## **Module–Trait Relationships (Stage–First Order)**

MEsteelblue	-0.52 (0.001)	0.14 (0.4)	0.21 (0.2)	0.21 (0.2)	-0.52 (0.001)	0.14 (0.4)	0.17 (0.3)	0.15 (0.4)	-0.52 (0.001)	0.19 (0.3)	0.19 (0.3)	0.15 (0.4)	]
MEturquoise	0.17	-0.25	0.13	-0.17	0.12	-0.3	-0.36	-0.2	-0.3	0.63	0.25	0.27	
· ·	(0.3)	(0.1) -0.29	(0.4) 0.36	(0.3) 0.037	(0.5) 0.045	(0.08) -0.33	(0.03) -0.028	(0.2) -0.2	(0.07) -0.19	(3e-05) 0.69	(0.1) -0.32	(0.1) 0.12	
MEdarkred	(0.6) -0.021	(0.09) -0.27	(0.03) 0.37	(0.8) 0.43	(0.8) 0.084	(0.05) -0.3	(0.9) -0.2	(0.2) -0.11	(0.3) -0.11	(3e-06) 0.59	(0.05) -0.18	(0.5) -0.28	
MEpurple	(0.9)	(0.1)	(0.02)	(0.01)	(0.6)	(0.07)	(0.2)	(0.5)	(0.5)	(2e-04)	(0.3)	(0.09)	
MElightgreen	0.13 (0.5)	-0.34 (0.04)	-0.28 (0.09)	-0.19 (0.3)	0.1 (0.6)	-0.29 (0.09)	0.39 (0.02)	0.12 (0.5)	-0.26 (0.1)	0.68 (5e-06)	-0.1 (0.5)	0.053 (0.8)	
MEdarkgrey	-0.22 (0.2)	-0.35 (0.03)	-0.34 (0.04)	-0.24 (0.2)	0.44 (0.007)	-0.18 (0.3)	0.039 (0.8)	0.13 (0.4)	-0.22 (0.2)	0.57 (3e-04)	0.29 (0.08)	0.087 (0.6)	
MEskyblue	-0.45	-0.31	-0.29	-0.15	0.43	-0.16	0.32	0.27	0.029	0.48	-0.042	-0.12	
	(0.006) -0.063	(0.06) -0.27	(0.09) -0.078	(0.4) 0.35	(0.01) -0.024	(0.3) -0.31	(0.06) 0.28	(0.1) -0.045	(0.9) 0.036	(0.003)	(0.8) -0.22	(0.5) -0.27	
MEmidnightblue	(0.7) -0.12	(0.1) -0.28	(0.7) -0.048	(0.04) -0.038	(0.9) -0.24	(0.07) -0.34	(0.09) 0.34	(0.8) -0.054	(0.8) 0.32	(1e-04) 0.67	(0.2) -0.29	(0.1) 0.079	
MEmagenta	(0.5)	(0.09)	(0.8)	(0.8)	(0.2)	(0.04)	(0.05)	(0.8)	(0.05)	(8e-06)	(0.09)	(0.6)	_ ~
MEtan	-0.32 (0.06)	-0.26 (0.1)	-0.24 (0.2)	0.022 (0.9)	-0.12 (0.5)	-0.25 (0.1)	0.33 (0.05)	0.27 (0.1)	0.42 (0.01)	0.52 (0.001)	-0.1 (0.6)	-0.27 (0.1)	
MEdarkgreen	-0.23 (0.2)	-0.3 (0.07)	-0.29 (0.09)	-0.23 (0.2)	-0.21 (0.2)	-0.28 (0.1)	0.018 (0.9)	0.092 (0.6)	0.44 (0.008)	0.62 (5e-05)	0.27 (0.1)	0.1 (0.6)	
MEroyalblue	-0.074	-0.3	0.31	-0.053	-0.26	-0.31	-0.32	-0.12	0.31	0.65	0.021	0.16	
MEblack	(0.7)	(0.08) 0.2	(0.07) 0.53	(0.8) -0.18	(0.1) 0.16	(0.07) 0.14	(0.05) -0.46	(0.5) -0.11	(0.07) -0.36	(2e-05) -0.36	(0.9) -0.016	(0.4) 0.24	
	(0.2) 0.15	(0.2) 0.18	(9e-04) 0.55	(0.3) -0.16	(0.4) 0.25	(0.4) 0.19	(0.005) -0.13	(0.5) 0.15	(0.03) -0.4	(0.03) -0.37	(0.9) -0.37	(0.2) -0.018	2
MEgrey60	(0.4)	(0.3)	(5e-04)	(0.4)	(0.1)	(0.3)	(0.4)	(0.4)	(0.02)	(0.02)	(0.02)	(0.9)	0.5
MEdarkmagenta	0.082 (0.6)	0.12 (0.5)	0.016 (0.9)	0.62 (6e-05)	0.098 (0.6)	0.066 (0.7)	-0.37 (0.03)	-0.25 (0.1)	-0.22 (0.2)	-0.22 (0.2)	0.35 (0.03)	-0.29 (0.09)	
MEsienna3	0.15 (0.4)	0.16 (0.3)	0.32 (0.05)	0.41 (0.01)	0.23 (0.2)	0.11 (0.5)	-0.5 (0.002)	-0.26 (0.1)	-0.4 (0.02)	-0.31 (0.07)	0.19 (0.3)	-0.093 (0.6)	
MEyellow	0.13	0.15	0.52 (0.001)	0.38 (0.02)	0.2 (0.2)	0.14 (0.4)	-0.32 (0.06)	-0.06 (0.7)	-0.36	-0.33 (0.05)	-0.18 (0.3)	-0.28	
MEcyan	(0.4) -0.028	(0.4) 0.087	0.25	0.3	-0.28	0.19	0.23	0.077	(0.03) 0.28	-0.31	-0.46	(0.1) -0.34	
	(0.9) 0.18	(0.6) 0.11	(0.1) 0.37	(0.07) 0.25	(0.1) 0.0079	(0.3) 0.19	(0.2) 0.17	(0.7) 0.033	(0.1) -0.23	(0.07) -0.33	(0.005) -0.51	(0.04) -0.25	
MElightcyan	(0.3) -0.055	(0.5)	(0.03)	(0.1)	(1)	(0.3)	(0.3)	(0.8)	(0.2)	(0.05)	(0.001)	(0.1)	
MEdarkolivegreen	(0.8)	0.054 (0.8)	-0.23 (0.2)	0.52 (0.001)	0.32 (0.05)	0.1 (0.5)	0.33 (0.05)	0.011 (1)	-0.3 (0.08)	-0.19 (0.3)	-0.099 (0.6)	-0.47 (0.004)	
MEskyblue3	-0.13 (0.4)	-0.021 (0.9)	0.25 (0.1)	0.7 (2e-06)	0.15 (0.4)	-0.078 (0.7)	0.04 (0.8)	-0.21 (0.2)	-0.062 (0.7)	0.035 (0.8)	-0.31 (0.07)	-0.37 (0.03)	
MEbrown	-0.23 (0.2)	0.14 (0.4)	-0.34 (0.04)	-0.31 (0.06)	-0.29 (0.08)	0.14 (0.4)	0.43 (0.009)	0.29 (0.09)	0.53 (8e-04)	-0.31 (0.07)	-0.065 (0.7)	0.015 (0.9)	
MEpink	-0.27	0.025	-0.15	0.46	-0.15	0.02	0.32	0.067	0.38	-0.084	-0.17	-0.46	.5
MEred	(0.1) -0.38	(0.9) 0.094	(0.4) -0.24	(0.005) 0.056	(0.4) -0.17	(0.9) 0.097	(0.06) 0.38	(0.7) 0.33	(0.02) 0.53	(0.6) -0.23	(0.3) -0.13	(0.005) -0.35	
	(0.02) 0.13	(0.6) 0.16	(0.2) -0.25	(0.7) -0.3	(0.3) 0.25	(0.6) 0.18	(0.02) 0.57	(0.05) 0.23	(9e-04) -0.39	(0.2) -0.36	(0.4) -0.3	(0.04) 0.071	
MEsaddlebrown	(0.4)	(0.4)	(0.1)	(0.07)	(0.1)	(0.3)	(3e-04)	(0.2)	(0.02)	(0.03)	(0.08)	(0.7)	
MEdarkturquoise	-0.62 (7e-05)	0.08 (0.6)	-0.34 (0.04)	-0.19 (0.3)	0.34 (0.04)	0.15 (0.4)	0.18 (0.3)	0.34 (0.04)	0.3 (0.07)	-0.26 (0.1)	0.16 (0.4)	-0.15 (0.4)	
MEorange	-0.35 (0.04)	0.068 (0.7)	-0.35 (0.04)	-0.0018 (1)	0.53 (9e-04)	0.17 (0.3)	0.36 (0.03)	0.34 (0.04)	-0.17 (0.3)	-0.27 (0.1)	-0.014 (0.9)	-0.31 (0.06)	III _
MEwhite	-0.23 (0.2)	0.14 (0.4)	-0.44 (0.007)	-0.27 (0.1)	0.55 (5e-04)	0.19 (0.3)	0.19 (0.3)	0.26 (0.1)	-0.3 (0.07)	-0.35 (0.04)	0.25 (0.1)	0.0054	7
MEyellowgreen	0.26	0.18	-0.2	-0.54	-0.16	0.044	0.21	0.17	-0.061	-0.19	0.083	0.2	
MEblue	(0.1) 0.19	(0.3) 0.21	(0.2) 0.052	(6e-04) -0.18	(0.4) 0.24	(0.8) 0.15	(0.2) -0.45	(0.3) -0.16	(0.7) -0.42	(0.3) -0.38	(0.6) 0.44	(0.2) 0.3	
	(0.3) 0.23	(0.2) 0.23	(0.8) -0.31	(0.3) -0.4	(0.2) 0.16	(0.4) 0.16	(0.006) -0.11	(0.3) 0.16	(0.01) -0.38	(0.02) -0.38	(0.008) 0.45	(0.07) 0.18	
MEdarkorange	(0.2)	(0.2)	(0.06)	(0.02)	(0.3)	(0.3)	(0.5)	(0.3)	(0.02)	(0.02)	(0.005)	(0.3)	
MElightyellow	-0.2 (0.2)	0.14 (0.4)	0.48 (0.003)	0.03 (0.9)	-0.35 (0.04)	0.084 (0.6)	-0.37 (0.03)	-0.21 (0.2)	0.55 (5e-04)	-0.27 (0.1)	-0.077 (0.7)	0.19 (0.3)	
MEsalmon	-0.28 (0.1)	0.17 (0.3)	-0.19 (0.3)	-0.31 (0.07)	-0.27 (0.1)	0.14 (0.4)	-0.22 (0.2)	0.17 (0.3)	0.57 (3e-04)	-0.33 (0.05)	0.42 (0.01)	0.13 (0.5)	
MEviolet	-0.21 (0.2)	-0.097 (0.6)	-0.11 (0.5)	-0.31 (0.06)	-0.31 (0.06)	-0.13 (0.5)	-0.29 (0.09)	0.068 (0.7)	0.53 (8e-04)	0.23 (0.2)	0.43 (0.01)	0.2 (0.3)	
MEpaleturquoise	0.17	0.18	0.15	-0.35	-0.39	0.16	-0.47	0.083	0.23	-0.35	0.37	0.23	
	(0.3) 0.26	(0.3) 0.22	(0.4) -0.35	(0.04) -0.43	(0.02) -0.34	(0.4) 0.098	(0.004) -0.11	(0.6) 0.27	(0.2) 0.077	(0.04) -0.32	(0.03) 0.49	(0.2) 0.13	
MEplum1	(0.1)	(0.2)	(0.04)	(0.008)	(0.04)	(0.6)	(0.5)	(0.1)	(0.7)	(0.06)	(0.002)	(0.4)	
	Laruse Atentis	Laure Mcan	Targe Suga	18the Sh	Med Aleniis	New Vices	Weigs Sugn	Wetg Edie	Spat Alertile	spat man	Sept Pagn	sp <sup>at</sup>	