

Table S1 Bioinformatic tools

Software	source
<b>BWA</b>	<a href="https://sourceforge.net/projects/bio-bwa/files/">https://sourceforge.net/projects/bio-bwa/files/</a>
<b>Picard (v2.5.0)</b>	<a href="http://broadinstitute.github.io/picard">http://broadinstitute.github.io/picard</a>
<b>GATK(4.1.4.1)</b>	<a href="https://software.broadinstitute.org/gatk/">https://software.broadinstitute.org/gatk/</a>
<b>SnpEff</b>	<a href="http://snpeff.sourceforge.net/">http://snpeff.sourceforge.net/</a>
<b>SIFT</b>	<a href="https://sift.bii.a-star.edu.sg/">https://sift.bii.a-star.edu.sg/</a>
<b>MutationTaster</b>	<a href="http://www.mutationtaster.org/">http://www.mutationtaster.org/</a>
<b>PolyPhen2</b>	<a href="http://genetics.bwh.harvard.edu/pph2/">http://genetics.bwh.harvard.edu/pph2/</a>
<b>Condel</b>	<a href="https://omictools.com/condel-tool">https://omictools.com/condel-tool</a>
<b>FATHMM</b>	<a href="http://fathmm.biocompute.org.uk/">http://fathmm.biocompute.org.uk/</a>
<b>BDGP</b>	<a href="http://www.fruitfly.org/seq_tools/splice.html">http://www.fruitfly.org/seq_tools/splice.html</a>
<b>Softberry-FSPLICE</b>	<a href="http://www.softberry.com/berry.phtml?topic=fsplICE&amp;group=programs&amp;subgroup=gfind">http://www.softberry.com/berry.phtml?topic=fsplICE&amp;group=programs&amp;subgroup=gfind</a>
<b>NETGENE2</b>	<a href="https://services.healthtech.dtu.dk/service.php?NetGene2-2.42">https://services.healthtech.dtu.dk/service.php?NetGene2-2.42</a>