

**Supplementary Table S1**

Distribution of the mutations among the different protein domains

<i>Involved domain</i>	<i>N. of different mutations</i>	<i>N. of independent cases</i>	<i>%</i>
<i>ADD</i>	3	7	50
<i>Helicase</i>	4	4	28.5
<i>Others</i>	3	3	21.5