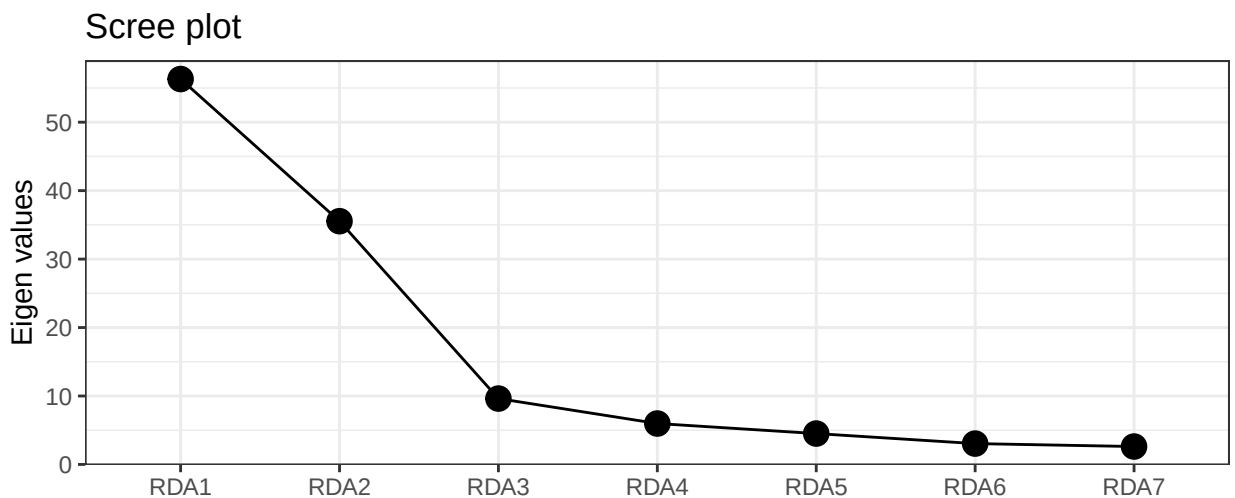
geno_pop ~ bio12 + bio1 + SP + MWMT + bio15 + bio4 + bio3

r.squared	0.46
adj.r.squared	0.31

	Df	Variance	F	Pr(>F)
Model	7	117.615	3.166	0.001
RDA1	1	56.302	10.608	0.001
RDA2	1	35.534	6.695	0.001
RDA3	1	9.623	1.813	0.676
RDA4	1	5.979	1.126	0.902
RDA5	1	4.513	0.85	0.943
RDA6	1	3.046	0.574	0.991
RDA7	1	2.618	0.493	0.945

	bio12	bio1	SP	MWMT	bio15	bio4	bio3
VIF	21.02	53.12	20.06	94.55	12.94	79.22	1.74

	RDA1	RDA2	RDA3	RDA4	RDA5	RDA6	RDA7
Eigenvalue	56.3	35.53	9.62	5.98	4.51	3.05	2.62
Proportion Explained	0.48	0.3	0.08	0.05	0.04	0.03	0.02
Cumulative Proportion	0.48	0.78	0.86	0.91	0.95	0.98	1



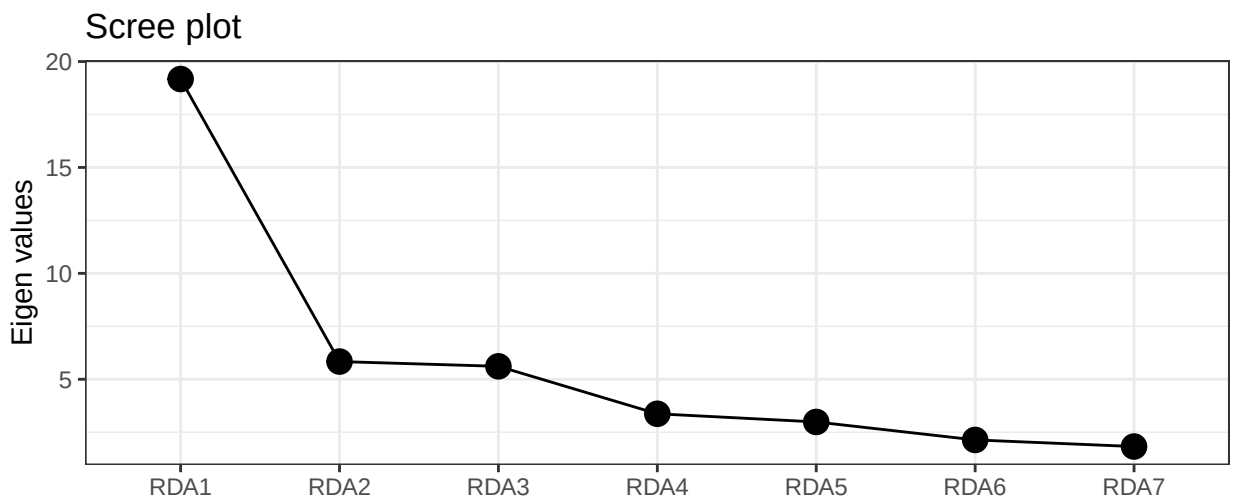
geno_pop ~ bio12 + bio1 + SP + MWMT + bio15 + bio4 + bio3 + Condition(PC1 + PC2 + PC3)

r.squared	0.16
adj.r.squared	0.09

	Df	Variance	F	Pr(>F)
Model	7	40.936	2.013	0.001
RDA1	1	19.174	6.6	0.001
RDA2	1	5.836	2.009	0.343
RDA3	1	5.611	1.931	0.216
RDA4	1	3.37	1.16	0.882
RDA5	1	2.985	1.027	0.921
RDA6	1	2.136	0.735	0.991
RDA7	1	1.824	0.628	0.958

	PC1	PC2	PC3	bio12	bio1	SP	MWMT	bio15	bio4	bio3
VIF	6.71	12.76	3.6	21.19	293.21	21.01	483.97	13.93	496.27	3.96

	RDA1	RDA2	RDA3	RDA4	RDA5	RDA6	RDA7
Eigenvalue	19.17	5.84	5.61	3.37	2.98	2.14	1.82
Proportion Explained	0.47	0.14	0.14	0.08	0.07	0.05	0.04
Cumulative Proportion	0.47	0.61	0.75	0.83	0.9	0.96	1



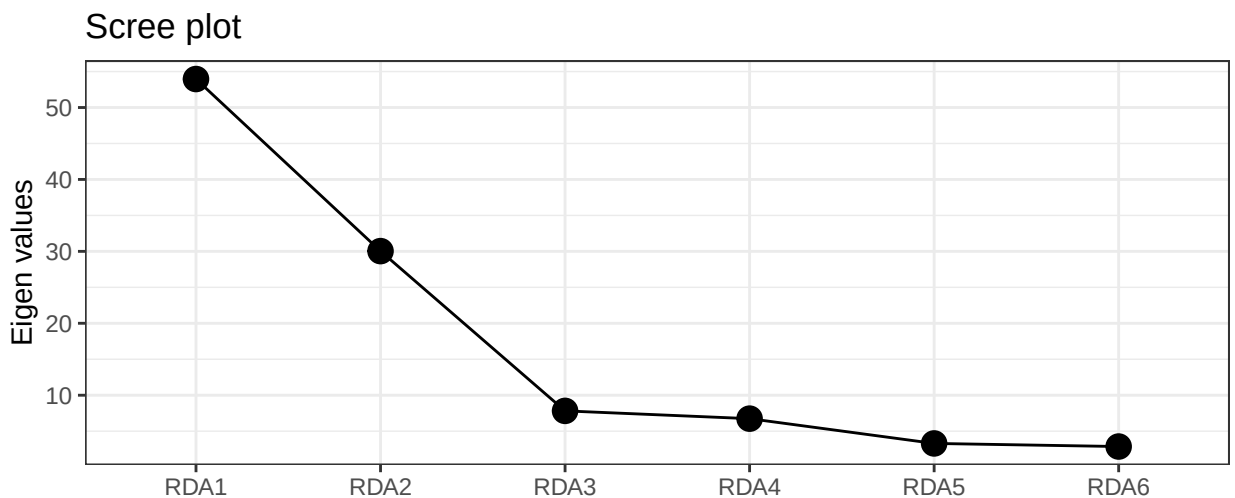
geno_pop ~ bio1 + bio12 + bio15 + bio3 + bio4 + SHM

r.squared	0.41
adj.r.squared	0.28

	Df	Variance	F	Pr(>F)
Model	6	104.721	3.123	0.001
RDA1	1	53.959	9.655	0.001
RDA2	1	30.035	5.374	0.001
RDA3	1	7.823	1.4	0.78
RDA4	1	6.742	1.206	0.741
RDA5	1	3.295	0.59	0.986
RDA6	1	2.867	0.513	0.927

	bio1	bio12	bio15	bio3	bio4	SHM
VIF	1.84	7.5	6.4	1.66	2	8.94

	RDA1	RDA2	RDA3	RDA4	RDA5	RDA6
Eigenvalue	53.96	30.04	7.82	6.74	3.3	2.87
Proportion Explained	0.52	0.29	0.07	0.06	0.03	0.03
Cumulative Proportion	0.52	0.8	0.88	0.94	0.97	1



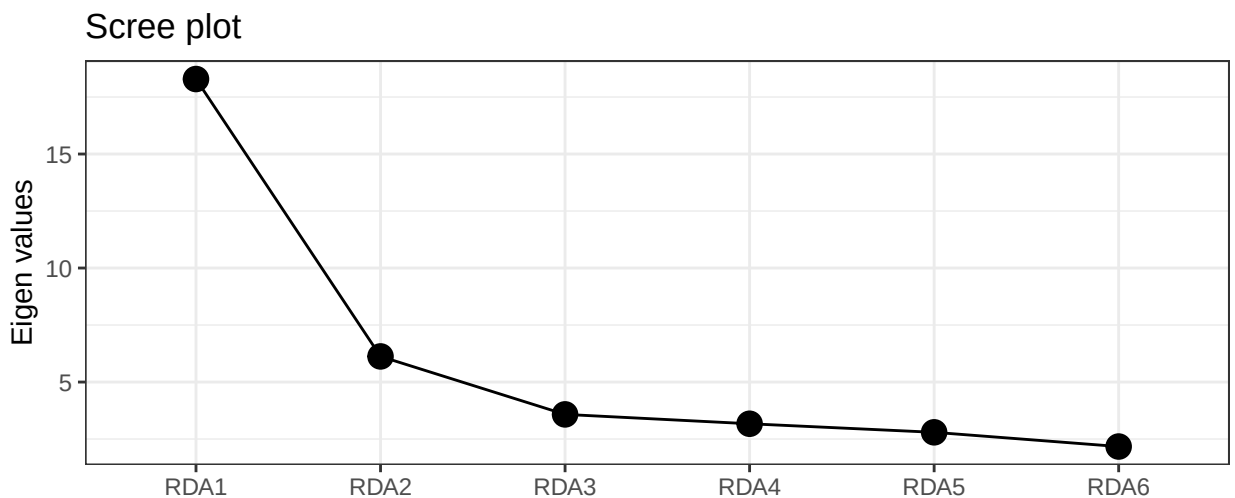
geno_pop ~ bio1 + bio12 + bio15 + bio3 + bio4 + SHM + Condition(PC1 + PC2 + PC3)

r.squared	0.14
adj.r.squared	0.08

	Df	Variance	F	Pr(>F)
Model	6	36.131	2.018	0.001
RDA1	1	18.289	6.128	0.001
RDA2	1	6.124	2.052	0.23
RDA3	1	3.581	1.2	0.811
RDA4	1	3.17	1.062	0.843
RDA5	1	2.795	0.936	0.839
RDA6	1	2.172	0.728	0.84

	PC1	PC2	PC3	bio1	bio12	bio15	bio3	bio4	SHM
VIF	3.26	2.74	1.61	2.21	7.66	9.19	2.46	3.9	9.45

	RDA1	RDA2	RDA3	RDA4	RDA5	RDA6
Eigenvalue	18.29	6.12	3.58	3.17	2.79	2.17
Proportion Explained	0.51	0.17	0.1	0.09	0.08	0.06
Cumulative Proportion	0.51	0.68	0.77	0.86	0.94	1



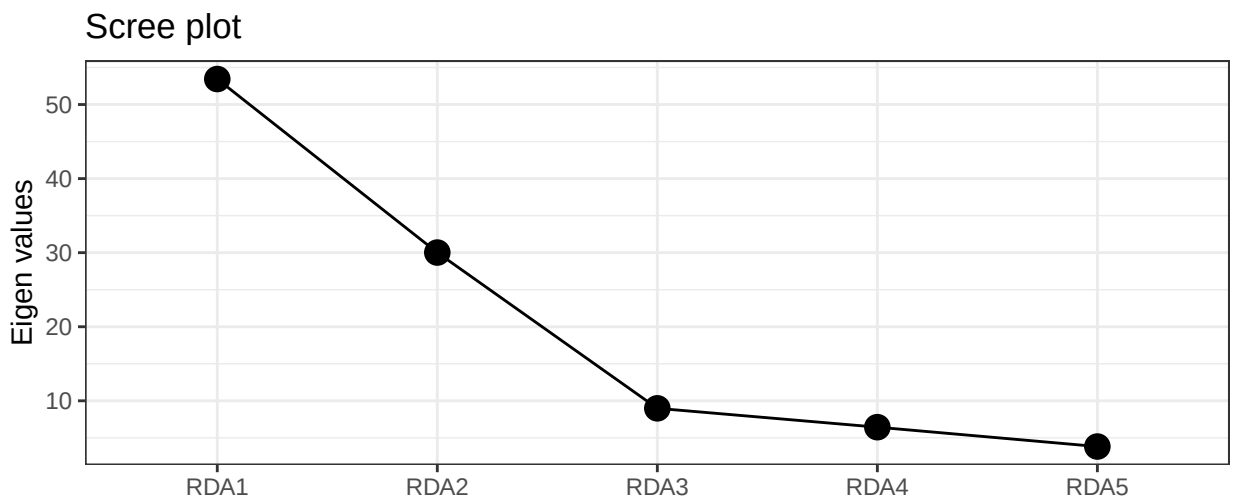
geno_pop ~ AHM + SHM + bio15 + bio4 + bio3

r.squared	0.4
adj.r.squared	0.3

	Df	Variance	F	Pr(>F)
Model	5	102.709	3.762	0.001
RDA1	1	53.443	9.787	0.001
RDA2	1	30.016	5.497	0.001
RDA3	1	8.984	1.645	0.398
RDA4	1	6.439	1.179	0.538
RDA5	1	3.827	0.701	0.747

	AHM	SHM	bio15	bio4	bio3
VIF	8.5	10.81	6.58	1.7	1.21

	RDA1	RDA2	RDA3	RDA4	RDA5
Eigenvalue	53.44	30.02	8.98	6.44	3.83
Proportion Explained	0.52	0.29	0.09	0.06	0.04
Cumulative Proportion	0.52	0.81	0.9	0.96	1



geno_pop ~ AHM + SHM + bio15 + bio4 + bio3 + Condition(PC1 + PC2 + PC3)

r.squared	0.13
adj.r.squared	0.08

	Df	Variance	F	Pr(>F)
Model	5	32.6	2.169	0.001
RDA1	1	18.038	6	0.001
RDA2	1	5.641	1.876	0.17
RDA3	1	3.655	1.216	0.658
RDA4	1	2.968	0.987	0.776
RDA5	1	2.299	0.765	0.819

	PC1	PC2	PC3	AHM	SHM	bio15	bio4	bio3
VIF	3.26	2.61	1.64	10.47	15.64	7.63	2.88	2.82

	RDA1	RDA2	RDA3	RDA4	RDA5
Eigenvalue	18.04	5.64	3.65	2.97	2.3
Proportion Explained	0.55	0.17	0.11	0.09	0.07
Cumulative Proportion	0.55	0.73	0.84	0.93	1