Pre-Inclar by   Pre-Inclar b																															
PR3 - CLADE B PR5 - CLADE B PR5 - CLADE B PR5 - CLADE B D. C2% D.		RPAS.	tes.ci	AUE S	d Sp. Left St. Theileti	A A Barainin	ancifes a penicilation of the state of the s	S Quare a Quarte	Separation of the separate of	hyuricula. T. brach	OF O	E CLADE	dibertica di	Lage Lage Lage Lage Lage Lage Lage Lage	wurich As a brachyric Thailarich	E SP. A. S.	da d	S. P. A.S. Theilerich	akogene di	Theileric	k worthings	pour en cul	STESTAL STESTAL SP. ONES	1626 h	Jeaner I.	Teres,	CLADE P.	chate A	Thollaik	School Sc	Charles Carlos C
Trelleria paparini (MCST8115) 0.2% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	TP13 - CLADE B																														
Thelieria pagarinii (MS768115) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	TP8 - CLADE B	0.2%																													
Thelieria pagarini (MS768115) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	Theileria sp.(EF554395)	0.2%	0.0%																												
Thelleria penicillata (DQ437687) 0.6% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4	Theileria paparinii (MG758115)	0.2%	0.0%	0.0%																											
20231b' - T. brachyuri CLADE   1.7%   1.4%	Theileria penicillata (DQ437687)	0.6%	0.4%	0.4%	0.4%																										
Continuing   Con	Theileria sp. K1 (JQ682879)	0.8%	0.6%	0.6%	0.6%	0.2%																									
Continuing   Con	Q2031b* - T. brachyuri CLADE	1.7%	1.4%	1.4%	1.4%	1.4%	1.2%																								
Page and P68* - T. gilberti CLADE	Q1340* - T. brachyuri CLADE	1.7%	1.4%	1.4%	1.4%	1.4%	1.2%	0.0%																							
Theileria gilberti (EF554394) 2,7% 2,4% 2,4% 2,4% 2,4% 2,4% 2,4% 2,4% 2,4	1051 - T. brachyuri CLADE	1.7%	1.4%	1.4%	1.4%	1.4%	1.2%	0.0%	0.0%																						
2031a - T. brachyuri CLADE 1.7% 1.4% 1.4% 1.4% 1.4% 1.4% 1.4% 1.4% 1.4	P92* and P68* - T. gilberti CLADE	2.5%	2.2%	2.2%	2.2%	2.2%	1.9%	0.6%	0.6%	0.6%																					
Theileria p. B61 (MG251437) 3.4% 3.0% 3.0% 3.0% 3.0% 3.0% 3.0% 3.0% 3.0	Theileria gilberti (EF554394)	2.7%	2.4%	2.4%	2.4%	2.4%	2.1%	0.7%	0.7%	0.7%	0.2%																				
Theileria sp. Bi6 (MG251437) 3.4% 3.0% 3.0% 3.0% 3.0% 3.0% 3.0% 3.0% 3.0	Q2031a - T. brachyuri CLADE	1.7%	1.4%	1.4%	1.4%	1.4%	1.2%	0.0%	0.0%	0.0%	0.6%	0.7%																			
Theileria sp. B60 (MG251439) 3.4% 3.0% 3.0% 3.0% 3.0% 3.0% 3.0% 3.0% 3.0	Theileria brachyuri (DQ437684)	1.4%	1.2%	1.2%	1.2%	1.7%	1.4%	0.2%	0.2%	0.2%	0.8%	1.0%	0.2%																		
Theileria sp. B43 (MG251438) 4.0% 3.6% 3.6% 3.6% 3.6% 3.6% 3.6% 3.6% 3.6	Theileria sp. B16 (MG251437)	3.4%	3.0%	3.0%	3.0%	3.0%	2.7%	3.8%	3.8%	3.8%	4.7%	4.9%	3.8%	4.2%																	
Theileria apogeana (MG758116) 3.4% 3.0% 3.0% 3.0% 3.0% 3.0% 3.0% 3.0% 3.0	Theileria sp. B60 (MG251439)	3.4%	3.0%	3.0%	3.0%	3.0%	2.7%	3.8%	3.8%	3.8%	4.7%	4.9%	3.8%	4.2%	0.0%																
202031b - CLADE E 4.6% 4.2% 4.2% 4.2% 5.1% 5.6% 5.4% 5.4% 5.4% 5.4% 4.8% 5.4% 4.9% 7.9% 7.9% 7.9% 6.7% 4.1%	Theileria sp. B43 (MG251438)	4.0%	3.6%	3.6%	3.6%	3.6%	3.2%	3.6%	3.6%	3.6%	4.7%	4.9%	3.6%	4.0%	1.4%	1.4%															
Theileria worthingtonorum (MG758114) 5.5% 5.7% 5.7% 5.8% 5.5% 5.5% 5.5% 5.5% 5.5% 5.5% 5.5	Theileria apogeana (MG758116)	3.4%	3.0%	3.0%	3.0%	3.7%	3.4%	4.1%	4.1%	4.1%	4.3%	4.6%	4.1%	3.7%	5.9%	5.9%	5.0%														
P92 and P68 - CLADE D 4.9% 4.4% 4.4% 4.4% 5.3% 5.8% 5.5% 5.5% 5.5% 4.9% 5.1% 5.5% 5.0% 8.0% 8.0% 8.0% 6.9% 4.0% 0.9% 0.4%  Theileria sp. (MF576261) 6.8% 6.3% 6.3% 6.3% 7.3% 7.9% 7.9% 7.9% 7.9% 7.9% 7.3% 7.6% 7.9% 7.3% 10.0% 10.0% 10.8% 7.9% 4.2% 2.3% 2.8%  Theileria sp. (MF136488) 6.3% 5.8% 5.8% 5.8% 5.8% 6.3% 4.8% 4.8% 4.8% 4.8% 4.8% 4.8% 4.8% 5.3% 5.5% 5.5% 5.5% 5.2% 9.0% 6.1% 6.6% 5.9% 8.2%  Theileria palmeri (MG758113) 10.4% 9.6% 9.6% 9.6% 8.3% 8.9% 8.2% 8.2% 7.1% 7.4% 8.2% 8.8% 10.0% 10.0% 10.8% 12.0% 7.1% 7.2% 8.0% 6.0% 7.4%  TB111 - CLADE A 8.3% 7.8% 7.8% 7.8% 7.8% 6.8% 6.4% 5.8% 5.8% 5.8% 5.8% 5.8% 5.8% 5.5% 5.7% 5.8% 6.3% 9.0% 9.0% 9.0% 9.3% 9.3% 8.0% 8.1% 8.3% 7.6% 6.7% 7.3% 1.0% 10.0% 10.8% 1.0% 10.0	Q2031b - CLADE E	4.6%	4.2%	4.2%	4.2%	5.1%	5.6%	5.4%	5.4%	5.4%	4.6%	4.8%	5.4%	4.9%	7.9%	7.9%	6.7%	4.1%													
Theileria sp. (MF136488) 6.3% 6.3% 6.3% 6.3% 7.3% 7.9% 7.9% 7.9% 7.9% 7.9% 7.9% 7.9% 7.9	Theileria worthingtonorum (MG758114)	5.5%	5.1%	5.1%	5.1%	6.0%	6.5%	6.2%	6.2%	6.2%	5.3%	5.5%	6.2%	5.7%	7.2%	7.2%	6.6%	4.6%	1.4%												
Theileria sp. (MF136488) 6.3% 5.8% 5.8% 5.8% 5.8% 5.8% 4.8% 4.8% 4.8% 4.8% 4.8% 4.8% 5.3% 5.5% 5.5% 5.2% 9.0% 6.1% 6.6% 5.9% 8.2%  Theileria palmeri (MG758113) 10.4% 9.6% 9.6% 9.6% 8.3% 8.9% 8.2% 8.2% 8.2% 7.1% 7.4% 8.2% 8.8% 10.0% 10.0% 10.0% 10.8% 12.0% 7.1% 7.2% 8.0% 6.0% 7.4%  TB111 - CLADE A 8.3% 7.8% 7.8% 7.8% 6.8% 6.4% 5.8% 5.8% 5.8% 5.8% 5.5% 5.7% 5.8% 6.3% 9.0% 9.0% 9.0% 9.3% 8.0% 8.1% 8.3% 7.6% 6.7% 7.3%  TB105 - CLADE A 8.3% 7.8% 7.8% 7.8% 6.8% 6.4% 5.9% 5.9% 5.9% 5.9% 5.9% 5.9% 6.1% 5.9% 6.3% 9.0% 9.0% 9.0% 9.3% 9.0% 9.0% 9.3% 8.0% 8.1% 8.3% 7.6% 6.7% 7.3% 0.0%  Theileria sp. (MF136494) 5.9% 5.4% 5.4% 5.4% 5.4% 5.4% 5.0% 3.4% 3.4% 3.4% 3.6% 3.9% 3.4% 3.7% 6.1% 6.1% 6.5% 7.8% 7.9% 9.6% 8.7% 12.4% 4.8% 9.9% 7.8% 7.8% 8.3%  Theileria fuliginosa (DQ437686) 9.0% 8.5% 8.5% 8.5% 9.6% 10.2% 10.2% 10.2% 10.2% 10.2% 9.6% 9.9% 10.2% 9.5% 12.6% 13.5% 10.2% 6.0% 4.2% 4.8% 1.5% 10.6% 8.1% 10.0% 10.0% 10.0% 10.4% 15.3%	P92 and P68 - CLADE D	4.9%	4.4%	4.4%	4.4%	5.3%	5.8%	5.5%	5.5%	5.5%	4.9%	5.1%	5.5%	5.0%	8.0%	8.0%	6.9%	4.0%	0.9%	0.4%											
Theileria palmeri (MG758113) 10.4% 9.6% 9.6% 9.6% 8.3% 8.9% 8.2% 8.2% 8.2% 8.2% 7.1% 7.4% 8.2% 8.8% 10.0% 10.0% 10.0% 10.0% 10.0% 10.0% 7.1% 7.2% 8.0% 6.0% 7.4%	Theileria sp. (MF576261)	6.8%	6.3%	6.3%	6.3%	7.3%	7.9%	7.9%	7.9%	7.9%	7.3%	7.6%	7.9%	7.3%	10.0%	10.0%	10.8%	7.9%	4.2%	2.3%	2.8%										
TB111 - CLADE A 8.3% 7.8% 7.8% 7.8% 6.8% 6.4% 5.8% 5.8% 5.8% 5.8% 5.8% 5.8% 5.8% 5.8	Theileria sp. (MF136488)	6.3%	5.8%	5.8%	5.8%	5.8%	6.3%	4.8%	4.8%	4.8%	4.2%	4.4%	4.8%	5.3%	5.5%	5.5%	5.2%	9.0%	6.1%	6.6%	5.9%	8.2%									
TB105 - CLADE A 8.3% 7.8% 7.8% 7.8% 6.8% 6.4% 5.8% 5.8% 5.8% 5.8% 5.8% 5.8% 5.8% 5.8	Theileria palmeri (MG758113)	10.4%	9.6%	9.6%	9.6%	8.3%	8.9%	8.2%	8.2%	8.2%	7.1%	7.4%	8.2%	8.8%	10.0%	10.0%	10.8%	12.0%	7.1%	7.2%	8.0%	6.0%	7.4%								
Q2377 - CLADE A         8.3%         7.8%         7.8%         7.8%         6.9%         6.4%         5.9%         5.9%         5.9%         5.9%         6.1%         5.9%         6.3%         9.0%         9.0%         9.3%         9.9%         8.6%         8.7%         8.9%         8.0%         7.2%         7.8%         0.4%	TB111 - CLADE A	8.3%	7.8%	7.8%	7.8%	6.8%	6.4%	5.8%	5.8%	5.8%	5.5%	5.7%	5.8%	6.3%	9.0%	9.0%	9.3%	9.3%	8.0%	8.1%	8.3%	7.6%	6.7%	7.3%							
Theileria sp. (MF136494) 5.9% 5.4% 5.4% 5.4% 5.4% 5.4% 5.4% 5.4% 5.4	TB105 - CLADE A	8.3%	7.8%	7.8%	7.8%	6.8%	6.4%	5.8%	5.8%	5.8%	5.5%	5.7%	5.8%	6.3%	9.0%	9.0%	9.3%	9.3%	8.0%	8.1%	8.3%	7.6%	6.7%	7.3%	0.0%						
Theileria fuliginosa (DQ437686) 9.0% 8.5% 8.5% 8.5% 9.6% 10.2% 10.2% 10.2% 10.2% 9.6% 9.9% 10.2% 9.5% 12.6% 12.6% 13.5% 10.2% 6.0% 4.2% 4.8% 1.5% 10.6% 8.1% 10.0% 10.0% 10.0% 10.4% 15.3%	Q2377 - CLADE A	8.3%	7.8%	7.8%	7.8%	6.9%	6.4%	5.9%	5.9%	5.9%	5.9%	6.1%	5.9%	6.3%	9.0%	9.0%	9.3%	9.9%	8.6%	8.7%	8.9%	8.0%	7.2%	7.8%	0.4%	0.4%					
	Theileria sp. (MF136494)	5.9%	5.4%	5.4%	5.4%	5.4%	5.0%	3.4%	3.4%	3.4%	3.6%	3.9%	3.4%	3.7%	6.1%	6.1%	6.5%	7.8%	7.9%	9.6%	8.7%	12.4%	4.8%	9.9%	7.8%	7.8%	8.3%				
Theileria sp. (MF136493) 14.0%   13.1%   13.1%   13.1%   13.1%   11.5%   10.8%   11.2%   11.2%   11.2%   11.2%   11.2%   11.9%   10.6%   10.6%   10.6%   10.6%   12.6%   17.5%   14.6%   15.6%   18.6%   10.4%   12.3%   12.1%   12.1%   12.9%   10.0%   21.4%   12.9%   10.0%   12.6%	Theileria fuliginosa (DQ437686)	9.0%	8.5%	8.5%	8.5%	9.6%	10.2%	10.2%	10.2%	10.2%	9.6%	9.9%	10.2%	9.5%	12.6%	12.6%	13.5%	10.2%	6.0%	4.2%	4.8%	1.5%	10.6%	8.1%	10.0%	10.0%	10.4%	15.3%			
	Theileria sp. (MF136493)	14.0%	13.1%	13.1%	13.1%	11.5%	10.8%	11.2%	11.2%	11.2%	9.8%	10.1%	11.2%	11.9%	10.6%	10.6%	10.2%	12.6%	17.5%	14.6%	15.6%	18.6%	10.4%	12.3%	12.1%	12.1%	12.9%	10.0%	21.4%		