## **Capelin dataset**

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**ORIGINAL ARTICLE** 





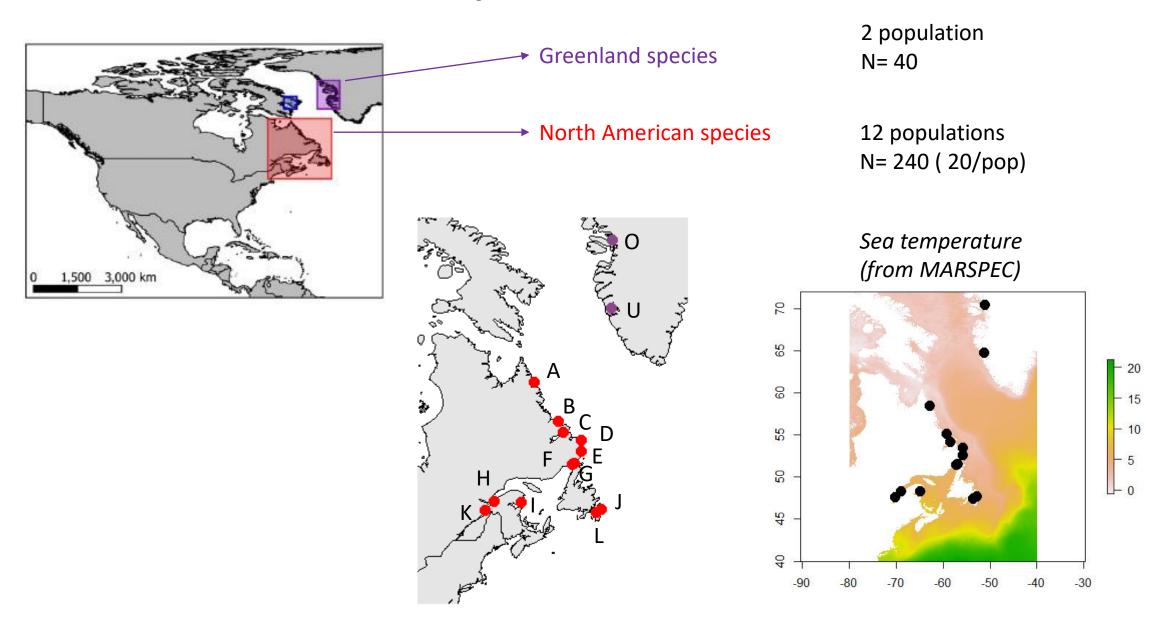
Shared ancestral polymorphisms and chromosomal rearrangements as potential drivers of local adaptation in a marine fish



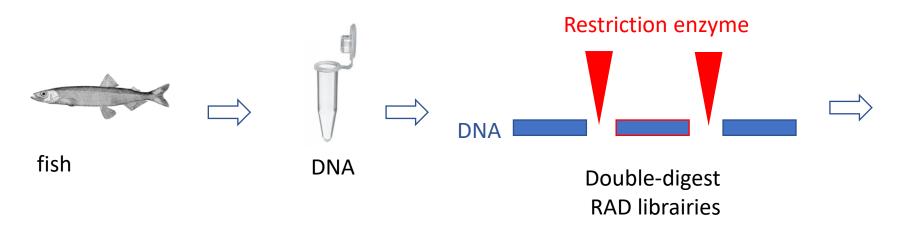
- Mallotus villotus
- Small fish
- Spawn on beaches
- Cold waters of the North Atlantic Ocean



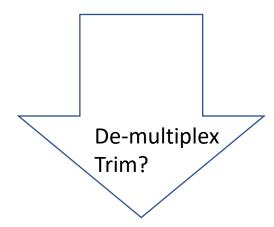
## **Capelin dataset**



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N fastQ files

@70ZFD:01332:11598/1

TGCATCAACTTTAAGATACGCTATTGGAGCTGGAATTACCGCGGCTGCTGGCACCCAGACTTGCCCTCCAATGGATCCTC

+

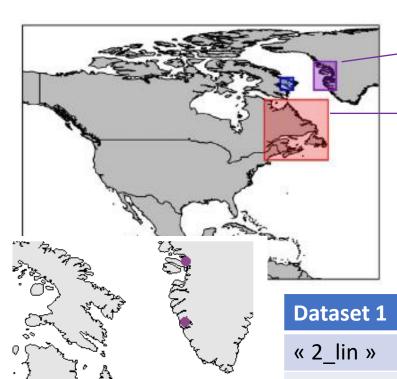
7<<=<;<4676\*115345::=;<=6;5<;<;;7<1918<199<6<<::9:5:556+38469166=3;<6<655-477-4/@70ZFD:01334:11636/1

+

5;?;;;5855;4:4<A<;<<;;<<<B9B=<<<>>;;;=<<:69:58-55)533)/893<:;:9:496888<:1;599;;B

@70ZFD:01335:11615/1

TGCATGGCAGAGTGGAGAGGAGCGCCCTCTACTGGAACTTCCTGGAACAGGTCCTCCGAATGTCCAAGGTACAACGGTTC



→ Greenland species

N= 40

2 population

→ North American species

12 populations N= 240 ( 20/pop)

	Dataset 1	Dataset 2	Dataset 3
	« 2_lin »	« all »	« canada »
	4 populations (2 greenland /2 canadian) => 80 samples	14 populations (2 greenland /12 canadian) => 280 samples	12 populations (12 canadian) => 240 samples
	Fst (stacks, vcftools) PCA	Faststructure DAPC	PCA DAPC Local PCA ALL analyses of day 3-day4-day5