

表 2 不同海拔产生的水稻雄配子体基因型选择群体的 3 个质量性状 χ^2 检验

Table 2 Chi-square test of three qualitative traits of rice male gametophyte genotype selecting population generated at different altitude

| 群体 PP | 海拔(m) AL (m) | 样本 N | 颖尖色 TC | | | 颖壳色 GC | | | 芒 TA | | |
|----------|-----------------|---------|--------------------|---------------------|------------------------------|-------------------|---------------------|------------------------------|----------------|-----------------|------------------------------|
| | | | 白色(%) White (%) | 紫色(%) Purple (%) | χ^2 值 χ^2 value | 白色(%) White(%) | 紫色(%) Purple (%) | χ^2 值 χ^2 value | 无(%) No (%) | 有(%) Yes (%) | χ^2 值 χ^2 value |
| | | | | | | | | | | | |
| | 2 200 | 146 | 70(47.95) | 76(52.05) | 0.17 | 95(65.07) | 51(34.93) | 12.66** | 138(94.52) | 8(5.48) | 113.98** |
| 群体 | 1 860 | 158 | 74(46.84) | 84(53.16) | 0.51 | 95(60.13) | 63(39.87) | 6.08* | 156(98.73) | 2(1.27) | 148.16** |
| NX | 1 250 | 121 | 35(28.93) | 86(71.07) | 14.75** | 49(40.50) | 72(59.50) | 4.37* | 110(90.91) | 11(9.09) | 79.37** |
| | 2 200 | 137 | 87(63.50) | 50(36.50) | 9.46** | 88(64.23) | 49(35.77) | 10.54** | 128(93.43) | 9(6.57) | 101.64** |
| 群体 | 1 860 | 172 | 98(56.98) | 74(43.02) | 3.33 | 107(62.21) | 65(37.79) | 9.77** | 166(96.51) | 6(3.49) | 147.98** |
| XN | 1 250 | 115 | 50(43.48) | 65(56.52) | 0.31 | 61(53.04) | 54(46.96) | 0.87 | 102(88.70) | 13(11.30) | 67.34** |

注: PP: 群体; TC: 颖尖色; GC: 谷壳色; TA: 顶芒; NX: 合系 42A//南 34/小麻谷 群体; XN: 合系 42A//小麻谷/南 34 群体; $\chi^2_{0.05, 1}=3.84$, $\chi^2_{0.01, 1}=6.63$

Note: PP: Population; TC: Glume tip color; GC: Glume color; TA: Tip awn; NX: Hexi 42A//Nan 34/Xiaomagu population; XN: Hexi 42A//Xiaomagu/Nan 34 population; $\chi^2_{0.05, 1}=3.84$, $\chi^2_{0.01, 1}=6.63$