

	3970	3980	3990	4000	4010	4020	4030	4040	4050	4060	4070
1 Cattle	atgaaacact	ctcttgatac	tttgactttg	catgaggatt	taaaagaaaa	a---aagtta	tactatggtc	cttaagtttt	tagggaattc	tttggaaattg	aga-atgaaa
2 Cattle2	atgaaacact	ctcttgatac	tttgactttg	catgaggatt	taaaagaaaa	a---aagtta	tacctatggtc	cttaagtttt	tagggaattc	tttggaaattg	aga-atgaaa
3 Chicken	gtgaggcact	gattggaaaa	tgttttggta	c-ttatcaat	ggatgggtact	attgaagtta	caccat--tt	ccaaacttga	gagcaaatac	tgcttagcgc	aaagatactt
4 Human											
5 Catfish	ataaa--act	gagagga---	tgccaaaata	aataaataaa	taaataaata	aataaagctg	ttc-a-gttc	actaaagagt	ttg--aaggc	agttttatat	atatat-ata
6 Bream	---ggca--	-----	-gtttat---	c-tcatca--	-----gta--	-----	-----	---aac---	-----gtac	ag-----	-aag-----
7 Pig_mRNA											
	4080	4090	4100	4110	4120	4130	4140	4150	4160	4170	4180
1 Cattle	tataaaatgc	tttccattga	tgtgctacat	gattatatac	ataaaaacat	gaagtcttca	cagtggattc	tagtacacac	ccaaca--ac	acattttttc	ccc---caga
2 Cattle2	tataaaatgc	tttccgttga	tgtgctacat	gattatataa	ataaaaacat	gaagtcttca	cagtggattc	tagtactcac	ccaaca--ac	acattttttc	ccc---caga
3 Chicken	tgcataaaga	aatagaagc	aattcaac-t	cttccctctga	taagaaattt	gctttagata	gogttgaaag	gatttttcat	tcaacacaag	aaaatttctc	cctattctgc
4 Human											
5 Catfish	tatata----	-----tata	tata-tatat	atatatata	atatatata	-atatata	-----ta	ta-tatatat	---ata-aag	acagtt----	---atacagg
6 Bream	tgcataatga	atata-----	-----ac-t	-----	---gaa---	gc-----at-	-ccttg----	-----	-----caag	acaatt----	-----
7 Pig_mRNA											
	4190	4200	4210	4220	4230	4240	4250	4260	4270	4280	4290
1 Cattle	ag--agtgc	caatt-tg--	--ttaaatt	cttt-tgctt	aataaagcag	aaaaatgaac	tctacaagtt	ataattaaaa	taaaatgctt	ttacttatag	aaat-taact
2 Cattle2	ag--agtgc	caatt-tg--	--ttaaatt	cttt-tgctt	aataaagcag	aaaaatgaac	tctacaagtt	ataattaaaa	taaaatgctt	ttacttatag	aaat-taact
3 Chicken	atgcattttc	cattactgac	aatgaaaatt	gtttatgttt	atgaaatccta	aatgtgccac	ccttttaata	agtgcacagaa	cgaaatagttc	ctcctactag	aaatgtttga
4 Human											
5 Catfish	tggaacttga-	----gggag	a-tgcaaa--	cttt----tg	aacaa-----	-----	-cttc---tt	tttttccaa-	--aaatgatt	---attatta	atatctaacc
6 Bream	-----	-atttct---	-----aaaa--	-----	-----	-----gtcca-	-----	---g-----	-----gt--	cttcta--ag	aaa-----a
7 Pig_mRNA											
	4300	4310	4320	4330	4340	4350	4360	4370	4380	4390	4400
1 Cattle	agata-tatg	ttcagggtta	tatactatta	aatatacta-	tatttaagat	c-tctcatga	taaatatggt	ccttggttta	ta-ga-ctat	tg---atgca	--ctgatgta
2 Cattle2	atata-tatg	ttcagggtta	tatactatta	aatatacta-	tatttaagat	c-tctcatga	taaatatggt	ccttggttta	ta-ga-ctat	tg---atgca	--ctgatgta
3 Chicken	ataca-taaa	ttttgcttga	tacaataa-a	tgcatcatag	tgataaagag	cataaaaata	cttgctggtt	ccttctgtaa	gatga-acat	aaacaaatcca	aaactgtacca
4 Human											
5 Catfish	atacactctg	accatttttc	t-tacttgtg	---atgatgg	aaacaatggac	tcgagcatga	gaaa--cgac	ccgtctttta	tgttttcctt	agtgcatgca	agctgttgc-
6 Bream	--aca-t---	----g-ttg-	-----	-----	-----gag	-----	-----	---tctgt--	-----	-----	---tttccga
7 Pig_mRNA											
	4410	4420	4430	4440	4450	4460	4470	4480	4490	4500	4510
1 Cattle	tatg---tgg	a----ttact	ttgtgaatta	cccc---tgg	taa---aatt	aaaa----at	ttcaggctag	ttaa----ct	tgtactactt	agctattttc	tgaactgtct
2 Cattle2	tatg---tgg	a----ttact	ttgtgaatta	cccc---tgg	taa---aatt	aaaa----at	ttcaggctag	ttaa----ct	tgtactactt	agctattttc	tgaactgtct
3 Chicken	gctgaaactgc	agcattttccc	ttcttgcttc	cccccaattgc	taagtcattct	acaaccacag	ctgaaacttac	tgaaacagct	caaacaccca	agaaattt-c	tgcttttaaa
4 Human											
5 Catfish	tctcagctgt	atctgttacg	ttgtgaaccg	tcccg--tgt	taattcaa-t	acatctctat	atctttgtaa	ataaac-gct	-atttaacct	gtaattggta	ggagttttca
6 Bream	g-----	-----gctt-	-----ttac	t---tcagct	-----	-----	-tg---tag	tg---cag--	-----	aga-----	ggcttt----
7 Pig_mRNA	gctgaa----	-----tccc	tt-----	-----	-----	-----	-----	-----	-----	-----	----tta--
	4520	4530	4540	4550	4560	4570	4580	4590	4600	4610	4620
1 Cattle	tactgttctt	taa-caggag	tttaacttagg	taatgtcaac	taatttaata	taaagtcaaa	cagaaaataa	tgccattatat	att-ataaaa	attaa-----	--taaa---a
2 Cattle2	tactgttctt	taa-caggag	tttaacttagg	taatgtcaac	taatttaata	taaagtcaaa	cagaaaataa	tgccattatat	att-ataaaa	attaa-----	--taaa---a
3 Chicken	taaagcacta	agatcataat	tttgctt--t	tactgctaca	caattgatca	ttctgtgtaa	gtagctatga	ggatatttaa	cttcatagca	gtgaagtgca	ggtgaaaaga
4 Human											
5 Catfish	-atcgtt---	---tcagaat	ggacgattcg	ta-----c	ctgtttatta	ttcagt--aa	gttggttatag	ag-----t	att-----	gtgaggagt-	-gtgagactt
6 Bream	----gca--g	ag-tca----	---gc-----	-----agg	cggttaaaca	ttcc-----	-----tgc	g---tctca	ct-----	-----gct	ggagaagcga
7 Pig_mRNA										--gaagt---	-----