# **Next Generation Sequencing**

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#### Predicted Protein 3D Structures

Provide reliable insights into whether missense variants are disease associated or not.



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### All in one place

### From raw data

| *****  |
|--|
| A00178:71:HGT77DSXX:1:1507:30291:23422 1:N:0:ACAGCAAC+GTTGCTGT                                   |
| CATAGAGCTTGATGTTGTTGTTGGCCTTCTTCCTGGTGTCGAAGAGGTCAAAGGGGGGGCCTCTTGGGGACAAAAAGGACAGCCTTGAACTCAAGC |
|  |
| 400170-71-WCT77NSVV-1-1507-20201-22422-2-N-0-A-A-A-C-A-C-ATTC-TCT                                |
| TGGATGAGGAAGCCTGAGGAGATCACCAAGGAGGAGGAGTATGCTGCTTTCTATAAAAGCTTGACAAATGACTGGGAAGAGCATCTGGCTGTCAA  |
|  |
| A00178:71:HGT77DSXX:1:2413:22806:35790 1:N:0:ACAGCAAC+GTTGCTGT                                   |
| CTTGATGTTGTTGGCCTTCTTCCTGGTGTCGAAGAGGTCAAAGGGGGGGCCTCTTGGGGACAAAAGGACAGCCTTGAACTCAAGCTGCCCCT     |
| ******   |
| A00178:71:HGT77DSXX:1:2413:22806:35790 2:N:0:ACAGCAAC+GTTGCTGT                                   |
| AGAAGAAAAAGAAGAAGACGATCAAGGAGGTTTCTCATGAATGGTCCTTGATCAACAAGCAGAAACCTATCTGGATGAGGAAGCCTGAGGAGATC  |
| :FF:FFFFFFF,:FFFFFFF:FFFFFFFFFFFFFFFFF   |
| A00178:71:HGT77DSXX:1:2354:5620:8876 1:N:0:ACAGCAAC+GTTGCTGT                                     |
| TGTTGTTGGCCTTCTTCCTGGTGTCGAAGAGGTCAAAGGGGGGGCCTCTTGGGGGACAAAAGGGACAGCCTTGAACTCAAGCTGCCCCTCTACA   |
| ₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽  |
| A00178:71:HGT77DSXX:1:2354:5620:8876 2:N:0:ACAGCAAC+GTTGCTGT                                     |
| GAAGGAAGAGAAGAAGAAGAAAAAAGAAGAAGACGATCAAGGAGGTTTCTCATGAATGGTCCTTGATCAACAAGCAGAAACCTATCTGGATGAGGA |

### Through analysis

| Chrom | - Position - | Ref Base | - Alt_B | ase Gene | Transcri | gene_id  | gene_name        | sample1 | sample2 | sample3 | sample4 |
|-------|--------------|----------|---------|----------|----------|----------|------------------|---------|---------|---------|---------|
| chr17 | 35107388     | -        | G       | RAD51D   | ENSTOO   | A1BG     | NM_130786.4      | 295.112 | 124.348 | 402.163 | 458.106 |
| chr10 | 98431182     | G        | -       | HPS1     | ENSTOO   | A1BG-AS1 | NR_015380.2      | 0.15588 | 0.51845 | 0.28225 | 0.10488 |
| 1 47  | 0076675      | 6        |         | 11 01    | ENGTOO   | A1CF     | NM_001198818.2   | 57.9129 | 63.8606 | 38.1152 | 115.198 |
| cnr17 | 8076675      | C        | -       | ALUX12B  | ENSTOO   | A2M      | NM 000014.6      | 550.403 | 2150.82 | 2117.6  | 85.459  |
| chr1  | 149925928    | -        | G       | SF3B4    | ENST00   | A2M-AS1  | NR_026971.1      | 0.28671 | 0.46993 | 0.11426 | 3.13039 |
| chr3  | 52406871     | G        | -       | BAP1     | ENST00   | A2ML1    | XM_011520567.3   | 0       | 0.03711 | 0       | 0       |
| chr7  | 128851458    | G        | -       | FLNC     | ENST00   | A2MP1    | NR_040112.1      | 0       | 0.09026 | 0.11243 | 0       |
| chr11 | 66849959     | -        | G       | PC       | ENST00   | A3GALT2  | NM_001080438.1   | 0       | 0.02736 | 0.02725 | 0       |
| chr11 | 77174839     | c        | -       | MY07A    | ENST00   | A4GALT   | XM_006724265.4   | 0.62721 | 1.00377 | 1.11062 | 1.20848 |
| -1-12 | 114205522    | -        | c       | TOVE     | ENICTOO  | A4GNT    | NM_016161.3      | 0.04076 | 0       | 0.01451 | 0       |
| chriz | 114385522    | -        | C       | IBY2     | ENSTOO   | AA06     | NR 037584.2      | 0       | 0       | 0       | 0       |
| chr13 | 32336622     | -        | С       | BRCA2    | ENST00   | AAAS     | NM 001173466.2   | 5,49374 | 13.3586 | 7,75883 | 19.2346 |
| chr11 | 2662044      | -        | G       | KCNQ1    | ENST00   | AAAS-2   | NM 001173466.2-2 | 5.49374 | 15.9429 | 8.11024 | 19.8648 |
| chr12 | 114385518    | -        | С       | TBX5     | ENST00   | AACS     | NM_001414678.1   | 1.49719 | 4.7611  | 3.28315 | 1.30859 |
|       |              |          |         |          |          |          |                  |         |         |         |         |

To anything you need











# Contact Us

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