Autosomal pair

- ~290-350 million years ago
  Sex chromosomes
  Appearance of MSY (SRY stops recombining)

- ~230-300 million years ago
  Second significant spreading of MSY (RBMY, RPS4Y)

- ~130-170 million years ago
  Third significant spreading of MSY (SMCY, UBE1Y)

  → Marsupial XY

- ~80-130 million years ago
  Translocation that expands PARq

  → Non-humanoid eutherian XY

- ~30-50 million years ago
  Fourth significant spreading of MSY (CASKP, DBY, BF1AY, TB4Y, UTY, ZFY)

  → Humanoid XY

- ~3-4 million years ago
  X to Y translocation that installs PCDHY

  → Human XY