

Supplemental Table 1:
Demographic and Clinical Characteristics of Individuals who Underwent Panel Genetic Testing
by Genetic Test Result

Characteristic	No mutation/ benign (n=1736)	%	Pathogenic (n=273)	%	VUS (n=424)	%	
Age at testing							
<50	704	72.4	106	10.9	162	16.7	
50 or older	995	70.5	160	11.3	257	18.2	
Unknown	43	87.8	3	6.1	3	6.1	
Gender							
Male	234	73.6	33	10.4	51	16.0	
Female	1499	71.1	238	11.3	372	17.6	
Unknown	3	50.0	2	33.3	1	16.7	
Personal Cancer History							
None	678	70.6	117	12.2	166	17.3	
HBOC ¹	834	72.7	98	8.5	215	18.7	
Breast	675	73.0	78	8.4	172	18.6	
	HR+/HER2-	28	73.3	5	8.2	6	18.5
	HR+/HER2+	71	76.3	9	9.7	13	14.0
	HR-/HER2+	28	77.1.8	5	12.8	6	15.4
	Triple Neg	82	77.4	12	11.3	12	11.3
	HR+/HER2 unknown	210	67.5	29	9.3	72	23.2
	HR-/HER2 unknown	63	76.8	6	7.3	13	15.9
Breast <45 ¹	175	79.2	16	7.2	30	13.6	
Colon	141	69.8	36	17.8	25	12.4	
Ovarian	94	71.8	13	9.9	24	18.3	
Endometrial	74	68.5	18	16.7	16	14.8	
Thyroid	16	55.2	3	10.3	10	34.5	
Renal	15	78.9	2	10.5	2	10.5	

Gastric	14	70.0	3	15.0	3	15.0
Skin	19	61.3	5	16.1	7	22.6
Pancreas	39	73.6	1	1.9	13	24.5
Bladder	1	50.0	1	50.0	0	0
Prostate	28	71.8	3	7.7	8	20.5
Family Cancer History						
HBOC ²	950	72.6	139	10.6	220	16.8
Breast	753	73.2	100	9.7	175	17.0
Breast ca <age 50	333	72.7	44	9.6	81	17.7
Ovarian Cancer	186	69.7	39	14.6	42	15.7

1. NHW – Non-Hispanic White
2. Cancers associated with hereditary breast and ovarian cancer syndrome including breast, ovarian, pancreatic, prostate and melanoma.