Module−Trait Eigengene Correlation

Gene Module	timepoint3	Total_Chl_cell	Ic	Ratio_AFDW.mg.cm2	mean_solar_rad_kwpm2_mean	Total_Chl	Sym_AFDW.mg.cm2	Host_AFDW.mg.cm2	site	timepoint4	AQY	cumulative_rainfall_mm_mean	timepoint1	timepoint2	mean_Temp_mean	cells.mgAFDW	Ik	Rd	Am
ME31	0.6	0.2	0.1	0.3	0.7	0.3	0.6	0.1	0.3	0.5	0.2	0.6	0.8	0.1	0.2	0.05	0.5	0.6	0.7
ME32	0.5	0.1	**0.01**	0.6	0.8	0.7	0.5	0.3	0.4	0.7	0.08	0.6	0.5	0.07	0.08	0.09	0.3	0.9	0.4
ME28	0.8	0.4	**0.003**	0.2	0.4	0.7	1	0.3	0.6	0.6	0.2	0.3	0.3	0.2	0.4	0.3	0.7	0.6	0.2
ME39	1	0.5	0.1	0.8	0.8	0.3	0.05	0.1	0.9	0.8	0.6	0.4	0.1	0.2	0.3	0.8	0.7	0.5	0.06
ME29	0.8	0.8	0.6	0.5	0.7	0.9	**0.01**	0.05	0.7	0.9	0.3	0.6	0.5	0.6	0.7	0.8	0.8	0.2	**0.02**
ME50	0.7	0.6	0.2	0.7	0.8	0.9	0.2	0.07	0.8	0.8	0.1	0.9	0.8	0.7	0.7	0.5	0.5	0.2	0.1
ME48	0.7	0.3	**0.02**	0.2	0.7	0.7	0.4	**0.03**	0.5	0.9	0.6	0.3	0.1	0.3	0.5	0.6	0.3	0.4	0.05
ME52	0.3	0.9	**0.03**	0.3	0.3	0.6	0.5	0.2	0.9	0.5	0.6	0.2	0.4	0.6	0.9	1	0.6	0.9	0.09
ME7	0.1	0.2	0.5	0.1	0.7	0.6	0.1	0.8	0.2	0.9	**0.04**	0.9	0.3	**0.01**	**0.009**	0.5	0.09	0.9	0.8
ME14	0.1	0.6	0.9	0.1	0.8	0.9	0.1	0.9	0.7	0.7	0.7	0.8	0.8	0.09	0.05	0.3	0.3	0.5	0.8
ME20	**0.006**	0.3	0.7	0.05	0.3	0.8	0.2	0.7	1	0.9	0.5	0.3	0.7	**0.02**	**0.005**	0.1	0.07	0.3	0.1
ME15	0.07	0.3	0.7	0.3	0.7	0.9	0.5	0.7	0.7	0.8	0.3	0.9	0.6	**0.01**	**0.005**	0.1	**0.04**	0.3	0.2
ME6	**0.03**	0.3	0.7	0.6	0.4	0.9	0.7	0.5	0.7	0.8	0.3	0.5	0.9	0.05	**0.02**	0.2	**0.04**	0.1	**0.02**
ME23	**0.02**	0.4	0.2	0.2	0.3	0.8	0.8	0.3	0.8	1	0.7	0.2	0.4	0.2	0.07	0.2	0.2	0.2	**0.01**
ME33	**0.01**	0.2	0.5	0.6	0.2	0.7	0.8	0.7	0.9	0.8	0.9	0.09	0.2	0.4	0.1	0.07	0.2	0.5	**0.03**
ME21	0.4	0.8	0.9	0.9	0.9	1	0.5	0.5	0.2	0.9	0.6	1	0.7	0.2	0.2	0.3	0.07	0.3	0.2
ME36	0.6	1	0.8	0.4	1	0.8	**0.04**	0.3	0.1	0.9	0.6	1	1	0.5	0.5	0.4	0.2	0.05	**0.01**
ME35	0.6	0.4	0.5	0.3	0.8	0.2	0.2	0.9	0.6	0.4	0.5	0.9	0.4	0.7	0.6	0.07	0.2	0.8	0.3
ME38	0.4	0.6	0.2	0.4	0.7	0.8	0.2	0.5	0.8	0.9	0.8	0.7	0.9	0.6	0.5	0.3	0.4	0.4	0.3
ME43	0.2	0.3	0.7	0.9	0.8	0.7	0.2	0.2	0.1	0.8	1	0.8	0.9	0.1	0.1	0.2	0.5	0.4	**0.04**
ME44	0.3	0.1	0.8	0.9	0.8	1	1	0.7	0.2	1	0.9	0.9	0.8	0.2	0.1	0.2	0.6	1	0.3
ME26	0.6	0.8	0.1	0.9	0.3	0.8	0.1	0.2	0.6	0.5	0.8	0.2	0.4	0.4	0.6	0.5	1	0.7	0.4
ME51	0.9	0.4	**0.005**	0.4	0.4	0.5	0.4	0.2	0.9	0.5	0.2	0.4	0.7	0.3	0.4	0.2	0.7	0.9	0.09
ME2	0.9	0.4	0.4	0.1	0.8	0.3	1	0.1	0.9	0.8	0.7	0.8	1	0.9	0.9	0.3	0.9	0.5	0.5
ME40	0.9	0.6	0.4	0.5	0.7	0.5	0.4	0.1	0.3	0.6	0.9	0.8	0.8	0.6	0.6	0.08	0.3	0.6	0.6
ME12	0.9	0.9	0.6	0.5	0.6	0.9	**0.004**	**0.04**	0.6	0.6	0.5	0.6	0.8	0.6	0.7	0.8	0.9	0.3	0.05
ME46	0.6	1	0.4	0.9	0.5	0.5	**0.006**	**0.02**	0.7	0.4	0.8	0.6	0.7	0.9	0.8	0.8	0.08	0.6	0.06
ME18	**0.03**	0.5	0.09	0.3	**0.02**	0.4	0.9	0.4	0.8	0.1	0.4	**0.03**	0.6	1	0.5	0.7	0.6	0.9	0.07
ME47	0.4	0.4	0.4	0.9	0.7	0.9	0.4	0.2	0.6	1	0.8	0.5	0.5	0.8	0.6	0.4	0.8	0.3	0.9
ME17	**0.01**	0.4	0.08	0.07	0.1	0.7	0.6	0.5	0.5	0.7	0.8	0.07	0.2	0.4	0.1	0.3	0.2	0.4	**0.04**
ME4	**0.02**	0.6	0.2	0.2	0.2	0.8	0.8	0.4	0.5	0.8	0.1	0.1	0.3	0.5	0.2	0.3	0.9	0.2	**0.04**
ME24	0.07	0.6	0.05	0.07	0.1	0.2	0.5	0.5	0.7	0.4	0.4	0.1	0.6	0.7	0.4	0.9	0.8	0.7	0.2
ME1	**0.006**	0.3	0.7	0.06	0.3	0.9	0.4	0.5	0.8	0.9	0.6	0.3	0.5	**0.04**	**0.009**	0.1	**0.04**	0.1	0.05
ME8	**9e-04**	0.1	0.9	0.1	0.09	0.8	0.3	0.9	0.9	0.7	0.8	0.08	0.5	**0.06**	**0.008**	0.05	0.4	0.2	**0.03**
ME30	**0.02**	0.08	0.9	0.7	0.2	1	0.8	0.7	0.6	0.8	0.9	0.2	0.5	0.2	0.05	**0.03**	0.5	0.6	0.1
ME42	**0.03**	0.4	0.4	0.4	0.5	0.8	0.5	0.3	0.7	0.9	0.5	0.4	0.7	0.08	**0.03**	0.1	0.6	**0.2**	**0.008**
ME22	0.3	0.6	0.7	0.6	0.8	0.2	0.3	0.6	1	0.6	0.8	0.5	0.2	0.7	0.4	0.06	0.3	0.4	0.1
ME37	0.4	0.9	0.2	0.9	0.9	0.5	0.4	0.2	0.4	0.7	0.7	0.7	0.5	0.6	0.4	0.3	0.2	0.2	0.3
ME10	0.08	1	0.5	0.3	0.4	0.5	0.5	0.1	0.6	0.8	0.9	0.2	0.1	0.7	0.4	0.2	0.2	0.2	**0.03**
ME9	**0.04**	0.5	0.6	0.4	0.2	0.9	0.5	0.3	1	0.7	0.6	0.2	0.6	0.3	0.1	0.3	**0.02**	0.2	**0.006**
ME34	0.3	0.4	0.5	0.7	1	0.9	0.7	0.4	0.5	0.9	0.9	0.7	0.3	**0.02**	**0.02**	0.3	0.5	0.06	0.09
ME49	0.1	0.2	0.7	0.9	0.7	0.4	0.9	0.7	0.5	1	0.08	0.8	0.8	0.09	0.06	0.4	0.7	0.06	0.1
ME53	0.2	0.5	0.6	1	0.9	0.4	0.5	0.3	0.3	0.6	1	0.7	0.5	0.2	0.1	**0.02**	**0.04**	0.06	**0.04**
ME45	**0.04**	0.7	0.5	0.3	0.8	0.3	0.1	0.4	0.08	0.4	0.6	0.6	0.3	0.09	**0.03**	**0.04**	0.4	0.06	0.1
ME5	0.7	1	0.4	0.4	0.4	0.8	0.4	0.9	0.9	0.3	0.2	0.4	0.9	0.1	0.1	0.5	0.2	0.3	1
ME19	**0.02**	0.2	0.8	0.07	0.6	0.7	0.1	1	0.6	0.9	0.2	0.8	0.6	**0.004**	**4e-04**	0.1	0.05	0.4	0.3
ME16	0.1	0.1	0.9	0.3	0.4	0.4	**0.01**	0.08	0.9	0.7	0.9	0.6	0.8	0.2	0.1	0.3	1	0.4	0.5
ME27	0.2	0.6	0.5	0.2	0.9	0.7	**0.002**	0.1	0.7	0.5	0.4	1	0.8	0.1	0.07	0.2	1	0.8	0.5
ME11	0.5	0.08	**0.04**	0.9	0.9	0.9	0.9	0.8	0.6	0.7	0.6	0.7	0.5	0.8	0.6	0.3	0.7	0.6	0.5
ME0	0.5	0.6	0.9	0.6	0.9	0.2	0.2	0.4	0.7	0.3	1	0.5	0.05	0.8	1	0.2	0.8	0.9	0.9
ME3	0.2	0.9	0.5	0.1	0.6	1	0.2	1	0.4	0.8	0.7	0.4	0.3	0.5	0.3	0.4	0.6	0.6	0.7
ME13	0.4	0.5	0.9	1	0.4	0.7	0.6	0.6	0.9	0.5	0.4	0.4	0.8	1	0.8	0.6	**0.3**	0.7	0.8
ME41	0.7	0.8	1	0.6	0.4	0.3	0.7	0.7	0.5	0.4	0.7	0.6	0.8	0.9	1	0.5	0.6	1	0.7
ME25	**0.04**	0.1	0.4	0.5	0.07	0.07	0.4	0.6	0.6	0.1	0.2	0.2	0.4	0.2	0.1	0.7	0.2	0.8	0.7

Eigengene

0.5

0

−0.5