GC % vs Codon Freq PC1 Ascomycota Basidiomycota Blastocladiomycota 20 10 0 -10 -20 Chytridiomycota Cryptomycota Microsporidia 20 Codon Freq PC1 -10 -20 Mucoromycota Sanchytriomycota Zoopagomycota 20 10 0 -10 70 70 70 20 60 30 40 50 60 20 30 40 50 60 20 30 40 50 Genome GC % Agaricomycotina Glomeromycotina Mucoromycotina Pucciniomycotina Wallemiomycotina Ascomycotina Kickxellomycotina Neocallimastigomycotina Saccharomycotina Zoopagomycotina SUBPHYLUM • Blastocladiomycotina Paramicrosporidiomycotina Sanchytriomycotina • NA Microsporidiomycotina Chytridiomycotina Monoblepharidomycotina • Pezizomycotina Taphrinomycotina Entomophthoromycotina Mortierellomycotina Physodermatomycotina Ustilaginomycotina