



Additional file 7. Number of malaria cases (*Plasmodium vivax* and *Plasmodium falciparum*) in all of Peru (solid line, triangle markers) versus Loreto department (dashed line, square markers) (RENACE 2014). Timing of PAMAFRO long lasting insecticidal net distribution (LLIN; red solid line) and El Niño event (blue solid line) shown (NWS; OAS 2011).