## Litoria freycineti (N = 30916 data points) day mean\_min\_temp mean\_max\_temp 0.250% 0.175% 0.160% 0.200% 0.150% 0.140% 0.150% 0.125% sensitivity specificity model mse auc 0.120% 0.100% 0.100% -RF 0.126 0.077 0.999 0.763 0.116 0.100% 0.075% -Calibrated RF 0.004 0.763 0.103 0.077 0.998 0.050% 100 200 300 20 40 60 20 30 40 0 10 rain\_3\_days mean\_rainfall rain\_10\_days Probability of calling of 0.120% of 0.100% of 0.100% 0.1400% 0.1300% 0.1300% 0.1250% Predictor importance 0.1200% 0.1200% 0.1150% 0.1100% day 0.1100% 100 200 100 200 300 400 500 200 400 600 800 mean\_min\_temp phase mean\_vapour 0.180% 0.130% grid\_Ing -0.160% 0.120% 0.140% mean\_max\_temp · 0.110% 0.120% mean\_vapour -0.100% 0.100% 0.00 0.25 0.50 0.75 1.00 20 30 10 grid\_lat -Calibration model 1.00 mean\_rainfall -Calibrated prediction number\_of\_samples phase rain\_3\_days rain\_10\_days 0.00 0.25 0.50 0.75 7.5 2.5 5.0 0.00 1.00 0.0 10.0 RF prediction Predictor Importance (Gini Index)