

Supplemental Figure 1: Primers and probes designed using ProbeFinder software Version 2.45

**TNF**

Primer	Length	start	end	Tm	GC	Sequence
left	21	268	288	59	52	cagcctcttctcctcctgat
right	20	371	390	59	55	gccagaggctgattagaga

Amplicon 123 nt:

cagcctcttctcctcctgatcgtggcaggcgccaccacgctcttctgctgctgctcactttggagtgatcgccccagagggaagagttccccaggacctctctaatcagccctctggc

Universal ProbeLibrary probe #29 (cat. no. 04687612001)

**IFN- $\gamma$**

Primer	Length	start	end	Tm	GC	Sequence
left	22	268	289	59	36	ggcattttgagaattggaaag
right	21	359	379	59	43	ttggatgctctggctcatct

Amplicon 112 nt:

ggcattttgagaattggaaagaggagagtgacagaaaaataatgcagagccaaatgtctcctttacttcaaacttttaaaaaacttaagatgaccagagcatccaaa

Universal ProbeLibrary probe #21 (cat. no. 04686942001)

**IL-12**

Primer	Length	start	end	Tm	GC	Sequence
left	20	441	460	60	55	cactccaaaacctgctgag
right	22	507	528	59	45	tctctcagaagtcaaggta

Amplicon 88 nt:

Cactccaaaacctgctgagggccgctcagcaacatgctccagaaggccagacaaaactctagaattttacccttgactctgaagaga

Universal ProbeLibrary probe #50 (cat. no. 04688112001)

**IL-10**

Primer	Length	start	end	Tm	GC	Sequence
left	25	630	654	59	36	cataaattagaggtctccaaatcg
right	19	671	689	60	58	aagggctgggtcagctat

Amplicon 60 nt:

cataaattagaggtctccaaatcgatctgggctctgggatagctgaccagcccct

Universal ProbeLibrary probe #45 (cat. no. 04688058001)

**TGF- $\beta$**

Primer	Length	start	end	Tm	GC	Sequence
left	18	1377	1394	59	61	gcagcacgtggagctgta
right	18	1423	1440	60	61	cagccggttgctgaggtta

Amplicon 64 nt:

gcagcacgtggagctgtaccagaaatacagcaacaattcctggcgatacctcagcaaccggctg

Universal ProbeLibrary probe #72 (cat. no. 04688953001)

**IL-13**

Primer	Length	Position	Tm	GC	Sequence
Left	18	137 - 154	59	61	agccctcaggagctcat
Right	20	201 - 220	60	50	ctccataccatgctgccatt

Amplicon (84 nt)

Agccctcaggagctcattgaggagctgtcaacatcaccagaaccagaaggctcgtctgcaatggcagcatggtatggag

Universal ProbeLibrary probe #17 (cat. no. 04686900001)

**IL-4**

Primer	Length	Position	Tm	GC	Sequence
Left	20	14 - 533	59	55	caccgagttgaccgtaacag
Right	18	568 - 585	60	61	gccctgcagaaggttcc

Amplicon (72 nt)

Caccgagttgaccgtaacagacatctttgctgcctcaagaacacaactgagaaggaacctctgcagggc

Universal ProbeLibrary probe #16 (cat. no. 04686896001)

**IL-5**

Primer	Length	Position	Tm	GC	Sequence
Left	20	459 - 478	60	45	ggtttgtgcagccaaagat
Right	20	505 - 524	59	50	cttgccctcattctcact

Amplicon (66 nt)

Ggtttgtgcagccaaagatttggaggagaaggacattttactgcagtgagaatgaggccaaga

Universal ProbeLibrary probe #25 (cat. no. 04686993001)

Supplemental Figure 2:

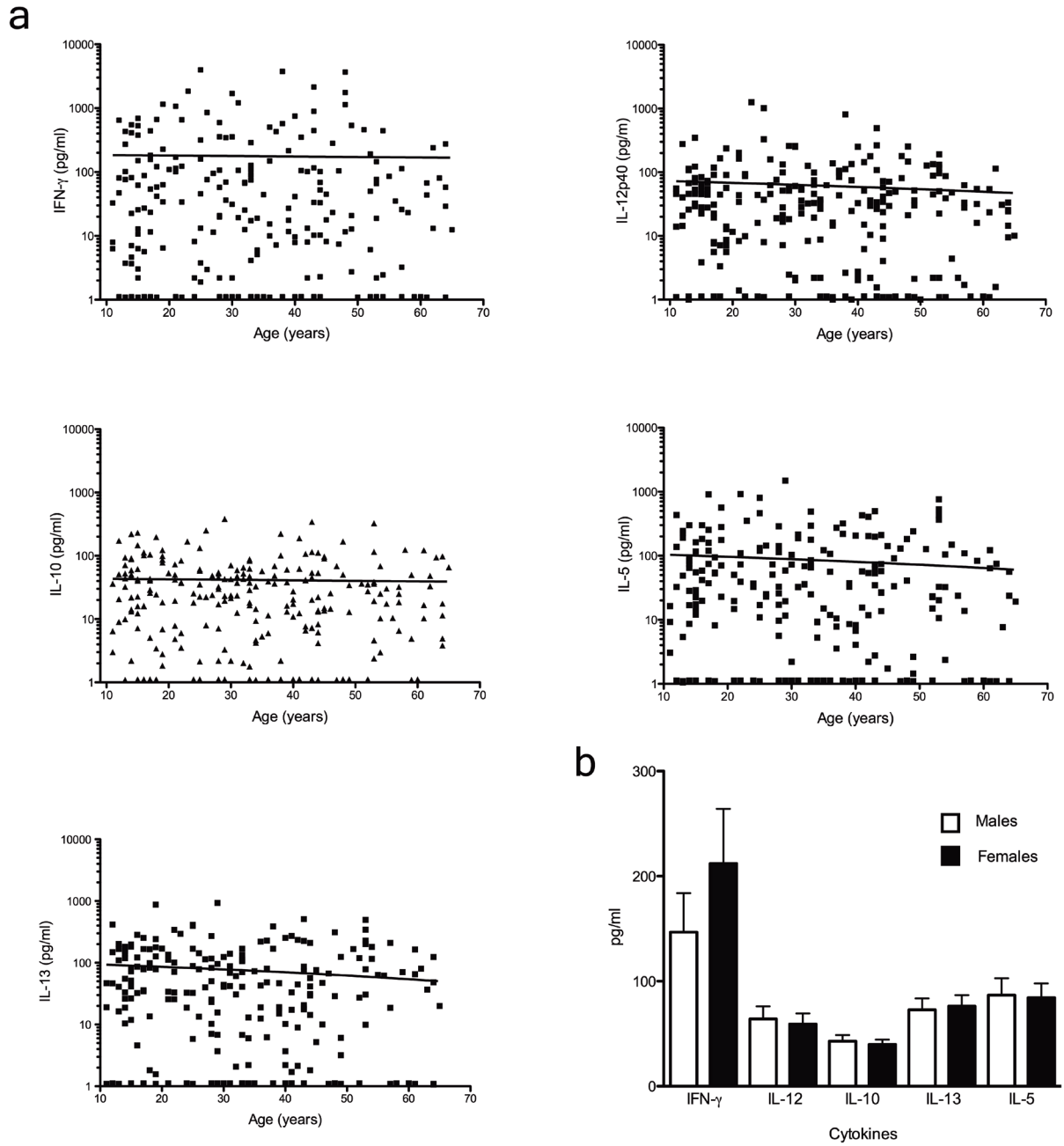


Figure S2. Correlation of cytokine levels produced by PBMCs stimulated with sand fly saliva with age (a) or gender (b) from human volunteers of a CL-endemic area in Mali.