Litoria peronii (N = 61643 data points) day mean_min_temp mean_max_temp 22.0% 20.0% 15.0% 18.0% 15.0% 13.0% 14.0% sensitivity specificity 10.0% model mse auc 11.0% 10.0% RF 0.129 0.739 0.835 0.885 0.503 5.0% Calibrated RF 0.107 9.0% 0.885 0.503 0.698 0.854 200 300 20 40 60 10 20 30 40 100 mean_rainfall rain_3_days rain_10_days 14.80% Probability of calling 14.00% 13.00% 12.00% 14.40% 14.00% Predictor importance 14.00% 13.00% 13.60% day · 12.00% 100 200 0 100 200 300 400 500 200 400 600 800 mean_max_temp phase mean_vapour 14.60% 16.00% grid_Ing -14.40% 15.00% 14.20% 14.00% grid_lat -14.00% 13.00% 13.80% mean_min_temp -12.00% 13.60% 0.25 0.50 0.75 1.00 20 10 30 mean_vapour · Calibration model 1.00 rain_10_days · Calibrated prediction rain_3_days phase mean_rainfall number_of_samples -0.00 0.25 0.50 0.75 500 1000 1500 0.00 1.00 0 2000 RF prediction Predictor Importance (Gini Index)