Table S1. List of accessions.

Landraces. SP: Subpopulation based on STRUCTURE

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| --- | --- | --- | --- | --- | --- | --- |
| Accession | Country | SP | | Q | GenBank1 | Accession No |
| TRI 1667 | Albania | SP2 | 0.727 | | IPK | TRI 1667 |
| TRI 2100 | Albania | SP2 | 0.716 | | IPK | TRI 2100 |
| TRI 1671 | Albania | SP2 | 0.822 | | IPK | TRI 1671 |
| TRI 1313 | Bulgaria | SP2 | 0.706 | | IPK | TRI 1313 |
| TRI 7819 | Bulgaria | SP2 | 0.632 | | IPK | TRI 7819 |
| TRI 7821 | Bulgaria | SP2 | 0.633 | | IPK | TRI 7821 |
| 408-IV/61 | Bosnia & Herzegovina | SP2 | 0.685 | | NSGC | NSGC345409 |
| Moriborska | Bosnia & Herzegovina | SP2 | 0.647 | | VIR | 22915 |
| Ranka | Bosnia & Herzegovina | SP2 | 0.743 | | VIR | 38937 |
| TRI 10515 | Cyprus | Admixed |  | | IPK | TRI 10515 |
| TRI 10526 | Cyprus | SP3 | 0.500 | | IPK | TRI 10526 |
| TRI 10561 | Cyprus | Admixed |  | | IPK | TRI 10561 |
| TRI 10590 | Cyprus | SP1 | 0.661 | | IPK | TRI 10590 |
| TRI 10531 | Cyprus | SP3 | 0.502 | | IPK | TRI 10531 |
| Ali Ben Makhloul | Argelia | SP3 | 0.620 | | NSGC | NSGC48592 |
| Khalof | Argelia | SP3 | 0.545 | | NSGC | NSGC67492 |
| Mahon Demias | Argelia | SP1 | 0.997 | | NSGC | NSGC263419 |
| MG 17956 | Argelia | SP3 | 0.613 | | NSGC | NSGC470815 |
| MG 17999 | Argelia | SP2 | 0.853 | | NSGC | NSGC470851 |
| MG 18006 | Argelia | SP2 | 0.833 | | NSGC | NSGC470857 |
| MG 18013 | Argelia | SP1 | 0.997 | | NSGC | NSGC470864 |
| MG 18036 | Argelia | SP1 | 0.997 | | NSGC | NSGC470884 |
| MG 18049 | Argelia | SP1 | 0.996 | | NSGC | NSGC470895 |
| Bahatane | Argelia | SP3 | 0.629 | | CGN | CGN06035 |
| Krelof - A | Argelia | SP2 | 0.601 | | CGN | CGN11452 |
| Ble' du dahra-baal | Argelia | SP1 | 0.529 | | VIR | 16152 |
| Mahon 7295 | Argelia | SP1 | 0.655 | | ISC | T8801887 |
| Sachah | Egypt | SP2 | 0.680 | | CGN | CGN06369 |
| Gibson | Egypt | SP3 | 0.796 | | VIR | 21198 |
| Hauch | Egypt | SP3 | 0.655 | | VIR | 20204 |
| Hindiffino crible | Egypt | Admixed |  | | VIR | 21979 |
| Hindiffino non crible | Egypt | SP3 | 0.813 | | VIR | 21982 |
| Mokhtar | Egypt | SP1 | 0.992 | | VIR | 46124 |
| Hindi 62 | Egypt | SP3 | 0.562 | | ISC | T8801285 |
| Bladette de Besplas | France | SP2 | 0.712 | | NSGC | NSGC191706 |
| Ble Blanc de la Reole | France | SP2 | 0.765 | | NSGC | NSGC48199 |
| Mars Rouge Sans Barbe | France | SP2 | 0.546 | | NSGC | NSGC192398 |
| Touzelle Belle Abec | France | SP1 | 0.502 | | NSGC | NSGC191709 |
| Touzelle Blanche Barbu | France | SP2 | 0.765 | | NSGC | NSGC185381 |
| Touzelle Originario | France | Admixed |  | | NSGC | NSGC191708 |
| Touzelle Rouge de Provence | France | Admixed |  | | NSGC | NSGC184599 |
| Bladette de puylaurens | France | SP2 | 0.510 | | CGN | CGN05384 |
| Mouton a epi rouge | France | SP2 | 0.824 | | CGN | CGN05580 |
| Saisette | France | Admixed |  | | CGN | CGN05661 |
| TRI 14046 | France | SP2 | 0.768 | | IPK | TRI 14046 |
| TRI 17938 | France | SP2 | 0.766 | | IPK | TRI 17938 |
| TRI 1425 | Greece | SP2 | 0.556 | | IPK | TRI 1425 |
| TRI 1686 | Greece | SP1 | 0.548 | | IPK | TRI 1686 |
| TRI 17989 | Greece | Admixed |  | | IPK | TRI 17989 |
| TRI 2060 | Greece | SP1 | 0.582 | | IPK | TRI 2060 |
| TRI 2071 | Greece | Admixed |  | | IPK | TRI 2071 |
| TRI 2129 | Greece | SP2 | 0.524 | | IPK | TRI 2129 |
| 986 | Croatia | SP2 | 0.628 | | NSGC | NSGC264963 |
| Croatia 3 | Croatia | SP2 | 0.811 | | NSGC | NSGC11225 |
| Croatia 6 | Croatia | SP2 | 0.660 | | NSGC | NSGC11228 |
| Umarah | Iraq | SP1 | 0.517 | | CGN | CGN06462 |
| TRI 15277 | Iraq | SP3 | 0.988 | | IPK | TRI 15277 |
| TRI 15292 | Iraq | SP3 | 0.763 | | IPK | TRI 15292 |
| TRI 16079 | Iraq | SP3 | 0.987 | | IPK | TRI 16079 |
| TRI 16084 | Iraq | SP2 | 0.546 | | IPK | TRI 16084 |
| TRI 11548 | Iraq | SP3 | 0.774 | | IPK | TRI 11548 |
| TRI 16080 | Iraq | SP3 | 0.990 | | IPK | TRI 16080 |
| TRI 11528 | Iraq | SP3 | 0.980 | | IPK | TRI 11528 |
| TRI 16063 | Iraq | SP3 | 0.984 | | IPK | TRI 16063 |
| TRI 8358 | Iraq | SP3 | 0.851 | | IPK | TRI 8358 |
| CGN06182 | Israel | SP1 | 0.610 | | CGN | CGN06182 |
| CGN06204 | Israel | SP1 | 0.609 | | CGN | CGN06204 |
| CGN04191 | Israel | Admixed |  | | CGN | CGN04191 |
| Palestinskaya | Israel | Admixed |  | | VIR | 15818 |
| 17310 | Israel | SP1 | 0.595 | | VIR | 17310 |
| Cappellina | Italy | SP2 | 0.544 | | IPK | TRI 13007 |
| TRI 15321 | Italy | SP1 | 0.669 | | IPK | TRI 15321 |
| TRI 14055 | Italy | SP2 | 0.632 | | IPK | TRI 14055 |
| TRI 15226 | Italy | Admixed |  | | IPK | TRI 15226 |
| TRI 16900 | Italy | SP2 | 0.883 | | IPK | TRI 16900 |
| TRI 16895 | Italy | SP3 | 0.986 | | IPK | TRI 16895 |
| TRI 14842 | Italy | SP1 | 0.509 | | IPK | TRI 14842 |
| Solina | Italy | SP2 | 0.564 | | IPK | TRI 13424 |
| TRI 15219 | Italy | Admixed |  | | IPK | TRI 15219 |
| TRI 14173 | Italy | SP2 | 0.856 | | IPK | TRI 14173 |
| TRI 16516 | Italy | SP2 | 0.888 | | IPK | TRI 16516 |
| Cappelli | Italy | SP1 | 0.669 | | IPK | TRI 16574 |
| 25 | Jordan | SP3 | 0.739 | | NSGC | NSGC420932 |
| Dorziyeh Karak - B | Jordan | SP3 | 0.669 | | NSGC | NSGC283147 |
| SY 271 | Jordan | Admixed |  | | NSGC | NSGC487289 |
| 17411 | Jordan | SP1 | 0.614 | | VIR | 17411 |
| Beyrouth 11 | Lebanon | SP3 | 0.839 | | NSGC | NSGC278531 |
| Beyrouth 3 | Lebanon | SP2 | 0.676 | | NSGC | NSGC278533 |
| Salamouni | Lebanon | SP3 | 0.797 | | NSGC | NSGC182673 |
| TRI 17974 | Libya | Admixed |  | | IPK | TRI 17974 |
| TRI 14643 | Libya | SP3 | 0.753 | | IPK | TRI 14643 |
| TRI 14668 | Libya | SP3 | 0.699 | | IPK | TRI 14668 |
| Canivano | Morocco | SP1 | 0.909 | | CGN | CGN06294 |
| Fez 2 | Morocco | SP1 | 0.997 | | CGN | CGN06049 |
| Recio | Morocco | SP1 | 0.845 | | CGN | CGN06292 |
| CGN04157 - A | Morocco | Admixed |  | | CGN | CGN04157 |
| CGN04158 | Morocco | SP1 | 0.937 | | CGN | CGN04158 |
| CGN06246 | Morocco | SP1 | 0.791 | | CGN | CGN06246 |
| CGN06247 | Morocco | SP1 | 0.902 | | CGN | CGN06247 |
| CGN06248 | Morocco | SP1 | 0.996 | | CGN | CGN06248 |
| CGN06252 | Morocco | SP1 | 0.997 | | CGN | CGN06252 |
| CGN06255 | Morocco | SP1 | 0.997 | | CGN | CGN06255 |
| CGN06260 | Morocco | Admixed |  | | CGN | CGN06260 |
| CGN06264 | Morocco | SP1 | 0.930 | | CGN | CGN06264 |
| CGN06266 | Morocco | Admixed |  | | CGN | CGN06266 |
| CGN06269 | Morocco | SP1 | 0.628 | | CGN | CGN06269 |
| CGN06271 | Morocco | Admixed |  | | CGN | CGN06271 |
| CGN06284 | Morocco | Admixed |  | | CGN | CGN06284 |
| CGN06297 | Morocco | SP1 | 0.722 | | CGN | CGN06297 |
| TRI 18287 | Morocco | SP1 | 0.644 | | IPK | TRI 18287 |
| TRI 18291 | Morocco | SP1 | 0.844 | | IPK | TRI 18291 |
| TRI 18308 | Morocco | SP1 | 0.535 | | IPK | TRI 18308 |
| 309-VII/33 | Makedonia | SP2 | 0.957 | | NSGC | NSGC345309 |
| 340-VII/45 | Makedonia | SP2 | 0.682 | | NSGC | NSGC345340 |
| VII/1-B | Makedonia | SP2 | 0.958 | | NSGC | NSGC362589 |
| Stara bela | Makedonia | SP2 | 0.958 | | CGN | CGN04172 |
| Magueija | Portugal | SP2 | 0.720 | | CRF | BGE012669 |
| Santareno | Portugal | SP2 | 0.521 | | CRF | BGE011900 |
| Temporao de coruche | Portugal | SP2 | 0.536 | | CRF | BGE012846 |
| Tremes branco | Portugal | SP1 | 0.822 | | CRF | BGE012703 |
| Bistra | Romania | SP2 | 0.663 | | Suceava | SVGB5538 |
| Pades | Romania | SP2 | 0.649 | | Suceava | SVGB7916 |
| Solonetu nou | Romania | SP2 | 0.907 | | Suceava | SVGB14976 |
| SVGB10195 | Romania | SP2 | 0.876 | | Suceava | SVGB10195 |
| Raton de Belalcazar | Spain | SP1 | 0.506 | | CRF | BGE011825 |
| Cabezorro | Spain | SP1 | 0.526 | | CRF | BGE011882 |
| Negrete de Cañaveras | Spain | SP2 | 0.462 | | CRF | BGE012132 |
| Pelon blanco | Spain | Admixed |  | | CRF | BGE012196 |
| Chamorro de Villadiego | Spain | SP2 | 0.521 | | CRF | BGE012205 |
| Blat petit de Olot | Spain | SP1 | 0.532 | | CRF | BGE012870 |
| Candeal | Spain | SP2 | 0.500 | | CRF | BGE012392 |
| Isla de Fuerteventura | Spain | SP2 | 0.434 | | CRF | BGE013760 |
| Hembrilla de Jerga | Spain | SP2 | 0.572 | | CRF | BGE018232 |
| Extremo Sur Argelino | Spain | SP2 | 0.778 | | CGN | CGN05749 |
| Xeixa Tarragona | Spain | SP1 | 0.539 | | CRF | BGE018242 |
| 41-II/4-B | Serbia | SP2 | 0.710 | | NSGC | NSGC345043 |
| Crvenica | Serbia | SP2 | 0.710 | | NSGC | NSGC184168 |
| Piskulja | Serbia | SP2 | 0.958 | | NSGC | NSGC184188 |
| Legan bez osja | Serbia | SP2 | 0.669 | | VIR | 38803 |
| 401 | Syria | SP1 | 0.531 | | NSGC | NSGC94569 |
| Aleppo 21 | Syria | Admixed |  | | NSGC | NSGC278540 |
| Aleppo 28 | Syria | SP3 | 0.908 | | NSGC | NSGC278545 |
| Aleppo 32 | Syria | SP3 | 0.995 | | NSGC | NSGC278547 |
| Aleppo 33 | Syria | SP3 | 0.994 | | NSGC | NSGC278548 |
| Damaskus 12 | Syria | SP3 | 0.942 | | NSGC | NSGC278537 |
| Damaskus 8 | Syria | SP1 | 0.548 | | NSGC | NSGC278536 |
| K1140 | Syria | Admixed |  | | NSGC | NSGC253959 |
| Kaundouhari | Syria | SP3 | 0.991 | | NSGC | NSGC182711 |
| TRI 8375 | Syria | SP1 | 0.694 | | IPK | TRI 8375 |
| Salamuni - A | Syria | Admixed |  | | VIR | 17172 |
| Allorca | Tunisia | SP2 | 0.654 | | CGN | CGN05358 |
| Sbei noir | Tunisia | SP1 | 0.973 | | CGN | CGN06378 |
| TRI 17006 | Tunisia | SP3 |  | | IPK | TRI 17006 |
| TRI 17002 | Tunisia | Admixed |  | | IPK | TRI 17002 |
| Florence 193 | Tunisia | SP2 | 0.717 | | ISC | T8800968 |
| 763 | Turkey | Admixed |  | | NSGC | NSGC119302 |
| 1170 | Turkey | Admixed |  | | NSGC | NSGC119309 |
| 811 (B) | Turkey | SP3 | 0.746 | | NSGC | NSGC119305 |
| 1552 | Turkey | SP2 | 0.843 | | NSGC | NSGC119325 |
| 2103 | Turkey | SP3 | 0.800 | | NSGC | NSGC119348 |
| 2933 | Turkey | SP3 | 0.990 | | NSGC | NSGC119366 |
| 2936 | Turkey | SP3 | 0.867 | | NSGC | NSGC119369 |
| Edirne | Turkey | SP3 | 0.990 | | NSGC | NSGC111244 |
| Gemir - B | Turkey | SP3 | 0.991 | | NSGC | NSGC166257 |
| Kirmizi kiluk - A | Turkey | SP3 | 0.991 | | NSGC | NSGC165149 |
| Ormece | Turkey | SP3 | 0.684 | | NSGC | NSGC166545 |
| Saribasak | Turkey | SP3 | 0.986 | | NSGC | NSGC165146 |
| T-317 | Turkey | SP2 | 0.552 | | NSGC | NSGC109368 |
| Yazlik | Turkey | SP3 | 0.991 | | NSGC | NSGC165115 |
| Yumusak | Turkey | SP3 | 0.980 | | NSGC | NSGC165160 |