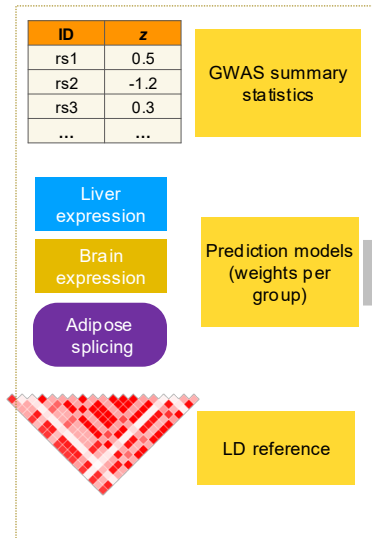
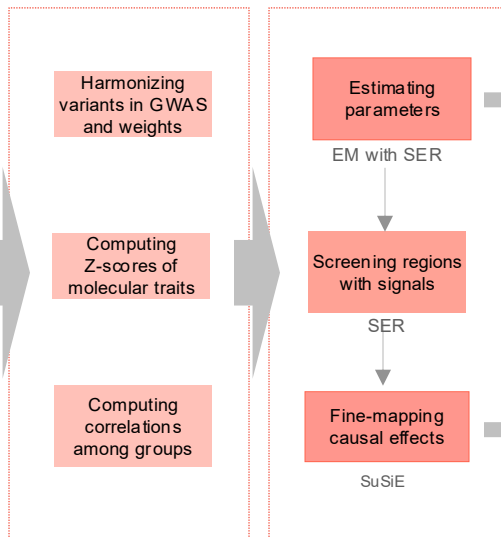


Input



Multi-group cTAS



Output

