sbp2t9 Nucleotide Alignment in Texas and Australian Babesia bovis strains

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                                        20                                        40                                        60                                        80                                       100
sbp2t9 Tx                   ATGGAACTAGCAAGGCGTAACAACGGCTTCCGCAAGGTTGCCAAGTGGATTGCTGGTGCCCTTGTTGTGGCAGGTGCTGCCAGCGGAAATGTCCTATGTG
sbp2t9 T and Dixie strain   ATGGAAGTAGCAAGGCGTAACAACGGCTTCCGCAAGGTTGCCAAGTGGATTGTTGGTGCCCTTGTTGTGGCGAGTGCTAGCAGTGGCATTGTCCAAGGTG
                            ATGGAASTAGCAAGGCGTAACAACGGCTTCCGCAAGGTTGCCAAGTGGATTGYTGGTGCCCTTGTTGTGGCRRGTGCTRSCAGYGGMAWTGTCCWAKGTG

                                       120                                       140                                       160                                       180                                       200
sbp2t9 Tx                   ATGAGGTTTCGGAACCACAGGAGGCTGAAG---------TGAAGTCTGAGATTAATGTGAATGGAGAGGATAAGGCGATGAGTAATATTGAGGAACGATGA
sbp2t9 T and Dixie strain   GTCGTCCTTCGAAACCAAAACAGGCCGAAGCTAATGAGGTTAAGTCTAAAATTAATGTGATTGAAGAAAAAAGGAGATGCCTAAAATTGGGGACGATGA
                            RTSRKSYTTCGRAACCAMARSAGGCYGAAGCTAATGAGGTKAAGTCTRARATTAATGTGAWTGRAGARRAWAAGGMGATGMSTAAWATTGRGRACGATGA

                                       220                                       240                                       260                                       280                                       300
sbp2t9 Tx                   TTTTGAAGCAATTATAGGCAGACTTCCACACGACCCTGCTGCAGTGGCCATTGTGAACTCAAGGGGCAAGTCCTTTACAAACCAAGACATTTACGGATTG
sbp2t9 T and Dixie strain   GTTTCAAGCAGTTATAGGCAGACTTCCACATGACCCCGCTGCAGTGGCGGTTGTGAACTCAAGAGGCAAGTCTTTTACAAACCAAGACATTTACGGATTG
                            KTTTSAAGCARTTATAGGCAGACTTCCACAYGACCCYGCTGCAGTGGCSRTTGTGAACTCAAGRGGCAAGTCYTTTACAAACCAAGACATTTACGGATTG

                                       320                                       340                                       360                                       380                                       400
sbp2t9 Tx                   ATCGATCACGATATACGCCTAGGTTTATTGTCCATAACGTTGACTGAAGAAGAGATACCAAGCGTCCGGGAAGGTATAGTAGAGTTAAGAAGACAGAAAT
sbp2t9 T and Dixie strain   ATAGATCATAATCTCTACGTTGGCTTTATTGTGGAAAAAGATACCTGATGAAAATAAACCAGAAATCCGGGAACGTATAGTAGAGTTAAGAAGAAAGAATT
                            ATMGATCAYRATMTMYRCSTWGGYTTWWTGTSSAWAAMGWTRMCTGAWGAARAKAWACCARRMRTCCGGGAASGTATAGTAGAGTTAAGAAGAMAGAAWT

                                       420                                       440                                       460                                       480                                       500
sbp2t9 Tx                   TATTGGACGCCATATCCTTTTTCGATCAGCTACTATCAGAACTACCTGCTGAACTCGCCCAAGAAGCATCAAAGTACAGCTACCTTAGTGAACTACCTGA
sbp2t9 T and Dixie strain   TGTTGGACGAGATATCCTATTTCGACCAGCTACTATCAGAACTACCTGCTGATCTCGCCCAAGAAGCATCAAAATACAGTTACCTTAGTGAACTACCTGA
                            TRTTGGACGMSATATCCTWTTTCGAYCAGCTACTATCAGAACTACCTGCTGAWCTCGCCCAAGAAGCATCAAARTACAGYTACCTTAGTGAACTACCTGA

                                       520                                       540                                       560                                       580                                       600
sbp2t9 Tx                   AGACCTAGCTAGTGCTCTTGACAAGTATGTCAAGGCTCTAACGATAGAATCGAAAAGAGCAAGACAAAATACGGGAGGCAGAATGAAAAAAATGGTA
sbp2t9 T and Dixie strain   AGACCTAGCCGATGCTCTTGAGGACTATGTAAAGGCTCTTAACGATAGAATCGAAGCAGAACAAGACAAAATAAGGGAGAAAACAAATAAAGAATTGG--
                            AGACCTAGCYRRTGCTCTTGASRASTATGTMAAGGCTCTWAACGATAGAATCGAARMAGARCAAGACAAAATAMGGGAGRMARMAAWKAAARAAWTGGTA

                                       620                                       640                                       660                                       680                                       700
sbp2t9 Tx                   GCTAAATGGCGAAAACAAAGAGGAAGAGTAGACGAAGATGATGAATACGACGAAGAAGATGAAGAGGAGGACGAAGATGATCAACCCATAAAGAGCAAGA
sbp2t9 T and Dixie strain   ATGAAATGA--GAAACAAAGACTTAAAG-----GAAGCT--CCAA-AGGAACAAGGAGATCAAAAGGAACAAGTAGAT-------CCA-AAGGAACAAGG
                            RYKAAATGRCGRAAACAAAGASKWARAGTAGACGAAGMTGAYSAATASGAMSAAGRAGATSAARAGGARSAMGWAGATGATCAACCCATAARGARCAAGR

                                       720                                       740                                       760                                       780                                       800
sbp2t9 Tx                   TCAGTGCAAAGAAAACAAGAAGATCACAGCAAGAGGAGGAAGAAGAGGACGAAGATGATCAACCCATAAAGAGCAAGATCAGTGCAAAGGACCAGAATCC
sbp2t9 T and Dixie strain   --AGATCAAAAGGAACAAGTAGATC--------CGAAGGAACAAGTAGA---------TCAA-----AAGGAACAAG-TAGATCCAAAGGAACAAG----
                            TCAGWKCAAARRRAACAAGWAGATCACAGCAAGMGRAGGAASAAGWRGACGAAGATGATCAACCCATAARGARCAAGATMRRTSCAAAGGAMCARRATCC

                                       820                                       840                                       860                                       880                                       900
sbp2t9 Tx                   ATCAGAAAACAACCATTTGAAAGGAAAAGCGCCAGAAAACGAAGATAAAAAGCCAAATCCAAGCCATGGTACAAATTTTGGTAA
sbp2t9 T and Dixie strain   ----GAGAGCA-------GAACAAAAAA---------AGCAAGTCTAAAAA---AGGATTAAGGAAATGA----------------
                            ATCAGARARCAACCATTTGAAMRRAAAAGCGCCAGAAARCRARKMTAAAAAGCCARRATYMARGMMATGRTACAAATTTTGGTAA
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