

Implementing MAPS in gene list recognition

13 December, 2022

1) Haploinsufficiency

HC

haploinsufficiency ~ MAPS

haploinsufficiency ~ oe_lof_upper

haploinsufficiency ~ oe_lof_upper + MAPS

LC

haploinsufficiency ~ MAPS

haploinsufficiency ~ oe_lof_upper

haploinsufficiency ~ oe_lof_upper + MAPS

Synonymous

haploinsufficiency ~ MAPS

haploinsufficiency ~ oe_lof_upper

haploinsufficiency ~ oe_lof_upper + MAPS

2) Olfactory

HC

haploinsufficiency ~ MAPS

haploinsufficiency ~ oe_lof_upper

term	estimate	std.error	statistic	p.value
(Intercept)	-5.612	0.165	-33.978	0
MAPS	1.703	0.423	4.026	0

term	estimate	std.error	statistic	p.value
(Intercept)	-2.154	0.195	-11.071	0
oe_lof_upper	-6.200	0.609	-10.184	0

term	estimate	std.error	statistic	p.value
(Intercept)	-1.746	0.235	-7.415	0.000
oe_lof_upper	-6.448	0.612	-10.532	0.000
MAPS	-0.995	0.356	-2.790	0.005

term	estimate	std.error	statistic	p.value
(Intercept)	-5.347	0.177	-30.167	0.000
MAPS	-0.437	0.450	-0.972	0.331

term	estimate	std.error	statistic	p.value
(Intercept)	-1.533	0.337	-4.547	0
oe_lof_upper	-7.394	1.132	-6.530	0

term	estimate	std.error	statistic	p.value
(Intercept)	-1.478	0.338	-4.375	0.000
oe_lof_upper	-7.419	1.132	-6.554	0.000
MAPS	-0.668	0.412	-1.622	0.105

term	estimate	std.error	statistic	p.value
(Intercept)	-4.917	0.085	-57.702	0.000
MAPS	2.180	1.018	2.142	0.032

term	estimate	std.error	statistic	p.value
(Intercept)	-1.973	0.158	-12.475	0
oe_lof_upper	-6.036	0.498	-12.114	0

term	estimate	std.error	statistic	p.value
(Intercept)	-1.998	0.160	-12.509	0.000
oe_lof_upper	-6.059	0.501	-12.086	0.000
MAPS	2.607	1.506	1.731	0.083

term	estimate	std.error	statistic	p.value
(Intercept)	-5.088	0.112	-45.389	0
MAPS	-2.980	0.349	-8.529	0

term	estimate	std.error	statistic	p.value
(Intercept)	-11.954	0.792	-15.084	0
oe_lof_upper	4.672	0.454	10.287	0

term	estimate	std.error	statistic	p.value
(Intercept)	-11.646	0.804	-14.479	0.000
oe_lof_upper	4.496	0.462	9.723	0.000
MAPS	-0.940	0.424	-2.219	0.026

term	estimate	std.error	statistic	p.value
(Intercept)	-3.151	0.062	-51.101	0.000
MAPS	-0.140	0.157	-0.891	0.373

term	estimate	std.error	statistic	p.value
(Intercept)	-7.878	0.365	-21.593	0
oe_lof_upper	3.306	0.217	15.204	0

haploinsufficiency ~ oe_lof_upper + MAPS

LC

haploinsufficiency ~ MAPS

haploinsufficiency ~ oe_lof_upper

haploinsufficiency ~ oe_lof_upper + MAPS

Synonymous

olfactory ~ MAPS

olfactory ~ oe_lof_upper

olfactory ~ oe_lof_upper + MAPS

term	estimate	std.error	statistic	p.value
(Intercept)	-7.886	0.365	-21.583	0.000
oe_lof_upper	3.309	0.217	15.213	0.000
MAPS	0.075	0.190	0.393	0.694

term	estimate	std.error	statistic	p.value
(Intercept)	-4.080	0.057	-72.007	0
MAPS	-3.167	0.635	-4.990	0

term	estimate	std.error	statistic	p.value
(Intercept)	-9.380	0.336	-27.899	0
oe_lof_upper	3.875	0.198	19.543	0

term	estimate	std.error	statistic	p.value
(Intercept)	-9.357	0.336	-27.814	0.000
oe_lof_upper	3.857	0.199	19.393	0.000
MAPS	-0.582	0.603	-0.965	0.334