

| Patient # | #chr | pos | genes | TP1 | purity TP1 | TP2 | Purity TP2 | ref | genotype | location | function | AA change | dbSNP | COSMIC | Provean | Polyphene2 | SIFT |
|-----------|------|-----------|---------|-------|------------|-------|------------|-----|----------|----------|-----------|--------------|-------|--------|-----------|-------------------|-------------|
| 1 | 1 | 118166451 | FAM46C | 91.5% | 95% | 87.7% | 95% | C | C,T | exonic | missense | p.Leu321Phe | 0 | 0 | Damaging | probably damaging | Deleterious |
| 1 | 12 | 25378561 | KRAS | 60.0% | 95% | 53.3% | 95% | G | G,A | exonic | missense | p.Ala146Val | 0 | 1 | Damaging | probably damaging | Deleterious |
| 1 | 2 | 231177361 | SP140 | 85.1% | 95% | 23.5% | 95% | G | G,A | exonic | missense | p.Glu856Lys | 0 | 0 | Damaging | probably damaging | Deleterious |
| 1 | 17 | 7578442 | TP53 | 0.0% | 95% | 87.9% | 95% | T | T,C | exonic | missense | p.Tyr163Cys | 1 | 1 | Damaging | probably damaging | Deleterious |
| 1 | 17 | 7577543 | TP53 | 82.5% | 95% | 94.2% | 95% | C | C,T | exonic | missense | p.Arg246Ile | 0 | 1 | Damaging | probably damaging | Deleterious |
| 1 | 17 | 7578388 | TP53 | 86.6% | 95% | 0.3% | 95% | C | C,T | exonic | missense | p.Arg181His | 0 | 1 | Damaging | probably damaging | Neutral |
| 2 | 1 | 118166361 | FAM46C | 14.5% | 95% | 23.7% | 95% | T | T,TA | exonic | nonsense | p.Tyr291* | 0 | 0 | Damaging | NA | NA |
| 2 | 1 | 115256529 | NRAS | 35.1% | 95% | 25.5% | 95% | T | T,C | exonic | missense | p.Gln61Arg | 1 | 1 | NA | benign | Deleterious |
| 3 | 12 | 25380275 | KRAS | 48.5% | 95% | 21.1% | 95% | T | T,G | exonic | missense | p.Gln61His | 1 | 1 | Damaging | benign | Deleterious |
| 4 | 4 | 114278343 | ANK2 | 4.9% | 90% | 12.1% | 95% | G | G,A | exonic | missense | p.Glu2857Lys | 0 | 0 | Damaging | possibly damaging | Neutral |
| 4 | 4 | 114238891 | ANK2 | 66.8% | 90% | 39.4% | 95% | C | C,T | exonic | missense | p.His908Tyr | 0 | 0 | Damaging | benign | Neutral |
| 4 | 13 | 73336064 | DIS3 | 19.7% | 90% | 36.0% | 95% | C | C,G | exonic | missense | p.Arg780Thr | 0 | 0 | Damaging | probably damaging | Deleterious |
| 4 | 4 | 187630327 | FAT1 | 30.3% | 90% | 36.8% | 95% | C | C,G | exonic | missense | p.Glu219Gln | 0 | 0 | Tolerated | probably damaging | Neutral |
| 4 | 3 | 168833696 | MECOM | 29.5% | 90% | 55.8% | 95% | G | G,A | exonic | missense | p.Ser655Leu | 0 | 0 | Damaging | possibly damaging | Neutral |
| 4 | 22 | 29195074 | XBP1 | 27.5% | 90% | 40.3% | 95% | C | C,T | exonic | missense | p.Glu99Lys | 0 | 0 | Damaging | probably damaging | Deleterious |
| 4 | 8 | 77765663 | ZFX4 | 12.8% | 90% | 7.8% | 95% | C | C,T | exonic | missense | p.Ser2169Phe | 0 | 0 | Damaging | probably damaging | Deleterious |
| 5 | 4 | 126239563 | FAT4 | 11.8% | 85% | 10.0% | 85% | C | C,A | exonic | missense | p.Ser666Tyr | 0 | 0 | Tolerated | benign | Deleterious |
| 5 | 12 | 25380275 | KRAS | 18.6% | 85% | 5.9% | 85% | T | T,G | exonic | missense | p.Gln61His | 1 | 1 | Damaging | benign | Deleterious |
| 6 | 1 | 115256550 | NRAS | 25% | 95% | 0.0% | 95% | T | T,C | exonic | missense | p.Pro54Leu | 0 | 0 | Damaging | probably damaging | Deleterious |
| 7 | 2 | 231155180 | SP140 | 47.6% | 95% | 36.8% | 95% | A | A,T | exonic | nonsense | p.Arg576* | 0 | 0 | NA | NA | NA |
| 9 | 3 | 64527277 | ADAMTS9 | 57.3% | 95% | 26.1% | 90% | G | G,T | exonic | nonsense | p.Cys1739* | 0 | 0 | NA | NA | NA |
| 9 | 12 | 25380275 | KRAS | 42.3% | 95% | 16.3% | 90% | T | T,G | exonic | missense | p.Gln61His | 1 | 1 | Damaging | benign | Deleterious |
| 10 | 1 | 115256528 | NRAS | 17.1% | 95% | 73.7% | 95% | T | T,G | exonic | missense | p.Gln61His | 1 | 1 | Damaging | benign | Deleterious |
| 11 | 12 | 25398281 | KRAS | 21.4% | 90% | 38.8% | 95% | C | C,T | exonic | missense | p.Gly13Asp | 1 | 1 | Damaging | possibly damaging | Deleterious |
| 12 | 12 | 25380275 | KRAS | 0.0% | 95% | 8.5% | 65% | T | T,G | exonic | missense | p.Gln61His | 1 | 1 | Damaging | benign | Deleterious |
| 13 | 11 | 69456256 | CCND1 | 43.7% | 95% | 50.0% | 95% | A | A,C | exonic | missense | p.Ile59Leu | 0 | 0 | Tolerated | benign | Neutral |
| 16 | 13 | 73347826 | DIS3 | 92.6% | 95% | 64.2% | 85% | G | G,A | exonic | missense | p.Pro412Leu | 0 | 0 | NA | probably damaging | Deleterious |
| 16 | 2 | 141986760 | LRP1B | 42.4% | 95% | 44.5% | 85% | G | G,A | exonic | missense | p.Ser281Phe | 0 | 0 | Damaging | benign | Deleterious |
| 16 | 2 | 231101961 | SP140 | 53.1% | 95% | 57.1% | 85% | G | G,T | exonic | nonsense | p.Glu75* | 0 | 0 | Tolerated | NA | NA |
| 17 | 7 | 140453155 | BRAF | 12.2% | 70% | 33.0% | 95% | C | C,T | exonic | missense | p.Asp594Asn | 0 | 1 | Damaging | probably damaging | Deleterious |
| 17 | 12 | 25380268 | KRAS | 4.0% | 70% | 0.4% | 95% | A | A,T | exonic | missense | p.Tyr64Asn | 0 | 1 | Damaging | probably damaging | Deleterious |
| 17 | 12 | 25378562 | KRAS | 5.4% | 70% | 46.5% | 95% | C | C,T | exonic | missense | p.Ala146Thr | 1 | 1 | Damaging | probably damaging | Deleterious |
| 19 | 5 | 13864642 | DNAH5 | 38.0% | 95% | 30.0% | 85% | G | G,A | exonic | missense | p.Ala1487Val | 0 | 0 | Damaging | benign | Neutral |
| 19 | 1 | 115256537 | NRAS | 23.5% | 95% | 21.0% | 95% | T | ATCCAGTA | exonic | insertion | frameshift | 0 | 0 | Damaging | NA | Deleterious |
| 19 | 21 | 32639116 | TIAM1 | 44.1% | 95% | 27.8% | 85% | G | G,A | exonic | missense | p.Ser58Phe | 0 | 0 | Damaging | probably damaging | Neutral |
| 19 | 17 | 7577547 | TP53 | 0.2% | 95% | 4.7% | 85% | C | C,T | exonic | missense | p.Gly245Asp | 1 | 1 | Damaging | probably damaging | Deleterious |
| 21 | 13 | 73336064 | DIS3 | 32.2% | 95% | 3.4% | 60% | C | C,T | exonic | missense | p.Arg780Lys | 0 | 0 | Damaging | probably damaging | Deleterious |
| 21 | 1 | 118166287 | FAM46C | 44.2% | 95% | 9.6% | 60% | T | T,C | exonic | missense | p.Leu266Pro | 0 | 0 | Damaging | probably damaging | Deleterious |
| 21 | 1 | 115256530 | NRAS | 38.5% | 95% | 12.0% | 60% | G | G,T | exonic | missense | p.Gln61Lys | 1 | 1 | Damaging | benign | Deleterious |
| 22 | 11 | 108121483 | ATM | 41.3% | 95% | 14.8% | 85% | G | G,T | exonic | nonsense | p.Glu431* | 0 | 0 | Damaging | NA | NA |
| 22 | 11 | 108225584 | ATM | 49.1% | 95% | 20.4% | 85% | C | C,A | exonic | missense | p.Leu2945Met | 0 | 0 | Tolerated | probably damaging | Neutral |
| 22 | 13 | 73335945 | DIS3 | 97.4% | 95% | 23.4% | 85% | C | C,G | exonic | missense | p.Asp784His | 0 | 0 | Tolerated | probably damaging | Deleterious |
| 22 | 7 | 43436462 | HECW1 | 54.7% | 95% | 18.3% | 85% | G | G,A | exonic | missense | p.Arg202Gln | 0 | 0 | NA | probably damaging | Neutral |
| 22 | 2 | 141533765 | LRP1B | 51.0% | 95% | 14.0% | 85% | C | C,G | exonic | missense | p.Gly1801Ala | 0 | 0 | Damaging | probably damaging | Neutral |

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|-----------|----|-----------|---------------|-------|-----|-------|-----|---|-----|--------|----------|--------------|---|---|-----------|-------------------|-------------|
| 22 | 2 | 152474835 | NEB | 0.0% | 95% | 13.6% | 85% | G | G,C | exonic | missense | p.Thr3677Ser | 0 | 0 | Tolerated | benign | Neutral |
| 22 | 1 | 16256446 | SPEN | 49.9% | 95% | 17.3% | 85% | C | C,G | exonic | missense | p.Ile1237Met | 0 | 0 | Damaging | possibly damaging | Neutral |
| 22 | 22 | 29195088 | XBP1 | 97.9% | 95% | 24.0% | 85% | C | T,T | exonic | missense | p.Arg94Gln | 0 | 0 | Tolerated | possibly damaging | NA |
| 23 | 1 | 118166317 | FAM46C | 0.0% | 95% | 23.5% | 95% | T | T,C | exonic | missense | p.Ile276Thr | 0 | 0 | Damaging | probably damaging | Deleterious |
| 23 | 4 | 187525551 | FAT1 | 0.0% | 95% | 73.3% | 95% | G | G,T | exonic | missense | p.His3512Asn | 0 | 0 | Damaging | benign | Neutral |
| 23 | 12 | 25398284 | KRAS | 28.8% | 95% | 0.0% | 95% | C | C,A | exonic | missense | p.Gly12Val | 1 | 1 | Damaging | probably damaging | Deleterious |
| 23 | 1 | 16260974 | SPEN | 0.0% | 95% | 18.4% | 95% | A | A,G | exonic | missense | p.Thr2747Ala | 0 | 0 | Tolerated | possibly damaging | Neutral |
| 23 | 17 | 7577094 | TP53 | 24.4% | 95% | 91.5% | 95% | G | G,A | exonic | missense | p.Arg282Trp | 1 | 1 | Tolerated | probably damaging | Deleterious |
| 24 | 6 | 106554331 | PRDM1 | 0.0% | - | 45.3% | - | A | A,G | exonic | missense | p.Lys620Arg | 0 | 0 | Damaging | probably damaging | Deleterious |
| 25 | 12 | 25398285 | KRAS | 10.7% | - | 68.8% | - | C | C/A | exonic | missense | p.Gly12Cys | 1 | 1 | Damaging | probably damaging | Deleterious |
| 25 | 17 | 7578553 | TP53 | 3.7% | - | 1.3% | - | T | T/C | exonic | missense | p.Tyr126Cys | 0 | 1 | Damaging | probably damaging | Deleterious |