

Supplemental Table 1: FMD outbreaks within the South Africa FMD protection zone with vaccination (2007-2016)

Outbreak ID	Province	Duration (months)	Start of outbreak	End of outbreak	Dip-tanks affected (n)	Serotype (SAT <sup>a</sup> )	Total susceptible animals	Total cases	Proportion of affected animals
1	Mpumalanga	9	09/2009	05/2010	4	1	9505	757	0.08
2	Mpumalanga	8	12/2011	07/2012	2	2	5510	38	0.007
3	Mpumalanga	4	04/2012	07/2012	5	2	1750	16	0.009
4	Limpopo	6	07/2013	12/2013	1	1 <sup>b</sup>	1141	1	0.0008
5	Mpumalanga	19	08/2013	02/2015	12	2	42903	131	0.003
6	Limpopo	7	12/2015	06/2016	5	3	6060	55	0.009
					29		66869	998	0.015

<sup>a</sup> Southern African Territories.

<sup>b</sup> This outbreak affected other dip-tanks located in the FMD protection zone without vaccination (not part of the study area).