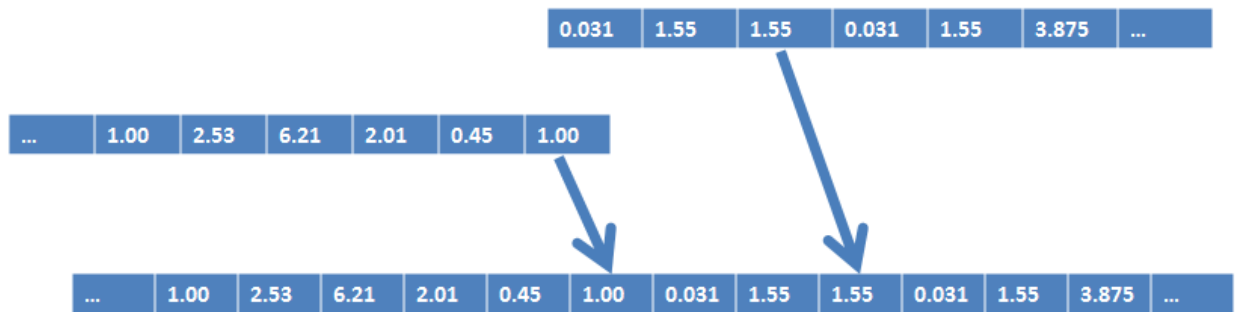


**A**

<i>S cer</i>	M	Q	R	F	S	L	...
<i>S kud</i>	M	R	R	F	T	T	...
<i>S bay</i>	M	Q	K	F	T	S	...
<i>S par</i>	M	Q	R	F	T	L	...
<i>S mik</i>	M	Q	R	F	T	L	...
Rate category	0.01	0.5	0.5	0.01	0.5	1.25	...
Evolutionary rate for the site	0.031	1.55	1.55	0.031	1.55	3.875	...

} Protein Evolutionary Rate: 3.1

**B**



**C**

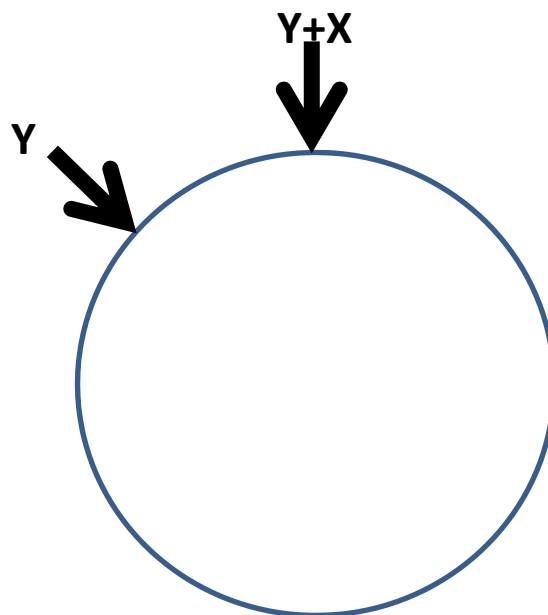


Fig. S2