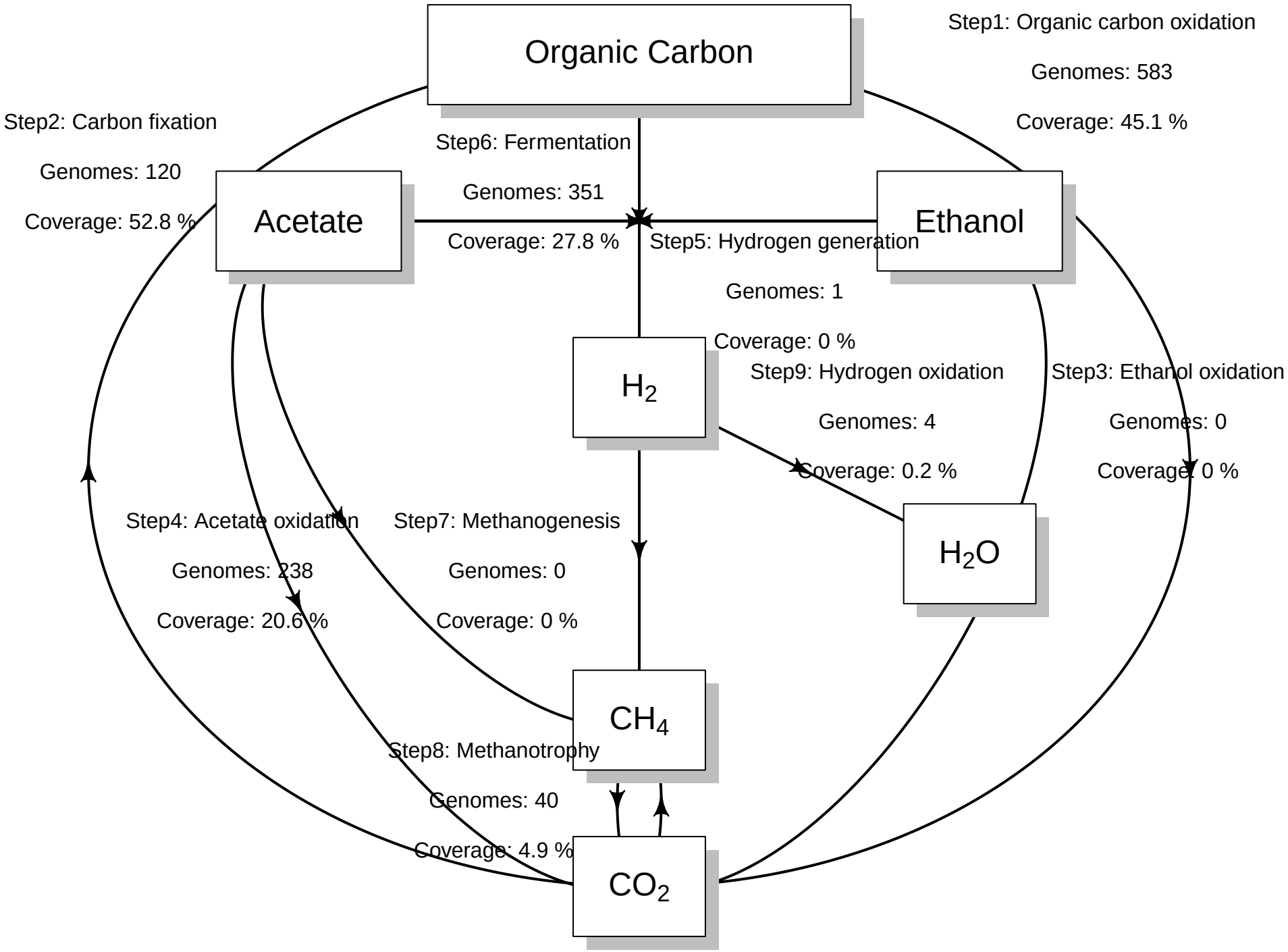Carbon Cycle