Triple-Negative Breast Cancer
Likelihood ratio test for heterogeneity X² = 16.19, p< 0.001

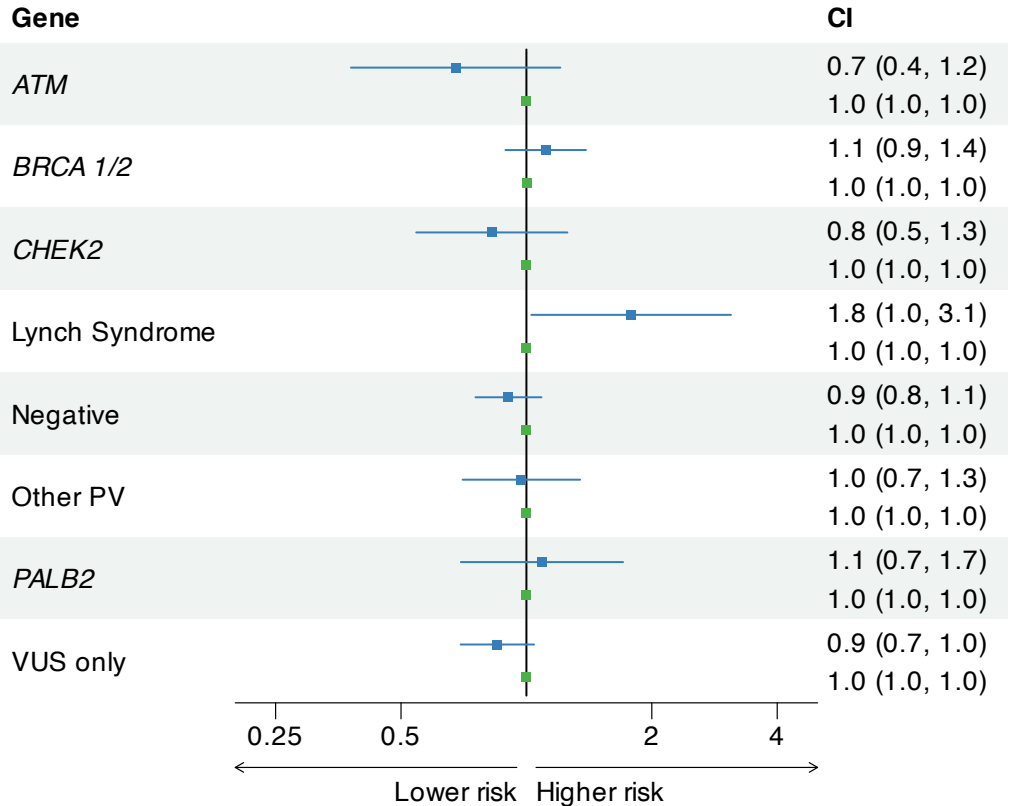| Gene	CI
ATM	3.7 (1.8, 7.7)
	1.2 (0.8, 1.6)
BRCA 1/2	0.6 (0.4, 0.9)
	0.7 (0.6, 0.8)
CHEK2	0.3 (0.1, 1.2)
	0.9 (0.6, 1.3)
Lynch Syndrome	2.0 (0.9, 4.4)
	1.1 (0.7, 1.5)
Negative	1.0 (0.8, 1.3)
	1.1 (1.0, 1.2)
Other PV	0.9 (0.6, 1.3)
	1.0 (0.7, 1.3)
PALB2	0.7 (0.4, 1.3)
	0.9 (0.7, 1.3)
VUS only	1.0 (0.7, 1.3)
	1.1 (0.9, 1.2)

Lower risk   Higher risk
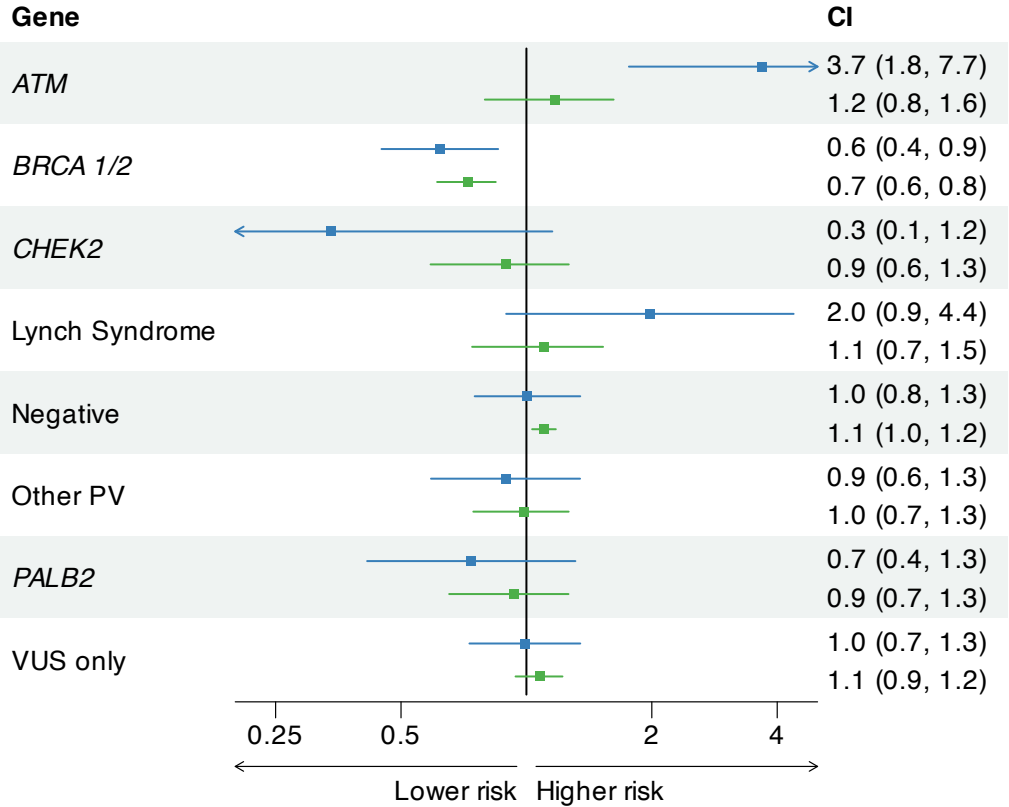
HER2-Positive Breast Cancer
Likelihood ratio test for heterogeneity X² = 0.89, p= 0.17

Gene	CI
ATM	0.8 (0.2, 2.7)
	1.0 (0.7, 1.2)
BRCA 1/2	1.9 (1.0, 3.6)
	1.0 (0.8, 1.3)
CHEK2	0.3 (0.0, 1.4)
	0.9 (0.7, 1.2)
Lynch Syndrome	NA (NA, NA)
	1.0 (0.7, 1.3)
Negative	1.9 (1.1, 3.1)
	1.2 (1.0, 1.3)
Other PV	1.0 (0.4, 2.2)
	1.0 (0.7, 1.2)
PALB2	1.7 (0.5, 6.0)
	1.0 (0.8, 1.3)
VUS only	1.5 (0.9, 2.5)
	1.0 (0.8, 1.1)

Lower risk   Higher risk
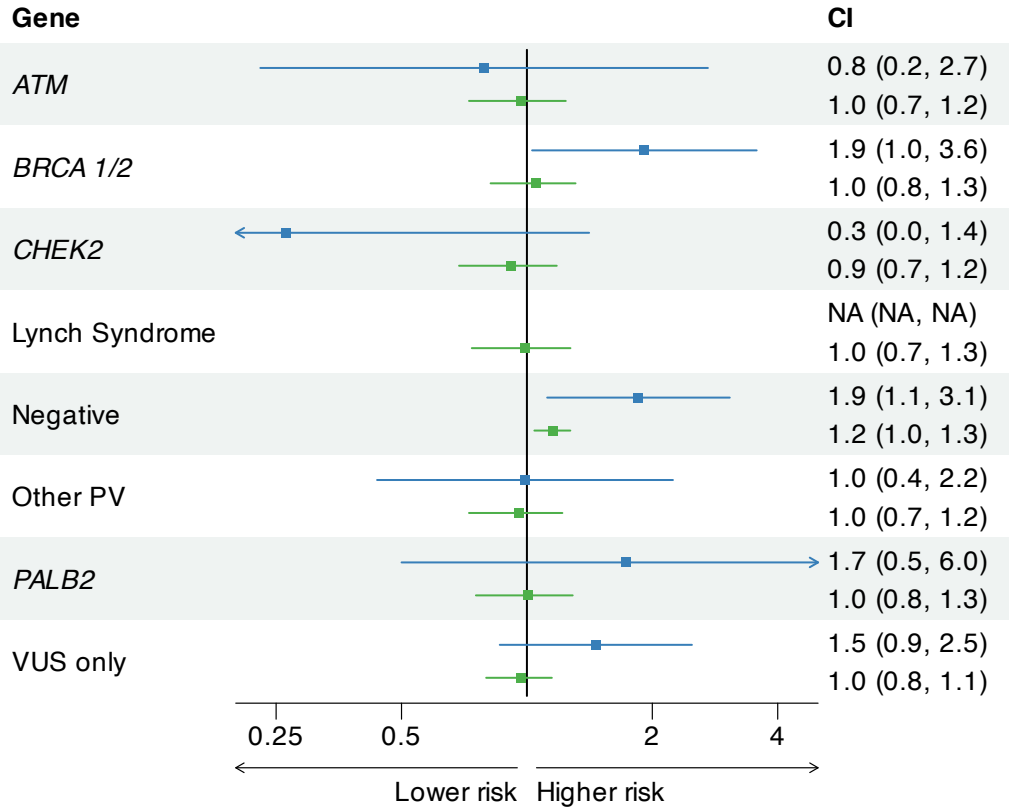
ER/PR-Positive HER2-Negative Breast Cancer
Likelihood ratio test for heterogeneity X² = 0, p= 0.50

Gene	CI
ATM	0.7 (0.4, 1.2)
	1.0 (1.0, 1.0)
BRCA 1/2	1.1 (0.9, 1.4)
	1.0 (1.0, 1.0)
CHEK2	0.8 (0.5, 1.3)
	1.0 (1.0, 1.0)
Lynch Syndrome	1.8 (1.0, 3.1)
	1.0 (1.0, 1.0)
Negative	0.9 (0.8, 1.1)
	1.0 (1.0, 1.0)
Other PV	1.0 (0.7, 1.3)
	1.0 (1.0, 1.0)
PALB2	1.1 (0.7, 1.7)
	1.0 (1.0, 1.0)
VUS only	0.9 (0.7, 1.0)
	1.0 (1.0, 1.0)

Lower risk   Higher risk

Colorectal Cancer
Likelihood ratio test for heterogeneity X² = 4.47, p= 0.017

Gene	CI
ATM	1.3 (0.7, 2.5)
	1.1 (0.7, 1.4)
BRCA 1/2	1.5 (1.0, 2.4)
	1.2 (0.9, 1.6)
CHEK2	1.0 (0.5, 1.8)
	1.0 (0.7, 1.4)
Lynch Syndrome	0.6 (0.4, 0.8)
	0.7 (0.6, 0.9)
Negative	1.0 (0.8, 1.3)
	1.1 (1.0, 1.2)
Other PV	0.8 (0.5, 1.1)
	0.9 (0.7, 1.2)
PALB2	1.4 (0.5, 3.9)
	1.0 (0.7, 1.4)
VUS only	0.8 (0.6, 1.1)
	0.9 (0.8, 1.1)

Lower risk   Higher risk
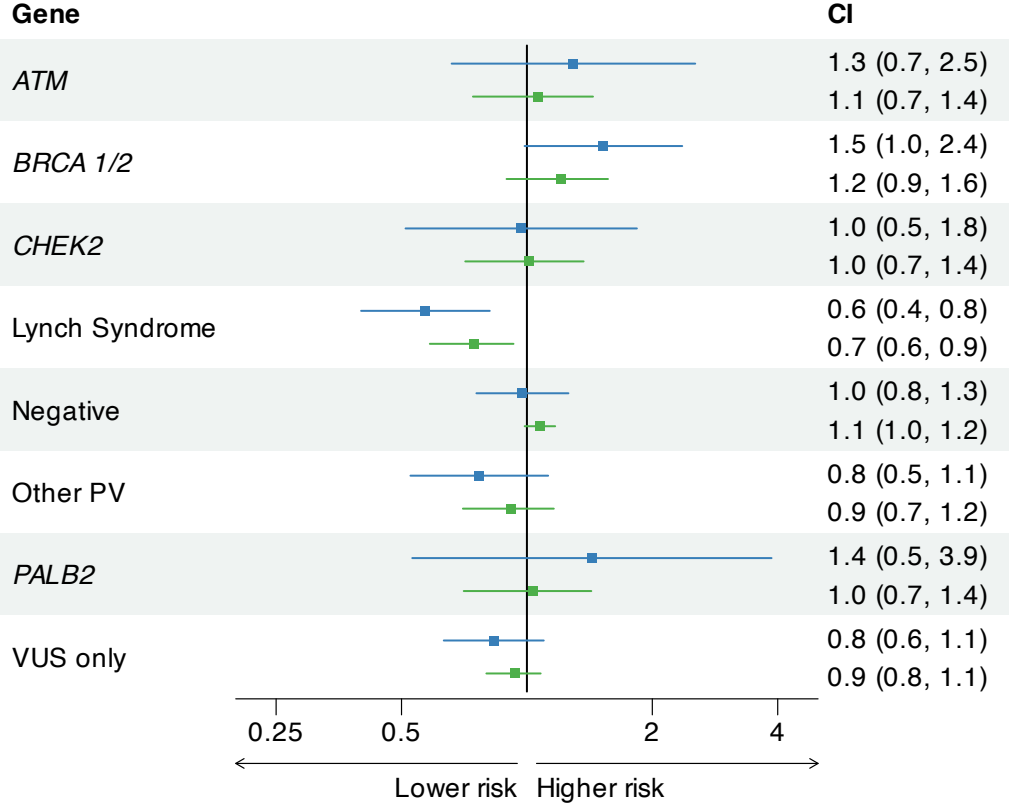
Pancreatic Cancer
Likelihood ratio test for heterogeneity X² = 2.05, p= 0.076

Gene	CI
ATM	1.2 (0.8, 1.7)
	1.0 (0.8, 1.2)
BRCA 1/2	0.9 (0.7, 1.2)
	0.8 (0.7, 1.0)
CHEK2	0.8 (0.5, 1.4)
	0.9 (0.7, 1.2)
Lynch Syndrome	0.4 (0.2, 1.0)
	0.9 (0.6, 1.1)
Negative	1.3 (1.1, 1.7)
	1.1 (1.0, 1.2)
Other PV	1.5 (1.1, 2.0)
	1.2 (1.0, 1.4)
PALB2	1.4 (0.7, 2.6)
	1.0 (0.8, 1.3)
VUS only	1.3 (1.1, 1.7)
	1.1 (1.0, 1.2)

Lower risk   Higher risk

Estimates
- Fixed
- Random