

Table S8. Details of mutations identified on Tp8 antigenic epitope.

Sample group	9-mer Tp8 ₃₇₉₋₃₈₇ (CGAELNHFL) epitope mutation details								
	Coverage	Alt#	Alt# (F;R)	Reference	Mutation call	Reference nucleotide position	Overall mutation score	Epitope variants	Function
Nakuru cattle	34176	-	-	TP02_0140	None	-	-	CGAELNHFL	-
Mbarara cattle	43687	-	-		None	-	-	CGAELNHFL	-
Karamoja cattle	39679	-	-		None	-	-	CGAELNHFL	-
Non-clinical <i>T. parva</i> -positive cases	47627	-	-		None	-	-	CGAELNHFL	-
CD clinical cases	31782	-	-		None	-	-	CGAELNHFL	-

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