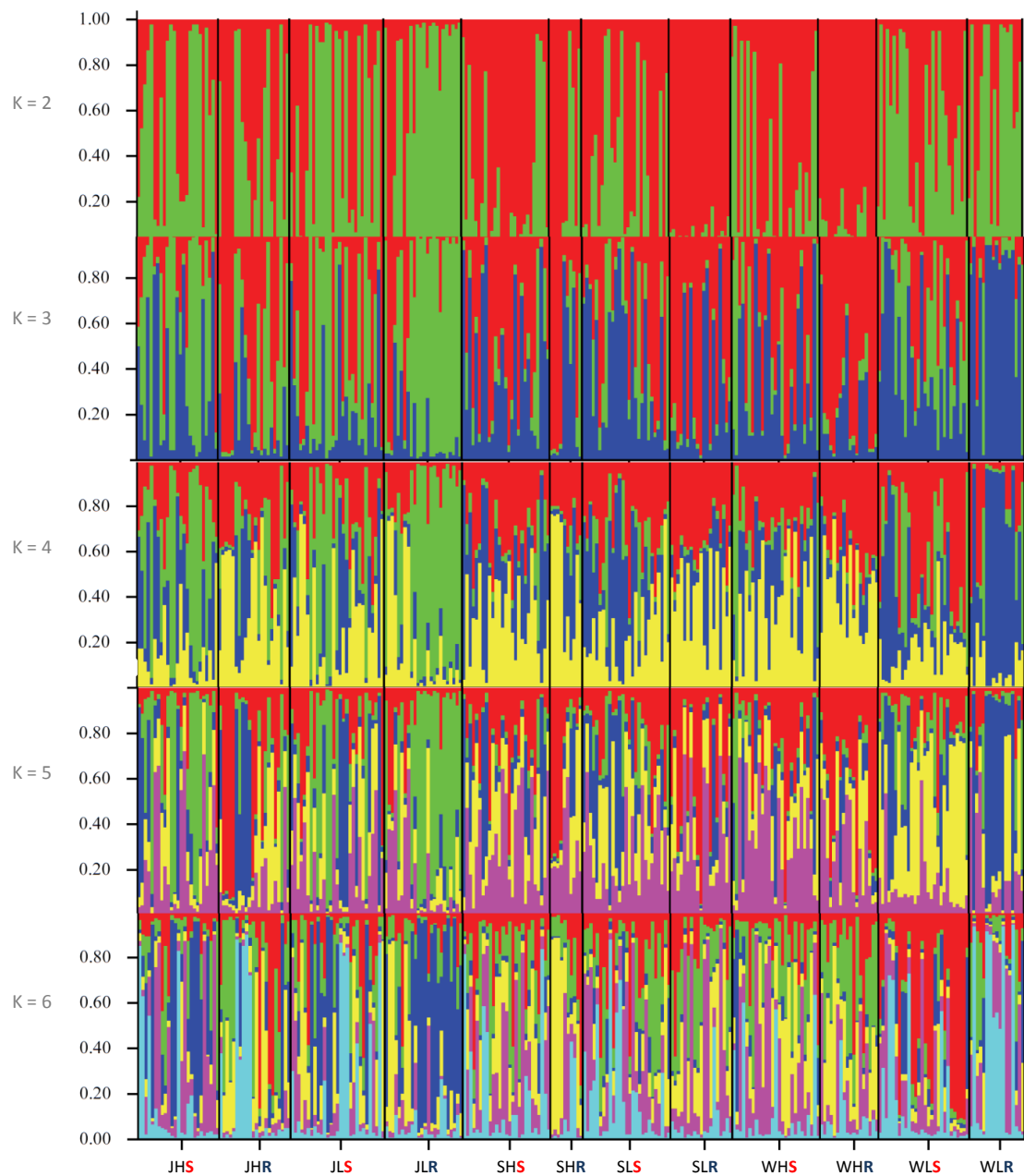
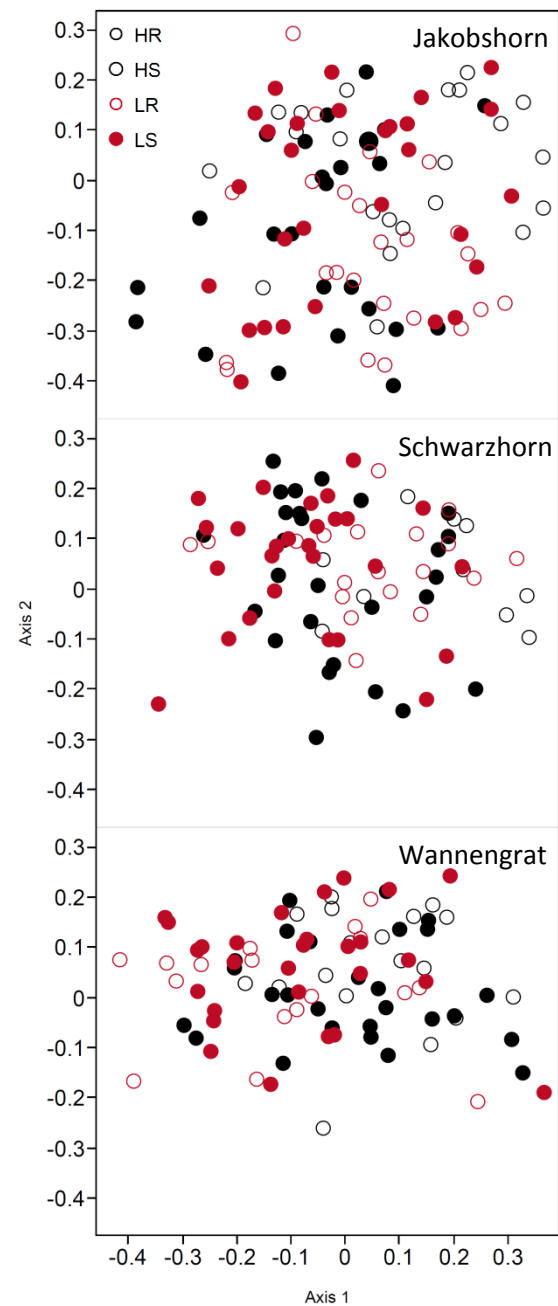


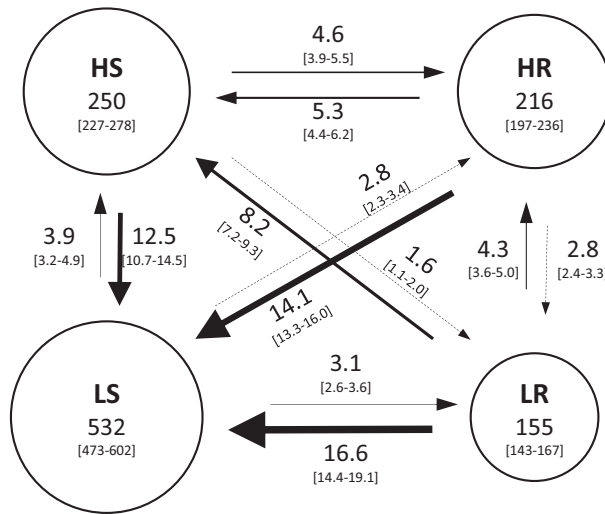
A



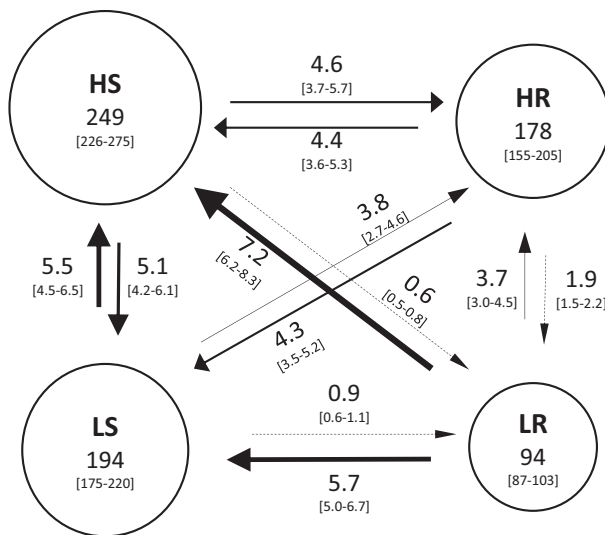
B



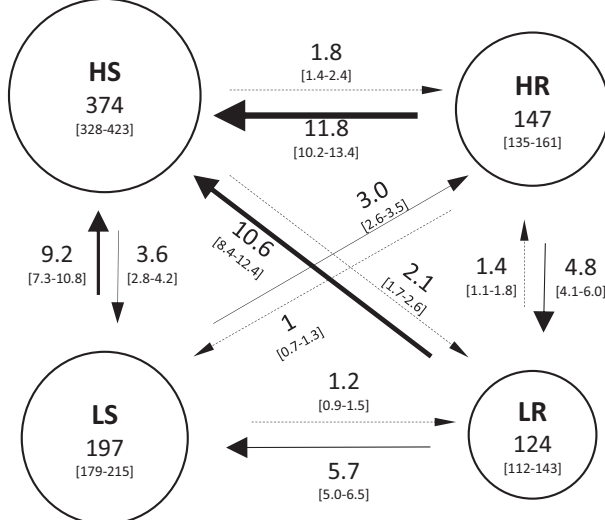
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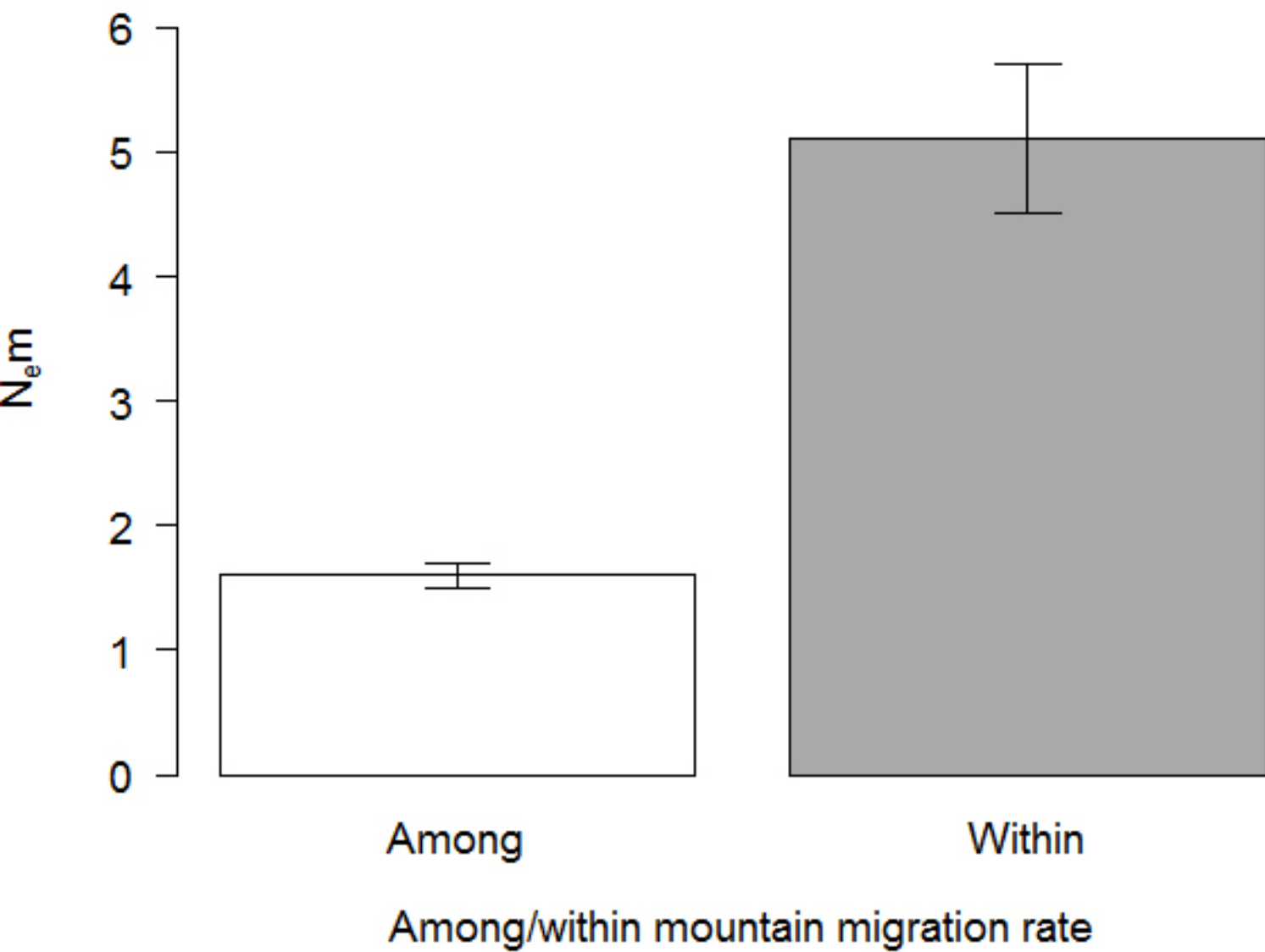


B



C





Primers	Primer Sequence (F/R)	Repeat motif	Dye
gSIMCT024*	5'- TCA TTT GCT CGA TGA GGT TG -3'	CT	VIC
	5'- GTG GTA GTT GCA AAA GGG GA -3'		
gSIMCT035*	5'- ACA CAT GAC TCC CCT TCG TC -3'	CT	6-FAM
	5'- TCT TAT GGT CGT GGT GGT GA -3'		
ORPM_312	5'- GTG GGG ATC AAT CCA AAA GA -3'	NA	PET
	5'- CCC ATA TCA AAC CAT TTG AAA AA -3'		
FY	5'- GTA TGC GGA GGT TGA AGA GAA C -3'	AC	NED
	5'- CAG TAA TCC ACC ATC CAA AAC -3'		
GCPM_1255	5'- GAA CCT TAA AAC CAG AAC CC -3'	AG	6-FAM
	5'- GAG CCA CAG AAA TAC TGC TC -3'		
GCPM_1812	5'- TGC TTC TCT ATT TCT AGG CG -3'	GGT	VIC
	5'- GCT GTT ACT GTC TCT CCA GC -3'		
ASP112322	5'- CAT TAA CGC CCC ATT TCA GT -3'	AG	NED
	5'- GTG AGG CAC CAC CCT GAT AG -3'		

*Developped for *Salix* (Stamati *et al.* 2003). The other ones were transferred from *Populus* (Tuskan *et al.* 2006)

Pop*	n	A	A_s	H_e	H_o
JHS	25	8.86	6.65	0.75	0.42
JHR	22	8	6.14	0.72	0.34
JLS	29	10.57	7.76	0.77	0.36
JLR	24	8.86	6.51	0.75	0.38
SHS	27	8.43	6.4	0.73	0.36
SHR	10	5.43	4.02	0.64	0.4
SLS	27	7.86	6.21	0.7	0.27
SLR	19	5.14	4.06	0.61	0.37
WLS	28	8.86	6.71	0.72	0.31
WLR	17	6.43	5.13	0.72	0.4
WHS	27	9	6.84	0.73	0.35
WHR	18	7	5.3	0.7	0.35

Pop: population, n: sample size, A: number of alleles, A_s: number of alleles corrected by rarefaction, H_e: expected heterozygosity, H_o: observed heterozygosity. *Composed population names defined as follows: mountain names – Jakobshorn (J), Schwarzhorn (S) and Wannengrat (W). Microhabitat names - high snowbed (HS), high ridge (HR), low snowbed (LS), and low ridge (LR). Bold: non-overlapped 95% confidence intervals based on permutation between HS and HR (for microhabitat pairs within each altitude and transect).

Transect	Average M (G & W)	Mutational model	Wilcoxon (P-value)	Wilcoxon (P-value)*
Jakobshorn	0.803	IAM	0.020	0.180
		TPM70	0.020	0.180
		TPM90	0.945	0.996
		TPM95	0.973	0.996
		TPM99	0.988	0.996
		SMM	0.992	0.996
Schwarzhorn	0.805	IAM	0.148	0.666
		TPM70	0.813	0.996
		TPM90	0.992	0.996
		TPM95	0.996	0.996
		TPM99	0.996	0.996
		SMM	0.996	0.996
Wannengrat	0.763	IAM	0.148	0.666
		TPM70	0.234	0.842
		TPM90	0.711	0.996
		TPM95	0.852	0.996
		TPM99	0.988	0.996
		SMM	0.996	0.996

*Corrected for multiple comparisons using the FDR method according to Benjamini & Hochberg (1995)