





Mean Temperature (°C)				
Population	2.0 Treatment	4.5 Treatment	7.0 Treatment	9.0 Treatment
Konnevesi	2.2	4.0	6.9	8.0
Superior	2.0	4.4	6.9	8.9
Ontario	2.0	4.4	6.9	8.9

## Legend Labels

-  LK-V : Lake Konnevesi - vendace (*C. albula*)
-  LK-W : Lake Konnevesi - European whitefish (*C. lavaretus*)
-  LS-C : Lake Superior - Cisco (*C. artedi*)
-  LO-C : Lake Ontario - Cisco

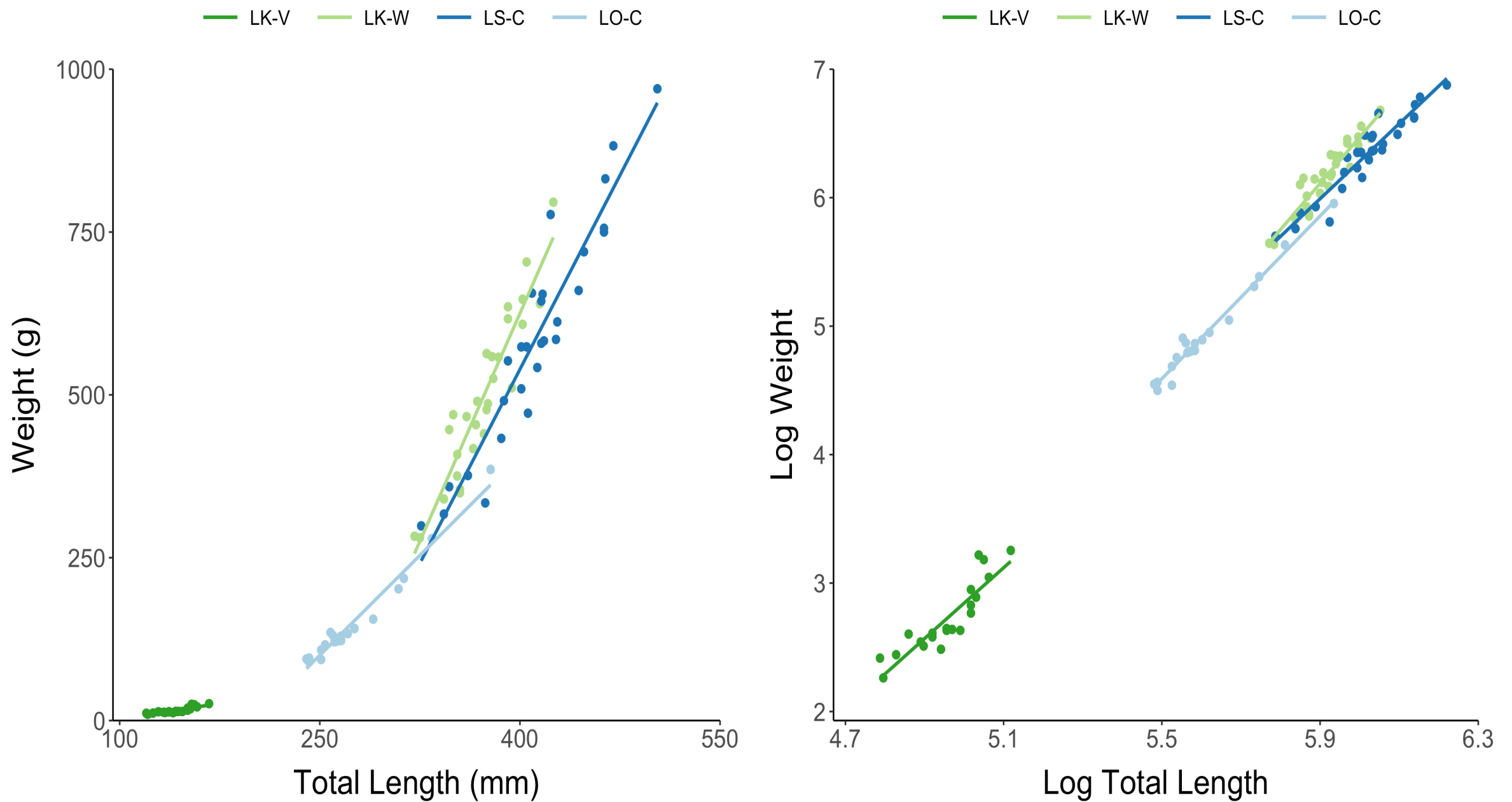


Figure X. Untransformed (left) and log-transformed (right) weight-length relationships for male and female adults used in the experiments from each population.

Table X. Total lengths (TL; mm) and fresh weights (WT; g) of the females and males from Lake Konnevesi (LK; *C. albula* (V) and *C. lavaretus* (W)), Lake Superior (LS; *C. artedi* (C)), and Lake Ontario (LO; *C. artedi* (C)) and the number of offspring used in the experiments (n).

Sex	Block	ID	LK-V			LK-W			LS-C			LO-C		
			TL	WT	n	TL	WT	n	TL	WT	n	TL	WT	n
Female	A	F1	125	11.5	528	258	135.2	528	417	654.5	0	391	635.3	768
		F2	167	25.9	528	251	108.5	528	326	298.9	0	405	704.0	768
		F3	154	25.0	528	240	94.5	352	423	776.9	0	350	469.6	720
	B	F4	156	24.1	528	276	141.3	528	409	656.3	768	384	557.8	768
		F5	158	21.0	528	254	116.2	528	428	612.1	768	425	795.8	768
		F6	129	13.5	504	--	--	--	464	831.8	768	347	446.6	768
	C	F7	151	19.1	527	266	129.6	504	470	882.4	768	402	646.8	768
		F8	120	11.2	528	251	93.7	73	401	509.3	768	355	349.6	768
		F9	142	13.9	504	--	--	--	503	970	768	375	563.4	768
	D	F10	--	--	--	--	--	--	427	585.1	768	360	466.6	768
		F11	--	--	--	--	--	--	416	579.2	0	391	616.8	768
		F12	--	--	--	--	--	--	463	755.8	0	379	558.8	768
Male	A	M1	151	15.9	396	309	202.2	352	416	644.1	0	355	355.1	576
		M2	142	14.1	396	378	385.5	352	374	334.1	0	321	283	576
		M3	137	13.2	396	260	130.3	352	386	433.2	0	325	280.5	576
		M4	140	12.0	396	290	155.6	352	361	376.2	0	365	417.5	528
	B	M5	153	18.0	384	334	279.3	264	444	660.3	576	394	510.9	576
		M6	144	14.0	384	266	122.8	264	406	471.9	576	376	486.4	576
		M7	151	16.9	396	313	218.2	264	413	542.0	576	415	640.0	576
		M8	134	12.3	396	242	95.9	264	463	750.0	576	368	490.0	576
	C	M9	147	13.9	384	242	90.0	138	448	719.7	576	380	525.2	576
		M10	137	13.6	384	261	120.8	151	388	491.0	576	353	408.4	576
		M11	133	12.7	396	263	122.0	150	418	582.9	576	343	340.2	576
		M12	121	9.6	396	271	133.5	138	405	573.8	576	375	477.3	576
	D	M13	--	--	--	--	--	--	347	359.0	192	367	454.3	576
		M14	--	--	--	--	--	--	391	552.2	192	353	375.4	576
		M15	--	--	--	--	--	--	401	573.7	192	373	440.2	576
		M16	--	--	--	--	--	--	343	317.0	192	402	608.3	576

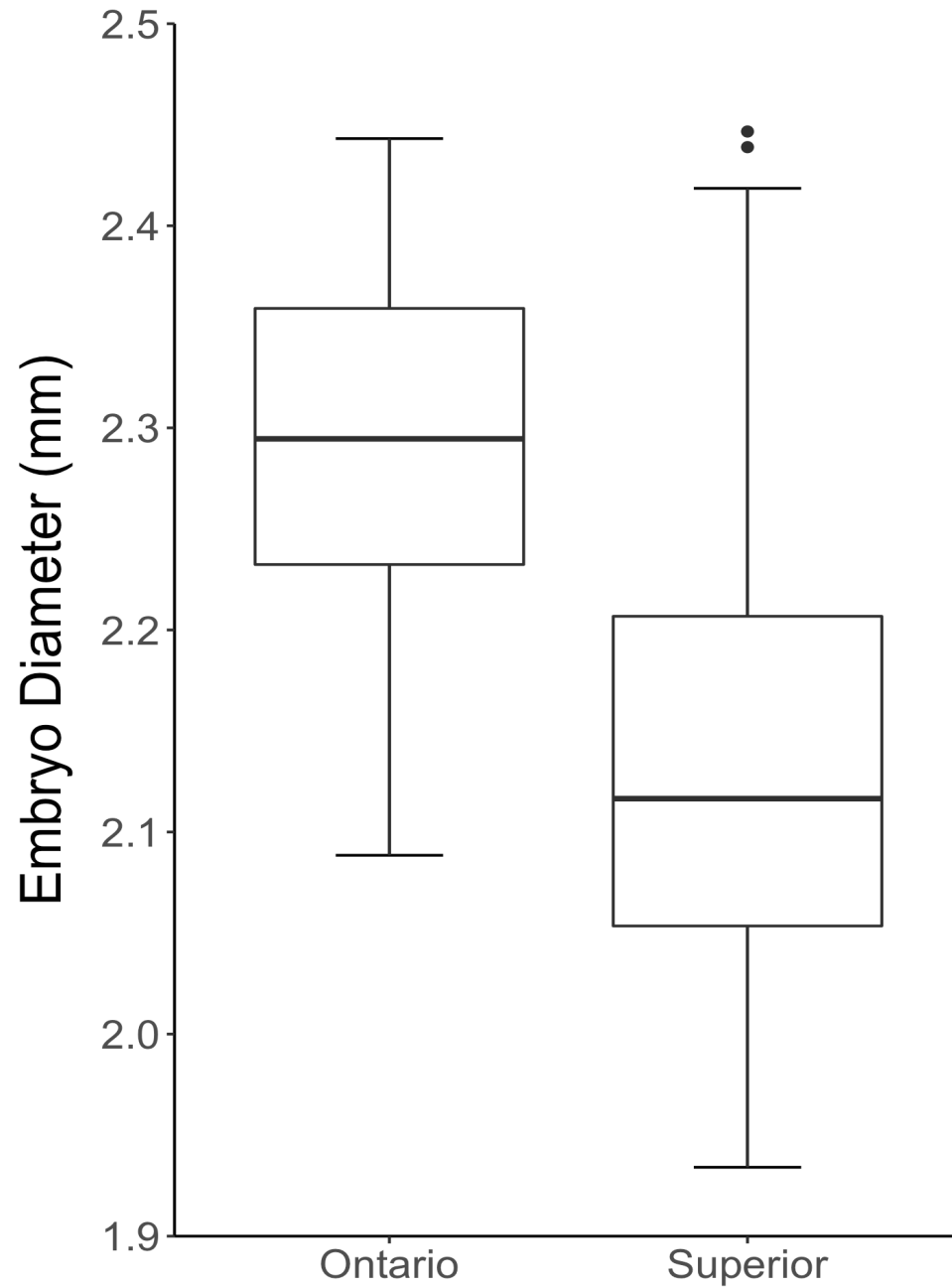


Figure X. Embryo diameter at fertilization boxplot from Lake Ontario and Lake Superior.

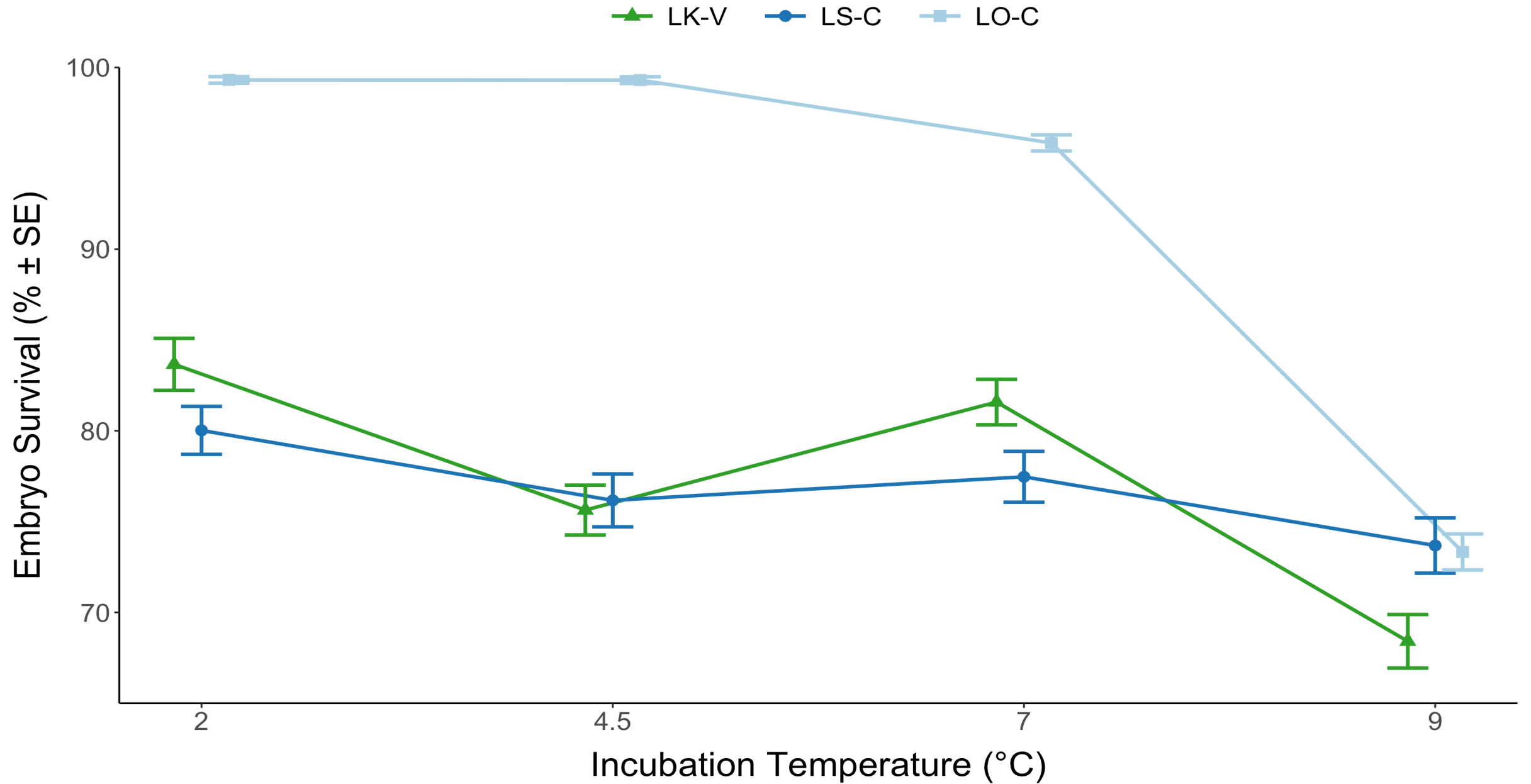


Figure X. Mean embryo survival for each population, excluding European whitefish, at all temperature treatments. Error bars indicate standard error.

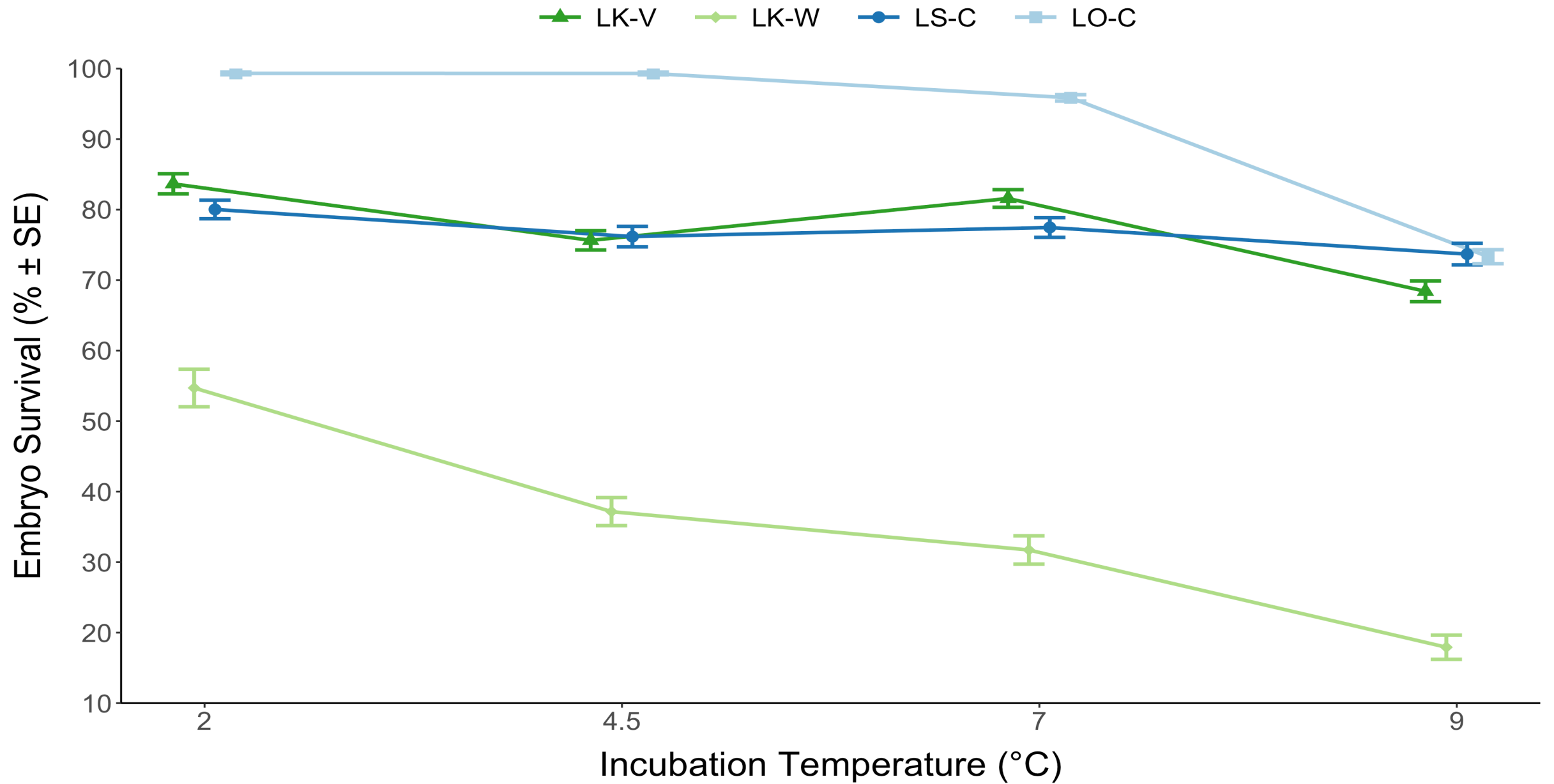


Figure X. Mean embryo survival for each population at all temperature treatments. Error bars indicate standard error.

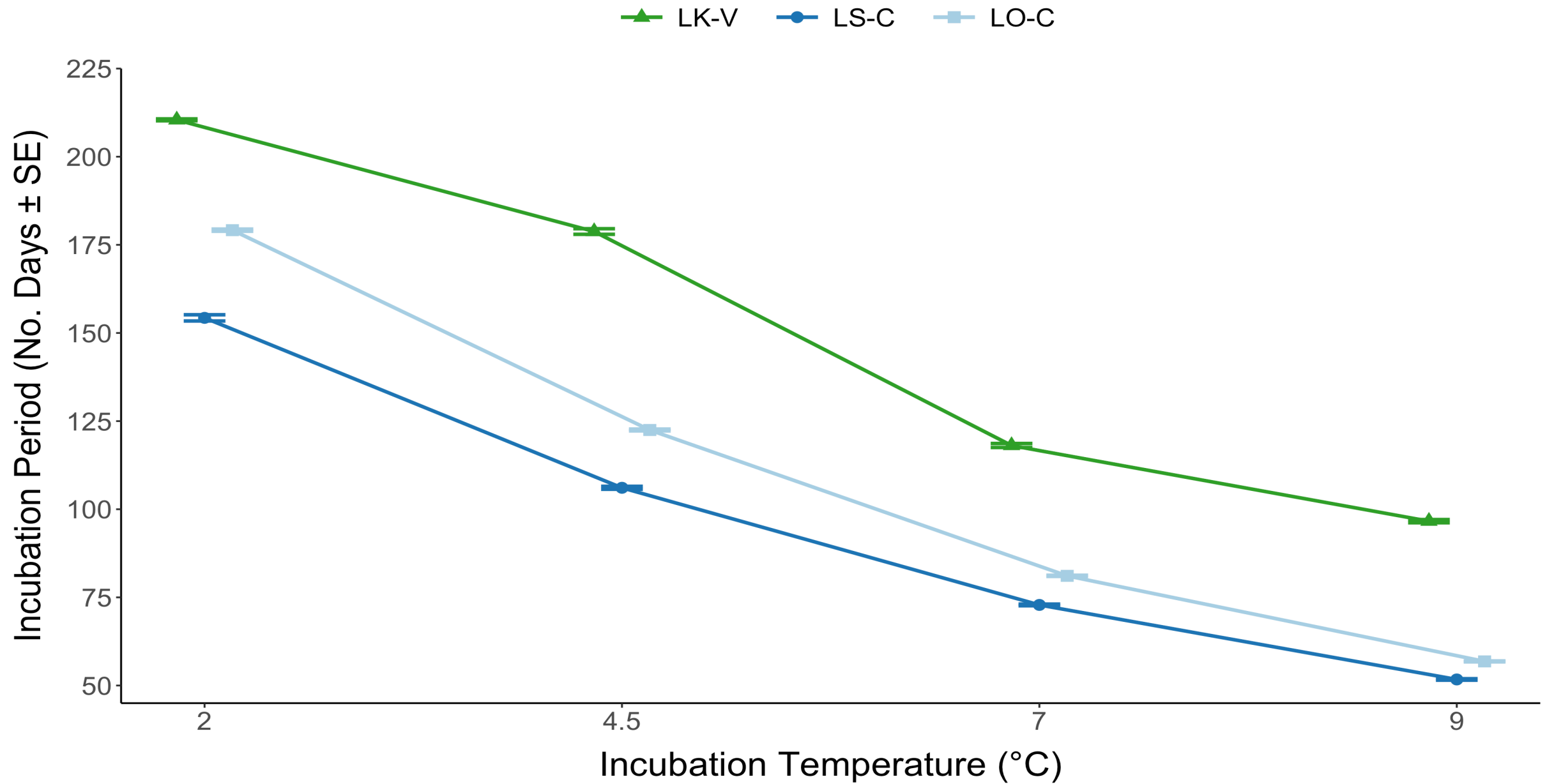


Figure X. Mean incubation period (number of days) for each population, excluding European whitefish, at all temperature treatments. Error bars indicate standard error.



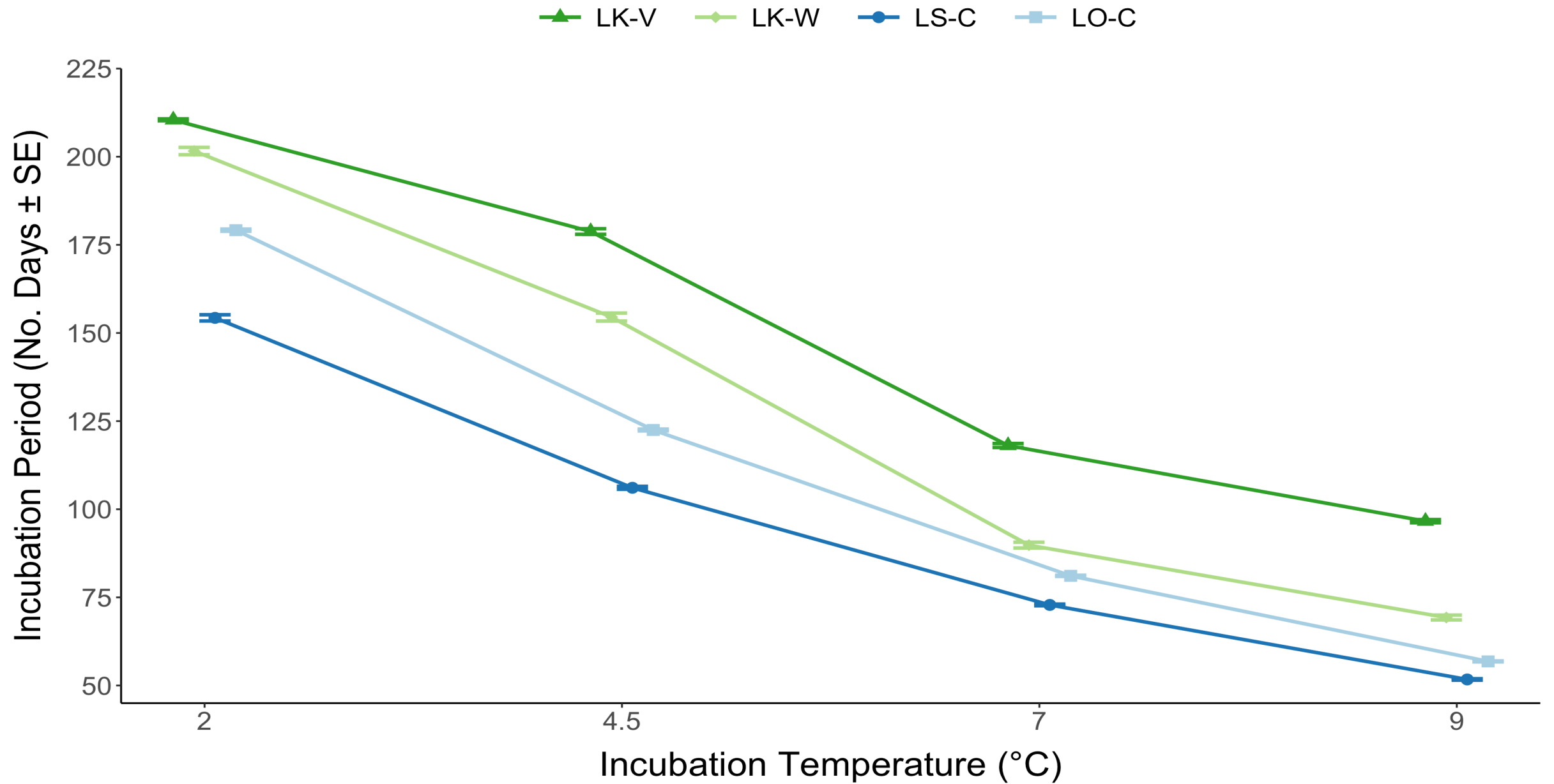


Figure X. Mean incubation period (number of days) for each population at all temperature treatments. Error bars indicate standard error.

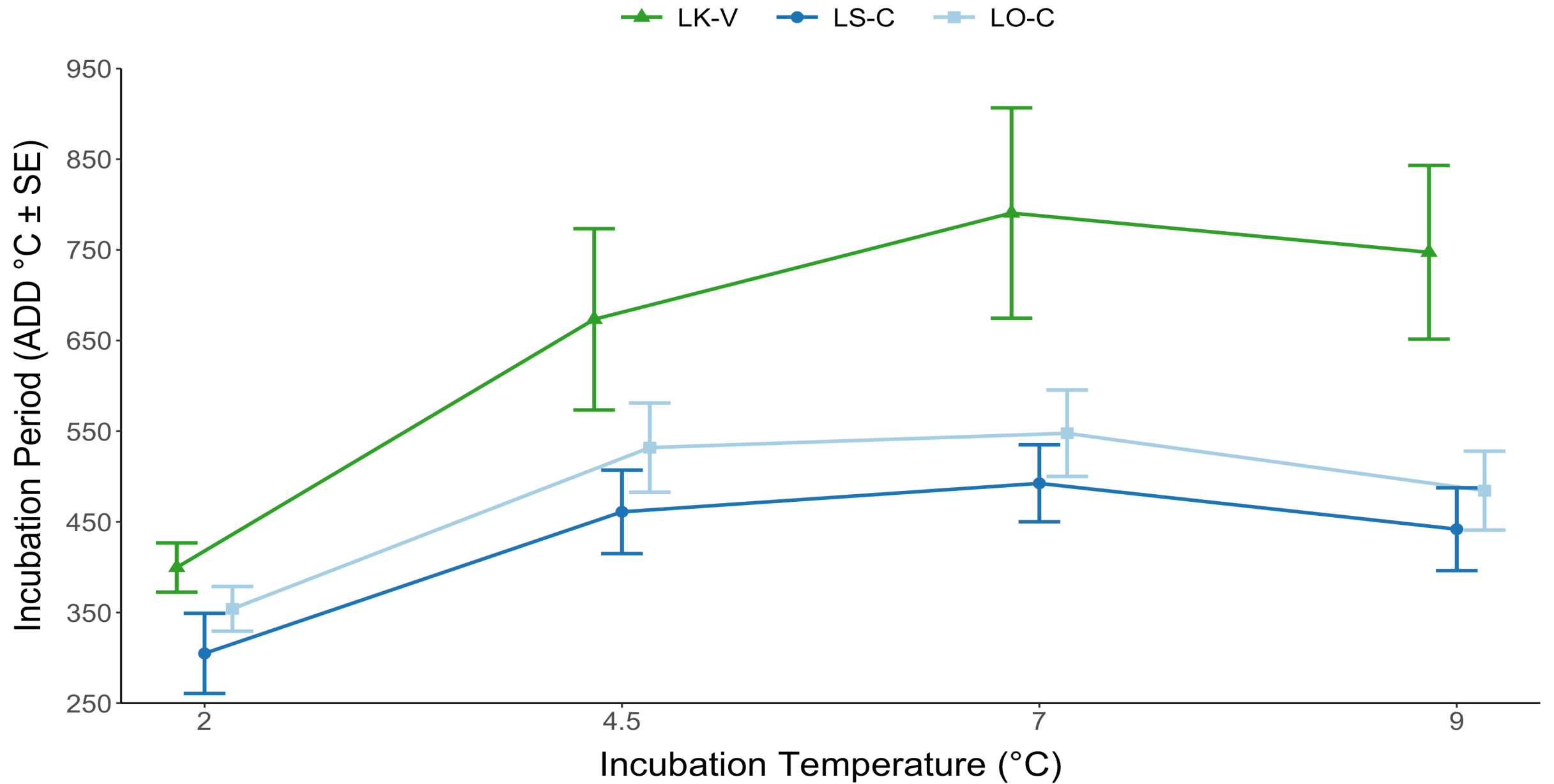


Figure X. Mean incubation period (accumulated degree-days) for each population, excluding European whitefish, at all temperature treatments. Error bars indicate standard error.

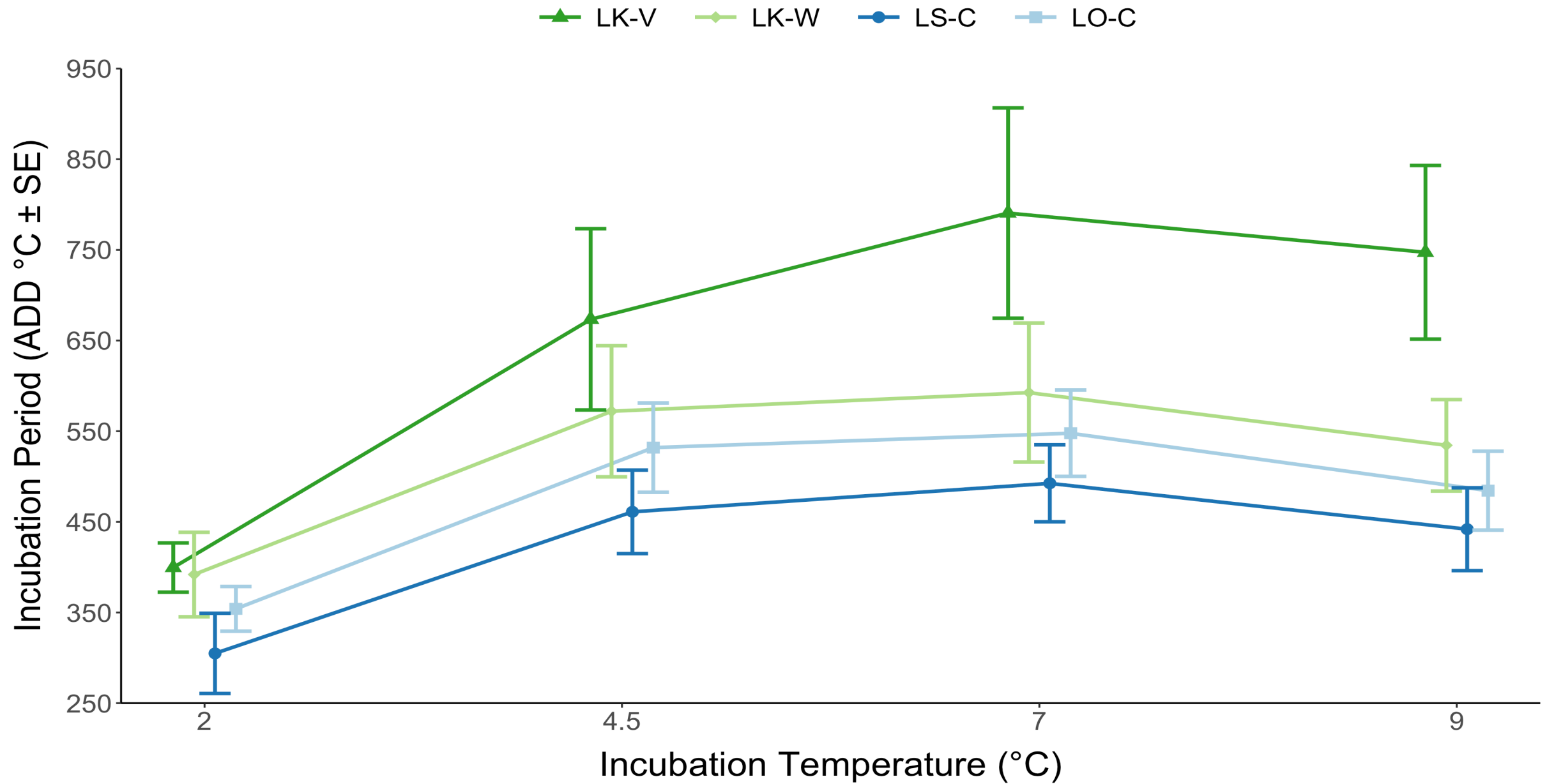


Figure X. Mean incubation period (accumulated degree-days) for each population at all temperature treatments. Error bars indicate standard error.

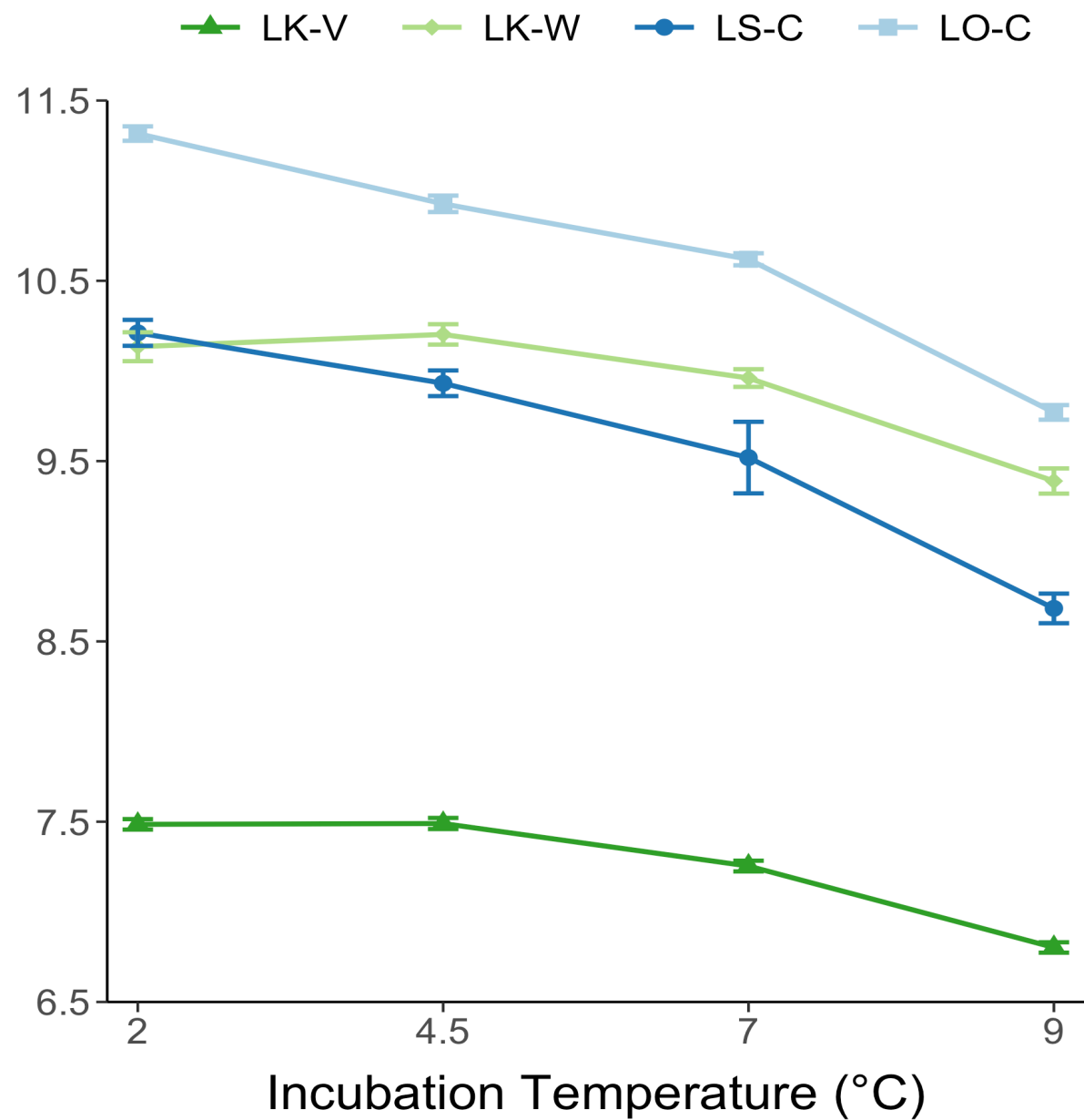
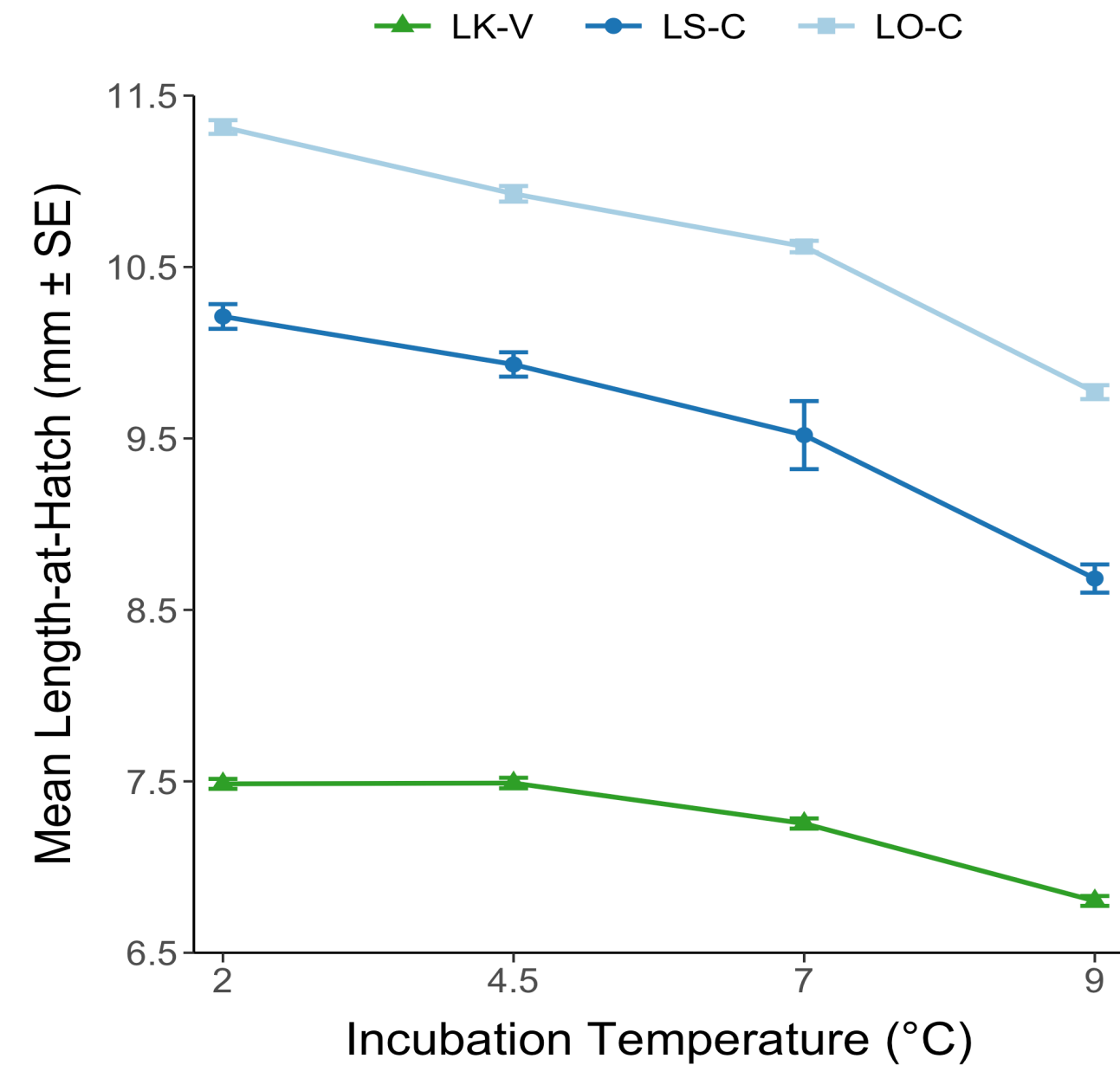


Figure X. Mean length-at-hatch for each population without (left) and with (right) European whitefish at all temperature treatments. Error bars indicate standard error.

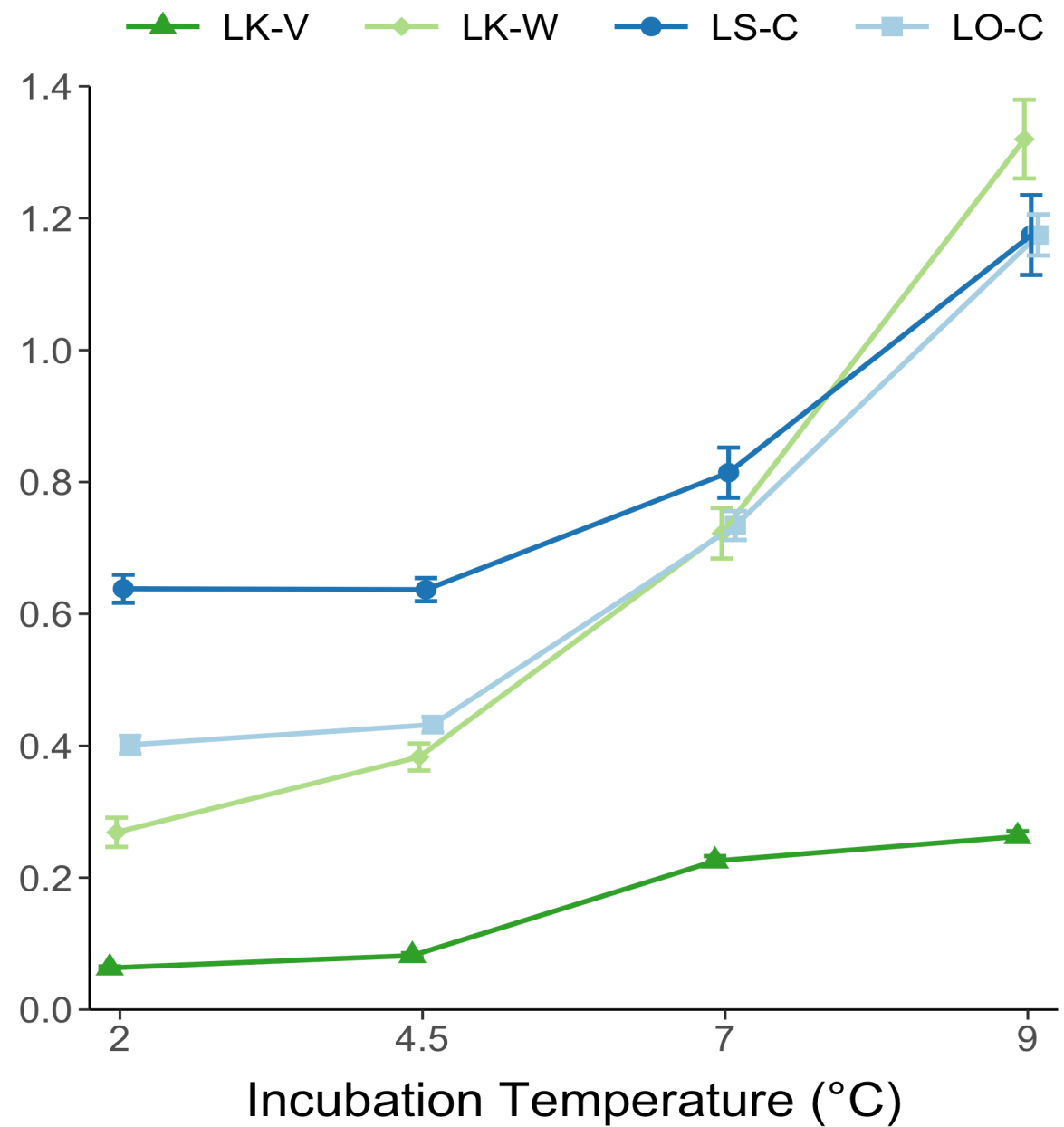
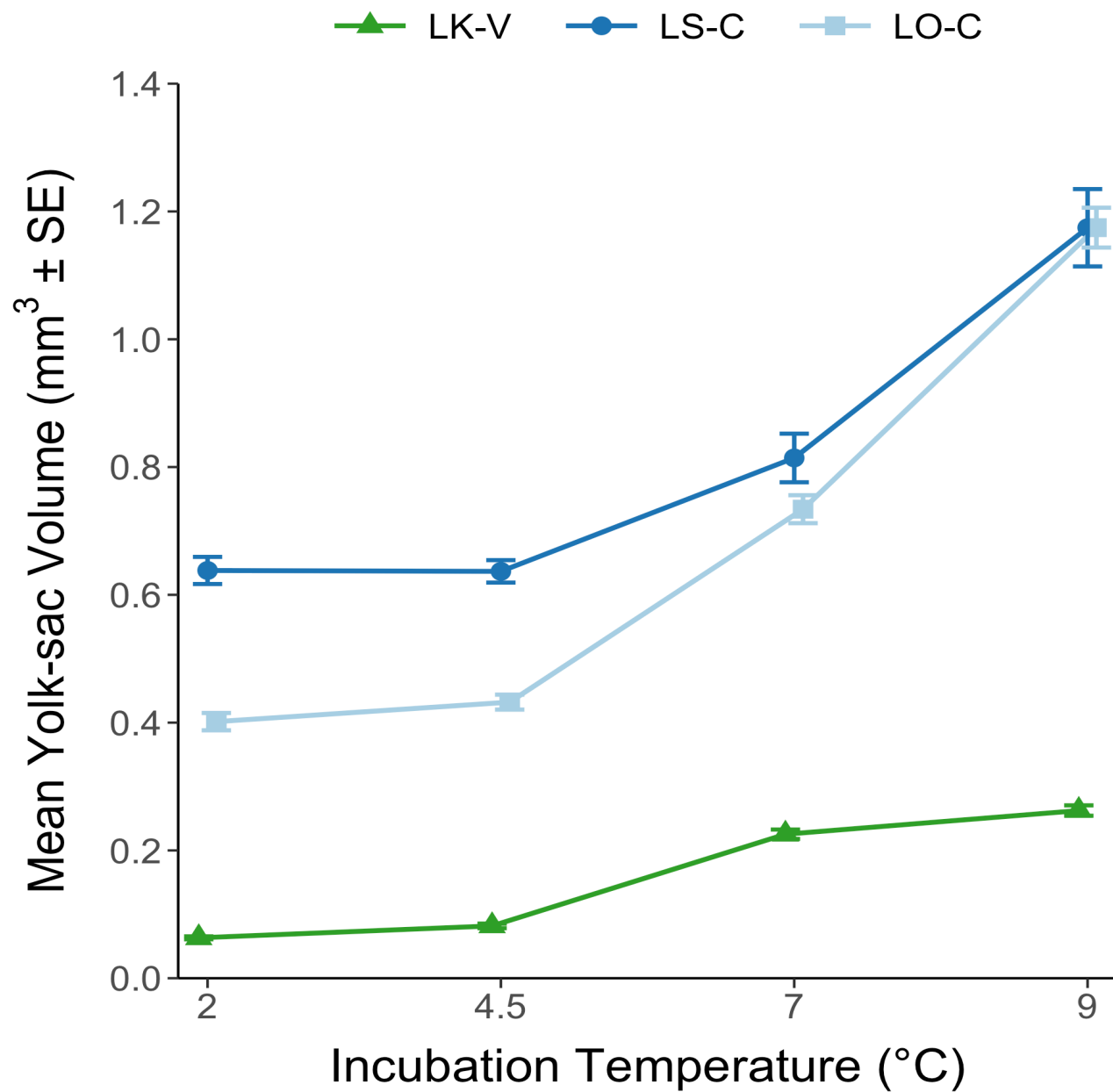


Figure X. Mean yolk-sac volume for each population without (left) and with (right) European whitefish at all temperature treatments. Error bars indicate standard error.