

Table S7: KoRV flanking sequences common to two or more koalas

Sequence	Total	Pci-SN265	Pci-QM1648	Pci-0	Pci-582119	Pci-MCZ12454	Pci-MCZ8574	Pci-um3435	Pci-maex1738	Pci-G (1/16)	Pci-SN404(W)	Pci-SN24	Pci-SN34	Pci-8	Pci-5	Pci-157	Pci-106	Pci-182	
' flanking sequences																			
PCI -5'Flank-1	5'-GAAGGAAGGAAGGAAGGAAGGAAGGAA-3'	5		+			+				+								
PCI -5'Flank-2	5'-GTTCCCTGTCTTACAAACTGYAAAAGAAAGAAAACGAGGAA-3'	3	+	+					+										
PCI -5'Flank-3	5'-CTGCAAAAGAAAGAAAATGGGGAA-3'	2							+		+								
PCI -5'Flank-4	5'-AAGAAAAGAAGAAAAGAAAAGAAAAGAAAATGGGGAA-3'	2					+		+										
PCI -5'Flank-5	5'-ATTCAAGAAGAAAATGGGGAA-3'	2							+										
PCI -5'Flank-6	5'-AGCAATGMARGARAKASAAGAAAATGGGGAA-3'	2							+		+								
PCI -5'Flank-7	5'-AGAAGGAATGAGAGTCSCMTGKAGCAAAGAAAATGGGGAA-3'	2		+						+									
PCI -5'Flank-8	5'-GAGTTGAGAAGGAAATGGGGAA-3'	2					+		+										
PCI -5'Flank-9	5'-AGACAGGATTGGGGGAATGAACAGATGGGGRRCCAAGAAAATGGGGAA-3'	2			+						+								
PCI -5'Flank-10	5'-TGCTCTCCGATCTACCTTCCAATTATACATGTGRAGATTCAAAAGAAAATGGGGAA-	3	+	+							+								
PCI -5'Flank-11	5'-AGTAACTCAGCAGGCAATTAAAGGAAATAGAGGAGCAGTCTTCAGCAAGAA-	3	+							+	+								
PCI -5'Flank-12	5'-ACGATCCATTGGGTTTCTTGCAGCAAGAT-3'	3	+	+			+												
PCI -5'Flank-13	5'-GTCAAAAGAGAAAATAGATAAATGGGGAA-3'	2						+		+									
PCI -5'Flank-14	5'-AGGAAAGGATCCATGTGAGCAAAGAACCTCGGAA-3'	2				+					+								
PCI -5'Flank-15	5'-GCTGTTGAGACGGGATACTAGTCATTGTTGGAGCTATGAATCAGTACAAC-3'	2	+		+														
PCI -5'Flank-16	5'-ACAAAACCCCTTGGGCCCCGTATGACTCAGAACAAATGTAATAGGAATTGTT-3'	2	+		+														
PCI -5'Flank-17	5'-TACATTATTATAAGCTGTCACTATTGCACTCATGATGCTATATATAACTATCAATCTGG/-	3	+			+	+												
PCI -5'Flank-18	5'-TTGTTCAAGCTGGATTAGCTGCTCTCGATCTRTGGGGAA-3'	2				+						+							
PCI -5'Flank-19	5'-AAATATGAGTCAGTCCCAGGGCTTGGAGAGCTCAAAGGAGTTTGAGG-3'	2	+	+															
PCI -5'Flank-20	5'-TTATCCAAAAGGGAGCCTGGAAAGATATCCCAACCTTGTAAATCAGGACTTGTCTCCA	2	+		+														
PCI -5'Flank-21	5'-CAGAAACCTTATTGTAAAAATTCACTTTCTCATGGATGAAACAAAGCTCTCTGACAC-	2	+		+														
PCI -5'Flank-22	5'-TGGACAGGAAATTTCAGCCTTACAATTAAAACGCCAAATCTACCCAGAACAGAA-	2	+		+														
PCI -5'Flank-23	5'-TTGTTTATTAGTAGGACAGTCAAGTCATAAAAGGGTGCAGC-3'	2	+								+								
PCI -5'Flank-24	5'-AGTAACCTAGATACTAACCCCTTGTATTAT-3'	4	+		+			+						+					
PCI -5'Flank-25	5'-CTCGTAACAGTGTATCATCTAGTCAGCATATATCTCCAGTTGGCTTGTCTG/-	2			+														
PCI -5'Flank-26	5'-ATTCTAGAAATACCTGGCTTCTCTCAAGGAAAGGCCCCCTCTTCTTCTACATGAAGT-3'	3	+	+	+														
PCI -5'Flank-27	5'-CTTCAGCTGGTAGCTGGATTGGAGATTAACTGAGAAGGGTGTAGTCAGTAAAGGT-3	3	+																
PCI -5'Flank-28	5'-ACATGGCTTCTTCTTCTAGGGGTCAGATGCCATCCCATACACCCACTGCAACACCT/-	2	+		+														
PCI -5'Flank-29	5'-TTGATCTGAGGCTCTCTGACTTCAGGGCTGGGCTTATCCACTGCACCACTGGTGC	2	+		+														
PCI -5'Flank-30	5'-CCCCATCCTCTCTCTGGCTTGCCTAGTCAGCTTCAAACACTCTAGTAGAGTC	2	+		+														
PCI -5'Flank-31	5'-ACATGAGAGCAGCTGTTGAACTCTGGTTCTGGTTCTTTCAGCTTCAGTGCAGGAA-3'	2				+													
PCI -5'Flank-32	5'-CTAATATGACAAGAAAAGAAAATGGGGAA-3'	2				+						+							
' flanking sequences																			
PCI -3'Flank-1	5'-TGTGAACCTGTAGCAAATCACTTAACCCATTGCCAGCCAAAAAAAAGCAAACAAAAA-	4	+	+	+						+								
PCI -3'Flank-2	5'-GTTGTAACAGTGTCTGACTCATTCTCATACTTACCTTACCAATTACCCATTGGCGGGCTCGTAC	2	+				+												
PCI -3'Flank-3	5'-AGACCATAACAGAGGGGAGTTCAGGGAAACAAGAACAGAGTGGGGTCTGGGGTG-	5	+	+					+	+									
PCI -3'Flank-4	5'-CTATATTCAAAAGATCTTATTTCAACAACTGTATACATCTCACAGAAATCAATGT-	3	+	+	+														
PCI -3'Flank-5	5'-TCADATHGWTTCTTACTACTGTGTTCTGCGCTCAGGATTCTCTTCAACAGGGC-3	2	+																
PCI -3'Flank-6	5'-CTGAGAAAGGTGGAGCTAAGCAGTATGTAGTTCTCTTCTAGCAGTGAAGAAA-3'	2	+				+												
PCI -3'Flank-7	5'-TTTCATTACTCAGATTCTAGTTCTTCTATTCTGTAATCATTGTGCAATTTCCT-3'	2	+																
PCI -3'Flank-8	5'-AGACCAAACACTTGAACACTTGAAGTACTGTGACTCTGGCAAGTC-3'	3		+							+	+	+						
PCI -3'Flank-9	5'-GAAGCAGCATTTGGGATCTTGGAAAATACTGTGAGAATAAC-3'	2	+			+													
PCI -3'Flank-10	5'-CAACCAAGCAATTAAAGGCATCAACAGCAAGSSAGAGCATGTGG-3'	4	+			+				+	+								
PCI -3'Flank-11	5'-CGAGGAGTTGTTGCTAAAGGATAGGGAGGTGAGGGGACA-3'	2	+		+														
PCI -3'Flank-12	5'-GTGCCTTCTTATAGCAGGACTATGTAGGCACCATGCTTCTTCTCTGCTTCAATTATA-	5	+	+															
PCI -3'Flank-13	5'-CTGTAATGACCTAGTATTCTCAGCAATGCAATGTCAGTCAAAGACCAATTCTGAGAAACTCA	2	+																
PCI -3'Flank-14	5'-CTACATCTGACATTCTAGTCTTCAGCTTCTCCGTTACTCCCTATACACTACCAATTACC	3	+																
PCI -3'Flank-15	5'-ATAGAACATTCTCAAAGTTGACAAACTCTCAGAAATTGTTGCTATAATTCATCGG	5	+	+															
PCI -3'Flank-16	5'-GTACGATGAATCCAAGCTTTGCTTCTCATCTAATCTGCTATCCCTGGTATG	4	+	+	+														
PCI -3'Flank-17	5'-CTATCTGTTTATTAAAGCTGAAAATACAGCAGCGTGGAGACATAGATATGCA	5	+			+													

+ Light grey represents insertion sites found in two koalas
 + Middle grey represents insertion sites found in 3 koalas
 + Dark grey represents insertion sites found in four or more koalas