrate Malate Malonate semialdehyde (R)-3-Hydroxy-butanoyl-CoA (5*) 3-Methylfumaryl-CoA (S)-3-Hydroxybutanoyl-CoA Citryl-CoA (4) Furnarate 3-Hydroxy-propanoate Aspartate Mesaconyl-CoA Isocitrate Mesaconate Crotonoyl-CoA (2S)-Methyl- (2R)-Ethyl- (2S)-Ethyl-succinyl-CoA malonyl-CoA malonyl-CoA Succinate CO_2 Butanoyl-CoA 3-Hydroxy-propionyl-CoA CO2 · CO_2 Succinyl-CoA Glutamate (5*) β-Methylmalyl-CoA 4 Hydroxybutanoyl-CoA Methylaspartate 2-Oxoglutarate Acryloyl-CoA (R)-Methyl-malonyl-CoA (S)-Methyl-malonyl-CoA НСОз-Propanoyl-CoA + 4 Hydroxybutanoate Succinate semialdehyde 01200 6/11/15 (c) Kanehisa Laboratories