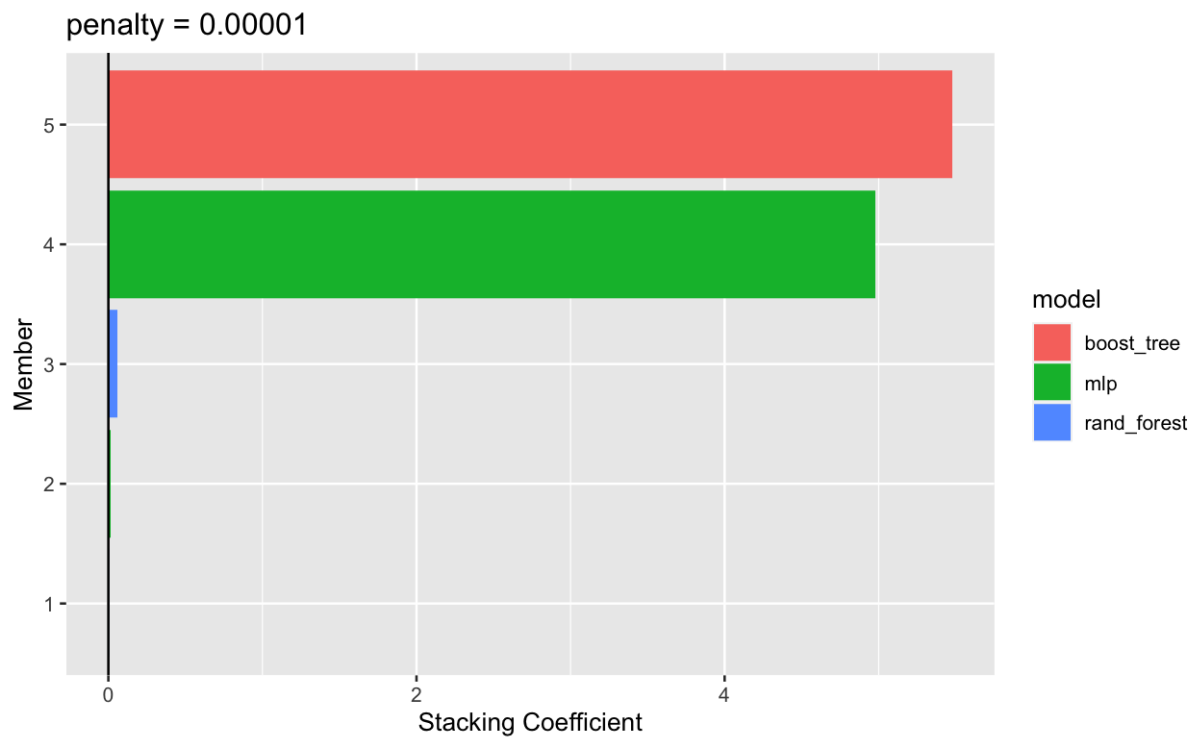


Plot of Stacking model showing the contributions of each model for ganciclovir.



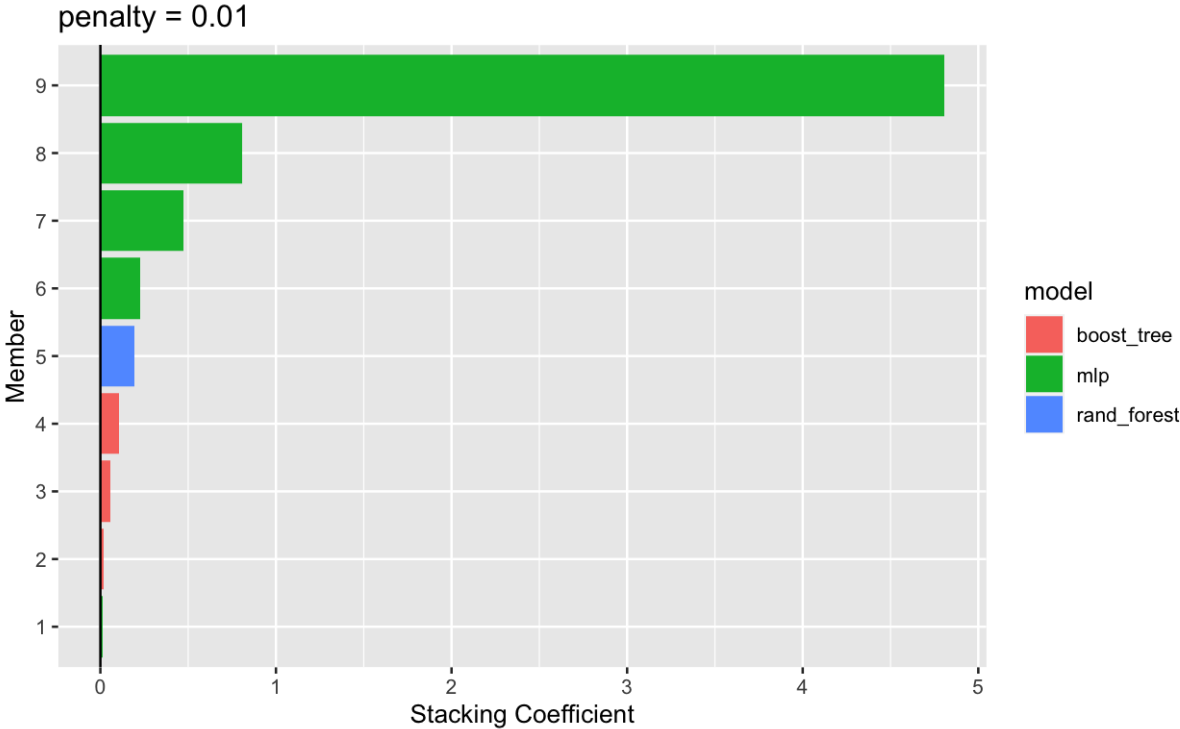
Mlp: neural networks algorithm, boost\_tree: Xgboost algorithm

The penalty value associated with the smallest RMSE was 0.1.

The boosted tree and neural network models have the largest contributions to the ensemble.

member	mtry	Min_n	Tree_depth	learn_rate	sample_size	coef	hidden_units	epochs
tune_xgb_1_09	6	5	6	0.00183	0.1426	5.47		
rand_forest_res_1_07	8	22				0.00233		
rand_forest_res_1_09	4	39				0.056822636		
nnet_res_1_05						0.0157	6	961
nnet_res_1_07						4.975	1	70

Plot of Stacking model showing the contributions of each model for Valganciclovir.



Mlp: neural networks algorithm, boost\_tree: Xgboost algorithm, rand\_forest: Random Forest Algorithm

The penalty value associated with the smallest RMSE was 0.01.

The neural network and boosted tree models have the largest contributions to the ensemble.

member	mtry	Min_n	Tree_depth	learn_rate	sample_size	coef	hidden_units	epochs
tune_xgb_1_04	5	10	4	0.04263	0.11053	0.1060		
tune_xgb_1_05	6	2	10	0.06982	0.54676	0.0190		
tune_xgb_1_10	6	39	2	0.00506	0.57713	0.0581		
rand_forest_res_1_07	4	22				0.19403		
nnet_res_1_01						0.47555	3	23
nnet_res_1_04						0.01240	2	168
nnet_res_1_05						0.22842	7	346
nnet_res_1_06						0.80694	4	598
nnet_res_1_09						4.80588	3	227