MElightgreen	-0.0074 (1) -0.016	-0.019 (0.9) -0.048	0.02 (0.9) 0.052	0.035 (0.8) 0.027	0.024 (0.9) 0.056	-0.013 (0.9) -0.043	-0.018 (0.9) -0.018	0.005 (1) 0.028	-0.019 (0.9) -0.045	-0.034 (0.8) -0.026	-0.029 (0.8) -0.069	-0.086 (0.6) -0.088	0.018 (0.9) 0.019	
//Emediumpurple3  MEyellowgreen	(0.9) -0.029	(0.8) 2.9e-05	(0.7) 0.036	(0.9) 0.055	(0.7) 0.041	(0.8) -0.033	(0.9) -0.046	(0.9) 0.042	(0.8) 0.046	(0.9) -0.027	(0.6) 0.04	(0.6) -0.045	(0.9) 0.013	
MEgreen	(0.8) -0.013	(1) -0.069	(0.8) 0.077	(0.7) 0.027 (0.0)	(0.8) 0.058	(0.8) -0.042	(0.8) -0.02	(0.8) 0.04	(0.8) -0.026	(0.9) -0.022	(0.8) -0.041	(0.8) -0.079 (0.6)	(0.9) 0.0021	1
MEpink	(0.9) -0.096 (0.5)	(0.6) -0.034 (0.8)	(0.6) 0.04 (0.8)	(0.9) 0.00035 (1)	(0.7) 0.041 (0.8)	(0.8) -0.0045 (1)	(0.9) 0.0029 (1)	(0.8) -0.015 (0.9)	(0.9) -0.038 (0.8)	(0.9) -0.026 (0.9)	(0.8) -0.042 (0.8)	(0.6) -0.042 (0.8)	(1) 0.029 (0.8)	
MElightsteelblue1	(0.5) 0.1 (0.5) 0.087	(0.8) -0.068 (0.7) 0.011	(0.8) 0.076 (0.6) -0.016	0.049 (0.7) 0.0064	(0.8) 0.051 (0.7) -0.0035	(1) -0.026 (0.9) 0.008	-0.046 (0.8) -0.013	(0.9) 0.031 (0.8) 0.0022	(0.8) -0.011 (0.9) 0.02	(0.9) -0.047 (0.8) -0.0049	(0.8) -0.014 (0.9) 0.032	(0.8) -0.047 (0.8) 0.02	(0.8) 0.018 (0.9) 0.01	
MEskyblue	0.087 (0.6) 0.059	0.011 (0.9) –0.009	-0.016 (0.9) 0.0092	0.0064 (1) –0.0041	-0.0035 (1) 0.0096	0.008 (1) –0.0018	-0.013 (0.9) -0.0036	0.0022 (1) –0.0072	0.02 (0.9) -0.015	-0.0049 (1) 0.0027	0.032 (0.8) -0.00088	0.02 (0.9) -0.014	0.01 (0.9) –0.0095	
MEorange	(0.7) -0.051	-0.009 (1) -0.047	(1) 0.043	(1) 0.0024	(0.9) 0.027	(1) -0.0023	(1) 0.0045	(1) -0.015	(0.9) -0.034	(1) -0.024	(1) -0.05	(0.9) -0.062	(0.9) 0.012	
MEturquoise MEtan	(0.7) 0.0074	(0.8) -0.024	(0.8) 0.036	(1) 0.015	(0.9) 0.042	(1) -0.015	(1) –0.011	(0.9) -0.014	(0.8) -0.035	(0.9) -0.034	(0.7) -0.045	(0.7) -0.081	(0.9) 0.02	
MEyellow MEyellow	(1) -0.022 (0.9)	(0.9) -0.011 (0.9)	(0.8) 0.022 (0.9)	(0.9) 0.018 (0.9)	(0.8) 0.03 (0.8)	(0.9) -0.0098 (0.9)	(0.9) -0.012 (0.9)	(0.9) -0.006	(0.8) -0.014 (0.9)	(0.8) -0.024 (0.9)	(0.8) -0.019 (0.9)	(0.6) -0.035 (0.8)	(0.9) 0.032 (0.8)	
MEmidnightblue	(0.9) -0.068 (0.7) 0.057	(0.9) 0.0063 (1) 0.045	(0.9) -0.0055 (1)	(0.9) 0.0096 (0.9) -0.036	(0.8) -0.0011 (1) -0.015	(0.9) -0.032 (0.8) 0.014	(0.9) -0.015 (0.9) 0.025	(1) 0.016 (0.9) –0.019	(0.9) -0.019 (0.9) 0.022	(0.9) -0.0049 (1) -0.011	(0.9) -0.041 (0.8) -0.01	-0.11 (0.5) 0.011	(0.8) -0.031 (0.8) 0.0055	
MEcyan	0.057 (0.7) 0.041	0.045 (0.8) 0.031	-0`.ó49 (0.7) -0.034	-0.036 (0.8) 0.0043	–0.015 (0.9) 0.0018	0.014 (0.9) 0.0098	0.025 (0.9) 0.0034	-0.019 (0.9) -0.0035	0.022 (0.9) 0.0097	-0.011 (0.9) -0.012	-0.01 (0.9) 0.0059	0.011 (0.9) –0.0021	0.0055 (1) 0.018	
MEivory	(0.8) 0.079	(0.8) 0.075	-0.034 (0.8) -0.041	(1) 0.0018	(1) 0.024	(0.9) 0.0027	(1) 0.0059	-0.0033 (1) -0.0013	(0.9) 0.029	(0.9) -0.064	(1) -0.014	-0.0021 (1) -0.17	(0.9) 0.017	
MEdarkgrey MEthistle2	(0.6) 0.012	(0.6) 0.042	(0.8) -0.0067	(1) 0.044	(0.9) 0.036	(1) -0.038	(1) -0.031	(1) 0.027	(0.8) -0.0054	(0.7) -0.047	(0.9) -0.028	(0.2) -0.15	(0.9) 0.038	
MElightpink4	(0.9) -0.12 (0.4)	(0.8) 0.052 (0.7)	(1) -0.037 (0.8)	(0.8) 0.014 (0.9)	(0.8) -0.0011 (1)	(0.8) -0.015	(0.8) -0.0031	(0.9) 0.0014 (1)	(1) -0.0053	(0.8) -0.01	(0.9) -0.016 (0.9)	(0.3) -0.088 (0.6)	(0.8) 0.01 (0.9)	
MEplum2	(0.4) -0.042 (0.8)	0.021 (0.9)	(0.8) -0.002 (1)	(0.9) 0.015 (0.9)	0.04 (0.8)	(0.9) -0.052 (0.7)	(1) -0.015 (0.9)	0.04 (0.8)	(1) -0.0067 (1)	(0.9) -0.021 (0.9)	(0.9) -0.036 (0.8)	(0.6) -0.096 (0.5)	(0.9) 0.012 (0.9)	- 0.5
MEsteelblue	(0.8) -0.03 (0.8) 0.074	0.062 (0.7)	(1) -0.033 (0.8) -0.022	(0.9) -0.0064 (1)	0.0063 (1)	-0.0055 (1)	0.024 (0.9) 0.035	-0.0025 (1)	0.019 (0.9) -0.00026	(0.9) -0.03 (0.8) 0.099	(0.8) -0.037 (0.8)	(0.5) -0.097 (0.5) -0.035	(0.9) 0.013 (0.9)	
MEblue MElichteren4	(0.6) 0.037	0.016 (0.9) -0.14	-0.022 (0.9) 0.078	-0.069 (0.6) 0.087	-0`.0´36 (0.8) 0.12	−0`.0´26 (0.9) −0.043	0.035 (0.8) -0.068	0.013 (0.9) 0.02	-0.00026 (1) -0.076	0.099 (0.5) -0.079	-0.018 (0.9) -0.051	-0.035 (0.8) -0.066	-0.08 (0.6) 0.018	
MElightcyan1  MEplum1	(0.8) -0.11	(0.3) 0.0038	(0.6) 0.027	(0.6) -0.007	(0.4) 0.015	(0.8) -0.051	(0.7) 0.0035	(0.9) 0.032	(0.6) -0.02	(0.6) 0.017	(0.7) -0.055	(0.7) -0.13	(0.9) -0.061	
MEcoral1	(0.5) 0.035 (0.8)	(1) 0.017 (0.9)	(0.9) -0.019 (0.9)	(1) -0.045 (0.8)	(0.9) -0.019 (0.9)	(0.7) -0.021 (0.9)	(1) 0.028 (0.9)	(0.8) 0.0085 (1)	(0.9) 0.00024 (1)	(0.9) 0.052 (0.7)	(0.7) -0.033 (0.8)	(0.4) -0.14 (0.4)	(0.7) -0.066 (0.7)	
MEpalevioletred3	(0.8) 0.13 (0.4) 0.059	(0.9) -0.0024 (1) -0.0089	(0.9) 0.0097 (0.9) 0.016	(0.8) -0.022 (0.9) -0.064	(0.9) -0.005 (1) -0.03	(0.9) -0.019 (0.9) -0.05	(0.9) 0.0049 (1) 0.035	(1) 0.01 (0.9) 0.032	(1) -0.0059 (1) -0.00092	(0.7) 0.032 (0.8) 0.096	(0.8) -0.0092 (1) -0.05	(0.4) -0.066 (0.7) -0.081	(0.7) -0.058 (0.7) -0.11	
MEdarkred	0.059 (0.7) -0.021	-0.0089 (1) 0.0013	0.016 (0.9) 0.046	-0.064 (0.7) -0.051	-0.03 (0.8) -0.02	-0.05 (0.7) -0.071	0.035 (0.8) 0.021	0.032 (0.8) 0.051	-0.00092 (1) 0.0092	0.096 (0.5) 0.08	-0.05 (0.7) -0.064	-0.081 (0.6) -0.056	-0.11 (0.5) -0.088	
MEmagenta MEdarkolivegreen	(0.9) -0.00043	(1) 0.012	(0.8) 0.015	(0.7) -0.025	(0.9) -0.0098	(0.6) -0.035	(0.9) 0.0051	(0.7) 0.026	(1) -0.0046	(0.6) 0.035	(0.7) -0.022	(0.7) -0.027	(0.6) -0.039	
MEfloralwhite	(1) -0.006	(0.9) 0.0092	(0.9) 0.038	(0.9) -0.047	(0.9) -0.018	(0.8) -0.056	(1) 0.018	(0.9) 0.043	(1) 0.0093	(0.8) 0.069	(0.9) -0.046	(0.9) -0.074	(0.8) -0.081	
MEdarkorange	0.14 (0.4)	(1) -0.003 (1)	(0.8) 0.024 (0.9)	(0.8) -0.0031 (1)	(0.9) 0.026 (0.9)	(0.7) -0.015 (0.9)	(0.9) -0.0078 (1)	(0.8) 0.031 (0.8)	(1) 0.013 (0.9)	(0.7) -0.027 (0.9)	(0.8) -0.0015 (1)	(0.6) -0.03 (0.8)	(0.6) -0.014 (0.9)	
MEdarkturquoise	(0.4) 0.097 (0.5) 0.09	(1) 0.06 (0.7) 0.058	(0.9) -0.047 (0.8) -0.03	(1) -0.088 (0.6) -0.05	(0.9) -0.034 (0.8) -0.033	(0.9) 0.015 (0.9) –8e–04	0.055 (0.7) 0.029	(0.8) -0.012 (0.9) 0.0031	(0.9) 0.04 (0.8) 0.035	(0.9) 0.04 (0.8) 0.022	(1) -0.00022 (1) 5e-04	(0.8) 0.059 (0.7) 0.02	(0.9) -0.016 (0.9) -0.018	
MEpaleturquoise	(0.6) -0.0097	(0.7) 0.028	-0.03 (0.8) -0.017	-0.05 (0.7) -0.046	-0.033 (0.8) -0.0084	-8e-04 (1) -0.012	(0.8) 0.03	0.0031 (1) 0.0063	0.035 (0.8) 0.022	0.022 (0.9) 0.022	5e-04 (1) -0.024	0.02 (0.9) –0.027	-0.018 (0.9) -0.042	-0
MElavenderblush3  MEblack	(0.9) 0.092	(0.9) 0.074	(0.9) -0.049	(0.8) -0.097	(1) -0.018	(0.9) 0.025	(0.8) 0.076	(1) -0.0094	(0.9) 0.061	(0.9) -0.0032	(0.9) -0.0081	(0.9) -0.01	(0.8) -0.041	
MEbrown	(0.5) 0.014 (0.9)	(0.6) 0.046	(0.7) -0.039 (0.8)	(0.5) -0.085 (0.6)	(0.9) 0.0076 (1)	(0.9) 0.023 (0.9)	(0.6) 0.064 (0.7)	(1) -0.0012	(0.7) 0.06 (0.7)	(1) -0.029 (0.0)	(1) -0.0027	(0.9) 0.023 (0.9)	(0.8) -0.025	
MEantiquewhite4	-0.16 (0.3) -0.17	(0.8) 0.029 (0.9) -0.0058	(0.8) -0.04 (0.8) -0.051	(0.6) 0.0046 (1) 0.0072	-0.031 (0.8) -0.032	(0.9) -0.011 (0.9) 0.017	-0.0085 (1) -0.006	(1) 0.0032 (1) –0.0091	(0.7) 0.029 (0.8) 0.048	(0.9) 0.03 (0.8) 0.0039	(1) 0.011 (0.9) 0.032	0.034 (0.8) 0.065	(0.9) -0.043 (0.8) -0.044	
MElightcyan	-0.17 (0.3) -0.14	-0.0058 (1) 0.021	-0.051 (0.7) -0.043	0.0072 (1) -0.035	-0.032 (0.8) -0.059	0.017 (0.9) –0.0046	-0.006 (1) 0.036	-0.0091 (1) -0.0056	0.048 (0.8) 0.047	0.0039 (1) 0.08	0.032 (0.8) -0.02	0.065 (0.7) -0.0025	-0.044 (0.8) -0.1	
MEsaddlebrown MEsaddlebrown	(0.3) -0.026	(0.9) -0.046	(0.8) 0.051	(0.8) -0.0065	(0.7) 0.01	(1) -0.039	(0.8) 0.0056	(1) 0.038	(0.8) -0.0071	(0.6) 0.016	(0.9) -0.046	(1) -0.066	(0.5) -0.044	
MEskyblue3 MEorangered4	(0.9) -0.028	(0.8) 0.004	(0.7) -0.012	(1) -0.015	(0.9) 0.0021	(0.8) 0.00037	(1) 0.012 (2.2)	(0.8) 0.022	(1) 0.022 (0.0)	(0.9) 0.0073	(0.8) 0.027	(0.7) -0.018	(0.8) -0.017	
MEviolet	(0.9) -0.01 (0.9)	(1) 0.012 (0.9)	(0.9) 0.0069 (1)	(0.9) -0.014 (0.9)	(1) 0.0032 (1)	(1) -0.013 (0.9)	(0.9) 0.011 (0.9)	(0.9) 0.023 (0.9)	(0.9) 0.017 (0.9)	-0.0027 (1)	(0.9) -0.0091 (1)	(0.9) -0.016 (0.9)	(0.9) -0.021 (0.9)	
MEdarkmagenta	-\0.13 (0.4) -0.11	(0.9) 0.023 (0.9) 0.015	–0`.0́13 (0.9) 0.0068	(0.9) 0.022 (0.9) 0.03	0.\025 (0.9) 0.0073	(0.9) 0.014 (0.9) –0.012	(0.9) -0.0011 (1) -0.024	(0.9) -0.019 (0.9) 0.0083	(0.9) 0.0019 (1)	(1) -0.034 (0.8) -0.023	(1) -0.0097 (0.9) -0.0031	(0.9) -0.097 (0.5) -0.035	(0.9) 0.0084 (1) 0.0027	
MEdarkseagreen4	(0.5) -0.036	(0.9) 0.035	(1) -0.034	(0.8) -0.015	(1) -0.03	(0.9) 0.028	-0.024 (0.9) 0.028	(1) -0.035	0.ÒÓ71 (1) 0.0029	-0.023 (0.9) 0.022	(1) 0.0029	-0.035 (0.8) -0.021	(1) -0.0095	
MEbisque4  MElightyellow	(0.8) -0.14	(0.8) 0.045	(0.8) -0.042	(0.9) -0.051	(0.8) -0.039	(0.9) 0.032	(0.9) 0.056	(0.8) -0.061	(1) -0.029	(0.9) 0.039	(1) -0.035	(0.9) -0.021	(0.9) -0.035	
MEsalmon	(0.3) -0.056 (0.7)	(0.8) 0.065 (0.7)	(0.8) -0.071 (0.6)	(0.7) -0.049 (0.7)	(0.8) -0.04 (0.8)	(0.8) 0.043 (0.8)	(0.7) 0.051 (0.7)	(0.7) -0.046 (0.8)	(0.8) 0.01 (0.9)	(0.8) 0.019 (0.9)	(0.8) 0.015 (0.9)	(0.9) -0.011 (0.9)	(0.8) -0.023 (0.9)	0.5
MEred	(0.7) -0.087 (0.6) 0.02	(0.7) -0.036 (0.8) -0.018	(0.6) 0.037 (0.8) -0.019	(0.7) -0.0022 (1) -0.05	0.049 (0.7)	-0.0072 (1)	(0.7) 0.013 (0.9) 0.053	(0.8) -0.0015 (1)	(0.9) -0.034 (0.8) -0.03	(0.9) -0.034 (0.8) -0.014	-0.054 (0.7) -0.036	(0.9) -0.053 (0.7) -0.044	0.014 (0.9) -0.0041	
MEdarkorange2	0.02 (0.9) -0.026	-0.018 (0.9) 0.021	-0.019 (0.9) -0.046	-0.05 (0.7) -0.038	0.0061 (1) –0.0079	0.046 (0.8) 0.037	0.053 (0.7) 0.034	-0`.0́47 (0.8) -0.023	-0.03 (0.8) 0.021	-0.014 (0.9) -0.004	-0.036 (0.8) 0.022	-0.044 (0.8) -0.01	-0.0041 (1) -0.014	
MEpurple MEgreenvellow	(0.9) -0.11	(0.9) 0.0081	(0.8) -0.08	(0.8) -0.0036	(1) -0.047	(0.8) 0.02	(0.8) 0.002	(0.9) -0.051	(0.9) 0.0026	(1) 0.045	(0.9) -0.0089	(0.9) -0.00098	(0.9) 0.024	
MEgreenyellow  MEthistle1	(0.5) 0.0074	(1) -0.021	(0.6) 0.0098	(1) 0.0025	(0.8) 0.0045	(0.9) 0.05	(1) -0.012	(0.7) -0.038	(1) 0.056	(0.8) -0.06	(1) 0.02	(1) -0.0056	(0.9) -0.024	
MEnavajowhite2	(1) 0.096 (0.5)	(0.9) 0.034 (0.8)	(0.9) -0.011 (0.9)	(1) -0.1 (0.5)	(1) -0.0032 (1)	(0.7) 0.077 (0.6)	(0.9) 0.072 (0.6)	(0.8) -0.059 (0.7)	(0.7) 0.034 (0.8)	(0.7) -0.022 (0.9)	(0.9) 0.022 (0.9)	(1) 0.021 (0.9)	(0.9) 0.003 (1)	
MEwhite	0.01 (0.9) -0.017	(0.8) 0.002 (1) -0.03	(0.9) -0.03 (0.8) -0.0038	(0.5) -0.022 (0.9) -0.072	(1) -0.019 (0.9) 0.037	(0.6) 0.043 (0.8) 0.03	(0.6) 0.027 (0.9) 0.066	-0.049 (0.7) -0.079	(0.8) -0.02 (0.9) -0.097	(0.9) 0.0083 (1) -0.023	(0.9) 0.018 (0.9) -0.12	(0.9) 0.0052 (1) 0.00096	(1) -0.004 (1) 0.047	
MEbrown4	-0.017 (0.9) -0.084	-0.03 (0.8) -0.021	-0.0038 (1) 0.02	-0.072 (0.6) -0.017	0.037 (0.8) 0.023	0.03 (0.8) 0.023	0.066 (0.7) 0.01	-0.079 (0.6) -0.043	-0.097 (0.5) -0.041	-0.023 (0.9) -0.032	-0.12 (0.4) -0.024	0.00096 (1) –0.00036	0.047 (0.8) 0.022	
MEroyalblue MEsienna3	(0.6) -0.02	(0.9) -0.016	(0.9) -0.0056	(0.9) -0.059	(0.9) -0.0018	(0.9) 0.02	(0.9) 0.041	(0.8) -0.044	(0.8) -0.045	(0.8) 0.0032	(0.9) -0.048	(1) -0.02	(0.9) -0.024	
MEhoneydew1	(0.9) 0.025	(0.9) -0.02	(1) 0.026	(0.7) -0.04	(1) 0.0034 (1)	(0.9) -0.022 (0.9)	(0.8) 0.02 (0.9)	(0.8) 0.01 (0.9)	(0.8) -0.022 (0.9)	(1) 0.024 (0.9)	(0.8) -0.044 (0.8)	(0.9) -0.072	(0.9) -0.059 (0.7)	
MEdarkgreen	(0.9) -0.025 (0.9)	(0.9) -0.032 (0.8)	(0.9) 0.014 (0.9)	(0.8) -0.032 (0.8)	-0.0044 (1)	(0.9) 0.02 (0.9)	(0.9) 0.025 (0.9)	(0.9) -0.032 (0.8)	(0.9) -0.038 (0.8)	(0.9) -0.0022 (1)	(0.8) -0.035 (0.8)	(0.6) -0.052 (0.7)	-0.021 (0.9)	
MEsalmon4	-0.1 (0.5) 0.16	-0.05 (0.7) -0.023	0.066 (0.7) –0.0085	-0.036 (0.8) -0.019	0.013 (0.9) 0.0087	-0.036 (0.8) 0.0085	0.014 (0.9) 0.025	0.0059 (1) –0.016	-0.042 (0.8) -0.032	0.036 (0.8) –0.018	-0.083 (0.6) -0.037	-0.11 (0.5) -0.072	-0.07 (0.6) -0.017	
MEmaroon	0.16 (0.3) 0.14	-0.023 (0.9) 0.01	-0.0085 (1) -0.012	-0.019 (0.9) -0.033	0.0087 (1) –0.0049	0.0085 (1) 0.0035	0.025 (0.9) 0.023	-0.016 (0.9) -0.015	-0.032 (0.8) -0.022	-0.018 (0.9) -0.0054	-0.037 (0.8) -0.028	-0.072 (0.6) -0.042	-0.017 (0.9) -0.024	
MEdarkslateblue MEgrey60	(0.4) 0.056	(0.9) 0.029	(0.9) -0.028	(0.8) -0.031	(1) -0.024	(1) 0.029	(0.9) 0.031	(0.9) -0.039	(0.9) -0.0078	(1) 0.0045	(0.9) -0.0077	(0.8) -0.036	(0.9) -0.014	
MEgrey	(0.7) 0.018 (0.9)	(0.8) -0.0084 (1)	(0.9) 0.018 (0.9)	(0.8) -0.065 (0.7)	(0.9) -0.027 (0.9)	(0.8) -0.02 (0.9)	(0.8) 0.031 (0.8)	(0.8) 0.0025 (1)	(1) -0.013 (0.9)	(1) 0.065 (0.7)	(1) -0.043 (0.8)	(0.8) -0.039 (0.8)	(0.9) -0.091 (0.5)	
	ancestry	set	<i>b</i> ∂ <sub>8</sub>	nitoRate	AN rate	ced Gene	MadRate	&c <sub>V</sub>	80°	&C3	&C <sub>V</sub>	8 <sup>C5</sup>	&CO	_