**Supplementary table 1. Called somatic variants**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | COVID status | Gene  name | Chr. | Start  position | Reference allele | Variant allele | | Variant classification | Protein change | cDNA change | COSMIC ID | VAF [%] | Coverage |
| 1 | Severe | *MPL* | chr 1 | 43818309 | C | T | Nonsense | | R592\* | 1774C>T | COSV65244649 | 7.32 | 1011 |
| 8 | Severe | *ATM* | chr 11 | 108213997 | - | A | Indel | | T2773fs\*6 | 8317\_8318insA | - | 7.08 | 706 |
| 8 | Severe | *U2AF1* | chr21 | 44514777 | A | C | Missense | | Q157P | 470A>C | COSV52341120 | 2.53 | 1188 |
| 9 | Moderate | *TET2* | chr4 | 106197163 | GTCCAGGGTG | - | Indel | | V1833fs\*51 | 5497\_5506delGTCCAGGGTG |  | 5.75 | 1391 |
| 11 | Moderate | *TET2* | chr4 | 106157153 | AA | - | Indel | | R686fs\*6 | 2055\_2056delAA | - | 6.61 | 847 |
| 16 | Control | *TET2* | chr4 | 106157845 | C | T | Nonsense | | Q916\* | 2746C>T | COSV54396018 | 1.35 | 742 |
| 16 | Control | *TP53* | chr17 | 7578556 | A | G | Splice | | 376-2A>G | 376-2A>G | - | 1.91 | 575 |
| 21 | Severe | *TET2* | chr4 | 106162533 | C | - | Indel | | H1150fs\*2 | 3448delC | COSV54433966 | 14.23 | 478 |
| 21 | Severe | *TET2* | chr4 | 106157741 | G | - | Indel | | R881fs\*40 | 2643delG | - | 7.22 | 1067 |
| 24 | Control | *DNMT3A* | chr2 | 25457242 | G | A | Missense | | R882H | 2645G>A | COSV53036153 | 25.23 | 543 |
| 25 | Control | *DNMT3A* | chr2 | 25457242 | G | A | Missense | | R882H | 2645G>A | COSV53036153 | 2.6 | 616 |
| 38 | Severe | *SRSF2* | chr17 | 74732959 | C | A | Missense | | P95H | 284C>A | COSV57969816 | 3.1 | 355 |
| 40 | Moderate | *JAK2* | chr9 | 5073770 | G | T | Missense | | V617F | 1849G>T | COSV67569051 | 2.17 | 415 |
| 41 | Severe | *TET2* | chr4 | 106157796 | T | G | Nonsense | | Y899\* | 2697T>G | - | 8.89 | 742 |
| 41 | Severe | *CBL* | chr11 | 119148967 | G | A | Missense | | C396Y | 1187G>A | COSV50632424 | 1.83 | 438 |
| 48 | Moderate | *TET2* | chr4 | 106156160 | C | G | Nonsense | | S354\* | 1061C>G | COSV54398893 | 1.17 | 428 |
| 49 | Moderate | *DNMT3A* | chr2 | 25468168 | - | A | Indel | | T503fs\*43 | 1507\_1508insA | - | 12.4 | 484 |
| 51 | Moderate | *DNMT3A* | chr2 | 25467478 | A | G | Missense | | Y533C | 1598A>G | COSV53037384 | 9.25 | 508 |
| 51 | Moderate | *TP53* | chr17 | 7577574 | A | G | Missense | | Y236C | 707A>G | COSV52662150 | 1.22 | 655 |
| 52 | Moderate | *DNMT3A* | chr2 | 25467199 | - | T | Indel | | C559fs\*19 | 1675\_1676insT | - | 18.29 | 563 |
| 57 | Moderate | *TET2* | chr4 | 106197207 | G | A | Nonsense | | W1847\* | 5540G>A | COSV54396376 | 10.29 | 875 |
| 61 | Severe | *TP53* | chr17 | 7577570 | G | T | Missense | | M237I | 711G>T | COSV52681050 | 1.18 | 765 |
| 63 | Severe | *DNMT3A* | chr2 | 25457243 | C | A | Missense | | R882S | 2644C>A | COSV53037241 | 1.45 | 622 |
| 71 | Severe | *ASXL1* | chr20 | 31022937 | C | - | Nonsense | | P808fs\*10 | 2423delC | - | 20.11 | 880 |
| 72 | Severe | *DNMT3A* | chr2 | 25457243 | C | T | Missense | | R882C | 2644C>T | COSV53036332 | 13.95 | 552 |
| 74 | Control | *DNMT3A* | chr2 | 25462001 | A | - | Indel | | N802fs\*8 | 2405delA | - | 15.4 | 591 |
| 74 | Control | *DNMT3A* | chr2 | 25463248 | C | T | Missense | | R749C | 2245C>T | COSV53037963 | 11.98 | 509 |
| 74 | Control | *TET2* | chr4 | 106180865 | G | A | Missense | | C1298Y | 3893G>A | COSV54396403 | 6.57 | 472 |
| 75 | Control | *TET2* | chr4 | 106193802 | - | TA | Indel | | K1422fs\*27 | 4264\_4265insTA | COSV54419014 | 33.92 | 858 |
| 76 | Moderate | *DNMT3A* | chr2 | 25469647 | A | G | Splice | | 1123-2A>G | 1123-2A>G | - | 8.23 | 389 |
| 77 | Severe | *DNMT3A* | chr2 | 25468159 | GAAC | - | Indel | | E505fs\*145 | 1513\_1516delGAAC | - | 26.21 | 477 |
| 77 | Severe | *TET2* | chr4 | 106155421 | C | T | Nonsense | | Q108\* | 322C>T | COSV54436729 | 25.44 | 735 |
| 78 | Moderate | *SH2B3* | chr12 | 111885160 | C | - | Indel | | P350fs\*23 | 1049delC | - | 13.38 | 949 |
| 78 | Moderate | *PHF6* | chr X | 133512083 | G | - | Indel | | G63fs\*18 | 188delG | - | 9.46 | 518 |
| 78 | Moderate | *ASXL1* | chr20 | 31022414 | AGAGAGGCGGCCACCACTGCCA | - | Indel | | E635fs\*15 | 1900\_1922del23 | COSV60102280 | 9.35 | 877 |
| 85 | Severe | *CBL* | chr11 | 119148931 | G | A | Missense | | C384Y | 1151G>A | COSV50633156 | 2.96 | 371 |
| 93 | Moderate | *DNMT3A* | chr2 | 25457243 | C | T | Missense | | R882C | 2644C>T | COSV53036332 | 1.89 | 477 |
| 99 | Severe | *DNMT3A* | chr2 | 25466799 | G | A | Missense | | R635Q | 1904G>A | COSV53040573 | 1.38 | 580 |
| 106 | Severe | *DNMT3A* | chr2 | 25470498 | C | T | Missense | | R326C | 976C>T | COSV53036167 | 14.99 | 447 |
| 107 | Severe | *DNMT3A* | chr2 | 25463296 | G | A | Missense | | E733K | 2197G>A | - | 12.07 | 663 |
| 115 | Severe | *TET2* | chr4 | 106180927 | G | A | Splice | | 3954+1G>A | 3954+1G>A | - | 2.11 | 474 |
| 115 | Severe | *TET2* | chr4 | 106164764 | G | A | Missense | | C1211Y | 3632G>A | COSV54422981 | 1.55 | 647 |
| 117 | Control | *DNMT3A* | chr2 | 25470535 | G | A | Nonsense | | W313\* | 939G>A | COSV53042065 | 6.38 | 470 |
| 126 | Control | *SF3B1* | chr2 | 198267359 | G | C | Missense | | K666N | 1998G>C | COSV59205777 | 1.69 | 590 |
| 132 | Control | *DNMT3A* | chr2 | 25457158 | C | T | Missense | | A910V | 2729C>T | COSV53044586 | 11.07 | 587 |
| 135 | Control | *ASXL1* | chr20 | 31022450 | - | T | Indel | | G646fs\*12 | 1935\_1936insT | - | 4.02 | 497 |
| 137 | Control | *TET2* | chr4 | 106180838 | G | A | Missense | | C1289Y | 3866G>A | COSV54420752 | 2.85 | 562 |