

表 1 植物 VACVase-like 的氨基酸组成及的理化性质

Table 1 Analysis of amino acid composition and physical/chemical properties VACVase-like in plants

| 物种 Species | 登录号 Accession Number | 氨基酸数目 Number Of Amino Acid(aa) | 分子量/Kda Molecular Weight | 等电点 PI | 脂肪系数 Aliphatic Index | 不稳定指数 % Instability Index | 总平均 疏水性 GRAVY |
|--|----------------------------|---|--------------------------------|-----------|----------------------------|------------------------------------|---------------------|
| 蓖麻 (<i>Ricinus communis</i>) | XP_002518 915 | 476 | 53.6315 | 9.24 | 90.88 | 42.58 | -0.056 |
| 黄瓜 (<i>Cucumis sativus</i>) | XP_004143 839 | 476 | 53.1421 | 8.80 | 89.68 | 51.30 | -0.005 |
| 葡萄(<i>Vitis vinifera</i>) | XP_002279 898 | 476 | 53.6583 | 8.95 | 94.39 | 45.24 | 0.003 |
| 可可树 (<i>Theobroma cacao</i>) | EOY23882 | 477 | 53.9791 | 8.92 | 97.42 | 38.81 | 0.012 |
| 毛果杨 (<i>Populus trichocarp a</i>) | XP_002304 581 | 476 | 53.6331 | 8.95 | 93.95 | 42.86 | -0.039 |
| 桃(<i>Prunus persica</i>) | EMJ10313 | 463 | 52.3940 | 9.18 | 93.26 | 40.18 | -0.033 |
| 草莓 (<i>Fragaria vesca</i>) | XP_004309 537 | 460 | 52.1154 | 8.75 | 89.39 | 44.84 | 0.003 |
| 大豆 (<i>Glycine max</i>) | XP_003535 395 | 490 | 54.9286 | 8.92 | 93.08 | 44.69 | -0.020 |
| 鹰嘴豆 (<i>Cicer arietinum</i>) | XP_004495 509 | 489 | 55.6315 | 9.14 | 89.08 | 45.23 | -0.130 |
| 番茄 (<i>Solanum lycopersicu m</i>) | XP_004244 657 | 470 | 53.6283 | 8.91 | 97.21 | 48.04 | -0.020 |
| | XP_004245 454 | 449 | 50.5747 | 8.75 | 91.40 | 43.26 | -0.020 |
| 拟南芥 (<i>Arabidopsi s thaliana</i>) | NP_194145 | 498 | 56.2111 | 9.10 | 92.37 | 45.05 | -0.128 |
| | AT1G64670 | 469 | 53.4278 | 9.30 | 88.04 | 41.52 | -0.149 |
| 甜瓜 (<i>cucumis melo</i>) | MELO3C00 5787P1 | 458 | 51.4422 | 8.65 | 90.85 | 48.59 | -0.021 |
| | MELO3C00 9679P1 | 398 | 44.7561 | 6.86 | 84.52 | 43.87 | -0.181 |
| 人(<i>Homo sapiens</i>) | NP_004323 | 291 | 32.5425 | 9.20 | 88.83 | 25.06 | -0.242 |