RA16_08-08_2 - high_conf_mutations-all_vars																																																
2261 cells, 654 features																																																
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PIK3R3 p.Ser297= PIK3R3 p.Asn283Lys PBRM1 intron_variant TP63 intron_variant PARP4 p.Ser534= RNF43 p.Arg343His RECQL5 p.Tyr471= TP53 intron_variant TP53 intron_variant REV3L p.Val3064Ile REV3L p.Arg3073= EPHA2 intron_variant FLT1 p.Tyr1213= PARP2 intron_variant KRAS p.Arg161= CUL5 5_prime_UTR_varian SPTA1 p.Cys1568Arg TP53 intron_variant KAT5 intron_variant KAT5 intron_variant	MUS81 p.Ala312= PARP4 intron_variant STK11 intron_variant STK11 intron_variant SPTAN1 p.Lys2286= CDH1 intron_variant WRN intron_variant PAXIP1 p.Pro415= MTOR p.Asn999= RNF43 p.Ile47Val CHEK2 intron_variant PTPRS intron_variant PTPRS intron_variant PTPRS intron_variant PAK5 intron_variant RTEL1 intron_variant RTEL1 intron_variant MTOR p.Ala1577= MTOR p.Ala1577=	MEN1 intron_variant ACVR2B intron_variant KMT2D intron_variant FANCD2 intron_variant ARID1A p.Gln2212= CHD3 p.Pro692Leu BMPR1B intron_variant TP53 intron_variant SMAD4 intron_variant KRAS p.Gly12Val TP53 p.Pro72Arg KMT2C intron_variant BRCA2 p.Leu1521= RNF111 intron_variant MEN1 p.His433= H3C8 p.Asp124=	TGFBR1 intron_variant RREB1 p.Leu474= FAT4 p.Asp717Asn TP53 p.Pro316Ser DHX9 intron_variant ATM intron_variant ARID1A p.Glu1802Lys TP53 intron_variant SMAD3 intron_variant EME1 p.Gln221= TP53 intron_variant EME1 p.Gln221= KMT2C p.Ser2330Leu AXL p.Glu524Lys KEL intron_variant BRCC3 p.Ala2= NFATC2 p.Ser118=	NOTCH2 p.Pro2180= ARID1A intron_variant GNAS p.Glu128Lys STK11 intron_variant ARID1A p.Leu1922= DAXX p.Ser697Phe RREB1 p.Trp301Ter SMO intron_variant CTNNB1 intron_variant MGMT intron_variant TP53 intron_variant TP53 intron_variant ARID1A p.Asp1374Asn MARK2 intron_variant NKX2-1 intron_variant	TP53 p.Leu32= DNMT3B intron_variant MLH3 intron_variant AKT2 intron_variant BAP1 intron_variant BRD4 intron_variant BMPR2 p.Gly215Glu MAP2K4 intron_variant H3C8 3_prime_UTR_variant H3C8 3_prime_UTR_variant KAT5 intron_variant NFATC2 intron_variant MYC p.Glu378Lys TP53 p.Thr123lle PER1 intron_variant	PLCG1 p.Trp1029Ter XAB2 p.Ser851= ARID1A p.Gly1317= SACS p.Ala4424Val SMARCC1 p.Pro1012Ser MITF p.Ala43Thr POLD1 intron_variant RNF43 intron_variant DNMT3B intron_variant ARID1A intron_variant BAP1 intron_variant STK11 intron_variant PAXIP1 p.Gln474Ter	BRCC3 p. Val3Met CUL5 5_prime_UTR_variar SMAD3 intron_variant INHBA p.Thr217Ile ACVR2A 5_prime_UTR_va FANCA intron_variant XRCC6 intron_variant XRCC6 intron_variant KMT2D p.Pro4389Ser PALB2 p.Cys419= KMT2C intron_variant RBM10 p.Lys386= INPPL1 intron_variant ARID1A p.Gln520= RBM10 p.Cys764Tyr RFC5 intron_variant	MUS81 p.Arg363His SMAD2 3_prime_UTR_vari SMAD2 3_prime_UTR_vari PAXIP1 p.Gln473Ter TERT intron_variant MLH3 intron_variant TGFBR1 intron_variant SMAD4 p.Met294Ile BMPR1B intron_variant PLCG1 p.Met1028Ile MEN1 intron_variant BMPR2 intron_variant AKT1 intron_variant AKT1 intron_variant SETD2 p.Ala1464Val	SMO intron_variant MYC p.Gly289Asp PER1 p.Ser656del RAD17 splice_site_variant IKBKE p.Asp398Asn DNMT3A p.Asp614= NFATC2 p.Ser118Phe STK11 intron_variant ARID1A p.Ala2213Thr BAP1 intron_variant BRCC3 p.Ala2Thr AKT1 intron_variant ARID1B p.Asn1241Lys MCM3 p.Leu20=	ARID1B intron_variant SMAD3 intron_variant PER1 intron_variant DNMT3B p.Trp158Ter SMAD3 p.Phe248Val CDC25B intron_variant RTEL1 intron_variant ERBB2 intron_variant ERCC3 intron_variant ERCC3 intron_variant ERCQL5 intron_variant MTOR p.Ile735= KMT2D p.Pro938Ser BMPR1B intron_variant AXL p.Glu524=	DNMT3A 3_prime_UTR_va DNMT3A intron_variant DNMT3A intron_variant MLH3 p.Gly561Arg PTPRT intron_variant CREBBP p.Ala1671= KMT2D intron_variant GATA6 intron_variant RPS6KB2 p.Pro129Ser RPS6KB2 p.Pro129Leu ARID1A p.Pro1259Ser ARID1A p.Glu1767del CTNNA2 p.Glu1767del CTNNA2 p.Glu1767del CTNNA2 p.Gln1274Arg CDH1 intron_variant	MCM3 p. Tyr19= BRCA1 p.Pro606Leu MYC p.Ser154= MLH3 p.Val560= ARID1B intron_variant BAP1 intron_variant KDM6A p.Gly674Ser TGFBR1 intron_variant BRCA2 p.Leu2277Phe KMT2D p.Pro2515Leu EME1 p.Lys222= TERT intron_variant EME1 intron_variant	LEF1 intron_variant ARID1B p.Gln892Arg PRMT5 intron_variant ARID2 p.Gln1207Arg RNF111 intron_variant TP53 intron_variant BMPR1B p.Lys212= NCOA3 intron_variant FANCI p.Leu1294Pro BRCA2 p.Lys1888Arg PAXIP1 p.Ser919= PTEN intron_variant MAD2L2 3_prime_UTR_var	SMAD4 intron_variant CARD11 p.Pro697= BMPR1B p.Thr483= RB1 p.Asn854Ser SETD2 intron_variant MET p.Glu355Gly ARID1B p.Thr2081Ala AURKA intron_variant PBRM1 intron_variant TTK intron_variant ARID1A p.Gln1537Arg BAP1 p.lle191= CREBBP intron_variant	MPLKIP 3_prime_UTR_var BAP1 p.Thr423= FANCA intron_variant SRC p.Glu473= STK11 intron_variant POLQ p.Cys794Arg SETD2 p.Glu1410Lys BRCA2 p.Lys1850= MLH1 p.Thr417= HFM1 p.Ser400= KMT2C intron_variant MRE11 intron_variant SMAD4 intron_variant	BRCA2 p.Gly539Glu RAF1 intron_variant TGFBR1 p.Asp269ThrfsTer RAF1 p.Phe460Ser PTEN p.Gln214Arg PIK3CA p.Met1004Val CLK2 p.Thr93= MGMT p.Met60Val BAP1 p.Pro235= SPTAN1 intron_variant DDX3X p.Lys440= ARID1A intron_variant	MARK2 p.Lys225AsnfsTer1 CDC25B p.Leu384= PAXIP1 p.Ser896= MARK2 p.Asn180Asp TGFBR1 p.Gln498Arg RREB1 p.Asn529Ser SMAD3 p.Asn280Asp MYC p.Gln448Arg ARID1B p.Arg2028= KMT2E p.Glu562= KMT2D intron_variant BRCA2 p.Glv539Glu	BRCA2 p.Gin412Arg BRCA2 p.Ser2988Gly MITF p.Glu115Gly RNF43 intron_variant KAT5 p.Ser254Gly CTNNA2 p.Thr135= CDH1 splice_site_variant CDH1 p.Lys664Glu HUWE1 p.Ile3944Thr ARID2 p.Ala1185= FLT1 p.Phe1239= PAXIP1 p.Ile435Thr	ATXN3 p.Ser322= CTNND1 intron_variant PARP4 p.Phe518= BRCA2 p.Ala3186= PDGFRA p.Glu408Gly MEN1 p.Gly401= NSD2 p.Lys17Arg MET p.Asn371Ser ARID1A p.Thr653Ala ATXN3 intron_variant TTK p.Lys19Arg KAT5 p.Lys427Arg KAT5 p.Lys427Arg	BRD4 p.Ser858Pro BMPR2 intron_variant TTK intron_variant KDM6A p.His189Arg DAXX p.Ser610Pro AKT2 intron_variant MTOR p.Phe705Ser BRCA2 p.Ala577= KMT2C intron_variant ASCC3 intron_variant ASCC3 intron_variant ARID1B p.Asp2050Gly	INPPL1 p.Lys187Glu BAP1 p.Ser497= DAXX p.Leu555Pro BRCA2 intron_variant MITF p.Met64Val NOTCH2 p.Ala2178= BARD1 p.Ser235Pro ARID1A p.Pro1563His EPHA2 p.His233= CHD4 p.Cys376= KEL intron_variant MAP2K4 p.Glu82Gly BRD4 p.Ser858Pro	ARID1A p.Asn1527Ser TCF7L2 p.Lys398Glu BRCA2 p.Ser3094= ARID1A p.Thr1514Ala SPRED1 p.Asn10Asp TP53 intron_variant MYC p.Gln350Arg ACVR2A p.Ala449= MAD2L2 3_prime_UTR_value PAK5 p.Gly704Cys INPPL1 intron_variant SMAD2 p.Ser296Pro	XAB2 intron_variant CTNNA2 p.Met147Val MARK2 intron_variant TET2 p.Pro520= FANCA p.Ser337= SMAD2 p.Val12Ala MAP2K4 p.Thr261= WRN splice_site_variant TP53 3_prime_UTR_varian TGFBR1 p.Lys490Arg ARID1A p.Asn1527Ser	TTK intron_variant DNMT3B p.Trp158Ter MED12 p.Asn1338Asp BAP1 p.Val603Ala MEN1 intron_variant KMT2C intron_variant ARID1B p.Phe1192Cys TP53BP1 p.Ser759Pro ARID1A p.Glu2058= ARID2 p.Gln672= SMAD2 intron_variant SMAD4 p.Gln516Arg REV1 p.Pro337=	PBRM1 intron_variant INHBA p.Leu387Pro CTNNB1 intron_variant PARP2 p.Asn129Ser ATF7IP p.Glu568= SMAD2 3_prime_UTR_vari BMPR2 p.Pro544= SMAD3 p.Thr247Ala ARID1B p.Tyr1420Cys SPTAN1 p.Arg2264= GATA6 intron_variant TP53 p.Leu111Pro	MEN1 p.Ser84Pro MTOR p.Val331Ala FANCA intron_variant FLT3 p.Leu198= KMT2D p.Pro927= MSH5 intron_variant SPTAN1 p.Glu2278Gly PTPRD intron_variant POLD1 intron_variant TET2 p.Lys525= KRAS p.Cys180= TGFBR1 intron_variant	MLH1 p.Glu414Gly SMAD7 intron_variant BRCA2 p.Lys1543Arg BAP1 p.Tyr241= MGMT p.Thr63Ala ARID1B p.Glu2082Gly BRCA2 p.Glu2369= MGMT intron_variant KAT5 p.Ser440= AKT2 intron_variant BMPR1B intron_variant BMPR1B intron_variant	KMT2C p.Phe1882= SMAD3 intron_variant BRCA2 p.Arg2824Gly SMARCA4 intron_variant ACVR2A p.Arg202Gly BMPR1B p.Lys208Arg ATM p.Met1484Val AKT2 p.Leu380Pro INPPL1 intron_variant ARID1A p.Met1497Val FAT4 intron_variant ACVR2A p.Ala452Val	ARID1A intron_variant BRCA1 p.Ala17= SMAD4 p.Ala433= BARD1 p.Phe272Leu ARID1A p.Lys1021Arg KMT2D intron_variant PAXIP1 p.Phe939Ser ARID1A p.Gln1856Arg DNMT1 p.Val1207Ala CHD1 p.Val1207Ala ASCC3 intron_variant ACVR2A p.Gln76Arg	SMAD4 p.Glu33Gly MGMT intron_variant ARID1A p.Pro1563Leu BMPR1B intron_variant KMT2C p.Phe2287Ser ARHGAP35 p.Asp1080Gly BRCA2 p.Asn2814Asp H3C11 p.Gly45Ser BMPR2 p.Thr112Ala PALB2 p.Ile374Thr ARID1A p.Glu1075= HFM1 p.Ser115Pro	PRMT5 p.Phe456Ser MARK2 p.Asp207Gly RPL22 intron_variant ATF7IP p.Glu271Gly ARID1B p.Asp2062Gly BMPR1B p.Arg243Gly BMPR1B p.Asn1778Ser MITF p.Thr54= MCPH1 intron_variant PTPRT intron_variant BRCA2 p.Lys1860= BRCA2 p.Thr1483= ARID1B p.Lys2017Glu	SPTAN1 p.Gln2310Arg GNAS p.Lys151Glu SMAD3 p.Glu162= CREBBP intron_variant EP300 p.Glu1022Gly LEF1 intron_variant CARD11 p.Leu706Pro H3C8 3_prime_UTR_varian KMT2C p.Pro4028= TP53 p.Val272Ala PTPRD p.Phe1196Ser MEN1 intron_variant	BRCA2 p.Glu3177Gly KMT2C intron_variant BMPR1B intron_variant KMT2B p.Asn1869Ser BRCA2 intron_variant AURKA intron_variant BRD4 intron_variant TCF7L2 p.Lys405Glu MITF p.Ile48Val ARID1B p.Gln1267= TCF7L2 intron_variant SMO p.Asp287Gly SMAD3 p.Ile146Val	APC p.Lys1310Glu ARAF p.Gln562Arg SMAD4 p.Lys428Arg MUS81 intron_variant ARID1A p.Asn1270Asp REV1 p.Pro343= MACF1 p.Lys1146= BMPR2 p.Tyr407Cys KEL intron_variant NRAS intron_variant MEN1 p.Ser132Pro MTOR p.Leu693Ser	TP53 intron_variant TP53 intron_variant ARID1B p.Lys2043Arg ARID1B p.Pro1475Leu MLH1 intron_variant MARK2 p.Lys225Glu RNF111 intron_variant SMAD2 p.Ser306Pro RBM10 p.Arg765= TGFBR1 p.Ala380Thr EP300 p.Glu1013Gly KAT5 splice_site_variant ARID1A p.Glu2023= CABD11 p.Ser652Bro	BRCA2 p.Lys2232Arg FGFR1 5_prime_UTR_variant ATXN3 intron_variant NOTCH2 intron_variant ARHGAP35 p.Lys1115Glu WDR48 p.Asn261Ser MUS81 p.Arg350Trp INPPL1 intron_variant GNAS p.Asp144Gly DNMT3B p.Ile168Val BRD4 p.Leu851Pro	AXIN1 p.Cys602Arg SMAD3 p.Asn276Asp ARID1B p.Met922Val KMT2C p.Asp2321= MEN1 p.Arg446= BRD4 intron_variant ARID1A p.Gln425Arg MITF p.Ser52Gly CDC25B intron_variant APC p.Asp459Gly MED12 p.Met1321Val ARID1A p.Gln1346= BAB1 p.Leu622-	CTNNA2 p.Ile155Val PARP4 p.His490Leu SMARCA4 p.Gln1187Arg EME1 p.Gln516Arg PLCG1 p.Ser1033Gly NRAS intron_variant CREBBP intron_variant SMAD2 intron_variant SCAF4 p.Phe341= GATA6 p.Ala541Thr KMT2D p.Ala1512= SMAD2 p.Val419Ala ACVR2A p.Glu271Gly	NRAS intron_variant SMAD6 intron_variant SMAD6 intron_variant MEN1 p.Trp436Arg MTOR intron_variant BMPR1B p.Gly211= FBXW7 intron_variant ACVR2A p.Glu253= BRD4 intron_variant BRCA2 p.Asn2553Ser ARID1A p.Lys1804Arg PTEN p.Asp252Gly SMARCA4 intron_variant FBXW7 intron_variant	SMAD2 intron_variant TERT intron_variant BMPR1B p.Gly7= STK11 p.Asn247Ser NUP93 intron_variant GNAS p.Thr134Ala FANCA intron_variant FANCD2 p.Asn370Ser KAT5 p.Glu436Gly RNF43 p.Pro112= KMT2C intron_variant ARID1A p.Thr953Ala ACVR2A intron_variant	MEN1 p.Asp136= ATM p.Glu2660= SLX4 p.Leu891Pro ATM p.Ile249Val CDC25B intron_variant AKT1 p.Phe88Ser PBRM1 intron_variant NF1 p.Lys1942Arg KMT2C intron_variant CREBBP intron_variant CDC25B intron_variant BMPR2 intron_variant	SMAD3 p.Asn165Ser REV1 p.lle349= TP53 p.Pro142= MYC p.Arg346Gly IRF6 p.Met105Thr MUS81 p.Thr383= MYCN p.Glu269= BRD4 intron_variant BAP1 intron_variant BRD4 intron_variant	MLH3 p.Ser587= MTOR p.Ala158= RNF43 p.Cys762Arg TP53 intron_variant TTK intron_variant TP53 p.Pro390= MSH5 intron_variant BARD1 p.Val240Ala POLD1 intron_variant SMAD2 3_prime_UTR_vari ERCC3 p.Val107Ala ERBB3 p.Gln1266Arg PLCG1 p.Thr1068lle	ARID18 p.Lys1213= H3C11 p.lle75Thr PAK5 p.Pro324= BMPR1B p.Thr245= MITF p.Thr95= MTOR p.Leu133Pro BRD4 p.Gln825Ter ATM p.Asn81Ser ARID1A p.Gln1835Arg BRCA2 p.Asn2591Ser PDGFRA p.Ser783= KMT2A p.Thr923Ala PDGFRA intron_variant	ATXN3 intron_variant ATXN3 intron_variant CLK2 p.Ser132= MYC p.Asn353Ser BMPR2 p.Glu369= MYCN p.Ser287Phe BMPR2 p.Ala216= EHMT2 intron_variant MARK2 p.Glu219= MED12 p.Glu1337= ACVR2B p.Lys323Arg ARID1A p.His477Arg KMT2C p.Met1938Thr KMT2C intron_variant	ACVR2A p.Ser276= FANCI intron_variant MACF1 p.Ala1142= CHEK2 intron_variant BRCA2 intron_variant RREB1 p.Pro543= DNMT3B p.Pro161Ser KMT2C intron_variant MET p.Gly391= NFATC2 p.Glu114Lys BMPR2 p.Gly89= EPHA2 p.Arg244=	PREX2 p.Asn270Ser ARID2 p.Asn661Ser KAT5 intron_variant NRAS intron_variant MYC p.Ser292= ARID1B p.Tyr1144Cys ARID1A p.Asp1826Gly SMAD3 p.Lys20Arg KMT2C p.Leu371Pro PLCG1 p.Lys1045Arg MACF1 p.Asp1148Gly RNF43 intron_variant CDC25B intron_variant PTPRT p.Ile1102Thr SMAD4 intron_variant	ERCC3 p.Ala102Thr FANCI intron_variant PRMT5 p.Phe406Leu ARID2 p.Ala940Thr KMT2D p.Asn1493= ARID1B p.Lys1217Glu AXIN2 3_prime_UTR_varian TP53 3_prime_UTR_varian
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