

Table S1. *KRTAP1* sequences from the genomes of the ten mammalian species used in this study.

Species	Gene	GenBank Accession number	Open reading frame	Strand
Sheep	<i>KRTAP1-1</i>	NC_019468.2	40766938 – 40767417	–
	<i>KRTAP1-2</i>	NC_019468.2	40771911 – 40772378	–
	<i>KRTAP1-3</i>	NC_019468.2	40779170 – 40779617 ^a	–
	<i>KRTAP1-4</i>	NC_019468.2	40764049 – 40764578	–
Human	<i>KRTAP1-4</i>	NT_010783.15	4460117 – 4460482	–
	<i>KRTAP1-3</i>	NT_010783.15	4464722 – 4465225	–
	<i>KRTAP1-1</i>	NT_010783.15	4471268 – 4471801	–
	<i>KRTAP1-5</i>	NT_010783.15	4457035 – 4457559	–
Macaque	<i>KRTAP1-1</i>	NC_027908.1	46855931 – 46856296	–
	<i>KRTAP1-2</i>	NC_027908.1	46862830 – 46863363	–
	<i>KRTAP1-3</i>	NC_027908.1	46870332 – 46870895	–
	<i>KRTAP1-4</i>	NC_027908.1	46852802 – 46853326	–
Dog	<i>KRTAP1-1</i>	NW_003726075.1	3461261 – 3461761	+
	<i>KRTAP1-2</i>	NW_003726075.1	3453667 – 3454122	+
	<i>KRTAP1-3</i>	NW_003726075.1	3447783 – 3448238	+
	<i>KRTAP1-4</i>	NW_003726075.1	3464126 – 3464626	+
Mouse	<i>KRTAP1-1</i>	NT_165773.2	10985451 – 10986017	–
	<i>KRTAP1-2</i>	NT_165773.2	10993187 – 10993708	–
	<i>KRTAP1-3</i>	NT_165773.2	11000033 – 11000443	–
	<i>KRTAP1-4</i>	NT_165773.2	10982986 – 10983354	–
Rat	<i>KRTAP1-1</i>	NW_047339.1	1328764 – 1329330	–
	<i>KRTAP1-2</i>	NW_047339.1	1335870 – 1336391	–
	<i>KRTAP1-3</i>	NW_047339.1	1342514 – 1342909	–
	<i>KRTAP1-4</i>	NW_047339.1	1326287 – 1326655	–
Cattle	<i>KRTAP1-1</i>	NW_003104496.1	1422531 – 1423001	–
	<i>KRTAP1-2</i>	NW_003104496.1	1427623 – 1428123	–
	<i>KRTAP1-3</i>	NW_003104496.1	1435218 – 1435584 ^b	–
	<i>KRTAP1-4</i>	NW_003104496.1	1419706 – 1420146	–
Horse	<i>KRTAP1-1</i>	NW_001867366.1	20418599 – 20419102	+
	<i>KRTAP1-2</i>	NW_001867366.1	20412268 – 20412756	+
	<i>KRTAP1-3</i>	NW_001867366.1	20406496 – 20406924	+
	<i>KRTAP1-4</i>	NW_001867366.1	20421307 – 20421663	+
Elephant	<i>KRTAP1-1</i>	NW_003573451.1	22936276 – 22936734	–
	<i>KRTAP1-2</i>	NW_003573451.1	22940301 – 22940897	–
	<i>KRTAP1-3</i>	NW_003573451.1	22949757 – 22950215	–
	<i>KRTAP1-4</i>	NW_003573451.1	22933636 – 22934097	–
Rabbit	<i>KRTAP1-1</i>	NW_003159313.1	19592682 – 19593113	–
	<i>KRTAP1-2</i>	NW_003159313.1	19599592 – 19600164	–
	<i>KRTAP1-3</i>	NW_003159313.1	19605619 – 19606050	–
	<i>KRTAP1-4</i>	NW_003159313.1	19590102 – 19590482	–

^a the sheep genome assembly accession is missing 11 nucleotides. We used Genbank accession X02925.1 (which has a complete coding region) for the coding sequence, and the genome assembly for the flanking region sequences.

^b The end of the coding region is missing from the cattle genome assembly. We used Genbank accession XM_001255391.4 (which has a putatively complete coding region) for the coding sequence, and the genome assembly for the flanking region sequences.