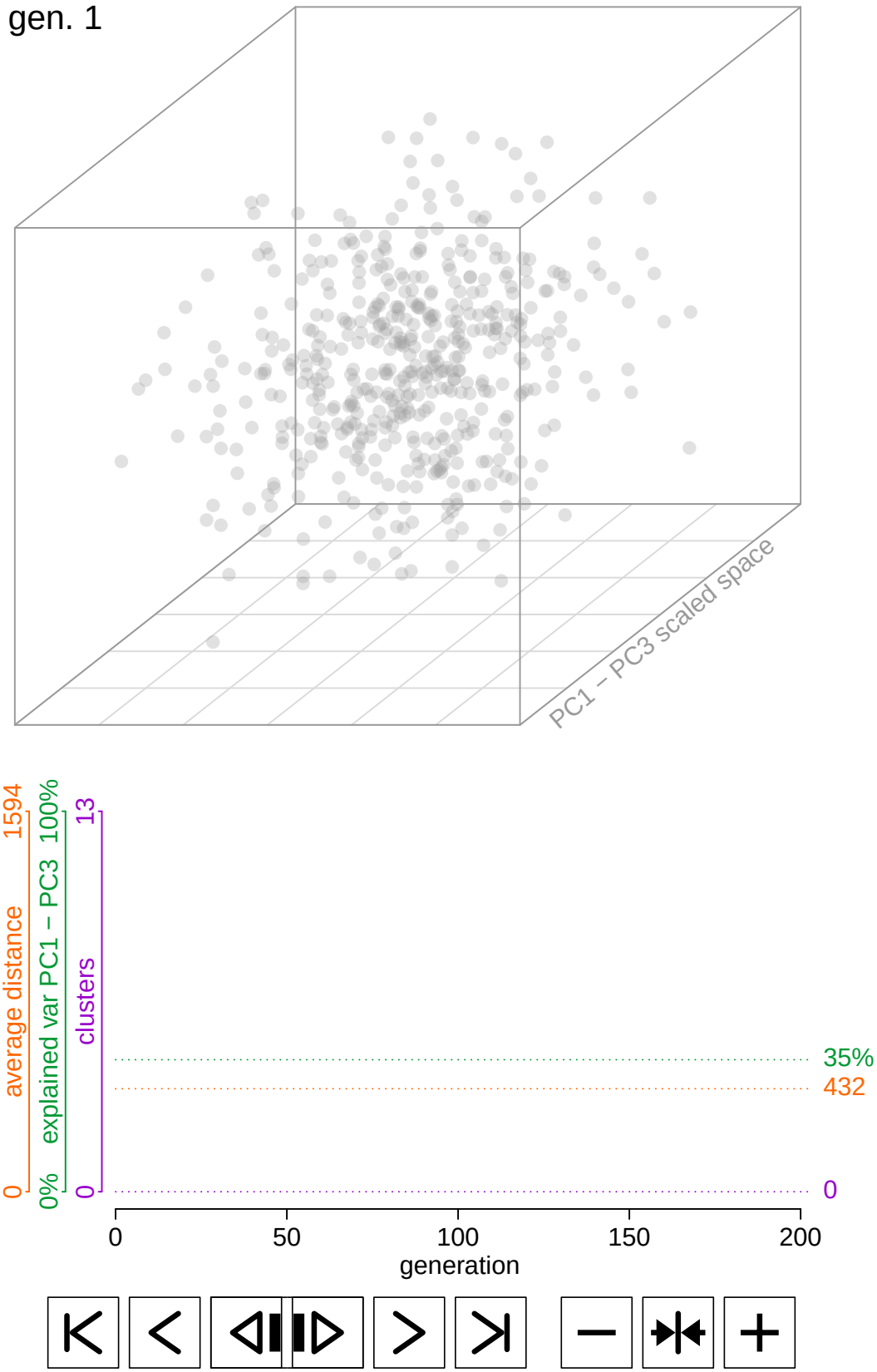$n = 500$ $h = 3$ $\nu = 2$ $\eta = 1$