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| NRAS | exon4:c.A367G:p.R123G |
| NRAS | exon3:c.T167C:p.L56P |
| DDR | exon5:c.G298A:p.V100M |
| DDR | exon12:c.C1376T:p.S459F |
| ERBB4 | exon22:c.T2693C:p.I898T  exon23:c.T2741C:p.I914T |
| ERBB4 | exon14:c.G1700A:p.C567Y  exon15:c.G1778A:p.C593Y |
| ERBB4 | exon8:c.A985G:p.K329E  exon9:c.A1063G:p.K355E |
| ERBB4 | exon7:c.A809G:p.N270S  exon8:c.A887G:p.N296S |
| ERBB4 | exon6:c.C742T:p.Q248X  exon7:c.C820T:p.Q274X |
| ERBB4 | exon6:c.C709T:p.P237S  exon7:c.C787T:p.P263S |
| ERBB4 | exon2:c.C322T:p.L108F  exon3:c.C223T:p.L75F  exon3:c.C400T:p.L134F |
| CTNNB1 | exon2:c.A19G:p.M7V, exon3:c.A40G:p.M14V |
| PIKC3A | exon7:c.T1178C:p.I393T |
| PIKC3A | exon7:c.T1207C:p.C403R |
| PIKC3A | exon19:c.G2671A:p.D891N |
| PIKC3A | exon21:c.T3141G:p.H1047Q |
| FGFR3 | exon11:c.A1586G:p.D529G  exon14:c.A1928G:p.D643G  exon14:c.A1910G:p.D637G  exon14:c.A1922G:p.D641G  exon14:c.A1925G:p.D642G |
| FGFR3 | exon17:c.T2299C:p.C767R |
| FGFR3 | exon15:c.G2032A:p.A678T  exon17:c.G2300A:p.C767Y  exon18:c.G2374A:p.A792T  exon18:c.G2356A:p.A786T  exon18:c.G2368A:p.A790T |
| FGFR3 | exon17:c.G2337A:p.W779X |
| FDXW7 | exon9:c.C1159G:p.R387G  exon9:c.C1273G:p.R425G:  exon9:c.C1513G:p.R505G  exon9:c.C1012G:p.R338G |
| FDXW7 | exon8:c.A1012G:p.T338A  exon8:c.A1126G:p.T376A  exon8:c.A1366G:p.T456A  exon8:c.A865G:p.T289A |
| FDXW7 | exon7:c.G817A:p.G273S  exon7:c.G931A:p.G311S  exon7:c.G1171A:p.G391S  exon7:c.G670A:p.G224S |
| FGFR1 | exon5:c.G322A:p.A108T  exon6:c.G529A:p.A177T  exon6:c.G535A:p.A179T  exon7:c.G796A:p.A266T  exon7:c.G802A:p.A268T  exon8:c.G778A:p.A260T |
| FGFR1 | exon2:c.A146G:p.E49G  exon4:c.A413G:p.E138G  exon4:c.A146G:p.E49G  exon5:c.A389G:p.E130G |
| PTEN | exon4:c.G437A:p.R146K  exon5:c.G482A:p.R161K  exon6:c.G1001A:p.R334K |
| PTEN | exon4:c.A445G:p.K149E  exon5:c.A490G:p.K164E  exon6:c.A1009G:p.K337E  exon6:c.A490G:p.K164E |
| FGFR2 | exon6:c.A813G:p.I271M  exon7:c.A804G:p.I268M:  exon7:c.A807G:p.I269M:  exon7:c.A804G:p.I268M  exon8:c.A885G:p.I295M  exon8:c.A465G:p.I155M  exon8:c.A882G:p.I294M  exon8:c.A1149G:p.I383M  exon9:c.A1152G:p.I384M |
| FGFR2 | exon6:c.T812C:p.I271T  exon7:c.T803C:p.I268T:  exon7:c.T806C:p.I269T:  exon8:c.T881C:p.I294T  exon8:c.T884C:p.I295T  exon8:c.T1151C:p.I384T  exon8:c.T464C:p.I155T  exon8:c.T881C:p.I294T  exon8:c.T1148C:p.I383T |
| FGFR2 | exon6:c.A788G:p.Y263C  exon7:c.A779G:p.Y260C:  exon7:c.A782G:p.Y261C:  exon8:c.A857G:p.Y286C  exon8:c.A860G:p.Y287C  exon8:c.A1127G:p.Y376C  exon8:c.A440G:p.Y147C  exon8:c.A857G:p.Y286C  exon8:c.A1124G:p.Y375C |

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| TP53 | exon3:c.G253C:p.G85R  exon4:c.G334C:p.G112R  exon6:c.G730C:p.G244R  exon6:c.G451C:p.G151R  exon6:c.G613C:p.G205R  exon7:c.G730C:p.G244R |
| TP53 | exon1:c.A140G:p.H47R  exon1:c.A59G:p.H20R  exon4:c.A257G:p.H86R  exon4:c.A419G:p.H140R  exon5:c.A536G:p.H179R |
| TP53 | exon1:c.T91C:p.Y31H  exon1:c.T10C:p.Y4H  exon4:c.T487C:p.Y163H  exon4:c.T208C:p.Y70H  exon4:c.T370C:p.Y124H |
| TP53 | exon1:c.G73T:p.V25F  exon4:c.G469T:p.V157F  exon4:c.G190T:p.V64F  exon5:c.G352T:p.V118F |
| TP53 | exon1:c.G65T:p.G22V  exon4:c.G182T:p.G61V  exon4:c.G344T:p.G115V  exon5:c.G461T:p.G154V |
| TP53 | exon4:c.G396C:p.K132N  exon4:c.G117C:p.K39N |
| SMAD4 | exon3:c.A446G:p.Q149R: |
| SMAD4 | exon5:c.T755C:p.V252A |
| SMAD4 | exon5:c.A764G:p.D255G  exon8:c.A1052G:p.D351G |
| SMAD4 | exon6:c.G862A:p.G288S  exon9:c.G1150A:p.G384S |
| SMAD4 | exon6:c.G863A:p.G288D  exon9:c.G1151A:p.G384D |
| SMAD4 | exon6:c.G869A:p.G290D  exon9:c.G1157A:p.G386D |
| SMAD4 | exon6:c.A910G:p.R304G  exon9:c.A1198G:p.R400G |
| SMAD4 | exon6:c.G911A:p.R304K  exon9:c.G1199A:p.R400K |
| STK11 | exon1:c.T175C:p.S59P |