FATTY ACID METABOLISM in cytop lasm / p lastid in mitochondria RM018 / RM020 RM021 Acetyl-CoA - — D O **11262 C O ** Malonyl-CoA Citrate cycle (MalCoA) Acetyl-CoA (0002 Acetyl-[acp] (0393) (AcACP) **▶°©**⁴Acetyl-CoA (AcCoA) ூMalonyl-[acp] (MalACP) Butanoyl-[acp] (0574) Butanoyl-CoA (0013) AcCoA - MalACP Hexanoyl-CoA (0527) Hexanoyl-[acp] (0574) - MalACP AcCoAOctanoyl-CoA (0194) Octanoyd-[acp] (0575) AcCoA- MalACP Decanoyl-CoA (0527) Decanoyl-[acp] (0575) MalACP AcCoA Dodecanoyl-CoA (0183) Dodecanoyl-[acp] (0522) AcCoA MalACP Tetradecanoyl-CoA (0259) Tetradecanoyl-[acp] (0576) MalACP AcCoA Palmitic acid Hexadecanoyl-CoA (0015) K08766 Hexadecanoyl-[acp] Hexadecanoyl-CoA K1020(Palmitoyl-CoA) Palmitoylcarnitine — MalACP MalCoA* in endop lasmic reticulum Δ9,12,15 Δ9,12 Δ9 ·(1616) Δ6,9,12,15 <u>~</u>(03038) ∆6,9,12 Stearoyl-CoA/ACP K10245... MalCoA Δ5,8,11,14,17 Δ5,8,11,14 **→**20* ∆11,14 (20*)-Δ11,14,17 Δ8,11,14,17 — MalCoA Δ8,11,14 Δ4,7,10,13,16,19 Δ4,7,10,13,16 Δ7,10,13,16,19 22 **22** ∆13 Docosanoyl-CoA (22*) Δ7,10,13,16 (23*) K10245... MalCoA Δ13,16 Δ9,12,15,18,21 Δ6,9,12,15,18,21 Δ15 Tetracosanoyl-CoA Δ6,9,12,15,18 Δ9,12,15,18 01212 9/4/14 (c) Kanehisa Laboratories