

**Supplementary Table 2.** Receiver operating characteristics (ROC) result of various tools used for function prediction

S. No.	Software	Accuracy (%)	Sensitivity (%)	Specificity (%)	ROC area
1	InterProScan	84	83.7	100	0.918
2	Motif	84	83.7	100	0.918
3	SMART	82	81.6	100	0.908
4	HMMER	84	83.3	100	0.917
5	NCBI CDART	84	83.7	100	0.918
6	Average	83.6	83.2	100	0.90