Support Vector Machine-Forest Fires

Kernel	Accuracy
rbfdot	0.72619
polydot	0.72222
tanhdot	0.56349
vanilladot	0.72222
laplacedot	0.72222

Confusion Matrix

rbfdot		
Actual		
Predicted	large	small
large	5	4
small	65	178

vanilladot		
Actual		
Predicted	large	small
large	0	0
small	70	182

tanhdot		
Actual		
Predicted	large	small
large	14	54
small	56	128

polydot		
Actual		
Predicted	large	small
large	0	0
small	70	182

laplacedot		
Actual		
Predicted	large	small
large	0	0
small	70	182

From the above data , rbfdot and vanilladot having good accuracy with negligible difference . As we are unable to find F1_scores for vanilladot so we consider rbfdot as final model.