

S4 Table. Pair-wise comparison matrixes of the Analytical Hierarchy Process (AHP) for risk factors associated with Rift Valley fever amplification.

Risk factor*	Sheep	Goat	Cattle	Markets	Roads	Rivers	Railways	Parks	Weight
Sheep	1	1	3	5	7	7	7	7	0.288
Goat		1	3	5	7	7	7	7	0.288
Cattle			1	5	7	7	7	7	0.203
Markets				1	3	3	3	3	0.080
Roads					1	1	1	3	0.042
Rivers						1	1	1	0.034
Railways							1	1	0.034
Parks								1	0.031

* Sheep: sheep density; Goat: goat density; Cattle: cattle density; Markets: proximity to ruminant's markets; Roads: density of roads; Rivers: proximity to rivers; Railways: density of railways; Parks: proximity to wildlife national parks. Vector index is not included in the pair-wise matrix as its weight is equal to 1 in Equation 2 (S1 File).