

Table S9. Details of mutations identified on Tp10 antigenic region.

Sample group	Tp10 gene mutation details								
	Coverage	Alt#	Alt# (F;R)	Reference	Mutation call	Reference Nucleotide position	Overall mutation score	Amino acid change	Function
Nakuru cattle	4732	2086	226;1860	TP04_0772	T>CT	851	28.50	p. L284PL	Missense
Mbarara cattle	36923	36114	2207;33907		delTCTinsCCG	829	36.10	p. S277P	Missense
Karamoja cattle	32183	31512	2447;29065		delTCTinsCCG	829	34.90	p. S277P	Missense
Non-clinical <i>T. parva</i> -positive cases	9772	299	38;261		A>AG	926	29.70	p. Q309QR	Missense
CD clinical cases	12230	2640	648;1992		C>CT	863	28.70	p. S288SL	Missense

NB: Detail on interpretation is provided in Table S1 and S3 footnotes.