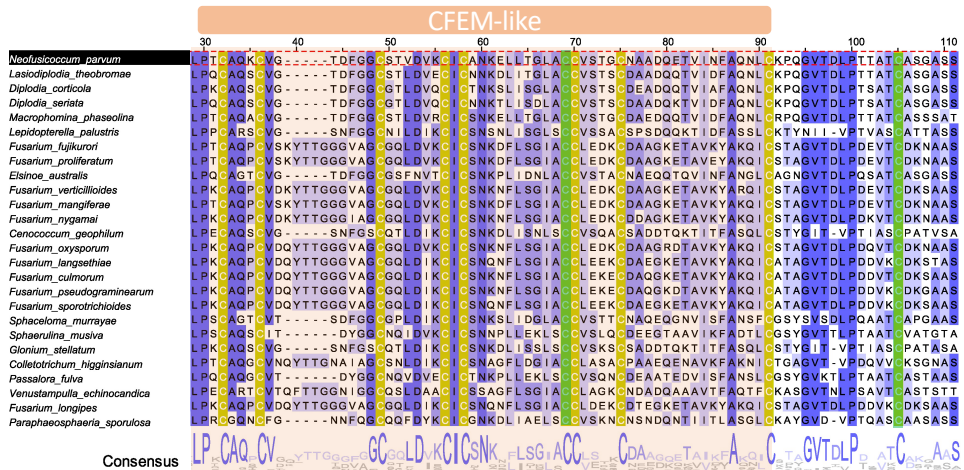
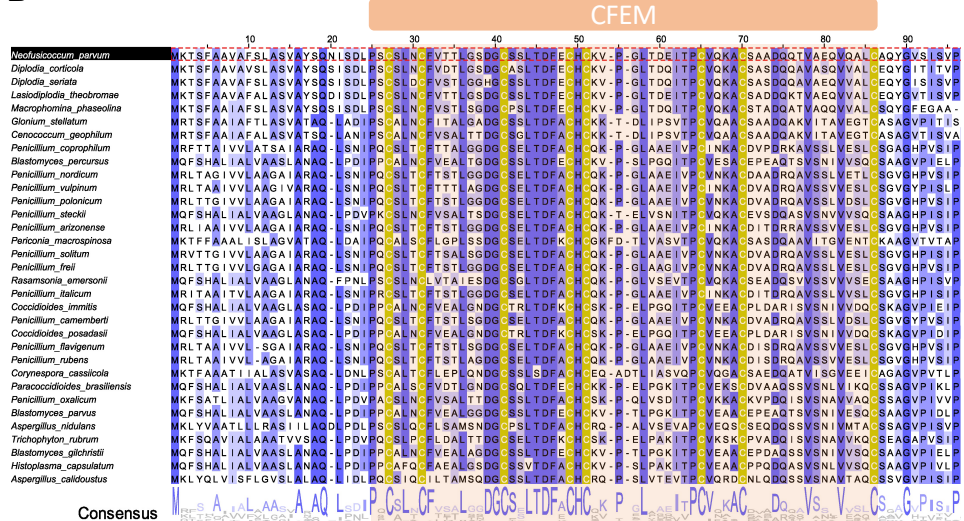


A**B****Figure S6. Multiple-sequence alignment of NpCysRPs and other orthologous sequences.**

A. NpCysRP4, **B.** NpCysRP5. Partial protein sequences were aligned using Jalview software and the Tcofee method. The conserved cysteine residues are highlighted in yellow, and the cysteines that are not canonical to the CFEM domain are highlighted in green. The blue shading intensity reflects the level of amino acid identity at each position. The CFEM and CFEM-like domains are highlighted in orange. The access numbers of each sequence are: **A.** *N. parvum* (EOD51105.1), *L. theobromae* (KAB2571564.1), *D. corticola* (XP_020129061.1), *D. seriata* (KKY13873.1), *M. phaseolina* (EKG14570.1), *L. palustris* (OCK84136.1), *F. fujikurori* (QGI58805.1), *F. proliferatum* (XP_031075444.1), *E. australis* (TKX25331.1), *F. verticillioides* (RBR06989.1), *F. mangiferae* (CVK83605.1), *F. nygamai* (PNP52701.1), *C. geophilum* (OCK98732.1), *F. oxysporum* (EXA53032.1), *F. langsethiae* (KPA46759.1), *F. culmorum* (PTD11477.1), *F. pseudograminearum* (XP_009256009.1), *F. sporotrichioides* (RGP70600.1), *S. murrayae* (PNS17704.1), *S. musiva* (XP_016758053.1), *G. stellatum* (OCL13334.1), *C. higginsianum* (TIC93879.1), *P. fulva* (AQA29231.1), *V. echinocandica* (RDL36609.1), *F. longipes* (RGP60032.1), *P. sporulosa* (XP_018029092.1). **B.** *N. parvum* (EOD44996.1), *D. corticola* (XP_020133845.1), *D. seriata* (KKY24076.1), *L. theobromae* (KAB2577423.1), *M. phaseolina* (EKG19367.1), *G. stellatum* (OCL07361.1), *C. geophilum* (OCK97775.1), *P. coprophilum* (OQE36870.1), *B. persicus* (OJD22636.1), *P. nordicum* (KOS37798.1), *P. vulpinum* (OQE12392.1), *P. polonicum* (OQD69393.1), *H. capsulatum* (EEH05575.1), *P. steckii* (OQE27319.1), *P. arizonense* (XP_022485186.1), *P. macrospinosum* (PVI08476.1), *P. solitum* (OQD85155.1), *P. freii* (KUM58798.1), *R. emersonii* (XP_013330685.1), *P. italicum* (KGO74509.1), *C. immitis* (XP_001240075.1), *P. camemberti* (CRL28928.1), *C. posadasii* (XP_003069153.1), *P. flavigenum* (OQE32686.1), *P. rubens* (XP_002567673.1), *C. cassicola* (PSN73263.1), *P. brasiliensis* (ODH22777.1), *P. oxalicum* (EPS32950.1), *B. parvus* (PGH03478.1), *A. nidulans* (XP_660049.1), *T. rubrum* (XP_003231199.1), *B. gilchristii* (XP_002621720.1), *H. capsulatum* (XP_001539462.1), *A. calidoustus* (CEL09455.1).