Supplementary Table 1 - List of seed accessions utilized in the study of sequence variation in candidate fatty acid biosynthesis and metabolism genes. The 'improved2' sunflower lines were only assayed in the extended sequencing survey for three genes (see main text for details). Acronyms are used in figure 4.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Status | Collection locale | Plant ID | Acronym |
| Ames 14400 | Wild | Arizona | 649851 | AZ |
| Ann-1114 | Wild | Arkansas | 613727 | AR |
| A-1473 | Wild | Kansas | 413027 | KS |
| A-1572 | Wild | Mayo, Mexico | 413123 | MEX |
| A-1455 | Wild | Missouri | 413011 | MO |
| Ames 23238 | Wild | Ohio | 649853 | OH |
| Ames 23940 | Wild | South Dakota | 649854 | SD |
| Ann-646 | Wild | Tennessee | 435552 | TN |
| Havasupai | Primitive |  | 369358 | HAVA |
| Hidatsa | Primitive |  | 600721 | HID |
| Hopi | Primitive |  | 432504 | HOPI |
| Maiz Negro | Primitive |  | 650761 | NEG |
| Mandan | Primitive |  | 600717 | MAND |
| Seneca | Primitive |  | 369360 | SEN |
| RHA280 | Improved |  | 552943 | 280 |
| RHA801 | Improved |  | 599768 | 801 |
| cmsHA89 | Improved |  | 650572 | HA89 |
| Mennonite | Improved |  | 650650 | MENN |
| Pervenets | Improved |  | 483077 | PERV |
| VNIIMK 1646 | Improved |  | 650385 | VNII |
| HA234 | Improved2 |  | 599778 |  |
| HA316 | Improved2 |  | NSL 208764 |  |
| HA404 | Improved2 |  | 597368 |  |
| HA821 | Improved2 |  | 599984 |  |
| Mammoth | Improved2 |  | 476853 |  |
| RHA328 | Improved2 |  | NSL\_202284 |  |
| RHA358 | Improved2 |  | 531071 |  |
| RHA408 | Improved2 |  | 603989 |  |
| SF33 | Improved2 |  | INRA |  |
| SF230 | Improved2 |  | INRA |  |
| RHA426 | Improved2 |  | 617099 |  |
| VIR847 | Improved2 |  | 386230 |  |
| *H. petiolaris* | Outgroup | Texas | 435829 | PET |