crc – att3 – 20 repeats –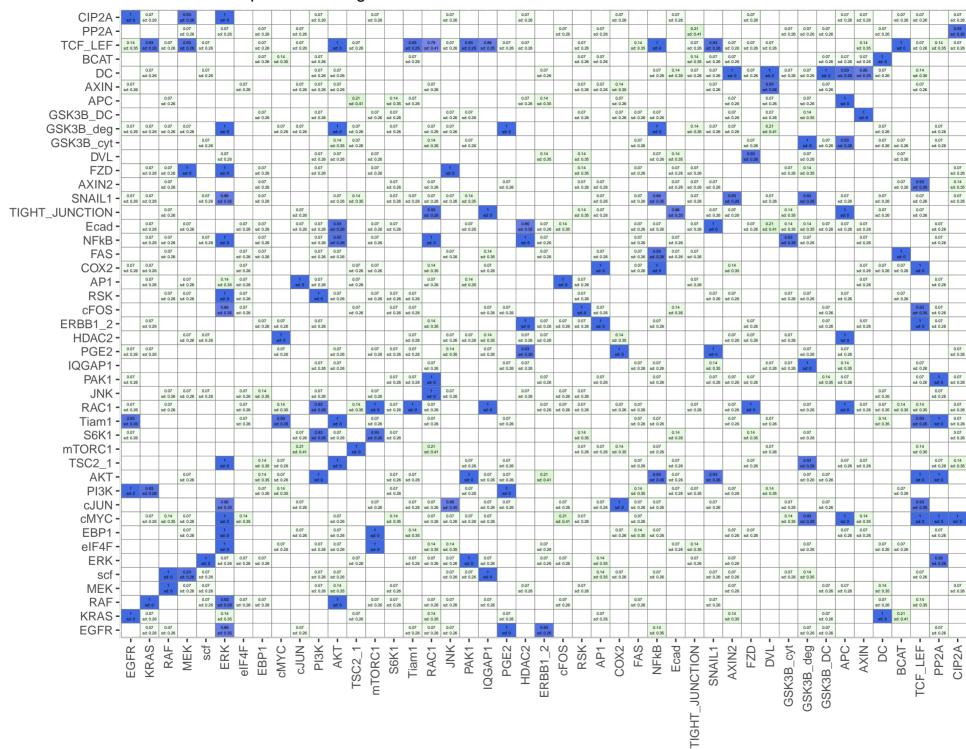 2500 generations