

Alignment of the Jk gene segments of swine with those available for other common mammals.

	Nonomer	heptamer	J1	intron
Sheep	-----			
Rat	GGTTTTTGT---ACAGCCAGACAATGGAGAACTAC---CACTGTG---GTGGACGTTTCGGTGGAGGCACCAAGCTGGAATTGAAAC---GTAAGTA			
Mouse	GGTTTTTGT---ACAGCCAGACAGTGGAGTACTAC---CACTGTG---GTGGACGTTTCGGTGGAGGCACCAAGCTGGAATCAAAC---GTAAGTA			
Rabbit	GGTTTTGTA-----CAATGAGGAGTTGT-----CACTGTG---TTTGACTTTTGGAGCTGGCACCAGGTAGAAATCAAAC---GTGAGTA			
Horse	GGTTTCTGT---GCAGTGACACAGTGGAGAGCTAT---CACCGTG---GTGGACGTTTCGGTGGCAGGACCAAGCTGGAATCAAAC---GTGAGTA			
Human	GGTTTTTGT---TCAGCAAGACAATGGAGAGCTCT---CACTGTG---GTGGACGTTTCGGCCAAGGGACCAAGGTGGAATCAAAC---GTGAGTA			
Pig	GGTTTTTGT---TCAGTGAGACAGCAGACAGCTGT---CACTGTG---GTGGACGTTTCGGCCAAGGAACCAAGCTGGAATCAAAC---GTAAGTC			

Sheep J2 is truncated because the clone is truncated.

	Nonomer	heptamer	J2	intron
Sheep	-----AGTTTTGGCCAAGGAACCAAGCTAGAGATCAAAA---GTAAGTA			
Rat	AGTTTTTGT---ATGGGGGGTGAGTCAAGGGAAAC---CAGTGTG---TGAA-CACGTTTGGAGCTGGGACCAAGCTGGAATGAAAC---GTAAGTA			
Mouse	AGTTTTTGT---ATGGGGGGTTGAGTGAAGGGACAC---CAGTGTG---TGTA-CACGTTTCGGAGGGGGGACCAAGCTGGAATAAAAAC---GTAAGTA			
Rabbit	AGTTTTTGT---ACAGGAGGGAGGTTAGGAGGAAC---CACTGTG---TATAATGCTTTCGGCGGAGGGACCGAGGTGGTCGTCAAAG---GTAAGTG			
Horse	AGTTTTTGT---AAGACGGGGAAGTTAAGAGAAAAC---CACTGTG---TATA-CACGTTTCGGCCAAGGGACCAAGCTGGAGATCAAAA---GTGAGTA			
Human	AGTTTTTGT---ATAGGAGGGAAAGTTAAGAGGAAC---CATTGTG---TGTA-CACTTTTGGCCAGGGGACCAAGCTGGAGATCAAAC---GTAAGTA			
Pig	AGTTTTTGT---ACAGGAGGGAAAGTTGAGACGAAC---CCCTGTG---TATA-TGGTTTTCGGCGCGGGGACCAAGCTGGAGCTCAAAC---GTAAGTG			

	Nonomer	heptamer	J3	intron
Sheep	GGTATTTGT---ACAAGCAGAA---AGGGGGAAT---CACCATG---GTTCACTTTTCGGCCCAGGGACCAGAGTGGAGATCAAAC---GTGAGTA			
Rat	AGTTTTTGT---ATGGGGGGTGAGTCAAGGGAAAC---CAGTGTG---TGGACACGTTTGGAGCTGGGACCAAGCTGGAATGAAAC---GTAAGTA			
Mouse	GGTTTTTGTG---GAGGTAAAG-TTAAAATAAA-T---CACTGTA---AATCACATTTCAGTGATGGGACCAGACTGGAAATAAAAAC---CTAAGTA			
Rabbit	GGTTTTTGTG---GAGGGAGAAGGTAAGGGGAGC---CACCGTG---ATCCACTCTCGGCCAGGGACCAAAGCTGGAATCAAAC---CTAAGTC			
Horse	GGTTTTTGT---AGAGGTGGAAGTTAAGGAG---T---CGCTGTG---GTTCACTTTTCGGCCAAGGGACCAAAGCTGGAGATCAAAC---GTGAGTA			
Human	GGTTTTTGT---AAAGGGAAAAGTTAAGACGAA-T---CACTGTG---ATTCACTTTTCGGCCCTGGGACCAAAGTGGATATCAAAC---GTAAGTA			
Pig	GGTTTTTAT---AGAAGTGGAAGTTAAGGGGAAAT---CGCTATG---GTTCACTTTTGGCTCGGGGACCAAAGTGGAGCCCAAAA---TTGAGTA			

	Nonomer	heptamer	J4	intron
Sheep	GGTTTTTCGT---TAAGGGGGATATGTTCAGGGACGT---CACTGTG---ATATGCATTTCGGCGGTGGGACCAAGGTGGAATC-----			
Rat	AGTTTTTGT---ATGGGGGGTGAGTCAAGGGATAC---CAGTGTG---TGTACACGTTTGGAGCTGGGACCAAGCTGGAATGAAAC---GTAAGTA			
Mouse	GGTTTTTGT---AAAGGGGGGCGCAGTGATATGAAT---CACTGTG---ATTACGTTTCGGCTCGGGGACAAAGTTGGAAATAAAAAC---GTAAGTA			
Rabbit	GGTTTTTGT---GAGGGGTGGGATGG-----CAGAGTG---ACTTACTTTTGGCTCAGGGACCATGGTGGAGATCAAAT---GTAAGTG			
Horse	GGTTTTTGT---TGCGGGGTCAGAGTTAGATCCCT---CACTGTG---GCTTACGTTTCGGCCAGGGGACCAAGCTGGAGATCAAAC---GTAAGTG			
Human	GGTTTTTGT---TGAGGGGAAAGGGTGAGATCCCT---CACTGTG---GCTCACTTTTCGGCGGAGGGACCAAGGTGGAGATCAAAC---GTAAGTG			
Pig	GGTTTTTGA---TGAGGGAAGTGTTCTAGAGCCTT---AACTGTG---GGTTGTGTTTCGGTAGCGGGACCAAGCTGGAATCAAAC---GTAAGTG			

	Nonomer	heptamer	J5	intron	
Sheep	-----				
Rat	GGTTTTTAT	---AGAGGTAGAAGT-TAAAGTAAAT---	CACTGTA---	AATCATGATCAGTGATGAGACCAGACTGGAAATAAAAC---	CTAAGTA
Mouse	GGTTTTTGT	---AGAGAGGGGCATGTCATAGTCCT---	CACTGTG---	GCTCACGTTTCGGTGCTGGGACCAAGCTGGAGCTGAAAC---	GTAAGTA
Rabbit	GGTTTTTGT	---TGAGGGAAAGCAAT-AAAGCTAA---	TTCTGTG---	AATCACCTTTGGCGAGGAGACCAAGCTGGAGATCAAAC---	GTAAGTA
Horse	GGTTCTTGC	---TGAGGGGAAAGTAATT--CAGCT---	AATACTG---	GATCACCTTTGGTGAAGGGACGCGTCTGGACATTAATAA---	GTAAGTA
Human	GATTTTTGT	---TAAGGGGAAAGTAATTAAGTTAA---	CACTGTG---	GATCACCTTCGGCCAAGGGACACGACTGGAGATTA AAC---	GTAAGTA
Pig	GATTTCCAT	---TGAGGGGAAAGTAAAATTGTTAA---	TATTGTG---	GATCACCTTTGGTGAAGGGACATCCGTGGAGATTGAAC---	GTAAGTA

Only partial data are available for sheep since both 3' and 5' regions were truncated in the available sequence.

Map of the J_κ region of the porcine kappa genome

