bacw17.long_Mod with lake+species_rand+PC1 w_0.23_randSlope Bulk BMI littoral Perch large Pike Global median (95% CI) = median (95% CI) = - median (95% CI) = - median (95% CI) = 0.766 (0.456 - 1.122) 0.094 (-0.085 - 0.267) 1.054 (0.807 - 1.343) 0.814 (0.500 - 1.186) 3 3 0 2 3 Bulk_ZPL Asellus_littoral Perch_small Smelt median (95% CI) = -0.006 (-0.178 - 0.172) median (95% CI) = median (95% CI) = - median (95% CI) = 1.322 (0.880 - 1.852) 0.882 (-0,081 - 1.957) 0.574(0.301 - 0.880)3 3 3 Chaoborus **Bleak** Chironomid_littoral Vendace Scaled density median (95% CI) = - median (95% CI) = - median (95% CI) = median (95% CI) = 1.276 (0.328 - 2.005) 0.587 (0.359 - 0.844) 1.734 (1.054 - 2.494) 1.068 (0.712 - 1.478) 2 Bulk BMI profundal Cladocera Perch medium Roach small median (95% CI) = median (95% CI) = → median (95% CI) = median (95% CI) = 0.292 (0.043 - 0.573) 0.292 (0.081-0.529) 1.096 (0.801 - 1.432) 1.121 (0.393 - 2.028) 0 Copepods Chironomid Profundal Ruffe Roach_large median (95% CI) = median (95% CI) = median (95% CI) = median (95% CI) = 0.363 (-0.379 - 1.230) 0.487 (0.253 - 0.759) 0.457 (0.243 - 0.702) 0.984 (0.676 - 1.351)

Linear coefficient with PC1 in ILR space