|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| organisms | gene | Sequenc ID | AA length | PI |
| *Physcomitrella patens* | PpBURP1 | Pp1s204\_70V6.1 | 348 | 5.91 |
| PpBURP2 | Pp1s374\_47V6.1 | 350 | 8.72 |
| PpBURP3 | Pp1s298\_14V6.1 | 342 | 5.93 |
| PpBURP4 | Pp1s81\_232V6.1 | 396 | 5.83 |
| PpBURP5 | Pp1s7\_236V6.1 | 340 | 5.95 |
| PpBURP6 | Pp1s56\_133V6.1 | 337 | 4.99 |
| PpBURP7 | Pp1s26\_27V6.1 | 190 | 5.90 |
| PpBURP8 | Pp1s281\_126V6.1 | 413 | 5.02 |
| PpBURP9 | Pp1s15\_23V6.1 | 391 | 5.50 |
| *Selaginella moellendorffii* | SmPG1 | XP\_024528164.1 | 285 | 6.08 |
| SmPG2 | XP\_024536418 | 294 | 6.98 |
| SmPG3 | XP\_002962118.2 | 304 | 8.86 |
| SmPG4 | XP\_024515919.1 | 597 | 7.00 |
| SmPG5 | XP\_024538407 | 283 | 8.63 |
| SmPG6 | XP\_024514723.1 | 641 | 6.84 |

Supplementary Table 1 Basic information of the BURP proteins in moss and spikemoss