

Table S1 : Performance metrics of temperate markers predictors

<i>Predictor</i>	<i>Dataset</i>	<i>Mean MCC</i>	<i>Mean F1</i>	<i>Mean AUC</i>	<i>Mean Accuracy</i>
<i>Integrase</i>	Original	0.92	0.92	0.94	0.99
	Filtered_75	0.94	0.94	0.95	0.99
	Filtered_100	0.94	0.94	0.95	0.99
	Filtered_125	0.94	0.94	0.95	0.99
<i>Cro/CI</i>	Original	0.82	0.81	0.86	0.99
	Filtered_75	0.82	0.81	0.85	0.99
	Filtered_100	0.87	0.86	0.9	0.99
	Filtered_125	0.85	0.83	0.88	0.99
<i>Immunity repressor</i>	Original	0.83	0.83	0.9	0.99
	Filtered_75	0.88	0.88	0.91	0.99
	Filtered_100	0.92	0.91	0.93	0.99
	Filtered_125	0.95	0.94	0.96	0.99
<i>ParA</i>	Original	0.88	0.88	0.9	0.99
<i>Antirepressor</i>	Original	0.87	0.86	0.9	0.99
	Filtered_75	0.91	0.9	0.92	0.99
	Filtered_100	0.86	0.85	0.89	0.99
	Filtered_125	0.9	0.89	0.91	0.99

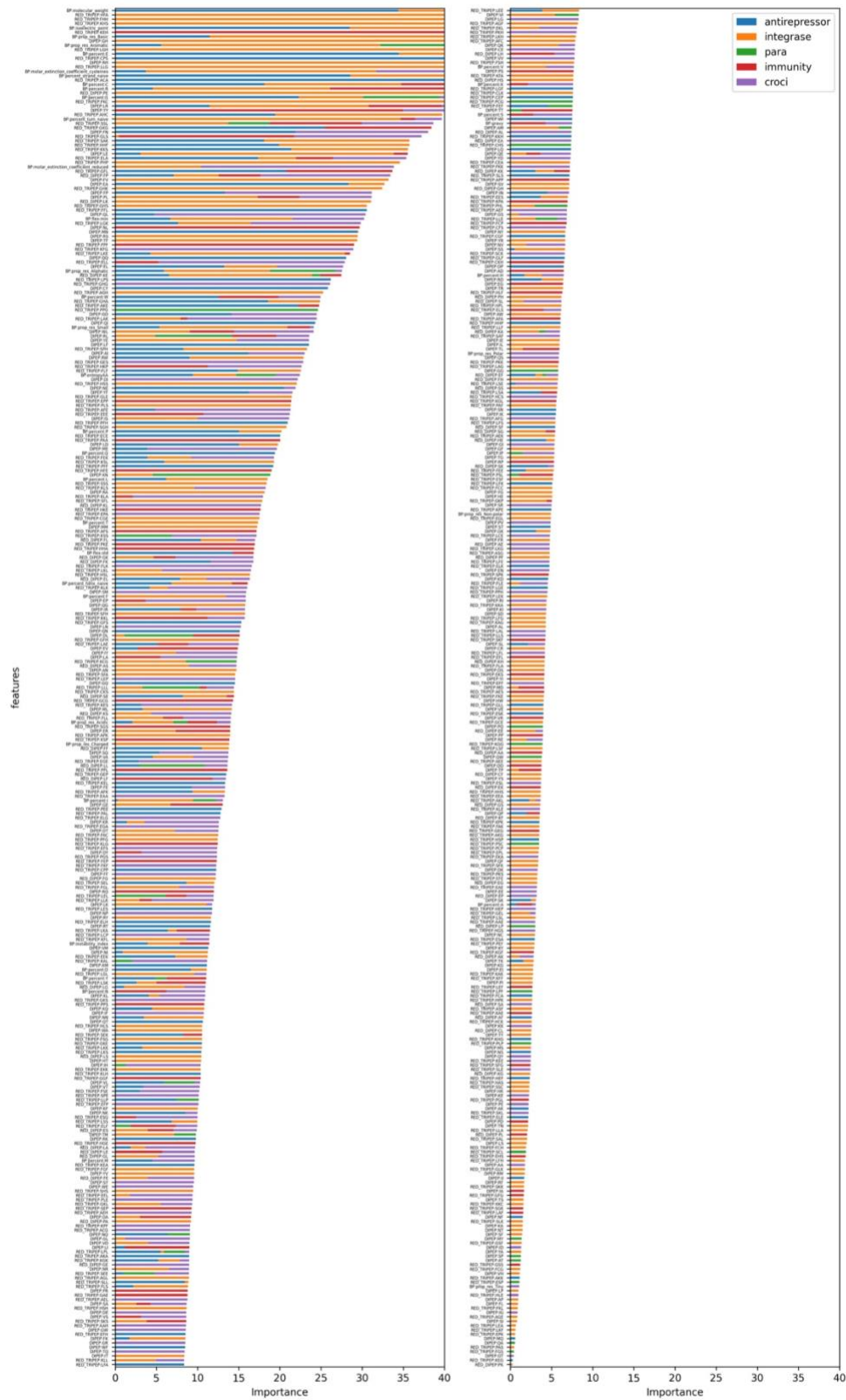


Figure S1: Feature importance scores of features used for temperate markers predictors