**ReadMe file for Lacey et al. 2010 data file:**

This file shows the spectral scan results (362-850nm) for reflectance of spikes (clusters) of flowers just prior to stigma emergence in the earliest flowers (the lowest) to bloom on a spike. Spikes were collected from clones of genotypes derived from 29 European populations. Cloned genotypes were grown in growth chambers at a warm and cool temperature. See Methods section of Lacey et al. for more information about this. Variables in the file are as follows:

**Rows/Column A**

chamber = growth chamber in which a cloned plant was grown (s1-s6)

Temp = temperature setting of chamber (H= 27oC day/20oC night, L=15oC day/10oC night)

Pop = the European population from which the genotypes were derived, more information in Lacey et al.

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| --- | --- | --- |
| Source Country | Location in Country | Symbol |
| Denmark | Veno | DV |
| Finland | Lappi | FL |
| France | Grenoble | FRG |
| France | Hameau de St. Felix | FRH |
| France | St. Pierre, Ile d'Oleron | FRI |
| France | St. Martin d'Here | FRM |
| France | St. Martin d'Uriage | FRMU |
| France | Orsay | FRO |
| France | Perros Guirec | FRP |
| France | Grandes Rousse | FRR |
| Germany | Jena | GJ |
| Germany | Marburg | GM |
| Germany | Lake Ploen | GP |
| Hungary | Budapest | HB |
| Italy | Aprilia | IA |
| Italy | D'Besmorello | IB |
| Italy | Castelvolturno | ICA |
| Italy | Cosenza | ICS |
| Netherlands | Wassenaar | NW |
| Romania | Targu-Mures | RT |
| Spain | Cangoria | SPC |
| Spain | Orbil de Villanua | SPO |
| Sweden | Lund | SL |
| Sweden | Uppsala | SU |
| Switzerland | Zurich | SWZ |
| U.K. | Silwood Park, England | ES |
| U.K. | Cupar, Scotland | SCC |
| U.K. | St. Andrews, Scotland | SCST |
| U.K. | St. David, Pembrokeshire, Wales | WD |

Mat family = maternal family of cloned plant

Off ID = offspring genotype of a maternal family

clone # = replicate clone for a genotype

scan rep # (1-2): Most spikes were scanned twice.

file # = unique scan number

wavelength 850

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wavelength 362

**Columns 2…..**

show the replicated scans for each clone per population, usually one spike per clone

**Sheets:**

Each sheet contains data from a different population. See above symbols.