

Table S1

Subject and household factors	Measure of association	
	*aOR(95% CI)	pvalue
<b><i>Seropositivity to YF, TOSV and RVF</i></b>		
Age group: ≤19 yo	<b>11,9 ( 1,4 - 100,5 )</b>	<b>0,0230</b>
Gender: women	6,1 ( 0,7 - 51,8 )	0,0980
Ethnic: Afar	<b>6,5 ( 1,3 - 33,1 )</b>	<b>0,0240</b>
Large family: 6 or more persons	5,3 ( 0,6 - 44,5 )	0,1270
<b><i>Seropositivity to TOSV and RVF</i></b>		
Gender: women	3,2 ( 0,7 - 15,5 )	0,1530
Age group: ≤19 yo	<b>7,7 ( 1,5 - 40,4 )</b>	<b>0,0160</b>
Residential District: 2	<b>4,8 ( 1,0 - 21,7 )</b>	<b>0,0430</b>
Large family: 6 or more persons	<b>6,9 ( 1,2 - 39,2 )</b>	<b>0,0280</b>
Ethnic: Afar	4,7 ( 0,9 - 23,6 )	0,0580
<b><i>Seropositivity to TOSV and YF</i></b>		
Gender: women	3,3 ( 0,7 - 16,1 )	0,1470
Ethnic: Afar	4,0 ( 0,8 - 19,1 )	0,0800
Large family: 6 or more persons	3,3 ( 0,7 - 16,3 )	0,1410
Age group: ≤19 yo	<b>6,4 ( 1,3 - 31,9 )</b>	<b>0,0240</b>
<b><i>Seropositivity to RVF and YF</i></b>		
Gender: women	2,7 ( 0,5 - 13,6 )	0,2310
Age group: ≤19 yo	4,5 ( 0,9 - 23,2 )	0,0710
SES level: Upper	3,5 ( 0,7 - 17,9 )	0,1330
Large family: 6 or more persons	6,4 ( 0,8 - 52,7 )	0,0840
Ethnic: Afar	3,9 ( 0,8 - 18,7 )	0,0880

\*adjusted odd ratio

NOTE: Factors with statistical significant association (at p<0.05) are **bolden**