

**Table S2.** Heterozygosity proportion per taxa estimated for 5255 SNPs

| Heterozygosity<br>proportion | Taxa                                                                                                                                                                                                                                                                                     |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.02                         | Pilgrim                                                                                                                                                                                                                                                                                  |
| 0.21                         | Liberty, Ascorba, Elliot, Toro, Dixi, Pacific, Goldtrabue71                                                                                                                                                                                                                              |
| 0.22                         | Blueray, Cosmopolitan, Atlantic, Northcountry, Chandler, LateBlue, Herbert,<br>Elizabeth, Camellia, Denise Blue, Polaris, Star, Berkeley, Brigitta, Croatan,<br>Chippewa, Reka, Jersey, Aurora, Rubel, Aron, Bluecrop, Northblue, Duke,<br>Ivanhoe, Blueone, Mondo, Burlington, Roxyblue |
| 0.23                         | Horblue Poppins, Newhanover, Cipria, Concord, Northland, Rebel, Blueribon,<br>Paloma, Biloki, Collins, Earliblue, Cargo, Palmetto, Patriot, Topself, Bluegold,<br>Bluetta, Jubilie, Sharpblue, O´Neal, Draper, Spartan                                                                   |
| 0.24                         | Nui, Sunshineblue, Legacy, Misty, Ozarkblue, Bluepearl                                                                                                                                                                                                                                   |
| 0.25                         | Centrablue                                                                                                                                                                                                                                                                               |
| 0.26                         | Columbus                                                                                                                                                                                                                                                                                 |
| 0.27                         | Ochlockonee, Skyblue                                                                                                                                                                                                                                                                     |
| 0.28                         | Powderblue                                                                                                                                                                                                                                                                               |