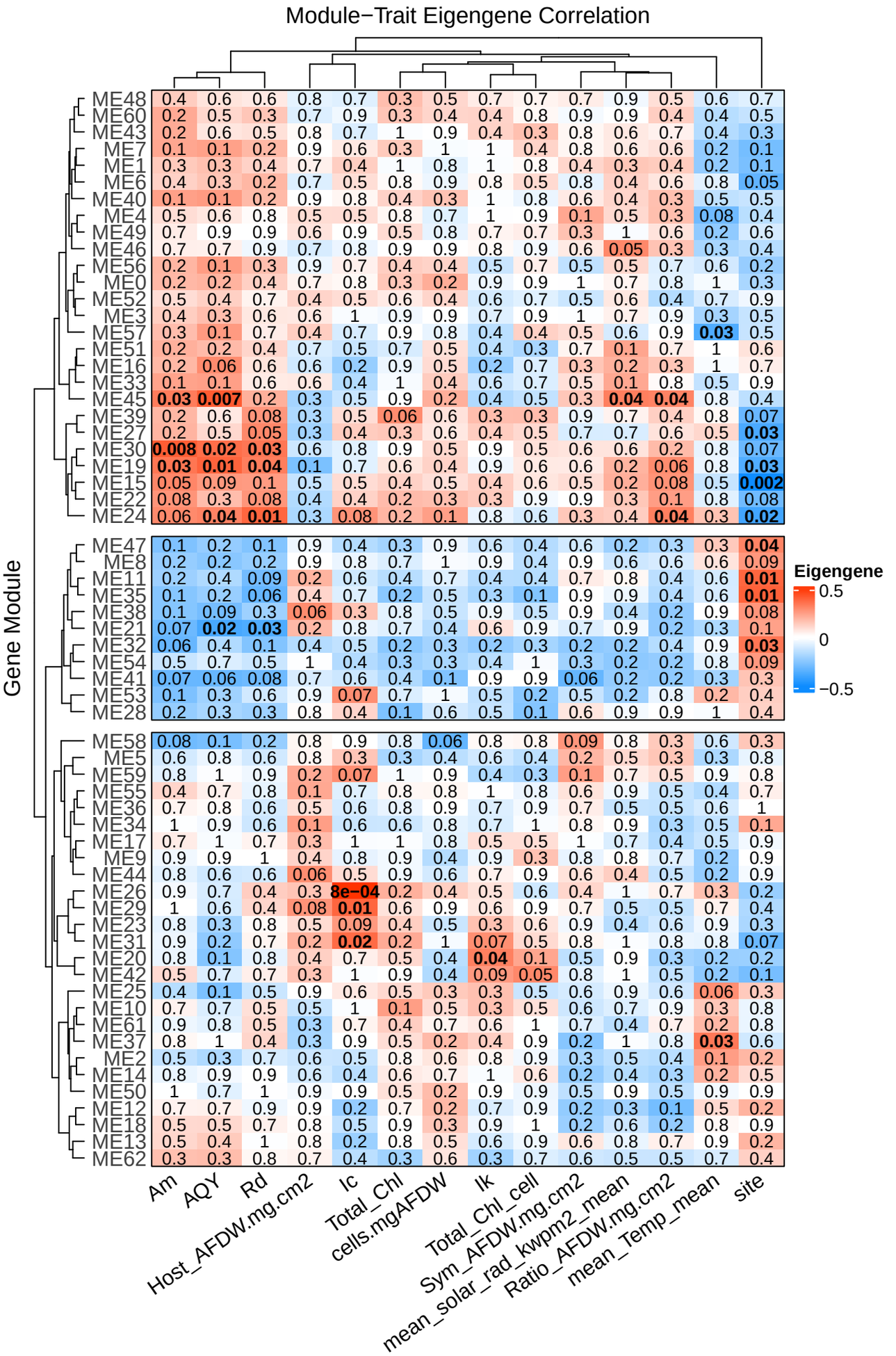
Module−Trait Eigengene Correlation
Gene Module
Eigengene
0.5
0
−0.5
Am
AQY
Rd
Ic
Total_Chl
Ik
site
Host_AFDW.mg.cm2
cells.mgAFDW
Total_Chl_cell
Sym_AFDW.mg.cm2
mean_solar_rad_kwpm2_mean
Ratio_AFDW.mg.cm2
mean_Temp_mean
ME48 0.4 0.6 0.6 0.8 0.7 0.3 0.5 0.7 0.7 0.7 0.9 0.5 0.6 0.7
ME60 0.2 0.5 0.3 0.7 0.9 0.3 0.4 0.4 0.8 0.9 0.9 0.4 0.4 0.5
ME43 0.2 0.6 0.5 0.8 0.7 1 0.9 0.4 0.3 0.8 0.6 0.7 0.4 0.3
ME7 0.1 0.1 0.2 0.9 0.6 0.3 1 1 0.4 0.8 0.6 0.6 0.2 0.1
ME1 0.3 0.3 0.4 0.7 0.4 1 0.8 1 0.8 0.4 0.3 0.4 0.2 0.1
ME6 0.4 0.3 0.2 0.7 0.5 0.8 0.9 0.8 0.5 0.8 0.4 0.6 0.8 0.05
ME40 0.1 0.1 0.2 0.9 0.8 0.4 0.3 1 0.8 0.6 0.4 0.3 0.5 0.5
ME4 0.5 0.6 0.8 0.5 0.5 0.8 0.7 1 0.9 0.1 0.5 0.3 0.08 0.4
ME49 0.7 0.9 0.9 0.6 0.9 0.5 0.8 0.7 0.7 0.3 1 0.6 0.2 0.6
ME46 0.7 0.7 0.9 0.7 0.8 0.9 0.9 0.8 0.9 0.6 0.05 0.3 0.3 0.4
ME56 0.2 0.1 0.3 0.9 0.7 0.4 0.4 0.5 0.7 0.5 0.5 0.7 0.6 0.2
ME0 0.2 0.2 0.4 0.7 0.8 0.3 0.2 0.9 0.9 1 0.7 0.8 1 0.3
ME52 0.5 0.4 0.7 0.4 0.5 0.6 0.4 0.6 0.7 0.5 0.6 0.4 0.7 0.9
ME3 0.4 0.3 0.6 0.6 1 0.9 0.9 0.7 0.9 1 0.7 0.9 0.3 0.5
ME57 0.3 0.1 0.7 0.4 0.7 0.9 0.8 0.4 0.4 0.5 0.6 0.9 0.03 0.5
ME51 0.2 0.2 0.4 0.7 0.5 0.7 0.5 0.4 0.3 0.7 0.1 0.7 1 0.6
ME16 0.2 0.06 0.6 0.6 0.2 0.9 0.5 0.2 0.7 0.3 0.2 0.3 1 0.7
ME33 0.1 0.1 0.6 0.6 0.4 1 0.4 0.6 0.7 0.5 0.1 0.8 0.5 0.9
ME45 0.03 0.007 0.2 0.3 0.5 0.9 0.2 0.4 0.5 0.3 0.04 0.04 0.8 0.4
ME39 0.2 0.6 0.08 0.3 0.5 0.06 0.6 0.3 0.3 0.9 0.7 0.4 0.8 0.07
ME27 0.2 0.5 0.05 0.3 0.4 0.3 0.6 0.4 0.5 0.7 0.7 0.6 0.5 0.03
ME30 0.008 0.02 0.03 0.6 0.8 0.9 0.5 0.9 0.5 0.6 0.6 0.2 0.8 0.07
ME19 0.03 0.01 0.04 0.1 0.7 0.6 0.4 0.9 0.6 0.6 0.2 0.06 0.8 0.03
ME15 0.05 0.09 0.1 0.5 0.5 0.4 0.5 0.4 0.6 0.5 0.2 0.08 0.5 0.002
ME22 0.08 0.3 0.08 0.4 0.4 0.2 0.3 0.3 0.9 0.9 0.3 0.1 0.8 0.08
ME24 0.06 0.04 0.01 0.3 0.08 0.2 0.1 0.8 0.6 0.3 0.4 0.04 0.3 0.02
ME47 0.1 0.2 0.1 0.9 0.4 0.3 0.9 0.6 0.4 0.6 0.2 0.3 0.3 0.04
ME8 0.2 0.2 0.2 0.9 0.8 0.7 1 0.9 0.4 0.9 0.6 0.6 0.6 0.09
ME11 0.2 0.4 0.09 0.2 0.6 0.4 0.7 0.4 0.4 0.7 0.8 0.4 0.6 0.01
ME35 0.1 0.2 0.06 0.4 0.7 0.2 0.5 0.3 0.1 0.9 0.9 0.4 0.6 0.01
ME38 0.1 0.09 0.3 0.06 0.3 0.8 0.5 0.9 0.5 0.9 0.4 0.2 0.9 0.08
ME21 0.07 0.02 0.03 0.2 0.8 0.7 0.4 0.6 0.9 0.7 0.9 0.2 0.3 0.1
ME32 0.06 0.4 0.1 0.4 0.5 0.2 0.3 0.2 0.3 0.2 0.2 0.4 0.9 0.03
ME54 0.5 0.7 0.5 1 0.4 0.3 0.3 0.4 1 0.3 0.2 0.2 0.8 0.09
ME41 0.07 0.06 0.08 0.7 0.6 0.4 0.1 0.9 0.9 0.06 0.2 0.2 0.3 0.3
ME53 0.1 0.3 0.6 0.9 0.07 0.7 1 0.5 0.2 0.5 0.2 0.8 0.2 0.4
ME28 0.2 0.3 0.3 0.8 0.4 0.1 0.6 0.5 0.1 0.6 0.9 0.9 1 0.4
ME58 0.08 0.1 0.2 0.8 0.9 0.8 0.06 0.8 0.8 0.09 0.8 0.3 0.6 0.3
ME5 0.6 0.8 0.6 0.8 0.3 0.3 0.4 0.6 0.4 0.2 0.5 0.3 0.3 0.8
ME59 0.8 1 0.9 0.2 0.07 1 0.9 0.4 0.3 0.1 0.7 0.5 0.9 0.8
ME55 0.4 0.7 0.8 0.1 0.7 0.8 0.8 1 0.8 0.6 0.9 0.5 0.4 0.7
ME36 0.7 0.8 0.6 0.5 0.6 0.8 0.9 0.7 0.9 0.7 0.5 0.5 0.6 1
ME34 1 0.9 0.6 0.1 0.6 0.6 0.8 0.7 1 0.8 0.9 0.3 0.5 0.1
ME17 0.7 1 0.7 0.3 1 1 0.8 0.5 0.5 1 0.7 0.4 0.5 0.9
ME9 0.9 0.9 1 0.4 0.8 0.9 0.4 0.9 0.3 0.8 0.8 0.7 0.2 0.9
ME44 0.8 0.6 0.6 0.06 0.5 0.9 0.6 0.7 0.9 0.6 0.4 0.5 0.2 0.9
ME26 0.9 0.7 0.4 0.3 8e−04 0.2 0.4 0.5 0.6 0.4 1 0.7 0.3 0.2
ME29 1 0.6 0.4 0.08 0.01 0.6 0.9 0.6 0.9 0.7 0.5 0.5 0.7 0.4
ME23 0.8 0.3 0.8 0.5 0.09 0.4 0.5 0.3 0.6 0.9 0.4 0.6 0.9 0.3
ME31 0.9 0.2 0.7 0.2 0.02 0.2 1 0.07 0.5 0.8 1 0.8 0.8 0.07
ME20 0.8 0.1 0.8 0.4 0.7 0.5 0.4 0.04 0.1 0.5 0.9 0.3 0.2 0.2
ME42 0.5 0.7 0.7 0.3 1 0.9 0.4 0.09 0.05 0.8 1 0.5 0.2 0.1
ME25 0.4 0.1 0.5 0.9 0.6 0.5 0.3 0.3 0.5 0.6 0.9 0.6 0.06 0.3
ME10 0.7 0.7 0.5 0.5 1 0.1 0.5 0.3 0.5 0.6 0.7 0.9 0.3 0.8
ME61 0.9 0.8 0.5 0.3 0.7 0.4 0.7 0.6 1 0.7 0.4 0.7 0.2 0.8
ME37 0.8 1 0.4 0.3 0.9 0.5 0.2 0.4 0.9 0.2 1 0.8 0.03 0.6
ME2 0.5 0.3 0.7 0.6 0.5 0.8 0.6 0.8 0.9 0.3 0.5 0.4 0.1 0.2
ME14 0.8 0.9 0.9 0.6 0.4 0.6 0.7 1 0.6 0.2 0.4 0.3 0.2 0.5
ME50 1 0.7 1 0.9 0.9 0.5 0.2 0.9 0.9 0.5 0.9 0.5 0.9 0.9
ME12 0.7 0.7 0.9 0.9 0.2 0.7 0.2 0.7 0.9 0.2 0.3 0.1 0.5 0.2
ME18 0.5 0.5 0.7 0.8 0.5 0.9 0.3 0.9 1 0.2 0.6 0.2 0.8 0.9
ME13 0.5 0.4 1 0.8 0.2 0.8 0.5 0.6 0.9 0.6 0.8 0.7 0.9 0.2
ME62 0.3 0.3 0.8 0.7 0.4 0.3 0.6 0.3 0.7 0.6 0.5 0.5 0.7 0.4