

chr12: 69256540 | 69256550 | 69256560 | 69256570 | 69256580 | 69256590 | 69256600 | 69256610 |  
 ---> TCTGACAGACTTGGCAATGACAAGGGACTGAACCACCTTGCCGTCATGAGACAATGTTACCTCATAGTTATCCACATCTCC

Gap Locations  
 RefSeq Genes



Vertebrate Multiz Alignment & PhastCons Conservation (28 Species)



Gaps

Human	R	V	S	K	A	I	V	L	S	Q	V	V	K	G	D	H	S	L	T	V	E	Y	N	D	V	D	G			
Chimp	R	V	S	K	A	I	V	L	S	Q	V	V	K	G	D	H	S	L	T	V	E	Y	N	D	V	D	G			
Rhesus	R	V	S	K	A	I	V	L	S	Q	V	V	R	G	D	H	S	L	T	V	E	Y	N	D	V	D	G			
Bushbaby	S	V	S	K	A	I	V	L	S	Q	V	V	T	G	H	H	S	L	T	V	V	Y	S	D	V	D	G			
Mouse	S	V	S	K	A	I	I	L	F	Q	D	V	K	G	E	H	S	L	S	V	V	Y	H	D	V	E	G			
Rat	S	V	F	K	A	T	I	L	S	Q	V	V	K	S	D	H	S	L	T	V	V	Y	H	H	V	E	G			
GuineaPig	S	V	S	K	A	I	V	L	S	Q	V	V	K	D	D	H	S	L	T	V	V	Y	N	D	V	D	G			
Rabbit	S	V	S	K	A	I	V	L	S	Q	V	L	M	G	D	H	S	L	A	V	V	Y	N	D	V	D	G			
Shrew	S	V	S	K	A	I	V	L	S	Q	V	V	M	S	G	H	A	L	T	V	V	Y	N	D	V	D	G			
Hedgehog	S	V	S	K	A	I	V	L	S	Q	V	V	R	S	D	H	S	L	T	V	L	Y	N	D	V	D	G			
Dog	S	V	S	K	A	I	V	L	S	Q	V	V	R	N	G	H	T	L	T	V	V	Y	N	D	V	D	G			
Cat	S	V	S	K	A	I	I	L	S	Q	I	V	R	S	G	H	S	L	T	V	V	Y	N	D	V	D	G			
Horse	S	V	S	K	A	I	V	L	S	Q	V	V	S	G	G	H	S	L	R	V	V	Y	N	D	V	D	G			
Cow	G	V	S	K	A	I	V	L	S	Q	V	V	R	G	D	H	S	L	T	V	V	Y	S	D	V	D	G			
Armadillo	S	V	A	K	A	I	V	L	S	Q	V	A	Q	C	-	-	AG	H	S	L	T	V	V	Y	N	D	V	D	G	
Elephant	S	V	S	K	A	I	L	L	S	Q	V	V	K	C	-	-	AG	H	S	L	T	V	V	Y	N	D	V	D	G	
Tenrec	S	V	A	K	A	I	P	P	S	Q	I	F	V	Q	C	-	-	AG	H	S	L	T	V	V	Y	N	H	V	D	G
Opossum	S	T	S	K	A	I	A	L	S	Q	I	I	Q	D	G	H	S	L	T	V	S	Y	S	D	V	D	G			
Platypus	S	A	S	K	P	I	A	L	T	Q	V	V	R	D	N	H	S	L	T	V	L	Y	S	E	V	D	G			
Lizard	S	A	S	K	A	V	T	L	T	H	V	M	Q	G	E	H	S	L	T	I	A	Y	S	D	V	D	G			
Chicken	S	L	S	K	S	I	T	L	T	Q	I	I	Q	D	D	H	S	L	T	V	L	Y	S	D	V	D	G			
Zebrafish	T	S	V	K	S	V	T	L	T	H	V	T	R	E	R	D	R	L	S	V	W	Y	S	D	V	D	G			
Tetraodon	H	Q	T	K	P	V	T	K	N	Q	L	F	A	N	N	H	K	I	F	V	Q	Y	V	D	L	D	G			
Fugu	P	S	S	K	S	V	S	V	I	H	L	T	R	D	H	D	S	L	T	V	L	Y	S	D	V	E	G			
Stickleback	Q	S	S	K	S	V	S	V	T	H	L	T	R	Q	R	D	S	L	T	V	L	Y	G	D	L	E	G			

Human Chained Self Alignments