

Suppl. Table 1:

Test	ALL CASES				MSS CASES			
	BRCA-MT	BRCA-WT	P-value	Q-value	BRCA-MT	BRCA-WT	P-value	Q-value
NGS-KRAS	83.1%	83.7%	0.845804	1	83.2%	84.0%	0.812061	1
NGS-TP53	59.3%	72.8%	0.00116	0.382696	60.2%	72.9%	0.00258	0.888251
NGS-ARID1A	16.7%	20.5%	0.578909	1	11.8%	18.8%	0.298728	1
NGS-SMAD4	15.0%	16.5%	0.656219	1	15.7%	16.6%	0.789639	1
NGS-CDKN2A	12.9%	24.9%	0.005909	0.87284	11.5%	25.1%	0.002416	0.888251
NGS-APC	6.5%	2.2%	0.008361	1	6.7%	2.1%	0.005821	1
NGS-KMT2D	5.2%	3.2%	0.245993	1	3.3%	2.8%	0.7451	1
NGS-KMT2C	5.1%	2.3%	0.123078	1	4.1%	2.3%	0.241405	1
NGS-MSH2	4.8%	0.1%	3.17E-06	0.003274	0.0%	0.0%	1	1
NGS-RNF43	3.8%	5.2%	0.519478	1	1.0%	4.8%	0.087144	1
NGS-SETD2	3.7%	0.4%	0.00148	0.382696	2.9%	0.3%	0.007781	1
NGS-STK11	3.3%	1.3%	0.088822	1	3.4%	1.3%	0.081486	1
NGS-PIK3CA	3.2%	2.2%	0.350554	1	3.4%	2.1%	0.318105	1
NGS-FLCN	2.8%	0.2%	0.002691	0.556405	0.0%	0.1%	1	1
NGS-ASXL1	2.1%	0.8%	0.183591	1	0.0%	0.4%	1	1
CNA-FGF19	2.0%	0.6%	0.124947	1	2.1%	0.6%	0.117118	1
CNA-CCND1	2.0%	0.6%	0.156137	1	2.1%	0.7%	0.146966	1
CNA-FGF3	2.0%	0.5%	0.11043	1	2.1%	0.5%	0.103624	1
NGS-ARID2	2.0%	0.6%	0.141163	1	0.0%	0.5%	1	1
NGS-MSH6	1.9%	0.4%	0.07058	1	1.0%	0.1%	0.161923	1
NGS-AMER1	1.9%	0.5%	0.10963	1	2.0%	0.4%	0.089742	1
NGS-ERBB3	1.9%	0.2%	0.025165	1	2.0%	0.1%	0.00994	1
NGS-SUFU	1.9%	0.0%	0.0056	0.87284	1.0%	0.0%	0.083244	1
NGS-KMT2A	1.9%	0.2%	0.037041	1	1.0%	0.1%	0.164634	1
NGS-RB1	1.7%	1.3%	0.670029	1	0.9%	1.3%	1	1
NGS-HNF1A	1.6%	0.4%	0.122349	1	0.0%	0.2%	1	1
NGS-BRAF	1.6%	1.5%	0.701993	1	1.7%	1.4%	0.682693	1
NGS-KDM6A	1.3%	3.5%	0.521778	1	1.3%	3.5%	0.516871	1
NGS-PTCH1	1.2%	0.3%	0.237117	1	0.0%	0.1%	1	1
NGS-BCOR	1.1%	0.8%	0.529436	1	1.2%	0.7%	0.447669	1
NGS-NF1	1.1%	0.7%	0.513299	1	1.1%	0.7%	0.453359	1
CNA-ADGRA2	1.0%	0.7%	0.510003	1	1.1%	0.7%	0.495869	1
NGS-MITF	1.0%	0.5%	0.384692	1	1.1%	0.5%	0.372898	1
NGS-FANCC	1.0%	0.1%	0.162526	1	0.0%	0.1%	1	1
CNA-TRRAP	1.0%	0.9%	0.597512	1	1.1%	0.9%	0.583041	1
CNA-HMGA2	1.0%	0.6%	0.445558	1	1.1%	0.6%	0.432708	1
CNA-ZNF703	1.0%	0.3%	0.304205	1	1.1%	0.3%	0.29433	1
CNA-BIRC3	1.0%	0.2%	0.237975	1	1.1%	0.2%	0.229883	1
CNA-NFIB	1.0%	0.1%	0.165787	1	1.1%	0.1%	0.15989	1
CNA-PIK3CA	1.0%	0.1%	0.127087	1	1.1%	0.1%	0.122463	1
CNA-ALDH2	1.0%	0.0%	0.044236	1	1.1%	0.0%	0.042553	1
CNA-SH2B3	1.0%	0.0%	0.044236	1	1.1%	0.0%	0.042553	1
CNA-FGFR3	1.0%	0.2%	0.236537	1	1.1%	0.2%	0.228643	1
CNA-MYC	1.0%	1.5%	1	1	1.0%	1.5%	1	1
CNA-FGF4	1.0%	0.6%	0.446602	1	1.0%	0.6%	0.434155	1
NGS-SMARCA4	1.0%	1.0%	1	1	1.0%	0.9%	0.612227	1
NGS-PIK3R1	1.0%	0.2%	0.239246	1	1.0%	0.1%	0.161041	1
NGS-CREBBP	1.0%	0.1%	0.164224	1	0.0%	0.1%	1	1
NGS-WT1	1.0%	0.0%	0.043332	1	0.0%	0.0%	1	1
NGS-PRKAR1A	1.0%	0.2%	0.206381	1	1.0%	0.1%	0.163332	1
NGS-BAP1	1.0%	0.4%	0.391887	1	1.0%	0.4%	0.353437	1
NGS-FANCA	1.0%	0.2%	0.203289	1	0.0%	0.2%	1	1
NGS-EP300	0.9%	0.4%	0.339923	1	1.0%	0.2%	0.234421	1
NGS-PPP2R1A	0.9%	0.1%	0.166306	1	1.0%	0.1%	0.123323	1
NGS-U2AF1	0.9%	1.3%	1	1	1.0%	1.3%	1	1
NGS-MEN1	0.9%	0.4%	0.338646	1	1.0%	0.3%	0.298661	1
NGS-FANCF	0.9%	0.1%	0.167703	1	1.0%	0.1%	0.162411	1
NGS-BCL9	0.9%	0.1%	0.128643	1	0.0%	0.0%	1	1
NGS-FBXW7	0.9%	1.1%	1	1	0.0%	1.0%	0.624829	1
NGS-PTEN	0.9%	0.9%	1	1	0.0%	0.8%	1	1
NGS-ATM	0.8%	2.9%	0.26146	1	0.8%	2.9%	0.258434	1
NGS-ERBB2	0.8%	0.3%	0.300751	1	0.0%	0.3%	1	1
NGS-GNAS	0.8%	1.4%	1	1	0.8%	1.3%	1	1
NGS-CTNNB1	0.8%	0.8%	1	1	0.8%	0.8%	0.619071	1
NGS-MLH1	0.8%	0.2%	0.270631	1	0.8%	0.0%	0.042744	1