	At1g08920	At2g46830	At3g48360	At2g40460	At5g04410	At5g05440	At1g64890	At1g06110	At2g04040
Iceland1	$F_{1,4}$=12995.5 P<0.001	$F_{1,4}$=13663.6 P<0.001	$F_{1,4}$=200.8 P<0.001	$F_{1,4}$=154 P<0.001	$F_{1,4}$=21.9 P=0.009	$F_{1,4}$=2734.5 P<0.001	$F_{1,4}$=357.6 P<0.001	$F_{1,3}$=112.6, P=0.002	$F_{1,4}$=78.3 P=0.013
Iceland2	$F_{1,4}$=5134.5, P<0.001	$F_{1,4}$=4615.2 P<0.001	$F_{1,4}$=245.5 P<0.001	$F_{1,4}$=3869.7 P<0.001	$F_{1,4}$=60.5 P=0.001	$F_{1,4}$=13489.1 P<0.001	$F_{1,3}$=161.9 P=0.001	$F_{1,3}$=1173.4, P<0.001	$F_{1,2}$=197.4 P=0.005
Sweden1	$F_{1,2}$=2026.4 P<0.001	$F_{1,4}$=2409 P<0.001	$F_{1,4}$=297.8 P<0.001	$F_{1,4}$=1729.9 P<0.001	$F_{1,4}$=366.9 P<0.001	$F_{1,4}$=1922.3 P<0.001	$F_{1,4}$=952.1 P<0.001	$F_{1,2}$=963.6, P=0.001	$F_{1,2}$=8045.1 P<0.001
Sweden2	$F_{1,3}$=5805.8, P<0.001	$F_{1,4}$=2123.4 P<0.001	$F_{1,4}$=25.9 P=0.007	$F_{1,4}$=1562.5 P<0.001	$F_{1,4}$=3390.9 P<0.001	$F_{1,4}$=3536.7 P<0.001	$F_{1,3}$=169.8 P=0.001	$F_{1,3}$=271.4, P<0.001	$F_{1,4}$=151.6 P<0.001
Sweden3	$F_{1,4}$=13183.7 P<0.001	$F_{1,3}$=3531.6 P<0.001	$F_{1,4}$=963.5 P<0.001	$F_{1,4}$=4063.2 P<0.001	$F_{1,4}$=476.6 P<0.001	$F_{1,4}$=1781.8 P<0.001	$F_{1,3}$=197 P=0.001	$F_{1,4}$=283.4, P<0.001	$F_{1,3}$=545.8 P<0.001
Norway1	$F_{1,4}$=64586.2, P<0.001	$F_{1,4}$=12873.9 P<0.001	$F_{1,4}$=8.8 P=0.041	$F_{1,4}$=1944 P<0.001	$F_{1,4}$=111.4 P<0.001	$F_{1,4}$=6141.2 P<0.001	$F_{1,4}$=34.6 P=0.004	$F_{1,3}$=76057.1, P<0.001	$F_{1,4}$=927.3 P<0.001
Norway2	$F_{1,4}$=4265.3 P<0.001	$F_{1,4}$=26318.6 P<0.001	$F_{1,4}$=185.6 P<0.001	$F_{1,4}$=1331.9 P<0.001	$F_{1,4}$=3.9 P=0.118	$F_{1,4}$=4252.9 P<0.001	$F_{1,4}$=28.7 P=0.006	$F_{1,3}$=1055.8, P<0.001	$F_{1,4}$=780 P<0.001
Norway3	$F_{1,4}$=5182, P<0.001	$F_{1,4}$=4942.3 P<0.001	$F_{1,4}$=1043.1 P<0.001	$F_{1,4}$=325.5 P<0.001	$F_{1,4}$=211.7 P<0.001	$F_{1,4}$=2495.5 P<0.001	$F_{1,3}$=8.2 P=0.064	$F_{1,4}$=294.7, P<0.001	$F_{1,4}$=362.6 P<0.001
Norway4	$F_{1,4}$=558.6 P<0.001	$F_{1,4}$=15754.4 P<0.001	$F_{1,4}$=157.8 P<0.001	$F_{1,4}$=1161 P<0.001	$F_{1,4}$=626 P<0.001	$F_{1,4}$=857.3 P<0.001	$F_{1,3}$=525.8 P<0.001	$F_{1,3}$=1461.8 P<0.001	$F_{1,4}$=3882.5 P<0.001
Norway5	$F_{1,3}$=130283 P<0.001	$F_{1,3}$=3307 P<0.001	$F_{1,4}$=891.3 P<0.001	$F_{1,4}$=899.3 P<0.001	$F_{1,4}$=286.2 P<0.001	$F_{1,4}$=4318 P<0.001	$F_{1,4}$=136.1 P<0.001	$F_{1,3}$=95.2 P=0.002	$F_{1,4}$=377.9 P<0.001
Norway6	$F_{1,4}$=451.5 P<0.001	$F_{1,4}$=78773.1 P<0.001	$F_{1,4}$=763.2 P<0.001	$F_{1,4}$=479.2 P<0.001	$F_{1,4}$=1.3 P=0.31	$F_{1,4}$=10703.2 P<0.001	$F_{1,4}$=1055.7 P<0.001	$F_{1,4}$=456.3 P<0.001	$F_{1,4}$=410.6 P<0.001
Scotland1	$F_{1,4}$=357.4 P<0.001	$F_{1,4}$=2044 P<0.001	$F_{1,4}$=58.7 P=0.002	$F_{1,4}$=9533.4 P<0.001	$F_{1,4}$=24.6 P=0.008	$F_{1,4}$=2249.4 P<0.001	$F_{1,3}$=5952.3 P<0.001	$F_{1,3}$=106.6 P=0.002	$F_{1,4}$=359 P<0.001
Wales1	$F_{1,4}$=2608.5 P<0.001	$F_{1,4}$=9307.4 P<0.001	$F_{1,4}$=846.9 P<0.001	$F_{1,4}$=98 P=0.001	$F_{1,4}$=33.7 P=0.04	$F_{1,4}$=6478.6 P<0.001	$F_{1,3}$=21968.3 P<0.001	$F_{1,3}$=932.1, P<0.001	$F_{1,4}$=260.6 P<0.001

Appendix 1 Statistical analysis of qRT-PCR data. Analysis of variance was performed (SPSS v 15.0) to determine the significance of the $\log_2$ fold change in gene expression following exposure to chilling within each population of *A. l. petraea* for each gene studied.