

Supplemental Figure 1. Alignment of IA1/IA2 Fragment of AUS μ var (AUS_NSW_IA1_IA2) and the FRA μ var (FRA_Marenes_Olrean_IA1_IA2) using Clustal Omega (1.2.4) multiple sequence alignment tool.

AUS_NSW_IA1_IA2	ATTTGAAACGCTAATGACTCTGATGCCCTTTTCGAATAGATCGCTATTGTCGTATTTTGAA	60
FRA_Marenes_Olrean_IA1_IA2	ATTTGAAACGCTAATGACTCTGATGCCCTTTTCGAATAGATCGCTATTGTCGTATTTTGAA *****	60
AUS_NSW_IA1_IA2	GCGAAGAGTCTATAGACTGCATCTATATCACTTTTATATTTCAACTTGTCTGGGTCTGGT	120
FRA_Marenes_Olrean_IA1_IA2	GCAAAGAGTCTATAGACTGCATCTATATCACTTTTATATTTCAACTTGTCTGGGTCTGGT ** *****	120
AUS_NSW_IA1_IA2	ATCCTCAGTGTGAATCCATATTCCGGTTGTACTTCTATATTGCAGACACCCGTTGTAAGA	180
FRA_Marenes_Olrean_IA1_IA2	ATCCTCAGTGTGAATCCATATTCCGGTTGTACTTCTATATTGCAGACACCCGTTGTAAGA *****	180
AUS_NSW_IA1_IA2	TCCCTACCAACTCATTAGGTTATGTAGATCTTTTATTGTTGCTTTCTTGTTCGAGGAAA	240
FRA_Marenes_Olrean_IA1_IA2	TCCCTACCAACTCATTAGGTTATGTAGATCTTTTATTGTTGCTTTCTTGTTCGAGGAAA *****	240
AUS_NSW_IA1_IA2	ATAACCTTGATCGTTTCTTGCTCATCGTATTCATTATACGTAACCTTTTACCATTCTATGT	300
FRA_Marenes_Olrean_IA1_IA2	ATAACCTTGATCGTTTCTTGCTCATCGTATTCATTATACGTAACCTTTTACCATTCTATGT *****	300
AUS_NSW_IA1_IA2	TCCCTGTTAACATCAATTGGTTGATCATCACCCCTGAGATAAACTACCGATTTATCACCT	360
FRA_Marenes_Olrean_IA1_IA2	TCCCTGTTAACATCAATTGGTTGATCATCACCCCTGAGATAAACTACCGATTTATCACCT *****	360
AUS_NSW_IA1_IA2	TTGCTGTTTATTTCTATTGGCGGCAGGGAAGAGCCTACCATTGGCAAAGGGCCGTCGTAG	420
FRA_Marenes_Olrean_IA1_IA2	TTGCTGTTTATTTCTATTGGCGGCAGGGAAGAGCCTACCATTGGCAAAGGGCCGTCGTAG *****	420
AUS_NSW_IA1_IA2	ACTGCACGTTTGGTAGATCGGGGAATGAACAAATTAGACATTGCCGTTGATATTTTTTGT	480
FRA_Marenes_Olrean_IA1_IA2	ACTGCACGTTTGGTAGATCGGGGAATGAACAAATTAGACATTGCCGTTGATATTTTTTGT *****	480
AUS_NSW_IA1_IA2	AATCTTGTTGTTAAAACACTTCCGGATTTGAAGATATATAAAAGCTTTACAAAAATATA	540
FRA_Marenes_Olrean_IA1_IA2	AATCTTGTTGTTAAAACACTTCCGGATTTGAAGATATATAAAAGCTTTACAAAAATATA *****	540
AUS_NSW_IA1_IA2	AACCAAATCAGATAGCAAATTATTCTA	567
FRA_Marenes_Olrean_IA1_IA2	AACCAAATCAGATAGCAAATTATTCTA *****	567

Supplemental Figure 2. Alignment of C2C/C6 Fragment of AUS μ var (AUS_NSW_C2_C6) and the FRA μ var (FRA_Marennes_Olreion_C2_C6) using Clustal Omega (1.2.4) multiple sequence alignment tool.

AUS_NSW_C2_C6	AATGTGGTAAAGACGGAACAATCTTTTTCTAGGATATGGAGCTGCGGCGCTATGGATTTA	60
FRA_Marennes_Olreion_C2_C6	AATGTGGTAAAGACGGAACAATCTTTTTCTAGGATATGGAGCTGCGGCGCTATGGATTTA *****	60
AUS_NSW_C2_C6	ACGAGTGCCACCAAAGTTGGGATAATGATTTTAGAATAGATGTGATGTGCGGCAAGATG	120
FRA_Marennes_Olreion_C2_C6	ACGAGTGCCACCAAAGTTGGGATAATGATTTTAGAATAGATGTGATGTGCGGCAAGATG *****	120
AUS_NSW_C2_C6	AATGGCAAGATACACAATGAGCTATTACCCGACCACAAACCTAACGTTGTATTCGATTAC	180
FRA_Marennes_Olreion_C2_C6	AATGGCAAGATACACAATGAGCTATTACCCGACCACAAACCTAACGTTGTATTCGATTAC *****	180
AUS_NSW_C2_C6	GGATTAAGAAAATGGGTTCACAATCTAAAATTA AAAACCCACATGGGGGCAAGGAATT	240
FRA_Marennes_Olreion_C2_C6	GGATTAAGAAAATGGGTTCACAATCTAAAATTA AAAACCCACATGGGGGCAAGGAATT *****	240
AUS_NSW_C2_C6	TAAAGCCCCGGGGAAAAAAGTATAAATAGGCGCGATTTGTCAGTTTAGAATCATACCAC	300
FRA_Marennes_Olreion_C2_C6	TAAAGCCCCGGGGAAAAAAGTATAAATAGGCGCGATTTGTCAGTTTAGAATCATACCAC *****	300
AUS_NSW_C2_C6	ACTCAATCTCGAGTATACCACAACCTGCTAAATTAACAGCATCTACTACTACTGAAAA	360
FRA_Marennes_Olreion_C2_C6	ACTCAATCTCGAGTATACCACAACCTGCTAAATTAACAGCATCTACTACTACTGAAAA *****	360
AUS_NSW_C2_C6	ATGCAGCCTTTCACAGAATTTTGCACCTTGACCAAAGCCATCACATCAGCCAGCAACGAC	420
FRA_Marennes_Olreion_C2_C6	ATGCAGCCTTTCACAGAATTTTGCACCTTGACCAAAGCCATCACATCAGCCAGCAACGAC *****	420
AUS_NSW_C2_C6	TTTTTTCATCAACCAGACGAGGTTAACATGCGACATTTGTAAAGAGCTCGTCTCTTTTCGAT	480
FRA_Marennes_Olreion_C2_C6	TTTTTTCATCAACCAGACGAGGTTAACATGCGACATTTGTAAAGAGCTCGTCTCTTTCAAT ***** **	480
AUS_NSW_C2_C6	TGCGAAAATAAAGTCGTGGCATCATTGGCTGCAGTCAGATCTGACATACCCATAGAAGTC	540
FRA_Marennes_Olreion_C2_C6	TGCAAAGATAAAGTCGTGGCATCATTGGCTGCAGTCAGATCTGACATACCCATAGAAGTC *** ** *****	540
AUS_NSW_C2_C6	ACGGAACGCAAAGACCTGAACCTCCTCGACCTGATCCAGTTCCTTCGAAAAGAAGATAGAG	600
FRA_Marennes_Olreion_C2_C6	ACGGAACGCAAAGACCTGAACCTCCTCGACCTGATCCAGTTCCTTCGAAAAGAAGATAGAG *****	600
AUS_NSW_C2_C6	TTTACCACTCTCATTGACGAATTGTTCACTGCCACAAAGACCATTGTCAG	651
FRA_Marennes_Olreion_C2_C6	TTTACCACTCTCATTGACGAATTGTTCACTGCCACAAAGACCATTGTCAG *****	651