|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Sub Complex** | **Query** | **Protein ID****(SHOxxxxx.x)** | **% Identity** | **E- value** | **Query coverage** |
| **Outer kinetochore** | **Dam1 complex** | **Ask1** | 79565.1 | 27.4 | 4.84e-22 | 65.64 |
| **Dad1** | 75772.1 | 47.1 | 4.44e-01 | 27.36 |
| **Dad2\*** | 79986.1 | 40 | 9.9e-23 | 82.89 |
| **Dad3** | 77770.1 | 42.5 | 3.62e-10 | 78.75 |
| **Dad4** | 79701.1 | 39.1 | 1.24e-09 | 95.83 |
| **Dam1** | 79667.1 | 43.7 | 6.44e-08 | 45.45 |
| **Duo1** | 76611.1 | 27.4 | 1.19e-04 | 17.63 |
| **Spc19** | ND |
| **Spc34** | ND |
| **Hsk3\*** | 77065.1 | 41.9 | 1.6e-15 | 92.68 |
| **Ndc80 complex** | **Ndc80** | 79901.1 | 25.6 | 1.15e-36 | 80.33 |
| **Nuf2** | 78898.1 | 25.8 | 7.64e-14 | 74.59 |
| **Spc24** | ND |
| **Spc25** | 78263.1 | 25.8 | 1.1e-07 | 42.18 |
| **Mis12 complex** | **Mis12** | 76526.1 | 25.1 | 5.67e-09 | 70.91 |
| **Dsn1** | 78762.1 | 24.4 | 3.94e-08 | 24.05 |
| **Nnf1\*** | 77715.1 | 40.8 | 2.10E-19 | 35.9 |
| **Nsl1\*** | 79581.1 | 28.3 | 1.68E-06 | 42 |
| **KNL1** | **Spc105** | 75936.1 | 19.9 | 5.36e-11 | 40.59 |
| **Inner kinetochore** | **Constitutive Centromere Associated Network (CCAN)** | **Cnn1/Wip1/****Mhf1/Mhf2** | ND |
| **Mcm16/Mcm22/****Ctf3** | ND |
| **Okp1/Ame1/****Ctf19/Mcm21** | ND |
| **Chl4/Iml3** | ND |
| **CENP-C** | **Mif2** | 79930.1 | 35.8 | 5.77e-29 | 22.67 |
| **CENP-A** | **Cse4** | 76408.1 | 70.8 | 2.77e-46 | 66.67 |
| **Point CEN specific complex** | **CBF3 complex** | **Ndc10** | ND |
| **Cep3** | ND |
| **Ctf13** | ND |

**Figure 2- figure supplement 1. Identification of kinetochore proteins in *M. sympodialis*****by BLAST.**

Putative homologs of the indicated proteins in *M. sympodialis* were identified by BLAST analysis using corresponding protein sequences of *C. neoformans* as the query. Asterisk (\*) indicates cases where corresponding protein sequences from *Ustilago maydis* were used as query. To detect proteins of the CBF3 complex, protein sequences of Ndc10, Cep3, and Ctf13 from *S. cerevisiae* were used as query. ‘n.d.’ indicates homolog not detected.