

Module–trait relationships

MEdarkgreen	0.15 (0.2)	−0.28 (0.019)	0.041 (0.74)	0.042 (0.73)	0.085 (0.48)	−0.033 (0.79)	−0.12 (0.3)	0.2 (0.1)	0.41 (0.00043)	0.25 (0.037)	0.026 (0.83)	−0.053 (0.66)	−0.11 (0.36)	0.19 (0.11)	0.43 (0.00022)	−0.42 (0.00035)	−0.57 (0.00000033)	−0.14 (0.25)	0.23 (0.058)	−0.34 (0.0045)	0.0062 (0.96)
MEgreen	−0.11 (0.38)	−0.27 (0.024)	−0.14 (0.24)	−0.19 (0.12)	−0.049 (0.69)	−0.13 (0.29)	−0.16 (0.19)	0.32 (0.0063)	0.36 (0.0021)	0.24 (0.047)	−0.051 (0.68)	−0.16 (0.19)	−0.18 (0.13)	0.35 (0.0032)	0.5 (0.000013)	−0.12 (0.33)	−0.17 (0.15)	−0.24 (0.047)	−0.16 (0.19)	0.2 (0.11)	0.15 (0.23)
MEpurple	−0.5 (0.0000088)	−0.47 (0.000035)	−0.23 (0.055)	−0.23 (0.059)	−0.11 (0.38)	−0.19 (0.11)	−0.24 (0.045)	0.14 (0.25)	0.23 (0.06)	−0.0037 (0.98)	−0.11 (0.37)	−0.19 (0.12)	−0.25 (0.039)	0.19 (0.11)	0.33 (0.0046)	0.56 (0.00000053)	0.18 (0.14)	0.079 (0.52)	0.24 (0.048)	0.3 (0.012)	0.29 (0.015)
MEgrey60	0.61 (0.00000002)	0.46 (0.00007)	0.5 (0.00001)	0.4 (0.00064)	0.078 (0.52)	−0.042 (0.73)	−0.17 (0.16)	0.044 (0.72)	0.09 (0.46)	−0.14 (0.25)	0.038 (0.75)	−0.11 (0.35)	−0.22 (0.072)	−0.042 (0.73)	0.072 (0.55)	−0.53 (0.0000019)	−0.31 (0.0085)	−0.25 (0.036)	0.067 (0.58)	−0.29 (0.014)	−0.25 (0.036)
MEblue	0.6 (0.00000004)	0.61 (0.00000016)	0.32 (0.0072)	0.23 (0.059)	0.088 (0.47)	0.084 (0.49)	−0.024 (0.84)	0.084 (0.49)	−0.079 (0.51)	0.071 (0.56)	0.16 (0.19)	0.06 (0.62)	−0.066 (0.58)	0.085 (0.48)	−0.08 (0.51)	−0.73 (7.9e−13)	−0.24 (0.049)	−0.31 (0.008)	−0.44 (0.00015)	−0.16 (0.19)	−0.27 (0.023)
MEpink	0.33 (0.006)	0.64 (0.000000029)	0.35 (0.003)	0.19 (0.12)	0.0039 (0.97)	−0.1 (0.41)	−0.34 (0.0046)	0.067 (0.58)	−0.088 (0.47)	−0.19 (0.12)	0.11 (0.36)	−0.11 (0.38)	−0.41 (0.00044)	0.1 (0.41)	−0.041 (0.74)	−0.17 (0.15)	0.06 (0.62)	−0.18 (0.14)	−0.3 (0.012)	0.13 (0.27)	−0.055 (0.65)
MElightgreen	0.1 (0.39)	−0.52 (0.0000032)	−0.086 (0.48)	−0.091 (0.45)	0.18 (0.14)	0.28 (0.018)	0.19 (0.12)	0.16 (0.18)	0.1 (0.39)	0.45 (0.00011)	0.17 (0.17)	0.27 (0.021)	0.14 (0.25)	0.17 (0.17)	0.13 (0.28)	−0.55 (0.00000069)	−0.065 (0.59)	−0.14 (0.26)	−0.59 (0.00000085)	−0.13 (0.28)	−0.16 (0.2)
MEroyalblue	0.23 (0.055)	−0.094 (0.44)	0.2 (0.1)	−0.092 (0.45)	0.1 (0.4)	0.28 (0.018)	−0.047 (0.7)	0.22 (0.067)	−0.09 (0.46)	0.29 (0.016)	0.23 (0.054)	0.25 (0.036)	−0.15 (0.21)	0.24 (0.042)	0.0077 (0.95)	−0.54 (0.0000017)	0.11 (0.37)	−0.27 (0.024)	−0.66 (0.000000065)	0.054 (0.66)	−0.28 (0.019)
MEdarkturquoise	0.19 (0.11)	0.12 (0.33)	−0.13 (0.28)	−0.085 (0.48)	0.25 (0.034)	0.054 (0.66)	0.02 (0.87)	0.071 (0.56)	0.098 (0.42)	0.33 (0.0053)	0.22 (0.064)	0.25 (0.037)	−0.3 (0.01)	0.14 (0.24)	0.35 (0.0029)	−0.54 (0.0000018)	−0.14 (0.26)	−0.11 (0.36)	−0.35 (0.003)	−0.26 (0.033)	−0.19 (0.12)
MEmagenta	0.3 (0.011)	0.19 (0.12)	0.086 (0.48)	−0.027 (0.82)	0.057 (0.64)	−0.036 (0.77)	−0.18 (0.13)	0.35 (0.0033)	0.21 (0.076)	0.24 (0.042)	0.12 (0.34)	−0.085 (0.48)	−0.25 (0.04)	0.38 (0.0014)	0.32 (0.0069)	−0.57 (0.00000024)	−0.21 (0.077)	−0.39 (0.00084)	−0.5 (0.0000089)	0.046 (0.7)	−0.052 (0.67)
MEgreenyellow	−0.39 (0.00093)	−0.53 (0.0000027)	−0.13 (0.27)	0.065 (0.59)	−0.0062 (0.96)	−0.056 (0.65)	−0.24 (0.043)	−0.03 (0.81)	0.11 (0.36)	−0.14 (0.25)	0.046 (0.7)	−0.0057 (0.96)	−0.37 (0.0017)	−0.089 (0.46)	0.16 (0.2)	0.56 (0.00000038)	0.099 (0.41)	0.34 (0.0039)	0.41 (0.00047)	0.15 (0.23)	0.1 (0.39)
MEsalmon	−0.35 (0.0031)	−0.083 (0.49)	−0.13 (0.27)	−0.12 (0.32)	−0.079 (0.52)	−0.11 (0.38)	−0.1 (0.41)	−0.058 (0.63)	−0.083 (0.5)	−0.18 (0.13)	−0.049 (0.69)	−0.096 (0.43)	−0.088 (0.47)	−0.057 (0.64)	−0.069 (0.57)	0.56 (0.00000036)	0.75 (3.2e−14)	−0.019 (0.88)	−0.29 (0.014)	0.54 (0.0000014)	0.12 (0.32)
MEdarkred	−0.51 (0.000008)	−0.41 (0.00038)	−0.4 (0.00053)	−0.26 (0.029)	−0.045 (0.71)	−0.16 (0.19)	0.047 (0.7)	−0.033 (0.79)	0.15 (0.22)	−0.12 (0.32)	−0.17 (0.15)	−0.082 (0.5)	0.037 (0.76)	−0.14 (0.26)	0.1 (0.4)	0.67 (0.0000000006)	0.59 (0.0000068)	0.25 (0.038)	0.15 (0.22)	0.26 (0.027)	0.057 (0.64)
MEturquoise	−0.58 (0.00000014)	−0.14 (0.24)	−0.14 (0.24)	−0.13 (0.28)	−0.18 (0.13)	−0.15 (0.22)	−0.14 (0.23)	−0.19 (0.11)	−0.18 (0.14)	−0.36 (0.0022)	−0.14 (0.26)	−0.12 (0.3)	−0.15 (0.23)	−0.14 (0.26)	−0.17 (0.17)	0.99 (6e−64)	0.45 (0.000077)	0.38 (0.0012)	0.37 (0.0015)	0.39 (0.00099)	0.34 (0.0038)
MEblack	−0.076 (0.53)	0.63 (0.000000004)	0.14 (0.26)	0.062 (0.61)	−0.17 (0.16)	−0.2 (0.1)	−0.21 (0.077)	−0.18 (0.14)	−0.24 (0.05)	−0.45 (0.000082)	−0.082 (0.5)	−0.17 (0.15)	−0.22 (0.069)	−0.15 (0.22)	−0.26 (0.032)	0.53 (0.00000024)	0.35 (0.0027)	0.13 (0.29)	0.11 (0.38)	0.29 (0.014)	0.15 (0.21)
MEcyan	−0.28 (0.021)	0.017 (0.89)	−0.066 (0.59)	−0.058 (0.63)	−0.12 (0.34)	−0.085 (0.48)	−0.085 (0.48)	−0.1 (0.4)	−0.1 (0.4)	−0.25 (0.039)	−0.1 (0.41)	−0.09 (0.46)	−0.083 (0.49)	−0.11 (0.37)	−0.1 (0.39)	0.55 (0.00000096)	−0.061 (0.62)	0.18 (0.15)	−0.11 (0.37)	0.12 (0.32)	0.94 (1.9e−33)
MEbrown	0.18 (0.13)	−0.42 (0.00034)	−0.11 (0.35)	−0.025 (0.84)	0.13 (0.29)	0.25 (0.037)	0.43 (0.00018)	0.025 (0.84)	0.11 (0.37)	0.36 (0.0021)	0.0037 (0.98)	0.21 (0.077)	0.47 (0.000039)	−0.056 (0.64)	0.062 (0.61)	−0.56 (0.00000053)	−0.36 (0.0023)	−0.097 (0.42)	−0.067 (0.58)	−0.36 (0.0026)	−0.21 (0.085)
MEred	0.46 (0.000071)	0.19 (0.11)	0.16 (0.18)	0.19 (0.12)	0.13 (0.29)	0.29 (0.016)	0.34 (0.0043)	−0.12 (0.32)	−0.17 (0.15)	0.14 (0.24)	0.12 (0.34)	0.25 (0.033)	0.37 (0.0019)	−0.19 (0.12)	−0.26 (0.03)	−0.64 (0.0000000021)	−0.25 (0.037)	−0.098 (0.42)	−0.21 (0.083)	−0.37 (0.0015)	−0.32 (0.0069)
MElightyellow	−0.072 (0.55)	−0.12 (0.31)	−0.22 (0.067)	−0.11 (0.36)	0.13 (0.28)	0.023 (0.85)	0.4 (0.00066)	−0.091 (0.45)	−0.17 (0.15)	0.084 (0.49)	0.084 (0.49)	0.27 (0.023)	−0.098 (0.42)	−0.065 (0.59)	−0.021 (0.86)	−0.0037 (0.98)	0.1 (0.4)	0.12 (0.31)	0.17 (0.15)	−0.24 (0.041)	−0.16 (0.18)
MEyellow	−0.27 (0.024)	−0.087 (0.47)	−0.098 (0.42)	−0.028 (0.82)	−0.11 (0.37)	−0.063 (0.6)	0.069 (0.57)	−0.17 (0.15)	−0.091 (0.45)	−0.23 (0.057)	−0.14 (0.25)	−0.068 (0.57)	0.097 (0.42)	−0.2 (0.1)	−0.15 (0.22)	0.52 (0.0000036)	−0.024 (0.84)	0.14 (0.26)	0.93 (1.3e−30)	−0.062 (0.61)	0.037 (0.76)
MEtan	−0.22 (0.072)	−0.22 (0.063)	−0.27 (0.023)	−0.14 (0.24)	−0.1 (0.39)	0.11 (0.35)	0.51 (0.00000057)	−0.22 (0.068)	−0.15 (0.23)	0.049 (0.69)	−0.15 (0.21)	0.12 (0.32)	0.58 (0.00000011)	−0.27 (0.026)	−0.22 (0.073)	0.19 (0.12)	0.031 (0.8)	0.15 (0.2)	0.16 (0.18)	−0.006 (0.96)	0.028 (0.82)
MElightcyan	−0.32 (0.0078)	−0.65 (0.0000000015)	−0.27 (0.024)	0.055 (0.65)	0.09 (0.46)	0.26 (0.032)	0.16 (0.2)	−0.2 (0.099)	−0.12 (0.33)	0.033 (0.79)	0.02 (0.87)	0.24 (0.044)	0.094 (0.44)	−0.2 (0.098)	−0.09 (0.46)	0.32 (0.0074)	0.027 (0.82)	0.36 (0.0024)	0.27 (0.026)	−0.075 (0.54)	0.043 (0.72)
MEmidnightblue	−0.2 (0.1)	−0.2 (0.1)	−0.016 (0.9)	0.074 (0.54)	0.07 (0.57)	0.16 (0.19)	0.15 (0.22)	−0.3 (0.01)	−0.35 (0.0034)	−0.15 (0.21)	0.048 (0.69)	0.19 (0.11)	0.19 (0.12)	−0.31 (0.0095)	−0.4 (0.00058)	0.37 (0.0019)	0.38 (0.0012)	0.35 (0.003)	0.23 (0.057)	−0.14 (0.24)	−0.1 (0.4)
MEgrey	0.032 (0.79)	−0.5 (0.000011)	0.41 (0.00038)	0.3 (0.011)	0.0098 (0.94)	0.25 (0.04)	−0.0083 (0.95)	−0.093 (0.44)	−0.27 (0.026)	−0.095 (0.43)	−0.04 (0.74)	0.066 (0.59)	−0.12 (0.33)	0.096 (0.43)	−0.19 (0.11)	0.059 (0.63)	0.18 (0.14)	0.1 (0.4)	−0.13 (0.27)	−0.15 (0.23)	0.12 (0.34)
top_second_leaf		AK_31	AK_51	AK_BU1	AK_J1	AK_F1	AK_G1	AK_B1	AK_H1	flag_leaf	AK_J2	AK_F2	AK_G2	AK_B2	AK_H2	spike	AK_J3	AK_F3	AK_G3	AK_B3	AK_H3