

## Supplementary material

# Screening and Evaluation of Excellent Blackberry Cultivars and Strains Based on Nutritional Quality, Antioxidant Properties, and Genetic Diversity

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**Table S1.** SSR fingerprint codes of the 23 blackberry cultivars or strains

Cultivars/strains	SSR fingerprint code
Hull	A185-195-205 B155-160-175 C145-175-180-185
Chester	A185-190-195-205 B155-160 C140-145-165-185
Kiowa	A185-190-195 B150-180 C140-165-175
Boysen	A185-190-195-210 B120-130-140-150-160-180 C145-165-180-185
Young	A185-190 B120-130-140-155-160-175 C145-165-170-175
10-5n-2	A185-190-195-205 B150-160-180 C140-165-185
Zaohei	A185-190-195 B150-180-210 C140-165-175
Shuofeng	A185-190-195-205 B150-175 C140-165-175-185
Ningzhi 3	A185-190-195 B155-175-210 C145-175
Ningzhi 1	A185-190-195-210 B120-130-140-150-160-180 C145-165-180-185
Ningzhi 2	A185-190-195 B155 C145-175
Arapaho	A185-190 B150-210 C145-175-180
Black Butte	A195-205 B140-150-175-180 C145-170-175
Brazos	A185-190-195 B150-175-180-210 C145-165
Comanche	A190-195 B150-210 C145-165
Triple Crown	A185-190-195-205 B160-210 C140-145
Shawnee	A185-190 B150-180-210 C145-165
Traveler	A190-195-205 B150-180 C145-165
Shuofeng 2	A185-190-200 B160 C165-185
7-7-4	A185-190-195-200-205 B150-175 C140-165-185

Choctaw

A185-190 B150-180-210 C140-165

Navaho

A185-190 B155-175-180 C140-145-170-180

Wanfeng

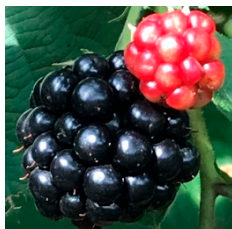
A185-190-195-205 B150-175 C140-165-185

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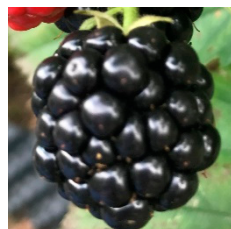
Note: A, B, C represent the marker P21, P31 and P59 respectively.



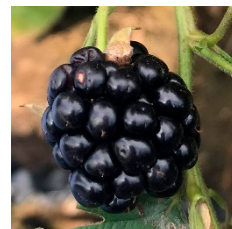
Hull



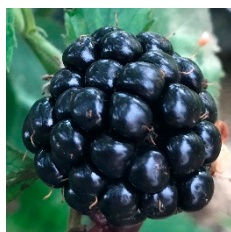
Chester



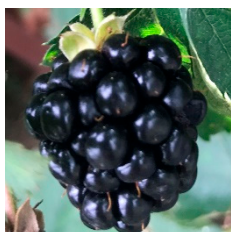
Ningzhi 2



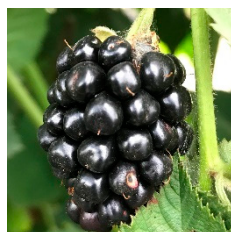
Triple Crown



Ningzhi 3



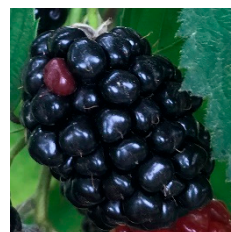
Arapaho



Shuofeng

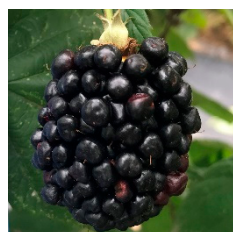


Wanfeng

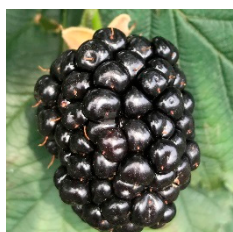


7-7-4

(a)



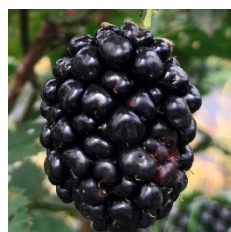
Kiowa



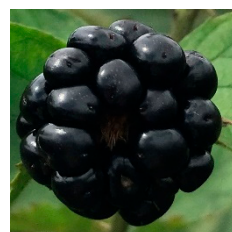
Zaohei



10-5n-2



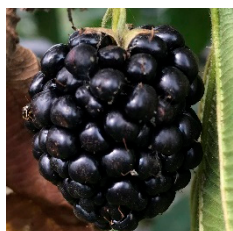
Brazos



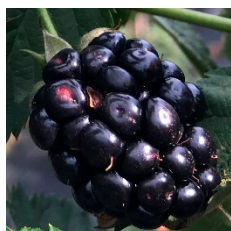
Comanche



Shawnee



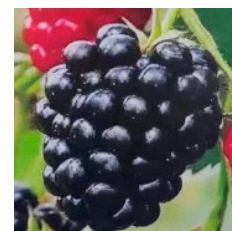
Choctaw



Navaho



Traveler



Shoufeng 2

(b)



Boysen



Ningzhi 1



Young



Black Butte

(c)

**Figure. S1.** Images of the fruits of the three genotypes, (a) refers to S1 group. (b) refers to S2 group. (c) refers to S3 group.