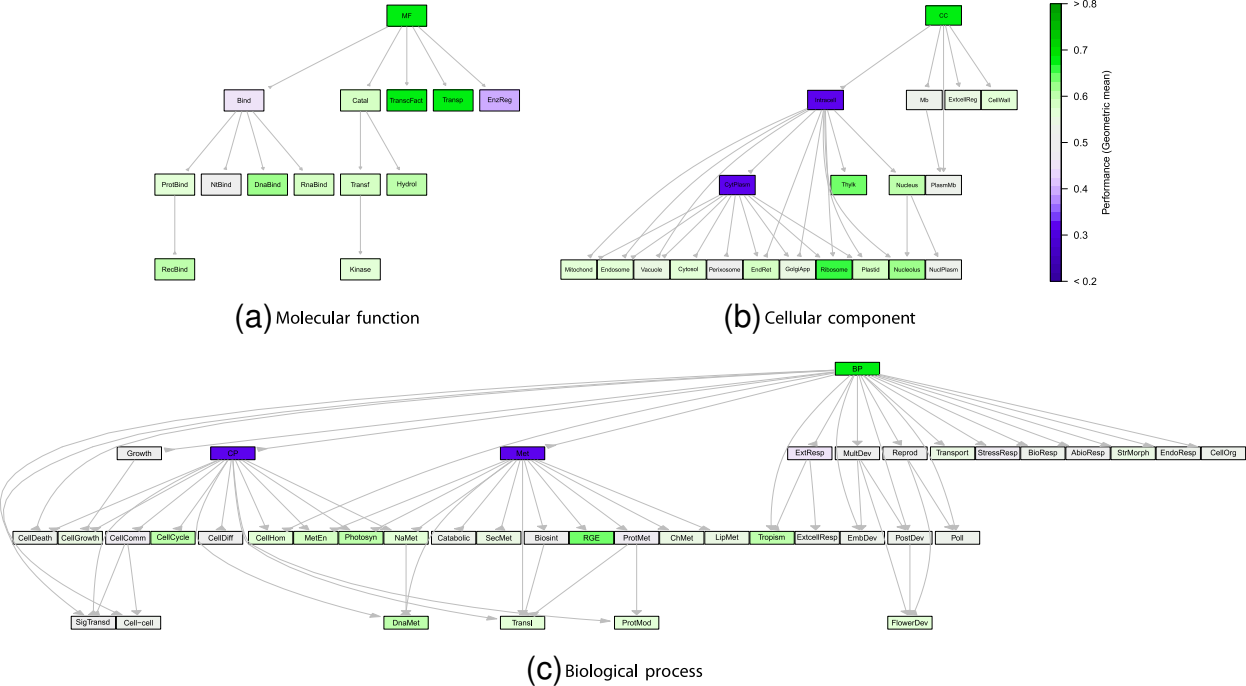
MF
Bind
Catal
TranscFact
Transp
EnzReg
ProtBind
NtBind
DnaBind
RnaBind
Transf
Hydrol
RecBind
Kinase
(a) Molecular function
CC
Intracell
Mb
ExtcellReg
CellWall
CytPlasm
Thylk
Nucleus
PlasmMb
Mitochond
Endosome
Vacuole
Cytosol
Perixosome
EndRet
GolgiApp
Ribosome
Plastid
Nucleolus
NuclPlasm
> 0.8
0.7
0.6
0.5
0.4
0.3
< 0.2
Performance (Geometric mean)
(b) Cellular component
BP
Growth
CP
Met
ExtResp
MultDev
Reprod
Transport
StressResp
BioResp
AbioResp
StrMorph
EndoResp
CellOrg
CellDeath
CellGrowth
CellComm
CellCycle
CellDiff
CellHom
MetEn
Photosyn
NaMet
Catabolic
SecMet
Biosint
RGE
ProtMet
ChMet
LipMet
Tropism
ExtcellResp
EmbDev
PostDev
Poll
SigTransd
Cell−cell
DnaMet
Transl
ProtMod
FlowerDev
(c) Biological process