

geno_pop ~ bio1 + bio12 + bio15 + bio3 + bio4

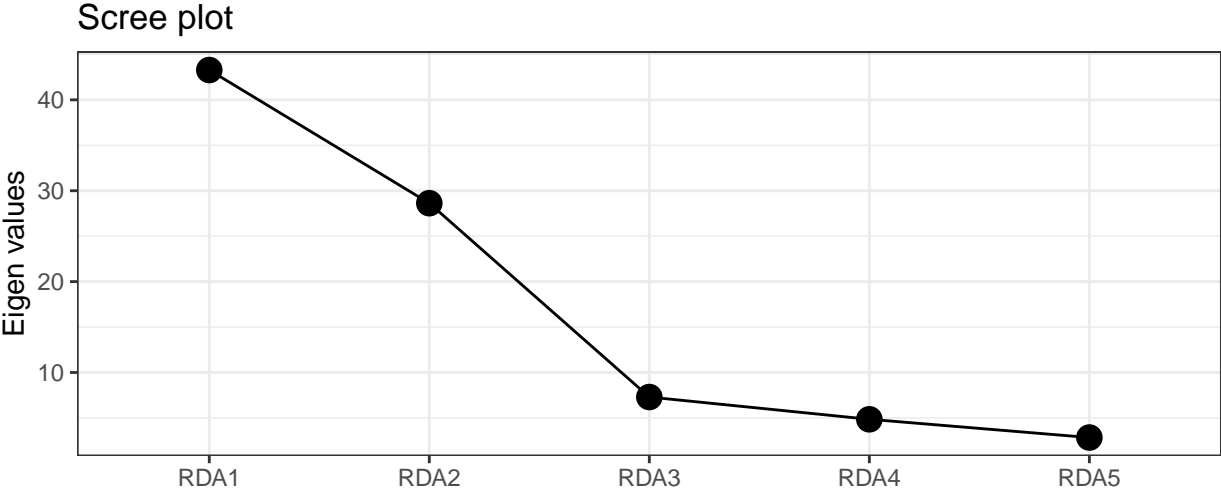
r.squared 0.37

adj.r.squared 0.26

	Df	Variance	F	Pr(>F)
Model	5	86.901	3.277	0.001
RDA1	1	43.28	8.16	0.001
RDA2	1	28.628	5.397	0.002
RDA3	1	7.298	1.376	0.623
RDA4	1	4.85	0.914	0.794
RDA5	1	2.845	0.536	0.916

	bio1	bio12	bio15	bio3	bio4
VIF	1.8	1.53	1.38	1.67	1.97

	RDA1	RDA2	RDA3	RDA4	RDA5
Eigenvalue	43.28	28.63	7.3	4.85	2.84
Proportion Explained	0.5	0.33	0.08	0.06	0.03
Cumulative Proportion	0.5	0.83	0.91	0.97	1



geno_pop ~ bio1 + bio12 + bio15 + bio3 + bio4 + Condition(PC1 + PC2 + PC3)

r.squared 0.13

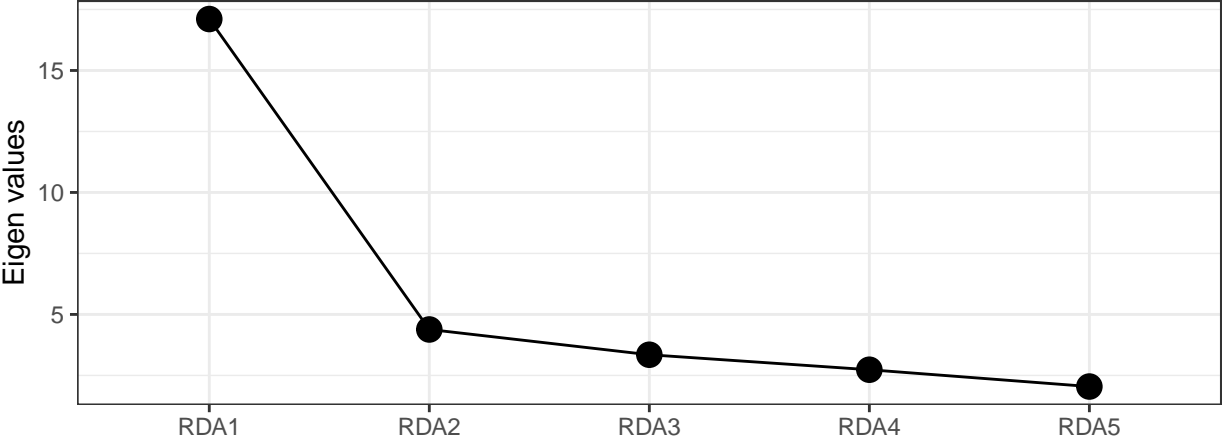
adj.r.squared 0.07

	Df	Variance	F	Pr(>F)
<i>Model</i>	5	29.615	2.13	0.001
<i>RDA1</i>	1	17.108	6.151	0.001
<i>RDA2</i>	1	4.383	1.576	0.414
<i>RDA3</i>	1	3.347	1.203	0.654
<i>RDA4</i>	1	2.733	0.983	0.783
<i>RDA5</i>	1	2.044	0.735	0.835

	PC1	PC2	PC3	bio1	bio12	bio15	bio3	bio4
<i>VIF</i>	2.24	3.01	1.71	2.19	1.63	3.9	2.31	4.68

	RDA1	RDA2	RDA3	RDA4	RDA5
<i>Eigenvalue</i>	17.11	4.38	3.35	2.73	2.04
<i>Proportion Explained</i>	0.58	0.15	0.11	0.09	0.07
<i>Cumulative Proportion</i>	0.58	0.73	0.84	0.93	1

Scree plot



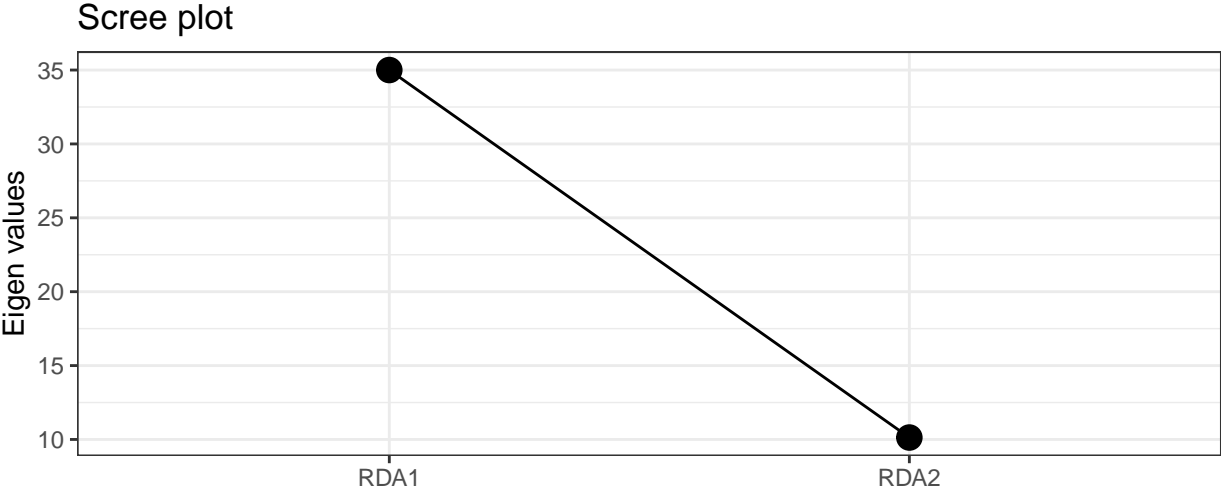
geno_pop ~ SP + MWMT

r.squared 0.19
adj.r.squared 0.14

	Df	Variance	F	Pr(>F)
Model	2	45.132	3.676	0.001
RDA1	1	35.001	5.702	0.001
RDA2	1	10.131	1.65	0.098

	SP	MWMT
VIF	1.44	1.44

	RDA1	RDA2
Eigenvalue	35	10.13
Proportion Explained	0.78	0.22
Cumulative Proportion	0.78	1



geno_pop ~ SP + MWMT + Condition(PC1 + PC2 + PC3)

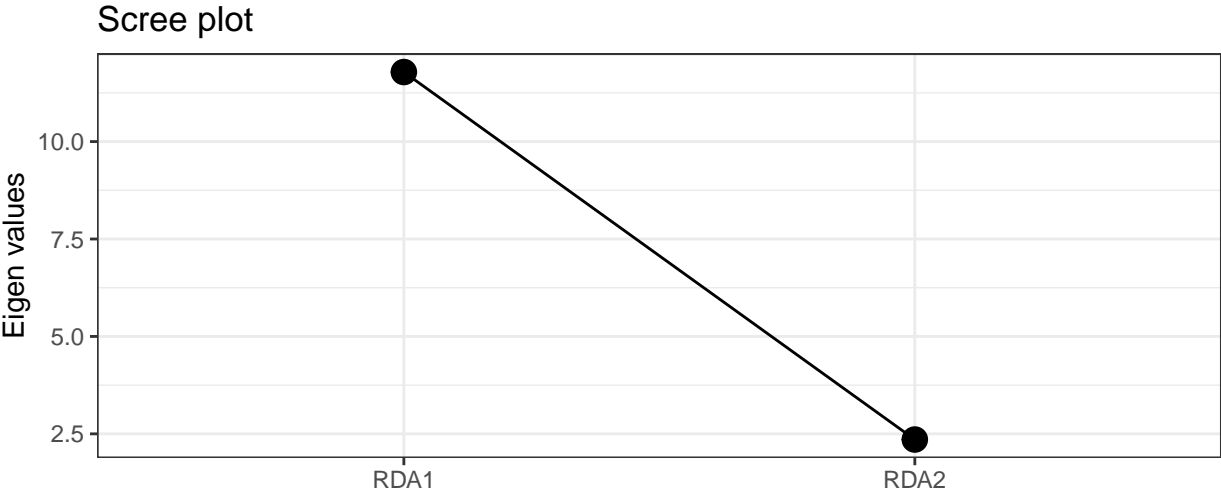
r.squared 0.06

adj.r.squared 0.04

	Df	Variance	F	Pr(>F)
Model	2	14.139	2.329	0.001
RDA1	1	11.785	3.882	0.001
RDA2	1	2.355	0.776	0.808

	PC1	PC2	PC3	SP	MWMT
VIF	1.55	1.24	1.43	1.84	2.41

	RDA1	RDA2
Eigenvalue	11.78	2.35
Proportion Explained	0.83	0.17
Cumulative Proportion	0.83	1



geno_pop ~ AHM + Eref + SHM + bio9 + bio1 + bio3

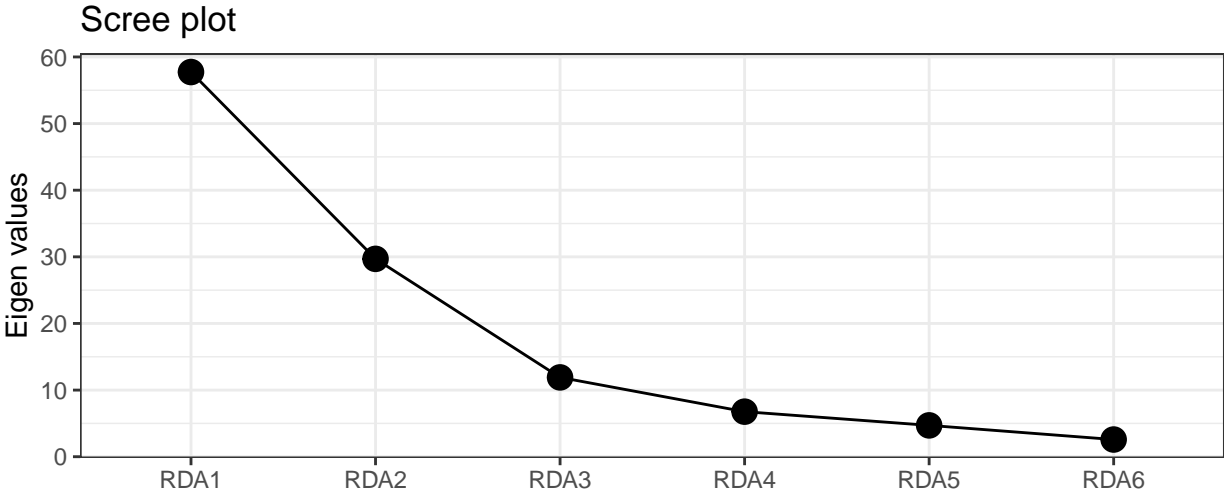
r.squared 0.48

adj.r.squared 0.37

	Df	Variance	F	Pr(>F)
<i>Model</i>	6	113.382	4.181	0.001
<i>RDA1</i>	1	57.737	12.774	0.001
<i>RDA2</i>	1	29.696	6.57	0.001
<i>RDA3</i>	1	11.904	2.634	0.092
<i>RDA4</i>	1	6.761	1.496	0.493
<i>RDA5</i>	1	4.703	1.041	0.694
<i>RDA6</i>	1	2.58	0.571	0.935

	AHM	Eref	SHM	bio9	bio1	bio3
<i>VIF</i>	3.26	5.55	2.9	3.92	2.88	2.67

	RDA1	RDA2	RDA3	RDA4	RDA5	RDA6
<i>Eigenvalue</i>	57.74	29.7	11.9	6.76	4.7	2.58
<i>Proportion Explained</i>	0.51	0.26	0.1	0.06	0.04	0.02
<i>Cumulative Proportion</i>	0.51	0.77	0.88	0.94	0.98	1



geno_pop ~ AHM + Eref + SHM + bio9 + bio1 + bio3 + Condition(PC1 + PC2 + PC3)

r.squared 0.14

adj.r.squared 0.08

	Df	Variance	F	Pr(>F)
Model	6	33.922	2.08	0.001
RDA1	1	16.95	6.237	0.001
RDA2	1	6.783	2.496	0.105
RDA3	1	3.428	1.261	0.729
RDA4	1	2.721	1.001	0.911
RDA5	1	2.25	0.828	0.928
RDA6	1	1.79	0.659	0.942

	PC1	PC2	PC3	AHM	Eref	SHM	bio9	bio1	bio3
VIF	4.81	2.87	1.63	7.51	12.26	10.47	6.53	3.67	6.62

	RDA1	RDA2	RDA3	RDA4	RDA5	RDA6
<i>Eigenvalue</i>	16.95	6.78	3.43	2.72	2.25	1.79
<i>Proportion Explained</i>	0.5	0.2	0.1	0.08	0.07	0.05
<i>Cumulative Proportion</i>	0.5	0.7	0.8	0.88	0.95	1

Scree plot

