**Supplementary Table 1:** Percent identity of UVI31+ with BolA-like proteins from other organisms

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Organsim** | **% Identity** | **Length (aa)** | **Accession number** |
| 1  | *C. reinhardtii* | 100  | 100  | XP\_001702905  |
| 2  | *C. albicans* | 48  | 121  | XP\_722220  |
| 3  | *A. clavatus* | 43  | 134  | XP\_001272395  |
| 4  | *S. cerevisiae* | 42  | 110  |  NP\_075206  |
| 5  | *T. thermophila* | 42  | 117  | XP\_001471032  |
| 6  | *S. pombe* | 40  | 102  | CAB\_16898.1 |
| 7  | *A. fumigatus* | 40  | 135  | XP\_746780  |
| 8  | *O. sativa* | 37  | 102  | ABR\_25678  |
| 10  | *R. norvegicus* | 36  | 137  | NP\_001065244  |
| 11  | *M. musculus* | 36  | 137  | NP\_081251  |
| 12  | *B. melitensis* | 36  | 102  | NP\_538963  |
| 13  | *H. sapiens* | 35  | 137  | AAH\_63405  |
| 14  | *B. taurus* | 35  | 135  | NP\_001029524  |
| 15  | *E. coliK12* | 27  | 105  |  NP\_414969  |