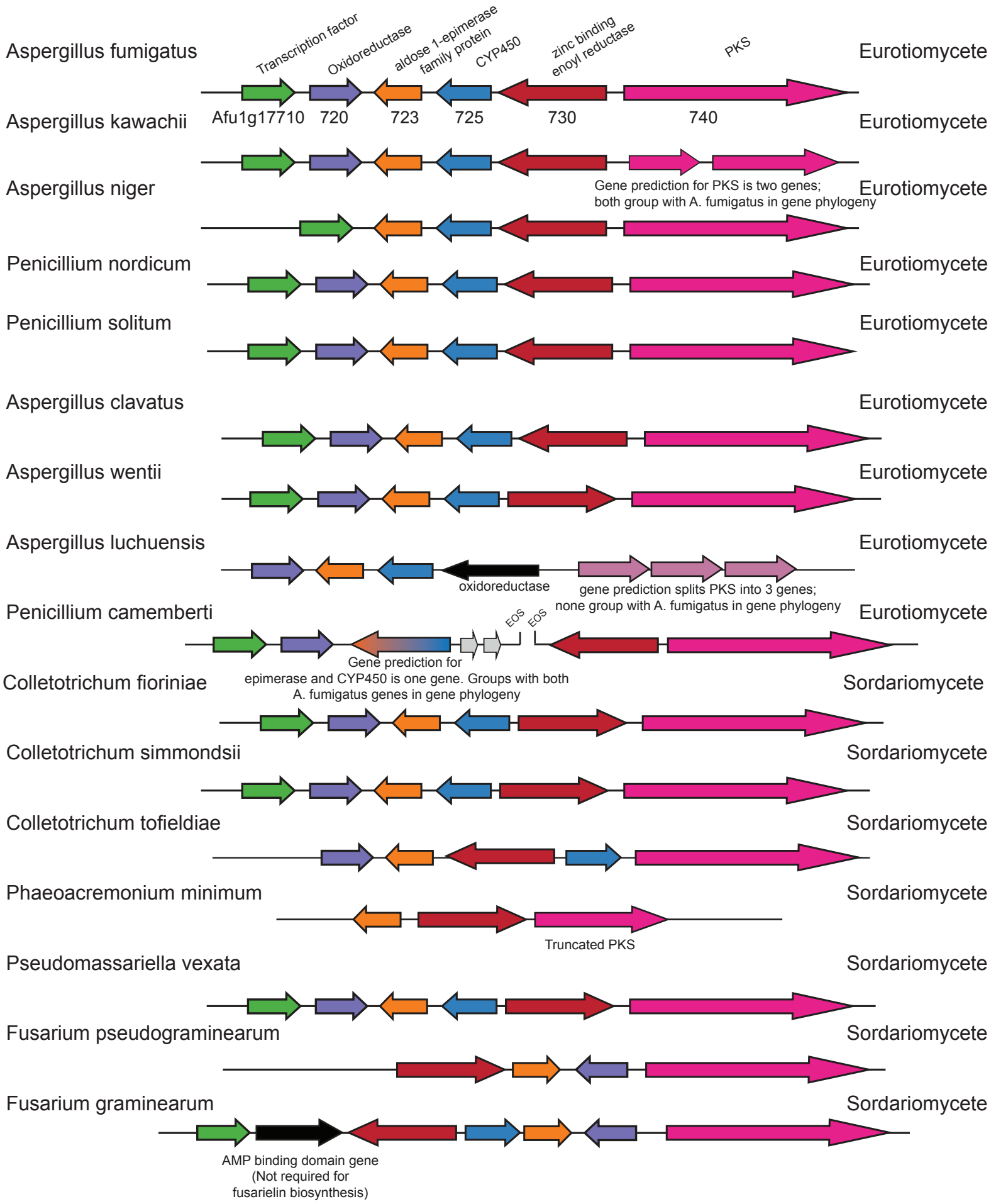
Transcription factor
Oxidoreductase
aldose 1-epimerase family protein
CYP450
zinc binding enoyl reductase
PKS
Aspergillus fumigatus
Eurotiomycete
Afu1g17710
720
723
725
730
740
Aspergillus kawachii
Eurotiomycete
Aspergillus niger
Gene prediction for PKS is two genes; both group with A. fumigatus in gene phylogeny
Eurotiomycete
Penicillium nordicum
Eurotiomycete
Penicillium solitum
Eurotiomycete
Aspergillus clavatus
Eurotiomycete
Aspergillus wentii
Eurotiomycete
Aspergillus luchuensis
Eurotiomycete
oxidoreductase
gene prediction splits PKS into 3 genes; none group with A. fumigatus in gene phylogeny
Penicillium camemberti
Eurotiomycete
EOS
EOS
Gene prediction for epimerase and CYP450 is one gene. Groups with both A. fumigatus genes in gene phylogeny
Colletotrichum fioriniae
Sordariomycete
Colletotrichum simmondsii
Sordariomycete
Colletotrichum tofieldiae
Sordariomycete
Phaeoacremonium minimum
Sordariomycete
Truncated PKS
Pseudomassariella vexata
Sordariomycete
Fusarium pseudograminearum
Sordariomycete
Fusarium graminearum
Sordariomycete
AMP binding domain gene (Not required for fusarielin biosynthesis)