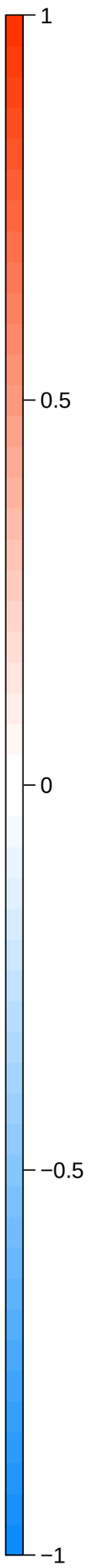
Module−trait relationships

	pathologic_stage	ethology_T_stage	ethology_M_stage	ethology_N_stage	o_smoking_onset	a4_neg_pd1_neg	a4_neg_pd1_pos	a4_pos_pd1_neg	a4_pos_pd1_pos
white2	−0.03 (0.8)	0.061 (0.7)	−0.26 (0.07)	−0.056 (0.7)	−0.43 (0.002)	−0.079 (0.6)	−0.0045 (1)	−0.025 (0.9)	−0.044 (0.8)
ydew1	−0.013 (0.9)	0.1 (0.5)	0.24 (0.09)	−0.22 (0.1)	0.058 (0.7)	−0.22 (0.1)	−0.13 (0.4)	−0.22 (0.1)	−0.19 (0.2)
sque4	−0.12 (0.4)	−0.094 (0.5)	−0.19 (0.2)	−0.13 (0.4)	−0.076 (0.6)	−0.21 (0.1)	−0.13 (0.4)	−0.27 (0.06)	−0.036 (0.8)
Eivory	0.0057 (1)	0.083 (0.6)	−0.08 (0.6)	−0.082 (0.6)	−0.16 (0.3)	−0.036 (0.8)	0.23 (0.1)	−0.042 (0.8)	0.19 (0.2)
plum1	0.23 (0.1)	0.24 (0.09)	0.24 (0.09)	0.043 (0.8)	−0.15 (0.3)	−0.42 (0.002)	−0.018 (0.9)	−0.33 (0.02)	−0.03 (0.8)
ntcyan	0.17 (0.2)	0.054 (0.7)	−0.12 (0.4)	0.21 (0.1)	−0.018 (0.9)	−0.31 (0.03)	−0.19 (0.2)	−0.27 (0.06)	−0.14 (0.3)
Egreen	0.22 (0.1)	0.034 (0.8)	0.044 (0.8)	0.086 (0.5)	0.13 (0.4)	−0.32 (0.02)	0.049 (0.7)	−0.24 (0.09)	0.077 (0.6)
orange	0.19 (0.2)	−0.08 (0.6)	0.0089 (1)	0.098 (0.5)	−0.21 (0.1)	−0.22 (0.1)	0.043 (0.8)	−0.18 (0.2)	0.013 (0.9)
cyan1	−0.043 (0.8)	−0.029 (0.8)	−0.19 (0.2)	0.16 (0.3)	−0.048 (0.7)	0.012 (0.9)	0.026 (0.9)	−0.0026 (1)	0.032 (0.8)
aroon	0.16 (0.3)	0.15 (0.3)	−0.08 (0.6)	0.028 (0.8)	−0.21 (0.1)	−0.21 (0.1)	0.054 (0.7)	−0.011 (0.9)	0.089 (0.5)
yblue2	0.015 (0.9)	0.05 (0.7)	0.22 (0.1)	−0.085 (0.6)	0.046 (0.7)	0.17 (0.2)	0.08 (0.6)	0.089 (0.5)	−0.059 (0.7)
lmon4	−0.092 (0.5)	−0.12 (0.4)	0.15 (0.3)	−0.15 (0.3)	−0.27 (0.06)	−0.017 (0.9)	0.048 (0.7)	0.02 (0.9)	0.028 (0.8)
ygreen	0.04 (0.8)	0.14 (0.3)	−0.22 (0.1)	0.048 (0.7)	−0.53 (6e−05)	0.11 (0.5)	0.13 (0.3)	0.18 (0.2)	0.012 (0.9)
tpink4	0.065 (0.7)	−0.2 (0.2)	0.29 (0.04)	0.042 (0.8)	−0.023 (0.9)	−0.17 (0.2)	0.11 (0.4)	−0.18 (0.2)	−0.042 (0.8)
yblue3	−0.075 (0.6)	0.12 (0.4)	0.15 (0.3)	−0.15 (0.3)	−0.39 (0.005)	−0.21 (0.1)	0.015 (0.9)	−0.12 (0.4)	−0.083 (0.6)
kgreen	0.32 (0.02)	0.18 (0.2)	0.24 (0.09)	0.29 (0.04)	−0.5 (2e−04)	−0.097 (0.5)	0.083 (0.6)	−0.00065 (1)	−0.0078 (1)
Eviolet	0.39 (0.004)	0.19 (0.2)	0.22 (0.1)	0.36 (0.009)	−0.42 (0.002)	−0.19 (0.2)	−0.064 (0.7)	−0.14 (0.3)	−0.14 (0.3)
tgreen	0.14 (0.3)	0.065 (0.7)	0.13 (0.4)	0.11 (0.4)	−0.23 (0.1)	−0.12 (0.4)	0.043 (0.8)	−0.085 (0.6)	−0.072 (0.6)
enna3	−0.03 (0.8)	−0.018 (0.9)	0.19 (0.2)	−0.085 (0.6)	−0.37 (0.008)	−0.36 (0.01)	−0.2 (0.2)	−0.27 (0.05)	−0.29 (0.04)
ntcoral	0.086 (0.5)	0.078 (0.6)	0.2 (0.2)	−0.14 (0.3)	−0.15 (0.3)	0.11 (0.5)	0.039 (0.8)	0.061 (0.7)	0.006 (1)
green4	0.095 (0.5)	0.012 (0.9)	0.19 (0.2)	0.074 (0.6)	−0.34 (0.01)	−0.13 (0.3)	0.19 (0.2)	−0.11 (0.4)	0.096 (0.5)
egreen	0.17 (0.2)	0.059 (0.7)	−0.027 (0.9)	0.041 (0.8)	−0.25 (0.08)	−0.18 (0.2)	0.0055 (1)	−0.089 (0.5)	−0.0066 (1)
yellow	0.12 (0.4)	0.14 (0.3)	−0.044 (0.8)	0.067 (0.6)	−0.51 (2e−04)	−0.066 (0.6)	−0.1 (0.5)	−0.18 (0.2)	−0.17 (0.2)
elblue	0.078 (0.6)	0.043 (0.8)	0.062 (0.7)	−0.022 (0.9)	0.23 (0.1)	−0.012 (0.9)	0.14 (0.3)	−0.047 (0.7)	0.022 (0.9)
plum2	0.036 (0.8)	−0.048 (0.7)	0.22 (0.1)	−0.022 (0.9)	0.27 (0.06)	−0.096 (0.5)	0.11 (0.4)	0.0061 (1)	0.11 (0.4)
nistle2	−0.19 (0.2)	−0.19 (0.2)	−0.062 (0.7)	−0.35 (0.01)	0.22 (0.1)	0.2 (0.2)	0.25 (0.08)	0.21 (0.1)	0.19 (0.2)
plush3	0.069 (0.6)	−0.078 (0.6)	−0.15 (0.3)	0.061 (0.7)	0.46 (6e−04)	0.084 (0.6)	0.18 (0.2)	0.15 (0.3)	0.23 (0.1)
quoise	0.032 (0.8)	−0.15 (0.3)	0.062 (0.7)	0.071 (0.6)	0.68 (4e−08)	0.15 (0.3)	0.2 (0.1)	0.2 (0.2)	0.24 (0.09)
rown4	−0.12 (0.4)	−0.29 (0.04)	−0.027 (0.9)	−0.11 (0.5)	0.37 (0.007)	−0.059 (0.7)	−0.014 (0.9)	−0.066 (0.6)	0.034 (0.8)
coral2	−0.049 (0.7)	−0.18 (0.2)	0.027 (0.9)	−0.069 (0.6)	−0.14 (0.3)	−0.18 (0.2)	−0.0068 (1)	−0.14 (0.3)	−0.0066 (1)
ellow4	−0.0065 (1)	0.093 (0.5)	0.22 (0.1)	−0.05 (0.7)	−0.22 (0.1)	−0.053 (0.7)	0.061 (0.7)	−0.034 (0.8)	0.02 (0.9)
coral1	−0.089 (0.5)	0.09 (0.5)	−0.098 (0.5)	−0.038 (0.8)	0.0084 (1)	−0.1 (0.5)	−0.028 (0.8)	−0.049 (0.7)	0.019 (0.9)
nistle1	0.0044 (1)	0.25 (0.08)	0.28 (0.05)	0.013 (0.9)	−0.21 (0.1)	−0.1 (0.5)	−0.12 (0.4)	−0.12 (0.4)	−0.11 (0.4)
elblue	0.052 (0.7)	−0.1 (0.5)	−0.08 (0.6)	−0.055 (0.7)	0.082 (0.6)	−0.21 (0.1)	−0.081 (0.6)	−0.049 (0.7)	−0.079 (0.6)
orange	−0.12 (0.4)	−0.17 (0.2)	−0.22 (0.1)	−0.12 (0.4)	0.08 (0.6)	−0.19 (0.2)	−0.011 (0.9)	−0.16 (0.3)	−0.036 (0.8)
Ecyan	−0.082 (0.6)	−0.11 (0.4)	0.062 (0.7)	−0.19 (0.2)	−0.0033 (1)	0.022 (0.9)	0.28 (0.05)	0.071 (0.6)	0.3 (0.03)
yellow	−0.18 (0.2)	−0.08 (0.6)	−0.19 (0.2)	−0.22 (0.1)	−0.074 (0.6)	0.26 (0.07)	0.14 (0.3)	0.22 (0.1)	0.19 (0.2)
brown	−0.088 (0.5)	0.0082 (1)	−0.2 (0.2)	−0.024 (0.9)	−0.38 (0.007)	0.029 (0.8)	−0.1 (0.5)	−0.069 (0.6)	−0.093 (0.5)
lwhite	−0.027 (0.8)	−0.058 (0.7)	−0.26 (0.07)	−0.0088 (1)	0.31 (0.03)	−0.043 (0.8)	0.17 (0.2)	0.24 (0.09)	0.15 (0.3)
lEblue	0.014 (0.9)	−0.032 (0.8)	0.098 (0.5)	0.15 (0.3)	0.16 (0.3)	0.078 (0.6)	−0.13 (0.4)	0.05 (0.7)	−0.17 (0.2)
brown	0.052 (0.7)	−0.12 (0.4)	0.24 (0.09)	0.072 (0.6)	−0.047 (0.7)	0.063 (0.7)	0.14 (0.3)	0.16 (0.3)	0.055 (0.7)
urple2	0.05 (0.7)	0.13 (0.4)	−0.0089 (1)	0.039 (0.8)	0.18 (0.2)	0.066 (0.6)	0.22 (0.1)	0.24 (0.08)	0.22 (0.1)
white4	−0.025 (0.9)	0.034 (0.8)	0.17 (0.2)	−0.012 (0.9)	0.44 (0.001)	−0.15 (0.3)	−0.17 (0.2)	−0.15 (0.3)	−0.15 (0.3)
orchid	−0.22 (0.1)	−0.094 (0.5)	0.15 (0.3)	−0.15 (0.3)	0.19 (0.2)	0.055 (0.7)	0.25 (0.07)	0.055 (0.7)	0.19 (0.2)
Ewhite	−0.16 (0.2)	−0.16 (0.3)	−0.2 (0.2)	−0.12 (0.4)	0.14 (0.3)	0.067 (0.6)	−0.011 (0.9)	0.09 (0.5)	0.076 (0.6)
etred3	0.068 (0.6)	0.021 (0.9)	0.15 (0.3)	0.037 (0.8)	0.24 (0.1)	−0.1 (0.5)	−0.15 (0.3)	−0.24 (0.1)	−0.11 (0.5)
quoise	−0.033 (0.8)	−0.011 (0.9)	0.19 (0.2)	−0.062 (0.7)	0.25 (0.08)	−5e−05 (1)	0.13 (0.4)	0.047 (0.7)	0.082 (0.6)
htblue	−0.066 (0.6)	0.024 (0.9)	0.027 (0.9)	0.0038 (1)	0.33 (0.02)	0.12 (0.4)	−0.043 (0.8)	0.099 (0.5)	−0.041 (0.8)
Eplum	−0.071 (0.6)	−0.15 (0.3)	−0.0089 (1)	0.03 (0.8)	0.069 (0.6)	0.14 (0.3)	−0.015 (0.9)	0.016 (0.9)	0.043 (0.8)
rkgrey	−0.0028 (1)	0.035 (0.8)	−0.062 (0.7)	−0.071 (0.6)	−0.53 (7e−05)	0.097 (0.5)	0.0011 (1)	0.064 (0.7)	−0.061 (0.7)
teblue	−0.12 (0.4)	−0.17 (0.2)	0.08 (0.6)	−0.15 (0.3)	−0.2 (0.2)	0.17 (0.2)	−0.045 (0.8)	0.011 (0.9)	−0.16 (0.3)
agenta	−0.19 (0.2)	−0.088 (0.5)	−0.22 (0.1)	−0.12 (0.4)	−0.23 (0.1)	−0.021 (0.9)	−0.16 (0.2)	−0.053 (0.7)	−0.12 (0.4)
yblue1	0.045 (0.8)	−0.15 (0.3)	−0.2 (0.2)	0.13 (0.3)	−0.097 (0.5)	−0.076 (0.6)	−0.22 (0.1)	−0.05 (0.7)	−0.16 (0.3)
lEpink	−0.22 (0.1)	−0.075 (0.6)	−0.19 (0.2)	−0.09 (0.5)	0.25 (0.08)	0.15 (0.3)	−0.1 (0.5)	0.12 (0.4)	0.048 (0.7)
yellow	−0.051 (0.7)	0.079 (0.6)	−0.24 (0.09)	0.068 (0.6)	0.066 (0.6)	0.16 (0.3)	−0.27 (0.05)	0.041 (0.8)	−0.2 (0.2)
Eblack	−0.19 (0.2)	0.026 (0.9)	−0.26 (0.07)	−0.11 (0.4)	0.068 (0.6)	0.22 (0.1)	−0.16 (0.3)	0.08 (0.6)	−0.07 (0.6)
purple	−0.1 (0.5)	0.085 (0.6)	−0.28 (0.05)	−0.047 (0.7)	0.099 (0.5)	0.052 (0.7)	−0.34 (0.01)	−0.15 (0.3)	−0.2 (0.2)
gered3	0.17 (0.2)	0.11 (0.4)	0.0089 (1)	−0.064 (0.7)	0.0066 (1)	0.046 (0.7)	0.096 (0.5)	−0.0035 (1)	−0.01 (0.9)
lblue1	−0.16 (0.3)	−0.059 (0.7)	−0.22 (0.1)	−0.094 (0.5)	−0.54 (4e−05)	0.084 (0.6)	−0.08 (0.6)	0.027 (0.9)	−0.061 (0.7)
gered4	−0.13 (0.4)	−0.27 (0.06)	−0.2 (0.2)	−0.16 (0.3)	−0.3 (0.03)	0.12 (0.4)	−0.038 (0.8)	0.0042 (1)	−0.078 (0.6)
urple3	−0.039 (0.8)	−0.21 (0.1)	−0.29 (0.04)	0.028 (0.8)	−0.17 (0.2)	0.02 (0.9)	−0.21 (0.1)	−0.17 (0.2)	−0.12 (0.4)
valblue	0.011 (0.9)	−0.032 (0.8)	−0.26 (0.07)	0.05 (0.7)	−0.29 (0.04)	0.04 (0.8)	−0.22 (0.1)	−0.19 (0.2)	−0.24 (0.09)
lEgrey	−0.13 (0.4)	0.072 (0.6)	0.027 (0.9)	−0.081 (0.6)	−0.011 (0.9)	0.22 (0.1)	0.3 (0.03)	0.25 (0.07)	0.22 (0.1)