Table S1

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| Variable in PLS model | Description | Category |
| divergence | morphological divergence | Y |
| condition factor | condition factor | X |
| diet contr. infauna | contribution of chironomids to perch diet (%) | X |
| lit biomass cladocerans | littoral cladoceran biomass (mg L-1) | X |
| pel biomass cladocerans | pelagic cladoceran biomass (mg L-1) | X |
| lit biomass copepods | littoral copepod biomass (mg L-1) | X |
| pel biomass copepods | pelagic copepod biomass (mg L-1) | X |
| diet contr. copepods | contribution of copepods to perch diet (%) | X |
| max depth | max depth (m) | X |
| DOC | dissolved organic carbon (mg L-1) | X |
| diet contr. epifauna | contribution of epifauna to perch diet (%) | X |
| growth rate | perch growth rate (mm year-1) | X |
| lit biomass benthos | littoral macrozoobenthos biomass (mg m-2) | X |
| pel biomass benthos | pelagic macrozoobenthos biomass (mg m-2) | X |
| diet contr. cladocerans | contribution of cladocerans to perch diet (%) | X |
| diet contr. pel invertebrate | contribution of pelagic invertebrates to perch diet (%) | X |
| lit CPUE perch | CPUE (g m-2 net) of perch in littoral | X |
| pel CPUE perch | CPUE (g m-2 net) of perch in pelagic | X |
| lit CPUE piscivores | CPUE (g m-2 net) of piscivores in littoral | X |
| pel CPUE piscivores | CPUE (g m-2 net) of piscivores in pelagic | X |
| lit CPUE roach | CPUE (g m-2 net) of roach in littoral | X |
| pel CPUE roach | CPUE (g m-2 net) of roach in pelagic | X |
| secchi depth | secchi depth (m) | X |
| shoreline index | shoreline index | X |
| tot P | total phosphorus (µg L-1) | X |