

Table.1

	hes5.1	hes5.2	hes5.3	hes5.4	hes5.5	hes5.6	hes5.8	hes5.9	hes5.10
D areher4.4	41.96%	40.82%	37.68%	37.41%	35.46%	34.33%	36.88%	28.89%	31.25%
D areher4.3	41.96%	40.82%	38.41%	37.41%	35.46%	34.33%	36.88%	28.89%	31.25%
D areher4.2ENSD ARP00000094981	41.96%	40.82%	37.68%	37.41%	32.91%	31.79%	36.88%	28.89%	31.25%
D areher4.2ENSD ARP00000141050	41.96%	40.82%	37.68%	37.41%	32.91%	31.79%	36.88%	28.89%	31.25%
D areher4.1	41.96%	40.82%	37.68%	37.41%	35.46%	34.33%	36.88%	28.89%	31.25%
D areher2	51.46%	53.27%	48.49%	54.55%	39.17%	43.48%	47.57%	33.88%	45.61%
D areher15.2	47.18%	44.60%	39.58%	41.43%	36.84%	38.52%	40.74%	38.51%	37.58%
D areher15.1	45.51%	42.04%	39.58%	42.14%	36.84%	35.76%	40.00%	37.84%	37.58%
D areher12	47.22%	44.37%	41.89%	41.73%	40.76%	37.82%	45.52%	36.71%	40.12%

Table.2

	num ber of exon	prote in size	conserved synteny
hum anhes5	2	166aa	hes5.1
m ousehes5	2	X1 167aa X2 141aa	hes5.1
ch ickenhes5chr21-1	5	161aa	hes5.1
ch ickenhes5chr21-2	3	197aa	hes5.1
ch ickenhes5chr21-3	3	157aa	hes5.1
gekko _apon icushes5sc135-1	2	161aa	hes5.1
gekko _apon icushes5sc135-2	3	157aa	hes5.1
Xenopus tropicalis hes5.1	3	154aa	hes5.1
Xenopus laevis hes5.1L	3	154aa	hes5.1
Xenopus laevis hes5.1S	3	154aa	hes5.1
Xenopus tropicalis hes5.2	3	158aa	hes5.1
Xenopus laevis hes5.2L	3	158aa	hes5.1
Xenopus laevis hes5.2S	3	159aa	hes5.1
Xenopus tropicalis hes5.3	3	160aa	hes5.3
Xenopus laevis hes5.3L	3	183aa	hes5.3
Xenopus laevis hes5.3S	3	164aa	hes5.3
Xenopus tropicalis hes5.4	3	159aa	hes5.3
Xenopus laevis hes5.4L	3	159aa	hes5.3
Xenopus laevis hes5.4S	3	159aa	hes5.3
Xenopus tropicalis hes5.5	3	158aa	hes5.3
Xenopus laevis hes5.5L	3	158aa	hes5.3
Xenopus laevis hes5.5S	3	150aa	hes5.3
Xenopus tropicalis hes5.6	3	148aa	hes5.3
Xenopus laevis hes5.6L	3	156aa	hes5.3
Xenopus laevis hes5.6S	3	156aa	hes5.3
Xenopus laevis hes5.7L	3	154aa	hes5.3
Xenopus laevis hes5.7S	3	X1 155aa,X2 154aa	hes5.3
Xenopus tropicalis hes5.8	4	X1 145aa,X2 141aa	hes5.3
Xenopus laevis hes5.8L	3	140aa	hes5.3
Xenopus laevis hes5.8S	3	149aa	hes5.3
Xenopus tropicalis hes5.9	3	155aa	hes5.3
Xenopus laevis hes5.9L	3	155aa	hes5.3
Xenopus laevis hes5.9S	3	155aa	hes5.3
Xenopus tropicalis hes5.10	3	166aa	hes5.3
Xenopus laevis hes5.10L	3	144aa	hes5.3
Xenopus laevis hes5.10S	3	166aa	hes5.3
coe lacanth hes5sc00319	3	164aa	hes5.1
coe lacanth hes5sc00199	2	135aa	hes5.3
coe lacanth hes5sc00059	2	146aa	around shark Sc221, Xenopus chrom osom e1
coe lacanth hes5sc00001	3	190aa	Xenopus chrom osom e7
zebrafish her4.1	2	152aa	hes5.1?
zebrafish her4.2	2	152aa	hes5.1?
zebrafish her4.3	2	152aa	hes5.1?
zebrafish her4.4	2	152aa	hes5.1?
zebrafish her4.2ENDP...	2	152aa	hes5.1?
zebrafish her12	2	155aa	hes5.1?
zebrafish her2	2	108aa	hes5.3?
zebrafish her15.1	2	149aa	hes5.3?
zebrafish her15.2	2	149aa	hes5.3?
m edaka her4.2	2	166 aa	hes5.1?hes5.3?
m edaka her12	2	145 aa	hes5.1?hes5.3?
spotted gar hes5 LG25-1	2	163aa	hes5.1
spotted gar hes5 LG25-2	3	159aa	hes5.1
spotted gar hes5 LG25-3	2	159aa	hes5.1
spotted gar hes5 LG25-4	2	162aa	hes5.1
e lephant shark hes5 Sc58-1	3	169aa	hes5.3
e lephant shark hes5 Sc58-2	3	169aa	hes5.3
e lephant shark hes5 Sc58-3	3	169aa	hes5.3
e lephant shark hes5 Sc221	8	475aa	around coe lacanth hes5sc00059, Xenopus chrom osom e1