

S8 Table

Number of nets, mean active ingredient (AI) content (g/kg), range (g/kg) and between net variation (%RSD), percentage of active ingredient lost over time, mean *R*-alpha isomer content (g/kg) and percentage of deltamethrin (only for PermaNet 2.0 and NetProtect), in net samples at baseline and three follow up time points.

LLIN	Test	Months after distribution			
		0	10	22	36
Olyset	Number	10	49	48	48
	AI content (mean)	20.3	16.2	14.8	13.0
	AI content (range)	20.0 – 20.9	8.4 – 19.3	7.5 – 20.0	3.3 – 19.8
	AI variation (RSD)	1%	13%	19%	33%
	AI lost	-	20%	27%	36%
PermaNet 2.0	Number	10	48	48	48
	AI content (mean)	1.45	0.75	0.47	0.40
	AI content (range)	1.36 – 1.68	0.03 – 1.83	< 0.01 – 1.51	< 0.01 – 1.55
	AI variation (RSD)	7%	58%	77%	106%
	AI lost	-	48%	68%	72%
	<i>R</i> -alpha content (mean)	0.02	< 0.01	< 0.01	< 0.01
	<i>R</i> -alpha (% of deltamethrin)	1.4%	< 1.3%	< 1.3%	< 1.3%
NetProtect	Number	10	47	48	48
	AI content (mean)	1.35	0.91	0.52	0.40
	AI content (range)	1.26 – 1.43	0.07 – 1.88	0.19 – 1.24	0.05 – 0.99
	AI variation (RSD)	4%	32%	42%	60%
	AI lost	-	33%	61%	70%
	<i>R</i> -alpha content (mean)	0.35	0.29	0.25	0.20
	<i>R</i> -alpha (% of deltamethrin)	26%	32%	48%	50%