**Table S3. Putative interacting proteins for Fbx15 and SconB.** Putative interaction partners of *A. fumigatus* Fbx15 and SconB, which were co-purified with TAP-tagged versions of Fbx15 and SconB in either wild type or mutated form Fbx15[P12S]/SconB[P200S]. Criteria for interacting proteins was that they had to appear at least twice in two independent purifications for each F-box protein. An exception is CulA which was found only once for SconB, indicated with an asterisk. Amount of independent co-purifications are given. Proteins, which were identified for both F-box proteins are bold.

|  |  |  |
| --- | --- | --- |
| ***A. fumigatus*** | **Protein description** | **Co-purified with:** |
|  |  | **Fbx15** | **Fbx15 [P12S]** | **SconB** | **SconB [P200S]** |
| **SCF-subunits & related proteins** |  |  |  |  |
| **AFUA\_1G12960 (CulA)** | **SCF ubiquitin ligase subunit** | **3** | **3** | **1\*** | **-** |
| **AFUA\_5G06060 (SkpA)** | **SCF ubiquitin ligase subunit** | **3** | **2** | **2** | **2** |
| **AFUA\_4G10350 (UbiD)** | **Polyubiquitin** | **1** | **2** | **1** | **1** |
| **AFUA\_4G10780 (Tom1)** | **ubiquitin-protein ligase** | **1** | **1** | **1** | **1** |
| AFUA\_8G05500 (CsnD) | COP9 signalosome subunit | 3 | - | - | - |
| AFUA\_5G07260 (CsnF) | COP9 signalosome subunit | 2 | - | - | - |
| AFUA\_4G12630 (CsnG) | COP9 signalosome subunit | 3 | - | - | - |
| **Transcription factors & nuclear proteins** |  |  |  |  |
| AFUA\_3G09670 (OefC) | C6 transcription factor | 1 | 1 | - | - |
| AFUA\_4G03460 (SrbB) | bHLH transcription factor, involved in hypoxia and virulence | 1 | 1 | - | - |
| AFUA\_4G04720 (Nic96) | nuclear pore protein | 0 | 2 | - | - |
| AFUA\_4G08930 | Putative nucleolar GTPase (Nog2p) | 1 | 1 | - | - |
| AFUA\_2G11840 (SsnF) | Transcriptional corepressor (Ssn6p) | 1 | 1 | - | - |
| **AFUA\_6G05150 (RcoA)** | **Transcriptional corepressor (Tup1p)** | **1** | **1** | **-** | **2** |
| **AFUA\_5G11390** | **APSES transcription factor, putative** | **2** | **3** | **1** | **2** |
| **AFUA\_2G06140** | **uracil DNA N-glycosylase activity, DNA repair** | **1** | **1** | **1** | **1** |
| **AFUA\_5G07890** | **single-stranded DNA binding protein (Rim1p)** | **3** | **1** | **1** | **1** |
| AFUA\_4G06530 (MetR) | bZIP transcription factor (Met4p) | - | - | - | 2 |
| AFUA\_6G09930 (Yap1) | bZIP transcription factor, putative (Yap1p) | - | - | 1 | 2 |
| **RNA processing** |  |  |  |  |
| AFUA\_3G06440 | Splicing factor with U2 snRNP localization (Prp21p) | 1 | 2 | - | - |
| AFUA\_5G04420 | Splicing factor with U2 snRNP localization (Cus1p) | 1 | 1 | - | - |
| AFUA\_6G08610 | RNA trimethylguanosine synthase, role in 7-methylguanosine cap hypermethylation (Tgs1p) | 2 | - | - | - |
| AFUA\_5G09670 | RNase III domain protein | 1 | 1 | - | - |
| AFUA\_7G05810 | Putative ribonucleoprotein, nucleic acid binding (Mrd1p) | 1 | 1 | - | - |
| AFUA\_2G04940 | mRNA binding, role in telomere maintenance (Pbp2p) | - | - | 1 | 1 |
| AFUA\_6G04330 | RNA helicase, maturation of SSU-rRNA (Ecm16p) | - | - | 1 | 1 |
| **Ribosomal proteins** |  |  |  |  |
| AFUA\_1G05990 | 60S ribosomal protein (Rpl16Ap) | 2 | 1 | - | - |
| AFUA\_2G04130 | 40S ribosomal protein (Rps11A) | 2 | 1 | - | - |
| AFUA\_2G01830 | Protein with putative ribosomal activity | 1 | 1 | - | - |
| **Signal-transduction** |  |  |  |  |
| AFUA\_1G11730 (ArfA) | GTPase activity, role in ER/Golgi transport  | 1 | 1 | - | - |
| AFUA\_2G07600 | GTP binding, signal recognition activity | 1 | 1 | - | - |
| AFUA\_6G07980 (NimX) | Cyclin-dependent serine/threonine kinase  | 1 | 1 | - | - |
| **AFUA\_6G06750** | **14-3-3 family protein; predicted gene pair with ArtA** | **2** | **1** | **-** | **2** |
| AFUA\_2G03290 (ArtA) | 14-3-3 family protein; predicted gene pair with AFUA\_6G06750 | - | - | 1 | 2 |
| AFUA\_3G09550 (CmkB) | Calcium/calmodulin dependent protein kinase | - | - | - | 2 |
| AFUA\_5G04130 (PhoA) | Putative cyclin-dependent protein kinase | - | - | 1 | 2 |
| **Metabolic enzymes** |  |  |  |  |
| AFUA\_1G12800 | Putative NADPH isocitrate dehydrogenase (Idh2p) | 1 | 1 | - | - |
| AFUA\_2G04520 | Protein with metal ion binding domains, oxidoreductase activity (Adh4p) | 1 | 1 | - | - |
| AFUA\_2G10920 (EchA) | Putative enoyl-CoA hydratase/isomerase family protein, role in beta oxidation of fatty acids  | 1 | 1 | - | - |
| AFUA\_3G08660 (IdpA) | Putative isocitrate dehydrogenase  | 1 | 1 | - | - |
| AFUA\_6G10660 (AclA) | Putative ATP citrate lyase subunit  | 2 | - | - | - |
| **AFUA\_3G11070 (PdaC)** | **Putative pyruvate decarboxylase**  | **1** | **1** | **1** | **1** |
| AFUA\_1G06960 | Pyruvate dehydrogenase complex subunit alpha (Pda1p) | - | - | 1 | 1 |
| AFUA\_1G15640 | Domains with predicted carbon-sulfur lyase activity | - | - | 1 | 1 |
| **Fungal morphology** |  |  |  |  |
| AFUA\_4G08770 | Protein with putative microtubule binding activity | 2 | 1 | - | - |
| **AFUA\_5G03080 (AspC)** | **Septin, role in cell polarity and hyphal growth**  | **2** | **2** | **1** | **1** |
| AFUA\_1G08850 (AspD) | Septin, localizes to long tubular structures within hyphae and to newly formed septa  | - | - | 1 | 2 |
| **Unknown function** |  |  |  |  |
| AFUA\_1G09610 | Conserved hypothetical protein | 2 | 1 | - | - |
| AFUA\_3G13930 | Conserved hypothetical protein | 2 | 1 | - | - |
| AFUA\_2G10860 | Domains with predicted zinc ion binding activity | - | - | 1 | 1 |