A

## Module−trait relationships

| | Control | PCOS |
|---|---|---|
| MEmagenta | 0.7 (0.004) | −0.7 (0.004) |
| MEwhite | 0.51 (0.05) | −0.51 (0.05) |
| MEdarkolivegreen | 0.71 (0.003) | −0.71 (0.003) |
| MEmediumpurple3 | 0.88 (1e−05) | −0.88 (1e−05) |
| MEblue | 0.11 (0.7) | −0.11 (0.7) |
| MEdarkred | 0.12 (0.7) | −0.12 (0.7) |
| MEmidnightblue | 0.12 (0.7) | −0.12 (0.7) |
| MEdarkmagenta | 0.058 (0.8) | −0.058 (0.8) |
| MEpink | 0.49 (0.07) | −0.49 (0.07) |
| MEdarkgrey | 0.51 (0.05) | −0.51 (0.05) |
| MEdarkturquoise | 0.31 (0.3) | −0.31 (0.3) |
| MEbrown | 0.17 (0.5) | −0.17 (0.5) |
| MEgrey60 | 0.051 (0.9) | −0.051 (0.9) |
| MEorangered4 | −0.51 (0.05) | 0.51 (0.05) |
| MEcyan | 0.048 (0.9) | −0.048 (0.9) |
| MEskyblue3 | 0.099 (0.7) | −0.099 (0.7) |
| MEsalmon | −0.042 (0.9) | 0.042 (0.9) |
| MEroyalblue | −0.082 (0.8) | 0.082 (0.8) |
| MEskyblue | −0.086 (0.8) | 0.086 (0.8) |
| MElightcyan1 | −0.32 (0.3) | 0.32 (0.3) |
| MEdarkorange | −0.22 (0.4) | 0.22 (0.4) |
| MEred | 0.027 (0.9) | −0.027 (0.9) |
| MElightyellow | 0.063 (0.8) | −0.063 (0.8) |
| MEivory | −0.0024 (1) | 0.0024 (1) |
| MEdarkgreen | −0.55 (0.04) | 0.55 (0.04) |
| MEviolet | −0.051 (0.9) | 0.051 (0.9) |
| MEsienna3 | −0.1 (0.7) | 0.1 (0.7) |
| MEtan | −0.051 (0.9) | 0.051 (0.9) |
| MEyellowgreen | 0.11 (0.7) | −0.11 (0.7) |
| MEpaleturquoise | −0.44 (0.1) | 0.44 (0.1) |
| MEsteelblue | −0.54 (0.04) | 0.54 (0.04) |
| MEturquoise | −0.14 (0.6) | 0.14 (0.6) |
| MElightgreen | 0.067 (0.8) | −0.067 (0.8) |
| MEgreenyellow | −0.15 (0.6) | 0.15 (0.6) |
| MEsaddlebrown | −0.29 (0.3) | 0.29 (0.3) |
| MEyellow | −0.28 (0.3) | 0.28 (0.3) |
| MElightcyan | 0.17 (0.6) | −0.17 (0.6) |
| MEorange | −0.51 (0.05) | 0.51 (0.05) |
| MEgreen | −0.63 (0.01) | 0.63 (0.01) |
| MEplum1 | −0.68 (0.005) | 0.68 (0.005) |
| MEblack | −0.46 (0.09) | 0.46 (0.09) |
| MEpurple | −0.35 (0.2) | 0.35 (0.2) |
| MElightsteelblue1 | −0.49 (0.06) | 0.49 (0.06) |
| MEgrey | −0.054 (0.8) | 0.054 (0.8) |



B

## Module−trait relationships

| | RSA | Control |
|---|---|---|
| MElightyellow | 0.14 (0.7) | −0.14 (0.7) |
| MEdarkorange2 | −0.18 (0.6) | 0.18 (0.6) |
| MEmagenta | −0.28 (0.4) | 0.28 (0.4) |
| MElightcyan1 | 0.029 (0.9) | −0.029 (0.9) |
| MEpurple | 0.59 (0.04) | −0.59 (0.04) |
| MEdarkgreen | 0.34 (0.3) | −0.34 (0.3) |
| MEplum1 | −0.11 (0.7) | 0.11 (0.7) |
| MEsalmon | 0.14 (0.7) | −0.14 (0.7) |
| MEsienna3 | 0.072 (0.8) | −0.072 (0.8) |
| MEgrey60 | −0.28 (0.4) | 0.28 (0.4) |
| MEorange | 0.0093 (1) | −0.0093 (1) |
| MEdarkgrey | −0.53 (0.08) | 0.53 (0.08) |
| MEorangered4 | −0.34 (0.3) | 0.34 (0.3) |
| MEdarkorange | −0.021 (0.9) | 0.021 (0.9) |
| MEblue | −0.17 (0.6) | 0.17 (0.6) |
| MEivory | 0.28 (0.4) | −0.28 (0.4) |
| MEviolet | −0.051 (0.9) | 0.051 (0.9) |
| MEdarkturquoise | 0.0039 (1) | −0.0039 (1) |
| MEbrown4 | 0.29 (0.4) | −0.29 (0.4) |
| MEpink | 0.0083 (1) | −0.0083 (1) |
| MEdarkslateblue | −0.089 (0.8) | 0.089 (0.8) |
| MEyellowgreen | −0.54 (0.07) | 0.54 (0.07) |
| MEfloralwhite | −0.25 (0.4) | 0.25 (0.4) |
| MEtan | −0.31 (0.3) | 0.31 (0.3) |
| MEroyalblue | −0.45 (0.1) | 0.45 (0.1) |
| MElightgreen | −0.28 (0.4) | 0.28 (0.4) |
| MEskyblue | −0.18 (0.6) | 0.18 (0.6) |
| MEsteelblue | −0.48 (0.1) | 0.48 (0.1) |
| MElightsteelblue1 | −0.52 (0.09) | 0.52 (0.09) |
| MEgreen | −0.79 (0.002) | 0.79 (0.002) |
| MEturquoise | −0.54 (0.07) | 0.54 (0.07) |
| MEmidnightblue | −0.69 (0.01) | 0.69 (0.01) |
| MEpaleturquoise | 0.55 (0.07) | −0.55 (0.07) |
| MEskyblue3 | 0.29 (0.4) | −0.29 (0.4) |
| MEmediumpurple3 | 0.55 (0.06) | −0.55 (0.06) |
| MEdarkmagenta | 0.51 (0.09) | −0.51 (0.09) |
| MEblack | 0.053 (0.9) | −0.053 (0.9) |
| MEwhite | −0.062 (0.8) | 0.062 (0.8) |
| MEdarkred | −0.026 (0.9) | 0.026 (0.9) |
| MElightcyan | 0.38 (0.2) | −0.38 (0.2) |
| MEbisque4 | 0.68 (0.01) | −0.68 (0.01) |
| MEgreenyellow | −0.33 (0.3) | 0.33 (0.3) |
| MEsaddlebrown | 0.11 (0.7) | −0.11 (0.7) |
| MEyellow | 0.3 (0.3) | −0.3 (0.3) |
| MEcyan | 0.2 (0.5) | −0.2 (0.5) |
| MEdarkolivegreen | 0.5 (0.1) | −0.5 (0.1) |
| MEplum2 | −0.24 (0.5) | 0.24 (0.5) |
| MEbrown | 0.054 (0.9) | −0.054 (0.9) |
| MEred | −0.26 (0.4) | 0.26 (0.4) |
| MEgrey | −0.2 (0.5) | 0.2 (0.5) |