

Supplementary data file 1: Gene data set of eutherian adenohipophysis cystine-knot genes.

Superordinal clade	Order	Species ^a	Genome assembly ^b	Gene number	Gene	Genomic coordinates ^c	GenBank ID
Euarchontoglires	Primates	Human	GRCh37 (>7)	15	<i>PREA1</i>	exon 1: ch.17: 16753333-16753779 bp	HF564658
					<i>PREA2</i>	exon 1: ch.17: 18325583-18326029 bp	HF564659
					<i>PREA3</i>	exon 1: ch.17: 20425007-20425453 bp	HF564660
					<i>PREB</i>	exon 1: ch.17: 39784955-39785401 bp	HF564661
					<i>GPB5</i>	exon 1: ch.14: 63784361-63784563 bp exon 2: ch.14: 63779642-63779830 bp	HF564662
					<i>TSHB</i>	exon 1: ch.1: 115575984-115576145 bp exon 2: ch.1: 115576594-115576848 bp	HF564663
					<i>FSHB</i>	exon 1: ch.11: 30253450-30253608 bp exon 2: ch.11: 30255117-30255347 bp	HF564664
					<i>LHB</i>	exon 1: ch.19: 49520324-49520338 bp exon 2: ch.19: 49519804-49519971 bp exon 3: ch.19: 49519325-49519567 bp	HF564665
					<i>CGB1</i>	exon 1: ch.19: 49535394-49535408 bp exon 2: ch.19: 49535761-49535928 bp exon 3: ch.19: 49536164-49536478 bp	HF564666
					<i>CGB2</i>	exon 1: ch.19: 49539913-49539927 bp exon 2: ch.19: 49539393-49539560 bp exon 3: ch.19: 49538867-49539157 bp	HF564667
					<i>CGB3</i>	exon 1: ch.19: 49547467-49547481 bp exon 2: ch.19: 49547834-49548001 bp exon 3: ch.19: 49548237-49548551 bp	HF564668
					<i>CGB4</i>	exon 1: ch.19: 49551982-49551996 bp exon 2: ch.19: 49551462-49551629 bp exon 3: ch.19: 49550912-49551226 bp	HF564669
					<i>CGB5</i>	exon 1: ch.19: 49558618-49558632 bp exon 2: ch.19: 49558098-49558265 bp exon 3: ch.19: 49557548-49557862 bp	HF564670
					<i>GPA1</i>	exon 1: ch.6: 87797831-87797918 bp	HF564671

					exon 2: ch.6: 87795968-87796152 bp exon 3: ch.6: 87795474-87795551 bp	
				<i>GPA2</i>	exon 1: ch.11: 64702830-64702932 bp exon 2: ch.11: 64702463-64702647 bp exon 3: ch.11: 64702245-64702346 bp	HF564672
				putative	exon 1: ch.19: 49527214-49527228 bp exon 2: ch.19: 49526693-49526860 bp exon 3: ch.19: 49526143-49526457 bp	-
	Common chimpanzee	CHIMP2.1.4 (6)	8	<i>PREAI</i>	exon 1: ch.17: 39117698-39118144 bp	HF564673
				<i>PREB</i>	exon 1: ch.17: 15769374-15769820 bp	HF564674
				<i>GPB5</i>	exon 1: ch.14: 62382636-62382839 bp exon 2: ch.14: 62377887-62378075 bp	HF564675
				<i>FSHB</i>	exon 1: ch.11: 30152100-30152258 bp exon 2: ch.11: 30153768-30153998 bp	HF564676
				<i>LHB</i>	exon 1: ch.19: 53998897-53998911 bp exon 2: ch.19: 53998377-53998544 bp exon 3: ch.19: 53997898-53998140 bp	HF564677
				<i>CGB1</i>	exon 1: ch.19: 54005906-54005920 bp exon 2: ch.19: 54005386-54005553 bp exon 3: ch.19: 54004836-54005150 bp	HF564678
				<i>GPA1</i>	exon 1: ch.6: 87685380-87685467 bp exon 2: ch.6: 87683517-87683701 bp exon 3: ch.6: 87683020-87683097 bp	HF564679
				<i>GPA2</i>	exon 1: ch.11: 62862514-62862616 bp exon 2: ch.11: 62862143-62862327 bp exon 3: ch.11: 62861925-62862026 bp	HF564680
				putative	exon 1: ch.19: 54020202-54020216 bp exon 2: ch.19: 54019682-54019849 bp exon 3: ch.19: 54019132-54019446 bp	-
	Western gorilla	gorGor3.1 (2.1)	1	<i>GPA2</i>	exon 1: ch.11: 61930562-61930664 bp exon 2: ch.11: 61930191-61930375 bp exon 3: ch.11: 61929973-61930074 bp	HF564681
				putative	exon 1: ch.5: 42505342-42505788 bp	-
				putative	exon 1: ch.14: 44405560-44405763 bp	-

					exon 2: ch.14: 44400843-44401031 bp	
				putative	exon 1: ch.1: 118303132-118303293 bp exon 2: ch.1: 118303742-118303996 bp	-
				putative	exon 1: ch.11: 30741459-30741617 bp exon 2: ch.11: 30743128-30743358 bp	-
				putative	exon 1: ch.19: 46533724-46533738 bp exon 2: ch.19: 46533205-46533372 bp exon 3: ch.19: 46532655-46532969 bp	-
				putative	exon 1: ch.6: 87300201-87300288 bp exon 2: ch.6: 87298340-87298524 bp exon 3: ch.6: 87297851-87297928 bp	-
		Sumatran orangutan	P_pygmaeus_2.0.2 (6)	9	<i>PREA1</i>	exon 1: ch.17: 5073451-5073897 bp HF564682
					<i>PREB</i>	exon 1: ch.17: 47836929-47837363 bp HF564683
					<i>GPB5</i>	exon 1: ch.14: 64168176-64168379 bp exon 2: ch.14: 64163427-64163615 bp HF564684
					<i>FSHB</i>	exon 1: ch.11: 39232757-39232915 bp exon 2: ch.11: 39231011-39231241 bp HF564685
					<i>CGB1</i>	exon 1: ch.19: 50578122-50578136 bp exon 2: ch.19: 50577602-50577769 bp exon 3: ch.19: 50577052-50577366 bp HF564686
					<i>CGB2</i>	exon 1: ch.19: 50586334-50586348 bp exon 2: ch.19: 50586702-50586869 bp exon 3: ch.19: 50587105-50587419 bp HF564687
					<i>CGB3</i>	exon 1: ch.19: 50603985-50603999 bp exon 2: ch.19: 50603465-50603632 bp exon 3: ch.19: 50602915-50603229 bp HF564688
					<i>GPA1</i>	exon 1: ch.6: 88022432-88022519 bp exon 2: ch.6: 88020571-88020755 bp exon 3: ch.6: 88020046-88020123 bp HF564689
					<i>GPA2</i>	exon 1: ch.11: 11014633-11014736 bp exon 2: ch.11: 11014926-11015111 bp exon 3: ch.11: 11015229-11015330 bp HF564690
					putative	exon 1: ch.1: 113147410-113147571 bp exon 2: ch.1: 113146708-113146962 bp -

					putative	exon 1: ch.19: 50590904-50590918 bp exon 2: ch.19: 50590384-50590551 bp exon 3: ch.19: 50589834-50590148 bp	-
					putative	exon 1: ch.19: 50597540-50597554 bp exon 2: ch.19: 50597020-50597187 bp exon 3: ch.19: 50596470-50596784 bp	-
		Northern white-cheeked gibbon	Nleu1.1 (5.6)	3	<i>PREAI</i>	exon 1: GL397365.1: 149975-150421 bp	HF564691
					<i>FSHB</i>	exon 1: GL397264.1: 44715761-44715919 bp exon 2: GL397264.1: 44717434-44717664 bp	HF564692
					<i>GPAI</i>	exon 1: GL397273.1: 21469066-21469156 bp exon 2: GL397273.1: 21467197-21467381 bp exon 3: GL397273.1: 21466695-21466772 bp	HF564693
					putative	exon 1: GL404692.1: 2670-3116 bp	-
					putative	exon 1: GL397313.1: 10430486-10430647 bp exon 2: GL397313.1: 10431096-10431350 bp	-
					putative	exon 1: GL397326.1: 989004-989018 bp exon 2: GL397326.1: 988484-988651 bp exon 3: GL397326.1: 987937-988248 bp	-
					putative	exon 1: GL401012.1: 2960-2974 bp exon 2: GL401012.1: 2294-2461 bp exon 3: GL401012.1: 1747-2058 bp	-
					putative	exon 1: GL397360.1: 3903457-3903559 bp exon 2: GL397360.1: 3903086-3903270 bp exon 3: GL397360.1: 3902861-3902962 bp	-
		Rhesus monkey	Mmul_051212 (5.3)	7	<i>PREB</i>	exon 1: ch.16: 51722158-51722604 bp	HF564694
					<i>GPB5</i>	exon 1: ch.7: 126307906-126308109 bp exon 2: ch.7: 126303395-126303583 bp	HF564695
					<i>TSHB</i>	exon 1: ch.1: 118011322-118011483 bp exon 2: ch.1: 118011931-118012185 bp	HF564696
					<i>FSHB</i>	exon 1: ch.14: 41546023-41546181 bp exon 2: ch.14: 41544285-41544515 bp	HF564697
					<i>LHB</i>	exon 1: ch.19: 55300861-55300875 bp exon 2: ch.19: 55300341-55300508 bp exon 3: ch.19: 55299791-55300106 bp	HF564698

					<i>CGB1</i>	exon 1: ch.19: 55328889-55328903 bp exon 2: ch.19: 55328370-55328537 bp exon 3: ch.19: 55327821-55328135 bp	HF564699
					<i>GPA2</i>	exon 1: ch.14: 9511569-9511671 bp exon 2: ch.14: 9511858-9512042 bp exon 3: ch.14: 9512159-9512260 bp	HF564700
					putative	exon 1: ch.19: 55318511-55318525 bp exon 2: ch.19: 55317992-55318159 bp exon 3: ch.19: 55317442-55317756 bp	-
					putative	exon 1: ch.4: 83036286-83036385 bp exon 2: ch.4: 83034365-83034549 bp exon 3: ch.4: 83033822-83033899 bp	-
		Hamadryas baboon	Pham_1.0 (5.3)	4	<i>PREB</i>	exon 1: Contig759540_Contig186445: 3525-3971 bp	HF564701
					<i>GPB5</i>	exon 1: Contig310869_Contig686011: 57117-57320 bp exon 2: Contig310869_Contig686011: 52546-52734 bp	HF564702
					<i>TSHB</i>	exon 1: Contig587973_Contig486667: 19573-19734 bp exon 2: Contig587973_Contig486667: 20182-20436 bp	HF564703
					<i>GPA2</i>	exon 1: Contig532543_Contig581763: 57908-58010 bp exon 2: Contig532543_Contig581763: 57537-57721 bp exon 3: Contig532543_Contig581763: 57319-57420 bp	HF564704
					putative	exon 1: Contig540370_Contig372543: 47121-47279 bp exon 2: Contig540370_Contig372543: 48801-49031 bp	-
					putative	exon 1: Contig530460_Contig500046: 60362-60461 bp exon 2: Contig530460_Contig500046: 62195-62379 bp exon 3: Contig530460_Contig500046: 62813-62890 bp	-
		Common marmoset	C_jacchus3.2.1 (6.6)	3	<i>GPB5</i>	exon 1: ch.10: 88231337-88231540 bp exon 2: ch.10: 88226979-88227167 bp	HF564705
					<i>FSHB</i>	exon 1: ch.11: 93319440-93319598 bp exon 2: ch.11: 93321125-93321355 bp	HF564706
					<i>GPA1</i>	exon 1: ch.4: 86149572-86149659 bp exon 2: ch.4: 86147712-86147897 bp exon 3: ch.4: 86147231-86147308 bp	HF564707
					putative	exon 1: ch.7: 151110716-151110877 bp exon 2: ch.7: 151111319-151111573 bp	-

					putative	exon 1: ch.11: 120550622-120550724 bp exon 2: ch.11: 120550255-120550439 bp exon 3: ch.11: 120550052-120550153 bp	-
	Philippine tarsier	tarSyr1.0 (1.82)	1	<i>TSHB</i>	exon 1: scaffold_43385: 7794-7955 bp exon 2: scaffold_43385: 8394-8648 bp	HF564708	
				putative	exon 1: scaffold_48264: 7511-7714 bp exon 2: scaffold_48264: 1904-2092 bp	-	
				putative	exon 1: scaffold_9445: 31047-31205 bp exon 2: scaffold_9445: 32994-33224 bp	-	
				putative	exon 1: GeneScaffold_4845: 9828-9930 bp exon 2: GeneScaffold_4845: 9470-9654 bp exon 3: GeneScaffold_4845: 9251-9352 bp	-	
	Gray mouse lemur	micMur1.0 (1.93)	2	<i>GPB5</i>	exon 1: GeneScaffold_1647: 294111-294317 bp exon 2: GeneScaffold_1647: 298369-298557 bp	HF564709	
				<i>GPA2</i>	exon 1: GeneScaffold_1114: 316350-316452 bp exon 2: GeneScaffold_1114: 315985-316169 bp exon 3: GeneScaffold_1114: 315725-315826 bp	HF564710	
	Northern greater galago	otoGar3 (3.89)	3	<i>TSHB</i>	exon 1: GL873592.1: 6279759-6279920 bp exon 2: GL873592.1: 6279074-6279328 bp	HF564711	
				<i>GPA1</i>	exon 1: GL873822.1: 697816-697915 bp exon 2: GL873822.1: 698924-699108 bp exon 3: GL873822.1: 699515-699592 bp	HF564712	
				<i>GPA2</i>	exon 1: GL873659.1: 1827105-1827207 bp exon 2: GL873659.1: 1826751-1826935 bp exon 3: GL873659.1: 1826552-1826653 bp	HF564713	
				putative	exon 1: AAQR03111624.1: 22245-22448 bp exon 2: AAQR03111624.1: 17406-17594 bp	-	
				putative	exon 1: GL873520.1: 57294867-57295025 bp exon 2: GL873520.1: 57296507-57296737 bp	-	
				putative	exon 1: GL873730.1: 1602949-1602963 bp exon 2: GL873730.1: 1603268-1603435 bp exon 3: GL873730.1: 1603721-1603963 bp	-	
Scadentia	Northern treeshrew	tupBell (1.89)	2	<i>GPB5</i>	exon 1: GeneScaffold_2053: 226125-226328 bp exon 2: GeneScaffold_2053: 223018-223206 bp	HF564714	

					<i>TSHB</i>	exon 1: GeneScaffold_5567: 152404-152565 bp exon 2: GeneScaffold_5567: 153187-153441 bp	HF564715
Rodentia	Mouse	GRCm38 (>7)	6	<i>GpB5</i>	exon 1: ch.12: 75415610-75415813 bp exon 2: ch.12: 75412827-75413015 bp	HF564716	
				<i>TshB</i>	exon 1: ch.3: 102778150-102778311 bp exon 2: ch.3: 102777470-102777724 bp	HF564717	
				<i>FshB</i>	exon 1: ch.2: 107058796-107058957 bp exon 2: ch.2: 107057280-107057510 bp	HF564718	
				<i>LhB</i>	exon 1: ch.7: 45420953-45420967 bp exon 2: ch.7: 45421215-45421382 bp exon 3: ch.7: 45421536-45421778 bp	HF564719	
				<i>GpA1</i>	exon 1: ch.4: 34904007-34904106 bp exon 2: ch.4: 34905078-34905262 bp exon 3: ch.4: 34907066-34907143 bp	HF564720	
				<i>GpA2</i>	exon 1: ch.19: 6226788-6226887 bp exon 2: ch.19: 6226971-6227155 bp exon 3: ch.19: 6227501-6227602 bp	HF564721	
	Brown rat	Rnor_5.0 (>7)	6	<i>Gpb5</i>	exon 1: ch.6: 107800979-107801179 bp exon 2: ch.6: 107798630-107798818 bp	HF564722	
				<i>TshB</i>	exon 1: ch.2: 224639095-224639256 bp exon 2: ch.2: 224638463-224638717 bp	HF564723	
				<i>FshB</i>	exon 1: ch.3: 104703090-104703251 bp exon 2: ch.3: 104701341-104701571 bp	HF564724	
				<i>LhB</i>	exon 1: ch.1: 102492156-102492170 bp exon 2: ch.1: 102492417-102492584 bp exon 3: ch.1: 102492813-102493055 bp	HF564725	
				<i>GpA1</i>	exon 1: ch.5: 54959545-54959644 bp exon 2: ch.5: 54960615-54960799 bp exon 3: ch.5: 54962025-54962102 bp	HF564726	
				<i>GpA2</i>	exon 1: ch.1: 228533643-228533748 bp exon 2: ch.1: 228533899-228534083 bp exon 3: ch.1: 228534170-228534271 bp	HF564727	
	Ord's kangaroo rat	dipOrd1 (1.85)	2	<i>GPB5</i>	exon 1: scaffold_31790: 15352-15555 bp exon 2: scaffold_31790: 11670-11858 bp	HF564728	

					<i>GPA2</i>	exon 1: GeneScaffold_5084: 145357-145453 bp exon 2: GeneScaffold_5084: 145009-145193 bp exon 3: GeneScaffold_5084: 144827-144928 bp	HF564729
					putative	exon 1: scaffold_3122: 30018-30032 bp exon 2: scaffold_3122: 30293-30460 bp exon 3: scaffold_3122: 30676-30918 bp	-
		Domesticated guinea pig	cavPor3 (6.76)	6	<i>GPB5</i>	exon 1: scaffold_20: 8293393-8293596 bp exon 2: scaffold_20: 8289251-8289439 bp	HF564730
					<i>TSHB</i>	exon 1: scaffold_2: 39458123-39458284 bp exon 2: scaffold_2: 39458858-39459112 bp	HF564731
					<i>FSHB</i>	exon 1: scaffold_81: 5736300-5736458 bp exon 2: scaffold_81: 5737858-5738088 bp	HF564732
					<i>LHB</i>	exon 1: scaffold_70: 8317756-8317770 bp exon 2: scaffold_70: 8318009-8318176 bp exon 3: scaffold_70: 8318359-8318601 bp	HF564733
					<i>GPA1</i>	exon 1: scaffold_12: 40822087-40822186 bp exon 2: scaffold_12: 40824674-40824858 bp exon 3: scaffold_12: 40825666-40825743 bp	HF564734
					<i>GPA2</i>	exon 1: scaffold_42: 5755484-5755586 bp exon 2: scaffold_42: 5755175-5755359 bp exon 3: scaffold_42: 5754978-5755079 bp	HF564735
		Thirteen-lined ground squirrel	speTri1 (1.9)	1	<i>LHB</i>	exon 1: GeneScaffold_5156: 54806-54820 bp exon 2: GeneScaffold_5156: 54277-54444 bp exon 3: GeneScaffold_5156: 53797-54039 bp	HF564736
	Lagomorpha	European rabbit	oryCun2 (6.55)	4	<i>GPB5</i>	exon 1: ch.20: 11014811-11015014 bp exon 2: ch.20: 11008342-11008530 bp	HF564737
					<i>TSHB</i>	exon 1: ch.13: 49162045-49162206 bp exon 2: ch.13: 49161360-49161614 bp	HF564738
					<i>FSHB</i>	exon 1: ch.1: 169431787-169431945 bp exon 2: ch.1: 169433407-169433637 bp	HF564739
					<i>GPA1</i>	exon 1: ch.12: 73923649-73923748 bp exon 2: ch.12: 73922472-73922656 bp exon 3: ch.12: 73921965-73922042 bp	HF564740
					putative	exon 1: GL019028.1: 51905-51919 bp	-

						exon 2: GL019028.1: 52131-52298 bp exon 3: GL019028.1: 52457-52699 bp	
		American pika	ochPri2.0 (1.93)	4	<i>GPB5</i>	exon 1: scaffold_1835: 59754-59957 bp exon 2: scaffold_1835: 57889-58077 bp	HF564741
					<i>FSHB</i>	exon 1: scaffold_7710: 97249-97407 bp exon 2: scaffold_7710: 98840-99070 bp	HF564742
					<i>LHB</i>	exon 1: scaffold_30291: 7915-7929 bp exon 2: scaffold_30291: 8172-8339 bp exon 3: scaffold_30291: 8508-8750 bp	HF564743
					<i>GPA2</i>	exon 1: scaffold_1851: 115984-116074 bp exon 2: scaffold_1851: 115637-115821 bp exon 3: scaffold_1851: 115436-115537 bp	HF564744
Laurasiatheria	Cetacea	Bottlenose dolphin	turTru1.0 (2.59)	2	<i>GPB5</i>	exon 1: GeneScaffold_1173: 128590-128793 bp exon 2: GeneScaffold_1173: 123739-123927 bp	HF564745
					<i>TSHB</i>	exon 1: GeneScaffold_3403: 221306-221467 bp exon 2: GeneScaffold_3403: 221911-222165 bp	HF564746
					putative	exon 1: scaffold_100479: 55500-55658 bp exon 2: scaffold_100479: 57290-57520 bp	-
	Artiodactyla	Domestic cattle	Btau_4.6.1 (>7)	5	<i>GPB5</i>	exon 1: ch.10: 77405920-77406123 bp exon 2: ch.10: 77402308-77402496 bp	HF564747
					<i>TSHB</i>	exon 1: ch.3: 30593982-30594143 bp exon 2: ch.3: 30593288-30593542 bp	HF564748
					<i>FSHB</i>	exon 1: ch.15: 60640886-60641044 bp exon 2: ch.15: 60642628-60642858 bp	HF564749
					<i>GPA1</i>	exon 1: ch.9: 65093579-65093678 bp exon 2: ch.9: 65094774-65094958 bp exon 3: ch.9: 65095586-65095663 bp	HF564750
					<i>GPA2</i>	exon 1: ch.29: 44781245-44781347 bp exon 2: ch.29: 44780900-44781084 bp exon 3: ch.29: 44780687-44780788 bp	HF564751
		Wild boar	Sscrofa10.2 (4)	0	putative	exon 1: ch.1: 216816086-216816289 bp exon 2: ch.1: 216820858-216821046 bp	-
					putative	exon 1: ch.4: 115692468-115692629 bp exon 2: ch.4: 115691771-115692025 bp	-

					putative	exon 1: ch.2: 32863860-32864018 bp exon 2: ch.2: 32862073-32862303 bp	-
					putative	exon 1: ch.6: 50063956-50063970 bp exon 2: ch.6: 50064303-50064470 bp exon 3: ch.6: 50064761-50065003 bp	-
					putative	exon 1: ch.1: 62247902-62248001 bp exon 2: ch.1: 62246600-62246784 bp exon 3: ch.1: 62246069-62246146 bp	-
					putative	exon 1: ch.2: 6378546-6378648 bp exon 2: ch.2: 6378808-6378992 bp exon 3: ch.2: 6379100-6379201 bp	-
	Vicugna	vicPac1.0 (2.51)	2	<i>TSHB</i>	exon 1: GeneScaffold_3377: 688673-688834 bp exon 2: GeneScaffold_3377: 689264-689518 bp	HF564752	
				<i>FSHB</i>	exon 1: scaffold_21652: 3836-3994 bp exon 2: scaffold_21652: 2062-2292 bp	HF564753	
				putative	exon 1: GeneScaffold_1978: 4468-4570 bp exon 2: GeneScaffold_1978: 3923-4107 bp exon 3: GeneScaffold_1978: 3709-3810 bp	-	
Perissodactyla	Horse	EquCab2 (6.79)	4	<i>GPB5</i>	exon 1: ch.24: 10302024-10302227 bp exon 2: ch.24: 10297810-10297998 bp	HF564754	
				<i>TSHB</i>	exon 1: ch.5: 53763695-53763856 bp exon 2: ch.5: 53762980-53763234 bp	HF564755	
				<i>FSHB</i>	exon 1: ch.7: 96163704-96163862 bp exon 2: ch.7: 96165420-96165650 bp	HF564756	
				<i>GPAI</i>	exon 1: ch.10: 39939964-39940063 bp exon 2: ch.10: 39938739-39938923 bp exon 3: ch.10: 39937915-39937992 bp	HF564757	
Carnivora	Domestic dog	CanFam3.1 (>7)	6	<i>GPB5</i>	exon 1: ch.8: 37899180-37899383 bp exon 2: ch.8: 37894667-37894855 bp	HF564758	
				<i>TSHB</i>	exon 1: ch.17: 52684440-52684601 bp exon 2: ch.17: 52685051-52685305 bp	HF564759	
				<i>FSHB</i>	exon 1: ch.21: 50280214-50280372 bp exon 2: ch.21: 50281412-50281642 bp	HF564760	
				<i>LHB</i>	exon 1: ch.1: 107382855-107382869 bp	HF564761	

						exon 2: ch.1: 107383225-107383392 bp exon 3: ch.1: 107383709-107383951 bp	
					<i>GPA1</i>	exon 1: ch.12: 46612940-46613039 bp exon 2: ch.12: 46611581-46611765 bp exon 3: ch.12: 46611068-46611145 bp	HF564762
					<i>GPA2</i>	exon 1: ch.18: 52243715-52243811 bp exon 2: ch.18: 52243974-52244158 bp exon 3: ch.18: 52244270-52244371 bp	HF564763
	Domestic cat	Felis_catus-6.2 (2)	0	putative		exon 1: ch.B3: 111203119-111203322 bp exon 2: ch.B3: 111197857-111198045 bp	-
				putative		exon 1: JH408686.1: 476591-476752 bp exon 2: JH408686.1: 475919-476173 bp	-
				putative		exon 1: ch.D1: 86567556-86567714 bp exon 2: ch.D1: 86569591-86569821 bp	-
				putative		exon 1: ch.E2: 8327510-8327524 bp exon 2: ch.E2: 8327884-8328057 bp exon 3: ch.E2: 8328352-8328594 bp	-
				putative		exon 1: ch.D1: 109574479-109574575 bp exon 2: ch.D1: 109574129-109574317 bp exon 3: ch.D1: 109573955-109574035 bp	-
Chiroptera	Little brown myotis	myoLuc2 (6.64)	5	<i>GPB5</i>		exon 1: GL429933.1: 234916-235119 bp exon 2: GL429933.1: 237983-238171 bp	HF564764
				<i>TSHB</i>		exon 1: GL429868.1: 415359-415520 bp exon 2: GL429868.1: 414667-414921 bp	HF564765
				<i>FSHB</i>		exon 1: GL429859.1: 2610107-2610265 bp exon 2: GL429859.1: 2612576-2612806 bp	HF564766
				<i>GPA1</i>		exon 1: GL429919.1: 1772216-1772315 bp exon 2: GL429919.1: 1770876-1771060 bp exon 3: GL429919.1: 1770333-1770410 bp	HF564767
				<i>GPA2</i>		exon 1: GL430329.1: 176590-176692 bp exon 2: GL430329.1: 176249-176433 bp exon 3: GL430329.1: 176060-176161 bp	HF564768
	Large flying fox	pteVam1 (2.63)	1	<i>FSHB</i>		exon 1: GeneScaffold_1483: 41364-41522 bp exon 2: GeneScaffold_1483: 43099-43329 bp	HF564769

					putative	exon 1: GeneScaffold_1828: 471016-471219 bp exon 2: GeneScaffold_1828: 467540-467728 bp	-
					putative	exon 1: GeneScaffold_1909: 317849-317863 bp exon 2: GeneScaffold_1909: 317342-317509 bp exon 3: GeneScaffold_1909: 316812-317054 bp	-
					putative	exon 1: GeneScaffold_2911: 279921-280020 bp exon 2: GeneScaffold_2911: 278707-278891 bp exon 3: GeneScaffold_2911: 278176-278251 bp	-
					putative	exon 1: GeneScaffold_2872: 118370-118472 bp exon 2: GeneScaffold_2872: 118034-118218 bp exon 3: GeneScaffold_2872: 117823-117924 bp	-
	Eulipotyphla	West European hedgehog	eriEur1 (1.86)	2	<i>GPB5</i>	exon 1: scaffold_279965: 5262-5465 bp exon 2: scaffold_279965: 11188-11376 bp	HF564770
<i>GPAI</i>					exon 1: scaffold_294696: 30485-30584 bp exon 2: scaffold_294696: 28356-28540 bp exon 3: scaffold_294696: 24094-24171 bp	HF564771	
putative					exon 1: scaffold_265859: 23829-23987 bp exon 2: scaffold_265859: 26081-26311 bp	-	
		Common shrew	sorAra1 (1.92)	1	<i>FSHB</i>	exon 1: scaffold_247522: 20799-20957 bp exon 2: scaffold_247522: 19531-19761 bp	HF564772
Xenarthra	Xenarthra	Nine-banded armadillo	dasNov3.0 (6)	4	<i>GPB5</i>	exon 1: JH566294.1: 89277-89480 bp exon 2: JH566294.1: 90749-90937 bp	HF564773
					<i>TSHB</i>	exon 1: JH568870.1: 961247-961408 bp exon 2: JH568870.1: 960509-960763 bp	HF564774
					<i>FSHB</i>	exon 1: JH561443.1: 6523021-6523179 bp exon 2: JH561443.1: 6521245-6521475 bp	HF564775
					<i>GPAI</i>	exon 1: JH565894.1: 238007-238106 bp exon 2: JH565894.1: 236773-236957 bp exon 3: JH565894.1: 236282-236359 bp	HF564776
					putative	exon 1: JH562401.1: 63483-63497 bp exon 2: JH562401.1: 63772-63939 bp exon 3: JH562401.1: 64171-64413 bp	-
		Hoffmann's two-toed sloth	choHof1.0 (1.93)	1	<i>FSHB</i>	exon 1: scaffold_97802: 2364-2522 bp exon 2: scaffold_97802: 4063-4293 bp	HF564777

					putative	exon 1: scaffold_4266: 11229-11328 bp exon 2: scaffold_4266: 9765-9949 bp exon 3: scaffold_4266: 9277-9354 bp	-
					putative	exon 1: GeneScaffold_606: 9565-9667 bp exon 2: GeneScaffold_606: 9241-9425 bp exon 3: GeneScaffold_606: 9036-9137 bp	-
Afrotheria	Tenrecidae	Lesser hedgehog tenrec	echTel1 (1.9)	2	<i>GPB5</i>	exon 1: scaffold_314685: 52542-52745 bp exon 2: scaffold_314685: 47689-47877 bp	HF564778
					<i>TSHB</i>	exon 1: scaffold_58469: 571-732 bp exon 2: scaffold_58469: 1112-1366 bp	HF564779
					putative	exon 1: GeneScaffold_3789: 41136-41235 bp exon 2: GeneScaffold_3789: 3536-3720 bp exon 3: GeneScaffold_3789: 3039-3116 bp	-
	Proboscidea	African bush elephant	loxAfr3 (6.77)	5	<i>GPB5</i>	exon 1: GL010036.1: 38956254-38956457 bp exon 2: GL010036.1: 38951994-38952182 bp	HF564780
					<i>TSHB</i>	exon 1: GL010038.1: 61018844-61019005 bp exon 2: GL010038.1: 61019447-61019701 bp	HF564781
					<i>FSHB</i>	exon 1: GL010048.1: 19610274-19610432 bp exon 2: GL010048.1: 19607338-19607568 bp	HF564782
					<i>GPA1</i>	exon 1: GL010027.1: 78659060-78659159 bp exon 2: GL010027.1: 78660191-78660375 bp exon 3: GL010027.1: 78660800-78660877 bp	HF564783
					<i>GPA2</i>	exon 1: GL010098.1: 4552980-4553076 bp exon 2: GL010098.1: 4553223-4553407 bp exon 3: GL010098.1: 4553516-4553617 bp	HF564784
					putative	exon 1: GL010031.1: 8821450-8821464 bp exon 2: GL010031.1: 8821777-8821944 bp exon 3: GL010031.1: 8822155-8822397 bp	-
Hyracoidea	Rock hyrax	proCap1 (2.19)	1	<i>GPA1</i>	exon 1: scaffold_18646: 22453-22552 bp exon 2: scaffold_18646: 21240-21424 bp exon 3: scaffold_18646: 20757-20834 bp	HF564785	
				putative	exon 1: scaffold_31316: 10169-10330 bp exon 2: scaffold_31316: 10773-11027 bp	-	
				putative	exon 1: GeneScaffold_1825: 41177-41273 bp	-	

						exon 2: GeneScaffold_1825: 40860-41044 bp exon 3: GeneScaffold_1825: 40651-40752 bp	
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^a, the common names of 35 eutherian species were provided according to Wilson and Reeder (2005); ^b, genomic sequence redundancy was given in brackets; ^c, translated exons; ch., chromosome.