TCA cycle L–glutamine synth. methylaspartate cycle partial TCA cycle reductive TCA cycle glyoxylate cycle mixed acid fermentation L-tryptophan degr. L-phenylalanine degr. L-tyrosine degr. PWY-8190 poly wall teichoic acid synth. dodecenoate synth. 8-amino-7-oxononanoate synth. gondoate synth. mycolate synth. oleate synth. iso-branched-chain fatty acid synth. anteiso-branched-chain fatty acid synth. streptorubin B synth. palmitoleate synth. -dodec-5-enoate) cis-vaccenate synth. stearate synth. palmitate synth. petroselinate synth. fatty acid synth. fatty acid synth. init. fatty acid elongation -- saturated pyridoxal 5'-phosphate synth. lipid synth. ADP-L-glycero-..-D-manno-heptose synth. lipid A synth. 5-aminoimidazole ribonucl. synth.