Uperoleia tyleri (N = 5963 data points) day mean_min_temp mean_max_temp 1.300% 1.200% 1.300% 1.200% 1.150% 1.200% 1.100% 1.100% 1.000% 1.100% 1.050% sensitivity specificity model mse auc 0.900% 1.000% RF 0.893 0.469 0.108 0.462 0.981 1.000% 0.800% 0.950% Calibrated RF 0.462 0.893 0.469 0.034 0.981 40 200 300 0 10 20 30 40 50 20 30 100 10 mean_rainfall rain_3_days rain_10_days 1.250% 1.40% Probability of calling 1.140% of calling 1.080% 1.200% 1.20% 1.150% Predictor importance 1.100% 1.00% grid_lat 1.050% 1.050% 100 200 0 100 200 300 400 200 400 600 grid_lng phase mean_vapour 1.200% 1.150% day 1.100% 1.100% rain_10_days -1.050% 1.000% 1.000% mean_vapour -0.900% 0.00 0.25 0.50 0.75 10 20 1.00 mean_min_temp -Calibration model 1.00 mean_max_temp -Calibrated prediction phase rain_3_days · mean_rainfall number_of_samples -0.00 0.25 0.50 0.75 1.00 10 20 0.00 30 Predictor Importance (Gini Index) RF prediction