**Table S6**: The 3 prediction of FGSG\_09715, FGSG\_07251 and FGSG\_10066 as predicted virulence proteins on the basis of links to 7 seeds. Annotation is from FGDB at MIPS.

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| --- | --- | --- | --- |
| **Predicted virulence protein (and MIPS annotation)** | **Seeds on which the prediction is based with phenotype [], and MIPS annotation; Phenotype symbols are rv=reduced virulence, lp=loss of pathogenicity** | | |
| **Linked by predicted PPI** | **Linked by co-expression** | **Linked by sequence similarity** |
| **FGSG\_09715** probable carbon repressor protein 1 |  | **FGSG\_06071** [lp] conserved hypothetical protein | **FGSG\_07928** [rv] related to transcription factor RGM1  **FGSG\_08617** [rv] related to zinc finger protein  **FGSG\_01022** [rv] related to metalloregulatory protein  **FGSG\_01350** [rv] related to zinc finger protein crol gamma  **FGSG\_06871** [rv] related to cutinase G-box binding protein  **FGSG\_01341** [rv] related to calcineurin responsive zinc-finger protein |
| **FGSG\_07251** PKAC probable cAMP-dependent protein kinase | **FGSG\_13746** [rv] related to NOT3 - general negative regulator of transcription, subunit 3  **FGSG\_09908** [rv] probable cAMP-dependent protein kinase regulatory chain (mcb)  **FGSG\_08572** [lp] related to GDP/GTP exchange factor Rom2p  **FGSG\_09197** [rv] probable 3-hydroxy-3-methylglutaryl-coenzyme A reductase |  | **FGSG\_09897** [rv] probable serine/threonine protein kinase (SNF1)  **FGSG\_06385** [lp] FMK1 pathogenicity MAP kinase 1  **FGSG\_10313** [rv] MGV1 MAP kinase   |  | | --- | |  | |
| **FGSG\_10066** probable casein kinase I cki2 | **FGSG\_10384** [rv] probable MBP1 - transcription factor, subunit of the MBF factor  **FGSG\_10313** [rv] MGV1 MAP kinase  **FGSG\_09903** [lp] FST7 probable MAP kinase kinase  **FGSG\_06385** [lp] FMK1 pathogenicity MAP kinase 1 | **FGSG\_01964** [rv] probable chitin synthase  **FGSG\_15914** [rv] probable chitin synthase  **FGSG\_09928** [rv] GzSYN2 related to putative snare protein syn |  |