Early generation hybrids may drive range expansion of two invasive fishes DataSet

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Early generation hybrids may drive range expansion of two invasive fishes dataset

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List of files and description of column headings

1. Ranges.csv - Mean annual range for individual bigheaded carps
   a. Group – SC = Silver Carp, AGSC = Advanced generation Silver Carp hybrids, EG = Early generation hybrids, AGBC = Advanced generation Bighead Carp hybrids, BG = Bighead Carp
   b. ID – Identity of individual fishes
   c. Range km – Mean annual length of river used by individual fish (km)
   d. Quantile – Indication of groupings for analysis, 1 = least mobile individuals, 4 = most mobile, analyses not conducted on EG (X)

2. MovementMain.csv – Net and total distances of each observed movement as well as whether a fish was deemed to have moved or remained stationary.
   a. Group – SC = Silver Carp, AGSC = Advanced generation Silver Carp hybrids, EG = Early generation hybrids, AGBC = Advanced generation Bighead Carp hybrids, BG = Bighead Carp
   b. month
   c. year
   d. id – Identity of individual fishes
   e. netdist – Net distance moved (km), upstream values were positive and downstream values were negative
   f. totaladdist – Total distance moved (km)
   g. tl – Estimated total length of fish at time of movement (mm)
h. moverate – Rate of movement (km/day)
i. movenomove – Indicator of whether a fish moved (1) or remained stationary (0)
j. change24TempA – Change in temperature over 24 hours preceding movement (°C)
k. changewkTempA – Change in temperature of week preceding movement (°C)
l. DTempA – Average temperature on day of movement (°C)
m. DDisA – Average discharge on day of movement (m³/sec)
n. WkDisA – Change in discharge over week preceding movement (m³/sec)
o. C24DisA – Change in discharge over 24 hr preceding movement (m³/sec)

3. IndividualFishData.csv – Basic information about each fish
   a. Date – Date fish was tagged and fin clip was collected
   b. Year – Year of tagging
   c. Reach – River pool fish was collected and tagged in
   d. a’ (SV) – Proportion of alleles tested which were silver carp. Used to group hybrids/parental species as described in text. A zero value indicates a bighead carp while a one indicates a silver carp. Values in between zero and one represent varying degrees of hybrids.
   e. TL – Total length of the fish at time of tagging (mm)
   f. Weight – Weight of fish at time of tagging (g)
   g. Sex – Sex of fish if observed during tagging, F = female, M = male, UNK = unknown sex