Pooling of regression parameters: Int and slope Thermocyclops oithonoides 2 -Ammodytes marinus Rissa1 tridactvla Quercus spp Corydalis ambigua Tortrix viridana Daphnia pulicaria Cerorhinca monocerata Pygoscelis adeliae Fratercula arctica Clamator glandarius Diatom2b spp Pica pica Sitta europ Diatom3 spp. Caterpillar4b Acartia hudsonica Phytoplankton1 spp. Epirrita autumnata -1 **-**Mnemiopsis2 leidyi Cyclops vicinus Engray Phytoplankton2 spp. Daphnia hyalina-galeata Plant2 spp. Mnemiopsis1 leidyi Diatom4b sop. -2 **-**Pleurobachia_a pileus Pleurobrachia pileus 100 200 Intercept estimate

Slope estimate

model • complete pooling • no pooling • partial pooling • partial pooling (mu) NA