FATTY ACID METABOLISM in cytoplasm/plastid in mitochondria RM021 RM018 / RM020 Acetyl-CoA —— ॎ শুধ্বন্ত শুশ্বন্ত Malonyl-CoA | (MalCoA) Citrate cycle ACP[©] Acetyl-CoA (2*) Acetyl-[acp] (0393) (AcACP) ►O Acetyl-CoA (AcCoA) -©°Malonyl-[acp] (MalACP) **CO**44 C0418 Butanoyl-[acp](0574) Butanoyl-CoA (4*) - MalACP - AcCoA Hexanoyl-[acp] (0574) Hexanoyl-CoA 🛞 - MalACP AcCoAOctanoyl-[acp] (0575) Octanoyl-CoA - MalACP AcCoADecanoyl-CoA (10*) Decanoyl-[acp] - AcCoA - MalACP Dodecanoyl-CoA (12*) Dodecanoyl-[acp] (0522) AcCoA - MalACP Tetradecanoyl-CoA (149) Tetradecanoyl-[acp] (0576) AcCoA - MalACP Palmitic acid Hexadecanoyl-CoA (18) Hexadecanoyl-[acp] Hexadecanoyl-CoA K1020 (Palmitoyl-CoA) Palmitoylcarnitine - MalACP MalCoAin endoplasmic reticulum Δ9,12,15 Δ9,12 Δ9 (8*) ∆6,9,12,15 <u>►189</u> ∆6,9,12 Stearoyl-CoA/ACP K1046... MalCoA Δ5,8,11,14,17 Δ5,8,11,14 ∆11,14 ੴ-∆11,14,17 Δ8,11,14,17 K1045... MalCoA Δ8,11,14 Δ4,7,10,13,16,19 Δ4,7,10,13,16 Δ7,10,13,16,19 💯 **22** ∆13 Docosanoyl-CoA 22* Δ7,10,13,16 (23*) K1045... MalCoA Δ13,16 Δ9,12,15,18,21 Δ6,9,12,15,18,21 Δ15 Tetracosanoyl-CoA Δ9,12,15,18 Δ6,9,12,15,18 01212 3/17/16 (c) Kanehisa Laboratories