

## **A new disease-specific machine learning approach for the prediction of cancer-causing missense variants.**

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**Supplementary Table 1.**

| <b>Method</b> | <b>URL</b>  | <b>Ref.</b> |
|---------------|---|-------------|
| CanPredict    | <a href="http://www.cgl.ucsf.edu/Research/genentech/canpredict/">http://www.cgl.ucsf.edu/Research/genentech/canpredict/</a>                     | [1]         |
| CHASM         | <a href="http://wiki.chasmssoftware.org/i">http://wiki.chasmssoftware.org/i</a>   | [2]         |
| LS-SNP        | <a href="http://modbase.compbio.ucsf.edu/LS-SNP/">http://modbase.compbio.ucsf.edu/LS-SNP/</a>   | [3]         |
| MutD          | <a href="http://mud.tau.ac.il">http://mud.tau.ac.il</a>   | [4]         |
| MutPred       | <a href="http://mutpred.mutdb.org/">http://mutpred.mutdb.org/</a>   | [5]         |
| nsSNPAnalyzer | <a href="http://snpanalyzer.uthsc.edu/">http://snpanalyzer.uthsc.edu/</a>   | [6]         |
| PANTHER       | <a href="http://www.pantherdb.org/tools/csnpscoreForm.jsp">http://www.pantherdb.org/tools/csnpscoreForm.jsp</a>                                 | [7]         |
| PhD-SNP       | <a href="http://gpcr2.biocomp.unibo.it/cgi/predictors/PhD-SNP/PhD-SNP.cgi">http://gpcr2.biocomp.unibo.it/cgi/predictors/PhD-SNP/PhD-SNP.cgi</a> | [8]         |
| PMUT          | <a href="http://mmb2.pcb.ub.es:8080/PMut/">http://mmb2.pcb.ub.es:8080/PMut/</a>   | [9]         |
| PolyPhen      | <a href="http://genetics.bwh.harvard.edu/pph2/">http://genetics.bwh.harvard.edu/pph2/</a>   | [10]        |
| SIFT          | <a href="http://sift.jcvi.org/">http://sift.jcvi.org/</a>   | [11]        |
| SNAP          | <a href="http://rostlab.org/services/snap/">http://rostlab.org/services/snap/</a>   | [12]        |
| SNPs3D        | <a href="http://www.snps3d.org/">http://www.snps3d.org/</a>   | [13]        |
| SNPs&GO       | <a href="http://snps.uib.es/snps-and-go/">http://snps.uib.es/snps-and-go/</a>   | [14]        |

Web available servers for the prediction of deleterious missense variants.

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