

S7 Table

I-ACT (Ifakara Ambient Chamber Test) results on mosquito mortality and blood feeding inhibition by net product and time point in months. Data from the I-ACT test were analysed by binary logistic regression and the Odds Ratio (OR) and 95% confidence interval (95% CI) of the Odds Ratio are shown with Olyset as the reference net; percentages of net products meeting optimal WHO bio efficacy criteria in the I-ACT by time point in months. 95% confidence intervals in parenthesis and compared with a χ^2 test. Numbers passing / numbers tested in square brackets [n/N]†.

Months	% (n/N) Mosquito Mortality			% (n/N) Mosquito Blood feeding Inhibition			% (CI) [n/N] Nets meeting WHO bio efficacy criteria		
	10	22	36	10	22	36	10	22	36
Olyset	87% (2355/2700)	69% (1895/2880)	70% (2009/2880)	99.7% (2691/2700)	98.1% (2826/2880)	93.1% (2682/2880)	100% (92,100) [49/49]	96% (86,99) [46/48]	88% (75,95) [42/48]
OR (95% CI)	1	1	1	1	1	1			
PermaNet	98% (2686/2730)	91% (2635/2880)	88% (2530/2880)	99.6% (2719/2730)	98.8% (2845/2880)	96.5% (2779/2880)	100% (93, 100) [48/48]	98% (89,100) [47/48]	96% (86,99) [46/48]
OR (95% CI)	6.4 (3.73-11.11)	4.09 (2.77-6.04)	2.16 (1.21-3.85)	1.50 (0.36-6.22)	1.01 (0.44-2.34)	1.88 (0.88-3.99)			
NetProtect	99% (2705/2730)	96% (2764/2880)	94.1% (2711/2880)	99.9% (2726/2730)	99.9% (2876/2880)	94.1% (2711/2880)	100% (92, 100) [47,47]	100% (92,100) [48/48]	92% (80,98) [44/48]
OR (95% CI)	14.7 (7.87-27.34)	12.82 (7.52-21.86)	3.43 (2.33-5.06)	1.87 (0.40-8.84)	12.70 (1.97-81.75)	0.94 (0.48-1.82)			
p-value*	<0.001	<0.001	<0.001	0.697	0.026	0.200	-	0.360	0.336

† WHO optimal insecticide effectiveness criteria of $\geq 80\%$ 24-hour mortality or $\geq 90\%$ blood feeding inhibition were used.

*p-value for the comparison between the three nets. The p-values for differences in mosquito mortality between PermaNet and NetProtect were 0.024, <0.001, and 0.143 at 10, 22 and 36 months, respectively.