

Table S3. All germline pathogenic variants

Chr	Pos	Ref	Alt	Gene	HGVS.c	HGVS.p	Alternative allele frequency in lymphoma case (%)	Alternative allele frequency in control (%)
1	45,795,004	G	GTGCA	<i>MUTYH</i>	c.1611_1614dupTGCA	p.His539fs	0.00000	0.00133
1	45,795,049	G	A	<i>MUTYH</i>	c.1570C>T	p.Gln524*	0.00000	0.00133
1	45,795,103	T	A	<i>MUTYH</i>	c.1516A>T	p.Lys506*	0.00000	0.00133
1	45,796,205	G	A	<i>MUTYH</i>	c.1492C>T	p.Gln498*	0.00000	0.00133
1	45,797,348	G	A	<i>MUTYH</i>	c.1162C>T	p.Gln388*	0.00000	0.00133
1	45,797,414	C	A	<i>MUTYH</i>	c.1096G>T	p.Glu366*	0.00000	0.00133
1	45,797,914	C	T	<i>MUTYH</i>	c.848G>A	p.Gly283Glu	0.02523	0.03591
1	45,797,951	G	A	<i>MUTYH</i>	c.811C>T	p.Arg271Trp	0.00000	0.00133
1	45,797,972	G	A	<i>MUTYH</i>	c.790C>T	p.Gln264*	0.02523	0.00266
1	45,798,063	C	T	<i>MUTYH</i>	c.779G>A	p.Trp260*	0.02523	0.00266
1	45,798,118	G	A	<i>MUTYH</i>	c.724C>T	p.Arg242Cys	0.00000	0.00266
1	45,798,627	C	T	<i>MUTYH</i>	c.458G>A	p.Trp153*	0.00000	0.01064
1	45,798,839	C	T	<i>MUTYH</i>	c.383G>A	p.Trp128*	0.00000	0.00133
1	45,799,108	G	A	<i>MUTYH</i>	c.316C>T	p.Arg106Trp	0.00000	0.00133
1	45,799,163	T	TA	<i>MUTYH</i>	c.260dupT	p.Ala88fs	0.00000	0.00133
1	45,799,166	GTC	G	<i>MUTYH</i>	c.256_257delGA	p.Asp86fs	0.00000	0.00133
1	45,800,111	G	A	<i>MUTYH</i>	c.109C>T	p.Gln37*	0.00000	0.00133
1	45,800,165	G	A	<i>MUTYH</i>	c.55C>T	p.Arg19*	0.00000	0.00931

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1	45,805,889	AC	A	<i>MUTYH</i>	c.36+1delG		0.00000	0.00133
1	45,805,890	C	G	<i>MUTYH</i>	c.36+1G>C		0.00000	0.00133
1	45,805,925	A	G	<i>MUTYH</i>	c.2T>C	p.Met1?	0.00000	0.00133
10	89,692,767	CAG	C	<i>PTEN</i>	c.254-2_254-1delAG		0.00000	0.00133
10	89,692,885	C	CT	<i>PTEN</i>	c.370dupT	p.Cys124fs	0.00000	0.00133
10	89,692,886	T	C	<i>PTEN</i>	c.370T>C	p.Cys124Arg	0.00000	0.00133
10	89,692,904	C	T	<i>PTEN</i>	c.388C>T	p.Arg130*	0.00000	0.00133
10	89,692,980	A	G	<i>PTEN</i>	c.464A>G	p.Tyr155Cys	0.00000	0.00133
10	89,711,874	G	A	<i>PTEN</i>	c.493-1G>A		0.00000	0.00133
10	89,717,712	C	T	<i>PTEN</i>	c.737C>T	p.Pro246Leu	0.00000	0.00133
10	89,720,808	T	G	<i>PTEN</i>	c.959T>G	p.Leu320*	0.00000	0.00133
11	108,098,533	C	T	<i>ATM</i>	c.103C>T	p.Arg35*	0.02591	0.00000
11	108,099,905	AT	A	<i>ATM</i>	c.191delT	p.Leu64fs	0.00000	0.00133
11	108,099,987	AG	A	<i>ATM</i>	c.270delG	p.Arg90fs	0.00000	0.00133
11	108,106,510	ATTCT	A	<i>ATM</i>	c.450_453delTTCT	p.Ser151fs	0.00000	0.00133
11	108,114,768	CA	C	<i>ATM</i>	c.588delA	p.Gly197fs	0.00000	0.00133
11	108,115,594	C	T	<i>ATM</i>	c.742C>T	p.Arg248*	0.00000	0.00133
11	108,115,681	G	T	<i>ATM</i>	c.829G>T	p.Glu277*	0.00000	0.00133
11	108,119,714	CAA	C	<i>ATM</i>	c.1122_1123delAA	p.Glu376fs	0.00000	0.00133
11	108,119,831	T	C	<i>ATM</i>	c.1235+2T>C		0.00000	0.00133
11	108,121,448	TA	T	<i>ATM</i>	c.1258delA	p.Ile420fs	0.00000	0.00133
11	108,121,536	TGG	T	<i>ATM</i>	c.1347_1348delGG	p.Glu450fs	0.00000	0.00133
11	108,124,573	C	G	<i>ATM</i>	c.1931C>G	p.Ser644*	0.00000	0.00266
11	108,126,954	GA	G	<i>ATM</i>	c.2140delA	p.Thr714fs	0.00000	0.00133

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11	108,137,984	T	TC	ATM	c.2554dupC	p.Gln852fs	0.00000	0.00133
11	108,137,985	C	T	ATM	c.2554C>T	p.Gln852*	0.00000	0.00133
11	108,138,070	G	T	ATM	c.2638+1G>T		0.00000	0.00133
11	108,139,220	GT	G	ATM	c.2723delT	p.Val908fs	0.00000	0.00133
11	108,141,829	C	G	ATM	c.2877C>G	p.Tyr959*	0.02523	0.00000
11	108,142,134	G	T	ATM	c.3077+1G>T		0.00000	0.00133
11	108,153,436	G	A	ATM	c.3577-1G>A		0.00000	0.00133
11	108,155,125	TG	T	ATM	c.3921delG	p.Met1308fs	0.00000	0.00133
11	108,155,202	T	C	ATM	c.3993+2T>C		0.00000	0.00665
11	108,164,200	T	A	ATM	c.4772T>A	p.Leu1591*	0.00000	0.00133
11	108,164,206	T	A	ATM	c.4776+2T>A		0.05045	0.00399
11	108,165,673	CAGTA	C	ATM	c.4800_4803delAAGT	p.Ser1601fs	0.02523	0.00000
11	108,165,754	A	ATCAGATGG	ATM	c.4879_4886dupCAGATGGT	p.Asp1630fs	0.00000	0.00133
11	108,170,605	G	T	ATM	c.5170G>T	p.Glu1724*	0.02585	0.00000
11	108,172,385	C	T	ATM	c.5188C>T	p.Arg1730*	0.00000	0.00266
11	108,196,885	AG	A	ATM	c.6910delG	p.Glu2304fs	0.00000	0.00133
11	108,196,926	AAG	A	ATM	c.6951_6952delGA	p.Lys2318fs	0.00000	0.00133
11	108,200,988	T	TG	ATM	c.7356dupG	p.Arg2453fs	0.00000	0.00133
11	108,201,089	C	T	ATM	c.7456C>T	p.Arg2486*	0.00000	0.00133
11	108,202,168	TAG	T	ATM	c.7519_7520delGA	p.Asp2507fs	0.00000	0.00399
11	108,203,577	CTTATA	C	ATM	c.7886_7890delTATTA	p.Ile2629fs	0.05045	0.01064
11	108,204,611	A	G	ATM	c.7928-2A>G		0.00000	0.00266
11	108,214,064	ATTTTCAGTGCC	A	ATM	c.8395_8404delTTTCAGTGCC	p.Phe2799fs	0.00000	0.00133
11	108,216,476	CA	C	ATM	c.8432delA	p.Lys2811fs	0.00000	0.00266

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11	108,216,545	C	T	ATM	c.8494C>T	p.Arg2832Cys	0.00000	0.00133
11	108,216,633	T	C	ATM	c.8582T>C	p.Ile2861Thr	0.00000	0.00399
11	108,224,608	G	C	ATM	c.8786+1G>C		0.00000	0.00133
11	108,236,086	C	T	ATM	c.9022C>T	p.Arg3008Cys	0.00000	0.00133
11	108,236,176	C	T	ATM	c.9112C>T	p.Gln3038*	0.00000	0.00133
12	58,145,064	C	CA	CDK4	c.279dupT	p.Glu94fs	0.00000	0.00133
13	32,893,464	T	C	BRCA2	c.316+2T>C		0.00000	0.00133
13	32,906,627	GC	G	BRCA2	c.1013delC	p.Ala338fs	0.02527	0.00000
13	32,906,769	AG	A	BRCA2	c.1156delG	p.Glu386fs	0.00000	0.00133
13	32,906,799	G	A	BRCA2	c.1184G>A	p.Trp395*	0.00000	0.00133
13	32,906,876	C	T	BRCA2	c.1261C>T	p.Gln421*	0.00000	0.00133
13	32,907,014	A	T	BRCA2	c.1399A>T	p.Lys467*	0.00000	0.00133
13	32,907,420	GA	G	BRCA2	c.1813delA	p.Ile605fs	0.07568	0.00399
13	32,911,293	GT	G	BRCA2	c.2802delT	p.Asp935fs	0.00000	0.00133
13	32,911,724	GT	G	BRCA2	c.3235delT	p.Ser1079fs	0.00000	0.00133
13	32,911,969	CAG	C	BRCA2	c.3481_3482delGA	p.Asp1161fs	0.00000	0.00133
13	32,912,089	CTG	C	BRCA2	c.3599_3600delGT	p.Cys1200fs	0.02523	0.00266
13	32,912,770	A	AT	BRCA2	c.4284dupT	p.Gln1429fs	0.00000	0.00133
13	32,912,830	TG	T	BRCA2	c.4339delG	p.Val1447fs	0.00000	0.00133
13	32,912,964	TGAAA	T	BRCA2	c.4478_4481delAAAG	p.Glu1493fs	0.00000	0.00133
13	32,913,138	AAG	A	BRCA2	c.4649_4650delAG	p.Glu1550fs	0.00000	0.00133
13	32,913,295	T	TA	BRCA2	c.4808dupA	p.Asn1603fs	0.00000	0.00133
13	32,913,314	G	T	BRCA2	c.4822G>T	p.Glu1608*	0.00000	0.00133
13	32,913,359	C	T	BRCA2	c.4867C>T	p.Gln1623*	0.00000	0.00133

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13	32,913,391	CTT	C	BRCA2	c.4903_4904delTT	p.Leu1635fs	0.02523	0.00000
13	32,913,442	TC	T	BRCA2	c.4952delC	p.Pro1651fs	0.00000	0.00266
13	32,913,558	C	CA	BRCA2	c.5073dupA	p.Trp1692fs	0.00000	0.00133
13	32,913,970	CATTAA	C	BRCA2	c.5482_5486delAAAATT	p.Lys1828fs	0.00000	0.00266
13	32,914,065	CAATT	C	BRCA2	c.5576_5579delTTAA	p.Ile1859fs	0.02523	0.00532
13	32,914,127	G	T	BRCA2	c.5635G>T	p.Glu1879*	0.00000	0.00133
13	32,914,137	C	A	BRCA2	c.5645C>A	p.Ser1882*	0.00000	0.00532
13	32,914,209	ACT	A	BRCA2	c.5722_5723delCT	p.Leu1908fs	0.00000	0.00399
13	32,914,893	ATAACT	A	BRCA2	c.6405_6409delCTTAA	p.Asn2135fs	0.00000	0.00665
13	32,915,043	AG	A	BRCA2	c.6553delG	p.Ala2185fs	0.00000	0.00133
13	32,918,775	A	T	BRCA2	c.6922A>T	p.Lys2308*	0.02599	0.00134
13	32,918,778	AG	A	BRCA2	c.6926delG	p.Ser2309fs	0.02599	0.00000
13	32,920,978	C	T	BRCA2	c.6952C>T	p.Arg2318*	0.02523	0.01330
13	32,930,609	C	T	BRCA2	c.7480C>T	p.Arg2494*	0.00000	0.00133
13	32,937,362	A	G	BRCA2	c.8023A>G	p.Ile2675Val	0.00000	0.00266
13	32,937,479	C	T	BRCA2	c.8140C>T	p.Gln2714*	0.00000	0.00133
13	32,954,009	C	T	BRCA2	c.9076C>T	p.Gln3026*	0.00000	0.00399
13	32,954,050	G	A	BRCA2	c.9117G>A	p.Pro3039Pro	0.00000	0.00133
13	32,968,951	C	T	BRCA2	c.9382C>T	p.Arg3128*	0.00000	0.00133
13	32,971,182	G	T	BRCA2	c.9648+1G>T		0.00000	0.00133
13	32,972,710	TC	T	BRCA2	c.10061delC	p.Ser3354fs	0.00000	0.00133
13	32,972,711	CT	C	BRCA2	c.10062delT	p.Gly3355fs	0.00000	0.00532
13	32,972,800	C	T	BRCA2	c.10150C>T	p.Arg3384*	0.05045	0.01197
13	32,972,867	AAAAT	A	BRCA2	c.10220_10223delATAA	p.Asn3407fs	0.00000	0.00133

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16	23,619,279	G	A	<i>PALB2</i>	c.3256C>T	p.Arg1086*	0.00000	0.00133
16	23,635,328	A	G	<i>PALB2</i>	c.2834+2T>C		0.00000	0.00266
16	23,635,333	ATCTC	A	<i>PALB2</i>	c.2827_2830delGAGA	p.Glu943fs	0.00000	0.00133
16	23,637,576	TAA	T	<i>PALB2</i>	c.2727_2728delTT	p.Thr911fs	0.00000	0.00133
16	23,640,993	ATG	A	<i>PALB2</i>	c.2480_2481delCA	p.Thr827fs	0.00000	0.00133
16	23,641,004	CA	C	<i>PALB2</i>	c.2470delT	p.Cys824fs	0.00000	0.00133
16	23,641,239	CT	C	<i>PALB2</i>	c.2235delA	p.Ala746fs	0.00000	0.00133
16	23,641,684	CA	C	<i>PALB2</i>	c.1790delT	p.Met597fs	0.02523	0.00000
16	23,646,192	GAATA	G	<i>PALB2</i>	c.1671_1674delTATT	p.Ile558fs	0.00000	0.00266
16	23,646,234	C	A	<i>PALB2</i>	c.1633G>T	p.Glu545*	0.00000	0.00133
16	23,646,415	TA	T	<i>PALB2</i>	c.1451delT	p.Leu484fs	0.00000	0.00399
16	23,646,483	C	A	<i>PALB2</i>	c.1384G>T	p.Glu462*	0.00000	0.00133
16	23,646,627	G	A	<i>PALB2</i>	c.1240C>T	p.Arg414*	0.00000	0.00266
16	23,647,027	G	GA	<i>PALB2</i>	c.839_840insT	p.Ile281fs	0.00000	0.00133
16	23,647,117	TAAAGG	T	<i>PALB2</i>	c.745_749delCCTTT	p.Pro249fs	0.00000	0.00133
16	23,647,568	AG	A	<i>PALB2</i>	c.298delC	p.Asp101fs	0.02523	0.00000
16	23,649,450	AC	A	<i>PALB2</i>	c.49-1delG		0.00000	0.00133
16	68,845,757	C	T	<i>CDH1</i>	c.1003C>T	p.Arg335*	0.00000	0.00133
16	68,855,902	A	T	<i>CDH1</i>	c.1712-2A>T		0.00000	0.00399
16	68,857,426	CTG	C	<i>CDH1</i>	c.2064_2065delITG	p.Cys688fs	0.00000	0.00133
17	29,486,027	G	C	<i>NF1</i>	c.205-1G>C		0.00000	0.00133
17	29,496,923	CTG	C	<i>NF1</i>	c.496_497delGT	p.Val166fs	0.00000	0.00133
17	29,509,525	G	C	<i>NF1</i>	c.731-1G>C		0.00000	0.00133
17	29,533,378	C	T	<i>NF1</i>	c.1381C>T	p.Arg461*	0.00000	0.00133

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17	29,552,152	G	A	<i>NF1</i>	c.1885G>A	p.Gly629Arg	0.00000	0.00133
17	29,553,477	A	AC	<i>NF1</i>	c.2033dupC	p.Ile679fs	0.00000	0.00133
17	29,556,173	T	C	<i>NF1</i>	c.2540T>C	p.Leu847Pro	0.00000	0.00133
17	29,556,889	C	T	<i>NF1</i>	c.2887C>T	p.Gln963*	0.00000	0.00133
17	29,559,825	TGA	T	<i>NF1</i>	c.3424_3425delAG	p.Arg1142fs	0.00000	0.00133
17	29,560,189	TATAGCGATGGCTCTGGCCA	T	<i>NF1</i>	c.3669_3687delAGCGATGGCTCTGGCCAAT	p.Ile1223fs	0.00000	0.00133
17	29,562,935	G	C	<i>NF1</i>	c.3871-1G>C		0.00000	0.00133
17	29,563,003	A	AT	<i>NF1</i>	c.3940dupT	p.Trp1314fs	0.00000	0.00133
17	29,587,535	T	G	<i>NF1</i>	c.4577+2T>G		0.00000	0.00133
17	29,588,751	C	T	<i>NF1</i>	c.4600C>T	p.Arg1534*	0.00000	0.00133
17	29,663,441	GA	G	<i>NF1</i>	c.6098delA	p.Asp2033fs	0.00000	0.00133
17	29,665,757	C	A	<i>NF1</i>	c.6855C>A	p.Tyr2285*	0.00000	0.00133
17	29,679,298	G	A	<i>NF1</i>	c.7481G>A	p.Trp2494*	0.00000	0.00133
17	33,428,018	C	T	<i>RAD51D</i>	c.1001G>A	p.Trp334*	0.02523	0.00133
17	33,428,057	T	A	<i>RAD51D</i>	c.964-2A>T		0.12614	0.06650
17	33,428,225	G	A	<i>RAD51D</i>	c.958C>T	p.Arg320*	0.00000	0.00133
17	33,428,256	GC	G	<i>RAD51D</i>	c.926delG	p.Gly309fs	0.00000	0.00133
17	33,428,376	GT	G	<i>RAD51D</i>	c.806delA	p.Asn269fs	0.00000	0.00133
17	33,430,317	G	A	<i>RAD51D</i>	c.754C>T	p.Arg252*	0.00000	0.00399
17	33,433,406	TG	T	<i>RAD51D</i>	c.634delC	p.Gln212fs	0.00000	0.00133
17	33,434,006	C	A	<i>RAD51D</i>	c.540+1G>T		0.02523	0.00000
17	33,434,458	T	TTA	<i>RAD51D</i>	c.330_331dupTA	p.Lys111fs	0.05045	0.06251
17	33,443,877	C	T	<i>RAD51D</i>	c.323+1G>A		0.02523	0.00000
17	33,443,903	G	A	<i>RAD51D</i>	c.298C>T	p.Arg100*	0.00000	0.00399

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17	33,444,017	G	A	<i>RAD51D</i>	c.184C>T	p.Gln62*	0.02523	0.01064
17	33,446,128	A	AC	<i>RAD51D</i>	c.144+1dupG		0.00000	0.00798
17	41,197,729	T	C	<i>BRCA1</i>	c.5621A>G	p.Tyr1874Cys	0.02523	0.00000
17	41,203,135	C	G	<i>BRCA1</i>	c.5341-1G>C		0.00000	0.00133
17	41,215,382	G	A	<i>BRCA1</i>	c.5224C>T	p.Gln1742*	0.00000	0.00133
17	41,215,389	C	A	<i>BRCA1</i>	c.5217G>T	p.Trp1739Cys	0.02523	0.00133
17	41,215,947	C	T	<i>BRCA1</i>	c.5159G>A	p.Arg1720Gln	0.00000	0.00399
17	41,219,665	ATTAG	A	<i>BRCA1</i>	c.5093_5096delCTAA	p.Thr1698fs	0.00000	0.00133
17	41,222,974	C	A	<i>BRCA1</i>	c.5020G>T	p.Val1674Leu	0.00000	0.00399
17	41,234,439	G	GTTCT	<i>BRCA1</i>	c.4335_4338dupAGAA	p.Gln1447fs	0.00000	0.00133
17	41,243,024	ACT	A	<i>BRCA1</i>	c.4120_4121delAG	p.Ser1374fs	0.02523	0.00000
17	41,244,004	G	A	<i>BRCA1</i>	c.3544C>T	p.Gln1182*	0.02523	0.00133
17	41,244,085	C	CT	<i>BRCA1</i>	c.3462dupA	p.Asp1155fs	0.02523	0.00000
17	41,244,683	TGATAG	T	<i>BRCA1</i>	c.2860_2864delCTATC	p.Leu954fs	0.00000	0.00133
17	41,245,157	TTC	T	<i>BRCA1</i>	c.2389_2390delGA	p.Glu797fs	0.05045	0.00266
17	41,247,917	G	A	<i>BRCA1</i>	c.616C>T	p.Gln206*	0.00000	0.00133
17	41,251,881	CTG	C	<i>BRCA1</i>	c.456_457delCA	p.Ser153fs	0.00000	0.00133
17	41,258,497	A	T	<i>BRCA1</i>	c.188T>A	p.Leu63*	0.02523	0.01064
17	41,267,797	C	T	<i>BRCA1</i>	c.81-1G>A		0.00000	0.00133
17	46,804,161	AGC	A	<i>HOXB13</i>	c.844_845delGC	p.Ala282fs	0.00000	0.00133
17	46,804,231	T	TG	<i>HOXB13</i>	c.775dupC	p.Gln259fs	0.00000	0.00133
17	46,804,243	A	AGGCT	<i>HOXB13</i>	c.760_763dupAGCC	p.Leu255fs	0.00000	0.00133
17	46,804,374	G	T	<i>HOXB13</i>	c.633C>A	p.Cys211*	0.00000	0.00133
17	46,805,371	C	T	<i>HOXB13</i>	c.585G>A	p.Trp195*	0.00000	0.00665

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17	56,770,005	A	G	<i>RAD51C</i>	c.1A>G	p.Met1?	0.00000	0.00133
17	56,770,117	T	TCCTA	<i>RAD51C</i>	c.114_117dupCCTA	p.Glu40fs	0.00000	0.00266
17	56,772,291	G	C	<i>RAD51C</i>	c.146-1G>C		0.00000	0.00133
17	56,787,313	C	T	<i>RAD51C</i>	c.799C>T	p.Gln267*	0.00000	0.00133
17	56,787,352	G	C	<i>RAD51C</i>	c.837+1G>C		0.00000	0.00266
17	56,801,399	A	C	<i>RAD51C</i>	c.905-2A>C		0.00000	0.00133
17	56,801,460	AG	A	<i>RAD51C</i>	c.965+1delG		0.00000	0.00266
17	56,809,844	G	T	<i>RAD51C</i>	c.966-1G>T		0.00000	0.00133
17	56,811,477	A	G	<i>RAD51C</i>	c.1027-2A>G		0.00000	0.00266
17	56,811,581	T	C	<i>RAD51C</i>	c.1129T>C	p.Ter377Glnext*?	0.00000	0.00133
17	59,761,166	C	CA	<i>BRIP1</i>	c.3240dupT	p.Ala1081fs	0.00000	0.03059
17	59,761,334	AC	A	<i>BRIP1</i>	c.3072delG	p.Ser1025fs	0.00000	0.00399
17	59,763,271	TG	T	<i>BRIP1</i>	c.2830delC	p.Gln944fs	0.00000	0.00133
17	59,763,275	C	CACAT	<i>BRIP1</i>	c.2823_2826dupATGT	p.Val943fs	0.00000	0.00133
17	59,770,807	TG	T	<i>BRIP1</i>	c.2558delC	p.Pro853fs	0.00000	0.00133
17	59,770,849	C	T	<i>BRIP1</i>	c.2517G>A	p.Trp839*	0.00000	0.00133
17	59,770,874	C	G	<i>BRIP1</i>	c.2493-1G>C		0.00000	0.00133
17	59,793,412	G	A	<i>BRIP1</i>	c.2392C>T	p.Arg798*	0.00000	0.00133
17	59,821,795	TTC	T	<i>BRIP1</i>	c.2253_2254delGA	p.Lys752fs	0.00000	0.00266
17	59,853,764	T	A	<i>BRIP1</i>	c.2095A>T	p.Lys699*	0.00000	0.00133
17	59,853,779	AAC	A	<i>BRIP1</i>	c.2078_2079delGT	p.Cys693fs	0.00000	0.00133
17	59,858,220	CA	C	<i>BRIP1</i>	c.1774delT	p.Trp592fs	0.00000	0.00133
17	59,861,674	C	A	<i>BRIP1</i>	c.1585G>T	p.Gly529*	0.00000	0.00266
17	59,876,486	G	A	<i>BRIP1</i>	c.1315C>T	p.Arg439*	0.00000	0.00266

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17	59,876,594	GA	G	<i>BRIP1</i>	c.1206delT	p.Arg403fs	0.00000	0.00133
17	59,878,688	G	A	<i>BRIP1</i>	c.1066C>T	p.Arg356*	0.00000	0.00133
17	59,878,769	G	A	<i>BRIP1</i>	c.985C>T	p.Gln329*	0.00000	0.00266
17	59,886,067	G	A	<i>BRIP1</i>	c.679C>T	p.Gln227*	0.00000	0.00133
17	59,926,513	G	A	<i>BRIP1</i>	c.484C>T	p.Arg162*	0.00000	0.00133
17	59,934,454	GGTGGTGT	G	<i>BRIP1</i>	c.337_343delACACCAC	p.Thr113fs	0.00000	0.00133
17	59,934,577	T	TC	<i>BRIP1</i>	c.220dupG	p.Glu74fs	0.00000	0.00133
17	59,938,877	A	C	<i>BRIP1</i>	c.24T>G	p.Tyr8*	0.00000	0.00133
17	7,577,022	G	A	<i>TP53</i>	c.916C>T	p.Arg306*	0.02523	0.00000
17	7,577,025	T	A	<i>TP53</i>	c.913A>T	p.Lys305*	0.00000	0.00133
17	7,577,120	C	T	<i>TP53</i>	c.818G>A	p.Arg273His	0.02524	0.00266
17	7,577,121	G	A	<i>TP53</i>	c.817C>T	p.Arg273Cys	0.02523	0.00000
17	7,577,548	C	T	<i>TP53</i>	c.733G>A	p.Gly245Ser	0.00000	0.00133
17	7,577,550	C	T	<i>TP53</i>	c.731G>A	p.Gly244Asp	0.00000	0.00133
17	7,577,551	C	T	<i>TP53</i>	c.730G>A	p.Gly244Ser	0.00000	0.00266
17	7,578,190	T	C	<i>TP53</i>	c.659A>G	p.Tyr220Cys	0.00000	0.00133
17	7,578,406	C	T	<i>TP53</i>	c.524G>A	p.Arg175His	0.00000	0.00133
17	7,578,552	G	C	<i>TP53</i>	c.378C>G	p.Tyr126*	0.00000	0.00133
18	48,581,364	G	C	<i>SMAD4</i>	c.667+1G>C		0.00000	0.00266
18	48,593,475	TACAGAGTTACTACTTAG	T	<i>SMAD4</i>	c.1233_1249delTTACTACTTAGACAGAG	p.Ser411fs	0.00000	0.00133
19	1,218,501	T	A	<i>STK11</i>	c.374+2T>A		0.00000	0.00133
19	1,223,153	C	T	<i>STK11</i>	c.1090C>T	p.Gln364*	0.00000	0.00133
2	215,595,181	TCATACTTTTCTTCCTGTTCA	T	<i>BARD1</i>	c.1935_1954delITGAACAGGAAGAAAAGTATG	p.Cys645fs	0.00000	0.00399
2	215,595,232	CCT	C	<i>BARD1</i>	c.1904-2_1904-1delAG		0.00000	0.00133

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2	215,609,790	C	G	<i>BARD1</i>	c.1903+1G>C		0.00000	0.00133
2	215,610,445	C	A	<i>BARD1</i>	c.1810+1G>T		0.00000	0.00133
2	215,634,006	G	A	<i>BARD1</i>	c.1345C>T	p.Gln449*	0.00000	0.00399
2	215,645,568	TG	T	<i>BARD1</i>	c.1029delC	p.Ser344fs	0.00000	0.00133
2	215,645,711	T	TC	<i>BARD1</i>	c.886dupG	p.Glu296fs	0.00000	0.00532
2	215,645,764	G	GACTTC	<i>BARD1</i>	c.829_833dupGAAGT	p.Ser279fs	0.00000	0.00133
2	215,645,862	GT	G	<i>BARD1</i>	c.735delA	p.Gln245fs	0.00000	0.00133
2	215,645,865	G	A	<i>BARD1</i>	c.733C>T	p.Gln245*	0.02523	0.00000
2	215,646,150	G	A	<i>BARD1</i>	c.448C>T	p.Arg150*	0.00000	0.00133
2	215,646,170	ATTGAATTCTTC	A	<i>BARD1</i>	c.417_427delGAAGAATTCAA	p.Lys139fs	0.00000	0.00133
2	215,661,843	T	G	<i>BARD1</i>	c.159-2A>C		0.00000	0.00133
2	47,596,680	GC	G	<i>EPCAM</i>	c.37delC	p.Ala14fs	0.00000	0.00133
2	47,600,600	A	G	<i>EPCAM</i>	c.77-2A>G		0.00000	0.00133
2	47,600,609	CTG	C	<i>EPCAM</i>	c.87_88delTG	p.Cys29fs	0.00000	0.00133
2	47,600,691	AC	A	<i>EPCAM</i>	c.167delC	p.Thr56fs	0.00000	0.00133
2	47,600,704	C	G	<i>EPCAM</i>	c.179C>G	p.Ser60*	0.00000	0.00133
2	47,601,074	C	CT	<i>EPCAM</i>	c.315dupT	p.Lys106fs	0.02523	0.00133
2	47,601,174	C	T	<i>EPCAM</i>	c.412C>T	p.Arg138*	0.00000	0.00133
2	47,602,439	G	A	<i>EPCAM</i>	c.491+1G>A		0.00000	0.00133
2	47,630,331	A	G	<i>MSH2</i>	c.1A>G	p.Met1?	0.00000	0.00133
2	47,630,332	T	C	<i>MSH2</i>	c.2T>C	p.Met1?	0.00000	0.00133
2	47,643,513	C	CT	<i>MSH2</i>	c.1023dupT	p.Val342fs	0.02523	0.00000
2	47,710,051	T	TA	<i>MSH2</i>	c.2771dupA	p.Asn924fs	0.00000	0.00133
2	48,026,231	T	C	<i>MSH6</i>	c.1109T>C	p.Leu370Ser	0.00000	0.00133

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2	48,026,310	CTA	C	<i>MSH6</i>	c.1190_1191delAT	p.Tyr397fs	0.00000	0.00133
2	48,026,932	GA	G	<i>MSH6</i>	c.1813delA	p.Thr605fs	0.00000	0.00133
2	48,027,853	C	T	<i>MSH6</i>	c.2731C>T	p.Arg911*	0.00000	0.00133
2	48,027,872	AC	A	<i>MSH6</i>	c.2752delC	p.His918fs	0.00000	0.00133
2	48,027,886	C	T	<i>MSH6</i>	c.2764C>T	p.Arg922*	0.00000	0.00133
2	48,028,225	C	T	<i>MSH6</i>	c.3103C>T	p.Arg1035*	0.00000	0.00133
2	48,030,612	C	T	<i>MSH6</i>	c.3226C>T	p.Arg1076Cys	0.00000	0.00665
2	48,032,120	TG	T	<i>MSH6</i>	c.3511delG	p.Asp1171fs	0.00000	0.00133
2	48,032,123	T	TA	<i>MSH6</i>	c.3514dupA	p.Arg1172fs	0.00000	0.00133
2	48,032,167	G	T	<i>MSH6</i>	c.3556+1G>T		0.00000	0.00133
2	48,033,789	CG	C	<i>MSH6</i>	c.4001+1delG		0.00000	0.00133
22	29,083,909	TG	T	<i>CHEK2</i>	c.1736delC	p.Pro579fs	0.00000	0.00133
22	29,083,949	CG	C	<i>CHEK2</i>	c.1696delC	p.Arg566fs	0.00000	0.00133
22	29,083,962	G	A	<i>CHEK2</i>	c.1684C>T	p.Arg562*	0.00000	0.02660
22	29,099,490	TA	T	<i>CHEK2</i>	c.1037+2delT		0.00000	0.00133
22	29,099,555	C	A	<i>CHEK2</i>	c.976-1G>T		0.00000	0.00133
22	29,099,555	CTAAGAAGAGGG	C	<i>CHEK2</i>	c.976-12_976-2delCCCTCTTCTTA		0.00000	0.00266
22	29,099,556	TA	CC	<i>CHEK2</i>	c.976-3_976-2delTAinsGG		0.00000	0.00133
22	29,107,896	C	T	<i>CHEK2</i>	c.921+1G>A		0.00000	0.00133
22	29,108,006	C	T	<i>CHEK2</i>	c.813-1G>A		0.00000	0.00133
22	29,121,091	AAG	A	<i>CHEK2</i>	c.593_594delCT	p.Ser198fs	0.02537	0.00000
22	29,121,242	G	A	<i>CHEK2</i>	c.562C>T	p.Arg188Trp	0.00000	0.00133
22	29,121,266	G	A	<i>CHEK2</i>	c.538C>T	p.Arg180*	0.00000	0.00266
22	29,130,427	G	A	<i>CHEK2</i>	c.283C>T	p.Arg95*	0.00000	0.00399

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3	37,053,590	G	A	<i>MLH1</i>	c.677G>A	p.Arg226Gln	0.00000	0.00133
3	37,059,065	AAC	A	<i>MLH1</i>	c.866_867delAC	p.His289fs	0.00000	0.00133
5	112,090,589	T	TG	<i>APC</i>	c.4dupG	p.Ala2fs	0.00000	0.00133
5	112,090,657	C	T	<i>APC</i>	c.70C>T	p.Arg24*	0.00000	0.00133
5	112,154,771	C	T	<i>APC</i>	c.1042C>T	p.Arg348*	0.00000	0.00133
7	6,031,649	G	A	<i>PMS2</i>	c.943C>T	p.Arg315*	0.00000	0.00931
7	6,035,203	ACTGT	A	<i>PMS2</i>	c.861_864delACAG	p.Arg287fs	0.00000	0.00266
7	6,038,908	T	C	<i>PMS2</i>	c.538-2A>G		0.00000	0.00532
7	6,042,221	G	A	<i>PMS2</i>	c.400C>T	p.Arg134*	0.00000	0.00133
7	6,043,612	C	A	<i>PMS2</i>	c.241G>T	p.Glu81*	0.00000	0.00133
7	6,045,630	TCAATA	T	<i>PMS2</i>	c.51_55delTATTG	p.Ile18fs	0.00000	0.00133
7	6,048,649	A	G	<i>PMS2</i>	c.2T>C	p.Met1?	0.00000	0.00133
8	90,949,273	GA	G	<i>NBN</i>	c.2214delT	p.Ala740fs	0.02523	0.00000
8	90,949,282	C	A	<i>NBN</i>	c.2206G>T	p.Glu736*	0.00000	0.04788
8	90,955,492	GCCTTA	G	<i>NBN</i>	c.2168_2172delTAAGG	p.Leu723fs	0.00000	0.00133
8	90,960,121	C	T	<i>NBN</i>	c.1846-1G>A		0.00000	0.00133
8	90,965,600	C	A	<i>NBN</i>	c.1717G>T	p.Glu573*	0.00000	0.00133
8	90,965,793	T	TA	<i>NBN</i>	c.1523dupT	p.Ser509fs	0.00000	0.00266
8	90,967,511	C	CT	<i>NBN</i>	c.1396dupA	p.Arg466fs	0.00000	0.00133
8	90,982,591	C	T	<i>NBN</i>	c.896+1G>A		0.00000	0.00133
8	90,982,653	G	A	<i>NBN</i>	c.835C>T	p.Gln279*	0.00000	0.00133
8	90,983,400	C	T	<i>NBN</i>	c.702+1G>A		0.00000	0.00133
8	90,993,658	G	A	<i>NBN</i>	c.265C>T	p.Arg89*	0.00000	0.00399
8	90,993,742	C	CTGTT	<i>NBN</i>	c.177_180dupAACA	p.Asp61fs	0.00000	0.00133

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8	90,994,994	G	A	<i>NBN</i>	c.127C>T	p.Arg43*	0.00000	0.00133
9	21,968,762	C	A	<i>CDKN2A</i>	c.466G>T	p.Gly156*	0.00000	0.00266
9	21,974,825	A	T	<i>CDKN2A</i>	c.2T>A	p.Met1?	0.00000	0.00133
