

	670	680	690	700	710	720	730	740	750	760	770
1 Cattle	-----	-----	-----	-----	-----	aagaaaagt-	-----aaa	ag-----	gaagaagtaa	ga-aca--ag	---ggaaa--
2 Cattle2	-----	-----	-----	-----	-----	aagaaaagt-	-----aaa	ag-----	gaagaagtaa	ga-aca--ag	---ggaaa--
3 Chicken	gattcattgt	tgggacaaca	accaatcgtc	ggttttgaag	acatgagcct	aatcaaaagt	ggagataaaa	agcccccttg	gcataataa	ggcacaccag	tgtggcaagc
4 Human	-----	-----	-----	-----	-----	aagaaaagt-	-----aaa	ag-----	gaagaaacaa	ga-aca--ag	---aaaa--
5 Catfish	---gtagtgg	agtgt-----	-----agt	ggtagtgg--	agtatagtgg	tagtgtagtt	ggagt-----	-gc-----	gtag-tgtaa	-----	tgt---agt
6 Bream	gacgca--gc	agcaacaaca	ac--agcagc	ag-----	-cagcagc--	-agca-----	g-----	----ccctcc	gc-----	----caccag	-----
7 Pig_mRNA	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	780	790	800	810	820	830	840	850	860	870	880
1 Cattle	-----ag	attgtatt--	-----ga	t---ttta--	-----	-----	-----	-----	---aaacccat	gca-----	-----aaaa
2 Cattle2	-----ag	attgtatt--	-----ga	t---tttaaa	ac-----	-----	-----	-----	-ca-----t	gca-----	-----aaaa
3 Chicken	cgctctcag	attgcatttg	ctgtcccggg	tctgtttaga	actgaaagaa	aaggggaaag	ggagaggggg	gggaaaaaag	gcaaaaagat	gcagtgaggt	gtaagaaaaa
4 Human	-----	attatatt--	-----ga	t---ttta--	-----	-----	-----	-----	---aatccat	gca-----	-----aaaa
5 Catfish	ggt-----ag	tgta-atatg	gtgtagtggg	agtgtaatgt	agtggtagtg	gagtggtaat	gtagtgtagt	ggtagtggag	tggtg---gt	gtaatgtagt	gta-gtggta
6 Bream	-----	-----	---ccc---	-----aga	a-----	-----gacac	ggagctg---	-----	-----	-----	-----
7 Pig_mRNA	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	890	900	910	920	930	940	950	960	970	980	990
1 Cattle	ctgcaaaa---	-----tctc	tgtttatatt	tacctattta	tgctgattgt	tgctggccca	gtggatctga	atgagaacag	cgagcagaag	gaaaatgtgg	aaaaagaggg
2 Cattle2	ctgcaaaa---	-----tctc	tgtttatatt	tacctattta	tgctgattgt	tgctggccca	gtggatctga	atgagaacag	cgagcagaag	gaaaatgtgg	aaaaagaggg
3 Chicken	atgcaaaaagc	tagcagctcta	tgtttatatt	tacctgttca	tgccagatcgc	ggttgatccg	gtggctctgg	atggcagtag	tccagcccaca	gagaacgctg	aaaaagacgg
4 Human	ctgcaaac---	-----tctg	tgtttatatt	tacctgttta	tgctgattgt	tgctggccca	gtggatctaa	atgagaacag	tgagcaaaaa	gaaaatgtgg	aaaaagaggg
5 Catfish	gtg-----	tagtggta--	-gttgagcgg	tag-tgta-a	tgtag--tgt	ag-tggt--a	gtgtaa-tgt	a-gtgtagtg	-gagcggtag	tgta--gtgg	tagtggagcg
6 Bream	-tgc-----	--gca-----	-----	-acc-----	tgc-ga----	---ggtccg	g-----	-----	-cagc-----	-aga----tc	aaaa-----
7 Pig_mRNA	--gcaaaa---	-----tcta	tgtttatatt	tacctgttta	tgctgattgt	tgctggccca	gtggatctga	atgagaacag	cgagcaaaaag	gaaaatgtgg	aaaaagaggg
	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100
1 Cattle	gctgtgtaat	gcatgtttgt	ggagggaaaa	cactacatcc	tcaagactag	aagccataaa	aatccaaatc	ctcagtaaac	ttcgcctgga	aacagctcct	aacatcagca
2 Cattle2	gctgtgtaat	gcatgtttgt	ggagggaaaa	cactacatcc	tcaagactag	aagccataaa	aatccaaatc	ctcagtaaac	ttcgcctgga	aacagctcct	aacatcagca
3 Chicken	actgtgcaat	gcttgtaact	ggagacagaa	tacaaaatcc	tccagaatag	aagccataaa	aatccaaatc	ctcagcaaac	ttcgcctgga	acaagcacct	aacatcagca
4 Human	gctgtgtaat	gcatgttact	ggagacaaaa	cactaaatct	tcaagaatag	aagccattaa	gatacaaatc	ctcagtaaac	ttcgtctgga	aacagctcct	aacatcagca
5 Catfish	gtgtgtgtaat	gta-----gt	ggag-----	-----tgg	t--ag--tgg	a-gcggtagt	gt-----aat-	-----gtag--	-tggagtggg	agtgg-----	---agcggta
6 Bream	-----ccat	gc-----	-----	-----	---gattaa	acgccataaa	gtctcagatt	ctgagcaaac	tgccaatgaa	agaggctcca	aatatcagcc
7 Pig_mRNA	gctgtgtaat	gcatgtatgt	ggagacaaaa	cactaaatct	tcaagactag	aagccataaa	aatccaaatc	ctcagtaaac	ttcgcctgga	aacagctcct	aacatcagca
	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200	1210
1 Cattle	aagatgctat	cagacaactt	ttgcccagg	ctcctccact	cctggaactg	attgatcagt	tcgatgtcca	gagagatgcc	agcagtgacg	gctccttggg	agacgatgac
2 Cattle2	aagatgctat	cagacaactt	ttgcccagg	ctcctccact	cctggaactg	attgatcagt	tcgatgtcca	gagagatgcc	agcagtgacg	gctccttggg	agacgatgac
3 Chicken	gggacgttat	taagcagctt	ttacccaag	ctcctccact	gcaggaactg	attgatcagt	atgatgtcca	gagggacgac	agtagcgatg	gctccttggg	agacgatgac
4 Human	aagatgttat	agacaactt	ttacccaag	ctcctccact	ccgggaactg	attgatcagt	atgatgtcca	gagggatgac	agcagcgaatg	gctccttggg	agatgacgat
5 Catfish	gtgtagtggg	agtggagcgg	tagtgaatg	-----t	agtggag-tg	gtagtgtagt	g-gtagtga	gtggtagt--	-ggagcggta	g-----tgta	--atgtagt
6 Bream	gggacatcgt	gaagcagctc	ctgcccagg	cgccgcccgt	gcagcagctt	ctcgaccagt	acgacgtgct	gggagacgac	aacagggatg	tggttatgga	ggaggacgat
7 Pig_mRNA	aagatgctat	aagacaactt	ttgcccagg	ctcctccact	ccgggaactg	attgatcagt	acgatgtcca	gagagatgac	agcagtgatg	gctccttggg	agatgatgat
	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320
1 Cattle	taccacgcca	ggacggaaac	ggtcattacc	atgcccacgg	agtgtgagta	gt---cctgc	tggtgcaga-	--gcaacgac	tctgctgact	gctgttctag	tgttcatgag
2 Cattle2	taccacgcca	ggacggaaac	ggtcattacc	atgcccacgg	agtgtgagta	gt---cctgc	tggtgcaga-	--gcaacgac	tctgctgact	gctgttctag	tgttcatgag
3 Chicken	tatcatgcca	caaccgagac	gattatcaca	atgcctacgg	agtgtgaagta	acaaccctgc	tgctttcgtc	tcgcaccg-c	tcccttgaga	gttgcctctg	tgctgtagag
4 Human	tatcagccta	caaccggaac	aatcattacc	atgcc-----	-----	-----	-----	-----	-----	-----	-----
5 Catfish	tag--tggtg	g--tggag-c	ggtagtga	gtg-----g	agtggtagt-	ggag---tgg	tagtggag--	tggtg-----	-----gtgt	aatgt---ag	tgtagttg-g
6 Bream	gagcagccta	tcacggagac	gattat-----	-----	-----	-----	-----	-----	-----ga	-----	-----
7 Pig_mRNA	tatcagccta	cgacggaaac	gattcattacc	atgcctac--	-----	-----	-----	-----	-----aga	gt-----	-----