

Table S3 F_{IS} values of the different populations displayed for the different SSR markers

| Population | sfc0018 | sfc0161 | sfc1063 | sfc1143 | GOT066 | FIR065 | FIR004 | FS3-04 | mfs11 |
|----------------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| seedlings | | | | | | | | | |
| DE-SEW5 | 0.046 | 0.035 | 0.095 | 0.005 | -0.092 | -0.05 | 0.354 | 0.12 | 0.085 |
| DE-SEW9 | 0.053 | 0.001 | 0.049 | 0.071 | 0.08 | 0.073 | 0.218 | 0.117 | -0.042 |
| DE-GL | 0.042 | 0.015 | 0.038 | 0.088 | -0.091 | 0.065 | 0.053 | -0.065 | 0.066 |
| DE-GS | -0.064 | 0.026 | 0.03 | 0.059 | -0.041 | -0.032 | 0.09 | -0.014 | 0.02 |
| DE-US | 0.082 | -0.003 | -0.007 | 0.099 | -0.078 | 0.056 | 0.196 | 0.149 | 0.063 |
| DE-CL | 0.001 | -0.003 | 0.102 | -0.027 | -0.024 | -0.02 | 0.109 | -0.006 | -0.04 |
| DE-CS | 0.041 | -0.049 | 0.034 | -0.003 | -0.093 | 0.088 | 0 | 0.057 | -0.035 |
| DE-HA | -0.01 | 0.026 | 0.06 | 0.01 | -0.089 | -0.048 | 0.178 | -0.039 | -0.021 |
| DE-HEW10 | 0.024 | -0.013 | 0.055 | 0.012 | 0.221 | 0.043 | 0.318 | 0.055 | -0.053 |
| DE-HEW6 | 0.067 | -0.052 | -0.04 | 0.059 | -0.063 | -0.045 | 0.214 | -0.055 | -0.023 |
| DE-AEW5 | -0.004 | 0.083 | 0.116 | 0.007 | -0.046 | -0.051 | 0.37 | 0.003 | 0.033 |
| DE-AEW8 | 0.015 | 0.054 | -0.006 | -0.036 | -0.049 | 0.015 | 0.092 | 0.051 | 0.043 |
| CH-E-Felsberg | -0.098 | 0.108 | 0.04 | 0.129 | 0 | -0.06 | -0.099 | 0.041 | 0.046 |
| CH-E-Chur | -0.008 | 0.038 | -0.041 | 0.053 | -0.069 | -0.118 | 0.135 | 0.009 | 0.048 |
| CH-E-Malans | 0 | -0.119 | 0.115 | 0.029 | -0.136 | -0.038 | 0.088 | -0.108 | 0.015 |
| CH-E-Mastrils | 0.056 | 0.18 | -0.081 | -0.036 | -0.044 | -0.012 | 0.095 | -0.275 | 0.158 |
| CH-E-Sargans | -0.103 | 0.075 | -0.058 | -0.041 | -0.051 | -0.077 | -0.08 | -0.016 | 0.041 |
| CH-E-Mels | -0.01 | -0.105 | 0.056 | 0.025 | -0.135 | 0.007 | -0.068 | -0.019 | -0.041 |
| CH-W-Ardon | 0.131 | -0.022 | -0.072 | -0.003 | -0.035 | 0.07 | -0.056 | 0.037 | 0.009 |
| CH-W-Chamoson | 0.08 | -0.02 | 0.047 | -0.056 | -0.016 | -0.05 | -0.04 | 0.159 | -0.031 |
| CH-W-Saxon | 0.004 | 0.095 | -0.024 | 0.054 | -0.008 | -0.034 | -0.038 | 0.117 | 0.003 |
| CH-W-Martigny | 0.031 | -0.099 | -0.064 | -0.038 | -0.033 | -0.021 | 0.155 | -0.014 | -0.032 |
| CH-W-Collombey | 0.121 | 0.123 | 0.101 | 0.064 | -0.034 | -0.084 | -0.018 | 0.057 | 0.039 |
| CH-W-Ollon | 0.035 | 0.028 | 0.028 | -0.098 | -0.008 | -0.051 | 0.037 | -0.182 | 0.014 |

| Population | sfc0018 | sfc0161 | sfc1063 | sfc1143 | GOT066 | FIR065 | FIR004 | FS3-04 | mfs11 |
|----------------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| adults | | | | | | | | | |
| DE-SEW5 | 0.025 | 0.013 | 0.048 | 0.029 | -0.088 | 0.05 | 0.122 | -0.081 | -0.073 |
| DE-SEW9 | -0.067 | -0.026 | -0.04 | 0.013 | -0.048 | 0.004 | 0.253 | 0.005 | -0.056 |
| DE-GL | 0.045 | -0.038 | 0.034 | -0.04 | -0.118 | 0.004 | 0.009 | -0.02 | -0.015 |
| DE-GS | 0.093 | 0.043 | 0.017 | 0.016 | 0.249 | 0.086 | 0.122 | 0.078 | 0.028 |
| DE-US | 0.097 | -0.135 | 0.006 | -0.025 | -0.091 | 0.032 | 0.2 | 0.113 | -0.069 |
| DE-CL | 0.054 | 0.184 | 0.006 | -0.04 | -0.042 | 0.034 | 0.067 | -0.044 | 0 |
| DE-CS | 0.033 | 0.038 | 0.035 | 0.06 | -0.058 | 0.074 | 0.105 | -0.155 | 0.05 |
| DE-HA | 0.061 | 0.032 | -0.01 | -0.079 | 0.029 | 0.022 | 0.204 | 0.212 | -0.044 |
| DE-HEW10 | 0.072 | 0.012 | 0.037 | 0.129 | -0.065 | -0.04 | 0.135 | 0.024 | -0.082 |
| DE-HEW6 | 0.035 | 0.048 | -0.015 | 0.119 | -0.087 | -0.046 | 0.024 | -0.063 | -0.038 |
| DE-AEW5 | 0.008 | -0.01 | -0.011 | 0.007 | 0.025 | -0.051 | 0.025 | -0.036 | -0.072 |
| DE-AEW8 | -0.007 | -0.066 | 0.081 | 0.003 | 0.011 | -0.001 | 0.034 | -0.04 | -0.049 |
| CH-E-Felsberg | -0.069 | -0.061 | 0.095 | 0.072 | 0 | 0.022 | 0.309 | 0.093 | -0.111 |
| Ch-E-Chur | 0.193 | 0.056 | -0.018 | -0.017 | NA | -0.133 | 0.132 | 0.218 | -0.182 |
| CH-E-Malans | -0.009 | 0.175 | 0.038 | -0.098 | -0.095 | -0.366 | 0.057 | -0.234 | 0.123 |
| CH-E-Mastrils | 0.085 | 0.022 | -0.09 | 0.007 | 0 | -0.129 | -0.021 | 0.087 | 0.077 |
| CH-E-Sargans | -0.077 | 0.204 | 0.273 | -0.062 | 0 | 0.104 | 0.072 | -0.263 | -0.087 |
| Ch-E-Mels | 0.053 | -0.057 | 0.101 | 0.087 | -0.043 | -0.072 | 0.238 | -0.02 | -0.105 |
| CH-W-Ardon | 0.118 | 0.025 | 0.016 | -0.082 | 0 | -0.115 | 0.434 | 0.225 | -0.106 |
| CH-W-Chamoson | 0.031 | 0.016 | -0.115 | 0.001 | 0 | -0.229 | 0.331 | -0.076 | 0.076 |
| CH-W-Saxon | -0.035 | -0.099 | -0.034 | 0.124 | 0 | -0.007 | 0.295 | 0.441 | -0.053 |
| CH-W-Martigny | 0.122 | 0.032 | 0.023 | -0.114 | -0.091 | 0.059 | 0.072 | -0.219 | 0.273 |
| CH-W-Collombey | 0.07 | -0.003 | -0.04 | 0.105 | 0 | -0.277 | 0.041 | 0.059 | 0.19 |
| CH-W-Ollon | -0.103 | -0.009 | -0.089 | 0.017 | -0.043 | -0.007 | -0.253 | 0.157 | -0.06 |