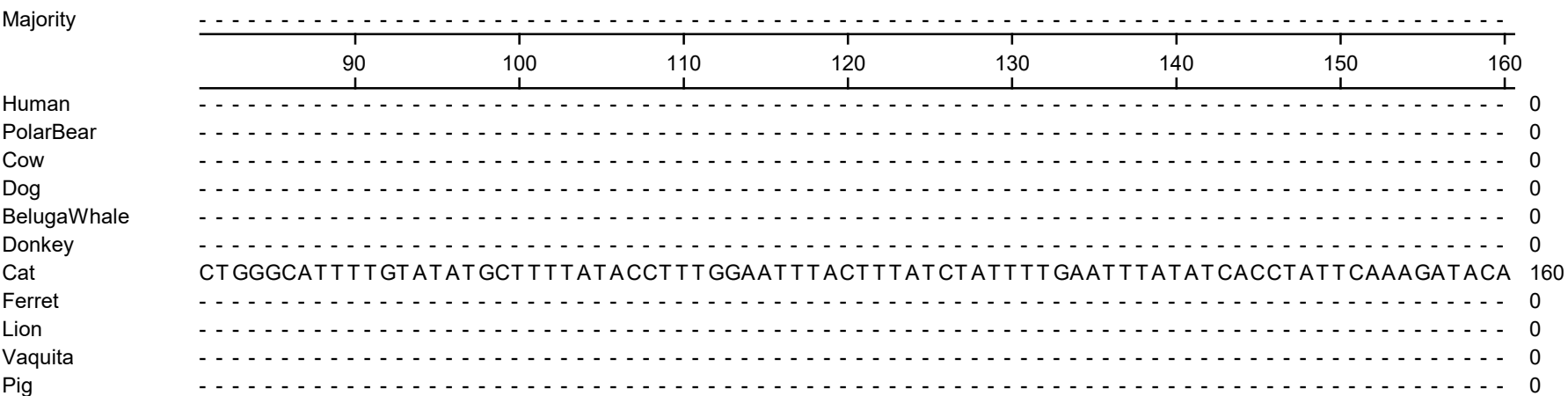
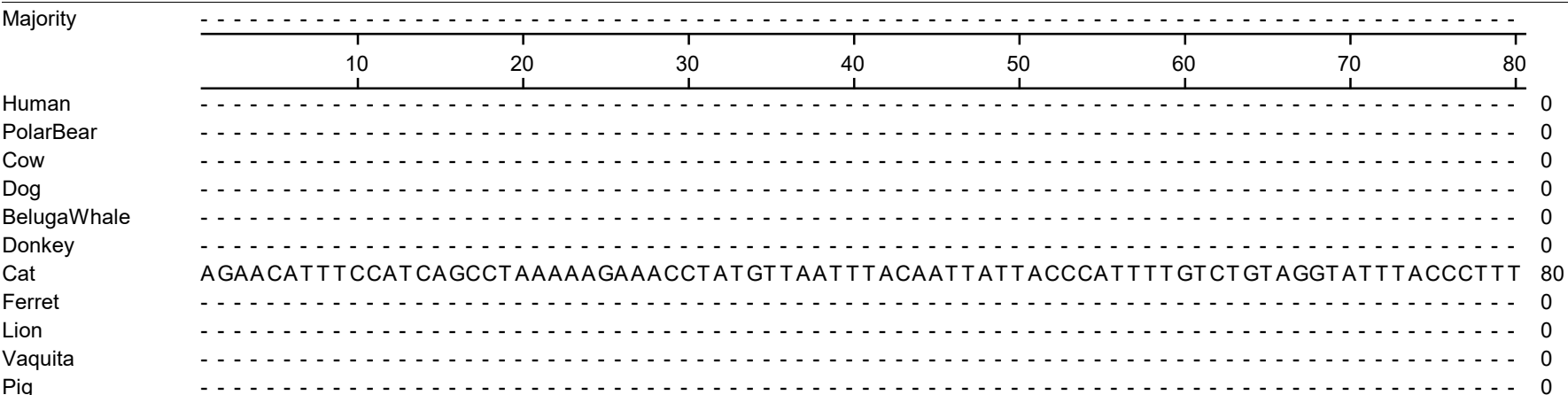


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Majority	810	820	830	840	850	860	870	880	
Human	-----								0
PolarBear	-----								0
Cow	-----								0
Dog	GCCGGCGCGCTCGGCTCTTCCGCCGCCGCGCTGCCGCGCGCTGCCCGTGCGCTCCGGCACCTTCGGCAATTTCCGTC								89
BelugaWhale	-----								0
Donkey	-----								0
Cat	CTAAATTTGTTACCGGTTTCTTGTGCGAGTGAATAACAGTTAATAAGTAAAAGAAGTATGATGATAGCAGTCTTTATTGAA								880
Ferret	-----								0
Lion	-----								0
Vaquita	-----								0
Pig	-----								0

Majority	890	900	910	920	930	940	950	960	
Human	-----								0
PolarBear	-----								0
Cow	-----								0
Dog	GGGCCCCGGCCGCCATTTTCTCGCCGCTTGTGTGTCTCGCTGGCTGCGTGGCTCGGTTCTGTGAGCGAAGCTTTGTC- C								168
BelugaWhale	-----								16
Donkey	-----								0
Cat	TATTTACCATAAACCATCACTGAACTAGAGAGATACTTTACATACATTAAGGCATTTGGACCTCACAACCATCTAGGATG								960
Ferret	-----								19
Lion	-----								0
Vaquita	-----								0
Pig	-----								26

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Majority	----- TTTX- ----- XG- - - XTX- - XC- TX- - G- X-																								
	970	980	990	1000	1010	1020	1030	1040																	
Human	-----								0																
PolarBear	-----								0																
Cow	----- GACTTAGAGTTCTGCTTTACATACGTTAGGACT								33																
Dog	GGTT	CGGCAAT	GGA- - -	CGGGT	ACGT	AGT	GCGGCCGGCGAGGAGGT	GT	GT	GAGCGGGGCGCCGGGCCGT	CCT	GCCGCC	244												
BelugaWhale	AGTGT	CACACAGCT	ACTAAAT	GAAAAGAGCT	CAAATTT	GAACCCAGT	CTTTAAT	CAGCAT	GCTTTT	GT	GAT	ATACATT	96												
Donkey	-----								0																
Cat	AAGT	CCCT	ATTTT	AAATCCCT	TTTTT	CATTTTT	CAGTAATAAAT	CCCAT	ATTTT	CAGTAACAGAACT	TTTTT	CCTGGAGGAG	1040												
Ferret	AGTCTT	GCACTTTA-	- - -	TTAGGAG	AAAAAGCAAA-	GAAAAAT	GT	GT	TTTTT	GT	GAAT	ATTGTA	ACTTC-	TTTT	GGCGCCT	93									
Lion	----- TTTTCAGTAACAGAACTTTTTTCTGGAGGAG								32																
Vaquita	-----								0																
Pig	TTGT	GAT	GT	GT	GT	GCAT	CAGCCT	CACT	CCT	GACT	CT	AT	GCT	GT	AT	TTT	GT	CCT	TTT	GT	CT	CTT	CCCCTT	CATTTCA	106

Majority	T- - - - XA- X- X- XCT- - - G- X- CX- XG- TX- X- X- T- - XX- - - - TXXXXTTTTXAAXTAGXA- TTXTTXAAXTXCXTTTT																	
	1050	1060	1070	1080	1090	1100	1110	1120										
Human	-----								0									
PolarBear	-----								0									
Cow	TTTA	AGGT	CAGT	CAT	CTGGGAT	GAAGGT	CTT	ATTTTT	TAA- - - - -	TCCCAT	TTTTT	ACTT	ACAGT	AGAGGAAAT	CCCATTA	107		
Dog	GGG	CGGGGT	CGGC	GGGG	ACCCCG	CGGGCGG	CCCT	CCAG-	GGCCGGG	CT	GCCGT	TACCCA	ACCCCG	CCCCAT	CGCA	322		
BelugaWhale	TGC	ATTAGCCT	CACT	CCT	GACT	CCAT	GTT	GT	ATTTT	ATC	TTTT	GTTTT	ATTT	CCT	TTTT	TATATT-	CACTTT	175
Donkey	-----								0									
Cat	TTAGT	GAACATA	CCCTAAT	GT	CACACAGCT	GCTAAAT	GAAAAGAGCT	CAAAT	CTGAAACT	AGTTTTT	GAT	CAACAT	GT	TTTTT	1120			
Ferret	ACG	GACAGGCCT	CCCCT	CATA	AAGAT	AGTTT	GT	CTTT	GCCAAT	AGAT	CGAT	ATT	GATT	GAGT	CAAT	GTGGAGAAT	ACAGAA	173
Lion	TTAGT	GAACATA	CCCTAAT	GT	CACACAGCT	GCTAAAT	GAAAAGAGCT	CAAAT	CTGAAACT	AGTTTTT	AAAT	CAACAT	GT	TTTTT	112			
Vaquita	----- TTTGTTTTATTTCTTATTTCACTTTTTATATTTCACTTT								39									
Pig	TCT	AGT	ACTTT	TAT	GTAAAGA	ACCT	TAGCT	TTTTT	CTAGAAAG	AGAT	GAGGTT	AAATA	AAGT	AGGCAT	GGAGTT	CCCGT	CG	186

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Majority	- - - - ATATTGATTXXTAAA- - XX- XCCXTTGAXTXXTT- - XTXGXAAGTGTTGG- GCATAXXTCTTC- AAG- - - XT- - TG								
	1130	1140	1150	1160	1170	1180	1190	1200	
Human	-----								0
PolarBear	-----								0
Cow	- - - - ACATCAGTTAATGAAACTTTTTCTTGGAGAGGTTAATGAACATGTCTAGTGT CACACATCTACTAAATGAAA- AGA								182
Dog	C- - - ACACCCCTCCCTCCG- - CTTCCCCGGCGGCTCCGCTCGGGAACCGGGGAAGAAAGCGGGCTCGGAGGCCGGGGCG								397
BelugaWhale	TTGTGTCTTGACTTGTAAG- - - AACCTTAAATCTTTT- CTAGAAAGTGGTGGGGTTAAATAAGC- AAGCATAT- - TG								247
Donkey	-----								0
Cat	GTG- ATATACATTGCTACA- - TTAGCCTCTTTTTGACTCCATGTTATATTTTTGTCCATTTGTCTTACTCCTTCTTATTT								1197
Ferret	A- - - ATTATGCTAGAGTTC- - TTGCCCTTTGGGAGCTCACATATTAATTGTTGAAGGAAAATACATGTACAAAATCACAA								248
Lion	GTG- ATATACATTGTTACA- - TTAGCCTCTTTTTGACTCCATGTTATATTTTTGTCCATTTGTCTTACTCC- - TTATTT								186
Vaquita	TTGTGTCTTGACTTGTAAG- - - AACCTTAAATCTTT- - CTAGAAAGTGGTGGGGTTAAATAAGC- AAGCATAT- - TG								110
Pig	TGGCGCAGTGGTTAACGAA- - TCCGACTAGGAACCATGAGGTGGCGGGTTCGGT- CCCTGCCCTTGCTCAGTGGGTAAAG								263

Majority	GCT- TTGXTTTTTTGTXXTCTATXGTATAXGTXGXGGCXXTXGAAGXGXTTTTTGXXTTTTTGTGAXXXXX- - ATGGTCXT								
	1210	1220	1230	1240	1250	1260	1270	1280	
Human	-----								0
PolarBear	-----								0
Cow	GCTCTGATTTGAATCCAATCTTTAAT- CACCATGCTTTTGTGATATAGTTGTTGCATTAGTCTCACTTC- - - - TGGTTCT								257
Dog	GCGGCGGGGCTGCGGGGGGCGACGGCGCGAGCGGCGGCCCGGGGGTGGGGTGGGGGCCCGC- - GGCGGCGGCCCG								475
BelugaWhale	ACTATTGTTTGTGTGTAGTCTTGTGCTTTATTAGGAGAAAAAGAAAGGAAAATGTGTTTTTGTGAGTATTATTTTTCTT								327
Donkey	----- TTGTGATATACGTTGTTGCACTAGCCTTTTTCTGATTCCATGTTATATT- - - - TTGTCT								57
Cat	GACTTTGATATTTTCGTCTAGTATTTTATATGTCTTGACTTGTAAGAAGCTTTAAATCTTTCTAGAAAGTGGAGGGTTTA								1277
Ferret	ATAGGTGAAAAGTGAATTAATGGCATATAAAGGGCCCTTATGTATTGTTAAGTCAATGGTGAA- - GGCAAAGGGAAG								326
Lion	GACTTTGACATTTTGTCTAGTATTTTATATGTCTTGACTTGTAAGAAGCTTTAAATCTTTCTAGAAAGTGGAGGGTTTA								266
Vaquita	ACTATTGTTTGTGTGTAGTCTTTTGTGCTTTATTAGGAGAAAAAGAAAGAAAATGTGTTTTTGTGAGTATTATTTTTCTT								190
Pig	GATCCGGCGTTGCCGTGAGCTGTGGTGTAGGTTGCAGACACGGCTGGGATCCTGCGTTGCTGTGGCTCTGGCGTAGGCCG								343

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Majority	XTG- - - - X- X- - CXTGATAATTCTTTGTTTGT- - - CTTXATXTAT- TXACGAGCT- - - - - GCTTXAGXCATGXT	
		1290 1300 1310 1320 1330 1340 1350 1360
Human	-----	0
PolarBear	-----	0
Cow	ATG- TTGTATCACCCCTTTTATTTCTTTATTTCA- - - CTTTATATATTTTACCTACT- - - - - ACTTTTTGTGTCTT	323
Dog	GCCCTGCCCCCTCCGGGAGCCATTTCCATCCGA- GAGCCGGACCCGGGCCCCGGGCGGCCGCGCCGGGCGGGAGCGAGGCC	554
BelugaWhale	TTG- - - - - CCTCCTAAGGCCAGGTTTGT- - - CCCCATGCA- - - ACAGTTT- - - - - GTTTTTGCCAGGAT	380
Donkey	TTT- - - G- - - - TTTTATTCTTTCTTATTTCA- - - CTTTATTTCTTTACCTAGT- - - - - ACTTTATGTGTCTT	115
Cat	AATAACAATCATATTGACTATTATTTGTTTCAT- ACTCTTGACTTTATTAGGAGAA- - AAAATAGAGAAAAACGTGGT	1353
Ferret	GCAAAGGGAAGGCAAAGGGAATATATATATAT- ATTTTTTTTATATCTCAGTAACA- - - - - CAATTTATTTTATTTG	398
Lion	AATAACAATCATATTGACTATTATTTGTTTCAT- ACTCTTGACTTTATTAGGAGAA- - AAAATAGAGAAAAACGTGGT	342
Vaquita	TTG- - - - - CCTCCTAAGGCCAGGTTTGC- - - CCCCATGCA- - - ACAGTTT- - - - - GTTTTTGCCAGGAT	243
Pig	GTGGCTACAGCTCCGATTCAACCCTGGCCTGGGAACCTCCATATGCCTCCGGAGCG- - - - - GCCCAAGAAATAGC	414

Majority	TATG- - AAGATXAAAAXAXTTAAXXTATTTAAGXXAATXACGXGAC- - CAAAXAAXXAXGCXATATTXACTXCTGTTTG	
		1370 1380 1390 1400 1410 1420 1430 1440
Human	-----	0
PolarBear	-----	0
Cow	GACT- - - - TATAAAGAACTTAAATGTTTTCTAGAAAGTGATGGGTC- - TAAATAAGCAAGC- AACTGACTATTGTCTG	396
Dog	TGTGGGGGGCGGCCGGGGGAGACGAGAGGGGAGGCAACGGCGTGACCCCCGGCCGCCCCCCCCCCCCCCCG- GTC	633
BelugaWhale	AAAG- CAAGAGCTAATCAATCAACATTGGTTGAGTCATTGTGGGGAGTACAAAGAATTATGCTAGAGTTCCTGCCCTTG	459
Donkey	- - - - - GTAACAATCTTAAATCTTTCTAGAAAGTGATGGGTT- - TAAATAAAACAAGCATACTGACTACTGTTTG	184
Cat	TTTGTGAATATTATAACATCTTTTGCCATTTAAGG- ACAAGCTTCCCCTCATGGAGACAGTTTGTCTTTGACCATGCATC	1432
Ferret	TTTTTACAGATTTTCGGGTTTTTTTTAATTCAATTAATTAACATAATGTATTATTGGTTTCAGAGGTAGAGGTGAGT	478
Lion	TTTGTGAATATTATAATATCTTTTGCCATTTAAGG- ACAAGCTTCCC- TCATGGAGACAGTTTGTCTTTGACCATCAATC	420
Vaquita	AAAG- CAAGAGCTAATCAATCAACATTGGTTGAGTCAATTTGGGGAATACAAAGAAGTATGCTAGAGTTCCTGCCCTTG	322
Pig	AACAACAACAACAAAAGACCAAAAAAAAAAAAAAAAAAAAAATAATAAATAAATAAGTAGGC- ATATTGACTATTGTTTG	493

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Majority	T- - - - GGTCTTATACATTXTGTAGAAGAXAGAAAAATAXAAXCGCGTTTTCTGTXAATAGGCTACTTTGXT- - - - - T	
	1450 1460 1470 1480 1490 1500 1510 1520	
Human	-----	0
PolarBear	-----	0
Cow	TCCGTAGTCTTGTA- TTTTATTAGGAGAAAAAAAAAAGAAAAACACGTTTTTGTGAATATTATAGTTTGGTCTTGGT- - - T	472
Dog	CCTCCGGCCTCCCGGGCCTCCGGCCTCCGCGGCCCGCCCGGCCTCCCTCCCCTCCCGGCCCGCCCGCCCGCCCGGT	713
BelugaWhale	G- - - - GAGCTTACATATTTAATTGTTGAGTGA- AAATACATGTACAAAACCACAAACGGGCTTCCCTGGT- - - GGC- - - A	528
Donkey	TTTCTAATCTTGTACTTTATTAGGAGAAAAAAAAATAAGAAAACGTGTTTTTGTGAATACTATAAATTC- - - - -	252
Cat	AATATTGATTGAGTCAATATGGAGAATATAGAAAATTATGCTAGAGTTCCTGTCTTTGGGAGCTTACATATTTAA- - - T	1509
Ferret	TCATCGGTCTTATATGATATGCGGCGCTCATTACATCATGAGCCCTCCTTAATATCCA- - TCACCCAGGTAGCCCA- - - T	553
Lion	AATATCGATTGAGTCAATATGGAGAATACAGAAAATTATGCTAGAGTTCCTGTCTTTGGGAGCTTACATATTTAA- - - T	497
Vaquita	G- - - - GAGCTTACATATTTCAATTGTTGAGTGA- AAATACATGTACAAAACCACAAACGGGCTTCCCTGGT- - - GGC- - - A	391
Pig	T- - - - AGTGTGTACTTTTACTAGGAGAATAAGAAAGAAAAACGTGTTTTTGTGACTACTCTAATTTG- - - - -	557

Majority	X- - XGX- - XA- X- - - - TTX- C- X- - CCGCCACCTXAGGACAGGTTTTCTTG- CX- TXAXXGGGCAGTTTTXTATGCCAA	
	1530 1540 1550 1560 1570 1580 1590 1600	
Human	-----	0
PolarBear	-----	0
Cow	AACAGGATAAATTTTGTGTTGTTTGTGTTGACACCTAAGGACAGGTTTCTTT- - - - TGGTGGAGCAGTTTGTCTTTGCCAA	548
Dog	CCCCGGCCTCCCGGCTCCCCCGGCTCCCCCGGCTCCCCCGGCTCCCCCGGCCTCCGCGGCCTGCCTCCCCCTCCG-	792
BelugaWhale	CAGTGGTTGAGA- - - GTCCGCCTG- - CCGATGCAGGGGACACGGGTTCGTGCCCGGTCCGGGAGGCTCCCACATGCCGC	603
Donkey	----- T- - - - TTTGCCACCTAAGGACAGTTTTCTTT- - - - CATGGAACAGTTTGTCTTTGCCAA	303
Cat	TGTTGAGGGAAAATACATGTACAACACCACAAATATATGAAAAGTGATAGGACTGATAATGGGTCTTTTATATATTGTAA	1589
Ferret	CCCCACCTCCCTCCCCTCCAGCAACCCTCAGTTTGTCTCCTGGGATTAAGAGTATTTCTTGTTTTATTTTTTCTCTC-	632
Lion	TGTTGAGGGAAA- TACATGTACAAAACCACAAATATATGAAAAGTGATAGGACTGATAATGGGTCTTTTATATATTGTAA	576
Vaquita	CAGTGGTTGAGA- - - GTCCGCCTG- - CCGATGCAGGGCACACGGGTTCGTGCCCGGTCCGGGAGGCTCCCACATGCCGC	466
Pig	----- TT- - - - - TTGCCACCTAAGGACAGGCTTCTTTCCCTTCATGGAACAGTTTGTCTTTGCCAA	613

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Majority	GXCAAAGCTGGAGCCAATGAXTCAXTXX- AAXTGAGTCTXTGXXG- GX- - - XATATGGAGXXTTACGGXAGAG- - - TXCC								
	1610	1620	1630	1640	1650	1660	1670	1680	
Human	-----								0
PolarBear	-----								0
Cow	GATAAAACAAGAGCTAATGAATCAACATTGATTGAGTCACTGTGGGGG- - - AATACAGAGAATTATGATAGAG- - - TTCC								622
Dog	GCCGCCCGGCCCGCCCTGGCTGGGGGAGATGCCGGTGGCGGGAGCGGGGGGTGGGGGGCGGGGAGGCCGAGCGGGCGGC								872
BelugaWhale	GGAGCGGCTAG- GCGTGTGAGCCATGGC- TGCTGAGCCTGCGCGTCCGGAGCCTGTGCTCCGCAACGGGAGAG- - - GCCA								678
Donkey	GATAAAGCAGGAGCCAATCAATCAATATTGATTGAGTCCATGCTG- GG- - - AATACAGAGAATTATGTTAGAG- - - TTCC								376
Cat	GTCAATGGTGAAGGCAAAGACATTGTTGGAATAGATTTTTTAA- - - AATATTTATTTATTTTGAATGAGAGAGCGAGA								1666
Ferret	TTCCCCTATGATCCTCTGTTTTGTTTCTTAAATTCCACATGTCAGTGAGATCATATGATATTTGGCTTTCTCAGATTGAC								712
Lion	GTCAATGGTGAAGGCAAAGGCATTGTTGGAATAGATTTTTTTTTTAAATATTTATTTATTTTGAAGGAGAG- - - - - A								650
Vaquita	GGGGCGGCTAG- GCGCGT GAGCCATGGC- TGCTGAGCCT- - - - - GTGCTGCGCAACGGGAGAG- - - GCCA								526
Pig	AATAAAGCAAGAGCTAATCAATCAA- - - - AATTGACTCAATATGGGG- - - AATACAAAGGATGACGCTAGAA- - - TTGC								682

Majority	XAXCGATXGGXAGCAXACXTATGTAATAATAGAATXAAAAXAC- - - - - GTXCAAAGCCACAAACACGTGAAAAG								
	1690	1700	1710	1720	1730	1740	1750	1760	
Human	-----								0
PolarBear	-----								0
Cow	TGGCCTTTGG- AGCTTACATATGTAATTGTTGAGTGAAAATACC- - T- - - - - GTTCAAACCCACAAACGTTTGAAGAG								692
Dog	GGGAGGAAGGGGAAGGCAGATGTCACTACTCTTTGTTTTCACTGGAGTCTGGTGGTGGGGGGGG- - - - AGACCGAAAAG								948
BelugaWhale	CAACAATGAGAGGCCCGCGTACCGCAAAAAAAAAAAAAAAAA- - - - - GCCACAAACACGTGAAAAG								736
Donkey	TGCCCTTTGGGAGCTTACATATTTAATTGTTGAGTGAAAATACA- - - - - TGTACAAAACCACAAATACATGAAAAG								447
Cat	GAGAGAGAGACAGAACACGAGCGGGG- AAGAGCAGAGAGAGAGGGAGACACAGAATTCAAAGCAGGGTCCAGGCTCTGGG								1745
Ferret	ATATTTCTGTTTTTATAAACAACACTCTTTTGTCCCTTTTGTTCATCCTCAT- TGTTGCAAATGGCAA- - - - ATTTCATTTT								787
Lion	GAGAGAGAGACAGAACACGAGGGGGGGAAGAGCAGAGAGAGAG- - AGACACAGAATTCAAAGCAGGATCCAGGCTCTGGG								728
Vaquita	CAACGATGAGAGGCCCGCGTACCGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGGCACAAACACGTGAAAAG								606
Pig	TAACCTTTGGGAGCTTCCATATTTAATTCTTGAGTGAAAATACA- - G- - - - - GGACAAAGCCACAAATGCGTGAACAG								753

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Majority	AGTGCTTTGAAGAGTTCT- - - - - ATTTGGACAAGATGCTCTATAAGGTTT- GTCCAACTTAAAAA- TAATATAAT								
	1930	1940	1950	1960	1970	1980	1990	2000	
Human	-----								0
PolarBear	-----								0
Cow	AGTGCTCTGAAGAGTTCT- - - - - ATTTGGACCAGATGTTCTATAAGTTTT- GTTCAAGTTAAAAA- CAATGTAAT								918
Dog	CCCACCCAGGGCCGTTTTTTTTTAAAGTCACTTTGACCAGTTTCTGGACAAACAAA- AAACAAGTCAAAA- - GACAAAAA								1182
BelugaWhale	AGTGCTTTGAAGAGTTCT- - - - - ATTTGGACAAGATGCTCTATAAGGTTT- GCCCAAGTTAAAAA- TAATATAAT								944
Donkey	AGTGCTTTGAAAAGTTCTATAACAAAATATTTGGACAAGATGCTCTTTTCAGTTTTTGTCCAAGTTCAAAAATTATATAAT								668
Cat	TATACTTTTAAGAGTTCTATAG- AAAATATTTGGACAAGATGCTCTTTAAGGTCT- GTCCACCTTAAAAA- TAGTATTAT								1980
Ferret	TGTGCTTTGAATAGTTCCATAGCAAAAATATTTGGACAAGATGCTCTTTAAGGTTT- TTCCACCTTAAAAA- TAATATAAT								1022
Lion	TATACTTTTAAGAGTTCTATAGCAAAAATATTTGGACAAGATGCTCTTTAAGGTCT- GTCCACCTTAAAAA- TAGTATTAT								964
Vaquita	AGTGCTTTGAAGAGTTCT- - - - - ATTTGGACAAGATGCTCTATAAGGTTT- GCCCAAGTTAAAAA- TAATATAAT								814
Pig	AGGGCTTTGAAGAGTTCC- - - - - ATTTGGCCAAGATGCTCTACAAGGTCT- GCCCAACTGAAAAATAACATAAT								909

Majority	TTTATGAATXATACAGAAAGTACCATTTAGTACAGTGAAATTCCAAXTAXTAAAXGGGTAAAGAGGTTTGCATGAAGGAGA								
	2010	2020	2030	2040	2050	2060	2070	2080	
Human	-----								0
PolarBear	-----								0
Cow	TTTATGAATCAT- - - - AAAGTAT- ATTTAGTACAGTGAAATTCCAATAGTAAATGGATAAGAGATTTGTATGAAGGAGA								993
Dog	CAAAAAACAAAAACCACCCGAGCCGGAACCGTGCGGCGACTCTGAAAGGCCGAGGAGGCGCAGTGCCGCTG								1262
BelugaWhale	TTTATGAATCATACAGAAAGTACCATTTAGTACAGTGAAATTCCAATAGTAAAACGATAAGAGGTTTGTATGCAGAAGA								1024
Donkey	TTTATTAATTATACCGAAGGTACCAGTTAGTACACTGAAATTCCAATAGTACAGGGG- AAGAGGTTTCCCTGAAGGAGA								747
Cat	TTTATGAATTGTATAGAACGTACCGGTTAGTGCAGTGAAATACCAATCAATAAAGGAGTAAACAGGGTTGCATGTGGGAGG								2060
Ferret	TTTGTGAATTATACAGAAAGTAGCATTTAGTACAGCGAAATTCCAATTAATAAAGGGTAAAGAGTGTTGCATGAAGGATG								1102
Lion	TTTATGAATTGTATAGAACGTAGCGGTTAGTGCAGTGAAATACCAATCAATAAAGGAGTAAACAGGGTTGCATGTAGGAGG								1044
Vaquita	TTTATGAATCATACAGAAAGTACCATTTAGTACAGTGAAATTCCACATAGTAAAAGGATAAGAGGTTTGTATGCAGAAGA								894
Pig	TTTATGAATCATCCAGAAAATACCATTTAATACAGTGAAGTCCAATTAATAAAGGATAAGAGGTGTGTTTGAAGGAGA								989

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Majority	TACAGGAAAACCC- XAGTGGGCATTGAGAGTAACTGGAGAGACAAAGGGAATAT- TTTTCXTXTCTCAGXGT- - - TX- GT								
	2090	2100	2110	2120	2130	2140	2150	2160	
Human	-----								0
PolarBear	-----								0
Cow	TATCAGAAAACCCAGAGTGGTCATTGAGAGTAATTGGAGAGACAAAGAGAATAT- TTTTCATTTCC- AGGAT- - - TAGAG								1068
Dog	AGCGAGGCGAGGC- CGCGGCGCGGGGAGGCGGCCCGGGGTCTCCGGGT- CTC- CGGCGCTCGGCGTCTGAG- GG								1338
BelugaWhale	TACAGGAAAGCCCATATAAGGCATTGAGAGTAACTGGAGAGACAAGGGATATTTGTGTGTGTGTGCACGCGC- - - - -								1096
Donkey	TATAGGAAAACCCAGAGCCGGCATTGAGGGTAACAGGAGAGACAGAGGAAATTT- TTCTCATTTCTCAGGAT- - - TAGAA								823
Cat	TATAGACCCAG- - - - AGTGGGCACTGAGAGTAACTGGAGAAATACAGAGAATAC- TTGTCTGTGTGTGTGTGTGTGTGT								2135
Ferret	CACAGGAAAACCA- GACTGGACACTGAGAGTAACTGGAGAAATATAAGGAATAT- TTTTCTTTTCTCAGTATTCTAA- GT								1179
Lion	TATAGACCCAG- - - - AGTGGGCACTGAGAGTAACTGGAGAA- TACAGAGAATAC- TTGTCTGTGTGTGTGTGTGTGTGT								1118
Vaquita	TACAGGAAAGCCCATATAAGGCATTGAGAGTAACTGGAGAGACAAGGGATATTTGTGTGTGTGTGCACGCGCACGCGCGT								974
Pig	TACAGGAAAACCCAGAGAAGCTATCCAGAGTAAGTGGATAGACAAAGGGAATAT- TTTGCATTTCCCAAGAT- - - TAAGT								1065

Majority	GTGTGTGTGTGTGTGTG- - - - TTGTGGTTGGGGGTG- AAGGGTGGAGGAGAGGGAAAATTGCTGGCAA- - - AGTCACCC-								
	2170	2180	2190	2200	2210	2220	2230	2240	
Human	-----								0
PolarBear	-----								0
Cow	GTGTGCGTATGTGTGTG- - - - TTGTGGCTGCGGGGG- AAGGACGGAGGATAGAGAAAA- - - - - GTCGCCC-								1128
Dog	GC- - - - CCGCGGGGGCG- - - - - GTGCTGGGCGACC- GCGCCGCGTCCGCAGCCCTGCCGGGGGCTTG- - AAGCGGGT-								1404
BelugaWhale	- - - - - GTGTGTGTGTGTTGTGGTTGGGGGGG- AAAGGTGGAGGAGAGAGAAAATTGCTGGCAAAGCAGTTACCC-								1164
Donkey	GCGCATTTGTGTGTGTG- - - - TTGTGGTTGGGGGTG- TAGGGTGGAGCAGAGGAAAAGATGCTGGCAAAGCAGTCACTT-								897
Cat	GTGTGTGTGTGTGTGTGTGTTGTAGTTGCGGGGTG- ATGGA- - - - GAAGACGGTAAGTTGCTGGCCAG- - AGTCACCCC								2208
Ferret	ACATTTCTGTTTGTGTT- - - - - GTGGTTGGGGGTG- ATGGGTGGAGAAGAGGGCAAATTGCTGGCAAAGTAGTCACCC-								1251
Lion	GTGTGTGTGTGTGTGTG- - - - TTGTAGTTGCGGGGTG- ATGGATGGAGAAGAGGGTAAGTTGCCGGCCAG- - AGTCACCCC								1191
Vaquita	GTGTGTGTGTGTGTGTGTGTTGTGGTTGGGGGGGAAAGGTGGAGGACAGAGAAAATTGCTGGCAAAGCAGTTACCC-								1053
Pig	GTGTGTGTGTGTGGGGGGGGTTGTGGTTGGGAGTG- AAGGGTGGAGGAGAGAGAAAATTGCTGTTAAAGGAGTCACCT-								1143

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Majority	ACTGAGCAAATTTTCCAAAAATGGATGCCTTTTCAAACCTTTGTTGAGCCTCTG- - AAAAACATGTTAAAGG- AAATGTCC								
	2250	2260	2270	2280	2290	2300	2310	2320	
Human	-----								0
PolarBear	-----								0
Cow	ACTGAGCAAATTTTCCAAAAACGGATGCCTTTTCAAAC- - - GTT GAGCCTCTGATAAAAAACACTTTAAAGG- AATTGTCC								1204
Dog	GGTTCAGAAAGCCCCTGGAGTAGAATCCGTGGCAACATGCGGAGAGCCAAGTA- - AAATACGAGTTTATTTTAAATGTTC								1482
BelugaWhale	ACTGAGCAAATTTTCCAAAAATGGATGCCTTTTCAAACGTTGTAGAACCTCTGATAAAA- CATTTTAAAGG- AAATTTCC								1242
Donkey	CCTGAGCAAATTTTCCAAAAATGGGTGCCTTCTCAGACTTTGTTGAGCCTCTCATAAAAAACACTTTAAAGG- AAATGTCC								976
Cat	ACTAAGCACATTTCCCCAAAAATGGATGCTTGTTCAAATTTTGTGAGCCCTG- - AAAAACATGTTAAAGG- AAAGGTCC								2285
Ferret	ACTGAGCAAATTTCCCCAAAAATGGATGCTTGTTCAAACCTTTGTTGAACCTCTG- - AAAAACATGTTAAAGA- AAAGGTCC								1328
Lion	ACTAAGCACATTTCCCCAAAAATGGATGCTTGTTGAAATTTTGTGAGCCCTG- - AAAAACATGTTAAAGG- AAAGGTCC								1268
Vaquita	ACTGAGCAAATTTTCCAAAAATGGATGCCTTTTCAAACGTTGTAGAACCTCTGATAAAAAACATTTTAAAGG- AAATTTCC								1132
Pig	ACTAAGCAAATTTTCCAAAAATGGATGCCTTTTCAAACCTTTGTTACGACTCTG- TAAAAACATGTTAAAGA- AAATGTCC								1221

Majority	AATATGCTATTTAAAATTTAAAATGGAGACT- GTGAGAGATA- - - - XAGAAAAGGGAGTCA- ATTTGXGTAGCCCATTTTA								
	2330	2340	2350	2360	2370	2380	2390	2400	
Human	-----								0
PolarBear	-----								0
Cow	AATATGCTTTTAAAATTTAAAAGGAAACCAGTGAGAGATA- - - - TAGAAAAGGGAGTCG- ATTTGAGTAGCCCATCGTA								1278
Dog	GTGGAGTTTAGTGTTTTTTAAGACACATC- G- - AGGGAAG- - - - GACATACCAAAGTTAGAGTAACAGACTTACCCCA								1554
BelugaWhale	AATATGCTATTTAAAATAAAAACAGAGACA- GTGAGAGATACTGTATAGAAAAGGGAGTCA- ATTTGAGTAGCCTTTCTTA								1320
Donkey	TATATGCTATTTAAAATTATAATGGAGACC- ATGAGACATA- - - - CAGAAAAGGGAGTCA- ATTTGTGTAGCCCATTTTA								1049
Cat	AATATACTATTAGAATTTAAAATGAAGACT- GTGAGATACA- - - - CAGAAAAGGGAGTCA- ATTTGTGTGGCCCATTTCA								2358
Ferret	AATATGGTATTAGAATTTAAAATGGGGACT- G- - AGATACA- - - - TGAAAAGGGAGTTA- ATTTGTGTAGCCCATTTTA								1399
Lion	AATATACTATTAGAATTTAAAATGAAGACT- GTGAGATACA- - - - CAGAAAAGGGAGTCA- ATTTGTGTGGCCCATTTCA								1341
Vaquita	AATATGCTATTTAAAATAAAAACAGAGACA- GTGAGAGATACTGTATAGAAAAGGGAGTCA- ATTTGAGTAGCCTTTCTTA								1210
Pig	AATATGCTATTTAAAC- - - - - GGAGACT- GTGAGAGATA- - - - CAGAAAAGGCAATCA- ATTTGAGTCGCTCACTTTA								1288

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Majority	ATGTTTCTTCCATCTCTAACC- A- TGGTGAAGACGGAGCTACCACTCCCATCCCCACTTGCCCTTTCAAGCCCCCAAATG								
	2410	2420	2430	2440	2450	2460	2470	2480	
Human	-----TGCCTCCAAATG								12
PolarBear	-----								0
Cow	GTGTTTCCTCCATCTTTAACC- AACGGTAAAGATGGAGCTAGTACTTCCATCCCCACTTGCTCTTTCAAGCCTCCAAATG								1357
Dog	GAGGTTGTTTAGACATTGTTT- TCCAGTGAA- ACGTAGATCTAGAGAAGTTCACTATTCCTCCAGAGAAACCTGGAAACT								1632
BelugaWhale	ATGCTTCTTCCATCTCTAATC- AGTGGTGAAGGTGGAGCTACCGCTCCCATCCCCACTTGCTCTTTCAAGCCCCCAAATC								1399
Donkey	ACGTTTCTTCCATCGCTAGCC- ACTGGGGAAGACTGAGCCACCACTTCCATCTCCACCTCCCCTTTCAAGCTCCCAAACC								1128
Cat	ATGTTCCCTTCCATCCCTAAC- - - CAATGAAGACTGAGGCACCACTCTCATCCCCACTTTCCTTTTCGAGCTCCCAAATG								2434
Ferret	ACGTTCCCTTTTCATCTCTAACC- AGTGGTGAAGACTGAGGTACCACTCCCATCCCTACTTTCCTTTGAAGCCCCCAAATG								1478
Lion	ATGTTCCCTTCCATCCCTAAC- - - CAATGAAGACTGAGGCACCACTCTCATCCCCACTTTCCTTTTCGAGCTCCCAAATG								1417
Vaquita	ATGCTTCTTCCATCTCTAATC- AGTGGTGAAGATGGAGCTACCGCTCCCATCCCCACTTGCTCTTTCAAGCCCCCAAATC								1289
Pig	ACGTTTCTTCCATCTCTAGCCCAATGCGGAAGATGGAGCTACCACTCCCATCCCCACCTGCTCTTTCAAGCCCCCGAAAG								1368

Majority	GTAGATCCTA- CTXTCGGTAGCAXTTTTTGTACCAACTCTTTAATACATCGCTCAACCTGTGTTCTTTTTCCATCCAGGT-								
	2490	2500	2510	2520	2530	2540	2550	2560	
Human	TTAAACTCC- - - - - A- - AC- - - - TATTGTAGCATTTTAAACACATGGCTCCATTTGTGTCTATTTCCACCTAGCGT								76
PolarBear	-----								0
Cow	GTAGATCTTA- CTGTTGGTAGCAGATTTCTTACCAACTTTTTAATACATCTCTCAACCTGTGTTCTTTTTCCATCCAGGT-								1435
Dog	GGTGACTAGACTTGGCAGTGGAGTTCATGTTCCCTGAGTCTATCAAGATAGCTGAAGAGTTGGTTAAGTCTTCCATTAC								1712
BelugaWhale	ATAGATCCTA- CCCTTGGTACCAGTTTTTGTACCAACTGTTAATACATCGCTCAACCTGTGTTCTTTTTCCATCCAGGT-								1477
Donkey	CTAGATCACAACCTATCGGT- - - - G- TTCTGTACCAACTCTTCAACACGT- - CTCAACCTGGGTGCTTTCCCATCCAGCT-								1200
Cat	GTAGATCCTAACTATCGCT- GCATTTTTTCATACCTACTCTTTATTACAAGGCTCCACCTGTGTTCTTTTTCCATCCAAGGT								2513
Ferret	ATAGATCCTAACTTACGATAGCATTTTTTCGTCCCTACTCTTTATCACACAGCTCAAGCGGTCTTCTTTTTCCATCTAGGGC								1558
Lion	GTAGATCCTAACTATCGCT- GCATTTTTTCATACCTATTCTTTATTACAAGGCTCCACCTGTGTTCTTTTTCCATCCAAGGT								1496
Vaquita	ATAGATCCTA- CCCTTGGTACCAGTTTTTGTACCAACTCTTTAATACATCGCTCAACCTGTGTTCTTTTTCCATCCAGGT-								1367
Pig	GTAGCTCCT- - - - - CGGTAGCACTTTTTGTACCAACTCTTTAATAAATCACTCAACCTCGGCTCTTTCCAGCCAAGT-								1441

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Majority	- ATTGTGACTATTTCTACAGGTGCCACTAATCATCAXCTGAGGGAAGTGTGACXCXTTXXTCXACTTGXCTTGGAAC	
	2570 2580 2590 2600 2610 2620 2630 2640	
Human	- ATTGTGAATATTTCTACAGGCGCACACTAATCACCAACTGAAGTGAGAATCACATTTTCTCCACTTGGCTTGGTAC-	154
PolarBear	-----	0
Cow	- ATTGTGAGTATTTCTACAGGTGCAGACTA- - - ATCAGCTGAGTGAGGTGAGAATCGTTATCTTCCTCCACTTGGAACT	1511
Dog	TAGTCTTAAGTGTAAAGCTTGGCAGAAATGGCACCACAGTGTTTGGAGTTTTTGTCTTTTTGGTAGATAAGGGT- - - -	1787
BelugaWhale	- ATTGTGAATATTTCTAGGGTCCCCACTAATCATCAACTGAGTGAGGTGAGAATC- ACATCCTTCTCCACTTGGAACT	1555
Donkey	- ACGGTGACTATTTCTACAGGCGCTCACTGATCCTCAACTGAGAGAATT- - - - - - - - TCCTCCACTTGGCATAGAACG	1270
Cat	- ACTGTGACTGTTTCTGTAAGTGCTCATTA- TCATTAGCTGAGGTGAGAATTACATTCTCTCCAGTTGGCAGGGAAC	2591
Ferret	- ATTGTGACTATTTCTACAGGTGTCCACTAATCATCAGTTGAGGTGAGAATCACATTTTTCTCCAGCTGGCGTG- - - -	1632
Lion	- ACTGTGACTGTTTCTGTAAGTGCTCATTA- TCATCAGCTGAGGTGAGAATTACATTCTC- - CCAGTTGGCAGGGAAC	1572
Vaquita	- ATTGTGAATATTTCTAGGGTCCCCACTAATCATCAACTGAGTGAGGTGAGAATC- ACATCCTTCTCCACTTGGTACT	1445
Pig	- ACCCTGACCATCTCCTACAGGTGCCACTCCTCATCAACCGATGCACCTGAGAGCC- CCATCTTCTCCACTTGGAAAGC	1519

Majority	XCAAGGGTCTGGAAGCAAAGCC- TAG- - GTTTCAGTCTGATG- - - - TTTACTTGCTTTGGAAA- TAT- - TTTTTACTA	
	2650 2660 2670 2680 2690 2700 2710 2720	
Human	- TACAGGTCTTGAAGCAAAGCC- TGT- - ATTTCACTGCTGAGGAG- - TTCTACTTGCTTGAGAAAGTACTGTTGTTACCA	228
PolarBear	-----	0
Cow	TCAAGCGTCGGAAGCAAAGCCGAT- - GTTTCATCTGATG- - - - TCTACTTGCTTCCAGAAAG- CACAGTTTTCACTA	1583
Dog	- CGTGGGAACAATACCAAAGTT- CAGCGACTTTCATCTCAGG- - - - TTTGA- AAGCAATTTTCC- ACA- - - - AGACCGA	1855
BelugaWhale	TCAAGTGTCTGGAAGCAAAGCG- TAT- - GTTTCATCTGATGATG- - TGTAAGTCTTTGGAAA- TACTGTTTTTACTA	1629
Donkey	ACAAATATCTGGAAGCAAAGCC- - - - - TGTTTCAGTCTGATGACA- - TCTACTTGCTTTGAAAAGTATTGTTTTTACTA	1343
Cat	ACAAGGGTCTGGAAGCAAAGCC- TAG- - GTTTCAGTCTGATT- - - - TGTACAAAGCAATGGTTT- CAT- - - - TTAGTGG	2658
Ferret	- GAAGGGTCTGGAAGCAAAGCC- TAG- - GTTTCAGTCTGATT- - - - CCTAATAAACAGTGGTCT- CAT- - - - TCAATGG	1699
Lion	ACAAGGGTCTGGAAGCAAAGCC- TAG- - GTTTCAGTCTGATT- - - - TGTACAAAGCAATGGTTT- CAT- - - - TTAGTGG	1639
Vaquita	TCAAGTGTCTGGAAGCAAAGCG- TAT- - GTTTCATCTGATGATG- - TGTAAGTCTTTGGAAA- TACTGTTTTTACTA	1519
Pig	TCAAGTGTCTGGAAGCAAAGCC- TAG- - GTTTCAGTCTGATGATGCCCTGACCTGCTTTGGAAA- TAT- - TTTCTGCTA	1593

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Majority	GACTTCGXAGAGGAACGT XCAAXAXXAAXCGAGXACGCCACGCT CCACAGCAGCAGGCCCGGGCCAG- - - - - AGXGCG	
	3050 3060 3070 3080 3090 3100 3110 3120	
Human	----- AAACC- - AGGT----- CGCCGCGGTCTGCAGCAGAACGCCAGGTTCCAG----- AGGACG	521
PolarBear	-----	0
Cow	GACTTCGAGGAGGAACGTACAATAGAAAACCAAGCAAGCCACTCTGCTCAACAACAGGCCGAGGCCAG- - - - - AGCGCA	1948
Dog	TTTCAAGAGTTGGATTATGTAG- - - - - TTGATAATCTAAATGGACAAAACTAAGTTTTTTTTAG- - - - - AAAG- G	2213
BelugaWhale	GACTTCGGAGAGGAACGTACAAAAGAAACGGAGCACGCCACGCTGCACAGCAGCAGGCCCGGGCCAG- - - - - AGCACT	1982
Donkey	CACTTCTTCGAGGAGCATCCACGAGGAAGCCAGGGCGCCATGCTTCCCAGCGGCAAGGCCCGGGCCCGGGCGCGGAGGGCG	1703
Cat	GACTTCTCAGAGGCGCGTGCAAAAAGAAGCTAGGCCGCCCTGCTCCACCGCAGCAGGCCTGGGCCAC- - - - - AAGGCG	3020
Ferret	GACTTCTCAGTGCAAAACGCAG- - - - - GAAGCCGCGCGCTCTACATCAGCAGGCCCGGGCCAG- - - - - AGGGCG	2039
Lion	GACTTCTCACAGGCGCGTGCAAAAAGAAGCTAGGCCGCCCTGCTCCACCGCAGCAGGCCTGCGGCCAC- - - - - A- - - - -	1976
Vaquita	GACTTCGGAGAGGAACGTACAAAAGAAACGGAGCACGCCACGCTGCACAGCAGCAGGCCCGGGCCAG- - - - - AGCGCT	1872
Pig	GATCTCGGCGAAGAAGCTACTAGAAAGAGCGCGCACGCCGCGCTCTCCAGCAGCAGGCCCGGGCGCAG- - - - - AGCGCG	1910

Majority	GAGGGCGGAGGGCGGAGGGCCCCAGGCGCGCGGGCGGCGCGG- - - - AG- - - - - GAGGCGACGGCGGGCGGCGC	
	3130 3140 3150 3160 3170 3180 3190 3200	
Human	GCAGGCGGAGGGCGGAGGGAGAAAAGGCGCGCGAAGGCGCGG- - - - AG- - - - - GAGGCGTGGCTGCGGCGC	583
PolarBear	-----	0
Cow	AAGGGCGGAGGG- - - - - CCCAGGCGCGGGCGCGCGT- - - - AG- - - - - GAGGCCACTGCGGCGGCGC	2003
Dog	CAGTCTGTGAGAATAACATCTTAAAGTAGGTATGAGTGCTGTT CAGG- - - - - GAATGAAAAATGCTTT CGG	2279
BelugaWhale	GAGAGCGGAGGGCGGAGGGCCTCACGCGCGCGTGGCGCGT- - - - AG- - - - - GAGGCGACGGCGGCTGCGC	2044
Donkey	GAGGGCGGAGGGCGGAGGGCCCCAGGCGCGCGGGCGGCGGAGGCGGAGGCGGCAAGCGGCGGCGGCGGCGGCGC	1783
Cat	GAGGGCGGAGGGCGGAGGGCCCCAGGCGCGCGGGCGCGGAG- GAA- - - - - GAGGCGGCGGCGACGGCGC	3085
Ferret	GAGGGCGAAGGGCGGAGGGCCCCAGGCGCGCGGGCGGCGCGG- - - - AG- - - - - GAAGCGACGGCGGCGGCGC	2101
Lion	- - GGGCGGAGGGCGGAGGGCCCCAGGCGCGCGGGCGCGGAG- GAA- - - - - GAGGCGGCGGCAACGGCGC	2039
Vaquita	GAGAGCGGAGGGCGGAGGGCCTCACGCGCGCGGGCGGCGCGT- - - - AG- - - - - GAGGCGACGGCGGCTGCGC	1934
Pig	GAGGGCGGGGGA- - - - - CCCAGGCGCGGGCGGCGCGT- - - - AG- - - - - GCGGCGACGGCGGCGGCGC	1966

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Majority	CCACTCCCCTCGTCCCCGCGCCCCGCGCTCGCCXCCCGCAGCCGGGCGCCGGCGCGCTCGGCTCTTTCCGCCGCCGCC	
	3210 3220 3230 3240 3250 3260 3270 3280	
Human	CCACTCCCCTAGTCCCAGCGCCCTGCCGCTCGCCTCCCGCTGCCGGGCGCCGGCGCGCTCGGCTCTTTCCGCCGCCGCC	663
PolarBear	-----	0
Cow	CCCCTCCCCGCGTCCCCGCGCCCCGCGCTCGCCGCCCGCAGCCGGGCGCCGGCGCGCTCGGCTCTTTCCGCCGCCGCC	2083
Dog	ATATAGAGCTTTGAGAATATAAATAAATAGCTCAGTTTTTTGAGGAGAGATTACGATTTTAAATAGATAAGTGATTTGA	2359
BelugaWhale	CCACTCCCCTCGTCCCCGCGCCCCGCGCTCGCCGCCCGCAGCCGGGCGCCGGCGCGCTCGGCTCTTTCCGCCGCCGCC	2124
Donkey	CCACTCCCCTCGTCCCCGCGCCCCGGCGCTCGCCTCCCGCCGCCGGCGCCGGCGCGCTCGGCTCTTTCCGCCGCCGCC	1863
Cat	CCACTCCCCTCGTCCCCGCGCCCCGCGCTCGCCTCCCGCAGCCGGGCGCCGGCGCGCTCGGCTCTTTCCGCCGCCGCC	3165
Ferret	CCACTCCCCTCGTCCCCGCGCCCCGCGCTCTCCTCCCGCAGCCGGGCGCCGGCGCGCTCGGGTCTTTCCGCCAGCGCC	2181
Lion	CCACTCCCCTCGTCCCCGCGCCCCGCGCTCGCCTCCCGCAGCCGGGCGCCGGCGCGCTCGGCTCTTTCCGCCGCCGCC	2119
Vaquita	CCACTCCCCTCGTCCCCGCGCCCCGCGCTCGCCGCCCGCAGCCGGGCGCCGGCGCGCTCGGCTCTTTCCGCCGCCGCC	2014
Pig	CCACTCCCCTCGTCCCCGCGCCCCGCGCTCGCCGCCCGCCGCCGGGCGCCGGCGCGCTCGGCTCTTTCCGCCGCCGCC	2046

Majority	GCTGCCGCGCGCTGCCCCGTGCGCTCCGGCACCTTCGGCAATTTCCGTCCGGGCCCTGGCCGCCATTT- TCTCGCCGCTTG	
	3290 3300 3310 3320 3330 3340 3350 3360	
Human	GCTGCCGCGCGGTGCCCCGTGCGCCTCCGGCACCTTCGGCAATTTCCGTCCGGGCCCCAGCCGCCATTT- TCTCGCCGCTTG	742
PolarBear	-----	0
Cow	GCTGCCACGCGCTGCCCCGTGCGCTCCGGCACCTTCGGCAATTTCCGTCCGGGCTCTAGCCGCCATTT- TCTCTCCGCTTG	2162
Dog	CCAAAATCGTGTGATTTTATTAATCTAATATTTTTTTGTACTTTTAATTGTGAAGACTAAACTATGTATTTCAATAATGA	2439
BelugaWhale	GCTGCCGCGCGCTGCCCCGTGCGCTCCAGCACCTTCGGCAATTTCCGTCCGGGACCTGGCCGCCATTT- TCTCTCCGCTTG	2203
Donkey	GCGGCCGCGCGCTGCCCCGTGCGCTCCGGCACCTTCGGCAATTTCCGTCCGGGCCCCGGCCGCCATTT- TCTCGCCGCTTG	1942
Cat	GCTGCCGCGCGCTGCCCCGTGCGCTCCGACACCTTCGGCAATTTCCGTCCGGGCCCTGGCCGCCATTT- TCTAGCCGCTTG	3244
Ferret	GCTGCCGCGCGCTGCCCTGTGCGCTCCGGCACCTTCGGCAATTTCCGTCCAGGCCCTGGCCGCCATTT- TCTCGCCGCTTG	2260
Lion	GCTGCCGCGCGCTGCCCCGTGCGCTCCGACACCTTCGGCAATTTCCGTCCGGGCCCTGGCCGCCATTT- TCTAGCCGCTTG	2198
Vaquita	GCTGCCGCGCGCTGCCCCGTGCGCTCCGGCACCTTCGGCAATTTCCGTCCGGGATCTGGCCGCCATTT- TCTCTCCGCTTG	2093
Pig	GCCGCCGCGCGCTGCCCCGTGCGCTCCGCCAGCTTCGGCAATTTCCGTCCGGGCCCTGGCCGCCATTT- TCTCTCCGCTTG	2125

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Majority	TGTGTCTCGCXGGCTGCGTGGCTCGGTTCTTGTGAGCGAAGCTTTGTCCGGTTCGGCAATGGACGGGTAXGTAATGGGGC	
	3370 3380 3390 3400 3410 3420 3430 3440	
Human	TGTGGCTCGCTGGCTGCGTGGCTCGGTTCTTGTGAGCGAAGCTTTGTCCGGTTCGGCAATGGACGGGTATGTAATCGGGC	822
PolarBear	-----	0
Cow	TGTGTCTCGCCGGCTGCGTGGCTCGGTTCTTGTGAGCGAAGCTTTGTTCCGGTTCGGCAATGGACGGGTAGGTAACGGGTT	2242
Dog	GCCACATTAACAATCCGTTATCTTGATCCTTAAAAGAAATTTGTTTAGGCAATTAGCTTCAAATTAGAGTCAGAAGTTAA	2519
BelugaWhale	TGTGTCTCGCCGGCTGCGTGGCTCGGTTCTTGTGAGCGAAGCTTTGTCCGGTTCGGCAATGGACGGGTAGGTAACGAGGC	2283
Donkey	TGTGTCTCGCTGGCTGCGTGGCTCGGTTCTTGTGAGCGAAGCTTTGTCCGGTTCGGCAATGGACGGGTAGGTCCTGGGCC	2022
Cat	TGTGTCTCGCTGGCTGCGTGGCTCGGTTCTTGTGAGCGAAGCTTTGTCCGGTTCGGCAATGGACGGGTATGTAATGGGGC	3324
Ferret	TGTGTCTCGCTGGCTGCGTGGCTCGGTTCTTGTGAGCGAAGCTTTGTCCGGTTCGGCAATGGACGGGTATGTAATGGGGC	2340
Lion	TGTGTCTCGCTGGCTGCGTGGCTCGGTTCTTGTGAGCGAAGCTTTGTCCGGTTCGGCAATGGACGGGTATGTAATGGGGC	2278
Vaquita	TGTGTCTCGCCGGCTGCGTGGCTCGGTTCTTGTGAGCGAAGCTTTGTCCGGTTCGGCAATGGACGGGTAGGTAACGAGGC	2173
Pig	TGTGTCTCGCCGGCTGCGTGGCTCGGTTCTTGTGAGCGAAGCTTTGTCCGGTTCGGCAATGGACGGGTAGGTAACGGGGC	2205

Majority	CGGCGAGGAGGTGTGTG- - AGAGGGGAGTXGGACCCXCCTTCGGCCCGGTCCGGGGTCGGGCAGAAACCCTCCGGCGGCC	
	3450 3460 3470 3480 3490 3500 3510 3520	
Human	CGGCGAGAAGGTGTGTGTGAGAGAGGAGTTGGACCGTCCTTCGGCCCGGTCCCGGGCCGGGGAGAAACCCTCCCGCGGCC	902
PolarBear	-----	0
Cow	TGGCGAGGTGGTGTGTG- - AGAGGGGAGTGGGGCCCGCCTGTGGCCCGTCCGGGGTCGGGCAGAAACCCTCTGGCGGCC	2320
Dog	GAGCTGGTTTGTCTTTT- - CCATTAAGGAAATAGGCCTT- - - - GTGGTACAGATCATTTGGAATCTTTCC- - T- - - C	2587
BelugaWhale	CGGCGAGGAGGTGTGCG- - AGAGGGGAGTGGGGCCCGCCTTCGGCCTGGTCCAGGGTCGGGCCGAAACCCCCGGCGGTC	2361
Donkey	CGGCGAGGAGGCGTGCG- - AGAGGGGAGCTGGAGCCTCCTTCGGCCCGGGCCGGGGTCGGGCAGGACCCCTCGG- CGGCC	2099
Cat	CGGGAAGGAAGTGTGTG- - AGAGGGGATTTGGACCCTCCTTCGGCCCGGTTCGGGGTCGGCCAGAAACCCTCCGGCGGCC	3402
Ferret	CAGCGAGGAGGTGTGTA- - CGAGGGGAGTCGTACGGTCTTCGGCCGGGTCCGGGGTCGTCCAGAAACCCTCCGGCGGCC	2418
Lion	CGGGAAGGAAGTGTGTG- - AGAGGGGATTTGGACCCTCCTTCGGCCCGGTTCGGGGTCGGCCAGAAACCCTCCGGCGGCC	2356
Vaquita	CGGCGAGGAGGTGTGCG- - AGAGGGGAGTGGGGCCCGCCTTCGGCCTGGTCCAGGGTCGGGCCGAAACCCCCGGCCGTC	2251
Pig	CGGCGAGGAGGTGTGTG- - AGAGGGGAGCGGGGCCCGCCTTCGGCCCGGGCCGGGGTCCGACCGAAACCCTCCGGCGGCC	2283

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Majority	CCTCCC- AGGGCT GGGCT GCCGTT ACCCAACCCCGCCCCAT CGCACACACCCTCCCTXCGCTTCCCCC- GGCGGGCTC	
	3530 3540 3550 3560 3570 3580 3590 3600	
Human	CCTCCC- AGGGCT GGGCT GCCGTT ACCCAACCCCGCCCCAT CGCACACACCCTCCCTTTGCTTCCCCC- GGCGGGCTT	980
PolarBear	-----	0
Cow	CCTCCC- AGGGCT GGGCT GCGGTT ACCCAACCCCGCCCCAT CGCACACACCCTCCCTGGGCTTCCCCC- GGCGGGCTC	2398
Dog	ACTTTT- TGGCCAGGAAACTACTTATTTAGATCTTCTTCTAATGCTTTGCTTTT- TCCTTGAATCCT- TGACATTT	2664
BelugaWhale	CCTCCCCAGGGCT GGGCT GCAGTT ACCCAACCCCGCCCCAT CGCACACACCCTCCCTTGGGCTTCCCCCTGGCGGGCTC	2441
Donkey	CCTCCC- GGGGCT GGGCT GCCGTT ACCCAACCCCGCCCCAT CGCACACACCCTCCCTCCGCTTCCCCC- GGCGGGCGC	2177
Cat	CCTCCC- AGGGCT GGGCT GCCGTT ACCCAACCCCGCCCCAT CGCACACACCCTCCCTTCGCTTCCCCC- GGCGGGCTC	3480
Ferret	CCTCCC- TGGGCTTGGCT GCCGTT ACCCAACCCCGCCCCAT CGCACACACCCTCCCTTCGTTTCCCCC- GGCGGGCTC	2496
Lion	CCTCCC- AGGGCT GGGCT GCCGTT ACCCAACCCCGCCCCAT CGCACACACCCTCCCTTCGCTTCCCCC- GGCGGGCTC	2434
Vaquita	CCTCCCCAGGGCT GGGCT GCCGTT ACCCAACCCCGCCCCAT CGCACACACCCTCCCTTGGGCTTCCCCCTGGCGGGCTC	2331
Pig	CCTCCC- AGGGCT GGGCT GCCGTT ACCCAACCCCGCCCCAT CGCACACACCCTCCCCGGGCTTCCCCC- GGCGG- CTC	2360

Majority	TGGTCGAGAAAATGXGAAGAAAGCGGGCTXGTAGACTGGAGAGGCXTTGXGGCGGTGGCGGGGGCGACGACCCCGGAGAG	
	3610 3620 3630 3640 3650 3660 3670 3680	
Human	TGGTCGAGAAAATGAGAAGAAAGCGGGCTTGGAGGCTGGGGAGGCATAGGGGCGATGGCGGGGGT GAGGATCCCGGAGTG	1060
PolarBear	-----	0
Cow	TGGTCGAGAAAACGGGAAGAAAGCGGACTCGTAGGCTT- - - - - GGCCGGCATTGGGGCGACGACCCCGGAGAA	2466
Dog	TAAcAGTGTACTATGTCAAAATTTTTGTTTGCAAACCTGTCTG- - - CTGTGTTGGGGCATGGTTCTTTGGTTTTTTAAAA	2741
BelugaWhale	TGGTCGAGAAAACGGGAAGAAAGCGGGCTTGTGGACTCGACAGGCCTTG- GGGAGACGGCGGGACGACGACCCCGGGAG	2520
Donkey	TGGTCGGGAAGATGAGGAGAAAGCGGGCTCGGAGGC- - - - -	2213
Cat	TGGTCGAGAAAATGAGAAGAAAGCGGGCTCGTAGACTGGAGAGGCATTGGGGCGATGGCGGGGGCGACGACCCCGGAGAG	3560
Ferret	TGGTCGAGAAAATGAGAAGAAAGCGGGCTTGTAGACTGGAGAGGCATTGGGGCGATGGCGGGGGCGACGACCTCGGAGGG	2576
Lion	TGGTCGAGAAAATGAGAAGAAAGCGGGCTCGTAGACTGGAGAGGCATTGGGGCGATGGCGGGGGCGACGACCCCGGAGAG	2514
Vaquita	TGGTCGAGAAAACGGGAAGAAAGCGGGCTTGTGGACTCGGCAGGCCTTG- GGGAGACGGCGGGACGACGACCCCGGGAG	2410
Pig	GGGCCGGGAAAACGGGCAAGAAAGCGGGCTCGGGGGCCCCGGGGGCGTGGGGGCCGCGCGGGGGCGACGGCCCGGCGGAG	2440

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Majority	GGAGCGGGCCCCGGCGXGGCGGCGGGGGATGGGGT- - - GGGXACCCAGAACGTC- - - TGGCCCGGCCCTGCCCCC- TC	
	3690 3700 3710 3720 3730 3740 3750 3760	
Human	GGAGCGGGCACCCGGCTTGGCGGCGGGGGATGGGGT- - - GGGAACCCCATAACGTCTCCCCGGTCTGTCCCTGCCCCC- TC	1136
PolarBear	-----	0
Cow	GCAGCGGGTCTTGGAGGGGCGGCGAGGGATGCGGT- - - GGGGGCCCCAGAATGTC- - - TCGCCCGGCCCTTCCCCCCTC	2539
Dog	ATTTTCAGACCTGGCACATCTTTTAGGCCTAATAC- - - ACAATAACTTGTGTA- - - - TGAATGACGTTTCCCCCTTT	2813
BelugaWhale	ACAGCGGGTCCCGGCGGGGCGAGCGGGGGATGGGCTCTGGGGGGTCCCAGGACGTC- - - TCGCCCGGCCCTGCCCCC- TC	2595
Donkey	AGGGGAGGCCCGGGGCGACGGCGGGGGCCGGGGA- - - GGGACCCCGAACGTC- - - TGGCCCGGCCCTGCCTCC- TC	2284
Cat	GGAGCGGGCACGGA CT TGGCGGCGGGGGATGGGGT- - - GGGAACCCAGAACGTC- - - TGGCCCGTCCCTGCCCCCTCT	3633
Ferret	GGAGCAGGCACCCGGCTTGACGGCGGGGGATGGGGC- - - GGGAACCCAGAACGCC- - - TGGCCCGTCCCTGCCCCCTCT	2649
Lion	GGAGCGGGCACGGA CT TGGCGGCGGGGGATGGGGT- - - GGGAACCCAGAACGTC- - - TGGCCCGTCCCTGCCCCCTCT	2587
Vaquita	ACAGCGGGTCCCGGCGGGGCGAGCGGGGGATGGGCTCTGGGGGGTCCCAGGACGTC- - - TCGCCCGGCCCTGCCCCC- TC	2485
Pig	GGAGCGGGCCGCGGCGGGGCGGCGGGCGCTGGGGT- - - GGGGGCCCCGGG- - - - - - CCGCCCGGCCCTGCCCCC- TC	2507

Majority	TAGGAGCCATTTTCGATCCGTAACTGGGACCCGAACCCCGGGT XAGCGGCCTGTGGGAGCGAGTGTAGTGGCC- GAGA	
	3770 3780 3790 3800 3810 3820 3830 3840	
Human	TAGGAGCCATTTTCGATCCGTACCTTGGGACCCGACCCTTGGGT TAGCGGTGCCTGTGAGAGCGAGTGGGATGGGCAGAGA	1216
PolarBear	-----	0
Cow	TAGGAGCCATTTTCGATCCGTAACTGGGACCCGACCCGGACCCCGGACGAGCGGT TCCGGTGGGAGCGAGTGTAGCGCCGGAGA	2619
Dog	CAAGTATGAATAGTCTTGGGAGGCTATAGTGGTAGTGA CTGTT- GACAATATTTTTTGAATTCTTAAAATTTTC- - - - A	2887
BelugaWhale	TAGGAGCCATTTTCGATCCGTAACTGGGACCCGACCCGCGGGGCGAGCGGCGCGGCTGGGAGCGGGTGTAGCGCCGGAGA	2675
Donkey	AAGGAGCCATTTTCGCTCTGTAACTGGGACCCGAACCCGGGGGAGCGGCGCCTG- GGGAGCGGGGTAGGGAC- - GAGA	2361
Cat	- AGGAGCCATTTTCGATCCGTAACTGGGACCCGAACCCCTGGGT- AGCCGCGCCTGTGGGAGCGAATGTTGTGGCCAAAGA	3711
Ferret	TAGGAGCCATTTTCGATCCGTAGCCTGGGACCCGAACCCCTGGGT- AGTCGCGCCTGTGGAAGCGAGTGTAGTGCC- - - - A	2723
Lion	- AGGAGCCATTTTCGATCCGTAACTGGGACCCGAACCCCTGGGT- AGCCGCGCCTGTGGGAGCGAATGTTGTGGCCAAAGA	2665
Vaquita	TAGGAGCCATTTTCGATCCGTAACTGGGACCCGACCCGCGGGGCGAGTGGCGCGGCTGGGAGCGGGTGTAGCGCCGGAGA	2565
Pig	ACGGAGCCATTTTCGGCCGTAACTGGGACCCGAACCCCGGGGCGAGCGGCGCCGGGGGAGCGCGTGTGGCGGCCCGGGG	2587

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Majority	G X G A G G C C T G T G T - - - G G G A G T C - - - - - C C C A G G G G A G A G X A G A G A G G X - X C C G X - - - - - T G C A C C C C A										
	3850	3860	3870	3880	3890	3900	3910	3920			
Human	C A G G C C T T T G G A T T G G G G G A G C C - - - - - T C T A G G G G A A G A G G A G A G A G G C A C C C - C - - - - - A T G T G G A C C C C A										1278
PolarBear	-----										0
Cow	G C G A G G C C T A C G T T G G G G G A G G G G G G C G G C T C C C C G C T G A G A G A A C A G A G G C C C C C C C C C C T C C C C G G A C C C C C T C C C T A										2699
Dog	T C T A C A A C A A T G T - - - G A T A T T C - - - - - C T T A G A A T A T C C T A A G G A G A T A T T T - - - - - T G T A T T T T C										2941
BelugaWhale	G C G A G G C C T G C G T - - - G G G A G T C - - - - - T C C C T G C G G A G A G A G A G G - - - - - C C G C C C C C A C C T A G G C C C C C - - C C A A										2737
Donkey	G G G A G G C C T G G G T - - - G G G C C T C - - - - - C C G G G G G A G A G C C G C G - - G - - C C C G - - - - - G G G C C C C C										2410
Cat	G A G A G G C C T G T G T - - - G G G G T T - - - - - G T T A G G G G A T G G G A G A A A G G C G T C T G T G - - - - - T G C A C C C C A										3768
Ferret	C A G A G G C C T G T G T - - - G G G G T G - - - - - G C T A G G G G A G A G G A G A G A G G C A T C T G T A - - - - - T G C A C C C C A										2780
Lion	G A G A G G C C T G T G T - - - G G G G T T - - - - - G T T A G G G G A T G G G A G A A A G G C G T C T G T G - - - - - T G C A C C C C A										2722
Vaquita	G C G A G G C C T G C G T - - - G G G A G G C - - - - - T C C C T G C G G A G A G A G A G G - - - - - C C G C C C C C A C C T A G G C C C C T - - C C A A										2627
Pig	G G G G G G G C A G G C C T G G G G G A G G G - - - - - C C C C G G G G G G A G A G C G G - - - - -										2628

Majority	G C C G T C C T X A G C C T C C C C G G C C T C G C C C G G C C C G C - - - - - C C T G G C T G G G G G A G A T G C C G G T G G C G G G A G C T C C G G G G A A										
	3930	3940	3950	3960	3970	3980	3990	4000			
Human	G C C A T G A G C A A C C T C T C C G G C C T C G C C C G G C C C T C - - - - - C G T G G T C G G G A G A G A T G C C G G T G G C G G G A G C T C C G G G G A A										1353
PolarBear	-----										0
Cow	G A A G T C C C A G G C C T T C T T G G C C C C G C C T G G C C C G C - - - - - C C T G G C T G G G G G A G A T G C C G G T G G C G G G A G C T C C G G G G A A										2774
Dog	T T T T T T C T G C T T A C T A A A T A T T T G T T C A T A C T T G - - - - - A T A T T T A G T C T T A T T T G T T G A G T T C A T A T T A C A T A G A T C A										3016
BelugaWhale	G C C G T C C C A A G C C T C C C C G G T T T C G C C C G G C C C G C C C C C C C G G C T G G G G G A G A T G C C G G T G G C G G G A G C T C C C G G G A A										2817
Donkey	G G C C G G G G A G T C G T C C T C G G C G T C G C G C G G C C C G C - - - - - C G G G C G G G G G A - - T G C C G G T G G C G G G A G C C C C C G G G A G										2482
Cat	G C C G T C C T C C A C C T G C C C G G C C T C G C C C G G C G G G C - - - - - C C A G G C T G G G G G A G A T G C C G G T G G C G G G A G C T C G G G G G A A										3843
Ferret	G C C G T C C T C A G C C T C C C C G G C C T C G C C C G G C C C G C - - - - - C C T G G C A G G G G G A G A T G C C G G T G G C G G G A G C T C G G G G G A A										2855
Lion	G C C G T C C T C C A T C T G C C G G G C C T C G C C C G G C G G G C - - - - - C C A G G C T G G G G G A G A T G C C G G T G G C G G G A G C T C G G G G G A A										2797
Vaquita	G C C G T C C C A A G C C T C C C C G G T T T C G C C C G G C C C G C - - - - - C C C G G C T G C G G G A G A T G C C G G T G G C G A G A G C T C C C G G G A A										2702
Pig	- - - G C C C G T G G C C C C G C G G C C G C C C G G C C G C G C - - - - - C C T G G C G G A G G G G G A T G C G G G T G G C G G G A G C G C - G G G G A A										2699

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Majority	AGCTAAGTGGGAGCCGCTGGGGAAGGGGGGGG- - - - GGGGXGGCGT GCGGCGGCGGGAGGAAG- GGGGAGGGCAGATGT	
	4010 4020 4030 4040 4050 4060 4070 4080	
Human	AGCCTAGTGGGAGCCGCTGGGGAAGGGGGG- - - - - AGGGCGT GCGGCGGCGGGAGGAAG- GGGGAGGGCAGATGT	1422
PolarBear	-----	0
Cow	AGCTAAGTGGGAGCCGCGGGGGAAGGGGGG- - - - - CGGGGAGGCGT GCGGCGGCGGGAGGAAG- GGGGAGGGCAGATGT	2847
Dog	GGGGAGAGAGAGT GAGCTTTTCTGGGGAAGGCA- - - ATCTTACTTGGCAGTGATATTTTCTAA- GTTGAAG- - - - - T	3085
BelugaWhale	GGCTGAGTGGGAGCCGCGGGGGAAGGGGGGGG- - - CGGGGAGGCGT GCGGTGGCGGGAGGAAG- GGGGAGGGCAGATGT	2892
Donkey	AGCTGAGTGGGAGCCGC- - - - - GGGGAG- - - - - GCGT GCGGCGGCGGCGGCGGG- - - GAGGGCAGATGT	2538
Cat	AGCTAAGTGGGAGCCGCTGGGGAAGGGGGGGGGG- CGGGGAGGGCGT GCGGCGGCGGGAGGAAG- GGGGAAGGCAGATGT	3921
Ferret	AGCTAAGTGGGAGCCGCTGGGGAAGGGGGGGGGCG- - - GGGAGGGCGT GCGGCGGCGCGAGGAAG- GGGGATG- - - - - T	2924
Lion	AGCTAAGTGGGAGCCGCTGGGGAAGGGGGGGGGGGCGGGGGGGGGGGGGGGGGGGGGGGAGGAAG- GGGGAAGGCAGATGT	2876
Vaquita	GGCTGAGTGGGAGCCGCGGGGGAAGGGGGGGGGG- - - CGGGGAGGCGT GCGGTGGCGGGAGGAAG- GGGGAGGGCAGATGT	2779
Pig	GGCGAAGTGGGAGCCGCGGGCGAAGGGGGG- - - - - CGGGGAGGCGCGGCGGCGGGAGGAAGGGGAGGGCAGATGT	2773

Majority	CATACTCCTTTGTTTTCACTXGAGTCTGGTAGTGGGGGCGGGAGGCTG- AAAAAATGCCTTTTT- GTGGGGCCTAAGAAC	
	4090 4100 4110 4120 4130 4140 4150 4160	
Human	CATACTCCTTTGTTTTCATTTGAGTCTGGTAGTGGGGGCGGGAGGGAGGAAAAAATGCCTTTTT- GTGGGGACTGAAAAC	1501
PolarBear	-----	0
Cow	CACACTCTTTTGTTCCTTTCACTGGAGTCTGCTAGTGGGGGCGGGAGGCTG- AAAAA- TGCCTTCT- GTGCGGCCTAAGAAC	2924
Dog	AGT- - TGCAGGGTTTGAATTTGGGAATAGTT- CATGAGTGCAGGATAT- AGAATGTAAAATTACCATTGAAATAGATATC	3161
BelugaWhale	CACACTCCTTTGTTTTCACTGGAGTCCGCTAGTGGGGGCGGGAGGCTGAAAAAAACGCCTTTTT- GTGTGGCCTAAGATC	2971
Donkey	CATACTCCTTTGTTTTCGCTGGAGTCTGGGAGTGGGGGCGGGAGGCGG- AAAAAATGCCTTTTT- GTGGGGCCTAAGAAC	2616
Cat	CATACTCCTTTGTTTTCACTT GAGTCTGGTAGTGGGGGCGGGAGACCG- AAAAAA- TGCCTTTTTGTGGGGCCTAAGC	3999
Ferret	CATACTCCTTTGTTTTCACTT GAGTCTGGTAGTGGGGGCGGGAGACAG- AAAAAATGCCTTTTTGTGGGGCCTAAGAAC	3003
Lion	CATACTCCTTTGTTTTCACTT GAGTCTGGTAGTGGGGGCGGGAGACCG- AAAAAAATGCCTTTTTGTGGGGCCTAAGC	2955
Vaquita	CACACTCCTTTGTTTTCACTGGAGTCCGCTAGTGGGGGCGGGAGGCTGAAAAA- CGCCTTTTT- GTGTGGCCTAAGATC	2857
Pig	CACACTCCTTTGTTTTCACTGGCAGCGGCTGGTGGGGGCGGGAGGCTGCAAAAA- GGCCTTCTTGTGGGGCCTGCGAGC	2852

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Majority	GTTCAAGGCTTGGCAAAGGGCCCAGAAATTAATCATCT- -AAAAAACGAAGTGTTTGTGGTGGACATCAGT CACATGG	
	4170 4180 4190 4200 4210 4220 4230 4240	
Human	ATTC AAGGCTTGGCAAAGGGCCCAGAAATTAATCATCT- -AAAAAACGAAGTGTTTGAAGCCGACATCAGT CACATGG	1579
PolarBear	-----	0
Cow	GTTGAAGGCTTGGCAGAAGGGCCCAGAAATTAATCATCT- CAAAAAACGAAGTGTTTGTGGTGGACATCAGT CACATGG	3003
Dog	CTCTGTAATTTTGTATAAATGAATGAATGATGTAAGTATGG- AGAGAACGAACTGATAAGAGCCACCAGGAGTAGGCTGA	3240
BelugaWhale	GTTCCAAGCTTGGCAGAAGGGCCCAGCAATTAATCATCT- -AAAAAACGAAGTGTTTGTGGTGGACATCAGT CACATGG	3049
Donkey	ATTGGAGGCTTGGCAAGAGGGCCCAGAAATTAATCATCT- -CAGAAACGGAGTGTTTGTGGTGGCATCAGT CACATGG	2694
Cat	GTTCAAGGCTTGGCAAAGGGCCCAGAAATTAATCATCTG- AAAAACCCAAGTGTTTGTGGTGGCATCAGT CACATGG	4078
Ferret	ATTC AAGGCTTGGCAAAGGGCCCAGAAATTAATTTATCTT- AAAAATCAAGTGTTTGTGGTGGACATCAGT CACATGG	3082
Lion	GTTCAAGGCTTGGCAAAGGGCCCAGAAATTAATCATCTG- AAAAACCCAAGTGTTTGTGGTGGCATCAGT CACATGG	3034
Vaquita	GTTCCAAGCTTGGCAGAAGGGCCCAGCAATTAATCATCT- -AAAAAACGAAGTGTTTGTGGTGGACATCAGT CACATGG	2935
Pig	CTGGGCGGCTTGGCAGAGGGGCCGCGGAATTCAGT CATCTGCACAAAACGAAGCGTTTGTGGTGGACATCAGT CACATGG	2932

Majority	GCAAAGGCCAACAGCCATGGCAGAAACAAGAGCAGATA- GTCAACAC- AGGGCCATCTTTT XAGCTACTTTGACCAGTTT	
	4250 4260 4270 4280 4290 4300 4310 4320	
Human	GCAAAGGCCAACAGCAATGGCAGAAACAAGAGCAGATA- GTCAACAA- AGGGCTATCTCTTTAGCTACTTTGGT CAGTTT	1657
PolarBear	-----	0
Cow	GCAAAGGCTAAGAGCTGTGGCAGAAAGAAGAGCAGATA- GTCAACAC- AGGGCCATCTTTT CAGCTACTTTGACCAGTTT	3081
Dog	CAGAAATGAGACAGAGAATCAGATGTCCAGTTATGGTTTATTGGTTT- AACAGTTTTCTATATAT- TAGTAGAGGAGA- -	3316
BelugaWhale	GCAAAGGCCAACAGCCATGGCAGAAACAAGAGTAGATA- GTCAACAC- AGGGCCATCTTTT CAGCTACTTTGACCAGTTT	3127
Donkey	GCAGAGGCCAAAAGCCATGGCAGAGCCCAGAGCAGACA- GTCAACAC- AAGGCCATCTTTT TTAGCTCCTTTGACCAGTTT	2772
Cat	GCAAAGGCCAACAGCCATGGCAGAAACAAGAGCAGATA- GTCAACAC- AGGGCCATTTTTTTTTT- -AGCCACTTTGAC- -	4152
Ferret	GCAAAGGCCAACAGCCACGGCAGAAACAAGAGCAGAGAAGTCAACAC- AGGGCCATTTTTTTTGGT C- ACTTTGACCAGTTT	3160
Lion	GCAAAGGCCAACAGCCATGGCAGAAACAAGAGCAGATA- GTCAACAC- AGGGCCATTTTTTTTTT- -AGCCACTTTGAC- -	3109
Vaquita	GCAAAGGCCAACAGCCATGGCAGAAACAAGAGTAGATA- GTCAACAC- AGGGCCATCTTTT CAGCTACTTTGACCAGTTT	3013
Pig	GCCGAGGCCACCAGCCATGGCAGAAACCAGAGCAGATA- GGCAGCACGAGGGCCGCTCTCCTCGGCTACTTTGACCAGTTT	3011

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Majority	CTGGAAAAACXAAAACAACCT- CAAA- AAGCCAGAACCGTGCTGCATCTTTGAG- - CX- - AGTGGAGATAGAATGCTGAGT	
	4330 4340 4350 4360 4370 4380 4390 4400	
Human	CTGGAAAAACGACTATAA- - - - - A- - AACCCAGAACCATGCTGCATCTTTGCGAACCTGAGTCAAGACGGAATGCTGAGT	1730
PolarBear	- - - - -	0
Cow	CGGGAAAAACA AAAACAACCTCTTAAAAAGCCAGAACCAT- CTGCACCTTTGAG- - - - - GCTGGCGATAGAATGCTAAGT	3154
Dog	- - AAAAAATTGGAAAAAATGTAAA- AATAATTGCCAGCCGTTTTTTTTTAAAT- CCATTTTTTAATATAAAAAGTTTGAAT	3392
BelugaWhale	CTGGAAAAACA AAAACAACCTCCAAA- AAGCCAGAGCCGTGCTGCATCTTTGAG- - - - - GCTGGCGGTAG- - TGCTAAGT	3198
Donkey	CTGGAAAAACGAAAACAGCTACCCA- AAACCAGAACCGTGTTGCATCCCTGAGAGCCCGAGTGGAAATAGAATGCTGAGT	2851
Cat	- - - CGGTTTTCGGGAAAAA- - - CAAA- AAGCCAGAACCGTGCTGCATCTTTGAGAGCCCTAGTGCAGATAGAATGCTGAGT	4225
Ferret	CCGGAAAAACA AAAACAACCTACAAA- AAGCAAGACCCGTGCTGCATCTTTGATATCCCGAGTGGAGACAGAATGCTGAGG	3239
Lion	- - - CGGTTTTCGGGAAAAA- - - CAAA- AAGCCAGAACCGTGCTGCATCTTTGAGAGCCCTAGTGCAGGTAGAATGCTGAGT	3182
Vaquita	CTGGAAAAACA AAAACAACCTCCCAA- AAGCCAGAGCCGTGCTGCATCTTTGAG- - - - - GCTGGCGATAG- - TGCTAAGT	3084
Pig	GTGGACCCACAAAAGCAACTCCACCAAGCCCCAGCCGTGCTGCGTCTTTGAC- - - - - AGCGGCGGTAG- - TGCCCAGC	3083

Majority	GAGGTGAGG- CAAGGGCTTTGGGAAATGATACGG- ACCXGGGTCTC- - CCTGGTACTTAACGCTCCACATCTGAAAAGAC	
	4410 4420 4430 4440 4450 4460 4470 4480	
Human	GAGGTGAGAGGCAAGACTGTG- - AAATGGTAGGG- ACCGATGTCTC- - - - - GC- TCATATGCTTCACACCTGAAAAGAC	1800
PolarBear	- - - - -	0
Cow	GAGGTGAGG- CAAAGGCTTCGGGAAATGATACGGGACCAGGGTTTC- - CCTG- CACTTAACGCTCCACACCTGAAAAGAC	3230
Dog	AACTGAAGT- TTTGTTTTGCGGACTTTTTCTAAGA- TGGTGGTTAAT- - AACTTTTGCTTTGGAGTCATGCCTGTGTATAA	3468
BelugaWhale	GAGGTGAGG- CAAGGGCTTCGGAAAATGTTACGG- ACCAGGGTCTCTCCCTGGTACTTAACGCTCCCCATCTGAAAAGAC	3276
Donkey	GAGGTGAGG- CGAGGGCTTAGGAAAATGGTATGG- TCCGGGGTCTC- - CCTGGTGCTCAACGCTCCACATCTGAAAAGAC	2927
Cat	GAGGTGAGGGCAAGGGCTTTGGGAAACGACCCGGG- ACCGGGGTCTC- - CCTGGTACTTAATGCTCTACATCTGAAAAGAC	4302
Ferret	GACGTGAGG- CAAGAGCTTTGGGAAATGATACTG- ACCCGGGTCTC- - CCTGGTACTTAATGCTCTACATCTGAAAAGAC	3315
Lion	GAGGTGAGGGCAAGGGCTTTGGGAAGCGACCAGG- ACCGGGGTCTC- - CCTGGTACTTAATGCTCTACATCTGAAAAGAC	3259
Vaquita	GAGGTGAGG- CAAGGGCTTCGGAAAATGATACGG- ACCAGGGTCTCTCCCTGGTACTTAACGCTCCCCATCTGAAAAGAC	3162
Pig	GAGGTGAGG- CCAGGGCTTTGGGCAGTGATGCGG- ACCAGGGTCTC- - CGTGGTGCTTAACGCTCCACACCTGAAAAGTC	3159

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Majority	TCTT- AATAATTTAACTCATTGTTAGAAAGGAGGCACCCTT- TAGGGCGAAAATAXAGCTGTATTCAGCCCGTTTGG- - -	
	4490 4500 4510 4520 4530 4540 4550 4560	
Human	TCA- - - GTAATTTAACTCAATGTTAGAAAGGGGGCACGCTT- AAGGTCAAAAATACAGCAGTATGCAGCTCTTTTGG- - -	1873
PolarBear	-----	0
Cow	TCT- - - AATAATTTAACTCATTGTT- - - AAAGGAGGCACCCTT- TAGGGCGAAA- TGTAGCCGTATTCAGCCCGTTTGG- - -	3301
Dog	GTAA- TTAAGTTTTCATATGTATATATATTCTTTTAATGTG- CCTGGTTAAAATTCATAGTGGTAAGTATTTCTCAC- - -	3543
BelugaWhale	TCTTTAATAATTTAACTCATTGTTAGAAAGGAGGCACCCTT- TAGGGTAAAAAATAGCCGTATTCATCCCGTTTGG- - -	3352
Donkey	TAA- - - ATAATTTAACTCATTGTTAGGAAGGAGGCACCCTT- TAGGCCGAAAATGCAGCTGTATTAAGCCCATTTGGCAG	3003
Cat	TCTT- AATGATTT- - - - AATTGTTGGAAAGGAGGCACCCTT- GAGGGCGAAAAGAGAGCTGTATTGGGCCCATTTGG- - -	4373
Ferret	TCAA- AGTGATTTAGCTAATTGTTAGAAAAGAGGCACCCTT- GAGGGCGAAAATATAGCTCTATTCAGCCCTTCTGG- - -	3390
Lion	TCTT- AATGATTT- - - - AATTGTTGGAAAGGAGGCACCCTT- GAGGGCGAAAAGAGAGCTGTATTGGGCCCATTTGG- - -	3330
Vaquita	TCTTTAATAATTTAACTCATTGTTAGAAAGGAGGCACCCTT- TAGGGTAAAAATATAGCCGTATTCATCCCGTTTGG- - -	3238
Pig	CCTT- AATAATTTAACTCGTTAG- - - GAAGGAGGCACCCTGTAGGGCGAAAAGTACAGCTGTAGCCAACTCGTT- - - - -	3229

Majority	GGGTATA- - AAAACAGTATCATTAAAAAGTACATTTATTAGAATCAGTGACA- GTATTTGAAGAGTCA- - AGTAAAATA	
	4570 4580 4590 4600 4610 4620 4630 4640	
Human	GAGTGTA- - AACATAGTATCATTAAACAAGTACATTTATTAAAATCAGTGA- - - GTATTTGAAGAATCA- - - - - ACAATT	1943
PolarBear	-----	0
Cow	GAGCATAGGAAAACAGTATCT- - - - - TTTATTGGAATCAGTGACT- GTATTTGAAGGGTCAGAAGTAAAATA	3367
Dog	TGAGTCCC- AGTCCTGTTTCTCAGGTGAGGTAATTACGTTAAATTTTTCTGGTGCATTTTTTCTGA- - AGTGTTTTT	3620
BelugaWhale	GGGCATAGGAAAAGAGTATCACTTAAAAAATACGTTTATTGGAATCATTGACA- GTATTTGAAGGGTCAGAAGTAAAATG	3431
Donkey	GGGGCTATAAACACAGTATCGTTTAAAAAGTACATGTATTAGAATCGGTGACA- GTGTTTGAAGAGTCA- - AGTAAAATG	3080
Cat	GGGTAT- - - AAAAACGAATCATTAAAAAGTACATCTATTAGAATCAGTGGA- GTATATGAAGAGTCC- - TGTAAAGATA	4447
Ferret	GGGTGTA- AAAACCGTATCATTAAAAAGAGCGTATTTATTAGAATCAGTGACA- ACATACGAAGAGCCA- - AATAAAATT	3466
Lion	GGGTAT- - - AAAAACGAATCATTAAAAAGTACATCTAGTAGAATCAGTGGTA- GTATATGAAGAGTCC- - TGTAAAATA	3404
Vaquita	GGGCATAGGAAAACAGTATCACTTAAAAAGTACGTTTATTGGAATCCTTGACA- GTATTTGAAGGGTCAGAAGTAAAATG	3317
Pig	- - - - - GC- - - AACAAAGTCCA- - - - - TTTATTGGGCTCGTTGGCA- GTGCTTGAAGGGTCAGGAGTAAAATA	3286

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Majority	TGAGTTTATTTTAA- - - - GCGTCTGGAGTTTGGTGT- TTTTAAAAGATATTAAGTGXA- GATCATATAAAAAGTTA- - ACA	
	4650 4660 4670 4680 4690 4700 4710 4720	
Human	TGGTTAAGC- - - - - GCCTAGAGTTTGGTGTGTTTTAAAAGGTAATAAAAACAAGATTTTATAAAAAGTTAACACA	2012
PolarBear	- - - - -	0
Cow	CGAGGTTTTTTTAA- - - - GCATCTGGATTTTCGATGT- TTTTTAAGGATATCAAGTGCA- GATCTAGTAAAAGTTA- - ACA	3439
Dog	TAGGTTTGTAT- - - - - ATTATCAAATATTAGCAT- CCTTGCTTATTTACACAAATG- GGTTTTCCACAAAT- - - - ACC	3687
BelugaWhale	TGAGTTTATTTTAA- - - - TCATCTGGAGTTTCGGTAT- TTTGTGAAGAACTAAGTGCA- GGTACATAAAAAGTTA- - ACA	3503
Donkey	AGAGTTTATTTTCACTAAGCGTCTGAAGTTTGGTGT- TTTTAAAAGACATTGAGTGAA- GACCATGTAAAAGTTA- - CCA	3156
Cat	TGAGTTTATTTTAAATTAAGTGTGGAGTTTGGTGT- TTTTAAAAGATATTAAGGGAA- GACCATATCAAAGTGA- - ACA	4523
Ferret	TATTTTGTAT- - - - - TGTTTGGAGTTTAGTGT- TTTTAAAAGATATTATGGATA- GACCATATCAAAGT- - - - TAA	3530
Lion	TGAGTTTATTTTAAATTAAGTGTGGAGTTTGGTAT- TTTTAAAAGATATTAAGGGAA- GACCATATCAAAGTGA- - ACA	3480
Vaquita	TGAGTTTATTTTAA- - - - TCATCTGGAGTTTCGGTAT- TTTGTGAAGAACTAAGTGCA- GGTACATAAAAAGTTA- - ACA	3389
Pig	CGAGTTTATTTTAA- - - - GCGCCTGGGTTGGGTGT- TTTTTAAGAGAGTAAGTAA- GATCCTGTAAAAGTTA- - GCA	3358

Majority	GAGTAACAAAAXTTAAATCATCCTAGAGGTTATCTAGAGATTATTTTCCAGATGAAAC- T- - - - - AAATCCAGAGAAG	
	4730 4740 4750 4760 4770 4780 4790 4800	
Human	GTCTCACAGAATTCAAATCATCCTAGATGTTACCTAAAGATTATTTTCCAGATGAAAC- - - - - AAATCCAGAGAAG	2083
PolarBear	- - - - -	0
Cow	GACTAACGAAATTTGACTCATCCTAGGTGTTCTCTAAAGATTATTTTCTAGATGAAAC- - - - - AAATCCAGAT- - -	3507
Dog	ATGTGTACTGGCTCACTACTTGCTTTTTTTTAAAAGATAGCTTTATTGAGAGAAAATTT- - - - - GACATAAAATAAA	3760
BelugaWhale	GATTAACAAAATTTGAATCTTCCTAGAGGTTCTCTGGAGATTATTTTCCAGATGAAAC- - - - - AAATCCAGAGAAG	3574
Donkey	G- - TAACAGAACTTAAATCATCCTAGTGCTTATCTAGAGTTTATTTTCTAGAAAACAGATCATAGATAGATCTAGAGAAG	3234
Cat	AAGTCAACAACTTAAAGTTGTCCGAGAGGTTATCTAGAGGTAATTTTCCACATGAAATCT- - - - - AGATCTAAAGAAG	4596
Ferret	CAGTAACAAACTTACATTATCCTAGAGGTTATCTAGAGATTGTTTTCCACATGAAATGT- - - - - AAATCTAGAGAAG	3603
Lion	AAGTAACCAAACTTAAAGTTGTCCGAGAGGTTATCTAGAGATAATTTTCCACATGAAATCT- - - - - AGATCTAAAGAAG	3553
Vaquita	GATTAACAAAATTTGAATCTTCCTAGAGGTTCTCTGGAGATTATTTTCCAGATGAAAC- - - - - AAATCCAGAGAAG	3460
Pig	GACTAACAAAATTTAAATCACCTCGAGATGCTCTAGAGAGCATTCTCCAGATGAAACCT- - - - - AAGTCCAGAGAAA	3431

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Majority	T T C A C T A T T T - C C C C A G A T C A A C A T G G A A A T T G A T G G C A A A A C T - - T G C A C T G G A A T T - - - C A T G T T T C C T G A T T C - - - -	
	4810 4820 4830 4840 4850 4860 4870 4880	
Human	T T C A G T A T T C C C C C A G A T C A A C A C G G A A A T T G A T G T C A A A A C T - - T G C A C T A G A A T T - - - C A T G T T T C C T G A T T C C T G G	2158
PolarBear	-----	0
Cow	T T C A C T G T T T T C C C C A G A T C A G C A T G G A A A T A G A T G G C A A A A T T - - T G T A T T G A A T T T - - - C A T G T T T C C T C A T C C - - - -	3578
Dog	C T G C A C T T A T - T A T T G G A C A T A T G A A T A C A C C T A T G A G A T C A T T A C C A T A A T G A A G A T - - - C A T G T - - - C T A T C A C - - - -	3829
BelugaWhale	T T C A C T C T T T C C C C C A G A T C A A T A T G G A A A T A G A T G G C A A A A C T - - T G C C C T G G A A T T - - - C A T G T T T C C T G T T T C - - - -	3645
Donkey	T T C A G T A T T C - - C C C A G A T C A A C A T G A A A A T T G A T G G C A A A A C T - - T G C A C T G G A A T T - - - C A C G T T C C G A G A T T C - - - -	3303
Cat	T T T G C T A T T T - C C C C A G G T T A A C A T G A A A A T T G A C G G C A A A A G T - T G G C A C T G G A A T T - - - C A T G T T T T C T G A T T C - - - -	4667
Ferret	T T C A C T A T T T - C A C C A G A T A A A C A T G G A A A T T G A T G A C A G A A C T - T A G C A G T G G A A T T - - - G T T T C - - - C T G A T T C - - - -	3671
Lion	T T T G C T A T T T - C C C C A G G T T A A A A T G A A A A T T G A C G G C A A A A G T - T G G C A C T G G A A T T - - - C A T G T T T T C T G A T T C - - - -	3624
Vaquita	T T C A C T C T T T C C C C C A G A T C A A T A T G G A A A T A G A T G G C A A A A C T - - T G C C C T G G A A T T - - - C A T G A T T C C T G T T T C - - - -	3531
Pig	T T C G C T A T T G - C C C C A G C T C A A C A T G G A A A C G G A T G G T A A A A C T - - T G C T C T G G A A T T A C T C A T G T T T C C T G A T T C - - - -	3504

Majority	- - - - T A T C A A G A T T A C T A A A G A G T T G X T T T A A G T T T T A A A T T A T T A A T C T A A G T G T A C T G G C T T T G - T - - A A A T G G C A T T	
	4890 4900 4910 4920 4930 4940 4950 4960	
Human	T T C C T G T G G A G A C T A C T A A A G A G T T - - - - T A A G C G T T A A A T T A T T A A T C T C A G T A T A C T G G C A T T G - T A G A A A T G G C A T -	2232
PolarBear	-----	0
Cow	- - - - T A T T A A G A T T A C T A A A G A G T T G A A T T A A G T C T T A A A T T A T T A A C C T A A G T G T A G C G G G - - - - - - - - A C A T T A T G T -	3645
Dog	- - - - C C C C A G A A G T A - - - - - - - - T C A T T T T G C C C C T T G G T A A T C C C T T C C T C T G T C T G T C T T T C - C C C A A C A A C A A T	3895
BelugaWhale	- - - - T A T C A A G A T T A C T A A A G A G T T - - - - - A A G T T T T A A A T C A - - - - - - - - A A G G G T A A A G G G - - - - - - - - - - G T A T T	3696
Donkey	- - - - T A T C A A G G T G A C T A A A G A G T T G A T T C A A A T T T T A A A T T A C T A A T C T A A G T G T A C C A G T T T T G - T A A A A G T G A C A T T	3378
Cat	- - - - T G T C A G G A T A A C T A A A G A A T T G T T T T A A G T T T T A A A C T A T T A A T C T A A G T A T A C T A G C T T T G - T G G A A A T G G C A T T	4742
Ferret	- - - - T A T C A A G A T A A A G A - - - - G T T G G T T T T A A G T T T T A A A T T A A T A T T T A G G T G T A C A A G C C T T G - A G T A A A T G A C A T T	3742
Lion	- - - - T G T C A G G A T A A C T A - - - - A A T T G T T T T A A G T T T T A A A C T A T T A A T C T A A G T A T A C T A G C T T T G - T G G A A A T G G C A T T	3696
Vaquita	- - - - T A T C A A G A T T A C T A A A G A G T T - - - - - A A G T T T T A A A T C A - - - - - - - - A A G G G T A A A G G G - - - - - - - - - - G T A T T	3582
Pig	- - - - T A T C A G A A T T A C T G A A G A G T T G A A T T A A G T T T T A A A G T A C T A A T C T A A G T G T A A C T A G T T T G G T A A A A A G G G G G T T	3580

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Majority	ATAGTC- TTTGGGGTTTTGTTCTTTTTG- CTATTTAAAGTGTT- TTAAAAA- - ATACCAXAAGTTTAGT- GAXTTTCATC										
	4970	4980	4990	5000	5010	5020	5030	5040			
Human	- - AGTGT TTTGGG- TTTTGTCTTTTTGGCTATTGAATGTGTTGTTAAAAA- - ATACCACAA- - - - - G- - - - - TTGTC										2295
PolarBear	-----										0
Cow	- - AGGC- TTTGGGGTTTTGTTCTTTTTG- CTATTTGAAAT- - - - TAAAAA- - AAAACACCGAAACTGT- GAGTTTCCTC										3714
Dog	TGATCC- TCT- - - - CTCTGTCACTGTAG- GGTCAAGTTTGCATTTTTTAGAA- - TTTTAAGGGAGTCAGG- - ATGTACCTC										3965
BelugaWhale	ATAGGC- TTTGGGGGCTTGTTCAGTTTG- CTATTTGAAGTG- - - TAAAAA- - ATACCAAAGTGTGGT- GAGTTTCATC										3768
Donkey	GTAGTG- TTTGGGGTTTTGTTCTTTTTG- CTATTTAAAGTGTTAAAAAATACCATACCATAAGTTTAGT- GAATTTTCATC										3455
Cat	ATAGTTTCTTGGGGTTTTGTTCTTTTTG- GTATTTAATAGGTTATTTAAAAA- - ATACCAGGAGTTTAGT- - GATTTTCATC										4817
Ferret	CTAGTG- TTTGGGGTTTTGTTCTTTTTG- ATATTTAAAGGGTTGTTAAAAA- - AATACAGGAAGTTTAGTGAATTTTCATC										3818
Lion	ATAGTT- CTTGGGGTTTTGTTCTTTTTG- ATATTTAATAGGTTATTTAAAAA- - ATACCATGAGTTTAGT- - GATTTTCATC										3770
Vaquita	ATAGGT- TTTGGGGGCTTGTTCAGTTTG- CTATTTGAAGTG- - - TAAAAA- - ATACAAAAGTGTGGT- GAGTTTCATC										3654
Pig	AGAGGC- TTCGGGAGTTTGCTCTTTTTG- CTGTTTAAAGTG- - - TTGACAA- - ATAGCAAAGTGTAGT- GAGTTTCCTC										3652

Majority	TCACGTTTGAAAGTXATTTCTAGAAAACCAAGTTGATAATAGTACACXG- AACXATCAXTGA- - - - - T- TGTTT										
	5050	5060	5070	5080	5090	5100	5110	5120			
Human	TCACATTTGAAAGTTACTTTTAGAAAACCAAGTTGGTAACAGTACAGGTAAGTCACGGATCATCTGTGGTATTTTTTATC										2375
PolarBear	-----										0
Cow	ACATGTTTGAAAGTCATTTCTAGAAAACCAAGTTGATAATGTTCCACCG- - ACCATCTTTGT- - - - - - - - - - - GTGTGTTT										3782
Dog	TTTGGTTTTATTTCACTTACTCTAATTATT- - TTGAGATTTACTCATGTTATCTATCAATAG- - - - - - - - - - - TCTATTT										4032
BelugaWhale	ACACCTTTGAAAGTCATTTCTAGAAAACCAAGTTGATTATGTGCCACTG- - ACCATCTTT- - - - - - - - - - - GTTT										3830
Donkey	TCACGTTTGAAA- - - ATTTCAAGAAAACCAAGTTGATAATAGTGCAAAG- AAGTGTCACTGACCATCTGTGTATTTGTTT										3531
Cat	TTAAGTTTGAAAGCAATTTTTAGAAAACAGGTTTAAAATAGTACAAAG- AATTGTCACTGACCATCTGTGTATCTGTTT										4896
Ferret	TCAAGTTTGAAAGTAATTTCTAGAAAACAG- - TTGAAAATAGTACAGGG- AGGTGTCACTGA- - - - - - - - - - - CTTGTTT										3884
Lion	TTAAGTTTGAAAGCAGTTTTTAGAAAACAGGTTTAAAATAGTACAAAG- AATTGTCACTGACCATCTGTGTATCTGTTT										3849
Vaquita	ACACCTTTGAAAGTCATTTCTAGAAAACCAAGTTGATTATGTGCCACTG- - ACCATCTTT- - - - - - - - - - - GTTT										3716
Pig	TCACGTTTGAAAGTCATTTCTGGAAAACCAAGTTGGTAACACATCACTG- - ACCATCTTTTT- - - - - - - - - - - GT- TGTTT										3719

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Majority	TCCATCTGCATX- - - GTGAGT GGAAGATTTATGAATGATGAACTACCCT- AAAAAGTT- - - - TCAAACACTGAC- CATT	
	5130 5140 5150 5160 5170 5180 5190 5200	
Human	CCCATCTGTGTGTGAGTGGCTGGAAGATTTATGAATGATGGACTATCCTAAAAAGTTTATAGAGCCAAAGAGTGAGTGATT	2455
PolarBear	-----	0
Cow	TCCATCTGCATT- - - TTGAGT GGAAGATTTATGATTGATGAACTACCCT- AAAAAGTT- - - - TCTAACAGTGAC- CATT	3852
Dog	TTT- CTTGCTTA- - - GTAGTATTACATTTTATGGATATACAGCAATTTG- TTTATCCA- - - - TTCAACTCTTGG- GTTG	4101
BelugaWhale	TCTGTCTGCGTT- - - GTGAGTGGAAAATTCATGAATGATGAACTACCCT- AAAAAGTT- - - - TCAAACAATGAC- CATT	3900
Donkey	TGCATCTGCATT- - - GTGAGT GGAAGGTTTATGAATGATGAACCACTCTTAAAAAGTTGAG- - TCAAACAGTGAC- CATT	3605
Cat	TCCATTTGCATG- - - GTTAGT GGAAGATTTATGAATGGTAACTACC- - - TAAAGTT- - - - TTAGAGACCAAC- AGTG	4964
Ferret	TCCATTTGCATG- - - ATGAGTGGATGATTTATGAATGATGAACCACCCT- AAAAAGTT- - - - TTAGAGTCCAAC- AGTG	3954
Lion	TCCATTTGCATG- - - GTTAGT GGAAGATTTATGAATGGTGAACCTACC- - - TAAAGTT- - - - TTAGAGACCAAC- AGTG	3917
Vaquita	TCTGTCTGTGTT- - - GTGAGTAGAAAATTCATGAATGATGAACTACCCT- AAAAAGTT- - - - TCAAACAATGAC- CATT	3786
Pig	TCCATCTGCATC- - - GTGAGTGCAAGGTTTATGAATGATGACCCACCCT- AAAAAGTT- - - - TCTTTTGAGGA- - - - -	3784

Majority	AG- - - AATAACAAGAGGTTGAACTTATTCTTTTTTTTTTT- - - - - ACAGAATTGTCACTGAGGTTGCAGTTGGCGTGAA	
	5210 5220 5230 5240 5250 5260 5270 5280	
Human	AGAAGAATAACAGGAGGTTGAACTACTTATTTTTTCTTT- - - - - GCAGAATCGTCACTGAGGTTGCAGTTGGCGTGAA	2529
PolarBear	-----	0
Cow	TG- - - AATAACTAGAGGTTGAAGCTTTTTGTTTGTGTTTT- - - - ACAGAATTGTCACTGATGTTGCAGTTGGCGTAAA	3925
Dog	TTTCCAGTTTTTGA CTATTGTAAATAAAGCTACTGTGAACA- - TCCTTGTAAAAGTCTTTGTGTGA ACTTTTTCATTTCTC	4179
BelugaWhale	TG- - - AAGAACAAGAGGTTGAACTTGTTTTTTTTTTCATT- - - - - ACAGAATTGTCACTGAAGTTGCAGTTGGCGTGAA	3970
Donkey	AGAAGAATAACAAGGAGTGTGAACTAACTGTTTTTTTTCTTT- - - - - ACAGAATTGTCACTGAGGTTGCAGTTGGCGTGAA	3680
Cat	AT- - - CATTAAGAATAA- GAGGTTGAACTATTTTTTTTT- CTTTACAGAATTGTCACTGAGGTTGCAGTTGGCGTCAA	5040
Ferret	AT- - - CATTAGAAAAATAATGAGGTTGAACTATTTTTTTTT- - TTCACAGAATTGTCACTGAGGTTGCAGTTGGCGTGAA	4030
Lion	AT- - - CATTAAGAATAA- GAGGTTGAACTATTTTTTTTTTCTTTACAGAATTGTCACTGAGGTTGCAGTTGGCGTCAA	3994
Vaquita	TG- - - AAGAACAAGAGGTTGAAATTTGTTTTTTTTTATT- - - - - ACAGAATTGTCACTGAAGTTGCAGTTGGCGTGAA	3856
Pig	- - - - - ATAACAAGAGGTTGAGACTTGTTTCTTTTTTTTTTTTTCATTGCAGAATTGTTACTGAGGTTGCAGTTGGCGTGAA	3858

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Majority	GGTAGGAAAAAATTGTTT- XAACTAATGAAAACCTGGATTGCTGAATCTACTXT- - - TATTATCAA- - - X- - TGGAAAXTT								
	5290	5300	5310	5320	5330	5340	5350	5360	
Human	GGTAGGAAAATACTAT- - - - - GTTTGAAAACCTGGGATTGTTGGATCTATTAT- - - CATAATTAC- - - - - TGGAAAATT								2593
PolarBear	-----								0
Cow	GGTAGGAAAACAGTGTTTAAAACCTAAGGAAAGCTGGGTTCCCTCGATCTACTGAGTGTATTATCATTAA- - - AAGGAAACTT								4002
Dog	TTGGGGAAATACCTTT- - - - GATTGG- AATGACTGGATCGTTTGGTATGCATA- - - TGCTATTAACCTTT- - TTTAAAGTT								4249
BelugaWhale	GGTAGGAAAAAA- - GTTTAAAACCTAATGAAAACCTGGATTCCCTCAGTCAACTGAGTATATTATCATCATTAGTGGAAACTT								4048
Donkey	GGTAGGACAAGATTGA- - - - AACTAATGAAAACCTGGATTACTGCATCTGCTAT- - - TATCATTA- - - - - TGGAAATTT								3747
Cat	GGTAGGAAAAAATTGTTTGCAACTAATGAAAACAGAATGGCTGAATCTACTAT- - - TACCATCAA- - - T- - GGAAATTTT								5112
Ferret	GGTAGGAAAAAATTGA- - - - AACTAATGAAAACCTGAATTGCTGAATCTGTTGT- - - TACCATTGA- - - - - TGGAAATTT								4097
Lion	GGTAGGAAAAAATTGTTTGAAAACCTAATGAAAACAGAATGGCTGAATCTACTAT- - - TACCATCAA- - - C- - GGAAATTTT								4066
Vaquita	GGTAGGAAAAAA- - GTTTAAAACCTAATGAAAACCTGGATTCCCTCAGTCAACTGAGCATATTATCATCATTAGTGGAAACTT								3934
Pig	GGTAGGAAAAGATTGCTTAAACCTAATGAAAACCTGGATTCCCTCAATCTGCTTTATGTATTATCATCATTGATAGAAGCTT								3938

Majority	TCAG- - TTAGCTTTTGAAAACCTATAATXXA- - - - - CAAAACXCAAGTGTAAAGTGTXXXTTTAATTTTAAAG- - TTG								
	5370	5380	5390	5400	5410	5420	5430	5440	
Human	TTAGCTTTTGCTTTTGAAAACCTATAACGTAGCT- AACAAAACCCAAGTGTAAAATGTTTCCTTTCATTTGTAAG- - TTG								2670
PolarBear	-----								0
Cow	TCTG- - TTGACTTCTGAAAACCTATAATATAGCTTACAAAATTCCAGTGGAAAGTACTT- GTTGAATTTTAAACA- - TTG								4077
Dog	TTGA- - GAAACTCCAGAC- CATATT- CCAA- - - - - AATGG- - - - - TTGTATTATTTTACATTGCTACCAAAGGGTATG								4314
BelugaWhale	TCTG- - TTGGCTTTTGAAAACCTGTAATACAGCTT- ACAAATTC AAGTGTAAAGTGTXXXTTTCAATTTTAAAG- - TTG								4123
Donkey	TCAC- - TTAGCGTTTGAAAACCTATAATATAGCT- AACAAAACCTAAATGTAAAGTGTXXXTTTAAATTTTAAAAA- - TTG								3822
Cat	TAAG- - TTAGCTTTTGAAAGTTAGAGTTAA- - - - - CAAAACCCAAGTGTAAAGTGTXXXTTTAAATTTTAAAG- - TTG								5182
Ferret	TCAG- - TTAGCTTTTGAA- GTTACAGTTAA- - - - - CAAA- - - - - GTGTAAAGTGTXXXTTTGAATTTTAAAAAAGTTG								4163
Lion	TAAG- - TTAGCTTTTGAAAGTTAGAGTTAA- - - - - CAAAACCCAAGTGTAAAGTGTXXXTTTAAATTTTAAAG- - TTG								4136
Vaquita	TCTG- - TTGGCTTTTGAAAACCTATAATACAGCTT- ACAAATTC AAGTGTAAAGTGTXXXTTTCAATTTTAAAG- - TTG								4009
Pig	TCTG- - TTGACTTTTAAAAACCTGTAATTT- - - - - TCAAACCTCAAGTGCAGAGTATT- - - T- - - - TTTCTAAAG- - TTG								4001

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Majority	CCCAATTTTCTGAGG- GGAAATTATGGTTTTAAATGGACAGATAA- GTGATTTGACCTAAATCATATAATTTTATTAATC	
	5610 5620 5630 5640 5650 5660 5670 5680	
Human	CCCAATTTTCTGAGG- GGAAATAATGATTTTAAATGGATGG- TAA- GTGGTTTGACCTATATCTTATAATTTTGTTAATC	2885
PolarBear	-----	0
Cow	CCCAATTTTCTGAGG- GGAACCTTATGGTCTAAATGGACAGATAAAGTGATTTGACCTAAATGATATAATTATAGTAATA	4294
Dog	TTTTGCCAGCTGTAT- ATCATCTTTGATGAAGTGTGTCTATATCT- CTTGCCACTTTTTAAATTGGATTACTGTTGAGT	4534
BelugaWhale	CCCAATTTTCTGAGA- GGATATGATGGTTTTAAATGGACAGATAA- GTGATTTGACCTAAATCATATAATTTTATTAATC	4351
Donkey	CCCAGTTTTCTGAAGCGGAAATTATGGCTTTAAATGGCCAGATAAAGTGATTTGACCTAAATTATGTAATTTTGTTAACC	4046
Cat	CCCAATTTTCTGAGG- GGAAGTTATGGTTTTAAGTGGGCAGATAA- GTGATTTGACATAAGTCATATAATTTTATTAATC	5398
Ferret	CCCAGTTTTCTGAGG- GAAAATTATGGTTTTAAATGGGTAGATAT- ATGATTTGACCTAAATCATGTAATTTTGTTAATC	4387
Lion	CCCAATTTTCTGAGG- GGAAGTTATGGTTTTAAGTGGGCAGATAA- GTGATTTGACATAAATCATATAATTTTATTAATC	4355
Vaquita	CCCAATTTTCTGAGA- GGATATGATGGTTTTAAATGGACAGATAA- GTGATTTGACCTAAATCATATAATTTTATTAATC	4237
Pig	TTTTTTTTTTTGGAGG- GGAAATTACGGTTTTAAGTGGACAGATAA- GTGATTTGAGCTAAATCACA- -----	4220

Majority	TAAGATTTTTTTT- ACT- - X- - XTTTTTGTATGAAGACTAAAATATT- - TTTGTCAATAATAAGCCACATTAGAAATCAG	
	5690 5700 5710 5720 5730 5740 5750 5760	
Human	TAAGTTTTTTTGTTTTTTATTACTTTTTGTTCATGAAAATGAATATATT- - TTGGTTAATAATAAAGCCACATTAGAAATGAA	2963
PolarBear	-----	0
Cow	TAAGATTTTTTTTCACTC- TGCTTTTCTGTTATGAAGTCTGAGATATT- - TTCACTAGTAATAAGCTTCATTAGAAATCAG	4371
Dog	CTTAAGTCTTCA- ----- TTCTGGTTATAAGTCTTTTATCAGT- - TATATGGTTAATATTTTCTACCATTTGT- AT	4601
BelugaWhale	TAAGATTTTTTTTAGCTC- TGCTTTTGTCTTACGAAGACTAAAATATT- - TTCACCAATAATAAGCCTCATTAGAAATCAG	4428
Donkey	TAAGAATATTTT- - TTT- CTCTTCTCTTTATGAGGACTAAAATATTTTTTTTGTAGTAATAAAGCCACATTGGAAAT- AG	4122
Cat	TAAGTGTTTTTT- AAC- ----- TTTTGATTATGAAGACTAAAA- ----- TGTGTCAGTAGTGAGCCACATTAGAAATCAG	5465
Ferret	TAAGATTTTTTTTAAAC- ----- TTTTCATTATGAATACTAAAATATG- - TATGTCAACAATGAACTACATTAGAAATCAG	4459
Lion	TAAGTGTTTCT- - AAC- ----- TTTTGATTATGAAGACTAAAA- ----- TGTGTCCGTAGTGAGCCACATTAGAAATCAG	4421
Vaquita	TAAGGTTTTTTTATAGCTC- TGCTTTTGTCTTACGAAGACTAAAATATT- - TTCACCAATAATAAGCCTCATTAGAAATCAG	4314
Pig	---- ATTTTTTCCACTC- TCTTTTTTTGTCTTACAAT- - GAGAAATT- - TTTGCCAATAATAAGCCTCATTAGAA- TTAA	4290

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Majority	- TTACCCTGATCTTTAAAAAGAA- - - - GAAACTTGTTTAGGCAXTTAGCTTCAAATTXGAGTCAGAAGTTA- AGAGCTGG	
	5770 5780 5790 5800 5810 5820 5830 5840	
Human	- TTACACTGATCCTTAAAAAGGA- - - - - AGTTGTTGAGGCAGTTAGCTTCAAATTTGAATTAGAAGTTA- AGAGCTGG	3034
PolarBear	-----	0
Cow	TTTACCCTGATTTTTAAAGAGAATAAAGAAACTTGTTTCAGGCAGTTAGCTTCAAATTTGAGTCAGAAGTTATAGAGTTGG	4451
Dog	- TTTCAATTGTCTCGATAG- - - - - TGTCTTTTGAAGAACAGCAGTTTTTAATTCTGAAGAACTG- AAGTTTA-	4665
BelugaWhale	- TTGCTCTGATCTTTAAAGAGAA- - AAGAAACTTGTTTAGGCAGTTAGCTTCAAATTTGAGTCAGAAGTTATAAAGCTGG	4505
Donkey	- - TTACCTGACTCTTAAAAAGAA- - - - AAGATGTGTTTAGGCAATCAGCTTCAA- - AGAGTCACAAGTTA- AGAGCTGG	4193
Cat	- TTATCTTGATCTTTAAAAACAAGC- - - GAAACTTGTTTCAGTAATTAGCTTCAAATTAGAGTCAGAAGTTA- AGAGCTGG	5540
Ferret	- TTATCTTGATACTTAAA- - - - - CTTGTTTAGGCAATTAGCTTCAAATTAGAGTCAGAAGTTA- AAAGCTGG	4524
Lion	- TTATCTTGATCTTTAAAAACAAGC- - - GAAACTTGTTTCAGTAATTAGCTTCAAATTAGAGTCAGAAGTTA- AGAGCTGG	4496
Vaquita	- TTGCTCTGATCTTTAAAGAGAA- - AAGAAACTTGTTTAGGCAGTTAGCTTCAAATTTGAGTCAGAAGTTATAAAGCTGG	4391
Pig	GTTACCCTGATCTGTAAAAAGAA- - AGGAAACCTGTTTAGGCAGTTGGCTTCAAATTTGAGTCAGAAATTAAGAGCTGG	4368

Majority	TTTGTCTTTCTATTAAAGG- - - - - AAXATAGGCCTTAT- - - - -	
	5850 5860 5870 5880 5890 5900 5910 5920	
Human	TTTGTCTATTAAGAAAGTCTTTATGGTAGAGATCCTTTGGAATCCTTCCTTTTTGGCTAAGAAAACACTACTCATCGTTTA	3114
PolarBear	-----	0
Cow	TTTGTGCGTCTACTAAAGA- - - - - AAGTTAGTCCTTACATAGAGATTGTTTAGAATCTTTCGTCACCTTTGGCCAG	4525
Dog	- CCAATTTTATGTTGTATG- - - - - GCTCATTTCTAAGC- - - - -	4697
BelugaWhale	TTTGTGTGTCTGTTAAAGA- - - - - AAGATAGGCCTTA- - - - -	4537
Donkey	CTTTTCTTGCTGTTAAAGG- - - - - GAAACAGGCCTTAT- - - - -	4226
Cat	TTTGTCTTTCTATTAAAGG- - - - - AAAATAGCTGTTAT- - - - -	5573
Ferret	TTTGGCTTTCCATTAAAGG- - - - - AAAATAGGCCTTAT- - - - -	4557
Lion	TTTGTCTTTCTATTAAAGG- - - - - AAAATAGCTGTTAT- - - - -	4529
Vaquita	TTTGTGTGTCTGTTAAAGA- - - - - AAGATAGGCCTTA- - - - -	4423
Pig	TCTGTGTGTCTATTAAAGG- - - - - AAGGTAGGCTTT- - - - -	4399

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Majority	----- GGTA- - GAGATCGTTTGAATCTT- - XCTCXCT- - CTTTTTGGCCAGGA	
	5930 5940 5950 5960 5970 5980 5990 6000	
Human	AACTTTAGTTCTAATGCTTAACATTTTCTTGAGTACTTGCAACTTTTAATGTCATGATGTATTGTAATTTTTTTTTGTTT	3194
PolarBear	-----	0
Cow	AAAACTATTCATACTTTAAACCTTAGATCTAGTGTAGAGATTGTTTAGAATCTTT- CCTCACT- - CTCTTTGGCCAGAA	4602
Dog	----- CAAA- - TTTGCCTAACAAAGATTT- - TTT- TCT- - CTTTTGGTTTTTCT	4739
BelugaWhale	----- T- GGTA- - GAGATTGTTTGAATCTTT- CCTCACT- - CACTATGACCAGGA	4582
Donkey	----- GGTA- - GAGGTTCTTTGGGATCTTT- CCTCACAGACTTTTTGGTCAGGA	4272
Cat	----- AGTA- - CAGATCATTTGAATCTT- - TCCCTCA- - CTTTTTGGCCAGGA	5616
Ferret	----- GGTA- - CAGATAATTTGAATCTT- - TCC- TCA- - CTTTCTGGCCAGGG	4599
Lion	----- GGTA- - CAGATCATTTGAATCTT- - TCCCTCA- - CTTTTTGGCCAGGA	4572
Vaquita	----- T- GGTA- - GAGATCGTTTGAATCTTT- CCTCACT- - CACTATGGCCAGGA	4468
Pig	----- CTGGTG- - GAGATTGTGTGGCACCT- - - CCTCACT- - CTCTGTGGCCGGGA	4443

Majority	AAACTACTCXT- CTTTAAACCTTAGTTCTAATGCTTAGGCCTTTXAT- TTCCTTGAATCCTTGCAXATTTTAA- - - CATC	
	6010 6020 6030 6040 6050 6060 6070 6080	
Human	TTTGTTTTTTTGAGACGGAGCCTCACTCTGTTGCCAGGCTGGATGCAGTGGCACGATCTTGGCCCACTGCAACCTCTGC	3274
PolarBear	-----	0
Cow	AAACTATTCATACTTTAAACCTTAGATCTAGTGCTTAGGCCTTTCAT- TTCCTTGAATCCTTGTACATTTTAA- - - CATT	4678
Dog	AATAGAAGT- - - TTTACAGTTTTTGGGTTTGCATTTAAGTTTTTTTT- TTAGTTCATTTTTTTTTTAATACAGTG- CAAA	4814
BelugaWhale	AAACTACTCATACTTTAAACCTTAGTTCTAGTGCTTAGGCCTTTCAT- TTTCTTGAATCCTTGCATATTTTAA- - - CATC	4658
Donkey	AAACTACTCATTCTTTAAACCTTAGTTCTAATGCTTAGGCCTCTTGT- GTCCTTTAATCCTTGCACATTTTAA- - - CATC	4348
Cat	AAACTACTC- - - CTTTAGACCTTAGTTCTAATACTTAGGCCTTTGAT- TTCCTTGAATCGTTGCACATTTTAA- - - CAGC	5689
Ferret	AAACTACTC- - - CTTTAGACCTTAGTTCTAATGTTTAGGTCTTTTAT- TTCCTTGAATCCTTGCATATTTTAA- - - CAGA	4672
Lion	AAACTACTC- - - CTTTAGACCTTAGTTCTAATACTTAGGCCTTTGAT- TTCCTTGAATCGTTGCACATTTTAA- - - CAGC	4645
Vaquita	AAACTACTCATACTTTAAACCTTAGTTCTAGTGCTTAGGCCTTTCAT- TTTCTTGAATCCTTGCATATTTTAA- - - CATC	4544
Pig	AGACTACCCATTCTTTAAACCTCAATTCTAATGCATAGGCCTTTCAT- TTTCTTGCATCCTTGCATGTTTTGA- - - CATT	4519

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Majority	TT-----TCCCCCTTCAAGTGTGAGTAGTCTTGAGAGGCTGTGTGC-----TAT-----AGTCCAGTTATT	
	6250 6260 6270 6280 6290 6300 6310 6320	
Human	TCTTATGATCTGCCTGCCTTGACCTCCCAAAGTGCTGGGATTACAAGTGTGAGCCACCGTGCCCGGCCTGTATTGTCATT	3512
PolarBear	-----	0
Cow	TT--T-----AC-----CTCC-TTCAAGTATGAGTGGTCAAGAGAGGCAGTTTGC-----TCTTGAGAGTCCAGTTATT	4870
Dog	TG-----TATCCTTTTCCACTGACCCATTTTATCCATCTAGATGCC-----AAAAACAAACTGTGTTAAT	5014
BelugaWhale	TTGGATGCAGTGACATTTCCCCCTTCAAGTGTGAGTAGTCTTGAGAGGCTGTGTGC-----TTA-----GTCCCGTTATG	4863
Donkey	TT-----TCCCCCTTGAAGTGTGAGTAGTCATGAGAGGCTGTGTGC-----TT-----AGCTCAGTGATG	4542
Cat	TT-----TCCCCCTTCAAATATGAGTAGTCTTGAGAGGCTGTGTCTTAGTATAGTGATGGTGACTGTT	5892
Ferret	TT-----TCCCCCTTCAAGTGTGAGTAGTCTTGAGAGGATGGTGAC-----TATAATATTTTTTGAATT	4870
Lion	TT-----TCCCCCTTCAAGCGTGAGTAGTCTTGAGAGGCTGTGTCCGTAGTATAGTGATGGTGACTGTT	4848
Vaquita	TTGGATGCAGTGACATTTCCCCCTTCAAGTGTGAGTAGTCTTGAGAGGCTGTGTGC-----TTA-----GTCCAGTTATG	4749
Pig	TT--T-----CC-----CCCCCTTCAAGTGTGCGTAGTCCTGAGAGGCTATGGTG-----CCT-----AGTCCAGTGATG	4721

Majority	C-TGATTTTTCTA--AATAATTTTTGGAATTCTTAAATTTTCATCCATAACXGTGTGATATTT-----TTT-----	
	6330 6340 6350 6360 6370 6380 6390 6400	
Human	TTTCATTTGCAAGCCTCTCTGTCTGAGAGGCTTTCTGCTTAGTCCAGTGATGCTGACTGTTCAAACATTTTTTTCGAATT	3592
PolarBear	-----	0
Cow	CCTGACCATTCTA--AATAATTTTTGGAATTCTTAAATTTTCATCAATAACAATGTGATATTC-----TTT-----	4934
Dog	TATGATGACTTTAGTCTTGAAATCAAGCAGTCAT-GGTCTCTTTGTTCTTTTTCAAAGTTGT-----TTT-----	5079
BelugaWhale	C-TGATTGTTCCA--AATAATTTTTGGAATTCTTAAATTTTCATCCATAACAGTGTGATATTA--TTC-----	4926
Donkey	C-TGACTGGTCAC--AATACTTTTTGGAATTCTTGAAATTTTATCCTAAACAGTGTGAGATTC-----TTT-----	4605
Cat	CACAGTATTTTTGTAAATAGTCTTTAGAATACTTTAGGGAATATTTTGTATTTCTTGCTTAT--TTTCTGTCTCTGC	5969
Ferret	CTTAAATTTTCATCCACAACAATGTGGTATTCTTTAGAATACTTTAAGAGATATTTTGT-----TCT-----	4936
Lion	CACAGTATTTTTGTGATAGTCTTTAGAATACTTTAGGGAATATTTTGTATTTCTTGCTTAT--TTTCTGTCTCTGC	4925
Vaquita	C-TGATTGTTCCA--AATAATTTTTGGAATTCTTAAATTTTCATCCGTAACAGTGTGATATTA--TTC-----	4812
Pig	C-TGACTATTGCA--GCTAATTTTTGGAATTCTTAAAGTTTCATCCATAACAGTGTGATATT-----	4780

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Majority	GGAGAAXTXATGAGCX- CTTTGTGGGAAGXTGTATTTATTTTATTTGGCAATGXTTTTTTC- - - A- GXTGAGAXTGT-	
	6570 6580 6590 6600 6610 6620 6630 6640	
Human	CTGCACGTTGTACTCATGTACCCTAAAACCTTAAAGTATAATAATGATAATAATAATTGTATCCATAATGATGTGGTGTTC	3831
PolarBear	-----	0
Cow	GGAGAAGTAATGAGCT- TTTTGTGGGAAGGTGTATTTATTTTATTCAGCAATGGTATTTTC- - - - - TAAGAGGGTC	5129
Dog	----- TTTCTACAAAAAAG- - - - -	5146
BelugaWhale	GGAGAAATGATGAGCT- CTTTGTGGGAAGGTGTATTTATTTTATTTGGCAATGCTGTTTTCT- - - AAGTTGAGAGTGCA	5121
Donkey	GGAGAAATAATGAGCTTTTTGGGGGAAGATATATTTCTTTCTATTTGGCACTGATAGTTTCT- - - AAGTTGAGATAGT-	4797
Cat	CTCTGAGCTGTCAGCA- CAGAGCCTAACACGGGACTTGAACCTATGAACCTATGAGATCATGACCTGAGCCTGAGGTTATG	6206
Ferret	----- TTTAGGCTTATTT- - - - -	5002
Lion	CTCTGAGCTGTCAGCA- CAGAGCCCAACACGGGACTTGAACCTATGAACCTATGAGATCATGACCTGAGCCTGAGGTTATG	5162
Vaquita	GGAGAAATGATGAGCT- CTTTGTGGGAAGGTGTATTTATTTTATTTGGCAATGCTGTTTTCT- - - AAGTTGAGAGTGCA	5011
Pig	GGAGAAATAATGAG- - - TTTTGTGGGAAGATGTATTTATTTTATTTGGCAGTGATTTTCTTA- - - A- GTTGAGAGTGCA	4962

Majority	A- XTGTAGAXA- - - X- G- X- - - - AX- - - CATCCAAXCX- - - - - - - - - CC- CTTGAAATGAT- X- - TX- - X- - - - X- -	
	6650 6660 6670 6680 6690 6700 6710 6720	
Human	TTTCAAATACTTTTGGGGATGGTACTGTGTTTTCTTGCTTATTTTCTGTCCCTTTTCCTATAGTGAAATAGATATTTGCC	3911
PolarBear	-----	0
Cow	AGATGTAGTTA- - - - - AC- - - CATCCAAGCA- - - - - TATCTTCTGGAAGTGAA- - - - -	5169
Dog	----- CTTGCTAGGATTT- - TATTGGAATTAA	5171
BelugaWhale	AGATGTAGATATTATAGTT- - - - - AC- - - CATCCAAACAG- - - - - CCTCTGGAAGTGAA- - - - -	5167
Donkey	- - - TGTAGG- - - - - A- - - - - - - - - - - - - - - TTAGAAATCAG- - - - -	4815
Cat	ACCTGAGTAAAAGTTGGATGCTTAAC- - - CAACTAAGCCATCCAGGCTCCCCACTTACCATGCTTTAATATTTAGGCTTA	6283
Ferret	----- TTTGAGTTCATAT- - TACGTAGATTGG	5027
Lion	ACCTGAGTAAAAGTTGGATGCTTAAC- - - TAACTAAGCCATCCAGGCTCCCCACTTACCATGCTTTAATATTTAGGCTTA	5239
Vaquita	AGATGTAGATATTATAGTT- - - - - AT- - - CATCCAAACAG- - - - - CCTCTGGAAGTGAA- - - - -	5057
Pig	AAATGTAGATGTTGTAGTT- - - - - AT- - - CATCCAAACAGA- - - - - TATCCCTTGAAAGTGAAGTT- TTTGTTTTTTTA	5027

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Majority	-----XTX-----GAATTTTXTAAAAGAATAAATGATACAAGTCTGAGTTGTGCTCXXCTGTTA--GTGGATGAGGAGA										
	6890	6900	6910	6920	6930	6940	6950	6960			
Human	----ACAG-ATTTCTGTAAATTTTGTAAAAGAATAAATGATACAAGTGTGAGTTGTGCGACTGTTA--GTGGAAAAGGAGA										4144
PolarBear	-----										0
Cow	-----TTTTTAAAAATATAAATGATGCAAGTCTGAGTTGTCA--ATTA--CTGGATAAGGAGA										5223
Dog	TG----TACAGTTTTTGTACGTTTTTGTAGATT--TATCCCTTTTTTGTGTTTTTGGTGCTATTGTAAATGATGTTG										5374
BelugaWhale	-----TTTTTAAAAGAATAAATGATTCAAGTCTGAGTTGTGAGCTGTTA--CTGGATGAGGAGA										5225
Donkey	-----GC-----GAATTTTGTAAAAGAATAGGTGATAGAAGTCTGAGTTATGC--TATTA--GTGGATGGGGAGA										4939
Cat	-----GGTATCCTGTGGAATTTTGTAAAAGAATGAATGACCCAAGTCTGAGTTGTTCACTGTTA--GTGGGTGAGGAGA										6506
Ferret	TT----GGTATCCTCTGGAATTTTGTAAAAGAATGAATGATACAAGTCTGAGTTGCCACTATTAGTGTGGATGAGGAGA										5239
Lion	TAGGTAGGTATCCTGTGGAATTTTGTAAAAGAATGAATGACCCAAGTCTGAGTTGTTCACTGTTA--GTGGGTGAGGAGA										5477
Vaquita	-----TTTTTAAAAGAATAAATGATTCATGTCTGAGTTGTGAGCTGTTA--CTGGATGAGGAGA										5115
Pig	CAGCTTATCCTGGATGTGAACTTTTTAAAAGAATAAATGATACAAGTCTGAATTGTGAGCTATTA--TTGGATGAGGAGA										5262

Majority	GAAGGAACTCAG-CAXGACCCAGAAXGAGXAG-----AGAGAAATGAGGAGACTCGGAATAGGATGTCCAGXTXTGGTTT										
	6970	6980	6990	7000	7010	7020	7030	7040			
Human	GGA-GTTTGTAGACAAGGCTCAGAATGAGTAGACAGGAAAAAACTGAGGAGACTTGGAATAGGATGTCCAGGTGTAATGT										4223
PolarBear	-----										0
Cow	AAAGGAATTCA--CAAAACCTAGAACAAGCAG-----AAAGAAATGAAGATGCTTGGAAGAGGGTGTTGAGATGTGGTTT										5296
Dog	TTTTTAAAAATCTCAAGTTTCCA-----GGGGCACCAGGAACTCC--ACTGA--GTTGAGGGTGACTCA										5434
BelugaWhale	AAAGGAACTCA--TAGGACCCTGAACAAGCAG-----AGAGAAATGAGGATGCCTGGAAGAGGATGTACATATTTGGTTT										5298
Donkey	GAAGGAACTCAGGTAAAGACTGAGAATGAGTAGGCAT-AGAGAAATGAGGAGACTCGGAATCAGATGTCTAGATATGGTTT										5018
Cat	GAAGGAATTGAGACAGGAGCCACCATGAGTAGGCC-AGAGATAGGAGGAGACTCAGGATTGGATGTCCAGGTATGGTTT										6585
Ferret	GAAGGAACTCAGACAAGAGGTA-----AGAAAAATGAGAAAAAGA--ATTGGATGTCCAGGTATGGTTT										5301
Lion	GAAGGAATTGAGACAGGAGCCACCATGAGTTGGCCC-AGAGATAGGAGGAGACTCGGGATTGGATGTCCAGGTATGGTTT										5556
Vaquita	AAAGGAACTCA--TAGGACCCCAAACAAGCAG-----AGAGAAATGAGGATGCCTGGAGGAGGATGTACATATTTGGTTT										5188
Pig	GAAGGAACTCAA-CAAGACCCAGAACGACCAG-----AGAGAAATGAGAAGACTCAGAAGAGGATGTTGAGATTTGGTTT										5336

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Majority	ATTGGXTGT- - - - - TTTCTGTGTTAGTAGTTTTGAXGAGAAAAAAX- - XTAGAAAATGATXTAAAAXTAATTGCCAACCA	
	7050 7060 7070 7080 7090 7100 7110 7120	
Human	ATTGGTTACACCAG- TTTTTTTTTTTTTTTTTTTGA- GACAGAGTCTCACTCTTCGCCCAGGTGGAGTGCAGTGGCACGAT	4301
PolarBear	-----	0
Cow	ATTGGCAGT- - - - - TTTCTACATTAGTAGTTTTGAAGAGGGAATGTTGTTAGAAAATTATGTTAAGTGGTT- GCTAGCCT	5369
Dog	GTGG- - - - - TTGAATGTTTGCCTTGGCTCAGGTCGTGAT- - CCTGGGGTCTGGGATCGAGTTCTGCAGCAG	5500
BelugaWhale	ATTGGCAGT- - - - - TTTCTGTATTAGTAATTTGAAGAGAAAACA- - - TTAGAAAATGATATAAAAAGTAATTGCTAGCCA	5369
Donkey	ATTGATTACACTAGTTTTCTATGTTAGTACTAGTTTTGAGGAGAAAGCATTAGGAAATGATATAAAAATAATTGCTAACTA	5098
Cat	ATTGGTTCTACCAG- TTTCTGTATTAGTGGTTTGAGGAGAAAAAAA- - TGGAAAATGATGTAAAAATAATTGCCAACCA	6662
Ferret	TACC- - - - - AGTTTTGTTAGTGGTTCAAGGAGAAGAAAAT- - TGGAAAATGATATGAAAATAATTGCCAACCT	5367
Lion	ATTGGTTCTACCAG- TTTCTGTGTTAGTGGTTTGAGGAGAAAAAAA- - TGGAAAATGATGTAAAAATAATTGCCAACCA	5632
Vaquita	ACTGGCAGT- - - - - TTTCTGTATTAGTAGTTTTG- - - - AAAACA- - - TTAGAAAATGATATAAAAAGTAATTGCTAGCTA	5254
Pig	ATTGGCTGTGCCGATTTTCTGTGTTAGTAGTATGAAGAGAAAACA- - - TTAGGAAATGATATAAAAAGCAAT- GTCTAATC	5412

Majority	TTTTTTTT- GTCCATTGTTTAATATAAAAAGTTTTGAATAACTGAAGTXXGTTTT- - - - XT- XXCTTTTCX- - - - AGTXG	
	7130 7140 7150 7160 7170 7180 7190 7200	
Human	CCTGGCTCACTACAAGCTCCGCCTT- - - - - CCGGGTTCACTCCATTCTTCTGCC- - - - - TCAGCCTCCC- - - - - GAGTAG	4366
PolarBear	-----	0
Cow	TTTTTTTT- GTCTGTTGTTTAATATAAAAAGTTTTGATAACTGAAGTGTATTTTTATAATCTGCTGCTGCTGCTAAGTCG	5448
Dog	GCTCCCTA- TGGGGGAGCCTGCTTCTCCCCCTGCCTGTGTCTCTGCCTCTCTT- - - - TGTGTCTCTCATGAATAAATAA	5575
BelugaWhale	ATTTTTTT- GTCCAGTGTTTAATATAAAAAGTTTTGATAACTAAAGTTATGTTTT- - - - -	5422
Donkey	TTTTTTAT- - CCC- TTGTTTAATATAAAAAGTTTTGAGTAACTCAAGTTATGCTCT- - - - -	5149
Cat	TTTTTTTTTATCCTTTGTTTAATATAAAT- TTTGAATAACCGAAGTTTTGTTTT- - - - ATGAACTTTTCTGAGACAGTGG	6737
Ferret	TTTTTTTA- ATCCATTGTTGAACATAAAAAGTTTTGAATAACTGGAGTTTTGTTTT- - - - ACGAACTTTTCTGAGGTAGTGA	5442
Lion	TTTTTTTTT- ATCCTTTGTTCAATATAAAAAGTTTTGAATAACCGAAGTTTTGTTTT- - - - ATGAACTTTTCTGAGACAGTGG	5707
Vaquita	ATTTTTTT- GTCCAGTGTTTAATATAAAAAGTTTTGATAACTAAAGTTATGTTTT- - - - -	5307
Pig	TTTATCTT- GTCTGTTGTTTAAAGT- - - - - TTTCAATAACTAAAATTATGTTTT- - - - ATCTAATTTTCTAGGATAATGG	5482

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Majority	XTAAXAATXTTGGCX- - XXXXT- CA- GCXTXXXTA- - - - AXGTX- TXXAGTT- X- - X- - - XATXTAATTTTCT- - - - -	
	7210 7220 7230 7240 7250 7260 7270 7280	
Human	CTGGGACTACAGGCGCCACCACCACGCCCGGCTA- - - - ATTTTTTGTATTTTGTAGTAGAGACGGGGTTTTCAC- - - - -	4435
PolarBear	- - - - -	0
Cow	CTTCAGTCGTGTCCGACTCTGTGCAACCCTGTAAACGTGAGTCCACCAGGCTCCCCATCCCTGGGATTCTCCAGGCAAG	5528
Dog	ATAA- AACCTTTAAAAAAAAT- GAAGTAAAAAAA- - - AATGTTTCCGTTATTAGT- - GTAAGGA- ACTACT- - - - ACA	5643
BelugaWhale	- - - - - A- - - - - AA- - - - - T- - - - - AATTTTCT- - - - -	5434
Donkey	- - - - - ATATGATTTTCT- - - - -	5161
Cat	TTAAGAATTTTTGCTTTGGAGT- CATGCATACGTA- - - CAAGTAGTTGAGTTCTCATT- GTATATATATTTTCT- - - - ATG	6808
Ferret	TTAAGAATTTTTGCTTTGGGAGT- GAAGCCTGTATA- - - TTAGTAATTAAGTTTTCAT- - ATATATA- TTTTTT- - - - TAA	5511
Lion	TTAAGAATTTTTGCTTTGGAGT- CATGCATATGTA- - - CAAGTAGTTAAGTTCTCATT- GTATATATATTTTCT- - - - ATG	5778
Vaquita	- - - - - A- - - - - AA- - - - - T- - - - - AATTTTCT- - - - -	5319
Pig	TTAAGAATTTTTGCTATGGCAT- CAGACCTATATA- - - CAAGTAATTAAGCT- - - - - TTCATGAAATTTTTT- - - - TAA	5548

Majority	- X- - XTXX- - - A- X- - TTCXTXGTG- - - - - - T- T- X- XAAXTXC- A- TX- XXXX- - T- AGGT- XAGX- - XXXXTXTT	
	7290 7300 7310 7320 7330 7340 7350 7360	
Human	CGTGTTAGCCAGGATGGTCTTGATCTCCTGACCTTGTGGTTACACCAGTTTTTTGTAGTT- GTTTGAGGAGAACAACCTTT	4514
PolarBear	- - - - -	0
Cow	AACACTGGAGTGGGCTGCCATTTCTTCTCCA- ATGCATAAAAGTAAAAAGTGAAA- - GTGAAGTCACTCAGTCG- TGTC	5604
Dog	GTTTTTTG- - CATGT- TTTCTTGTG- - - - - - TTCTTCACTCTTGCCAAACTCACTTGTTAGATCTAGTAGCTTTTTTGT	5712
BelugaWhale	- - - - -	5434
Donkey	- - - - -	5161
Cat	TGCCCTTAAAAAAA- TTCAAAGTGAAGGTATGTCTCCCAAATCCCAGTCTGTTTCTCAGGTGTAGGTAATTATGTT	6887
Ferret	TGTACATGGTTAAAA- TTCATAGTGGTAAATATTTCTCCCTGAGTTCTAGTCCTATTTCTCAGGTGTAGGTAATTATGTT	5590
Lion	TGCCCTTAAAAAAA- - TTCAAAGTGAAGGTATGTTTCCCAAATCCCAGTCTGTTTCTCAGGTGTAGGTAATTATGTT	5856
Vaquita	- - - - -	5319
Pig	AAGGTAAAAGTAGGAGTTCTAGCGTGGAGCG- GTGGAAACAAATCCGACTAGGACCCATGAGGTTGCAGGTTCAATCCC	5627

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Majority	AXAXTXXXXXGXT- - - - - XTXX- - C- CTGA- XXXTXX- X- XXT- - - TGTXXXXTXXXXXACAXTXX- AXX- X- - -	
	7370 7380 7390 7400 7410 7420 7430 7440	
Human	AGAAGATGATAAAAAAAAAATTGCAAATCGTTTTTAAAAATCCATTGTTAATATAAAAAGTCTGAATAATTAAAGT- - - -	4589
PolarBear	- - - - -	0
Cow	CAACTCTTCTTGACCCCATGGACTACAGC- CTACCAGGCTCCTCTGTCCATGGGATTTTCCAGGCAAGAGTACTGGAGT	5683
Dog	AGATACCATCAGAT- - - - - TTTCTACATAGACTGCTTATTTTAT- - - TTCTTCATTTTTTATCTTAATACCAT- - -	5777
BelugaWhale	- - - - -	5434
Donkey	- - - - -	5161
Cat	AAATTTTTCTTGGTGCTTT- - - - TTTTCCCTCTGAGGTGTTACCATTT- - - TGTATATTATCAAACATTAGCATCCT- - -	6957
Ferret	AAATTTTTCTTGGTGCA- - - - - TTTTTTCTGAAGTATTAATAGTT- - - TGTATATTATCAAACAGTGGTATCCT- - -	5658
Lion	AAATTTTTCTTGGTGCTTT- - - - TTTCCCTCTGAGGTGTTACCATTT- - - TGTATATTATCAAACATTAGCATCCT- - -	5926
Vaquita	- - - - -	5319
Pig	TGGCTTTGCTCAGTGGGTTAAGGATCCAGCACTGCTGTGAGCTGTGGTGTAGGTTGCAGACACGGCTTGGACCTGGTGT	5707

Majority	- - - - TGXTT- XXTXXX- - G- - XGGA- TTAXGXTTAAAGAXTXTTGGCTTTGGTGTGGA- - - TTTAAGTAC- AAGTAATTA	
	7450 7460 7470 7480 7490 7500 7510 7520	
Human	- - - - TAATTTAATTTTCTG- - - - GAATAATGGTTAAGAATTTTTGCTTTGGTGTGAGG- - - CCTGTGTAC- AAGTAATTA	4657
PolarBear	- - - - -	0
Cow	GGGGTGCCTATAATTT- - GCTAGGA- TAATGGTTAAGAATTTTTCTTTGGCGTTGGA- - - TTTATGTGCCAAGTAATTA	5757
Dog	- - - - TTTTTTTTTTTTTGG- - GCGACCCGACACCCTGCCTAGGTCCTGTGCGGCGGAAATCTAGTATTAGTGCTGAGTAG	5851
BelugaWhale	- - - - - A- - - GGA- TAATGGTTAAGAATTTTTGCTTTGGCGTCAGA- - - CTTAGGTAC- AAGTAATTA	5488
Donkey	- - - - - AGGA- - TACGATTAAGAGTTTTTATTTTGGTGTGAGA- - - CCTATGTAC- AAGTAATTA	5214
Cat	- - - - TGCTTACTTACACAG- - ATGGATTCATAACACATGTAAGTGGCCACATCTTGCCTTTTAAAGAACATAACTTTATTG	7031
Ferret	- - - - TGCTTGTATACACAG- - ATGAGTTCATACCATGTGTAAGTGGCCACATCTTGCCTTTTAAAAAATAACTTTACT	5732
Lion	- - - - TGCTTACTTACACAG- - GTGGATTCATAACACATGTAAGTGGCCACATCTTGCCTTTTAAAAACATAACTTTATTG	6000
Vaquita	- - - - - A- - - GGA- TAATGGTTAAGAATTTTTGCTTTGGCGTCAGA- - - CTTAGGTAC- AAGTAATTA	5373
Pig	TCTGTGGCTGTGGTGTAGGCTGGCAGCTACAGCTCAGATTAGACCCCTAGCCTGGGAACCTCCAGGTGCGACCCTAAAA	5787

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Majority	AGATTT	CATGAAAT	XTAAAAT	- - -	AAAATAAT	XXXT	GTTT	TATGGTT	-	AAAAAAAAAT	TCAAAGT	TAAAAGT	ATTT	CTCCC				
	7530	7540	7550	7560	7570	7580	7590	7600										
Human	AGTGTT	CTTT	AAAACT	TAAAC	ATTT	GTGAAT	TTGCTT	TAAAG	CACTGAT	GCATGT	GCATAT	TTTAAAA	AAATTCAG	GCC	4737			
PolarBear	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	0			
Cow	AGCTTT	CATGAAAT	TTAAAA	- - - -	AAGTA	ATACAT	GTGT	GAGTT	- -	AAAAAA	AATTCAA	-	GTGAAAA	ATTT	CTCCC	5829		
Dog	AAAAA	AGGGAT	GAGAG	CCAGT	- - -	CAAAAA	AATTC	TTTGT	CCCTT	TATAT	GAGGGG	TCTA	CTC	-	CCGGGG	AAAAAC	5927	
BelugaWhale	AGCTTT	TATGAAAT	TAAAAA	- - - -	AAAAT	- - - - -	GTGCAT	GGTT	-	AAAAAA	AAATTT	TAAAGT	GAAAAGT	ATTT	CTCCC	5556		
Donkey	AGCTTT	CATAAA	ATTTTT	TTTT	CTTTTT	GTA	AAAGT	AATAC	ATGCAC	GTGGT	TAAAA	AAATTC	CAGAGT	TGGA	AGTATTT	CTCCC	5294	
Cat	AGATT	CAATTT	GATATA	AAAAT	- - -	AAACT	GGACAT	ATTTT	TAAGT	ATACAG	CATCT	ATGAG	ACCATT	TACAA	TCAAGAT	7108		
Ferret	GGAGC	ACCTGG	GTGG	CTCAGT	- - -	GGGTT	AGCCT	CTGC	CTCAG	CTTGGG	TATGGT	CTGAG	GGTC	-	CTGGG	ATCGAG	GC	5808
Lion	AGATT	CAATTT	GATATA	AAAAT	- - -	AAACT	GGACAT	ATTTT	TAAGT	ATACAG	CATCT	ATGAG	ACCATT	TACAA	TCAAGAT	6077		
Vaquita	AGCTTT	TATGAAAT	TAAAAA	- - - -	AAAATA	AAT	- - - -	GTT	CATGGTT	-	AAAAAA	AAATTT	TAAAGT	GAAAAGT	ATTT	CTCCC	5444	
Pig	AGATT	AAAAAAAA	AAAAAAAA	AAGGT	AAAAGT	AATAC	ATGT	ACATG	TTTT	AAAAAA	AAATTC	CAAAGT	GAAAAGT	ATTT	CTCCC	5867		

Majority	TGATAT	CCAGT	CCTAT	TTTCT	TAGGT	GTAGG	TATTT	TATGTT	AA	CATX	TTTT	TTX	- -	GCAT	TTTT	TTX	-	CCTG	AA	TT	AX	TAG	
	7610	7620	7630	7640	7650	7660	7670	7680															
Human	GGGCG	CGGTGG	GT	CACAC	CTGTA	ATCCC	AGCA	CTTTGG	GAGCC	GAGGC	GGGC	- -	GGAT	CAC	GAGT	TTCAG	GAG	AGAC	CCAT				4815
PolarBear	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	0
Cow	TGATTT	CCAGT	CCTTTT	TTTCT	TAGGT	GTAGG	TATT	TGTT	AAAAT	TTTTTT	TG	-	TGCAT	TTTT	TTTCT	GAAAT	TACT	AG					5908
Dog	CCACAC	AAAC	CCAAAT	GGATA	ATTT	CTTG	ATAT	TTTCT	TTATT	GTCT	TAGG	- -	GAAT	CAAT	GATT	GGG	CTTA	ATGT					6004
BelugaWhale	TGATAT	CCAGT	CCTG	TTTCT	TAGGT	GTAGA	AATT	TATGTT	AA	CATTT	TTTGGT	GCAT	TTTT	- -	CCTG	AAAT	TATT	AG					5634
Donkey	TGATG	CCAGT	CCTAT	TCTT	TAGGT	ATAT	GTAGT	TATGTT	AA	ATTTT	CTGGT	GGG	ATTT	TTTCT	-	CCTG	AAAT	TATT	AG				5373
Cat	AATGA	ACAT	ATCAT	TTTT	GCC	TTTT	GTA	ACC	CTT	CCTT	CTGC	TTT	CTT	CTC	- - -	CAAC	CACT	GAT	CTG	CTT	CTGT	CA	7185
Ferret	CCGCAT	CAGG	CTG	CTCAG	CAGG	AGC	CTG	CTT	CCT	CTCT	CTGT	CTG	CC	- -	TCT	CTGC	CTACT	TGT	GAT	CT	CC	CT	5885
Lion	AATGA	ACAT	ATCAT	TTTT	GCC	TTTT	GTA	ACC	CTT	CCTT	CTGC	TTT	CTT	CTC	- - -	CAAC	CACT	GAT	CTG	CTT	CTGT	CA	6154
Vaquita	TGATAT	CCAGT	CCTG	TTTCT	TAGGT	GTAGT	TAA	TATGTT	AA	CATTT	TTTGGT	GCAT	TTTT	- -	CCTG	AAAT	TATT	AG					5522
Pig	TGATT	ACCAGT	TCTAT	ATCT	TAGGT	ATAGG	TAGT	TATGTT	AA	AAAGAT	CTTAC	-	TGCAT	TTTT	- - -	CCTG	AAAT	TAA	TAG				5943

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Majority	TTTATATATTACCACACATA- - - XACATCCTTGTTTATXAACAC- - - - GXATTCATGCCATGTGTACTGGCXCATATCTT	
	7690 7700 7710 7720 7730 7740 7750 7760	
Human	CCTGGCTAACACGGTGAAACCCTGTCTTTACTAAAAATACAAAAAATTAGCCGGGTGTGGTGACGGGTGCCTGTAGTCCC	4895
PolarBear	-----	0
Cow	TTTACATATTACCACACATATA- AACATCCTTGTTTAGTTACACAAATGTATTCATGCCATGTGTACTGGCCCATATTGT	5987
Dog	TTGTGGGCATTCCAGTGAAA- - - - GTTGCCTGTGGGCCTGAT- - - - - GTTTATTTTCTTTGTGAAGTTTAAATGACAC	6075
BelugaWhale	TTTATATATTAGCACACATGTA- AACATCCTTGTTTAGCAACACAT- - GGATTCATGCCGTGTGTACTGGTCCATATCTT	5711
Donkey	TTTATATATTACCACACATATA- AACATCCTTATTTATTTACACAAATGGATTCATACCATGTGCCTGGCCCATATCTT	5452
Cat	CTATAGGGTGTGGCATT- - - - ATAGAATTTTAAATGAATCC- - - - GTATGTACTCCCCTTTTATTTGGTCTTATTTT	7257
Ferret	CTCTGTCAAATAAATAAATA- - - - AAATCTTTAAGAAAAAAG- - - - - ATTTAAAAACAACAGCAACAAAAACGGAGCT	5956
Lion	CTATAGGTTGTGGCATT- - - - ATAGAATTTTAAATGAATCC- - - - GCATGTACGCCCTTTTATTTGGTCTTATTTT	6226
Vaquita	TTTATATATTAGCACACATGTA- AACATCCTTGTTTAGCAATACATATGGATTCATGCCGTGTGTACTGCTCCATATCTT	5601
Pig	TTTATTAATTACCACACATA- - - AATATCTTGTTTACTTACA- - AAAGCATTTCATGCCATGTGTATTGGCTTACATCTT	6018

Majority	GCTXTAA- - - - AAATAA- XCTTTATTGAGATAXAATT- - - - TGACATAAACTGCAXATATTTAAGGTATACTAGTATT	
	7770 7780 7790 7800 7810 7820 7830 7840	
Human	AGCTACTCGGGAGGCTGAGGCAGGAGAATGGCATGAACCTGCGAGGCAGAGGTTGCA- GTAAGCGGAGATTGC- ACCACT	4973
PolarBear	-----	0
Cow	GCCTTAA- - - - - AAAGAA- GCTTTATTGAGATATAATT- - - - - TGAGATCAACCACCTATATTTAAGGTATAC- AGTGTT	6055
Dog	GTTTAAAT- - - - - TTAT- - - - - TTAATAGATACAGGACT- - - - - ATTCAGGTTATTTTTTCTGTTTATTTTTTATTATTTT	6141
BelugaWhale	GTTGTTA- - - - - AAAAAA- GCTTTATTGAGATACAATT- - - - - TGACATAAACTGCATATATTTAAGGTATACTAGTGTT	5780
Donkey	GCCCTTTCTGGAAAGAAAAACTTTATTGAGATATAATT- - - - - TGACATAAACTGCACGTATTTAAAGTATACAATGATT	5527
Cat	ACTGTG- - - - - ATTAT- - TTTGAAATTTACCCGTGTTGTCTGGCAATAGTCCATTCTTTTTATTGCTTAGTAGTATT	7328
Ferret	TTTAAAA- - - - - AAATAG- - CTTTATTGAGATAAAATTTGATATAAAATAAACTTACATATCTAAAGTGTACAATTTTT	6029
Lion	ACTGTGT- - - - - GATTAT- - TTTGAAGTTTACCCGTGTTGTCTGTCAATAGTCCATTCTTTTTATTGCTTAGTAGTATT	6299
Vaquita	GTTGTTA- - - - - AAAAAA- GCTTTATTGAGATACAATT- - - - - TGACATAAACTGCATATATTTAAGGTATACTAGTGTT	5670
Pig	GCCTTAA- - - - - AAAGAAAGCTTTATTGAGATATAATT- - - - - TGACATAAACTGCAATATTCAAGTTACAC- AGTATT	6087

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Majority	TXAA- XATGTATACACCTATGAAACXATCACTA- - - XXAAGATAATGAAC- - - - - X- - - - XXX- XAGXATCAXTTTGCT										
	7850	7860	7870	7880	7890	7900	7910	7920			
Human	GCACTCCAGCCTGGGCGACAGAGACAGACTCTATCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATTCAA										5053
PolarBear	-----										0
Cow	TTTA- CATATATACACCTATGAA- CCACTACTA- - - TCAGGGTAATGAAC- - - - - C- - - - CCAGGAGTATCATTTTGCT										6120
Dog	TTAAATTTATTCATGAGAGACACACACACAC- - - - - AGAGAGCAG- A- - - - - GACATAGGCAGAGGG										6199
BelugaWhale	TTGA- CATGTATACCCCTATGAAACTATCACCACAATCAAGATAATGAAC- - - - - C- - - - CCAGAAGTATCATTTTGCC										5849
Donkey	TGACATATGTATACACCTATGAAATCATCATCACAAATCAAGGTAATGAACCTACATCACCTCCAAAAGTATTAGTTTGCT										5607
Cat	ACAT- TTTATGGATATACAGCAATTTATCATT- - - - - AACTCTTGATG- - - - - GACATTTGGTTTTTT										7386
Ferret	TGACATGTGAATACACTTAGGAGACCACTTAGG- - - - - AGACAACAA- A- - - - - GATAATGAACCCGTG										6087
Lion	ACAT- TTTATGGATATACAGCAATTTATCATT- - - - - AACTCTTGATG- - - - - GACATTTGGTTTTTT										6357
Vaquita	TTGA- CATGTATACCCCTATGAAACTATCACCACAATCAAGATAATGAAC- - - - - C- - - - CCAGAAGTATCATTTTGCC										5739
Pig	TCGA- CATGTGTACAACGATGAAACCATTAATAAAATCAAGACAATATCCATTGCTC- - - - - CCCAAAGTATCGCTTTGCC										6162

Majority	CTTTTATAAT- - - - XXX- TCTXCTTTCTTTCCCAAGCAACCACTGAT- CTGCTTTCTGTCACTATA- GATTAGTTTGC										
	7930	7940	7950	7960	7970	7980	7990	8000			
Human	CTGCTTCACAGCTTTTTTTTGCTATTTCTTAGGTGTAGGTAATTG- TGTTAAAATTTTGTGCCTTTTTT- CTTGAAATTAT										5131
PolarBear	-----										0
Cow	CCTTTGTAATTAATCCCTTCTGCCTTTCTTTCCCAAGCAACCACTGAT- CTGTTTTGTGTCACTGTA- GATTAGTTTGC										6198
Dog	AGAGGAGAA- - - - - GCAGGCTCTGTGCAGGCGGCC- - CGAT- GGGGA- CTGGATCCAGG- GATTCCAGGGT										6261
BelugaWhale	CTTTTGTAAATCTCTCCCATCTGCCTTTCTTTCCCAAGCAACCACTGAT- CTGCTTTCTGTCACTATA- GATGAGTTTGC										5927
Donkey	CCTTTGTAGTCCTTCCCATCTGCCTTTCTTTGCCGAGCAACTGCTATTTCTGCTTTCTGTCACTATA- GGTTAATTTGC										5686
Cat	T- - CCAGTTT- - - - - TTG- ACTATTGTAATAAAGCTGTGAACATT- CCTGTAAAAGTCTTTGTGTGAACTTTTCGT										7454
Ferret	TTAGTATTGT- - - - - TTGCCCTGCCTTTCTCAAGCAACCATTGAT- GTACTTTCTGTCACTACA- GGTTAGTTTGC										6157
Lion	TTTCCAGTTT- - - - - TTG- ACTATTGTAATAAAGCTGTGAACATT- CCTGTAAAAGTCTTTGTGTGAACTTTTCGT										6427
Vaquita	CTTTTGTAAATCTCTCCCATCTGCCTTTCTTTCCCAAGCAACCACTGAT- CTGCTTTCTGTCACTATA- GATGAGTTTGC										5817
Pig	CTTTTATAAT- - - - CCCTTCCACATGCCTTTCAACCCGGTAACCACTGAT- CTGCTTTCTGTCACTATA- GATTAATGCGC										6236

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Majority	AT- TTTT TAGAATTTTAAACAAATXGTCATACAXTATXTCCCCTXTTTTTXXCTGGATTATTCCACTTAGCATAATTATT	
	8010 8020 8030 8040 8050 8060 8070 8080	
Human	TAATTTATATATTAGCACACATAT- - AAACATCTTTATTTACGTGATTGAATTCAAACTATTGTTTTGGCCACATCTT-	5208
PolarBear	-----	0
Cow	AG- TTTT TAGAATTTTAAAGCAAAGAGTCATACAGTATGTATCCTCTTTTTCCCTGGATCATTCCACTCAGCATTATT- - -	6274
Dog	CT- TGCCCTGAGCCAAAGGCAGATGCCCAACCACTGAACCACCTGGGCATCCCAGGTATCTAGTTCTTAAGTGAACCTT	6340
BelugaWhale	AA- TTTT TAGAATTTTAAACAAATAGTCATACAGTATGTACCTTCTTTTTGCCTGGATTATTCCACTCAGCATATTTATT	6006
Donkey	ATATTTTTTTAATTTTGAATAAATGGAGTTAACACGTACCCTTTTCTTTGGTCTGGCTTATTGCACTTGGCATAATTATT	5766
Cat	TT- GTCTTGGGGAAATACCTTTGATGGGAATGGTTAGATCATATGATACACATATGTTCTTAACTTTTTAAGAAAATGCA	7533
Ferret	AT- TTTTAAAAATTTTAAATGAATCAAATGTACCTCCCCCCCCTTCTTTTTTGGTCTTTTTTCCCTCAGTGAATTATT	6236
Lion	TT- GTCTTGGGGAAATACCTTTGATGGGAATGGTTAGATCATATGATACACATATGTTCTTAACTTTTTAAGAACTGCA	6506
Vaquita	AA- TTTT TAGAATTTTAAACAAATAGTCATACAGTATGTACCTTCTTTTTGCCTGGATTATTCCACTCAGCATATTTATT	5896
Pig	AA- TTTT TAGAATTTTAAACTTAG- - TCGTACAATATGTACCCTCTTTTTGTCTGGATTATTCTACTTAGCATAATTATT	6313

Majority	T- GGAATTTCACCCATGTTXTGTATCAGTAGTXCATTCCCTTTTTATTGCTTAGTAGTATTA- CATTGTATGGAXATACAG	
	8090 8100 8110 8120 8130 8140 8150 8160	
Human	- - GCCTTTTTTTTTTTTTTTTTGAGTCGGAGTCTCCCTCTGT CATCAGGCTGGAGTGCAGTGGCATGATCTCGGCTTACTG	5286
PolarBear	-----	0
Cow	- - GGAATTTCAGCCATGTTGTATATCAGTAGTTCATTCCCTTTTTATTGCTTAGTAGTACTA- CATTGTACAGACATACAG	6351
Dog	G- ATAATTTGTACCTCCCATAGAGTTAGTC- - - CATTCTTCCATTTGCATAG- AGTTGTT- TGTGAGACTACCTTTTTA	6414
BelugaWhale	TTGGGATTTCACCCATATTGTGTATCAGTAGTTCATTTCTTTTTATTGCTTTGTAGTATTG- CATTGTATGGATATACAG	6085
Donkey	T- TGAGATTTCACCCATGTTGTGTATCAGTAGTCTCTTCCCTTTTTATTGCTTATTAATATTA- TATTGTGCAGATATATAG	5844
Cat	G- ACTATTTTCCAAAGTGGTTGTATAATTTTA- CATTGCCACCAATAGGGTATGAGATTTT- CAGTCCTTCTGCCTCCTT	7610
Ferret	T- TGAGATTTACTTATGTTTGTCAATAGTC- - - CATTACTTTTTCTTGCTTAGTAATACTA- CATTTTATGGATATACAG	6311
Lion	G- ACTATTTTCCAAAGTGGTTGTATAATTTTA- CATTGCCACCAATAGGGTATGAGATTTT- CATTCCCTTCTGCATCCTT	6583
Vaquita	TTGGGATTTCACCCATATTGTGTATCAGTAGTTCATTTCTTTTTATTGCTTTGTAATATTG- CATTGTATGGATATACAG	5975
Pig	TTGGGATTTCACTCATGTTGTGCATCAATAGTTCCTTCTTTTTTGTGCTTAGTAATATTA- CCTTTTATGGTTATAAGG	6392

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Majority	----- ATXTCXCTTGXGXX----- AATACCTATX- ATTGGAATGTCTAGA								
	8330	8340	8350	8360	8370	8380	8390	8400	
Human	----- CCGGTCTCCAGGCTGGAGTGCAGTGTGCGGATCTCTGCTCACTGCAACCTCTGCC								5462
PolarBear	-----								0
Cow	----- GCATCCCCCATCTACATCCTCTC- TAGTGCTTGTT- ACTGTTTTTTCTTAA								6527
Dog	----- TGTTCTCTAAATATCACCT- TTTGGTTTCTCTGAA								6560
BelugaWhale	----- ATTTCTCTTGGGGA----- AACACCTATG- ATTGGAATGGCTAGA								6242
Donkey	----- ATTTCTCTTGGGGG----- AATACCTATG- ATTGAAATGGCTGGC								5997
Cat	----- ATGTGTTTTCT- TTTGCCAGCTGCATA								7742
Ferret	----- TCTTGGGGAATACTTTG- ATTGGAATGCCTGGA								6457
Lion	CTTGTGGTTTTAATTTGCATTTACCAATGTCTGTTATGTTAAATATCTTTTCATGTGTTTTCT- TTTGCCAGCTGCATA								6815
Vaquita	----- ATTTCTCTTGGGGA----- AATACCTATG- ATTGGAATGGCTAGA								6132
Pig	----- ATTTCTCTTGGGGA----- AATACCTATG- ATTGGAATGGCTAGA								6548

Majority	TCAT- - ATGGTTAGGCATATGTX----- CT- - TTAACTTTTTAAGAAACTGCAAACCTATTTTCXAAA- - G- - XTTGG								
	8410	8420	8430	8440	8450	8460	8470	8480	
Human	TCCTGGGTTACGCCATTCTCCTGTCTCAGCCTCCCAAGTAGCTGGGACTACAGGCGCCTGCCACCACGCCTGGCTTCTT								5542
PolarBear	-----								0
Cow	TTATAGACAGTCTGATGGATGTG- - - - - AACTGGTAATCTCTTTGTGGTTTTATTTTTCATTTTTCTAGT- GTCTTTGG								6600
Dog	TGTTCT- - GTTTCTATCTGTTTT- - - ATTTTCTGCTTGCATTTAGTTCTTTTTCAATTTATGTTGAAGCTTGAGGTCAT								6635
BelugaWhale	CCAT- - ATGGTTAGGCATATGT- - - - - TTAACTTTTTAAGAAACTGCAAACCTATTTTCTAAA- - - - - GTGG								6301
Donkey	TCAT- - ATGGTAG- GCATATGT- - - - - TTAACTTTTTAAGAAACGGCCAACCTATTTTCCGTA- - - - - GTGG								6055
Cat	TCATCTTTGGTGAAGTATCTCTTGAGATTGCCTGCCCACTTTTTAAATTGGGTTACTATTGAGTTTTAAGAAGCCTTCAT								7822
Ferret	TCATAT- - GGTAG- GCATATGCT- - - TTTAACTTTTTAAAGTTTTAAGAAACGGCAGACCATTTTCCAAAGTGGTTGTAC								6531
Lion	TCATCTTTGGTGAAGTATCTCTTGAGATCGCCTGCCCACTTTTTAAATTGGGTTACTATTGAGTTTTAAGAAGCCTTCAT								6895
Vaquita	CCAT- - ATGGTTAGGCATATGT- - - - - TTAACTTTTTAAGAAACTGCAAACCTATTTTCTAAA- - - - - GTGG								6191
Pig	TCAT- - ATGGTTTGGCATATGT- - - - - TTAACTTTTTAAGAAACTGCAAACCTATTTTCCAAA- - - - - CTGG								6607

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Majority	T- TTATAC- TATTTTAACAT- - - - - TGCXATCAGCAGGXTATGAGATTTTCXGTC- - - - GTCXACATC- XXTTCCAGTG	
	8490 8500 8510 8520 8530 8540 8550 8560	
Human	TTTTGTATATTCAGTAGAGACAGAGTTTCACCATGTTAGCCAGGATAGTCTCTATCTCCTGACCTCGTGATCTGCCTGCC	5622
PolarBear	-----	0
Cow	TGTTGAACATCTTTTCATGG- - - - - ACTTTTTTGCAGCTATATGTCATT- - - - - GGTAAAGTC- TATTTGAATG	6664
Dog	TGACATACCTTTTCTAACATAG- AGGCTTAATGC- TAGGTGTTCCCTTTTAAGTA- - - - - CAGCTTT- CATAGCATTT	6706
BelugaWhale	- - TTATAC- TATTTTA- CAT- - - - - TGCCACCAGCAGGGTATGAGATTTCCAGTC- - - CATCTACATC- CTCTCCAGTG	6367
Donkey	- - TTATAC- TATTTT- ACGT- - - - - TGCCACCAGCAGTGTATGAGATTTCCAGTC- - - CTTGCACATC- CTCTCCAATG	6121
Cat	TCTGGTTATAAGTCCTTTATCAGATATATGGTTCATAGATTTTTTTTTTTTTTTTTTTTTTTTGGCAATTGT- AATTTCATTC	7901
Ferret	TATTTTACATTGCCACCAGTAGGATGTGAGATAT- CCAGTCCTTCCATATTCTCTC- - - - - CAATACC- TGTGATTGTT	6603
Lion	TCTGGTTATAAGTCCTTTATCAGATATATGGTTCATAGATTTTTTTTTTTTTTTTTTT- - - TGCCATTTGT- AATTTCATTC	6971
Vaquita	- - TTATAC- TATTTT- -	6252
Pig	- - TTATAC- TCTTTTAACAT- - - - - TCCTATCAGCAGGGTATGAGATTTT- -	6668

Majority	XCTGXTTCTGACTTTT- - - - XTTTXXAXTATTTAAATCTGAGTGAATTTGAAATX- - - - X- TXXTTATGG- - TTTTCAT	
	8570 8580 8590 8600 8610 8620 8630 8640	
Human	TCGGCCTCCCAAAGTGCTGGGATTACAAGCGTGAGCCACCGCGCCTAGCCAAAATGCCAGACTAATTTTTGTATTTTTAG	5702
PolarBear	-----	0
Cow	TCTGCTTTTCAAATTGA- - - - - TTT- ATTTCTTTAAGTTTTGAGAAGTCTACATTC- - - - - TGGTTACAGGTTCTTTAT	6732
Dog	CTTAAATTTTGACACGCACAAGTATGTTTTTTGTGTATAGCATCAAGTTGGAATTTGATTTTTACATCCAACCTTACACCC	6786
BelugaWhale	CCTGTTGTCTGGTTTTT- - - - - TTT- GATTATAGAGATTCTAGTGGATGTGAAGTCGTAATGTCTTTGTAG- - TTTTCAT	6439
Donkey	CCTGTCGTCTGTCTTTG- - - - - ATTCTCGACATTCTCGTGGGTGTGAAGTGGTAATC- - - - - - - - - - - - - - - - - -	6186
Cat	TCTCAGTAGTGTCTTTAAAGAACAGCAATTTTTAATTCTGATGACCTTTACCATTTTTGTCTTCTTATGGCTTGTGCTT	7981
Ferret	TTTGATTGGAGACATTCTGGTAGGTGTGGAGTGGTAATCTCCTTGTGGTTTTAATTTGCATTTCTCTAATATCTATGATA	6683
Lion	TCTCAGTAGTGTCTTTAAAGAACAGCAATTTTTAATTCTGATGACCTTTACCATTTTTGTCTTCTTATGGCTTGTACTT	7051
Vaquita	CCTGTTGTCTGGTTTTT- - - - - TTTTGATGATAGAGATTCTAGTGGATGTGAAGT- - - - - - - - - - - - - - - - - -	6313
Pig	CCTGTTCTT- - GATTA- - - - - - - - - - T- - - - AGACATTAAGTGGATGTGAAATAGTAATC- - - - - TCTTTGTGG- - TTTTAAT	6729

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Majority	T - - XTGCATT - TTTATAAXATCTT - - - - - TGGT - - - - - GXTXXACTTC - - TTTTCATGGGCTTTTTXC - - - - -	
	8650 8660 8670 8680 8690 8700 8710 8720	
Human	TAGAGACAGGGTTT- CACCATTTTGGCCAGGA- - TGCTTCTTCTCTTGACTCCATCATCCGCCCGCCTTGACTTCCCA	5779
PolarBear	- - - - -	0
Cow	CAGATATATGGTTTGCAGTATTTT- - - - - CTGCCTTTTTTGTGTTTGATTC- - TCTCAATGGTGTGTTTGAA- - - - -	6795
Dog	CCTTCTTTTGACTAATAGCATTTT- - - - - AAAACGATTTTGTCTGTTTTTC- - TATTTATGCCTTGTGTTCTTCCC	6854
BelugaWhale	T - - - TGCATT- TCTCTAATGTCTT- - - - - TGCT- - - - - GCTGAACAT- - - - TTTTCATGGGCTGTGTTTC- - - - -	6489
Donkey	T - - - AGCGTT- TCTGTAATGTGTA- - - - - TGAT- - - - - GTTGAACATC- - CTTTCATGTGCTTTCTGC- - - - -	6238
Cat	TTCATGTCTTGTCTAAGCCATCTTTGCCTAACCCAAGGTCAGAAAGATTTTTTTC- - CTTTGATTTGTAATAGAAGTTTC	8059
Ferret	TTGATTATCTTTTCAT- GTACTTT- - - - - AAAAAAAATTATTTATTTAT- - TTGACAGAGATCACAAGTAGATG	6750
Lion	TTCAGGTCTTGTGTTAAGCCATCTTTGCCTAACCCAAGGTCACAAAGATTTTTTTT- - CTTTGATTTGTAATAGAAGTTTC	7129
Vaquita	T - - - TGCATT- TCTCTAATGTCTT- - - - - TGCT- - - - - GCTGAACATC- - TTTTCATGGGCTGTGTTTC- - - - -	6365
Pig	T - - - TACATT- TTTGTAACATCTG- - - - - TGCT- - - - - GTTGGACATC- - TTTTCATGGGCTTTT- - - - -	6778

Majority	AAXTTGX- TGTTTCAXCTTTGGTGCA- - - - - GTGTTTTTTTAAATX- - - - XT- TTTTTGTTCACTTTT	
	8730 8740 8750 8760 8770 8780 8790 8800	
Human	AAGTGTTGGGATTACAGGCTTGAGCCACCGCGTCCGGCCCATATCTTGCTTTTAAAAA- - AATAGCTTTATTGAGATAT	5857
PolarBear	- - - - -	0
Cow	AAATAGCATTTTTTAATTCTGATGAATTTAAGTTTACCAG- - GTGTTTGCTAGTGTGGCTCATGCTTTTGGTCATATCT	6872
Dog	GTATTCC- TGCTTCTGCTTTTGTGCATACGGTACTACTGTTT- - - AATCCCTATATGTCTTGTAGTTGATTAGCTTGT	6930
BelugaWhale	AAGCTG- - TGTATCATCTTTGGTACA- - - - - GTGCTTTTTTAAAT- - - - - TTCTTGTCCACTTTT	6542
Donkey	CAGCTG- - AATATCGTCTTTGGTGAA- - - - - GTGCTGTTTCAAT- - - - - CTCTTGCCTACTTTT	6291
Cat	ATAGTTTTGGGTTTTGCATTTGAGTTTTTTTTTTTTCTTTCTTTTCTTTTTTAAATATGGTGCATTTCTTTTTTGGGGGT	8139
Ferret	GAGAGGC- AGGCAAAGAGAGAGAGGAAGAAGCAG- GCTCCCT- - - GCTGAGCAGAGAGGCTGATGTGGGGCTCCATCCCA	6825
Lion	ATAGTTT- GGGTTTTGCATTTGAGTTTTTTTTTTTTT- - - - - TTTTTTAAATATGGTGCATTTCTTTTTTGGGGGT	7202
Vaquita	AAGCTG- - TGTATCATCTTTGGTACA- - - - - GTGCTTTTTTAAAT- - - - - TTCTTGTACACTTTT	6418
Pig	AAATTTTCTGTGTCATCTTTGGTGCA- - - - - GTGCTGTTTAAAT- - - - - CTCTTGCCACATTT	6833

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Majority	XAAA- - TTGATTTATXXC- - - CTTTTTTT XAGTTTTGAGXXGTCTACCTTTTAX- X- - CGTTACAXCTXCTTT- - - - -	
	8810 8820 8830 8840 8850 8860 8870 8880	
Human	AATTTGACATAAAATAAACTACCCATATTAATATACAATGTTTTATCTCATATATACCCTTGTGAAACCACTGCAATCA	5937
PolarBear	-----	0
Cow	AAGT- - CATCTTTAGGAT- - - CTTCCCTGGTGGCTCAGACGGTAAAGCATCTGCCT- ACAGTACCTACCATGTGGGAG- -	6944
Dog	GATTCTTTGTTATATTAATGGCTGTTTTTAGGAGTTGTAGCATAGATCTTTAACTTAACCGTAGTTCTTCCCTCAAGG- -	7008
BelugaWhale	TAAA- - TTGATTTA- - - - - TTTCTTTGAGTTTTGAGACGTCTACATTTCTG- - - - - GTTACAAGTTCTTT- - - - -	6600
Donkey	TTAA- - TTGGGTTATTTCT- - - TTATTATTGACTTTTTGAGAAGTCTTCATTCTG- - - - - GTTACGAGTCTTTT- - - - -	6354
Cat	ATGGAGTTAAACTTTTTCCAGCACTGTTGAAAAGGCTGTCTTTTGTTCATTGAATT- GCTTTGCACCTTTGTCAAAAATC	8218
Ferret	GAACCCTGGGAATATGAC- - - CTGAGCTGAAGGCAGAAGCTTTAACCCACTGAGCCAGCCAGGCCCCCTTTTTCATGT- -	6900
Lion	ATGGAGTTAAACTTTTTCCAGCACTGTTGAAAAGGCTGTCTTTTGTTCATTGAATTCGCTTTGCACCTTTGTCAAAAATC	7282
Vaquita	TAAA- - TTGATTTA- - - - - TTTCTTTGAGTTTTGAGAAGTCTACATTTCTG- - - - - GTTACAAGTTCTTT- - - - -	6476
Pig	TAAA- - TTGATTT- - - - - T- - - - TTTCTTTGAGTTTTGAGAAGTCTACATTCTG- - - - - GGTACCCATCCTCT- - - - -	6891

Majority	- - - - ATCXGA- - T- XTXT- - - X- GXTTGTGAATATTTTCTG- - - - - CCACTTTTGXTTXXATTXCXCTCX- -	
	8890 8900 8910 8920 8930 8940 8950 8960	
Human	AGATAATGAACATCTATCACTCCCTACAGTATCATCTTGCGCCTTTATAGTCCCTCCTTTCTGCTTTTCTTTCCCAAGG	6017
PolarBear	-----	0
Cow	- - - - ACCCGGGTT- CAATCCCTCGGTGGGAAGATCTCCTGGAGAAGGAAATGGCAACCCACTCCAGTATTCTTGCCTGG	7019
Dog	- AGTATTTATGCCACTTCACATAAATTATGTGAGTATTAGAATACTTTATTTCTCCTCTCTTGGCATCTGTGCTATTGTT	7087
BelugaWhale	- - - - ATCAGA- - T- ATAT- - - - - GGTTTAAAATATTTTCTG- - - - - CCACTTGTGTTTTATTCTCTTC- - -	6652
Donkey	- - - - ATCAGATACATGGTT- - - - - TACAGATATTATTTTCTG- - - - - CCACTTAATATTTTATTCTCTCA- -	6411
Cat	AGCTATCTGTATGAGTGGTTCTATTTCTGTAATGATCCTTTTCCATTGACCCATTTTGTCCATGTAGATGCCAAAAC	8298
Ferret	- ACTTTTTGCCAC- CTGTATATCATCTTGGATGATGTGTCTCTGTATCACTTGCCCACTTTTTGAATTGGTTACTGTTG	6978
Lion	AGCTATCTGTATGAGTGGTTCTATTTCTGTAATGATCCTTTTCCATTGACCCATTTTGTCCATGTAGATGCCAAAAC	7362
Vaquita	- - - - ATCAGA- - T- ATAT- - - - - GGTTTAAAATATTTTCTG- - - - - CCACTTGTGTTTTATTCTCTTC- - -	6528
Pig	- - - - ATCAGA- - T- AAAT- - - - - GGTTTAAAATATTTTCTG- - - - - CCACTTATGTTTGCACCTCTCTC- - -	6942

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Majority	A - - CAXTGTCTTGATTAXTGXTA - - GTXTAGTAGTTTTTAATTC - - - - - X - - - - - X - - - - - X - - - - -	
	8970 8980 8990 9000 9010 9020 9030 9040	
Human	AACCACTGATCTGCTTTCTGTCACTATAGATTAGTTCACACTTTTTAGAAATTTTAGATAA - - - - - ATGTAATCATATGGT	6092
PolarBear	- - - - -	0
Cow	A - - AAATCCCATGGATGGTGGCA - - CC - TGGTAGGCTACAGTCCATGAGGTCGCAAAG - - - - - AGTCGGACAC - - - GA	7084
Dog	A - - TACATCTTCCGTAGATGTTA - TAAATTCTATTGTTTGTATTGAAACAGCCAAT - - - - - TACCTTTTTTAAAAAA	7158
BelugaWhale	A - - CAGTGTTTTGAAGAGCAGTA - - GTGCAGCAGTTTTTAATTC - - - - -	6692
Donkey	A - - CAGTGTCTTGA - - - - - AGAA - - - - - CAGCAGTTTTCAATTC - - - - -	6443
Cat	A - - TACTGTCTTAATTACTGTGACTTTTATGTTAAGGCTTGACATCAAGCAATCATGGTTTTCTTTATTTTTTTTT - AAAG	8375
Ferret	A - - CTTTTAAGAGGTCTTCATTC - TGGTTATAAGTCCTTAATCAGATACATGGTTAATA - - - - - TTTCTACTATTTGTG	7050
Lion	A - - TACTGTCTTAATTACTGTGACTTTTATGTTAAGGCTTGACATCAAGCAATCATGGTTTTCTTTATTTTTTTTTTAAAG	7440
Vaquita	A - - CAGTGTTTTGAAGAGCAGTA - - GTGCAGCAGTTTTTAATTC - - - - -	6568
Pig	A - - AAGTATCTTGG - - - - - GGAA - - C - - AGTAGTTTTTAATTC - - - - -	6974

Majority	- TGACXAAXTTCAGTTAX - CXXXTGXTAT - XTTAGAGGATTXXTTTTT - X - - - AGTGAGGCTTGC - - GTXTTTTATTAXA	
	9050 9060 9070 9080 9090 9100 9110 9120	
Human	ATGTACATTTTTGGTC - - - - - TGGGTTAGTCCACTCAGAATAATTATT - - - - - TTGAAATTCACCCATGTTGTCTTTCA	6161
PolarBear	- - - - -	0
Cow	CTGAGCGACTTCACTCACTCACTCATTGT - CTTTACGGCTTCCCTGGTGGCTCAGTGAGGGCTTC - - TCAGTGGATCAGG	7161
Dog	ATATCTTA - TTTATTCATTCATGAGAGACACAGAGAGGCAGAGACAATAGGCGAGAGGGATATGC - GGTCTCCCTTCACT	7236
BelugaWhale	- CGATGAATTTTCAGTTTACCAGGTGCTCTGTGGTGTGTATTTTTTTTTGGTTTGGTGTGGCTCAT - - GCTTTTGGTCATA	6769
Donkey	- TGACGAACTTCAGT - - - - - TTACCAATTTTTATCTC - - - - - GTATGGATCGT - - - - - GCTTTTA - -	6492
Cat	TTGTTTTGGCTCTTCTATGTCCTTCATGTTTTTATAGGAGTCAGTTTCTAC - - AGAAAAGCTTGCTGGGATTTTATTGGA	8453
Ferret	TTAGCTTT - CTCAGTAATGCCTTTTAAAGAACAGCAGTTTTCAATTCTAATGAACTGAAGTTTGCCAATTTTATCTTGTA	7129
Lion	TTGTATTGGCTCTTCTATGTCCTTCATATTTTTTATAGGAGTCAGTTTCTAC - - AGAAAAGCTTGCTGGGATTTTATTGGA	7518
Vaquita	- CGATGAATTTTCAGTTTACCAGGTGTTCTGTGGTGTGTATTTTTTTTTGGTTTGGTGTGGCTCAT - - GCTTTTGGTCATA	6645
Pig	- TGACGAACTTCAGT - - - - - TTAC - CAAGGTGGTTTTTTT - - - - - TTGGCAGGGGGTAG - - GTGTTGGATTA - -	7032

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Majority	TTTATXTGGTTXCAAGA- XGAGATTX- XXT- AXAGAG- AGACX- TGAGTGAGAATXCTAGGTCXTT- GTGGAACX- - XT	
	9290 9300 9310 9320 9330 9340 9350 9360	
Human	TTTGTATGGACATATGCTTTCATTTCTCTTGGTGGGGCAGGCTATGATTGAAAAGTCTGGATCATGTGATAGGCATATGT	6387
PolarBear	-----	0
Cow	TCCATGGAGTCACAAAA- - GAGTCTGAAGTGACTTAG- TGAC- - TAAGTAATAAAAAACAGGTCATT- GTGAAACC- - - - -	7369
Dog	TTTTATTTACTTTGATGAATGAGAG- - - - - - ACAGGT- AGAGATCGAAAGAGAGTCAGACGACACCCGGCAGAGTTCCGTG	7444
BelugaWhale	TTTTTTGGGTTTCCATATGGACATTCACTTTTTCTAG- CAACACTCATTGAAAAGACTATTTTTTTTTCATTGAACTGGCTT	6985
Donkey	----- A- -----	6554
Cat	TGCACATGTGTGCAGGAATGAGGGAGGGGC- AGAGGG- AAGGGGAGAGAGAGAATCCCAAGCAGGCTCTGTACTGACAGT	8690
Ferret	TTTTATTTCTTTATTTGACAGAGATC- - - - - ACAAGT- AGACAAAGTGATAGGCAGCGGGGTGGGGGGGGGAGCTGAGC	7348
Lion	TGCACATGTGTGCAGGCATGAGGGAGGGGC- AGAGAG- AAGGGGAGAGAGAGAATCCCAAGCGGGCTCTGTACTGACAGT	7755
Vaquita	TTTTTTGGGTTTCCATATGGACATTCACTTTTTCTAG- CAACACTCATTGAAAAGACTATTTTTTTTTCATTGAACTGGCTT	6861
Pig	ATCGAACCCATGCCACA- - GCAGTTGCCTTGAGTCAC- TGA- - - - - AGTGACAATGCTGGATCCTT- AACCCACTG- - - -	7220

Majority	-- CACGXCCCATGXAXXTCT- TAACCTATGTA- - CXTTGTGXATCA- - TTATCTAAGXTXXAGTCATGC- - - - - - ATTTA	
	9370 9380 9390 9400 9410 9420 9430 9440	
Human	TTAACTTTTTAAGGAACTGCAAACCTTTTTAAAAGTAGTTGTACCATCTTACAT- TGCCATCAGCATGGTATGAAATTTCC	6466
PolarBear	-----	0
Cow	-- CAGG- GTCACAAAGATT- - TCTCCTTTGT- - - TTTCTGATAGA- - TTTTATAGTTTTTAGTTTTAC- - - - - - ATTTA	7432
Dog	GAGCCGCCCATG- GGACTTTGATCCCCGGGA- - CTCCAGGATCAGATTCCCAGGCCAAATGCATGC- - - - - - GCTAA	7514
BelugaWhale	TGCACCTGTATCAAAAATCAATTATGTATGTA- - CGTATGATTCTGTTTCTGTACTGTATTCTCGTCC- - - - - - ATT- G	7055
Donkey	----- ATAGAAGTTT- TAT- ----- AGTTTAGGTTTTGC- - - - - - ATTA	6586
Cat	GAGGAGCCCGATGCAGGGCTCGAACCCACAAA- - CCGTGAGATCA- - TGATCTGAGCCGAAATCAGGCACTGGATGCTTA	8766
Ferret	AGAGAGCCCATG- TGGGTCTTGATCCCAGGA- - CCCTGAGATCA- - TGACCTAAGTGTAAAGGCAGAG- - - - - - GCTTA	7416
Lion	GAGGAGCCCGATGCAGGGCTCGAACCCACAAA- - CCGTGAGATCA- - TGATCTGAGCCGAAATCAGGCACTGGATGCTTA	7831
Vaquita	TGCACCTGTATCAAAAATCAATTATGTATGTA- - CGTATGATTCTGTTTCTGTACTGTATTCTCGTCC- - - - - - ATT- G	6931
Pig	-- CACC- ACCGAGGAACTCC- TCTCCTTTGT- - - CTTCTAAAAGAAGTTTCATAGTTTTTAGTTTTGC- - - - - - ATTTA	7286

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Majority	ACCCATT- - - - - TXTAGGTACCTCTT- - - - - TTAATATGGTXXAXTGTCTGAATAAATT- - - - -	
	9450 9460 9470 9480 9490 9500 9510 9520	
Human	AGTCCTTCCACATCCTCTTTAATGCCTGTTATCTTCTGTTTTTGATTATAGATATTGTAGTGTATATGAAGTGATATTTTC	6546
PolarBear	- - - - -	0
Cow	AGTTCTT- - - - - TTTAACT- - - TTTT- - - - - TTAATATGATGCAATGTATGAATCAAGA- - - - -	7478
Dog	AACCACTGAGCCAACGCGGTATCCCTC- - - - - GCGGGGGGTATGATCCCTTACCAGATT- - - - -	7569
BelugaWhale	ACCCATT- - - - - TTTGTCTACCTAGT- - - - - AGCCAAAAGCGTACTGTCTTAATTACTG- - - - -	7104
Donkey	AGTCTTT- - - - - TTGAGTTAATTTTT- - - - - TGAATATGGTGCAAAGTCTGAATCAACG- - - - -	6635
Cat	ACCCATTGAGCCACCCAGGCGCCCCAGCAGTGTTTAGTTTTTCATTGTACAGTTTTTGTACATTTT- GTCATATTTATTCC	8845
Ferret	ACCACTGAGCCACCCAGGTGCCCAT- - - - - TTAATTTTTTTTAAATATGTGCAAAAATA- - - - -	7471
Lion	ACCACTGAGCCACCTAGGCGCCCCAGCAGTGCCTAGTTTTTCATTGTACAGTTTTTGGACATTTTTGTGAGATTTATTCC	7911
Vaquita	ACCCATT- - - - - TTTGTCTACCTAGT- - - - - AGCCAAAAGCGTACTGTCTTAATTACTG- - - - -	6980
Pig	AGTCTTT- - - - - TTGAGTTAATTTTT- - - - - TTAATACGGTCCAGTGTATGAATCAACT- - - - -	7335

Majority	- - - - - TTTTTGGTGTTG- - - - - GATATGGACATXAACTTTTTXTXGCATCATTTGTTGAAAAGACTATXCT	
	9530 9540 9550 9560 9570 9580 9590 9600	
Human	ACTGTGGATTTAATTTG- CATTCCCTCTAATATCTATGATGTTGGACATCTTTTCGTGTGCTTTTTGTGAGCTGTTATCTT	6625
PolarBear	- - - - -	0
Cow	- - - - - TTTTTGGATTTG- - - - - AATATGGAAATTCACCTTTTTTAGCATGATTTGTTGAAAAGACTTTTTT	7540
Dog	- - CCCAGAGGCGTCTCG- - - - - GCTGTG- - C- - AAAGTCTCTTTGGTATTGTTTGTGAGAAAAACGACT	7629
BelugaWhale	- - - - - TAGTTTTATATTA- - - - - AATCTTGAAATCAAGTAGAACTTTGTTCTTTTTCAAAGTTGTTTTGGCT	7166
Donkey	- - - - - TTTTTGGTGTTG- - - - - AATATGGACATCCACTTTTTCCGACACCATTTCGTTGAACAGGCTGTCCT	6697
Cat	TATTTCAAGTGTTTTTGGTGCTGTTATAAATGGTATTTTTAAAATCTCAGTTTCTAGTTAGTGGTGGAGAAAAATACAAA	8925
Ferret	- - AGTCAGCATTTTTGTTTCGG- - - - - GGTATGGACTTAACTTTTTCCAGCACCATTGTTGAAAAGGCTGTCCT	7541
Lion	TATTTCAAGTATTTTTGGTGCTGTTATAAATGGTATTTTTAAAATCTCAGTTTCTAGTTAGTAGTGGAGAAAAACACAAA	7991
Vaquita	- - - - - TAGTTTTATATTA- - - - - AATCTTGAAATCAAGTAGAACTTTGTTCTTTTTCAAAGTTGTTTTGGCT	7042
Pig	- - - - - TTTTTGGGAGTTG- - - - - GATGTGGACATCCACTTGTCTAGCACCATTGTTGAAAAGACTATTCT	7397

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Majority	T T T T T T G T T G A X T X X G C T T T X C A T C T T T G T C A A A A A C X A - - - C A X T T A T T T A T G T A T G T T - - - X T T T T T T T G A A X T G T A	
	9610 9620 9630 9640 9650 9660 9670 9680	
Human	T - - G G T G A A G T G T C T G T T T A T A T C T T T A G C C C A A T T T T T - - - T A T T T G G T T A T T T A T T T T A A A T T G A G T T T T G A G A G G T C	6700
PolarBear	-----	0
Cow	T T T C T A A T T G A A T T G G C T G T G C A T C T T G G T C A G A A A C A A - - - T T A T T A T - - C T A C A T A T G - - - - A T T C T T T G T A C T G T A	7610
Dog	T - - A T T G T G G T C T C T G T G T G G A C T C C C T G T C - - - - - - - - - T A C T T A C T T A G G A G T T T T - - - T T T G G T T T T G A A G T T T G	7693
BelugaWhale	C T T C T G G G T C C T T C A C A T T T T C C T G T G A G T C A G T T T C T A - - - C A A A A A G G C C T G C T G G G A - - - - T T T A A T T G A A A T T A A	7238
Donkey	T T C T C C C T T G A A T T G G C T T T G C A C C T T T G T C A A A A A T - - - - - C A C T T A T C T A T G T A T G T A T G - A T T C T A T C T G T A C T G G A	6771
Cat	T A T T T T G T G T A T T G T T C T T G T A T T A T T C A C T C T T G C C A A A C T C A C T T G T T A A G A T A T A A T A G - C T T T T T T T G T A G G C G C T	9004
Ferret	T T G T T C A T T G A A T T G G C T T T G C A C C T T T G T C A A A A A T C A A C - T A T C T T T T T A T G C A T C A T - - - T C T A T T T C T G T A C T G T A	7617
Lion	T A T T T T G T G T A T T G T T C T T G T A T T A T T C A C T C T T G C C A A A C T C A C T T G T T A A G A T A T A A T A G - C T T T T T T T G T A G A C G C T	8070
Vaquita	C T T C T G G G T C C T T C A C A T T T T C C T G T G A G T C A G T T T C T A - - - C A A A A A G G C C T G C T G G G A - - - - T T T A A T T G A A A T T A A	7114
Pig	T T C T C C A T T G A A T T G G C T T T G C A C C T T T G T C A A A A A T C A - - - A T A A T A - - - - - G T A T G T - - - - - A C C T G T G A T A C T G T A	7463

Majority	T T C G T T T X C T T T G A C C A A T T T X T G T X A A T T T A X X X - C C X A A A A X T G X A T T C T C T T A - T T X T T G T - - - - - X T T A T A T T A	
	9690 9700 9710 9720 9730 9740 9750 9760	
Human	T T C A T T G T G G T T A C A A G T C C T T T A T C A G C C A T A A G G C C T G C A A A T A T T T T C T G C C A C T C A T C T T C T T A T - T C T C G C A T T G	6779
PolarBear	-----	0
Cow	T T C T T T T T C A T T G A C C C G T T T T T G T C T A T T T A G T A - G C C A A A A A T G T A C T A T C C T A - C T - T A G T - - - - - T T T A T A T C A	7680
Dog	G C C G T T T T C T C C A C C C A A G C T G T G C C A T G G C C A G A G C C T G T G C C A T G G C C C G G T C - - T T T C - - T - - - - - C T T A A G A G A	7762
BelugaWhale	C T T G A A T C A G T A G A G C A A T T T G G G G A A A A T T A A C A T C T T A A T G T T G A G T T T T C T C A - T C C A T G A - - - - - A C A C A A T T T	7310
Donkey	G T C G T - T C C A T T G G C T - G - - T C T A T T A G A T - - - - - G C C A A A A C A T A C T G T C T T A A C T G C T G T G - - - - A C T T T A T G T G A	6837
Cat	A T C A G G T T T T C T A C A T A G A C C G T C T T A C T T T T T C C T T T C C T A T C T G G A T G C C G T T T - T T T T C C T G T G A T A T C T T A G T A C A	9083
Ferret	T C C T T T T C T T T T G A C C A T T T T T G T C C T T C C A G A T G C C T A A A A C C T G A T G T C T T A A - T T A C T A T G - - - - A T T T T A T A T T A	7692
Lion	A T C A G G T T T T C T A C A T A G A C C A T C T T A C T T T T T C C T T T C C T A T C T G G A T G C C G T T T - T T T T C C T G T G A T A T C T T A G T A C A	8149
Vaquita	C T T G A A T C A G T A G A G C A A T T T G G G G A A A A T - - - - - C T T A A T G T T G A G T T T T C T C A - T C C A T G A - - - - - A C A C A A T T T	7180
Pig	T T C T T T T C C A T T G A C C A T T T T T G T T T A T T T A G T T - G C C A A A A C A T A C C G T C T T A - C T A T A G T - - - - - T T T A T A T G A	7534

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Majority	A- - - - GTCTTGAAXT- - - XCAXTTAGGXX- - - - - C- - - TTTXTTTTTTTTTTCAGAATTGTTTTGGCTTTTTCXTGTGT- - -	
	9770 9780 9790 9800 9810 9820 9830 9840	
Human	T- - - - CTTTTGAAGAGCAACAGTTATTTAAA- - - - TCTGATGGACTCCAGTTTACCAATTTTTTTCTTTTATGGATTGTA- -	6849
PolarBear	-----	0
Cow	A- - - - ATCTTGAAT- - - - AAAGTGGAAC- - - - - - - TGTGTTTGTTCAAAGTTGTTTTGGCTCTTC- TGGGT- - -	7738
Dog	G- ACTAAGCTGGAG- - - - GCAGTCATGGA- - - - - CTCATTCATTTGTTTTTTGAAT- - - TTCAGGGATCAATGTCC- - -	7825
BelugaWhale	A- - - - TCTTTCCATT- - - - TACTTAGGTC- - - - - - - TTTCATTTCTTTCAGCATTGTTTTAGTTTTCACTGTAT- - -	7369
Donkey	A- - - - GTCTTAAAATCAAGTAGTCATGATC- - CTCCAACCTTTGTGCTTTTTCAAAGTTGTTTTGACTCCGGGCCTT- - -	6908
Cat	GTGCTGAATAGAAGTGATGATATTAGGGTGAACACCTAAATGCTATTCTTTCTTAAATGTTTGGGCAGTTCACCAGTGAA	9163
Ferret	A- ATTGTCTTGAATCTAGCAGTCATGGT- - - - - CCTCTTTGTTCTTTCTCAGAGTTGTTTTGGCTCTTCCCATGT- - -	7762
Lion	GTGCTGAATAGAAGTGATGATATTAGGGTGAACCCCTAAATGCTATTCTTTCTTAAATGTTTGGGCAATTCACCAG- - -	8225
Vaquita	A- - - - TCTTTCCATT- - - - TACTTAGGTC- - - - - - - TTTCATTTCTTTCAGCATTGTTTTAGTTTTCACTGTAT- - -	7239
Pig	A- - - - GTCTTGAAT- - - - CAAGTAGAAC- - - - - - - TTTGCTGTTTTTCAAATTTGTTTTGACTTTT- - TGGGT- - -	7591

Majority	----- TTXTGTTTTTXATGAXTCAATXXTCCATA- AAXXXGCTTGCTXGGTT- - - - TTAATT	
	9850 9860 9870 9880 9890 9900 9910 9920	
Human	----- GTTTTGGGGTCTTGTCTGAGCCATTTTTGCCTGACTGTAAGCCATGAAGATTT- - - TTTTCCT	6909
PolarBear	-----	0
Cow	----- CCTTTACATTTTCTATGAGTCAGTT- - TCTACA- GAAAGGCCTGCTGGAAT- - - - TTAATT	7793
Dog	----- ATCATTGTCTGATGTTCACTGGTTTTG- - - AAAACCATTGTTATG- - - - - TACATC	7873
BelugaWhale	----- AGATTTTGTATTTTTTGGTTCAGATTTATCCTTA- TTTTGTGTTTTTTGGTG- - - - ATATTT	7426
Donkey	----- TATGTTTTCATATGAGCCAGTT- - TCTACAAAAAATGCCTGCTGAGAT- - - - TTTATT	6960
Cat	GTTGTGTGGGCCTGATGTTGTTTTCTTTGTGGAGTTTTAAATGACACATTTAGTTTATTTAATAGATCCAGGACTACTC	9243
Ferret	----- CCTTTTGTATATGAGTCAATTTCTACA- - - AAAACGCTTGCTGGGAT- - - - TTTATT	7812
Lion	----- T- - - - - - - T- - - TTCTTTGTGGAGTTTTAAATGACACATTTAGTTTATTTAATAGATCCAGGACTATTC	8285
Vaquita	----- AGATTTTGTACTTTTTTGGTTCAGATTTATCCTTA- TTTTGTGTTTTTTGGTG- - - - CTATTT	7296
Pig	----- TCTTTACGTTTTCTTATGAGTCAGTT- - TCTACA- CAATAGCCTGCTGGGAT- - - - TTAATT	7646

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Majority	X- TXX- - C- - - - - TTGGXCATXTGTGXCTTTT- - - - - ATTTGTTXTAATTCTGGGTGGTG- X- - - - T- - - - - TT	
	10090 10100 10110 10120 10130 10140 10150 10160	
Human	TATAGGCACACAGCACCATGCCAGCTAACTTTT- - - - AAATTTTTTATAGACCCGGGTCTCTCT- - - GTTTTGCCCA	7132
PolarBear	-----	0
Cow	- - - - - ATACAGATTTTTGTCTTTTTACTCAGATTTATCCTTATTTTGGGTTTTTTTTTTGGTGCTATTCT	7991
Dog	CTTCATTC- - - - - TTTGTCATATGG- ACACAC- - - - - TGCAATATAGTTCCTACTTTGG- - - - - TG	8079
BelugaWhale	CGCTGAGCCTGCGCGTCTGGAACCTGTG- CTCCGCAGCGGGAGAGGCCACAGCAGTGAGAGGCCCGCGTACTGCAAAAAA	7658
Donkey	- - - - - TTGGTCAGCTTTATCTC- T- - - - - ATTTTCATGTTTTTTTTGGATGCTATT- - - - -	7160
Cat	TTTCATTCTG- GTATTGATCATTGTGTCTTTTTCTTTTTTTTCATTGTGCTAGCTAGAGAT- - - - TATAGATTT	9476
Ferret	TGTCAGAT- - - - - TTATCCCTATTTTCATGTTT- - - - - TTTGGTGCTATTGTAAATGGTG- - - - - AT	8019
Lion	TTTCATTCTG- ATATTGATCATTGTGTCTTTT- - - - - TTTTCGTTGTGCTAGCTAGAGAT- - - - TATTGATTT	8512
Vaquita	CGCTGAGCCTGCGCGTCCGGAACCTGTG- CTCCGCAGCGGGAGAGGCCACAACAGTGAGAGGCCCGCGTACTGCAAAATA	7514
Pig	-----	7685

Majority	XAXTAATAATXTAX- - - AATXTCCAGTTGTTATTAXTATATAGAXXTX- AAGATTATTTTTGTXCATTGCTCTTGTATTX	
	10170 10180 10190 10200 10210 10220 10230 10240	
Human	GGCTGGTGTGAACTCCTGGCCTCAAGCGATCTTTCTGCCTCAGCCTTCCAAAGTGTTGGGATTAAGG- - CATGAGCCA	7210
PolarBear	-----	0
Cow	AAGTAATATTTAAAACAAATGTCCATTTGTTATTAATATATAGAAATA- AAGATTATTTTTGCCATTGCTTTTGTATT	8070
Dog	GCGTTATGGTTT- - - - - GATTCCAGTTTTTATCAG- GTAGCAG- - - - ACTGGCGATATTTTCCATTG- - CAGGTACAA	8145
BelugaWhale	AAGAAAAA- - AAATCAAATGTGTATTTGTTATTAATATATAGAAATA- CAGATTATTTATGCCATTGCTCTTGTATTC	7735
Donkey	- - TAAAAAATTC- - - - AATTTCCAGTTGTTA- - - GTGTATAGAAATACAA- ATGATTTTTGCATATTGCTCTTTTATTC	7230
Cat	TATTAATAGTCTCC- - - AAAAATCAGCTTTTTGGTTTTTCATTGAGTTTTCTATTTCTATTTTATTGAAAATACTGTTTTA	9553
Ferret	GATTTAAAATTTTC- - - AGTTTCCAGTTGTTACTAGTGTAAGA- - - - AATACAAATATTTTTGCATGTTCTTGTATTC	8091
Lion	TGTTAATAGTCTCA- - - AAAAATCAGCTTTTTGGTTTTTCATTGAGTTTTCTGTGTCCTATTTTATTGATAACTACTGTTTTA	8589
Vaquita	AAGAAAAA- - AAATCAAATGTGTATTTGTTATTAATATATAGAAATA- CAGATTATTTATGCCATTGCTCTTGTATTC	7591
Pig	-----	7685

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Majority	ATCACCTTTGCCAAACTCXTTATTAXTXXA- - CAGCTXTTGTAGATGCCATCXGATTTTATATTTACCTTT	
	10250 10260 10270 10280 10290 10300 10310 10320	
Human	CTACACTTGGCCACCTTTGTTTTCTAATAGAAGTTTTATACTTTGGTTAACATTTGGGTCTCTTTCATTTTGACTTAAT	7290
PolarBear	-----	0
Cow	AGCACATTTGCCAGACATTTTATTACAGTATA- - CAGCTTTTGGTAGATGCCATCAGATTTTCTGTGTACACTGTTT	8147
Dog	ATCAGTCTGCGTGTACAGTGAAATCACAATTA- - CAAAGTTTATGAAAACACATTGGCAAAGGATTCTTCACTAAT	8222
BelugaWhale	AGCACCTTTGCCAAACTCATTTATTAGATCGAA- - CAGCTATTTGGTAGATGCCGTGAGATTTTATATACACTGTTC	7812
Donkey	TGCACTCTTGCCAAACTCACTTAATAG- ATCTAA- - TAGCTGTTTTGTAGACGCCGTGAGATTTTCTACATAGACCATTT	7307
Cat	ATTTTCTTCTGCTTTGCATTTAGTTCTTTTTCAACTTAGTTATGTTGAAGCTGGTATTGTTGACGTGATACTTTTCTAAC	9633
Ferret	TTTACTCTTGCTAAACTCACTTGTAGATACCGA- - CATTTTTTTGTAGATATCAGATTTTACACATACTTACCTTTT	8168
Lion	ATTTTCTTCTGCTTTGCATTTAGTTCTTTTTCAAGTTAGTTATGTTGAAGCTGGTATTGTTGACGTGATACTTTTCTAAC	8669
Vaquita	AGCACCTTTGCCAAACTCATTTATTAGATCGAA- - CAACTATTTGGTAGATGCCATCAGATTTTATATACACTGTTC	7668
Pig	- AG- ----- CAGGCATTCTT-----	7698

Majority	A- - - TCXTATTTTATAXCTGGATGTCTTTTTTTTTTTTTC- T- X- - XCATCAA- TTGTTCAATGTTTAAAT- - GTATT	
	10330 10340 10350 10360 10370 10380 10390 10400	
Human	AT- - TTTGAATATGGTA- CAAAGTGTGGGTGAGAAGTATTTGGTTT- TGCATGGGGATATCCAGTGTTTACAGCATCATT	7366
PolarBear	-----	0
Cow	A- - - TTATATTTTCTATCTGAATGTCTTTTCTTTTTCTTACCTAT- GGCATTTAGTTGTTTCAAGTCACTAAGTATGAAAA	8222
Dog	- - - - TTGTTTTCCACAACCTGGATATGGGAGTGCCTGTTTCT- - - - - CTACATCTTACCCATTTCTGG- - - GTTTT	8286
BelugaWhale	A- - - TCATATTTATTATCTGGATGCCTTTTTGTTTTCTTGCCTGT- GGCATCTA- - GTACAATATTTAAATG- ATGAG	7883
Donkey	ATGTATCTTCTCTTCTATCTGGATACCGTTTTTTTTCTTGTCTTGCCTATGGCATCTAATACAATGATGAATA- - GAAGT	7385
Cat	A- - - TAGAGGTTTAGTGCTATATATTTTCTTTTTTTATTT- - - - AATTTAAATTTTTTTAATGTTTTTAT- - TTATT	9702
Ferret	- - - - TCATTTCTGT- - CTGGATGCCGTTTTTTCTTGCCTG- - - - - TGGCATCTTGTGCAGTGCTGAGTA- - GAAGT	8232
Lion	A- - - TAGAGGTTTAGTGCTATGATTTTCTTTTTTTATTTTTTT- AATTTAAATTTTTTTAATGTTTTTAT- - TTATT	8742
Vaquita	A- - - TCATATTTATTATCTGGATGCCTTTTTGTTTTCTTGCCTGT- GGCATCTA- - GTACAATATTTAAATA- ATGAG	7739
Pig	----- T----- GTTCAAT- - - T-----	7707

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Majority	AGXXAXAXXTAGXATGTTT- C- - - - - X- TTCATGGTXTTAGAGT- AXATAC- - - CCTAAATGA- - - XATTT	
	10410 10420 10430 10440 10450 10460 10470 10480	
Human	TGTTGAAAAGACTATCCTTTCTCCATTCACCTTGGCTTTGCAGCTTCATGAAAAATCACTTATGTCTGTATGTGTGATTTT	7446
PolarBear	-----	0
Cow	AGCATCTAGTGCAGTGTAAATAGGGAGAGCAAGCATTCTTTGTTCCCTGAATTAATAC- - - CTAAATGACGTTATTT	8299
Dog	ATAAAAATTTAGAATGTTAGC- - - - - TAATTATAGGCTAAAAAGGTG- - - - - CTTTATAG- - - TTTA	8340
BelugaWhale	AGCAGACCTTCTTACTTTT- - - - - TTCCTGATATTAGGGT- AAATAC- - - CTAAATGA- - - TATTT	7938
Donkey	GATGAGAACAGGTGACTTGAC- TT- - - - - TGTTCCCTGGTAGTAGGGT- AAACAA- - - CCTAAATGATATTCTTT	7449
Cat	TTGGAGAGACAGAGCGTGAGC- - - - - AGGGGAGGGGCAGAGAGAGGGAGAC- - - ACAGAATCT- - - GAAG	9761
Ferret	GATGAGAGCAAGCATCTTTAC- - - - - TATGTTCCCTATGTCAGGGCGAACC- - - CCTATATGA- - - TATT	8291
Lion	TTGGAGAGACAGAGTGTGAGC- - - - - AGGGGAGGGGCAGAGAGAGGGAGAC- - - ACAGAATCT- - - GAAG	8801
Vaquita	AGCAGACCTTCTTACTTTT- - - - - TTCCTGATATTAGGGT- AAATAC- - - CTAAATGA- - - TATTT	7794
Pig	----- CTAGAAT- ACATAT- - - CCTAAGTGA- - - TATTT	7734

Majority	TTTTCTTAAATGTTTGGTATA- - - - - GTTCAXXAGTGAAGCTGTGTGGACTTGATGTTT- T- - XCTTTGTGGAA	
	10490 10500 10510 10520 10530 10540 10550 10560	
Human	ATGTCTGTA CTCTTTTGTATTGACCCATTTTCCTTTATCTAGATGCTGAAACATACTGTCT- TAATCATTGTAGCTT	7525
PolarBear	-----	0
Cow	TTTTCTTAAATGTTTGGTACA- - - - - GTTCACCAGTGAAGCTGTATGGGTTTGTCTGTTT- - - - - TTGTGGGAA	8362
Dog	TATTTTGAAATGGTTGAGAT- - - - - TTAAAG- - - AATTTGAGAGTTTTAAATTTCTTGCCCTATGAACTAC	8403
BelugaWhale	TTTTCTTAAAAGTTTGGTACA- - - - - GTTCACTAGTGAAGCTGTGTGGCCTGGTGTGTT- - - - - TCTTTGTGGAA	8004
Donkey	CTTTCTTAAATGTTGGGTACA- - - - - ATTCACCAGTGAAGCTGTGTAGACTGGTGTGTT- - - - - TTTGC- - - -	7508
Cat	CAGGCTCCAGTTTTGAGCTGTTAGC- - - - - ACATCTGGGCTTGAACCTTGTGAAGTGAAGATCATGACCTGCGCCAAAG	9836
Ferret	ATTTCTTAAATGTTTGGGGGG- - - - - GCACCTGGG- - - TGGCTCAGTGGGTAAAGCCTCTGCCTTCGGCTCAGG	8359
Lion	CAGGCTCCAGTTTTGAGCTGTTAGC- - - - - ACAGCTGGGCTTGAACCTTGTGAAGTGAAGATCATGACCTGAGCCAAAG	8876
Vaquita	TTTTCTTAAAAGTTTGGTACA- - - - - GTTCACTAGTGAAGCTGTGTGGCCTGGTGTGTT- - - - - TCTTTGTGGAA	7860
Pig	TTTTCTTAAATGTTTGGTATA- - - - - GTTCACCAGTGAAGTTGTGTGGACCTGGTGTGTTATTTTCTTTGTGGGA	7804

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Majority	XXTTTTAAATX- CAGATTCAATTTATTGAATAGXTXCAGGAXTATTC- - - ACATTATXTX- - - XXTTTTGAGTGAGCTT								
	<table border="0"> <tr> <td style="text-align: center;">10570</td> <td style="text-align: center;">10580</td> <td style="text-align: center;">10590</td> <td style="text-align: center;">10600</td> <td style="text-align: center;">10610</td> <td style="text-align: center;">10620</td> <td style="text-align: center;">10630</td> <td style="text-align: center;">10640</td> </tr> </table>	10570	10580	10590	10600	10610	10620	10630	10640
10570	10580	10590	10600	10610	10620	10630	10640		
Human	TATATTGAGTC- TTGAAACCACTTACTTAGTCTTGGCCCTCCAACCTCTG- TTCTTTTTCAAAGTTGTTTTAACTCTTCT 7603								
PolarBear	----- 0								
Cow	GGTTTTAAACTACACATTCAATTTATTGAATAGATACAGGATTATTC- - - AGATTATCC- - - - TTTTGAGTGAGCTT 8432								
Dog	CCCTCTCTATACCTGACCTATTTTAATGATCATCTCTGTTAGATTTTC- - - TGTGTAAAAAGTGGTAGATTCATTGTAGGT 8480								
BelugaWhale	GGTTTTAAAC- - CACATTCAATTTATTGAATAGATATAGGACTATTC- - - ACATTATTC- - - - - TGGAGTGAGCTT 8070								
Donkey	- - TTT- - - - - GTTTCATTTTTATTTAATGGGT- - AGAACTATTT- - - AGTTATGTTT- - CTTCCTGAGTGAGCTT 7569								
Cat	TCGGACGCTTCACTGA- CTAAGCCATCGAGGTGCCCTATATATTAC- - - CCTCCTAAGTACAGCTTTCGTGGCCTCTCT 9912								
Ferret	TCATG- - - ATCCCAGGATTCTGGGATCGAGCCCCTCATCGGGCTCTC- - - TGCTCAGCAGGGAGCCTGCTCTCTCTCTGC 8433								
Lion	TCAGATGTTTCACTGA- CTAAGCCACCGAGGTGCCCTATATATTAC- - - CCTCCTAAGTACAGCTTTCGTGGCCTCTCT 8952								
Vaquita	GGTTTTAAAC- - CACATTCAATTTATTGAATAGATATAGGACTATTC- - - ACATTATTC- - - - - TGGAGTGAGCTT 7926								
Pig	GGTTTTAAACTACACATTAAATTTACTGCATGGATACAGGATTGTTCCGATAGATTACCTATTTTTTCTTGAGTGAGCTC 7884								

Majority	TGGTAATTT- TGTTTTTC- ATAGA- XTTAGTCTXTTTCATCAAAXTTGCTGAA- - - - ATXCAXAG- - GGTTX- - TGTTTT								
	<table border="0"> <tr> <td style="text-align: center;">10650</td> <td style="text-align: center;">10660</td> <td style="text-align: center;">10670</td> <td style="text-align: center;">10680</td> <td style="text-align: center;">10690</td> <td style="text-align: center;">10700</td> <td style="text-align: center;">10710</td> <td style="text-align: center;">10720</td> </tr> </table>	10650	10660	10670	10680	10690	10700	10710	10720
10650	10660	10670	10680	10690	10700	10710	10720		
Human	GAGTCCTTTGTATTTTC- ATATGAGTCAGT- - - TCTTAGAAAACCTGCTTGGATTTTACTGGATTTGACTTGAATCTGTA 7679								
PolarBear	----- 0								
Cow	TGGCAATTT- TGTTTTTC- ATAGA- ATTAGTCTGTTTCATCAAAGTTGCTAAACTCTTCATCAAAGTTGCTAAGCTTTTTTC 8509								
Dog	ACATTTTCT- TACATTCTTTGAA- - TTTGAGGTTTTTTCATGTAGTTTTAGGT- - - - ATATAGATTTATTTA- - TATTAA 8550								
BelugaWhale	TGGTAATTT- TGTTTTTC- ATAGA- ATTAGTCTGTTTCATCAAAGTTGCTGAACTTATTTGCATAG- - GGTTGTTTGTGT 8145								
Donkey	TGGTAATTTGTGTGTCGTCGTCAGTAGA- CTTAGTCCATTTT- TCCAAATTATTGAA- - - - - TG- - - - - TATTTA 7627								
Cat	CAGATTTTT- TTTTTTTTTTTAA- GTTTATTCAATTTGAGAGAAAGAGAGAGAGAGAAACCCCAAGCAGGCTC- - TGCACT 9988								
Ferret	CTGCTTCTC- TGCCACTTGTGA- - TCTCTGTCTGTCAAATAAATAAATAAA- - - - ATCTTTAAAAAAAAA- - TGTTTG 8503								
Lion	CAGATTTTT- TTTTTTTTTTTAAAGTTTATTCATTTGAGAGAAAGAGAGAG- - - AACCCCAAGCAGGCTC- - TGCACT 9025								
Vaquita	TGGTAATTT- TGTTTTTC- ATAGA- ATTAGTCTGTTTCATCAAAGTTGCTGAACTTATTTGCATAG- - GGTTGTTTGTGT 8001								
Pig	TGGTAATTT- TGTCTTCCATAGG- TTTAGTCTCTTTCATCTAAGTTGCTGA- - - - - 7933								

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Majority	- - - - - T X T T C A T T X T A T T G - X - - - - - X - - - - - T - - - - X - - - - - X - X - - - - T - - - - - T T T T A											
	10890	10900	10910	10920	10930	10940	10950	10960				
Human	AC- - - -	TGTAAATGATATTTTAAAACTTAATTTCCAATTGTTTGCTAG- - - - -	TG- -	TATAGAAATGAT- - -	TATGGCA	7898						
PolarBear	- - - - -										0	
Cow	- - - - -	TGTTTGTTGTATTGG- - - - -								AT- TTTTA	8560	
Dog	ATACTACATACAGAATATCCAAA- TTTTAGAGCTTTAGGATATGTTGA- -	AATTTCATTTTTTTTGTTATCT- - -	TTATA	8768								
BelugaWhale	- - - - -										A	8157
Donkey	- - - - -	CTTTTTATACTG- - - - -								TTA	7665	
Cat	GTTTCAGAATGCATTGTAATACATTTTTCTGCCCATGTGTTATGAGAAGTATGTTATTTATTTAATTGCCAAATATTATG	10215										
Ferret	TCTGTAGAATTAGTCCATTTCA- -	TCCAAGTTACTGAATTTATTTGCA- -	TAGTCATTTATGATACTACCC- - -	TTTTA	8716							
Lion	GTTCAAATGCATTGTAATACATTTTTCTGCCCATGTGTTATGAGAAGTATGTTATTTATTTAATTGCCAAATATTATG	9264										
Vaquita	AACCCGTGTCCCCTGCATCGGC- -	AGGCAGACTCTCAACCACTGCGCCACCAGGGAAGCCCTGTTTTATTACAT- TTTTA	8238									
Pig	- - - - -	TGTTTCATGATATTG- - - - -								TTA	7968	

Majority	T A T T T T T A A T A T A T G T A G A A T C T G T A G T G A T G T C A C T T C T C T C A T T C - - - - - C T X A T A T T G A T A G T T X G T G T C T T T T C C										
	10970	10980	10990	11000	11010	11020	11030	11040			
Human	TATTGCTCATATGTTCTGAACCTTTGCTAAACTCATTTAGTAGATCTAATAGTTTTTTTTATATATTTTCATCAGATTTGC	7978									
PolarBear	- - - - -										0
Cow	TATTTTTTA- -	ATAACTAGAATCTATAGTGATGTCATCTCTCTCATTT- - - - -	CTGATATTGATAATTAGTGTCTTTTCC	8632							
Dog	AATTTGCTGTAGTTACATCCCTTGTTTTTAGACCCCTGTCCTTTTTG- - - - -	GTTCTGCTTAAGGGAGATCCTAACAGG	8842								
BelugaWhale	TATTTTTATTATCTGTAGAATCTATAGTGATGTTGCTTCTCTCGTTC- - - - -	CTGGTATTGATA- - -	GTGTCTTTTCC	8227							
Donkey	TACTTTTGGTATTTGTAGAGTCTGCAGTGATTTCA- -	TCTCTCATTC- - - - -	CTGATGCTGGTAATTTGTTTCTTCTCT	7737							
Cat	AGTGTTCCATAGATGTTTGTTACTTTTTCTCGTTAATTTTTTTTTTA- - - - -	GTTTTTGAGAGAGCTAGAGCCCTCGCG	10289								
Ferret	TACTCTTGATGTCTGTAGAATCTGTAGTGATGTCACCTTCTCTCATTC- - - - -	CTTATACTGATAATTTGTCTTTTTTTT	8790								
Lion	AGTGTTCCATAGATGTTTGTTACTTTTTTCATTTAATTTTTTTTTTTAGTTTGTTTTTGAGAGAGCTAGAGCCACGTG	9344									
Vaquita	TATTTTTATTATCTGTAGAATCTATAGTGATGTTGCTTCTCTCGTTC- - - - -	CTGGTATTGATA- - -	GTGTCTTTTCC	8308							
Pig	TATTTTTTA- -	ATATGTATAGTCTGTAGTGATGGCGCCTTTCTCGTTC- - - - -	CTGATATTGATAGTTTGTGTCTTTTCT	8040							

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Majority	CTTT-----XTCAGTCTGGCTAGAGA----TTXATTGATTTTATTAATATAAATCTXAAAT-XAGCCTTTGGX								
	11050	11060	11070	11080	11090	11100	11110	11120	
Human	TTGAGAGGGAGTCTCAGTCACCCAGGCTGGAG-----TGCAGTGACGTGATCTTGGCTCACTGCAACCTGCACCTCCTGG								8053
PolarBear	-----								0
Cow	TTT-----ATCAGTCTGTCTAGAA----ATACATTGATTTTATTAATTTAAATA----AT-CAGCTTTTGGC								8690
Dog	AAAT-----T-----CCGGAATTTTAAATA-----AGAGGTTTGTTCATCTCTTTAAAAT--GTTTTTTTAC								8899
BelugaWhale	CT-----ATCAGTCTGGCTAAAGGTTTATTTATTGATTTTCATTAATATAAAACAGAAAT-CAGCCTTTGGT								8292
Donkey	TTTTT-----TTCCTTGTCTCAGTCTGGCTGGAGG----TTTATTGATTTTATTAATATTCTCC-AAAACCTCAGCTTTTAGT								7807
Cat	CACTCGTGCACATGTGCACATGCACGTGGGAGAG--GGGCAGAGAGAGAGGGAGACACACTCTGAAAC--AGGCTCCAAG								10365
Ferret	CCTT-----G-----TCATTTTAGCTAGAGA-----TTAATTTGTTAATATTCTCCAAAAAT--CATCTTTTGG								8847
Lion	CACT-----TGCGCACACGCATGTGGGAGAG--GGGCAGAGAGAGAGGGAGACACACTCTGAAAC--AGGCTCCAAG								9412
Vaquita	CT-----ATCAGTCTGGCTAAAGATTGATTTATTGATTTTATTAATATAAAACAGAAAT-CAGCTTTTGGT								8373
Pig	CTTTTT----TTCATTGTCTCAGTCTGGCTAGAG----TTTTATCGATTTTATTAATAAAAATATAAAATGCAGCCTTTGCT								8112

Majority	TTCATXGAXTTXTCTC----TTTTCTGTTTCCTATTTTATTGATTTCTGCTGTTTTAATXTTXTTCTGCTTTGTATTTA								
	11130	11140	11150	11160	11170	11180	11190	11200	
Human	GTCAAGCAATTCTCCT-----GCCTCAGCCTCATAAGTAGCTG-GGACTGCAGGTGCACACCACCGCCAGCTAATTT								8127
PolarBear	-----								0
Cow	TTCATTGAATTTTCTATG---TTTTCCATTTCCCATCTTATTGATTTCTGCTGTTTGAATGTT---CTGCTTTGTATTTA								8764
Dog	AT-----TCTTTGTG---ATTTGTAATT--AATTTAG--GGTTTCTTCTATACCCTTAACCATTTTCCACTGCG								8963
BelugaWhale	TTCATGGAGTTTTCTC-----TTTCCATTTTATTGATTTCTTCTGTTTTAATGTTTTTCTGCTTTGTATTTA								8360
Donkey	TTCATTGGATTTTCTCTGTTGTTTTCTGTTTCCTATTTTATTGATTTCTGCTGTTTTAATTTTCTTGTGCTTTGTATTTT								7887
Cat	CTCCAAGCTGTCAGCACA---GAACCTGATACGGGGCTCGAATCCATGAACTGTGAGATAATGACCTGGGCCGAAGTTGG								10442
Ferret	TT-----TCACTGCG---TTTTCTGTTTCCTATTTTATT--GATCTGCTGTTTTAGTTTTCTTCTGCTTTCCATTTA								8914
Lion	CTCCAAGCTGTCAGCACA---GAACCTGATACGGGGCTCGAATCCATGAACTGTGAGATAATGACCTGGGCTGAAGTTGG								9489
Vaquita	TTCATGGAGTTTTCTC-----TTTCCATTTTATTGATTGCTTCTGTTTTAATGTTTTTCTGCTTTGTATTTA								8441
Pig	TTCATTGAGTTTTCTC----TTTTCTGTAGCTATTTTATTGATTTCTGCTGTTTTAGTTTT--CTGCTTTGTATTTA								8184

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Majority	GTTTGXTTTCXXCTTAXTTAX- - - - CATTGAXGTTGATGTCATTGACATGATATCTTT- - - - TCTAAT- ATAGA- - GGT								
	11210	11220	11230	11240	11250	11260	11270	11280	
Human	TTGCATTTTTCAGTTGAGGCAGGGTTTCACC- ATGTTGGCCAGGCTGGTCTGGAACCTCCTGACCTCAAGTGATACACTTAC								8206
PolarBear	-----								0
Cow	GTTTGCTTTTTTTCCTATTTAA- - - - TATTAAAGTTGATGTAGTTGACACGGTATCTTT- - - - TCTAAT- ACAGA- - GGA								8832
Dog	AAATCTTTGCAAATAATTG- - - - - GCCTTTAGTGAAAACAACCTGCCTGAAGTGTTT- - - - CCATAT- CAGGA- - ATT								9029
BelugaWhale	GTTTGCTCTCTTCTTAGTTAA- - - - CATTGAAGCTGATGTAGTTGACA- - - TATCTTT- - - - TCTAAT- ATAGAGAGGT								8427
Donkey	GTTTACTTTTTTCTCCTTTGTTA- - - - CATTGAAGCTGATGTCATTGACACGATACCTTT- - - - TCTAAT- ATACA- - AGT								7956
Cat	GTGCTTAACCAACAGATGCC- - - - - CCAATGTGTCTATTATTTTAATTCAATTCCA- - - - TTGTGG- CTAGA- - GAA								10507
Ferret	GTTCTTTTCCAACCTTAGTTAT- - - - - GTTGATGCTGGTATCATTAAATATGATACCTCT- - - - TCTAAT- ATAGA- - GGC								8981
Lion	GTGCTTAACCAACAGATGCCTAGACGCCCAATGTGTCTATTATTTTAATTCAATTCCA- - - - TTGTGG- CTAGA- - GAA								9562
Vaquita	GTTTGCTCTCTTCTTAGTTAA- - - - CATTGAAGTTGATGTAGTTGACA- - - TATCTTT- - - - TCTAAT- ATAGAGAGGT								8508
Pig	GTTTGCTCTCTTCTGCTTAGGTA- GCATTTAAGTTGATGTCATTGACATGATACCTTT- - - - TCTAAT- TCAGA- - GGT								8256

Majority	TTAATGCT- - - - ATGTATTTX- CATXTAAXTATTGCTT- - - - TXATGGC- - ATCCCTCAAATTTTGACATGTATA- - - -								
	11290	11300	11310	11320	11330	11340	11350	11360	
Human	CTAGGCCTCCCAAAGTGTTAAGATTACAGGCGTGAGCCACCACCCCAAGCCTATGCCATTAATTTTCTACATAGA- - - T								8283
PolarBear	-----								0
Cow	TTAATGTT- - - - ATGTATTTT- CATACAAATATTGCTT- - - - TTATGGC- - ATCCCTCAAGTTTTGACATGTAAG- - -								8896
Dog	CCTAGATT- - - - ATAACCTCGTTTGTTGAAATATTAACCT- - - - CTTTGG- - - - - ATAGATGTTTTAAATAGTGAAAATT								9094
BelugaWhale	TTAATGCC- - - - ATGTATTT- - CATACAAGTGTTGCTT- - - - TCATGGC- - ATCCCTCAAATTTTGACATTTATA- - -								8490
Donkey	TTAGTGCT- - - - ATATAGTTC- CCTTTAAATACTGCTT- - - - TCATGGC- - ATCTCTCAAATTTTGACATGTG- - - -								8018
Cat	CATATTTT- - - - AAGACTTGAATCTTTGTAATTTGTTGAGACTTGTTTT- - ATGATCCAAATATCATATATCTTAAGTT								10581
Ferret	TTACTGCT- - - - TTGTATTTCCTTTTAAGTACAGCTT- - - - TCATGGC- - ATCTCTCAAATTTTGACATGCATACTTT								9050
Lion	CATACTGT- - - - AAGACTTGAATCTTTGTAATTTGTTGAGACTTGTTTT- - ATGATCCAAATATCACATATCTTAAGTT								9636
Vaquita	TTAATGCC- - - - ATGTATTT- - CACATGTGTTGCTT- - - - TCATGGC- - ATCCCTCAAATTTTGACATTTATA- - -								8571
Pig	TTAATGCT- - - - ATGTGTTTT- CATATAAGTGTTGCTC- - - - TTATGGC- - ATCCCTCAAATTTGACTTGTG- - - -								8318

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Majority	----	XTTCTTTTCATT	CAGTTC	CAAATA-	T--	XCATT-	-X-	----	X-	XT-	-X-	-----	TTATTATTTTTT	-----	
		11370	11380	11390	11400	11410	11420	11430	11440						
Human	--	AATTTATACCCAATT	GTTTTTAAATAGTTTT	CTTTCTTTCTATCT	GGATGCCATTTTT	TGTCTCCTTTTTT	-	TGTCT							8360
PolarBear	-----														0
Cow	----	CTTCTTTTCATT	CAGTTCAGAGTA-	----	CAT-	-----	-----	CTACCATGTTT-	-----						8934
Dog		GTAGTAGTTTT	CCCTTTTTCCGGGT	ACACTACCCAAT	GACGCCTTTT	AAAAAAAAACGGT	GCTACTTTATA-	-----	CG						9168
BelugaWhale	----	CTTCTTTTCATT	CAGTTC	CAAATA-	----	CATT-	-----	-----	CCAATATGCTTTT-	-----					8531
Donkey	-----	TACTTTTCATT	CTGTTCAAATA-	----	CATT-	-----	-----	CTAATAGTTTT-	-----						8056
Cat		TTATGTGCACTT	GATAGAGATGT	GTATTCTGCTCCT	GGGTAGTGT	TTTTATAAAT	GTCATTTGTTT	ATTGATAAT	GTTGTT						10661
Ferret		TTATTCAGCT	CAAATACATT	CTGATATACT	TTTGACCCAT	GTATTATTCAGA	AGTATGTTATTT	ATTTAATT-	-----	GC					9124
Lion		TTATGTGCACTT	GATAGAGATGT	GTATTCTGCTCCT	GGGTAGTGT	TTTTATAAAT	GTCATTTGTTT	ATTGATAAT	GTTGTT						9716
Vaquita	----	CTTCTTTTCATT	CAGTTC	CAAATA-	----	CATT-	-----	-----	CCAATATGCTTTT-	-----					8612
Pig	-----	TACTTTTCATT	CAGCTCAAATA	AATCCTCAT	GTTTTTATT	TATAATAATTT	GTTCTTAT	TTTTT-	-----						8385

Majority	GAATTTCTTT	GACCCATGGATT	TATTGAGAA-	TATX	TATTTAATTT	CCATG	TATTTXGAATTTT	CXATG	TAXCTTTCT-	-	
	11450	11460	11470	11480	11490	11500	11510	11520			
Human	GTGGTATCCAGT	ACAATGTTT	AATAGAAGT	GTTGAGAGA	AATATCTTTT	CCTTGCTCCT	GATATTAGGGT	GAGAACTCTAA			8440
PolarBear	-----										0
Cow	--	ATTTCTTT	GACCCATGGATT	TATTGAGAGGT	ATGTTATTTA	ATTTCCAGGT	ATTTGGAATTTT	CCATATACTTTT-	----		9008
Dog		GAAATAGTTT	GTTACAAGC	AGAAGTGGTTA-	GCAACT-	TTCCA	ACTGATTT	CATTTATGTTTTT	GAAAGCACCTACT-	--	9243
BelugaWhale		TTATTTCTTT	GACCCATGGATT	TATTGAGAAGT	ATGTTATTT	GATTTCCAAGT	ATTTGGAATTTT	CCATGTATATTTCTG-			8610
Donkey	--	ATCTCTTT	GACCCATGGGCT	GTGGAGAA-	----	GCATTTA	ATTACCAAATA	AATTTAAGTTTT	CTATATATCTTTC-	--	8126
Cat		GAAGTGATCT	CTGTCTTCTT	GATTTTCTG-	TGTATTGT	GCTATCACATT	GAGAGAAGGAT	ATTGAAATTT	CCTCTTTTA		10740
Ferret		CAGATATTT	GGAGTTTTCC	ATAGATGTTTC-	TGTTAC-	TCTAATTT	CATTGTAGCT	AGAGGACATATT	GTAAGACTT-	--	9199
Lion		GAAGTGATCT	CTGTCTTCTT	GATTTTCTG-	TGTATTGT	GCTATCACATT	GAGAGAAGGAT	ATTGAAATTT	CCTCTTTTA		9795
Vaquita		TTATTTCTTT	GACCCATGGATT	TATTGAGAAGT	ATGTTATTT	GATTTCCAAGT	ATTTGGAATTTT	CCATGTATTTTCTG-			8691
Pig		AAATTTCTTT	GACCTGTGGG	TATTGAGAA-	-	ATGTTAT	GTAAATTT	CCAGCTATTT	GGAATTTT	CCATATATTTTCTA-	8462

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Majority	--TATTTATTTCTAATTTAATTCXATTGTXXCTAGAGAAX- - - -ATXTTG- AAGACTTGAATXTTTGTAA- - - TTTATTT	
	----- ----- ----- ----- ----- ----- -----	
	11530 11540 11550 11560 11570 11580 11590 11600	
Human	--AATTTCTTCCTTAACTGACACAGTTCA--CTAGTGAAGCCATGTGGGGCCAGATGTTTGT-TTTGTCTGGGAGGTTTTTA	8515
PolarBear	-----	0
Cow	--TGTTTGTTCCTAATTTAATTC-ATTGTGCCTGGAGAACAT--ATTTTGAAGACTTGAATCTTTGTAAT--TTTTTCT	9081
Dog	--GGTTTGTACATTGCTTCCC-----CTA-----CTTTCTT	9272
BelugaWhale	-TTATTTATTTCTAATTTAATTCATTGTGCTTAGAGAAC- - - -ATTTTGTAAAGACTTGAATCTTTGTAA- - - -TTATTT	8681
Donkey	- - - -TGTTGTTCTAATTTAATTCATTGAAGCTAGAGAAAAT--AGTTTGTAAAGACTTGAATCTTTGAAA--ATTTGTTG	8198
Cat	CCGGTGCATGTCTAAGTTTCTCCTTGCAGTTCAGTATGTATGTATGTATGTATGTATGTATGTATGTATTTATTTATTT	10820
Ferret	--GAATCGTTTGTAAAGTTTGT-----TGAG-----A-----CTTGTTT	9230
Lion	CCTGTGCATGTCTAAGTTTCTGCTTGCAGTTCCA-----GTTTTTATTTATTT	9843
Vaquita	-TTATTTATTTCTAATTTAATTCATTGTGCTTAGAGAAC- - - -ATTTTGTAAAGACTTGAATCTTTGTAA- - - -TTATTT	8762
Pig	-TTATTTATTCAGATTTAATTCATTGTGCCTAGAGGACGT--ATATCAAACACTTGAGTCTTTGTGAC--TTTGTTT	8537

Majority	XATTGTTT- - - - -TATGGTTTAAATATXATATATCCTGT- - - - -TTTATGTGXTTTTGTAGGGA- TGTGTATTCTGT	
	----- ----- ----- ----- ----- -----	
	11610 11620 11630 11640 11650 11660 11670 11680	
Human	AACTACATATTTCAACTTATTTAATAGATATAGGGCTATTCAGTTTGTTTAGTTCTTCTTGAGTGAACTTTGGTAATTTGT	8595
PolarBear	-----	0
Cow	TA- - - TTT- - - - -TATGGTTTAGATATTATATATCCTGTT--AGT-TTTAAGTGCTTT--ATAGAGA-GGTGTATTCTGT	9147
Dog	AACTGTTT- - - - -AAATTTGGCTAGAGTATATGAA- - - - -AAGTTACCAACATTGGCTTTTATAGATAGT	9331
BelugaWhale	TATTGTTT- - - - -TATGGTTCAAATAT- - - ATATCCTGT- - - - -TTAAGTGCATTTGATAGGGA- TGTGCATTCTGT	8745
Donkey	AGACTTATTT- - - TATGGTCCAAATGTCATATATCCTCTT--AGTTTTATGTGCGCTTGATAGGGG- TGTGTATTCTGC	8271
Cat	ATTTATTTATGTTTTAAGTTTATGATTAGTACGTGAATGTTTAGGATTACTATGTCTTCTTTGTGCATTGACTCCTTTTT	10900
Ferret	TATCACCC- - - - -AAATATGTAACCTTACATTTTAC- - - - -ATGTATTTAATAGGGG- TGTGTATTCTGC	9288
Lion	ATTTTTT- - T- - - T- AAGTTTATGATTAGTACATAAATGTTTAGGATTACTATGTCTTCTTTGTGCATTGACTCCTTTTT	9917
Vaquita	TATTGTTT- - - - -TATGGTTCAAATAT- - - ATATCCTGT- - - - -TTAAGTGCATTTGATAGGGA- TGTGCATTCTGT	8826
Pig	TACTGTTT- - - - -TATGGTTCAGACATCATATATCCTGTC--AGT-TTTATGTGCTTTTGTAGGGA- TGTGTATTCTGT	8608

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Majority	TATTGTG- - TAXTGTGTTCTTTACATXT- - - TTAGGTCATGTTTATTGATATTGTTGTTTCATGATATCTGTCT- TTCCT	
	11690 11700 11710 11720 11730 11740 11750 11760	
Human	ATCTTCTGTAGAAGTCCATTTCTTTAAGTTGCTGAATGTATTTGTGTAGAGTTGTTTCATGATACTACTATTTTTTT	8675
PolarBear	-----	0
Cow	TGTTGGG- - - CGATGTGTTCTGTATATGTTAATTAGGTCGTGCTTATTGGTAATGTTGTTCAAGTGAT- - GTCT- TTCT-	9220
Dog	TGTAATG- - - AAATAATGCTCTTACTTTTT- - TTGTAACGATTGAACATAACTGGTTGTTTATAATAGGTGTGTTATTAA	9406
BelugaWhale	TATTGT- - - - - TGTGTTCTATGCATGTCAATTAGGTCATGTTTATTGGTAGTGTTGCTCAAGTGATCTGCCT- TTCCT	8817
Donkey	TGCTGTTCCGGTGGTATGTTCTGTAAATG- - - TCAGGTCAGTTTATTGATAATGTTCAA- GTCATATCTGTCC- TTCCT	8345
Cat	TATTATG- - - TAGTGACCATTTTTATCCTTG- TAATACTCTTTGCTTTAAAAATCTACTTTTTATGATATAGCCAT- CTGGC	10974
Ferret	TGTTGGG- - - TAGTGTTCTATAAATATCAA- - TTAGATTAAGTTTATTGATAATGTTGAC- GTGATTTCTGTATGGGAGT	9362
Lion	TATTATG- - - TAGTGACCATTTTTATCCTTGG- TAATACTCTTTGCTTTAAAAATCTACTTTTTATGATATAGCCATTCTGGC	9993
Vaquita	TATTGT- - - - - TGTGTTCTGTGCATGTCAATTAGGTCATGTTTATTGGTAGTGTTGCTCAAGTGAGCTGCCT- TTCCT	8898
Pig	TACTGGG- - - TGATGTGCTCTATACGT- - - - TCCGGTTATGTTTGTGATATTGTTGCTCACAAGATCTGTCT- TTCCT	8679

Majority	GATTTTTTXXXT- - - GTT- - - GTTCTGTCACTTTTTTGAXAXAAXAAXATTGAAATCTCX- TATATT- TT- - - XTGCATTX	
	11770 11780 11790 11800 11810 11820 11830 11840	
Human	TTTTTTTTTTTTTTTGTGACGGAGCCTTGCTCTGTGCGCCGGGCTGGAGTGCAGTGGCACCATCTCGGCTCAATGCAACC	8755
PolarBear	-----	0
Cow	----- ATT- - - G- - CTGTCACTTACTGAAAAAATGACATTGAAATCT- - - - ATATT- - - - - GTGCGTTC	9270
Dog	AAATGCTTTGCTCAGGTT- - - - TTTTAGAATAGTATCTATTTCTTAAAATGCTATATATATATATATAT- - - ATATATTA	9479
BelugaWhale	GATTTTTT- - - - - ATT- - - GTTCTGTCACTTATTGAGAAAACAATATTGAAATCTCC- TATATT- - - - - GTGCATTTC	8880
Donkey	GATTTTCTGTCT- - - ATT- - - GTTTTATCCCTTTTTGAGAGAAGAATATTGAAATCTCCTCCTATACTT- - - GTGCATTT	8416
Cat	TTTCTTTTGAATAGGGTTCACATGGTATATCTTTTTCCATTCTTTTACTTTCAACCTATTTGTGTCCTT- - - AGATTTAA	11051
Ferret	ATCTGTTTCTCCACACCC- - - - TTTTGCAGTTCTGGGTTTTAGAAAAATTTAGACTGTTAGTTAATTTT- - - AGGCTAAA	9435
Lion	TTTCTTTTGAATAGGGTTCACATGGCATATCTTTTTCCATTCTTTTACTTTCAACCTATTTGTGTCCTT- - - AGATTTAA	10070
Vaquita	GATTTTTT- - - - - ATT- - - GTTCTGTCACTTACTGAGAAAACAATATTGAAATCTCC- TATATT- - - - - GTGCATTTC	8961
Pig	GATTTTATGTCTATGGTT- - - GTTCTGTCACTTGTGAGAAAACAATATTGAAATCTCC- TATATTTTT- - - GTGCATTT	8752

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Majority	GTTTGT TTTT - - - XCTTGCAXTTCTACCAGTTT - - - - - - - - - TACXTTATATTTTTGGXAT- TATGATTAGTXCATA										
	11850	11860	11870	11880	11890	11900	11910	11920			
Human	TCCACGTCCCGGGTTCACGCGGTTCTCCTGCCTCAGCATCCCAAGTAGCTGGGATCACAGGCACACACCACCACACCTGG										8835
PolarBear	-----										0
Cow	GTTTGT TTTTG- - - CTTGTGTTTCTATCATTTTC- - - - - - - - - ACTTTATATTTTTGAAAT- TACAATTAGTACATA										9334
Dog	TATACACACAC- - - ACACACATGTGTATAGCATG- - - - - - - - - CACATGCATCCTTAGGTAT- TTGTATCAGAAATTC										9544
BelugaWhale	GTTTGT TTTT - - - CTTTGCAGTTCTACCAGTTTT- - - - - - - - - TGCTTTATGTTTTTGAAGT- TATAATTAGTACCTA										8945
Donkey	GTCTGTTTCT- - - GCTTAAAGTTCTACCAGTTTT- - - - - - - - - TGCTTTATGTTTTTGAAG- TATGATGAGCACATA										8481
Cat	AATGTGTTTTT- - - TGTAGATAGCATAAAGTTGGAATTCCATTTTTACATCCAACCTTACACTCT- CTTGTTTTGACTAAT										11127
Ferret	AGAGTGCTTTT- - - TATAATTTACGTTTTTGAAG- - - - - - - - - TGGATGAGATTTGACCTTA- TATGTCTTGTCTGT										9500
Lion	AATGTGTTTTT- - - TGTAGATAGCATAAAGTTGGAATTCCATTTTTACATCCAACCTTACACTCT- CTTGTTTTGACTAAT										10146
Vaquita	GTTTGT TTTT - - - CTTTGCAGTTCTAACAGTTTT- - - - - - - - - TGCTTTATGTTTTTGAAGT- TATAATTAGTACATA										9027
Pig	GTCTGTTTTT- - - CTTTGCATATCTACCAGTTT- - - - - - - - - TTATGTTTTTTG- - - - TAACATTAGTCCATA										8809

Majority	AAXGT- - - - - TTAXAATTA CT- - - - - AXGTCCTCTTTATTTATTGACCXCTTTATTATTTTTGCA- GTGACCTTTTTTAT								
	11930	11940	11950	11960	11970	11980	11990	12000	
Human	CTAATT- - TTTTGTATTTTTAGTAGAGACGGGTTTTCACTATGTTGGCCAGGTTGGTCTCGAACTTGTGATCTGCCCGCC								8913
PolarBear	-----								0
Cow	AATGT- - - - - TTAAGATTA CT- - - - - ATGTCCTCTTGATATATTCACCTCTTTATTATTATACA- GTGACCATTTTTTAT								9402
Dog	AAG- - - - - TTGAAGGCATT- - - - - TTAGTGTGTCTGTAAAGTGACAACATTGTTAACTTGTA- ATTCAAAGACTGA-								9610
BelugaWhale	AACGT- - - - - TCAGGATTA CT- - - - - ATGTCCTCTTGATTCATTGACCCCTTTATTATTATGCA- GTGACCTTTTTTAT								9013
Donkey	AGTGT- - - - - TTAGGATTA CTGTGTCCTCTTGATTATTATGCAGTTACCATTTTTATCCCTGGTA- ATATTCTTTGCTTT								8555
Cat	AAGATTAGTTTTAAACTACT- - - - - TTGCTGTTTTTCTGTTTGTGCTTTGTGTTCTTTGTTCCCT- TTTTCTGCTATCTT								11202
Ferret	GAA- - - - - CTGCCTCTATA- - - - - TACCTGACCTATCTTAATGTTTATTATTAGATTTCT- GTGTAAAAATTGAC								9567
Lion	AAGATTAGTTTTAAACTACTAC- TTTGCTGTTTTTCTGTTTGTGCTTTGTGTTCTTTGTTCCCT- TTTTCTGCTGTCTT								10224
Vaquita	AACGT- - - - - TCAGGATTA CT- - - - - ATGTCCTCTTGATTCATTGACCCCTTTATTATTATGCA- GTGACCTTTTTTAT								9095
Pig	AATGT- - - - - TTAGAATTATT- - - - - ATGTCCTCTTTATTTGTTGATCTCTTTATTATTATGCA- GTGACCGTTTTTAT								8877

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Majority	TCTTGTXT-CT- - - A-TTGXTXXXXXXXXAXXTX- - - XTGTXTA- - - CTTTAGCAGTAATATTTCTATTXXGTXTTCAXG	
	12170 12180 12190 12200 12210 12220 12230 12240	
Human	GATTGAAGTTT- - - - ATTGATTTTATTAATCTCCAAAATACCAG- - - CTTTTGGTTTGAGTTTTCTCTGCTGTTTTTCTG	9142
PolarBear	-----	0
Cow	TCTTGTAGACT- - - A- CAGGTGGTCAGAGTATTG- GAGCTTCAG- - - CTTCAGCATCAGTCCTTCCAATGAATATTCAGG	9615
Dog	GCTCGGCTCTT- - - TCATTATGCTACATAAATCTCGGATGCGCA- - - TTTATACAGTAAAAAGATATGGAGTAAACACG	9816
BelugaWhale	TCTTT-----G-----CTTT-----TTTTTAA-----	9068
Donkey	TCTTTCTTTCTTTGAGGAAGAGTTGCCCTAAGCTAACATCTGCACCAGTCTTCCTCTACTTTGTGTGTGGGGTGCTCACA	8795
Cat	GCCTCTGTACT- - - A- TTGGTATCATATATTTTACTTTTGTATA- - - TGTTACAAGTCCTATAT- TATTTGTTGAAACAG	11415
Ferret	TTTCCTCAGGT- - - AGTTTTGGGCATATAGATTT- ATTTGTATT- - - ATTAAGTAGTATAATTTCTTCTTTTTTTTTGTAG	9777
Lion	GCCTCTGTACT- - - A- TTGGTATCGTATATTTTACTTTTGTATA- - - TGTTACATGTCATATAT- TATTTGTTGAAACAG	10440
Vaquita	TCTTT-----G-----CTTTC-----ATTTTTTTAA-----	9154
Pig	TCTTGAG- TT- - - C- CCA-----TTGTG- - - GTTCAGCGGGAATGAATCTGACCAGTATCCATG	8981

Majority	- X- X- T- T- TXXX- AAXATTXXC- - - - - XGTTTTXATXTXTTTTCTXGTAXXXGXAXAATAGA- - TXT- T- XXXAACTT	
	12250 12260 12270 12280 12290 12300 12310 12320	
Human	TTTTCTATTTTATTGATTTCTGCT-----ATTTTTATTTTGTTTTGCTTTGTGGTTAGTTTGATCTTCATTTTCTACTT	9216
PolarBear	-----	0
Cow	GTTCAATTT- TCTTTAGGATTGAC- - - - - TGGTTTGATCTCCTTGCT- GTTCAGGGAACTCTGAACAGTTTTCTCCAGCAC	9688
Dog	CGCAATTT- TATTTCACTAGC- - - - - ATCTCTCATTTTTATCTGGAGATACACAAAAGAGCTGTATCTTTTAGAACT	9889
BelugaWhale	-----A-----TTTCTTTGCT-----T-----	9080
Donkey	GCATGGCTGTTGAGTGGGGTATGTCCGCACGTGGGATCTGAACCCGTGAACCCGGGCCACTGAAGCAGTGTCCAGAACTT	8875
Cat	CCAATTATCTTTTAAATACTACTTAAACAATAAGAAAAATATTTTCTGTATTACTCACAAACACAGTTGTGTGCATGCATT	11495
Ferret	TTTATTTAATCTTGAACATTTTT- - - - - AGCTTCTTCCATCTTTTAAAAAGGATTATAATAGCTTTGAAGATTAAATCT	9851
Lion	CTAATTATCTTTTAAATACTACTTAAACAATAAGAAAAATATTTTCTATATTAATCATAACACAGTTGTGTGCATGCATT	10520
Vaquita	-----A-----TTTCTTTGCT-----T-----	9166
Pig	-----AGGAT- - GC- - - - - AGGTTTGATCTCTGGCCTTGCTCAGTGGGTTAAGGA- - - - - T- - - - CCAGCGT	9032

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Majority	TAXTATT-XGX-X-AXTATX- - - - - TXTAAGTCXT-XXT-XXT-XXAC- - - - TTXGTACTTTGTXT-XGAC- - - - -	
	12330 12340 12350 12360 12370 12380 12390 12400	
Human	AGTTAACATTGAAGTTAATGTCATTAACCTTAGTACTTTTACTTATATAGGG- - ATTTATTGCTGTATGTTTCCCTTTTAA	9294
PolarBear	-----	0
Cow	CACAGTTCAAAAATACCATTT- - - - - TTTGAGTGCTCAGCCTTCTTCAC- - - AGTCCAACCTCTCACATCTGTC- - - - -	9753
Dog	TCATATGAAGAGAATCGATT- - - - - AAGAAAGCACAACCTAGATCTTAA- - - - TAAGCACTATGTGCAACAT- - - - -	9951
BelugaWhale	TACTTTT- - - - - T- - C- - - - -	9089
Donkey	TAACCACTAGGCCATGGGGCCAGCCCCTGAACTTAATTTTTGAATCCAAGCGTACACCCTCTTTTGATTAACACCATGTA	8955
Cat	GAATATTCGGGGGGATTTTTCCACAGATTCCCAGAGCTGCCTCTGTGCAACTCTCTTTGGTACTTTGCTGCAGAAACCCTA	11575
Ferret	GATTATGTAGAAAAAGTATTTTTCACAACTAGGTCTTCAGTTAATGTTAAC- TGATTTACACTACATACAGAATATTCAA	9930
Lion	GAATTTTTCGGGGGGATTTTTCCACAGATTCCCAGAGCTGCCTCTGTGCAACTCTCTTTGGTACTTTGCTTCAGAAACCCTA	10600
Vaquita	TACTTTT- - - - - T- - C- - - - -	9175
Pig	TGCTGT- - - GA- - - GCTGTGG- - - - - TGTAGGTCATAGGC- - - - - AC- - - GATGCGGATCTGGTGT- - GAC- - - - -	9082

Majority	- - - - TTTTGXTATXACXGGAGTC- TXA- CTCTT- - - - - TXT- TAAAXTTTXXGCTATCTTCTXAATATTGTTTC- X- T- -	
	12410 12420 12430 12440 12450 12460 12470 12480	
Human	- - - GTACCGCTTTCACGGCATTCCCTCAAATTTT- - - - GACACGTATATTTTTATTCACTTCAAATACTTTTTTAAATAT	9367
PolarBear	-----	0
Cow	- - - - CATGATTACTGGAAAAACC- ATAGCTTTG- - - - ACTATATGAACCTTTGTTGACCAAGTGATGTCTCTGCTTTTT- -	9823
Dog	- - - - TTTGGCTCTCAATAGGGTGAGGATTAAGT- - - - - TTGGTAACGGCTCCGAGTAGACTTCACAATAAGTAGGGT- -	10019
BelugaWhale	- - - - TGATATTAATACAGCCATC- - - - - T- - - - - - TGGCTTTCTTTTGAATACAGTTA- - - - -	9133
Donkey	CAGTTAATGTTATTAATAATGTGGTTAGTTTTACAACCTACCACGTTGCTGTTTGTATATTCCTTGTGTTCTTCCCTCTTT	9035
Cat	CTTGCTTTGGTCTCCTTGGACTCATGTCCTCTTAGGGAGTTTTTGAAGTTTGGCCATTTTCTCCACCTGGGCTGTGCC- -	11653
Ferret	ATTTTTTAGCTTTAGGATATGTTGAAATTTTCAT- - - - - TTTTCATTATCTTTATAAATTTGCTGTAGTTACTCAGTT- -	10002
Lion	CTTGCTTTGGTCTCCTTGGACTCATGTCCTCTTAGGGAGTTTTTGAAGTTTGGCCATTTTCTCCACCTGGGCTGTGCC- -	10678
Vaquita	- - - - TGATATTAATACAGCCATC- - - - - T- - - - - - TGGCTTTCTTTTGAATACAGTTA- - - - -	9219
Pig	- - - - TGGGGCTGTGGCCAGCGTCTGCAACTCTG- - - - ATT- - - CAACCCTTACCTAGCCTGGGAATCTCCCTTC- - - - -	9145

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Majority	- - - - XTXTGCTX- TTTCTTTTTGCATAATCTGTXTTAAAXATAAATTGTXTXTXTAATTTXXTGXXTTAAAGTTTXTT								
	12490	12500	12510	12520	12530	12540	12550	12560	
Human	TTCTTTGACCCA- TGGGTTATTGGAAAGTATGTTATTTATGTTATTTAATTTCCAAATATTTGGAGTTTTCCATATATCT								9446
PolarBear	-----								0
Cow	- - - AATGTGCTGTCTAGTTTTGT CATAGCTTTTCTTCCAAGGAGCTAGTGTCTTTAATTT CATGGCTGCAGTCTTTGTC								9900
Dog	- - - GATATGTGACATAGTATCAGGGTAACCAGTTTTGGAGAGAAATTGTGATATAACAAGTCGTAGATGTTGAAGGGTCT								10096
BelugaWhale	- - - - - CATGGTA- TATCTTTTTCCATTATCTTACTTT CAGACTATTTGTATCCTTAGAT- - - - - TTTAAAGTGTATT								9199
Donkey	TCTCTTCTTCTGCTTTCTTTTGGATTGGTTTTTTTTTTTCCATTTTATCTCTTGTAGCTGATTAGCTTATAACTCGTT								9115
Cat	- - - ATGGCCTGGTCTTTCAAGATAGTAAGCTGGGGCAATCATGGACTGACCTTACTTGTCTTCTGAATTT CAGGGATCAT								11730
Ferret	- - - GATTTGAGACTCCTTTTTGGTTAGCCTAGTGAGAGTATAAAAGGAAGTTTATAAATTTTAATAAGAGATCTGCAT								10079
Lion	- - - ATGGCCTGGTCTTTCAAGATAGTAAGCTGGGGCAATCATGGACTGACCT- - - TGTCTTCTGAATTT CAGGGATCAT								10751
Vaquita	- - - - - CATGGTA- TATCTTTTTCCATTATCTTACTTT CAGACTATTTGTATCCTTAGAT- - - - - TTTAAAGTGTATT								9285
Pig	- - - - ATATGCTG- CGGCTGTGGCCCTAAAAGACAAAAAAGTGTCTTGTAG- - - ATGGC- ATAAAATAGACT								9215

Majority	TGC- - - - - TTGTAGGGTXXXTAAAATAXATTCT- XCXTXTGATTTXAXTXXTTT CAXXTTATTTXTTAXXXX- - AATTG								
	12570	12580	12590	12600	12610	12620	12630	12640	
Human	TTCTGTTATGTATTCATAATTTTAGTTTTATTCTGGCCAGAGAACATATTTTCTAAGACTTGGATCTTTGTAAA- CATGG								9525
PolarBear	-----								0
Cow	TGCAGTTATTTTGGAGCCCAGGAAAATAAAATCTGTCACTTGTTTGCCTTTTTCGCCTCTATTTGCCATTAAG- TGATG								9979
Dog	CCTCT- - - - TTATTGGGTATGCATGATTTATGGCAAATTTGTCGTTGACTGGGTGCGCACAAAATACGAACAA- - AACCC								10170
BelugaWhale	TCC- - - - - TGTAGACAGCATAAAAATAGAGACT- - - - - TGATT- - - - - TTTA- - - - -								9235
Donkey	GTTTAGTTATGCTAGTGGCTGTCTTACGATTTATAGCATAACATCTCTAATGTATCACAGTCTTCCCTCAAGGAGTATTTG								9195
Cat	TGTCCATCATTGTCTGGTTCTTGAAAACCATTGTTACACATGTCTGTGTAAATTTTTTTTTTTTTTTTTTTTAAAGTT								11810
Ferret	TTCTT- - - - TAAAATGGTTTTTACATTTCTTGTAAATTTGTAAATTT CAGGGTTTCAATTTCTATACCCTTAACC- - AATTG								10153
Lion	TGTCCATCATTGTCTGGTTCTTGAAAACCATTGTTACACGTGTATGTGTAAATTTTTTTTTTTTTTTA- - - - - AAGTT								10825
Vaquita	TAC- - - - - TGTAGACAGCATAAAAATAGAGACT- - - - - TGATT- - - - - TTTA- - - - -								9321
Pig	TG- - - - - ATTTTTAAATCCTGTTTTATACGCTCT- - - - TTTGATTAAGACCCTGCACATTCAGT- GTTAATATA- TATTA								9284

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Majority	XCAXTGGXXA- ATTXTATCXTAXTACXTXXX- TTTTGACTTTTA- XXCAATTCTTTCAC TXTTCTTTGTTT XAAXAAX								
	12650	12660	12670	12680	12690	12700	12710	12720	
Human	AGACTTGTT- - TTGTGGTCCAAATATATATGTTGTTAAGTATTCACTGAATACTCTGATGATTCTCTGCAGATTTGGAGA								9603
PolarBear	-----								0
Cow	GGACTGGATG- ATATGATCTTAGTTTTTTTTATTTTTGAGTTTCAAGCCAACTTTTTCACTCTCCATTTTTTACCCTCATC								10058
Dog	AAAGTGAAGA- GCTTTTGTATGAGAGATGG- - TAGGTAGGTATATACTGGTTGTATCAATGTAGTCTGAGGCGCAAGAGA								10247
BelugaWhale	---- A- ---- ATCCTATCTTACACCCTCTT- - - TTGGTTGTTG- - - - AGACCCTTACATTCAATATTGTTATATTAAT								9298
Donkey	CCACTTCACATATACTATGCGAATATTAGAAGATTTCTCTTCTTGCGTGTGTACTATTGTTATCATACATTTTACTTC								9275
Cat	TCAGTGGGAA- ACTCGTGCATATTACACCG- - TCTTGCCTGGAAGTACAAGTCCACCTACTTTTTCTTTTTTCAAAAAA								11887
Ferret	CCACTGTGAA- ATCTTTGCAAAGTAATTGGA- CTGTTACTTGGAAAACAAAATTCTGAAGTGATTGCATAGTAATTCC								10231
Lion	TCAGTGGGAA- ACTCGTGCATATTACACTG- - TCTTGCCTGGAAGTACAAGTCCACCTATTTTTCTTTTTTCAAAAAA								10902
Vaquita	---- A- ---- ATCCTATCTTACACCCTCTTCTTTTGGTTGTTG- - - - AGACCCTTACAATCAATATTGTTATATTAAT								9387
Pig	ACA- TGGTTA- GTTTTATTTTATTTATTTATTTTGTCTTTTT- GCCATTTCTTGGGCTGCTCCGTGCGAAACTCCGAC								9361

Majority	AAGTTAAGTTXTXTAX- CTXTACTTTGTTATTTTXXCCTT- TATGTTCTXTAGT- - X- - X- - A- AAT- - CXTTTTTTATX								
	12730	12740	12750	12760	12770	12780	12790	12800	
Human	AATCTCTGTGCAGTT- - CTTTTCTCTGGTACTTTGACCTGTATGTAAACTCTAGT- - - - - T- ACTTTGGTCTTCTCAGG								9674
PolarBear	-----								0
Cow	AGGAGAAGGCAATGGCACTCCACTCCACTACTCTTGCTGG- AAAATCCCATGGA- - CGGAGGAGCCTGGTAGGCTGCAG								10135
Dog	AGATGGCACATAACCAG- CAGTAGGTTGTAAAGAAGGCCCCCTTAAGTGCCAGGG- - TATACAAAAT- - - - TTGTTATT								10320
BelugaWhale	ATGGTTAGTTTTAAAAGTACCACTTTGTTGTTTTGTCTCT- - TATGTTCTTCATT- - C- - - - - - - - - - CTTTTTTTT								9362
Donkey	TACATATGTTATAAATTCTATTCTGCATTATTTTTGTTTGTAAAGCAGCTAATTATCTTTTAAAAGATTTAAATAATA								9355
Cat	AAATTACATAATGTGGTCTGTAGTTCTAGATCTGCCTCATTCTTTGTTATATGGC- - TACACCACAATGTCGTTTCTATG								11965
Ferret	AGATGATACTCAGTA- - TGGTAAAATGTAACTTTTTGGGTGAAATTTTAA- - - - - ATAGTGAAAT- - - - TTGTTACA								10299
Lion	AA- TTACATAATGTGGTCTGTAGTTCTAGATCTGCCTCATTCTTTGTTATATGGC- - TACACCAGATGTAGTTTCTATG								10979
Vaquita	ATGGTTAGTTTTAAAAGTACCACTTTGTTGTTTTGTCTCT- - TATGTTCTTCATT- - C- - - - - - - - - - CTTTTTTTT								9451
Pig	ATGGTTAGTTTTAGAAGTACCACTTTGTTGTTTTTTTTCTG- TTTGTCCCTTATT- - T- - - - - - TCTTTCTTCTTTTT								9431

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Majority	TTCCTGCTXTCTTTTGAATTXAGTXAG-XTTTAAXXAXTXCATTTTAATCTTTXTAGCT--GAGTXGCTTACATATGTX								
	12810	12820	12830	12840	12850	12860	12870	12880	
Human	CTCTTGGCTCTTTCACAATTAAGTAGTCTTTGAGGCTCAGCCTGCTTTCCTCATAGCTATGCTATGGCCTGGACACTCA								9754
PolarBear	-----								0
Cow	CCCATGGGGTCTCTAGAGTCGGACACA- ACTGAGCGACTTCACTTTCA- CTTTTCACTT- - - TCATGCATTGGAGAAGGA								10210
Dog	TTACCATCGCTGTAGGCACTATTCTA- - - TTAGTAACTGCGTATAACCATACATAAC- - - AAGTATCTAGCATACTGT								10392
BelugaWhale	TTCCTGCTTTCTTTTGGATTGAGTAAA- TTTTT- TAATTCATTTTAATCTCTTTAGCT- - - GATTAGCTTATAGCTGTT								9437
Donkey	ACAAAATAAATTCTGCATTACCTGTGACATTGTTAGGTGCATGCATTGAATACTAGGGT- - GCGGAATTCCTGCAGA								9433
Cat	TTGATGACATAGTTTGATTCTAGTTTGCAGTTAAAGAGTATGTGGAAATATTTACAATGG- - AAGTAAAAATCCTATGTC								12043
Ferret	GTTCTCTTACTAAATGAACTAAAGGAAGCCTTTAAGACTGGACAATTAATAAAGAATT- - - TAGTGGTTAAAATAGGTT								10375
Lion	TTGATGACATAGTTTGATTCTAGTTTGTAGTTAAAGAGTATGTGGAAATATTTACAATGG- - AAGTAAAAATCCTGTGTC								11057
Vaquita	TTCCTGCTTTCTTTTGGATTGAGTAAA- TTTTT- TAATTCATTTTAATCTCTTTAGCT- - - GATTAGCTTATAGCTGTT								9526
Pig	TTTCTGCTTTCTTTTGGATTGAGTATG- TTTTAAAA- TCCATTTTAT- CTGGTTAGCT- - - GATTGGCCTACATATA								9505

Majority	TXTTX- AATTT- - TXTTGTGXXXGTXG- - CTGTTATAXG- AATGCAXCXTGGAATTTTXATTTACCTCAGTCT- - - - GX								
	12890	12900	12910	12920	12930	12940	12950	12960	
Human	AGGGAGTATAAGCTGAGGCAAACATGGACTCATTTGTTTTCTAACTTTCAGGGATTATTGTCCATCATTGCCTGATGTCC								9834
PolarBear	-----								0
Cow	AATGGCAACCCACTCCAGTGTTTTTGC- - CTGGAGAATC- CCAGGGTCGGCGGAGTCTGGTGGGCTGCCGTCTA- - - TGG								10284
Dog	TATTCTGCTTT- TTTTTGGAATTGTGA- - GAAATAAACGAGAAGAAGTGGGGAAGAATGAATAAGTT- - CCAA- - - AGG								10464
BelugaWhale	T- - - - - - - - - - TGTTATGTTGATAG- - CTGTTTTAGGATTTATAGCATACATCTTTAATTTATCACAGTCT- - - - -								9496
Donkey	TTTCCGAAGTTCTCTCTGTGCAACTCT- - CTTCTCTGGT- ACTCTGCCGTAGAACTCTAGTTGCTTTGGTCTCCTTGGA								9510
Cat	AAATGAAATTT- ACAGTTTAAAAGTTT- - ATGAAAACCAGAATGCCAAAAGGATTCTTTCCACAACATATGTATG- - - GGA								12117
Ferret	GTTAGCATTTT- CCAAGTTGGATTTCA- - CTAGTATTTTAAAAGCACTGTTGTAAAGTGCTGAACTTAACTGTA- - - TAA								10449
Lion	AAATGAAATTT- ACAGTTAAAAGTTT- - ATGAAAACCAGAATGCCAAAAGGATTCTTTCCACAACATATGTATG- - - GGA								11131
Vaquita	T- - - - - - - - - - TGTTATGTTGATAG- - CTGTTTTAGGATTTATAGCATACATCTTTAATTTATCACAGTCT- - - - -								9585
Pig	T- TT- - - - - - - - TCTCACGTTGGTAG- - CTGTTATAAG- CCTACATC- - - - - - TCTGATTTACCGCAGTCT- - - - -								9558

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Majority	X- TCXC- - - - - TX- - GTAGXATTTA- XXXACTX- - CA- - - - - A- - - - X- C	
	12970 12980 12990 13000 13010 13020 13030 13040	
Human	AGTGTC- TTGAAAAGCAATTATTCTGTATAGTTGCTTGATTGTTTGGTGTGTTTCGGCGAGGCAAATCTGGGTCATGTT	9913
PolarBear	- - - - -	0
Cow	GGTCGCACAG- - - - - AGTCCGACAGGACTGAAGTGACTTAGCAGTAGCAG- TAGCAGTGGCTC	10341
Dog	AATTGGCTTT- - - - -	10474
BelugaWhale	- - TAAC- - - - - TCAAGTAGTATTTATGCTACTTTACA- - - - - TA- - - - TAC	9531
Donkey	CCCTTGGCTTTCTCATCACAGAATGTTTTTGAAGTTCGGTGTGGTTTCCCCTTCTGAGCTGTGTGTCATGGCCTGAAATTTT	9590
Cat	ATGCCTGTTTCTCCACACCCTTATTAATTCTGGGTTTTGAACAATTTAGAGTATCACCTAATTTTAGGCTAAAAAATTGT	12197
Ferret	GTTTTGGTAT- - - - -	10459
Lion	ATGCCTG- - - - - G- - - - -	11139
Vaquita	- - TAAC- - - - - TCAAGTAGTATTTATGCTACTTTACA- - - - - TA- - - - TAC	9620
Pig	- - TCCC- - - - - TCCAGTAGTATTTATGCCACTTTACA- - - - - T- - A- - - - CGC	9593

Majority	TXTXX- - - - GAATATTAGAATAXTTCT- - - - XCXXTTTTG- - XT- XGTAXTATXXTTAT- - - - -	
	13050 13060 13070 13080 13090 13100 13110 13120	
Human	ATTCTGTCTTGACTGGAAGTAGAAGTCCACTGTTTTTTTTTAATTACATAATATGGTCTCAGCAGTTGTAGATCTACCTC	9993
PolarBear	- - - - -	0
Cow	TTTGCCATTAAAGTATTAGAATACTTCT- - - - CCCCTTTTGGCCTGTGTAATTATTGTTATT- - - - -	10398
Dog	- - - - - ACTCTGTGGA- - - - -	10484
BelugaWhale	TATGT- - - - GAATATTAGAATACTTCT- - - - CCCCTTTTGGCCTCTGTAATTATTAT- - - - -	9582
Donkey	TCTCAAAGGAGTAAGCTGGGGCAATCATGGACTCTCATTTGCTTTCTGAGCTTAGTGATCATTGTCCATTGTTGTCTGA	9670
Cat	TTTACAATTTATATTTTGAATGGGTGA- - - - GATTTTGAATTTGACTTTATATATCTTGTCTGTGAAGTGCCTTTT	12273
Ferret	- - - - - AGCTCTTGAA- - - - -	10469
Lion	- - - - - GA- - - - -	11141
Vaquita	TATGT- - - - GAATATTAGAATACTTCT- - - - CCCCTTTTGTCTCTGTAATTATTAT- - - - -	9671
Pig	TTTGT- - - - GAATATTAGAGTACTTCT- - - - CCCTTCTAGTCCAAGTACTGTTGTTAT- - - - -	9644

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Majority	----- T- XXXATTTTACTTCTAXGTXTTATAAATTCTATA- TGCATTCT----- T										
	13130	13140	13150	13160	13170	13180	13190	13200			
Human	ATTCTTTGTTAATGACAATGGAGG- - ATACTCGTGTGGCTGCACCACAGTGTAGTTACTGGA- CATACCACAAT----- T										10065
PolarBear	-----										0
Cow	----- AT- AACATTGTACTTCTACATGTTATAAATTCTATAGCGCATTCT----- T										10443
Dog	----- T- TTATTGTAGTGCTTTGAATTCAGAATACCAA- TGAA----- G										10522
BelugaWhale	----- AACATTTTACTTCTACGTGTTATAAATTCTATAAGGCATTCT----- T										9625
Donkey	TGTCCAGTGGTCTTCAAAGCAATATTTTATATATTTTGTGTGGTTTGTAGTTGTTTCAAGAGGGAATACTGGTCCATCT										9750
Cat	TGTATACCTGACCTATTTTAATGATCATCTTTGTTACACGTCTGTGTAAAATTGATTTCTG- TACACATT----- G										12344
Ferret	----- T- TTATCAACATTGGCTGTTTAGATAGTTGCAA- - TGAA----- G										10506
Lion	----- A----- TCTTTGTTACACTTCTGTGTAAAATTGATTTCTG- TACACATT----- G										11186
Vaquita	----- AACATTTTACTTCTACGTGTTATAAATTCTATACGGCATTCT----- T										9714
Pig	----- GACATTTTACTCCCACATGTTATAAATTCTACACTGCTTTCT----- T										9687

Majority	TAXGTTXXTTTTXTT----- AGXCATTTATCTTTTTAAXTGATTTAXAXAAXAT- - GATAAATAXXXT----- TC- ACXT										
	13210	13220	13230	13240	13250	13260	13270	13280			
Human	TAGTTTCCTACATCGATGGACATTTAGGTTTGATTCCAGTTTGTGTTATAACAT- - - GTGGACATATT----- TAGAAT										10137
PolarBear	-----										0
Cow	TAAGT----- AGCCATTTATCTTTTTAAAAGACTTAAACAACAA- - GAGAAATA----- ACCT										10494
Dog	TATCTTTAAACTGTT----- ATATCTTAATCTCCGTATTTGTGTTCTGTGTGCT- - GCTGTGAAGTAT----- TC- ATAG										10589
BelugaWhale	TTTATTTGTTTAAAC----- AGCCATTTATCTTTTTAAAAGATTTAAACAACAA- - - - - GACAACCT----- TCTACTT										9686
Donkey	TAGATTATCTTGGCTGGAAGTAGAAATCCACCTTTTTTATTTTTTAAAAAATTGCATAGTAAGATCTCTGCAGTTACCGA										9830
Cat	TAGGTACATTTTCTT----- ACAGATTATTACTTTGAATTTCTTCATGTAGTGTTGGACATATAGATT----- TA- TTTG										12413
Ferret	TAA- TGCCAACACTGTT----- ACTTGTTAACAATTGAACATAAGTGATTGTTTAT- - AATAGGTATGTT----- AC- TGAA										10572
Lion	TAGGTACATTTTCTT----- ACAGATTATTACTTTGAATTTCTTCATGTAGTGTTGGACATATAGATT----- TA- TTTG										11255
Vaquita	TTTATTTGTTTAAAC----- AGCCATTTATCTTTTTAAAAGATTTAAACAACAA- - GACAAATAATCT----- TCTACTT										9782
Pig	TGTGTTT----- AAA----- AGCCAGTTATCTTTTTAAAAGATTTAAACAACAA- - GAAAAGTAT- CT----- TCTACAT										9749

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Majority	TATXCTTAACATATTTAXGXATATXCAXTGTATACTTAXGXAGGTTTCTCTGCAGAT-TTXCA--GAXTTCTCTTTGGG	
	13290 13300 13310 13320 13330 13340 13350 13360	
Human	AGAAGTAAAAATGCTGTGTCAAATGAAATTTATACTTAAAGAGTTACTGAAAACCACAATGCCA--GAACACTCATTGT	10215
PolarBear	-----	0
Cow	TCTACTTTACATAGTTATGCACGTGCATTGAATACTCAGGGAGGATTCTCTGCTGACCTTCCA--GAGTTCTCTTTGTG	10571
Dog	CTTTCTTAA--TTTAGTTTTAGA----CATATTGCATTAAGGGCTAATGTGGGTACGTAA--TATTTTTACTTTAG	10657
BelugaWhale	TACCCTTAACATAGTTATGCACATGCATTGGATACTTAGGGAGGATTCTCTGCAGAT-TTCCA--GAGTTCTCTCCGTG	9762
Donkey	TCTCTCTCATTCTTTGTTGTATGAACGAACCACAATGTAGTTCCTACATTGGTGGACATTTTGATTTGATTCCAGTTTGC	9910
Cat	TATTATTAAGGAGTATAGTTTTTT--TATTTGATCTTAAATGTTTTTAGCTTCAGGTCCTTTA--CTTTTTAGATGAGA	12488
Ferret	AACTTTTAT--TCAGGATTT-----TAGATTCTGATGTTTCTTAAATGCTTTATAGA--TATTCATGCTTAGG	10637
Lion	TATTATTAAGGAGTATAGTTTTTTTATTATTTGATCTTAAATGTTTTTAGCTTCAGGTCCTTTA--CTTTTTAGATGAGA	11332
Vaquita	TACCCTTAACATAGTTATGCACATGCATTGGATACTTAGGGAGGATTCTCTGCAGAT-TTCCA--GAGTTCTCTCCGTG	9858
Pig	TCCCCTTAACATAGTTATGCACATACATTGAATACTCAGGGAGGAGTCTCCGAAGAT-TTCCA--GAGTTCTCTCTGTA	9825

Majority	XAGTAATATTTX-GAACTTTXCXATAXAATATGTAGTTACTTTGTT--TXTTGGATT-CATGACT--TXAXTAAATGTXA	
	13370 13380 13390 13400 13410 13420 13430 13440	
Human	TTTTCAAAAGTGTGTATGGGAGTGCCATTTTTTCCATACCCTTGGCAATTCTAGGTTTTATCAAATTTAAGAATACTAG	10295
PolarBear	-----	0
Cow	CAGCTCTCTGTT-GAACTCTGCCAAACAACTTGAGCTGCTTTGAT--CTTGGATT-TTTGACT----TTTAACTGTCA	10642
Dog	AAGTAATA----AAGTGTCAAAAAGCTTACGAAAATAAATTGTT--TTTTGAG-GACAAAAC-----ACAATTTTAA	10723
BelugaWhale	CAGCTGTCTTTG-GAACTCTGCCATACAACTCTAGTTGCTTTGGTCCCCTTGGATT-CTTGCCTCTTTCTTAACTGTCA	9840
Donkey	AAGTAAAAAGTGTGGAAGTATTTAAAATATAAGTAAAAATGCTGTGTCAAATGAATTTTGCAGTTAAAAAGTTTATGAAA	9990
Cat	TTATAATAGTTTTGAAGATTAATGTGATTATGCATAAAAAGTATT--TTTCACAAACCAGGTCC--TCAGTTAATATTA	12564
Ferret	TATTTACATT--AGAATTTCCAGTTGCAGACTTTTTTAGTGTGTC--TACTAAATGACAACATT-----GTTAATTTAA	10707
Lion	TTATAATAGTTTTGAAGATTAATGTGATTATGCATAAAAAGTATT--TTTCACAAACCAGGTCC--TCAGTTAATATTA	11408
Vaquita	CAGCTGTCTTTG-GAACTCTGCCATACAACTCTAGTTGCTTTGGTCCCCTTGGATT-CTTGCCTCTTTCTTAACTGTCA	9936
Pig	CAGCACTCTG--GAACCCTGCCGTACCAGGTCTAGTTGCTTTGGTATCCTTGGATTCTTTGGCTCTTTTTTAGTTCTCA	9902

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Majority	GXXA- - GTTT- TCAAAXGTTAACCTATXTTTCCXTATTTGAGCTGTGCCTTGTCC- - - - - TGGAATTTXTC- - ATTTT	
	13450 13460 13470 13480 13490 13500 13510 13520	
Human	CTTATTTTACACTAAAAATTATTTTGTAAATTTATATTTTGAATGGGTGAGGTTTTTCAGATTTGGTTATTTAT- ATTTT	10374
PolarBear	-----	0
Cow	GGGA- - ATTT- CTGAAGTTCAACCCAG- TTTCCCTATTGGAGCTGGGCCTTGACC- - - - - TGGACTTTTCTC- - AAGCT	10709
Dog	CCCA- - GTTT- GTAAAAGAAAACATATAAAATGATAGTAAAAAAAACCAAATAA- - - - - AAGAATATACA- - ATATC	10791
BelugaWhale	GGGA- - GTTT- TCCAGGTTTCGACCTGG- TTTCCCTATCTGAGCTGTGCCTTGACC- - - - - TGGACTTTTTTCTCAAGTG	9909
Donkey	ACCACAGTGC- CAAAAGGATTCCTCACAAGTGTATATGAGAGTGCCTGTTTTTCCACACCTTTAGAAATTCTGGGTTTTA	10069
Cat	ACTG- - ATTT- GCACTACATATAGAATATCTGAATTTTATAACTTTAGGGTTTGT- - - - - TGAAATTTTCAT- - TTTTC	12632
Ferret	TTTG- - TAAC- TCAAAGGCTGAGGGAATATGTGCTAATTGAGGGTAGAGGTATTC- - - - - AACAAATAGTT- - GTTTT	10775
Lion	ACTG- - ATTT- GCACTACATATAGAATATCTGAATTTTATAACTTTAGGGTTTGT- - - - - TGAAATTTTCAT- - TTTTC	11476
Vaquita	GGGA- - GTTT- TCCAAGTTTCGACCTGG- TTTCCCTATCTGAGCTGTGCCTTGACC- - - - - TGGACTTTTTTCTCAAGTG	10005
Pig	GGGA- - GTTT- TCAAAGTTGACCCA- - TTTCCCTGTCTGAGTTGTCCATGACC- - - - - TGGACTTTTTTCTTAAGTG	9970

Majority	AXTAAXCTXGGACXATCAAXG- CCXX- - - - -XXC- AGXTXGTTTTAT- AXT- XT- - - - - XTCATTGXTCATCATTGTCT	
	13530 13540 13550 13560 13570 13580 13590 13600	
Human	ATTTTCTGTGAACTGCCTGTTTGTGTAAGTGGACCTAGTTAATTCAAATATATATATTTGAATTAAGTGATTTTATTGTTT	10454
PolarBear	-----	0
Cow	AGTAAGCTGGGACAGTCA- - - - - TGGCTTATC- - - - - CCATGGTGCATCGTTGTCA	10755
Dog	AAAAACTTGAAAACAACAAGA- ACAC- - - - - ACCAAATCTG- - - - - T- - - - - CCACAAGCTCGAACATGC	10845
BelugaWhale	AGTAAGCTGGGACGATGATGG- CTTTAC- - - - - CCCATGGTTGTTTTCTGACTCTGGG- - GGATCATTGTTTCATCATTGTCT	9983
Donkey	TAAAAATTTAGACTATTAGGT- AATTTTAGGTTAAAAAAGTTTTATAATTTTGAA- - ATGGATGAGATTTTCAAATTT	10146
Cat	ATTACCCTTATAAATTTGATG- TCGCTA- - - CTC- AGTTGATTTTAGACTT- - - - - CTTTTTGGTTAGCTTAGTGA	12698
Ferret	ATTGCTCCTCTATCATCAATA- GTACCT- - - GTT- AAGTAGTACA- - - - - T- - - - - ACTCAGTAAATAATTAAT	10834
Lion	ATTACCCTTATAAATTTGATG- TAGCTA- - - CTC- AGTTGATTTTAGACTTGT- - - - - CTTTTTGGTTAGCTTAGTGA	11546
Vaquita	AGTAAGCTGGGATGATGATGG- CTTTAC- - - CCCATGGTGGTTTTCTGACTCTGGG- - GGATCATTGTTTCATCATTGTCT	10079
Pig	AGTAAGCTGGGACCATCAC- - - C- - - - - TCGCTTGTGACTCTCAG- - GAATCATTGTCCACCATTGTCT	10030

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Majority	GATGTCCAATGGTCTTGAAAAACATTTTTCTATAAXATTTTXXAAXXTTTTTATTTA- - - TT- X- - - - - TTTCTXAGXT								
	13610	13620	13630	13640	13650	13660	13670	13680	
Human	AAAGTCCATTTGATGTGTAAACATTTTTAGCCTCAGCTTCTTCACCTTTTAAATTAGG- ATTTTAATAGTTCCACAAACT								10533
PolarBear	-----								0
Cow	AGTGTCCAGTGGTCTTGAAAAACAGTGTTGTATAAATTATGTATGACTTTTTTGT- - - - - TTCCTAAGTA								10821
Dog	CCCCCAAAGAAAGGGGAACGTAGATACAAAAGGTTTTTAAACATATAAAGA- - - - - AGCAGACCA								10910
BelugaWhale	GATGTCCAGTGGTCTTGAAAGAACATCGTCTATATATTATGTGTGATTTTCTTTTT- - - TTTTATTTTTTTCTCAGTT								10060
Donkey	GACTTTATATTTCTTTTCTGTGGACTGCCTCTTGTATCCGTGACCTATTTTAAAGGATCTTTATTCTTGTTTATTACGA								10226
Cat	GAGTATAAAAAGAAATTTGTGAGTTTTCTT- AAAGATTTTAAAAAAATTTATTTATTTATTCTGGGTGGGGGCAGAAAG								12777
Ferret	GACTCCTAAAGGTCTCTGGCTTCAGTACTCTTATAATCTTGTAAAGCCACTTATCAA- - - - - TAAAAAGAT								10899
Lion	GAGTATAAAAATAAATTTGTGAGTTTTTTTTAAAGATTTTAAAAAAATTTATTT- - - ATTCTGCGTGGGAGCAGAAAG								11622
Vaquita	GATGTCCAGTGGTCTTGAAAGAACATCATTCTATATATTATGTGTGATTTTCTTTTT- - - TTTTATTATTTTTCTCAGTT								10156
Pig	GATGTCCAGTGGTCTTGAAATCATTGTTCTCTGTGTTTTCTTCTCCTCCCTC- - - - - TCTCTTCTCC								10096

Majority	XGXCAAXTGTTXATTTTATACXCCTTCTTAGT- - TAGXATTAGTAGTTAAXTTTX- - - AAAAXATAATTXAGTXAT								
	13690	13700	13710	13720	13730	13740	13750	13760	
Human	AGGTCTAATGTTAATGTATTTACATTTAGAATATCCAAGTTTTTATGGCTTTAGGATACAAATGAAATCTCATTTTCCAT								10613
PolarBear	-----								0
Cow	GGGCAGATTGGTCCAT- TGTTACACCTTCTTGGC- - TAGAAGTAGAAGTTCACTTA- - - - - AAAATTTTACTTAATATG								10892
Dog	GGACCAAAGTGGTGAATGTGAACGTTAGGAAAGT- - TAGGAAAAGTGGACACGAAGG- - - AAGAACAATTAGG- - -								10980
BelugaWhale	GGGCAAAGTGGCTCATGTTATA- - CCTTCTTGGC- - CAAAATTAGAAGTTCACTTT- - - - - AAAAAAAATTATGTAAT								10130
Donkey	CTCTATAAAAATTGATTTTATATGCATCGTAAGTACTTTTTCTTACAGTTTATTATTCTGATTTTCTTCGTATAGTTTT								10306
Cat	AGAGGGAGAGAGAATTCTTAGCAGGCTCCACACT- - CAGCACAGAGTCTGACAAGGGGCTTAATCTCATGATCAGGAGAT								12855
Ferret	AGACACCAATTTTATTTTACAACCTTCTTCTTT- - TAGCT- - - GAAATATGAAAG- - - AGCTATGTCTTTTAG- - -								10966
Lion	AGAGGGAGAGAGAATTCTTAGCAGGCTCCACATT- - CAGCACAGAGTCTGACAAGGGGCTTAAACTCATGATCAGGAGAT								11700
Vaquita	GGGCAAAGTGGCTGATGTTATATACCTTCTTGGC- - CAAAATTAGAAGTTCACTTTT- - - TAAAAAAATTATGTAAT								10231
Pig	TCCCCACTTCTTGCC- CCAAAGAAGTTCTTTTT- - TTTTTTTTTTTTTTTTTT- - - - - TTAAATT- ACGTATTCTG								10166

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Majority	GACTXTGTAATTATAGATTAATXGT- - AGTCTTTXXXCX- - ATTGATGCACCXCA- XGTAGTTGCTTAACATATGAAGAT								
	13770	13780	13790	13800	13810	13820	13830	13840	
Human	TATTTTATAAATTTGCTGTATTCAGCTTTTCTTGATTTTAGACTTTTTTTTGTAGCTCAGTGAGACTATTAAGAAAGAA								10693
PolarBear	-----								0
Cow	GTCTCTGCAATTATAGTTTT- - - - - GTCTTGTTAC- - - ATTGGTGCCTCACACTGTAGTTGCTTTACACATCACAGT								10961
Dog	TACCAT- TGA- - - AACTAATGAAA- GATTACTAGA- - A- - ATACAGACAAGTTA- - ATCATTGATGAACGGATGCACCT								11048
BelugaWhale	ATTTCTGCAGTAATAGATTTATCTT- - ATTCTTTGTTCT- - GTGGATGCACCACAGTGTAGTTGCTTGACATAACAAAAT								10206
Donkey	GGGCATAAAGATATATTTGAATTGTTAAGTAGTATACTCTTATTTATTTTTGTCTATTTGATACTTAAACGTTTTTTAGTT								10386
Cat	CACGATCTGAGCTGAAATCACAAAGTTGGGTGCTTAACCA- - ACTGAGCCACCCAG- - GTGCCTCAGAAATTTGTGAATTT								12931
Ferret	GACCTTGTGT- - - AGTTGAAGAGATGAGTACCTAA- - C- - ATTTAAGCATGT- - - GCCATATGGCCATGATAGGAGAG								11034
Lion	CACGACCTGAGCTGAAATCACAAAGTTGGGTGCTTAACCA- - ACTGAGCCACCCAG- - GCGCCTCGGAAATTTATGAATTT								11776
Vaquita	ATTTCTGCAGTAATAGATTTATCTT- - ATTCTTTGTTCT- - ATGGATGCACCACAGTGTAGTTGCTTGAAATACCACGAT								10307
Pig	GTCTCTGCAGTTAGAGATATACCTC- - AGTCTTTGTAT- - - GTGGATGCACCACAGTGTAGTTGCTTGACACACAACACT								10241

Majority	TTAGTTTTCACATTG- ATTAACATTTTTXGTTTAATTCCXTTTG- - - - - CAGTTAAAAXT- - - - - TGTAATATATTX- - - AA								
	13850	13860	13870	13880	13890	13900	13910	13920	
Human	TATTTGTGAGTTTGTAATAGGAGATTTGTTGCATTTCTTTAAAATGGCTTTTTATATTCT- - TCGTAATTTGTA- - - - AT								10767
PolarBear	-----								0
Cow	TGAGTTCCACATCG- ACTAATATTTTTGATTTAATTATTTTTG- - - - - CAGTTAACAA- - - - - GTGAGAATATTA- - - AA								11026
Dog	TATATGACGAT- TA- ACTATCATCATTCAAGGGATACCAAATTGC- - TAAGAACGATT- - - - - TGTGAACTATCT- - - CA								11116
BelugaWhale	TTAGATCCACATTG- ATGAACATTTTTGTTTTGATTCCTTTG- - - - - CAGTTAAAAAT- - - - - AGAAGCATACTA- - - AA								10272
Donkey	TCAGTTTCTTCATC- TTTAAAATTGGGATTATAATAGTTTTGAATAAAAAATGTGATTATGCATAAAAAAGTATTTTCCAC								10465
Cat	TTAATGAAGAGATT- TGTTGCATTTCTGTAAAATGGTTTTTTTTGT- - TCTTTGTAATT- - - - - TGTAATTAACTT- - - CA								13000
Ferret	ATTGGTTTGGT- TT- GGTAGGATCTGAGTAGAGTTCACAAA- - - - - AGTAGTGAAT- - - - - TGTGATATATG- - - CA								11096
Lion	TTAATAAAGAGATT- TGTTGCATTTCTGTAAAATGGTTTTTTTTGT- - TCTTTGTAATT- - - - - TGTAATTAACTT- - - CA								11845
Vaquita	TTAGATCCACATTG- ATGAACATTTTTGTTTTGATTCCTTTG- - - - - CAGTTAAAAAT- - - - - AGAAGCATACTA- - - AA								10373
Pig	TTGGTTTTCACATTG- ATGAACATTTTTAGTCTAATTCCCTTTG- - - - - CAGTTAAAAA- - - - - GTGGACATATTA- - - AA								10306

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Majority	AAXAGAAGTATXAATGCTGTGT-CAAATGAXGTT-ACXGTTAAAAAATTTTTAAAAXCCAXTTTGXCAXGAAXTTXTTXA	
	13930 13940 13950 13960 13970 13980 13990 14000	
Human	ATCAGGGGTGTCATTTCTGTACTCTTAACCATTTTTGCCAATGTGAAATCCTTGCAAAGTAATCGGCCTATTACTTGGGAA	10847
PolarBear	-----	0
Cow	AATAAAAGTAAAAATACTGTGT-CAAATTA AATT-ACAGCTAAAGAGTTTATTAAGCCACAATGCCAAGAGGATTCTTA	11104
Dog	CCCTCGACTTTTCGTCCCCTCC-CGGGATGTTGT-GCCGCGGGGAAAATTTCAACATACTGTTGCGCTAGA ACTTTTTTT	11194
BelugaWhale	AATAGAAGTAAAAATGCAGTGT-CAAATGAAATTTACAGTTAAAAAGTTTGTAAAACCACAATACCACAAGTTTCCTTA	10351
Donkey	AAGCTAGGTCCTCAGTTAATGT-TAACTGATTTATGCTACATATAGAATATCCAGATTTTATAGCTTTGGGATATGTTGA	10544
Cat	TGGTTTCATTTCTATACTCTTA-ACCATTTTGCC-ACTGAAATCGCAGTATAATCGGCCTTTTACTGAGCAAACAGAAA	13078
Ferret	GTGTAATAATTTGGGATAGGA-GGTAAGTTGTA-TATGTTGAGGGAATGACATGGCCAAAGTTGTGTTGATGGACTGGC	11174
Lion	TGGTTTCATTTTTATACTCTTA-ACCATTTTGCC-ACTGAAATCGCAGTGTAAATCGGCCTTTTACTGAGGAAAACAGAAA	11923
Vaquita	AATAGAAGTAAAAATGCAGTGT-CAAATGAAATTTACAGTTAAAAAGTTTGTAAAACCACAATGCCACAAGTTTCCTTA	10452
Pig	AATAGAAATAAAAAATGCTGTAC-CAAATGAAGTTTACAGTTAAAAAATTTG- -GAGTTCCTGTTGTGGCGCAGTGGTTAA	10383

Majority	CTXATTTGTTTX- - - - - XTACAGATTAXTGTGGGATTGCAXXTTTTTCGGTACXA- - - TTXTCAATTTTTGGATXTA	
	14010 14020 14030 14040 14050 14060 14070 14080	
Human	GACAGAATTGTATGAAATGACTGTAGAATAATTCAGGATGGTCCCAATACGGTAAAA- - - TGTTAACTTTTTAGATGTA	10924
PolarBear	-----	0
Cow	CTCATTTGTTTT- - - - - CTACAATTGTGTATGGGAGTGCTTGTTTTCTGTACCC- - - TTACCAATTCTGAGTTTTA	11173
Dog	TTTTTTCTTCG- - - - - TTTTTTTTTATGTAA- ATTCTTAAGTTTTCAACTCTA- - - CTTAGAATTTATATATATA	11262
BelugaWhale	CTCATTTGTTTT- - - - - CTACAGTTGTGTATGGGAGTGCTGTTCTTCGACACCC- - - TTACCAATCGTGGGTTTTA	10420
Donkey	CATTTCAATTTTTCATGACCCTTATGAATTGCTGTGGTTATTCAGTTCTCATTGTTTTAGACTACTTTATTTTTGGTTAGC	10624
Cat	TGAATGAAGTGA- - - - - TTGCACAGTAATTCAAGATTATACTCCTTGTGGTAAAA- - - TGTTAACTTTTTGGATGGA	13147
Ferret	GCAAATTCACAA- - - - - ACACAGAATAGCTTCT- GTAGCAATAGGTTGTTTCGTA- - - TAAGGGTTTGTGTATGGA	11242
Lion	TGAATGAAGTGA- - - - - TTGCACAGTAATTCAAGATTATACTCCTTGTGGTAAAA- - - TGTTAACTTTTTGAATGGA	11992
Vaquita	CTCATTTGTTTT- - - - - CTACAGTTGTGTATGGGAGCGCCTGTTCTTCTACACCC- - - TTACCAATCCTGGGTTTTA	10521
Pig	CGAATCCG- - - - - ACTAGGAACCATGAGGTTGCGGGTT- - - - - CGATCCCTGGCCTTG	10431

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Majority	- ATGX- - A- - AXXGT XAAATATGAGCTAGT TTTXATGT XAAATTAA- TXTTAAATGTATXXTT- - - - ATAXGTG- GATTA	
	----- ----- ----- ----- ----- ----- -----	
	14090 14100 14110 14120 14130 14140 14150 14160	
Human	GATTTTAAGTATGGTGAAATTTGTAGCAGTGTTCTTTAGTAAGTTAACTATTAATATATCAAGACCTATAACTG- GACAA	11003
PolarBear	-----	0
Cow	- ATGA- - A- - AATTTAGAATATTAGCTAATTTTAGGGTAAAAAAGCTTTGTAATTTATATTTTGAATAGGTGAGATTT	11248
Dog	GATG- - - - - AATCTAATATATATTTTTTTT- ATATTTTTTTGTTTTTTTTTTTTTTTTTTT- - - - - - - - - - - GTTA	11320
BelugaWhale	- ATAA- - A- - AATTTAGAATACTAGCTAATTT CACGGTAAAAA- - - - AAGTTTTGTAATTTGAAATGGGTGAGATTT	10491
Donkey	TTAGTGAG- - ATGATAAAACAAGAAAGGAAATTGGTGTATTTTAA- TAAGAGGTGTGTTGTGTTTCTTTAGAATGGTTT	10701
Cat	TATTTTAA- - ACAGTGAAATTGGTGCTAGCTCTCATACTAAATTAECTACTAAATGAAGCCTT- - - - TAAAAGTGGACAA	13221
Ferret	TATG- - - - - AGAGAAAAAGAAGATGGCAGT- ATGTTGTAGAAAGCCTCAAGTGCAG- - - - - - - - - - - GTTA	11296
Lion	TATTTTAA- - ACCGTGAAATTGGTGCTAGCTCTCATACTAAATTAECTACTAAATGAAGCCTT- - - - TAAAAGTGGACAA	12066
Vaquita	- ATAA- - A- - AATTTAGAATACTAGCTAATTT CACGGTAAAGAAAA- - - - AAGTTTTGTAATTTGAAATGGGTGAGATTT	10592
Pig	- CTC A- - G- - TGGGTTAAGGAT- - - CCGGCGTTGCCGTGAG- - - - - CTGTGGTGTAGGTT- - - - GCAGACGCGGCTC	10491

Majority	TXAAATTTTT- - - - ATTTXTTATTTXXATGAATTXXCTTTTTGXATATXGGA- - - - TCTAXTTCXAAXATTAT- - - CXX	
	----- ----- ----- ----- ----- ----- -----	
	14170 14180 14190 14200 14210 14220 14230 14240	
Human	CTAATAAATAACCTGTTTCTTAAAATGTTAGCTTTTTCTAAATATTCTGAAA- - - G TACTGGTTGTA AATTGCTGAACTC	11080
PolarBear	-----	0
Cow	TAAAAGTTTG- - - - GCTTTCTGTTTCTGTGAACTGCCTCTTTGAATATGGGA- - - - TCTATTTTAATGATTAT- - - CAT	11316
Dog	TTATGTTTTT- - - - TTGT- - - - TTTTTTTTTTTTTTTTTTTTTTTT	11391
BelugaWhale	TCAAAATTTG- - - - ACTTTCTATTTCTGTGAACTGCCTCTTTGTATATGTGA- - - - TCTATTTCAATGATTAT- - - CTT	10559
Donkey	CTATGTTCTTTGTAATTTGTAATTTCAAGGGCTTTATTTCTCTACTCTTAACCATTTCCCACTGCGAAATCTTTGCGGCA	10781
Cat	TAGAGGACAT- - - - ATTTGTTAAAATAAGTTATTAGCATTTTCCATGTTGGA- - - - TCTCACTGGTATTTAGAAAGCAC	13292
Ferret	TGAAATTTGT- - - - ACTTCATCTGGT AAGCACTACTCTGTATACCTTTAAGT- - - - TCCCATTCATAAAAAGTAGCTCAC	11367
Lion	TAGAGGACAT- - - - ATTTGTTAAAATAAGTTATTAGCATTTTCCATGTTGGA- - - - TCTCACTGGTATATAGAAAGCAC	12137
Vaquita	TCAAAATTTG- - - - ACTTTCTATTTCTGTGAACTGCCTCTTTGTATATGTGA- - - - TCTATTTCAATGATTAT- - - CTT	10660
Pig	- - GGATCCCG- - - - CTTTGCTGTGGCCCTGGCGTAGGCCAGTGGCTACAGC- - - - - TCCGATTTGACCCCTA- - - - -	10552

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Majority	TTTTGTTAXATTTCTATATAAAAATAAA- - - - - TTAGATTCAAATXCATXAXAGATAGTTTTTTCATAXAATTAA- -							
	14250	14260	14270	14280	14290	14300	14310	14320
Human	ACAATTTAAATTATGATATGACTATTGA- - - - - ATTCATCCTCATTGGCTTGCATAGAAAATTACAATCAAATAATG 11152							
PolarBear	----- 0							
Cow	GTTTGTCC- AACTCTATATATAAAGATA- - - - - ATTGATTCATATGCATTATAGGTAAGTACTTTTTCTACAGTTTT- - 11384							
Dog	TTTTTTTTTTTTTTTTGTGAGAATTAA- - - - - TAACCATCATGT- - AGTGGGAGAGTGAGACAGG- AAGAAA- - 11457							
BelugaWhale	GTTTGTTACAACCTCTATATAAAAAGAAA- - - - - ATTGATTCATATACATCATAGGTAAGTACTTTTTCTTACAGTTT- - - 10627							
Donkey	TAATGCAGCAATTCCTTGGAAAGACAGAAAAGTATGCAGTGGTCGCAGAATAATACAAGATGGTACTCGATATGGTAAAAC 10861							
Cat	TGTTTGTAAATTGCTGAACCTAACTGTT- - - - - TGAGATGTGAATTCACCAACATGGGCTTTTTAGATAATTGC- - 13361							
Ferret	TATTATGCTGTTTTTGGAAATTTGGAGAA- - - - - TGAACCTCTGAAG- - ATTGGTTTTGGTATTACATG- GAATGC- - 11433							
Lion	TGTTTGTAAATTGCTGAACCTAAC- - - - - TGAGATGTGAATTCACCAACGTGGGCTTTTTAGATAATTGC- - 12202							
Vaquita	GTTTGTTACAACCTCTATATAAAAAGAAA- - - - - ATTGTTTCATATACATCATAGGTAAGTACTTTTTCTTACAGTTT- - - 10728							
Pig	GCCTGGGA- ACCTCCATATGCCGCTGGA- - - - - GT- GGCCCAAAGAAATAGCAAAAAGACAAATAAATAAATAA- - 10619							

Majority	ATTAATTTAATGX- - - - - TGATXGAATTTAAXTG- TXXTTXXTAGTAGGTTTGTTA- - - - XAAAXT							
	14330	14340	14350	14360	14370	14380	14390	14400
Human	CTAAATGTAACCTTTTTTG- - - - - GTAATAGTTGTGTGTAACCTGGTTGTTTATTATAGATGTGTTA- - - - TTCAAA 11218							
PolarBear	----- 0							
Cow	ATTACTTTTTGATACA- - - - - GTTTTGGGCATTTAGATGTTGTTGCCACCAGGCTCGCTGG- TCCATGGG 11450							
Dog	TCTAAGTTAGAACG- - - - - TACCCCAAACAAAAGAATGAGTCGGTGGAGGCACATCT- - - CACAAAT 11516							
BelugaWhale	ATTACTTT- - - - - TTTACCT- - - - - C- - - - ATACA 10648							
Donkey	GTAACTTTTTGGATGCCTATTTTAAGTATGGTGAATTTGTGGCAGTACTGTTTTTAGTAAGTTAACTAA- ATGAAGCC 10940							
Cat	AATGAAATAATGCTAGATGTTACTTTTTGTAACGATTGAATATAACTGGTTGTTTATAGTAAGTATGTTATTAATAAACTT 13441							
Ferret	TATGAATTAGAATAA- - - - - TGAGTCTTTGTAATGTTAATATTTTATAGTCTCTTATTT- - - GGTCGAT 11493							
Lion	AATGAAATAATGC- - - - - GATCGAATAATAACTGGTTGTTTATAATAAGTGTGTTA- - - AAAACTT 12259							
Vaquita	ATTACTTT- - - - - TTTACCT- - - - - C- - - - ATACA 10749							
Pig	ATAAAGTTAAAAAAA- - - - - ATTTGTGAAACCTACAA- - - - TGCCGAAAGGATTCTT- - - ACTAATTT 10677							

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Majority	GTTTTXGXXTXTXAGTATTGGAGTTXTT--TTTT-----								
	14410	14420	14430	14440	14450	14460	14470	14480	
Human	ACTTTGGGTTTTTAGGTTTTGACTTTTCTTAAAATACTTTTCTTAAATGCTACTTAATGCTTCTCTAGGGTATTTTTAT								11298
PolarBear	-----								0
Cow	GTTCTCCAGGCAAGAATACTGGAGTGGGTAGTCATTCTCTTCTCTGGGGGATTCTCCCAAC-----								11511
Dog	GTGTTTAAACGTCATAACCCTTAGGTTGTTTGGCTG-----								11551
BelugaWhale	GTTTT-----GGGCATCTAGGTGTG-----								10668
Donkey	CTTATAACTGGACAGTTAATAAAGGACCTGTTTGTTAACATAAGTTGTTGGCTTTTCCAAGTTGGATTTTACTGGTATTT								11020
Cat	CTGTTTGGGCTTTTLAGAGTGTGATTTTTCTTTTTTTTTTTTTTAAATTTTTTCTTCAACGTTTTTATTTTTATTTTTG								13521
Ferret	TTGTATTGCTAAATTGTAATAGCTTTCTTAGTTTT-----								11528
Lion	CTGTTTGGACTTTTLAGAGTGTGATTTTTTCTT-----TT-----A-----								12291
Vaquita	GTTTT-----GGGCATCTAGGTGTG-----								10769
Pig	GTTTTCTACAACGTGTATGGGAGTGCTTATTTTTCTTCCCT-----T--A-----								10722

Majority	-----								
	14490	14500	14510	14520	14530	14540	14550	14560	
Human	TAGAATTTCAATTAACAGATATTTTGATGTCTGCGAAATGACAGTACTATGTTAGAAATTGATGTATTGGCTCC--TT--								11374
PolarBear	-----								0
Cow	-----								11511
Dog	-----								11551
BelugaWhale	-----								10668
Donkey	TGAAAGCACTGTTTGTAAAGTTGCTGAATGCACAGTTTLAGTTGTGTTGTGGTTATTGAATTCACCATCATTGGCTTTCTT								11100
Cat	GGACAGAGAGAGACAGAGCATGAACGGGCGAGGGGCGAGAGAGAGGGAGACACAGAATCGGAAACAGGCTCCAGGCTCT								13601
Ferret	-----								11528
Lion	-----								12291
Vaquita	-----								10769
Pig	-----								10722

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Majority	14570	14580	14590	14600	14610	14620	14630	14640	
Human	GAGGGCAGTGACCCTATTTGTTATGTTTGTTCTCAATCATTAAAGTACACATATTAATAGTAC								11440
PolarBear	-----								0
Cow	-----								11511
Dog	-----								11551
BelugaWhale	-----								10668
Donkey	AGATAATTGCAGTGAAATAATGCTGAACATTACTTTTTTGTAAAGCTGAACATAACCGGTTGTTTATAATAGGTATGC								11180
Cat	GAGCCATCAGCCCAGAGCCTGACGCAGGGCTCGAACTCACGGACCGCGAGATCGTGACCTGGCTGAAGTCGGACGCTTAA								13681
Ferret	-----								11528
Lion	-----								12291
Vaquita	-----								10769
Pig	-----								10722

Majority	14650	14660	14670	14680	14690	14700	14710	14720	
Human	AAATGCAAXATATTCATGCTTAXXTGAGX- - AXX- XAAXT-								
Human	ATATACACTTAATATTTAATAACTCTTAGAAGTGT CATAGGCTTTAATATGCTCATACTCTAATGAGCCATTTATCAATA								11520
PolarBear	-----								0
Cow	CCAGGAATCGAACCTGTGTCTCCTGCATTGCAGGAAGATTCTTTACCATCTGAGCCACCAGGGAAGC								11578
Dog	AAATTCAAGAGCCTAATGCTTTAACTGACTGAGACCACCAG								11592
BelugaWhale	----- T - - TTGAA- -----								10674
Donkey	TATTAAAAGCTTTGGGTTTTAGGTTTTGATTTTTCTTAAAATGCTACATATCCTTGTTAGGATATTTATATAAGAATTT								11260
Cat	CCGACTGAGCCACCCAGGCGCCCGTGTGATTTTTCTTAAAATGCTACATATTCATGCTTAGGTGTTTATATTTGAATTG								13761
Ferret	----- AGATGTA CTGTAGTAGGGTTAACTTGGCTAAGTAATATTT								11569
Lion	----- AAATGCTACATATGCATGCTTAGGTGTTTATATTTGAATTG								12332
Vaquita	----- T - - TTGAA- -----								10775
Pig	----- ACCAATTCTGGGTTTTATAAATACTTAGAATATTTGCTA- - ATTTTAG- - - - - G- - G-								10770

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Majority	TACTCXGTXAATXTTAAACAATTTXTAXTAGATATA- - GCATXAATATTCTTTTTATC- X- XX- XXTA- - TTTXTAXXT-	
	14890 14900 14910 14920 14930 14940 14950 14960	
Human	AGAAAGAGTGGAGAGCAACAGGCGTTGAGAGAAGGACGTAACCAAAGTTGTGTCTATAGGTTGGCATAAATTTACAGCCA	11757
PolarBear	-----	0
Cow	TCCTTTATTAATGTTAACCAATTTATACTACATATA- - GAATATCCAGTTTTTGTAGCTC- TGGGCTA- - TGTTGAAATC	11808
Dog	TAAGAGGATAAAAAGGAACCAATTGTGGGTAAAAAT- - - TGTAATTGTTCCATAACATC- C- TAGAATT- - TTTTTTTGC-	11817
BelugaWhale	TCCTTTGTTAATGTTAACCAATTTATACTACATAAA- - GAACAAACAATTTTTATA- - - - - - - - - - - - - - - - - -	10862
Donkey	TACTCAGTAAATATTTAATGGTTCTTTAAGAGTCTCTGGCTTCAATACACTCATAATCTCATGAGCCA- - TTTACCAGTA	11492
Cat	TACACACTAAATATTTAATAACTCCTAATGGGTCTG- - GCTTCAGTATGCTTTTTCATC- T- CAAGCCA- - CTTATCAGTG	13989
Ferret	TCATCAATAAACCATTGGTAAAATTTGT- - GATAT- - - CCACTCTACTCTTCTCGTC- C- CGTAGTA- - TTTTGAGAC-	11787
Lion	TACACACTAAATATTTAATAACTCCTAATGGGTCTG- - GCTTCAGTATGCTTATCATC- T- CAAGCCA- - CTTATCAGTG	12560
Vaquita	TCCTTTGTTAATGTTAACCAATTTATACTACATAAA- - GAACAAACAATTTTTATA- - - - - - - - - - - - - - - - - -	10964
Pig	AACTGTGTAAAA- - - AGAAAATTGATGC- ATATGCA- - TCATAGGTACTTTTTCTTA- - - - - - - - - - - TA- - T- TTTA- - TT	10950

Majority	- - AAXTTXTA- - - - - CATXXXTTTTTTTTTTCATXACATTCATCTTXXTTTA- TGAAGAXCCAAAAXAGXT- TGAXTTCTAGG	
	14970 14980 14990 15000 15010 15020 15030 15040	
Human	TTGATCAGTGAGTTGAATAGTTTGGCCTTTATGGCTAACAGCTTGTATATGGATATGAGAGAAAAGATAGAATGGCAGAT	11837
PolarBear	-----	0
Cow	TCATTTTTTCATTATCCATATGAATGTTTTCATTAATTTTCAGTTCAGTTAGTTCAGTACCTCAGTTGTGTTCAACTCTTTG	11888
Dog	- - AGTTTT- - - - - TTTTTTTTTTTTTGTGGAAGGGGGAGATCAGGATCAAATAAGCAGTGACACATTTGCAATATGAATG	11890
BelugaWhale	-----	10862
Donkey	AAAAGATAAA- - - - - CACCAGTTTTATTGTACCACATTCTCCCTTTTTGCTGGAGATCCAAAAGAGTTATGTCTTCTAGG	11567
Cat	- - AAAAGATAA- - - ACATCAATTTTATTTTCATAACATTCTTCCCTTTTTGCTGGAGATCCAAAAGAGCTGTGTCTTCTAGG	14064
Ferret	- - AAGTTGCAA- - - TTAAGTATTTTTCATTATTACTGTTATTTTTTTTTTTAAAGAGAGAGAGTACTTCAGCAGGTGGGG	11862
Lion	- - AAAAGATAA- - - ACATCAATTTTATTTTCATAACATTCTTCCATTTGCTGGAGATCCAAAAGAGCTGTGTCTTCTAGG	12635
Vaquita	-----	10964
Pig	- - ACTTTTTTAC- - TCCATAGAGTTTTGGGCATTAGATGTATTTGAACTA- TTAAGTAGTATAATT- - - - - TCATTTTTTTTG	11021

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Majority	AG- T- - XXX- G- TXA- XAX- - - A- X- XXX- - - TXAAGXXXGTXCXTXAXXCTX- - - - - GGA- - - TA- TXTGXTTTGGTX	
	15050 15060 15070 15080 15090 15100 15110 15120	
Human	AGGTTATATAGAAGACCTCAATTACAGGTAGTGAAATTTGTA CTACTTCAT- CTGGTAGGCATTATTCTATATACCTGTAATT	11916
PolarBear	-----	0
Cow	TGACCCCCACGGACTGCAGCACATCAGGCCTCCCTGTCCATCACCAACTCCT- - - - - GGAGTTTACTCAAACCTCATGT	11961
Dog	AGATGCCTGTGGTAGGTCTTTTAAATATG- - TTAAGTCCGTTCACTTGGCTG- - - - - GGGCTTGCTTCTCATCTGTTC	11961
BelugaWhale	-----	10862
Donkey	ACCTTGTCTAGTTGAAGAG- - - ATAGAAGGTTTAAAGCAAGTTCACATGGCTACAGTAGGAGA- - - AATTTGGGTTGGTA	11641
Cat	ACCTCATCTGGTTAAAGAGATAACACAAGGTTTAAAGCAAGTGCCTATGGCTGTTATAAAAAGAGATTAGTCTGGTTTGGTA	14144
Ferret	AGGGGCATAGGATAAGGAAGGGGAGAGAA- - AGAATCTTAAGCATGGAGCCT- - - - - GACATGGGACTTGATTTTCATG	11933
Lion	ACCTCATCTGGTTAAAGAGATAACACAAGGTTTAAAGCAAGTGCCTATGACTGTTATAAAAAGA- - TTAGTCTGGTTTGGTA	12713
Vaquita	-----	10964
Pig	GG- - - - - GTCTATT- - TGATACTT- - - - - GAA- - - TGCTTATCTTTAGTT	11056

Majority	G- - CAXAGTAGAX- TAACG- AA- X- - TX- - TTTTGAXXT- T- X- TT- - XXXXTX- - TG- - - AXAX- AX- TGAXTCCXAX	
	15130 15140 15150 15160 15170 15180 15190 15200	
Human	T- - TCCACATAAAAGTAGCTCATTACTCTGCTTTCTTTCTTTCTTTTTTTTTTTTTTTTGGCTATAGCAAATTTATTGTAAC	11994
PolarBear	-----	0
Cow	C- - - CATTGAGTCGGTGATGCCATCCAACCATCTCATCTTCTGCCGA- GCCCTTCTCCTCCCACCTTCAATCTTTCCCAG	12037
Dog	G- - - CGTAGTAGCATCAGCAGACAT- - TTGTTTTTGAAGAAAACGT- GTTGGTACCTGATACTAGAGACTGTCCCCCC	12035
BelugaWhale	-----	10862
Donkey	GCATCAGAGTAGATTTT CATGAAATTAGTGGGTTGTGACCTGTGCTTTTGTAAATAGGTTGGGAGAGGAGATGAATACTAT	11721
Cat	GGATCAGAGTAGACCTCACGAAAGTAGTGAGTTGTGACCTGTACATT- AAAAATAGTTGGGGAGAGGAGGTGAGTAGTGT	14223
Ferret	A- - - CCCTGAGATCATAACCTGAAC- - TGAAATCAAGAGTCAGATTC- TTAAATGACTGA- - - - - GCCACCCAG	11996
Lion	GGATCAGAGTAGACCTCACGAAAGTAGTGAGTTGTGACCTATACATT- AAAAATAGTTGGGGAGAGGAGGTGAGTAGTGT	12792
Vaquita	-----	10964
Pig	T- - - CATTGAGAGTATAGTA- - - - - A- - - TTTTAA- - - - - AGATTAATGTGACTGTG	11098

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Majority AXX- - GAGGGATTGCCXTXGCCXXAGXTGTGTT- - - - X- - - - - - - - - - - XGCTX- CAXAATATTAGXAGCATTGX
            15210      15220      15230      15240      15250      15260      15270      15280
Human AACACAAAGTATTATCTTATAGTTTTGTAGGTGAGAAATCTGACACAGGTGGGCTAAAATCAAGGTGTTAGCAGGGCTGT 12074
PolarBear ----- 0
Cow CATCAGGGTCTTTTCAAATGAGTCAGCTCTTCTCATCA- - - - - - - - - - - GGTGGCCAAAGTATTGGGAGTTTCAC 12101
Dog CCCCCCGGACCGCCCCCCCCCCCCCCACCACCCG- - - - C- - - - - - - - - - - CGCCCCCTCGTTCTCGTGTCTATTGC 12095
BelugaWhale ----- G- - - - - - - - - - - CTTT- - 10867
Donkey ATGTTGAGGGAATGACGTGGCCAAAGTTGTGTTGATAGC- TGGCACCAGTTTCACAGCCATTGAAACAGTAAGCTGAATAA 11800
Cat ATGTTGAGGGAATGACATGGCCAGAGTTGTGTTGAT- G- - - - - - - - - - - GGCTGGCACAAATTGAGAACCACTGA 14286
Ferret GCACCCCTGTATTACTTTATTTGTAATGTTTT- - - - G- - - - - - - - - - - GTGTGTCTCTAAAAGGAAAGGACTCT 12056
Lion ATGGTGAAGGAATGACATGGCCAGAGTTGTGATAAT- G- - - - - - - - - - - GGCTGGCACAAATTGAGAACCACTGA 12855
Vaquita ----- G- - - - - - - - - - - CTTTT- 10970
Pig CAT- - GAAATATTTCCCATGAACTAAGTCTTCT- - - - - - - - - - - ATT- - - - AGTATTAAGTATTAT 11149
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Majority ATAGXGTXT- X- TC- X- - - - - XTGTATTXGTXTTXXA- - - - AAXATTXXX- XXGGGTTXTTXGAAATCTCXXG- - - AXX
            15290      15300      15310      15320      15330      15340      15350      15360
Human GTTCCTTTTTCAGGATCTGGGGGAATTTGTTTCCT- - - - TGACATAACTCGGCTGTTAGCTTCATCTTCAAAGAAGGA 12150
PolarBear ----- 0
Cow CTTCAGCATCAGTCCTTCCAATGAGTATTCAGGCCTGA- - - TTTCTTTAGGATGGACTGGTTGAATCTCCTTGCA- GTC 12177
Dog AAG- - - TGTGTTTCTG- - - - - ATGTTGTCATATTTAA- - - - AAAATTGTCCAGGTGTCATTGCTCATGTTGGG- - - AGT 12159
BelugaWhale - - AGGGTAT- - - - - - - - - - - - - - - - - G- - - - - TTGAAATCTC- - - - - AT- 10887
Donkey TTTGGCTTTTATGGTGTATGGTTTGTATATGTGTATATAGGAAAGGATGCAGGTAGATTGTAGGAGGGCTCAAGTACAGG 11880
Cat ATAGCTTTTGTGTCAG- - - - ATTTGTATATGAATTTGAGAGAAAGATGGCACATAGGTTGTAGAAGGTCTCAAGTGCAGG 14362
Ferret C- - - - TCTTTCTCTC- - - - - CTGTTTCTTTTTTAA- - - - AAAAATAAATCACAATACTGTTAATTCCTTG- - - ATG 12118
Lion ATAGCTTTTGTGTCAGTA- GATTTGTATATGAATTTGAGAGAAAGATGGCATATAGGTTGTAGAAGGTCTCAAGTGCAGG 12934
Vaquita - - AGGGTAT- - - - - - - - - - - - - - - - - G- - - - - TTGAAATCTC- - - - - AT- 10990
Pig ATACTGTAT- - - - - - - - - - - ATAAAATATTCAATTTTAA- - - TAGCTTT- - - - - GGGTAATTGAAATTTTC- - - - - AT- 11203
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Majority	XTAXXAAXT- TX- X- TTXXTTCTTTAGXCTCATTCTGTAAAGAATT- - - AGTTCCTCTGTATXCA- - - - TGCTTXTAGT	
	----- ----- ----- ----- ----- ----- -----	
	15370 15380 15390 15400 15410 15420 15430 15440	
Human	ATGGCAA- - GAAGACTCTGTCTCACATCACATCACTCCGACACATTCT- TGTGCCTCCGTTTCC- - - - CACTTACAGG	12222
PolarBear	-----	0
Cow	CAAGGGACTCTCAAGAGTCTTCTCCAACACCACAGTTCAAAGTATA- - - AATTCTTTGGCACTTAGCCTTCTTTATAGA	12254
Dog	CTAGCGACTATCCTATTCGTTCTTTGTGTGTTGTTTTGTAATAGTT- TAAGTGGTAG- GTCT- - - - - - - - - GTTTTGT	12229
BelugaWhale	----- TT- - - - - - - - - TTCATTATCCTTATAAATGTGCTGTAG- - - ACTTACTCAGTTCCCAA- - - TGATTTTAGA	10943
Donkey	TTATGAAATTTGTGCTTCATCTGGTGGGCGCTATTCTATAAACCTGT- AAATCTCCATGTATAAG- - - TAGCTCATGTT	11955
Cat	TTATCAAATCTGTACTTCATCTGGTAGGCACTATTCTGTAAATACTGGTAAGTTCCCATACATAAAAAGTAGCTCATTAT	14442
Ferret	TTATCAAGTGCCAATTCTATGTTAAAATTTTACTTGACTCATGAAAG- TCAGTGTTTTTGCAG- - - - - - - - - GTTTTTTTT	12189
Lion	TTATGAAATCTGTACTTGATCTGGTAGGCACTATTCTGTAAATACTGGTAAGTTCCCATACATAAAAAGTAGCTCATTAT	13014
Vaquita	----- TT- - - - - - - - - TTCATTATCCTTATAAATGTGCTGTAG- - - ACTTACTCAGTTCTCAA- - - TGATTTTAGA	11046
Pig	----- TT- - - - - - - - - TTCATTAGCCTCATAAAT- - - ATGCTGT- - - AGTACTCGGTTCTCA- - - TTGATTTTAGA	11257

Majority	TTCCTTTTTATTAGGATAGGTGATXGACTCTAAAAXGAXAAAGGT- - - - AATXTGTGGATTTTTAXTATTXAGATTGT	
	----- ----- ----- ----- ----- ----- -----	
	15450 15460 15470 15480 15490 15500 15510 15520	
Human	GACCTTGTGATTACAATGGGCCCAACTACATAAATAGAGGATAAATGTT- - TAAATTACAAATTAATGAAGTGGCAACTGA	12300
PolarBear	-----	0
Cow	CCCCTTTTTATTTGGTTAGGTCAGTGAGACTGTGAAACA- GAAAGGA- - - - AATTGGTAGATTTT- AATACAAAGTTTGT	12328
Dog	TTGTTTTGTTCCACGCTAGAAAGACCTTGCTGTTTGATTGTGTGTGT- - - - - GTATTTTGGTTAATTTTTGTGGAATTGT	12304
BelugaWhale	CTCCTTTGATTTGGTCAGGTCAGTGAGACTGTAAAACAAGAAAGGA- - - - AATTTGTGAATTTTTAATATGAAGTTTGT	11019
Donkey	TCTGCTGCTTTAGAATATGGAGACTGAGTTCCAAAAAGATTGGGTTTTGGGACTACGCAGAACACTATGAATTAGAAGCA	12035
Cat	TATCCTCTTGTTAGAATTTGGAGAATTAACCTCCAAGAAGACTGGCTTTGGTATTACGTGGGGTCTATAAATTAGAATCA	14522
Ferret	TTTTTTTTTAGTGGGAGGGGAAGATCAGGATCAAGTAAGATGAACACATTCAGTATATCGATATGCCTGTTTTATTTCTT	12269
Lion	TATCCTCTTGTTAGAATTTGGAGAATTAACCTCCAAAAAAGACTGGCTTTGGTATTACGTGGGGTCTATAAATTAGAATCA	13094
Vaquita	CTCCTTTGATTTGGTCAGGTCAGTGAGACT- - AAAACAAGAAAGGA- - - - AATTTGTGAATTTTTAATATGAAGTTTGT	11120
Pig	GTCCTTTCTATTTGGTTAGGTCCTAAGACTATCAAACAAGAAAGGA- - - - CATTTGAGAATTTTTAATATGAAGATTGT	11333

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Majority	TGCATTTCTTX- AAXTXATTTTTTTTAXATXXTTGTGTXATTTGTTTXXXTT- XCAGAGTTTTA- ATTTCTGTACTTTTAAAC	
	15530 15540 15550 15560 15570 15580 15590 15600	
Human	AACAAGTTTT - - AACCTATTCTCAAGAAAGGGCTTTGCTGGAATGGTGGC- TCACACCTGTA- ATCCCAGAACTTAGGGA	12376
PolarBear	-----	0
Cow	TGCATTTCTTAAAAAAATTTTTTTTAAATTCTTTGTAATTTGTT- - - - - TCAGAGGTTT- - ATTTCTATACTTTTAAAC	12399
Dog	GTGGTATGTT- - ATGTCTCAATGAG- - - - CGCGCTTGTCACTTCTTTTCCATTGTTTTGTGCTTCAGCATAGCCGG-	12377
BelugaWhale	TGCATTTGTTTAAAATG- TTTTTTATGTTCTTTGTAATTTGTT- - - - - TCAGAGGTTTC- ATTTCTGTACTCTTAAAC	11090
Donkey	TGAGTTTCTAT- AATTAACTTTTTAA- A- - TCTCTTATTTTCGTCTCGGTTGCTAAACTGTAATAGCTTTCTTAATTTAGT	12111
Cat	TGAGTCTCTA- - AATTTAAAATTTAAACTCTTATGTGGTCTCTTTGTGTTGCTAAAGTGAATATTTAGTTTTGGACATA	14600
Ferret	TTAATCTGCA- - AGTTCTCCTTTCA- - - - CTCCTGTGGGTTTTTTGGTTTTCTTTGTTTTACATTGCATTTTATTTT- -	12341
Lion	TGAATCTCTATAAATTTAAAATATAAACTCTTATGTGGTCTATTTGTGTTGCTAAAGTGAATATTTAGTTTTGGACATA	13174
Vaquita	TGCATTTGTTTAAAATG- TTTTTTATGTTCTTTGTAATTTGTT- - - - - TCAGAGGTTTC- ATTTCTGTACTCTTAAAC	11191
Pig	TGCATTTCTTAAAATGGTTTTTTTATACTCTTTGTAATTTGTTACTAATTTTCAGAGGTTTC- ATGTATGTACTCTTAAAC	11412

Majority	CXTTTTGACAGXTGAAATTCCTTGCAAGAATTATT- - - - GGT CXAAATAGTTAG- - - TTTTTTXGAAGTTAAATTTCACAA	
	15610 15620 15630 15640 15650 15660 15670 15680	
Human	GGCTGAGGCAGGCAGATCACTTGAGCCCAGGAGTTTGAGACCAGCCTGGTCTT- - - CATAGCAAGACCCCATCTCTACAA	12453
PolarBear	-----	0
Cow	CATTTTGCC- - TCTGAAATTCCTTGCAAGAATAATG- - - - GGCCCAAATAGTTAG- - - CTTTTTTGGGTTAAATTTCACTA	12470
Dog	- - CTTGGTAAACACTGTCGTTCAACAGTGTCTTAAACAGATCTATAAAAGAAGGTGTATCTTAAAGGTTGCACTTAAAAG	12455
BelugaWhale	CATTTTTGC- CTTTGAATTCCTTGCAAGAATAATG- - - - GGCCCAAGTAGTTAG- - - CTTTTTTCAAGTTAAATTTCACTA	11162
Donkey	- - TTTAGACATATTGCATTAGGAGCTAAGGTGGTT- - - AAGTAATATTTTAC- - - TTTAGAAGTAATAAAGTATCACAG	12183
Cat	CTGCATTAGGGCCTTAAGGTGGTTAAGTAATATTTTTACTTTAGAAGTGGTAAAAGTATCACAGAACTTATCATGAAAG	14680
Ferret	- - CGAAGAAAACCTTGTGGTCCCACAGAGTTGCC- - CCAGTCTGCAACTACTGATTGTGTTCTGATGTTGTAATTTAAAA	12417
Lion	CTGCATTAGGGGCTTAAGGTGGTTAAGTAATATTTTTACTTTAGAAGTGGTAAAGGTATCACAGAACTTATCATGAAAG	13254
Vaquita	CATTTTTGC- CTTTGAATTCCTTGCAAGAATAATG- - - - GGTCCAAGTAGTTAG- - - CTTTTTTCAAGTTAAATTTCACTA	11263
Pig	CATTTTGCCATTGTGAAATTCCTTGCAAAATAATA- - - - GGCCCAAGTAGTTAGTTTTTTTTTTAAGTTAAATTTCACTA	11488

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Majority	XAATTTTTAAAACACAGGT- XATTAA- TGTTGAATGTA- - - - - GTTTAAAXTTXTGATATGGCTATTTTATTCATAXTT								
	15690	15700	15710	15720	15730	15740	15750	15760	
Human	AAACTTTTTAAAATTAGATAGATCTG- - GTGGCATGGGCCTGTAGTCCCAGCTACTTGGGAGGCTGAGACAAGAGGATCA								12531
PolarBear	-----								0
Cow	GAATTTTCAAAGCACCAGT- TGTAACCTGTTGAATGCAAAGACAGTTT- AAGTTGTAATATGGGTACTTTATTCAGCATC								12548
Dog	TTGCATAATGAAACCCGT- - ATAAATGTTAAATGTA- - - - - ACTTGAAAATTTTTGATGGTGGGACAAGGAATGGTT								12527
BelugaWhale	GAATTTTCAAAGCACTGGT- TGTAATTGCTGAATGCA- - - - CAGTTTTAAGTTGTGATATGACTATTTTATTCATCATC								11237
Donkey	AAAGTTATGAAAGACATGTGTTTTGAGCAGTGATTGTT- - - - - TTTATAACTATGGTG- GTGAATTTTGAACATAGAA								12255
Cat	ATGTGTTTTTGAACAATG- - - ATTT- - TTTTATACCTA- - - - - TTGTGAAATTTGAACATAGAAAAAGACCTGATAGTT								14749
Ferret	T- GTCATGTATCACGGGT- - ATTGGATCTAGAGACTA- - - - - TCATATTCTTTTTTGGTGTGTTTTTGGTAATATT								12488
Lion	ATGTGTTTTTGAACAATG- - - ATTT- - TTT- ATACCTA- - - - - TTGTGAAATTTGAACATAGAAAAAGACCTGATAGTT								13322
Vaquita	GAATTTTCAAAGCACTGGT- TGTAATTGCTGAATGCA- - - - CAGTTTTAAGTTGTGATATGACTATTTTATTCATCATC								11338
Pig	GTATTTTCAAATACTGGT- T- - - AATTGCAGAATGCA- - - - CAGTTT- AAGTTGTGATGTGGCTA- TTTATTCATCATT								11558

Majority	ATTG- GCXTTCTTAGXXAATTACAGTAAAXTATTACTAAXGAATCATTTTTTTG- - TAGTAGTXGA- ACATAACXXATTTXA								
	15770	15780	15790	15800	15810	15820	15830	15840	
Human	CCTGAGC- - - C- - CAG- - GCGGCAGTGAGCTATGATTGTATCACTACACTCCA- - GCCTGGGCGAGAGGAGATCCAGTCT								12602
PolarBear	-----								0
Cow	ATTG- GCTTTCTAGGTAATTGCAATAAATAGTACTAACATAACCTTTTTA- ATAGTAGTTGA- ATATAACTGATTGA								12625
Dog	TTC- - GC- - - - TGAATGTATTGTTGTCAATTAGAACAGGTGATTTCAGATTTGC- - TAGTCCTGAA- GGCTAGGGTT- TGA								12597
BelugaWhale	ATTG- GCTTTCTAGACATTTACAGTAAAATAATGCTAAAGGAAACTTTTTTTG- - TAATAGTTGA- ACATAACTGATTTA								11313
Donkey	CAAAGACATT- - - A- - TTTTTATCATGAACCATTATTTGTCACTCAGTCCCAA- - CAGTCATCAACACACAACCCATTGC								12328
Cat	ATGAACCACTATTTGTCACTTAGTCCCAATAATCATCAATAAACCAATTGCTAG- - AATTTGTGAT- ATTCACTGTACTTT								14826
Ferret	TATAAGC- - - - TGTGGTATGTTTTTTTATTAGAAAGACATGTGTTGCATGATG- - TGTGTGTGCG- TGTGTGTGTA- TGT								12560
Lion	ATGAACCACTATTTGTCACTTAGTCCCAATAATCATCAATAAACCAATTGCTAG- - AATTTGTGAT- ATTCACTGTACTTT								13399
Vaquita	ATTG- GCTTTCTAGACAATTACAGTAAAATAATGCTAAAGAAACTTTTTTTT- - TAATAGTTGA- ACATAACTGATTTA								11414
Pig	ATTG- GCATTCTTGGATAATTGCAGTAAATAATGCTAAAGATTTTTTTTTTTTTTTTGTGGTAGTTGA- ACATAACTGATTCA								11636

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Majority	T AACAGXTATGTTAAAGAAAACTGT - TTGTTTGGGTTTTAGXTTTTGAGXTTTCTTA- AAATATTACATAATXCTTGC	
	15850 15860 15870 15880 15890 15900 15910 15920	
Human	CAAAAAAAAAGGAAAAGGGCTTT CCTGAGGGTCAAATGAAGTACAGTTGACCCTTGAACAACATGATTT - TGAATTACAC	12681
PolarBear	-----	0
Cow	TGACCAGTATTTTAAACAAAACTGTGTTATTCGGGTTTTAGGTTTTGAGTTTTCTTA- AAATGTTACATAATTCTTGC	12704
Dog	CCTCTATAACATTGAAGTAATTTCT- GAGCTTTAGTTTTAACTAATTTTTTATTTTT- AAATTTTTATTTATTTATT	12675
BelugaWhale	T AACAGGTGGGTTA- AGAAAACTGTGTTGTTCCGGGTTTTAGATTTTTGAGTTTTCTTA- AAACATTACATAATGCTCGC	11391
Donkey	T AAAACTTACAACATCCATACTCTGCTTTTCTTCTCCTGCGTTATTTTTGAGACAAATTCAGATGTATCATTTCATCTGT	12408
Cat	TCTCC- - TATGTTATTAAAAAATTT- TTTTATGTTTATTCATTTTTGAAAGACAGAG- AGAAAGAGCACAAGCAGGGG	14902
Ferret	ATAGTGTTATTTCCCAGTAATATTTCT- TGTAAACTTCTTTCTCCTTGTTTGTGGTCA- GCGTAGTCTGTGCGCGGTAA	12638
Lion	TCTATGTTATTTAAAAAAAATTTT- TTTTATGTTTATTCATTTTTGAAAGACAGAG- AGAAAGAGCACAAGCAGGGG	13477
Vaquita	T AACAGGTAGGTTA- AGAAAACTGTGTTGTTTGGGTTTTAGATTTTTGAATTTTCTTA- AAACATTACATAATGCTTGC	11492
Pig	T AACAGGTGTGTTA- CAAAAACTGT- - TGTTTGGGTTTTAGATTTTTGAGCTTTCTTT- AAATGTTACATAATACTTGT	11712

Majority	TXGGGTATTTATATTAGGATTTAAAAAXAGAGAAATXTGTGCG- - XGTCTCXG- AGXXXXXTGGACAGXXCXX- XXGTGX	
	15930 15940 15950 15960 15970 15980 15990 16000	
Human	AGGTCCACTTATGCATAGATCCACTTATACAGAATTTTCTTCTC- CCTCTTCCACCCAAGACAGAAAGACCAACTCGTCC	12760
PolarBear	-----	0
Cow	TAGGGTATTTATGTTAGAATTTCAAATTAAGACATTTGTACTCTTGCCTGGAGAATCCCATGGACAGGGGAGCCTGGTA	12784
Dog	TGACAGAACAAGCAGGGGAAGCAGCAGAGGAAGAGGGAGAAGC- - TGGCTCCC- TGCCGAGCAGGGAGCCCCATGCAGGG	12752
BelugaWhale	TAGGGTATTTGTATTAGAATTTCAAATTAGAGACATCAGTGTG- - - TCTGCT- - - - - - - - - - - - - - - - -	11440
Donkey	AAGTGTTTTGGTGTGTCTTGAaaaaataaggactcttgggg- - TGGCCTTGTGGTGTAGTGGTTAAGTTTGCATGCTC	12486
Cat	TGGGGCGGAGAGAAAGGGGGACACAGAACTGAAACAGGCTCC- - AGGCTCTG- AGCTGTcagcacagagccccgacatgg	14979
Ferret	ACATCTGTTcATcAGTTCTCTTAAAGAAATATGTAaaagaaGTG- - TATCTTAA- AGTTCACCTTATAATTTGTATAATAGA	12715
Lion	TGGGGCGGAGAGAAAGGGGGACACAGAACTGAAACAGGCTCC- - AGGCTCTG- AGCTGTCCGCACAGAGCCCCGATGTGG	13554
Vaquita	TAGGGTATTTGTATTAGAATTTCAAATTAGAGACATCAGTGTG- - - TCTGCT- - - - - - - - - - - - - - - - -	11541
Pig	TTGGGTATTCATATTAAGATTTTAAATTAGAGACCTTTATAGT- - - GTCTCT- - AATGCCATAGACAGGAAGG- - AGTTA	11785

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Majority	GGCT - - - XXAXX- CA- G- - XT- XXXGAXXAT- X- CXTGAGXCGXAX- AAXATGXTTX- X- XX- T- - - XXX- - - X- - GCAX	
	16010 16020 16030 16040 16050 16060 16070 16080	
Human	TCTTCCTCCTTAGCCTACTCAGCGTGAAGACAGTCAGGATGAAGACCTTTATTATGACTGATCTCCAAAAAGATTGGCTT	12840
PolarBear	-----	0
Cow	GGCT - - - GCAGTCCATGGGGTCACTAAGAAT- TGGACACGACTGAGGGACTTCACTTTTCACTTTT- TACTTTTATGCAT	12859
Dog	GGCT - - - GGATCCCA- GGACCTTGGGATCAT- GCCCTGAGCTGAAGGCAGATGCTTAACCAACT- - - AGCCACTCAGCAC	12824
BelugaWhale	----- G- ----- AATGTCA- ----- GCAC	11452
Donkey	TGCTTTGGCAGCCCAGAGTTTACATGTTTACAGATCCCTGGTGCAGACCTACACACCACTCATTAAAGC- CATGCTGTGGCAG	12565
Cat	GGCT - - - CGAACTCATGAACTGCGAGATCAT- GACCTGAGCCGAAGTCGGATGCTTAACTGACTG- - AGCCTCCCAGGCG	15053
Ferret	AGCA- - - CAATATTT- AATGTAAATTGAAGT- TATTGATGGTGGACAAGAATGTTTTTTCAA- T- - - GGAGGTTTTGTCA	12786
Lion	GGCT - - - CGAACTCACGAACTGCGAGATCAT- GACCTGAGCCGAAGTCGGATGCTTAACTGACTG- - AGCCTCCCAGGCG	13628
Vaquita	----- G- ----- AATGTCA- ----- GCAC	11553
Pig	T- CT- - - GTAG- - CATG- ----- CACAATAACAAA- ----- GCTT	11813

Majority	TGTX- - - X- - - A- X- - - ATTXTAAXXTGXGXT- - - - X- X- XXXGTATXTXAAXA- XXAT- X- - X- - - XG- - XTAT- - AG-	
	16090 16100 16110 16120 16130 16140 16150 16160	
Human	CAGTATTTTCATGGAGTGCTATGAATTAGAATCCTGAGTCTCTATAT- TGTTAATTATTTTAGTCTCTTGGTCTACGTGTG	12919
PolarBear	-----	0
Cow	TGGCGAAGGAAATGGCAACCCACTCCAGTGTTCTTGCTTGGAGAATCTGAGGGACGGGGGAGCCTGGTGGGCTGCCTTCT	12939
Dog	CCTTAATTGAACAA- - ATTTTAAAATGGACTT- - AATAGGATCTACTTCAAAAAGTCATTTTAAC- ACGGAATTATCAAGC	12899
BelugaWhale	TGT- - - - - - - - - - - G- - - T- - - - - - - - - - - AAAGA- - - - - - - - - - - C-	11464
Donkey	TGTCCACATGCAAA- ATAGAAGATTGGGACAGACGTTAGATCTTCTCACCAAAAAAAAAAAAAAAAAACCAAAACAGAGAGA	12644
Cat	CCCCTCTCCTATGTT- ATTTTGGAGATGAGTAG- - CAGATACAGTATTTTACTTGTAATGTTTTGGTGTGTCTCATAAAGA	15130
Ferret	AGTTAAGAACATGT- - GATCTAGAATTTGCT- - - AGTAAGCTAGGTTTTGGCCTCTATAACGTTGAAGGTAATCTCTAAG	12861
Lion	CCCCTCTCCTATGTT- ATTTTGGAGATGAGTAG- - CAGATACAGTATTTTACTTGTAATGTTTTGGTGTGTCTCATAAAGA	13705
Vaquita	TGT- - - - - - - - - - - G- - - T- - - - - - - - - - - AAAGA- - - - - - - - - - - C-	11565
Pig	TAG- - - - - - - - - - - AATCCAC- - - - - AAT- - - - - - - - - - - ATATAAAAA- - - - - - - - - - - CTCC- - - - -	11839

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Majority	XTAGAGTTXATTTAXAXTTTTXT- XATXTXAXXXTA- - - ATAXXXX- - - - ACAXTAAAGTXX- - - - XTTTXATGAX- -								
	16170	16180	16190	16200	16210	16220	16230	16240	
Human	TTCCTAAACTGTAGTAGCTTTCTTAATTTAGTTCTAGGCATACTACATTAGGGGATAAGGTGGTTAAGTGATATTTTCAC								12999
PolarBear	-----								0
Cow	ATTGGGGTCACACGGAGTCCGAC- ACGACTGAAGTG- - - ACTTAGCAG- CAGCAGCACAGTGTGT- CTACTAAATGACAG								13013
Dog	TTACCGTAAAGCTACGAATTAGTTTATTGGGTGGTA- - - GAATGACTA- - TATAATGTGCTTCA- - - AAGTGATGATCA								12970
BelugaWhale	- - - - TGGTGATTCCAGAGACA- -								11480
Donkey	A- AAATAAGGCTTATCTTTCTCTTTTTTTTTTTA- - - GCAAAGAAACAAAACATAACTGCAATATTATTATGACAC								12720
Cat	TAAGAATTTTTTTTTTTTTTTTTT- GATATAACCAGA- - - ATACTGTTAAGGACAGAAAAAAAAAACATTCCTTAATGT								15206
Ferret	CTTTAGTTTAAACAAATTTTTAAGTGGTTTTAATTTA- - - GTAGGACC- - - TACCTCAAAGTTAA- - - TTTTGAAGATGA								12931
Lion	TAAGATTTTTTTTTTTTTTTTTTTGATATAACCACA- - - ATACTGTTA- GGACAGAAAAAAAA- - - ACATTCCTTAATGT								13778
Vaquita	- - - - TGGTGATTCCAGAGACA- -								11581
Pig	- TAGAAATCAGTAAGAAATAAAA- ACTATGAAGTTG- - - ACTTC- - - - - - - - - - - TATTAAAGTGCTC- CTTCTAAATGA- - -								11902

Majority	XAX- AXGX- AXXAATT- - - - - XTAAAXXTATTAAGA- - TATATGTGTCT- - - GGGTXGXGAXCTTAATTGTTTXATTGA								
	16250	16260	16270	16280	16290	16300	16310	16320	
Human	TTTAAAAGTAATAAGGTGTCACAGAAAGTTATCACGAGATTTTTTTGAGCAGTACTTCTTTTTTAAACTATTATAATGA								13079
PolarBear	-----								0
Cow	CACTATGTTAAAAACTGGTGATTCAAAGACACTAAGA- ATATATGTGTCTTGAGAGCAGAGACCTTACTTATTTTGTGGA								13092
Dog	TGCTGGGTGACTGACT- - - - - ATCAGCTCTTTATA- CCACCTCCTCCC- - - AGATTTGGACAGGAACACCTCAGTTGA								13039
BelugaWhale	- - - - - T- - - - - TAAGAA- - - TAGAA- - TATATGTGTCTTGAGGGCAGGGACCTTTTTTGTATTATTGT								11533
Donkey	CAAAAAGCTAACAGTT- - - - - GCTTAATGTTATCAAGTGCCAAATTTGCACTAAAATTTCTAATTGTCCTATAAAAGTCAT								12796
Cat	TATCAAGTGCCAAATT- - - - - TTAAAATTTTTAATT- TTTGGGGTGCCT- - - GGGTGGCTCAGTCAGTTGAGCATCCGA								15276
Ferret	GATAACACATAAAATT- - - - - TAGCACAGAAAGGC- ACATAAGTGCTC- - - AAATGATGATCATGATTGTTACTATAG								13000
Lion	TATCAAGTGCCAAATTAATG- - TTAAAATTTTTAATT- TG- GGGGCGTCT- - - GGGTGGCTCAGTCAGTTGAGCATCCGA								13851
Vaquita	- - - - - T- - - - - TAAGAA- - - TAGAA- - TATATGTGTCTTGAGGGCAGGGACCTTTTTTGTATTATTGT								11634
Pig	- - - - - G- - A- TTTACAGTTTAAAGA- ACTACG- - - - ACAGGTATC- - - - - - - - - - - ATCATCATCATCTGAGCAC								11953

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Majority	TTXTXTATCATA XGTAGTTCTTATXGTATXGTAXATACGAGGXATATATXTAATXA - - CTTTTTGACAG- TCTCTGGCTT								
	16330	16340	16350	16360	16370	16380	16390	16400	
Human	ATTTTAGACACAATAGTATCATGAACCATTGTGTATCTATCATT CAGTCCCCAAAACCATTAGTAACCCATAGCTAAAAT								13159
PolarBear	-----								0
Cow	TTTTCCATCATTGGTAGTACATATTACATAGTACATAGT- - - ATA- - CTTAATGA- - CTCTTGGAAGG- TCTCTGGCTT								13163
Dog	TTCCAAA- ATAGAGAGTTTTTATGGTCTGTATTAGACGAGGACCAGGTTTTTTAA- - GTGTTTAAA- - AAAAAAGTTA								13114
BelugaWhale	TTCTGTGTATCAGTAGTGCCTGTTAAATAGTACATACTCAGTATATATTTAATGA- - CTATTGAAGGG- TCTCTGGCTT								11610
Donkey	AGTGTTATTACAGGGC- TTTTTTGTAGTGGGGGATGGATCAGGATCAGATAGGATCAACACATTTGATTAATATGCCTTTT								12875
Cat	CTTTAGCTTATGTATCATGATCTCATGGTCTGT- GAGTTCGAGTCATGTGTCCGGTTC- - TGTGCTGACAGCTCAGAGCCTG								15353
Ferret	TTCTTTAT- ATACCTTATTTGGAAGGTGCACCACCTCTGGATGCCAAATAATATAA- - ATTTTTTACA- - TAGCTATTAG								13075
Lion	CTTTAGCTTAGGTATGATCTCATGGTCTGTTGAGTTCGAGTCCTGTGTCCGGTTC- - TGTGCTGACAGCTCAGAGCCTG								13929
Vaquita	TTCTGTGTATCAGTAGTGCCTGTTAAATAGTACATACTCAGTATATATTTAATGA- - CTATTGAAGGG- TCTCTGGCTT								11711
Pig	TTCTGTACCATTC- - - - - TGTGCTAAATTTTTTATACA- - - - TTA- - TCTAAT- - - - CTTCAGACAA- TTTTTGAGGT								12016

Majority	AAATATGCTTATA- ATTTTCATGAACCXCTXATTTGTAAAACGGT- AATGXCAATTTTATTG- - - AXTCTTCTTCTCAATT								
	16410	16420	16430	16440	16450	16460	16470	16480	
Human	GATGATATCCACACTCTGCTTTTCCACTTCTGTTATTTTGTAGATAAATTTT CAGATATTCATATTGTTTTATCTGTAAAGG								13239
PolarBear	-----								0
Cow	CAATATGCTCATA- ATCTCATGAGCTACTTATCAGTAAAAAGGTCAATGCCAATTTTATTGCTTAACCTTCTTCCCTTTTC								13242
Dog	CAATGTTGTT- - - - - TTTTATTGAAGT- GCATTTAACATACAGT- ATTATAGTAGTTTCAA- - - AGGGTACATATCAATT								13184
BelugaWhale	CAACATGCCATA- ATCTCATGAGCCACTTATCAGTAAAAAGGTAATACCAATTTTATTGCACAACATTCTTCCCTTTTT								11689
Donkey	AAATTTCTTTTAA- TCTACCTACAAGTTCTCCTTCCATCCCTGTGCTTGCACAAAATAATCTCTGAGCTTTTTTTTTAATG								12954
Cat	AGGTCTGCTTCTG- ATTCTGTGGATCCCCCTCTCTCTGCCCTC- CACCTCTTGTGCTCTG- - - TGTCTCTCTCTCAAAA								15428
Ferret	ACATAATTTT- - - - - TTGTCTAAAGTTTTAAATTTTTTAAATTGA- AGTGTAGTTAACATAT- - - AGTATTAATTTCAAGT								13146
Lion	AGGTCTGCTTCTG- ATTTTGTGGATCCCCCTCTCTCTGCCCTC- CACCTCTTGTGCTCTG- - - TGTCTCTCTCTCAAAA								14004
Vaquita	CAACATGCCATA- ATCTCATGAGCCACTTATCAGTAAAAAGGTAATACCAATTTTATTGCACAACATTCTTCCCTTTTT								11790
Pig	AGATCCTGTAAA- ACCGCTTAA- - - - - AACTGTAAAAGTGA- AACGCAGAGGTTAT- - - - - - - - - CTTGTCCAAC								12076

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Majority	GACCAGTATATT - - X TAAATTTTAAAGAG - - - - AGTGXGXAGTTTATGTTAA - - XAAAXXCATGTCAXATATTA - - - - GT	
	16650 16660 16670 16680 16690 16700 16710 16720	
Human	TTATAGGGTTTTT - - - - - TTTTTTAGTG - - - - GGGGAAGGAGTCACGATAAAATAAGATCAGCAAATTTAACAGGTCGT	13462
PolarBear	- - - - -	0
Cow	GACCAGTACAT - - - - GTAAATGTTTGGGTGCAGAAGT GAGCAATATATGTTGAGGGAAAGACATGTCTAAAGTTG - - - TGT	13467
Dog	CAAGTGTATATT - - - - - AGTTTTTAAAGAG - - - - AGCCTGGAGTCCATGTTAAA - AATA - GCTAGTCAGATAACA - - - - CT	13386
BelugaWhale	GACCTGTGTATT - - - - GTAAATGTTTGGGAGCAGAAGT GAGCAGTATATGCTGAGGGGAAGACATGGCCAAAGTTT - - - TGT	11914
Donkey	AATCGAGGTAAAATATTACAAATTAATTTTTTATGAGTGTGGAGTCAGGTTAA - - AAATAGCTAGTCAGATAGCA - - - - CT	13187
Cat	GATGAGCAAATTTCAATAGGTTGATAAGCC - - - - TTTTTTTAGTTTTTTTTTTTT - AATCTGCATGTTATCCTTTC - - - - GT	15637
Ferret	CGAGTGTACATTT - - TAAATTTTAAAGAG - - - - AACCTGGAGTCTGTGTTAAA - GAGATAACACTCAGATAACA - - - - CT	13351
Lion	GATGAGCAAATTTCAATAGGTTGATAAGCC - - - - TTTTTTTAGTTTTTTTTTTTT - AATCTGCATGTTATCCTTTCACTCGT	14231
Vaquita	GACCTCTGTATT - - - - GTAAATGTTTGGGAGCAGAAGT GAGCAGTATATGCTGAGGGGAAGACGTGGCCAAAGTTT - - - TGT	12011
Pig	GTCCACCATCA - - - - ATAA - - - - TTC - - - - - - - - - - - - - - - - CAATTTATGTT - - - - - AAA - - - - - - - - - - - - - - - TCT	12192

Majority	XAAXAG - GCTTTXATAAAXX - XXAX - TA - AX - - XACT - - - XT - - - C - X - TTXATTTT - XTACAXAGAGCATG - - AG - X -	
	16730 16740 16750 16760 16770 16780 16790 16800	
Human	TATTACCTCTTAAATATCTTTTAAATGTACAAGCT - CTCCGTTCTGTTTTTTGTTTTTTTTTTAAGTTGCATTTTCATTTG	13541
PolarBear	- - - - -	0
Cow	CAATAG - GCTGGCACAGATT CATAACCATTGAACAATCAGCTGAATCGTTTGAATTTTACTGCAGAGTTTGTATGTGGGA	13546
Dog	AAAGATAGAATTAGTGAAGTGAAGATAAAAATTAAGTCTGTTTAAACAGATAGCAACAAGCGAGATGAAAGATCGTAGAAG	13466
BelugaWhale	CAATAG - GCTGGCACA - A - - - - - ATT - - - - - CATAGCCCTTG - - - - -	11944
Donkey	AAAGGA - GAATTTGTGAATAGTAAAATAAAATTTACT - - - - - - - C - - - - - AGAATTTA - - - - ACACAGAGCAACAAAGGGC	13251
Cat	GAAGTTTGTTTTTTTTAAACATTGCATTTTATTAAACATTTTTTTTTTCATGTTTTATTTT - TTAGAGAGAGGGAGACAGAGA	15716
Ferret	AAAGAGAGAATTGGTTAACTGAAAGATAAAAGTTACTTTGATTTAAACAAAGAGCAACAAAAAGATGAAAATAGTTGAGGGG	13431
Lion	GAAGTT - - TTTTTTTTAAACATTGCATTTTATTAAACATTTTTTTTTTCATGTTTTATTTTATTTTTGAGAGAGAGAGAGACA	14309
Vaquita	CAGTAG - GCTGGCACA - A - - - - - ATT - - - - - CATAGCCCTTG - - - - -	12041
Pig	TAATA - - - - - - - - - - C - TTTATTTCTGTTACATAAATCTTA - - - - -	12222

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Majority	-- GAXAGA- A- - X- GGXA- GGA- - XX- AXT- - XAA- X- XX- ATCAXACTTTX- X- T- TCAG- A- - X- - - - - X- A- A- - X								
	16810	16820	16830	16840	16850	16860	16870	16880	
Human	TTGAAGAAAAC TGGTTATTGGTCTTACACAGTTGCCTATAGACTACATTTACTGATTGCGTTATGATTTTGTAAATTTAGT								13621
PolarBear	-----								0
Cow	GGGAGAGAAAATATAGGATGTCAGATAGGTAGGCAGA- AAGATTGTA CTT CATGTGGTAGGCAGTATTCC- - ATATACCT								13623
Dog	GGGGTAAATATTGAGGAAAGGAAAGACATTTATAAGATAGTACCGTAATTTAAGGTTTCAGAAACGAGAA- - ACGAAATA								13544
BelugaWhale	----- ACCA- ATTT-----								11952
Donkey	TTAAGGGACATGGAGGAAAGGAGGTGAAATTCTAACA- AACATCTGA- - TTAGAGTTTCAGGAAGAGAAATTAAGA- - T								13326
Cat	CAGAGAGGGAGCAGGGGAGGGACAAAGAATCTGAATCAGGCTTCAGGCTCTGAGCTATCAGCACAGAGCCCTGCACAGAG								15796
Ferret	TTAAAAGATACAGAGGAAAGAAAGAGGAATTCTAACA- AGTATCTAA- - TTAGAGTACCAGAAAGAGAAA- - GTAAAGAT								13506
Lion	GAGAGAGGGAGCAGGGGAGGGACAAAGAATCTGAATCAGGCTTCAGGCTCTGAACTATCAGCACAGAGCCCTGCACAGAG								14389
Vaquita	----- AACA- ATTT-----								12049
Pig	----- ATCATACTT-----								12231

Majority	-- X- A- XXGAGGT- GXXXX- T- A- AXGTATTAAGATCTTTACAXXXGXAGAXXTTGTXTGATAXA- - - GXTXAAXTXX								
	16890	16900	16910	16920	16930	16940	16950	16960	
Human	ATGTTTTCCATATTTCCAGTAAATTGGTAGTTAGATCTAGAGACTTGCTCAGGGTCTCTATTTTTTTGGTAATATTTTTTA								13701
PolarBear	-----								0
Cow	GTTGAGTTCAGTTCGGTTGCTCAGTTGTGTCTGGCTCTTTGCAACCCCATGGACTGCAGCACACC- AGGCTTCCCTGTCC								13702
Dog	TTGCAGCGGAAGTAGGCTA- TGACAAATTTGAAGATTCATAT- ATGGTCCAACAATTGATTTGAACCTCCTGAATTATTA								13622
BelugaWhale	----- A- ----- GCT----- GAATGATGGATTTTACAGC- GAAGGGTTTGTGTAATATA-----								11994
Donkey	TGT- - AGAGAAGCAAAATT- TGAAAAGCTAAAAAGTGATAAT- TTTTCAAATTTGGTGAGCTACA- - - - TGAATTCTTA								13397
Cat	CCTGATGCGGGGCTGGAAA- TCACAGGCAGTAAGATCATGACCTGAGATGAAGTCGGATGCTTAACCAGCTAAGCCACCC								15875
Ferret	TGCAAAGAGAAGCAGAATA- TGAAAGTTTAAAATAGAAGAGTCATAATTTTCCAGAATTGATGAGCTTTATGCATTTTTTA								13585
Lion	CCTGATGCGGGGCTGGAAA- TCACAGGCAGTAAGCTCATGACCTGAGATGAAGTCGGATGCTTAACCAGCTAAGCCACCC								14468
Vaquita	----- A- ----- GCT----- GAATGATGGATTTTACAGC- GAAGGGTTTGTGTAATATA-----								12091
Pig	----- TCATTT----- TTTTTTGCTCTTTATAGCTGCAC- - - CTGCAGCATATAGAAGTTTCCCTGG- -								12285

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Majority	AX- - - XX- - - XGAXAGX- A- XTTXXXX- - - - - XGTXX- AATCXAAGA- GXAG- - C- - C- A- XCXX- AA- - - - X- - XT	
	16970 16980 16990 17000 17010 17020 17030 17040	
Human	AGTGGTGGGTTTTTTATTTCTGTTAGACATGGTTTCTGAC- TTTTCGTGTATGTCA- - TGTTTTTCCCAGGAACATTTCTT	13778
PolarBear	-----	0
Cow	ATCGCCAACTCCTAGAGTTTACTCAAACCTCATGTCCGTTG- AGTCGGTGATGCTGTCCAACCATCTCATCCT- - CTG- TT	13778
Dog	AAGTTGGGATGCAAGGAAAACCTTAGGTACATGTACATCACAGTGAAAGGTGCAGATGGACCAGCCAAAAGAGAGAGAA-	13701
BelugaWhale	----- TGAGAG- ----- G- - - - GAGAGAAAAGATAG- ----- A- - - - - AT	12018
Donkey	GATTTAGGACACACAAGAAAACCTTAGACA- - - - - TGTCAACATGAAAGA- GCAGAACACCAAAGACTCAA- - - - AGAA	13465
Cat	AGGCGTCTCATTGCATTTTTATTTTTGAAGAAAACCTTGTTGATTCCACAGA- ATTGCCCCCGAGTCTGCATCTACTAATT	15954
Ferret	GGTTTAGGAAGCATAAAGAAAACCTTAAGACC- - - - - CATCATAGTTAAAGA- GCAGACCATCAGACCCAGAG- - - - -	13650
Lion	AGGCGTCTCATTGCATTTTTATTTTTGAAGAATACTTGTTGATTCCACAGA- ATTGCCCCCGAGTCTGCATCTACTAATT	14547
Vaquita	----- TGGGAG- ----- G- - - - GAGAGAAAAAATAG- ----- A- - - - - AT	12115
Pig	----- CTAGGG- ----- GTTG- AATTGGAGCTGCAG- ----- CTG- CT	12314

Majority	GT- CT- TXA- GC- GXXATXGAAAA- - X- - - - - ATXXCXTAATTAGAGXX- - - TXCXGAAAATATCAXXTXTTTT- ATXT	
	17050 17060 17070 17080 17090 17100 17110 17120	
Human	ATACTTTACCTTGTTTGCTAGGCAT- - - - - AGTCTGTGCTCAATAATTGTCTCCTTTTTTTTTCTTTTTTTTTTTTT	13852
PolarBear	-----	0
Cow	GTCCCCTTCTCCTCCTACCTTCAATCT- - - - - TTCCCAGCATCAGGGT- - CTTTTCAAATGAGTCAGCTCTTCTCATCA	13850
Dog	GTTCTATAAAGCAGCCATAGAAAAATC- - - - GTATTTTCTAACAAGAATAACGAACTGGA- - GACCATATGCATT- CTTT	13774
BelugaWhale	G- - - - - G- - - CCGATAG- - - - - GTTGGAG- - - - - AAAATTTCAAGTATTTT- ATGT	12055
Donkey	GATCTTTAAAGCAGCCAGAGGAAAATC- - - - AGATTTCCCTAAGAAGAATAAGAAATAGAAAGACACAGTGTGCTTCTTC	13541
Cat	GTGTTCTGATGTTATAATTTAAAATGTTTCATGTATCTGTCAATTGGTGTGGATCTAGAGACTATCATATTCTTT- TTGT	16033
Ferret	- CTCTTTAAAGCAGCCATAGAAAAATC- - - - AGATTTCTTAAGAAAGAATAAAAACCTGGAAAGATACAAAATGCT- GCTT	13724
Lion	GTGTTCTGATGTTATAATTTAAAATGTTTCATGTATCTGTCAATTGGTGTGGATCTAGAGACTGTATATTCTTT- TTGT	14626
Vaquita	G- - - - - G- - - CCGATAG- - - - - GTTGGAG- - - - - AAAATTTCAAGTATTTT- ATGT	12152
Pig	G- - - - - CC- - - TACGCACAG- - - - - CCACAATCAGA- - - - - TCCAAGCTGTGCCGGGTCTGCA- ACCT	12363

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Majority	-- GTTCGTCXGGATXXAXTAXATA- AG- - AXAGTATCTTTAAATXXXAGAAGCXAAATAX- - ACTAXTTTA- TTTAGGAT								
	17130	17140	17150	17160	17170	17180	17190	17200	
Human	TTTTTTCCTGCTTTTTGAGAGACA- - - - AGAGTCTTGCCCTGTTGCCAGGCTGGA- GTGCAGTGGCCAATCTCAGCT								13926
PolarBear	-----								0
Cow	-- GGTGGCCAAAGTATTGGAGTTACAGCTT CAGCATCAGTCCTTCCAATGAACATTCTGG- - ACTGATTTCTTTAGGAT								13926
Dog	-- CAGCAAGGAGATCCAGAATATA- TGGAAAAGTATCTTCAAATGTGAATGAATAACTA- - - ACTATTTTATTATATAGT								13848
BelugaWhale	-- GGTAGGCAGTATTCCATATATCTG- - - TAAGCTTCCATCCATGAAAGTAGCTCATTAT- - TCTGCTATC- TTTAGAAT								12127
Donkey	AGCAACATGGGAATCCAGAAGATAGTGGGAGAGTATCTGCAAAGTGTGAGTGAAAATAACTATCCATTTATTATTGCAT								13621
Cat	-- TTGTTTTTGGTAATATTTTATA- AGTGGTGGTATGTTTTTACATTAGAAGACATAT- - - TTGATTTTTGTGTGTGTC								16106
Ferret	-- CAACATAGGGGTGCAGAAGATAGTGAAATAGTATCTTCAAGGTGTTGAATAAAAATA- - - ACTACCT- ATTCTATAAT								13798
Lion	-- TTGTTTTTGGTAATATTTTATA- AGTGGTGGTATGTTTTTACATTAGAAGACATATAT- - TTGATTTTTGTGTGTGTC								14701
Vaquita	-- GGTAGGCAGTATTCCATATATCTG- - - TAAGCTTCCATACATGAAAGTAGCTCATTAT- - TCTGCTATC- TTTAGAAT								12224
Pig	-- GTACGCCACAGC- TCATGGCTACA- - - CCAGGACC- - TTAATCCACTGAGCA- - - - AG- GCCAG- - - - - - - - GGAT								12420

Majority	GGG- XX- TT- XTX- C- XTXXXAATCCAAATXATACTAXATXGTXXGXTTCXT- AGTACXXTATTGTACCATCAXCTX- - X								
	17210	17220	17230	17240	17250	17260	17270	17280	
Human	CAGTGCAACCTCTGCCTCCCGGATTCAAGCGATTCTCCTGCCTCAGCTTCCCAAGTAGCTGGAACACTACAGGCGCCTGC- C								14005
PolarBear	-----								0
Cow	GGACTGGTTGAATCTCCTTGCAGTCCAAGGGACTCTCAAGAGTCTTCTCCAACACCACAGTTCAAAAGCATCAATTCTTC								14006
Dog	CGCTAAATTGTTACGTTAAAGAGCAAAAATAAAAATAT- - - GACATTTTCATAACACCCTTCTTCTTCTTCCACTTCTTC								13925
BelugaWhale	GTG- - - - - - - - - G- - - - - - - AGACTGA- - GCTGCAAAAATAGTTGGCTTTGG- - - TACTGTATGG- AGCATCA- - TG- - -								12179
Donkey	AATCAGCTAAATTATCACT- TAAGGAGGAGAACAATAAATGGCATTTCAGAAACACTCCCTTTTTCCCCCAAAAAGGC								13700
Cat	TGTAATGTTATTCCCAATAATATTTCTTATAATAACTTCTTTACCTTTTTTGTGTTTATCATTGTCTGCTCAGCATAGT								16186
Ferret	CAGCTTAATTATCACTTAGAAAAACAATAAGGAGTGCCTGGGTGGCTCAGTGAGTTAAAGCCTCTGCCTTCGGTTTAGG								13878
Lion	TGTAATGTTATTCCCAATAATATTTCTTATAATAACTTCTTTACCTTTTTTGTGTTTATCATTGTCTGCTCAGCATAGT								14781
Vaquita	GTG- - - - - - - - - G- - - - - - - AGACTGA- - GCTGCAAAAATAGTTGGCTTTGG- - - TACTGTATGG- AGCATCA- - TG- - -								12276
Pig	GGA- - A- - - - - - - - - CCCGCATCCTTACGGATACTAATTGGATTCTTAC- - - - CCTCTGAGCCACAACAGGAACTC- - -								12481

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Majority	XCX- - A- CXC- TTTGTTTTGAGTATAAT- - XAAXCAT- - GTX- XTGACXTTT- TCX- - AXGX- - ACXTGXAAATTTCTTX								
	17290	17300	17310	17320	17330	17340	17350	17360	
Human	ACTACACCTGGCTAATTTTTGTGTTTTAGTAGGGATGGGGTTTCACCACGT- TGGCCAGGCTGACTTGGAACTCCTGAC								14084
PolarBear	-----								0
Cow	TGTGCT- CATCTTTGTTTGTAGTCCAACCTTTCACATCCATACATGACTACTGGAAAACCATATACCTGTAAGCTTCCAT								14085
Dog	CCTTTC- CGCTCCGTCCTCTGACCCCA- CAAAAGACA- GTTGGGAAATTTATCAACAGACCCATCGAAGAATTTCTAG								14002
BelugaWhale	----- A- ---- ATTAGAATATAGT- ----- CGT- ----- TAACTATT- ----- C- -- TGATCTCTTA								12215
Donkey	AATTGAGGAAATTTATCAACAGACCCACTGAAGGAATTTCTAGAGGTTGTACTTCAAGAAGAAGGCCAGT- GACTCCAGA								13779
Cat	TCAGTA- GACATCTGTTATCAGTATTCT- TAAAGGATATGTAAAAGAAATGTATCTTAAAGTTCACTTAA- - TTTATATG								16262
Ferret	TCATGA- TCCCAGGGTCCTGGGATCGAG- CCCACATC- GGGCTCTCTGCTCAGCAGGAAGTCGGCTTCCTCCTCTCTCT								13955
Lion	TCAGTA- GACATCTGTTATCAGTATTCT- TAAAGGATATGTAAAAGAAATGTATCTTAAAGTTCACTTAAAATTTATATG								14859
Vaquita	----- A- ---- ATTAGAATATAGT- ----- CGT- ----- TAACTATT- ----- C- -- TAATCTCTTA								12312
Pig	----- C- -- CTTAATTGGACTTTAAC- --- AACAT- ----- ACTTCT- ----- TTGTAGATATCCTT								12524

Majority	ATG- - - - - TAG- XTCATA- TT- - - - T- - TAXATTGTGXTTACTGAACGTAAAAGXC- - - - - TTAGTX- TXGTCTTAA								
	17370	17380	17390	17400	17410	17420	17430	17440	
Human	CTCAAGTGATCTGCCACC- TTGGCTTCCCAAAGTGCTGGGATTATAGGCATGAGCC- - - - - ACTGTGCCTGGCCAAT								14156
PolarBear	-----								0
Cow	ATATGAAAGTAG- CTCATTATTCTATTTTTAGAATGTCTCAACTGAGCTGCAAAGTCCTTAGCTTTGGTATTATATGGAG								14164
Dog	AGG- - - - - TTGTACTTTAGAA- - AGAATACTGGTAACTCCAGGAAGGAGGA- - - - - TTTAGTAGGAAAATCAA								14063
BelugaWhale	CT- - - - - TGG- TCCATT- - - - - T- - - - - GTGTTC- CTGAACTGTAATAGCT- - - - - T- - TCTTAA								12256
Donkey	AAGGAGGTCTGAGGTAGAAGTAACGTT- - AAGCAAGAAATTGGTAAGCCTGTGGTAAATTTAATTACTGACTGTATAAG								13857
Cat	ATGGAAAGACAGTATTAAAGTTCAACT- - TAAATTGTAGTTATTGATGGTAGACAAGAATT- TTTTAGTGGAGGTCTTGT								16339
Ferret	CTG- - - - - CTTCTCTCTGC- - CTGCTTGTGATCTCTCTGTCAAACAA- - - - - ATAAATAAAATCTTTAA								14016
Lion	ATGGAAAGACAGTATTAAAGTTCAACT- - TAAATTGTAGTTATTGATGGTAGACAAGAATT- TTTTAGTGGAGGTCTTGT								14936
Vaquita	CT- - - - - TGG- TCCATT- - - - - T- - - - - GTGTTC- CTGAACTGTAATAGCT- - - - - T- - TCTTAA								12353
Pig	A- - - - AGAATA- - CTGAT- - - - - GAACGTGTTTATTGAGC- - - - AAG- - C- - - - - TGTACTGAA								12566

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Majority	XAA- X- - - - - T- X- - - - XX- XXXG- XX- X- A- - - XXTAG- - - - XCTAXX- - AXT- AAXG- XATX- - XAAGTTT XAG	
	<div style="display: flex; justify-content: space-between; width: 100%;"> 17450 17460 17470 17480 17490 17500 17510 17520 </div>	
Human	AAG- - - - - TGT- - - - CTCTTAATGAGTATTCTTAAAGGATATCTAAA- - AAGAAATGTAACCTTAAAATTCACAT	14219
PolarBear	- - - - -	0
Cow	CACTATGATTTAGAATCATGAGCCTCTGTAGTTAACTGTTTAGATATCTTATTTGGTTCATTTGTGTTGCTAAATTGAAA	14244
Dog	AACAAG- - - - GTTTAACCCCGTACCGTGATTCAGGTATTATGGTTCCCGTTTTCTTCTTGCTGTTATTACCTAAGAA	14138
BelugaWhale	TTT- - - - - A- GTTTCAG	12267
Donkey	AAAATAATAGCAGTGATGGTTTGATTTGAGGTTTAATAAATAGAA- - CTA AAAAATATTAATCATAACAACATGTGAGGG	13935
Cat	CAAGAGCATGTGATTTAGAATTTGCTAGCAGGCTAGAGTATGGCCTCTCTATAACATTGAAGGTAATCTCTGAGCTTTAG	16419
Ferret	AGAAAA- - - - AATAGTGACATTGTCAGAAACACATCAAGCACCTCCTCTCTGTCAAGAAAAGCAATTGGGGAAATTGAT	14091
Lion	CAAGAGCATGTGATTTAGAATTTGCTAGCAGGCTAGAGTATGGCCTCTCTATAACATTGAAGGTAATCTCTGAGCTTTAG	15016
Vaquita	TTT- - - - - A- GTTTCAG	12364
Pig	CAC- - - - - AAGGTGAAG	12578

Majority	AXTAACAGAGTT- X- XA- X- T- - - - TAGG- - - TXX- - AAGAAXTAAGGTTGTTXGXTAAXTATTTTTACTTGTAAAGT-	
	<div style="display: flex; justify-content: space-between; width: 100%;"> 17530 17540 17550 17560 17570 17580 17590 17600 </div>	
Human	AATAGTAATACTATACAGTATTAACATTTAATGTAAGTTGGAAGTATTGATGGTGGACAAGAATGTTTTCTTGTCAAGA-	14298
PolarBear	- - - - -	0
Cow	GTAAATAAGTTTCCTAATTTAGTTTTAGCTATTCATGAAGGACTAAGGTGGTTAGGTAATTTTTTTACTTGAAAAGT-	14323
Dog	AATTA- AGGGCAAGGATTGTTTTGATTTGGGGTGA- - AAAAATAGAAATCACATATTCATCAGAGTCCCTTTACACGC-	14214
BelugaWhale	ACATACTTCATT- - - - - AAGGGCTAAGGTGGTTAGGTAA- TATTTTTACTTTAAAAGT-	12319
Donkey	AGTAGTAGAGTAAATGAAGTT- - - - TAAGTTCTGATGACCTAGTATTGTTTTGAGCTC- - TCTTGTCCATTATGGAGCC	14008
Cat	TTTAACAGATTTTTAAATGGTCTTAATAGGACTTACCTCAAAGTTATTTTTGGAGATTAATGAAATAACATGTAAGATT	16499
Ferret	CAGCA- GACCCACTGAAGAATTTCTAGAGTTGTACTTTAGAAAGTAGGTCGATGACTCCAGAAAGGAGTTTTGAGGT-	14169
Lion	TTTAACAGATTTTTAAATGGTCTTAATAGGACTTACCTCAAAGTTGTTTTGGAGATTAATGAAATAACATGTAAGATT	15096
Vaquita	ACATACTTCATT- - - - - AAGGGCTAAGGTGGTTAGGTAA- TATTTTTACTTTAAAAGT-	12416
Pig	ACAAAGTTAG- - - - - AACAAGTAAGG- - - - - TTCTTGACAGAAACAC-	12615

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Majority	- - - - - AATAAAATATAAGT - - AXAGATGAGGAAGGTATGTGTTTTTGXAXATTGATTCGTTTTACAXCTGATXTX - -										
	17610	17620	17630	17640	17650	17660	17670	17680			
Human	- - - - - ACATACGATTTAGAATGAAAA - - GATGAGGGTTTGACTTTTATAGCATTGAACAGGTTAACCTCTGAGCT - - -										14366
PolarBear	- - - - -										0
Cow	- - - - - AATAAAATATAATCAAAAAGTTATGGAAGAAATGTGTTTTTGAGAAATGATTCTTGTTATAGCTATTGTG - -										14393
Dog	- - - - - ATAGTAGTTTGGTACATTGATGTTGAAGGCTTGATGATTCTAGCTCTTACTACGCTGCTGTT - - - - -										14277
BelugaWhale	- - - - - AATAAAATACA - - - - ACAGTTATGAAAGGTATGTGTTTTTGAGCAATGATTCGTCTTATAACTGTTGTGG -										12385
Donkey	ACT - - - - AGTTGTATGTGGTT - - ATTGAGCACTTGACACGTGGCTAGTCTAAATTGATCTGTTCCAATTGTAAAATACA										14081
Cat	TAGCACAGAATGGCACATAAGTGCTCAAATGAGGATCATGGTTGTTACTGTAGCTCTTACTCTGTACACCTGATTTGGG										16579
Ferret	- - - - - GGGAGAAGTAAGGTTAACCAAGAAATTGGTAGGACTGTGGTAAATTTAATTGCAGTATAA - - - - -										14230
Lion	TAGCACAGAATGGCACATAAGTGCTCAAATGAGGATCGTGGTTGTTACTGTAGCTCTTACTCTGTACACCTGATTTGGG										15176
Vaquita	- - - - - AATAAAATACA - - - - ACAGTTATGAAAGGTATGTGTTTTTGAGCAATGATTCGTCTTATAACTGTTGTGG -										12482
Pig	- - - - - CATAAA - TATATGCAAAA - - - AAGCAGATATCACGTCTTCCAATAGAAAACTTATCACTGCTTGTAT - - -										12680

Majority	- - XXAATTTTAAACAT - - - - - TAAAAAAGXTTXAGTTGTATXAXATAGTGTTATTTTTATXTTAXXAAGTTXAAA										
	17690	17700	17710	17720	17730	17740	17750	17760			
Human	- - TCAGTTTTATACATT - - - - - TTTAAATGGTTTCAGTTGTA - - - CTTACTTCCAAAATTATTTTGAATG - - TTAGA										14431
PolarBear	- - - - -										0
Cow	- - - - AATTTTGAAGTT - - - - - AGAAAAAGACATAGTAGTATTATAAACTGTTATT - - - - TGTCACCTCAGCCCAA										14456
Dog	- - GTACCTTATAGTAT - - - - - TGAGCACGTTGACCTGGATAGTCTAAACCTATCTCCAAATTGCAAAGTGCACA										14344
BelugaWhale	- - TGAATTTTAAACAT - - - - - TAAAAAAGACACAGTAGTATCACAAAGCGTTATTTATATGTCACTCAGCCCAA										12454
Donkey	CGTGGATTTCTAAGACTTCATGGAAAAAAGAAAGTA - ATTTTTATTACATGTTGAAATGATAATTTTTTTCAGTTAAATA										14160
Cat	AGGAACACCACAGTGGACTCCAGATAGGAACTTTTTTACCTGGCTGTTAGAGACAAAATTTTTTCTTTAAAAATTAAAA										16659
Ferret	- - GAAAGTAATGGCAG - - - - - TGATTGATTTGGATTTAAAAAATAGGACTAAAAATATTATATCATAATAACA										14297
Lion	AGGAGCACCACAGTGGACTCCCAAATACGAACTTTTTTAACTGGCTATTAGAGACAAAATTTTTTCTTTAAAAATTAAAA										15256
Vaquita	- - TGAATTTTAAACAT - - - - - TAAAAAAGACACAGTAGTATCACGAAGCGTTATTTATATGTCACTCAGCCCAA										12551
Pig	- - - - - TTCTGAA - - - - - AACAAAAAGA - - - - - A - TCTGTTATC - - - - TCTAGATC - - - - -										12715

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Majority	CAA- - - - XATXAAXAA- ACAACTTATTGCTA- - - - XAAXTTAXGXGATCCXXAC- CTACTTTGXTCCGTGTAGATAAT	
	17770 17780 17790 17800 17810 17820 17830 17840	
Human	TGAG- - - - ATGAGGAA- AAGACTTATGCTGAAAGGATGAGAATGGTTGTTGTTGTAGTTCTTTAATCTGTAATCTACA	14505
PolarBear	-----	0
Cow	CAA- - - T- CATCAACAA- ACAACCCATTGCTA- - - - AAATTTAGGCTATCCACACTCTACTTTTCTCCTCCTCTGTTAT	14526
Dog	TA- - - - - TAAGGGA- TCCCTGTGTGGCCG- - - - CACGGTTGGGGAGCCTGGC- - - - CTGTGGCCCGTGTGTGAAT	14406
BelugaWhale	CAA- - - T- CATCAACGA- ACAACCCATTGCTA- - - - AAATTTAGGAGATCCACACTCTACTTTTCTCCTCCTGTATTAT	12524
Donkey	AAATATATCATTGTATCACCTTTTCTTTTACTTTTTAAAATATGGCTACTAGAG- CTATTAGAAAATTTGTAGG- - AT	14237
Cat	TTAAAATTTTTAAAAAG- TTTATTTATTTTTGAGAGAGAGTGTATGCACGCATGTGGCAGGTAGGGGAGGGCAGAGAGA	16738
Ferret	CA- - - - - AAAGGGA- GTATCGAGTAGCTGATGTTTAAGTTCTGACATTGTAGTATTGTTTTGAGCTGTGTTGTCCAT	14368
Lion	TT- - - - - TTTAAAAAG- TTTATTTATTTTTGAGAGAGAGTGTATGCACACATGTGCCAGGTAGGGGAGGGCAGAGAGA	15329
Vaquita	CAG- - - T- CATCAACGA- ACAACCCATTGCTA- - - - AAATTTAGGAGATCCACACTCTACTTTTCTCCTCCTGTATTAT	12621
Pig	CAA- - - C- TATCAAT- - - - TGACG- -	12746

Majority	TXTGGXAAC- - - - AATTXCAGGCTATTXGTXTTCAAXCATAGATTCTCTGXTGXGTGG- - CXTTXAAAGXTAXCGXCAGT	
	17850 17860 17870 17880 17890 17900 17910 17920	
Human	TTTGGAAGGAAC- ACTTTTATGGAAATCAAATACAGTAAATTAATTTCTAAGAGGTCCTGGAGTTCAAGTTAAAAATAGC	14584
PolarBear	-----	0
Cow	TTTGAGAAA- - - - AATTCGGG- TATTTGATTTCATTGAAAGTACTTTATTGTGTCT- - CTTTAAAGATAGAGTCAGT	14599
Dog	CCTGGAGAC- - - - - - - - - - - ACTTTCGAATCCCCACGTCTGGGCTCCCGGGGGCATGG- - AAGCCTGCTTCGCCTCTGGT	14473
BelugaWhale	TTTGAGAAA- - - - AATTCAGGTTATTTGT- TTCATCCATAAATGTTTTGGTGTGTCT- - CTTTAAAGATAGGGTCAGT	12597
Donkey	TATGTGTGTT- - - GCTCACTTTCCATTTCT- TTCGGACAGTGTGAGTCTTGAGGGTGAAATTTAAAGTCAAAGTGAAT	14313
Cat	GAGGGAGACGAGGATCTGAAGCCAGCTCCCCGCTGACAGCAGGGTCTCTGATGCAGGGCTCAAACCTCATGAGCCGAAGA	16818
Ferret	TATAGTAGC- - - - - - - - - - - AACTAGTCATATATGATTATTGAGCACTTGATGTGTGACTAGTCTAAACTAATCTCCAGT	14437
Lion	GAGGGAGACTAGGATCTGAAGCCAGCTCCCCGCTGACAGCAGAGTCTCTGATGCGGGGCTCAAACCTCATGAGCCACAAGA	15409
Vaquita	TTTGAGAAA- - - - AATTCAGGTTATTTGT- TTCATCCATAAATGTTTTGGTCTGTCT- - CTTTAAAGATAGGGTCAGT	12694
Pig	----- AATTATAA- - TATCAGAATACAATCAGGAGTTGCAAACCTGCGT- - - - - - - - - - - - - - - G- - - - - GGCAAC	12794

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Majority	TCTCTXT- - - - C- - A- - TCAXT- TTCTXAXTTAAXGAAATAAAAXCAXAGTXCACTTA- - TTAAATCTCTCAAAGAA- -	
	17930 17940 17950 17960 17970 17980 17990 18000	
Human	CTCAGACAGCACTAAATATCTTTATTAGTGAACAAAAAATAAAAAATAACTTAGAATTTAGCACAGAGAAGCAAAGAGAT	14664
PolarBear	-----	0
Cow	TCTCTCTGTCTACCCTCCTCCCT- CTCTGATTTAAAGAAATACAACCACAGTGCAC- - - - - TCCCTCCAAAAG- -	14666
Dog	CCTCT- - - - - CTGATGTCCTC- TGCATCTTTCCCGCGTTCCCTCACCCCCCCCCCCC- - CCACCTCTCTCTGTGAC- T	14542
BelugaWhale	CCTCCCT- - - - - CTCT- TTCTGTTTTAAAGAAATACAATCACAGTACTGTTA- - GTGCACCCCCCCC- - - - -	12656
Donkey	GAGATCAGTTTACATTTTAAATT- GTAAGGGTGAGCACAGTAAAAATAGGGATAAAGTG- - TATAATTTCTAAAATAA- -	14388
Cat	TCATTATCTGAGCTGAAGTCAAA- TGCTTAACTGACTGAACCACACTGGTGCSCCCAAA- - TTAAATTTTTTATTGAAGT	16895
Ferret	TGTAAA- - - - ATGCACATAAAT- TTCCAAAACAGTATGATAAAAAAAGAATGTAATTT- - TTATACCTATTACATAT- T	14508
Lion	TCATTATCTGAGCTGAAGTCAAA- TGCTTAACTGACTGAACCACACTGGTGCSCCCAAA- - TTAAATTTTTTATTGAAGT	15486
Vaquita	CCTCCCT- - - - - CTCT- TTCTGTTTTAAAGAAATACAATCACAGTACTGTTA- - GTGCACCCCCCCCCAAA- -	12757
Pig	TCTCT- - - - - A- - - - A- GAACAATAACCA- - GT- - - - - TTTCTTCAAAA- -	12827

Majority	- XAAATAGCAXAAAT- TGXATAATGTTCTXAAGTACXXAATTTXTTX- - - AAAGATTACTATTTXT- TX- TAAAAXTCAT	
	18010 18020 18030 18040 18050 18060 18070 18080	
Human	GAAATAGGAGAAGCGTTAAAAATGTGTTGGAAAGGAAGAGAAGTTCTAACAAACATCTAATTAGCGTTCAGAAATTA	14744
PolarBear	-----	0
Cow	- AAAAAAGCAGCAAT- TGCTTAATGTTCTCAAGTGCCAAATTTGTGT- - - TAAGATTTCTATTTGTCTTGAAAAGTTGT	14741
Dog	ATCATAAATAAAAAA- TAAAAATAAATAAAGTGCACATAAATTTCCA- - - AGAC- TTAGTAGT- - - - - ATGATAAA	14608
BelugaWhale	- AAAATAGCAACAAT- TGCTTAATGTTCTTAAGTGCCAGATTTGT- - - - - AAGATTTCTATTTGTCTCATGAAAGTCAT	12728
Donkey	- TTGGGGGTGGGAAG- - ATGTATAATCCAAAAGAAGTCAAGGAAAAAG- - - AAAAGTAAAAGAGAATAGGAAACAAAATGA	14462
Cat	ATAGTTGACAAACAT- AGTATTAGTTTCAGGTGTACATATTTTTTTTTCAATAGCTTACTAATTTTTTTTTTAGTGATCTC	16974
Ferret	TACAATATTTTGAAT- TAAATATTATTTGTATCCTTTTTACTTTCTA- - - AAATATGACTATT- - - - - ACAACATT	14575
Lion	ATAGTTGACATACAT- AGTATTAGTTTCAGGTGTACATAAGTTTTT- CAATAGCTTACTAATTTTTTTTTTAGTAGTCTC	15564
Vaquita	- AAAATAGCAACAGT- TGCTTAATGTTCTTAAGTGCCAGATTTGT- - - - - AAGATTTCTATTTGTCTCATGAAAGTCAT	12829
Pig	- TAAAATGTAG- - - - - TTATCAAGAACC- - - - TTATAG- - - TAA- - - - - TAAAAGG- - -	12865

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Majority	AGTAATTTTAAAX- - - - TAATTTT TAGTGATATGXAGGGXTCA- - ATCAA- ATAXTAACATATTTTTTAAAT- - - - -	
	18090 18100 18110 18120 18130 18140 18150 18160	
Human	AGATTGCAGAAAGGCAAATTTGAAATGCTAAAGGCTGATAATTTTTCA- GAATTGGTGAGCTATATGAGTTCTTAGATT	14823
PolarBear	-----	0
Cow	AGTACGTTTACTGTCTTTATTTTTAGTGGTATGGAAGGTT CAGGATCAA- AGATCAACACATT CAGTAAAT- - - - -	14811
Dog	AA- AAGAATA- - - - - TAATTTTATACCTATTA- - - - - CATGT- T- - - - -	14641
BelugaWhale	AATATTTTACAGAGTTTCATTTTTCGTGGTGGGGAGGGATCAGGATCAA- ATAAGAACACATT CAGTAAATTGACATGCC	12807
Donkey	GCTCATTTTAATAGTATTAAGAGTAGCTCTATGGAGGATTCCTTTGAGCCTTTAAAAGTTAGAAATTTTCGAGGGTAGGGA	14542
Cat	TGTAATCTCAAG- - - - TAATCTT TAGTAATCTCAAGACCCCGAAATCAAAGGAGTCGCATGCTTTTCCAAGCTGAGCCAG	17050
Ferret	TGTAAGATCT- - - - - TAAGTGTTGCTCATCTTA- - - - - CATTTCTTTTGGAC- - - - -	14617
Lion	TGTAATCTCAA- - - - TAATCTT TAGTAATCTCAAGACCCCAAATCAAAGGAGTCGCATGCTTTTCCAAGCTGAGCCAG	15640
Vaquita	AATATTTTACAGAGTTTCATTTTTCGTGGTGGGGAGGGATCAGGATCAA- ATAAGAACACATT CAGTAAATTGACATGCC	12908
Pig	AGAATTTGTAG- - ACTGAA- - - - AGGAATTTGAAAGGC- - - - - ATATTAATCTATCAAATTGA- - - - -	12917

Majority	- - - GAXACTXCTTTAAATCTACAAAATTTCTTTT- X- - XXTGXXTTTTTTAATAATTACATTTTTTTTXXTTCAAGA- - -	
	18170 18180 18190 18200 18210 18220 18230 18240	
Human	TAGGAGGCACAAGAAAACCTGGACACATAACAGTAAAAGAGCAGAGCACCAAAGACATAGAGATCTTTAAAGCAGCCAGA	14903
PolarBear	-----	0
Cow	- - - - AAATTTCTTTTGATCTGCAAATTATCCTTTTATCCTTGTGAGGCTTTT- ATAATTACATTTTATTTTTGAAGA- - -	14883
Dog	- - - GATAATATTTTGGATTAATAAAAATATTTTGT- - - - ATCCTTTTCTTTTAAATTTCTAAAATATGGTACT- - -	14709
BelugaWhale	TTTTAAATTTCTTTCACTTTACGAATTCTCCTTTTATCACTGTGAGGTTTTT CATAATTACATTTTATTTTTGAAGA- - -	12884
Donkey	CTTGGGGCTCATTCTAACCCCT- - - AGTTACCTCCCAAAG- TCTCTATCTCCAAATACCATCACGTTGTGGTTCACCGTAT	14618
Cat	CCAGGTATCCCCTCAAGTGTACATAAGTTTTTTTT- - - - - TTTTTTTTTTAAACATTTATTTATCTTTGAGAGAGAG- -	17122
Ferret	- - - ATTACCAGTCTGGAGGATGGAAATTTCTTTTT- - - - TTTTTTTTTTAAAGATTTTATTTATTTATCCAACAG- -	14687
Lion	CCAGGTACCCCTCAAGTGTACATAAGTTTTTTTTGT- - TTTTTTTTTTAAACATTTATTTATTTTTGAGAGAGAGAG	15718
Vaquita	TTTTAAATTTCTTTCACTTTACGAATTCTCCTTTTATCACTGTGAGGTTTTT CATAATTACATTTTATTTTTGAAGA- - -	12985
Pig	- - - - AAACCTAT- - - - ACCTG- - AGGTTTTTCTCCACC- - - - - GTATCT- GCCATTCCATCTTCTCTCTCA- - - - -	12972

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Majority	- - - - - AAAXTXATTGTAGG- - TAGTACAAAACAGTCCGAA- TATGCTTAAACAGATT CXAT- TCTG- - - - - AXT								
	18250	18260	18270	18280	18290	18300	18310	18320	
Human	GAAAATCAGATTCCCTAAAGAATAAGAACTAGAAAAGTCTAA- TATGCTTCATCAGCATGGGCATCCAGAAGATAGTGGA								14982
PolarBear	-----								0
Cow	- - - - - AAAGTATTGTTGG- - TGGTACAGAGTTATCCGTAGTCTGCATCTACTGATTGTAT- TCTG- - - - - A- T								14943
Dog	- - - - - ACAACATTTATAAG- ATTGTGTTGTACATCTTACATTTCTTTTGGACAGTACCAAT- CCGG- - - - - AGG								14771
BelugaWhale	- - - - - AAAGTGGTTGTTGG- - TCTTACAGAGTTGTCCATAGTCTGCATATACTGATTGTAT- TCTG- - - - - A- T								12944
Donkey	GAATTTGAGGGCTCATAAACATTTAGTCCATAAACACCCTGCA- TATACTTCTCCACTTCCAC- CCCAGGTAACCACTAT								14696
Cat	- - - - - CATGAACAGGGGAGGGT CAGATGAAGAGGGAGACACAGAATCTGAAACAGGCTCCAG- GCTCTGAGCTGTCAGC								17195
Ferret	- - - - - ACAGAGATCACAGGCAGAGAGGCAGGCAGAGAGAGAGAGGGAAGCAGGCTCCGT- GCTG- - - - - AGC								14750
Lion	AGAGAGCATGAACAGGGGAGGGCCAGAGGAAGAGGGGAGACACAGAATCTGAAACAGGCTCCAG- GCTCTGAGCTGTCAGC								15797
Vaquita	- - - - - AAAGTGGTTGTTGG- - TCTTACAGAGTTGTCCATAGTCTGCATATACTGATTGTAT- TCTG- - - - - A- T								13045
Pig	- - - - - C- - - - - TCCCAAACCCTTTGC- - - - - CATAAATCCAAATTAT- TCTG- - - - - C- T								13010

Majority	ATAGAAATTGATXTGTXGTCCATATCXAT- - CAGTTTGXGGATATXTCTTXAGCCXATXXCGTTCXCTTAXCXTTXXTTAG								
	18330	18340	18350	18360	18370	18380	18390	18400	
Human	ATAATATTTTCAATGTGTTGAGTGAAAATAGCTGCCACCTGTTATTTTATAGCCAGCCAAATTATCATATAAGGAGAAG								15062
PolarBear	-----								0
Cow	GTTACAATTATTATGTTCTCCATATGTGT- - CAGTTGGTGGATGGATCTA- AGGCCATCACGTTCTCTTG- - ATTTTTAG								15018
Dog	ATAGAAATTT- - - CAGGTCCAAAATGAAT- - CAGATTAAGTTTACGTCTTAAATTGTAACGGTAAACTTTACCATTGTTA								14846
BelugaWhale	GTTATAATTGTTATGTTGTCCATATA- GT- - CAGTTGGTAGATGGATCTACAGACCATCAGGTTCTCTTTCTGTTTTTAG								13021
Donkey	CCTGAAGTTG- - GTGTTTGCCATTCCATAT- - GAATTTCTTTATACCTTTGCTGCATGTATTGTTTCGTATA- TTTTCTTCC								14771
Cat	ACAGAGCCCAGCGGGGCTCGAACCCACA- GACCGCGAGATCATGACCTGAGCCGAAGTTGGACGCTTAACTGACTGAG								17274
Ferret	AGAGAGCCTGATGCGGGCCTCGATCCCAG- - GACCCTGAGATCATGACCTGAGCAGAAGGCAGTGGCTTAAACCACTAAG								14828
Lion	ACAGAGCCTGACGCGGGGCTCGAACCCACA- GACTGCGAGATCGTGACCTGAGCCGAAGTCGGATGCTTAACTGACTGAG								15876
Vaquita	GTTATAATTGTTATGTTGTCCATATA- GT- - CGGTTGGTAGATGGATCTACAGACCATCAGGTTCTCTTTCTGTTTTTAG								13122
Pig	G- - GCAGTTCAACGGCTGTGAATTTGTGC- - CAACTTACTGATATAACTT- TGGCCATGTCATCCCCTCA- - AC- - - - -								13077

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Majority	TCAAAAAATATCTXTGXAACAGTAXTXTTAX- - - ATTXT- - - - - XGA- XXT- - TAXXT- TA- - TX- T- - X- XXXT	
	18570 18580 18590 18600 18610 18620 18630 18640	
Human	TCAAGAAATTGGTAGGTCT- - GTGAGTAAATCTAATTACTGACCATATAAGAATGTAATAGCAGTGATTGATAAGGGGTT	15298
PolarBear	-----	0
Cow	TCGATAAGTATCTGTTTCATCAGTATTCTT- - - - -	15187
Dog	CTTAATAGTGATTTAGGAA- - AAGGGTCTGTGGGATCCT- - - - - TTTGAGTCT- TTAATGTAGAATTTTGGAGGGT	15063
BelugaWhale	TCAATAGACATCTGTTTGTGAGTATTCTT- - - - -	13193
Donkey	ATAGTATATGATTATATGAATATACCGTTACCTGTTGACAAATATTGAGGTTGTTTCTAATTTTTTCTGTTACAAATA	15002
Cat	GGTAAAAGAGGAAAGGAAGAGAAATTCTAATAAATTATCTAGACTACCAGAAAGTGAAAGTTAAAGATTGCAGGGAAGT	17499
Ferret	CCAAAAGAAGTTGGGGGAATAAAGGGAAAATAATAGTAT- - - - - GCAAAGTGAATTCATTTTAATTGTTTTAAAGGT	15057
Lion	GGTAAAAGAGGAAAGGAAGAGAAATTCTAACAAATTAT- - - - CTACCAGAAAGTGAAAGTTAAAGATTGCAGGGAAGT	16096
Vaquita	TCAATAGACATCTGTTTGTGAGTATTCTTTTTTTTTTTT- - - - - TTTTTTTTT- TTAATTTATTTATTCATTTATT	13336
Pig	CCAAAACGAATCTCCCCACTGTAGTCAT- - - - -	13194

Majority	X- - XX- T- XXX- - - T- - - - XXXXX- TA- - - X- XCAAAGTTTAT- A- ATTCAXXTAT- XTTAGAX- T- XGA- - - - XXX- - A	
	18650 18660 18670 18680 18690 18700 18710 18720	
Human	TAAAAATAGAAT- - TAAAAATATTAATCATAACAATATGTGAGAGAGTGGTAGAGACACTGGAGTTTGAGTTCTGATGA	15376
PolarBear	-----	0
Cow	----- AAAGGATAT- - - ATGCAAAGAT- - GGAAAG- - - - -	15212
Dog	TGGACCTTAGGTACCCCTCCCCTTTATCCTCCCGAAGTCTCC- ATTGTCCACATACCATGACATTCGGGCGTTAACA	15142
BelugaWhale	-----	13193
Donkey	GCTGCTCTGAGCATTCTTGTGCATATA- - - CCAATAGATGTGAATATTCGAGTTTCTCTAGAAGTGGAATTGCTAGATT	15078
Cat	GGAATATGAAAGTTTAAAAACCTCCTAATTTACCAAATTGATGAGCTTCATGAATTCCTAGATTTAGGAAGCACAAGAA	17579
Ferret	TCTGTGGAGGATTCTTTGAAAATGTAGAATTTGGAGGGCAT- AGAGTTGGGTCT- CATTGAACCCTGATTATCTCCCA	15135
Lion	GGAATATGAAAGTTTAAAAACCTCCTAATTTACCAAATTGATGAGCTTCATGAATTCCTAGATTTAGGAAGCACAAGAA	16176
Vaquita	TATTTTTGGCTGTGTTGGGTCTTCGTTTCTGTGCGAGGGCTTT- - - CTCTAGTTGT- - GGCAAGCGGGGGTCACTCTTCA	13411
Pig	----- AGGGCATT- - - GCTTAAACCT- - TG- - - - -	13215

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Majority	---X---X-X-T-----A--X-X---G-CATT-----C-----X-XTXXTACAXA-X---XG-XXXXX-X---TX										
	18730	18740	18750	18760	18770	18780	18790	18800			
Human	-TCTAGTATTGATTGGAGCTGTGTTGTCAGTTACAGTAGCTACTAGTCATTTGTTACTGAGC-----ACTTGACATGTATG										15451
PolarBear	-----										0
Cow	-----TCCAAA-----										15218
Dog	CTTCAAGCATCGTGA-----ATTTGGGGGGTCATAATCACTTCACGTCCACTTGCACTCATCTGTATCATACCTTTCTCTC										15217
BelugaWhale	-----										13193
Donkey	ATATGGTGTGTCTGTTTTCAAGTTGATTGGATATTGAC-----TT--GTTGCTTTCCTAAGTGGTTAGGCTAGTTTATACT										15152
Cat	AACCTAGCCACATCACAGTGAAAGAGCAAGCCATTAGACACACGGAAGAGCTTTAAAGCAGCCATAGAAAAACCAGATTT										17659
Ferret	AAGTCTCCATTTTCC-----AGATACCATGACATTGGGAGTTATAACTTCAGCATGTGAATTTTAGGCATCATTAAACGTT										15210
Lion	AACCTAGCCACGTACAGTGAAAGAGCAAGCCATTAGACACACGGAAGAGCTTTAAAGCAGCCATAGAAAAACCAGATTT										16256
Vaquita	TCGCGGTGCGCGGGCCTCTCACTGTGCGGGCCTCTCTTGCTGCGGAGCACAGGCTCCAGACGCGCAGAGCTCAGTATTTG										13491
Pig	-----TA-----										13217

Majority	CXXXX-A-XG-X--X-X-AX--TX--X--X---XX--CTT-XX--A--A---X---X-X---AXX-TG-TX-XXX-XT-X										
	18810	18820	18830	18840	18850	18860	18870	18880			
Human	TAGTTTAAGTTGATCTTCTACTTAATTGAAAAATACACATTTCTGAGCCTTAGTCTGAAAGAAGAATGTAAAATATCCCA										15531
PolarBear	-----										0
Cow	-----										15218
Dog	CCGTCCACTCCCCAGTAACCACTCTTGAATTTGGTGTGTTGATGCAGTACTGTGTAACCTTTCAATGTGTTATTTACTTTT										15297
BelugaWhale	-----										13193
Donkey	CCATTAGCAGTGAATGAGAATATCTGTTTCTGCACATCCTTTCTAATAATTGGCATTGTTGAACTTTTTAATTGTTGTCA										15232
Cat	CCCAAGAAGGAGT-AACAACGTAAAGATACAATACGCTTCTTCAGCAACATGGGGTCCAGAAGATGGTGAAATAGTAT										17738
Ferret	CAGTTCATTGCATCCTCCAT-ATACTTTCCCTCTATTTTACCTTAGGTAACCATTATCTTGAATTTGGTGTGTTACCTTT										15289
Lion	CCCAAGAAGGAGT-AACAACGTAAAGATACAATATGCTTCTTCAGCAACATGGGGATCCAGAAGATGGTGAAATAGTAT										16335
Vaquita	TAGCTCACGGGCCCAGCTGCTCCGTGGCACGTGGGATCTTCCCAGACCAGGGCTTGAACCCATGTCCCCTGCATTGGCAG										13571
Pig	-----										13217

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Majority	- XX- X- X- T- XT- - X- - XX- - TA- - T- - - - - X- T- - TX- X- TATTTTXXTTAAT- ATAATGTAAAAAGAAGTATAAXT	
	18890 18900 18910 18920 18930 18940 18950 18960	
Human	AGTTTTCATATTGGTTACATGTACAGCGGATAAATATTTTGGTAT- TTTGGGTAAATGAAATACATTATG- TGTGTTGCC	15609
PolarBear	-----	0
Cow	----- TAAAATTTTATA- ATAAAGCAGAGTCGGACACGACT	15254
Dog	TTGTTGTATGTTCAACAAAGATATATGGTT- - - TGTTTTTACATGGTTGAACTAGT- ATAGTATAATACTACAAAGAGAA	15373
BelugaWhale	----- AAAG- GATTTGTACAAAGAAGTATGTCT	13220
Donkey	TTCTTATGTACATGTGAATGGTACAT- - - - - TA- - - - - GATTGTTTTAATTTGAATTCGTAAGTATTAGTATT	15296
Cat	CTTCAAGGTGTTGAATGAAAATAACTACCTACATGTTATTTTGTAGTCCGCTAAATTATCACTTAAAGAGAAGAACAAAA	17818
Ferret	CCTGTGTATACTTTCCCTGTGTGTGTTGTT- - - TATCTTTTTGTATATTAAGCAAT- ATATGGTTTTGTTTTGCATGTTT	15365
Lion	CTTCAAGGTGTTGAATGAAAACAAGTACCTACCTGTTATTTTGTAGTCTGCTAAATTATCACTTAAAGAGAAGAACAAAA	16415
Vaquita	GCAGACTCTCAACCACTGCGCCACCAGGGAAGCCCTGTTTGTGAGTATTCTTAAAG- GATATGTACAAAGAAGTATATCT	13650
Pig	----- TTTATTTCTT- - - - - AAAACTAGATGAAGCATAAAA	13248

Majority	TAXTXATCTCATTAACX- - X- TTCTXTAXXAXCAGTAXCTTXXAATGXAATATAGATT- - GGATTTACTXATTATGTTAA	
	18970 18980 18990 19000 19010 19020 19030 19040	
Human	TTTTCTCTTTTTTCTTTCTTTTTTAAAGATAGGGTCTTGCTCTGTCCACCAGGCT- - GGAGTGCCGTGGCATGATCA	15687
PolarBear	-----	0
Cow	GAAGCGACTTAGCAGAA- - - - GCAGCAGCAGCAGTAT- - TAAAATGTAATATAGATT- - GGAGTTATTGATGATGAAAA	15325
Dog	AATGTGCCCTATGC- - - TTGTGTGTAGTCTCGGTAACCTTGCTTTCCTGTTAAATTA- TGTATTTTGGTATTTTTTTTA	15448
BelugaWhale	TGAAAGTCCAATTAATT- - - TTCTATAATAGAAATATATTAATAATTGAACATAAATT- - GGCATTACTGATGGTGGACA	13295
Donkey	TTCTTAGTTTTATTGGCCATTCTTGTTTCTTGCTGTTAAATGCTAGTTCATATAGTCTGTCCATTTTCTTTCTTTCTT- -	15374
Cat	TAGTTATTTTCAAGAAACCCCTTTTCCCTTACCCTCCCCCAAAAAAGGCAATTGAGGAAATTTATCAACAGACTCAGTGAA	17898
Ferret	AGCTTATGTCTGGGCCACATACTGTGTGTATTCTGTAACCTTGTCTTTCCGTTTGTAT- TAGTTTTACTTTTTAACCTAA	15444
Lion	TAGTCATTTTCAAGAAACCCCTTTTCCCTTACCCTCCCCCAAAAAAGGCAATTGAGGAAATTTATCAACAGACTCACTGAA	16495
Vaquita	TGAAAGTCCAATTAATT- - - TTCTATAATAGAAATATATTAATAATTGAACATAAATT- - GGCATTACTGATGGTGGACA	13725
Pig	CATACAGCTCTTCTGGA- - - - TCTCTAGCAAAAAGAA- - TGAT- TGCAATA- AAACT- - GATATTATCTCTT- - - - -	13310

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Majority	XGATATXTTTTGTTAATGAAGGTCCXGTCAAATTAATAACACCTGATXTXGAATTAACAGACTX- A- XXTAACGTTAACA								
	19050	19060	19070	19080	19090	19100	19110	19120	
Human	TGGCAGCCTCAACCTCCTGGGCTCCAGTGACCCTCCCA- CCTCAGCCTCCCAAGTAGCTGGG- - - - ACTACAGTTGTGT								15761
PolarBear	-----								0
Cow	AGAAATGTTTTGT CAGTGTAGGTCTTGTCAAATTA AAAACACATGATTTAGAATTAACAGAC- - - - - GA- GTTAACA								15396
Dog	CTTTATCTATGCCTATAACAACGTCTTCACTTCAGTGCCATCTGTACTTTGACTATATAAGTGTACCATAACCCTATTG								15528
BelugaWhale	AGAAAT- TTTTTTCAATGAAGGGCTTGTCAAATTA AAAGCACGTGATGTAGAATTAACAGACTAGAGTTGGCCTCTAACA								13374
Donkey	- TCTTTTTTTTGTGCTGAGGAAGATTAGCCC- - TGAGCTAACATCTGTTGC- CAATCTTCCGTCTTTTTTTTTCTTGTGGAAG								15450
Cat	GAATTTCTAGAGTTTATGCTGTAGGAAGAAAGCTGATGACTCCAGAAAGGAGGTTTGGGGTAGGAAAAGTAAGGTTAACC								17978
Ferret	TCTTATATGTGGCTCTAATTCATTGCT- - TTCATTGCCATTTGGTATGTGATTATG- - AGTGTACCATTACCCTATTG								15519
Lion	GAATTTCTAGAGTTTATGCTGTAGGAAGAAAGCTGATGACTCCAGAAAGGAGGTTTGGGGTAGGAAAAGTAAGGTTAACC								16575
Vaquita	AGAAAT- TTTTTTCAATGAAGGGCTTGTCAAATTA AAA- CACGTGATGTAGAATTAACAGACTAGAGTTGGCCTCTAACA								13803
Pig	- - - - - TTTTATTGATAAGTGACCCATAAGATTATCAGCACATT- - - - - GAAGCCAGACAC- - - - - CC- TTCCGGA								13369

Majority	ATGAA- - - - - TAAGGTAGTTTCTGAGTTTTXGTTTTTACACTTTGAGAATGX- TTTAACXGGXATTATXTC- AXAAGTTG								
	19130	19140	19150	19160	19170	19180	19190	19200	
Human	GCCACCACACCTGGCTAATTTTTGAGTTTTTTTTGTAGAGACAGCGTCTCGCTGTATCGCTTAG- GCTGGTCTCAAAC								15840
PolarBear	-----								0
Cow	TTGAA- - - - - TAAGGTAGCCTCTGAGTTTCAGTTTTACAGCTTTTAAAATGGGTTTAAACGGGACCTATTTTC- AAAAGTTG								15470
Dog	ACAAA- - TATTGAGGTGGTTTCCAGTTTTTCTGTTATAAATTGTGAGTAT- TATTTTGCATAT- ATCAATAAAAGTCA								15604
BelugaWhale	TTGAA- - - - - CAAGGTAACCTCTGAGTTTCAGTTTTTCAACTTTTAAAGATGGGTTTAAACAGGACCTACCTC- AGAAATTA								13448
Donkey	ATTAG- - CCCTGAGCCAGCATTGTGCCATTCTTCCCTCACTTT- - - - - TTATATGTGGGTTATCACCACAGCATG								15519
Cat	AAGAAGTTGGTAGGCCTGTGGGTAAATATAATTATTGACAGTATGAGAAAGT- GATAGCAGTGATTGTTTG- ATTTGGGG								18056
Ferret	ATAAA- - TACTGAGGTTGTTTCTAAATTTTTCTGTTACAAATTGTGAGTAT- TCTTGTGCATATTATCAATAATTGTTA								15596
Lion	AAGAAGTTGGTAGGCCGGTGGGTAAATATAATTATTGACAGTATGAGAAAGT- GATAGCAGTGATTGTTTG- ATTTGGGG								16653
Vaquita	CTGAA- - - - - CAAGGTAACCTCTGAGTTTCAGTTTTTCAACTTTTAAAGATGGGTTTAAACAGGACCTACCTC- AGAAATTA								13877
Pig	GTCAT- - - - - TAAATTA- TTCCTGAGTATGTGCT- - - - - A- - - - - TTTAACATGCACTATT- - - - - GATG								13418

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Majority	TXTT - - AAATTGAACTATA XGTAAAATAACTAG - - ATXATAGT GXGT XAXTG- CTCAATXXAGTTTGAXXTTGGATXTT	
	19210 19220 19230 19240 19250 19260 19270 19280	
Human	CCT - - GGGCTCAAGTGATCCTCCTGCT- TTAGCCTTGCAAAGTGCTGGGATTACAGGACTGAGTCTGGCCACCTTTTTTC	15916
PolarBear	-----	0
Cow	TCTTG - - ATTGAACAATATGTAAGAATTAGCACAAACATGGTACATAACTA- CTCAAATGATGGTGATGCTTTTTTATT	15546
Dog	CTTTTCAAATGTCTCTGGAATTGGAATCACTGG- - ATTTTAGTGTCTGTTTT- - TCATTTCAAGTTGA- - TTGGATATT	15677
BelugaWhale	TGTTGAAGATTGAATAATATGTAAGAATTTAGCACAGAATGGC- CGTAAGTG- CTCAAA- - - - - TGATGCTTGGTATT	13520
Donkey	GCT - - GAACGCTGGTGTAGGTCCATACCCAAG- - ATCTGAACCTGCGAACCCGGGCTGCCAAAGTGGAAATGTGCCGAA	15593
Cat	TTTAAGAAGTTGAACTAAAAATATTATAACAAC- - GTGTAAGAGAGTAGTTGAGTAACTGATGTTTAAGTTCTGATGCT	18133
Ferret	CTATTC AAGTTTCTCTGGAGGTGGAATCACTGG- - ATTGTAGTGTGTGTCTA- - T- - TTTCAATTTAG- - TTACATGTT	15667
Lion	TTTAAAAAGTTGAACTAAAAATATTATAACAAC- - GTGTAAGAGAGTAGTTGAGTAACTGATGTTTAAGTTCTGATGCT	16730
Vaquita	TGTTGAAGATTGAATAATATGTAAGAATTTAGCACAGAATGGC- CGTAAGTG- CTCAAA- - - - - TGATGCTTGGTATT	13949
Pig	TC- - - - - GGAAGAACA- GTAAAACA- - - - - AATAAGGTCTCCGCC- - CTCAAG- AAGCATGTGTTCTATTCTT	13477

Majority	G- - - TAGTTXTTTAAXXTGTAGXXCC- - CATTTAXTTGCTGCCCTTTATTAGTAGTCAATGXG- X- T- - - - -	
	19290 19300 19310 19320 19330 19340 19350 19360	
Human	TTTCTTTCTTTTTTTTTTAGACGGAGTCTCCCTTTGTTGCCCAGGCTGGAGTACAGTGGCTCTATCTCTGCTTCCTGCAA	15996
PolarBear	-----	0
Cow	A- - - TAGTTCTTTAATCTGTAAGTGAG- CGAGTAAGTGAAGTCGCTCAGTCGTGTCCGACTCTTTGT- - - - - G	15610
Dog	GATGTTATATTTCTAAGTGGTGTGTCAT- CACTTATATACTCCAA- - TACGAGTAGTGTGTGAGAATTCCTGTTTCTGTT	15754
BelugaWhale	G- - - TAGTTCTTTAATTTGTAAATCC- - TATTTAGAAGGAGCCCTTTATTAGAAGTCAACTTT- - - - -	13578
Donkey	C- - - TTAACCTCTATGCCACAGGGCTGGCCCTGTCCATTTTCTTTTTAATGTAGTTTTTATCTTTTTTC- - - - - TT	15661
Cat	TCTAATATTGTTTTGAGCTATGGTGTCC- ATTATAGTAGCCACTAGTCATACGTAGTCATTGAGCACTTG- - ACATATG	18209
Ferret	G- - - - - CATTTCTCAGTGGTGTAC- - - - - TAATTGATACTC- - TACTAGCAGTGTATGAGAAAT- - - - -	15720
Lion	TCTAATATTGTTTTGAGCTATGGTGTCC- ATTATAATAGCCACTCGTCATACGTAGTCATTGAGCACTTG- - ACATATG	16806
Vaquita	G- - - TAGTTCTTTAATTTGTAAATCC- - TATTTAGAAGGAGCCCTTTATTAGAAGTCAACTTT- - - - -	14007
Pig	A- - - GTGTCCTTGAATC- ACCAGTTTT- TAAAAGAGTGCTGTCATTTA- - - GTGGCA- - - - -	13526

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Majority   -- X- - TCTGAXTXTATTTTT- - - ATGTTACXCATTC- XTGGAXCTTTT- - A- X- - GTATA X- - A- XA- XGCXTGCTATTGT
              |           |           |           |           |           |           |           |
            19370     19380     19390     19400     19410     19420     19430     19440
Human      GCTCTGCCTCCTGGGTTCTCCTGCCTCAGCCTCCCAGTAGCTGGGACTACAGGCGCCTGCCACCAC 16072
PolarBear ----- 0
Cow      ATCCCATGGACTGTAGCCTACCAGGCTCCTCCTCCATGGAATTTCCAGGCAAGAATACT- G- GAGTGGTTGCCATTTT 15688
Dog      CTGTGTCTGCCCATATTCCTTGATACTGGGCAATA- GTTGGACTTTGTGTGCAGTTGTAA- - G- GACCCCGTTGAATGGT 15830
BelugaWhale ----- GAAGTTTTTATTTTT- - - TTGTTACTGATTTCTAGGAGTTTTT- - - - - ATATATT- G- - - - TGGGTAATAAAGC 13638
Donkey   AGTGATTCTAGGAGTTTTTGTATATTATGGACAC- - TAAAGCTTTGTTATATGTATTACAGA- TAACTCCTTCCTGTCT 15738
Cat      GCTAGTCTAAATTGATCTCCAGTTGTAAAATGTAC- ATAAACTTCCAAGACTTAGTAT- - - A- AAAAAAATGTAATTTT 18283
Ferret   - TGTCTGCACATCTTTTCTGATAATTGACATT- - GTTGGACTTTTAAATTGTCCGTCT- - A- AGGAACATGTTAATGG 15794
Lion     GCTAGTCTAAATTGATCTCCAGTTGTAAAATGTAC- ATAAACGTCCAAGACTTAGTATGATAA- AAAAAAATGTAATTTT 16884
Vaquita ----- GAAGTTTTTATTTTT- - - TTGTTACTGATTTCTAGGAGTTTTT- - - - - ATATATT- G- - - - TGGGTAATAAAGT 14067
Pig      ----- AGACTGGATCC- - - - AAGCTGCATCT- - - - - GCAACCTT----- TCGTACACC 13565

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Majority   TTTXTTATTTAXTTTTX- - AXT- - - - GGGTAXAAATAAAAATXTT- - TXCTXTXTTGTCTT XACTAATTTGCGXTACTG
              |           |           |           |           |           |           |           |
            19450     19460     19470     19480     19490     19500     19510     19520
Human      ACCCGGCTAATTTTTTGTATTTTAGTAGAGATGGGTTTTACCATGGTCTCGATCTCCTGACCTCCTGATCTGCCACCAC 16152
PolarBear ----- 0
Cow      TTTCTCCAAAAGATCTT- - CCCGACCCAGGGATCGAACCGAGGTC- - TCCTGCATTGTAGGCAGACGCTTTAC- CGTCTG 15763
Dog      TTATCTGTTTTAGTTT- - AATTCGGGAGTATGAATGATACATT- - TTCTTAGTT- - - - - CACTCATGTTTCTTCTC 15899
BelugaWhale ----- TTTGTTAGTTATATGT- - - - - GGTACAGATAAATTCCT- - TCCTGTCTGTGGCTTGATTTTTTGCATTGATG 13704
Donkey   GTGGCTTCTTTTTTTTACATTGAT- - GAATAGAAATTGGAAAGT- - TTTTTATTAAAGGTTGGCAACTGAGCAACAA 15814
Cat      ATATTTATTACATGTTAGTATTATTTGTGTTCAATAAAAATTGTG- - TTCTTTTTTGTCTTTTTAAAATATGGTTATTA 18361
Ferret   TGTCTTGTAAAGCTTG- - AATTCCTGAGTATGAATGATACATT- - TTCTTAGTTTATAGGCCACTAATGTTGTTACTC 15870
Lion     ATATTTATTACATGTTGATATTATTTGTGTTCAATAAAAATTGTG- - TTCTTTTTTGTCTTTTTAAAATATGGTTATTA 16962
Vaquita ----- TTTGTTAGTTATATAT- - - - - GGTACAGATAAATTCCT- - TCCTGTCTGTGGCTTGATTTTTTGCATTGATG 14133
Pig      TTG- - C----- AGCAA- - - - - TCCTGCATC- - - - - CTTAAC- CCACTG 13595

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Majority	GXAXXTAAX- - - CTAG- GXTTGXATXXAT- XXTTXT- - - - - - - - - - - TAATTGGXGAATXGGGGXTA- TGAAATTXXAX- C								
	19690	19700	19710	19720	19730	19740	19750	19760	
Human	GCATTTTAAAATCCTAAGGGTAAATGCAATAGAGATAGAACGCAAATAATTGGGGAGGGGGTTGACTGAAATTAAGAT								16391
PolarBear	-----								0
Cow	GAATTGTGGTACTAAAGCTTTGTTGTACAAGGTACAGA- - - - - TAAACTTCCTGTCTGTGGCTATTTTTTTTTTAA- T								15983
Dog	ATAGTTAACT- - - CCTGTCTGTGGCTGTTTTGTTTT- - - - - - GCATTGATGAACAGAAGTTG- - GAAATTT- AA- C								16105
BelugaWhale	-----								13741
Donkey	GCACCCAGGATCCAAACCAGTGAATCCTGGGCTGC- - - - - - CGAAGTGGAGTGTGCGAACTTAACCACTCAGCCAC								16025
Cat	CACAGTAAAT- - - ATAGGGATAGAATATATAACTTCTAAA- - - - - ATAATTGGAGAATGGGGTACTAAAATTAAG- C								18576
Ferret	ATGTCTATGG- - CTTGTTTTTTGTT- - - - - TTTTT- - - - - - TAATTGATGAATAGAATTTG- - GAAATTTTAA- C								16054
Lion	CACAGTAAAC- - - ATAGGGATAGAATATATAACTTCTAAA- - - - - ATAATTGGAGAATTGGGGCAACTAAAATTAAGAC								17178
Vaquita	GGGCCAGCCGCTCCGCGGCATGTGGGATCTTCCCGGAC- - - - - CGGGGCACGAACCCGCGTCCCCTGCATCGGCAG- G								14356
Pig	----- G- - - - - - - - - - - - - - - - - A- - - - - - - - - - - T- - - - - TTTAGTTTTAA- -								13687

Majority	ATXAXATTCAA- - - - - TTCXGGXTAAA- - - - - - - - - - - AAAXX- - AAATATGTTTTAAT- TTGAAGAAAT- TTTTATTAA								
	19770	19780	19790	19800	19810	19820	19830	19840	
Human	GTATAATCCAAAAGAAGGCAAAAAAAGGAAAGACACAAAGTGAGCTTATATGTTAATAGCGTGGAAAGGTTCTATGAA								16471
PolarBear	-----								0
Cow	TG- ATGGTTAGA- - - - - TTTGGAAATACT- - - - - - AAC- ATTAATTTGTTTTAGC- TTTAGGAAAT- TTGTATTAA								16045
Dog	ATCATTTTTATG- - - - - TTTTGGCTTAAG- - - - - - - AAAATAGATTTGGTCTTTAAA- CCTCACTCAG- GT- - GTTAA								16167
BelugaWhale	-----								13763
Donkey	GCGGCCAGCCAGAAAGTTGGAAATTTTA- - - - - - ACATCACATTTATGTTTTAGT- CTGAAGAAATCTTTTTTTTA								16094
Cat	ATCTAATCCAAAAGAATTGAGGGGGGAA- - - - - - AAAAGTAAAAAAGGTCAAAA- GTGAACTCAT- TTTAATGGT								18644
Ferret	ATCACATTTATG- - - - - TTTTGGTTTTAA- - - - - - GAAAT- - - - - TTTTCTTTAAC- TCGGGTTC- - - - - - TTAC								16106
Lion	ATCTAATCCAAAAGAATTGAGGGGGGAA- - - - - - AAAAGTAAAAAAGGTCAAAA- GTGAACTCAT- TTTAATGGT								17246
Vaquita	CGGACTCTCAAC- - - - - CACTGCGCCACC- - - - - - - AGGGAAGCCCTACGTTTTAGT- TTTAAGAAAT- CTTTCTTAA								14420
Pig	-----								13707

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Majority	A- - - - TTCAGGGT X T T T X A X T - T A T A G T X T T T T X G A X T T T A T T T T G A A X A T T T A A A A A T T T T G A T T T T - C A C A T T T A G G	
	<hr/> 19850 19860 19870 19880 19890 19900 19910 19920	
Human	GGGT T G T T T A G A G C C T T T A A G G G C A A A A T T T T C T T G T C T G G T T G C A G G A A A G A G T G G C A T T G T T T T T G T T C A C T T T T A A A	16551
PolarBear	-----	0
Cow	A- - - - TT- - - GATCTTTTA- - - TATAGTCTTCCAGATTTTATTTTGAACATTTAAAAATTTTGATTTT- CACATTTAGG	16113
Dog	C- - - - TACAGTAATTTCTGTTTGCCAGTTTTGATACAGTAGATTTTAT- TTGGAAAGTTTTGAAAGTT- TGTTTTTCAC	16240
BelugaWhale	A- - - - CTCAAGGTTTTATACTATATAGCCTTCTGGATTTTATTTTAAAAATTTTTAAATTTTGATTTT- CACATTTAGG	13837
Donkey	A- - - - CTCAGGTTCTTACA- - - TACAACCTTTGGGATTTTATTTTGAAGTTTAAAAATTTTGATTTTTTACGTTTAGG	16166
Cat	G- - - - TTAGGAAAGGTTTCGTTGGAGGGTTTCTTT- - - - CAGCCTTTAA- ATGTAGAATTTTGAAGGTA- TGGAGTTGGA	18713
Ferret	A- - - - TACGGTGACTTTATTTTGAAGTTTTTTT-----GAAATTTTTGGTTTT- CACATTTAAG	16160
Lion	G- - - - TTAGGAAAGGTTTCATTGGAGGGTTTCTTT- - - - CAGCCTTTAA- ATGTAGAATTTTGAAGGTA- TGGAGTTGGA	17315
Vaquita	A- - - - CTCAAGGTTTTATACTATATAGTCTTCTGGATTTTATTTTAAAAATTTTTAAATTTTGATTTT- CACATTTAGG	14494
Pig	----- GGT T T T A C A - - - T A T A G T C C T T T G G A C T T T A T T T T G A A A T T T T T T A A T T T T T A T T T T - C A T A T T T A G G	13772

Majority	G- C C T C A G T C T A C C T G X A A T T T A A T T T T T G T G T A X X - T X T T A X - A A A G - T T A A A T G A T T T T T T - X C - - X T T A T G G X T A A C	
	<hr/> 19930 19940 19950 19960 19970 19980 19990 20000	
Human	GCTACAAAACAAGTAATGATGAGGAAAATTGGGACATGTTGAGGAAG- - TAAGTAATTTTTTGGAA- TGTAGGTTGAGT	16628
PolarBear	-----	0
Cow	G- C C T C A G T C T A C C T T G A A A T T T A A T T T T A G T G T - - - - - G T T A T - A A A G G T T A C A T G G T T T T T T T C C C - C T T A T G G C T A A C	16185
Dog	A- T T T A A G G C C T C C T G G A A T T T A A G T T T T G T G T A G T A T A T G A - - A A A G G T T T A A T G A T A T T T T T T C T - - C T T A C A G A T A A C	16315
BelugaWhale	G- C C T C A G T T T A C C T G T A A T T T A A T T T T T G T G T A A - - - - - T G T G T T G T A - - - - - A A T G G C T A A C	13890
Donkey	G- C C T C A A C C T A C C T G G A A T T T A A T T T T T G T G T A G T G T A T G G T - A A A G A T T T A A T G A T C A T T C - - C - - C T T A T G G T T A A T	16240
Cat	C- T T A A T T T A A C C C T A A T T A T C T C C C A G A G T C T C C A T T T T C A A A T A C C A T C A C A T T G G G A A T T A C A A - T T T G A A T G T A T G	18791
Ferret	G- C C T C A G T C T A C C T G G A A T T T A A T T T T T G T A T A G T G T A T T A T C A A G G T T T A A A T G A T T T C T T C C C C C T T A T G G G T A A C	16239
Lion	C- T T A A T T T A A C C C T A A T T A T C T C C C A A A G T C T C C A T T T T C A A A T A C C A T C A C A T T G G G A A T T A C A A - T T T G A A T G T A T G	17393
Vaquita	G- C C T C A G T T T A C C T A T A A T T T A A T T T T T G T G T A A - - - - - T G T G T T G T A - - - - - A A T G G C T A A C	14547
Pig	- - C A T C A G T C T A C C T T G G A A T T T A A T T T T T G T G T A C T C T G T T G T - A A A G G T T T A A T G A T T T T T - - - C C - T T T A T G G T T A A C	13845

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Majority	AAATTTGGTACAAACTCA- ATTGAATAGTTCATGTTTT- - - - - CCCACTGATCTG- - - - - CAGTGT								
	20010	20020	20030	20040	20050	20060	20070	20080	
Human	TAGAGTAGTAGAAGACAAAATTTAAAAAGTAGTTTTTGACAGTAATATGGAGAGCTTTGAGTGCAAAGGATTTGCAGTGA								16708
PolarBear	-----								0
Cow	AAATTTGCTACAAACTTG- ATTGAT- - - TTCATGTTTT- - - - - CCTACTGATCTG- - - - - CAGTAT								16238
Dog	AAACTTTGTACCAACTTA- ATTGAATAGTTCGTGTTTTA- - - T- TTTCCCACTACTATAATCTT- GCCGTTTGTCACTCG								16389
BelugaWhale	AAATCTGGTACAAACTCA- GTTGAATGGTTCATATTTT- - - - - CCTACTGATCTG- - - - - CAGTGT								13945
Donkey	AAATTTAGTACCAACTCA- GTTGAATAGCTCATGTGTTT- - - - - TTCCACTGATGTG- - - - - CAGTGT								16297
Cat	AATTTTGGTGGTCATTAACATTTCAGTTCGTTGCATCCTA- - - TATTTCCCTCCACTTCCACCCCAGGTAACCGCTATCTT								18868
Ferret	AGATTTAGTATCCACTTA- ATTGAATAGTTCATGTTTT- - - - - TTCCCCAGT GATCTG- - - - - CAGTGT								16297
Lion	AATTTTGGTGGTCATTAACATTTCAGTTCATTGCATCCTG- - - TATTTCCCTCCACTTCCACCCCAGGTAACCACTATCTT								17470
Vaquita	AAATCTGGTACAAACTCA- GTTGAATGGTTCATATTTT- - - - - CCTACTGATCTG- - - - - CAGTGT								14602
Pig	AAATTTG- - AATAGTTCA- GTAG- - - - - TTCATGTTTTT- - - - - CCCACAAATCTG- - - - - CAGTGT								13894

Majority	TAGTTGTC- - AGGTTXCCAT- ATATGTGTGAAACTGTCCCTGGGCTATCTCTTCTGTTTCATTGTTTGTXTCTTTC- - - -								
	20090	20100	20110	20120	20130	20140	20150	20160	
Human	GGACCTTTGAAAATTGAACCTGCTTTCTCCTATCAGTATTTATGTTTA- - AATAAACTTGATTCTTTGTGAGTATTGTTA								16786
PolarBear	-----								0
Cow	TAGTTGTC- - GTGTTGCCAT- ATATGTGAGAAACTT- CCCTGGGCTATCTCTTCTGTTTCATTGTTTGTGACTATCG- - -								16311
Dog	CTGTTATC- - AGGTTGCCAT- ATATGCATGGAACTATTTCTGGGTTA- - - - - TCTGTTTTATTGTTTGTCTTTTCC- - - -								16457
BelugaWhale	TAGTTGTC- - AGGTTTCCAT- ATATGTGTGAAACTTCCCTGGGCTATCTCTTTTGTTCATTGTCTATTAATGTC- - - -								14018
Donkey	CAGCTGTC- - AGATTTCTGTTATATGCATGGAACTG- TTTT GAGCTATCTCTTCTCTTTTATTATTTATCTATTCCTGTA								16374
Cat	GAATTTGG- - TGTTTGCCAT- TCCTGTGAATGTCTGTACTTTCCCTGTGTG- TGTTATTTATGTTTGTGT CATAA- - - -								18940
Ferret	CAGCTCTC- - AGGTTTCCAT- ACATGCATGGAACTGTTTCTGGACTATCTATTCTGTTTCATTGTTTATTTGTACC- - - -								16370
Lion	GAATTTGG- - TGTTTGCCAT- TCCTGTGAATGTCTGTACTTTCCCTGTGTG- TGTTATTTATGTTTGTGT CATAA- - - -								17542
Vaquita	TAGTTGTC- - AGGTTTCCAT- ATATGTGTGAAACTTTCCCTGGGCTATCTCTTTTGTTCATTGTCTATTAATGTC- - - -								14675
Pig	TTGCTGTC- - AGGTTTCCAT- TTA- GTATGAAACTTTCCCTGAGCTATCTGTTATGTTTCATTGTCTTTTCTGTC- - - -								13966

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Majority	-- X- XX- - ACAATGTCTTAATTTAATGTAGCATCXXAGTAAXTTTTGG- - - XXAATCTTGXAGXGTG- XATTTTXXCAACT								
	20170	20180	20190	20200	20210	20220	20230	20240	
Human	TATATGTTTTTATAACTACTGTTGTAGTAACGTTTCTTTTTTTTTACTAGCTTGCTTTCATGCCACGCTGTTGATTAAAT								16866
PolarBear	-----								0
Cow	CTATCAATACA- TGTCTTAATTTAATGTAGCATCATGATAAATCCTGGC- TGAATTTTGGT GAGTA- AATTTCCAACT								16388
Dog	----- ACAGTGTCTTAATTTACTGTAGCGTCTTGGAGTCTTGTGGA- ATGATTTTACAATA- - TGTTCTTCAAAA								16526
BelugaWhale	TTACTACCCAAATGTCTGAATTTAATGTGGCATCACAGTAAGTTTTGG- - - - AATCTTGGAGAGTG- AATTTTGCAACT								14092
Donkey	CCAGTACCACAGTGTCTTAATTTAGTGTAGCATTACAGTAAATCTTGG- - - - AATCTCGTAGAGTG- AATTTCCATAACT								16448
Cat	----- GCAATATATGGTTTTGTTCTA- CATGTTTAACTATGTATATGTGCCACATGCTGCTTG- TATTCTCTAACT								19010
Ferret	----- ATTGTGTCTTAATTTACTGAAGCATCTTGGAACTTTGTGGG- GTGAATTTCCAACTT- - TGTTCTTCCAGAA								16439
Lion	----- GCAATATATGGTTTTGTTTTA- CATGTTTAACTGTGTATATGTGCCACATGCTGCTTG- TATTCTCTAACT								17612
Vaquita	TTACTACCCAAATGTCTGAATTTAATGTGGCATCACAGTAAGTTTTGG- - - - AATCTTGGAGAGTG- AATTTTGCAACT								14749
Pig	CCACTACCACAATGTCTTAACCTAATGCAACATCACAGTAAGTCTTGA- - - - AATCTTGGAGAGTA- AATTTTCCAAC								14040

Majority	TTXT----- TTTTTTXXXCATTTTCTTTATT- - ATATXTTTTTTAAG- ATCAGTTGGCTAX- - GTTCCATGAAGA								
	20250	20260	20270	20280	20290	20300	20310	20320	
Human	ATTTATGGGCCATTTTAAAGGCTTCTAATCTTCATTTGTGATGAACTTTTGGAGGAAGAGTTAGGTTTTGTAAGTGTGAACT								16946
PolarBear	-----								0
Cow	T----- TT- CTTAAAAACTGTCCTTG- - - GCATTTTTTTTTCAT- - - TTATTTATATA- - - - TACA- - AATA								16441
Dog	TTGT----- CTTGA- - - - CTTTTTCTTTATC- - ATGTG- TATTTTAAAG- ATCAATTGGCTG- - AGTTCCATGAAGA								16587
BelugaWhale	TCAA- - - - - ATTGTCTTGGCATTTTCTTCACTGTATATATATTTTTAAG- ATCAGTTGGCTAA- - GTTCCATGAAGA								14162
Donkey	TTGTTCTTCAAATTGTCTTGGCATTTTCTTTAAC- - ATAGG- TATTTTAAAG- ATCAGTTGGCTAA- - GTTCCATGAAAA								16522
Cat	TGTT----- CTTTTTGTTC AATGTTATTATT- - TTTTAAATTTTTTAAAC- GTTTGTACTTTTGGAGAGCACAAA								19078
Ferret	TTGT----- TTTGAAGAACATTTTCTTTATC- - ATGTG- TATTTTAAAG- ATCATTGGCTG- - AGTTCCGTGAAGA								16504
Lion	TGTT----- CTTTTTGTTC AATGTTATTATT- - TTTTAAATTTTTTAAAC- GTTTGTACTTTTGGAGAGCACAAA								17680
Vaquita	TCAA- - - - - ATTGTCTTGGCATTTTCTTCACTGTATATATATTTTTAAG- ATCAGTTGGCTAA- - GTTCCATGAAGA								14819
Pig	T----- TC- CTTTAAATTGTC- TCG- - - - GCATTTTCTTTAAG- ATCAATTAATAA- - GTTCTA- - AAGA								14097

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Majority	CXTTXXAGGTTTTGATTXAA- - TGTACTAAATTTATAAGTTAATTGGG- - - TXXXGTATTTGCATTATCAA- AAAATAA								
	20330	20340	20350	20360	20370	20380	20390	20400	
Human	TCCAATAAACACAGTTCCAC- - TTTCTTAACTTCTCAGAAAGATACTTTGCTATTTGATACAGATAGTTGTCTAGGCAA								17024
PolarBear	-----								0
Cow	TATATATGTGTTTGTGTGTA- - TATACAAGAT- - - AAGGTGGCTGGG- - - TTCCATGAAGACTTTT- - - - GATTTTT								16506
Dog	CACTTTGGGTTTTGATTAAA- - TTGACTAAGTTTATAAGATAAATTGGG- - - GGGAGTATTTACATTATCAATAAAAATAA								16661
BelugaWhale	CTTTTCAGGTTTTGATTATAGTTGTTACTAAATTTATAAGTTAATTGGAGA- GTATTGTATTTGTATTATCAAAAAAATAA								14241
Donkey	CTGTTTGGGTTTAAATTGCA- - - - - CTAATTTGTCTGTTAATTGAGGAAGTGTTGTATTTGCATTATCAA- TAAATAA								16595
Cat	CAGGGGAGGGGCAGAGAGAG- - AGGGAGAAACAGAATCTGAAGCAGTC- - - TCCAGGCTCTGAGCTGTGAGCACAGAAC								19152
Ferret	C- TTTGGGTTTCTAGTGTAT- - TGCACTAAGTTTATAAGATAAT- GGG- - - GGGAGTATTTACATTACCAATACAATAA								16576
Lion	CAGGGGAGGGGCAGAGAGAG- - AGGGAGAAACAGAATCTGAAGCAGGC- - - TGCAAGGCTCTGAGCTGTGAGCACAGAAC								17754
Vaquita	CTTCTCAGGTTTTGATTATAGTTGTTACTAAATTTATAAGTTAATTGGAGA- GTATTGTATTTGTATTATCAAAAAAATAA								14898
Pig	GTTTTCAGGTTTTGATTATAAATTGTATTAATTTATAAGTTAATTGGGA- GTACCATATTTGCATTATCAA- AAAATAA								14175

Majority	GATG- - - GCAGTGCTTGAGCTCAXAGTGAXAGATTXCTTATAACAT- - - - - TTCTTXCX- - - - TXATTTXC								
	20410	20420	20430	20440	20450	20460	20470	20480	
Human	GCTATTAGCAGGGTTTTCAGGTAAGACATATGTGTTTGCTATTTGTTTTAA- - - - - GCACTCTTCCC- - - - TCATTTAT								17093
PolarBear	-----								0
Cow	GATT- - - GTAGTTGT- - - - ACTACATTTATAAATTAATTGGAGAGC- - - - - ATATTTTC- - - - - TTCT								16556
Dog	GATG- - - GCAGTACTTGAACCTCAGAGGGAGAGA- - - ACTATAACGT- - - - - TTTTTTTTTGAAAATTTAC								16721
BelugaWhale	GATG- - - GCAGAGCTGGAGAGAACAGTGATACTTTTCTTTGAAGAA- - - - - TTTTTCCT- - - - TTACTTCT								14300
Donkey	GATG- - - ACAATGCTTGAGCTCAAAGACAGAGA- - - AGTATAACAT- - - - - TTCTTT- - - GAAGAATTTTC								16652
Cat	CTGAT- - - GCAGGGCTTGAACCTCTGACTGTGAAATAGGTCATGACCTGAGCCAAAGTCAGATGCTTAACCAACTGAGCCAC								19230
Ferret	GATG- - - GCAATACTTGAACCTCAAAGGGAGAGA- - - CCTATAACAT- - - - - CTCTTT- - - GAAAATTTTA								16633
Lion	CTGAT- - - GCAGGGCTCGAACTCTGACTGTGAGATAGGTCATGACCTGAGCCAAAGTCAGACGCTTAACCAACTGAGCCAC								17832
Vaquita	GATG- - - GCAGAGCTGGAGAGAACAGTGATAGTTTTCTTTGAAGAA- - - - - TTTTTCCT- - - - TTACTTCT								14957
Pig	GATG- - - GTAGTGCTTGAGAGAACAAATGATATATTTCTTTGAAGAA- - - - - TTTTCCCC- - - - TTATTTCC								14234

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Majority	CCATGTTXTTTTAXXTT-T- - - X- - - X- XATXCTTAXTGXAGAXA- CTTAATGCTTTAGGCAAAAAGGAAAAT	
	20490 20500 20510 20520 20530 20540 20550 20560	
Human	TCAAATTGTAGCAAACATCTACTACACCCATTTCCAGTTCCTTGTCTTAATAGTTCAACTATTATAAAAAGGAGTGGTAT	17173
PolarBear	-----	0
Cow	CCATGATATTTTCTTT- - ATT- TG- T- AAAA- - GACATGCTCAATGCAGAAA- CTTGATGCTTTAGGCAAAAAGGAAAAT	16628
Dog	CTCTGTTTTTCTGTGTAATATTTTCT- - - - - CTAATTATA- GAGGTTATG- CTTAATGCTTTAGGCAAAAAGGAAAAT	16792
BelugaWhale	CCATACTATTTTGTFTA- - - - - ATGCTTAATGCAGAAA- CTTAATGCTTTAGGCAAAAAGGAAAAT	14360
Donkey	CCCCTTCTTTCTCATGATGTTCTAATTATGAAAGACATGCTTAACATAGAAAACCTTATTGCTTTAGGCAG- - AGGAAAAT	16730
Cat	CCAGGTCCCCATTTTGTFTTTTTTTTTAACCACGTTTACATGTGGCTCTA- ATTCAATTTTCATTGCCATATGGTATAT	19309
Ferret	CTCT- TTCTTCCATATAACATTTTCT- - - - - CTAATTATA- GAGGTTATG- CTTAATGCTTTAGGCAAAAAGGAAAAT	16703
Lion	CCAGGTCCCCGTTTTTGTFTTTTT- - - TAACCAGGTTTACATGTGGCTCTA- ATTCAATTTTCATTGCCATATGGTATAT	17908
Vaquita	CCATACTATTTTGTFTA- - - - - ATGCTTAATGCAGAAA- CGTAATGCTTTAGGCAAAAAGGAAAGT	15017
Pig	CTATGATTTTTTTTTTAATTATA- T- AAAA- - AGCATGCTTGATGCAGAAA- C- - AGCGTTTTAGGCAAAAAGGAAAGT	14307

Majority	AAATTA- - - - CCGTAATTTTACCAAAGCTAATCAGCATTGTATGTA- - - - CTTCCCATCATTTT- XCCTATATXTTA	
	20570 20580 20590 20600 20610 20620 20630 20640	
Human	ATATATA- - - - TATAAACTCTTGCTTGGCTTTGGTTTGATTGAATTAATA- - - - AGGTGAGTTTTTTTTGTTTGTGTTGTTT	17246
PolarBear	-----	0
Cow	AAGTCA- - - - - CTGGCAGTTTTACCAAAGCTAAT- - GCATTGTA- - - - - CTTCCCATCATTTG- TCCTACATGTTG	16691
Dog	AGATGAC- - - - - CGGAGACTTTACCCAAGTTAATCAGCACCATACGTA- - - - - CTTTCGCATCATTTT- TGCTACATATCA	16861
BelugaWhale	AAATTAATTCAGTACTGATAATTTTACCAAAGCTAATCAGCACTGTATGTA- - - - - CTTCCCATCATTTT- CCCTATATGTTA	14434
Donkey	AAAATAAACACCAGTAATTTTACCAAAGTTAATCAACATTGTATGTA- - - - - CTTCCCTATCATTTT- - CCCTATGTTA	16803
Cat	GATTATGTG- - - AATGTACCTTACCCTA- CTGACAAATATCGAGGTTG- - - - - TTTCTAATTTTTTCTGTTATAAATTA	19380
Ferret	AAATTAAGCAACAGTGATTTTACCCAAGTTAATTAGCACTATACGTA- - - - - CTTT- CATCATTTT- CCCTGTGTATTA	16776
Lion	GATTATGTG- - - AATGTACCTTACCCTA- CTGACAAATATTGAGGTTG- - - - - TTTCTAATTTTTTCTGTTATAAATTA	17979
Vaquita	AAATTAATTCAGTACTGATAATTTTACCAAAGCTAATCAGGACTGTATGTA- - - - - CTTCCCATCATTTT- CCCTACATGTTA	15091
Pig	AAAT- - - - - CCGTAATTTT- CCAAAGCTAATCAGCATTGTATGTACCTCCCATCCCATCATTTT- CCCTACATATTA	14378

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Majority	- - - - CAAGXATTTTAAACAGCT - - TATGTGTAAXGXATGAGGAAAGAGAGATGCTTXXXX- - - - - AATAGTTCXATTTT C									
	<table border="1"> <tr> <td>20650</td><td>20660</td><td>20670</td><td>20680</td><td>20690</td><td>20700</td><td>20710</td><td>20720</td> </tr> </table>	20650	20660	20670	20680	20690	20700	20710	20720	
20650	20660	20670	20680	20690	20700	20710	20720			
Human	TGAGATGGAGTCTCGCTCTGTTGCCAGGCTGGAGTGCAGTGGTGGGATCTCGGCTCACT- - - - - GCAGGCCATTCTC	17319								
PolarBear	- - - - -	0								
Cow	- - - - CAAGGATTTTAAACAAC- - TGTGTGAAGGCATGAGGAAAGAGAGAGCCTTTTTTTTGGACAAATAGTTTGGATTTT	16765								
Dog	- - - - TAAGAATTTTAAAGCAGCACATATATGTAAGGGTGAAGAAAGAGGGATACTTTG- - - - - AATAGTTCATTTT	16929								
BelugaWhale	- - - - GAAGGATTTTAAAAGCT- - TATGTGTA- GGCATGAGGAAAGAGAGATGCTTCTTT- - - - - GCCAGTTTGGATTT	14501								
Donkey	- - - - CAAGAATTTTAAAGCAGCT- - TATGTGTAAGGAATGAGGAGAGGGGGATACTTCTTT- - GACAAATACTTCATTTT	16875								
Cat	CTGCTGTGAGTATTCTTGTGCATGCATTAATAAATGCCACTATTCAGGTTTCTCTGGAAGT- - - GGAATTGCTGGATTAT	19457								
Ferret	- - - - CAAGGATTTTAAAGCAGCT- - TATATGTAAGGGTGGAGAAAGAGGGATACTTTGAC- - - - AAATAGTTGAATTT	16845								
Lion	CTGCTGTGAGTATTCTTGTGCATGCATTAATAAATGCCACTATTCAGGTTTCTCTGGAAGT- - - GGAATTGCTGGATTAT	18056								
Vaquita	- - - - GAAGGATTTTAAAAGCT- - TATGTGTA- GGCATGAGGAAAGAGAGATGCTTCTTT- - - - - GCCAGTTTGGATTT	15158								
Pig	- - - - CAAAGATTTTAAACAGCT- - TAGGTGTAAGGCATGAGGAACAAGAGATGCTTTTTT- - GACATATAGTTCAGTTT	14450								

Majority	TT- CCAAAGTTATT- - - - GXTTTATTX- XT- XT- - - - - X- - - - - X- - - - - ATX- - AGTXTT- - TTTXTATAG									
	<table border="1"> <tr> <td>20730</td><td>20740</td><td>20750</td><td>20760</td><td>20770</td><td>20780</td><td>20790</td><td>20800</td> </tr> </table>	20730	20740	20750	20760	20770	20780	20790	20800	
20730	20740	20750	20760	20770	20780	20790	20800			
Human	CTGCCTCAGCCTCC- - - - - CGAGTAGCTGGGACTGCAGGTGCCTGCCACACACCTGGCTA- - ATTTTTTGTATTTT TAG	17392								
PolarBear	- - - - -	0								
Cow	TT- CCAAAGTTATTTTTTTCAGATTTATTCTTTTTAAT- TGGAGGATAATTGTCTCTCAATAT- AGTATTGGCTTCTGCAA	16842								
Dog	CT- TCAAAGTTACT- - - - - GGTTTATTTAGTGTTTTTCTG- - - - - CTGAAAATCATGTTTTTATTG- - GGCTTCAGATTTCTCAG	16998								
BelugaWhale	TTTCCAAAGTTATT- - - - - GATTTATTC- - - - - A- - - - - GTACT- - TTTCTATT-	14538								
Donkey	TT- CCAAAGTTATT- - - - - GTTTATTC- - - - - ACTACT- - TTCCTAGAA	16911								
Cat	AT- TGTGTGTCTGT- - - - - TTGCAAGTTGATATTGACACGTTGCATTCTAAATGGTTGTGCTAATTTATACTTTACTAG	19531								
Ferret	TT- TCAAAGTTAGT- - - - - GGTTTATTCAGTGTTTTTCTG- - - - - CTAGAAAATTAGGTTTTACTG- - GGCTTCAGATTTCTCAG	16914								
Lion	AT- TGTGTGTCTAT- - - - - TTGCAAGTTGATATTGACATGTTGCATTCTAAATGGTTGTGCTAATTTATACTTTACTAG	18130								
Vaquita	TTTCCAAAGTTATT- - - - - GATTTATTC- - - - - A- - - - - GTACT- - TTTCTATT-	15195								
Pig	TT- CTAAGATCATT- - - - - GATTTATTCAGT- - T- - - - - ATTC- AGTACT- - TTCCTACAC	14495								

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Majority	XATTGTX- - - - - XX- - - - T- X- - X- - - - - - - - - - - XX- - - - G- - - - XX- - - - - - - - - - - X- X- TX								
	20810	20820	20830	20840	20850	20860	20870	20880	
Human	TAGAGATGGGGTTTCAACCGTGT TAGCCAGGATGGTCTAGATCTCCTGACCTTGTGATCCGCCCGCCTCGGAAATACTTTG								17472
PolarBear	-----								0
Cow	TACAACAACATGAATCAGCCATAGGTATACATGTCCCCTCCCTCTTGATCCATGCTCCCACCTCTCATCAAAGTTTACTG								16922
Dog	AATTGTATAACATTTTTTAAATTCTCCTCT- - - - - - CATATTCTGTTTATTTCTCTTGTCAGAGAGCTTATTTTATTA								17070
BelugaWhale	-----								14538
Donkey	AATTAT- - - - - - CT- - - - - -								16919
Cat	CAGTGTATGAGAATTCTTGTTTCTGTACGTCT- TCTCTGATAATTGGCGTTGTTGGAATTTTTAATTGTCAGACTGAGGA								19610
Ferret	AATTGTATAGCATTTGTATTGCTGATATTA- ATATTTATATTCTGTTTATTTCTCTTGTCAGAGA- - - CATTCTACTA								16990
Lion	CAGTGTATGAGAATTCTTGTTTCTGTACGTCT- TCTCTGATAATTGGCGTTGTTGGAATTTTTAATTGTCAGACTGAGGA								18209
Vaquita	-----								15195
Pig	CATTAC- - - - - - CTG								14504

Majority	XTTGTXXAXXXX- TCAGXTTTTTX- - - - - - - - - - - AGAATTTTATAGCATTTTTTTAATTCTCXCTTTTTATA- TTTT								
	20890	20900	20910	20920	20930	20940	20950	20960	
Human	CATTGTTGGATTGATTGGGTTTGAGCCCCT- - - - - - - - GTTGTACTTAAGTATTATGAACAAGTCTTTTATAATCTGA								17543
PolarBear	-----								0
Cow	ATTTATTCGGTTATTCAGTACTTTGCTAT- - - TTTC- - AGAATTTTATAGCATTTTTTTAATTCTCCCCTTTTTTA- TTTT								16996
Dog	GTCTGTACAAAGA- CCAGCTTTTC- - - - - - - - - - - - CATAATTCTTTAATC- TCTGTTTTTATCATTIT								17125
BelugaWhale	----- T- - - - - CCC- - - - - - - - - - - AGAATTTTATAGCATTTTAAAATTCTGCCTTTTTAAA- TTTT								14583
Donkey	GTTTACTGGGTT- - TCATATTTCTC- - - - - - - - - - - AGAATTGTATAGCAGTTTTGAATTCTCTCCTTTGTTTCTCC								16984
Cat	ACATGTGAATAGATCTCTTGTTTACTTTGAATTTTCCCTGAGAATGGATACATTTTCTTATTTATAGGCCATTCTTGTTAA								19690
Ferret	GTCTGTACAAAGAACCAACTTTTCTATTTTTTTTT- - - - - GTTTCCATAATTCATTAGTC- TCTGTTTTTATC- TTTA								17062
Lion	ACATGTGAATAGATCTCTTGTTTAGTTTGAATTTCCCTGAGAATGGATACATTTTCTTATTTATAGGCCGTTCTTGTTAA								18289
Vaquita	----- T- - - - - CCC- - - - - - - - - - - AGAATTTTATAGCATTTTAAAATTCTCCCTTTTTAAA- TTTT								15240
Pig	TTTTATTGAGTT- - TGAGATTTCTG- - - - - - - - - - - AGAATTTTATAGCATTTTTTTAATTCTCCCTTTTTAAAAGTTTT								14569

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Majority	TTTTCTCATTACAXATTTATATTTTA- - - TXTTTTT- XXTTTTATTTTT- - - - CTTXTXAAAGACCTTATTTXACXGGTT								
	20970	20980	20990	21000	21010	21020	21030	21040	
Human	ATTTCCCTTTCTAGTTTGTAATATTGAGGATAA- TAATTTCTAACTTGCATGATTGTTGTGAAGATTAATAAGACAAT								17622
PolarBear	-----								0
Cow	TGCTAAAAGCACATATTCATATTTTA- - - TCC- - - - - TTTAATTTTT- - - - CTTGTCAGAGGCCTTATTTTACTGGTT								17062
Dog	TTTTCTCACACTAGATTAATTTTGTC- - - TTTTAGTACACTTTAGATCCTGAACTCATTGACTTTCTTGTTTAAAAAATG								17202
BelugaWhale	TATTAACAGTACACATTCATATTTTA- - - TCCTTTTGCTTTTTTTTTTTTTCTTTCTTATCAGAGACCTTATTTTACTGGTC								14660
Donkey	TGTAATAATTTAAACAT- - - CTGTA- - - - - - - - - - - TTTTCTTTCT- - - - CTTGTCAGAGACGTTATTTTATTGGTC								17044
Cat	ATACCTGTTTCATGGATATAGTCTATCCATTTTCTTTTTAATGTAGTTTTTATCCTTTTTTAAATTGTTTCCTAGGAGTTT								19770
Ferret	TTTTTTTTGCTTCATGCCAGACTTGTT- - - TTTTAGTCCACTTTAGATCCTGAACTCATTGACTTTCTTGTTTAAAAAATA								17139
Lion	ATACCTGTTTCATGGATAGAGTCTATCCATTTTCTTTTTAATGTAGTTTTTATCCTTTTTTAAAGTTGTTTCCTAGGAGTTT								18369
Vaquita	TATTAACAGTACACATTCATATTTTA- - - TCCTTTTGCTTTTTTTTTTTT- - - TCTTATCAGAGACCTTATTTTACTGGTG								15314
Pig	CATTAATATTTTCGTATGTGTATTTTA- - - CCCATTT- - - TCTTTGTTTTT- - - - CTTGTCAAAGACCTTATTTTACTGGTC								14640

Majority	TTTTCAAAGTACCAGCTTTTGX- AATTTTTXTTTTTTGTTTCATXTTTACTAATTTCTGTTTTXTCTTTTTTTTTTCCA								
	21050	21060	21070	21080	21090	21100	21110	21120	
Human	GATAT- TGGTAGGAGCTCTTTATAATCTTTCTCTCTTATGTACAATTCAAATATATGTCGGTTTAAATACCAAATACCA								17701
PolarBear	-----								0
Cow	TTTTCAAAGTACCACCTTCTGT- AATTTTTTTT- - CATATTTCA- - - - - - CTAATTTCTGTTTTTATCTCTTTCTACCCA								17132
Dog	TGTTCAAGATTAAGGAAGATTA- GGTGATACTTTTGAGAATAAGGTTTTTTTTTTTTTTTTTTTTCTTTAATGATAGTCACAG								17281
BelugaWhale	TTTTCAAAGTACCAGCTTTTGTTAATTTTTTTTTGTTTGTTTCATGATTCACTAATTTATGTTTTGTCTTTTTTTGCCCCA								14740
Donkey	TTTTCAGAGAACCAACTTTTGA- ATTTTTTTTTGTTTTGTTTCGTAATTCACTAATTTCTATTTTTATCTTTCTGCTTC- A								17122
Cat	TATACATTATGGGCCGTAAAGC- CATGTTACTTACATACATTAACCTCTGTCTGTGGCTTGTGTTTTTTTTTTTTTTTTTT								19849
Ferret	CATTCAAGATGAAGGAAGATTA- GGTGATACTTTTGGCAATAAGTTTTTGTCTTTAGAGGTCTCTTT- - - - - - - - - - -								17205
Lion	TATACATTATGGGTCCTAAAGC- CATGTTACTTATGTACATTAACCTCTGTCTGTGGCTTGTGGTTTTTTTTTTTTTTTTC-								18447
Vaquita	TTTTCAAAGTACCAGCTTTTGTTAATTTTTTTTTGTTTGTTTCATGATTCACTAATTTATGCTTTTGTCTTTTTTTGCCCCA								15394
Pig	TTTTCAAAGTACCAGCTTTTGTTAATTTTTTTT- - TTTGTTTCATAATTCTCTAATTTCTGTTTTTATCTTCTGCTTTC- -								14716

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Majority	- XCTAGATAXATTTTGGTA- ATT- X- XA- - TTTTATGTATACTTTA- - - - - A- X- - - - - XATXCTGAACATGTTT								
	21130	21140	21150	21160	21170	21180	21190	21200	
Human	CTTTAAAAAATCTGGGCTGAAATGGACACTTCTAATGTAGGAGTAGTGCTTTAGAAAATAATGCTTTGTTTCGTATTCTT								17781
PolarBear	-----								0
Cow	- GCTAGATTTGTTTTATTA- - - - - TTTTTTGTC- ACTTT- - - - - A- - - - - CATGCTGAACATGTTT								17181
Dog	AGAGAGAGAGAGAGGGGCAGAGACACAG- - GCAGAGGGAGAAGCAGGCTCTATGCACCGGAAGCCTGACGTGGGATTTGA								17359
BelugaWhale	CACTAGATCTATTTTACTGTATT- ATTA- - TTTTTGTCTACTTTAA- - - - - ATT- - - - CCATCCCGAACATGTTT								14804
Donkey	CGCTAGATTTGTTCTAGTG- - TT- - - A- - TTTTTGTCCACTTTAA- - - - - AGTAG- - - ATCCTGAACTTGTTT								17181
Cat	AATTGAATAGAATTTGGAAATTTCACTG- - TCACATTTATGTTTTAGTTCTAAGAAATTTTTCTTTAACTCAAGATCTTA								19927
Ferret	----- TAA- - GTTGAGAAATAATC- - - - - - - - - - - - - - - - GACATATAATGCTG								17236
Lion	- GTTGAATAGAATTTGGAAATTTTAATG- - TCACATTTATGTTTTAGTTCTAAGAAATTTTTCTTTAACTCAAGATCTTA								18524
Vaquita	CACTAGATCTATTTTACTGTATT- ATTA- - TTTTTGTCCACTTTAA- - - - - ATT- - - - CCATCCCGAACATGTTT								15458
Pig	- ACTAGATTGATTTTGTTACAT- - - - - TTTTCTGTTGACTTT- - - - - A- - - - - TATCCTGAACACATTT								14769

Majority	XTTTTCGTGTTTAAAAXTGCTXTC AAGATXAAGAAAXATXAGTTXATAXTTTGGXCA- - - - GTAAGCTTTGAATTTTAGA								
	21210	21220	21230	21240	21250	21260	21270	21280	
Human	TTCCTAGTATTTTATGTCTAGTAACTCATAAGGAAAAAATGATCAGATAAGTATATTTT- - - TTAGATGCTGATTACAGC								17858
PolarBear	-----								0
Cow	ATTTTCTTATTTAAAATGCATTTAAGATTAAGAAAAATCAGTTGATACGTTTGGCA- - - - GTAAGCTTTGATTTGTAGA								17257
Dog	TCCCGGGTCTCCAGGATCGCGCCCTGGGCCAAAGGCAGGCGCTAAACCGCTGCGCCACCCAGGAATCCCTGAGAATAAGT								17439
BelugaWhale	A- - - - - AAAATGCATTCAAGGTGAAGAAAGATCAGTTGATAGTTTGGGCA- - - - GTAAGCTTTGACTTTTAGA								14868
Donkey	ATTTTCCTGTTTAAAATGCAGTCAAGATTAAGAAAGATCAGTTGATACTTTGGCGT- - - - TAAGTTTTGACTTTTAGA								17256
Cat	TATATAGTGGTTTTTGTGATGAAAGTTTTGAAATTTTGGTTTTTACATTTAGGGCCTC- - - AGTCTACCTGGAATTTAAC								20004
Ferret	TTTCACATGTACAGCATAATGATTTGATATATGTGTATGTTATAAAACAGT- - - - - TACCTGAGTAGGTTT								17302
Lion	TATATAGTGGTTTTTATCATGAAAGTTTTGAAGTTTTGGTTTTTACATTTAGGGCCTC- - - AGTCTACCTGGAATTTAAC								18601
Vaquita	ATTTTCTTGTAAAATGCATTCAAGGTGAAGAAAGATCAGTTGATAGTTTGGGCA- - - - GTAAGCTTTGACTTTTAGA								15534
Pig	ATTTTCATGTTTAAAATGCATTCAAGATTAAGAAAGATTAGTTGATACCTTTGGCA- - - - GTAAGCTTTGAATTTTAGA								14845

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Majority	GTT- - - - CATTXXXXTTTTTXXXXT - - TXX- AAGATTGAGGTATAATTGAT- XATAAAAAAXTGTATTATTT- - - G- GT	
	----- ----- ----- ----- ----- ----- ----- -----	
	21290 21300 21310 21320 21330 21340 21350 21360	
Human	ATTATTTAAATAGTAGAAATAACAACCTGTTTCAGTGATAAGACAATGAATAAATTCTGTTTCATAAACATTACAAATGTTTT	17938
PolarBear	-----	0
Cow	GTT- - CTCTTTTTCTTTTTTTTTT- - - - - GAGATTGTGATATAATTGAC- - ATATAACATTATATTATTTTCAG- GT	17326
Dog	TTT- - - - TAAAGTTCTT- CTTTTCTGTTTTTATGTTGAGCTATAATTTACCTATAACT- - CTGTTTGACT- - - T- GT	17508
BelugaWhale	GTT- - CCCTTTTATCTTTTTTTTTTTTTTTTTTAAAGATTGAGGTGTAATTGAT- GTAGAAACATTGTGTTATTTTCAG- GT	14944
Donkey	GTT- - - - - - - - - - - - - CTTTCTCT- - - - - - - - - - - TTGTTGAGATATAATTGCT- - ATATAAAATTGTAATGTTTCAGGTGT	17312
Cat	TTTAGTATATGATAAAGGTTTAATGATTTTTTCCCCCTTATGAATAACCCATTTAGTACCAACTTAATTGAAT- - - A- GT	20080
Ferret	AGT- - - - TAA- - - - - - - - - - - CTATATGTGGTGATAAATGTATCACC- - - - - - - - - - - - - - - - - -	17334
Lion	TTT- - - - - ATGATAAAG- TTTAATGATTTTTTCCCCCTTATGAATAACCCATTTAGTACCAACTTAATTGAAT- - - A- GT	18671
Vaquita	GTT- - CCCTTTTATCTTTTTTATTTT- - - - - TAAGATTGAGGTGTAATTGAT- GTAGAAACATTGTGTTATTTTCAG- GT	15605
Pig	- - - - - - - CTTTTTAACTTTTTTTTTT- - - - - AAGATTAAGCTACAGTTGACCAAAAAAAACTGTATTATTT- CGG- GT	14910

Majority	ACA- CATAATGATTTGATGTATGTATA- TA- - XTGTGAAATAATTACCAGAA- TAAGTTTAGTTAAXATCCATCACCACA	
	----- ----- ----- ----- ----- ----- ----- -----	
	21370 21380 21390 21400 21410 21420 21430 21440	
Human	TTA- AATATTTTTCATATGTGTGAAAAGTAGGATTA AAAATAACTTTGACAAATGCATACAATTTATATGTGTCCCCAAA	18017
PolarBear	-----	0
Cow	ATA- CAGCATGATTTGATGTACGTATA- AAAATTGTGAAACAATTACCAGAA- TAAGTATAGTAAACATCCATTGCCACA	17403
Dog	ACA- CATAATGATTTGATATATGTGTA- TGTTA- - TGAACAATTACCAAGA- TAAGTTTATTTAATATCTATCACAATA	17583
BelugaWhale	GCA- CAAAATGAATTGATGTATGTATA- TA- - TTGTGAAATGATTACCAGAA- TAAGTTTAGTTAACATCCATCACCACA	15019
Donkey	ACAACATAAATAATTTGATATATGTGTG- TA- - TTGTGAAACAATTACCAGAA- TAAGTTTAGTTAACATCCATCCCGCA	17388
Cat	TCA- TGTTTTTTTCCCCACTGATCTGCAGTGTACCTGTCAGATTTCCATAGA- TGGATGGAACCTGTTTCTGGGCTATCTG	20158
Ferret	ACA- CATAGTTAAAAAAATTTTTCT- TATAA- - TGAGAATTTTTAAGATT- TTA CTCTATTAGCTCTTCAACGCA- TA	17408
Lion	TCA- TGTTTTTTTCCCCACTGATCTGCAGTGTACAGTGTGATTTCCATAGA- TGGATGGAACCTGTTTCTGGGCTATCTG	18749
Vaquita	GCA- CAACATGAATTGATGTATGTATA- TA- - TTGTGAAATGATTACCAGAA- TAAGTTTAGTTAACATCCATCACCACA	15680
Pig	GCA- GAACATGATTTGATACATGTATA- TA- - TTGTGAAATGAT- ACTAGA- - TAAGTTTAGTTAACATCTGTCACCACA	14983

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Majority	CATAGTTAAATTTTTTTC- - - CTTGTGATGAGAAGTTXTAAXGTTTATTXXXX- AX- - TCTCGX- - - A- - - - T- - T- -	
	<div style="display: flex; justify-content: space-around;"> 21450 21460 21470 21480 21490 21500 21510 21520 </div>	
Human	AGCTGGAGGGCAGTGTACCAAATAG- - AGTAGTTTTCTCCAGGTTGATGGGATTAGTTTTTTGTAATTC TTATATATT	18095
PolarBear	-----	0
Cow	CATAGTTAAATTTTTTTC- - - CTTGTGCTGAGAACTTTTAAGATTTACTTTAGGAAACTTTTGGAGAAGGCAATGGCAC	17479
Dog	TAACATTA AAAATTTTTTTC- - - GT- - - TATGAGAATTTTAAAGATTTTATTAGCACTTTGAAATGTACAATATAGTAT	17655
BelugaWhale	CATAGTTAAATTATTTTC- - - CTTGTGATGGGAATTTCTAAGATTTAT- - - - - TCTCTG- - - - -	15070
Donkey	CATAGCTACAATTTTTTTTTGGACTTGTGATGAGAAGTTTTAAAATTTACTCTCTCAGCAACTTTT CAGATATACAGTATTG	17468
Cat	TTCTGTTTCATTGTTCGT- - - CTGTCCTGTACCAGTACCACAGTGTCTTAATTTAGTGTAGCGTCACAGTAAGTCTTGG	20234
Ferret	CAATGCAAAAAC- - - - - - - - - - - - - AGTAACAGCGCTGTTTCATTGCGTCTCCAGGATTCAT- - - TTATCT	17462
Lion	TTCTGTTTCATTGTTTGT- - - CTATCCTGTACCAGTACCACAGTGTCTTAATTTAGTGTAGCGTCACAGTAAGTCTTGG	18825
Vaquita	CATAGTTAAATTATTTTC- - - CTTGTGATGGGAATTTCTAAGATTTAT- - - - - TCTCTG- - - - -	15731
Pig	TATAGTTAATTTTTTCT- - - CTTGTGATGAGAA- - - - - - - - - - - - - - - - - - T- TC- - - - -	15017

Majority	X- X- - T- TAXX- - - X- TXXXA- A- - TT- - ATC- TXAXGX- X- X- - TXXXX- - TX- - TXX- - - - - TXTGTXT- TT- - XAXC	
	<div style="display: flex; justify-content: space-around;"> 21530 21540 21550 21560 21570 21580 21590 21600 </div>	
Human	TTCTCTATATCCACATTTTAAGTATTTTATGATAAAGTTATTAATATTGATAAAGTTATTAATGTTGCTTAATTGATTA	18175
PolarBear	-----	0
Cow	CCCTGTCCAGTACTCTTCTTGCCTGGAAAATCCCATGGACGGAGGCCTGGTAGGCTA- - CAGTCCATGGGGTCGCTGA	17557
Dog	TTTTATTTACAGTAACTGCTATACGTTGCATCCTCAGGATTCATTTATCTTATAACTGC- - AAGTTTGTATGTTTTGACC	17733
BelugaWhale	-----	15070
Donkey	T TAACTCTAGTCACCATTCTGTACATTACATCCCCAGGACTCAGATATTTTATAACTGC- - AAGTTTGTACCTTTT GATC	17546
Cat	AACCTTGTAGAGTGAATTT CACA ACTTTGTTCTTCAAAATTGTCTTG GCACTTTCTTTA- - CCATGTGTATTTTAAGATC	20312
Ferret	TG TAACTGCCAACAA- - AACATAACTTGTATGTTTTGG- - CCATCCATTTTGTCTATCC- - - - - TTTACCTCTGGCAACC	17533
Lion	AACCTTGTAGAGTGAATTT CACA ACTTTGTTCTTCAAAATTGTCTTG GCACTTTCTTTA- - CCATGTGTATTTTAAGATC	18903
Vaquita	-----	15731
Pig	-----	15017

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Majority	-----X-----X---G-----X-----X-----TXXX--T-TTTGTTTTTTTTTXXCAACATX								
	21770	21780	21790	21800	21810	21820	21830	21840	
Human	ATTGCAAAACCCATCTCCAGAACTTTTTGGAGAAGTGAAGTCTATACTGATTTTAAAACTCCCTCTTTTGTCTTCTGC								18411
PolarBear	-----								0
Cow	ACTGAAGTGACTTAGCGTAGCGTAGTGTAGCATAGCGTAGCGTTAGGCAACTTTCAAATATTGTAACTATATCAGCATG								17792
Dog	-CCCTCAAGGCCCATCCATGTCATAAATGATAGGGT-TTCCGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTAATGGC								17963
BelugaWhale	-----ATTGTAACTATATCAGCATG								15110
Donkey	-----TT-----TTTTTGTGGCTTGTCTGTCTTTTGTGAGGAAGAT								17660
Cat	GACTGCACAGTGTGCTTGGGATTCTCTTTCTGCCCC-TCCCCTGCTCCCGTGCATGCTCTCCCTCTGTCTCTCAAACATT								20548
Ferret	-TCCTCAAGGTCCATCCATGTTGTTGTAATGG-----TAGGATTTCTTTTTTTTTGTTTAAATGCC								17719
Lion	GACTGCACAGCGTGCTTGGGATTCTCTTTCTGCCCC-TCCCCTGCTCCCATGCATGCTCTCCCTCTGTCTCTCAAACATT								19139
Vaquita	-----ATTGTAACTATATCAGCATG								15771
Pig	-----								15025

Majority	TGXAXXATXTTX-AXX-XX-ATTGTCAXTATTCATTTAT-TTATTAATT-X-----X--X-----X-G-----GGT								
	21850	21860	21870	21880	21890	21900	21910	21920	
Human	TGG---TAACCAGCATTCTATTTTCTGTGTCTATGAATTTGACTACTTTAAA-----TACCTCACATA-----AGT								18474
PolarBear	-----								0
Cow	TGTTACATGGTCAGGGCTA-ATTTATGGGCTTCTTGGT-AGCTCAGCTGGTAAACAATCCGCCTGCAGTGTGGGA-GAT								17869
Dog	TGAATAATATCCACACCACATTGTCTTTATCCATTCAT-TCATTGATGGACATTTAGGTTAGTTTCCATGTCTT--GGT								18040
BelugaWhale	CGGTACATTAT-----ATTGTCAGGAGTCATTTAT-GTCATAACT-----								15149
Donkey	TGGCCCTGAGCTAACATC-TGTTGCCAATCTTCATCTTTTTGCTTGAGG-----AG-----G-ATT----GTC								17717
Cat	TAAAGAAGTTTATAGGATA-ATTGTAATATTATATTTACATTATCAATAAAATAAGATGGCAGTGCTTGAGCTCAAAGGT								20627
Ferret	TGAATAATATCCACACCACATTGTCTTTATCCATTCAT-CCATCGAAGGACATTTAGGTTAGTTTCCATGGCTT--GGT								17796
Lion	TAAAGAAGTTTATAGGATA-ATTGTAATATTATATTTACATTATCAATAAAATAAGATGGCAGTGCTTGAGCTCAAAGGT								19218
Vaquita	CGGTACATTAT-----ATTGTCAGGAGTCATTTAT-GTCATAACT-----								15810
Pig	-----								15025

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Majority	XGGAAXTT- TAXCATTGACA- - TCAXCCTTCXCTT- AT- X- ATXTTXXCCXCTACAGAGTTXTT- XCCTGXAGXG								
	21930	21940	21950	21960	21970	21980	21990	22000	
Human	GGAATTATACAGTATAGTTAA- - GCATCCCTAATCTGAAAATCCAAAGTCTGAATGCTACAAAATCTGAAACTGGTGTG								18552
PolarBear	-----								0
Cow	CTGAGTTTGTTCCTCGGTTG- - GCAAGATCCCCAGATGAGGGAACGGCTACCCACTGCAGTATTCTGGCCTGGGAAA								17946
Dog	TGTA AATT- CTGCATTGAACA- - TGGGGATGCAGGTATCTTTGAGATAGTGATATCCTTCAGATAAATCCCAGAAGTG								18116
BelugaWhale	CTGAGTTTGTACCTTTTGACC- - ACCACCTTCACTAATT- - - - - CCTATCCCCCT- - CCGTCCCTCCCTAAAAGG								15216
Donkey	ACTGAGCT- - AACGTCTGTC- - - CCAGTCTTCTTGTTTTT- ACGTGGGATGCCACCACA- - - CTGTGGCTTGGT GAG								17787
Cat	AGGAAACTGTAACATTTGAAAAATTTACCTCTTTCTTCCCCATAATATTTTCTGCAATTATAGAGGTTATGCTTAATGCG								20707
Ferret	TGTA AATT- TTGCAGTGGCCAA- - TAGGCATCTTTTTTGGAGATCGTGATTTTCTCTCCTTCAGGTATATCCCAGGAGTG								17873
Lion	AGGAAACT- - AACATTTGAAAAATTTATCTCTTTCTTCCCCATAATATTTTCTGCAATTATAGAGGTTATGCTTAATGCA								19296
Vaquita	CTGAGTTTGTACCTTTTGACC- - ACCACCTTCACTAATT- - - - - CCTATCCCCCTACGTGTCCTCCCTAAAAGG								15880
Pig	----- CCCCCA- - - - - TACCCGCTACA- - - T- - - - - GGAAA								15049

Majority	X- - - - - X- - TX- TAGXTTATATTAC- X- - - - - X- TTXGACAAAATTGX- - - - - X- - - - ACXTT								
	22010	22020	22030	22040	22050	22060	22070	22080	
Human	TGTTTTTTTTTTTTTTTTTTTTTTTGGAGACGGAGTCTTACTCTGTGCGCCAGGCTGGAGTGCAGTGGCGCG- ATCTC								18631
PolarBear	-----								0
Cow	TGGACAGAGGGGTCTGGCAGGCTACAGTCCATGGGGTCGCAAAGAGTTGGACACGACTGAGCGACTTCCACTTTCACTTT								18026
Dog	----- GGATTGCTGGATTATATAATTAT- - - - - ACTTTTAAAAATTTGG- - - - - GGGAGAACCTT								18166
BelugaWhale	C- - - - - CTGGCTGTGCTTC- - - - - TGGATACCACTG- - - - - TT								15244
Donkey	C- - - - - AGTGCTAGGT- - C- - - - - CGTGCCAGGATTCA- - - - - GACCTA								17820
Cat	TTAGCCAAAAAGGAAAGTAAATTAATCACCAGTG- - - - - ATTTTACCAAAGTTAATCAGCACT- GTATGCACTTC								20777
Ferret	----- GGATTGCTAGATTGTATAATGAT- - - - - ACTTTAACAAAATTCGTGGGTG- - - GGGGGACCTT								17929
Lion	TTAGCCAAAAAGGAAAGTAAATTAATCACCAGTG- - - - - ATTTTACCGAAGTTAATCAGCACT- GTATATACTTC								19366
Vaquita	C- - - - - CTGGCTGTGCTTC- - - - - TGGATACCACTG- - - - - TT								15908
Pig	-----								15049

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Majority	TTCTC- TTXCX- - - - - A- A- - GGTTTCTGCCAGCTTA- XX- - - - AX- - - - AG- X- A- XXGXGTGTTTCXXTTTTTC	
	22090 22100 22110 22120 22130 22140 22150 22160	
Human	TGCTCACTGCAA- GCTCCACCACCCGGGTT CACGCCATCTTCCTGAGTAGCTGGGACTACAGGCGCCCGCCACCACGCCC	18710
PolarBear	-----	0
Cow	T TCACTTTATGTCAGAATTCCAAGTTTGTACCTTTTGGCCACCATCTTTATTTACTGCCCCAGACTGTGCTTCGGAATTC	18106
Dog	TACTGTTTTCC- - - - - ATAGGGGCTGCA- CCAGTTTACATTCCTACCAGTAGTGAATAAGGG- ATCTCTTTTCCC	18234
BelugaWhale	TTC- - - - - TGTATCTGTGAGTTCA- - - - - GTGTTTTGGGTTTT	15277
Donkey	TGAACCCTGGGC- - - - - TCCCAAAGCAGAGTCTGCAAACCTTA- - - - - ACCACTATGCCACCAGACTGGTCTGGTTTTT	17888
Cat	CCATCATTTCTCTATATATTATAAAGATTTTAAAGCAGCTTGTATATAAAGGGTGAGGAAAGAGGGACATGTCTTTGATA	20857
Ferret	TACTGTTTTCC- - - - - ATAGTGGCTGC- - CCAGTTTACATTCCTACCAGTAGTATAACAAGGA- ATCTCTTTTTTC	17996
Lion	CCATCATTTCTCTATATATTACAAAGATTTTATGCAGCTTATATATAAAGGGTGAGGAAAGAGGGATACGTCTTTGATA	19446
Vaquita	TTC- - - - - TGTATCTGTGAGTTCA- - - - - GTGTTTTGGGTTTT	15941
Pig	----- GTTCCTCCCGGCCA- - - - - G- - - - -	15064

Majority	TATX- - T- - - - TTTTTAXAAAT- TACATX- - - TTTAXTTCATACXGTGTTT- XCTXTCTCT- - TTXTAACTXGTTTTCA	
	22170 22180 22190 22200 22210 22220 22230 22240	
Human	GGCTAATT- - - TTTTGTATATATATATATATTTTTTTAGTAGAGACGGGGTTTCACTGTAGCCAGGATGGACTCTTATCTC	18787
PolarBear	-----	0
Cow	AGTGTTTTGCGTTTTTTAAGAGTTTACAGGTAATGAGATCATACAGTGTGTTGTCTCTCTCTCTCTGACTTATTTTAC	18186
Dog	TACA- - - - - TTCTTATAAAA- TACTT- - - - TTTATTTATTGTTTTTTTTTTGTAATAACCATTATAACAGGTGTGAG	18301
BelugaWhale	TGTTTGTT- - - - TTTTAAAGAATCTACATATAAATGAGATCATATGGTGTGTTTGTCTTTCTCT- - - - - GACTTGTTTAC	15347
Donkey	TAT- - - - - TTTTAA- - GTTCAACATATAAGTACATCTTACAGTATTTGTTTTTCTCT- GTTTTATTTTGCATAGT	17956
Cat	AATAGTTCA- ATTTCTTCCAAAGTTACTAG- - - TTTATTTACTGCTTTCTTA- - GAAAATTATATTTTACTGGGTTTAC	20931
Ferret	CACA- - - - - TTCTACCAA- - TACTT- - - - TTTATTTCTTGTCTTTTTG- - ATAATAGCCTTTCTAACAGGTGTGAG	18060
Lion	AATGGTTCA- ATTTCTTCCAAAGTTACTAG- - - TTTATTTACTGCTTTCTTA- - GACAATTATATTTTACTGGGCTTAC	19520
Vaquita	TGTTTGTT- - - - TTTTAAAGAATCTACATATAAATGAGATCATATGGTGTGTTTGTCTTTCTCT- - - - - GACTTGTTTAC	16011
Pig	-----	15064

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Majority	XTAGCCC- ATGACCXCATT- - - - GTTGTTCACAAATTGCATXATTTXCT- XTTT- TGXTGCTGAGTAXTXTT- A- - - -								
	22250	22260	22270	22280	22290	22300	22310	22320	
Human	CCGACCTCGT	GATCCGCCTGCCTCGGCCT	CCCAAAGTGC-	TGGGATTACAGGCCT	GAGCCACCGCGC-	CTGGCC-	- - - - -		18859
PolarBear	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -		0
Cow	TTAGCCCTATGACCTC	ATTTGCATGTTGTTGCAAATGGTAAATTCTTCTT-	- - - - T-	TATAGCTGT-	- - - - -	TATGAATGT			18255
Dog	GTGATAG- ATA-	CCCCATT- - - - -	GTGATTTTAATTTGCATTACTCTGATGATTCGTGATGTTGACCACTTTTTTA-	- C-					18371
BelugaWhale	TTAGCCTAATGACCTC	ATTTGCATGTTGTTGCAAATGGTAGGATTTTCTTCTGTT-	TATAGCTGAATAGTATTTCAATTGT						15426
Donkey	ATAATGCCCTCAAGACCCATCCATGTTGTCACAAATGACAAGATTTTCT-	- TTTTTATGGCTGAATAATATCCACTAT							18034
Cat	ATATCTC- AGAATTCTATA-	- - - - - GCATTTTTAAATTCCTTTTTGTTGCTAATTT-	TGATCATTTGTATTCTGTTT-	- - - -					21000
Ferret	GTGGTA- - - - -	CTTCATT- - - - -	GTGGTTTTGAATTGCATTACTCTGATGATCTGTGATGTTGAGTACTTT-	- - - - -					18121
Lion	ATATCTC- CGAATTCTATA-	- - - - - GCATTTTTAAATTCCTTTTTATTGCTAATTT-	TGATAATTTGTATTCTGTTTATTT						19593
Vaquita	TTAGCCTAATGACCTC	ATTTGCATGTTGTTGCAAATGGTAGGATTTTCTTCTGTT-	TATAGCTGGATAATATTTCAATTGT						16090
Pig	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -		15064

Majority	- T- - ATTXACCACXTTTTX- - - - - TTTAC- XGTTGXTX- AXACCTATGTTXTTCCATXTTTTTCTTTT- - - - - TX								
	22330	22340	22350	22360	22370	22380	22390	22400	
Human	- - - - AATCTGAAACTTTTTGAGCA-	- - - CTTACTTGATGCTCAAAGGAAGT	GCTTAGTGGAGCATTTTGGATTTTAGATTT						18932
PolarBear	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -		0
Cow	GTAGATTAACCACATTTTC-	- - - - - TTCATCCATTGATGGAGACCTAAGTTGTTTCC-	- - - - -	CT-	- - - - -	G			18309
Dog	- - - - - ATGATGACCACTTT-	- - - - - CTTAC-	- - - - - ATACCAAGTGGCCATCAGCCTTTTTTCTTTG-	- - - - -					18421
BelugaWhale	ATAGATTAACCACATTTTC-	- - - - - TTCATGTGTTGATGGAGACCTAGGTTGTTCCCATGTCTTGACTGTTGTAATA							15498
Donkey	ATGTATATACCACAATTTCTTGATCCATTCACCTACTGATGGACACTTATATTGTTTGCATGTCTTGGTTGTTGTAATA								18114
Cat	CTCTTGTCAGAGACCTTAT-	- - - - - TTTACTGGTCTGTA-	AAAAGAATCAGCTTTTCTTATTTTTTTTTTTT-	- - - GTTTC					21068
Ferret	- - - - -	- - - - - CTTAC-	- - - - - ATACTTATTGGCCATATACCTGTCTTCTTTG-	- - - - -					18157
Lion	CTCTTGTCAGAGACCTTAT-	- - - - - TTTACTGGTCTGTA-	AAAAGAATCAGCTTTTCTTATTTTTTTTTTTTTTTT	GTTTC					19664
Vaquita	ATAGATTAACCACATTTTC-	- - - - - TTCATGTGTTGATGGAGACCTAGGTTGTTCCCATGTCTTGACTGTTGTAATA							16162
Pig	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	G	15065

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Majority	GTGXTATAATXAATCTGGGG- TGTAXXTATCTTTTATTGAXTGTGATTTTATTTCTTTTCATATAAATTCXTXGXA- TGGA								
	22410	22420	22430	22440	22450	22460	22470	22480	
Human	TCAGATTAGGAATGCTCAGGTTGTGTTTGTCTTTTGTGACTG- GCTTATATTCACTTAATATAATGTCCTCAGGGTCCA								19011
PolarBear	-----								0
Cow	GTGCTACAGTGAACATGGGGGTGCAAATGTCT- - - - AGATAGTGATTTTATTTCTTTAGATAAATATCCAGAAATGGC								18384
Dog	GAAAGATGTCTATTCAGATCATCTGCCATTTTTAATTAGATTTTTTCAACCCTGAGTCATATGAATTCATTGTAT- - - -								18497
BelugaWhale	GTGCTACAATGAATACAGGG- TGCAGATATCTTTTATAGATAGTGATTTTATTTCTTTTCGGGTAAATACTTAGG- - TGGT								15575
Donkey	ATGCTGCACTGAACATGGAGGTGCAGATATCTTTTCAATACAGTGATTTTATTTCTTTCAGATAAATACCCAGAAGTGAG								18194
Cat	TGTAATTGATTAATCTGTGCTTTTATCCTTATTTTTCTGCCTCACATGAAATTTATTTTATTGTCTTTTAGTCTACTTGA								21148
Ferret	GAAAGATGTTTATTCAGAGCATCTGCCATTTTTAATT- GTTTTACTTTTTTCTGAGTCATATAAATTCCTTATATTATA								18236
Lion	TGTAATTGATTAATCTGTGCTTTTATCCTTATTTTTCTGCCTCACATGAGATTTATTTTATTGTCTTTTAGTCCACTTGA								19744
Vaquita	GTGCTACAATGAATACAGGG- TGCAGATATCTTTTATAGATAGTGATTTTATTTCTTTTCGGGTAAATACTTAGG- - TGGT								16239
Pig	GA-----								15069

Majority	ATTXTTGGATCATATAAATTTTACTTTTTAAAATTTTTTGAAGG- - - TGXATTCCATTXTCTTTAGTGGATACATCAATXT								
	22490	22500	22510	22520	22530	22540	22550	22560	
Human	TCCATTTTGTAGCATGTGACAAGATTTCTCCTTTTTTAAGG- - - CTACATAGCATTCCATT- - GTGG- TACACAAAAGT								19085
PolarBear	-----								0
Cow	ATTACTGGATCATGCAGTTTTACTTTGTAAAATTTTTGAGAACTTGCATAGTGTTTTCTTAGTGGGTACATCAGTTT								18464
Dog	- ATTTTGGATATACCATAGTATCCTCTTAGTGTCCCCATGGG- - - TACATTCCAACATCTGTAGTGGATGCTTAAAAC								18573
BelugaWhale	ATTGTTGGATCATACAGTTGTACTTTTTCAAATTTTTGAGGAACCTGTTTTCC- TTTTCTTAGTGGGTACACCAATTT								15654
Donkey	ATTGCTGGATCATGTAATAGTACTTT- TAAAAGTTTTGAAGAACCTCTATACTATTTTCCATAGTGGCTACATCAGTTT								18273
Cat	GATCCTGAACTCACTGACTTTCTTGTTTAAAAATGGATTGAGG- - - GGGCGCTTAGTCTGTTGAGCGTACGATTTTGGCT								21225
Ferret	ATTCTTGAATATTATCAAGTACCATAGTATCCCCTTATCCCA- - - GGGGGTACATTCTATCCAGTGGATGCCTAAAAC								18313
Lion	GATCCTGAACTCATTGACTTTCTTGTTTAAAAATGGATTGAGG- - - GGGCGCTCAGTCTGTTGAGCATACGATTTTGGCT								19821
Vaquita	ATTGTTGGATCATACAGTTGTACTTTTTAAAATTTTTGAGGAACCTGTTTTCC- TTTTCTTAGTGGGTACACCAATTT								16318
Pig	----- GAAC----- TTGGG-----								15078

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Majority	AXATTCXXATCATCAXTGCCXCATG- - TXXCCCTXTTTTTCACXT- XXTGTCAATACTTGTTATAXCTTXXAATTTXCAT	
	22570 22580 22590 22600 22610 22620 22630 22640	
Human	TCATTTGAAGCCCCCTGTGTCATA- - - ACTCAGACTTCCATAACAAAATACCATAGACTG- AGTGACTTAAAAACAGAG	19161
PolarBear	-----	0
Cow	ACATTTCCATCGTCATTGCGCAAG- - TGTTCCCATTTCTTCAAATCCCTGCCAATGCTTGTTATTTCTTTTTGATAGCAT	18542
Dog	GA- - - ATAATATCTAATTCTATG- - TATATGCTGTTTTTACT- - TGTATGTATACCTGTGGTAAAGTTTAATTTACAA	18645
BelugaWhale	ACATTTCCATCATCAGTGCACAAG- - TCTTCCTTTTTCTCCACATCCTCAACAGTGCTTGTTATTTCTTATTTTTTTTGT	15732
Donkey	GTATTTCCATCAACAGTGCCCAAGGGT- - - TCCT- TTTTCTATTTCTTGCCAACATTTGTTACCTCTTGTCTTTTTGGT	18349
Cat	CAGGTCATGATCTCATGGTTCATGAGTTCAGCCCTATGTCAGGC- TCTGTGTTGACAGCCCAGAACCTGGAACCTGCTT	21304
Ferret	AA- - - ATAGTACCTAATCCTATA- - TATATTGAGTTTTTTGCTG- TACATGCATACTTGT- - - AAACTTAACTTACAA	18383
Lion	CAGGTCATGATCTCACGGTTCATGATTTCAAGCCCTATGTCAGGC- TCTGTGTTGACAGCTCAGAGCCTGGAACCTGCTT	19900
Vaquita	ACATTTCCATCATCAGTGCACAAG- - TCTTCCTTTTTCTCCACATCCTCGACAGTGCTTGTTATTTCTTATTTTTTTGGT	16396
Pig	-----	15078

Majority	AATATCCATTCTAACAGGTGTGAGGXGATACCTCAT- GTGATTTTGATTTGXATXTC- CAGXTAAXTGATXXTGAXCACX	
	22650 22660 22670 22680 22690 22700 22710 22720	
Human	ATTCGTT- TTCTCACAGTTCTGGAAACTGGGAAGTCCAAGATCAAGGTACCAGCAAGGCAACTTTCTTTCTGAGGCCACT	19240
PolarBear	-----	0
Cow	C- CATCCAC- CTAACAGGTGTGAGGTGATACTTCATTGTGATTTTGATTGGCATTTCCTGATCCATGATT- - GAGTACC	18618
Dog	ATTAGGCACAGTAAGAGATTAATAACAATAG- - - - - AATAGTACTTTTTATAT- - - - - AGCTAGGTGAATGTGATCTCT	18714
BelugaWhale	AATATCCATTCTAACAGGTGTGAGGTGATATCTCATTGTGGTTTTGATTGGCATTTCCTGATTAGTGATGTTGAGCACC	15812
Donkey	AATAGCCATTCTAACAGGTGTGAGGTGATACCTCATTGTGCTTTTTGATTTGCATTACTCTGATGATTAGTGATGTTTGAG	18429
Cat	CAGATTCTGTGTCTCCTCTCTTTGCCCTTCTCTGC- GTGCGTGCTCTCTCTGTCTCTAAACTAAATAAACATTAAAAA	21383
Ferret	ATGAGGTACAGTAAGTGATTAGCAACAATAACTAAT- AAAATAGTACCATTTAT- - - - - AGTTAGGTGAATTTGATCTCT	18457
Lion	CAGGTTCTGTGTCTCCTCTCTTTGCCCTTCTCTGC- GTGCGTGCTCTCTCTGTCTCTAAACTAAATAAACATTAAAAA	19979
Vaquita	AATATCCATTCTAACAGGTGTGAGGTGATATCTCATTGTGGTTTTGATTGGCATTTCCTGATTAGTGATGTTGAGCACC	16476
Pig	----- TC- - - - - ACAGGAGTGA- - - - - CCATGCTG- - GA- - - - -	15100

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Majority	TTT- - TCXC- - - G- - TXCCTXTTGTACTGTGTXTGTCTT- - - - - XTGATGAAAT- - - - TGGCTATGCGXXXAGATT								
	22730	22740	22750	22760	22770	22780	22790	22800	
Human	TCTCTTGAAGTGAGGCCACCATTT- TACTTTGTGTGCCTC- - - - - ACATGACCTT- - TTCTTTGTGAGCACACTTT								19308
PolarBear	-----								0
Cow	TTT- - TCGT- - - G- - TACCTATTGGTCATTTGTATGTCAA- - - - - TTTATGTCCTC- - - TGCCCATTTCTTTAATCTT								18680
Dog	T- - - - TCA- - - - G- - - - ACTAATTGCACTGTACTCATCTTTCTTG- - TGATATGAGATAAAATGGCTATGCGATGACATA								18780
BelugaWhale	TTT- - TCAT- - - G- - TTCCTGTTGGTTGTTTGTGTGTCTT- - - - - TGGAAGAA- - - - - TGTCTACTGT- - - GTCTT								15868
Donkey	CATCTTTTC- - - ACATACCTGTTGGCCTTGTGTGTGTCTT- - - - - TGGAA- - - - - AGACATCTGTTTCAGATC								18488
Cat	TTTTTTTTTCTCAGACTGTCTTATAGTACTGTACTCACCCT- - - - - TGTGATGAAATA- - ATGGCTATGCGAGGAGATG								21454
Ferret	CTCTCTCTCTGAGAATGTTTTATTGTACTGTACTTACTCACCCTTCTTGTGATTGGATAAAATGGCTACGTGATGAGATG								18537
Lion	TTTTTTTTTCTCAGACTGTCTTATTGTACTGTACTCACCCT- - - - - TGTGATGAAATA- - ATGGCTATGCAAGGAGATG								20050
Vaquita	TTT- - TCAT- - - G- - TTCCTGTTGGTTGTTTGTGTGTCTT- - - - - TGGAAGAA- - - - - TGTCTGTTGT- - - GTCTT								16532
Pig	-----								15100

Majority	AAGTGAG- - - AATGATXTAGG- - CATTGTXATXTXTTTCAGAATAGTATXXATCTTXTGA- - - ATACTTTAGAX- AATG								
	22810	22820	22830	22840	22850	22860	22870	22880	
Human	GGGGGAG- TGGGTGGCAGAAGCTCTCTGGTATTTCTTCTCATAAAGGCATTAATCCCATCATGAAGGCCTTACTCTCATG								19387
PolarBear	-----								0
Cow	TAATGTT- - - TATTTTTAATCTTTAATGTTTATTTTTT- CTGAGTTCTATGAGTTTCTTGT- - - ATATTTTTGAT- ATTG								18752
Dog	AAGTGAGGTGAATGATGTAGA- - CATTGTGATGTAGGATTAGGATGCTTTGACCTTCTGA- CAATACTTCAGAAGAAGG								18857
BelugaWhale	C- - TGCT- - - CATTCTTTGATCATACTGTTTCATTTTTTTCTGAGTAGTATGAGTTCTTT- - - - - ATTTTTGAT- ACTA								15935
Donkey	CTCTGCC- - - CATTTTTTA- - - - - ATTGAATTTCTTTTTTCTGAGTTGTATGTGTTCTTTAT- - - ATGTTTTAGAT- ATTA								18556
Cat	AAGTGAGGTGAATGACATAGGTGCATTGTGATGTAGGATTAGGATACTCTTGACCTTCTGA- CAATACCTCAGAAGAAGG								21533
Ferret	AAGTGAG- TGAATGACACAGG- - CATTGTGATGTAGGATTAGGATAGTATTGACCTTCTGAACAGTACTTCCGAAGAGGG								18614
Lion	AAGTGAGGTGAATGACATAGGTGCATTGTGATGTAGGATTAGGATGCTCTTGACCTTCTGA- CAATACCTCAGAAGAAGG								20129
Vaquita	C- - TGCT- - - CATTCTTTGATCATACTGTTTCATTTTTT- CTGAGTAGTATGAGTTCTTT- - - - - ATTTTTGAT- ACTA								16598
Pig	-----								15100

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Majority	ATCTTCTAXXTXXXXTCTXTAGTTAXCTAX- X- XAATTCAA- - T- - - - - X- - XX- TA- XAXXT- - - X								
	22890	22900	22910	22920	22930	22940	22950	22960	
Human	ATCTCATG- - - AAATCCTCCAGTTAACTCCTAAAGGCCCTGTTTCAAATTGCATCACATTTGGGGTTAGGACTTCAGCA								19464
PolarBear	-----								0
Cow	ACATTTACAGTATGATGTGCAGATTTTCC- TTCCATCCATCTTGTTGAT- GGTTTTCTTACCCTACAGAAGCTAAAGT								18830
Dog	ATCATATGGTT- - - GACCATGGGTAACTA- - - - AAATTATAGCTA- - - - - AGAGGAGACAATTGTATATGACTTGC- AA								18923
BelugaWhale	ACTTTCTATATATGATTTGTAAATATTTTC- TCCCATTCAG- - - - -								15975
Donkey	ACCTCTTG- - TCAGATATATGGTTTGC- - - - - AATTAT- - - - - T- - - - -								18588
Cat	ATCATCTACTTCCAGGCTATGGTTGGCCATGAGTAACTGAAATTATAGGTAAGAGGGGACAACACTGTATATGACTTGA- AA								21612
Ferret	ATCATCTGCTTCCAGACTGCAGTTGACCATGTGAAATTACATGTAGAT- - - AAGAGGGGCAACTGTTTATGACTTGG- AA								18690
Lion	ATCATCTACTTCCAGGCTATGGTTGGCCATGAGTAACTGAAATTATAGGTAAGAGGGGACAACACTGTATATGACTT- - - AA								20206
Vaquita	ACTTTCTATATATGATTTGTAAATATTTTC- TCCCATTCAG- - - - -								16638
Pig	-----								15100

Majority	- X- - - XT- X- - X- TTCTX- XGGTCXTTAGGTTGCCTTT- C- - TTGXTGTCAAATCCAAAAA- TCATTGCCXAGACT- - T								
	22970	22980	22990	23000	23010	23020	23030	23040	
Human	TGTGATTTTTGGGGAAACATAAGCATTGAGTTGATAATACCCTGCATATAGTTGACCCATACTTCTCCACTCCAGGTAAT								19544
PolarBear	-----								0
Cow	TTGACATAGTCCTAATTACTGTTGCTTTTGTTCCTTTGCTTTTGGTGTCAAATCCAAAAAG- TCACTGCTAAGATTGAT								18909
Dog	ATATTTTCTCCATTCTGTAGGTCCTCAGGTTGCCTTTGCTTTTGGTGTCAAATCCAAAAAATCATTGCCTAGACTAAT								19003
BelugaWhale	----- TAGGTTGCCTTTTC- - - - -								15989
Donkey	----- TTCTCCTGGTCTGTCATTTGCCTTC- CTTTTAGTGTGCAATACAAAAA- TGGTTGCCAAGACCAAT								18653
Cat	ATATTTTCTCCATTCTGTAGGTCCTCAGGTTGCCT- - - - - TTGGTGTCAAATCCAAAATA- TCATTGCCTAGACTCTT								21685
Ferret	ATATTTTCTCACATTCTGGAGGTCCTTAGGTTGCCTTTGCTTTTGTG- TGTCAAATCCAAAAA- TCATTACCTAGGCTG- T								18767
Lion	ATATTTTCTCCATTCTGTAGGTCCTCAGGTTGCCT- - - - - TTGGTGTCAAATCCAAAATA- TCATTGCCTAGACCCTT								20279
Vaquita	----- TAGGTTGCCTTTTC- - - - -								16652
Pig	----- TGATTA- - - - -								15106

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Majority	XTTAAGGAGCTTA- X- - - - CCTXXXTTTTCTT- T- - GAGTTTTATGXTTTCAG- TTTTATXTTCAX- TTTXTXA- - - AT								
	23050	23060	23070	23080	23090	23100	23110	23120	
Human	- - TACTATACTAAATTTGATGTTTACCATTCCCATAAATTTCTCATTACTACATGTTTATGTATTTTTATCTTAAGCAA								19622
PolarBear	-----								0
Cow	TTCAAGGAGCTTACTTACTACTTACATTTTTTC- TGGGAGTTTTATAGTTTCAGCCCTTATGTTCAAATTTTAAATATAT								18988
Dog	GTTGAGGAGTTTATC- - - - - CCTGTATTTTCTTCTAGGAGTTTTATGGTTTTAGATTTTATATTCAATTATTTAACTTAT								19078
BelugaWhale	-----								AT 15991
Donkey	GTCAGGGTGCTTTTTT- - - - - CCTATGTCTTCTT- GAAGAGTTTTATGGTTTCAGGTCTTATGTTCA- - - - - AT								18716
Cat	GTTAAGGAGCTTAGCA- - - - - CCTAAGTTTTCTT- T- - GAGTTTTATGCTTTCAGATCTTATATTCAAGTATTTAATTCAT								21758
Ferret	GTTAAGGAGCTTATCA- - - - - CCTGTGTTTTTTTCTAGGAGTTTTATGGTTTCAGGTCTTATGTTCAAGTATTTAACCTGT								18843
Lion	GTTAAGGAGCTTAGCA- - - - - CCTATGTTTTCTT- T- - GAGTTTTATGCTTTCAGATTTTATATTCAAGTATTTAATTCAT								20352
Vaquita	-----								AT 16654
Pig	-----								AT 15108

Majority	TTTGAGTTX- TTTTTGTGTXTGXT- TXAGXTAGTXGTCTAGTTTCATTCTTTT- XXATGTGGCTGTXCAXTTTTTC- - - - -								
	23130	23140	23150	23160	23170	23180	23190	23200	
Human	TATATGGT- TTTGTTTTGCATG- TTTAAACTATAGATGTAATCATGCTGTATGTATTCTGTAATTTGCTTTTTCTTG- T								19699
PolarBear	-----								0
Cow	TTTGAGTTAATTTTTATGTGTGATGAAAGATGGTGGTCCAGTTTCTTTCTTCT- GCATGAGACTGTCCAGGTTTC- - - - -								19062
Dog	TTTGAGTTGATTTTTGTGTGTGGTGTGAAGTAGTAGTCTAGTTTCATTCTTTT- ACATGTGGCTATTTTCTTAGCATCAT								19157
BelugaWhale	CTTGT- - - - - - T GATGGT- - - - - - TCCT- - - - - -								16008
Donkey	TTTGAGTTACTTTTGTGTGTGTGGTGTAAAGACAGTAGTCTAGTCTCATTCTTTT- GCATGTGGCTGTCCATTTTTTC- - - - -								18790
Cat	TTTGAGTTAGTTTTTGTGTATAGTTTGAAGTAGTAGTCTAGTTTCATTCTTTTTATATGTGGCTGTTCAAGTTTTTC- - - - -								21833
Ferret	TTTGAGTTAATTTTTGTGTATGGTATGAGGTAGTATTCTAGTTTCATTCTTTT- GCATGTAGCTGTTCAAGTTTTTC- - - - -								18917
Lion	TTTGAGTTAGTTTTTGTGTATAGTTTGAAGTAGTAGTCTAGTTTCATTCTTTTTATATGTGGCTGTTCAAGTTTTTC- - - - -								20427
Vaquita	CTTGT- - - - - - T GATGGT- - - - - - TCCT- - - - - -								16671
Pig	CT- - - - - - GGTGGG- - - - - - CCA- - - - - -								15119

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Majority	AATCTATX- TAT- C- - GTTTTTATGCCXGTACCATX- TG- TTTTGATTACT- - - - - AGT- - TTAAATXAGGX								
	23370	23380	23390	23400	23410	23420	23430	23440	
Human	AAGCATTAAATATGCATATTCTAACGTGTTAATATTAGAGTTTCTCATAGATTGTGTCTTTTCAAATCGATTGAAT- - ATT								19931
PolarBear	-----								0
Cow	AATCTATAATAG- TCTGCTTTTATGCCCATATTGTAAGT- TTTTGAGTTACTCTTTATATTACAGT- - TTAAGACCAAGA								19238
Dog	GATCTGTG- TAT- CAAGTTTTTATGCCCGTGCCATCCTG- TTTTGAGTACT- - - - - GGT- - TTGAAATCAGGA								19337
BelugaWhale	AGTCCA- AAT- - - - - TTAT- - - - - TTTTG- - - - -								16055
Donkey	GACCT- - - - TTG- TGGGTTTTTATGGCAGTACCATATTG- TTTTGATTACTGTAGTTTTGTGATACAGCTTGAATCAGGA								18982
Cat	GATCTATG- TAT- CTAGTTTTTATGGCCAGTACCATCGTG- TTTTGATTACT- - - - - AGT- - TTGAAATCAGGG								22038
Ferret	AATCTGTG- TAT- CTGGTTTTTATGCCAGTACCATCCTAATTTTGATTACT- - - - - AGT- - TTGAAATCAGGA								19082
Lion	GATCTATG- TAT- CTAGTTTTTATGCCAGTACCATCGTG- TTTTGATTACT- - - - - AGT- - TTGAAATTAGGG								20630
Vaquita	AGTCCA- AAT- - - - - TTAT- - - - - TTTTG- - - - -								16718
Pig	ACTC- - - - - T- - - - - TTTG- - - - -								15140

Majority	AGTGTGATGCCTXCA- CTT- - TTGTTCTTTXTCAAGATTGCTTTGGCTCTTXAGGGTCCTTTGTGGTTCCATACAAATAT								
	23450	23460	23470	23480	23490	23500	23510	23520	
Human	AACATATTGCTTTCA- - TAGGTAATTATAT- TAATTATACTGTTAGCGCTGCATGTAGATTCTTGTTTCTATACATTCTT								20008
PolarBear	-----								0
Cow	GGTGTGCTGCCTCCA- CTT- - TTGTTCTTTCTCACGATTGCTTTGGTCTTAAGGATTTTTTGTGTTTCTGATAGACTT								19315
Dog	AGTGTGAGGCCTCTAGCTT- - - TGTTCTTTTTCAAGATTTCTTTGGCTATTTGGGATCCTTCACAGTTCCATACAAATA-								19413
BelugaWhale	----- CTT- - TTGTTGTCT- - - - - TTGCTTTTGGTGTCAAAGCCAAAAGTCATTGC- TAAGACTGA								16109
Donkey	AGTGTGATGCCTCCAGCTTTGTTCTTTCTTTCTCAAGATTGCTTTGGTGTTCGGGGTCCTTTGGGGTTCCATACAAATCT								19062
Cat	AGTGTGATGCCTTCCAGCTTTGTTCTT- - - TATCAAGATTGCTTTAACTCTTCAGGGTCCTTTGTGGTTCTGTACAAATAG								22115
Ferret	AGTGCGATGCCTCCGGCTTTCTTGTTATTTCTCAAATCACTTCGGCTATATGGG- TCCTTTGCAGTTCCATACAAATAG								19161
Lion	AGTGTGATGCCTTCCAGCTTTGTTCTTTATCAAGATTGCTTTAACTCTTCAGGGTCCTTTGTGGTTCCGTACAAATAG								20710
Vaquita	----- CTT- - TTGTTGTCT- - - - - TTGCTTTTGGTGTCAAAGCCAAAAGTCATTGC- TAAGACTGA								16772
Pig	----- TTGTTCTTTCTCA- - ATTGTTTTGGTCTTAGGGTCCTTGGTGGTTCCATATAAATTT								15197

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Majority	TAGGATTGTGTTTTCTATT- TXTGTGAAAAATGCCXTTGGAATTTTGATAGG- - GATTGCATTGAATCT- GTAGATTGCT	
	23530 23540 23550 23560 23570 23580 23590 23600	
Human	TGAAAATCGGCATTGTTGGACTTTTTAATTTTGTGATCAAATGTACATGGGAAGGATATCTTGTGGTT- TTAATTTGCA	20087
PolarBear	-----	0
Cow	TAGGATTTTTTTTTCTAT- TTTATGAAAAATGTGATTGGAATTTTGAT- - - - GATTGCATTGAATCT- GTAGATTGCT	19388
Dog	- - GGATTGTGT- - TCTAT- - TTTGTGAAAAATGCCGTTGGAATTTTGATAGG- - GATTGCATTGAATCT- GTAGATTGCT	19484
BelugaWhale	TGCCAAGGGGCTTA- - - GT- TATACTAAA- - - TCCTTAG- - TTTGATAAG- - GATTGCATTGAATCT- GTAGATTGTT	16175
Donkey	CAGCATTTTTTTTTCTATT- TCTGTGAAAAATGCCATTGGAATTTTGATAGG- - GATTGCATGGAATCT- GCAGATTGCA	19138
Cat	TAGGATTGTGTGTTCTATT- TCTGTGAAAAATGCTGTTGGAATTTTGATAGG- - GATTGCATTGAATTT- GTAGATTGCT	22191
Ferret	TAGGATTGTGTAGTCTATG- TCTGTGAAAAATGCCACTGGAATTTTGATAGG- - GATTACATTGAACT- - - AGATTGCT	19235
Lion	TAGGATTGTGTGTTCTATT- TCTGTGAAAAATGCTGTTGGAATTTTGATAGG- - GATTGCATTGAATTTTGTAGATTGCT	20787
Vaquita	TGCCAAGGGGCTTA- - - GT- TATACTAAA- - - TCCTTAG- - TTTGATAAG- - GATTGCATTGAATCT- GTAGATTGTT	16838
Pig	TGGGATTGTCTTTT- CTGT- TTTGTGAAAAATGCCATTGGAATTTTGATAAG- - GATTACATTAATCT- TTAGATAGCT	15272

Majority	TTGGGTAGTA- TG- AACATTTTAAACAXTA- TXATTCTT- - CCAXTCCATGAGCAXAGA- - - - - - ATATCTTTCCA- - -	
	23610 23620 23630 23640 23650 23660 23670 23680	
Human	TTCCCTATTAATGCAAAAAAAAAAAAAACATTGATTCCTG- GGAGTTTTTATATACTGTGCAGACTAATTGTTTTGTTATT	20166
PolarBear	-----	0
Cow	CTGAGTTGTA- TG- GGCATTTTAAACAGTA- - - - TACTT- - CCAATCCATGAGCATAAATGGAAAGAATATCTTTCCA- - -	19457
Dog	TTGTGTAGTA- TA- AACACTTTAAACAGTATTGATTTTC- - CCAATCCCTGAGCACAAA- - - - - - ATGTCTTTCTA- - -	19549
BelugaWhale	TTGGGTAGTG- TG- AACATTTTAAACAGTA- - - - TTCTT- - CCAGTCCATGAGCATGGA- - - - - - ATATCTTTCCACTT	16239
Donkey	TTGGGAAGAA- TG- AACATTTTGACAATATTAATTCTT- - CCAGCCCATAGGCATGGA- - - - - - ATATCTTTCTGTTT	19206
Cat	TTGGGTAGTA- TG- AACATTTTAAATGATACTGATTTTTTTTCCAAACCAGGAGCACAGA- - - - - - ATGTCTTTCCA- - -	22258
Ferret	TTGGGTAGTA- TG- AACA- TTTAAACAGTATTGATTTTT- - CTAATCCGTGGGCACAAA- - - - - - ATGTCTTTCCA- - -	19299
Lion	TTGGGTAGTA- TG- AACATTTTAAATGATACTGATTTTTTTTCCAAACCAGGAGCACAGA- - - - - - ATGTCTTTCCA- - -	20854
Vaquita	TTGGGTAGTG- TG- AACATTTTAAACAGTA- - - - TTCTT- - CCAGTCCATGAGCATGGA- - - - - - ATATCTTTCCACTT	16902
Pig	TGGGTAGTA- TG- G- - - - - - - ATAATA- - - - TTCTT- - CCAGTCCAGGAGCATGCA- - - - - - ATATCTTTCCA- - -	15325

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Majority	- TXTGTATTTXCTTCAA- TTTTTTTCATCAXTXXTTAXATXTTTTTAACTTTXX- AX- XT- - TTATGAAAGXTTCAAGA	
	<div style="display: flex; justify-content: space-between; width: 100%;"> 23690 23700 23710 23720 23730 23740 23750 23760 </div>	
Human	TTTTTTGGTTTGTTTGTTTGTTTGTTTCATTTTTGTTTTGTTTTGAGAGACAGAGTCTCACTGTGTCATCCAGGCTG	20246
PolarBear	-----	0
Cow	- TTTGCATCTTCTTCAA- TTTCTTCCATCAGTGTCTTTACCTTTTTCACTTTTTTAAGCT- - TTGTGAAAGCTTCAAAA	19533
Dog	- - - TATATTTGTGTCAA- - TTTTTTCA- - - - TTTTAA- - - - TTTTTTAAACTTCA- - - - - TTATTAAACTTTCAAGA	19608
BelugaWhale	ATTTGTGTCTTCTTCAA- TGTGTTTCATCAACGTCTTACAGCTTTTTCACTTTTT- AAGCT- - TTGTGAAAGCTTCAAGG	16315
Donkey	ATGTGTGTTGTCTTCAA- TTTCTTTCATCAGTGTCTTGCATCTTTTTATTTTTTAAACTTCTTATAAAAAGTTTCAAGA	19285
Cat	- - - TTTATTTGTGTCAA- - TTTTTTTTTCCCTTTTTTAAATTTTTTAAACTTCA- - - - - TTATTAAACTTTCAAGA	22325
Ferret	- - - TATATTTGT- - CAA- - TTTTTTCA- - - - TTTTAA- - - - TTTTTTAAAGCTTCA- - - - - TTTTTAAACATTCAAGA	19356
Lion	- - - TTTATTTGTGTCAA- - TTTTTTTT- CCCTTTTTTAAATTTTTTAAACTTCA- - - - - TTATTAAACTTTCAAGA	20920
Vaquita	ATTTGTGTCTTCTTCAA- TGTGTTTCATCAACGTCTTACAGCTTTTTCACTTTTTTAAAGCT- - TTGTGAAAGCTTCAAGG	16979
Pig	- TTTATTTGTGCTTTGAGTTTCTTTCATCACTGTCTTTTATCTTTTTCACTTTTTTAAAGCT- - TTACGAAGG- TTTAAGA	15401

Majority	T- ATACAAAAGTAGXGTGAATGGTA- - - - - TAATAATACACTA- - - - XTXXCCTTCCTGTTGGAGAATATTAAGTAAA	
	<div style="display: flex; justify-content: space-between; width: 100%;"> 23770 23780 23790 23800 23810 23820 23830 23840 </div>	
Human	GAGTGCAGTGGCTCGGTACAGTCACTGCAGTCTTGACATCCCAGGCTCTAGCAATTCTCTCACCTTTGTTTCCTGAGTA	20326
PolarBear	-----	0
Cow	T- GTACAAAAGTGGGGTGAATGGTA- - - - - TAATAGTACACTT- - C- TTTGCCTTCCTTTGGAAGAATATTAAGCAA	19603
Dog	T- ACACAAAATAGTATGAATGGTA- - - - - CAGTGATACGCAA- - - - - ATCCTTTCTTTGGGAATATTAAGTAAA	19675
BelugaWhale	T- ATACAAAAGTAGGGTGAATGGTA- - - - - TAATAATATACTT- - CCTTTGCCTTCCTGTGGGAGAATATTAAGTAAA	16386
Donkey	T- ACACAGAAGTAGTGTGAATGGTA- - - - - TAATACTCTT- - CTTTTCTTCCTGTTGGAGAATATTAAGCACA	19353
Cat	TACATAAAAAGTAGTGTGAATGGTAATGGTACAGTAATACACAA- - - - - ATCCTTCCTGTTGGAGAATATTAAGTAAA	22399
Ferret	TCACATAAAAAGTGGTATGACTGGTA- - - - - CAGTAATACACAA- - - - - ATCCTTCCTTTTGGAGAACATTAAGGAAA	19424
Lion	TACATAAAAAGGAGTGTGAATGGTAATGGTACAATAATACACAA- - - - - ATCCTTCCTGTTGGATAATATTAAGTAAA	20994
Vaquita	T- ATACAAAAGTAGGGTGAATGGTA- - - - - TAATAATATACTT- - CCTTTGCCTTCCTGTGGGAGAATATTAAGTAAA	17050
Pig	T- GTAAAAAAGTAGGATGAATGGTA- - - - - TAATAATGTACT- - - - - TTTGCCTTCCACTGGGAGAATATTAAGCAA	15469

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Majority	TCTCAGAGATCAT- TTTATATCATT- - - CCTAAATACTTTATTGTGTGTCTCTAACAGATATAATCTCTTAAGGAT- - - G								
	23850	23860	23870	23880	23890	23900	23910	23920	
Human	GCTGGGACTACAGGAATACACCACTATGCCAGCTAATTTTTCAATTTTTTTGTAGAGATGGAGTCTCACTGTATTACCC								20406
PolarBear	-----								0
Cow	TCTTAGCGATGAT- TTTATATCATT- - - CCTAAATATTTCAATGTGTATCTCTAACAGATACAGTCTCTTGAA- - - - - G								19673
Dog	TCTCAGAGGTCAT- TTCATACCATC- - - CCTAAATATCTTATTGTGTGTCTC- - - - - ATATAATCTCCTAAGGAT- - - T								19742
BelugaWhale	TCTCAGTGATTAT- - - - - ATCATT- - - CCTAAATACTTCAATGTGTATTTCTAGTAGATATAATCTCTTAAAGAT- - - G								16454
Donkey	TCTCAAAGATCAT- TTCA- - - TATT- - - ACCAAATGCTT- - GTGTGTGTTTCTAAC- - ATATACTCTCTTAAAGAT- - - G								19419
Cat	TCTCAGAGATCAT- TTCATGTCCTC- - - ACTAAATACTTTATCGTGTGTCTCTAAC- TAATAATCTCCTAAGGAT- - - G								22471
Ferret	TCT- - - AGATAAT- TTTATACCATC- - - CCTAAGTATTTTATTGTGTGTCTCTAACAGATGTAATCTCCTCAGGAT- - - G								19494
Lion	TCTCAGAGATCAT- TTCATGTCCTC- - - ACTCAATACTTTATTGTGTGTCTCTAAC- TAATAATCTCCTAAGGAT- - - G								21066
Vaquita	TCTCAGTGATTAT- TTTATATCATT- - - CCTAAGTACTTCAATGTGTATTTCTAATAGATATAATCTCTTAAAGAT- - - G								17123
Pig	TCTCAGAGGTTGTGTTTATATCACT- - - CCTAAATACTTCAGTGTGTTGTATCTAATAGATATATTCTGTAAAGA- T- - - G								15542

Majority	ATATTTATACC- - AXT- TTATACCT- AATAAAAATTT- - AAAATAATTTXTTAATAT- - - - - T- XXXTAATXTCTAG- - -								
	23930	23940	23950	23960	23970	23980	23990	24000	
Human	AGGTTTGTGCGAACTCCCAGGCTCAAGCAGTTCTCCCGCATTGGCCTCCTAAAGTGCTGAGATTACAGGCGTGAGTCGC								20486
PolarBear	-----								0
Cow	ATATTT- - - - - TTATACAT- AATAAAAATTT- - TAAAGAATTTTTTGTGT- - - - - T- - GTTTAAGTGTAG- - -								19728
Dog	ATATTGGTACC- - ATTATTAACCTAAATAAAAATTT- - AAAATAATTTCTTAATAT- - - - - T- ATCTAATTCAG- AG								19810
BelugaWhale	ACATTTATATC- - A- - - TCACACCT- AATAAAAATTT- - TAAATAAGTTTTTCTTT- - - - - TTTATTGAAGTATAT- - -								16517
Donkey	CCATTGATACA- - ATTATTATACCT- AATAAAAATTT- - AAAATAATTTATTAATAT- - - - - CCTCTAATCTCCTAGTGG								19488
Cat	ATATTGATACC- - ATTATTATACCTTAATAAAAATTT- - AAAATAATTTCTTAATA- - - - - TCTAATTTCCAG- - -								22534
Ferret	ATATTCATACC- - ATTGTTATACTTAATAAAAATAT- - AAAATAGTTTGTTAATAT- - - - - A- ATCTAATTTCCAATAG								19563
Lion	ATATTGATACC- - ATTATTATACCTTAATAAAAATTT- - AAAATAATTTCTTAATA- - - - - TCTAATTTCTAG- - -								21129
Vaquita	ACATTTATATC- - A- - - TCACACCT- AATAAAAATTT- - TAAATAAGTTTTTCTTT- - - - - TTTATTGAAGTATAT- - -								17186
Pig	ATATTTATATC- - A- - - TTGTACCT- AATAAAAATTT- - AAAATAACTTTTTATTTT- - - - - TTAATTGATGTAAAG- - -								15605

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Majority	TAGTCATAATTTAXTATXTXCXTTAAAGATGT--C-----GTA---CAXCXTTATGAXTCAAXATTTAAAGAC--AXTA								
	24010	24020	24030	24040	24050	24060	24070	24080	
Human	TGTGCCTGGCCTGTTTTGTAGTTACATGTCCTACAGATAACTCTCTCCTCTCTCTGACCTGTTTTTTTTTACACTGATGA								20566
PolarBear	-----								0
Cow	TTGACATACTGTATTATG---ATTTAGGA-----GTA---CAACATAATGATTCAACATTTATACAT--ATTA								19788
Dog	TAGTCAAAATTTCCAGTTCCTTCAAAGATGT--C-----TTTTTCCCCTTTTCAAATCAGGAATTAAGGAC--AGTC								19880
BelugaWhale	TTGACATACAATATTATGTTAGTTTTAGGT-----GTAA--TAACATAATGATTCAAAATTTACATAC--ATTA								16582
Donkey	TAGTCAAAATTTTCTAGTTGCCTCAAAAATAT--CTTTCACGTTTCTTTTCTTTCAAATCAAGAACCAAGGAA--AGTC								19564
Cat	CAGTAAGAATTTTCCATTTGCCTCAGAAATGT--C-----TTGG--CGCCTGGGTGGCTCAGT---TAAG---TGTC								22596
Ferret	TAGTCCAAATTTCCCAATTGCCTTGAAAATGT--C-----TTTC--CCCCCTTTCAAATCAGGAATCAAGGGA--AGTT								19631
Lion	CAGTAAGAATTTTCCATTTGCCTCAGAAATGT--C-----TTGG--CGCCTGGGTGGCTCAGTCAGTTAAG---TGTC								21195
Vaquita	TTGACATACAATATTATGTTAGTTTTAGGT-----GTA---TAACATAATGATTCAAAATTTACATAC--ATTA								17250
Pig	TTGACATAAAATATTATGTTAGTTCCAGGTGT--T-----GTA---CAACATCATGAGTCAACATTTACATAC--ATTA								15672
Majority	CAAATTXAXXA-TTTAAGT-----CATXTGTCAXXATATAAAAATTTTTA-----C-TATTACATTCXCXATAG								
	24090	24100	24110	24120	24130	24140	24150	24160	
Human	ATAGTTGTAATTTTAAATGGGACATTTATGTTTTCTTTTAAAAAACATTTA-----ACCTAAGGCCTTACGTATAG								20639
PolarBear	-----								0
Cow	CAAATTTGGTCACTGTAATCTAGTAG-TCATTTGTGACCATATAAAAATTATTACAATATTATT-ATTACATTTCCCATGC								19866
Dog	AATATTTAAACA-TCTAGTT-----AATGTTTAGTTAATTTAATGTTTAGTTA-ATGACTTTTAAAGTCTCTTTATAA								19949
BelugaWhale	CAGATTGATCACCATAAC-----CATCTGTCACTGTAAAAAATTATTA-----ATTATATTCCCCAAGC								16641
Donkey	AGAATGTTGAATTGGTTGATACCTTTTATATCTGTAATCAGTTTATCTTCCCAC----T--CACCTTTTTTTCTTTGTTA								19638
Cat	TGACTTTGG--CTCAGGT-----CATGATCACACAGTTTGTGGGTTTG--A-GCCCCGTGTCAGGCTCTGCGCAG								22661
Ferret	GATATGTTG-A-TTTAGTT-----AATGTCTTTTTAAAAAATTTTT-----TTTAACTTTTTTTAAAG								19688
Lion	TGACTTTGG--CTCAGGT-----CATGATCGCACAGTTTGTGGGTTTG--A-GCTCCGTGTCAGGCTCTGCGCAG								21260
Vaquita	CAGATTGATCACCATAAA-----CATCTGTCACTGTAAAAAATTATTA-----ATTATATTTCCCAAGC								17309
Pig	CAAATTGATAGTGGTAAGTCTATTAACCATCTGTCACCATACAGAGGTATTACAATACTGTTGACTGCATTCCCTGTGG								15752

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Majority	X- - XXX- - - X- - - - C- - - - XX- - - X- T- X- - - - - XX- - - - X- TXX- - - - X- - - - C- C	
	24330 24340 24350 24360 24370 24380 24390 24400	
Human	GCTCAGCTTTTCTCCAATGATCTGCTTTCTCAGCTCTTCAGGTTTCCGTATATTCACAGAACCATTTCTGTGCTATGTCT	20870
PolarBear	-----	0
Cow	GCTTTCTCTAGTTGCGGTGTGTGGGCTTCTCATTGTGGTGGCCTCTCTTGTTGTGGAGCAGGGACTCTATAATGGGCT- C	20093
Dog	GGCTTGACCAGATTCAG- GTTTAAATTTTA- GCAGGGATA- - TTTTGTGGATATTCTCTATGTAATTCCTATTGTA- T- C	20180
BelugaWhale	-----	C- C 16730
Donkey	AGCTTGATCAGATTCA- - GGTAAATTTTAGCAAGAATA- - TTTTATAGATATACTCTGTAATTCCTGTTGTATCAC	19834
Cat	GGTTTGGTTAACGTC- - TTTTAAGTCTCT- ATAAAGATA- - ACTATGAATCAGTTTACCTTCCATTCCCTTTATT- G- C	22888
Ferret	-----	19690
Lion	GATTTGGTTAACGTC- - TTTTAAGTCTCT- ATAAAGATA- - ACTATGAATCAGTTTACCTTCCATTCCCTTTATT- G- C	21486
Vaquita	-----	C- C 17398
Pig	-----	C- C 15842

Majority	- - - - - TT- XXTTAXTTCTTX- T- - - - - X- - - - X- X- - - - X- - - - TX- - - - T-	
	24410 24420 24430 24440 24450 24460 24470 24480	
Human	TGTAGCAGTACAACAGTGTCTTAATTACTTATGGCATCAGCATTAAAGTTTTGGAATCTTGTACAGTGAGTGTCAAAACTT	20950
PolarBear	-----	0
Cow	AGTTGTTCTGGCGCATACACTCAGTTCCTCTTCTGCATGTGGAATCTTCCCGGACCAGGGATCAAAC- CCGTGTGCCCTA	20172
Dog	A- - CAACAGGAGGAATATATTTATTTCTTTGTAGTGATAACATTTATCAGTGGATTTGGT TTTGTATTGTGATGTATC	20258
BelugaWhale	-----	16730
Donkey	ATCAGGAAGAACATGTTTAGTTACCTCTTT- TGATGTTAGCATTTATCAATAGTTTAGTTGTTGTCAGCTTGATGCATC	19913
Cat	T- - TT- - - - - TTCTTTTATTGCTTATTAGAGAACTGGGTCATCTATTCTGTACGGTTTTCCACTTTGTTGATTT	22956
Ferret	-----	19706
Lion	T- - TT- - - - - TTCTTTTATTGCTTATTAGAGAAACCGGGTCATCTATTCTGTACGGTTTTCCACTTTGTTGATTT	21554
Vaquita	-----	17398
Pig	-----	C- - 15843

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Majority	- ATTA- A- XXT- XT- XCXXXTX- XX- - - - - - - - - T - - CTAAXATAATTTCTAATGTCATGTAAT- - - - GTC	
	<u> 24490 24500 24510 24520 24530 24540 24550 24560</u>	
Human	TGTTTTTCAAATTGTCTTGGTGTCTTCTTCACTGCATTTATT- - TTAAGATCATTTGGCTAAGTTCTGTGAAGGCTCTT	21028
PolarBear	- -	0
Cow	CATTAGCAGGTGGGGTCTTATCCACTGTTAGAACTATGGAAGTCCCTAAAATAATTTCCCAATGCCATGTAAT- - - - CTC	20248
Dog	CAGTATAGAGTGCTCCAAAATCCTTTTACCTTCGTTTTTTTTTTTTTTTTTAAAGAATTTTATTTATTCAGAAAGA- - - - GAG	20334
BelugaWhale	- ATCA- -	16765
Donkey	TGGTGTAGAGTTCTCCATCATCCTT- -	19971
Cat	TGGTG- ATTATACTTCCATGTCATTGTTTTACATGTTCCCTCATGTCCTA- - - - - TTTCTGAGGTGAGGCTTG- - - - ATC	23026
Ferret	- - - - - - - - ACAGAGATCACAAGT- -	19731
Lion	TGGTG- ATTATACTTCCATGTCATTGTTTTACATGTTCCCTCATGTCCTG- - - - - TTTCTGAGGTGAGGCTTG- - - - ATC	21624
Vaquita	- ATCA- -	17433
Pig	- ATTA- -	15877

Majority	XXACAXXAGTTAA- ATTTTCCCAGXXAXTTTTAAGGAAATCTTCTGTATXTTCTTTTTGXATCAXGAATCAAGGAAAGTCA	
	<u> 24570 24580 24590 24600 24610 24620 24630 24640</u>	
Human	TGGGTCTTATTTATACTTGCCTTAAATTTAGTAGTTAATTTGGGAGAACATTATAGCTGCATTATCAAATAAAAATGGCAA	21108
PolarBear	- -	0
Cow	CAACAGTAGTAATCAATTTCCCTGATCACTTTAAAGAAATCTTGTGTATTTTCTTTTAAATCAGGGATCAAGGAAAGTCA	20328
Dog	AGAGAAACAGAGACATAGGCAGAGGGAGAAGCAGGCTCCATGCAGGAAGCCCGATATGGGGCTCAGTCCCAGGACTCTGG	20414
BelugaWhale	TAAACAGTAGTCAA- AGTTTTCCAGTCACTTTAAAGAAGTCTTTTATATTTTCTCTTTGAATCAGGGATCAAGGAAAGTCA	16844
Donkey	GCAAAAATGATGATATTCTCTCCCCTCTTCCCCG- - - CTTCCCTCCATATGTTTGTTAGAATTCTTCTAAGAACTTTTTTC	20048
Cat	AGATTCAGGTTTAAATTTTTAGCAGGAATATTTTTGTAGATGCACTGTGTGTTTTTCTGTTGTATCACACCAGGAGGAACA	23106
Ferret	GCAGGCAGAGAGAGAGAAGGGGAAGCAGGCTCC- CACCGAGCAGAGAGCCCATGTGGGGCTTGATCCCAGGACTCTGA	19810
Lion	AGATTCAGGTTTAAATTTTTAGCAGGAATATTTTTGTAGATGCACTGTGTGTTTTTCTGTTGTATCACACCAGGAGGAACA	21704
Vaquita	TAAACAGTAGTCAA- AGTTTTCCAGTCACTTTAAAGAAGTCTTTTATATTTTCTCTTTGAATCAGGGATCAAGGAAAGTCA	17512
Pig	CAACAGTAGTCAG- AATTTCCCAGTAACTTCAAAAAAGTCTTTTATATTTTCTTTTTGCATCGGGAACCAGGGAAAGTCA	15956

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Majority	GATXX- ATGATCTGXT- - - T- GTGAAGTATAAXATTTX- XTXGX- G- - CT- - XX- CTTCACCCCTCCTGTTTTCTTGATTT-								
	24650	24660	24670	24680	24690	24700	24710	24720	
Human	TTTTTTTTGAGCTGAAAGGCAGAGAACTATAACATTTCTTTGAAGAATT- - - - - TTCCACTTTCTTCTTCATGGTATTTT								21183
PolarBear	-----								0
Cow	GCTTA- CTGATTTGGTAC- T- TTAAGGTCTGTATCCCTGCTGGAGGGGCA- TGACAACCCACTCCAGTATTCTTGCTTGG								20404
Dog	GATC- - ATGCCCTGAT- - - G- CTCAACTGCAGAGTCACCCAGGCATCCT- - - - - CTACCTTCTGGTTTTTATAATGG-								20480
BelugaWhale	ACATG- TTGATTTGGTTC- T- TTTAAGTCTATTTAT- - GTCAG- - - - TT- TTCCTTCTCCCTCCCCCTTTCTTGATTT-								16912
Donkey	CATCAAATAATTTGGTCA- TGCTGAAATACCCTTTTTATAAGAAAAGCAGGATAAGATTTTGACTTAAAAAAAAAATTTT								20127
Cat	TATCTCATTATCTTTT- - - T- GTGACGTAAACATTTATCAGGAGGTTT CAGGTTTGGTTAGCATGATGTATCCAGTATAG-								23181
Ferret	GATC- - ATGCCCTGAA- - - T- GTAAGGCAGAGGCTTAACCCACTGAGC- - - - - CACCCAGGTTCCCCTAGTG- -								19871
Lion	TATCTCATTATCTTTT- - - T- GTGACGTAAACATTTATCAGGAGGTTT CAGGTTTGGTTAGCATGATGTATCCAGTATAGA								21780
Vaquita	GCATG- TTGATTTGGTTC- T- TTTAAGTCTATTTAT- - GTCAG- - - - TT- TTCCTTCTCCCTCCCCCTTTCTTGATTT-								17580
Pig	GCATG- TTGAAATGAT- - - - - TAAGGTATAAGTCA- - GTTTT- - - - - CTTCCCCCTCCCCTTTTCTTGATTT-								16015

Majority	- - - - - ATTCTTTATTAA- - XXTTAATCTGX- - XGTCAATAATTX- X- T- TTGTTGAGTTTTXCGA- AAXGXTGA								
	24730	24740	24750	24760	24770	24780	24790	24800	
Human	CCCTAAGAGACATGCTTAATGCAGAAAATATATTTAAAAGGATTTTAAACAGCTTATATGTAAGGGATGAGGGAACAGGGA								21263
PolarBear	-----								0
Cow	- - - - - AGAATCCTCATGGACAGAGGAGCCTGGC- GGGCTATAGTTCATAGGGTGGAAAAGAGTCAGACACAACCTGA								20474
Dog	- - - - - TTTAAAACGATTTATTAATCATTTAAAATGATTAAT- AATGACTGCAGTTTCATTGAGCATTGCAAAAATGGTGA								20554
BelugaWhale	- - - - - TCTTTGTTAG- - - - AGAAACTG- - - GGT CATCTATTC- - - - - TGTACAATTTTCTGA- - - - - A								16958
Donkey	CCGTTGAGTTGGTACTCTAGCAAACCTCT- GGTGTAACCAGTGTCCCTCTTTATTCTTGTAGTGTCTTTGTGAAGGCAGG								20206
Cat	- TGCTCCCATATCCTTTCATACCTTCTTGATTTTATTAGTTAATAATTGCAGTTTCGTTGGGTATTGCAAAAATGGTGA								23260
Ferret	- - - - - AATGCCTTTTAAGTCTCTTTATA- - - - AAG- AGAAACTGGGT CATCTATGTGATTTTCTACTTTGTTGA								19935
Lion	GTGCTCCCATATCCTTTCATACCTTCTTGATTTTATTAGTTAATAATTGCAGTTTCGTTGGGTATTGCAAAAATGGTGA								21860
Vaquita	- - - - - TCTTTGTTAG- - - - AGAAACTG- - - GGT CATCTATTC- - - - - TGTACAATTTTCTGA- - - - - A								17626
Pig	- - - - - TCTTTGTTGA- - - - G- AATCTG- - - GGTCTACTGTTT- - - - - TGTACAATTTTCAGA- - - - - A								16060

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Majority      TAT- - - - - X- TATACTTX- - XXX- - - - - GTTXATTA- TACTTTXATGTTGTTAXTTTATATGTTTCTCATACCGTATTT
              |          |          |          |          |          |          |          |
              24810       24820       24830       24840       24850       24860       24870       24880
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Human	TACTTGGACTAATATTTCAATATTTCTAAAATTATTGGTTTATTGAGTACGTTCCCTAGAAAACGTTTATTGAAAGCTT	21343
PolarBear	-----	0
Cow	AGCGACATAGCATGCATA- - CAAGCA- - AGTCTATTAATAGGACAGTTTTGTTTTTTT- TTTTTTCTCTCCCCCTTTAT	20549
Dog	TATTCTTTTTTACCCCTG- - CATATTTTGTAGATTCTTTCT- - - - - TTTTTACATCAAATATTTGTACTACTGAAATA	20627
BelugaWhale	AAT- - - - - TATAATT- - TT- - - - - GCTGATTA- TACCTTCATGTTGTCATTTTGTGTGTTTCCCATGTCTTGAT	17020
Donkey	GAT- - - - TTTTACGTTTA- - TTT- - - - - TCCAGTCTTATTGCAATGGTTCTTCTTTTCAAATTCTTGAATTGTTTTA	20273
Cat	TCCACTCCTCCCCCGGCC- - CCCGCCTATTTTGTAGATTTTCTGTTAACTTTTTACGTCAGTATTTTGTACTACTGGAATT	23338
Ferret	TTTTGGTGACTATACCTC- - CATGTC- -	19980
Lion	TCCACTCCTCCCCCTGCC- - CCCGCCTATTTTGTAGATTTTCTGTTAACTTTTTACGTCAGTATTTTGTACTACTGGAATT	21938
Vaquita	AAT- - - - - TATAATT- - TT- - - - - GCTGATTA- TACCTTCATGTTGTCATTTTGTGTGTTTCCCATGTCTTATAT	17688
Pig	AGT- - - - - CTTACTT- - TT- - - - - GCCGATTA- TACCTCCATGTTGTCATTTG- TGTGTTTCTCATATCCTGTAT	16121

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Majority      - - - - TTTCTGT- - X- - - - AACT- - - - - - - - - - T- - - TG TAGTT- X- - - - A- XATGX- GCTTXXX- - GATT- - - - -
              |          |          |          |          |          |          |          |
              24890       24900       24910       24920       24930       24940       24950       24960
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Human	CAAATTTCTCAGAATTGTATAGCATTTTTGAATTCTCTCTTTTACTAATATCAAGCACCTATGTTTCTCCTATTTTC	21423
PolarBear	-----	0
Cow	TGATTTTCTGTTAGAG- - AAAGTGGGCATC- TATTCTGTACAATTTTTTG- AAAATTATGCTTTTGCTGATTTTACCTC	20625
Dog	CCCTTTTTTGTA AAAAACAGGGTAGATTTTGA CTTTAAAAACGTTTCCCTGATGAGTTGGTACTGTAGCAGCCTCCATTTT	20707
BelugaWhale	- - - - TTCCTGT- - - - - G TACT- - - - - - - - - - - - - - - TGTAGTT- - - - - A- GATGAGGCTTGATTGGATT- - - - -	17059
Donkey	- - - - TCTTGGGCCAGCAGGAGCT- - - - - CA- TGACACAAGTAGCTTT- GATATTTACTTGCTTTGAAGAATC- - A- - - -	20335
Cat	CCCTTTTTATAAGAAAACAGGCT- - - - - T- - - - CTACATTTATTTCC- -	23377
Ferret	-----	19980
Lion	CCCTTTTTATAAGAAAACAGGCT- - - - - T- - - - CTACATTTATTTCC- -	21977
Vaquita	- - - - TTCCTGT- - - - - G TACT- - - - - - - - - - - - - - - TGTGGTT- - - - - A- GATGAGGCTTGATTAGATT- - - - -	17727
Pig	- - - - TTCCTG- - - - - G - GTACT- - - - - - - - - - T- - - - GTAGT- - T- - - - A- GATGAGGCTTGATCAGATT- - - C- - -	16161

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Majority	----- X-----XXAAX-----A-----TT-XXXTG-T								
	24970	24980	24990	25000	25010	25020	25030	25040	
Human	TTGATTTGTCTTGTACAGAAATTTATTTTACTGGTCTTTTCAAAGAACCAACCTTTTACTTGTTTTCTTTTTTGTGGG								21503
PolarBear	-----								0
Cow	T-----ATGTTGTCATTTTTT-TCTATTCCTCATATCCTTTAT-CTCTTGTTGA--CTTGTAG--TTAGGTAA-T								20688
Dog	AGCCAGTGTGAAGTTTTTGTGTTA-AGAATCATTGTGATGGCAAGGACTTTTACATTAATTTTCCAGTCTTAGGATGAT								20786
BelugaWhale	-----C-----AG-----								17062
Donkey	-----TTTCCTGCT--TC-AGACTTTTCATTAACCATTTCTTTAAAAAGTGCTGGTCTTTGGGTGGGAAGT								20400
Cat	-----AGTCT--T-----A-----TTGCAATGAT								23394
Ferret	-----								19980
Lion	-----AGTCT--T-----A-----TTGCAATGAT								21994
Vaquita	-----C-----AG-----								17730
Pig	-----AGGTT-TGATTTTTA-GCAA-----GAATGTTAAAT-GT--TAAAT-----TTTTAG--CAAGAATG-T								16212

Majority	-AX-CTTXAXX--X-----XTTTAATTTGAGCAAGTATGATCTC----ATXACACCTGTAXCTTTGAXAGTXACTT								
	25050	25060	25070	25080	25090	25100	25110	25120	
Human	GGCAGTGGAGGGATTCACCTTAATTTGATCCTGAACTCCTTTATTTTCTTTTAAAATGCATTCAAGGTTAAAGGTAATCA								21583
PolarBear	-----								0
Cow	AAGACTTGATCAGAT--TCAA-GTTTAATTTT CAGCAAGAATACTTTGT-AAATGTACGGTGTAAATTTCTAATGTATCAC								20764
Dog	CATTCTTTAAAAGTCTTTG--TTTCATCTAGAGCCAGTGAGAGCTC---ATAACACAGGTAGCTTTGATACTTACTT								20859
BelugaWhale	-----GTTTAATTTT TAGCAAGAATATTTTAT-AAATGTACTCTGTAATTTCTAATGTATCAC								17119
Donkey	GGTCCTTAGAGACCA--C----AATAATCTTGGGCCAGCAGGAGCTC---ATGACACAAGTAGCTTTGATATTTACTT								20469
Cat	CATTCTTTAAGAAGTCTTTAATTTTTCATTTT GAGCTATTGAGAGCTT---ATAACACCAGTAGCTATGATACTTACTT								23470
Ferret	-----TTATTTCTTGAGCCAGTAAGAACTC---GTAACACGGATAGCTTTGATACTTACTT								20033
Lion	CATTCTTTAAGAAGTCTTTAATTTTTCATTTT GAGCTGTTGAGAGCTT---ATAACACCAGTAGCTATGATACTTACTT								22070
Vaquita	-----GTTTAATTTT TAGCAAGAATATTTTAT-AAATGTACTCTGTAATTTCTAATGTATCAC								17787
Pig	TAAATTTTGTT-----GTTAACTTTT TAGCAAGAATGTT-----AAATGTACTCTGTAATTTCTAATGTATCAC								16276

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Majority	GCTT- GAAGXATCATTTCCTTGTTXCAXATTTGTXA- TXGCCATTTCTTTAAGAAAAG- - CTGGTTTCTTTGGGTGGGT-	
	25130 25140 25150 25160 25170 25180 25190 25200	
Human	GCTG- ATAGCTTTGGCTTTTTTTTTTTTTTACTTTTAGAGTTCTCTTTTATTG- - TAAACTTCATTTAAAGGTTT	21659
PolarBear	-----	0
Cow	CCTA- GAAGGAACATGCCTAGTTATCTTTTTGTGA- - TGTT- GACATTTATTAGTAGGTT	20820
Dog	GCTT- GAAGTAGGATTTCTTGTTCCAGACCTTTTGTGGCCACTTCTTTAAGAAAAT- - TCTGGTTCCTTTGGGTGGGT-	20935
BelugaWhale	ACCA- GGAGGAACACGTCTAGTTACCTCTTTGTGA- - TGTTTTATCAGTAGGTTTCTAG- TACTGACATTTATCAGTAGGTT	17195
Donkey	GCTTTGAAGAATCATTTCCTGCTTCAGACTTTTCATTAGCCATTTCTTTAAAAAAGTG- - CTGGTTTCTTTGGGTGGGA-	20545
Cat	GCTT- GAAGTATCATTTCCTTGTTCTAGATC- - T- - - TAGCCATTTCTTTAAAAAAAATCCTGGTTTCTTTGGGTGAGT-	23543
Ferret	GCTT- GAAGTACCATTTCTTGGTCCAGACCCCT- ATTAGCCATTTCTTTATGAAAAT- - TCTGGTTCCTCTGGGTGGGT-	20108
Lion	GCTT- GAAGTATCATTTCCTTGTTCTAGATC- - T- - - TAGCCATTTCTTTAAAAAAA- TCCTGGTTTCTTTGGGTGAGT-	22142
Vaquita	ACCA- GGAGGAACATGTCTAGTTACCTCTTTGTGA- - TGTTTTATCAGTAGGTTTCTAG- TACTGACATTTATCAGTAGCTT	17863
Pig	TCTG- GAAGGAGTATGTCTAGTTACTTCTTTGTG- - - - - GT- GTAGGTT	16318

Majority	- AGGGGTCTXAGGACTACA- GTAATGT- GAGTGCAA- XTGCTAATTGTTGTCAGGTGGTCTTTA- TTCAAAGCT- T	
	25210 25220 25230 25240 25250 25260 25270 25280	
Human	TAAG- - - CTACACAAAAGTAGAGGGAATG- - GTATATAAT- ACACTTTTTCTGTTGGATAATATTAATGCAAATCTCAG	21733
PolarBear	-----	0
Cow	CAGGTGTTCTCTGCTTGATGCATCCAGTATAGAGTGCTCC- ATCATCTGTCTGTACTAGTGGGTTTTA- - - - GTAGCT- A	20894
Dog	- AG- - - TCCTTA- GAGACCAC- - - - AATGT- GGGTGCCAACGTGCTAATTGTTGTAAGGTTGTTACTACTTCAAAGCTCT	21005
BelugaWhale	CAAGTGTCTCAGCTTGATGCATCCAGTGTAGAGTGCTCTTATCATCC- TTTACCTAGTGGGCTTTA- - - - GTAGCT- G	17269
Donkey	- AGTGGTCTTA- GAGACCACA- ATAATGT- GGGTGCAAAGGTGCTAATTGTGTTAGGTTGTCTTTGCTTCAAGGCCCT	20621
Cat	- AGTGGTCTTAAGAGACTACC- GTAAGGT- GGGTGCAAAGGTGCTAATTGCTGTTAGGTGGTCATTACTTCAAAGGCCCT	23620
Ferret	- AGTGGTCTTA- GAGACCACA- GTAATGT- GAGAGCAAAGGTGTTAATTGCTGTTAGGTTGTTACTACTTCAAAGCT- T	20183
Lion	- AGTGGTCTTAAGAGACCACA- GTAATGT- GGGTGCAAAGGTGCTAATTGCTGTTAGGTGGTCA- - - - TTCAAAGGCCCT	22215
Vaquita	CAAGTGTCTCAGCTTGATGCATCCAGTGTAGAGTGCTCT- ATCATCC- TTTACCTAGTGGGCTTTA- - - - GTAGCT- G	17936
Pig	AAGGCCTCTCAGCTGGATGTATGGAGTAGAGAGTGCCAT- ATCATCC- TTTCCCCTAGTGGGTTTTATTTAGTAGTT- G	16395

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Majority	TTXAGTGAATAAAGCXAGXAGXTATTTXAAAA- - - AXX- - - - X- TGTGAGXTCATTT- TTATTTCCAGXATA- - TTTTAC								
	25290	25300	25310	25320	25330	25340	25350	25360	
Human	ATCATTTCATATAATCTGCAGATATATCAGAATGTGTGTCTCTCTATTAATGTGACATTGGTACCATTATAAAGTTTAA								21813
PolarBear	-----								0
Cow	ATAATTGCATAAATCCACTGGGTATTGCAAAA- - - ATG- - - - - GTGATAC- - - - - TCTTCTCCTGCATA- - TGTTAC								20956
Dog	TTTAGTAGATTAAGCTAGCAG- TGTTTTGAGG- - - GCA- GATACTTTGGGCTCATTTGTTATTTCCAGTTCGTATTTTAC								21080
BelugaWhale	ATAATTGAGTAATTTTCATTGGGTATTGCAAAA- - - ATG- - - - - GTGATATTATTT- TTTTCTCCTGCATA- - TATTTT								17336
Donkey	TTCAGTGGACAGAGCTAACAAAT- TTATAGAA- - - ATA- - - CATTGTAAGCCTGT- - - GTATTTCCAAT- - - - - - TCAT								20684
Cat	TTTAGTGAACAGAGCTAGCAAATAATTTGGAG- - - ACATAATATTGTGAGCTCATTTGTTATTTCCAATTTA- ACTTTAC								23696
Ferret	TTTAGTGGACAGAGCTAGTAG- TGTTTTGAAG- - - ACA- AATACTGTGAGCTCATTTGTTATTTTTCAGCTTATATTTAAC								20258
Lion	TTTAGTGAACAGAGCTAGCAAATAATTTGGAG- - - ACATAATATTGTGAGCTCATTTGTTATTTCCAATATA- ACTTTAC								22291
Vaquita	ATAATTGAGTAATTTTCATTGGGTATTGCAAAA- - - ATG- - - - - GTGATACTATTT- TTTTCTCCTGCATA- - TATTTT								18003
Pig	GTAACTGCATAATCTCAGTGGGTCTTACAAA- - - ACG- - - - - GTGGTAG- - - - - TCTTATCACCC- - - - - - CTGC								16452

Majority	- - - - - TTTTTAT- TTTTCTGA- - TTTXXTATTX- GXACCTXTTGTATXAATTATXTAATTTTGCTT- XTAAXACTAX-								
	25370	25380	25390	25400	25410	25420	25430	25440	
Human	AATAATTTCTTAATGTCGTCTAATCTCCAGTATTCAGAATACTTTCTTTTCATTATTTTATTTTTCTTGCCTTTTCTTT-								21892
PolarBear	-----								0
Cow	- - - - - TTAGTAT- TTTTCTA- - - TTCAGAA- - - - GAACTTTTCTCTCAAATATTTGGTTTTACCA- - AAACACCCT-								21018
Dog	- - - - - ATTTTTAT- TCTTCTGA- - TTTTATATTT- GTATCTCTTGTACG- - TTGCATAATTTTCGCTT- TTAATATTAA-								21146
BelugaWhale	- - - - - TAAATAT- TTTTCTG- - - TTGGAA- - - - GAACTTTTTTCGTCAAATATTTAGTCATACTG- - AAACACCCT-								17397
Donkey	- - - - - ATTTAAT- TATACAA- - - CTTATATTT- GTGTGTCTTGTACAT- TGAAAAAATCTTGCTTGCTAATGTTAA-								20749
Cat	- - - - - AGTTTTTAC- TTTTCTGA- - TTTTATATTT- CTACCTCTTGTATAAATTGAATAATTTTGCTTGCTAACATTAAA								23767
Ferret	TTTATAATTTTTAC- TTTTCTGA- - TTTAATATTT- GTACCTCTTGTACA- - TTGAATGTTTTTGCTTGCTAATAGTAA-								20331
Lion	- - - - - AGTTTTTAC- TTTTCTGA- - TTTTATATTT- CTACCTCTTGTATAAATTGAATAATTTTGCTTGCTAATATTAAA								22362
Vaquita	- - - - - TAAATAT- TTTTCTG- - - TTGGAA- - - - GAACTTTTTTCATCAAATATTTGGTCATACTG- - AAACACCCT-								18064
Pig	- - - - - ATGTTAT- TCTTCTAA- - TTTAGCA- - - - GAACATTTTTTCATCAAATATTTGGTCATACCA- - AAACACCTT-								16515

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Majority	- - - - - TATTAAXAGATATXTAGACTAGXTTTTTA- - TAAAAAAXXTXACTATTAAACTGXT- - ATTTTAATTATA							
	25450	25460	25470	25480	25490	25500	25510	25520
Human	- - - - - TTTGTT- GTTGTTAGATAAAGTGAGTCATC- - TGTACAATTTCCACTTTCTGGCTGGGC- GTGGTGGCTCAC							
PolarBear	- - - - -							
Cow	- - - - - TATTA AAAAGAAAAACAGGAGAGATTTTTG- - CTAAAAATTTTCCTTATGAGCTGCT- - AACTCTAGCCTA							
Dog	- - - - CAA- - TAT- - - TACATATGTATACTAGTTTTTTG- - AAAAGGAGCATCAATATTATACTGAT- - ATTGTAATTACT							
BelugaWhale	- - - - - TACCAAAAAGAAAAGCAGGGTAGATTTTT CAGTTAAAAATTTTTCTCATGAGCTGGT- - AACTCCAG- - TA							
Donkey	- - - - - CATTATTACATGTATATACTAGGTTTTTAAAAAGTATTACACTAACATTGTAATTGTTGAATATAGTTTTA							
Cat	ATTGTAATATATGTACATATATATACTAGTTA- - - - - AAAAGGAACATCAGTATTACACTGAC- - ATTATAATTACT							
Ferret	- - - - CAAAATAC- - TGCATATGTATACTAGTTTTTTT- - TAAAGGAACATCAGTACTACACTGAC- - ATTGTAATTACT							
Lion	ATTGTAACATATGTACATATATATACTAGTTAGTTA- - AAAAGGAACATCAGTATTACACTGAC- - ATTATAATTACT							
Vaquita	- - - - - TATCAAAAAGAAAAGCAGGGTAGATTTTT CAGTTAAAAATTTTTGCTCATGAGCTGGT- - AACTCCAG- - TA							
Pig	- - - - - TATTA AAAAGAAAAGCAGGATAGATTTTTCACTTCAAAAATTTTTACTTTAAAAAGCC- - A- CTCCACTGTA							

Majority	XACTACAGTTTTAAXGT- - - T- - - TCTTTGAAGTTXATXTTGT- - - - - CTTATAGTGXAGXCACAGAATTTTAAAGTTTA							
	25530	25540	25550	25560	25570	25580	25590	25600
Human	GCCTGTAATCCCAGCA- - C- - - - TTCGGGAGGCTGAGGCGGG- - - - - CAGATCACGAGGTCA- GGAGATCAAGACCATT							
PolarBear	- - - - -							
Cow	AACTCCAGTACAACGTGAAT- - - TCTTTATTGTTGATGAAAGT- - - - - GTTATTTTGAAGGCAAAGATTTTTACATTTAG							
Dog	GACGATAGGTA AAGGT- - - T- - - TCTTTGTGGTTATTTTTGTT- - - - - CTTACAGTATAATTACAGAATTCCAAAGTTTA							
BelugaWhale	A- CTCCAGTGAATGTGAGT- - - TCTTTAACATTGATGTTAG- - - - - GTCGTTGTGAAGGCAAGGATTTTTACGTTTAT							
Donkey	AGATTTCTTTGCAGTTATTTTTATCCTTAAAATGATTCCACGAAGAGTTTATAGTATAGTTACAGAATTTTAAAGTTTA							
Cat	GAATACAGTTTTAAACT- - - T- - - CCTTTGCAGTTATTTTTGTC- - - - - CTTATAGTATAAAAACAGAATATCAAAGTTTA							
Ferret	GAATATAGTTT GAGGT- - - T- - - TCTTTGCAGTTATTTTTGTC- - - - - CTAATAGTGAATTACAGAATTCTGAAGTTTA							
Lion	GAATACAGTTTTAATGT- - - T- - - TCTTTGCAGTTATTTTTGTC- - - - - CTTATAGTATAAAAACAGAATATCAAAGTTTA							
Vaquita	A- CTCCAGTGAATGTGAGT- - - TCTTTAACATTGATGTTAG- - - - - GTCGTTGTGAAGGCAAGGATTTTTACGTTTAT							
Pig	A- CTA CTGTGCGTTCT- - - - - - TTGTTGTTGTTTCATGTCTTT- - - - - CTCGCCATGAAGGCAAGGATTTTTACATTTAT							

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Majority	TTGACAGAXTTXTTXCXGTGGTTATTCTACTAAAXAXXAT- - TTAGXTTXXTXGTTTTCTXTXGGTTXXGAXTTTTAATX								
	25610	25620	25630	25640	25650	25660	25670	25680	
Human	TTGGCTAACACAGTGAAAACCTGTCTCTACTAAAAATACGAAAAAATTAGCCAGGC- - GTGGTGGGGGGCACCTGTAGTC								22105
PolarBear	-----								0
Cow	T- - - - - CTTATTGCAGTGATCATTCTTTAAAAATGT- - TTGAATTTCTCATCTTGCGCCATCAGCAGCTCATAATA								21227
Dog	TTGAGAGATTTCTCT- TGTGGTTGACTACCAAGTTGA- - - TAGGTTAATGGTTTCATTTTGGTTTGGATTTTTAGGG								21357
BelugaWhale	T- - CCAGTTTTATTGCAATGATCATTCTTTAAAAATGT- - TAAATTTCTC- - - - GGGCCAGCAGCAGCTCATAATA								17605
Donkey	TTGAGAGAATTCTATTTGTAGTTCTCCCACTAAGCTGATAGTTAGGTTTATTTGTTTAAATTTTGGTTTTGATTTTCACTT								20980
Cat	TTGAAAGAATTCTGTGTGTGGTTCTACTACCAAGCTGA- - - TAGGTTTCATGTTTTCATTT- GGTTTTGATTTTTAGGG								23983
Ferret	TTGAGAGAATTCTATGTGTAGTTGACTACCAAGTTGATAGTTAGGCTTAATGGTTTCATTTTGGTTTTGATTTTTAAGG								20549
Lion	TTGAAAGAATTCTGTGTGTGGTTCTACTACCAAGCTGA- - - TAGGTTTCATGTTTTCATTT- GGTTTTGATTTTTAGGG								22582
Vaquita	T- - CCAGTCTTATTGCAATGATCATTCTTTAAAAATGT- - TAAATTTCTCATCTTGGGCCAGCAGCAGCTCATAATA								18277
Pig	TTTCCAGACTTATTGCAAT- ATCAGTCTTAAAAAATGT- - TTACATTTG- TCATCTTGGGCCAGCAGCAGCACATAATA								16726

Majority	XXTGTAATTTTG- X- - - - - AXCTXAAGXATAATTTTTTCTACTXAAAXTTAAATTA- XCTACATTTATAAXAAATC- - - G								
	25690	25700	25710	25720	25730	25740	25750	25760	
Human	CCAGCTACTCGGGAGGCTGAGGCAGGAGAATGGTGTGAACCCGGGAGGCGGAGCTTGCAGTGGCGCCACTGGACTCCAGC								22185
PolarBear	-----								0
Cow	TCACTAGTTTTGCT- - CTTTACCTAAAGTATTATTTTTTCTCCAAAATTTTAGTTA- GCTG- - - - - GAAAT- - - C								21292
Dog	ATTCCACC- - - - - CAAGTGAAAAGTAAA- - - ACTCCATTTATAATGATC- - - G								21399
BelugaWhale	CCGTAATTTTGAT- - ACTTACCTAAGTATCATTCTTCTCCTCCAAAACCTTCAATTA- GCCATTTCTTT- - AAAAA- - - G								17677
Donkey	TTGGCTAAATT- - - - - T- - - TCCAAAGCCAAAACGTAAAAAAAAAAAAAAAAAAGCCACGTTGATAGAAGTA- - -								21047
Cat	ATTTTTTTTCCCC- - TAACATTTTTGGCTAAATTTTCCCAAATCAAAGTAAAATAAACTACATTTATAGAAGTCT- GG								24060
Ferret	ATTCACC- - - - - ATCTTTGGCTTAATTTTCCCAAAGTAAAAGTAAAAC- AAACTACATTTATAATGATC- - - C								20613
Lion	ATTTTTTC- CCCC- - TAACATTTTTGGCTAAATTTTCCCAAATCAAAGTAAAATAAACTACATTTATAGAAGTCT- GG								22658
Vaquita	CCGTAATTTTGAT- - ACTTACCTAAGTATCATTCTTCTCCTCCAAAACCTTCAATTA- GCCATTTCTTT- - AAAAA- - - G								18349
Pig	CCAGTAGTTTTGAT- - - - - ACCTA- - GTATCATTGTTCCTCAGAGACTTTAATTA- GCCATTTCTTTAAAAGC- - - C								16794

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Majority	XTAGGTCTTXXTTGT CXXXCTXGTXTTCTGTGXCTATACCAXTATAGGTGXX- - - GTTTXCATTAATTTTX- - GGTTTGT								
	25770	25780	25790	25800	25810	25820	25830	25840	
Human	CTGGGTGACAGAGCAAGACTCCGTCTTAAAAAAAAAAAAAAAAAATTCCACTTTCTGGATTCTGCTGATTGTACCGCTGTGT								22265
PolarBear	-----								0
Cow	ATGGGTCTTTAGTGGGACCTGGTCTTTAGAGACAATAATAATGTGGGTGCAAAGGTGCCAATGTCTTTTA- - GGTTTGT								21370
Dog	TTAAA- - TTCTTATCCACTCTAATTTGCTTTTTCTATCCCATTATAGCT- - - - - ATTTTCATTAATATTT- - GGTTTAT								21469
BelugaWhale	AATGGTCTTTGGT GAGACCTGGTCTTAGAGACCACAGTAATGTGGGTGCAAAGGTGCCAATTGCTTTTA- - GGTT- GT								17754
Donkey	- - - - - TAGTTGTCTACTCTCCTTTGCTTTTTCTCTCCCCTTA- - - GT- - - - - GTTTTCACTAATTTTT- - GGTTTCT								21109
Cat	TTAATACTTCCTGTCCACTCTCCTTTGCTTTGTCTATCCCATTATAGGTGTC- - - ATTTTCATCAATTTTT- - GGCTTAT								24135
Ferret	TTAAA- - TTCATGTCTACTCTAATTTTCTGTTTCTATACCATTATATC- - - - - ATTTTCATTAATTTTT- - GGTTTTA								20682
Lion	TTAATACTTCCTGTCCACTCTCCTTTGCTTTGTCTATCCCATTATAGGTGTC- - - ATTTTCATCAATTTTT- - GGCTTAT								22733
Vaquita	AATGGTCTTTGGT GAGACCTGGTCTTAGCGACCACAGTAATGTGGGTGCAAAGGTGCCAGTTGCTTTTA- - GGTT- GT								18426
Pig	ATGGGTCTTTGGTAGGACCTGGTCTTGAGACCACAATGATGTAGGTGCACAGGTCCCAAT- TGCTTTA- - GGTT- GT								16870

Majority	TXTTXTTTCXAG- - ATGTXTTXXAATXTXAAAXGCTTXCTACATTCTCXT- - - TCCXATXAAXXTAXAGAGAX- - - GTTX								
	25850	25860	25870	25880	25890	25900	25910	25920	
Human	TGTCATTTTATA- - - TGTTCTTCATGTAACAAGTTTACCTGAAATACAGGGGTTTGATCAGACTCTGGTGTAATTTTTA								22342
PolarBear	-----								0
Cow	TATTGTTTCAA- - ATTTTTT- CACTTGAGAAAGCTAATAAAATA- - - - - AGACATATATATCTGTGTTTCAT- - - - TTC								21437
Dog	CCTTCTTTATCG- - A- ATATAAACATGTGAATTGCTTCCTGCATTCTTTC- - - ACCTGGGCAGTGAAAGAGAA- - AGAGG								21541
BelugaWhale	TATTGTTTCAAG- - GTTTTTTCAATTCACAAAGCTAACAAAAATTTTTTGGAGACAAATGTATTTGAACTCATTTATTTT								17832
Donkey	TCTTTTATTTAA- - - TGTAAGCAAATGTGAATTTCTTCCTACATCCTCCC- - - TCCTACTACCTTAGAGAAAAAGTGGCA								21183
Cat	CCTTCTTTTGTGTAATGTAACAAATGTGAATTGCTTCCTACATTCTCCT- - - TCCCATCACCTAGAGAGA- - - GTGA								24208
Ferret	TACTCTTACGCG- - ATATAACAAACGTGAACTGCTTCCTACATTCTCCC- - - TCCCATCACCTAGAGAGAA- - AGTGG								20755
Lion	CCTTCTTTTGTGTAATGTAACAAATGTGAATTGCTTCCTACATTCTCCT- - - TCCCATCACCTAGAGAGA- - - GTGA								22806
Vaquita	TATTGTTTCAAG- - ATTTTTT- CAATTCACAAAGCTAACAAAAATTTTTTGGAGACAAATGTATTTGAACTCATTTATTTT								18503
Pig	TGTAGTTTC- AG- - GCCTTTT- CAATTGACAAAACCTAACAGATTTTTTTTTCAGGTAAGTGTATTTGAGCGCAT- - - - TTC								16942

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Majority	CAGTGTATACAXAATXTTACAGCTTTXCCT- - TCCTGTTTATTGGTAAGTATATCCTGXAXAT- - - TGCATGGTXTTGCT	
	25930 25940 25950 25960 25970 25980 25990 26000	
Human	CCAAGAATATTTTGCAGATGTAATTCCTGTTGTATGTCAGCTTGCTCCATCTATTACAGAGCGCATCATCC	22422
PolarBear	-----	0
Cow	CAATTCGTACATAAATTTACTGTGTTTCCTTTTCCAATTTTTTTGTTGGTATCTCTTGTAGGT- - - TGAAAATTCTTGCT	21514
Dog	CAGTGTATTCAGAGTATTAATGCTAAG- - - - - - TGTATCCTGGAAATCACACCATAGCTA- - - - TACATGGACAT- - -	21606
BelugaWhale	CAGTTCGTATGTAATTTTACAATTTTTCTCTTCCAGTTTTTT- GTTTGTATCTCTTGTATGT- - - TGTAAACTCTTGCT	17908
Donkey	CAGTATACACAGGGTTTTATATCTTGCCTT- - TTCTGCTTAATGATAAATATATCCTGGAGATCACGCCATTGCTATATA	21261
Cat	CAGTGTATACAGGTTATAACAGCTACAAC- - TCCTTTTTAATGATAAGTTTATCCTGGAGATCACTCCATGGCTGTACA	24286
Ferret	CAGTGTATACAGACTATAACAGCTATAACT- - TCCTTTTTAATGGTAAGTGTATCCTGGAAATCATTCCATGGTTAT- - -	20830
Lion	CAGTGTATACAGGTTATAACAGCTACAAC- - TCCTTTTTAATGATAAGTTTATCCTGGAGATCACTCCATGGCTGTACA	22884
Vaquita	CAGTTCGTATGTAATTTTACAATTTTTCTCTTCCAGTTTTTT- GTTTGTATCTCTTGTATGT- - - TGTAAACTCTTGCT	18579
Pig	CAATTCATATTTAATTTTATGATTTTTCTATTCCAGTTTCTT- GTTTGTATCTTTTGTACAT- - - TGAAAACCTCTTGCT	17018

Majority	----- TXTTGTTATTTTTXTTTXTTXXTACTXCTGTATAGAAAATACATGAGTGXXTCT- - - - - ATTCXCAA	
	26010 26020 26030 26040 26050 26060 26070 26080	
Human	TTTCACCTAATAGTTTTTAGTAGCTAATGATTGCATACTT- TTATTAGGTATTGCAAAAGTGCGCTATTCTTTTTTTCT	22501
PolarBear	-----	0
Cow	AA- - - - - - - - - - - TGTTAACATAATTGCATATATATTT- CTTTAAAAAGCAACATCAGTGGTAACATTGTAGTATATT	21580
Dog	- - - - - - - - - - - TTTTTTTTTTTTTTTTTTTTTTGTGTATTGCTGTATAGAAAGTATATGAGTACCTCT- - - - - GTTCCCAA	21669
BelugaWhale	TGC- - - - - - - TAGTGTTAACATAAATTGCATTTATACTAGTTTCTGTAAAAAGCAACATCAGTGTT- - - - - AACATTAA	17974
Donkey	- - - - - - - - - - - TGAAAATTTTCTCATTCTTTTGTCTGCTGAATAGAAAGTACGAGTGTGCTTCT- - - - - CTTCCCCA	21324
Cat	GGGAAATTTTTGTCTTTTTTTTTTTTTTTTTTTTTTGTACTGCTGTATAGAAAATATATGAGTGCCTCC- - - - - ATTCCCGA	24361
Ferret	- - - - - - - - - - - AAATGGAATTTTTTTTTTTTCTGGTACCACTATATAGAAAGTACATGAATGTCTCG- - - - - GTTCCCAG	20893
Lion	GGGAAATTTTTGTTTTTTTTTTTTTTTTTTTTTTTTTGTACTGCTGTATAGAAAATATATGAGTGCCTCC- - - - - ATTCCCGA	22959
Vaquita	TGC- - - - - - - TAGTGTTAACATAAATTGCATATATACTAGTTTCTGTAAAAAGCAACATCAGTGTT- - - - - AACATTAA	18645
Pig	- - - - - - - - - - - TGCTAATGT- - - TTACATTTATTGCA- TGTATACTAGTTTTTTTTTTTTTTTTTTTAAAGAGACATTAA	17080

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Majority	TAGXGTXTTAAATTTXT - - AGAATA- TATTGTTCAGTXATXXGGGTTTTGCAAGTCTAATTTATGAXXTXGCAXCXGTAT	
	26090 26100 26110 26120 26130 26140 26150 26160	
Human	GTGTATATTAGAATTCTTAAGAATTATATCCATCAACTGTTTGGTCATACGTAAGTACCTTTTTATAAGAAAAGCAGGAG	22581
PolarBear	-----	0
Cow	TTTTGTAATATAATTTT - - AAGATT- TGTTTTGCAATTATTTTTGTCCTCAAAGTGTATTTTCATGAAAAATGTATAGTAT	21657
Dog	TAACCTGTCCAAT- - - - - AGAATA- TATTGTTCAGTGATTGGAGTTTTGCTAGTCTGATATATGAGATGGCACCTTTAT	21742
BelugaWhale	CATTGTAATACAGTTTT - - AAGAT- - - GTTT- GCAGTTATTTTTGTCCTTAAAGTGTATTTTGCAAAGAATGTATAGTAA	18048
Donkey	TAGCCTGCCCAAC- - - - - AGAGTA- TACTGTAAATGATTGGGGCTTTGCCACTCTGATGGGTGAGATGGCATCTAAGT	21397
Cat	TAGCTTGTTGAAT- - - - - AGAGTA- TATTGTTCAGTGATTGGGGTTTTGCCAGTCTGATAGATGAGGTGGCACCTAAAT	24434
Ferret	TAGCCTGTCCAATTTTT - - AGAGTA- TATTGTTCAGTGATTGGGGTTTTGCTAGTCTAACACATGAGATGGCAC- TTAAA	20969
Lion	TAGCTTGTTGAAT- - - - - AGAGTA- TATTGTTCAGTGATTGGGGTTTTGCCAGTCTGATAGATGAGGTGGCACCTAAAT	23032
Vaquita	CATTGTAATACAGTTTT - - AAGAT- - - GTTT- GCAGTTATTTTTGTCCTTAAAGTGTATTTTGCAAAGAATGTATAGTGA	18719
Pig	CATTGTAATATAGTTTT - - AGGATT- TGTTT- ACAGTTATTTTTGTCCTTAAAATGCATTTTCGCAAAGAATGTATAGTAT	17156

Majority	- - AGTATTAATXXGAAT - - XTXXX- T - - TXXA- CAAGAT- AAAC- XC- - TTTTC- - - - AGGTTAATTT- - - - - TGT	
	26170 26180 26190 26200 26210 26220 26230 26240	
Human	AGAATTTGACTTCTTAAGTTTTCTGATGAGTTGTTACCCTAAAACCTCCAGTATAATCAATATGAGTTCCTTTTTGTTGC	22661
PolarBear	-----	0
Cow	TGGGTTTGCCAACAGGTTCAATTTGTTTTTTCCATAAGATGACTCTAGTATTGCT- - - - TAGTTATCTT- - - - - TGT	21725
Dog	T - - GTATTAATTTGAAT - - GTTTT- TATTGTGAGCAAGATAAAAACAG- - TTTTC- - - - AGTTTAATCT- - - - - TCT	21803
BelugaWhale	- - AATC- - - - A- CAG- - - - AATTTTT- - - - - AAAT- - - - - CTATT- - - - GAGATAATTC- - - - - TGT	18085
Donkey	CTAGTATTAATTTGAATGTGTTTT- TAATGTGAGCAAGATTAACAGCTTTTCACTTGAAGGATAATTTCCATTTTCATGT	21476
Cat	GTAGTATTAATTTGAATTTTTTT- - - - CTATGATCAGGGTTAAACAGC- - TTTTC- - - - ATATTAATCT- - - - - TTT	24496
Ferret	T - - GTATTAATTTGAATTTGTTTT- TATTGTAAGCAAGATGAAATGGC- - TTTTC- - - - AGTTTAATCC- - - - - TTT	21032
Lion	GTAGTATTAATTTGAATTTGTTTTGTTCTATGATCAGGGTTAAACAGC- - TTTTC- - - - ATATTAATCT- - - - - TTT	23098
Vaquita	- - AATC- - - - A- CAG- - - - AATTTTT- - - - - AAAT- - - - - CTATT- - - - GAGATAATTC- - - - - TGT	18756
Pig	- - AGTT- - - - A- CAG- - - - AATTT- - - - T- - - - - AAAGT- - - - - CTATTGCC- - - - AG- - - AATTT- - - - - TGT	17193

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Majority	GCCXAG- - - - - TTTTTTAA- XXXGXAACTAGTCTTTCTAXATTTTTATAA- CAXTCTGCATTT- - - - X	
	26250 26260 26270 26280 26290 26300 26310 26320	
Human	TGTTAGTATCGTCGCAACAGCAAAGAGTTTTAATAACATTTATTTTCTAGTGTATTGCAGTAATCATTCTTCTTTTTTTTA	22741
PolarBear	- - - - -	0
Cow	ATTAAC- - - - - TTCAGTTGAAACAATTTTGGTAGTTGTTTTTTTTTA- - A- CTTTGTTCACCTTGAAAC	21785
Dog	GCCTATATAT- - - - - TTTTTTTTAAATGGAGTAACTGGTCTTTCTAAATTTTACACAG- TAGTCTGTATTT- - - - G	21867
BelugaWhale	GTGCGG- - - - - TTCTACC- - - ATCAAGCTAATAGTTAGTTTTATTTGTTA- CATTTTGGTTTT- - - - C	18140
Donkey	ACTGAGAACTAATCTTTTGCCTGTTTTTTTAAAGAGTAACTTGTCTTTCTAAATTTTACATAA- TGGTCTGTATTT- - - - C	21551
Cat	GCCCAG- - - - - TTTTTTAAATGGGGTAACTAGTCTTTCTAAAATTTTATAA- TCGTCTGCATTT- - - - G	24555
Ferret	GCCTAT- - - - - TTTTTTAAAGGGGTAAT- - GTCTTTCTAAATTTTCTCA- - - AGTCTGTATTT- - - - T	21086
Lion	GCCCAG- - - - - TTTTTTAAATGGGGTAACTAGTCTTTCTAAAATTTTATAA- TAGTCTGCATTT- - - - G	23157
Vaquita	GTGCGG- - - - - TTCTACC- - - ACCAAGCTAATAGTTAGTTTTATTTGTTA- CATTTTGGTTTT- - - - C	18811
Pig	GTGTGG- - - - - TTCTACC- - - ACCAAATTGGTAGTTAAGTTTGTT- - - - A- CATTGTGGTTTTAAGAG	17248

Majority	AAXTTTAX- - ATTXTTTTTTGTATCXAAAG- - - - TXATT- TAXGAACTATTTCAAAGTTCATXT- ATAAAACHTAXXAAA	
	26330 26340 26350 26360 26370 26380 26390 26400	
Human	AATTTCTAAGCTGTTTTATTAAATGAAAAGAGAACAATGCTAAGCAGCTTGTATGGTGTGTGTGTGGTTTTTAT	22821
PolarBear	- - - - -	0
Cow	AATTTTGTAGATTGTATTGTGACAGCTG- - - - TCATA- TCAGCATGCATTTTAAAGAAAACHTATTAAAATTGGTGAA	21859
Dog	AAGTTCAT- - AAGTACTTTTTGATCAAAG- - - - TTATT- TAGAAACTATTTGAAAATTTTCATCTGATTAAACTA- - - -	21934
BelugaWhale	ATTTTTA- - GGGAATTTTTTTCATG- - - - - T- - TGAATAAATTTTCCAAAG- - - - - TCAAAACHTGCAAAA	18196
Donkey	AAGTTTA- - GATTCTTTTTTGTACCAAG- - - - TCATT- TAGGAACTATTTCAAAGTTCCTTCTAATGAAACTAAAATA	21623
Cat	AAGTTTAT- - ATTCTCATTTTGTACCAAG- - - - TTATA- TAGGAACTATTTCAAAGTTCATCTGATTAAAACATTGAA	24627
Ferret	AAGTTTAT- - ATGCTCATTTTGTACCAAG- - - - TTATT- TGGGAACCATTTCAAAGTTCATTTAATCAATCTA- - - -	21153
Lion	AAGTTTAT- - ATTCTCATTTTGTACCAAG- - - - TTATA- TAGGAATTATTTCAAAGTTCATCTGATTAAAACATTGAA	23229
Vaquita	ATTTTTA- - GGGAATTTTTTTCATG- - - - - T- - TGAATAAATTTTCCAAAG- - - - - TCAGAACHTGCAAAA	18867
Pig	AGTTT- A- - - - - TGTTTTTTCAC- - - - - TT- TGACTAAATTTTCCAAAG- - - - - TGAAAACHTGAAAA	17299

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Majority	----- CAA- TTACA- T----- XATGGATGTXTXTCXACXXTTXCTGTXCAXTCTACTTTAXTATTTTCAXX-								
	26410	26420	26430	26440	26450	26460	26470	26480	
Human	TTTGTATGAATGTTAAAAACACGGTGGCTAAAGCCTGTAATCCCAGCATT TTTGGGAGGCCAAGGTGGTTGGATCACAAGG								22901
PolarBear	-----								0
Cow	TTTTTGTGCAG- - CCATTTTACAGTTGAGGATGGAAGGGAAAGCAACATTTTCGGCATATTATGCTTTATTATTTCAAGG								21937
Dog	-----								21934
BelugaWhale	----- CAAACTACATT----- CATAGATGTCTAGTCTTTCACTCCTGTCCACTCTACTTTGCTTTTTCTGT-								18257
Donkey	GTTGAGTTTTCGGTCTGTTTTTTTATTTTCTCTCTTTTTCATTAAAATGTCTTACTGCGTCTGACCAAATATTATGGTC								21703
Cat	TTTTTCAGAGTG- - CTGCCTGGGTAGCTCAGCTGGTTAAGTGTCTGACTCTTTGATTTGAGCTCAGGTCATGATCTCAGGG								24705
Ferret	-----								21153
Lion	TTTTTCAGAGCG- - CTGCCTGGGTAGCTCAGCTGGTTAAGTGT T T GACTCTTTGATTTGAGCTCAGGTCATGATCTCAGGG								23307
Vaquita	----- CAAGCTACATT----- CATAGATGTCTAGTCTTTCACTCCTGTCCACTCTACTTTGCTTTTTCTAT-								18928
Pig	----- CAAGCTACA- T----- GCATAGAAGTCTGGTCTTCTACTCCTGTATATTCTACTTTGCTTTTTCTAT-								17360

Majority	--- X- A----- X----- C- - X- X- - X- - - C- - - - TCT----- TATAGAXAT- TTA								
	26490	26500	26510	26520	26530	26540	26550	26560	
Human	TCAGGAGCTTGAGACCAGCCTGGCTCTACTAAAAATAAAATGTG- GTGAAACCCCGTCTCTACTAAAAATACAAAAATTA								22980
PolarBear	-----								0
Cow	AAGGTAAAATGCAAC- - TGAAAC- - - - ACAAAAAACGAC- T- - - - TGTGTAGT- - - - - ATATGGAGAAGGTG								21993
Dog	-----								21934
BelugaWhale	----- C----- C----- CCT----- TATAGGTAT- CTA								18274
Donkey	TATACAGTTTTTTCTTTATGGAATTTATTGAGGTATTCATTACATAGTATGTGATCTACTTTTGTGACTTGTAGATATTT								21783
Cat	TCGGGAGATCGAGCCTCTTTCTGCCCTTACCCACTGTATCTC- - - - TCTCTATTTAAAAAAAAAAAAAAAAAAGGTAA								24781
Ferret	-----								21153
Lion	TCGGGAGATCGAGCCTCTTTCTGCCCTTACCCACTGTATCTC- - - - TCTCTATT- - - - - AAAAGAAAAAAAAAAGGTAA								23378
Vaquita	----- C----- C----- CCT----- TATAGGTAT- CTA								18945
Pig	- AGGTATA- - - - - TAGAA- - - - - AAATATATC- T- - - - TCT----- TATAGATATGTTT								17398

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Majority	- X- TA- AATAGTTGAATTTTXXXX- ATTCTT- - TTAXCCAAXTGAXCAAATGT- - GAATTTGTTTGAGCAXXTATGGTT	
	26570 26580 26590 26600 26610 26620 26630 26640	
Human	GCCCTTTGTTGTTGCACGCGCCTATAGTCCCAGCTACTCGGGAGGCTGAGGCAGAAAAATTGCTTGAACCTGGGGAGGCT	23060
PolarBear	-----	0
Cow	CTGTG- CCTGGTCAAATGTGTCAAAGTGGT- - TAATCGAAGTTTTTCATGCTGG- - GGATTTTTTGGCTGGATGAGTAGGT	22068
Dog	- - - - A- AACAAATTTAATTTTTTCT- ATTTTT- - TTCCCC- - TCATCAAATGTCTTACTGTGTTTGAGCAAATATGGTT	22003
BelugaWhale	TTTTTC- ACTAGTT- - - TTTGGCTT- ATTCTT- - TTATTTAATAGAAGTAAATGT- - GAATTTCTTTTTACGTGCTAGCTC	18345
Donkey	AAATACAGTGGGTAAATTGTATATAACTGAA- - ATATGCAAGTGCGGAATTTAAAAAACCATGGTACACCA- ATGTACTA	21860
Cat	AATAA- AACAAATTGAATTTTGTTC- AATTTTT- - TTTCCCC- - T- - - CAAAATATCTTATTCTGTTTGAGCAAATATGGTT	24852
Ferret	- - - - A- AACAAATTGAATTTTTATT- TTTCTT- - TTTCCCCCATCAAACAAAATGTCTTACTGTGTTTGAGCAAATATGGTT	21225
Lion	- - - - - AACAAATTGAATTTTGTTC- AGTTTT- - TTTCCCC- - T- - - CAAAAT- - - - ATTCTGTTTGAGCAAATATGGTT	23439
Vaquita	TTTTTC- ACTAGTT- - - TTTGGCTT- ATTCTT- - TTATTTAATAGAAGTAAATGT- - GAATTTCTTTTTACGTGCTAGCTC	19016
Pig	TTATT- AATGTTTGG- TTTATTTTGA CTCTT- - TTATTTAATAGATGAAAATGT- - GGATGTCTTTCTGCATGCCCCCTC	17472

Majority	TGAACAATTTAGTCTXT- - - - - ATGGAGXATATTGAGXTATTCATTXCXTA- - GXTTATATTXTGCCTTTGTGXXTTTA	
	26650 26660 26670 26680 26690 26700 26710 26720	
Human	GAGGCAGAAAAATTACT- - - - - - TGAACCCGG- - GAGACAGAGGTTGCAGCGAGCCGAGATTGCGCCACTGCACTCCAG	23131
PolarBear	-----	0
Cow	TGGGTAGACCAGTTGAAGTCCATAGTGATCAAATTGAGACATTCATTGAGAACAGTTGATATTACCCATGTGGGAGATA	22148
Dog	TGTACAATTC- TTCTTT- - - - - ATGGAGTTTATTGAGTTACTCATTACAGA- - GATTATGATCTGCTTTTGTGACTTTC	22074
BelugaWhale	CCACCATCTTAGGGAAA- - - - - AGGTAGCACA- - - - - GAATACACAGGGT- - - - TTAATATCTTACC- TTTTTTACTTA	18409
Donkey	GAATGCTATGAAGCTGTTGATAAATGAAGTAGATTA- - GTATGTACTGAATT- - - AAAAAATCTTTAAGCTTTGTTATTA	21935
Cat	TGCACAATTTCTTCTTT- - - - - ATGTAATTTATTGAGTTACTCATTACATA- - GATTATGATCTGCTTTTGTGACTTTC	24924
Ferret	TGTACAATT- - - TCTTT- - - - - ATGGAATTTATTGAGTTACTGGTTATGTA- - GCTTATGATCTGCTTTTGTGACTTTC	21294
Lion	TGCACAATTTCTTCTTT- - - - - ATGGAATTTATTGAGTTACTCATTACATA- - GATTATGATCTGCTTTTGTGACTTTC	23511
Vaquita	CCACCATCTTAGGGAAA- - - - - AGGTAGCACA- - - - - GAATACACAAGGT- - - - TTAATATCTTACC- TTTTTTACTTA	19080
Pig	CGATCACTTTAGTGAAA- - - - - AGGGAGCACA- - - - - GAATACACAGGGT- - - - TTTATATCTTTTCTTCTTTATTTA	17537

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Majority	AXTGATAXATAAACACXXGGA- - AXCATTXCATATAACTGXATCXTA- - XAGTTTTXAGTATTTAAAXAATAXTAGTAT								
	26730	26740	26750	26760	26770	26780	26790	26800	
Human	CCTGGGCAACAGACTGAGATTCCATCTAAAAACAAAACCATGTATA- - -	TATGTAAGTTTTGAGGAAAAGAGTTGTATGA	23207						
PolarBear	-----								0
Cow	GCTGACATACTCAAAATAGTCAGATCAAGCCTTGAAAATGGGTGGCAC-	CAGCTTGGTTATGTTAATTGTTTTGATGTCT	22227						
Dog	CTAGATATTTAAATACAAGGA- - TGAGTTGCACATAACTGAAACATAT-	CAGTTGAAGAATTTAAAAAATCATAGTATAC	22151						
BelugaWhale	A- TGAGAAATACACTCTGGAA- - ATCACTCCATGGGTATATATGGAA-	- - AATCTCATT- - - TCTTTATACCACTGTAT	18479						
Donkey	AATGAAAAGGGGACAATGCTA- - AGCAGCACATAGAGCATGATCCTGTTTT	GTATCAATATTTAAATCATGTAGATGTAT	22013						
Cat	ACAGGTATTTAAATACAAGGA- - TGAATTGCACATAACTGAAACATAT-	CAGTTGGAGAATTTAAAAAACCGTAGTATAC	25001						
Ferret	ATGAGTATTTAAATACAAGGA- - TGAATTGCATATAACTGAAACATAA-	CAGCTTGGAGAATTTAAAAAACTATGATACAC	21371						
Lion	ACAGGTATTTAAATACAAGGA- - TGAATTGCACATAACTGAAACAT- -	CAGTTGGAGAATTTAAAAAACCGTAGTATAC	23586						
Vaquita	A- TGAGAAATACACTCTGGAA- - ATCACTCCATGGGTATATATGGAA-	- - AATCTCATT- - - TCTTTATACCACTGTAT	19150						
Pig	A- TGATAAATATACATTGGCT- - ATCACTCCATGATTGTGTATGGAA-	- - AATCTCATT- - - TCTTTGTAAGTGTGGTAT	17607						

Majority	AAATATAATAGAATXXCATGAAXTXX- TGTTGATAAAATGAAGTATATTTATAXTGTTXAATTTTTTTT- - - - GAATXTC								
	26810	26820	26830	26840	26850	26860	26870	26880	
Human	AAATTCAGGATAATTAATAAAAGTAAACGAGAACTTCTTTACATATATATATATTTTTTTAATTTTCTC-	- - AGTTAATGTT	23285						
PolarBear	-----								0
Cow	GGGTTCTACATAAATGAAAAAACCT- TCTTGATGCTGTTCTCTACTTGGACATAGTGAAAACGTTCT-	- - - - GTTTTTA	22301						
Dog	CAATATATTAGAATGCTATGTGAAGC- TGTTGGTAAAATGAAGTACATTAGTAGTGTTGAGTTTTTTTC-	- - AGAATCTC	22227						
BelugaWhale	AGAAAGTATGCAAGTGCCTCAG- TTC- CCCCTAGCCAT- - - ATTATA- GTATATTGTCAAATGCTTGG-	- - - - GGTTTTG	18548						
Donkey	GTAAATTTGGGAAAGACAATTAATT- TAAGGATAATAAATTTGGACTGAGGGAGGTCTTTCTCTTTACATTTTCTGTC	22092							
Cat	TAATATACTAGAATGCTACGAAGC- - - TGTTGATAAAATGAACTCGATTAGTAGTGTTGATCTTTTTTTAAAAAATCTC	25078							
Ferret	CAGTATACTAGAATGCGATGAAAA- - - TGTTGATAAAATGAAGTATATTTGTAGTGTTGAGTTTTTAA-	- - - AGAATCTC	21444						
Lion	TAATATACTAGAATGCTACGAAGC- - - TGTTGATAAAATGAACTAGATTAGTAGTGTTGATCTTTTTTTAAAAAATCTC	23663							
Vaquita	AGAAAGTATGCAAGTGCCTCAG- TTC- CCCCTAGCCAA- - - AGTATA- GTATATTGTCAAATGCTTGG-	- - - - GGTTTTA	19219						
Pig	AGAAAGCATATAAGTGCCTTAG- TTC- CCTGTATCCTGCCAGTACA- ATATATTGTCAAATGGTTGG-	- - - - GGTTTTG	17679						

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Majority	TAA- - TGTTTTGA- - TAAATGAAATGAXATTGGTXXTTAAGXAGTAAXTXXGTTTTGATTC- - - TATTGTG- - - ATGAAT	
	26890 26900 26910 26920 26930 26940 26950 26960	
Human	TGAATTTTTTTAA- - CGTAGAAAATGTCAATGGGTTATCTGGGGAGAAAGATTATAGTCCATGAGTCCCCCTGTTGTAT	23363
PolarBear	-----	0
Cow	AAACAAACTGTGA- - CAAGCAGTGAAAAGTGGATACTGTACAATCAGGTGGAATGGAAGA- - - GATTGTGGGACAAGAGA	22376
Dog	TTAGCTGTTTTAT- - TAAATGAAAGGAAAGCAGTGTGAAGCAGCATGTATGGTATGATTA- - - TGTTTTG- - - TATGAAT	22299
BelugaWhale	TC- - - AGTCTGA- - GAGGTGAAATGGCATCTAAATCTAGTATTAATTTGAATTTGTTTT- - - TACTGTG- - - AGCAAG	18615
Donkey	TTTTTGGATTTGAGTTTTATAAATTAATATTTGGAATTGATAATTATTGTTGAATGTTACCAATACTGTTGCATATGTCT	22172
Cat	TAAGCTGTTTTAT- - TAAATGAAAGGAGAATGGTGTAAAGCAGCAGGTATGGTGTGATTC- - - TGTTTTG- - - TATGAAT	25150
Ferret	TAAACTGTTTTGT- - TAAATGAAAGGAAGATGGTGTGAAGCAGCATTTGTGGTGTGATTC- - - TCTTCT- - - - ATGAAT	21514
Lion	TAAGATGTTTTAT- - TAAATGAAAGGAGAATGGTGTAAAGCAGCAGGTATGGTGTGATT- - - - GTTTTG- - - TATGAAT	23733
Vaquita	TC- - - AGTCTGA- - GAGGTGAAATGACATCTAAATCTAGTATTAATTTGAATTTGTTTT- - - TACTGTG- - - AGCAAG	19286
Pig	CT- - - GGTGTGA- - TAGGTGAGATGGTGTCTAAATCCTGTATTAATTTGAACTTGTTTT- - - TACTATG- - - AGGAAG	17746

Majority	ATTAAAXAACT- - - - - X- - - X- - AXTTTTTGTXXAGGAATAATT- - - TTTATTTTCATATATTTTTGXAXT- - GAAGAA	
	26970 26980 26990 27000 27010 27020 27030 27040	
Human	ATATACCTGTATTAATAATATGCAATAAATGCTATTTTAAAAAATGT- - - - CTTATTACATAGAACAGAAG- - - ACCAGAA	23436
PolarBear	-----	0
Cow	GTTGAAGTACCACCAGCCAAACACCAGTCTTCATCCA- AAGAAAGT- - - GATGTTGTATATATGGTGGGATTGGAAAGC	22451
Dog	ATTAGAAACA- - - - - TAATTTTTGGAAAAGAATTGTA- - - AATTTAATGATAAATTTTGGACTGAGGAGAA	22362
BelugaWhale	ATGAAACAACT- - - - - TTTCTGTTTACGGATAATT- - - TCCATTTTCGTGTGTGCTGAA- - - AACTAA	18671
Donkey	ATACGTTCTTTTTAACCCCTCTTACTCTGCCATGAGTAGTGACTGCCATGAATTATTTATGTCTTATTCTTTTCATATA	22252
Cat	ATTAAAAATGTA- - - GATATATATACATTTTTTGGAAAGGAATTGTATTGAATTTAAGGACAAATTTTGGACTGTGGAGAA	25227
Ferret	ATTAGAAACAGA- - - - TAAGTATAAGTTTTTGGAAAGGAATTATA- - - ATAAATTTAATGATTTTTTGGACTGGGGAGAA	21586
Lion	ATTAAAAATGTA- - - GATATATATACATTTTTTGGAAAGGAATTGTATTGAATTTAAGGACAAATTTTGGACTGTGGAGAA	23810
Vaquita	ATGAAACAACT- - - - - TTTCTGTTTACGGATAATT- - - TCCATTTTCGTGTGTGCTGAA- - - AACTAA	19342
Pig	ATTGAACAACT- - - - - TTTCAAGTTTA- AGATAATT- - - TCTGCTTCATGTACCGAG- - - - - AAGAGA	17799

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Majority	TTTTATCTTTT- - - - CTXAXTTTTTGXACT- - - - TGAATXTCTA- CTAATAT- TTGTAATTAXTTG- - TATTTG- - -								
	27050	27060	27070	27080	27090	27100	27110	27120	
Human	TACTAGCTCTCCACGTCTTATGTCTTG- ATCAGTGAAGATTAGCTAGCAAAACAACCATAACTTAGGGATAGCTTTATTT								23515
PolarBear	-----								0
Cow	AGTTATCTAATAAGAGCTCCCTCTGGGGAACCAAATGATTAATTTCAATAAATAT- TGCTACCAATTAGACCAACTG- - -								22527
Dog	TTTTACATTTT- - - - CT- - CTTTTTGACT- - - - TGAATTTTCTA- - - - AATAT- TTGGAATTAAT- - - - - - - - -								22413
BelugaWhale	TCTTATCTCTT- - - - GCCTATTTTTTT- - - - - - - - - ATGAGTAACTGGTCTAAATTT- TCATAGGAATCTG- - TATATG- - -								18734
Donkey	TATGATTTTGTCTGTCAAGCTGCTCC- - ATGAGGTTATTTCACTGGGCCAAGTTTCTTTTATCTTGTTGCTTCATTATTC								22330
Cat	CTTTACGTTTG- - - - C- ATCATTTTGGACT- - - - TGAAGTTTCTAAATTAATAT- TTGGAATTAATTA- - ATATGG- - -								25291
Ferret	CTTCACATTTT- - - - CTAATTTTTTGGACT- - - - TGAATTTTCTA- - - - AATAT- TTGGAATTAATTA- - ATT- - G- - -								21645
Lion	CTTTATGTTTT- - - - CTATCATTTTGGACT- - - - TGAAGTTTCTA- - - - AATAT- TTGGAATTAATTA- - ATATGG- - -								23871
Vaquita	TCTTATCTCTT- - - - GCCTATTTTTTT- - - - - - - - - ATGAGTAACTGGTCTAAATTT- TCATAGGAATCTG- - TATTTG- - -								19405
Pig	CCTTATCTCTT- - - - GCCTATTTTTTTGTAAC- - - - TGATCTTTCTGTCTAAATTT- TTATAGTAATCTG- - TATTTG- - -								17865

Majority	- - - - AAXGTTXXXX- TTCTATTGTATXTGTTTATGXGTTCTTTXTAATCTCTCTXAAACTCTXCTXTGX- TAATGACTXC								
	27130	27140	27150	27160	27170	27180	27190	27200	
Human	GTGGGAAGTGTCATTTAGTATGTCATGTATTA- AAAATCATTGTAGTCTTTTCTCAGAGAGCATCTTATC- - - - TTTCTTGT								23590
PolarBear	-----								0
Cow	- - - - AAAGGAGCACCCAATAAAAAGTGTGTGGATTTATTCAACAGAAAATGCAT- AATCTTCTATCAGGATAATGCAATA								22602
Dog	- - - - AATGTTATCAATTCTGTTGAATATGCTTATGTATTCTTTTTAATCTCCCTTCTACTCTGCCATGAGTAGTGACTGC								22489
BelugaWhale	- - - - AAGG- - - - - - - - TTTGATTCTATTTTTGGCTCAGGTTTTAGGAACAGTTTCAAATTTTATCTG- - - AATAACCTA								18800
Donkey	CCT- AAGCTTTTGTCTTCTCTGCCTGGTCTGATGATGTATAATTGACTCTCTCCCCCTCCCCCCTAAATTTCTCTC								22409
Cat	- - - - AATGTTTTCAAGTCTGTTGTATATGCTTATGTGTTTCTTTTAAATATCCCT- CTACCCTGCTATGAGTAGTGACTGC								25366
Ferret	- - - - AATATTACCAATGCTATTGCATATGGTT- TGTGTTCTTTTAAATTTCCCTTCTACCCTGCCATGAGTAGTGACTGC								21720
Lion	- - - - AATGTTTTCAAGTCTGTTGTATATGCTTATGTGTT- - - - - - - - - - - - - - ACCCTGCTATGAGTAGTGACTGC								23929
Vaquita	- - - - AAGG- - - - - - - - TTTGATTCTATTTTTGACTCAGGTTTTAGGAACAGTTTCAAATTTTATCTG- - - AATAAATA								19471
Pig	- - - - AAGC- - - - - - - - ATAGATAATGTTTTCCCAAGTTTTTAGGATTTATTTCAAATTTTATCTG- - - AATGAATTA								17929

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Majority	CAXXAATTATATTXTCTTTXTA- - - - XTAT- - - - TTTTGTCCAC- T- - X- ATX- CAAAAAT- TAT- - - TGT- TATXTTTT	
	27210 27220 27230 27240 27250 27260 27270 27280	
Human	AGGTGATAGTATTGGCTATCTATGTAGTGTCTTAAGTTCCTTAAAT- - - TATCCTTATTCTTACTTTTTTGTGTACATTGT	23667
PolarBear	- -	0
Cow	CCGCATGTTTATTTGATGACCA- - - - GCCC- - - - CCCCCCCCCC- - AAAAAAAAAAAAAAAAAAAC- - - TAT- TACAACCTT	22667
Dog	CAAGAATTATTTTATCCTTTTC- - - - ATATGTGATTTTGTCCACATGTATATGGCAAAAATGTAT- - - TGT- TTTGTGTT	22560
BelugaWhale	CAACGATTAGATTTTGTT- CTA- - - - TTTT- - - - TCTTTTTTC- -	18843
Donkey	CTGAGATTTGTCTGTTTTGTTAAAAAAAAAATCAACTTTTGGTTTTCTTGGTCTTCTTCAGTTTATCATTGT- TATCTGTA	22488
Cat	CCAGAATTATTTTATCCTTTTC- - - - GTAT- - - - TTTGTCCATGT- - AAATGACAAAAATGTAT- - - TGT- TTTATATT	25430
Ferret	CAGGAATTATATTATCCTTTTC- - - - ATATATGAATTTGTCCATAT- - ATATGGCAAAAATATAT- - - TAT- TCTGTGTT	21788
Lion	CCAGAATTATTTTATCCTTTTC- - - - ATAT- - - - TTTGTCCATGT- - AAATGACAAAAATGTAT- - - TGT- TTTATATT	23993
Vaquita	CAACGATTAGATTTTGTT- CTA- - - - TTTT- - - - TCTTTTTTC- -	19514
Pig	CAGCAATTGGATTTGGGTTCTA- - - - TTTT- - - - TCTTTTCTC- -	17973

Majority	TTTTAAAATATXXTGAXA- - - ATGGTATXCC- XATTTT- TTTTTTTA- TGA CTXXTTTT- - - - TTTTACAATTTXTTTA	
	27290 27300 27310 27320 27330 27340 27350 27360	
Human	TTATAAATAATGTGATCATCTTAATCTACCATTTTGATTATGGTTTGATCATTCTTTTACTATTTCCACTTGTTAGCAA	23747
PolarBear	- -	0
Cow	ATCTGGAAAGTTCTGAT- - - - TGATCAGCTGTATTC- - - ACCAGATA- TTGCACCTTTG- - - - GATTTCCATTTATTTT	22734
Dog	TTCTTGAGTCTTAC- AAA- - - ATGGTATGCC- CATTTTATGTTTTCCA- TGACTTGTGT- - - - TTAAACAATGGTTTTA	22629
BelugaWhale	CATTAAAATATTTTTATT- - - GTGTTTGACCAGATATTATGATCTGTA- TGATTTCTCCT- - - - CTATGGAACCTTACTGA	18915
Donkey	GTCTGATTTTTTATTGGTTGATGAACTAGTGCTTTCACAGCTTCTTG- TAGGTAGGTAGCATACACTTCACCTGTTTCAG	22567
Cat	TTT- - - AATTTTGTGAAA- - - ATGGTATGCC- TATTTTCTGTTTCTC- - TCACTTGTGTTTTACTTTAACAGTGTTTTTA	25501
Ferret	TTCTTGAGTCTTATGAAA- - - ATGGTATGCC- CATTTTATGTTTTATG- TGACTTAAATTTTTTATTAAACGATGTTTTTA	21863
Lion	TTT- - - AGTTTTGTGAAA- - - ATGGTATGCC- TTTTTTCTGTTTCTC- - TCACTTGTGTTTTACCTTGACAGTGTTTTTA	24064
Vaquita	CATTAAAATATTTTTATT- - - GTGTTTGACCAGATAT- - - GATCTGTA- TGATTTCTCCT- - - - CTATGGAACCTTACTGA	19583
Pig	CATTAAACATCTTG- - - - - - - - TGTGGTGGACCATAC- - - CACCTATA- CAGTTTCTTCT- - - - TTATGGAACCTTAGTGG	18038

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Majority	AXTATTAXCXATXXTTTTXXTGAGTTATATXATAX- - - - ATCTTXXTACTXTTGTATAAATCT- - - - TTT- - - AAAA								
	27370	27380	27390	27400	27410	27420	27430	27440	
Human	AGCCTTTATACTTACTAAATTATGATAAAAATGATTATTATAACATGCCCGTTTTACTTAAATGTCTTATTT- - - A- AA								23823
PolarBear	-----								0
Cow	GGTCTTTACAAAATTCACCTAATGGAAAAGATTTCAA- - - - TTCCTAGAAAGACTGTAAAAAGCA- - CCTGG- - - AACA								22804
Dog	ATTATTAGCCATGTTTTGTGTATAGTTATATAATA- - - - - CTCATTGTAGTATAATATTAATCTATCTGTT- - - AAAA								22700
BelugaWhale	GGTATTCATTACA- TAGTAT- GTGATCCACATTTGTG- - - - - ACTTACATACTCATGTATAAA- - - - - CATAA- - - AATA								18980
Donkey	CTTCTTGGCAACACCTCTTTGTTCAAGGAGACCAGAGTGAGTACCTTCCTTCTCCTCCAAGAATCTAGTTTTCCCTCAGGA								22647
Cat	ATTATTAGCCATGCTTTTGTAAATAGTTATGTAATAA- - - - - CTCTTTGCAATGTAGTATTCATCC- - - - - GTT- - - AAAA								25569
Ferret	ATTATTAGCTATGCTTTTGT- - - - AGTTATAACAATA- - - - - TTCATTGCAGTATAGTATTAATCT- - - - - GTG- - - AAAA								21926
Lion	ATTATTAGCCATGCTTTTGTATATAGTTATGTAATA- - - - - CTCTTTGCAATGTAGTATTCATCT- - - - - GTT- - - AAAA								24131
Vaquita	GGTATTCATTACA- TAGTAT- GTGATCCACTTTTGTG- - - - - ACTTACATACTCATGTATAAA- - - - - CATAA- - - AATA								19648
Pig	GGTATTCAC- - - - - T- ACATAGTATGTAACTTTTTTG- - - - - ATTTACATACTGATGTAAAGA- - - - - - - - - - - CA								18092

Majority	TXXCTXATGTATATCX- - TTTCTTGTTGXAXTTCTTTGGGTCATGTXTCXTXTTGAXTX- AAGAATAATGCTGCTC-								
	27450	27460	27470	27480	27490	27500	27510	27520	
Human	CGTTCTGATTGTTATTC- - TTTCTTATTCAGGTTTCTTATTGTCATGTTTTATGTCTGTTTTTCAGGTGTAATTGTCCTC-								23900
PolarBear	-----								0
Cow	GTTCTTTACTCAAACAAGTTTTTAGTTATAGAATTATGAAGTTATGCCTGA- AAAATGGCA- GAAAATAGTGGAACAAA								22882
Dog	TACCCTGATGTGTCTCT- - TTTCTGTTGGAATTCACCTTGGTCATTTACTATTTTTGACTT- AAGAACAATGCTGCTC-								22776
BelugaWhale	TTTTCTTCTGAAAAAT- - - TTTAAAGTCTTAT- - CTGTTGCGTT- TGTCTCTTAATTCATCA- GAAAAAAT- - - - - -								19045
Donkey	ACTTCATATTTGCATCCT- TCCCCCGTGACTTTTGTATGGTCCCTCTTCTCCATAGGAGAAAGTCTTTGTGCTGCTCT								22726
Cat	TACCCTGATCTATCTCT- - TTTCTTGTGGAATTCCTCTGGGTCATTTACTGTTTTTACTTTAAGAATAATGCTGCTC-								25646
Ferret	TACCCTGATGATTTTCT- - CTTCTTGTGGAATTCAACTGGCTCATATACCATTTT- GACTT- AAGAATAGTGCTGCTC-								22001
Lion	TACCCTGATCTATCTCT- - TTTCTTGTGGAATTCCTCTGGGTCATTTACTGTTTTTACTTTAAGAATAATGCTGCTC-								24208
Vaquita	TTTTCTTCTGAAAAAT- - - TTTAAAGTCTTAT- - CTGTTGCGTT- TGTCTCTTAATTCATCA- GAAAAAAT- - - - - -								19713
Pig	TTTTCTTATAAAAAAC- - - TGTAAGTTTTAT- - TTATTACGTT- TGTCTCT- AATTCATCA- GAAAAAAT- - - - - -								18156

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Majority	- - - - XXAACATATTTATT- XACTTCTTGGT- - - - - XCAXGTGGGCAACAGTTTTTGTGTA- - - - - TAXTTCTAAG								
	27530	27540	27550	27560	27570	27580	27590	27600	
Human	- T- - - - CACAAATGTATCC- CATT	TTTGGGTGACAA	AATACCTGATCAC	CTTATCCTTATAG	TT- - - - -	TTCTCCCTAG		23967	
PolarBear	-----								0
Cow	ACAGTGAATGTGTT	CAGTAAAGTTCTT	GGT- - - - -	AAAAATGAAAAAT	GTGTCTTTTATTTT- - - - -	TACTTAAAAA		22949	
Dog	- - - - - TGAAC	TTTTTTTTTTTACT	ACTTGGT- - - - -	ACATGTGTGCAAA	AGTTATTGCGAGTA- - - - -	TA- - - - -	TAAG	22835	
BelugaWhale	- - - - - - - -	TTAATTCATTTATT	GTACAAG- - - - -	GTGGGGATCCAAT	TTTCATTTTTTC- - - - -	TTCTGTCTTA		19099	
Donkey	CAGTCCTGAAACCT	AGCAGAGCCTGGG	AGTGTGTCA	CCCGCAGCCTT	CAGTTTTTGTCTT	GCCGTCTG	GGTAGTTCCAGC	22806	
Cat	- - - - - TGAAC	ATATTTGT- - -	ACTACTTGGT- - - - -	TCATGTGTGCAAA	AGTTTTTGTAGGGTA- - - - -	CATATCTAAG		25706	
Ferret	- - - - - TGAAC	ACTTTTGT- - -	ACCACTTGGT- - - - -	GCATGTGCGCA	AGTTTTTGTAGAGTATA- - - - -	TAT- - - -	CTAAG	22059	
Lion	- - - - - TGAAC	ATATTTGT- - -	ACTACTTGGT- - - - -	TCATGTGTGCAAA	AGTTTTTGTAGGGTA- - - - -	CATATCTAAG		24268	
Vaquita	- - - - - - - -	TTAATTCATTTATT	GTACAAG- - - - -	GTGGGGATCCAAT	TTTCATTTTTTC- - - - -	TTCTGTCTTA		19767	
Pig	- - - - - - - -	TT- TTA	ACTAATCATATTAG- - - - -	G- - - -	TGGGGATT	CAGTTTTTTTTTTT- - - - -	TGTTCTTATA	18208	

Majority	GAXATATATTGCTAXGATX- XTACA- - GTXTGTXXATXTTTTTXXAGGTAATA- - AAGAATATTTATTT- XX- - - - G- TA-								
	27610	27620	27630	27640	27650	27660	27670	27680	
Human	AATCTTTTTT	GTTATATTAAT	CAAAGTTTATTT	GTGAGAATGTT	TATGAAATAT- AAG	AAAATGAACATCA- - -	T- - - - -	24037	
PolarBear	-----								0
Cow	CAAATTTTTT	GGTTAGACCA	AATACA- -	ATTACAGGGT	TTTTTTTAAAGTTTAT- TGA	AATAATTTTGT- - - - -	GT-	23016	
Dog	AATAAAAAT	TGCTAGGATG- -	TAGA- -	GTATGTTGA	ACTTTGCAGGGTAGTA- -	TAGATTTTTTT- - - - -		22894	
BelugaWhale	GAGATAGCC	CAGTTAAAAT- -	ATGCA- -	GTGTCA- - -	TTTTTTTTT	CACATTAC- AGATA	CATATATTTTAG- - -	GGTA- 19166	
Donkey	AACTCTT	CCATCTGGGGAT	GATAGATGGT	AGTTGGATGGG	ATTATGATGATA	AACAGAATGTCCA	AATAACCAAGAGGAAA	22886	
Cat	GACAAGT	ATTGCTAGGATG- -	TACA- -	GTGTGTTAA	ACTTTCATAAGGTAGTA- -	CAGATTATTTGTTGGT	TTTTGCTC-	25779	
Ferret	AATAAAT	AGTTCTACAAT	GTGTAGA- -	GTATGTTGAG	CTTTTCAAGGTAATAC- TAG	ATTATTTTCAAAGT	ATTGCTC-	22135	
Lion	GACAAGT	ATTGCTAGGATG- -	TACA- -	GTGTGTTAA	ACTTTCATAAGGTAGTA- -	CAGATTATTTGTCGGT	TTTTGCTC-	24341	
Vaquita	GAGATAGCC	CAGTTAAAAT- -	ATGCA- -	GTGTCA- - -	TTTTTTTTT- CACATTAC-	AGATATATATATTTTAG- - -	GGTA-	19833	
Pig	GAGATAAT	TAAAATATAT- GGT	ACC- -	ATTTTT- - -	TTCCTATTAAGATATAT-	AAGTATATACTT- - - - -	TA-	18271	

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Majority	- - - - - XAGTTTATG- CCAATAXAAGAAXATAAGAATXCTXACTXTT- - ATATTCTXATCAXCA- - - - - TTGXTCA								
	27690	27700	27710	27720	27730	27740	27750	27760	
Human	- - - - - GAACCTGTCACTCAAATAAAAAAAGCTTGAATGTTACCAATACTATTGTATATTCCATATGCAGCAATATTGC								24109
PolarBear	- - - - -								0
Cow	- - - - - GTGGTTCTG- CCATCACCCCTAATAGTTAGAT- TTGTTTGT- - ACATTTTGATTTTCAT- - - - - TTTTAGG								23078
Dog	- - - - - CAATGTAT- - - AACAGTAGTATATAAGAATTCTTCGTGTTTTAGATTCTCATCAAGAA- - - - - TTGGTCA								22956
BelugaWhale	- - - - - AAGGCTAAG- CCACTATAACAAAATGGTAATGCAGAACATA- - GTGGTGTAATAAC- - - - - CT- - AGA								19225
Donkey	AAAAAAGAAATTTATG- TCACTGGAATGAATGCAAATGTCGTTTAAACTGTACTTTTGTACTTATATTTGTCTGTGCT								22965
Cat	- - - - - CAGTTAATG- TTAACAGTAGTATACAAGAGTTCTTACTGTTTCAGATTCTCATCAGCAC- - - - - TTGGTCA								25844
Ferret	- - - - - CAATTTAT- - - GATAATAGTATATAAGAGTTCTTGCCGTTTCACATTCTCATCAGCCC- - - - - TTGGTCA								22197
Lion	- - - - - CAGTTAATG- TTAACAGTAGTATACAAGAGTTCTTACTGTTTCAGATTCTCATCAGCAC- - - - - TTGGTCA								24406
Vaquita	- - - - - AAGGCTAAG- CCACTATAACAAAATGGTAATGCAGAACATA- - GTGGTGTAATAAC- - - - - CT- - AGA								19892
Pig	- - - - - AAGACTATG- CAACTGTAACAAAATGCAA- - - ACATAA- - ACAGCCTAACAGC- - - - - CT- - ACA								18325

Majority	AGTTTTTTTTTCA- - - - - TXAGTXXATGXC- ATXTTGGTXXTAAX- AAXTTCTXXGTCTTXXTTT- - ATATXXTCXT								
	27770	27780	27790	27800	27810	27820	27830	27840	
Human	TTTTTTTTTTTTAGAGTCTTGCTCTGATACCCACGCTGGAGTGCAGTGGTGTCTCTCGGCTCACAGCAAGCTTCGCCTC								24189
PolarBear	- - - - -								0
Cow	GAATAGTTTTTCACTT- - - TGAATAAATTTT- CCAGAGTTGCAAAAC- AAGCCACATTCATAGATGTC- - TTCTACTCCT								23151
Dog	AGTTTTAAATTCC- - - - - TTAATATTTGCT- ATTTTGGTATGTAAAT- ATTTTCTTTGGTCTTTTTTT- - ATATTTTCTT								23026
BelugaWhale	AGTTGATTTTTCA- - - - - TAAGTGAAAGTC- CTGCAGTTGTAAGA- - AAATGGTATCAGT- - ACGCT- - CCATGAGGTT								19292
Donkey	GATTTCTTTCTCTAATTGGTATGTAGATTGT- ATCTTCCTATATTA- - GTATTTTCTAATTGTTTTT- - TTGGGATGCT								23040
Cat	AGTGTTAAATTCC- - - - - TTGGTTTTTGCC- ATCTTGGTATGTAGT- AATTTCTTTGGTCTTTCTT- - ATATTTCCCT								25913
Ferret	AGTATTAATTCA- - - - - TTAATTTTAAAG- ATTTTAGTGTGTAAT- ATTTTCTTTGGTCTTGCTTT- - ATATTTTCTT								22267
Lion	AGTGTTAAATTCC- - - - - TTGGTTTTTGCC- ATCTTGGTATGTAAAT- AATTTCTTTGGTCTTTCTTT- - ATATTTCCCT								24476
Vaquita	AGTTGATTTTTCA- - - - - TAAGTGAAAGTC- CTGCAGTTGTAAGA- - AAATGGTATCAGT- - ATGCT- - CCATGAGGTT								19959
Pig	AGTTATTTTTTCA- - - - - TAAGCAAAGTT- CTACAGCTATAAGA- - AAATGATATCAA- - ACTGTT- - CCATGAGGTT								18392

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Majority	AXTTAXTAATXX- - GGXTAC- - - XTTTTTTTCCC- - - - CAAXATGTTTATGTT- - X- - - TAAX- - - - GTTTTGAT- - -													
	27850	27860	27870	27880	27890	27900	27910	27920						
Human	CCTGGTT	CACCCATT	TCTCCTGC	CTCAGCCT	CCCGAGT	AGCTGGG	ACTTCAGG	CACCCGCC	ACCA- - -	CACCCGG	GCTAA			24265
PolarBear	-----												0	
Cow	G TTCATT	CTACTTT	GCTTATT- -	GTATTCCC	CCTTA- - -	CAAAGGG	T TTTCTACT-	TTCATTA	AAT- - - -	TTTTTGT	TTTAT			23219
Dog	AATTACT	AATTTA- - - - -	T- TTTCCC	C- - -	TAACATG	T T TATGAC-	CAT- -	TAGT- - - -	G TTTCT-	- - - -			23075	
BelugaWhale	ATTCACT	G- - - - -	GGCTAA- - -	GTTTTTTT	CAT- - - - -	CTGTTTTT	T T T- - - -	CATGAC-	- - - -	CTAATG	A T- - -			19342
Donkey	AGTTTCT	CATGAAGT	GGTCATTG	T T TACT	A T A C C A G A G G A A A A A T	G G T C T G T	G G T C A T A T T T A A C A A G G G G C A T C G A T G C T							23120
Cat	AATTATTA	AATGAGGCG	T T T A C A T C T T T A T T T T C T C C- - -	CGACATA	C T T A T T T T- - -	T T T T T T A A T- - - -	T T T T T T T T C A A							25983
Ferret	TATTATT	AGTGAAGT	G T T A C A T T T T A T T T T T C C C T- - -	CAATATG	T T T A T G G C- -	CAT- -	TAGT- - - -	G T T T C T A C- - -						22332
Lion	AATTATTA	AATGAGGCG	T T T A C A T C T T T A T T T T C C C C- - -	CGACATA	T T T T A- - - - - - - -	T- - - - - - - -	- - - - - - - - - - -							24523
Vaquita	ATTCACT	G- - - - -	GACTAA- - -	GTTTTTTT	CAT- - - - -	CTGTTTTT	T T T- - - -	CATGAC-	- - - -	CTAATG	A T- - -			20009
Pig	ATTCACT	G- - - - -	GGCTAGG- -	GTTTTTTT	CCAT- - - -	CAGGTTG	C T T C A G T A T T C C G T G A G- - - -	G T T T T G T T- - -	T					18452

Majority	- - - T X T G T A T A A T T A- - - X A A T- - - T A T T T T T T T T T- - - - T- - G X T X X T T A- - - C T T A- - - X- A- T X T A A C C C X- - T													
	27930	27940	27950	27960	27970	27980	27990	28000						
Human	T T T T T T	G A A T T T T T	A G T A G A G A C G G G G T T T	C A C C C T G T	T A G C C A G G A T G G T T T T	G A T C T C A T G- A C C T C G T	G A T C C G T C T							24344
PolarBear	-----												0	
Cow	T C T T C	A T T T A A T A G A A G C A A A T G T G A G T T T T T T C T G C A T G C T- -	CCCTCCT	A G C A T C T T A G A G A A A A T A T A G C A C A G A A										23297
Dog	- - -	T T T G T G A A A T T T T A T G A A A T A C C T A T T T G T T T C T T- - -	T- -	G C C T A A T A A A A A T T T G- - -	A- A-	T T T A A C C A G- - T								23139
BelugaWhale	- - - - -	A T A T A A T T A- - - - - - - - -	T G T T T T T T T T- - - - -	G T- -	T T T G C T T A- - -	C C T A- - - -	A T T C T C A C C C A A A G							19389
Donkey	C G A T G C T T A T C T T A A C A C T C A A T T T C T T T C T T T G A T T G A A T A T A A G A T C A A T T G A C G T C T A T C- T T A G A T G A A T T A A A T T													23199
Cat	C G T T T A T T T A T T T T T T T G G G A C A G A G A G A C A G A G C A T- - -	A- -	A A T G G G G G A G G G G C A G- - -	A G A- G A G A G G G A G- -	A									26051
Ferret	- -	T T T T G T G A A A T T T T T G T C A A A T A C C T A C T T G T A T C T T- - -	T- -	G C C T A A T A A A A A T T T G- - -	A- A-	T C T A A C C A G- - T								22397
Lion	-----												24523	
Vaquita	- - - - -	A T A T A A T T A- - - - - - - - -	T G T T T T T T T T- - - - -	G T- -	T T T G C T T A- - -	C C T A- - - -	A T T C T C A C C C A A A G							20057
Pig	T T G T C T G C A T G C C T G A T- - -	A A T G T G T A A T T A T G C T G- - - - -	T- -	C T T T T T T C- - - - -	C T T A- - - - -	A- - -	T A G T T C T- - -							18507

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Majority	TACX-AG-GTTTAT--TATGTTGTATTGTTTTXATXATXTTAA--AT-----TTAXGTTTTAXTXAT-ACT-CT-----	
	28010 28020 28030 28040 28050 28060 28070 28080	
Human	GCCTCGGCCTCCCAAAGTGC-TGGGATTATAGGTGTGAGCTACTGCGCCCAGCCCA-ATATTGCTTTTTAATCCCCCTTC	24422
PolarBear	-----	0
Cow	TACACAGGGTTTTAA--TATCTTGACTTTTTAACATAATGTTAA--ACATATCCTAGAAGGTAAATAT-ACC-CTGGAAA	23370
Dog	TACATAGTTTTT-----TATGTATCA--TTGTTGCTGATTCTCT--ATTGGTTAT-----TGCTAAT-ATT-CTCTC--	23200
BelugaWhale	TTT-----GTCTAT--TCTGTTGTCTTGTTCCTCAAAAAATCAA--AT-----TTTGGTTTTATTGAT-CCT-CT-----	19447
Donkey	TAAAAAACACTTATTCTTATAAGAGATTGTTATTCTGAGTTAAGTACTACTAATGTGTTTCATCAGCCACTACTGTAGA	23279
Cat	CACAGAATCGGAAA--CAGGCTCCAGGCTCTGAGCCATCAGCC--CAGAGCCTGACGCGGGGCTCAA-ACT-CACGG--	26122
Ferret	TTTGTAGTTTTTTT--TATGTATTA--TTGTTACTGATTTTCT--ATTGGTTATATGTGTTGCTAAT-ATT-CTCTC--	22466
Lion	-----	24523
Vaquita	TTT-----GTCTAT--TCTGTTGTCTTGTTCCTCAAAAAATCAA--AT-----TTTGGTTTTATTGAT-CCT-CT-----	20115
Pig	TACTCAGAGTTTGT--TTTGTGTCTTGTTCCTCAAAAAATCAG--AT-----TTTGGTTTTATTGAT-CCT-CT-----	18570

Majority	TTAGTTTTGTAXTTX-XATATGGX-----TTTTATTTTTTTAT-----TGGXT-GAATG-----T--X--X-A-	
	28090 28100 28110 28120 28130 28140 28150 28160	
Human	TTACCCTGCCATGGGTAGGTGGCTGCCACAACCTTTTGCTTATTTTTTCAATATGGATTTT--TCATGTAAATGACAAAA	24500
PolarBear	-----	0
Cow	TCACCTTCATTGCTA-TATATGGAAAATCTTCTCATTCTTTATACTGC-TGGTTAGAATGCAGATTCCTCAGTTCCCCAT	23448
Dog	ACAGTTTGTAGCTT-TACTTGGCA--CTTCTTAATGGTGTGTTTTGA-TGAACAGAACCTGCTAATTTTAAT-GTATAG	23274
BelugaWhale	TCGGTATGTCATTG--TATGTA-----TTTTATTTTTTTAT-----TGGTT-GTATG-----	19491
Donkey	ATACCCTTCAATCACTATGCTGTTGAGTCATTTCGATTTTATATCCCAAGTTAAACAACCTGTGCCAGGGTATTTCAAATAA	23359
Cat	ACCGCGAG-ATCGT-GACCTGGTT--GAAGTCGGATGCTTAACCGAC-TGCGCCACCCAGGCGCCCCTCTCC-CGACAT	26195
Ferret	CTAGTTGGTAGTTT-TCCTTGGCA--CTACTTAATGCTGTGTTTTGA-TGAACAAAAGCTGCTAATTTTAAT-GAATAG	22540
Lion	-----	24523
Vaquita	TTGGTATGTCATTG--TATGTA-----TTTTATTTTTTTAT-----TGGTT-GTATG-----	20159
Pig	TTGGTGTGTTGTTA-ATATGTG-----TTTTGTATTTTTAT-----TGGTT-GAATG-----	18615

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Majority	AG- - TTTX- - XXXX- - XXTXXA- TTGCTTGXXCAATTTTTAGTAXXAX- TXXTX- XXT- TTCGTATGTTXAGCATTXAG	
	28170 28180 28190 28200 28210 28220 28230 28240	
Human	ATATATTT- - - AGTTTTTTTTTTAGTTTATGGAAACGGTATGCCTATATAATGTTTTCCATGTCTTGTGTT- TTAATTCAA	24576
PolarBear	-----	0
Cow	AG- - - CCTGC- CCAGCATATTGAAATGCTTGGAATTTTGCTAGTCTGAGAAGTGAGATGGCATATATGTCTAGTATTAAT	23524
Dog	AG- - - TTT- A- ATATGGCCACAAATTCCCTGTGCCATCATAATTAATAA- TATT- - TGTGTTCTTTTTCTACCTGTTTGG	23346
BelugaWhale	AG- - - TTTG- ----- TGCTTTACAGCTTTTAGC- ----- AGGTAGGT- - AGCACTCAG	19533
Donkey	AACGTTCTGTGAGATAACATGGAATGTTAACGTTATCAGTACTGTAGAAGCACTTCTTTTGCCTATAATAGTGGTTAAG	23439
Cat	AC- - - TTA- T- GGTCAATTAGTGTCTTTTTGTGAAATTTTATGAAATATCTATTTATGTCTTTGCCTAATAAAAATTTGA	26270
Ferret	AG- - - TTTTA- ATATGGCTACAAGTTCTCTGTGCCATCATAATTAATAA- TATTTATGTGTTCTTTTTCTACCCATTTAA	22615
Lion	----- GGTCAATTAGTGTCTTTTTGTGAAATTTTATGAAATATCTATTTATGTCTTTGCCTAATAAAAATTTGA	24592
Vaquita	AG- - - TTTG- ----- TGCTTTACAGCTTTTAGC- ----- AGGTAGGT- - AGCACTCAG	20201
Pig	AG- - - TCTG- ----- T- ----- GCCTTCACAGTTTCTAGT- ----- AGATATGT- - AGCACTCAG	18657

Majority	TTXTXTTCCTT- - - - - TTTATCXTTTTT- A- - - TTTGXTAXTGATTGTXXGAAATXTXTAX- - - - - ATGAGT- TG	
	28250 28260 28270 28280 28290 28300 28310 28320	
Human	TAATGATTCTAATAAATAGCCGATTTTTTTGGATAGTTTTATAATACTCATTGCTGTGATATACTCTTTTGTGAAAATAC	24656
PolarBear	-----	0
Cow	TTTTTTTTCTTT- - - - - TCTTTTTTTTTTAAACTGTGATCAAGATTAAGGGTAATTTTCATT- - - - TCATGTGC- TG	23591
Dog	ATCTTTCCC- - - - - TTGTTCTTATGGCAGTCTTAGCTGTTGATTGTTGGAAATCTTT- - - - - TT- - T- - -	23401
BelugaWhale	TCCACCTCCTT- - - - - TGTAGCACCTTT- - - - - GTGTTTGTGGAGGCCAGAAATAC- - - - - ATGAG- - TG	19586
Donkey	CTTTGTACTIONACTGGAAAAGCAAACATAGTTGCCTTTTTATTAAAAAAGTGATACATTTATAAATATCTCAAATTTGCA	23519
Cat	ATTTAACCAAC- - - - - TTTATAGTTTTTTATGTATTGCTATTGATTCTCTGTTATTTATGTTACTCATATCATTCT	26342
Ferret	ATATTTCC- - - - - TTGTTCTTTTGGGAATCTTAGCTGTTGATTGTTGGAAATCTTTAAAGCAGTCTCTAATAAT	22684
Lion	ATTTAACCAAC- - - - - TTTATAGTTTTTTATGTATTGCTATTGATTC- CTGTTATTTATGTTACTCATATCATTTC	24663
Vaquita	TCCACCTCCTT- - - - - TGTAGCACCTTT- - - - - GTGTTTCGTGGAGGCCAGAAATAC- - - - - ATGAG- - TG	20254
Pig	TCCACCTCCTT- - - - - GTAGCACCTTT- - - - - GTGTTGAAGAAGGCTAGAAATACTCAT- - - - - ATGAG- - TA	18714

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Majority	CTAAGTXTTGAAACCTTTCATAGCTCXTAAAGATACCATGXTTX-XXAAATGTTX--AX-----TCTTTXTTTT--											
	28490	28500	28510	28520	28530	28540	28550	28560				
Human	CCAACATAGT	GAAACCCCAT	CTCTACTAAA	AATACCATAA	TAGCGGGG	TATGGTGGT	GGG-----	TGCCTGTAG	TCC 24885			
PolarBear	-----	-----	-----	-----	-----	-----	-----	-----	0			
Cow	TTCTGTTTT	CTCTTCTT	ACTTTTCA	TAAAAAT	ATCATGTT	TGATCAA	AATATTAC	GATCTGT	ACAATTT	CCTTATTT	TG 23815	
Dog	CTAGGCCAA	AGGCAGGC	GCTAAACT	GCTGCACC	ACCCAGG	GATC-CC	GATTGTT	GGAAA--	-----	TCT-----	T-- 23595	
BelugaWhale	CTCAGTCCT	GAAACCTG	TGAGAGCC	CA--AG	GA--CT	GTGATA--	---AGAT	GTTA--	-----	TCTCTGT	TTTTTCT 19764	
Donkey	GCATGTCCT	GTCACCAC	ACATCAA	AATTAC	AGGCTTT	CTTTTTT	ACTTAAT	GGACTT	AGGTTCC	ACACCCT	TTCATCT	CCA 23759
Cat	CCACCATTT	GAATCTT	TGCCTT	GTTCTT	ATTGAT	ATCTTT	GCTG-TT	GATTGTT	GGAAA--	-----	TCTT-----	26537
Ferret	ATACATTAC	AAAAAT	TTTTAA	AGTTAT	GCCTTT	TACAAT	GGTCT-CT	AATTCAT	CAGAAAT	TTA---	TTTTTT	GTTTGT 22912
Lion	CCACCATTT	GAATCTT	TGCCTT	GTTCTT	ATTGAT	ATCTTT	GCTG-TT	GATTGTT	GGAAA--	-----	TCTT-----	24858
Vaquita	CTCAGTCCT	GAAACCTG	TGAGAGCC	CA--AG	GA--CT	GTGATA--	---AGAT	GTTA--	-----	TCTCTGT	TTTTTTT 20432	
Pig	CTCAGTCTT	GAAATCTT	TGAGAGCT	CACGAAG	A--CT	ATGATAT	A-ATGTT	A-----	-----	TCTCTGT	TTTTGC 18896	

Majority	XAA-----TXAGGAAGCXATGXCTTAGAATAXXTTTTA--TTXCCAXXTACATA-GTXGTTGAXAXXTGAXXT-XTA														
	28570	28580	28590	28600	28610	28620	28630	28640							
Human	CAGCT--	ACTCAGG	AGGCTG	AGACAGG	AATCGCTT	GA---	ACCCAGG	AGGCGG	AGGTTG	CAAGT	GAGCTG	AGACCG	C 24959		
PolarBear	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	0		
Cow	AAACT-	TATTGAG	GATTTC	ATTACAT	AGTATGT	GATCCACT-	TTTGT	GACTTAC	ACTCAT	AGATAAAA	AAGATAT	TTTTCT	G 23893		
Dog	-----	TAAAG-	C-AAT	CTCTA	AATGTT	TTTTTA--	AGTT--	---TTC	ATCTAT	TGTTGG	GATA--	GTTTTTT	T 23653		
BelugaWhale	AAA-	-----	TGAGT	AAGTTA	AGGTTT	AGAACA-	GGTAAG	TAAATTT	TACCAG	TGACATA-	GTAGGT	GAAAGCT	GAA---	CTA 19833	
Donkey	GAATT-	ACTTAT	GAATCC	ACTGGG	TGGAA	GATTTTG-	---ACT	CACAAG	TAAAG	CAACAT	CTAAAG	AGTAA	ACTGG	T 23834	
Cat	-----	TAAAG-	---CC	ATCTCT	AGTAAT	AGTTTTTA-	---TG	TT---	TTCAT	CTGTT	GTTGGG	ATACAG	TTTTCT	T 26597	
Ferret	GTATTGT	GTTAAG	GATCCA	ATTTCT	TTTTT	ATCTTTTT	TT--	CTTCCC	CCCCT	TTATAG	AGATA-	GCCAG	T 22987		
Lion	-----	TAAAG-	---CC	ATCTCT	AGTAAT	AGTTTTTA-	---TG	TT---	TTCAT	CTGTT	GTTGGG	ATACAG	TTTTCT	T 24918	
Vaquita	AAA-	-----	TGAGT	AAGTTA	AGGTTT	AGAACA-	GGTAAG	TAAATTT	TACCAG	TGACATA-	GTAGGT	GAAAGCT	GAA---	CTA 20501	
Pig	AAA-	-----	TGAGG	AAGTTA	AGGCTT	AGAATA-	---GTT	CA---	TTTACC	AGTTAC	ACA-	GTAGGT	GGAAGCT	GAA---	CTG 18961

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Majority	CAGAXACATTTX- X- - T- XTTGCCATATTGTATGATTATCXTAXAXAXAAAXAXAA- TX- XTXAAT- CA- - XXAX- A- TX	
	28650 28660 28670 28680 28690 28700 28710 28720	
Human	CCATTACACTCCAGCCTGTGTGACAGACTGAGACTCCATCTCAAAAACAAACAAAAAAAAACAACAACAAAAAAGATTT	25039
PolarBear	-----	0
Cow	CTGAAAAATTTTAA- - - - AGTCTTATCTATTCTGTTTCTAATTCATCAAAAAATATTTTAGTTACTACACTGTTTAGGTG	23969
Dog	AATAGAGATTT- - - - - T- GTGTCCACTCTGTAGGAGAATTTA- - - - - T- - - - - - - - - - - - - - - - - C	23691
BelugaWhale	CAGAATCCTTTTTCTTA- AATGCCATATGGCATAATTGTCATAGAAACAAAGAAAAGTTAATTCATCACATCAATC	19912
Donkey	ATATGTATTTGCACAGA- GGTCAAATATACTCTTGAAAAGTGAAGAAGGCAATGTTTTTTGAGAAGAAGGGTAGTTGTT	23913
Cat	TAGAGAAATTT- - - - - T- GTGGCCACTCTCTAGGAGTATTT- -	26632
Ferret	AAATTACAGTTCCA- - T- TTCTTCACATTTTAGGTAATAAAAGGGTGAAGGCTAAGTTACTGTATTAATGCAGAACAT	23064
Lion	TAGAGAAATTT- - - - - T- GTGGCTACTCTGTAGGAGTATTT- -	24953
Vaquita	CAGAATCCTTTTTCTTA- AATGCCATATGGCGTAATTGTCATAGAAACAAAGAAAAGTTAATTCATCACATCAATC	20580
Pig	CAGAATCCTTTTTCTT- - AATGCTATATTGCATACTTGTGTCATAGAAACAGAGAAAAGTTGTTAATCCATCACATCAATG	19039

Majority	GX- - TTXAACAXGAATAATTTTCT- - - - TATTTXATAACX- - - XX- XGG- TTAAXAATTCGTTAXATTTTC- - - A- XATCA	
	28730 28740 28750 28760 28770 28780 28790 28800	
Human	TGACTTTAAGAACAATACTGCTGTGAACCTTCTTTGTAAGTCTGTTTCTGGTGCATTTATGCAAGCGTTTTTGGAGAGGGTAT	25119
PolarBear	-----	0
Cow	GGG- ATCCAATTTTATTTCTTTTT- - - - GCTTATATAGAGCT- AGTCAGTTGAAGTATGCAGTGTCTTTTTTTTCTATTA	24043
Dog	AGTATTTTTCATGATTCATTTTCT- - - - TGTGTTCTAAA- - - - - C- - - TTAAGAAGTCCTTGCATACTCAAATCATGA	23757
BelugaWhale	GA- - CTAAGAAGAAAAATCAT- - - - - GATCATATCACTAG- ATGAGGATAAAACATTTGACAGAATTC- - - - - AGCA	19977
Donkey	AATAATCAGCATTCAATTTATTTATT- - - TATTTCAACAATTATGTGTGGACCCTGTGCTTGGTTGACACTTGGAAATATTA	23990
Cat	- - - - TCTCACACGGTTCATTTTCT- - - - TGTGTTATAAC- - - - - - - - - TAAAAAGTCCTTACATGACCTGAGGGTCA	26693
Ferret	AGTGTTATAAATAAGTTTATTTTCT- - - - CATAAGCTAAAGTCCTGCTGGTTAAGAAAATGGTATCAGTCTCCTTGATGA	23140
Lion	- - - - TCTCACACGGTTCATTTTCT- - - - TGTGTTATAAC- - - - - - - - - TAAAAAGTCCTTACATGACCTGAGGGTCA	25014
Vaquita	GA- - CCAAAGAAGAAAAATCATAT- - - - GATCATATCACTAG- ATGAGGATAAAACATTTGACAGAATTC- - - - - AGCA	20647
Pig	GA- - AAAAAAAGAAAAATTATGT- - - - GATTGTATGGTG- - - AGGAAAAAGAAAGTCT- CAGTAA- - - - - - - - - ATTA	19098

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Majority	XXXAX- - - X- ATG- - - A- - - XT- XX- - - XX- - TA- - XXAXAXXTTCAXX- - TAXCAAAAX- TTTT- - XAC- - - - - A- X- A	
	28810 28820 28830 28840 28850 28860 28870 28880	
Human	ATTTAAAGGTATAGGTATATATTACTAGTGTGTAAAATAAACTTTATGAGACAGTACTAGATTATTTTCCAGTGTATTGT	25199
PolarBear	-----	0
Cow	CCCGTATTACAGGGGTATGTATCAGTTCAGTTCAGTTTAGTCTGCTCAGTCTGTCCGAAT- CTTTGCGACC- - CCATGAA	24120
Dog	AG- ----- ATTATTTTCATACATTACAAAA- TTTT-----	23785
BelugaWhale	CCCAT- - - TCATGATAAAAATTCTCACTAACTAGAACAGAGGGGA- - - - - ACTTCAAC- TT- - - - GAC- - - - AAAGA	20038
Donkey	TAGTGGTATAGTGACTIONACTGATGTGGGCCAGATACTTTACCTGGTAAGCACTATCCATGTATTACCACATTTAATCTCAA	24070
Cat	TAAAG- ----- ATATCTTCATATGTTACAGAAG- TTTT-----	26724
Ferret	GGTTA- - - TTATTCAGTCTCCAGCTTTCTTTACCTTGTGCTTCATTATTTTCTAAGC- TTTTGTCTGTCTGCATG	23216
Lion	TAAAG- ----- GTATCTTCATACGTTACAAAA- TTTT-----	25044
Vaquita	CCTAT- - - TCATGATAAAAATTCTCACTAACTAGAACAGAGGGGA- - - - - ACTTCAAC- TT- - - - GAC- - - - AAAGA	20708
Pig	----- GGATGGAAAGGAACTTGCTCAACTTGACAAAGAACATC- - - - TACCAGAA- - - - - AGACC- - CTAAAAA	19156

Majority	- XXTAAX- A- - T- - - - X- AAGTCATXCTTATGATATTTAXCTCT- - - - - AACCCCTCTCACACTTAGX- T- - - - -	
	28890 28900 28910 28920 28930 28940 28950 28960	
Human	TCCTATTTATGTTCTCACCAGTAGTGCCTAGGAGTTCTTGCTGTTTCAGATCCCCACCAGCACTTGGCTAGGTATTTAAT	25279
PolarBear	-----	0
Cow	TTGCAGC- ACGC- - - - C- AGGCCTCCCTGTCCATCACCAACTCCCG- - - GAGTTCAGTCTCAGACTCAAGTC- - - - -	24181
Dog	- - - TAA- - - - - - - - AGTTATACATTTTATATTTGTCTCT- - - - - AATCCATCAGAAAATTA- - - T- - - - -	23831
BelugaWhale	ACCCTAC- AGCT- - - - A- ACATCATATTAATGGTGAAGAACTCC- - - - - AACTTTTCTCATGAAGA- - - - -	20093
Donkey	GGACTGTGATGT- - - - GGACGTTATCCCTGTTGTATATATGAGGAAGTTAAGGCTTTGAATAGTTAATTTACCAGTTACA	24146
Cat	- - - TAA- - - - - - - - ATTAACGCCTCTTACATTTGTCTGT- - - - - AACCCATCAGAAAATTACTIONACTAT- - - - -	26773
Ferret	GTCTGATCATAT- - - - A- TAATTGTGCTGTTTATTTTCTTT- - - - - GGCTATTCTCACACTGAGGTT- - - - -	23276
Lion	- - - TAA- - - - - - - - ATTAATGCCTCTGACATTTGTCT- - - - - AACCCATCAGAAAATTACTIONACTAT- - - - -	25091
Vaquita	ACCCTAC- AGCT- - - - A- ACATCATATAAATGGTGAAGAACTCC- - - - - AACTTTTCTCATGAAGA- - - - -	20763
Pig	ACAAACTIONAAAT- - - - G- ACGTCATATTGATGGTCAAGAACTC- - - - - AGCACTTTCTACTIONAAGA- - - - -	19212

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Majority	TTTCTAGTXCTTGAXA- - - - TAGATAXAGC- XCXTXTTCACTTTTTTTCAACCTTCTCXTGXT- - XXXXATTACTTXCA								
	28970	28980	28990	29000	29010	29020	29030	29040	
Human	TTCTTAATTTTTAAACAATTT-	GGTGTGTAGTATATTCTCT	GGTCTTCCTTTGTCTTACCCTGAT-	TATTAATGAGGTCTT	25357				
PolarBear	-----								0
Cow	TTTCGAGTCCGTGAT- - - - -	GCCATCCAGCCATCTCATCCTCTGTCGTCCCCTTCTCCTCCTGCCACCAATCCCTCCCA	24255						
Dog	TTTTTGTATTATTGAAG- - - - -	TAGATAGGGATCCAATTTCTTTTTTTTTTTTTCTCCCTGTGTAGAGATAGCTAGTTAAA	23906						
BelugaWhale	- - TCAAGTACAAGGCA- - - - -	AGGATGTCCC- TCCTCACCACCTCTTTTCAACATCCTCCTGGA- - - - -	ATTCCTTGCT	20159					
Donkey	TACCTAGTAGGTGGAAGCTGGACTATAGAACCCTTTTGTTCCTTTTTAAAATTATTTTATTGAGGTCATATTGGCTTATA	24226							
Cat	TTTTTGTGTATTGTAT- - - - -	TAGATAGGGATCCAATTTCAATTTTTGT- GACCTTATAGAGATAACCAGTTAAATAAAA	26847						
Ferret	TGTCTGTTCTTTTATT- - - - -	TTGTTTAAAACCTCAATTTTGTTCCTTTTATTGATCCTTTCAGTGTATCCTTGCCATCCGTA	23351						
Lion	TTTTTGTGTATTGTAT- - - - -	TAGATAGGGATCCAATTTCAATTTTTGT- GACCTTATAGAGATAACCAGTTAAATAAAA	25165						
Vaquita	- - TCAAGTACAAGGCA- - - - -	AGGATGTCCC- TCCTCACCACCTCTTTTCAACATCCTCCTGGA- - - - -	ATTCCTTGCT	20829					
Pig	- - TCAAGTACAAGACA- - - - -	GACATCTAGC- ATCTCAGCACTTCTTTTCAACATTCTTTGGG- - - - -	ATTCCTTGCT	19278					

Majority	ATTGCAGTGAXATTTTCCXCAAXXT- - TA- - ATAGGTA- - - - TATATATGTXGGGGA- AAGGXATAGAA- XXGTAX- TTTXT								
	29050	29060	29070	29080	29090	29100	29110	29120	
Human	ACATCTTTTTTCCCCCACATTTATGGCCATGGATG- - - -	TTTCTCTTTTGTGAA- ATTCTGTTAAATGCCTATTTGTGT	25432						
PolarBear	-----								0
Cow	GCATCAGAGTCTTTTCAGTGAG- - - - -	TCAGCTC- - - -	TTCGCATGAGGTGGCCAAAGTACTGGAGTTCAGCTTTAG	24324					
Dog	ATTGCAGTGC- ATTTCTTCACAT- - TA- - -	TAGGTA- - - -	AATATGTGTTAGGGTGAAGGCTAAGTTACTGTAT- TAAA-	23974					
BelugaWhale	GATGCAGTAAGGCAAGAAAAGGAAATT- -	AAAGGTA- - - -	TACAGATTGAGAAGG- AAGGTATAAAA- - - - -	CTTGT	20224				
Donkey	ACATTGTGTAATTTTGGGTGTACATTATTATATATCAGTTTCTGTATGTACTCCATCGTGCTCACCCTAATAGTCTAGT	24306							
Cat	ATGGCAGTGCCATTTCTTCACAT- - TA- - -	CAGGTA- - - -	AATATGTGTTAGGGTGAAGGCTAAGTTACTGTAA- TAAAA	26917					
Ferret	GTCTGTATTT- ATTTATTTATTTATTTATTTACTTA- - - -	TTTATTTGACAGAGAGAGATCACAGAGGCAGGCA- GAGA-	23424						
Lion	ATGGCAGTGCCATTTCTTCACAT- - TA- - -	CGGTA- - - -	AATATGTGTTAGGGTGAAGGCTAAGTTACTGTAA- TAAAA	25235					
Vaquita	AATGCAGTAAGGCAAGAAAAGGAAATT- -	AAAGGTA- - - -	TACAGATTGAGAAGG- AAGGTATAAAA- - - - -	CTTGT	20894				
Pig	GATGCAGTAAAGCAAGAAAAGG- - - - -	AAAGGTA- - - -	TACAGATGGAGAAGA- AAAGTATAAAA- - -	CCATTCTTGT	19342				

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Majority	T X T A X X X C X T T G T A G A A G A C A T - - - - - X G X T A G T C T A T T T - A C A A X A T - C C A A X X C C X T X X - C T G A T X A - - T T T A T G								
	29130	29140	29150	29160	29170	29180	29190	29200	
Human	T T T T - T G C T T G A T A A A A T G T G A G C T T A T - T A T T T A A C T G A T T T T G T A G T T T T A A A A A A T T G C T G G G G G C G G T G G C T T G C G								25510
PolarBear	-----								0
Cow	C A T C A T T C C T T C C A A A G A A C A C C C A - - - - G G G C T G A T C T C C T T C A G A A T G G A C T G G T T G G A T C T C C T T G C A G - - T C C A T G								24398
Dog	T G C A G A A C A T T G T G G T A T A A A T - - - - - A G A C A A G T T T A T T T T T C A T A A G G C A A A G T C C - - - - - T C T T G G - T T T A A G								24039
BelugaWhale	----- T T G C A G A T G A C A T - - - - - G A T A G T C T A T G T - A C A A C A T - C C A A A A G A A T T G A C A A A A A A - T T T C A T G								20283
Donkey	T T T T A T C C G T C A C C A T A C A T A T G T G C C C C T T T A C A A C C C T T T C G C C C G C A C T C C C A C T C C C T T C T C T G G T A A C C A C T A T C								24386
Cat	T G C A G A A C A T A G T G G C A G A A A T - - - - - A G G C A A G T T T A T T T T C T C A T A A G C C A A A G T C C - - - - - T G C T G G - C T T A A -								26981
Ferret	G A G A G A G A G G N N N N N N N N N N N N - - - - - N N N N N N N N A T G C G G G A C T C A A T C C C A G G A C C C T G A G A T C A T G A - - C C T G A G								23495
Lion	T G C A G A A C A T A G T G G C A G A A A T - - - - - A G G C A A G T T T A T T T T C T C A T A A G C C A A A G T C C - - - - - T G C T G G - C T T A A -								25299
Vaquita	----- T T G C A G A T G A C A T - - - - - G A T A G T C T A T G T - A C A A C A T - C C A A A A G A A T T G A C A A A A A A - T T T C A T G								20953
Pig	T A T C A T G T C T T G T A G A T G A C A T - - - - - G A T A A C C T A T G T - A G A A C A T - T C A A A A G G A T C G A C A A A A A A A T T T C A T G								19411

Majority	T A - - - - - A X T G G T A T C A G T T T A T T C C A T G A X T G C - A X T T C A C G A G G T T A A T T T X T T - - T C T G - - - G A C T X A X T T T								
	29210	29220	29230	29240	29250	29260	29270	29280	
Human	T C - - - - - T G T A A T C T C A G C T T T T T G G G A G G C T G A A G G A G G A G G A - - T T G C T T G T G G G G C C C A G G A G T T T G A G G C T								25578
PolarBear	-----								0
Cow	G G - - - - - A C T C T C A A G A G T C T T C T C C A A C A C C A C - A G T T C A A A A G C A T C A G T T C T T - - - C G G - - - C A C T C A G C T T								24461
Dog	A A - - - - - A A T G G T A T C A G T C T G C T C C A T C A - G G T - T A T T C A - - - - - C T G - - - G G C C A A C T T T								24086
BelugaWhale	T A - - - - - A C T G A T A A G T A G T T A T T G C A G G A T T G C - A G G G T A C A A G G T T A A T A T A T T A A T A G G - - - A A A G T A A A T T								20349
Donkey	T G T T C T C T T T A T C T A T G T G T T T A T C T T C C C C A T A T G A G T G A A A T C A T G T G G T G G T T G T C T T T C T C T G T C T G C C T T A T T T T								24466
Cat	----- A A T G G T A T C A G T T T G T T C C A T A A A G G T - T A T T C A C T A G G C C A G C T T C A T C T T G T G - - - G C T T C A T T A T								27045
Ferret	C C - - - - - G A A G G C A G C G G C T T A A C C C A C T G - A G C - C A C C C A G G C G C C C C A - T G A G C C A C C C A - - - G G C G C C C C G T								23559
Lion	----- A A T G G T A T C A G T T T G T A C C A T A A A G G T - T A T T C A C T A G G C C A G C T T C A T C T T G T G - - - G C T T C C T T A T								25363
Vaquita	T A - - - - - A C T G A T A A G T A G T T A T T T C A G G A T T G C - A G G G T A C A A G G T T A A T A T A T T A A T A G G - - - A A A G T A A A T T								21019
Pig	G A - - - - - A C T G A T A A G T G A T T A T T G C A A G A T T G C - A G G G T A T G A G G T T A A A A T A - - - - - C A G - - - A A G T T A A - T T								19471

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Majority	GCTTTACXGTATAAXTGTTGT- GTGCATGXXTAATTTGAXGATAAAX- CAAXATTXTGTTTXXXTTAGCACCCCC- - - AA								
	29290	29300	29310	29320	29330	29340	29350	29360	
Human	GCAGTGAGCTATGATCGTTCATTGCACTC- TAGCTTGGTGACAGAG- CAAGACTTTGTCTGAAAAAAAAAAAAAAAAAAAAA								25656
PolarBear	-----								0
Cow	TCTTCACAGTCCAACCTCTCAC- ATCCATACACGACCACAGGAAAAAC- CATAGCCTTGACTAGACGGACCTTTGTTGGCA								24539
Dog	CTTTCA- - - - - TCTTGTTGC- TTCATTA- - - - - T- TTTTTAAGCTTTTGTGTTTGT- - - - -								24129
BelugaWhale	GCTTTCTGTATAACAGTGGT- GAGCAAGTGCAATTTGAAATTA AAAACAAAATACAGTTTACATTAGCACCCCC- - - AA								20425
Donkey	GCTTGACATAATAACCCTCACAGTCCATCCATGTTGCTGCAAATGGGATGAGTGTCTTTTTTTTATGGCTTAGTCATTGT								24546
Cat	TTCCTAAGCTTTTGTCTTGT- CTGCATGGTTTGGTGATGTATAATTGTGCTGTCTTGTTTCATTTTTTTTCTTT- - - GA								27121
Ferret	AGTCTG- - - - - TATTTTTAT- TCGCTTGGATGAGTTAGTGCTTCCCCAAAGCTTCTGGTAGGTAGCTAGCACCC- - - AG								23629
Lion	TACTAAGCTTTTGTCTTGT- CTGCATGGTTTGGTGATGTATAATTGTGCTGTCTTGTTTCATTTTTTTTCTTT- - - GA								25439
Vaquita	GCTTTCTGTATAACAGTGGT- GAGCAAGTGCAATTTGAAATTA AAAACAAAATACAGTTTACATTAGCACCCCC- - - AA								21095
Pig	GCTTTCTGTATATCAGTGAT- GAACAAGTGCAATTTGAAGTTAAAA- CAAAATACCATTTGCATTAGCACCCCC- - - AA								19546

Majority	AXXTTATCTXCTTXG- - TGTAAT- - - CTAXGAAXAT- - - - AXAAATAXXCTCT- - - - - XXATXAAGTT- - X- XXXTT								
	29370	29380	29390	29400	29410	29420	29430	29440	
Human	GTGTGTGTTTTACAGTTACTGATTGTCTTTTGGTTATTTGTGTTGCTGGTGTCTTTTCCCAGTTTGTAGCTTGCCTTGTC								25736
PolarBear	-----								0
Cow	AAGTAATGTCTCTGCT- TTTCAATATGCTATCTAGGTT- - - GGTCATAACTTTT- - - - - CTTCCAAGGAGTAAGCGTT								24608
Dog	- - - - TGTCTGTGTGG- - - - - T- - - CTGATAATAG- - - - ATAATTGTAATC- - - - - TCTGTTTTTATTTTT								24178
BelugaWhale	ATTTGAAAATCTTAGG- TATAAAT- - - CTAACAAAAT- - - - ACATATAAGATCT- - - - - ACATGAGGAC- - - - -								20481
Donkey	CCGTTGTGTATATACACTGTATCTTCTTTATGCATTTATCAGTTGATGGGCTCTTGGGTTGCTTCCATGTCTTCGCTGTT								24626
Cat	TCATTCTCAACCTGA- - GGTTTGT- - - CAAGGACACC- - - - AGGAATAGTCATG- - - - - TGAGTGAGTTCCTTCTTT								27185
Ferret	AGCATGTCTCCTTGGC- AGCACCT- - - CTATGTTTAA- - - - AGAAATACTCAC- - - - - TGAGTACCTGCTTTT								23689
Lion	TCATTCTCAACCTGA- - GGTTTGT- - - CAAGGACACC- - - - AGGAATAGTCATG- - - - - TGAGTGAGTTCCTTCTTT								25503
Vaquita	ATTTGAAAATCTTAGG- TATAAAT- - - CTAACAAAAT- - - - ACATATAAGATCT- - - - - ACATGAGGAC- - - - -								21151
Pig	AATTGAAGTGCTTAAG- TGTAAT- - - CTAAAAAGGT- - - - GTATATAAGATCT- - - - - ACATGAGGAA- - - - -								19602

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Majority	----- TXACTATATAG----- CTTTTATCATXAACTXCA----- TXGGA--- AXCCTTAXACXTA---								
	29450	29460	29470	29480	29490	29500	29510	29520	
Human	ACTTCTTTATGCTGTCTTGTCTGTCTGTCTGTCTGTCTCCCTCCCTCCCTCCCCCTCCCTCCGTCCGTCTGTCCCTCCC-								25815
PolarBear	-----								0
Cow	----- TTTTAATTTT CAGGG----- CTGCAGTACCATCTGCAGTGATTTTGGA--- GCCCCCAAAAATA---								24664
Dog	----- T- T----- CTCTTTTGAT----- T----- ATTCTCACACC-----								24202
BelugaWhale	----- AACTACAAAA----- CTTTGATAAATGAAACCAA----- AGA--- ACCAA-ATAAATG---								20525
Donkey	GTGAATGATGAACATATGGGTGCATAAATTTCTTGTATTATTGATTTTCATGTTCTTTGGAAAAATACCCAGTGATAGGG								24706
Cat	----- TGAAAATCTAG----- TTTTTCTCAGGAACTTG----- TTGGC--- ATCCTTGCCCC- A---								27230
Ferret	----- C- TGAGAATCTAG----- CTTTTCTCATGTACTTGATGTTGGTTGGC--- ATCCTTGCCCCA---								23743
Lion	----- C- TGAAAATCTAG----- TTTTTCTCAGGAAATTTGATG--- TTGGC--- ATCCTTGCCCC- A---								25552
Vaquita	----- AACTACAAAA----- CTTTGATAAATGAAACCAA----- AGA--- ACCAA-ATAAATG---								21195
Pig	----- AACTATAAAA----- CTCTGATGAACAAAACCAG----- AGA--- ACCAAAATAAATG---								19647

Majority	TGGCTTGAT--- ATXCTGTTTTXCATCXTT----- CCAGAAAACCTCXTTTTTTGTGXAGATXTCAGTXCTXCAAXATTT								
	29530	29540	29550	29560	29570	29580	29590	29600	
Human	TCCCTCCCTCCCTCCCTCCCTCCCTCCCT----- CCCTCCCTTCTTCCCTTCTTCCCTTCTTCCCTTCTTCCCTACTTTACTT								25889
PolarBear	-----								0
Cow	AAGTCTGAC--- ACT-- GTTTCCACTGTT--- TCCCCATCTATTTCCCATGAAGTGATGGGACCAGATCTTCATTTTTT								24735
Dog	--- CTGAGG--- TTGTTCTTTTCTGTTTT--- T- TTTTAAAAACTCGCTTTTTGGTGGG--- GGTCCCGGGGTGCAG								24266
BelugaWhale	TGGATAGAT--- ATTCCACGTTTCATGGAT----- AGGAAGACTCAGTATTGTTAAGATGTCAGTTCTTCTGAAATT								20593
Donkey	TAGCTGGATCATATAGTGTTTTTATTTTAAATTTGTTGAGAAATCTCCATACTGTTTTCCATAGTGGCTGTACCAGTTTG								24786
Cat	TGACTTTCT--- GTCGTGGTTCCTTCT----- CCAGAAAAGAAAGTCTTCGGGCAGTTCTTAGTCCTGAAACCTGG								27298
Ferret	TGACTTTGG--- GTCATGGTTCCTTCTC--- T- CCAGAAAAGAAAGTCTTTGGGCAGTTCTCAGTCCTGAAACCTAA								23814
Lion	TGACTTTCT--- GTCGTGGTTCCTTCTT--- T- CCAGAAAAGAAAGTCTTTGGGCAGTTCTTAGTCCTGAAACCTGG								25623
Vaquita	TGGGTAGAT--- ATTCCACGTTTCATGGAT----- AGGAAGACTCAGTATTGTTAAGATGTCAGTTCTTCTGAAATT								21263
Pig	TGGGTAGAT--- ATTC- ATGTTTCATGGAT----- AGGGAGACTCAATGTGGTCAAGATGTCAGCTCTTCCCAAATT								19714

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Majority	CAGAGCC- - GXXATTTTAGTCAAX- - - TTXAGTCCCTGTTAATXTXCAGCAXG- - - TTGXTAGXTXXTGTGXGATCTT								
	29610	29620	29630	29640	29650	29660	29670	29680	
Human	TAGATT CAGGGTTACATGTGCAGGTTTGTACATGGGTATATGGCATGAAGCTGAGG- - TTTGCAATACAAGTGATCCTG								25967
PolarBear	-----								0
Cow	GAAAGTT- - GAGTTTT CAGCCAAC TTTT CACTCTCCTCTTTAACCTTCATCAAGAGGCTTTTTAGTTCTTCTTCACTTT								24813
Dog	CAGCGT- - - - - ATTT CAGAGCGC- - - CTAGGCCGCGGCCAG- - - - - GGGCCGATCCTGGAGACACG								24320
BelugaWhale	GA- - - - - TATATAAATT CAG- - - TGCAGTCCCAGTCAA AATTCCAGCAAG- - - TAGTTA- - - - TATGGATGTC								20651
Donkey	CATTCCCACCAGCAGTGTACCAAGGA- - TTCCCTCTTTGCATCTTCTCCAACATTTGTTGTTTTTGTCTTGTTAATTGT								24864
Cat	CAGAGCCCAGG- ACTCTTGT CAGT- - - CTCAGCCTCCAGT TACT- - - GCTCGCCTTCTGGTAGTTTCAGCAGCTCTT								27369
Ferret	CAGAGCCCAGGGACTCTAGTCAAC- - - CTACCTCAGTGTTCAGTTCTTGCTTGCCTTCTGGGTAGCTTCAGCAGGCCTT								23890
Lion	CAGAGCCCAGG- ACTCTTGT CAGC- - - CTCAGCCTCCAGT TATT- - - GCTTGCCTTCTGGTAGTTTCAGCAGCTCTT								25694
Vaquita	GA- - - - - TATATAAATT CAG- - - TGCAGTCCCAGTCAA AATTCCAGCAAG- - - TAGTTA- - - - TATGGATGTC								21321
Pig	GA- - TCT- - GATCTATAGATTAAA- - - TGAAATTCCAGTAAAAATTCCAGCAAG- - - TTTTTA- - - - TGTGCGTATG								19777

Majority	A- AC- CTGAGAGTGATGTAAGGTA CTTATA- GGAXAXGTXAAAA- - - - ACCCAGXAAXX- - - - - A- - XTT								
	29690	29700	29710	29720	29730	29740	29750	29760	
Human	TCAGCCAGAGAGTGAGCTCAGTACCCAACAGTTAGATTTACAATCCTTTCTCCCTCCCCC- - - - - ACCACTAGTTCC								26040
PolarBear	-----								0
Cow	ATGCCATAAGGGTGGTGT CATCTGCATATCTGAGGTTATTGATATTTCTCCCTGCAATCTTGATTCCAGCTTGTGCTTCT								24893
Dog	GGAT- CGGAATCCCACGTCAGGGCCTC- - - - - TCCCTT								24352
BelugaWhale	A- - - - ACAAGCTGATTCTGAAATTTATAT- - GGAAAAGCAAAAAG- - - - ACCCAGAAAGCC- - - - -								20701
Donkey	AGCCATTCTGACAGGTGTAAGGTGATAGCTCATTGTAGTTTTTATTT- GCATTTCCCTAATAGTGATGTTGCACATCTTT								24943
Cat	CCAC- CTGGGAGTGATGGATGGTACTTGGATTGTA CTATTATGATGA- ACATAATACCTAATAATAAAAATTAAAAAATT								27447
Ferret	CTAC- CTGGGAGTGGTAGATGGTACTTAGA- - - - - AACCTT								23925
Lion	CCAC- CTGGGAGTGACGAATGGTACTTGGATTGTA CTATTATGATGA- ACATAATATCTAATAATAAAAATTTAAAAAATT								25772
Vaquita	A- - - - ACAAGCTGATTCTGAAATTTATAT- - GGAAAAGCAAAAAG- - - - ACCCAGAAAGCC- - - - -								21371
Pig	A- - - - ATGAATGGATTCTAAAGTATATATATGGAGAAGCAAAAAG- - - - ACCCCGGAAT- - - - - AGC- - - - - C- -								19831

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Majority	TCAAXCACAGTATTGA- GGATAAATAXX- TTTXX- AAA- GTTTXGTA CTXATGCX- XT- T- TACXCCCTTTTCXTTXXT	
	29770 29780 29790 29800 29810 29820 29830 29840	
Human	CAGTGCATATTGTTGC- GGATTAATACAGATTCTTAAT- - GTATAGTTTTAATGTGGCCACAAATTCCTTTGCATCTTA	26117
PolarBear	-----	0
Cow	TCTAGCCCAGTGTTTCTCATGATGTACTCTGCATAGAA- GTTAAAGAAGCAGGGTGACAGTATACAGCCTTGATGTACTC	24972
Dog	TCATGGGCCTATCTC- - - - TTCTCCATTCCTTGC- - - - - TTTCTCTCCTTCTGCCTCTGCCTGTGTCCCTTACCTCTCT	24422
BelugaWhale	- - - AACACAGTATTGAAGGAGAATAAC- - - - - AAA- GTTGGAGGACTGATGC- - - - - CACTCAACTTCCAAG- - -	20759
Donkey	TCATGTGCCTCTTGGCCATCTGTATATCTTTGGAAAAATGTTTCATATCCTCAGTCCACTTTTTGACTGGGTTGTTTTGTT	25023
Cat	TCAAATACTGGAATGATTGTAAAATGTCATTTAAATGT- GCTTTTATACTTAATCCTATATGTTTATGCTTATTTTTTCT	27526
Ferret	TCAAGTACTGGAATA- - - - TAAAACGTCATTTAA- - - - - TTTTTCTGCTCATACTATTTTCTACACCTATTTTTTTCT	23995
Lion	TCAAATACTGGAATGATTGTAAAATGTCATTTAAATGT- GCTTTTATACTTA- TCCTATGTGTTTACGCTTATGTTTTCT	25850
Vaquita	- - - AACACAGTATTGAAGGAGAATAAC- - - - - AAA- GTTGGAGGACTGATGC- - - - - CACTCAACTTCCAAG- - -	21429
Pig	- - - AACACAGTACTGAAGGAAAAGAAC- - - - - AAA- GTTGGAGGACTGATGT- - - - - TACTAATTTTTCAAGCTC	19892

Majority	XTT- - ATTTAATTTGTAT- - - - - CTAX- - - - - XXAGTAXTT- - - - TCATGAXTG- - - - - X- X- TATGATTATTGXTX	
	29850 29860 29870 29880 29890 29900 29910 29920	
Human	GATAAAAATAATTTATATGA- - - TCCCATTCCTTACACATTCCAAATTTTCTTTGCTCTTCTGGACATCTTCCATGTTG	26194
PolarBear	-----	0
Cow	CTT- - TTCCTATTTGGAA- - - - - CCAG- - - - - TCTGTTGTT- - - - CCATGTCCAG- - - - - TTCTAACTGTTGCTT	25026
Dog	CTC- - - - - TC- - TCTC- - - - TCTCTCTGG- - - - - GTGTGTTG- TGACTACAT	24457
BelugaWhale	- - - - - ATTTAGTATGAAG- - - - - ATA- - - - - CAGTGAT- - - - - CATGACAG- - - - - TGTGGTTTTGGTGA	20804
Donkey	GTTGTTGTAAAGTTGTATGAGTTCTTTATATATTTTGGAAATTAACCCCGTGTGAGATACATGATTTGCAAATATTTTCT	25103
Cat	TTGACGTATAAGTTGTAT- - - - - CTTTCCATGTTAGCATT- - - - - TTCTGATTGTTTT- TGTGGGATACTAATTTCTC	27594
Ferret	TTTACATGCAGATTGTAT- - - - - CTTTGCATATTAACATT- - - - - TCCTGATTT- - - - - GTGGGATGTTCACTTCTC	24058
Lion	TTGACGTATAAGTTGTAT- - - - - CTTTCCATGTTAGCATT- - - - - TTCTGATTGTTTT- TGTGGGATACTAATTTCTC	25918
Vaquita	- - - - - ATTTAGTATGAAG- - - - - ATA- - - - - CAGTGAT- - - - - CATGACAG- - - - - TGTGGTTTTGGTGA	21474
Pig	AAG- - ATTTAATATGAAG- - - - - CTA- - - - - CGGTAAT- - - - - CAAGACTG- - - - - TCTGATTTTGGTGA	19940

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Majority	AAGAATAGXXAATTTGATCT- - - - - AAGAAACAGATTAXATXGTCAXGXATTA AAAAGCXCXTCATAAA- - - - - TAT	
	30000	
Human	ATTGCTGGAAGTCTTGAAGG- - - - - CAATCCCAAATAACAGTTTTTGTCTTTTCAACTGTTGCTGTGATACGGTTTTCTT	26268
PolarBear	- - - - -	0
Cow	CCTGACCTGCATATAGGTTTCTC- - - AAGAGGCAGGT CAGGTGGTCTGGTATTCCCATGCCTTT CAGAAC- - - - - TTT	25096
Dog	AAAAAAAAAAAAAATTA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA CAAAAAAAAAGAAAAAAAAAA- - - - - AAC	24530
BelugaWhale	AAGAATAGACAGGTTGATCA- - - - - GTGAAACAGAATGGAGAGCCCAGAATAGAGCCCCCCCCCATAAA- - - - - TAT	20871
Donkey	CCTAGTAGGTTGGGTTG- TCTTTTT- - GTTTTGTTCATGGTTTTCTCTGCCATGCCGAAGCTTTTTTAGTCTGATGTAGTCC	25180
Cat	ATGAAATGGTCATT- - - - - ATA- - CAGGAAAAAGTTTTCTGTGGTCAGATTTTAAAAAGCACGTCAATGCGTATCTTAAC	27666
Ferret	ACGAAATGGTTATTTTTATTACACAGGAGAAAAAGTTTTCTGTGGTCAGATTTTAAAAGGGACATCAGTGTCTATCTTAAT	24138
Lion	ATGAAATGGTCATT- - - - - ATA- - CAGGAAAAAGTTTTCTGTGGTCAGATTTTAAAAAGCACGTCAATGCGTATCTTAAC	25990
Vaquita	AAGAATAGACAGGTTGATCA- - - - - GTGAAACAGAATGGAGAGCCCAGAATAGAGCCCCCCCCCATAAA- - - - - TAT	21541
Pig	AAGAATGGACAATTTGATCT- - - - - ACGAAACAGATTAGAGAGCCCAGAAT- - - AGAGCCCTCCATAAA- - - - - TAT	20004

Majority	ACTCAATTTATTTTTGX- - XA- - XA- TCTAAGXTTAATTGACATXCATCTTAGCXGAGXTAX- - - T- AXXAX- - - TXTCT	
	30080	
Human	ATAGAGATTTTTGTAGTAGAATTTATCAGTATTTTTCTTTCATGTTTCAGTTTTCTTGTGTCTTAATTTAAAAATCCTTACA	26348
PolarBear	- - - - -	0
Cow	CCACAG- TTTCTTGTGATCCACACAGTCAAAGGTTTTGGCATAGTCAATAAAGCAGAAATAGATGTTTTTCTGGA ACTCT	25175
Dog	ACTCATCTTGTTTTT- - - - - TTTATTAATAATTGTTAGTGGTAATCATTGGCAAC- - - - - CCAATAGTCTTATTT	24596
BelugaWhale	AGTCAACTTATTTTTGA- - - - - CAAAGG- - - - - A- - - - - GCAAAGGTAG- - - - - TCT	20908
Donkey	CATTTGTGTATTTGTTTTCTTTTATTTCTTTTCTGAGTAGACATGGTATTCGAAAAGATG- - TACTGCCTGTATTTTCT	25258
Cat	ACTTCATTTCTTTT- - - - - AACGGAATCTAAAATTAATTGACATCCATCTTAGATGAATTAATTATAAAAAATATGTATTT	27741
Ferret	ACTTAATTTCTTTTT- - - AATTGAATCTACCATTACTT GACATCCATCTTAGGTGAATTT- - - - TGAGAATACCTATTT	24211
Lion	ACTTCATTTCTTTTTT- - - AACGGAATCTAAAATCAATTGACATCCATCTTAGATGAATTAATTATAAAAAATATGCATTT	26068
Vaquita	AGTCAACTTATTTTTGA- - - - - CAAAGG- - - - - A- - - - - GCAAAGGTAG- - - - - TCT	21578
Pig	AGTCAT- TTATTTTTGA- - CAGAGGCTCAAAGGCAATACAGCGG- - AACAAAGCAAAGATAG- - - - - TCT	20064

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Majority	AAATAAACTXAAC- - XXXCAGXAXAGAT- - GTAAAXATTAATGTAAAGCTA- - - XAXACAATTAXXAGATXAGGXAAX								
	30250	30260	30270	30280	30290	30300	30310	30320	
Human	TAATGACTTTTTCA- - - TATTACAGGTATATATATCGTAAGGCCAAAGGCTG- - - - AAAAAACTATCATAACAA- - - AA								26574
PolarBear	-----								0
Cow	AGATGAGTGCAATT- GTGCGGTAGGGATATGTATATGTTAG- TGTAAAGTCT- - - - AAGCCACTGTAACAAAATGCAAA								25399
Dog	TGTTATACTCTTCT- GGCCAGCATTAT- - GTGT- - - - GATTTTAATTCATG- - TGTGAAATTATTTGAGTGGATA- -								24805
BelugaWhale	AAATTAACCTCAA- - ATGGATCATAGACC- - TAAATATAGAATGCAGAACTAT- - AAAACTTTTAGAAGATAAGGTAAG								21053
Donkey	GTATGTTCTTGGCTCCATTGTGCAAGATTTGCTGTCCCTAGATATGTGATTTTATTTCTGGGCTTTTCAGTACTGTTCCAT								25498
Cat	AAATAAAATTGTCC- TATCAGTTAATGT- - GGAAACATTAACGTTATTAGTAC- - TATAGAATCACTTATTTTGGGCAT								27959
Ferret	AGACAGAGATCACA- AGCAGGCAGAGAG- - GCAGACA- - GAGAGGAAGGGAAA- - CAGGCGCCCTGTAGAGCAGAGAAC								24430
Lion	AAATAAAATTGTCC- TATAAGTTAATGT- - GGAAACATTAATGTTATTGGTAC- - TATAGAATCACTTATTTTGGGCAT								26286
Vaquita	AAATTAACCTCAA- - ATGGATCATAGACC- - TAAATATAGAATGCAGAACTAT- - AAAACTTTTACAAGATAAGGTAAG								21732
Pig	AAATTAACCTCAA- - - - - GGT- - GGAT- - - CACAGACTAGATGTAAAGT- - - - - - - - - - - GCGAAAT- - AAG								20181

Majority	AGAAGAAGTAGGTGG- TTAXATAXX- TXXAAGXTXTXTTTTTTAGXX- - - XAX- X- TAXAACTTTAATTAAX- - - - - - T								
	30330	30340	30350	30360	30370	30380	30390	30400	
Human	TGCAGAATATGGTGGCATAAATAAAAGAGTTTTTTTTGTTTCTTTTTCTGTGCATAGCAGAAGTCCTGTTGGTATAAGAAAG								26654
PolarBear	-----								0
Cow	TGAAGAACATAGTGGCATAAATAGCCTAGAAGTTTATTTTTTCATAA- - - AAGTCCTGCAACTGTAAGAAAAT- - - GGTAT								25473
Dog	TGGATGATTAAGCCG- CCACACAAATATAAGCATTTTTTTAAAACC- - - AAGTAGACAAGACTTGGCCAATT- - - CCATT								24878
BelugaWhale	AGAAGATCTAGATGAGTTGGGTAT- - - - AAAGATGTCTTTTTAGG- - - - - - - TACCACACCAAAGA- - - - - - -								21108
Donkey	TGATATACGTGTCTGTTTTGTGCCAGTACCATGCTGTTTTGATGACTGTAGCTTTGTAGTATATTTTGAAGTCAGCGAT								25578
Cat	AGTAGTGGTAAGCTT- - TATATTCAGTGGAAAAGCCAACATAACTT- - TAAAAAAAAATTTTTTTTTTAATGTTTATTTT								28034
Ferret	CCAATGCAGAGCTTGATCCCAGGACCCTGGGGTCATGACTTGAGCT- - - GAAGGCAGAGGCTTTAACCCACTGAGCCACC								24507
Lion	AGTAGTGGTAAGCTT- - TATATTCAGTGGAAAAGCCAACATAACTT- - TAAAAAAAAATTTTTTTTTTAATGTTTATTTT								26361
Vaquita	AGAAGATCTAGATGAGTTGGGTAT- - - - AAAGATGTCTTTTTAGG- - - - - - - TACCACACCAAAGA- - - - - - -								21787
Pig	AGAAAATCTAGATGACTTAGGTA- - - TAAAAGGTATCTTTTTAGA- - - - - - - TGCAACACCAAAGA- - - - - - -								20237

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Majority	- AAXATCAAGGGCTT- A- X- - - XTTAGTCAA- - - - - AXTATACAAATAATTTTXXXXAAAT- - - - - TATTTAATAATAT								
	30570	30580	30590	30600	30610	30620	30630	30640	
Human	GTATTTTCATTGTCTTTTTTTTTTAAAGTCAGCTTTTGATTTTACTGATCCTCTTCATTGTACCATTGTTTTCTCTATTTT								26890
PolarBear	-----								0
Cow	AAAAATCAAAAGCTTGA- TTTTATTGATCCT- - - - - CTTTTGTGTGTCATTGTTAAATT- - - - - TATTTTGTATTTT								25688
Dog	TACTTCAGTAGATCTAA- GA- - T- - - - - ATCTCACTCCTCATCTCCAGAAT- - - - - TACATGAATCCAC								25057
BelugaWhale	- - - - AATAAGGGCT- - - - - GTTATCCAA- - - - - AATATACAAAAAACTTTTAAACT- - - - - CAGC- AATAAGAA								21217
Donkey	TAATATGGATGTTTTAACTATGTTTAGTCTT- - - - - CTAATTCTTGAACATGGAATATCT- - - TTCCATTTGTTTATTT								25809
Cat	GACGCTCA- CCGACTGA- GC- - CACCCAGGC- - - - - ACCCCATAACTTTTTTTAAAAATA- - - ATGTTTATAAACATAT								28247
Ferret	TAGAATGGTGAGCTTTA- TA- - CTCACTGGA- - - - - AAGACCAACATAATTTAAAAAAA- - - - - TGTTTATAAACAT								24709
Lion	GACGCTCAACCGACTGA- GC- - CACCCAGGC- - - - - ACCCCATAACTTTTTTTAAAAATA- - - ATGTTTATAAACATAT								26581
Vaquita	- - - - AATAAGGGCT- - - - - GTTATCCAA- - - - - AATATACAAAAAACTTTTAAACT- - - - - CAGC- AATAAGAA								21896
Pig	- AAAACGGTGGGCT- - - - - GTTAGCCAA- - - - - AATATATGTAGAATTTTTTAAA- - - - - AATTAGCAGTAA								20429

Majority	TATAAGTAGXXTTAGTAAAXATATCA- AXAATTTTAAATA- - TAGATATTTTACAX- - - - - GACACGATTTTCAAXG								
	30650	30660	30670	30680	30690	30700	30710	30720	
Human	TATTGGTTGCGTGAGTCAGGGCTTTTGCAAGTCTTTAATAGGTAGGTGGTATTTCAGTCCACTTCTTCATCATCTTGGTGG								26970
PolarBear	-----								0
Cow	TATTGGTTGTGTGAGTTTGTGCTCTC- ATGGTGTTTCAAGCAGGTAGATTCCTCTCT- T- - - - - CGTGAATCTTCAAAG								25759
Dog	TGGAGGAAGGAGAGGAAGGATTTTTG- AATTTTTATATTTTTTTTTGTTTTTACT- C- - - - - AACACAAACATCCTAA								25128
BelugaWhale	AACAAACCG- ATTAGGAAATAGACCA- AGGAACCTAAC- - - - - AGACATCTCACC- A- - - - - AAGAAGATATACAGA-								21281
Donkey	CTTTGATTTCTTTCAATAACGTGTT- - GTAGTTTTTATTGTATAGGTCTTTCACC- TCCTGGGTGAAATGTATTCCAAGA								25886
Cat	TTTCAGTAATTTTGGTAAAAATATCA- AGAATTGCAAATAATTTTATATTCTACT- - - - - GACTCTGTTATGAAGG								28317
Ferret	TTTCAGTAGTTTTGGTAAAAATATCT- AGAATTGCAAATAACTTGATATTCTGCT- - - - - GACTCAGATATGAAGG								24779
Lion	TTTCAGTAATTTTGGTAAAAATATCA- AGAATTGCAAATAATTTTATATTCT- - - - - GACTCTGTTATGAAGG								26648
Vaquita	AACAAACCG- ATTAGGAAATAGACCA- AAAAAGCTAAC- - - - - AGACATCTCACC- A- - - - - AAGAAGATATACAGA-								21960
Pig	GAAAACCTCG- ATTAGGAAATGAACCA- AAGGCCTTAAG- - - - - AGACACCTCACC- A- - - - - GAGAAGATATGCAGA-								20493

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Majority	XGGTTAATACTXATXTGATAAG- - GTACT- X- T- - - TXAXAT- CATTTGTGX- ATTAAGGAAATGCAX- - - X- AACTXAA								
	30730	30740	30750	30760	30770	30780	30790	30800	
Human	CACCTCTGTTTAAGGAGACCAGGAATACTCACCTGGGTACGTACCTTTCTTCTCTCTGATAATCTATTTTTCTCAGGA								27050
PolarBear	-----								0
Cow	TGAGAAATACTGGAGTGGGTTG- - CCATTTCTTCTCCAGGG- GATCTTCCCAATCCAGGGATTGAACCTGC- ATCTCTT								25835
Dog	CATTGTAAACTGATAAGAT- - - - - GTATTTCAA- - AGAAGT- CACGTCTCACTTTTTTGAAGGTTGGG- AAAGTGG								25199
BelugaWhale	TGAAAATAAGCATATGAAAAG- - ATGCT- - - - - TCACAT- CAAATGTC- - ATTAAGGAAATGCA- - - - - AACTGAA								21343
Donkey	TATTTTATTCTTTT- TGTTGCA- - GTTCTCTTTTCTAGTT- CATTATTAGTGTGTAG- AAATGCAACGGA- TTTTAT								25960
Cat	CTGTAAACCTACTGTAGTTTA- - GCAGCATGTG- - TGAAAT- CATTTGAGGGAGAAAC- AAGACCACAAAT- AGAATG-								28389
Ferret	CTGTAAACCTGTTCTTGTA- - - - GCAGCATGTG- - TGAAAT- CATTTGAAGGAGAAAAAAGCCACAAAT- AAAGGAT								24851
Lion	CTGTAAACCTACTGTATTTTA- - GCAGCATGTG- - TGAAAT- CATTTGAGGGAGAAAC- AAGACCACAAAT- AGAATG-								26720
Vaquita	TGAAAATAAGCATATGAAAAG- - ATGCT- - - - - TCACAT- CATATGTC- - ATTAAGGAAATGCA- - - - - AACTGAA								22022
Pig	TGGCAAATAAGCATATGAAAAG- - ATATT- - - - - CCACAT- CATATACC- - GTTAAGGAAATGCA- - - - - AACTAAA								20555

Majority	ATATCXTTTTTAT- - XX- - - - - XXTGCT- X- - - T- XTTACTTCTGAAXAGCC- TX- T- - - X- - - XX- AGTGTCTGA								
	30810	30820	30830	30840	30850	30860	30870	30880	
Human	ACTTAATATTTGTGTCCTTGCCCGGTGTCTTTCTGTCATGGTCCCTAGGCTGCCATCTCCACAGGAGAAAATGTTTGGT								27130
PolarBear	-----								0
Cow	ACATCTCCTGTATTGGCA- GGTGGATTCTTTACCACTTGCATCACCTGGGAAGTCCATATTC- ATGTATAGAAATACTCA								25913
Dog	TGGTTTTTTTTGAGGAAC- - - - - GATGGG- ACAATTGTTAATTACAAAACATTCATCTTCA- CTTTATTGTTGTCCCA								25271
BelugaWhale	ATAACAATGAGAT- - - - - ACTGCT- - - - - ACACTGTCAGAATAGCC- - - - - AGAGTCTGGA								21389
Donkey	GTTGATTTTGTACCCTGCAACTCTGTTGTAGTTGTTGATTATTTCTCATAGTTTTCTGGTAG- ATTCTTTAGGGTTTTCT								26039
Cat	- - - - - TAAAAAAA- - - - - AAATTAATTCGTTAATGAACATATATTGTAG- GAAGGAGAGTGTCTGC								28446
Ferret	TTTTTTTTTTAAGAAATCAACAAGACGTT- GTCATTCTACTTCTACATACATTGTAGGA- AGGAGAGGGTGTCTGC								24929
Lion	- - - - - TAAAAAAA- - - - - AAATTAATTCATTGAACATATGTTGTAG- GAAGGAGAGTGTCTGC								26777
Vaquita	ATAACAATGAGAT- - - - - ACTGCT- - - - - ACACTGTCAGAATAGCC- - - - - AGAGTCTGGA								22068
Pig	ACAACACTAGAAT- - - - - ACTGCT- - - - - ACACTATCAGAATAGCC- - - - - AAAATCTGGA								20601

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Majority	ACACXGXAAATCATAAATXCTGGCXAXGATX- - - - TAGAXTCAGXGAAATCTXAX- - - X- AT- TCCTGATGCCTTAT-								
	30890	30900	30910	30920	30930	30940	30950	30960	
Human	TAGTTCTCAGTCCCAAACCATAGCAGAGCCC- - - - AGAGACTCTTGTCAACCCTCAGCCTTCAGTCCTTGGTTGCCTTCTT								27206
PolarBear	-----								0
Cow	ATATTGTCAGGTGTCACCTTCTTCCCAAATGATCTATAGAGTCAGTGCAATCCCAGTCA- AAAT- TCCAGCAA- GTTAT-								25989
Dog	ACA- ATTGTTTGTGAACCCTTTAGTGTGGTT- - - - TCGTGACACTTTGGGGTACT- - - - - AT- CGTAGAGGTGACA- -								25336
BelugaWhale	ACACTGGAAACCATAAATGCTGGCAAGTATG- - - TGGAGTGTGAG- GAATTCTCAT- - - - ATAT- TGGGAATGCAAAAT-								21459
Donkey	ATATATAGAATCATAGCTCCTGACAACAGCAAGAGTTTTACTTTGTCCTTTCCAATTTGTATATCTTTAAATATTTCTTT								26119
Cat	ACACCACACATCAGAATTACAGGCT- - - - TT- - - - - TATACTTCAGAAGACCTAAG- - - - - AT- TCCTCACCCCTTATC								28510
Ferret	ATGCATCACATCAGGATTACAGGCTTTCTTT- - - - - TATACTTAAGTAGATCTAAG- - - - - AT- TCCTCACTCCTCATC								24997
Lion	ACACCACACATCAGAATTACAGGCT- - - - TT- - - - - TATACTTCAGAAGACCTAAG- - - - - AT- TCCTCACCCCTTATC								26841
Vaquita	ACACTGGAAACCATAAATGCTGGCAAGGATG- - - TGCAGTGTGAG- GAATGCTCAT- - - - ATAT- TGGGAATGCAAAAT-								22138
Pig	ACACAGGCAACCATAAATGCTGGTGAAGGATG- - - - TGGAG- CATTGGAAACTCAT- - - - ACAT- TCCTGGTG- GGAGT-								20668

Majority	TACATAGCTACTTAX- - - - - - - - GAACXC- - XXTGGAGTTTAXCTATT- - - - - - - TATTACAACAAACAACA- - -								
	30970	30980	30990	31000	31010	31020	31030	31040	
Human	CGCAGACCTGGCAGCTCTTCCACCTGAAAGTGATACATGGTATTAATAGTTGGACTAGACTATTATGATAAACAGAGTAT								27286
PolarBear	-----								0
Cow	TATATGGGTATCAAC- - - - - - - - ATATTGATTGTGAAGTTTATATGGAGAAGCAAAAACCTCCAGAATAGCCAACA- - -								26056
Dog	- - CACTGCTGAATGT- - - - - - - - GAGCCC- - ACGGCATTCATGCTGTC- - - - - - - - TTCTGACTAATCACA- - -								25387
BelugaWhale	TATATAGCCACTTTG- - - - - - - - GAAA- - - - - - - ACAGTTTGGCTCT- - - - - - - - TCTTACAAAACCTGACCA- - -								21508
Donkey	TTCTTGCCTAATTGCTCTGCA- - - - GAGCACTTTTTCTTAATGCCATATTGCATACTTATCATAAAACAGAGAACAC- - -								26193
Cat	TCCAGAGTTACTTAT- - - - - - - - GAACCCCACTGGTATGGAAGGATTAT- - - - - - - - GACTCCCGCAAACATCT- - -								28569
Ferret	TCCAGATTTACTTAT- - - - - - - - GAATCC- - ACTGGGATGGAAGCATT- - - - - - - - TTGACGCATACATCT- - -								25050
Lion	TCCAGAGTTACTTAT- - - - - - - - GAACCCCACTGGTATGGAAGGATTAT- - - - - - - - GACTCCTGCAAACATCT- - -								26900
Vaquita	TATATAGCCACTTTG- - - - - - - - GAAA- - - - - - - ACAGTTTGGCTCT- - - - - - - - TCTTACAAAACCTGACCA- - -								22187
Pig	TACATAGCTACTTTC- - - - - - - - AAA- - - - - - - GAGTTTGGCTG- - - - - - - - TTCTTAAATAGTGAACA- - -								20714

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Majority	-- AAAAAGTAAAGTAXTATAA-- - AXT- - - - - - - - - - - T- - AAACAAC T CXAX- AXTTTGT TTTAAXCTATAGGAGTCT	
	31050 31060 31070 31080 31090 31100 31110 31120	
Human	CTAATAACCATGAGAATAAAAAACAAGAAATTTGTAACATTGAAATGAGTGCTA- AATGGCCTTTAATCTG TACTTGCTT	27365
PolarBear	-----	0
Cow	-- CAGTATTGAAGGAGAATAACAAAGTTGGAGGACTGATACTACTCAACTTCAAGATTTAATATGAAGCTACAGTAATCA	26134
Dog	-- AAAAATCACTGTGGTTTAG- - - AAT- - - - - - - - - - - TATCAACAAC TTAATCAACTTAATCCCAGATTTGGATGATT	25450
BelugaWhale	-- TACTCGTACTGTACGATCC- - - AG- - - - - - - - - - - CAACTCG- - - - - TTGGTATTTATCCAAAGGAGTTT	21559
Donkey	- TTGGGCCAGCCCCAGTATAGCCTAGTGCTTAAGTT CAGCTTGCTCCACTT CAGTGGCCTGGGTTTGGT TCCCAGGCGCT	26272
Cat	-- AAAAAGTAAACTAATAATATA- TATA- - - - - - - - - - - TACATGAAAACAGGTCAAGTATACTTTTGAAAAGTATGGGAGTCT	28639
Ferret	-- AAAAAGCAAAC T GATAAGACC- TAT- - - - - - - - - - - TGAAAAGAATT CAGGTATACTTTTGAAAAGTATGGGAGTCT	25115
Lion	-- AAAAAGTAAACTAATAATATA- TATA- - - - - - - - - - - TACATGAAAACAGGTCAAGTATACTTTTGAAAAGTATGGGAGTCT	26970
Vaquita	-- TACTCGTACTGTACGATCC- - - AG- - - - - - - - - - - CAACTCG- - - - - TTGGTATTTATCCAAAGGAGTTT	22238
Pig	-- TACTCTTAAAGAAGCA- - - - - - - - - - - G- - - - - - - - - - - CAACTCC- - - - - TTGGTATTTACCCAGAGGAATGG	20761

Majority	ATGX- - - - T- AGTTTTTGTGCAXXTXX- - - AATAAXAAXCTGCAXXTAXXCTTAATAAACA- XGATATATXCACXCTGG	
	31130 31140 31150 31160 31170 31180 31190 31200	
Human	TTGCACATTTTTTTTTAAGTGGTTTCTTCTCTGACGTGTAGAGTGTATCTTCCTATTTCTGAATTTTCTTGTTTCTGTG	27445
PolarBear	-----	0
Cow	AGGCAGCCT- GGTTTTCGT GAAACAGAA- - TAGAGAGCCCAGCATAGAGCCCCCTATAAATATAGTCAAACCTATTTTTG	26211
Dog	TTGTAAAT- - GTGTTCTCTCCATATATG- - AATGAGGA- ATATTCTAAAGCTTAGAATAGTTAAGAAATTT- - ACTAGGT	25523
BelugaWhale	AA- - - - - - - AACTTACGTATA- - - - - - - - - - - CACAGAAACCTGCACGTGGATCTTAATAG- CA- - GCTTTATTCATAATAG	21620
Donkey	GACCCACACTGCTCTGTTAGCAGCCA- - - TGCTGTACTGGCAGCCCACACACTGAAAAATAGAGGAATATTGGCACAGA	26348
Cat	GTGTTTTCTGAGAACTTGGGCAACTGTT- - AATAAT- - - CAGCATT CATT CATTAGTCAACAGTTATATATGGACCCTGT	28714
Ferret	TTGTTTTTTAAGAACTAGGGCAATTGTT- - AATAAGCA- TTCATTCACTTATTTAGTTAGCAATTACATGTGCACCCTGT	25192
Lion	GTGTTTTCTGAGAACTTGGGCAACTGTT- - AATAATAATCAGCATT CATT GATTAGTCAACAGTTATATATGGACCCTGT	27048
Vaquita	AA- - - - - - - AACTTACGTATA- - - - - - - - - - - CACAGAAACCTGCACGTGGATCTTAATAG- CA- - GCTTTATTCATAATAG	22299
Pig	AA- - - - - - - T- ACTTTATGTACA- - - - - - - - - - - CATGGAAACCTGCACATAGATCTTAATAGGCA- - GCTTCATT CACAGTTG	20824

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Majority	GCXTXGCTGGXAXXX- AXAAXAXX- - X- - - AXGAT- GTCTTTCTGXTCGGTGCXAATGGXCTXA- TAAACTXXATGTGXX	
	31210 31220 31230 31240 31250 31260 31270 31280	
Human	GGATGTTAGTTTCTCTTGAAATGGTCATTGATATTACTCAGGAAGAAAAGTTTCTGTGGTCAGATTTAATAAGAGATATC	27525
PolarBear	-----	0
Cow	ACAAAGAGGGCAAAGGCCAAAACAGTGGAGCAAAGATAGTCTTTCTGACAGGTGCTAGTGAACAACCTGAAATCCATGTGCA	26291
Dog	ACTTGGCTGGCAGGTGG- AAG- ----- CTAACCTATCGGAGCCCCTTTTCTTT- TTTTTTTTTTTTTTT	25584
BelugaWhale	GCAAAACATGGAAG- - CAACCAA- ----- GAT- GTCTTTCAG- TAGGTG- - AATGGATTAA- CAACTG- TGGTACG	21683
Donkey	TGTTAGCTCAGGGTGAATCTTCCTCAGCAAAAAACAAAAACAAAAACAAAGAAAACAGGTTAATTTCATCACATGAACA	26428
Cat	GCTTGGTTGACACTTCGGAATATTATAGTGAACACTGCTGCGGTGGGCTAGGCACACTGTCTGG- TAACCACTGTTTGTG	28793
Ferret	GCTTGGTTGTCACTTGGGAATATTGTAGTGAACACTGCCCATGTGGGCCAGGCATGCTGTCTGG- TAATAAGTGTTTGTG	25271
Lion	GCTTGGTTGACACTTCAGAATATTATAGTGAACACTGCTGCGGTGGGCTAGGCACAC- - - TGG- TAACCACTGTTTGTG	27123
Vaquita	GCAAAACATGGAAG- - CAACCAA- ----- GAT- GTCTTTCAG- TAGGTG- - AATGGATTAA- TAGACTG- TGGTGCA	22362
Pig	CCAAAACGTGGAAG- - AAATCAG- ----- GAT- GTCCTTCTG- TGGGTG- - AATGGATTAA- TAAAGT- - ATGTACA	20886

Majority	TXTXA- AX- ATTTAAACAXA- - T- GXTTTTTXTATAAATATTTAAATCAATATXATTAAT- GAG- CXATTTAAAACCTTATG	
	31290 31300 31310 31320 31330 31340 31350 31360	
Human	TATGCTAGTCTTAACATTTA- - ATTTCTTTTAGTTGAATCTAAAATTGATATCATTCTTAGAT- TAATTAAAATTTTTT	27602
PolarBear	-----	0
Cow	AAAGAATGAATTGAGACAGACGTTAAACTTTTCACAAAAATTAACCTCAAGGTGGATCATAGAC- CTAAATATAAAATGCT	26370
Dog	TTTTTTTTTTTTTATTTTTT- - TTTTTTTTTTTTTTTTTTTTGGAGCCCCTTTTCTTAAT- GCC- ATATTGCATACTTGTC	25660
BelugaWhale	----- TCCCAACAA- - - T- GGGTAATTATCAGCAGTAAAACAAAATGAGTTATAAAG- CCATGAAAAGG- CATG	21747
Donkey	GACTAGAAAAAAGGAAAAATCACATGATCATATCAGTAGATGCAGAGAAAGTATTTGACAGAATCCAACACCCATTTCATG	26508
Cat	TGTTACAGCATTTAATCCCA- - AGGATTTTAAATGTAAATACTTTCTTCATATTACAAAT- GAG- GAAGTTAAAACCTTAGG	28869
Ferret	TATCATAACATTTAATCCCA- - AGGATTTTGAATGTAAATGTTCTGTCCATGTTATGAAT- GAG- GAAGCTTAGAATAGTT	25347
Lion	TGTTACAGCATTTAATCCCA- - AGGATTTTAAATGTAAATACTTTCTCCATATTACAAAT- GAG- GAAGTTAAAACCTAAG	27199
Vaquita	----- TCCCAACAA- - - T- GGGTAATTATCAGCAGTAAAACAAAACGAGTTATCAAG- CCATGAAAAGG- CATG	22426
Pig	----- TCCAGGTAG- - - T- GGAGTATTTATTAGCAGTAAAACAAAATGAGTTTT- - - - - CAAGTCC- - - - TGCA	20942

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Majority	AXAGTAAXTTACTACTTXAAAAGCAGGTTGGTAAATXATATAATTCAAX- - - - TTXTGATAATGCTATATXGCATAXXT								
	31370	31380	31390	31400	31410	31420	31430	31440	
Human	AAAGAGCATGTATTCTTTAGTATTTTATTCTAAGTACCACTAATTTGATTTGTTTCAACAGTCATTAATGTGGGGCAGT								27682
PolarBear	-----								0
Cow	AAACTATAAAATTTTGTAGAAAATAATGTGGGAGAAAAATCTCGATAATTA- - - GGTACAAAGGTATCTTTTCAGGTACAA								26447
Dog	ATA- CAA- - - CACAATGAAAAATTAGGTTTGTTAATAATAATAATCTAA- - - - TTGTAGGTCACATCAAACAACAACATA								25731
BelugaWhale	AGGGGTCCGTGGTACCATAAATGCAAATTACTAAATGAAAGAAGCCAAC- - - - - TGAGAATGCTACATACTGTGTGA								21819
Donkey	ATA- - AAAACTCTTTTCAGTAACCTAGGAGTAGAGGGGAACTTCTCAACTTGATAAAGGGGCATCTACAAAAAACTATAG								26586
Cat	ATAATTATTTACTAGTTACATAGCTGGTAGGTGGAAGCTAGACTACAGAGCCCCTTTTCTTAATGCAATATTGCATACTT								28949
Ferret	AAG- TAATTTCTAGTTACATAGCTGGTAGGTGGAAGCTAAACTATGAG- CACTTTTCTTAATGCTATATTGCATTCTT								25425
Lion	ATAGTTATTTACTAGTTACATAGCTGGTAGGTGGAAGCTAAACTACAGAGCCCCTTTTCTTAATGCAATATTGCATACTT								27279
Vaquita	AGGGGTACGTGGTACCATAAATGCAAATTACTAAATGAAAGAAGCCAAC- - - - - TGAGAATGCTACATACTATGTGA								22498
Pig	GAGGCATGGGAGTACCTTAAATGCATATTACTAAATGAAGTCAATC- - - - - TGAGAATGTTATATCCTATGTGT								21011

Majority	TTCCAA- AACATAA- TXAAAAA- AAGTXAATATTTA- XAGCAACAATAAX- - - - AAXXAAXXAATT- - - - XX- X- - - -								
	31450	31460	31470	31480	31490	31500	31510	31520	
Human	CATCAATCACTACCATTGATCATTATTTTATTTATATACATTGTAAGTTAAATGACCAGGCTGAAATAATTCAGATGAAATTA								27762
PolarBear	-----								0
Cow	CACCAA- AGACATAA- TCCAAGA- AAGACATAATTGATTAGCTGGACTTGATT- - AAAATCAGTAATTTTTTTGTC- - - -								26518
Dog	CTAAAA- AAACAAGT- TCAAAGTCACGATGATAATAATCAGCAACAGTAGGTG- - AATAAGAAAAAAA- - - - -								25795
BelugaWhale	TTCCAG- CTATAT- - - TCTGAAA- AAGGCAAAACTGA- - GGAGACAACAAA- - - - AAGATAAGGGGTT- - - - -								21876
Donkey	TACTGTCATACTTAA- TGGTGAAAAACTCAATGCTTTCTCCCTAAGATCAGGTACAAGACAAGTATGTCCCCTCTCACCA								26665
Cat	GTC- AT- AAAAACA- TGAAAAGTAACTAATCTATTACATCAGTAGACTGAA- - AAAAGAAAAATCACATTTGACAAA-								29023
Ferret	TGCTGT- AAAAACA- TGAAAATTAGGATAATCTCTCACATCAACAGTCCAGA- - AAAAGAAAAAAT- - - - -								25489
Lion	GT- - - - AAAAACA- TGAAAAGTAACTAATCTATTACATCAGTAGACTGAA- - AAAAGAAAAAATCACATTTGACAAA-								27350
Vaquita	TTCCAG- CTATAT- - - TCTGAAA- AAGGCAAAACTGA- - GGAGACAACAAA- - - - AAGGTCAGGGGTT- - - - -								22555
Pig	TTCCAA- CCACGT- - - TCTTGAG- AAGGCAAAATTA- - TGGATACAACAAA- - - - AAGATCAGTGGTTGCCAGGGC- - - -								21076

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Majority	-----XACATGXGTTTAGAAGAAXAGCCAGAXX-AGAX-----XA-----XXTTGAT--AX-----A-T-								
	31530	31540	31550	31560	31570	31580	31590	31600	
Human	TTCTGTCAGTTAATGTGGTAATGTTAACATTTATCAGTAGTGCTGAATCACTTCTTTTGGGCATAATAGTGGTAAGCTTT								27842
PolarBear	-----								0
Cow	-----TGTGAAATATATCTAGAAGACAAGCCACAGACTTGGAGAAAATACTTGCAAATAATACACGGAGCAAAGGGCTA								26592
Dog	-----AGCATTTGTTTTGGGCAGAATCCAACATCAGTT-----TGTGAT-----								25834
BelugaWhale	-----GGGAGGAGTTTGGATGAATAGGCAGAG-----								21903
Donkey	CCACTTTTCAACATTCTACTGGAATTCTTGCTAATGTGGTAAGGCAAGAA---AAGAAAATAAAAAGATACACAGATTG								26741
Cat	-----TCTAATATCCACTTATGACAGAGGCTAGAAATAGATGAGAACTTCCTCAACTTGATGAAAAATATCTACAAAAA								29097
Ferret	-----CACATGATAATAGCAATAGATGCAGAAAAAGCA-----TTTGATGGAATCCAGCATCCACT-								25545
Lion	-----TCTAACATCCACTTATGACAAAAGGCTAGAAATAGATGAGAACTTCCTCAACTTGATGAAAAATATCTACAAAAA								27424
Vaquita	-----GGGAGGAGTTTGGATGAATAGGCAGAG-----								22582
Pig	-----C-TGGAACAGGGTTGGATGAATAGGCAGAG--CACAGAGATTATTTTTAAATT-TTT-----ATTA								21133

Majority	-TA-AAAAACTAXAXATAAXCTTC--TXGCTTTATGX-XAXAACTCAACXTTXXT-AAAAACATCTACAA-----G-GA								
	31610	31620	31630	31640	31650	31660	31670	31680	
Human	TTGCTCAATGCAAAGACAGGCATAATTGCTTTTTTCAAATAAAAATGTAATTTGTAAAAATACTCCAGTAATTTTTGTAA								27922
PolarBear	-----T-GAAAAACATCTACAG-----G-GG								19
Cow	TTATCTAAAATACCCAGAACTTT--CAAACCTCAGCAGTAAGAAAGCAACCTGATTAGAAAGTGGACCAAAAAA-TTT-GA								26668
Dog	----AAAAACTAGAAATAGTTTC--CAGTTTTAGGAGAACCTCCTCAACCTGGT--GAAGAACGTCTACAA-----A-GA								25900
BelugaWhale	-----								21903
Donkey	TGAAAGAAGACATGAAACTCTCG--TTGTTTTGCAGATGACATGATAGTCTATGTTTGAAATTCAAA-AGAATCAACA-AA								26817
Cat	ATAAAAAACCTACAGGTAACATC--GAACTTAATGGTGAGAACTCAACACTTTC-TAAGATTAGGTACAAGGAAAG-GA								29173
Ferret	-TACAAAAACTAGAAAGTAGTTTC--TAGTTTTAGGAGAACTTTCTCAGCTTGATG-AAAAACATCTAC-----G-GG								25613
Lion	ATAAAAAACCTACAGGTAACATC--GTACTTAATGGTGAGAACTCAACACTTTC-TAAGATTAGGTACAAGGAAAG-GA								27500
Vaquita	-----								22582
Pig	TTATTATTATTTTTTTGGTCTTT--TTGCCTTTTC--TAGGGCTGCTCCCGCGGCATGTGGAGGTTCCCAGG--CTA-GG								21206

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Majority	CACCXCATCA- - - - - ATXXATTXATTTTCAGCATC- - - - - AAXXXTT- X- TXAXXTCAT- - - - - GGTACA	
	31690 31700 31710 31720 31730 31740 31750 31760	
Human	AATCTCAAATTGCAAATAATTTGACGTTATTCTCAGTAATGAAGGCT- - GTTAAATCTCCTCTCTTAACGGCAGGTATG	28000
PolarBear	TGCCTGGGTG- - - - - GCTCATTGAGTTAAGCATC- - - - - TACCTTTGGCTCAGGTCAT- - - - - GATCCC	73
Cow	CACCTCACCAAAGAAGATATACAGATGGCAGATACACATATGAAAAGATGCTCCACATCATATGTCATAAAGTAAATACA	26748
Dog	AACTAAAACAT- - - - - ACTTAATGGTGACAAAATC- - - - - AGCACTTA- TAAGATTA- - - - - GGTACA	25953
BelugaWhale	- - - - - C- - - - - A- - - - -	21905
Donkey	ATCTCCTTGAACATAAAGCAATTATTGCAGGATTGCAGGATACAAGGTTAAT- ATACAAGTCAATTGCATTCCCTGTATA	26896
Cat	CATTCCATCTC- - - - - ATCACTTCCTTTCAACATCCTATTGGAAGCTTTTGCTAATGTGGT- - - - - AGGGCA	29235
Ferret	CACCTGGGTG- - - - - GCTCAGTCGATTAAGCGTC- - - - - TGCTCTT- - - TCAAGTCAT- - - - - GGTCCC	25664
Lion	CATTCCATCTC- - - - - ATCACTTCCTTTCAACATCCTATTGGAAGCTTTTGCTAATGTGGT- - - - - AGGGCA	27562
Vaquita	- - - - - C- - - - - A- - - - -	22584
Pig	GGTCCAATCGGAGC- - - - - TGTAGCTGCCAG- - - CGCTTGCCAGAG- - - - - CCACAGCA- - - - - ACACAG- - GATCTG	21264

Majority	AGAXXXAGGAATGGAACXXAG- ATCAGGXXCXCAGAXXX- - A- - - - - X- - - X- CTCAACATXCTATXCCXA	
	31770 31780 31790 31800 31810 31820 31830 31840	
Human	AAATCATTGAGGAAGAAAAAGTTTATAAATACAACTTAAAAAAAATGGA- - AAGACTTTTCCATGCAAAAAGATGC	28078
PolarBear	AGGGTCCTGGGATGGAGCCCCGCATTGGGCTCCTTGCTCGGCGGGGAGCCTGCTTTG- - CCCTCTGCCTACCACTCCCC	150
Cow	AACGGAAACAACAGTGAAATACTGCTACACTATCAGAATAGCCAAAATACTGTTTCAGAATAGTTAAAACACTGGCACCC	26828
Dog	AGG- - CAAGGATGTTGCCTCTTATCAGTTTCTTT- - - - - CAACATTCTATTGCAA	26001
BelugaWhale	- - - - -	21905
Donkey	CAAATGAACAAGTGCAATTTGAAATTAAAAACACAATACCATTTACA- - - - - TTAGCCCCCAAAAATGAAATACTTA	26969
Cat	AGAAAAGAGAAAAGGTACACAG- ATCAAGAAAGAAGAGATAAAAT- - - - - TGTTCA- - - CAGATGACATGGTATATGTA	29305
Ferret	AGGGTCCTGGGAGGGAGCCCTGCATCAGGCTCTCTGCCTG- - - - - CTCTGCCTGCCACTCCCT	25722
Lion	AGAAAAGAGAAAAGGTACACAG- ATCAAGAAAGAAGAGATAAAATCG- - - TTGTTCA- - - CAGATGACATGGTATATGTA	27635
Vaquita	- - - - -	22584
Pig	AGCCG- - - CGTCTGCAACCTACAGCACGGCTCACAGCAACGCCAGA- - - - - TCCTCAACCCACTGAGC- - -	21324

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Majority	GTAAATGTGAAXGAX- - - T GAAATXTXTCTAGXACAAATAAAT- - - - AATXAAAAT- CTX- - - - XAAAA- - - - -										
	31850	31860	31870	31880	31890	31900	31910	31920			
Human	ATTGCAG- GAAGGAGGAAGAGTGTCTTCATAGCACACCACAAGTCAGTATTAGAGGCTTGCTTTTCT- ACTTGA- - - GT										28153
PolarBear	GTGCTTGTGTGTGCA- - - - TGCTCTCTCTGTCTGACAAATAAAT- - - - AAATAAAATGTT- - - - - AAAA- - - - -										206
Cow	GTAAAGGCCGGGAGGATATTGAGTGTGAGGAAATCTCATAGATTCCTGGTGGGAATGCAGAATTATATAGCCACTTTGG										26908
Dog	GTTTTTGCTAATGTG- - - - - GTGTTTTTCTTAGGGCAAAAAAAC- - - - AAAAAAA- - - - - AAA- - - - -										26051
BelugaWhale	----- C-----										21906
Donkey	GTATAAATCTAACAAAATATAAATAAGATCTATGTGAGGAAAAT- - - - - GACAAAACCTCTGATGAACGAAACCAAAGGGC										27044
Cat	GAAAATCTGAAAGAAC- - - TGAAAAAAATCTAGAACTAAGAAGC- - - - AATAATTGCACTG- - TTGCAGGATTC- - - - -										29370
Ferret	GTGCTTGTGCATGA- - - - - GCCATTTCTCTCTGACAAATAAAT- - - - AAATAAAATCTT- - - - - TAAA- - - - -										25776
Lion	GAAAATCTGAAAGAAC- - - TGAAAAAAATCTAGAACTAAGAAGC- - - - AATAATTGCACTG- - TTGCAGGATTC- - - - -										27700
Vaquita	----- C-----										22585
Pig	- - - AAGGCCAGGGA- - - - - CCGAACCTC- - A- ACCTCAT- GGTTCCTAGTCGGATTTGTTAACCCTGAGCCGTGACGG										21392

Majority	AAAATCAAXXAGAAAXTTXAXCTTAGTGX- - AXATAXTGG- - - TGTATAATCTCAAXAC- TXATAAAATATATAT- - - -								
	31930	31940	31950	31960	31970	31980	31990	32000	
Human	AGACCCAAGATTCCCCACCTATCGTCTTCCAAAGTTACTTGTGATCCACTGCAATCACAAGTTTTACAGTGTGTATACTC								28233
PolarBear	AAAATCTACAAAGAAACTACAGCTAACAT- - - ACTTAATGG- - - - TCAGAAACTCAACACTTTCTAAGATTAGGTA- - - -								275
Cow	AAAACAAATTAGCTGTTTTTACAAAGCTGA- - ACATACTTGTACTATATGATCCATAACCTCTTGATACTTATTCAAAG								26986
Dog	AAAAAAAAACAAAAAAAAAAAAAAAAAAAA- - - AAAAAAAAA- - - - AAAAAAAAAAAAAACAAAAAAAAAAAA- - - - -								26113
BelugaWhale	- - - - - AGAGGATTTTTAAGGTAGTGA- - AGATACTG- - - - TGTATGATGTTACAA- - - - - TGACGGATATGT- - - -								21962
Donkey	TAAATAAATAGAGTTGTTCCATGTTTGTGG- - ATAGGAAGACTCAGTATTATCACGATGT- TAGTAATTCCCATCTCGAT								27121
Cat	AAGGTTCATATACAAACATCGGCTGCTTTCCTATATATCAGTGGTGAACAAGTGAATTTGAGATTAAAAACACAA- - - -								29446
Ferret	AAACTCTACAAAGAAACTACAGCTAACATCATACTTAATGT- - - - GCAGAAACTCAGCACTTTGTAGGA- - - - -								25841
Lion	AAGGTTCATATACAAACATCGGCTGCTTTCCTATATATCAGTGGTGAACAAGTGAATTTGAGATTAAAAACACAG- - - -								27776
Vaquita	- - - - - AGAGGATTTTTAAGGTAGTGA- - AGATACTG- - - - TGTATGATGTTATAA- - - - - TGACGGATATGT- - - -								22641
Pig	GAACTCCCAGAGAATTTTTAAGGTAGTGA- - AAATATTT- - - - TGTATGATGTTATTA- - TAATGATGTGTATC- - - - -								21459

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Majority	- TATTACA- - AATATATCCAAACACATAAATATACAAATGTATAATATTGAAAX- AATATACATAAGTXXTAAGACATGA								
	32010	32020	32030	32040	32050	32060	32070	32080	
Human	TAGGTGTATGGAAGGATTTGAATTCACAAATAGTCAAACATCAGAAGAATAAGCTGATAATAATACATTTGAAAAGAGGT								28313
PolarBear	- CAAGGCA- - AAGACATTCTCTCTCATCAGTTCCTTTCAACATTCTGTTGGAAC- TTTTGTCTCATGTGGTAGGGCAAGA								351
Cow	GTGTTGAA- - AACTTACGTATACACAGAAACCTGCACATGTATCTTAACAGCAGCTTTATTTCATAATTGCCAAAACATGA								27064
Dog	- - - - - AAA- - AA								26185
BelugaWhale	- CATTACA- - CATTTGTCCAAACCCTTAGGCATTTAAATGTACAGTATTAA- - - - - ACCCTTAG- - - - - GTAA								22022
Donkey	TTATAGATTCAGTGCAATCCTAATCACAATTCAGCAAGTTATTTTATGGATATCAGCAAACATTCTGAAGTTTATATGG								27201
Cat	- TATCACT- - GACAGAACCGCAGAAAGTGAATACCTAGGTATAAATCTGACAA- AATATATAGAAGATCTATGTGAGGA								29522
Ferret	- - - - GGCA- - AGGACATTCCCTCTCATCAGTTCCTTTAAACATTCTATTGGAAG- TTTTGTCTGATGTGGTAGGGCAAGG								25914
Lion	- TATCACT- - GACAGAACCGCAGAAAGTGAATACCTAGGTATAAATCTGACAA- AATATATAGAAGATCTATGTGAGGA								27852
Vaquita	- CATTACA- - CATTTGTCCAAACCCTTAGGTATTTAAATGTACAGTATTAA- - - - - ACCCTTAG- - - - - GTAA								22701
Pig	- - ATTACA- - TATTTATCCAAACACATTGA- - - - - GTGTACAATA- - - - - TCATGA- - - - - A- - - - TGA								21505

Majority	AAAGAACAAAAXT- - - - - TTGAGTAC- - - - - X- - AGAXCAAGAXGCAAAAXAA- - - - AGAXTTATC- - - - GT								
	32090	32100	32110	32120	32130	32140	32150	32160	
Human	CAAGTATATTTTTGAAAAGTACTAGGAGAGTTAAAGTGTTTTTGTGAACTAAGGAACAAAT- AA- - - - GGCATTGACAATATT								28388
PolarBear	AAAGGA- AATAAA- - - - - AGGTATAC- - - - - AGATCAAGAAGGAAAACAT- - - - AAAATTGTT- - - - GT								401
Cow	AATCAATCAAGATGTCCTACTTCAGTAGGTGAATGGATTAGTAAACTGTGGTACATAACAATGTGGTATTTATC- - - - AG								27140
Dog	AAAAAATAAAGGG- - - - - ATGGATACC- - - - - AGATCAAGATGGTAGAGAAC- - AAAAATTATT- - - - GT								26239
BelugaWhale	ACAGAAGT- - - - - TTGGGTG- - - - - A- - - - TTATGATGTGTCAAAT- - - AGGTTTCATC- - - - CT								22066
Donkey	AGA- GGCAAAAGACTCAGTATCCAACACAGTATTGA- - - AAGAGAACAATAATGGAGCACTGACACTACCCGACTTCGAC								27277
Cat	AAACTGCAAAACT- - - - - CTGATTAAT- - - - - GAACCAAAAACCAAATAAATGGAGAGATATTCCATGT								29582
Ferret	AAAGGA- GACAAA- - - - - AGGTATAC- - - - - AGATCAAGAAGCAAAACAT- - - - AAAATTATT- - - - GT								25964
Lion	AAACTGCAAAACT- - - - - CTGATTAAT- - - - - GAACCAAAAACCAAATAAATGGAGAGATATTCCATGT								27912
Vaquita	ACAGAAGT- - - - - TTGGGTG- - - - - A- - - - TTATGATGTGTCAAAT- - - AGGTTTCATC- - - - CT								22745
Pig	AC- - - - TC- - - - - TTGGGTA- - - - - A- - - - - AGTGGACTTTGGGTGATAA- - - - TGATATTTCATC- - - - CT								21549

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Majority	A- - - XA- TAAATXCAGT- - - TTGAAATAAAATTGAA- - - - - - X- - - - - - A- - ATXTXXGXA- T- - - - - -	
	32330 32340 32350 32360 32370 32380 32390 32400	
Human	ATTTTG- TATGTGGAGTAACTTGACCTTCAGTTTTTTTTGGTCTGAGAACAAAGGCCAAAAAATATGTAACAGTTA- - ATA	28620
PolarBear	GT- - GAACAAACGCAGT- - - TTGAAATGAAAAA- -	560
Cow	AGACAACAAAATT CAGGAGGTTGGAAGGAGTTTGGATGAAAATAGCCAGAGCACAGAGGATTTTGGGGGTAGTAAAAATA	27365
Dog	A- - - - AATTAATTAAT- - - TTGAAATTAATTTAA- - - - - - - - - - - - - - - - A- - ATCGCAATATT- - - - - - - -	26408
BelugaWhale	- -	22112
Donkey	AATGGAGGAAAGACAGCCTCTTTAACAAATGCTGCTGGAACAACCTGGACATCTACTGGAACAACCTGGAATTGAGACACAG	27516
Cat	AA- - TAGTCAACACAATA- - TTGAAGAAGAACAGAATCGGAGGACTGATCCTGCCCA- - ATTT CAGCACTTACTGTGAAG	29809
Ferret	GT- - GAACAAATGTAGT- - - TTGAAATAAAAAAAA- - - - - - - - - - - - - - - - A- - ATTCTTTTTTTT- - - - - - - -	26129
Lion	AA- - TAGTCAACACAATA- - TTGAAGAAGAACAGAATCGGAGGACTGATCCTGCCCA- - ATTT CAGCACTTACTGTGAAG	28139
Vaquita	- -	22791
Pig	- - - - AA- - - AATTTTTTTTTTTGGGGGGTCTTTTTAGGGCTATA- CCTGTGGGCATA- - - - - T- GGAGGTTCCCAGGCTA	21738

Majority	- - - - - XTA- - - - - - T- - - X- - TX- - X- - - - - - AXX- X- XTACAAATAXXXC- CAGAAX- A- - AXAXG- ATXCTA	
	32410 32420 32430 32440 32450 32460 32470 32480	
Human	ACGTAATTCACCTTACTTAGTCAATAAATATGTGGGGACATTGTA CT TGGT TGACACTTGGGAATATTGTAGTGAGCACTA	28700
PolarBear	- -	565
Cow	ATGTTAAAAAATAAATGTTAAAAGATGGATAT- - - - - ATGTTACTACACATTTGTC- CAGACCCACTGAATGTACAGTA	27439
Dog	- - - - - GTT- -	26446
BelugaWhale	- -	22112
Donkey	ATGTTACACCCTT CACAAAAATTAAC TCAAATGTATCATAGACCTAAATGTAAAATGCAAAC T AGTAGACG- ATAACA	27595
Cat	CTACCGTAATTGAGA- CAGTGTGGTTTTGGTGA- - - - - AAGAATAGACAAATAGGT CAGTGGAACAGAATAGAGATCCTA	29883
Ferret	- - - - - TTTTTTTAAG- TGATAGAAGTATATTAA- - - - - GTGAAGATACAGAAAAAGCTCTCAAGAGTGAGAGGGGTCCCA	26198
Lion	CTACCGTAATTGAGA- CAGTGTGGTTTTGGTGA- - - - - AAGAATAGACAAATAGGT CAGTGGAGCAGAATAGAGATCCTA	28213
Vaquita	- -	22791
Pig	GGGGTTAA- - A- - - - - - - - - - TCAGAGCTGTAGCT- - - - - ACTGGCCTGCAC- CATGGC- CACAGC- - - - - AATGTGGGGT-	21795

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Majority	- XA- AGCXXXCCCTG- AGTX- TX- - - - - - TGCTCATG- ACXATGCAAX- - CAAGA- CAGTGAAATAAXX- - - - -								
	32490	32500	32510	32520	32530	32540	32550	32560	
Human	CTGATGTGAGCCAGGCACTTTGCCTGGTAATCACTGTTCTGTATAATTTAATCCTAAGGGCTGTGATGTAGATGTTATC								28780
PolarBear	- - - - - TACTCTTG- AC- - AGCACC- - CCAGA- AAATGAAATAAATA- - - - -								600
Cow	TTA- AACCTTAATTAAGTATTAAACTGGACTTTGGGTGATT- ATGATACATTAATAATC- TTTGGTAATAAATG- TACC								27515
Dog	- - AAAAC- TAACCTA- GGTAATAA- - - - - ATCTACTA- ACCAAACAAA- - CCATA- GAGAAGAAGAG- - - - -								26500
BelugaWhale	- - - - -								22112
Donkey	TAGGAGAAAACCTAGATGTCCCTTGGATGTGATGATGCCTTTT- TAGATACAACACCAAAC- ATACAATCCATGAAAGAAA								27673
Cat	GTATAGAGCCCCCTGTAAACGTAG- - - - CTTATCTTTGATG- ACAGAGCAAAGGCAAGA- CAGTGGAGCAAATAATGGC								29956
Ferret	- - ACAGCGTTGCCTA- AAACACCA- - - - - TACTCTTG- AC- - TGCATC- - CCAGA- AAATGAAATAG- - - - -								26251
Lion	GTATAGAGCCCCCTGTAAACATAGTC- AGCTTATCTTTGATG- ACAGAGCAAAGGCAAGA- CAGTGGAGCAAATA- TGGC								28289
Vaquita	- - - - -								22791
Pig	CTG- AGCCGTGTCTGCAGC- - - - - CTACACCACAGCTCATG- GCAATGCAG- - - GATC- CCT- - - - - A- -								21847

Majority	- - XCTA- - A- AXAXAAG- - - - - XCTGAAATAAXTGXACATCTAXTGT- - GAXAAAGTATAXGXGAATCTG- - - - - AAT								
	32570	32580	32590	32600	32610	32620	32630	32640	
Human	CCTGTTTTACAAATAAAGAACTTCAGGCTTAGAATGATTAAGTACTGTTACCTAACTGATAAGTGGAAGCTG- - - - - AGC								28855
PolarBear	- - CCTA- - G- GTATAAA- - - - - TCTAACACAA- - - - A- ATATA- - - - - GAAGATCTATGTGAGGAA- - - - - AAC								649
Cow	AGTCTGGTG- GAGGATGCTGATAATGGAGGAGGCTGTGCATGTGTGGTGGCAGGGAGTATATGAGAAATCTGTTC- - - CT								27591
Dog	- - - - - A- - A- AGAGAAG- - - - - CCGAGAAGGA- - - - AGATCTG- - - - - GAGGAGGAAAAAAAAAGGAATAA- - - - - AAC								26551
BelugaWhale	- - - - - G- - - - GCGACGCATCTTTGGTAGCAGCGGGTATATGGGAAATCTGTTCTTCT								22161
Donkey	TAATTGATA- A- ACTGGACGTCATTAATAA- - AATCTTCTACTCTGTGAAAGACTATCAAGAAAATCAGAAAGCAAG								27749
Cat	GTTTT- - - A- ACAAATGGCT- - - GCTGGAATAATTGGACATCTACTT- - - GCAAAAGAATGAATCCAGACGC- - - - - AGT								30021
Ferret	- - - CTA- - G- GCATTAA- - - - - TCTAACACAA- - - - A- ATATA- - - - - GAAGATCTTTGTGAGGAA- - - - - AAC								26299
Lion	GTTTTT- - - A- ACAAATG- CT- - - GCTGGAATAATTGGACATCTACTT- - - GCAAAAGAATGAATCCAGACGC- - - - - AGT								28354
Vaquita	- - - - - G- - - - GTGACGCATCTTTGGTGGCAGCGGGTATATGGGAAATCTGTTCTTCT								22840
Pig	- ACCCACTG- AGAGAGGCC- - - - - - - AGGGATTGAACTCAGGTCCTCATGGATACTACTCAGG- - - - - - - - - - TT								21903

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Majority	TCXCAAXCTTCTGATAAATXX- - - - AACAAXXXT- - XX- XXAAACXTTAAAAA- AAA- - CAAAXTAGGAAACATTTTTCGA											
	32650	32660	32670	32680	32690	32700	32710	32720				
Human	TC-	CAGAGCACCC	TTTCTTAA-	- - -	TACAGTATTTT	CTACTTGT	CATGAAAACAT	GAAGAAAGCT	AGGAAACATTTTCTG	28930		
PolarBear	TA-	CAAAGCTCT	GATGACTGG-	- - -	AACAA-	- - - - -	AAAC-	- - - - -	AAA- -	ATAAATGGAGAGATATTCCA	701	
Cow	TCTCAATTTT	ATTTTAAATTT-	- - -	AACAAGTGT-	TCTAAAAAAT	TAAAAAGAAAA-	CAA	ACTAGGAAACATTTTGT	27664			
Dog	TA-	CAAATTTCT	GATGAATGA-	- - -	AACCA-	- - - - -	AAACAACCAACCCAAA-	- -	ACAAATGGAGAGATATTCCA	26612		
BelugaWhale	TCTCAATTTT	ATTTTAAACCT-	- - -	AA-	AAGTGT-	TCTAAAAAAT	TTTTAAAA-	- - - -	AATACTAGGAAAT- TTTTTGT	22227		
Donkey	CCACAGACTGGT	AAAAAATATTT	GCAAAAAGAT	ACATCT	GGGGT	GGCCAGT	GGCACAACAGT	TAAGT	GCGCATGTTCTA	27829		
Cat	TAACTCTTCT	GAAAAATTA-	- - -	ACTCAAAGT	ATATCATAAACCT	AAATG	TAAAATGCAAAACT	GTAAAATTCTTAGA	30097			
Ferret	TA-	CAAATTTCT	GATGAATGA-	- - -	AATAA-	- - - - -	AACCC-	- - - - -	AAA- -	ATAAGTGGAGAGATAGTCCA	26352	
Lion	TAACTCTTCT	GAAAAATTA-	- - -	ACTCA-	- - - - -	T-	AAACCTAAAT	GAAAATGCAAAACT	GTAAAATTCTTAGA	28420		
Vaquita	TCTCAATTTT	ATTTTAAACCT-	- - -	AA-	AAGTGT-	TCTAAAAAAT	TTTTAAA-	- - - -	AATACTAGGAAAT- TTTTTGT	22906		
Pig	CCTTAACCTC-	- -	TGAGCCAT-	- - -	GACAGGAAC-	-	TCCTAAAT	TTTTTAAAA-	AATC-	CAA	ACTAGGAAGCATT	21972

Majority	TGTTGATAGXGAA- - - - - XAAATCATXTATATXAXCAGG- - - - - XTGTTAATCCTT- - - - - AGCA										
	32730	32740	32750	32760	32770	32780	32790	32800			
Human	TGTTGATAAT	GAG-	- - - - -	CCAATAAT	GTGTATCAGT	GGT-	- - - - -	TCTTAAACTTT-	- - - - -	AGCA	28979
PolarBear	TGTTTGT	GAATA-	- - - - -	GAAGACTCA-	ATATTGTCAAG-	- - - - -	ATGTCAGTTCTTTCC-	- - - - -	AACT	752	
Cow	TGTTGATAGTTAA-	- - - - -	CCAGTAAT	GTTTATCAGCAGT-	- - - - -	TCTTAAACTTT-	- - - - -	AGCA	27713		
Dog	TGTTTGT	GGATAG-	- - - - -	GAAGACTCA-	ATATTGTCAAG-	- - - - -	ATGTCAGTTCT-	- - - - -	AACT	26660	
BelugaWhale	TGTTGATAGT	GAA-	- - - - -	CCAATAAT	GGATGTCAGCAGT-	- - - - -	TCTTAAACTTC-	- - - - -	AGCA	22276	
Donkey	CTTTGGT	GGCCTGGGGTTT	GCCAGTTT	GGATCCCCGGT	GCGGACAT	GGCACTGCTT	GTCAAGCCAT	GCTGTGGTA-	GGCA	27908	
Cat	AGATAATATAGGA-	- - - - -	GAAAACCT	ATATGATCTTGGGT-	- - - - -	ATGATGATGCCTTTTTAGATATAACA	30158				
Ferret	TGTTTGT	GGATAA-	- - - - -	GAAGCCTCA-	GTAGTGTCAAG-	- - - - -	ATGTCAGTTCTTTCC-	- - - - -	AAAT	26404	
Lion	AGATAATATAGGA-	- - - - -	GAAAACCT	ATATGATCTTGGGT-	- - - - -	ATGATGATGCCTTTTTAGATATAACA	28481				
Vaquita	TGTTGATAGT	GAA-	- - - - -	CCAATAAT	GGATGTCAGCAGT-	- - - - -	TCTTAAACTTC-	- - - - -	AGCA	22955	
Pig	TGTTGCTAGT	GAA-	- - - - -	CGAGTAAT	GTATATCAGTAGT-	- - - - -	TCTTAACTTT-	- - - - -	GGCA	22021	

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Majority	TGCAXCAGAAACAXCXGGAAAXCTTXXAAAAA-CTTAGXTCA-GTTGGATCCTATXTA-CCAXTGTTTTXTTCAGTAG	
	32810 32820 32830 32840 32850 32860 32870 32880	
Human	TGCATCAGAAACACTTGGGGATTTTTTTTTTTAAACCTGGGGT-TTTTAGATCCCACCCTCAGAGTTTCTTATTTCAGTAG	29058
PolarBear	TGATCTATAGATTTAATGCAATCCCAGTCAAAA--TTAGAGCAGGTTTTTTGTAGATA-TCAGCAGGTGGATTCTAAA	828
Cow	TTCATTAGAAGCACCTGGAGGGCTTGTTAAGGAA-CTTAGGTT--GTTGGATCCTGTCT--CCATTGTTTTCTTCAGTAG	27788
Dog	TGATCTATAGATTTAATGCAATCCCAGTCAAAA--TTAGAGCAAGTTGATTT-TAGAGA-ATGGTTATCAACCAAACAG	26735
BelugaWhale	TGCATCAGAAGCATCTGAAAGACTTGTTAA--AA-CTCAGGTT--GTTGGATCCTGTCT--CCATTGTTCTGTTTCAGTAT	22349
Donkey	TCCCACATATAAAATGGGGGAAGACGGGCACAGATATTAGCTCAGGGCCAGTCTTCCTCA-GCAAAAAGAGGAGGATGGG	27987
Cat	CCAACGACATAGTCCATGAAAATATAATTGATAATGCTGGACCACATTAATAA-TAAAAA-CTTCTCTTTAAAAGACAGT	30236
Ferret	TGATCTATAGATTTAATGTAGTCCCATTTCAGAC--TCAGAGCAAATTTATTTTCTGGATA-TCAGCAAGCGGTTTCTGAA	26480
Lion	CCAACGACACAGTCCATGAAAATATAATTGATA-TGCTGGACCACATTAATAA-TAAAAA-CTTCTCTTTAAAAGACAGT	28558
Vaquita	TGCATCAGAAGCATCTGAAAGGCTTGTTAA--AA-CTCAGGTT--GTTGGATCCTGTCT--CCATTGTTCTGTTTCAGTAT	23028
Pig	CGCATCAGAAGCACCTGGAGAGCTTGTTAA--A-CTCAGGTT--GTTGGACCTTATCCG-TCATTGTTTTATTTAGTAG	22094

Majority	--GTCTAGGXTAG-ATCXGGGAACATATGTTGCTXAAGAAATXXCCAGGTCXA-----XATACTGCTCTAG	
	32890 32900 32910 32920 32930 32940 32950 32960	
Human	--GTCTGGGATTGGACCTGAGAACATATACTGTC-AGTAAGCTTCCAGGTCTAATCTTAGGATTAGGGACCACACTTTGA	29135
PolarBear	--GTTTCTGGGA-----AGG-----GCAGAAGATCCAAAATAGCCAA-----CACAGTACTGAAG	876
Cow	--GTCTAGGATGG-ATCTGAGAACATATTTTCGCTAAGGAAATTTCCAGGTTTTT-----TATATTGCTCTAG	27852
Dog	--ACGAAAAGGA-----GGG-----GCAGAAGCCAGAAACAGATTTCG-----AGCGAAAGTTTCT	26783
BelugaWhale	--ATCTAGGATGG-ATCTGAGAACGTATGTTGCTAAGGAAATTTCCACGTCT-----AATGCTGCTCTAG	22411
Donkey	CAGTGGATGTTAG-CTCAGGGCTAATCTTCCTCAAAAAAAAAAAGAGATAAATCT-----GATAAAGGACTGT	28055
Cat	--ATCAAGAGAAT-TAGAAGCTAAGCCCCAGACTGGAGAAGGCATTTGCAAAA-----GATACATCTGATA	30299
Ferret	--GTTTCTAGGC-----AGGTTATGGGGACACAGAAGATACAGAATAGCCAA-----CACAAATATTGAGG	26539
Lion	--ATCAAGAGAAT-TAGAAGCTAAGCCCCAGACTGGAGAAGGCATTTGCAAAA-----GATACATCTGATA	28621
Vaquita	--ATCTAGGATGG-ATCTGAGAACATACGTTGCTAAGGAAATTTCCACGTCT-----AATGCCGCTCTAG	23090
Pig	--GTGTTGAAAG-ATGTGACATCATATGTTGCTAAGCAGGTGTCCAGGTCT-----AATGCTGCTCTAG	22156

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Majority	TGXCAXTXAGGTAXTGTTXATT- - - - - TAATTCTTGTATATCXCTXAXTTTXXATGCXAAXATGTAGAAAXCT								
	33130	33140	33150	33160	33170	33180	33190	33200	
Human	TCAATGTGGCTTGAAACTGGTTG- - - TATTTTTCTGTTTTTTTTTTTCTTTGTGCATTTGATGCTAATAAGTAGAAAGCT								29372
PolarBear	CCCC- GTA AATATAGTCAACT- - - - - CATCTTTGACAAAGGCACAAATGCAATACCA- - - TGGAGCAAAT-								1072
Cow	T- - - - - T- - - - TTATTT- - - - - TTCTTCTTGTATGTCTCTGAGCTTGATGTTAATAAATAGTTTGAT								28035
Dog	TGCCC- - - ATGGGTTGGCGAC- - - - - AAGCAACAGCGGTTGGGTTGGTTTTTTTGGG- - - TTGGTTTTTTT								26973
BelugaWhale	TGATACTATGTTTTTATTTTTTCT- - - - - TCATGCTTGTATTTCTGTGAAC TTGATGCTAGCAAGTAGAAAGCT								22613
Donkey	TGTCATCAAGGAAATACAGATTA AACAACAATGAGATAACTACTATACACCTATCAGAATAGCCAAAATCTGGAACACT								28278
Cat	TGTCATTGAGGAAATGTAAACT- - - - - AAAACAAGATACACACCTATCAGAATTGCCAAAATGTGGAGCACT								30506
Ferret	CCCCCTGTAAGTACAGTTGACT- - - - - AATCTTTGACAAAGGCTCAAGTGAATACCA- - - TGGAGCAAAT-								26736
Lion	TGTCATTGAGGAAATGTGAAC T- - - - - GAAACAAGATACACACCTATCAGAATTGCCAAAATGTGGAGCACT								28828
Vaquita	TGATACTATGTTTTTATTTTTTCT- - - - - TCATGCTTGTATTTCTGTGAAC TTGATGCTAGCAAGTAGAAAGCT								23292
Pig	C- - - - - A- - - - TTTTTG- - - - - TCATGCTTGTAA TTCTCTGAGTTTGATACTAATGAGTAGGAAGCT								22338

Majority	XXCAAAXTXAT- - AXGGAGATGAXGTATGGAXATXTTGGATCATTCTTATATTX- - TGTAATAGAATTTATTAAGGTAT								
	33210	33220	33230	33240	33250	33260	33270	33280	
Human	CTTAA AATATTTAAGGGAGACAACCTATGGATATCTGTTACTCTTCTCATATTTGTTGTAATACAGTTTATTCATTATG								29452
PolarBear	- ACAGTCTCAT- - TAGCAAATGCTGC- TGGAA- CAATTGGA- - - - - CATCCACT- - - TGCAAAAAGAATGAATCGAGACAC								1139
Cow	TTTTAAACAATG- AGGACAATGACATACGAATATTT- - - - - ATCATTTTTATATT- - - - - GTAATACAGCTTATTAAGAAT								28106
Dog	GGCGGGTTGGT- - TTGGCGACCCTGCCTTTGGGCTTGTGGC- - - - - CGTATGTT- - - AGGGCGTGGATCCGTTAGGGC- C								27042
BelugaWhale	TTTTAAA- - - - - AAGGGGATGACGTATAAATATTTTTTTCATCACTGTGATACTTATTATAATACAGCTTATTAAGTAT								22687
Donkey	GACAACCATAA- - GTGCTGATGAGGATGTGGAGTAACAGAAACCCTCATACGTTG- - CTGGTGGGAATACAAAATGGTAT								28354
Cat	GACAATCTTTA- - ATGCTGATGAGGATGTGAAGCAACAGGAATTTTCATATGTTG- - TTAGTGGGAATGCAAAAATGGTAT								30582
Ferret	- ACAGTCTCAT- - TAATAAATGCTGC- TGGAAACAATTGGA- - - - - CATCCACT- - - TGGAAAAGAATGAATTGAGACAC								26804
Lion	GACAGTCTTTA- - ATGCTGACGAGGATGTGAAGCAACAGGAATTTTCGATGTTG- - TTGGTGGGAATGCAAAAATGGTAT								28904
Vaquita	TTTTAAA- - - - - AAGGGGATGACGTATAAATATTTTTTTCATCACTGTGATACTTATTATAATACAGCTTATTAAGTAT								23366
Pig	TTTTAAACAATT- AGGGAGATGATGTATGGATATTT- - - - - ATCATTGTTATTTTT- - - TATAATATAGCTTGTT- - - GTAT								22408

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Majority	TCTGCTAGTXAXGAXTTAG- - XTATT- TTAAATATTAAT- - - - - XC- XTXTATGTAXGTATAAXATAAATAAAAAAT- AX								
	33450	33460	33470	33480	33490	33500	33510	33520	
Human	TCAGCCAGTATTAATTTAA- - CCTATT- TTCAATACTAAT- - - - - ATCCATGTATGTAAATATCCATAACTAA								29660
PolarBear	TCTACTGA- - AAGACTTTTGGTTGCTC- CCAAGTTTTGAC- - - - - AACTATGAATAAGGATGCTATAAAT- AT								1338
Cow	TCAGCTAGTATTGATTTAG- - TTATT- TTAAATATTGCTT- - - ACCAATGTATGTAAGTATACACATACTTCAAAT- AG								28318
Dog	TATCATAA- - ATAAAAATATA- - - - - AAAAAAAAAAAAAA- - - - - AAAAATTAATTAATAAAAAACAAAAAA- AA								27225
BelugaWhale	TCAGCTAGTGTTGATTTAG- - TTATT- TTAAATATTA- - - - - CCCATGTATGTAAGTATACACATAATTTAAAT- AT								22895
Donkey	CATAATTGCCAAAACCTTGGAAACAACCAAGAGGTCACAAGGTGAAGCTTTTTTCAGTAGGTGAATGGATGATTAACCTGTA								28588
Cat	CCTTATAGTCAAAAACCTTGGGAACATCC- AAAAGTGTGTTGTG- - GTATGTCTAGACACTGGGATAATTTTCAGAAGT- AA								30803
Ferret	TCTCCTGA- - AAGACTTGA- - - - - CCAAGTCTTGAC- - - - - AACTATTAATAAGGTTGCTATAAGT- AT								26998
Lion	CCTTATAGTCAAAAACCTTGGGAGCATCC- AAAAGTCTGTTGTG- - GTATGTCTAGACACTGGGATAATTTTCAGAAGT- AA								29125
Vaquita	TCAGCTAGTGTTGATTTAG- - TTATT- TTAAATATTAATA- - - ACCCATGTATGTAAGTATACACATAATTAAGAT- AT								23577
Pig	TCAGCTAGTGTTCGATTT- - - - - ATT- TTAAACATTAAT- - - - ACCCATGTATGTAAGTATACACATA- - - - - AT								22608

Majority	GTXAA- ACAGTTXATTTAGCTXTTTTTAAA- TATTAGT- AGCTCACACATACTTTTGT- - - - A- - - - - AGGTACAXA-								
	33530	33540	33550	33560	33570	33580	33590	33600	
Human	GGCAAAACAGTTGATTTTAGCTAGTTTAAATATT- - - - AGTCCATTCATATTTTTGT- - - - - AAGTACATAA								29723
PolarBear	CTGTGTACAGTGTTTTTGTGTATATCA- - - - - AATTTTCAACTCCTTTGGG- - - - - AGTTGAAGA-								1394
Cow	GCAAA- ACAGTTGATTTAGCTGTTTTAAA- TATTAGTGTGCTCATATGTACTTTTGTAAAGTACGCACATTACGTACGTA-								28395
Dog	AAAAA- - - AGCTTTTTTTTTTTTTTAC- - - - - AGTAATCAGATAGTGTAGGTT- - T- - - - TGGTGTGT-								27282
BelugaWhale	GCAAA- ACAGTTGATTTAGCTATTTTTAAA- TATTAGTCTGCTCACACATACTTTTGT- - - - - ATGTACACA-								22959
Donkey	GTACACCCAGACAATGGAATATTTTTTTCAG- - - - CAGTAACTCAAAATGAGCTATTGAGC- CATGAGAAAGGACCTTAAA-								28662
Cat	AAGAAAATGACCTATCAAGCCAAGAAAAGATAAAGGGT GAGCCTTAAATCCATGTTACTA- - AATGAA- - - AGAAGCCAT-								30877
Ferret	CTGTG- - CAGGGTTTTGTGTGTACATTG- - - - - AATTTTCAGTCCCTTTGGGTA- - A- - - - ATACCAAGG-								27055
Lion	AAGAAAATGACCTATCAAGCCAAGAAAAGATAAAGGGGAAACCTTAAATCCATGTTACTA- - AATGAA- - - AGAAGCCAT-								29199
Vaquita	GCAAA- ACAGTTGATTTAGCTATTTTTAAA- TATTAGTCTGCACACACATACTTTTGT- - - - - ATGTACACA-								23641
Pig	GTGAA- ACAGTTGATTTAGCTATTTTTAAA- TATTAGTTTGTCTCACACATACTTTC- - - - - A- - - - - AGGTACGTA-								22671

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Majority	TATTTAAAAATAGATAAAXTAACATTGGX- AGTTTAAACA- TXTXTGXAGTTCAAAAAT- - ATAX- XX- - XAXAACTT								
	33610	33620	33630	33640	33650	33660	33670	33680	
Human	CATTTTCAA	AATAGCTAAA	ATGTCAC	TGGCTGGT	TTGAACA-	ACTGTGC	AGTTACCG	AAGAG- ATG-	- - - - - AATGT 29792
PolarBear	TGCATAATT	GTTGGATT	GTGT- - - - -	AAG- AGT	ATATTTT	GTTTTATA	AAAAC	TTTCAA	ACT- - - - - ACTTTTCAAAGTAGCTC 1465
Cow	CACTTA-	AAAACAG	CTGAAACA	ACATTG	CTTGGT	TTGAACA	AAATTGT	GTAGTTCT	AAGAAC- - ATATGAACATACGATTC 28472
Dog	TTTTTGA	AACA	CAATAG	GGT CAG-	- - TGA-	ACGATGG	AAAGAAT	AGAGGG	CCCTCGTAAT- - AGATCCTGTGATAGCCC 27356
BelugaWhale	CATTTTTAA	AATAGTTG	AAACAAC	ATTGGT	TGGT	TTGAACA-	- - ACTGC	AGTTCTG	AAG- - - - - ATA- - - - - - CGATTT 23026
Donkey	TCCATATTA	AAGTGAA	AGAAGT	CACTCTG	GAGAAG	GCTACATA-	- - CTGT	ATGATTCCA	ACTATATAATGTTCTGGAAAAGGC 28740
Cat	TCTACGA	AGTCTAC	ATACTGT	ATGATT	CTA- ACT	TTATGAC	GTCTGG	AAAAGGC	AAGTCTAGAGACCGTAAAACTT 30956
Ferret	TGCACAATT	GTTGGATT	GTGTGG-	- - TAAG-	AGTGT	ATTTTGT	TTTATA	AAAAC	TTCCAACT- - ATTTTCTAAAGTAACTC 27129
Lion	TCTGAGA	AGTCTAC	ATACTGT	ATGATT	CTA- ACT	ATACA	ACGTCT	GGAAA	AGGCAGAACTCTAGAGACCGTAAAACTT 29278
Vaquita	CATTTTTAA	AATAGTTG	AAACAAC	ATTGGT	TGGT	TTGAACA-	- - ACTGC	AGTTCTG	AAG- - - - - ATA- - - - - - CGACTT 23708
Pig	CATTTA-	AAAATAG	CTAAA	ACAGT	GTTG-	- - - - -	GTTTTGC	AGTTC	AAAAAC- - AT- - - - - - - GATTT 22724

Majority	AT- AACCTTATCAGTAAAGGATTTA- - - - - AAGXAAXGATGAA- - - - - TATAGATGAGCAGAAAGAAAXTTTTTXAGTC								
	33690	33700	33710	33720	33730	33740	33750	33760	
Human	AT- AACCT	TTTTCTG	TAAAGA	ATTTT-	- - - - -	AAGACAT	GACCT-	- - - - -	TATTTTTTTGCAGAAAGAAATCTCTTCATT 29858
PolarBear	C- - -	CCCTCAC	CAGAGAT	GGGGTTC-	- - - - -	GGGGAAG	GATGAA-	- - - - -	TAAAGCAGAGCATAGAGAATTTTTT- AGGG 1529
Cow	ATGTGAT	TTTTTCT	TAAAGG	ATTTG-	- - - - -	AAAACAT	GATTG-	- - - - -	TCTCTTCTTATATTGGCAGAAAGAAATTTCTCATTC 28545
Dog	C- - -	CCCT- - -	GTAAAT	ATATATC-	- - - - -	AACTTAC	CTTTGA-	- - - - -	CAAAG- - GAGCAAATACAATACTGC- - GGA 27413
BelugaWhale	AT- AACCT	TTTTCT	TAAAGG	ATTTA-	- - - - -	AAGACAT	GATTCA-	- - ATCC	CTTATATTGGTAGAAGGAAATTTCTCATTC 23098
Donkey	AAAAC	TGGAGAC	AGTAAAA	AGATCAG	TGGT	TGGGAG	GAGTAG	GGTGG	AGGGATGAATAGGCAGAGCACAGAGGATG 28820
Cat	AA- GTGG	TACCAGG	GATGGG	T- - - - -	GGGGA	AGGATG	AA- - - - -	TAAAG	CAGAGCACAGAGAATTTCTT- AGGT 31021
Ferret	C- - -	TCCCTAC	CAGGGAT	AGGGTTA-	- - - - -	GGGGA	AGGATG	AA- - - - -	TAGAGCAGAGCATAGATAATTTTTTTAGGG 27194
Lion	AA- GTGAT	CACCAGG	GATGGG	T- - - - -	GGGGA	AGGATG	AA- - - - -	TAAAG	CAGAGCACAGAGAATTTCTT- AGGT 29343
Vaquita	AT- AACCT	TTTTCT	TAAAGG	ATTTA-	- - - - -	AAGACAT	GATTCA-	- - ATCC	CTTATATTGGTAGAAGGAAATTTCTCATTC 23780
Pig	AT- CATCT	TATCACT	AAAGG	ATTTA-	- - - - -	AAGATGT	GATGC	ATTCTCT	TTTTTATATTAGCAGGAGGAAATGTTCCATTC 22798

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Majority	CAXAGAATAT - G-XTXTGTTTACAATATTCTAXCGATXGAAATATAXC- TTACXTATTTGTTCAAAXXTAATGAATXTAA								
	33770	33780	33790	33800	33810	33820	33830	33840	
Human	CCAAAGATTTT	GCCTTTGCTTT	CGGTGTTCT	AGCCACTGA	AGTATA- - -	TACCTGTTTA- - -	ATTTTAATA	AATGATGA	29930
PolarBear	CAGTGAAAT- - -	ACTTTATACA	ACATA- - -	ATGATAGA	AGTATGTC	CTTACACAT	TTGTTCAA	ACCCATCG	AATGTAT 1602
Cow	CATAGATTTT- -	GCCTTTGCTT	TACAGTGTT	CTAGCCATT	GAAACATA- - -	CACCTGTTTA- - -	TTTCAAT	GATTATGA	28616
Dog	TCAGGTACAT- - -	TCTCATTA	ACAAATGCT	GCTGG- AAC	AGTTGGAC	ATCACTTACT	TG- CAAA	AGGAT- GAAT- CAA	27484
BelugaWhale	CATAGATTTT	GCCTTTGTTT	TACAGTGTT	CTAGCCATT	AGAATATA- - -	TACCTAATT	GTTAATTT	TAAATGATT	ATGA 23174
Donkey	TATAGGGTAGT	GAAAATACT	CGATATATT	TAAACGAT	GGATATGT	GTGCATCGT	ACGTTTGT	CTAAACCC	ACTGAATGTAC 28900
Cat	CAATGAAAT- - -	CCTCTATAT	GATATTATA	AATGATAGA	AAATACAT	CCTAACAC	ATTTGTTCAA	ACCTGGTGA	ATGTAC 31097
Ferret	CAGTGAAAT- - -	ACTGTATA	CAACATAG	TAAATGAT	AGAATATG	TCGTTATAT	TTTGTTC	AAACCCAT	TGAATGTAC 27270
Lion	CAGTGAAAT- - -	CCTCTATAT	GATATTATA	AATGATAGA	AAATACAT	CCTAACAC	ATTTGTTCAA	ACCTGCTGA	ATGTAC 29419
Vaquita	CATAGATTTT	GCCTTTGTTT	TACAGTGTT	CTAGCCATT	AGAATATA- - -	TACCTAATT	GTTAATTT	TAAATGATT	ATGA 23856
Pig	CAAGATTTT- -	GTCTTTGTTT	TACAGTGTT	CTAGCCATT	TAAATACA- - -	TACCTAATTG- - - - -	TTTAA	TGATTATGA	22867

Majority	AAX- ATCAATAGTCCACCTCAT- GGTAAACTG- - GATTTTCAGTGATTATGAXXGTXCTTATXTGCTGA- - - - XGACAA									
	33850	33860	33870	33880	33890	33900	33910	33920		
Human	AGATATTGATA- T	CTAACTCA- - - - -	- - - - -	- - - - -	- - - - -	C- - CAGA	ATGAAGTT	CTAATTTT	CTAA- - - -	AGACCT 29981
PolarBear	AAC- ATCAAGAGT	GAACCCTCG- GGT	AAACTG- -	GATTTTCAGT	GATTATGAT	GTGTGTCATT	GCAGGTTGAT	CCTTGG- AA	1677	
Cow	AG- - ATGAGTTGT	CCAGATCA- - -	T- - - - -	- - - - -	T- - - - -	AGTGTGAAGT	TCTCATTTT	CTGA- - - -	AGACCT 28666	
Dog	GAC- ACTGCTAAC- -	ATCTTAC- AAAAAA	AATT- -	AACTCAAGAT	GTATTAGAA	ACCTAAATATA	AAGCTG- - - -	CGA- AA	27552	
BelugaWhale	AA- - ATGAATTGT	CCAGCTCAT- G	TAAATGAGT- TGT	CCAACTCACC	ATTGTGAAGT	TCTCATTTT	CTAA- - - -	AGACCT 23246		
Donkey	AAC- ATCAAGAGT	GAACCTCTTAG	GTAAACTGT	GGATTTTGGG	TATGATGT	GTGTCAGT	ATAGGTT	CATCCTTT	GTAA 28979	
Cat	AAC- ATCAATA- - - -	CCCTCC- GGT	AAACTGCAG	ACTTTT	CAGTGATT	ATGATGTGT	CCATGCGGG	TGATCCTT	GGTAA 31170	
Ferret	AG- - ATCAAGAGT	GAACCCTCA- GGT	AAACTG- -	GATTTTCAGT	GATTATGAT	GTGTCACT	GCAAGTTGAT	CCTTGGTAA 27345		
Lion	AAC- ATCAATA- - - -	CCCTCT- GGT	AAACTGCAG	ACTTTT	CAGTGATT	ATGATGTGT	CCATGCAGG	TGATCCTT	GGTAA 29492	
Vaquita	AA- - ATGAATTGT	CCAGCTCAT- G	TAAATGAGT- TGT	CCAACTCACC	ATTGTGAAGT	TCTCATTTT	CTAA- - - -	AGACCT 23928		
Pig	AA- - ATGAGTTATT	CAGCTCA- - -	G- - - - -	- - - - -	C- - - - -	AGAGTGAAGT	TCTCATTTT	CTAA- - - -	AGACCT 22917	

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Majority	GAATTX- ACCTCTATGATGAGAGGT- TTTGAGGATGAXGGATTCAATGAATGTXGTGGG- - - XAGXGTATAGATGTTT
	----- ----- ----- ----- ----- ----- ----- ----- 33930 33940 33950 33960 33970 33980 33990 34000
Human	GAATT- - ATCTGGATGAATAAAGGACCATTGGGATGGAGGATTTATAGAACGTTTTCTGAG- - - - AAAGTCTAGCTGTTG 30054
PolarBear	TAGCT- - ACCACTTTGTTGGGAGGT- TTTGGTAATGAGGGATGCGATGTATGTATGGGGGCAGGGAGTGTATAGAAATCT 1754
Cow	GAGTT- - ATCTGGATGAGTAAAGGA- TATGAGGTTGAAGGATTCG- - GAGTGTCTGTGAG- - - - AAAGTTCAACTGCTT 28736
Dog	CTGTAG- ACCTCTTAGAAGATAAGA- GGAGGGGAGAACAACCTAGATG- ACCTTTTTCGGTTATTAGCGTATATTTTATAC 27629
BelugaWhale	GAATT- - ATCTGGATGAGTAAAGGGCTATGAGGCTGAAGGATTCAC- - AGTGTCTGTGAG- - - - AAAGTCCAGGTGCTG 23317
Donkey	TAAATGTACCACTCTTTGGGCACT- - GTGGTAATGAGGAAGGCTAT- - GCGTTTGTGGGGGTAGAGTGTATGAGAAATT 29055
Cat	AAACTGTACCACTGTGGTGGGAGTT- GTTGGTCATGAGGGAGGCTATGTATGTATGGGGGAAGGGAGTAAATAGAAGTCT 31249
Ferret	TAACTGTACCACTGTGCTGGGAGGT- TTTGATAATGAGGGATACAATGTATGTTTGGGGACAGGGAGTATATAGAAATCT 27424
Lion	AAACTGTACCACTGTGGTGGGAGTT- GTTGTATCATGAGGGAGGCTATGTATGTATGGGGGAAGGGAGTAAATAGAAGTCT 29571
Vaquita	GAGTT- - ATCTGGATGAGTAAAGGGCTATGAGGCTGAAGGATTCAC- - AGTGTCTGTGAG- - - - AAAGTCCAGGTGCTG 23999
Pig	GAGTTT- ATCTGGATGAATAGAGGGCTTTGAGGTTGGAGGATTCACAGAATGTCTCT- - - - - AAGTCCAGCTTCTT 22987

Majority	CXG- - - - XXXTTXCTTATTTTTTATTAAAAXCTAAAGCAGCTCTXXAAAACCTTATA- - - - ATTAXGAAAXCT- X- - - TC
	----- ----- ----- ----- ----- ----- ----- ----- 34010 34020 34030 34040 34050 34060 34070 34080
Human	TGG- - - - CTTTGGTTTGTGTTGT- - - AAACAATTGAGATAGCTTTCCAAAGCTTTTGC- - - - TTATAGAATCTAA- - - TC 30119
PolarBear	CTGTTG- TCGCCTTCTCATTTTTATTGTAAACCTAAAACCTGCTCTTAAAAA- - - - - AGAGA- - - - - AC 1812
Cow	TGG- - - - TATTTGCTTATT- - - - - AAAAAATTGATGTAGTTTTCCTTTCCTTAA- - - - - ATTATGAAACCTGG- - - TC 28798
Dog	CT- - - - - TTTTTAGTTTTATAACCAAAAGACCTCAATCCATGAAAA- - - - - AAACAA- - - - - TT 27680
BelugaWhale	TGG- - - - CATTAGTTTGTGTTATTT- AAAAAATGATGTAGTTCTCCAAGGCTTCTG- - - - ACTATGAAACCTAA- - - TC 23384
Donkey	CCTT- - - - TTCCTCCTCAATTTTTATTGTAAACCTATAACTGCTCTAAAAAAATAA- A- - - - ACTAGGAAA- - - - - C 29117
Cat	CTGTTGGCTGCCTTCTCAATTTTTCTTGCAAACCTAAATCTGCTCTTAAAAATAAAAGAAAAAAAGAAAAGCTTGGAAAC 31329
Ferret	CTGTTG- CTGCCTTCTCATTTTTATTGTAAACCTAAAACCTGCTCTTAAAAATAAAAGCACAAGAAAAGAAA- - - - - AC 27495
Lion	CTGTTGGCTGCCTTCTCAATTTTTCTTGCAAACCTAAAGCTGCTCTTAAAAATAAAAGAAAAAAAGAAAAGCTTGGAAAC 29651
Vaquita	TGG- - - - CATTAGTTTGTGTTTATTT- AAAAAATGATGTAGTTCTCCAAGGCTTCTG- - - - ATTATGAAACCTAA- - - TC 24066
Pig	TGG- - - - CATTAGTTTGTGTTTATTT- AAAAAATGATGTAGTTCTCCAAGGCTTCTG- - - - ATTATGAAACCTG- - - TC 23055

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Majority	ATTTTACTATTGATTGTCAATXAGX- - - - AT- - - - - TTAGGTGAAAGGAAGGA- - AGGAAACACTGTTGGCT								
	34090	34100	34110	34120	34130	34140	34150	34160	
Human	ACTTTTTCTATTTATTGTCTTTTGGG-					CTTAGAGTAAAGAAGGGA-		AGGGAACACTGTTGCCT	30180
PolarBear	ATTTTATTGTTGATAGTGAACCAAC-					TTAGGTGAAAGGAAAGA-		AGGAAAACTGTTGGCT	1874
Cow	ATTTTTCCTATTTATTGCCTTTTGG-					TGGGTTAATGGAAGGA-		AGGACCTACTGTTGGCT	28859
Dog	GATTGTGCTCTGGATTACAAATTAA-					AAGTAAAAAGACTCT-		TGCTCTTATA- AAGACA	27736
BelugaWhale	AGTTTTCCTATTTATTGTCTATTGGA-					GGGTGAATGGAAGGA-		AGGAAACACTGTTGGCT	23445
Donkey	ATTTTATTGTTGATAGTAAACCAATGATGCATATCAGTGGTACTTAACTTTAGCATGCATCAGAAGCACCTGGAGGGG								29197
Cat	ATTTTATTATTGGTAGTGAGCCAGT-					TTAGGTGAAAGGAAGAA-		AGGAAGCCCTGTTGGCT	31391
Ferret	ATTTTATTGTTGATAGTGAACCAAT-					TTAGGTGAAAGGAAAGA-		AGGAAAACT- TAGGCT	27556
Lion	ATTTTATTATTGGTAGTGAGCCAAAT-					TTAGGTGAAAGGAAGAA-		AGGAAGCCCTGTTGGCT	29713
Vaquita	AGTTTTCCTATTTATTGTCTGTTGGA-					GGGTGAATGGAAGGA-		AGGAAACACTGTTGGCT	24127
Pig	ATTTTTCCTGTTTCTTGTCCCTAAGA-					TTATAAATTGTCTTTGGGTGAAAGGAAGGA-		AGGAAACACTGTTGGTT	23128

Majority	TTGTGAAAAGGAAGAGAG- TGGACAXGAGAGT- - - - - GGAGTTAATTTTTT- - ATTT- TAGGGATTAAX- - - - TT													
	34170	34180	34190	34200	34210	34220	34230	34240						
Human	TTGTGAGAATGGGAGAGGGATAGATGGGAGAGTAGAGGGATGAAGTTAATTTTTT-						ATTA-	TAGGGATTAACA-	- - - - TT	30253				
PolarBear	TTGTGAAAAGGGAGACAGATTGACAAGAAAGT-						GCAGTTAATTTTCT-	ATTT-	TAGGGTTAAAA-	- - - - TT	1939			
Cow	TTGTGAGAAAGGAAGTTAC-						GGATAGGAGAGT-		GGAGTTAACTTATT-	GTTT- CAGGAATTA-	- - - - TT	28921		
Dog	TTATCAAGAGAAATAGAAGATGAGCCACAGACT-						GGAGAAAAT-		ATTTGCAGAAGATGTG-	- - - - TC	27796			
BelugaWhale	TTGTGAAAAGGAAGAGAT-						GGATAGGAGAGT-		GGAGTTAACTTT-	- - - - ATTT-	TAGGGATTA-	- - - - TT	23505	
Donkey	TTGTTAAACTCAGGTTGC-						TGGACTCTACCCTCA-		GGGTTTTATTTCAGTAGATCTGAGTGGGTCTGAGAATC			29270		
Cat	TTGTGAAAAGAGAGAGA-						TTGACAAGAAAGT-		TAATTTTCTATTTT-		AGTGGTTAACTTTTAAATATT		31459	
Ferret	TTGTGAAAAGGAGAAAGATTGACAAGAAAGT-						AGAGTTAATTTTTT-		TTTTGTAGGGTTGAAA-		- - - - TT	27622		
Lion	TTGTGAAAAGAGAGAGA-						TTGACAAGAAAGT-		TAATTTTCTATTTT-		AGTGGTTACAATTTTAAATATT		29779	
Vaquita	TTGTGAAAAGGAAGAGAT-						GGATAGGAGAGT-		GGAGTTAACTTTTT-		ATTT-	TAGGGATTA-	- - - - TT	24189
Pig	TTGTGAAAAGGAAGAGATCTGGATGGGAGAGT-						GGAGTTAACTTTTT-		ATTT-		TAGGGATTGAA-	- - - - AT	23192	

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Majority	----- GTTTTTATAGAGAGGATCTGACGAACTACTCTCAGGCAGT- GTTCTCAGT- - AGTCCAAA- - CT								
	34410	34420	34430	34440	34450	34460	34470	34480	
Human	----- GTTTTTCATAGAGAGGATCTGACGAACTACTCTCAGGCAGT- GTTCTCAGT- - AGTCCGAA- - CT								30409
PolarBear	----- GTTTTTATAGAGAGGATCTGACGAACTACTCTCAGGCAGT- GTTCTCAGT- - AGTCCAAA- - CT								2118
Cow	----- GTTTTTATAGAGAGGATCTGACGAACTACTCTCAGGCAGT- GTTCTCAGT- - AGTCCAAA- - CT								29103
Dog	----- ACATGGAAAGATGGCACCACAAATCATCAAGCATAGGGCATTCAAGGAAA- AACGCAAATTAACAAGA- - TA								27986
BelugaWhale	----- GTTTTAACAGAGAGGATCTGACGAACTACTCTCAGGCAGT- GTTCTCAGT- - AGTCCAAA- - CT								23705
Donkey	TGTGGCTCAATGCTATGTTTTATTTTTCTCATGCT- TGTATTTCTCTTGAGCATTGATGCTAGT- GAGTAGAAAGCTT								29505
Cat	----- GTTTTTCTAGAGAGGATCTGACGAACTACTCTCAGGCAGT- GTTCTCAGT- - AGTCCAAA- - CT								31641
Ferret	TGTTTTGTGTTTTGTTTTGTTTTATAGAGAGGATCTGACGAACTACTCTCAGGCAGT- GTTCTCAGT- - AGTCCAAA- - CT								27818
Lion	----- GTTTTTCTAGAGAGGATCTGACGAACTACTCTCAGGCAGT- GTTCTCAGT- - AGTCCAAA- - CT								29962
Vaquita	----- GTTTTAACAGAGAGGATCTGACGAACTACTCTCAGGCAGT- GTTCTCAGT- - AGTCCAAA- - CT								24389
Pig	----- GTTTTTCTAGAGAGGATCTGACGAACTACTCTCAGGCAGT- GTTCTCAGT- - AGTCCAAA- - CT								23371

Majority	CTAATATGAGCAGCATGGTG- GTTACAGGTAAGTGTTA- CTCTCTT- - - - - AACAXTX- T- - - TCTCATTA- TTTG								
	34490	34500	34510	34520	34530	34540	34550	34560	
Human	CTAATATGAGCAGCATGGTA- GTTACAGGTAAGTGTTA- CTCTCTT- - - - - AGCAG- - - T- - CTGTCAT- - - - TTG								30469
PolarBear	CTAATATGAGCAGCATGGTG- GTTACAGGTAAGTGTTT- CTTTCTT- - - - - AACAGTGTT- - GCTTAATTA- TTTG								2184
Cow	CTAACATGACCAGCATGGTG- GTTACAGGTAAGTGTTA- CTCTCTT- - - - - AACAA- - - - G- - - TCTCATTA- TTTG								29164
Dog	CTACCACACAT- GTATCAGA- ATAGCCAAAATGTATTT- AGAACTG- - - - - AATC- TGAA- - ACCCCATAA- ATGC								28050
BelugaWhale	CTAACATGAGCAGCATGGTG- GTTACAGGTAAGTGTTAACTCTCTT- - - - - AACAA- - - - G- - - TCTCATTA- TTTG								23767
Donkey	TTAAAACAATTTGGGAGATGAGCTACAAATATTTGTTTACCTTTTTGATCTTTGTTATAATACAGCTTATTATAAATTTA								29585
Cat	CTAATATGAGCAGCATGGTG- GTTACAGGTAAGTGTTA- CTCTCTT- - - - - AACAGTGTTAATTTAATTA- TTTG								31709
Ferret	CTAATATGAGCAGCATGGTG- GTTACAGGTAAGTGTTT- CTTTCTT- - - - - AACAGTGTT- - GCTTAATTA- TTTG								27884
Lion	CTAATATGAGCAGCATGGTG- GTTACAGGTAAGTGTTA- CTCTCTT- - - - - AACAGTGTTAATTTAATTA- TTTG								30030
Vaquita	CTAACATGAGCAGCATGGTG- GTTACAGGTAAGTGTTAACTCTCTT- - - - - AACAA- - - - G- - - TCTCATTA- TTTG								24451
Pig	CTAATATGAGCAGCATGGTG- GTTACAGGTGAGTGTTG- CTCTCTT- - - - - TAACA- - - - G- - - TCTCAT- - - - TTG								23431

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Majority	CCA- - - - - TTTTATGGGGCAGAATGTTAAAA- - - - - CTAAAATTTAGT- - - GTGTTTTACCAG- - AATAGCCTTTX	
	34570 34580 34590 34600 34610 34620 34630 34640	
Human	CCA- - - - - TTTTAGGGGGCAGAATGTTAAAA- - - - - CTCAAATTTAAC- - CCTGTTATACCAG- - GAAAGCCTTTC	30531
PolarBear	CCA- - - - - TTTTATGGGGCATAATGTTAAAA- - - - - CTAAAATTTA- - - - - GTCTTTTATCAG- - AATAGCCTTTT	2243
Cow	CCA- - - - - TTTTGCAGGGCAGAATGTTACA- - - - - AGTTTGGT- - - GTGCTTTACCAG- - AGTAGCCTTTG	29220
Dog	TGA- - - - - CAAGGAGGAGTGTGAAGCAAGCA- - - - - CAGGAATTAGTC- - - ATATGTGTTGAGTTGATGTGAAATG	28113
BelugaWhale	CCA- - - - - TTTTGCAGAGCAGAATGTTAAA- - - - - AGTTTAGT- - - GTGTTTTACCAG- - AATAGCCATTA	23823
Donkey	ACAACAAATTAGCATAAGGTTTATGGTTAATTTGGATTGTCTTGAACCTTCTGAGATGCTTTGATAAATTGTCTCCTTTA	29665
Cat	CCA- - - - - TTTTATGGGTGAGAATATTTAAAA- - - - - CTAATATTTAGT- - - CTGCTTTACCAG- - AATAGCCTTTT	31770
Ferret	CCA- - - - - TTTTATGGGGCAGAATATTTAAAA- - - - - CTAAAATTTATA- - - GTCTTTTGTGAG- - AATAGCCTTTT	27945
Lion	CCA- - - - - TTTTATGGGTGAGAATATTTAAAA- - - - - CTAATATTTAGT- - - CTGCTTTACCAG- - AATAGCCTTTT	30091
Vaquita	CCA- - - - - TTTTGCAGAGCAGAATGTTAAA- - - - - AGTTTAGT- - - GTGTTTTACCAG- - AATAGCCTTTA	24507
Pig	CCA- - - - - TTTTACAGGGCAGAATGTTAAAC- - - - - CTGAAGTTTAGT- - - GTGTTTTA- - AT- - AGCCCTTGTTA	23490

Majority	TTATTAXATGCT- - - - - ATX- TTXTGTTGAAACATTTTA- - - GA- - GAAATTTTACTAAAGTAT- - - T- ATAT	
	34650 34660 34670 34680 34690 34700 34710 34720	
Human	TTTTTAAATGCG- - - - - TGTGAAACATTTTA- - - GAG- TAAATTTTACTAAAGTAT- - - - ATAT	30583
PolarBear	ATAATTTATATTAA- - - - - ATGTTTCTGTTGAAATGCGACA- - - GG- - - AAATTTTACTAGAGTATATAT- ATGT	2306
Cow	TTTTTAAATGCT- - - - - TTGTGTTGAAACATTTTA- - - GAG- GAAATTTTGTGCTGTAGTAG- - - - ATAT	29275
Dog	CGAATGCAGACTGGTT- T- - - - ATAGTCCCTTTGAAAAATAGTT- - - TGG- - CAGTTTTATAGAAGTACTAGCTAT- ACTT	28180
BelugaWhale	TTTTTAAATACT- - - - - CTGTGTTGAAACAGTTTA- - - GA- - GAAATTTTACTATAGTAT- - - - GTAT	23877
Donkey	- TATTATACATTTTTTTCATTTTGGATTGTTGCACTTCTTTATTCTGACTGGTTTTTAAATCAACTACTGTTAATTT	29744
Cat	ATAATTTATGTTAAATGTTTTAAATGTTTCTGTTGGAGAAAAAAA- - - AA- - - TGTTTTTGTGAAACAC- - - T- ACAG	31839
Ferret	CTAATTTATGTTAAGTGTTTTTAAATGTTTCTGTTGAAATGCTGCA- - - GAGTAAAATTTTAAATAGAGTATATAT- GTGT	28020
Lion	ATAATTTATGGTAAATGTTTTAAATGTTTCTGTTGGA- AAAAGA- - - AA- - - TGTTTCTGTTGAAACAC- - - T- ACAG	30159
Vaquita	TTTTTAAATACT- - - - - CTGTGTTGAAACAGTTTA- - - GA- - GAAATTTTACTATAGTAT- - - - GTAT	24561
Pig	TTTTTAAATGCT- - - - - CTGTATTGAAACATTTTA- - - GAA- GAAATTTTACTATAGTAT- - - - ATAT	23545

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Majority	TTTXATXTAAGTATTTCTT- - - - - CTCXATCCCGXAA- - - - - ATCCTAAGXCXCAXAGTGTATGX- TGA								
	35370	35380	35390	35400	35410	35420	35430	35440	
Human	TTTACTTTAAGTATTTAT-	- - - - -	- - - - -	- - - - -	GCCACAA-	- - - - -	ACCCTAAAACCCAAATTTTAAGT-	- - -	A 30818
PolarBear	TTTTACATA- GTCCCGT-	- - - - -	- - - - -	- - - - -	GCCTCCCTGAGAGATAAGTTCCAAGACTTGCAGGGAATGCCTGA	- - - - -	- - - - -	- - -	2578
Cow	TTTACTGTAAGTGTTCCTT-	- - - - -	- - - - -	- - - - -	CTCAGTCCCACAA-	- - - - -	ATCCTACAGCCCCAAGTACAA-	- - - - -	29503
Dog	TTAAGTCTATGTTATTA-	- - - - -	GGA-	AAGGAGCCATTCTGAGA-	- - - - -	- - - - -	AGGCTACATACTGTATGTATGG	- - - - -	28475
BelugaWhale	TTCATTTTAAGTATTTCTT-	- - - - -	- - - - -	- - - - -	CTCTATCCCATAA-	- - - - -	ATCCTAAAGCCCAAACCTGTAAAA-	- - -	24100
Donkey	TTTTATTTTAGGGATTAAT-	- - -	TTTTTAACTATTTCCAGTAGTGTAATACCTGACGTTTGTTCGTTTTCGGTGAATATTTGA	- - - - -	- - - - -	- - - - -	- - - - -	- - -	30458
Cat	TTTTATAATAGTTCACCC-	- - - - -	- - - - -	- - - - -	ACCTCCCTGGGC-	ATGTGTTCCAAGATTTGCAGTGGATGCCTGA	- - - - -	- - -	32100
Ferret	TTTTACATA- GTCCCTCATCAACCCCGGCCACCCCACTCTTCTGAGACATATGTTCCAAGACTCACAGTGGATGCCTGA	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - -	28713
Lion	TTTTATAATAGTTCACCC-	- - - - -	- - - - -	- - - - -	ACCTCCCCGGGC-	TTGTTTTCCAAGTTTTGCAGTGGATGCCTGA	- - - - -	- - -	30417
Vaquita	TTTTATTTAAGTATTTCTT-	- - - - -	- - - - -	- - - - -	CTCTATCCCATAA-	- - - - -	ATCCTAAAGCCCAAACCTCTAAAA-	- - -	24773
Pig	TTT- - - - TAAGTATTTCTT-	- - - - -	- - - - -	- - - - -	CTCTATCCCACAA-	- - - - -	ATCCTAAAGCCCAAACCTATAAAT-	- - -	23764

Majority	AA- - CTXXAGXTAGT- - ACAAGACTC- AGATXCATAGTTGT- - - - - TTTTCXTATAAXTXXXXGC- - - - - T- X								
	35450	35460	35470	35480	35490	35500	35510	35520	
Human	AAAACCG- - - - -	- - - - -	AAGAATTCAGCTACATAGTTGTTTAAAACCATGCAACCATAGTT-	- - - - -	- - - - -	- - - - -	GC- - - - -	TATGG	30877
PolarBear	AA- - CTGCAGGTAGT- -	ACAAAACCCCTAAATATACTATGCT-	- - - - -	- - - - -	- - - - -	TTTTCTATACATACATAC-	- - -	CTATGA	2640
Cow	- - - - -	- - - - -	GATTC- AGTTGCATAGTTGT-	- - - - -	- - - - -	CTTTTTTATG- - T-	- - -	GG- - - - - T-	29536
Dog	AA- - CTATATGCCAT- -	CCTGGA- - - -	AAAGGCACCAAACC-	- - - - -	- - - - -	TAGAGAGACA- GTCCAAAGTTACAAAGAT	- - - - -	- - -	28536
BelugaWhale	AA- - - AAA- - - TACC- -	ATAAGATTC- AGTTGCATAGCTGT-	- - - - -	- - - - -	- - - - -	TTTTTT- ATG- - T-	- - -	GC- - - - - T-	24145
Donkey	AAAGTTACAGATAAGTGACAGGCCTTCAGATTAATGTTTTAAATTTAAAGTTGTCTTATGCTAATGTGTTTGTTCCTT	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - -	30537
Cat	AA- - CTGTAGATGGT- -	ACAAAACCCCTATATATACAGTGTT-	- - - - -	- - - - -	- - - - -	TTTTCTGTACATACATAT-	- - - - -	CTG	32159
Ferret	AA- - CTGCAGGTGGT- -	ATAAAAACCCCTAAATATACTATGCT-	- - - - -	- - - - -	- - - - -	TTTTCTATACATACATACATACCTATGA	- - - - -	- - -	28779
Lion	AA- - CTGTAGATGGT- -	ACAAAACCCCTGTATATACAGTGTT-	- - - - -	- - - - -	- - - - -	TTTTCTGTACATACATAT-	- - - - -	CTA	30476
Vaquita	AA- - AAAAAATACC- -	ATAAGATTC- AGTTGCATAGCTGT-	- - - - -	- - - - -	- - - - -	TTTTTTTTATG- - T-	- - -	GC- - - - - T-	24822
Pig	AA- - - TAG- - - - C- - -	AAAAGATTC- AGTTGCATAGTTGT-	- - - - -	- - - - -	- - - - -	TTTTTTAATG- - T-	- - -	GC- - - - - T-	23807

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Majority	TXAAGCTTATTTTA-XXXCTGTGCA-XTXACAGTATTXTCAACXCTTXAAAXTGGXATACTT--A--AXXATATXX--XA								
	35530	35540	35550	35560	35570	35580	35590	35600	
Human	TTTTAACTAATT-----TTTTGCT-GAAACAGTATTTT-AAT--TCTGAGTTGATCCTTTT-----ATGT-----								30933
PolarBear	TAAAGCTTAGTTTATAAACTGGGCATATTAAGAAATTAACAAC--TAAAAATGGAACAATG-ATAACAATATAGTATA								2715
Cow	TTCAATATGTTT-----CTTTGCT-GTAACAGTATTTT-AATTCTTTGAATTGACTTCCTT-----TAT-----								29593
Dog	TTAAGGTTGGGGAGAAGGATATGAA-ATTATAATAATAAAAAGC--CTGAGAATAGAGTTTTTC-AGGACAACATGG-AAA								28611
BelugaWhale	TGAAACCTTTTTTTT---CTGTGTG-GTAACAGTATTTTAACTCTTTGGATTGGTTTCCTT-----TAT-----								24205
Donkey	TAGAGAGGATCTGACGAACTGCTCT-CTGGCAGTGTTCTCAGTAGTCCAAACTCGAATATGAGCAGCATGGTGGTTACAG								30616
Cat	TAAAGCTTAATTTATAAATTAGGCACATTAAGAGATTAACGAAAACATAAAATAGGACAGTG-ATAACAATAAACTGTA								32237
Ferret	TAAAGCTTAGTTTATAAATTGGGCATATTAAGAGATTAACAACAACATAAAATGGAAGAATG-ATAACAGTATAGTATT								28857
Lion	TAAAGCTTAATTTATAAATTAGGCACATTAAGAGATTAACGAAAACATAAAATAGGACAGTG-ATAACAATAAACTGTA								30554
Vaquita	TTAAATCTTTTTTTT---CTGTGTG-GTAACAGTATTTTAACTCTTTGGATTGGTTTCCTT-----TAT-----								24882
Pig	TTCAGTCTTTTTT-----CTTTGCT-GTAACAGTATTTT-AATTCTTGAATTGATTTTCCTT-----TATGG-GAA								23870

Majority	ATAAAAG-----T-XA---XXX-TTTGTXTTXX--XG								
	35610	35620	35630	35640	35650	35660	35670	35680	
Human	---TGT-----								30936
PolarBear	ATAAAAGGA-----TGTACTCACCTTTGTCTACTGATG								2749
Cow	-----								29593
Dog	ATATTTG-----TATAACAACCATTCTTCTGATATAG								28643
BelugaWhale	-----								24205
Donkey	GTAAGTGTTACTCTTATCAGGCTGTCACCTTTGCCATTTTTTTGGGGCAGAGATTAAACTGTAGTCTGTTTTACCAGA								30696
Cat	ATAAAAGCTATGTGAATGTGCATACTCTCTCCCTCTGTCTCTCAAATATTGTATTGTACTCACCTTTGTCTTCCTGTG								32317
Ferret	ATGAAGGG-----TGTACTCACCTTTGTCTTCCTAAG								28890
Lion	ATAAAAGCTATGTGAATGTGCATACTCTCTCCCTCTGTCTCTCAAATATTGTATTATACTCACCTTTGTTTTCTGTG								30634
Vaquita	-----								24882
Pig	ATGTAAG-----ATGATTTTGCTTC								23890

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Majority	ATX- - - TXAXXT- TTAAAXTGGXT- - XX- - - X- - - - - TTAXXTGAAXXTA- ATTXAATGATGT- - - - - A- - - - X- XX-								
	35690	35700	35710	35720	35730	35740	35750	35760	
Human	----- CTACCTGCATATT- - TAAGATGATTT- - - - - GT- - - - -								30962
PolarBear	ATGATGTGAGATGATAAAATGGCT- - GTGTGA- - - - TAAGATGAAGCTA- GGTGAATAATGT- - - - - A- - GGCATTG								2812
Cow	----- TTA- - - - - T- - - - - TTACTTGAAA- - - ATGTAAG- ATTT- - - - - G- - - - -								29615
Dog	ATAATGTCATTTATTTAAATTTGTTCAACCCAG- - - - TGAATTGTACAAA- ACATCAAGATGT- - - - - G- - AAACCTA								28708
BelugaWhale	----- TTA- - - - - T- - - - - TTACTTGAAA- - ATAAAATGATTT- - - - - A- - - - -								24234
Donkey	ATAACTTTTATTTTTAAATGCTTTCTGTTGAAAAATTTTAGAGGAAAATTTTACTAGAGTATGTCAAATGAAAAACCTGA								30776
Cat	ATGGTGTGAGATTATAAAATGGCT- - GTGTGA- - - - TGAGATGAAGCAA- GGTGAATGATGT- - - - - ATAGGCATTG								32382
Ferret	ATG- - - TGAGATGAAGAGATGGTT- - GTGTGA- - - - TAAGATGAAGCTA- GGTGAGTATGT- - - - - A- - GGCATTG								28950
Lion	ATGGTGTGAGATTATAAAATGGCT- - GTGTGA- - - - TGAGATGAAGCAA- GGTGAATGATGT- - - - - ATAGGCATTG								30699
Vaquita	----- TTA- - - - - T- - - - - TTACTTGAAA- - ATAAAATGATTT- - - - - A- - - - -								24911
Pig	ATC- - - TTCATAATTAGGGTGGTT- - - - - TTTCTTGAACCTT- ATTTATGATTT- - - - - A- - - - -								23937

Majority	- XXTTTAATCTTXAG- TXC- - - - - X- TXT- XX- - XX- - - - - TX- TGXXXCXGGAXXTGTTGACT								
	35770	35780	35790	35800	35810	35820	35830	35840	
Human	--- TTTAATCTTCA- - - - - AAGTTAGAGTTAAAA								30988
PolarBear	TGATACAGTGTTAAGCTAC- - - - - AGTATTTTAGAAGGATGATCATC- TGCTTCTGGTCTGTGGTTGACA								2876
Cow	--- TTTAATCTT- - - - -								29624
Dog	CAGTTTAACTTGTGATTTT- - - - - CCAGTTTCAGTGAAGTATGATTGATGTGTCCAGACGCAAGTTGATC								28773
BelugaWhale	--- TTTAACCTTCAT- - - - -								24246
Donkey	AGATGGT GACTTCTGTGGGCAAGTAACTAAGTCTGATTTTTTTGTATCACTTAGTAGTATAACCCTTTTCTTTTCATGTT								30856
Cat	TGATACAGTGTTAGGGTACTGTTGGCCTTTT GACAGTATTTTAGAAGGAGGATCATC- TGCTTCTGGATCATGGTTGACT								32461
Ferret	TGATACAATGTTAAGGTAC- - - - - AGTATCTCAGAAGG- - - - - TC- TGCTCCTGGGCTGTGATTGACA								29007
Lion	TGATACAGTGTTAGGGTACTGTTGGCCTTTT GACAGTATTTTAGAAGGAGGATCATC- TGCTTCTGGATCATGGTTGACT								30778
Vaquita	--- TTTAATCTTCA- - - - -								24922
Pig	--- TTTTGTCTTTTTTGGT- - - - - CT- - - - - TT- TAGGGCCACACCCGTGTCATAT								23979

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Majority	AXTGGT- - - - - AXC- - - - XXX- XXX- G- AX- - - AAAGTGC- - GATXAXGXGXATTACXATGTTTTAAGTATTCTCTAT								
	35850	35860	35870	35880	35890	35900	35910	35920	
Human	A- - - - - AAATTGTA- - - T- - ATGTCTGAAATAATGTTGTTTGTAGCATCTGT								31030
PolarBear	ACTGGT- - - - - AACTG- - AAACCATGGAAAACAAAGCTGCA- - GATAAAGGGAATTACTGTGTTTTAAGTATTTGATAT								2946
Cow	- - - - -								29624
Dog	ATTGGTCAAG- - AACTTGTAAGACAGGGCAAGGAAGTTTT- - - GATAATGAGGGATACAATGTATGATGTGATGCGTGG								28848
BelugaWhale	- - - - -								24246
Donkey	GTAAGTCCCCTCATTCTTGCCACTTTTGTACTTTTGTGTTTGTGTTTGTGTGCTTAGAATAATTTTAGTATTCTCTAT								30936
Cat	ACTGGT- - - - - ACCTG- - AAACCATAGAAAGTGAAACAGCA- - GATAAAGGGAATTACTATATTTGAAGTATTCTCTAT								32531
Ferret	ACTGGT- - - - - AACTG- - AAACCATGGAAAGCAAAGCTGCA- - GATAAAGGGAATTACTGTGTTTTAAGTATTTTGCAT								29077
Lion	ACTGGT- - - - - AAC- - - AAATCATGGAAAGTGAAACAGCA- - GATAAAGGGAATTACTATATTTGAAGTATTCTCTAT								30846
Vaquita	- - - - -								24922
Pig	GGAGGT- - - - - TC- - - - - CCAGGCTAC- - - - - G- GATCCAGTCGGAAGTGTAGTCACCAG								24023

Majority	CCCAXA- - AGCXCAAAGCCAAACTAAATAXAAXXAXXAA- - GATTXAXCTA- ATAGTTXTCXTTT- T- TGTGXTTTC-								
	35930	35940	35950	35960	35970	35980	35990	36000	
Human	C- - - - - A- - GTAAAACAATATA- GA- - - - -								31047
PolarBear	CCCATA- - AGCCCTAAAGCCGAACTAAATAAAAATAAAAA- - GATTCAGCTGTATAGTTGTCTTTTTTGTGTGCTTTCA-								3021
Cow	- - - - - CACGGGGTA- - - - -								29633
Dog	GGCGTAGTAGAGTAAGAATAGAGTCAAGAGTAGAGAGTAAG- AGTACATTTTTCTAAGAACAAGTCTCTGTG- TGCCA-								28925
BelugaWhale	- - - - - AGTTAGGGTG- - - - -								24256
Donkey	CCCACAA- GTCTTAAAGCCCAAAGTAAATAAAAACCAAAGATTCAACTACATAGTTGTCTTTTTTGTGTAAGTTTCAA								31015
Cat	CCCACA- - AGCTCTAAAGCCCAAAGTAAATAAAAAGTCAAAA- - GATTGAGCTAGATAGTTTTCTTTTCTGTGTGCTTTCAA								32607
Ferret	CCCACA- - AGCTCTAAAGCCCAAAGTAAATAAAAATAAAAAAGATTGAGCTACATAGTTGTCTTTTTT- TGTGTTTTCA-								29153
Lion	CCCACA- - AGCTCTAAAGCCCAAAGTAAATAAAAAGTCAAAA- - GATTGAGCTAGATAGTTTTCATTTCTGTGTGCTTTCAA								30922
Vaquita	- - - - - TAGGGTG- - - - -								24929
Pig	CCTATGCCAGAGCCACAGCAACACGGGATCCAAGCAGCAT- - CTGCAACCTACACCACGGGCTCATGGC- AACGCCGGATC								24100

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Majority	CCT- TTTTCTTTGCTXTAACAXTATTTTAATTCTTTXAATTG- GTTXCTTAATGT- - - - - T- T	
	36010 36020 36030 36040 36050 36060 36070 36080	
Human	----- CCAAT-----	31053
PolarBear	CCCTTTTTCTTTGCTGTAAACAGTATTTTAATTCTTTGAATTGCATTCCTTAATGT- - - - - TAT	3080
Cow	-----	29633
Dog	CCTCTCTTTTATTATTAACCTAAAATACTGCTTCTTAAAAATATTAACAAAATGA- - - - - GTT	28984
BelugaWhale	-----	24256
Donkey	TGT- TTTTCTCTGCCTAACAGTATTTTAATTCTTTAATTGAGTTCCTTTATTTACATACTTGGAAATTACTTCATCT	31094
Cat	CCTTTTTTCTTTGCTATAACAATATTTTAATTCTTTGAATTGGGTTTTTAAATGT- - - - - TTT	32666
Ferret	CCCTTTTTCTTTGCTCTAATAATATTTTAATTGTTTGAATTGAGTTCCTTAATGT- - - - - TCT	29212
Lion	CCTTTTTTCTTTGCTATAACAATATTTTAATTCTTTGAATTGGGTTTTTAAATGT- - - - - TTT	30981
Vaquita	-----	24929
Pig	CTTAACCCACTGAGTGAGGCCAGGGATCGAACCCACATCGTCATGGATGCTAGTTG- - - - - GGT	24159

Majority	XTXC- XATXATCTTXXTA- - - T- - X- X- TTTAAATTTTAT- - - - ATGTTTGAAAT- - - - AATAXTGTTGGTTGTTTGTA	
	36090 36100 36110 36120 36130 36140 36150 36160	
Human	----- TTTAGACCTTAGTTTTATGGCTGATG- - - - - GGCCAAATTTTTTTT- - - TGT	31097
PolarBear	CTCCCTATTATCTTCATACT- TAGGGTATTTTTTTTTTAT- - - - ATGTCTGAAAT- - - - AACATTGTTGGTTGT- - - - AA	3147
Cow	----- TTTAAACTTTTAT- - - - ATGTTTGAAAT- - - - AAT- - - - TGGTTGGTTGTAT	29672
Dog	GTATTGGTGTGCCTGGT- - - - - GAAACCCAGATGGTTA- - - - GCCTCACACCT- - - - AACCTATTTACGGA- - AAAA	29047
BelugaWhale	----- TTTAAGCTTTTAT- - - - ATGTTTGAAAC- - - - ATTACTGTTGGTTGGTTGTAA	24300
Donkey	ACTTGGATGATTTATTTAATCTTCATAGTTAAGGTTTTATTCTTACATTGTATGTCTGCAGTAACGTTGGTTGTTTGTA	31174
Cat	CTCCATATTATCTTCATAGGGTATTTTTCTTAAATTGTAT- - - - ATATGTCTGA- - - - AATAAAGTTGGTTGGTTGTAA	32737
Ferret	CTCCCTATGATCTTCATACT- TAGGATATTTTTCTTGTAT- - - - ATGTGTGAAGT- - - - AACATTGTTAGTTGTTTGTA	29283
Lion	CTCCATATTATCTTCATAGGGTATTTTTCTTAAATTGTAT- - - - ATATGTCTGA- - - - AATAAAGTTGGTTGTGTGTAA	31052
Vaquita	----- TTTAAGCTTTTAT- - - - ATGTTTGAAAC- - - - ATTACTGTTGGTTGGTTGTAA	24973
Pig	TGCCTAACTGCTGAGCCACGATGGGAACTCTGAACTTTA- - - - ATGTTTCAAAC- - - - AGTATTGTTGGTTGTTTGTA	24230

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Majority	TGTCTGTCT- - AAATAAATATAAACTAATTTTTAGACCTTAG- TTTTATGGCCCAAAXXXAAA- TTTGAATXTGATGAT	
	36170 36180 36190 36200 36210 36220 36230 36240	
Human	ATTTTGTTT- - AGTTTTGCTTGAATTGACGT- - - GTTCTCATCTGAATGGGCCAAATTTTGAA- TTTGATTATTATTAT	31170
PolarBear	TGTTTGTCT- - AAACAAATGTAACTAATTTTTGGACCCCTAG- TTTTATGGACCAAATTTTGAA- TCTGATGATGATGAT	3223
Cow	TGTCTGTCTGTAAATA- - TGTGGACCAATATTTAGATCTTAGATTTT- TGCCACTGGACCAA- TTTGAATCCGATGAT	29748
Dog	AGAAAGGAA- - AAAAAAAAAAAAAATG- - - - - TTTTGG- CTTTGTGGGAGAAAACAAAGA- GGGGA- GGGGAGATT	29112
BelugaWhale	TGTCTGTCTATAAATAAATACAGACTAATTTTTAGAGCTTAG- TTTTATGGCCAGTGGACCAA- TATGAATCTGATGAT	24378
Donkey	TGTCTGTTTGTAAATAAATATAGACTAATTTTTAGACCTTAG- TTTTATGACTGATGGACCAAATTTTAACTGATGAT	31253
Cat	GGTCTGTCT- - AAACAAATATAAACTAATTTTTAGACTCTTG- TTTTATGGATCAAATTTGAT- ATGGG- GATAATGAT	32812
Ferret	TGTCTGTCT- - AAACAAATATAAACT- - - C- - TAG- - TTTAG- TTTTATGGACCAAATTTTGAA- TCTGATGATAATGAT	29352
Lion	GGTCTGTCT- - AAACAAATATAAACTAATTTTTAGACTCTTG- TTTTATGGATCAAATTTGAT- ATGGG- GATAATGAT	31127
Vaquita	TGTCTGTCTCTAAATAAATACAGACTAATTTTTAGAGCTTAG- TTTTATGGCCAGTGGACCAA- TATGAATCTGATGAT	25051
Pig	TATCTGTCTATAAATAA- TATGAAGTATTTTTTAGACCTTAATTTTTATGGCCAGTGGACCAA- TTTGAATCTGATGAT	24308

Majority	GATXA- - - - - A- TGAATTAGTTTGCCTTATAACCCTACATTTTACATTGTTTACCTAAAACCAAAGTT	
	36250 36260 36270 36280 36290 36300 36310 36320	
Human	TAT- - - - - CAAATGAATTTACCTCACAACCTCCACATTTTACATTATTTACCTGAAACCAAAGTT	31229
PolarBear	GATGATGACGACAACGACGACAACCTGGATTAGTTTACCTTATAACCCTGCATTTTACATTGTTTACCTAAAACCAAAGTT	3303
Cow	GA- - - - - A- TGAATTAGTTTGCCTTATAACTGTACATTTTATGTTATTTACCTTAA- CCAAGGTT	29806
Dog	GGACAGGAGAGGAGAGA- GAAACGAGAGATGGAGAGGGAGAGGGGAATTGAACATGAGAGTG- - - GAGGAGAGGCGAGATT	29188
BelugaWhale	GA- - - - - C- TGAATTAGTTTGCCTTATAACCCTACATTTTATATTATT- ACCTAAAGCCAAAGTT	24436
Donkey	GATGATG- - - - - ATTGAAGTAGTTTGCCT- AAGACCTTACATTTTACGTTGTTTACTTAAAATCAAAGTT	31317
Cat	GATGATAATGACGAT- - - - - GAATTAATTATTCTGCCT- ATACCCCTGCATTTTACATTGTTTACCTAAAACCGAAGTT	32885
Ferret	GATGACGACAACAAC- - - - - AACTGAATTAGTTTACCTTATAACCCTGCATTTTACATTGTTTACCTAAAATCAGAGTT	29426
Lion	GATGATAATGACGAT- - - - - GAATTAATTATTCTGCCT- ATACCCCTGCATTTTACACTGTTTACCTAAAACCGAAGTT	31200
Vaquita	- - - - - TGAATTAGTTTGCCTTATAACCCTACATTTTATATTATT- ACCTAAAGCCAAAGTT	25106
Pig	- - - - - TAGTTTGTCTTACAGCCCTACATTTATATTATTTACCTAAAACCGAGATT	24359

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Majority      CCTTTTTCTAAACCCTTTCCTGAATTACTTGCTTGAGGAATTAATTGTATTGGGCAATAAAAGGATTGTAAAAGACTXG
                36330      36340      36350      36360      36370      36380      36390      36400
Human         CCTTTTTCTGATTTTAACTTTGAATTATTTGCTTGAAGAACAAATTATATTTGGCAATAAAAGGATCATGAAAGACTAG 31309
PolarBear    CCTTT-----CCTGAATTACTTACTTGAGGAATTAATTGTATTGAATAGTAAAAGGGCTGTAAAAGACTGG 3369
Cow          TCTTTTTACTAAACCCTTTCCTAAATTACTTGTTTGAGGAATCAA- - - ATTGGGCAATGTAAAGATTGTAAAGGAATGA 29882
Dog          -----GAGATAGAGAACAGGGAGGACAGGGGGAGAGGATTGAGACAAA- - - TAGGAGATT- G 29241
BelugaWhale  TCTTTTTCTAAACCCTTTCCTGAATTACTTGTTTTAGGAATCGT- - - ATTGGGCAATATAAAGATTGTAAAAGAATGG 24512
Donkey       - CTTTTATCTAAACCGTCTGCTGAATTACCTACTTGAGGAATTAATTGTATTGGGCAATAAAGGGATTGTAAAAGACTGG 31396
Cat          CCTTTTTCTGAACCCTTTCCTGAATTACTTGCTTGAGGAATTAATTGTTTTGGGTAGTAAAAGGATTGTAAAAAACTAG 32965
Ferret       CCTTT-----CGTGAATTACGTTCTTGAGGAATTAATTGTATTGGATAGTAAAAGGGTTGTAAAAGACTAG 29492
Lion         CCTTTTTCTGAACCCTTTCCTGAATTACTTGCTTGAGGAATTAATTGTTTTGGGTAGTAAAAGGATTGTAAAAAACTAG 31280
Vaquita    TCTTTTTCTAAACCCTTTCCTGAATTACTTGTTTTAGGAATCGT- - - ATTGGGCAATATAAAGATTGTAAAAGAATGG 25182
Pig          TCTTTTTCTGAACCCTTTCAGAGTTACCTGTTTGAGGAATTAATTATATTGGGCAATACAAAGATTATAAAAAGAATAG 24439
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Majority      AAG- CATT TTTGAT TTXCTTCAGGTAGCTATTGCTTATGTATATGTACACCTXAGCACACACATACA- - - - - CATXCC
                36410      36420      36430      36440      36450      36460      36470      36480
Human         AAGACATTTTGATTTCCCTTAGGTAGCTGTGCTTAATGTATACATACATCTTGACACACACAAACACAAACACACATCTC 31389
PolarBear    AAG- CATT TTTGAT TTTACTCCAGGTAGCTATTGCTTATGAATATGTACACCTCAGCACACACATACA- - - - - CATGTC 3440
Cow          AAG- CATT TTTGAT TTTCTTTAGATAACCAC- ACCCATGTATATGTACACCTCAGTGCACACACACA- - - - - GACC- C 29951
Dog          AGG- AGCATTGACCCAAACAAGGGAGTT- - - - - TACAT- TTTCTTTGTTTTAGGGTTTTTAT- - - - - TTTTTT 29302
BelugaWhale  AAG- CATT TTTGAT TTTCTTTCAGGTAGCCAT- GTTTGTGTATATGTACACCTCAGTGCACATGTACA- - - - - CATCCC 24582
Donkey       AAG- CATT TTTAAT TTTCTTTCATATAGCCATTGCTTGTGTATATGTACACTGTGGCACGCAGATGCA- - - - - CGTTTC 31467
Cat          AAG- CATT TTTGAT TTTATTTAGGTAGCCATTGCTTATGTATAGGTGCGCCTTGGCACACACATACA- - - - - TATGCC 33036
Ferret       AAG- CATT TTTGAT TTTACTTTAGGTAGCTATTGCTTATGT- TATGTGCACTTAAGCACGCACATGCA- - - - - CATGCC 29562
Lion         AAG- CATT TTTGAT TTTATTTAGGTAGCTATTGCTTATGTATAGGTGTGCCTTGGCACACACATACA- - - - - TATGCC 31351
Vaquita    AAG- CATT TTTGAT TTTCTTTCAGGTAGCCAT- GCTTGTGTATATGTACACCTCAGTGCACATGTACA- - - - - CATCCC 25252
Pig          AAG- TACT TTTAAT TTTCTTTCAGGTAGCTGTTGCTTGTATGTATGTATACCTCAGTGCACATATACA- - - - - TGTAAC 24510
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Majority	TGACAGTTCAGTTAAGTAAAAATTATAATGAAGTACTTAXCAAATATAGTCATAATGATGTGAAAATGAATTTGTCTACA	
	36490 36500 36510 36520 36530 36540 36550 36560	
Human	TGACAATTCAGTTAACTAAAAATTATAAGG- - - ACTTA- - ACAGATAATAGTCATGATGTGAAGATAAATTTGTCAACA	31463
PolarBear	TGGCAGTTCAGTTAAATAAAAACTGTAATGAAGTATTTACCATATCTAGTCATAATAATGTGAAAATGAATTTGCCTACA	3520
Cow	TGCAAGTT- - - - AAATACAAATTACAATGAAGTATTCTCCAAATATAGTTATAATAATGATAGGATGAATTTTTCTTCA	30026
Dog	TAAAAATTT- - TAAACTATTCCTAATAGTGTAACACCTG- - ACATTTGTTTTTCATGGTGAATAGTTTTCTTGAAAAAA	29378
BelugaWhale	TGACAATT- - - - AAGTAAAAATTATAATGAAGTATTTTTCAAATATAGTTATAATGATGTTAAGATGAATTTTTCTGCA	24657
Donkey	TGACAGTTCAGTTAAGTAAAAACTAAAAATGAAGTACTTACCTAGTATAGTCATAATGAGGTGAAAATGAATTTGTCCACA	31547
Cat	TGGCAGTTCAGTTAAGTAAAAACTATAATGAAGTACTTA- - - ACATAGTCATAATGATGTGATAATGAATTTGCCACA	33112
Ferret	TGGCAGTTCAGTTAAATAAAAAACGGTAATGAAGTACTTACCAAATATGGTCATAATAGTGTGGAAATGTATTTGCCACA	29642
Lion	TGGCAGTTCAGTTAAGTAAAAACTATAATGAAGTACTTA- - - ACATAGTCATAATGATGTGATAATGAATTTGCCACA	31427
Vaquita	TGACAATT- - - - AATTAATAATTATAATGAAGTATTTTTCAA- - - - TATAATGATGTTAAGATGAATTTTTCTGCA	25321
Pig	TGACAGTT- - - - AAGTAAAAATTACAGTGAAACTTAGTAAATATAGTCATAACGATGTTAAGGTGAATTTTTCTGCA	24585

Majority	C- ATCATTATTATTGACTTTTTCCATGTXA- XATTACAAAGCAAAA- TCACTAGGCCATGATTTT- - GATAGTCAAAGTAC	
	36570 36580 36590 36600 36610 36620 36630 36640	
Human	G- GTCATTATCATTGATTTTGGCTATGTAATGATTACAAAGCAAAA- TCACTGGGCCTTGATTTT- - GATAGTCAAAGTAC	31539
PolarBear	C- ATTATTATTATTGGCTTTTTCCATG- - - - AGTACAAAGCAAAA- TCACTAGGCCATGATTTT- - GATAGTCAAAGTAT	3591
Cow	C- ATTGTCATTACTGAGTTTTCCATGTCACAATTACAAAACAAA- TTACTAGGCCATGATTTT- - GAAAGTCAGGGTAC	30102
Dog	CCAGCAGATTAGTTGGACCATTTATA- - - - TTTTTAAATTTTAA- A- AAT- - GTTCTGATGTTTATATA- TGTTTGT	29448
BelugaWhale	C- ATCATCATTACTGAGTTTTCCATGTCATGATTACAAAGCAAAG- TCACTAGGCCATGATTTT- - GATAGTTAAGGTAC	24733
Donkey	C- ATCATTAGTACTGACTTTTTGCATGTCATGATTACAAAG- AAAA- TCACTAGGCCATGGTTTT- - GATAGTCAAAGTAC	31622
Cat	C- ATCATTATTATTGACTTTTTCCGTG- - - - ATTACAAAACAAA- TCACTAGGCCATGATTTT- - GATAGTCAAATAC	33183
Ferret	C- ATCATTATTATTGACTTTTTCCATG- - - - ATTATAAAAACAAAG- TCACTAGGCCATAGTTTTTTGATAGTCAAAGTAT	29715
Lion	C- ATCATTATTATTGACTTTTTCCGTG- - - - ATTACAAAACAAA- TCACTAGGCCATGATTTT- - GATAGTCAAATAC	31498
Vaquita	C- ATCATCATTACTGAGTTTTCCATGTCATGATTACAAAGCAAAG- TCACTAGGCCATGATTTT- - GATAGTTAAGGTAC	25397
Pig	C- ATAATTATTACTGAGTTTTCCATGTCAGGATTACAAAGCAAAAATCACTAGGCCATGGTTTT- - AATACTCAAGGTAT	24662

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Majority	CATGTACAAATAATTGAACAAATAGG- - CAAATGTCTGTA ACTCTGCTTTGCCAGTTT XATTTTTTTAAA ACT- - AATAC								
	36650	36660	36670	36680	36690	36700	36710	36720	
Human	CATGTACACATAATTGAACAAATAGG- - CAGAAGTGTGTA ACTCTGGTTTGT CCGTT- TCTCTTTTTGTTTTTACAATGC								31616
PolarBear	GGTATACAAATAATTA AACAGGTT- - - CAAATGTCTGTA ATGCTGCTTTGCTA- - - TCATTTTTTAGAAC- - - AATAT								3660
Cow	CATGTGCAAATAATTGAACAAACAAGCTCAGATGTCTGTATCTCTGC- - - - CAGTTTCATTTTTTTGAAACT- - AC- - -								30172
Dog	TTTACAGAGAGGATCTGACGAATA- - - CCACATCCTTCAGGCAGTCCAAGTTGTTTCTCATTAGTCCCAACTCGAATAT								29524
BelugaWhale	CATGTACAAATAATTGAACAAACAGGCTCAAATATCTGTATCTCTGCTTTGCCAGTTTCATGTTTTTTGAAAT- - AGTAC								24811
Donkey	CATGTACAAATAATTGAACAAATAGGCTCAAATGTCTGTA ACTCTGCTCTGCTGGTTAATTTTTCTTAAA ACT- - ATACA								31700
Cat	TGTGTACAAATAATTGAACAAATAGG- - TTCAAATGTCTAACGCTGCTTTGCCACTTTGATTTTTTTAAAAC- - - AATTC								33258
Ferret	GGTATACAAATAATTA AACAGGTT- - - CAAATGTCTGTA ATGGT GCTTTGCTAGTT- TCATTTTTTTAAAAC- - - AATAT								29787
Lion	TGTGTACAAATAATTGAACAAATAGG- - TTCAAATGTCTAACGCTGCTTTGCCACTTTGATTTTTTTAAAAC- - - AATAC								31573
Vaquita	CATGTACAAATAATTGAACAAACAGGCACAAATATCTGTATCTCTGCTTTGCCAGTTACATGTTTTTTGAAAT- - AGTAC								25475
Pig	CATGTACAAATAATTGAACAAACAGGCTCTAACGTCTGTACCTCTGCTTTGCCAGTTTCATTTTTTTT GAAAC- - A- - -								24736

Majority	ATATAGTGATGXATAATGGAAA- - TGTTTT- AAA- - AATT- - - AATATGTAGGGCTA- TGACAGAGTAACTGXTAGCAG								
	36730	36740	36750	36760	36770	36780	36790	36800	
Human	ATACTGTGATCGATAATGGGAAATTAATTTGGAATTAATTTCCAAATATTTAGGGCTAGTGACAGAGTAACTAGTAGCAG								31696
PolarBear	ATATAGTGATGAATAGTTGAAA- - CATTTT- AAA- - AATT- - - AATATGTAGGGCTA- TGACAGAATAACTGATAGCAG								3730
Cow	GTTTAATGATGGATAATGGAAA- - TGTTTT- AAA- - AACT- - - GATTCGTAGGGCTG- TGACAGACTA- CTGGTAGCAG								30241
Dog	GAGCCGC- ATGCATGGTGGTTA- - CAGGT- - AAG- - TGTT- - - TCTCTGTAA- CAA- TGCTTAATTATTTGCCATTAA								29591
BelugaWhale	ATTTAATGATTGATAATGGAAA- - TGTTTT- CTA- - AATT- - - AATATGTAGGGCTA- TGACAGAGTA- CTGGTAGCAG								24880
Donkey	TAGTAGCAATTGATAATGGAAA- - TGTTTT- AAA- - AATT- - - AATATGTAGGGCTA- TGACAGAGTAACTAGTAGCAA								31770
Cat	ATATAGTGATGAATAGTTGAAA- - TGTTTT- AAA- - AATT- - - AGTATGTAGGGCTA- TGACAGAATAACTGATAGCAC								33328
Ferret	ATGTAGTGATGAATAGTTGAAA- - CATTTTTAAA- - AATT- - - AATATGTAGGGCTA- TGACAGAATAACTGATAATAG								29858
Lion	ATATAGTGATGAATAGTTGAAA- - TGTTTT- AAA- - AATT- - - AGTATGTAGGGCTA- TGACAGAATAACTGATAGCAC								31643
Vaquita	ATTTAATGATTGATAATGGAAA- - TGTTTT- CTA- - AATT- - - AATATGTAGGGCTG- TGACAGAGTA- CTGGTAGCAG								25544
Pig	GAACATT- - TTAATAAAGGAGA- - CATTTT- TAA- - AATT- - - GATGTATAGGACTT- CGACAGAGTA- CTGATAGCAG								24803

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Majority	CCTTTCCTTCTX- - TTTCAATTT- - CCCCCAAAATCAAAAACCTATAAAACTGAATAAAATATATGGGACAACCTGTTGTC								
	36810	36820	36830	36840	36850	36860	36870	36880	
Human	CCTTGGCCCCCTT- - TTTTCAGTCT- - CCCCCAAAACCAAAAAGTATGTAACCTGAATAAAATACGTGGAACAACCTGTTGTT								31772
PolarBear	CTTTCCCTTCTCCCACCTGATATG- - CCCTCCAAAATCAACAACCTATGAAACTGTGTAATAATATATTGGACAACCTGTTGTC								3808
Cow	CCTTTCCTTTC- - - - TTTCCATCT- - TCCCTCAAAAATGGAAAACCTATAAAAATAGAGTAAAATATGTAGGACAGCTGTTGTC								30315
Dog	AATGTCAAA- - - - - ACTAAAATT- - TAGTCTTTTATAGAAATTTAGCACTTTTTATTTAATTTTATGTTAAGGGTGCTTTT								29664
BelugaWhale	CCTTTCCTTTC- - - - TTTCCATCT- - TTCCCCAAAATCAAAAACCTACAAAACCTGAATAAAATATATGGGACAACCTGTTGTC								24954
Donkey	CCTTTCCTTCTCTCCTCATGTTCCACCCCCCTGTATCAAACCTGTAACCACTGAGTGAAATATATGGGACAACCTGTTGTC								31850
Cat	CCTTTCCTTCTCC- TTCCATGTG- - CCCTCCAAAAAAAAATAAT- - - - AACTACA- - - AAACCTGTATAAAAATATATTGTC								33398
Ferret	ACTTCCCTTCTCCCCCTGAGATG- - CCCTCCAAAATGAAAAACT- - GAAATTGTATAAAGTATATTGGAAAACCTGTTGTC								29934
Lion	CTTTTCCTTCTCC- TTCCATGTG- - CCCTCCAAAAAAAAATAAT- - - - AACTACA- - - AAACCTGTATAAAAATATATTGTC								31713
Vaquita	CCTTTCCTTTC- - - - TTTCCATCT- - TTCCCCAAAATCAAAAACCTACAAAACCTGAATAAAATATATGGAACAACCTGTTGTC								25618
Pig	TA- - - - - CT- - TCTCCAAAATTGAAAACCTGTAACCACTGAATAAAATATCTGGGACAACCTAATGTC								24862

Majority	T GGAATTGATGAGCAGACAGTACAAGATAA- - - TGATCCCTGAGAGAAGGGGAA- - - - - ACATATGAGGTGAGTC								
	36890	36900	36910	36920	36930	36940	36950	36960	
Human	T GGAAGT GATGAGCAGACGGTATAAGATCA- - - - - TCCTTGAGAGAAGGGGT- - - - - ACACGTGAGGTAAGTA								31835
PolarBear	T AGAATTGATGAGCAGACAGTACTAGATAA- - - TGATCCCTGAAAGAAGGGGAATAGGGTCATTATTATATGAGGTGAATC								3885
Cow	T GGAATTGATGAGTAAATAGTATAGGATGG- - - TGATCCTTGAGATAAAGGAA- - - - - ACATGTGAAATGAACC								30381
Dog	T AAGATCGCGCTGCTGAGTGTTCGTTTAA- - - ACACTAC- - AGCAAATTGTAAGTATAGATG- - TAATATATGGTGTCAAAT								29737
BelugaWhale	T GGAATTGATGAGTAAATAGTACAAGATAA- - - TGAAACCTGAGATAAAGGGAA- - - - - ACATATGAAGT GAGTC								25020
Donkey	T GGAATTGATGAGCAGACACTACAAGATAACAATGATCCTTGAGAGAAGGGGAAT- - A- - - - - AAATGAGGTGAGTC								31919
Cat	T TGAATCGATGAGCAGACAGTACCAGATAA- - - AGATCCCTGAGAG- - - GGAA- - - AT- C- - - - - CATGAGGGGAGTC								33461
Ferret	T GGAATTAATGAACAGACAGTAGTAGATAA- - - TGATCTCTGAAAGAAGGGGAATAAGATCATTATCACATGAGGTGAATC								30011
Lion	T TGAATTGATGAGCAGACAGTACCAGATAA- - - AGATCCCTGAGAGAAGGGAA- - - AT- C- - - - - CATGAGGGGAGTC								31779
Vaquita	T GGAATTGATGAGTAAATAGTACAAGATAA- - - TGAAACCTGAGATAAAGGGAA- - - - - ACATATGAAGT GAGTC								25684
Pig	T GGAATTGATGAATAAATAGTACAGGGTAA- - - CGTTCCTTGAGATAAAGGAAA- - - - - ATGAATGAGGTGAGTT								24928

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Majority	AAGGATCACACACTATAGTAAGTGCCAACCT- - - - TAAGACTAAG- - TTAAGAACTG- - - AGATAGT- - - - - - - -								
	37450	37460	37470	37480	37490	37500	37510	37520	
Human	AAGGATCACACCCTATAGGAAAGTGCCATCTATAAGACTGAGATAAAAACCAGAAACCTAGCCCGATAGGAAAGTGAAGGAT								32349
PolarBear	GTGGATCACACACTATAGCAAGTGCCAACCT- - - - TAGGACTAAG- - TTAAGAACTG- - - ATATAGT- - - - - - - -								4383
Cow	AAGGATCATACTAATACTAATAGTAAGTGA- - - - CAATCATAAGA- CTAAGGGACTG- - - TGATAGT- - - - - - - -								30876
Dog	GCGTAACTCCTCCCCTCACAAA- - - CAAAAT- - - - GAACGGTAGG- - TAATAATAC- - - - AAGTCAA- - - - - - - -								30203
BelugaWhale	AAGGATCATACTATAGTAAGTGACAGCCA- - - - TAAGACTAAG- - TTAATAAACTC- - - TGATAGT- - - - - - - -								25514
Donkey	AAGAATCACTCACTGTACTAAGTGCCAACAACCA- - TAATACCAAG- - TTAAGAACTG- - - AGATAGT- - - - - - - -								32440
Cat	ATGGATCACCCATTACACTAAGCACCAACCT- - - - TAAAACAAAGAGTGAAGAAGCT- - - - AGATAGT- - - - - - - -								33957
Ferret	ATGGATCACACACTATATTAAGTGCCAACCT- - - - TAAGACTAAG- - TTAAGAACTG- - - AGATAGT- - - - - - - -								30498
Lion	ATGGATCACCCATTACACTAAGCACCAACCT- - - - TAAAAGGAAGAGTGAAGAAGCT- - - - AGATAGT- - - - - - - -								32277
Vaquita	AAGGATCATACTATAGTAAGTGACAGCCA- - - - TAAGACTAAG- - TTAATAAACTC- - - TGATAGT- - - - - - - -								26178
Pig	AAGGATCACACACTATAGTAAGTGACGGCCGT- - - - TAAGACTAAG- - TTAAGAAATAG- - - TGATAGT- - - - - - - -								25417

Majority	- - - - - CTAGCCTGACAAG- - AC- - ATGAAGGATTCAACCAGTAATTT- AATTGCCTGCCTAAAXAAAACAATACCCCCT								
	37530	37540	37550	37560	37570	37580	37590	37600	
Human	TCACCAGTTAATCTAACCAGTAACTGATGAAGGATTAATCAGTAATTT- AGTTGCCTTCCAAAACAAAACAACACCCCC-								32427
PolarBear	- - - - - TTAGCCTGACAAC- - AC- - ATTAAGGAT- CACCAGTAATTT- AGTTGCTTGCCTAAAGAAAACAATACCTCCT								4450
Cow	- - - - - CCAGTCTGACAAG- - AC- - GTGAAGAATTCACCAGTAATTT- AATTGCCTGCCTAAATAAAAACAGTATCCCCT								30944
Dog	- - - - - CCAATATGACTGT- - A- - - ATTAAG- - - - - CGGTAATCC- - - - - ATCCACTGTGGTGCCTCTTGTTGATG								30260
BelugaWhale	- - - - - CCAGCCTGACAAG- - AC- - ATGAAGGATTCAACCAGTAATTG- AATTGCCTGCCTAAATAAAAACAATGTGCCCT								25582
Donkey	- - - - - CTAGCCTGACAAG- - AC- - ATGAAGGCTTCATCAGTAGTTT- GATTGCCTGCCTAAACAAAACAACATCCCCT								32508
Cat	- - - - - TTGGCCTGACAAG- - AC- - AATAAGGAT- CACCAGTAATTT- AATTGCTTGCCTAAACAAAGCCACACCCCCCT								34024
Ferret	- - - - - TTAGCCTGACAAC- - AC- - ATTAAGGAT- CACCAGTAATTTAATTGCTTGCCTAAACCAAACAGTACCCACT								30566
Lion	- - - - - TTGGCCTGACAAG- - AC- - AATAAGGAT- CACCAGTAATTT- AATTGCTTGCCTAAACAAAACCACACCCCCCT								32344
Vaquita	- - - - - CCAGCCTGACAAG- - AC- - ATGAAGGATTCAACCAGTAGTTG- AATTGCCTGCCTAAATAAAAACAATGTGCCCT								26246
Pig	- - - - - CCACCCTGACAAG- - AT- - - GTGAAGGATTCAACCAGTGATTT- AATTGCCTGCCTAAATAAAAACAACACATTGT								25485

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Majority	AAGGAAGACA- - - TGATT CAGTCT- - - - TCCGXCAACTATCATCCACAATATCCTGCAT- - - - - - - - - - - - - - - - - - -	
	37610 37620 37630 37640 37650 37660 37670 37680	
Human	AAGAAAGACA- - - TGATATAGTTT- - - - TCCTGCAACTATCTTCCATAATATCTAGTAT- - - - - - - - - - - - - - - - - - -	32479
PolarBear	AAGGAAGACA- - - TGATT CAGTCTTTATTTTGTGAACCGTCATTCACAGTATCCACCAT- - - - - - - - - - - - - - - - - - -	4506
Cow	AAGGGAGACAACATGATT CAGTCT- - - - TCCCACAATT- - - ATCCACAATATCCTACCT- - - - - - - - - - - - - - - - - - -	30996
Dog	TATGTGGGTG- - - TGATTAATGT- - - GTCTGGTCTTCTGTGATTAAGA- TGAAAATGAGGTGCATTGAC- - - - - - - - - - - - - - - - - - -	30323
BelugaWhale	AAGGAAGACA- CATGATT CAGTCT- - - - TCCCACAACTATCATCCACAATATCCTGCAT- - - - - - - - - - - - - - - - - - -	25636
Donkey	AGGGAAGACC- - ATGATT CAGTCT- - - - TCCTACA ACTATCATCCATAATATCCTGCAT- - - - - - - - - - - - - - - - - - -	32561
Cat	AAGGAAGACA- - - TGTCTGAGTCTT- TTTTTGTGA ACTATCATT CATAATATCCCCCGT- - - - - - - - - - - - - - - - - - -	34079
Ferret	AAGGAAGACA- - - TGATT CAGTCTTCATTTTGTGA ACTGTCATT GACACTATCCACCATTGT CATT CACAATATCTACCA	30643
Lion	AAGGAAGACA- - - TGACTCAGTCTT- TTTTTGTGA ACTATCATT CATAATATCCCCCAT- - - - - - - - - - - - - - - - - - -	32399
Vaquita	AAGGAAGACAGCATGATT CAGTCT- - - - TCCCACA ACTATCATCCACAATATCCTGCAT- - - - - - - - - - - - - - - - - - -	26301
Pig	AAGAAAGACAGCATAATT CAGTCT- - - - TCCCACA ACTGT CATCTACAGTATCCTGCAT- - - - - - - - - - - - - - - - - - -	25540

Majority	- - - - - ACCATCAAAAATTACAAATTATGTGAAG- - - CATGX- AAXATTCCATXAAXTAGAGA- AGCAT- T- CAATAGGA	
	37690 37700 37710 37720 37730 37740 37750 37760	
Human	- - - - - ACCATCAAAAATTACAAAGTGATGTGCAGAAGCAGGAAAGTAACCCTATGAAATATAAAGAACACATTTAATAGGA	32553
PolarBear	- - - - - ACCATCAAAAATTGCAAATTATGGAAAG- - - CATGAGAACATTCCATAAAATTGAGA- AGCAT- T- AAATAGGA	4574
Cow	- - - - - AC- ATCAGATGTTA- AAATCATGTAAAG- - - - - - - - - - - - - - - - - - - A- - - - - - - - - ACCAT- T- CAATAAGA	31037
Dog	- TGGCTGTTGAATGAGGTAGGACATTGTGAGTAG- - - CGCGCTAGTGTTGT- TAAGCTACAGT- ATTTT- TCGAATAACA	30396
BelugaWhale	- - - - - ACCATCAAAATTTTACGAATCCTTTGAAG- - - - - - - - - - - - - - - - - - - A- - - - - - - - - AGCAT- T- CAATAAGA	25679
Donkey	- - - - - ACCATCAAAAATTATAAATCGTGTGAAGAAGCATGAAAAAATTCCATAAATTAGAGA- AGCAG- CATGCAATAG	32633
Cat	- - - - - ACCATCAAAAATTACAAATTATGGAAAGAAGCATGAAAACATTCCATCTAATAGAGA- AGCAT- T- CAACAGGA	34150
Ferret	ATATCCACCATTAGAAATCACAAATTATGGAAAG- - - CATG- - AACATTCCATAAAGTAGAGA- AGCAT- T- AAATAGGA	30715
Lion	- - - - - ACCATCAAAAATTACAAATTATGGAAAGAAGCATGAAAACATTCCATCTAATAGAGA- AGCAT- T- CAACAGGA	32470
Vaquita	- - - - - ACCATCAAAATTTTACGAATCCTTTGAAG- - - - - - - - - - - - - - - - - - - A- - - - - - - - - AGCAT- T- CAATAAGA	26344
Pig	- - - - - ACCATCAAATACTACAAATTTTGTGGAA- - - - - - - - - - - - - - - - - - - A- - - - - - - - - AACAA- T- CAGTAGGA	25583

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Majority	GCAGACXCCAAAATGACC- TAGATATTGGAAT- TAGCAGACAAGGACTATAAATATTT- TTAAAGCTATAAAGGAAAATA								
	37770	37780	37790	37800	37810	37820	37830	37840	
Human	ACAGATTCCAAAATGACC-	TAGA- GTTAGAAT-	TAGCAGACAAGGACGATAAGTAT-	- -	TTTAAGCTGTAAAGGAAAAGA				32627
PolarBear	CCAGACACAAGAATGATC-	TAGATAATGGAAT-	TGACAGACAAGGACTATAAATATTT-		TTAAAGCTATAAAGGAAAATA				4651
Cow	ATAGACCTCAAATGACC-	TAAATACTGGAAT-	TTGCAGACAGAGACTATAAGTATTT-		TTAAAGCTGTAAAAGAAAATA				31114
Dog	GGAGGGATTTCATCGGCTTCTGGAATATGGTTTGCAACTAGCAGGGGGTAAGGAC-				- - - -	CTGAGGATA-	ACTTGGAAAGG		30470
BelugaWhale	ATAGACCTCAAATGACC-	TTGATATTGGAAT-	TAGCAGACAAGGACTATATATATTT-		TTAAAGCTATAAAAGAAAATA				25756
Donkey	TAAGACCCCAAATGACC-	TAGATATTGGATT-	- AGCAGATAGAGATTATAAATATTTTTTTAAAGCTATAAAGGAAAATC						32710
Cat	GCGGACACCAAATGACC-	TAGATAGTGGAAT-	TAACACACAAGGATTATAGATATTT-		TTAAAGCTATAAAGGAAAATA				34227
Ferret	GCAGACACCAAATGAT-	- - AGATCATGAAAT-	TAACAGACAAGGACTATAAATATTT-		TTAAAGCTATAAAGGAAAATA				30790
Lion	GCGGACACCAAAGTGACC-	TAGATAGTGGAAT-	TAACACACAAGGATTATAGATATTT-		TTAAAGCTATAAAGGAAAATG				32547
Vaquita	GTAGACCTCAAATGACC-	TTGATATTGGAAT-	TAGCAGACAAGGACTATATATATTT-		TTAAAGCTATAAAAGAAAATA				26421
Pig	ATAGACCTCAGTATGACC-	TAGATATTGGAAT-	TAGCAGATAAGGACTATGAATACGT-		TTAAAGCTATAAAAGGAAAATA				25660

Majority	TT- - - - TAATGAGTGA- - ACATGGAGGAATGTGTTGAAAXAG- - - - - - CTATAAAGAAAGC- TATAGAAA- TGTTGTA									
	37850	37860	37870	37880	37890	37900	37910	37920		
Human	TTGAAATAATGAGTG-	- - - -	ATGGAGGAGTGTGTTG-	AAGAGATAAAAACTATAAAGAAAGCATGTAGAAA-	TATTCTA				32700	
PolarBear	TTAAA- TAGTGAGTGA-	- ACACGTAGAGGCATGTGTTAAGAG-	- - - - -	AGAAAAGAGAAGT-	AGAGAGCA-	TACAGAA			4718	
Cow	TT- - - - GAAAGAATAA-	- ACATGGAAGAATGTGTTGAGAAAG-	- - - - -	CTATAAAGAAAGTATATAGAAA-	TGCTGTA				31179	
Dog	TCAGG- TAGCGAATTG-	- GTCTATAGTAG-	- - - - -	ACAGGGC-	- - - - -	ATATACTATGTTT-	- -	TTTGTA-	TGTCTAT	30529
BelugaWhale	TT- - - - AAAATAAT-	- - - -	ACATGGAAGAATGTGTTGAGAAAAGAA-	- - - -	CTATAAAGAAAGCATATAGAAA-	TGCTCTA			25822	
Donkey	TTGAAATGATGAGTGAACGCTTGGAGGAATATGTTAAGAAAGAAAGAGAAGTATAAAGAAAGCATATAGAAAATGTTGTA								32790	
Cat	T- - - - - TAGTGAGTGA-	- ACACACAGAGA-	- - - - -	- - - - -	- - - - -	CTGTG-	- - - - -	TGTTGAT	34261	
Ferret	CTATG- TAGTGAGTGA-	- ATACATAGAGGTATGTGTTAAGAG-	- - - - -	AGAAAAGAGAGG-	- - - -	GAGCA-	TATAGAA	30853		
Lion	C- - - - - TAGTGAGTGA-	- ACACACAGAGA-	- - - - -	- - - - -	- - - - -	CTGTG-	- - - - -	TGTTGAT	32581	
Vaquita	TT- - - - GAAATAATGA-	- ACATGGAAGAATGTGTTGAGAAAAGAA-	- - - -	CTATAAAGAAAGCATATAGAAA-	TGCTCTA				26489	
Pig	TTTTGCAAAATAATGA-	- ACATGGAAGAATGTGTTGAAACAA-	- - - - -	CTGTAAGAAAGC-	TATAGAAG-	TGCTCTA			25728	

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Majority	ATTGAAAAA- - - - - A- - XAATATTTGGAATGAAAAATTCACTXGTTGAGACTAACAGCAGXTTGGAGACAACTGA								
	37930	37940	37950	37960	37970	37980	37990	38000	
Human	ATTGAAAAATACAGTTTTTG- - AAATAGTTGGGAC- - - TGATTCACTGGTTGGAAGTACTAGCAGATTGGAGACAATAGA								32775
PolarBear	ATCT- - GAA- - - - - - A- - - TATATTTGAGATGAAAAATTC- - - - ACTGGGGCTAACAGCAGATTGGAGACAACTAA								4779
Cow	ACTGAAAAATACAATATTCACACCATATTTGGAATGAAAAATTCACTGATTGAGACTAACAGAAGTTTGGAGACAACTGA								31259
Dog	ATCTCCCC- - - - - A- - - CCTTCCACCAAGTCAAACA- - - - GGAAAGTCCAAGT- - - - GGCGGAAGCAATCAA								30587
BelugaWhale	ATTGAAAAA- - - - - T- - - ACAAATTTGGAATGAAAAATTCACTGGTTGAGAGTAACAGCAGTTTGAAGACAACCTGA								25891
Donkey	ACTGAA- AA- - - - - - ATACAGTATGTGAAATGAAAAATTCACTGGTTGGGACTAACATCAGATTGCAGACAACCTGA								32859
Cat	GTTT- - - - - A- - - TATGACAACAG- - - CACTAA- - - - GTGAAGATAAATA- - - - - GAATTTTACAGT								34308
Ferret	ATCTCTGAA- - - - - A- - - TATATTTGAGATGAAAAACTC- - - - ACTGGGGCTAACA- - - GACTGGGGACAACCTGG								30913
Lion	GTTT- - - - - A- - - TATGACAACAGTTAGCACTAA- - - - GTGAAGATAAATA- - - - - GAATTTTACAGT								32632
Vaquita	ATTGAAAAA- - - - - T- - - ACAAATTTGGAATGAAAAATTCACTGGTTGAGAGTAACAGCAGTTTGACGACTACTGA								26558
Pig	ATTGGAAAA- - - - - ACACAGTATTTGGAATGAAAAGTTAACTCTTTGAGACTAACAGCCGTTTGGAGACAACCTGA								25798

Majority	AGAAAGGTTATTGAACTTGAA- TACAGATGGATAGAAAX- ATTCAGTTTCCCAGAGAGAG- AAAXTATATCTTT- - - - -								
	38010	38020	38030	38040	38050	38060	38070	38080	
Human	AGAAATGTTAGTGAACCTTGAA- TACTGTTGAATACAGTG- ATTAATCTGTGAGAGAGGA- GAAAGTATATCTAAT- - - -								32848
PolarBear	AGAAAGGTTTTTGAACCTTGAA- TACACATGGATAGAAAA- ATTAAGTTTCCCAGAGAGAA- GAAAATCTATCAT- - - - AG								4852
Cow	AGAAAGGTTAGTGAACCTTGAG- TACAGATTGACAGAAAGTATTCAGTT- TCCAGAGAGAATAAAAAGTATGTCTTT- - - -								31332
Dog	ACCAGA- TCATCGCACCTGAGCTGGATGTGAGAGGCCAA- AGTTGTATGCTTGTGTGTG- AACTTTGAACCTG- - - - -								30658
BelugaWhale	AGAAAGGTTAATGAACCTTGAA- TACAGATTGATAGAAATTACTCAGTTTTCCAGAGAGAGTAAAAGTATATCTTTG- - - -								25966
Donkey	AGAAAGGTTAGTAACTTGAG- TACAGACGAACAGAAATTATTCAGTTTACCAGAGAGAA- CAAAATATATGTTTG- - - -								32933
Cat	TGTAAGGTTTTTA- - - TT- - - - TACATG- AAGTGATAGA- ATATTAAGTCTGACTTAAAG- TAGATTCTATTAA- - - - -								34372
Ferret	AGAAAAGTTATTGAACTTGAA- TACACATGGATAGAA- - - ATTAAGTTTCCCAGAGAGAA- GAAAATGAATCAGTCTAAT								30988
Lion	TGTAAGGTTTTTA- - - TTATT- TACATG- AAGTGATAGA- ATATTAAGTCTAAGTAAAG- TAGATTCTATTAA- - - - -								32699
Vaquita	AGAAAGGTTAATGAACCTTGAA- TACAGATTGATAGAAATTACTCAGTTTTCCAGAGAGAGTAAAAGTATATCTTTG- - - -								26633
Pig	AGAAAGGTTAATGAACCTTGAG- TACAGATTGATAGAAATTATTCAGTTATCCAGAAAGGGTAAAATATATCTTTA- - - -								25873

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Majority	GGACGATTAAGCAGTCTAACATA- CATGTAA- - TTGGAGTTTCA- - GAGAGGGAATAAA- - - - - - - - - - - - - - - - - - GAGAAT
	38090 38100 38110 38120 38130 38140 38150 38160
Human	GGACAATGAAGCAGTCTGACATGTAAGTTGAATTTTCAGAGTGAGAATGTGGGGGAATAAACATCTATCTGTTTGAGATA 32928
PolarBear	GGACAATTAAACTGTCTAATAACA- CGTATAA- - - TTGGAGTTCCA- - GAGAGGAAATAAA- - - - - - - - - - - - - - - - - - GAGAAT 4912
Cow	GGATGATCAGGCAGTCTAACGTA- TGTGTCC- - - TTGGAGTTTTC- AGAGAGGGAATGAA- - - - - - - - - - - - - - - - - - GAGAAT 31393
Dog	GTTTTGGTTGCGCGGT- - - - - - - - - - - - AG- CGTGTGA- - - TCAAGATGTTA- - TTGTGTGAATTAT- - - - - - - - - - - - - - - - - - TGAATT 30712
BelugaWhale	GGGAGATCAAGTAGTCTAACATA- CATGTAA- - - TTGCAGTTTCA- - GAGAGGGAGTAAA- - - - - - - - - - - - - - - - - - GAGAAT 26026
Donkey	GGACAATCAAGCAGTCCAACATA- TGTGTAA- - - TTGGAGTTCTA- - GAGTGGGAGTAAA- - - - - - - - - - - - - - - - - - GAGAAT 32993
Cat	- - - - GGTTGCATACT- - - - - - - - - - - - GAAATAA- - - - - TTAATA- - - - - - - - - - - - - - - - - - AAAACATACAA- - - - - - - - - - - - - - - - - - GGAAGT 34413
Ferret	ATATGTATAAGCTGTCTA- TAAA- TGTATAA- - - TTGGAGTTCCA- - GTGAGGAAGTAAA- - - - - - - - - - - - - - - - - - GAGAAT 31047
Lion	- - - - GGTTGCATACT- - - - - - - - - - - - GAAATAA- - - - - TTAATA- - - - - - - - - - - - - - - - - - AAA- CATACAA- - - - - - - - - - - - - - - - - - GGAAGT 32739
Vaquita	GGGAGATCAAGTAGTCTAACATA- CATGTAA- - - TTGCAGTTTCA- - GAGAGGGAGTAAA- - - - - - - - - - - - - - - - - - GAGAAT 26693
Pig	GGACAGTTGAGCAGTCTAATATAACATGCAA- - - TTGGAGTTTTCAGAGAGAGAGAATAAA- - - - - - - - - - - - - - - - - - GAGAAT 25936

Majority	GGXG- - - CCAAATATGT- - - TAATTGAAGCAGTAA- - - TAGCTGAAAACCTTCTAAAATTTGAAGAAAAATAT- CAAGTA
	38170 38180 38190 38200 38210 38220 38230 38240
Human	GTAATGACTGAGAACTTCTAAAATTTGAATAAAATATATCAACTTACATTCTAAGAAGCTCAGGTAAACTCCTCATGTA 33008
PolarBear	GGGG- - - CCAAGTATGTG- - TAATTGAAGCAGTAA- - - TGGCTGAAAACCTTCTAAAATTTTAAGAAAAATAT- CAAGTT 4982
Cow	GTTG- - - CCAAATATGTCTATAAATTGAAGCATTAA- - - TAACTGAAAATGTCTAAAATCTGAAGAAAAATGC- TAGGTA 31465
Dog	GTGAGTTTCAATAATGTG- - ATGCTGCCATAGTTC- - - TCTTTCATAGCTTGCGGGGTCTTTGGTGGAGTA- - - AATGT 30783
BelugaWhale	GGTG- - - CCAAATATAT- - GTAATTGAAGCAGTAA- - - CAGTTGAAAACCTTCTAAAATTTGAAGAAAACTGT- CAGGTA 26096
Donkey	GGGG- - - CCAAATATATT- GTAATTGAGACAGAGAC- - - TTGCTGAAAACCTTAAAACATTTGAAGAAAAATAT- CAAGTA 33065
Cat	ACAG- - - TTAATAAGTGA- - - ATAGAGAAAAGGTTG- - - GGAGGACTGATTCCTGTTTTCAAGTTACAATA- - - AAGCT 34480
Ferret	ACAG- - - CCAAGTATGT- - - TAGTTCAGTAGTAA- - - TGGTGGAAAACCTTCTAAAATTTTAAGAAAAATAT- CAAGTT 31116
Lion	ACAG- - - TTAATAAGTGA- - - ATAAAGAAAAGGTTG- - - GGAGGACTGATTCCTGTTTTCAAGTTACAATA- - - AAGCT 32806
Vaquita	GGTG- - - CCAAATATAT- - GTAATTGAAGCAGTAA- - - TAGTTGAAAACCTTCTAAAATTTGAAGAAAACTGT- CAGTTA 26763
Pig	GGGG- - - CCAGATGTATACGTAATTGAAGCAGTAA- - - TAGCTGAAAACCTTCTAAAATTTGAAGAAAAATAT- CAAGTA 26008

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Majority	GGATAAATAAAA- AGAAACATACTXAGGCACATAATAGTCAA- ATATTGAAAACX- ATAATAAAGAGCAAATCT- TAC								
	38250	38260	38270	38280	38290	38300	38310	38320	
Human	GGCTAAATAAAA-	AGAACCATACTT	AGACACATAGT	AGTCAA- ATATT	GAAAACX-	GAAATGAAGAG	CAAATCTAAAC		33085
PolarBear	GGGTAAATAAAA-	AGAACCACGCTT	AGGCACATAAT	AGTCAA- ATATT	GAAAATCTAAT	GATAAAGAG	CAAATCT- TAC		5059
Cow	GGATAAGAAAAA-	AGAAACATTTT	GTTGTTCA- GTC	ACTAAGTCAT	GTCAGCCTCT-	- - TTGTGAC	CCCGT- GGAC-	TG-	31537
Dog	GTGTATGTGCTA-	AGTGACGTAATA	AAGACAATAA	ATTGTCGGT-	TGTTTGTAA	TGTCCAGTCT	ACTAAACAA- - -	C- TAC	30857
BelugaWhale	GGATAAGTAAAA-	AGAAACATACCA	AGGCACACAATA	AATCAA- ATATT	GAAAACX-	ATAATAAAG	AGAAAATCT- TAT		26172
Donkey	GGATAGATAAAA-	AGAAACACATTT	AGGTAGTTAAT	AGTCAAT- ATATT	GAAAACX-	ATGATAAAG	AACAAATCT- TTA		33141
Cat	GAGTAATCAAAAC	AGTATCATAGT	GGCATAAAGAA	GATAAAT- AGAT-	- - GAA- T-	- AGAACAGA	AATAGAA- - - -	TCC	34548
Ferret	GGATAAATAAAA-	AGAACCATACTT	AGGCACATAAT	AGTCAA- ATATT	GAAA-	CTAATGATA	AAGAGCAAATCT- TAC		31192
Lion	GAGTAATCAAAAC	AGTATCATAGT	GGCATAAAGAA	GATAAAT- AGAT-	- - GAA- T-	- AGAACAGA	AATAGAA- - - -	TCC	32874
Vaquita	GGATAAATAAAA-	AGAAACATACCA	AGGCACACAATA	AATCAA- ATATT	GAAAACX-	ATAATAAAG	AGAAAATCT- TAC		26839
Pig	GGATAAGTAAAA-	AGAAATATACCA	AGGCACATAAC	AGTCAA- ATATT	GAAAACX-	- - TAATAAG	CATCTAGGAA- AA-		26081

Majority	AGTCAXGCAAAAAAATCTAAC- - - GACX- - CXCCCXXATTXAAXTXAAAGACAXA- - CGAACTTTAGXTTGAATAGAA								
	38330	38340	38350	38360	38370	38380	38390	38400	
Human	AGCTGCGAAAAA	ACGTCTAACAG	GAGACCAACAC	CCTCGTATTAA	AGGGGGAAAA	AAAAAGCGAAT	TTTC- - TTT	AGACTGAA	33163
PolarBear	AGTCAGGAAGA	AGCCATCTCAC	AGGAGACCAAC	ACCTTCACTAA	AAGGAAAAA	AAG- - CTA	ACTTTAGAT	TGAATAGAA	5137
Cow	CATTACTCCAG	GATCCCTGTC	CCTCACCAG-	CTCCCAGAG	TGTGCTCAG	ACTCA- - -	TGTCCATT	GAGTCA- - -	GTGA 31609
Dog	AG- - AGTTAA	CAAATTTTTT	TAT- - - -	GG- - - - -	CCCTGAGTT	GTTTTGTGC	AC- - - -	CCAAGTGT	ATTTGAATCTGGA 30920
BelugaWhale	AAGCAAGCAAG	AAAAAGATAT	CTCACAGGAG	ACTAACACCT	TGCATTAAA	AGAAAAA	AGTTCTTT	AGGCTGGATGGAA 26252	
Donkey	AAACAAGCAG	AAAAAGACAT	C- - - - -	TACACAGT-	- - - - -	AGACTGA-	- C- -	ACCTTGC	ACTAAA- AGAA 33195
Cat	AG- - - - -	AAATAAAC	CTAC- - - -	A- - - - -	TAATT- - - -	ATGGAC-	- - - -	AACTGGT	TTTTGACTAAGG 34593
Ferret	AGTCAGGAAAA	AGCCATTT	CACAGGTGAC	CAACACCTT	TAAGGGGG	GAT- - G-	CTA	ACTTTGGAT	TGAATAGAA 31268
Lion	AG- - - - -	AAATAAAC	CTAC- - - -	A- - - - -	TAATT- - - -	ATGGAC-	- - - -	AACTGGT	TTTTGACTAAGG 32919
Vaquita	AAGCAAGCAAG	AAAAAGATAT	CTCACAGGAG	ACTAACACCT	TGCATTAAA	AGAAAAA	AGTTCTTT	AGGCTGAATGGAA 26919	
Pig	AGTTATCTCAC	AGGAGACTG	ACGCTTTG	CA- - TTCAA	AGAAAAA	CAAAACAG	AAA- -	CGTTCTTT	AGGTTGAACGGAA 26157

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Majority	T G A C A C T A G G C A A A A A C T T G G A T C T G C A G G A A A T A A - C A A G G A G T A C C A G G A A T G G T A A A T A T A T G T G T X A A - - - - T T A A								
	38410	38420	38430	38440	38450	38460	38470	38480	
Human	T G G C - - - - - A T A A C T T G G C T C T A C A G G G G A T A A - - G A G G A G T A C T G G G A A T G G T T A A T A T G T G T A T A A A - - T T T T A A								33231
PolarBear	T G A T A C T A C G T A A A A A C T T G G A T T T G C A G G A G G T A A A C C A G G A G T A C C G G G A A T G G T A A A T G T G T G T G T A A A - - - - T T A A								5213
Cow	T G C C A T C C A A C T G T C T C A T C C T C T T G T C G C C C C C T T - C - - - T T C T G C C C T C A G T C C T - - - - - T G C C A G C A - - - - T C A G								31674
Dog	T G A T G A T G A G G A G G G A G G A G A G G A A G G A A G G A G G A G G A G G A A G A C A C T G A A A T T A G T T G G C G T A T A A T C G T G - - - - A C A G								30996
BelugaWhale	T A G C A C T A G A C A A A A C C T T G G A T C T G C A G G A A A T A A - C A A G G A G T A C C A G G A A T G G T A A A T A A A T G T G C G A A A A T T T T A A								26331
Donkey	A G A A A A A A G C T G A T T T G T T T A G G C T G A A T G G A A T G A - - - - - C A C T A G A A A A A A G - - - - - T T A A								33248
Cat	T A T C C G T A T G C A A A A A C C A A A A - - - - - A C A A A A C A C - C A A A A C A C A C T T G G A T G T G T - A C C C C A T A C - C A T A - - - - T T - G								34660
Ferret	T G A C A C T A T G T A A A A A C T T G G A T T T G C A G G A A G T A A - C C A G G A G T A C C A G G A A T G G C A A A T A T G T G T G T A A A - - - - T T A G								31343
Lion	T A T C - - T A T G C A A A A A C C A A A A - - - - - A C A A A A C A C - C A A A A C A C A C T T G G A T G T G T - A C C C C A T A C - C A T A - - - - T T - G								32984
Vaquita	T A G C A C T A G A C A A A A C C T T G G A T C T G C A G G A A A T A A - C A A G G A G T A C C A G G A A T G G T A A A T A G A T G T G T G A A A A T T T T A A								26998
Pig	T G A C A C T A G A C A G T A A C T T G G A T C T A T A G G A A G T A A - C - - - G A G T A C C A G G A A T G G C A G A G G T G T G T A T G A A - - - - T T A A								26229

Majority	A A A G A T - T C T C T T T T A A T C C T T T A A A T T T C T T T G A A A G A - - C T G T - - C T X T X A A A X A A A A A A A C T T T G T A T T A T G - T G G								
	38490	38500	38510	38520	38530	38540	38550	38560	
Human	A A G G G C - T C T C T C T T T T C C T A T C A G - T T T C T T T G A A A G C - - - - - C T T T A T G T A A A C A A C A A C T T T G T A T T A T G - G G G								33300
PolarBear	A A A A G C - T C T C T T T T A A T C C T T T A A A T C T C T T T G A A A G A - - C T G T T - T A C G T A C A T T T A A A A A A A A A A C A T - - - - -								5281
Cow	A A - - - - T C T T T T C T A A T C A G T A G G T T C T A G A C A T C A G G - - T G A C - - C A G C G T A T T G A A G - - - - - C T T C A A C A A A G A T G C								31740
Dog	T T T T A C - A T T T T T T A G C C C A G T C A A A A C C T T T - - - - - T T G C T - T T T T G G G T G C A C G T A A A C C T T G T A C - - - - -								31058
BelugaWhale	A A A G C T A T C T C T T T A C T C C T T T A A A C T T C T T T G A A A G A - - C T G T - - T T A G G G A T A C A G A A A A C C T T T G A A T T A T G - T G G								26406
Donkey	A A A G A C T C C T C T T T T A A T C C A T T A A A T T T C T T T G A A A G A C A C T G T T T C T G T A T A A A G A A A A A A C T T T G T A T T - - - - T G G								33324
Cat	A A G A A T - T C A C T C T G A G T G G A C C T A G A A G A A A C - - - - - A T A G T A A A A A A A T T T T G T G A C C T - - - - -								34715
Ferret	A A A G A T - T T T C T T T T A T T C C T T T A A A T C T C T T T G A A A G A - - C T G T A - C A T T A A A A A A A A A A A C T T T G T A T T A T G T G G T								31419
Lion	A A G A A T - T A A C T C T G A G T G G A C C T A G A A G A A A C - - - - - A T A G T A A A A A A A T T T T G T G A C C T - - - - -								33039
Vaquita	A A A G C T A T C T C T T T A C T C C T T T A A A C T T C T T T G A A A G A - - C T G T - - T T A G G G A T A C A G A A A A C C T T T G A A T T A T G - T G G								27073
Pig	A A G G C - - T A T C T T T T A A T C C T T T G T C T T T G A A A G A C T G T - - T T A T - - C A A A A A A C A A A A A A C C T T T A A A T G A T G G T G G								26303

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Majority	TT- ATTATGTAC- - GTAGATGTTTATATGAC- AACAXTTAGCACAAAAGTGAAXATAAAXGG- - AAATTTACAGG- - - AAX								
	38570	38580	38590	38600	38610	38620	38630	38640	
Human	TTTATTATGTAA- - ATGGATGTTTATATGAC- AACAGTTAGTACAAAAGTGAAGATAAATGG- - AATTCTTCAGTGGTAAG								33375
PolarBear	- - - - - ATGTAT- - GTAGATGTTTCTGTGAC- AACAG- - - - CACTAAGTGAAGTAGAATTTTACAGTTGTAGG- - - - -								5342
Cow	ATAGTTAAAAGCTAGTACAAATTTGGAGGACTGACTCCTGTTTTGAAGTTATTGTAAACCCT- AAAGTAATCAA- - - AAC								31816
Dog	- - - - - TGAGC- - GTGGACTTGCTTGAGGG- TATAGT- - ATAGTAAACGATTGTAAAA- - - GGACCTATCAG- - - - -								31116
BelugaWhale	TTCATTCTGTAC- - ATAGATGTTTATATGAC- AATGATTAGCACAAAAGTGAAGATAAATGG- - AATTTTACAGTT- TAAG								26480
Donkey	TTTATTATGTGT- - ATAGATGTTTATATGAC- AGCAATTAGCACAAAAGTAAAGATAAATGG- - AATTTTACAGTTGTAAAG								33399
Cat	- - - - TGATTAG- - GCAGACGTTTCTTTGAT- AGGAC- - - - CCCAAAAGTACTATAAAA- - - G- AACAAAGTGG- - - - -								34773
Ferret	TTATTTATATAT- - GTAGATGTTCTTAGAAC- AACAGTTAGCACTAAATGAAAATAGAATTTTACAGTTACAGG- - - - -								31490
Lion	- - - - TGATTAG- - GCAGACGTTTCTTTGAT- AGGAC- - - - CCCAAAAGTACTATAAAA- - - G- AACAAAGTGG- - - - -								33097
Vaquita	TTCATTCTGTAC- - ATAGATGTTTATATGAC- AGTATTAGCACAAAAGTGAAGATAAATGG- - AATTTTACAGTT- TAAG								27147
Pig	TTTATTCTGTAC- - GTAGAGTTTTATGTGAC- AACAAATTAGCACAAAAGTGAAGTTAAGTGG- - AATTTTATAGAT- TAAG								26377

Majority	GTTTTTATATTTTACATGAAATGATAGAGTATTAACCTCTTACATAAX- - - - - GAATATTX- GATAAXTTAAA								
	38650	38660	38670	38680	38690	38700	38710	38720	
Human	GTTCTTATATTTTACCTGAAGTGATACAGTGTAACTCTAACATAAAA- - - AGATTCTGTTAAGGTT- - - GCATATCAA								33449
PolarBear	GCTTTTATTATTTATATGAAAAGATAGAATATTAACCTTGAACATAGACTCTTTTAAAGGTTGCATATTGAAATGATCTCCA								5422
Cow	AATATTATATTA- ACGTAAAGGTACATAG- ATGAG- - TAGAACA- - - - - GAATA- - - GAGAGTCCAAG								31872
Dog	AGTACCACTTTTGATTTGCTTCAGTGGTGGCTTAGCTATTGCTTA- - - - - TGTATAT- - - ATACACCTTG								31178
BelugaWhale	GTTTTTATATTA- - CATGAAATGATAGATTATTAACCTCTTACATAA- - - - - GAATATTCTGGTAAATTTAAA								26544
Donkey	GTTCTTATATTTTACATGAAATGAAAGAATATTAACCTCTAACACAA- - - - - GTAGATTCTAGTAAGTTAAG								33465
Cat	GATTTTCATCAGCT- TT- - - - - TAGACTCTAAGTTCTTTTGACAG- - - - - ATACTG- - ATAGTAGAAT								34826
Ferret	GTTTTTATTATTTATATGAAATGATAGAATATTAACCTCTTATGTAGATTCT- - - AAGGCTATATATTGAGATAATTGCCA								31567
Lion	GATTTTCATCAGCT- TT- - - - - TAGACTCTAAGTTCTTTTGACAG- - - - - ATACTG- - ATAGTAGAAT								33150
Vaquita	GTTTTTATATTA- - CATGAAATGATAGATTATTAACCTCTTACATAA- - - - - GAATATTCTGGTAAATTTAAA								27211
Pig	ATTCTTAAATTTTACATGAAGTGATAGAGTATTAACCTCTTACATG- - - - - GAATATCCTGATAAACTAAG								26442

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Majority	G- - - AAAATAXAAACAATXTCTATAAAGXA- GTAXAATTA- - - - - TAAATAGAGAGAAAAGTTGGAGGACTGATTC
	38730 38740 38750 38760 38770 38780 38790 38800
Human	ATTCTAAGTGTAATCTCATTTAAAAAGATAAAAAGAAGTATAACGAAAAGCCAATAGAGGAAAAATTGGAGCATTGACTA 33529
PolarBear	A- - - AAAAAAAAAAAAAAAAAAGATACAAGGAA- GTACAGTTAAGTG- - - - - TGAATAGAGAGAAAAGTTGGAGGACTGATTC 5492
Cow	A- - AAAAAGCCACACAATTAT- - - - - 31891
Dog	G- - - TGCACACGTAC- - - ACATGCCTAGCA- GTTCAGTT- - - - - TAAAAAGAAAACTATACGAAGTTTATTTA 31240
BelugaWhale	GTTGCATATTGAAACAATGTCTTTAAAAAG- GTACAAAGACTTACATTCAAAGCAAATAGAAAAGTTGGAGGGCTGACTC 26623
Donkey	GTTGCGTATTGAAATAATCTCTAAAAAATACAAAGAAATACAGTTAAAAGCAAAGAGAGGGGATGTTGGAGGACTGACT- 33544
Cat	G- - - AAAACACAAAC- - - - - CATAGAGTA- GCAGAATA- - - - - TCTTTACAGAGCATAT- GGAACTTTGATCC 34884
Ferret	A- - - AAAAAAAAAAA- - - AGATACAAGGAA- GTATTGTTAAATG- - - - - TGAATAGAGAAAAAGTTGGAGGACTGATTT 31634
Lion	G- - - AAAACACAAAC- - - - - CATAGAGTA- GCAGAATA- - - - - TCTTTACAGAGCATAT- GGAACTTTGATCC 33208
Vaquita	GTTGCATATTGAAACAATGTCTTTAAAAA- GTACAAAGACTTACATTCAAAGCAAATAGAAAAGTTGGAGGGCTGACTC 27290
Pig	GTTGCATATTGAAACAGTGTC- - - - - 26463

Majority	CCAATTTTCAAX- - T- TAATATAAGACTGAGTAATCAAAACAATGTCATAT- - - - XGGCATAAAGAAAGA- AAATAGATT
	38810 38820 38830 38840 38850 38860 38870 38880
Human	CCAGTTTTCAAGAAT- TACTGCAAAGCTACGGTAATTA AAAATAGCATCAT- - - - - AATA- ACATAAAGATAAATAGGTC 33602
PolarBear	CCTGTTTTCAAATGT- TAATATGAAGCTGAGAAATCAAAACAATGCCATAT- - - - TGGCATAAAGAAAGATAAATAGATT 5567
Cow	- - - - - 31891
Dog	CCAAAATATA- - - GT- CCATACGTGACTGTGTAAATGGAATTTTGCCTTGC- - - - AGATACTTTTATTGA- TTTTTTATT 31311
BelugaWhale	CTGCTTTTAAAAGTTATTGTAAACCATACAGTAATCAAAACAAGTCGTATTTATTAGCATAAAGAAAGATAAATAGATT 26703
Donkey	CTGTTTTCCAAAGTTATTGTA- AAGCTCCAGTAGTCACAATAATGTCACAT- - - - TGGCATAAAGAAAGATAAATAGATC 33619
Cat	AGAATATATA- - - - - TAAATTCAGACTGTATAAATGCTAAAACCTTAA- - - - - GGCAACAAACAACC- - - - - T- 34941
Ferret	CCTATTTTCAAACAT- TATTATAAAGCTGAGTAGTCAAAACAATGTCACAT- - - - TAGCATAAAGAAAG- - AAATAGATT 31707
Lion	AGAATATATA- - - - - TAAATTCAGACTGTATAAATGCTAAAACCTTAA- - - - GGCAACAAACAACC- - - - - T- 33268
Vaquita	CTGCTTTTAAAAGTTATTGTAAACCATACAGTAATCAAAACAAGTCGTATT- - - - AGCATAAAGAAAGATAAATAGATT 27366
Pig	- - - - - 26463

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Majority	AATGGAACAGAATAGA- - - XCCAGAAAT- - - - X- XCATAATTATGGACAACCTGGTTTTTGGACAAAGGTACAAAGXCAXTT	
	38890 38900 38910 38920 38930 38940 38950 38960	
Human	AGTGAGACAGAGCAGAGAGTTCAGAAGTTAACTCACACAATTATGGATAACTGATTTTTTGGACAAAGGTGCAAAGTCAATT	33682
PolarBear	AATAGAACAGAATAGAA- - TCCAGAAAT- - - - CTACATAATTATGGACAGCTGTTTTTGGACTAAGATACCCATATGTAA	5641
Cow	- - - - - GGACAACCGTTTTTGGACAAAGGTACAAAGGCAGTT	31927
Dog	GATTTACAATACAAGCC- - CCCCCAAAT- - - - - TATCACTA- - GATCATTGATTTTGGATTAGCCATAGCC- CAAGTTC	31379
BelugaWhale	AATGGAACAGAATAGAGAGTCCGGAAATAAAGCCACATAGTTATGGACAACCTGGTTTTTGGACAGAGGCACAAAGGCAATT	26783
Donkey	AGTGGAACAGAATAGA- - - - CTTAAAATAAACCCACGCAATAATGGACAACCTGGTTTTTGGACGGATGCACAAAGGCAATT	33695
Cat	AGTGTAATAAATTGG- - - - - CAAAAAT- - - - - ACTT- - GATAGTT- - - - - CAGCAAAAACATATGGCA	34992
Ferret	AATAGAACAGAATAGAA- - TCCAGAAATAAACCTGTGTAATTATGGACAGCTAGTTTTTGGACTAAGGTAGCCATATGTTT	31785
Lion	AGTGTAATAAATTGG- - - - - CAAAAAT- - - - - ACTT- - GATAGTT- - - - - CAGCAAAAACATATGGCA	33319
Vaquita	AATGGAACAGAATAGAGAGTCCGGAAATAAAGCCACATAGTTATGGACAACCTGGTTTTTGGACAGAGGCACAAAGGCAATT	27446
Pig	- - - - - GGGAGTCCCCTCGTGGCGCAGTGGTTAACGAATCC	26499

Majority	CAGTAGAXXCAAAAAAXAGAATTTTCAXC- - AGXXXTCTGTAACA- - TAGXATATCTAT- - - GTGCCAACXTGAACTGC	
	38970 38980 38990 39000 39010 39020 39030 39040	
Human	CAGTGGAGAAAAAGTAG- - - - ACTTCCAACAAAGGGTGCTACAGCAGTTGGAGCTATCCGTATGCAAAAAAATGATCTTG	33758
PolarBear	AAAAAAAAACAAGAAAACAAAAAAAACCTT- - GAACCTGTATCTCA- - TACCATAGTTAA- - - GAACTAGCTCTGAGTGG	5714
Cow	CAGTAGAGGGGAAAAAATAGATTTTTTTCAG- - CAGAGTTGTATAACAG- TAAGATATCCAT- - - ATGCTGCCAACAGCAAC	32001
Dog	TATGGTGT- CAAAATAATTAAGT- - GGTC- - AGATGTCTGTAACG- - CTGCTTTGCTA- - - GTTTCATTTTTTAAAAAC	31448
BelugaWhale	CAGTGGAGGAAAAAAA- TAGATTTTTTTCAGCAAAGGATTCTGTAACAA- TAGGCTATCCATGTGCTGCCAACAAACAGCAGC	26861
Donkey	CAATGGAGAGAGAAGA- - GACTTTTTTCAGCAAAGGGTGCTGTAACAGTTGGGTTATCTAT- - - ATGCAAAAACAAAAGAC	33769
Cat	AATAAGTA- CATGAAAA- - - - - AGAT- - - - GCTCTATGTCATT- - AATCAT- - - TA- - - - GATGCAAATTGAAGTGA	35050
Ferret	AAACAAA- CAAAACAA- AAAAACAAAGTT- - GGATCTATATCTCA- - AACCATAGTTAA- - - GAATTATCTCTAAGTGG	31856
Lion	AATAAGCA- CATGAAAA- - - - - CGAT- - - - GCTCTATGTCATT- - AATCAT- - - TA- - - - GATGCAAATTGAAGTGA	33377
Vaquita	CAGTGGAGGAAATAA- - TAGATTTTTTTCAGCAAAGGATTCTGTAACAA- TAGGCTATCCATATGCTGCCAACAAACAGCAGC	27523
Pig	GACTAGGAACCATGAGGTTGCGGGTTCGGT- CCCTGCCCTTGCTCAG- TGGTTAACGATCCGGCGTTGCCGTGAGCTGT	26577

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Majority	AAXAT- - - - - ACATGCTGCAAATAAAA- TTGA- - - - -								
	39050	39060	39070	39080	39090	39100	39110	39120	
Human	GATCTG- T- - - - - ATCTCACACTGCATATGAAAATTAACCTCAA- - - - - ATGGA								33801
PolarBear	ACCAT- - - - - ACATGATGTAATAAAA- TCTA- - - - -								5740
Cow	AGCA- - - - - GCAGCAAACCTTG- - TTGG- - - - -								32021
Dog	AATAT- - - - - ATATAGTATGAATAG- - - T- - - - -								31469
BelugaWhale	AACAAAGCTATCGATACTTGGATCTATACTTCATACAAAAAATGAGCTCAAATGGACTTTGATGTAAATGTAGAACCTAAA								26941
Donkey	AAAAAACTTGGGTCT- - - - - AT- - - - - ACCTCATACGATATACAAAAATTAGCTCCAG- - - - - GTG								33820
Cat	GATA- - - - - ACATTACGCACCTGTTA- T- - - - -								35072
Ferret	GCCAT- - - - - ACATGATGTAATAAAA- TCTA- - - - -								31882
Lion	GATA- - - - - ACATTACGCACCTATTA- T- - - - -								33399
Vaquita	AACAAAGCTATCGATACTTGGATCTATACTTCATACAAAAAATGAGCTCAAATGGACTTTGATGTAAATGTAGAACCTAAA								27603
Pig	GGTGT- - - - - AGGTCGCAGACACGGCTCGG- - - - -								26602

Majority	- - - - - A- ATTAXAAAATCTTTAGGAGATTGAGTAGAX- - - - - XATXTTT- X- - - -								
	39130	39140	39150	39160	39170	39180	39190	39200	
Human	TCATG- - - GCCTAATGTAAAACCAAAAATTATAAAATCTCTAGAAAAAAATACAGAAAATCTTCGTGACTTTGGATTAAG								33878
PolarBear	- - - - - AAATTATAAAACTTCTAGAAGACATAGTAGAA- - - - - AATCTTTGTT- - - -								5782
Cow	- - - - - A- TCTATGTTTTGTTTAGTT- - - - - GTTA- - - - -								32044
Dog	- - - - - TG- - AAACATTTAAAAAATTAATTACAT- - - - - AGCCCC- - - - -								31501
BelugaWhale	AATTATAAAACTTCTAGAAGAAAGCATAGTAGAAAATCTTTGTGACCTTGGGTTATGCA- - - - GAGATTTCTTTGCATA								27016
Donkey	GACCATGACGTAAATGTAGAACCTAAAATTATAAAACTTGTAGGAGAAAACATAGTAGA- - - - AAATCTTTGTGCCT								33894
Cat	- - - - - AATGGCTAATATTTAAGAGATTGACCATA- - - - -								35101
Ferret	- - - - - AAATTATAAAGCTTCTAGAAGACATAGTAGAA- - - - - AATCTTTATG- - - -								31924
Lion	- - - - - AATGGCTAATATTTAAGAGATTGACCATA- - - - -								33428
Vaquita	AATTATAAAACTTCTAGAAGAAAGCATAGTAGAAAATCTTTGTGACCTTGGGTTATGCA- - - - GAGATTTCTTTA- - - -								27674
Pig	- - - - - A- TCC- TGC GTT GCT GT GCT- - - - - TCTG- - - - -								26624

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Majority	- - - - - CTATGTGATGXGACCC- - CAAAAGCACAAATCTATGAAAGAACAAATGGXACTTXAT- CAGAXTTTAAAAXTTA										
	39210	39220	39230	39240	39250	39260	39270	39280			
Human	CAGGAATGTATTTGATATGACCC-	TAAAAGCACAAATCTATTTAAA-	- - -	AAATGGAATTTGACATCAGAATTTAAATCTT				33952			
PolarBear	- - - - - ACCTTGGGTTAGGACCC-	CAAAAGCATAATCTATAAAAGAACAAATGGA	ACTTCAT-	CAGGTTTTAAA	ACTTA			5853			
Cow	- - - - - ATTTGACCC-	CAAAAGCATGGTCTGTGAGAGAACAAATGGG	ATTTGAT-	CAGTTTTAAA	AACTTA			32107			
Dog	- - - - - CCCTATGACAGGA-	AATAC-	TGATTT-	- - - - - CAAGC-	- - -	CTTTAC-	CTCCCCTTGAG-	T- A	31549		
BelugaWhale	ATCTATGAAAGATTATGCAATCTATGAAAAGCACAAATCTATGAAAGAACAAATGGGACTTCAT-	TAGTTTTAAA	AACTTA					27095			
Donkey	TGGGTTAAGCAGAAATTTGATATCTCAAAAGCACAGTCTGCGAAAGAATAAATA-	- - - - -	GGACTTCATCA-	- - -				33959			
Cat	- - - - - CTAAGTGTTGGAA-	A-	G-	GATGT-	- - - - -	GGAT-	- - - - -	GA	ACTGTAAC-	- - - -	35135
Ferret	- - - - - ACTTTGGGTTAGGACCC-	TAAAAGCATAATCTATAAAAGAACAAATGGGACTTTGT-	GAGATTTTTAAA	ATTTA				31995			
Lion	- - - - - CTAAGTGTTGGAA-	A-	G-	GATGT-	- - - - -	GGAT-	- - - - -	GA	ACTGTAAC-	- - - -	33462
Vaquita	- - - - - ACGTGACCC-	CAAAAGCACAAATCTATGAAAGAACAAATGGGACTTCAT-	TAGTTTTAAA	AACTTA				27737			
Pig	- - - - - GCGTAGGCC-	GGTGGCTACAG-	CTCCGATTCA	ACCCTAGCCTGGGAA-	CCTCCATATGCCGCGG			26686			

Majority	- XGTTXTTCAAAGACA- - GXTA- GAGAATGAXAAGATAAGCCATAGAGTGG- TGAAXATCTXTAXAAA- - - - -										
	39290	39300	39310	39320	39330	39340	39350	39360			
Human	CTGCCATTCAAAGAAACTGCTA-	GGAATGAAAAGACAAGCCATAAACTGGAAGAACATCATAACAAA-	- - - - -					34020			
PolarBear	AAGTTTTTCAGAAGACATTGATAGTAGAATGAAAAACAAGCCATAGAATATCTGAACATCTTTAT-	AA-	- - - - -					5921			
Cow	ACATTATTCAAAATACA-	GTTAAGAGAATAAAAAGACAAGCCATAGAGTGG-	CAGACATCTTTACAAA-	- - - - -				32173			
Dog	TGGTCCCCTCCAATA-	- - -	GGAAAAAATATGAAGCTGTATCA-	AATATAT-	TGGATAGCTGTT-	- - - - -		31608			
BelugaWhale	- CATTATTCAAAAGACATTGTTAAGAGAATGAGAAGATAAGCCACGGAGTGG-	CAGATCTTTACAAAGATGTCTGATACA						27173			
Donkey	- - - - - GTTTAAAAA-	- - - - -	GAACAAAAAGACAAGCCATGGAGAGGCAGAATGTCTTTACAAA-	- - - - -				34012			
Cat	- - - - - TCTCATGTTG-	- - - - -	GTGAGAATGTAAA-	C-	- - - - -	T-	- - -	TGAAGA	ACTACT-	- - - - -	35172
Ferret	AAGTATTTCAAAGACATTGATAGTGGAATGAAAAAATAAGCCGTAAAATATCTGAACATCTTTCTGAA-	- - - - -						32064			
Lion	- - - - - TCTCATGTTG-	- - - - -	GTGAGAACGTAAA-	C-	- - - - -	T-	- - -	TGAAGA	ACTACT-	- - - - -	33499
Vaquita	- CATTATTCAAAAGACATTGTTAAGAGAATGAGAAGATAAGCCATGGAGTGG-	CAGATCTTTACAAAGATGTCTGATACA						27815			
Pig	GAGCGGCCCAAGGAATA-	- GC-	- -	AACAACAACA	CAAAAGACA	AAAAAAGACA-	AAAAA	AAAAA	AAGAA-	- - - - -	26749

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Majority	----- GCATATAGCTGATAAAGGATTTT XATCCAGAATATA XATAAATTCAGACTATXTAXA----- CT								
	39370	39380	39390	39400	39410	39420	39430	39440	
Human	-----	GCATATAGCTGATAAAGGACTTCTATCCAGAATATTAAAAGATTCAGTATATGTAAA--A-----	T	34079					
PolarBear	-----	GCATATGGCTGGCAAAGAACTTTGATTCAGAATATATATAAATTTGGACTGTATAAACG-----	CT	5982					
Cow	-----	GCATGCAGTTGATAAAGGATTTTATCCAGAATAAAAAT-----		32212					
Dog	-----	GCCTGGGATTGATGAATAGGAATAATAC-----TACGCCGTACTAGATTAC-TGATCC-----	CT	31662					
BelugaWhale	TATACATATGTATATATATAGCTGATAAAGGATTTTATCCAGAATATACATAAATTCAGACTACATATATAA----	ACT	27249						
Donkey	-----	GCATAAAGCTGATAAAGGA--CTTGTCTAGAATATATATAAATTCAGACTATATAGACTCCAAAAC	T	34077					
Cat	-----	TGGACAAA-----ATAATCT-----TGCAGATTCT-----	T	35198					
Ferret	-----	GCATATAGCTGATAAAGAAGCTTTAATCCAAGGTATATATAAATTTGGACTATATAAGCT-----	CT	32125					
Lion	-----	TGGACAAA-----ATAATCT-----TGCAGATTCT-----	T	33525					
Vaquita	TATACATATGTATATATATAGCTGATAAAGGATTTTATCCAGAATGTACATAAATTCAGACTACATATATAA----	ACT	27891						
Pig	-----	ACA-GTGTCTTAAAAAAGATACAAA--GAGGTGTAGTT-----		26784					

Majority	AAA- AAXC- - - XAXTAAACA- - ACCAAATGAAGTAAATTGACAAATTTXTXTTGAT- - - XCAGCAGGAA- - - - - CXC								
	39450	39460	39470	39480	39490	39500	39510	39520	
Human	CAGCAGTC- AAGCAACAAACT- - ACTCAATG- AATTGGCCAAAATATTTGAACAGGTAGTACAGCACAAAAGATACACAG								34155
PolarBear	AAA- AATGAAGGCAACAAACA- - ACCCAATGT AATAAATTGGCAAAAAGTACTTGAT- - - CAGCAAAAA- - - - -	CAT	6048						
Cow	-----	TAAAG- -		32231					
Dog	GAG- AAAAGGGGAAAAAAAAA- - ATAACACGAAGTGAATCCCTTTTCATTTTGGCC- - - TCTCCTGCAC- - - - -	CTT	31729						
BelugaWhale	CTA- AAACCTCAACAATAAGGC- - AGCAAACAACCCAATTTGATAAATTGGCAAAAAGTAATTGAATTGGTC- - - - -	AGC	27319						
Donkey	GAACAGGTGAGGCAACAAAAACAACCCAACCTTAGTAAATTGACAAAA- ATACTTGATAGTTCATCAAGAAAGATACACAA		34156						
Cat	AAA- AAGT- -	TGC	35255						
Ferret	AAA- ACTC- -	CAT	32187						
Lion	AAA- AAGT- -	TGC	33582						
Vaquita	CTA- AAACCTCAACAGTAAGGC- - AGCAAACAACCCAATTTGATAAATTGGCAAAAAGTAATTGAATTGGTC- - - - -	AGC	27961						
Pig	-----	TAAGGC- -		26806					

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Majority	XGAACTGTAAACTCA- TATACTGTTGATGGGAATGTAAAATTXTAGAACTACTTTGGAAAACAATTTGGCA- - - GTTTC								
	39690	39700	39710	39720	39730	39740	39750	39760	
Human	AGAATGTTAATATTCACAATACTGCTGATGGGAATGTAAAATCGTAG- - - TACTTTGGAAAACAATCTGGTA- - - GTTTC								34384
PolarBear	A- AGAACCATAACTCT- TATACTGTTGGTGGGAATGTAACTTGTAGAACTGCTTGGGCAAATAATCTGACA- - - GTTTC								6269
Cow	GGTACTGTAACACTCA- TATACTGTTGATGGGAATGTAAAATT- TAGAACTATTTTGGAAAACAGGTTGGCA- - - GTTTC								32368
Dog	GCAGGAGAGTAGATGA- GAGACGGCCAG- - - - - CAGAGACC- - - ATAAGTGCAGAGGGAGAAAAGAAGGAA- - - GAGTT								31940
BelugaWhale	GGAACTGTAACACTCA- TATACTGTTGATGGGAAAGTAAAATTGTAGAACTACTTTGGAAAACAATTTGGCA- - - GTTTC								27546
Donkey	GGAACTGTAACACTCA- TATATTGTTGATGGAAATGTAAAATTATAGAACTACGTTGGAAAACAATTTGGCA- - - GTTTC								34380
Cat	A- TGGCTCAGAGCCTG- GAGCCTGTTTC- - - - - - CGATTC- TGTGTCTCCCTCTCTCTCTGCCCTCCC- - - CTGTT								35457
Ferret	A- TGAACCATAGCTCA- TATACTGTTGG- - - AAATGTAACTTGTAGAACTACTTGGGCAAGTAATCAGGCC- - - ATTTC								32405
Lion	-----								33616
Vaquita	GGAACTGTAACACTCA- TATACTGTTGATGGGAAAGTAAAATTGTACAACACTTTAGAAAACAATTTGGCA- - - GTTTC								28188
Pig	ATTAGCATAAAGATAA- ATAGTAGTAGAGCAAAATAGAGAATC- CAGAAATAAACCACACAATTATGGACACCTGGTTT								26950

Majority	TTAAAA- - GTTAAACATXTA- - - CXGTATGATCCAGCTATTTGTCTCTTAGGCATTTAXCCAAGXAAAATGAAGGCATXT								
	39770	39780	39790	39800	39810	39820	39830	39840	
Human	TC- - - - - - - - - CAT- - - - - - - - - GATCCAGGTTATTTGTCTCCTAAGCATTTACCCAAGAGAAAAGAAGGCATCT								34441
PolarBear	TTAAAA- CTTGAACATCTA- - - TGAATGATGCAGCTGTTTGTCTCTTAGGCATTGATGCAGGAAAAATGAAGACAT- -								6343
Cow	TTAAAACACTGTTAAACATTTA- - - CAGTATGATCCAACCTTTGT- TTCCTAGGTACTIONAACCCAAGAAAAATGGTAGCATAT								32444
Dog	CAGCAA- - - - - GGCTCCAA- - - TGCGGGACTCGAGTCCGATCACCTTTGTGACTCTTCCATTGAACAT- - - GCCCTGG								32008
BelugaWhale	TTAAAA- GTTAAACATTTA- - - CTGTATGATCCAGCTATTTGTTTCCTAGGTGCTTACCCAAGGAATATGAAGGCATAT								27622
Donkey	TGAA- - - - GTTAAAGTATGTA- - - CTGTATGATCCAGCTGTTTGTCTCCTGTGCAAGAGGAGAAAAGAAAACCCAAGAAA- -								34451
Cat	CATGCT- - CT- - - GTCTCTC- - - T- CTGTCCCAAAAATAAATAAACGTTGAAAA- - - AAAAAAGAAAATAAAAAAAA- -								35523
Ferret	TTAAAA- - TTCAAACATCTA- - - TGAATGATGCAGCTGTTTGTCTCTTAGGCATTTATGCATGAGAAATGAAGGCATAT								32480
Lion	----- C- -----								33617
Vaquita	TTAAAA- GTTAAACATTTA- - - CTGTATGATCCAGCTATTTGTTTCCTAGGTGCTTACCCAAGGAATATGAAGGCATAT								28264
Pig	TCAATAAAGGTACAAAGTCAATT CAGTGAAGAAAAAATTAATTTTTT CAGTAAAGGGTCTATAACAATAA- GTTATCC								27029

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Majority	ACTCA- - - - - T TAAAAAACTC- - ATATGAATGTTTCATAGTAGCTTTXTTTGT- AATATCCAAAXCCCAAAC								
	39850	39860	39870	39880	39890	39900	39910	39920	
Human	ATTCA- - - - - T TAAAAAACTCTCATGTTAATGTTTCATAGCCATTTTATTTGT- AATCACCAAATGTGAAAC								34507
PolarBear	GTTTCATT- - AAAAAAGCTTAAAAACTTA- - AGATGAATGTTTCATAGTAGCTCTTTTGTTAATACCCAAAGCCCAAAC								6419
Cow	ACTCA- - - - - TCA- - - - CAC- - ATGTAAATGTTTATAGTAGTTTTATTTGT- AATATCTAAAGCCTAGAAC								32503
Dog	GCCCA- - - - AA- - - GGGCTTCAGGACCC- - - - TCAACTGCTTGTAGGGTTCCACCCAGGGAGGTCCCGAAC- - - AAGT								32073
BelugaWhale	ACTCA- - - - - T TAAAAACTC- - ATATGAATGTTTCATAGTAGCTTTATTCGT- AATATCTAAAATCCAGAAC								27686
Donkey	AATGAGGGCATATATTCCTTAAAAAACTTGTATATGAATGTTTCATAGTAGCTTTTTTTGT- ACCATTGAAGACCCCAAAC								34530
Cat	ACCCA- - - - - AAAAACTAAAAAACTC- - AGTTGAATGTTTCATAATAGCTTGTTT- GT- AATAAGCAAAGCCATAAAC								35591
Ferret	GTTCACTTAAAAAAAATACTAAAAAACTA- - AGATGAATGTTTCATAGTAGCTTTTTTTGT- AATACTCAAAGCCCAAAC								32557
Lion	- - CCA- - - - - AAAAACTAAAAAAATC- - AGTTGAATGTTTCATAATAGCTTGTTT- GT- AATAAGCAAAGCCATAAAC								33683
Vaquita	ACTCA- - - - - T TAAAAACTC- - ATATGAATGTTTCATAGTAGCTTTATTCGT- AATATCTAAAATCCAGAAC								28328
Pig	ATTTA- - - - - CTG- - - - CCA- - AAAACAACAGCAGCAAACGACTTAGAGCT- ATGGACTTCATACTGAAAT								27088

Majority	AATCCAAATGTCCATCAACAGATGAATGGATAAATA- GATTGCTGTTTTGGCATTGTATTCCATTGCATACAXTGAAATA								
	39930	39940	39950	39960	39970	39980	39990	40000	
Human	AA- - - - ACATTCATCAACAGATGAACTAATAAGTA- GATTCCTGTTTTGGCATCATATGCTTTTCCATACAGTGGAATA								34581
PolarBear	AATCCAGATGTCCATCAACAGCTGAATGGATAAATG- GATTGCAGTTTTGACATTGTATTCCATTGCATACTATGAACTA								6498
Cow	AACCCAAGGGTCCATCAGT- GATGAATGGATAAATG- AATGACTCTTTTGGCATTGAATTTTCATGA- ATACAGTGAAATG								32580
Dog	ACTATTATTACCAACCTAACATCAAAACACTAACT- AGTCACATTGCTTAAAT- GTACTCCATTG- GTTCAAAGAAAAA								32150
BelugaWhale	AACCCAAGTGTCCATCAGCAGATGAATATATAAAAA- GATAGCTCTTTTGGTATTGAATTCCATTGCATACAGTAAAATA								27765
Donkey	TACCCAATGTCCATCAACAGATGAATGGATAAAAAGTGATTACTGTTTTGGCATTGTATTCTATTGCATACATTGAAATG								34610
Cat	AATCCACATGTCCATCAACAGATGAATGGATAAATA- GATTGCAATTTTGGCCTTGTATTCCCTTTGGATACAATGAAATA								35670
Ferret	AATCTAGATGTCTACTAGTAGCTGAATAGATAAATA- GATTGTAGTTTTGGCATTGTATTCCATTTAATATCATGAAATA								32636
Lion	AATCCACATGTCCATCAACAGATGAATGGATAAATA- GATTGCAATTTTGGCCTCGTATTCCCTTTGCATACAATGAAATA								33762
Vaquita	AACCCAAGTGTCCATCAGCAGATGAATATATAAAAA- GATAGCTCTTTTGGTATTGAATTCCATTGCATACAGTAAAATA								28407
Pig	GAGCTCCAGATGGACTTTT- GAT- - - - - ACAAATG- TAGAACTTGAAAATTATAAAACTTCTAAG- AGAAAGCATAGTA								27159

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Majority	----- C- CC----- A- XXGTGGAGATTGXATTCATGAC- CTXAGGA- - TCAAGA- - - -							
	40170	40180	40190	40200	40210	40220	40230	40240
Human	TATATAAAACTCTGGGAAATGC-----AAACTAATCTAAAGCAAATTCATGGTTCTTAGGAGTTTAAGA- - - G 34760							
PolarBear	----- C- CC----- A- TCGTTGTGCTTGAAGCTGATGAC- CT- GGA- - TCAAGA- - - - 6583							
Cow	----- C- TC----- AGTGGTAAAGAACCCGCCTGCCAA- TACAGGAGGTGTGGG- - - - 32671							
Dog	----- C- TC----- A- GTGTTGGGGTCTCAGT- - TGAG- CT- - - - - TTGAAA- - - - 32204							
BelugaWhale	GTTGCTTGGAATTTAGAGGTGGGTAGAGCAAGGGAGAGGGTTGTAAAGGGCATAAGGAAA- TTTGGGGGTGATGGATATG 27999							
Donkey	----- 34630							
Cat	----- C- CC----- A- ATGTGGGGCTTGAATTCATGAC- CCCAACA- - TCAAGA- - - - 35754							
Ferret	----- C- CC----- A- GCGTGGGGCTTAAACTCATGAC- CTCAGGA- - TCAAGAA- - G 32709							
Lion	----- C- CC----- A- ATGTGGGGCTTGAATTCATGAC- CCCAACA- - TCAAGA- - - - 33850							
Vaquita	GTTGCTTGGAATTTAGAGGTGGGTAGAGCAAGGGAGAGGGTTGTAAAGGGCATAAGGAAA- TTTGGGGGTGATGGATATG 28643							
Pig	----- C- GC----- AGTCTATAAAAGAACACATGGGAC- CTTATCAGTTTTAAA- - - - 27256							

Majority	- G- - - - XCTTATGCTGTA- - - TTGACXXA- - - - - X- ACX- - - X- ACTC- - C- XAGAGTAA- - - - XATXXTGATXTAT							
	40250	40260	40270	40280	40290	40300	40310	40320
Human	TGGGAAAGGACAGGCAGGAGGGGTGGCAA- - - - GGGACACAGGAAAACCTC- - - - GGGAGTGA- - - - - TGGACATATAA 34826							
PolarBear	- G- - - - TCTCCTGCTGTA- - - CCGACTGA- - - - GCCAACCA- - G- ACTC- - C- TAGAATAA- - - - GCCACTGATACAT 6639							
Cow	TT- - - - CCAT- TCCTGGG- - - TTGAG- - A- - - - - A- - - - - G- ATCCCCTGGAGAATGA- - - - AGTGGCAACCTAC 32721							
Dog	----- CTTGTTGCT- - - TGGGTT- - - - - CCTAC- - - - A- ACTG- - - - TAGGGTTG- - - - TATTGTCATGTGT 32250							
BelugaWhale	TATATTCCCTTATGCTGAAGTTTTACAGATGTAAATATATGTCAAACCTTGTGAGATTGTAACCTTCATAGACATCTTAT 28079							
Donkey	----- T- - - - - ATTGATCTGT 34641							
Cat	- G- - - - TCTTATGCTGTA- - - CTGAGCC- - - - - GCC- - - - - ACTC- - C- TGGAATAA- - - - GATATTGATGCAT 35803							
Ferret	AG- - - - TCTCATGCTCTA- - - CCAGCTGA- - - - GCCAGCCA- - G- ACTCGCC- TAGAGTAA- - - - GCTACTGATATAT 32768							
Lion	- G- - - - TCTTATGCTGTA- - - CTGAGCCA- - - - - GTCAGCC- - - - - ACTC- - C- TAGAATAA- - - - GATATTGATGCAT 33904							
Vaquita	TATATTCCCTTATGCTGAAGTTTTACAGATGTAAATATATGTCAAACCTTGTGAGATTGTAACCTTCATAGACATCTTAT 28723							
Pig	AA- - - - CTTA- GGCTA- - - - TTCAA- - A- - - - - A- - - - - G- ACTGTTAAGAGAGTGA- - - - AAAGACAAGCCAC 27304							

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Majority	GTAATAGCAGGGATAAATCTCXAATA- - - - - ATAAXGCTGTGTAAAAGAAATAG- TXT- - G- ATA								
	40330	40340	40350	40360	40370	40380	40390	40400	
Human	ATTATTGTGATGGTGGTTTTATGGATGTATGCATATGTCAAACCTTGTCAAATTTTATAATTTAAATACATATACACATC								34906
PolarBear	GTAGTAGCAGGGATAAATCTCCAATA- - - - - ATTATGCTGTG- - AAAGAAGTGG- - - - - G- AAA								6691
Cow	TC- - CAGTATTCTTGCTTGGGAAATCCCAT- - - - - GG- - - ACAGAGGAGTCTGATGGGCTACGGTCTGTG- GTG								32784
Dog	GTGGCACATGGTGTGTTTTCAAAT- - - - - TCA- - - - - AAAGGACCCG- - - - - T- ATC								32293
BelugaWhale	TTTTATGTGAATTGTACCTCAAAAAGACTATTTAAAAAGAAAAGCCCATAGAGGAATTAAAATGGAATAC- TATCAA- ATA								28157
Donkey	GCAACAGCAGGGATAAATCTCCAATA- - - - - ATTATGCTGTGTGAAAGAAGCAA- - - - - GGA								34694
Cat	GTAATAGCAGGGATAAATACCCAATA- - - - - ATGCTACTGTGTAAAAGAAATGGCGGGGG- GGG								35863
Ferret	GTAGTAGCAGGGATAAATGTCCAATA- - - - - ATTATGCTGTGTGAAAGAAGTGG- - - - - G- AAA								32822
Lion	GTAATAGCAGGGATAAATACCCAATA- - - - - ATGCTACTCTGTAAAAGAAATGGACGGGGG- AGG								33964
Vaquita	TTTTATGTGAATTGTACCTCAAAAAGACTATTTAAAAAGAAAAGCCCATAGAGGAATTAAAATGCAATAC- TATCAA- ATA								28801
Pig	GGAGTGGCAGACAT- CTTCAAAAGCATGT- - - - - AGCTTATAAAGATCTTTATCCAGAATATATATAAA- TTC								27371

Majority	AAGGAATAXATTCAGTATGAAT- - CXATTTATATAAAAXACAAGGAXATACAXGCTAAAX- - - - - CA- - - - -								
	40410	40420	40430	40440	40450	40460	40470	40480	
Human	CTAGAATGGCCGAACTTCAGAACATTGATAACACCAAATGCTGGCAAGGATGTGGAGCAA- - - - - CAGGAACTCT- - CAC								34979
PolarBear	AAGGAGTACATTCTGTGTGATT- - CCATTTATATAAAACACAAGGAAATGCAAACAAA- - - - - CA- - - - -								6750
Cow	TTGCAACAGAGTCAGACCCAA- - - CTTAGCAACTAAACAACAACAAGCAAAGGG- - - - - CA- - - - -								32838
Dog	AAAGAGTA- - - - - AGTGAAGAAGAATTGCAAGATTCCTTTTTAACT- - - - - CA- - - - -								32337
BelugaWhale	TAGCAAGAGAAGAACAACAACAACAACAAGGACTGGACAGTTAGAAAATAAAGAGCTAGGTGTTAAACCCAGTCATAAAGGTAATGT								28237
Donkey	AAAAAATACATTTTGTATGATT- - CCATTTATATGAAGCACTAGGAAATGCAAGCCAAAAGTA- - CAT- - - - - TGG								34761
Cat	GGGGAGTACATTCTGTATGAAT- - TCATTTATATAAAACCCAAGGAGATACAAACTGAAG- - - - - CA- - - - -								35923
Ferret	AAGGAGTA- - - - - TGATT- - CCATTTATATAAAATGCAAGGAGACGCAAACAAAAG- - - - - CA- - - - -								32873
Lion	GGA- AATACATTCTGTATGAAT- - TCATTTATATAAAACCCAAGGAGATACAAACTGAAG- - - - - CA- - - - -								34023
Vaquita	TAGCAAGAGAAGAACAACAACAACAACAAGGACTGGACAGTTAGAAAATAAAGAGCTAGGTGTTAAACCCAGTCATAAATGTAAATGT								28881
Pig	AGACTACATATGTAGTCTAAAA- - CTCAACAGTAAGGCAACAACAACAACCTAATGT- - - - - AA- - - - -								27426

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Majority	----- GTTTGGAT----- TXGGGAGTGGGGAGGXGCGXGGGGGAGGGGGTTGTXAAGAGTATAAGGAAATT							
	40490	40500	40510	40520	40530	40540	40550	40560
Human	TTACTGCTCAGTGGAA-----		TGCAGAGTGGTACAGCCACTTTT		GGAAGACAATTTGGCAATTTCTT		TAGAAA	ACT 35048
PolarBear	----- GTTTGGAT-----		TTGGGGGTGGGGATGTCCGAAGGGG		ACGTGGTTGCAAAGAGTAAAAGG		GAGATT	6811
Cow	----- TGGG-----		GCGGGGGGAGCGGGGAAGGGGAGG		AGGGGAT-TGTAAAGGACATAAGG		AATTT	32894
Dog	----- GTTT-----		TTTAAACT----- ATCACCC		TGTGAGTACAGAGTTGTGCAG-		TAAAAGTATGAG	32388
BelugaWhale	AAATTGGTTAAACTAACATAGTTT		AGTGCAGTAACCACTAGTTTTGT		GAGACTGTGGAGCATGTGGAATGT		GACTACTCC	28317
Donkey	TGGTTGCTTGGAA-----		TCAGAGGTGGGGAAGAGTAAGG		AGGAGG-TGTTGCCAAAGGCACA		AAGAAATT	34827
Cat	----- GATTGGAT-----		TTGGGGGTGGGGAGGAGCCAGGGG		GATG-GGTTGCAAAGGGTACAAGG		AAATT	35983
Ferret	----- GTTTGGAT-----		TTGGGTGTGGGGAAGTGCAAGGGG		GACATGGTTGTGAAGAGTAAAAGG		AAATT	32934
Lion	----- GATTGGAT-----		TTGGGAGTGGGGAGGAGCAAGGGG		GATG-GGTTGCAAAGGGTACAAGG		AAATT	34083
Vaquita	AAATTGGTTAAACTAACATAGTTT		AGTGCAGTAACCACTAGTTTTGT		GAGACTGTGGAGCATGTGGAATGT		GACTACTCC	28961
Pig	----- TAAATTA-----		GCAAAAATAATTGAATTGGTCAGT		AAGATATACAGAAGGTAAGTAAGCA			27486

Majority	TX- - - GGGXTG- - - ATGGATATGTATAXTTTTAAAAGCTG- - - - - GAAGATTTTCATAGATGTAT- GCATAT- ATCAA							
	40570	40580	40590	40600	40610	40620	40630	40640
Human	ATA- - CGGCCGGGCACAGTGGCTT		ACGCCTGTAATCCCAGCGCTTT		GGGAAGCCAAGGCAGGCGGATCAC		CCTGAGGTCAG	35126
PolarBear	TG- - - GGGGTG- - - AT- -		ATATATACTTACAGTATTTCTT		AT- - - AGAAGATTTTCATGGAT		GTAT- GAATAT- ATCAA	6878
Cow	G- - - - GAGATG- - - ATGG		ATATATTCTTTTATGCTG- - -		- - - - - A- AGGTTTCATAGA-		- - - - - TGTA	32944
Dog	TG- - - TTGATG- - - AA- - -		TATATAAATATAAAAAGCTC-		- - - - - AGAAA- - CC- TG		AAAATAT- AAA- - - - ATAAA	32441
BelugaWhale	TAACTGAGATGTAAATGGGTTT		GTGTGTTGTTCAAAGACGTA-		- - - CCAAAAAAACCAAAAATAAT-		CTCATTTTTTAA	28393
Donkey	TG- - - GGGGTG- - - GTGGG		TATATCTCTTATGGT- - - - -		GAAGGTTTCATAGAGGAAT-		ACATAG- GTC	34889
Cat	TA- - - GGGGTG- - - AATG		ATATATACTCTCTTAGGGT-		- - - - - GAAGATGTCATGGATGTTT-		GCATAT- GTCAG	36046
Ferret	TG- - - GGGGTG- - - AGGG		ATATATACTTTTATTTCTT		AG- - - - - AGAAGATTTTCATGGAT		GTGT- GCATAT- ATCAA	33003
Lion	TA- - - GGGGTG- - - AATG		ATATATACTTTCTTAGGGT-		- - - - - GAAGATTTTCGTTGGATGTTT-		GCATAT- ATCAG	34146
Vaquita	TAACTGAGATGTAAATGGGTTT		GTGTGTTGTTCAAAGACGTA		AGTACCAAAAAAACCAAGAGT		AAC- CTCATTTTTTAA	29040
Pig	T- - - - GCGAAG- - - AAG		ATGCTCAGCATCTTTAGTCACTG-		- - - - - G- AGAAAT- GCAA-		- - - - - TTAA	27535

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Majority	GGAAGTAAT- XGTAAAATAA- - - - - XTCAATAATATCA- - - - - AAT								
	40810	40820	40830	40840	40850	40860	40870	40880	
Human	GGAGGTGGAGGTTGCAGT	GAGCCAGGATCACGCC	CATTTCACTCCA-				ACC-	TGGGC	35314
PolarBear	TAGTGCAGT- - GCAAGACAA-	- - - GACCACCACCAAAAACA-	- - - C-					TGGGT	7043
Cow	GGAATTA AAAATGGA- -	ATACT- - - - - GTCA-	- AATATTG-						33074
Dog	TGG- ACATT- - GCAGAACAT-	- - - TTCTTTTGGATATTACTA-	- - ATC-					TAAGA	32561
BelugaWhale	GGAAGAAATAGAAAATATAAACA	AACTGGTCATAAGCACTGAAATT	GAAACTGTGATTA	AAAAATCTTCCAACACACAAAA					28630
Donkey	GGAATTAAC- - - - - ATGG-	- - - - - AATACTATCA-						GAT	35005
Cat	TGGAGGAAT- - - TAAAATGG-	- - - - - AATATTATCA-						AAT	36163
Ferret	TGGCTCAGTTGGTTAAGCAGC-	- TGCCTTCGGCTCAGGTCATGATC-						CCAGC	33156
Lion	TGGAGGAAT- - - TAAAATGG-	- - - - - AATATTATCA-						AAT	34263
Vaquita	GGAAGAAATAGAAAATATAAAC	AGACTAGTCATAAGCACTGAAATT	GAAACTGTGATTA	AAAAATCTTCCAACACACAAAA					29277
Pig	GCAATTGATGGGAAC- ATAAA-	- - - - - ATTGT- AGAACTG-							27670

Majority	ATCCAGGG- - ATAGXGCXTXXCAA- - - - - X- - - - - TTTACAG- - - - - XX- - - - - X- - - - - C- GA- - - - - X								
	40890	40900	40910	40920	40930	40940	40950	40960	
Human	AACAAGAGCGAGACTCCATCTCAA	ATATACTTTTATTGTATGATCC	AGAGTTGTGCTCCCTGGTATTT	GCCTAAAGGAG					35394
PolarBear	AGTTAGGA- - ATAGCACATTTCAA-	GTGCTCATAGC- - - - - TTCACATAGCTACTGAT-	- - - - TA-	CTACAGA-				T	7103
Cow	- - CAAGAGCAGAACAAACAAACAC-	- - - - - TGGACAG-						T	33104
Dog	ATTAAGAG- - GCAAAGGTTGTGAG-	- - - - ACTGGAT- - - - TAAAAAGCAAGGCCACC-	- - - - TAAACTGCCA-	- - - - C					32618
BelugaWhale	GTCCAGGACCAGATGGCTT	CACAGGTGAATTCTATCACACATTT	ACAGAAGAGCTAACATCCATCCTT	CTCAA	ACTCTTC				28710
Donkey	ATTTTAT- - - TAATACTTTGCAA-	- - - - -						G	35026
Cat	ATTCTGT- - - TAGTGCAGTGCAA-	- - - - -						GA-	36186
Ferret	GTCCTGGG- - ATCGAGTCCCACATCGGGCTCCTTGC-	- - - - TCGGCAGGGAGCCTGCT-	- - - - TCTCCCTCTGC-	- - - - C					33219
Lion	ATTCTGT- - - TAGTGCAGTGCAA-	- - - - -						GA-	34286
Vaquita	GTCCAGGACCAGATGGCTT	CACAGGTGAATTCTATCACACATTT	ACAGAAGAGCTAACACCCATCCTT	CTCAA	AGTCTTC				29357
Pig	- - CTTTGG- AAAGCAATTTGGCAG-	- - - - - TTTTC-						T	27697

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Majority	TAGAAA	ACTGX	-----						TTTAXCCAGXTGCC	-	AACTAG	-	XAAAAA
	40970	40980	40990	41000	41010	41020	41030	41040					
Human	TTGAAA	ACTTAG	CTGCGC	AGAAAG	TAGCAC	ATGGAT	GTTTAT	AGCACCTTTCTTTATAGTTGCCAGAACTTCATAGCAA				35474	
PolarBear	TAAGGT	TTTTGG	-----				GTTTGT	TTTTTTTTTTTTTTT	GCC	-	AATTTT	-	ACACA
Cow	TAGAAA	AATT	-----				AATGGG	TAGATGT	TAAACCCAGTCATAAA				33142
Dog	TACACCT	CTGG	-----				CTATAG	TCCATCGGA	-	GGCGA	AGGACAGG		32657
BelugaWhale	CAAAAA	ATTG	CAGAGG	AAGGA	CACTCC	CAAAC	TCTTCTGTGAGGCCACCATCACCTGATACCAAACCAGACAAAGA					28790	
Donkey	-	AGAAGA	ATA	-----				ACAACA	AAACACC	-	-----	AGA	
Cat	AAGAAC	ACCAC	-----				GAAAAC	ACCAGGC	-	AATAAG	-	AAA	
Ferret	CACCATT	CTGTCT	GC	-----				CTGTGCTCGCTCTCTCCCCTCTC	-	TCTTTCTGAGAAA		33271	
Lion	AAGAAC	ACCAT	-----				GAAAAC	ACCAGGC	-	AATAAG	-	AAAG	
Vaquita	CAAAAA	ATTG	CAGAGG	AAGGA	CACTCC	CAAAC	TCTTCTGTGAGGCCACCATCACCTGATACCAAACCAGACAAAGA					29437	
Pig	TAAAAA	AGA	-----				TTCAGC	TATTTGTC	-	TCCTAG	GCATTTA		27733

Majority	TAAATA	XAA	-	ATTAAATAGATA	-----			ACTGAT	-	AAXATAAATGTAGATXA	-	X	-	XXTAT	-	A	-----
	41050	41060	41070	41080	41090	41100	41110	41120									
Human	CCAAGA	AGTCCT	TTAGG	AGGTG	-	AATGGCCAAATAAACTGTGGTGTATATTCAGACAGTATAATGTTAATCAG	-	-	-	-						35546	
PolarBear	TCAGTT	TAGTGTTT	TAGAAG	TTA	-----			GTTTAA	CATCTATTTATTTTC	-	-----	TAACTAC	-	-----	CCAG	-	TAA
Cow	T-	CTCTAA	ATGTA	AATTGG	CTA	-	-----	AACTAAC	-	ATAGTCTCATAGTAACCATTGGTTATAT	-	-----				33198	
Dog	AGGATAGAA	-	ATCGAGGAGAAA	-----			GGGGGAAACGAGGGGAGGGAA	-	-----	TGG	-	-----	GGAG	-	G	32707	
BelugaWhale	TACTACA	AAAAA	AAGATTACAGACCAATGTA	AACTGATGAACATAGATGCAGAAATCCTCAACAAAATACTAGCAAATAGAA												28870	
Donkey	CAATTAGAA	-	AATAAATAGCTA	-----			GA	-	TGTTAAACGTAAACCCATTGTA	-	-----					35096	
Cat	TAAACAGAT	-	GTTAAACATAAA	-----			TGTGTA	AAATGTAAATTA	-	-----						36258	
Ferret	TAAATA	AAATCTT	AAAAA	AAATGGAA	-	TACTATCAAATATTAGTG	CAGTGCAAAAAATAGATGT	-	-----	TAAAC	-	TAA				33343	
Lion	TAAATAGAT	-	GTTAAACATAAA	-----			TGTGTA	AAATGTAAATTA	-	-----						34358	
Vaquita	TACTACA	AAAAA	AAGATTACAGACCAATGTA	AACTGATGAACATAGATGCAGAAATCCTCAACAAAATACTAGCAAATAGAA												29517	
Pig	C-	CCAAGA	AGAATGA	AGGCGTA	-----			GACTCAT	-	ATATGAATGTT	CATAGCTTTATTTGTA	-	-----			27788	

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Majority	-----XA-ACAAAAAAGATXXAAAAGCAXXTGA-----CAAAXAAAX								
	41130	41140	41150	41160	41170	41180	41190	41200	
Human	---CACTAAATGGAAATGAGCTATCAAGCCATGGAGAACCTTCAGT-----GAACATTACTAAATAAAA								35607
PolarBear	CTTCTAAACACTAAACTAATGTGTAAAAGTAAATTGG-----CAAAAAAAC								7249
Cow	-----AAGGCTGTAGAGCATG-----CAAATGT--								33222
Dog	----GGAAGAGGAGGAGAAGATAGGGGAAAAGACGGA-----CAAGAGAAGA								32750
BelugaWhale	TCCAACAACACATTAAGGATCATACACCATGATCAAGTGGGATTTATGCCAGGGATGCAGGGATTCTTCAATATATGC								28950
Donkey	-----AGTCTGTAATGTAAATTGG-----CAAACATA--								35124
Cat	-----GCAAAAAACAACAACAACAACA-----CAAAAAAAC								36296
Ferret	CTTCTCAACACAAAATAATGTGTAAAAGTAAACTGG-----CAAAAAAAA								33390
Lion	-----GCAAAAAA-----AAAAACCAA-----AAAAACA								34387
Vaquita	TCCAACAACACATTAAGGATCATACAGCATGATCAAGTGGGATTTATCCCAGGGATGCAAGGAGCCTTCAGTATATGC								29597
Pig	-----ATATCTGAAGGCCATA-----CAACAGTT--								27813

Majority	XAAA-A-X-----AAAXACTTTAXTXTA-ATGXAGTAAXCAATA-----GCTGTATGAAGCAAT-GAACACTGGAA--								
	41210	41220	41230	41240	41250	41260	41270	41280	
Human	GAAGCCACTCTGAAAATTCTGCATACCATATGATTCCAACATATGACAT-TCTGGAAAAAGCAA--AATTATGGAG--								35681
PolarBear	GC-----CCAAAACCTTAATCT---GTAGTAATCAGT-----GCTATGTGAAGCTAT-GAGCACTTGAA--								7304
Cow	-GACTACTC-----TTA-ATTGATAAGTGAATGGG-----TGTGTGCTTCAA--AGACGTAGTA--								33272
Dog	GGGAAGGATA--TAGACACCTGAAAACA-A-AAACGGACCAGA-----AGAAAGAATAGTAAT-AATCTATGCAG--								32815
BelugaWhale	AAATCAGTCAGTGTGATACCATATTA-GCAAATTGAAGAATGAAAACCATATGATCATCTCAAT-AGATGCAGAAAAA								29028
Donkey	-----A-----TTTAGTTTA-ATGTGGTAACAGCTA-----GCCATATGAGGCCATTGAGCACTTGGA--								35176
Cat	AA-A-----AAACCCTTTAATCTG-CTGTAGTAACCACTA-----GCTGTATGAGGCCGT-GAAC--TGT---								36351
Ferret	AAAAA-----CCAAAACCTTATTCTA-GTGTAGTAATCACTAGC--TAGCTGTATGAAGCCAT-GAACACTTGAA--								33461
Lion	GA-A-----AAACCCTTTAATCTG-CTGTAGTAACCCCTA-----GCTATATGAGGCCAT-GAAC--TGT---								34442
Vaquita	AAATCAATCCATGTGATAAACCATATTA-ACAAACTGAAGAATAAAACCCATATGATCATCTCAAT-AGATGCAGAAAAA								29675
Pig	-AAGTGTTTA-----TCA-GGGAATGAATGGATGGA-----TGGCTGTTTT-----GTCATTGAA--								27861

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Majority	- ATGT- - AXTATTCCXAATXG- - - - -								
	41290	41300	41310	41320	41330	41340	41350	41360	
Human	- ACAGTAAAAATCAGTGGTTGCTAGGGTTTAGGGGTGGAGGGAGGGATGAACTGGTGGAGTACAGAGGATTTTAGGGTAC								35760
PolarBear	- ATGT- - GCTATTCCTAATTG- - - - -								7322
Cow	- CTGA- - AAAAATAAGGATGT- - - - -								33290
Dog	- AC- - - - GACAAGCACAA- - - - -								32828
BelugaWhale	GCTTT- GACAAGATTCAACACCATTTATGGTAAAACTCTCCAGAAAGTGGGCATAGAAGGAATCTA- - - - ATATAATA								29102
Donkey	- ATGT- GACTACCCCTAATTG- - - - -								35195
Cat	- GC- - - - - TGTTCCCTAATGG- - - - -								36365
Ferret	- ATGT- - GATATTCCCAGTTG- - - - -								33479
Lion	- GC- - - - - TGTTCCCTAATGG- - - - -								34456
Vaquita	GCTTTTGACAAAATTCAACAC- - - - - AAAA ACTCTTCAGAAAGTGGGCATAGAGGGAACCTACCTCAACATAATG								29745
Pig	- TTCC- - ATTGCATACAGTGA- - - - -								27879

Majority	- - - - - AGATGTATXTCTG- - - - - ATGCATGTGTGTTTCAAAGA- TATAGTAX- -								
	41370	41380	41390	41400	41410	41420	41430	41440	
Human	TGAAAATATTCTGCATGATACTATAATGATAGATACATG- - - TCATACATTTTTCCA- AACCCATAGAATGTAAGACAC								35835
PolarBear	- - - - - AGATGTATATGTG- - - - - GTGCATGTGTGTTTCAAAGA- CGTAGTA- - -								7362
Cow	- - - - - AA- - - - - A- - - - - ACATCTCAAAAAATTTTAAAA- -								33314
Dog	- - - - - AAAAGTTAATCTG- - - - - ATTATTGTA- GCTTCAGA- - - - CAGAAT- -								32864
BelugaWhale	AAGGCCATATAAAACAAACCCACAGCAAACATCATTCTCAATGGTGAAAACTGAAAGCGTTTCTCTAAGATCAGGA- -								29180
Donkey	- - - - - AGATGTATTTGGG- - - - - AGGACGTGTGTTTCAAAGA- TGTAGTA- - -								35234
Cat	- - - - - AGATGTATGTGTGGAGAT- - - GTATGCCTTTGTGTTTCAAAA- CATAGTA- - -								36412
Ferret	- - - - - AGATGTATGTCTG- - - - - GTGCATGTGTGTTTCAAAGA- TGTAGTAA- -								33520
Lion	- - - - - AGATGT- - - - - ATGCCTTTGTGTTTCAAAA- CATAGTA- - -								34489
Vaquita	AAGGCCATATATGGCAGACCCACAGCAAACATCATTCTCAATGGTGAAAACTGAAAGCATTTCTCTAAGATCAGGA- -								29823
Pig	- - - - - AG- - - - - T- - - - - ACTGCTCAGCCA- TATGGAGT- -								27902

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Majority	T C A A A A X T A G - - - - - A A T G T T A A A T A A T T T A T T T T T G A A A A T A T T G A X T - - - - - X T A T G T T A A T A T G G	
	41450 41460 41470 41480 41490 41500 41510 41520	
Human	T T G G A G T G A A C C T G G A G G T A A C T A C A G A C T T T G A G T G A T T A T A A T G T G T C A G T G T A G G T T C A T C A G T T G T A A C A A T G T G C	35915
PolarBear	T C A A A A A T A G - - - - - A A T G T A A A A T A C T T G A T T T T T A A G A A T A A T G - - - - - T G T G T T G A T A C G G	7416
Cow	C T A - - - - - C T G A - - T T A T - - A T G T T G A T G T G G T G G C T C A G A T T - - - - - G T A A A G A A T C T G C C	33362
Dog	T C A A G A C A A G - - - - - G A T T G T T A - - - - - C T A A T A T T A A A A C A T T T C A T - - - - - A G T G T T A A A G G G T	32915
BelugaWhale	A C A A G A C A A G G A T G T C C A C T C T C G C C A C T A T T A T T C A A C A T A G T T T T G G A A G T C C T A G C C A C A A C A G T C A A A G A A G A A A A	29260
Donkey	T C A A A - - - - - A A A G A A G A A - - - - - T C T C A T T A A A A A A T C T T A - - - - - C G T T G A T A C A G	35277
Cat	T C A A A A G T A A T - - - - - A A T G T A A A A T A T T T C A T T T T T T A A A A T A T T G A C T - - - - - A T A T G T T G A T A T G G	36471
Ferret	T C A G A A G T A G T A - - - - - A G A A T G C A A A A T A C T T A A T T T T T A A A A A T A T T G A T T - - - - - G T A T G T T G A T A T G G	33582
Lion	T C A A A A G T A A T - - - - - A A T G T A A A A T A T T T C A T T T T T T A A A A T A T T G A C T - - - - - A T A T G T T G A T A T G G	34548
Vaquita	A C A A G A C A A G G A T G T C C T C T T T G G C A C T A T T A T T C A A C A T A G T T T T G G A A G T C C T A G C C A T G G C A A T C A G A G A A G A A A A	29903
Pig	G A A - - - - - C T G T - - T G C T - - A C A T G T A T C A G C A G G G A T A A A T C - - - - - T C C A A A T A A T T A T G	27950

Majority	T A A T A T T T C A G A T A T A T T G A T T X G A A - - - - - A - - - T C T A T T X - - - G - A - - A A T T A A T T T C A T T C C T - - - -	
	41530 41540 41550 41560 41570 41580 41590 41600	
Human	C A T C T G G T G G G A G A T G T T G A T A A A G G - - - - - G G A G G C T A T T T G G G G C A G G A G G C A G G G A A A T C T C T C T G C	35980
PolarBear	T A A T A T T T C A G A T A T A T T G A A C T G A A - - - - - A - - - T A T A T T A - - - - - A - - A A T T A A T T T C A C T C C T - - - -	7467
Cow	T G C A A T G C A A G A G A C C C A G G T T C G A - - - - - T C C C T G G - - - - - G - - - - - T C G G C A A G A T C C - - - - -	33407
Dog	T A A T C T A T T G G A A A C A T T T A T A T A A - - - - - C - - - A G T A A T A - - - - - A C A G A G C C T C A G A G T T - - - -	32965
BelugaWhale	A G A A A T A C A A G G A A T C C A A A T T A G A A A A G A A G A A G T T A A A C T G T C A C T G T T T G C A G - A T G A C T T G A T A C T A T A C A T G G A T	29339
Donkey	T A A T A T T T C A G A T A T A T T G A G T T C A A - - - - - A T A T T G A - - - - - A A T T A A T T T C A C T C C T - - - -	35326
Cat	T A A T A T T T C A G A T A T A T T G A T C T A A A - - - - - A - - - T C T A T T C T T - A - A - A A T T A A T T T C A C T C C T - - - -	36525
Ferret	T A G T A T T T C A G A T A T A T T G A A C T G A A - - - - - A - - - T A T A T T A T T - A - A - A A T T A A T T T T A T T C C T - - - -	33636
Lion	T A A T A T T T C A G G T A T A T T G A T C T A A A - - - - - A - - - T C T A T T C T T - A - A - A A T T A A T T T C A C T C C T - - - -	34602
Vaquita	A G A A A T A A A A G G A A C C C A A A T T A G A A A A G A A G A A G T T A A A C T G T C A C T G T T T G C A G - A T G A C T T G A T A C T A T A C A T G G A T	29982
Pig	T G A A A G A T G G G G A A A A A G A A T A C A - - - - - T C T G T A T - - - - - G - A T T C A T T T A T A T A A A A C - - - - -	28000

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Majority	-- TXXTAXATATTG- - - - ATATGGTTAATAGAAAXATTTAAAXTTATXTGAC- - - - TTGCAGAAT- - - - - - - - - - - - - - - - - - -								
	41610	41620	41630	41640	41650	41660	41670	41680	
Human	TTTCCTCTCCATTTTGTGTGTACCTAAACTTACTCTGAAAAATGTCTTTGAAAATTTACTCAT- - - - - - - - - - - - - - - - - - - G- - - -								36045
PolarBear	-- TTTTACTTTTTG- - - - GTATGGTTAATAGAATATTTAAGATTATATGAC- - - - TTGCTGAAC- - - - - - - - - - - - - - - - - - -								7521
Cow	-- C- CTGGAGAAGG- - - - AAA- - - - TGGCAAATCAATCCAGTGTTCTTGCC- - - - - TGGAGAAT- - - - - - - - - - - - - - - - - - -								33455
Dog	-- CATTAAATAT- - - - - GTAAAACTAAAGAGAGAAACAAATCTATAATCA- - - - TTATTGGAT- - - - - - - - - - - - - - - - - - -								33017
BelugaWhale	AATCCTAAAGATGCCACCAGAAAAGTAGTAGAGCTAATCAATGAATTTGGTAAAGTTGCAGGATACAAAATTAAGCACA								29419
Donkey	-- TTTTACTTTTTG- - - - ATATGGTTACTAGAATATTTAAAGTT- - - - - GTGTC- - - - - TTTTCAGTCT- - - - - - - - - - - - - - - - - - -								35378
Cat	-- CATT- - - - TTTTG- - - - ACATGGTTAATGGAATATTTAAAATTACATGAC- - - - TTGCAGAAT- - - - - - - - - - - - - - - - - - -								36576
Ferret	-- TTTTACTCTTTG- - - - ATGTGGTTAATAGAATATTTAAGATTATGTGAT- - - - TTGCAGAAC- - - - - - - - - - - - - - - - - - -								33690
Lion	-- CATT- - - - TTTTG- - - - ACGTGGTTAATAGAATATTTAAAATTACATGAC- - - - TTGCAGAAT- - - - - - - - - - - - - - - - - - -								34653
Vaquita	AATCCTAAAGATGCCACCAGAAAAGTAGTAGAGCTAATCAATGAATTTGGTAAAGTTGCAGGATACAAAATTAAGCACA								30062
Pig	-- T- CTAG- GATAT- - - - - GCA- - - - - TGTTAAAGCAGACTGGTGG- - - - - TTGCT- - - - - - - - - - - - - - - - - - - TGG- - - - - - - - - - - - - - - - - - -								28040

Majority	- - - - - - - - - - - - - - - - - - - ATTTXCXT- - - - - - - - - - TTAGAC- - - - - XTTAGTGGTCTAAGAAG- TCCAAT								
	41690	41700	41710	41720	41730	41740	41750	41760	
Human	- - - - - - - - - - - - - - - - - - - CGCTTGCATTGCATTTCTT- - - - - - - - - - TTGGAT- - - - - ATTACTGGTCTAAGTAG- - - - - - - - - - - - - - - - - - - TCCAGT								36093
PolarBear	- - - - - - - - - - - - - - - - - - - ATTTCTT- - - - - - - - - - TTGGAC- - - - - ATTACTGATCTAAGAAT- - - - - - - - - - - - - - - - - - - TCCAAT								7557
Cow	- - - - - - - - - - - - - - - - - - - T- - - - - - - - - - - - - - - - - - - CCATG- - - - - - - - - - GACAGAG- - - - - GAGAGAAGCCTGGTGGG- - - - - CTATAGT- - - - - CCATGGGGT								33501
Dog	- - - - - - - - - - - - - - - - - - - ATTT- - - - - - - - - - - - - - - - - - - TAACA- - - - - GTAATTGATTTAACAG- - - - - - - - - - - - - - - - - - - TAAT								33046
BelugaWhale	GAAATCTCTTGCATTCTATGCACTAACAAAGAAAGATCAGAAAGAGAAATGAAGGAAACGATCCCGTTCACCATTGTAA								29499
Donkey	- - - - - - - - - - - - - - - - - - - TTT- - - - - - - - - - - - - - - - - - - TTGGAC- - - - - ACTACTGGTGTAGGAAA- - - - - - - - - - - - - - - - - - - TCCAAT								35410
Cat	- - - - - - - - - - - - - - - - - - - ATTTCCT- - - - - - - - - - GTGGAC- - - - - TTTAGTGGTCTAAGAAG- - - - - - - - - - - - - - - - - - - TCCAAT								36612
Ferret	- - - - - - - - - - - - - - - - - - - ATTTCTT- - - - - - - - - - TCAGAC- - - - - ATTACTGATCTAAGAAG- - - - - - - - - - - - - - - - - - - TCCAGT								33726
Lion	- - - - - - - - - - - - - - - - - - - ATTTCCT- - - - - - - - - - TTGGAC- - - - - ATTAGTGGTCTAAGAAG- - - - - - - - - - - - - - - - - - - TCCAAT								34689
Vaquita	GAAATCTCTTGCATTCTATGCACTAACAAAGAAAGATCAGAAAGAGAAATGAAGGAAACAATCCCGTTCACCATTGTAA								30142
Pig	- - - - - - - - - - - - - - - - - - - C- AT- - - - - - - - - - - - - - - ATAGAG- - - - - GTGGGAAGAATGG- - - - - - - - - - - - - - - - - - - GGGT								28066

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Majority	TAAAAGGCAX- - - - - GATTGTCAGACTGGA- - - TAAAAAGCAAGXGCTXACTXXA								
	41770	41780	41790	41800	41810	41820	41830	41840	
Human	TAAAAGACAA-	- - - - -	A-	- - - - -	GATTGTCAGACTTGA-	- - -	TAAAAAGCAAGGCCTAACTACA		36142
PolarBear	TAAAAGTCAG-	- - - - -	A-	- - - - -	GATTGTCAGACTGGG-	- - -	TAAAAAGCAAGACCTAACTGCA		7606
Cow	TGCAAAGAGT-	- - - - -	CA-	- - - - -	AACATGACT-	- - - - -	GAGTGACTAACACTTCACTTTC		33544
Dog	TGATAG-	- - - - -	- - - - -	- - - - -	GACAGTTAGATCT-	- - - - -	TAAATACATAGAGGGAGTTTT-		33087
BelugaWhale	TAAAAAGAATAAAATACCTAGGAATAAACCTATCTAAGGAGGTAAAAGACGTGTACTCAGAAAATAAAGACGCTGATG								29579
Donkey	TAAAAGGCAA-	- - - - -	A-	- - - - -	GATTGTGAAACTGGA-	- - -	TAAAAAGCAAGGCTTAACTTCA		35459
Cat	TAAAAGGCAA-	- - - - -	A-	- - - - -	GATTGTCAGACTGGA-	- - -	TAAAAAGCAAGGTCTGACTGCA		36661
Ferret	TAAAGG- CAG-	- - - - -	A-	- - - - -	GATTGTCAGACTGGA-	- - -	TTGTCAGACTGGTGCTAACTGTA		33774
Lion	TAAAAGGTAA-	- - - - -	A-	- - - - -	GATTGTCAGACTGGA-	- - -	TAAAAAGCAAGGTCTGACTGCA		34738
Vaquita	TGAAAAGAATAAAATACCTAGGAATAAACCTATCTAAGGAGGTAAAAGACGTGTACTCAGAAAATAAAGACGCTGATG								30222
Pig	GAGGAAGGGT-	- - - - -	CA-	- - - - -	TAAAAGACA-	- - - - -	AGGAAATTTGGGGTGATATGT		28109

Majority	XTATCTATXA- - - - - CTAGAGTCAGATTGAGGTATA- - - - - X- - - AGATAT- - - - -								
	41850	41860	41870	41880	41890	41900	41910	41920	
Human	CTGTCAAT- A-	- - - - -	CGAGGGTCAGGTAGAAATATC-	- - - - -	A-	- - - - -	AGATGC-	- - - - -	36179
PolarBear	GTACCTATTA-	- - - - -	CTAGAGTCAGACTGAGGTAAA-	- - - - -	- - - - -	A-	- - -	GGACAC-	7644
Cow	ACAGGAATA-	- - - - -	TTTCAGATATATTGAGTTAAA-	- - - - -	- - - - -	- - - - -	ATATATATC-	- - - - -	33583
Dog	- TTTTTTTTT-	- - - - -	TTTGAACAATGGTATACTTCT-	- - - - -	- - - - -	T-	- - -	CAGCTG-	33124
BelugaWhale	AAAGAAATCAAAGATGACACAAACAGATGGAGATATATACCATGTTCTTGGATTGGAAAAATCAATATTGTGAAAATGAC								29659
Donkey	CTGTCTGCTA-	- - - - -	CTAGAGTCAGATTGAAGTAAA-	- - - - -	A-	- - - - -	AGACAC-	- - - - -	35497
Cat	GTATCTT-	- - - - -	CTAGAGTCAGGTTGAAGTACA-	- - - - -	- - - - -	C-	- - -	AGAT-	36694
Ferret	GTACCTATTA-	- - - - -	CTAGAGTCAGACTGAGGTAGA-	- - - - -	- - - - -	A-	- - -	AGACAG-	33812
Lion	GTATTTT-	- - - - -	CTAGAGTCAGGTTGAAGTACA-	- - - - -	- - - - -	C-	- - -	AGAT-	34771
Vaquita	AAAGAAATCAAAGATGACACAAACAGATGGAGATATATACCATGTTCTTGGATTGGAAAAATCAATATTGTGAAAATGAC								30302
Pig	AAAAAGAT-	- - - - -	TCTCTGACG- GTGAAGGTTTA-	- - - - -	- - - - -	- - - - -	ATAGATGT-	- - - - -	28145

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Majority	----- AGATTGAAAGTAAAAAGGATGGAAAATAATATT- - - CTGTGCAAACAACAAGCACAAG	
	----- ----- ----- ----- ----- ----- -----	
	41930 41940 41950 41960 41970 41980 41990 42000	
Human	----- AGGTTGAAAGTAAAAAG- ATGGAAAATGATATT- - - CCGTGCAAACAGTAAGCACAAG	36233
PolarBear	----- AGACTGAAAGTAAAAAGGATGGAAAATAATATT- - - CTGTGTGGACAGCAAGCACAAG	7699
Cow	----- AAAGTTAATTTCACTTTCTTTAACTTCTCCATACGGTT- - - - - - - - - ACTAG	33626
Dog	----- GGCTTTAAACACTCTTTCCAGGGAGGAAACTATA- - - CCTTGCCTGCAG- AATTACATA	33178
BelugaWhale	TATACTACCCAAAGCAATCTACAGATTCAAGTACAACCCCTATCAAATTACCAATGGCATTTTTTTATAGAACGAGAACAAA	29739
Donkey	----- AGATTGAAAGTAAAAGGGATGGAAAATAATATT- - - CCATGCAAATAGTAGACACAAG	35552
Cat	----- AGGCTGAAAGTAAAGAGGATTGAAAATAATACT- - - CTGTGCAAACAACAAGCACAAG	36749
Ferret	----- AGAATGAAAGTAAAAAGGGTGAAGAAATGATAT- - - CTGTGCAAACAACAAGCACAAG	33866
Lion	----- AGGCTGAAAGTAAAGAGGATTGAAAATAATATT- - - CTGTGCAAACAACAAGCACAAG	34826
Vaquita	TATACTACCCAAAGCAATCTACAGATTCAAGTACAATCCCTATCAAATTACCAATGGCATTTTTTTATAGAACTAGAACAAA	30382
Pig	----- AACATACGTTAAACCTGTCAAATTGTACT- - - TT- - - - - - - - - ATATG	28185

Majority	AAAGTTGAX- TGATTATXTTAGCXTCAAXACAGX- - - TAGAATTCAAGAC- - - X- - - GGAGTATTACCAGATAX- - - -	
	----- ----- ----- ----- ----- -----	
	42010 42020 42030 42040 42050 42060 42070 42080	
Human	AAAGTTGATATGATTATATTA- - - CTAGACAGA- - - AAAATTTAAGAC- - - - - - - - AAATATTACCAGATAT- - - -	36291
PolarBear	AAAGTTGATCTGATTACATTAACCTCAGACAGAG- - TAGAATTCAAGAC- - - - - - - - GGAGTATTACCAGATAT- - - -	7763
Cow	AAACTTAA- - AA- - - GTATG- - - - - - - - - T GACTTATATATA- - - TTTTTTGGATATTAGTGG- - - - - -	33672
Dog	AACTTTGTCAAAGTGTACATAGCCGTTCCAGGGG- - TTTTATTATAGGAC- - - T- - - GACGTTATATCAGGACCA- - -	33245
BelugaWhale	AAATCTTA- - AAATTTCTATGGCGACACAGAAGACCCTGAATAGCCAAAGGAGTCTTGAGGGAAAAAAAGGGAGCTGGAG	29817
Donkey	AAGGTTAATGTGATTGATTAACATCAGATAG- - - TAGAATTCAAGACA- - - - - - - - AGAAATATTACCAGATA- - - -	35615
Cat	AAAGTTCATCTGATTATATTAGCCT- - - CAGAG- - TAAAATTCAAGAC- - - A- - - GGAGTATTACCAGATAT- - - -	36810
Ferret	AAAGTTGA- - GATTATTTTAACTTCAGTCAG- - - TAGAATTCAAGACC- - - A- - - GGAGTATTACCAGATGC- - - -	33927
Lion	AAAGTTCATCTGATTATATTAGCCT- - - CAGAG- - TAAAATTCAAGAC- - - A- - - GGAGTATTACCAGATAT- - - -	34887
Vaquita	AAATCTTA- - AAATTTCTATGGCGACACAGAAGACCCTGAATAGCCAAAGGAGTCTTGAGGGAAAAAAAGGGAGCTGGAG	30460
Pig	CAGCTTT- - - - - - - - TTATG- - - - - - - - - TGAATTGTGC- - - - - - - - CTCATAAAAAAGAAAAG- - - - - - -	28223

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Majority	----- T----- AAAAAAAGCATATTTTAT----- GTGXTXAAAGGG							
	42090	42100	42110	42120	42130	42140	42150	42160
Human	----- AAAAAAGCATATTTT CAC----- AATGTTGAAGGG 36320							
PolarBear	----- A----- AAAAAAAGCATATTTT CAT----- GTGTTTAAAGTG 7794							
Cow	----- T----- CT----- AAGAAGTTCAATTAA----- A----- AGACAAAAGTC 33701							
Dog	----- T----- TT----- AAAATAAACTCCCTGGAC----- TTTTTCAAATG 33278							
BelugaWhale	GAATCAGACTCGCTGACTTCAGACTAGACTACAAAGCTACAGTAATCAAGACAATATGGTACTGGCACAACAAAACAGAAGT 29897							
Donkey	----- GGAAAAAGCATATTGCATA----- GTGCTGAAAGGG 35646							
Cat	----- AAAAATACCATATTTTGT A----- GTGCTTAAAGGG 36841							
Ferret	----- T----- AAAAA- GCATCTTTTGT----- GTGTTTAAAGGG 33957							
Lion	----- AAAAATATCATATTTTGT A----- GTGCTTAAAGGG 34918							
Vaquita	GAATCAGACTTGCTGACT----- AGACTACAAAGCTACAGTAATCAAGACAATATGGTACTGGCACAACAAAACAGAAGT 30533							
Pig	----- C----- CT----- ACAGTGAATACTAT----- C----- AACATAGCA 28252							

Majority	TTAAT----- ATATTAGAAAACAC----- TTTGTACXXC- GTAATAACAGA- CT-----							
	42170	42180	42190	42200	42210	42220	42230	42240
Human	TCAGT----- TTATCAGAAAACAT----- TTCTTAATTTGTATGCCAATAATAACAAA----- 36368							
PolarBear	TTAAT----- ATATTAGAAAACA----- TTTGTATGTC- AGTAATACAGAGCT----- 7836							
Cow	ATAGT----- GGATTA AAAAGTAC----- TACCT----- AACT----- 33729							
Dog	TGCTG----- AAGTTGACAAATGG----- CCCATATATC- TAATTATAG----- 33316							
BelugaWhale	ATAAATCAATGGAACAGGATAGAAAGCCCAG- AGATAAACCCACGCACCTC- TGGTCAACTGATCTATGACAAAGGAGGC 29975							
Donkey	TCAAT----- ATTT CAGAAAACATAATATTTCTTAATTTGTATGCTAGTAATAACAGAACT----- 35702							
Cat	TTAAT----- ATATTGAAAACAC----- TTTATAC- CA- GTAATAACAGAGCT----- 36883							
Ferret	TTAAT----- ATATTGAAAACG----- TTTGTATACT- GTAATAACAGAACT----- 33999							
Lion	TTAAT----- ATATTGAAAACAC----- TTTATAC- CA- GTAATAACAGACCT----- 34960							
Vaquita	ATAAATCAATGGAACAGGATAGAAAGCCCAG- AGATAAACCCACGCACCTC- TGGTCAACTGATCTATGACAAAGGAGGC 30611							
Pig	AGAGA----- AGAACAAACAAGT----- CACTG----- GAC----- 28277							

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Majority	----- TCAAAGTTTATTAAAAAAT----- XTAAA								
	42250	42260	42270	42280	42290	42300	42310	42320	
Human	----- TCAAAGTATATTAAGAAAAACAT--- CACAGA								36397
PolarBear	----- TTAGAGTTCATTAATAAAC-----								7855
Cow	----- ACACTCTCTACTGCTGAA----- GTCAG								33752
Dog	----- TGGAATTTAAGTAGAAAT-----								33334
BelugaWhale	AAGGATATACAGTGGAGAAAAGATAGTCTCTTCAATAAGTGGTCTGGGAAAACCTGGACAGCTACATGTAAATGAATGAA								30055
Donkey	----- TCCGAGTACATTAAAAAAAT-- G--- ATAGA								35728
Cat	----- TCAAAGTTTATGACAAAATACAT--- GTATG								36911
Ferret	----- TTAGCATTCAATTAATATA-----								34018
Lion	----- TCAAAGTTTATGAAAAAATACAC--- GTATG								34988
Vaquita	AAGGATATACAGTGGAGAAAAGATAGTCTCTTCAATAAGTGGTCTGGGAAAACCTGGACAGCTACATGTAAATGAATGAA								30691
Pig	----- AGAAAATAAATTGCTAGAT----- GTTAA								28301

Majority	AXTAAAX----- ACAGAAATAAA----- TCTATAATCATAGTTGGATATTTTAAAXATTGAT-----								
	42330	42340	42350	42360	42370	42380	42390	42400	
Human	ACTAAG----- TAGAGAAACAAA-- AATCCACAATCATAGCCTGGTTTTTTAAAACATA-----								36449
PolarBear	-- TAAGG----- AGAGAAACAAG--- TCTGTAATCATTGTTGGATATTTTAAACATTAATT-----								7905
Cow	GTTAAA----- GTACAGAGAT-- A----- CAGATTGGAAA-- ATATTTTCATGC- AGATAGTA---								33799
Dog	-- CAAAA----- ACAGTAAGAAA--- TCTAGGAA- ATGACCAAATATTTAGAAATTGAAC-----								33383
BelugaWhale	ATTAGAACACTCCCTAACACCATACACAAAAATAAATTCAAATGGATTAGAGACCTAAATGTAAGGCCAGGCACTATAA								30135
Donkey	ACTAAAG----- AGAGAAACAGA-- AATCTGCAATCATAGTTGGATATTTTAAACATTCT-----								35781
Cat	TGTGAAGT----- T-- AAAGAGAGAAACCAGTCTATAATCATTGTTGGATATTTTAAACATT-----								36965
Ferret	-- TAAAGC----- C-- AAAGAGAAAAA--- TCTATAATCATTGTTGGATATTTTAAAATTAGTT-----								34070
Lion	TGTAAAAC----- T-- AAAGAGAGAAACCAGTCTATAATCATTGTTGGATATTTTAAACATT-----								35042
Vaquita	ATTAGAACACTCCCTAACACCATACACAAAAATAAATTCAAATGGATTAGAGACGTAATGTAAGGCCAGGCACTATAA								30771
Pig	ACTGAA----- ACACAAA- AT-- G----- TAAATTAGCTA-- A- ACTTAACGT- AGTCT-----								28343

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Majority	----- AATATAXXAG-----								
	42410	42420	42430	42440	42450	42460	42470	42480	
Human	----- ATTTATGG-----								36457
PolarBear	----- GATTTAACAG-----								7915
Cow	----- AGCACAGGAAA----- G----- T----- T-----								33813
Dog	----- CTTGCATAAT-----								33393
BelugaWhale	AACTCGTAGAGGAAAACGTAGGAACAACACTCTTTGACATAAATCAAAGCAAGATCTTCTTTGATCCACCTCCTAGAGTA								30215
Donkey	----- CACAA-----								35786
Cat	----- TCTTACAG-----								36973
Ferret	----- GATTTAACAG-----								34080
Lion	----- TCTTATAG-----								35050
Vaquita	AACTCGTAGAGGAAAACGTAGGAACAACACTCTTTGACATAAATCAAAGCAAGATCTTCTTTGATCCACCTCCTAGAGTA								30851
Pig	----- AATACAG-----								28350

Majority	----- TAATTGATAGGACA----- AGATCTT----- TAA								
	42490	42500	42510	42520	42530	42540	42550	42560	
Human	----- CAATTGATAGGATAGTA----- C----- AGTCCT----- AGCCCCCA								36489
PolarBear	----- TAACCGATAGGACAGTT----- AGATCTT----- TAA								7942
Cow	----- TGTGTAATTG----- TATTG----- ACA----- TCA								33834
Dog	----- GTCCCGAACGAACA----- AGTTGTT----- TGT								33417
BelugaWhale	ATGGAAATAAAAACCAGAATAAACAAATGGGACCTAATGAAACTTAAAAGCTTTTGCAAAGCAAAGGAAACTACAAACAA								30295
Donkey	----- TAATTGATAGGACAATT----- AGATCTTT----- AAA								35814
Cat	----- TAATTGATAAGACA----- GATCTT----- TAA								36996
Ferret	----- TAATTGATAGGACAATT----- AGATCTT----- TAA								34107
Lion	----- TAATTGATAAGACA----- GATCTT----- TAA								35073
Vaquita	ATGGAAATAAAAACCAGAATAAACAAATGGGACCTAATGAAACTTAAAAGCTTTTGCAAAGCAAAGGAAACTACAAACAA								30931
Pig	----- TGACCACTAG----- TTTT-----								28364

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Majority	AATAAATA- X- XXA- - ATTXGAACAGXGXT- AACAT- - - - - A- - - - - C- - - TGGGXTTAACTCATATTXAGA	
	42570 42580 42590 42600 42610 42620 42630 42640	
Human	AATAAAAAGATACATAATTTGAAAAGTGCT- ATCAT- - G- - - - - TTGGCTTAACTCACATTTATA	36546
PolarBear	AATATTTT- - - - - TTTAAACAATGT- - - CCTTC- - - - A- - - - - GC- - - TGGGCTTAAATTCATATTCAGG	7991
Cow	GATGAATT- GGAA- - - TTCAAGACAAGG- - - AGTAT- - - - C- - - - - AGTTGTATTGGTA- TAAAA	33882
Dog	TGTAAATT- - - - - ACAAGGA- - - - - AGATATCACG- ATATA- AGG	33450
BelugaWhale	GATGAAAA- GACAACCCTCAGAATGGGAGAAAATATTTGCAAATGAATCAGTGGACAAAGGATTAATCTCCAAAATATGT	30374
Donkey	AAAAAGTACATAGAAGATTTGAACAGTCCTGTCAAT- - - - - CAGCTTGGCTTAAATTGACATTTATA	35875
Cat	AATAAATA- - - - GAGGATTTGAACAGTGCTGAACATT- - - - CA- - - - - GC- - - TGGGCTTAACTCACATTCACA	37054
Ferret	AATAGGTACATAGAGAGTTTGAACAGTGTTGTCTTT- - - - A- - - - - GC- - - TGGACTTAACTCATATTCAGG	34168
Lion	AATAAATA- - - - GAGGATTACAA- AGCTGTCATCATCAAGACA- - - - - GCA- - TGGTATTGGCATAAAAACAGA	35135
Vaquita	GATGAAAA- GACAACCCTCAGAATGGGAGAAAATATTTGCAAATGAATCAGTGGACAAAGGATTAATCTCCAAAATATGT	31010
Pig	- ATGAG- - - GCCA- - - TTGAGCATGTGG- - - AATGT- - - - A- - - - - ACTACTCCTAATAGTAAGT	28410

Majority	AAACTXTACCCT- - - - - AAXTTCA- - - GAATAACTX- TCAAGTGXACATAGAAXC- - AA- - - - - AATXAAATXXCT-	
	42650 42660 42670 42680 42690 42700 42710 42720	
Human	AAACTATACCCAG- - - - TAACTGTA- - - AAATAACT- - TCAAGTGTACATAGAACATTCAC- - - - - AATGATAGACCT-	36610
PolarBear	AAACTACAACCT- - - - - GACTTCA- - - GAATAACTTTTCAAGTGTACATAGCACC- - AT- - - - - GATAGACTGACT-	8052
Cow	AGACATATTT- - - - - CTTAGTGTCA- - - - - A- AA- - - - - GGGTCAATATATTGG- - - AA- - - - - AACACGTTCT-	33934
Dog	GAATATTTTCT- - - - - GATT- - - - - GAATAA- - - - - AAGTGAAAATA- TATC- - AA- - - - - AATTTGATGGCT-	33501
BelugaWhale	AAACAGCTTAAGCAGCTCAATATTAGAAAAATAAACAACCTAATCAAAAAATGGGCAGAAGACCTAAATAGACATTTCTC	30454
Donkey	AAACTTTACCTAA- - - - TAACTGCA- - - GAATAACTTTTCAAGTGTACATAGAATATTTAC- - - - - CATGAGACCA- - -	35939
Cat	AAACTATACCCT- - - - - AACTGCA- - - GAAAAACTTCTCAAGTGTATATAGCACC- - AT- - - - - GATCGACTA- - -	37112
Ferret	AAACTGTACCCT- - - - - GACTTCA- - - GAATAACTTTTCAAGTGTACATAGCACT- - GT- - - - - GATAGACTGTCT-	34229
Lion	CACATAGACCAATG- - - GAATAGAA- - - TAGAAACCCCAGAACTAGACCACAAACGTAT- - - - - GGCCAACTCA- T-	35200
Vaquita	AAACAGCTTAAGCAGCTCAATATTAGAAAAATAAACAACCTAATCAAAAAATGGGCAGAAGACCTAAATTGACATTTCTC	31090
Pig	AAATGGGTGT- - - - - TTCAAAGACA- - - - - T- AG- - - - - TAACAAAGAAATAGG- - - AA- - - - - TGTAAGATACCT-	28462

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Majority	----- TATTTTAGAXCATAAAATAA-----								
	42730	42740	42750	42760	42770	42780	42790	42800	
Human	----- TATATTGGATTATAAAATAA-----								36630
PolarBear	----- A---TATATTAGGACATAAAATAG-----								8073
Cow	----- TAATCTGTATATTAGTAATAA-----								33955
Dog	----- G---TAATGCAAGGGA-AATACAT-----								33521
BelugaWhale	CAAAGAAGACATACAGATGGCCAAGAAGCACGTGAAAACCTACTCAACATCACTAATTATTAGAGAAATGCAAATCAAAG								30534
Donkey	----- TATACTAGGACATAAAATAA-----								35959
Cat	----- TATATTAGGGCATAAAATAA-----								37132
Ferret	----- A---TATTTTAGGACATAAAATAA-----								34250
Lion	----- C---TTTGACAAAGCAGGAAAGAA-----								35221
Vaquita	CAAAGAAGACATACAGATGGCCAAGAAGCACATGAAAACCTACTCAACATCACTAATTATTAGAGAAATGCAAATCAAAG								31170
Pig	----- CTTTTTTTAAATATTGATTGT-----								28484

Majority	----- CTXAATAGATTTCAAATGAXTGAAA----- GCXAATATAGCA-----								
	42810	42820	42830	42840	42850	42860	42870	42880	
Human	----- CTCAATAAATTTCAAATGATTGACA----- GCTAATGTATCT-----								36667
PolarBear	----- CTCAATAGATTTCAAATGGCTGAAAA----- GCTCATATAGTA-----								8111
Cow	---CAGTTCAAGAACATTTTAAAAATGACAAA----- AAGAGAAATCTA-----								33996
Dog	-T-----TAGGGGGGAAGAAAAATGTTGGAAGA----- GCAAACGT-----								33556
BelugaWhale	CTACAGTGAGGTATCACCTCAGACTAGTTAGAAGGGGCATCATCAGAAAATCTACAAACAACAATGCTGGAGAGGGTGT								30614
Donkey	----- CTCAATAAATCTCAAATGATTGAAC----- TCTCATATAGCA-----								35996
Cat	----- TAGATTTCAAATGACTGAAA----- GCTTATATAGTA-----								37164
Ferret	-A-----CTCAATAGATTTCAAATGGCTGAGA----- GCTCATGTAGTA-----								34288
Lion	----- CATCCAATGGAAAAAGACA----- GTCTCTTTAACA-----								35253
Vaquita	CTACAGTGAGGTATCACCTCGGACTAGTTAGAAGGGGCATCATCAGAAAATCTACCAACAACA- -TGCTGGAGAGGGTGT								31248
Pig	---CGATATGGTAATATTTTCAGATATATTAGA----- TTAAAATATAT-----								28524

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Majority	----- TCTGATTXTAGT-----								
	42890	42900	42910	42920	42930	42940	42950	42960	
Human	----- G----- ACTGACTATAGT-----								36680
PolarBear	----- TCTGATTATAGT-----								8123
Cow	----- CAATTTT-----								34003
Dog	----- TTTGGTCTTCCT-----								33568
BelugaWhale	GGAGAAAAGGGAACCCCTTTTGCAC TGTGGTGGGAATGTAGATTGATACAGCCACTATGGAGAACAGTATGGAGGTTTCCT								30694
Donkey	----- CCTGATTATAGT-----								36008
Cat	----- TCTGATCATAGT-----								37176
Ferret	----- TCTGATTATAGT-----								34300
Lion	----- AATGGTGCTGGG-----								35265
Vaquita	GGAGAAAAGGGAACCCCTTTTGCAC TGTGGTGGGAATGTAGATTGGTACAGCCACTATGGAGAACAGTATGGAGGTTTCCT								31328
Pig	----- TATTATT-----								28531

Majority	--- AAAATTAAXTAGGAA----- TCXAAAAGTGX----- XC----- AA----- TCTAXGA								
	42970	42980	42990	43000	43010	43020	43030	43040	
Human	--- GGAATTAATTAGAAA----- TCAAAAATAGA----- CA----- TCTAGGA								36716
PolarBear	--- GGAATTTAAGTAGAAC----- TCAAAAACAGAAA----- TCTAAGA								8159
Cow	--- AAATTTAAAAGTGGAC----- ATTTTAATATTG----- TTCATAGTAA----- T- CAAGA								34047
Dog	--- AATATCCATGTA----- TAGAAGCTG----- CTTATA								33595
BelugaWhale	TAAAAAACTAAAAGCAGAATTAACATATGACCCAGCAGTCCCCTACTGGGCGTATATCCAGAGAAACCATAATTCAGAA								30774
Donkey	--- GAAATTTAATTAGAAA----- TCCAAAACAG----- T----- ATGAAA----- TCTAGGA								36048
Cat	--- AGAATTTAAGTAAGAATCACCAAAT----- ATTTGAAAATTGAAC----- TACACAA----- TTCTGAA								37230
Ferret	--- GAAATTTAAGTAGGAA----- TCAAAAACAGTAA----- G----- GGA----- TCTGAGA								34340
Lion	--- AGAACT- GGACAGCAACATGCAGAA----- GGTTGAAAAGTACCCTT- TCTCACACCA----- TTCACAA								35325
Vaquita	TAAAAAACTAAAAGCAGAATTACCATATGACCCAGCAGTCCCCTACTGGGCGTATATCCAGAGAAACCATAATTCAGAA								31408
Pig	--- AAAATTAATTTAGGG----- AGTTCTCTGATG----- GCCTAGCGGG----- T- TGAGG								28575

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Majority	AAATACA- - - - - AAATATTX- - - - - AGAAATTTTACTA- - - - - T GAAA- - XCCTGAAXAXXA- T- - - -								
	43050	43060	43070	43080	43090	43100	43110	43120	
Human	AAGTACT- - - - -	AAATATT- - - - -	AGAAATTACACAA- - - - -				TCGTGAACAATACA- - - - -		36757
PolarBear	AATTACC- - - - -	AAATA- TTT- - - - -	AGAAATTGAACTA- - - - -			CGTAA- - TTCTGAACATGA- - - - -			8204
Cow	AGACAAAT- - - - -		CAATCTTAAAATATA- - - - -		CATAGAAG- - ATTTGAACAG- - - T- - - -				34089
Dog	TCTTAGA- - - - -	AAAAA- - - - -	AAAAGTTTTTCCC- - - - -		T- - - - -	CCCTCAAGAAAA- - - - -			33633
BelugaWhale	AGACACATGTA	CTTCAGTGT	TGACTGCAGCACTATTTTACAATAGCCAGGTCATGGAAGCAACCTAAATGCCCATCGACA						30854
Donkey	AATAACT- - - - -	AAATATTT- - - - -	AGAAATTGAGCTA- - - - -			CACAATTCCTTTTTTTTTTTT- - - - -			36096
Cat	TAATACA- - - -	TGAAGATATAAA- - - - -	GGGCATCTGACTGAATGAA- - - - -		AAGTGAAA- - ATATAATAAAATTTG- - - -				37291
Ferret	AATTACC- - - - -	AAATAATTT- - - - -	AGAAATTGAACTA- - - - -		TGTAA- - TTCTGAACAATACA- - - -				34388
Lion	AAATAAAC- - -	TCAAAATGGATA- - - - -	AAGGACCTGAATG- - TGAG- - -		ACAGGAAA- - CCATCAAAACCTTAG- - - -				35385
Vaquita	AGACACATGTA	CTTCAGTGT	TGACTGCAGCACTATTTTACAATAGCCAGGTCATGGAAGCAACCTAAATGCCCATCAACA						31488
Pig	CTCCTG- - - - -		CGTTCTCAC- - - - -		CGCTGTGG- - CTCTGGTTGC- - - T- - - -				28609

Majority	- - - - - XGGXTAAAGAAAGTGTXTX- - - - - X- XC- - - - - X- - - T- - - -								
	43130	43140	43150	43160	43170	43180	43190	43200	
Human	- - - - - TGGATTATAGAAGTGT	TACCA- - - - -			CAA- - - - -				36781
PolarBear	- - - - - ATTAAGGAAAATACAAGGG-							T- - - -	8224
Cow	- - - - - G- - CTGTTG-				GCTCGGC- - - - -		TTAACT- - - -		34109
Dog	- - - - - GGAAAAGAAAAC	TACAATC-							33652
BelugaWhale	GACAAATGGGTAAAGAAGATGTGGTACATATATAGAATGAAATATTACTCAGCCATAAAAAGGAACAAAATTGGGTCGTT								30934
Donkey	- - - - - GGT- - AAGATTTT	GTT- - - - -							36110
Cat	- TTGGCTCATTTGAGAAAGTACATGGGGA-				AAATGTCTAT- - - - -		GTATATACCCATAT- - - -		37343
Ferret	- - - - - T GACTTAAGAAAGTATAAGG-								34408
Lion	- AGGAGAAAGCAGGAAAAGACCTCTCTGA-				CCTCAGCCGT- - - - -		AGCAATCTCTTACT- - - -		35437
Vaquita	GACAAATGGGTAAAGAAGATGTGGTACATATATAGAATGAAATATTACTCAGCCATAAAAAGGAACAAAATTGGGTCGTT								31568
Pig	- - - - - G- - CTGTG-				CGGC- - - - -		GTAGGT- - - -		28625

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Majority	----- X- TATATXTXTAAXTG----- AATXGAAGT----- A----- AAAAT-----								
	43210	43220	43230	43240	43250	43260	43270	43280	
Human	GGACATATTTTGGACTG			AATGAAAATATATCAAAATTTGTTGGATACTACCC				AAG	36836
PolarBear	GGGTATCTTTATGACTG			AATAAAAGT		G	AAAAT		8256
Cow	TATATTTATAAAAC			AT- GCAGTAA			CTGAAGAAT	AA	34143
Dog	AATGCCATAGTTA			TCAGGAAGG		A	ATGAT		33680
BelugaWhale	TGTAGAGACATGGATGGATCTAGAGACT			CATACAGAGTGAAGTAAATCAGAAAGT			GAAAAACAGATATCGTATAAACG		31012
Donkey	TTTCCTCCTTCTCC			CCAAAGC		T	CCCCAGTAC		36141
Cat	TAGAAAATACCTACTTT			AGAAAAAGC		T	TTAGAGG		37377
Ferret	TATCTTTCTGATTG			AATAAAAGT		G	AAAAT		34437
Lion	CGGCACATCCCCAAAGG			CAAGGGAAT		T	AAAAGCA		35471
Vaquita	TGTAGAGACGTGGATGGATCTAGAGACTGT			CATACAGAGTGAAGTAAATCAGAAAGT			GAAAAACAGATATCGTATAAACG		31648
Pig	TCAATCCCTGGCCC			AG- GAATT			CCCACATAC	TG	28657

Majority	---- TG- ATGGCAXAAATAGT----- AT-- A- A- AATAAXTGTAAXGXAAACAAGXAXAXAAAGG-----								
	43290	43300	43310	43320	43330	43340	43350	43360	
Human	GGTGTGTATGGTGAAAAGTAT			GTCTTCAAATACCTATATTACAAAAAAGGTTTAAAACCTCC				C	36899
PolarBear	ATATCACAATTTGT			TGGCTGTAATGCAAGAAAGTACCTGAGGG					8299
Cow	CTTTTTAAGCCAATATAGG			ATATTCAACATGATTTTA			AAATAACTTACAGTAAATTT		C 34201
Dog	ATGATGCAAGTAG			GTAGAGGAAACCACTACAGATCGG					33717
BelugaWhale	CATTTGCAGGGCAGAAATAGAGACACAGATGT			AGAGAACAACATATGGACAACAAGGGGAGAAACTGGTGGAGTGGTGC					31092
Donkey	ATAGTTGTATATAT			T		T	TAGTTGTGAGTCCTTCTAGTTGTGGT		36183
Cat	TGCCTGAGTGGCTCAGTCAGT			TAAGCATCAAACCTCTTGATTT			CGGCTCAGGTCAGGATCTCATGGTTCGGGAGTTCAA		37455
Ferret	ATATCAAATTTGT			TGGCTGTAATGCAAGAAAGTACATGGGGG					34481
Lion	AAAGTGAATTACTGGGACCTTA			TGAAGATAAAAAGCTTCTGCACAGCAAAGGAAACAACCAACAAAACCTAAAAGGCAAC					35550
Vaquita	CATTTGCAGGGCAGAAATAGAGACACAGATGT			AGAGAACAACGATGGACAACAAGGGGAGAAAGTGGTGGAGTGGTGC					31728
Pig	CCTGTGTGGCAAAAAAGAA			AAAAAAAAAAAAAATACA			AAAAAACAAAAAAAAAAAA		28711

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Majority	----- AAXATXAGATTACAC----- XX- -X- -X- -X- -A----- X-----								
	43370	43380	43390	43400	43410	43420	43430	43440	
Human	----- AATTTAAGACTGACC----- AAG----- G-----								36918
PolarBear	----- AAAATATGTCTACAC----- C-----								8315
Cow	----- AAATGATAGA- - AAGCTGCTTCTCATTATCCTAGGAG----- TTAAC----- T								34242
Dog	----- AGAAAGGGAATAGA-----								33731
BelugaWhale	TGGTAGGAT- GAATTGGGAGATTGGGATTGACATGTATACACTAATATGTATAAAATGGATAACTAATAAGAACCTGCTG								31171
Donkey	----- ACATGGGATGCTTCCCC-----								36200
Cat	GCCTTGTGTCAGGTTCTACGTTGACAGTGTGGATGGAGCTTGCTTGAGATTCTCTCTCTCCCTGTCTGTCTGCCCTCTG								37535
Ferret	----- AAAATATGTCTACAC----- C-----								34497
Lion	CAACGGAATGGGAAAAGATATTTACAA- - ATGACACA- - TCGACAAAGGGCTAGTATCCAAAATCTATAAAGAGCTCAC								35626
Vaquita	TGGTAGGAT- GAATTGGGAGATTGGGATTGACATGTATACACTAATATGTATAAAATGGATAACTAATAAGAACCTGCTG								31807
Pig	----- AAAAGAGAGA- - GAACCTGAAATAAACGTTGCAACTC----- TCATT----- T								28752

Majority	-- X- - AXAAAACTTAAATTCACXAX- XT- X- AXTX- ATGCXXATATTAXTACTAAAAATTTA- - - - ATTATGCXXX								
	43450	43460	43470	43480	43490	43500	43510	43520	
Human	----- AAAAAGACATAAATTACCAATACTGGAAATCAAGGTCGAGATAATCACTTTCAGAGAAAGTGGATATATGCAGA								36992
PolarBear	----- TATATACGTATATTAGAAA----- ATGCTTATATTAGAA- - AAAAGTTTA- - - - ATAATCCT- -								8367
Cow	AGAA- - ATAAAAAC- AGTAAGAAATC- TAGGAAATTACCAATATTTAGAAATTTCCATAATTCTGTACAGCACATGAT								34318
Dog	----- AAAGTTGACT----- GCCAGTATCAATA- - GTAGAGTTAC- - - - GTTA- - - -								33769
BelugaWhale	AAATTCAAAAAAATTAAGTTCACTCC- CTTTTACTTTTTG- - ATGTGGTACTAGAATACTTAA- - AATTTATGTGGC								31245
Donkey	----- A- - GCATGGCCCGGTCCA----- CGACCAGGATTTGAACCGCTGAAACCC----- TGGGCTGC								36251
Cat	CTGCTTGTACATATGTATACTCTCCTT- GTCTCTCTC- AAATAAGCATTTTTT- TAAAAAGTTTC- - - - ATCAGTCAAG								37607
Ferret	----- TATATACTTATATTAGAAA----- AGGCTTATATTAGGC- - AAAAAGTTTA- - - - ATAATCCTCT								34551
Lion	CAAACCTCCACACCCGAAAAACAAATAA- CCCAGTGAAGAAATGGGCAGAAAACATGAATAGACAC- - - - TTC- - TCTAA								35698
Vaquita	AAATTCAAAAAAATTAAGTTCACTCC- CTTTTACTTTTTG- - ATGTGGTACTAGAATACTTAA- - AATTTATGTGGC								31881
Pig	AAAA- - AAAAAAATT- AATTTCACTCC- TTTTTACTTTCTG- - GTATGGTACTACAATATTTA- - - AAATTATATGAT								28822

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Majority	TTATXATATXTATATTA- - - TGAATA- TCAGGAATXXAAGAAGXGXTATCAA- - TAC- - AAXATCXTACAGAATATTAAT								
	43530	43540	43550	43560	43570	43580	43590	43600	
Human	GTATAATA-	GTATAACA-	- - TAAATAATATAAAGTGGAGATAGCACTTTCAATAAAAAGCAGAGATATATAGAAT-	ATAAT	37067				
PolarBear	- - ATCAGAACTATAATG-	- - CCAATA-	TCAGGAATGAAAGTAGAGGTACCAG-	TAC-	- - GGATCCTACAGAATGTTAAT	8436			
Cow	TCATAGGATATTTCTGACAGTGAAAA-	TGAAAACATAACAAAATTGTATTTCTTG-	- GAATATAGAAGAAAATATAGAA	34395					
Dog	- - GTTAGTAGTAT-	- - - - - CAGGTA-	CCAGTAA-	GCAGGAGGGTTACCAACCTAT-	- - AGATCCTACAGAATGTTAAT	33834			
BelugaWhale	TTTTAGTATGTTTCTTT-	- - TGGACA-	TTTGTAGTCTAAGAAGTCCAGTTAAAAGGCCAAAGAATATCATACTGGATTAAA	31321					
Donkey	TGAAGCAGAGCGTGCGAACTTAACCA-	CTCGGCCACGGGGCCGGCCCCTGAAC-	TACACAATTCTGAACAACACATGAAT	36329					
Cat	AAAAGAAAGCTATATTA-	- - CCAATA-	TCAGGAATGAAAGTAGAGGTACCAC-	TAC-	- - AGATCCTACAGAA-	CTAAC	37676		
Ferret	- - GTCAAACTATAATA-	- - CTGATA-	TCAGGAATGAAAGTAGAGGTACCAG-	TAC-	- - AGATCCTACAGAATATTAAT	34620			
Lion	AGAAGACATCCGGATGG-	- - CCAA-	- - - CAGGCACATGAAAAGATGTTCAAC-	GTC-	- - GCTCCTTATCAGG-	GAAAT	35764		
Vaquita	TTTTAGTATGTTTCTTT-	- - TGGACA-	TTTGTAGTCTAAGAAGTCCAGTTAAAAGGCCAAAGAATATCATACTGGATTAAA	31957					
Pig	CTGCGGTATCTTTCTTT-	- - TGAACA-	TTCGTAGTCTAAGAAGTCTATTAGGAGGCAGAAAATGTCAGACTGTATTAAA	28898					

Majority	AGG- AAAATAAGACAATAXTACAAACTGCAG- - - TAATGCCAXTAAATT- CAGCAACTTAXGTGAAAAAGATAAAAXCC								
	43610	43620	43630	43640	43650	43660	43670	43680	
Human	AGG- AAAATAAGTCAATATTAGTAATGTTGT-	- - - TAAGGCTAACAAATT-	CAGCAACTTAGATGAAAAGTTTCTTGACA	37141					
PolarBear	AGG- AAAATAAGGCAATATTACAAACGGCAG-	- - - TAATGCCAATAAATT-	CAGCAACTTAGGTGAAATAGACAAAATCC	8510					
Cow	ATATTCACCATCACCTCCAAGAAGTGCCTGGGGGAAATAGT	TTTGTACCTATATTAGATACTTATCTCTTATCTACC	34475						
Dog	GGGGAAAATGAGACAATGTTACAAACAGCAAGCAGTAATGCCAATAGTTT-	CACCAACTTAGGTGAAATAGACAAAATCC	33913						
BelugaWhale	AAGTAAGACCTAATTACGCTGTCTACTGCTGTCGTCAGG-	- - - TTGAAGTACAGAGACACAAGTTGAAAG-	TAAAAGGG	31395					
Donkey	CAA- GATATAAGGGCATATTTCTGACTGAATG-	- - AAAATATATCAAATTTGTTAACTGCAACCCAAGAAATGGAGAGA	36405						
Cat	AGG- AAAATAAGGCAGTACCACAAAGAGTAG-	- - - TAATGCCAATAAATT-	CAGCAACTTAGGTGATATAGACAAGATCC	37750					
Ferret	AGG- AAAATAAGGCAATATTACAAGCGGCAA-	- - - CAATGCCAATAAATT-	CAGCAACTTAGGTGAAATAGACAAAATCC	34694					
Lion	AC- - AAATCAAACCACACT-	CAGATACCACC-	- - - TCACGCCAGTCAG-	- - - AGTGGCCAAAATGAAGAAATCAGGAGAC	35834				
Vaquita	AAGTAAGACCTAATTACGGTGTCCACTGCTGTCGTCAGG-	- - - TTGAAGTACAGAGACACAAGTTGAAAG-	TAAAAGGG	32031					
Pig	AAGCAATACCGAACTACACTGTCCAGTGTCTAGTCAGACTGCTTGAAGTACAGAGACACAATGAAAG-	TAAAAGGG	28976						

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Majority	TTXAGAAACCTTATTTXAXG- - A- - - - X- - - - - AAGAAAAXTGATATXA- - - - - ATACTATTACTXCCATAXXAAAT								
	43690	43700	43710	43720	43730	43740	43750	43760	
Human	AATGCAAAACTGACTTAAGTATATAGCT- - - - - TAACAGCTATATACT- - - - - ACTGTATTATACAAATTGGAATT								37207
PolarBear	TTCAGAAACCTAATT- - - - - TATCAAAAAGTGACAT- - - - - AAATACTACT- CCATAATATAT								8562
Cow	TTTGTGGCTCTATGAGCTTAAAAATATTA- - AAAAAATAATGGTTTGAA- - - - - ATTCCTTTTCGAGAA- AGA- AAAGT								34546
Dog	TTCATAAACCTAATTATAATTAACCCCCC- - CCAAGAGAAGTACAAACCTTACAAAAAACTATTACT- CCATAA- - AAT								33988
BelugaWhale	ATGGAGAATAATATTTACGCAAACAGTAAGCACAAAGAAAGTTGATGTGA- - - - - TTGTATTAACATCAGATGAAGT								31467
Donkey	GAGAGAAA- AATATGT- - - - - CTATACCTATATTA- - - - - GATACATTTATACCTATATTAGAA								36458
Cat	TTCACAAACCTAACTTAGCA- - - - - AAACACTGACAT- - - - - AAATACTACT- CCATAATATAT								37804
Ferret	TTTAGAAACCTAATT- - - - - TATCAAAAAGTGATAT- - - - - AAA- - - - - CT- CCATAATAAAT								34740
Lion	TATAGATGCTGGAGAGGATGT- - - - - GGAGAAACAGGAAC- - - - - CCTCTTGCCTGTTGGTGGGAAT								35892
Vaquita	ATGGAAAATAATATTTACGCAAACAGTAAGCACAAAGAAAGTTGATGTGA- - - - - TTGTATTAACATCAGATGAAGT								32103
Pig	ATGGAAAATAATATTCATGCGAAGAGTAA- - ATAAGAAAGGTGGTATGA- - - - - TCGTGTAAACAT- AGATAAAGT								29045

Majority	ACAAATTAXGTCTATGACTATTATXAAAAATAAAATGG- - AAATTTCTTTCAGXCAGAAAGA- TC- AGATATXGGAAAX-								
	43770	43780	43790	43800	43810	43820	43830	43840	
Human	TATAATTAAAA- AAATCTTTCCACAAAGATTACTCTAGTCATAGATGGTTTCACTATTGAATTTTATGAAATTTTAAAGG								37286
PolarBear	ACAGATTAGCTCTATGTCTATTATAAAAAATAAACTTA- - AAATTTTTC- CACAAAGA- - - - -								8617
Cow	GAGAGTGAAGTCACTCAGTCATGTCCGACCCTTAGCGACCCCATGGACTGCAGCCTACCAGGCTC- CTGTGTCCATGGGA								34625
Dog	ACAGATTATGTCTGTGTCCATTATAAAAAATCAGATTTA- - TAATTTTTTTCATCCACCAAAG- - - - - A- - - - T- - - - -								34050
BelugaWhale	AGAATTCAAGACAAGGAGTATTACCGGGTATAAAAAGG- CATATTTCTTAGGGTC- GAAAGAGTCAATATATTGGAAAAT								31545
Donkey	AGAAGGAAGGTTTAAACTCCTATCAAGAAAAGAAAGGAAACGTAAATTACCAATATTGGGA- - - - - G- - - - -								36521
Cat	ACAGATTAGCTCTATGTCTATTATAAAAAATTAGATTAG- - TAATCTTCT- CACAAAGATGACTCC- AGGCATAGGTGATT								37880
Ferret	ACAGATTAGCTCTGTGTCTTTTATAAAAAATTGAACTTA- - AAATTTTCTC- CATGAAGGGACGCCT- GGGTGGCTCAGTTG								34816
Lion	GCAAATTGG- - - TGCAGCCGCTCTGGAAAGCAGTGTGG- - - AGGTTCTC- CAGAAAATTAATAAAT- AGACCTACCCTAT-								35963
Vaquita	AGAATTCAAGACAAGGAGTATTACCGGGTATAAAAAGG- CATATTTCTTAGGGTC- GAAAGAGTCAATATATTGGAAAAT								32181
Pig	AAGAGTTGAGACAAGGAGTATAACCAGGTATAAAAAGGTTTATTTCTTAGTGCCTCAAAGAACCACTATATCGGAAAAC								29125

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Majority	- - - ACAXTXXTTAATTTAGATATTAG- ATXAACAATTTCAAXGTACAGTTTAAGAAA- - ACAAAA- - - XATAGGAX- - - C								
	43850	43860	43870	43880	43890	43900	43910	43920	
Human	A	A	A	A	A	A	A	A	37366
PolarBear	-	-	-	-	-	-	-	-	8649
Cow	T	-	T	C	C	A	G	G	34696
Dog	-	-	-	-	-	-	-	-	34088
BelugaWhale	A	T	A	A	C	A	A	A	31623
Donkey	-	-	-	-	-	-	-	-	36575
Cat	T	C	A	C	T	C	A	T	37951
Ferret	-	G	T	T	A	A	G	C	34883
Lion	-	G	A	C	C	A	G	A	36027
Vaquita	A	T	A	A	C	A	A	A	32259
Pig	A	-	A	C	A	T	T	A	29196

Majority	AGAGAAATCTACAATTTAAAATTTACAATTGGCTATTTAACATTCCTCATAGTAAT- CAGTAGGACGAATTGATCTTAA								
	43930	43940	43950	43960	43970	43980	43990	44000	
Human	T	G	A	C	A	A	A	A	37444
PolarBear	-	-	-	-	-	-	-	-	8660
Cow	A	A	G	T	C	G	T	C	34774
Dog	-	-	-	-	-	-	-	-	34103
BelugaWhale	A	G	A	A	A	T	T	A	31702
Donkey	-	-	-	-	-	-	-	-	36604
Cat	A	T	A	A	T	A	A	T	38019
Ferret	C	T	T	G	C	T	T	C	34957
Lion	C	C	T	G	T	A	T	A	36098
Vaquita	A	G	A	A	A	T	T	A	32338
Pig	A	G	G	A	A	T	T	A	29275

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Majority	A - - A - - - - - XXTATAGGATTTGTAAAAAXATG - - A - - X - AG - - - - - CTTAAATCACXXTTATAAAAXATC - CAATGAC	
	<hr/>	
	44010 44020 44030 44040 44050 44060 44070 44080	
Human	TAAATCACCTCCGGTAGAATATGAGAGACAATTCTG - - - - AGA - - - - CTTATCGCAGGATTGTAAGGTTTGTTTAACAT	37515
PolarBear	- - - - - AAGTATG - - - - - AAGC - - - - TCAAAGTAAGAAATAATAG - - - - CCAT - - -	8695
Cow	A - - G - - - - - GCAAGAGTACTGGAGTGGGGTGCCATTTAAGAAAAAACATAAATTACTGGTAGCAGTAGTGGAAGTGGC	34845
Dog	- - - - - AATGCGTGTACAATGA - - A - - - - GGCT - - - - CTCAGAGTATGAACATAAAT - - - AGCCAT - A -	34151
BelugaWhale	AAAAACAATACGTAGAGGATTTGAACAATGCTGTCAGCTTGG - - - - - CTTAACTCACATTTACAAGACATC - CAATAAC	31775
Donkey	A - - - - - TTCAACAACCTTAGATGCAGT - - - - - AG - - - - - ACAAATTTACTTTACAAAACCTTACAAAAT - - -	36656
Cat	GATG - - - - - CTGCTATGACTGATACCAAAACCTAACAAAGAGG - - - - ATATAAGAAATCAAG - ATTTCAAACCAATATT	38088
Ferret	- - - C - - - - - TCTCTCTGACAAATAAATAAATA - - A - - - - AATC - - - - TTTAAAAAAAAAAAAAAAAAATTTCTCCATGAA	35018
Lion	- - - A - - - - - CTGATG - AATGGATAAAGAAATT - - - - GTGGTTT - - - - ATATACACAATGGAATACTACATGGCAATGAG	36160
Vaquita	AAAAACAATACGTAGAGGATTTGAACAATGCTGTCAGCTTGG - - - - - CTTAAGTCACATTTACAAGACATC - CAATAAC	32411
Pig	A - - G - - - - - ATTTAGGATTTGAAAAGTGCTGTCAGTTTAG - - - - - CTTAACTCACATTTATGAAATGTT - AAATGAC	29339

Majority	XX - AAAAXAAXXTATTAXATAT - - ATXXXATAT - - - TCAATGTGATATTTAAAATAXCTXA - - - - AAATTTTCA - - - - TG	
	<hr/>	
	44090 44100 44110 44120 44130 44140 44150 44160	
Human	TTGAAAATGAACTCAGTGTAAATTTGTCACAATGATAGAATGAAGAAAGAAGAATTTCTCTCAGAAAACCTAGGAAGAGAAG	37595
PolarBear	- - - - - CTTCGG - - - - TA	8703
Cow	GGTATTACTATAGATCCTATAC - CGTGATCTATAGATCCTTGTTATAGGAAAATAAGACA - - - - GTATTACAGGCATCAG	34920
Dog	- - - - - TTCAATATAC - - - - - TT - TTTTAG - - - - TA	34171
BelugaWhale	TGCACAATAGCCTTTTAAATGTACATAGGATAT - - - TCAACGTGATGTTAAAATAACTTACAATAAATTTCAAATGATTG	31852
Donkey	- - - - - C - - TATTATTCTATAATAGAT - - - - - ACATATTAG - - - - CTG	36687
Cat	TTTCATTAACATAAATGCAGAT - - ATTCCTAAC - - - AAAATGTTAGATTATCATATCTGG - - - - CAGTTTGTA - - - - AA	38154
Ferret	GATTACTCAAGGCATAGGTGAT - - TTCATTAG - - - GTTATGAAGCTTCAAAGTATACTT - - - - TTTCTTCAG - - - - TA	35084
Lion	- - - - - AAAAAATGAAATATGGCC - - TTTTGTAGC - - - AACATG - - - G - - - ATGGAACCTGGA - - - - GAGTGTG - - - - - A	36213
Vaquita	TGCACAATAGCCTTTTAAATGTACATAGGATAT - - - TCAATATGATGTTAAAATAACTTACAATAAATTTCAAATGATTG	32488
Pig	AGCAGAACAACCTTTTTCAGGTGTACATAGAATAT - - - TCAGCATGACATGAAAATAATTCT - - - - AAATTTCAAATGCTTG	29412

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Majority	TAA- TXXXATATAXTA- ACTGATTG- - AXXAGGGAG- ATTTACTXXAAATTCTA- ACTTTA- - AAGTGATATTG- TATAT	
	44170 44180 44190 44200 44210 44220 44230 44240	
Human	GAGCTTTTACAATGTAATAAAGGGGTATCTACTAAGAACCTACAACAAATTTTCATACTTAATGGAGAAATATTG- AATGT	37674
PolarBear	TAC- TTTTTTA- GAAAA- - TAGAG- - AAGCAGGGA- - A- - TATTGCAAATTCT- - ACTTTA- - - - - TGATGCTG- TGTAG	8765
Cow	TAATGCCAATAAATTCAACAAATG- - AAATAGAGAG- TTTCTTTTATAAATCTA- GTTTAAAAAACCAATATTT- TAGAT	34995
Dog	GAA- GATTGAG- AGAATGTTAGAA- - AATCATGGA- - AAATACTCCAATTC- - - ACGTTA- - - - - TGATCCTGCTATAA	34237
BelugaWhale	AAG- - CTCATATAGTACCTGATTG- - - - - TAGTGGG- ATTTA- - CAGAAGTCTA- GGA- AATTACCAAATATTTAGAAAT	31920
Donkey	CGTATTTACTATAAAAATTGAAC- - - - - TCATGGGG- CTGGCCAGTGGCATAG- TCGTTAAGTTTGGATGCTC- TGCTT	36759
Cat	TGA- TAATTCATGATTATTAATTG- - AGGCGGGCCC- AAGGATTGTAAGGTTTA- ACATTTCAAAGTGAAGTCAAGTGTAA	38229
Ferret	TAC- TTTTTCA- GAAAA- - TAGAG- - AAGCAGGGA- - A- - TACTGCAAATTTT- - ACTTTA- - - - - TGATGCTGCTATAA	35147
Lion	TGC- TAAGTGA- AATAAGCCATAC- - AGAGAAAGAC- AGATACCATATGGTTTC- ACTCTT- - ATGTGGATCCTGAGAAA	36285
Vaquita	AAG- - CTCATATAGTACCTGATTA- - - - - TAGTGGG- ATTTA- - CAGAAATCTA- GGA- AATTACCAAATATTTAGAAAT	32556
Pig	AAA- GCTCATATAGTATCTGATT- - - - - A- TAGTGAA- ATTTGACTAGAAATCAA- GAATCAGTAAGAAATCTAG- GAAAT	29483

Majority	TTXCTX- XCATAATCAAAXACAGAAGATX- AAGAAAXCXATAATGGXAATAXATATGAXTGAATGAA- - - - -	
	44250 44260 44270 44280 44290 44300 44310 44320	
Human	TTTCTTCTTAAAAACAGAAATGAAGCA- - - AGGATGTCTGTTTTCTCAATTTTTCCCTTAGCTTTCTGCTTACATTAAG	37751
PolarBear	C- - - - -	8766
Cow	TACCTCTCTATATGTCAATAGATAGTATTGTAGGCATCAGTAATGCCAATAAATTCAACA- AGTGAA- - - - -	35061
Dog	TTGATA- CAAAACCTAACAAAGA- - - TGTAAAGAAATCAAGATTTCAAACCTAATATTTTTTCATTAAC- - - - -	34300
BelugaWhale	TTACAC- - AATTCTGAAAAGCACATGAATCACAGAAGATATAAAGGGCATATTTTTGACTGAATGAAAATACATCATATT	31998
Donkey	CAGCGGCCCAGGGTTC- - - ACAGGTTCT- - - - GATCCCAGGTGTAGACCTACATACCGCTCATCAA- - - - -	36818
Cat	TT- - TA- TCACAATAATAGAATGAAGGGGAAAAAATGTCAATAGGAGAATAGGACAGATACAATAGG- - - - -	38293
Ferret	CTGATG- CAAAATCTAACAAAGAAGATGTAAGGAGTCAAGGTTTTCAAACCTAATATATTTTTATTAAC- - - - -	35213
Lion	CG- - TA- ACAGAAACCCATGGGGGAGGGGAAGGAAAA- - AAAAAAAAAAAAAAGAGGTTAGAGTGGG- - - - -	36347
Vaquita	TTACAC- - AATTCTGAAAAGCACATGAATCACAGACGATATAAAGGGCATATTTTTGACTGAATGAAAATACATCATATT	32634
Pig	TACCA- - - AATAGAACTTACACAATTCTGAACAAAGGTGTAAAGGGTATATTTCTGACAGAATGAA- - - - -	29547

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Majority	-----ATAAATACACATCTAXATTTT- TTTGAAAXAXAGAAA-----XTAGXAA- XXXTXCT-----									
	44330	44340	44350	44360	44370	44380	44390	44400		
Human	GCAG-	GTGAAATAAAAG-	ACATAAAGATTGTA	AAGGAAGAAAAGAAA	ACTGTCTTATT	CACCATTCAACAT	GCTTT		37824	
PolarBear	-----	-----	-----	-----	-----	-----	-----	-----	8766	
Cow	-----	CTAGACAAATTC	CCCTTACAAATCT	AGTTTAAAAAA	ACTGATA-	-----	ATAGTAG-	ATTACCT-	35116	
Dog	-----	ATAAATGC-	-----	-----	-----	-----	-----	-----	34308	
BelugaWhale	T	TAAATCATA	CACCAAATGAAA	ATACATCTAT	TTTT-	CTTGGAATAT	AGAAGAAAAT	ATAGAAATAT	TTTTCCCCACA	32077
Donkey	-----	GCCATGCTGT	GGTGGCGTCT	ATGTACAAAG	TAG-	-----	A-	-----	36853	
Cat	-----	ACAGATACAG	CATTTTCATTC	ATGATAAA	ACTCAGAAA	ACT-	GGTAAGGG-	AACTTC-	38347	
Ferret	-----	ACAAATGC	AGGCATTTTT	TTTTTTTT	TAAATTTT	AAAAATTT-	TTTAATGT-	ATAATGTT-	35269	
Lion	-----	AGAGAGCC	AAAGCATA	AAGAGACT	GTTAAAA	ACCAGAA	CA-	AACTGAGG-	36401	
Vaquita	T	TAGTCATA	CACCAAATGAAA	ATACATCTAT	TTTT-	CTTGGAATAT	AGAAGAAAAT	ATAGAAATAT	TTTTCCCCACA	32713
Pig	-----	C-	ATGAAGATA	CATCAGA	ATTTG-	TTGGAATGC	AGCC-	-----	TAGGAA-	29594

Majority	-----GXGAGATGTAGTTCTATACATATATTAX-----TX- XTATATTAXAAAATATCTATTTTAGCAAAAAA											
	44410	44420	44430	44440	44450	44460	44470	44480				
Human	T	TAAAGTAGA	AGACCTGA	AGGACTCT	ACAACAG	ATTTGGT	AGAACTA-	ATAAGTGA	ATTTAGA	ATAATTATAGG	ATACAA	37903
PolarBear	-----	AGCTG-	-----	-----	-----	-----	-----	-----	ATGGCA-	-----	8777	
Cow	-----	CTTATATG	TATTATAG	ATATAGG	TAT-	-----	CTTTATAT	CTATTAT	CAAAATT	GAATTTT	TAAATTA	35182
Dog	-----	AGATAT-	-----	-----	-----	-----	-----	-----	TCTTA	ACAA-	34323	
BelugaWhale	A	GTGCATG	GGGGGAAA	ATAGTTCT	ATATCTAT	ATTAGT	ACTTATCT	ACCTAC	ATTGGAAA	ATATCTGT	AGTAGAAAA	32157
Donkey	-----	GGAAG-	-----	A-	-----	TTG-	-----	GC-	-----	ATGGAT	GTTAGCT	36881
Cat	-----	CACAGAT	TGAGTG	AGGGAC	ATCCAG	TAAGA-	-----	GCCTAAA	ACAAAT	TCCATT	CTTTAA	38409
Ferret	-----	ATTAGCT	GTGGGG	TATAGG	TCTGT	GAATCT	CCAGTTT	TACAC	ACTT	CACAG	CACT	35340
Lion	-----	GGGGGT	GGGAGG	GAGGG	CAGGG	TGGGT	GAT-	-----	GGGT	ATTGAG	GAGGG	36462
Vaquita	A	GTGCATG	GGGGGAAA	ATAGTTCT	ATATCTAT	ATTAGT	ACTTATCT	ACCTAC	ATTGGAAA	ATATCTGT	AGTAGAAAA	32793
Pig	-----	GAGGAAA	ATTGTTCT	ATCCAT	ATATT	AGA-	-----	TACTTT	ACCTAT	ATTAGAAA	ATATCTAT	29663

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Majority	G- - - GTTT XAAAX TTTT ATXAX- - - - GAATXXGXAX- - ATAAATTXTCAGTATXXGGAATXXAAXTXX- - AGATXTCAC	
	44490 44500 44510 44520 44530 44540 44550 44560	
Human	GTTCTATGTACAGAAATAGTCTCCTTATACTTGGCA- - - GCAAATTCCTTAGAAAATGAAATTTTAAAAAATCTGTTTATA	37980
PolarBear	-----	8777
Cow	T- - - - GTT- - AGTCTCTCAGTT- - - - - GTCTCTGAGTCTTTGCTTTGTGACCCTGTGGACTATAGCCTGCCAGGCCCCAC	35251
Dog	-----	34323
BelugaWhale	GAAAGGTTTTAAATTTCTGTTAAGAAAGAAAAAGGAAACATAAATTACCAGAATCAGGAATGAAAGTGG- - AGATATCAC	32235
Donkey	-----	36881
Cat	A- - - - TATTGAATGTTTTCTTTATTTATTTT- TATTTATTTTTATTTTTTATTTTTATTTATTTTTT- - TTATATATGA	38482
Ferret	C- - - - CTTCCAATGTCCATAACCCCACCACCCTCAAGTGCAGACGTTCTTTTTTTTTTTTTTAAATTTA- ATTTCTTTTC	35415
Lion	G- - - - CACTGGGTGTTGTATGGAAACCAATTTGACAGTAAATTTCATATATTAATAAATAAATAAATAA- TTAAAAA	36537
Vaquita	GAACGGTTTACAATTTCTGTTAAGAAAGAAAAAGAAACATAAATTACCAGAATCAGGAATGAAAGTGG- - AGATATCAC	32871
Pig	G- - - - GTTTAAACTCTTATCAA- - - - GAAAAAGAAAGCATAAATTATCAGTATCAGGACTGAAAGTGG- - AGATGGCAC	29733

Majority	AATAXATC- - - CTAXAXAGT- - GTAATACXATAGXXAGAXXTAT- - - - AACATCXGTCATCCTGA- AAACCCA- X- - - -	
	44570 44580 44590 44600 44610 44620 44630 44640	
Human	AAAGTATCAGACAAAATATCAGGAAAAAAATTTGACAAAAGATATGTAAGACATCTACACCAATATGAAACACTGC- - - -	38056
PolarBear	----- AACTCGTGCC- - - - - A- AAACCTA- - - - -	8795
Cow	TGTCCATGGAATTGTACAGGCAGGAATACTGGAGTGGGTAGCTGT- - - - - TCCCTTCTCCGTGGGATCTTC- - - - -	35317
Dog	----- AATGTTAGCA- - - - - GA- TCATCTA- - - - -	34342
BelugaWhale	TACAGATC- - - CTACACAGT- - GTAATAGGACAGAAAGACAGTATCACAAGCATCGGTAATGCTGATAAATTCAGCAACT	32310
Donkey	----- GCCAGTCTTCCTCACACACATA- - - - -	36903
Cat	AATTTATTGACAAAT- TGGTT- TCCATACAACACCCAGTGCTCATCCC- AAAAGGTGCCCTCCTCA- ATACCCATCA- - C	38556
Ferret	AGTGTAACAGAATTCATTGTT- TATGCACCATACCCAGTGCTCTATGC- AATATGTGCCCTCCATA- ATACCCACCA- - C	35490
Lion	AATAAATAAATAGA- - - GGAT- TTGA- ACAGTGCTGAACATTCAGCTG- GGCTTAACTCACATTCACAAAATATAC- - C	36609
Vaquita	TACAGATC- - - CTACACAGT- - GTAATAGGACAGAAAGACAGTATCACAAGCATCGGTAATGCTGATAAATTCAGCAACT	32946
Pig	AGCAGATG- - - CTACACAGT- - GTAATAGGATAGTGAGATAGTAT- - - - - ATTACTAACATTGGTAAC- - - - -	29791

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Majority	-----X-----X--X-T-----XCTXATAAAXCAAAXXTG-----T-----A-AXTACAATATTAT								
	44650	44660	44670	44680	44690	44700	44710	44720	
Human	-----TA-AGAGAAGTTTTAAAAAGACTTACATGAAGACGTAGACCATGTTTCATGAATTAGAAGGCTCAATATGTT								38126
PolarBear	-----								8795
Cow	CC-----AGCCCAGGGATCAAACCTG-----GGTTTCCTGCATTGA								35353
Dog	-----								34342
BelugaWhale	TAGGTGAAATAGACAAACTCTTTTATAAATCTAGTGAACCAAATTGATATAATAGATTATCTCTATATTATAATATTAT								32390
Donkey	-----CAGAAAAAT								36912
Cat	CCACC----CTCCCCTC--CCTCTCACCCCCCATCAACCCTCAGTTTGTCTCAATTTTTTAACA--GTCTCTTATGCTTT								38628
Ferret	CAGGC----TCCCCCAA--CCTCCCCTCCCTGCCCTTCAAACCGTCAGATTGTTTTTACAGTCCATAGTCTCTCAT								35564
Lion	CTAAC----TGCAGAAAAACTTGTCAAGTGTATATAGCACCATGATCGACTATATATTAGGACATAAAATAATAGATTTT								36685
Vaquita	TAGGTGAAATAGACAAACTCTTTTATAAATCTAGTGAACCAAATTGATATAATAGATTATCTTTATATTATAATATTAT								33026
Pig	-----GCTGATAAATTCAAC-----A-ACGTCAGTAAAAT								29820

Majority	AGATAXA---TACCTTXAX-TCTXTTATAACAATXXATTTTTTAATAXT-XXX---TXXTTXXXGAAGATTACTC-AX								
	44730	44740	44750	44760	44770	44780	44790	44800	
Human	AACATGCCAGTTCTCCCTAAATTGGGATGGCATTGAATCTATAAAGACTTATAAA-----TTGAGAGTACATTCTAAAAT								38201
PolarBear	-----								8795
Cow	AGGCAGA---TTCTTTACTGTCTGAGCCACCAGGAAAGCCCTAAGTTA-----TTTTCCACAAAGATTACTC-AA								35420
Dog	-----								34342
BelugaWhale	AGATATAGATTACCTTTAT-----TATCAAAATTGAATTTTTAATAATAAAAAACATCTTTTACGGAGATTACTC-AG								32463
Donkey	GAAT-----TC---ATGATAAAAAATGTTTC--CACT-----GA---TACTTCGG								36950
Cat	GGCTCTCTCCCCTCTAACCTCTTTTTTTTTTTTTTTTCTTCCCCTCCCCCATGGGTTCTG-TTAAGTTTCTCAGGAT								38707
Ferret	GGTTCATCTCCCCTCCAATTTCTCTCAACTCCCTTCTCCTCTCCATCTCCCCTGTCCTCCATGTTATTTCTTATGCT								35644
Lion	AAATGACTGAAAGCTCATATAGTATCTGATCATAGTAGAATTTGAATCACCAAATATTTGAAAATTGAACTACACAAT-T								36764
Vaquita	AGATATAGATTACCTTTATCTCTGTTATCAAAATTGAATTTTTAATAATAAAAAACATCTTTTACGGAGATTACTC-AG								33105
Pig	AGTAAA---TACCTTTACATCTGTTATAAAGATGGACTTTTTAGTAAAAA-----TCTTTGCGTGAAGATTACTCCAG								29892

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Majority	GCATAXGTGATTTCACTCXXA- TATGXTAATTACXT- TAGGTGGTTTTACTCAGGCATGGXTGGTTXCACTGTTGAATTT								
	44810	44820	44830	44840	44850	44860	44870	44880	
Human	TTATGTGAAATAAAAAGGAGCTAGGACAATTA- - - - AAACCATTTTGAAAAAGTAAATTTTGCCACAGTTCTCAAGAC								38276
PolarBear	- - ACAAAGAAG- - - - - A- TATGAGAAAT- - - - - CAAGAT- - - - -								8821
Cow	GCATAGGTGATTTCACTGGTC- AGTGGTTTTCTCTTGAAGGTGGTTTTACTCGGGTATAGGTGGTTTCACTGTTGAATTG								35499
Dog	- - ACAA- TATAT- - - - - G- AATGATAATT- - - - - CATGATTAT- T- - - - -								34372
BelugaWhale	GCATAGGTGATTTCACTCGTA- GGTGGTTTTCACTTGTAGGTGGTTTTACTCAGGCATGGGTGGTTTCACTGTTGAATTT								32542
Donkey	GCATGGGTGGTTTCACTCAGG- CATAAGTAAT- - - - - TTCACTCATAGATGGGTGGTTTCACTGTTAAATTT								37016
Cat	CCACATAAGAGTGAAACC- - A- TACGGTATCTGTCTTCTCTGTATGGCTTATTTCACTTAGCATCACACTCTCCAGTTC								38784
Ferret	CCACAAATAAGTGAAACC- - A- TATGATAATTGGCTTCTCTGCTTGACTTATTTCACTCAGCATAATCTCTTCCAGTCC								35721
Lion	CTGAATAATACATGGATTGAA- CATATTAAGGGCATCTTCTGACTGAATGAAAGTGAA- AATATTAATTTGTTGGCT								36842
Vaquita	GCATAGGTGATTTCACTCGTA- GGTGGTTTTCACTTGTAGGTGGTTTTACTCAGGCATGGGCGGTTTCACTGTTGAATTT								33184
Pig	GCATATGTGATTTCACT- - T- - - - GGCTTCACTCATAGGTGGTTTTACTCAGGCATGGGCGGTTTCACTACTGAATT-								29964

Majority	TATGAAA- - - - AAAGXAAXAAATAATAXXCATCTTTAACCTTTTTTC- - - - - AGAAAA- - - - - AGAGAAXXXX-								
	44890	44900	44910	44920	44930	44940	44950	44960	
Human	TCACTAC- - - - AACCTGTAGTTAATCCAAAACAGTTTACTACTAGC- - - - - ATAGTTAGTGACACAGAATAGCGT								38343
PolarBear	- - - - - TTGAAAC- - - - - TAATATTT-								8836
Cow	TATGAAA- - - - TGTCAAAGAAATAATAGCCATCTTTAACCTTTT- - - - - AGACAA- - - - - AGAGAAGAA- - -								35555
Dog	A- - - - - ATTGAAGC- - - - - TTACC- - - - - CAAGGA- - - - - TTATAAGGTAT-								34403
BelugaWhale	TATGAAACTTCAAAGTAAGAAATAATAGCCATCTTTAACCTTTTTT- - - - - AGAAAA- - - - - GGAGAAGGG- - -								32604
Donkey	TATGAAACTTGAAAGTAAGAAATAATAATCTTCAGTATACATTTTT- - - - - AGAAAA- - - - - TAGAGAAACGG								37079
Cat	CATCCAC- - - - GTTGCTACAAAAGGC- - - CATATTTCATTTTTTCTC- - - - - ATTGCC- - - - - ACGTAATATTCC								38842
Ferret	CTTCCAT- - - - GTTGATACAAAAAGTT- - - GGGTATTCATCCTTTCTG- - - - - ATGGAG- - - - - GCATAATACTCC								35779
Lion	CATTTGA- - - - GAAAGTACATGGGAAAATACGTCTATGTATATACC- - - - - CATATT- - - - - AGAAAATACCTA								36903
Vaquita	TATGAAACTTCAAAGTAAGAAATAATAGCCATCTTTAACCTTTTTT- - - - - AGAAAA- - - - - AGAGAAGGG- - -								33246
Pig	TTTGAAC- - - - AAAGTTAGAAATGATAGCCATCTTTAACCTTTTTTTTTTTTTTTTGTAGAAAATACAGAAGGGAAGAAAAT								30040

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Majority	- - - - - TTXCTCACTAAXTCAXTTTATXAAGCTACCGAAAX- - - AAXCTAACXAAGTTAATATAAGAAAT- - - XTT							
	44970	44980	44990	45000	45010	45020	45030	45040
Human	- - - - - TCAGGGAATAACTCATGCATTAAAGTTGCCTTGAT- - - CACTCAGTGAAGAAAGAGAAGGCCTT- - - TCA 38407							
PolarBear	- - - - - TTCATTAA- - - - - 8844							
Cow	- - - - - TGCTCTTTAATTCACTTTATGAAGCTACTGAAAT- - - AATCTAACAAAGATAATATAAGAAATACAGATT 35622							
Dog	- - - - - ATTTA- GAAATTGAACTG- - - - - 34420							
BelugaWhale	- - - - - GGATACTCCCTAATTCACTTTATGAAGCTACCAAAACCAAATATAACAAAGATAATATAAGAAATCAGGATT 32677							
Donkey	GGTACTCCCTGGTTCACTTTGTGAAGCTATACTATAACTGACACCAAACCTAACAAAGATAATATAAGAAATGAAGTTT 37159							
Cat	- - - - - ATTGTGTATA- - - - - TAAACCACAATTTCTTTAT- - - CCATTCA- TCAGTTGATGGACA- - - - - TTT 38895							
Ferret	- - - - - ATAGTGTATAGTGTATATGGACCACATCTTCCTTAT- - - ACATTCA- TCCGTTGAAGGGCATCTTGGTTCCC 35847							
Lion	- - - - - CTTTAGAAAA- - - - - AGCTTTAGAGGTGCCTGAG- - - TGGCTCAGTCAGTTAAGCATCAAAC- - - - - TCT 36960							
Vaquita	- - - - - GGATACTCCCTAATTCACTTTATGAAGCTACCAAAACCAAATCTAACAAAGATAATATAAGAAATCAGGATT 33319							
Pig	GGGGGGGGGCACTTGCTAATTCACTTTATAAAGCCACTGAAACCAAATCTAACAAAGGTAATACAAGAAATCAAAT 30120							

Majority	TCACACT- AATATTTTTTCATGAACATAAATGCAGACATTCTTAACAAAATXTTAGCAAATCACAT- TCAGCAGTATGTA-							
	45050	45060	45070	45080	45090	45100	45110	45120
Human	ACAGATGTGCTAGAACAGCTGAATATACATACAAAAAAGC- - AAAAGAACTTAA- - - ACCCTACATCA- TTCTGTATAA 38481							
PolarBear	- - - - - CATAAATTCAGACATTCTTAACAAAGTGTTAG- - - ATCACAT- CTGGCAATATGTA- 8896							
Cow	TCACACT- AATACTTTTTCATTTACATAAATGTGGACATTCTTCACAAGATATTAGCAAATCACAT- TCAGCAGTATGTA- 35699							
Dog	- - - - - CATAATTCTGAACAACACATAAAGAAGATAAAAAGGGTAACTTTCTGACTGAATGAA- 34476							
BelugaWhale	TCACACT- AACATTTTTTCATTAACATAAATGCAGACATTCTTAACAAGATATTAGCAAATCACTT- TCAGCAGTATGTA- 32754							
Donkey	TCAGACTTAATATTTTTTCATTAATGTAATGCAGACGTT- - TAACAAAATGCTGGCAAATCACATCC- - - - - TATATA- 37230							
Cat	AGGCTCT- TTCCATAATTTGGCT- - - ATTGTTGAGAGTGCTGCTATGAACATTGG- - - GGTACAAGT- GGCCCTATGCAT 38967							
Ferret	TCCACAG- TTTGGCCACCGTGGCCATAAATGCAGACATTCTTAACAAAATGTTAGCAGATTACAT- CCAGCAATATGTA- 35924							
Lion	TGATTTT- GGCTCAGGTCAGGATCTCATGGTTTCAGGAGTTCAAGCCTTGTGTGAG- - - GTTCTACGTTGACAGTGTGGAT 37036							
Vaquita	TCACACT- AACATTTTTTCATTAACATAAATGCAGACATTCTTAACAAGATATTAGCAAATCACTT- TCAGCAGTATGTA- 33396							
Pig	TCATAGT- AATATCTTTTCATGAACATAAATACAGGTGTTTCGTAACAAGATGTTAGCAAATCACAT- CCAGCAGTACATG- 30197							

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Majority	AAAGATAATTC- ATGATGACTAATTGAGGCTTACCTCXTGATTGTAAGGTT- TAACATTT- GAAAATGAAXTCA- - XTAT								
	45130	45140	45150	45160	45170	45180	45190	45200	
Human	AACAATGAGATTA- -	ATTATATAAAAACTAATATATAGAGTTTTTAGGAA- - -	AAAGCATAGGATATACTTGCAA- CTTT	38555					
PolarBear	AATGATAATTC- ATGATTATTAATTGAGGCTTACGTGAGGATTGTAAGGTT- TAACATTAAGCAAGTGAAGTCA- - GTAT	8972							
Cow	AAAGATAATTC- ATGATGACTAATTGAGATTTACCCCTTGATTGTAGGGTT- TATCAGTG- GCAAATGAAGTCT- - ACAT	35774							
Dog	AGTGAAAAGGGTA- ACTTTCTGACTGAA- TGAAAGTGAAAAGGGTAACCTTTCTGACTGAATGAAAGTGAAAATA- - TATC	34552							
BelugaWhale	AAAGGTAATTC- ATGATGACTAATTGAGGCTTACCTCTTGATTGTAAAAT- - - AACAGTC- GAAAAGGAATTCA- - GTGT	32827							
Donkey	AAAGATAATTC- ATGATGACTGACTGAG- AGTACCCAGGATTGTAAAGTTTTAATATTT- GAAAATGAATTCAAATTAT	37307							
Cat	CAGTACTCCTGTA- - - - - TCCCTTGGATAAATTCCTAGCAGTGCTATTGCTGGGT CATAGGGTAGGTCTATTTT- - TAAT	39040							
Ferret	AATAATAATTCGATAATTATTAATTGAGGCATACTGGAGGATTGTAAGTTT- TAACATTT- GCAAGTGAAGTCA- - GTAT	36000							
Lion	GGAGCCTGCTTGAGATTCTCTCTCTCCCTGTCTGTCTGCCCTCCGCTGCTTGTGCATATGTATGCTCTCCTTG- - TCTC	37114							
Vaquita	AAAGGTAATTC- ATGATGACTAATTGAGGCTTACCTCTTGATTGTAAGGTT- TAACAGTC- GAAAAGGAATTCA- - GTGT	33471							
Pig	AGTGATAATTT- GTGATGACTGATTGAGGCTTACCCCTTGATGGTGAGGTT- TAGCAATT- GAAGATGAAGTCA- - CTGT	30272							

Majority	AATTTA- - TCACAA- - TAATAGAATAAAGG- - - - - - AGGAAAAAAATCAT- - - GTTAATAGAAGCAGXAAAAX- GCA								
	45210	45220	45230	45240	45250	45260	45270	45280	
Human	GGGATAAATGAAGATTTCTTAAAATAGAAAAATCTTAAAGGAATATATAAACTTGACTCCATCAAATGGGAAATTTCTG	38635							
PolarBear	AATTTA- - TCACAA- - TAATAGAATGAAGGTGCGGGTGGGGGGGAATCAT- - - GTCACTAGAAGGAT- AAAAA- GCA	9043							
Cow	AAT- - - - - CACAG- - TAATAGAATAACAG- - - - - - - AGGGGAAAAAATCATCCAGTTAATAGAAGCAGAAAAA- - GCA	35836							
Dog	AGTCTAATTTATAA- - TAATAGAATGAAGG- - - - - - - AGAAAAAATCAT- - - TTTAATAGAAGGAA- AAAAA- GCA	34615							
BelugaWhale	AATTTA- - TCACAA- - TA- - - GAATAACGG- - - - - - - AGAAAAAGAATCATCATGTTAATAGAAGCAGAAAAG- - GCG	32890							
Donkey	AATTTA- - TCACAA- - TGAGAGACTAAAGG- - - - - - - AGAAAAGAACATTCT- - - ATCAATAGAAGCAGGAAAA- - GCA	37370							
Cat	TTTCTGAGGAAC- - - - CTCCACACTGCTTTCCAGAGCGGCTGCACCAATTTGC- - - ATTCGCACCAACAGTGCAAG- AGG	39112							
Ferret	AATTTA- - TCACAA- - TAATAGAATGAAGA- - - - - - - AGAAAAAATTTTTCAT- - - GTCAATAGAAAGAG- AAAAA- GCA	36063							
Lion	TCTCAAATAAGCATTTTTTTTTAAAAAGTTTAAATCTGTCAAGAAAAGAAAGCTAT- - - ATTACCAATATCAG- GAATG- AAA	37189							
Vaquita	AATTTA- - TCACAA- - TA- - - GAATAATGG- - - - - - - AGAAAAAGAATCATCATGTTAATAGAAGCAGAAAAG- - GCA	33534							
Pig	AATTTA- - TCACAG- - TAGTGGAATAAAGG- - - - - - - AGGAAGAAAAATCAT- - - GTTAATAGAAGCAGAAAAA- GCA	30336							

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Majority	TTTGACAAAA- - TACAGCATCCATTTCATGATAAAAAXTTCTCAGAAAAGCTAGCAAGA- TAAGGGAAGCTTCCACAAGGTAX								
	45290	45300	45310	45320	45330	45340	45350	45360	
Human	CTTCATCAAAA- GACATTGTTAAGACATTGAAAAGACAAGGCACAGACTTGGAGAATATAATATTTGTGTATCAATACAT								38714
PolarBear	TTTGATAAAA- - TACAGCATTTCATTTCATGATAAAAATCTCTCAGATAACTAGCAAGG- TAAGGGAAGCTTCCACAAGGTGT								9119
Cow	TTTGACAAAAAATACAGCATCTACTCATGGTAAAAAGTTCTCAGAAAAGCTAACAAAGA- AAAGGGACCTTCTGCAGGATAC								35915
Dog	TTTGATAAAA- - TACAACATTTCATACATGATAAAAAGTCTTCCAGA- AGCTAGCAAGAATAAAGGAAGCTTTCACAACGTG-								34691
BelugaWhale	TTTGACAAAAA- TACAGCATCCATTTCATGATAAAAAGTTCTCAGAAAAGCTAATAAGA- AAGGGGAAGCTTCTACAGGGTAG								32968
Donkey	TTTGACAAA- - TACAGCATGCATTTCATGATCAAAATCTCTCAGAAAAGCTAGCAAGG- GAAGGGAAGCTTCCACAAGG- - -								37443
Cat	GTTCCCGTTT- - CTCCACATCCTCTCCAGCATCTA- - TAGTCTCCTGATTTGTTT- - ATTTTGGCCACTCTGACTGGTGTG								39187
Ferret	TTTGATAAAA- - TACAATTTTTCATTTCATGATAAAAATCTC- - AGAAAAGCTAGCAAGA- TAAGGGAAGCTTCCACAAGGCG-								36136
Lion	GTAGAGGTAC- - CACTACAGATCCTACAGAAAGCTAACTGGAAAATAAGGCAGTACTGCAAAGAGTAGTAATACCAATAAA								37267
Vaquita	TTTGACAAAAA- TACAGCATCCATTTCATGATTAAGTTCTCAGAAAAGCTAATAAGA- AAGGGGAAGCTTCTACAGGGTAG								33612
Pig	TTTGACAAAAA- CATAGCATCCATTTCATGAGAAAATGTAATCAGAAAAGCTTA- - - - - GCAAGGAGTTCCCGTCGTG- GC								30408

Majority	ACATGAGGCXTXTATT- - - - AAGAGCCTAAAACAAA- - TTCCATTCT- XATXXTGA- - AATATTGAATGTTTTX- - - - T								
	45370	45380	45390	45400	45410	45420	45430	45440	
Human	GCATATGAC- - - - - T- - - - - GTATTAGTCCATTTTCATGCTGCT- GATAAAGA- - CGTACCCGAGACTGGGCGGGC								38777
PolarBear	GAATAAGGGGCGTCT- - - - - AAGAGCCTAAAACAAA- - TTCCAATATTTAAT- - - GA- - AGTATTGAATGTTTTC- - - - T								9183
Cow	ACA- GAGGGATCTACT- - - - AAGAGCCTACAACAAA- - TTTCATTTCGT- GATAATGG- - AACACTGAATATTTTC- - - - T								35981
Dog	- AATAAGGTGCACCTTATCAAAGAGACTAAAACAA- - TTCCATTCTTTTATGGTAA- - AATATTGAATATTTTC- - - - T								34761
BelugaWhale	ACAAGGGGCATCTACT- - - - AAGAGCCTACAATAAA- - TTTCATTTCAT- AATGGTGA- - AATATTGAATGTTTT- - - - T								33034
Donkey	- - - - - TTTCC- - - AGC- - T- - - - TTTTGCTTACCTT- - - - -								37466
Cat	AAGTGATACCTGAGTG- - - - - TGGTTTTGATTTGT- - - - - ATTTCCCTGATAAGGAGCGACGCTGAACATCTTT- - - - T								39252
Ferret	- AATAAAGGTCTAAT- - - - - AAGAGCCTAAAACAAA- - TTCCATTCTTTAATAGTGA- - AATACTGAATGTTTTT- - - - T								36202
Lion	TTCAGCAACCTAGGTGA- - - TATAGACAAGATCCTTCACAAACCTAACTTACTAAAAGCTGACATGAAGTGTACT- - - - C								37340
Vaquita	ACAAGGGGCATCTACT- - - - AAGAGCCTACAATAAA- - TTTCATTTCAT- AATGGTGA- - AATATTGAATGTTTTCTTTTT								33683
Pig	GCA- GTGGT- - - - - TA- - ACGAA- - TCCGACTAG- - GTTGCGGG- - TTCAGTCCCTGTCCTT- - - - G								30457

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Majority	CTTTAA- - AAATAGGAATGAAGTA- A- GGATGTCTATTTTCAXAATXTTXXC- AGCTXT- TGCTTACATTAAGGXATGTAX	
	45450 45460 45470 45480 45490 45500 45510 45520	
Human	AATTTATGAA- - AGAAACCAGTTTAAATGAATTTACAATTCTATGTGACTGGGGAAGCCTCATAATCATGGTGAAGGCAA	38855
PolarBear	CTTTAA- - AAACAGGAATGAGGTA- AAGGATGTCTGTTTTCACAAATTTCCAGCTTTTTGCTTACATTAGGGCAAGTAG	9260
Cow	TCTTAA- - AATTAGGAATGAAGT- - AAGGATGTGTCTTCCCTGAATATTTCTAGCTTT- TACTTTCTTTAAGGCAAGTAA	36056
Dog	CTTGAA- - AAACAGGAATGAAGTA- AGGATATTCTGTTTTCACAAATTTCCAGCTTCTTGCTTGTATTAGGGCAAGTAG	34838
BelugaWhale	TTTTCC- - ACTTTAAATTCAATTTTATTGAGGTATAATTTCCGTACA- - - - -ATAAAT- TGCATCCATTTAA- ATTGTAC	33105
Donkey	- - - - - GAGGTAAGTAAA- - - ATATTACCTTAGGTAA- - - - - ATATTACTAAAGGTAA	37510
Cat	CATG- T- - GCCTGTTGGCCATCCG- G- - - ATGTCTTCTTTAGAGAAGTGTCTATTCATGTTTTTC- TGCCCATTTCTTCAC	39324
Ferret	CTTGAATTAACAGGAATGAAGTA- A- GAATTTCTGTGTTTACAATTTTCCAACCTTTTTGCTTACATAAGTGCATGTAG	36280
Lion	CATAAT- - ATATACAGATTAGCTC- T- - - ATGTCTATTATAAAAATTAGATTAGTAATCTTCTCACAAAGATTACTCCAG	37414
Vaquita	TTTTCC- - ACTTTAAATTCAATTTTATTGAGGTATAATTTCCATACA- - - - -ATAAAT- TGCATCCATTTAA- ATTGTAC	33754
Pig	CTC- - - - - AGTGGGTT- - AACGATCCGGCGTTGCCGTG- - - - - AGCTGT- AGTGTAGGTT- - G- CAGGTAC	30512

Majority	AGTA- - - - - AXXA- CATAAACTTAGAAAGGXAGAAGTAAAAGTGTCTTATTGAGAGTCAACATATT- - TTTTATXTTAG	
	45530 45540 45550 45560 45570 45580 45590 45600	
Human	GGAGGAGCAAGTCACATCTTACGTAGATGGCAACAGGCCAAAGAAAAGAGAGCTTGTGCGGGGAAACT- - CTCCCCTTTTT	38933
PolarBear	AATA- - - - - AAAAGCATAAAGTTTAAAAA- - - AGAAGTAAAAGTATCTTATTCACAGTCAACATTTTTTTTTTTTT	9332
Cow	AATAA- ATAAAAAGCATAAAGTTTAAAGGAAGAAGTAAAAGTGTCTTATTCATAGTCAACATGAT- - TTTTAAATAG	36133
Dog	AATA- - - - - AAA- - TACAAAAGTAAATGGAAGAAATAAAAAGTATCTTATTCACAA- CATGGTTTT- - - CATTTTTTTG	34907
BelugaWhale	AGTCAGATAAGTATTGAAAGATGTATACACTCATGAAATCA- CTGACAGTCAAATATATATCCATC- - ACACATACTAG	33182
Donkey	AG- - - - - CATAAATATTGGAAA- - - - - AGACTGTCTTATTCATAGTCAACATGAT- - TTTTAAACAG	37566
Cat	- - - T- - - - GGGT- TATTTGTTTTTTCGGGTGTGGAGTTTGGTGAGCTCTTTATAGATTTTGGATACT- AGCGCTTTGTCT	39394
Ferret	AATA- - - - - AAACCATAAATATTA AAAAGGTAGAAGTCAAAGTCAACTATCTTATTCACAGTCAGCATTTT- - GTTTTTATTT	36353
Lion	GCGT- - - - - AGGT- GATTTCACTCATAGGTG- - - AGTTTACTCAGATATGGGTGGTTTC- - - - - ACT- GTTGTATTTTAT	37479
Vaquita	AGTCAGATAAGTATTGAAAGACGTATACACCCATGAAATCA- CTGACAGTCAAATATATATCCATC- - ACACATACTAG	33831
Pig	AGTT- - - CGGATCCCGTGTTGCT- - GTGGCTCTGGCGTAGG- CCGGACGCTACAGCTCCGATTGGAC- - CCCTAGCCTGG	30584

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Majority	GAAACTCAA- - - - - TGTCTTATATXACTGTXXXATXXXXTXXXT- - - AATTACAAAXA- - - - - AXT								
	45610	45620	45630	45640	45650	45660	45670	45680	
Human	AAAACCATGA- - - - - GACTTACTTCACTGTCACGAGAACAGCATTGGAAAGACCTGCCCCCATGATTCAGTTA								39001
PolarBear	GAAATTGAGT- - - - - TTATTTGTAT- - - - - AATTACAGAGA- - - - - AGT								9366
Cow	AAAACTCAAAGGAATCCAGGTGATTTTTTAGAACAGATACAGGATACAGTTCA- ACATACAAAGATAGTTTTTCTGATA								36212
Dog	GAAATTGAAT- - - - - TATTTTATAG- - - - - AATTACAAGTA- - - - - TAG								34941
BelugaWhale	ATTCCTCATAGCCCTTT- - GTAGCCATCCCTTCTGTTTTATCCCCTTTCC- - - AATCACTGATCT- GCTTTTTGTCACT								33256
Donkey	AAAACCCAAA- - - - - GGAATCT- - - - - ACAA- - - - - AGT								37590
Cat	GATATGTCAT- - - - - TTGCGAATATCTTTTCC- CATTCCGTTGGTTGCCTTTT- - - - - A- - - - - GTT								39445
Ferret	GAAATTGAGT- - - - - TTAATTTTATTATATTTATTACATTTGTTTATTAATTACAGAGA- - - - - AGT								36410
Lion	GAAACTTCAA- - - - - AGTAGGAAATAATAGCCATCTTCAGTATACTGCTTTTAGAAAA- - - - - GAG								37536
Vaquita	ATTCCTCATAGCCCTTT- - GTAGCCATCCCTTCTGTTTTATCCCCTTCCC- - - AATCACTGATCT- GCTTTTTGTCACT								33905
Pig	GAACCTCCAT- - - - - ATGCCGTGGGAGCGGCCCAAGAAATAGCA- A- AAAGACAAAA- - - - - ACA								30638

Majority	ATX- - - - XAGTTTC- - - - - TAXC- XACTTXXAATACTACA- - - - - XTACG- - - - -								
	45690	45700	45710	45720	45730	45740	45750	45760	
Human	ACTCCCACCAGGTCCCTCCCACAACACATGGGAATTC AAGAGG- AGATGTGGGTGGGGACACAGCCAAACCATATCAATG								39080
PolarBear	GTAG- - - ATGCTTC- - - - - TGGC- - AGTTCACGATACTACA- - - - - TAGG- - - - -								9401
Cow	GTCTTAGCAAATTTTTGGACAATGAACTTTTTAAAAATCCATTTATGGAAACTTT- - - - - AG- AAAGAAAAAATATCAAG								36286
Dog	AT- - - - - GTTTC- - - - - TGGC- - AGTTCACAATATTTCA- - - - - TACG- - - - -								34972
BelugaWhale	ATTA- ATTAGTTTGAATTCTATAGAATTTTGTATAAACAGAATCATGTA- - - - -								33306
Donkey	GT- - - - - TTGGTAGA- - - - - GTAAG- T- - - - -								37610
Cat	TTGT- - - TGGTTGT- - - - - TTCC- - - - - TTTGCTGTGCAGAAG- - - - - CTTT- - - - -								39479
Ferret	GT- - - - - GTTTC- - - - - TGGC- - AATTCACAGTACTGCA- - - - - TATG- - - - -								36441
Lion	AAGC- - - AGAGTAT- - - - - ACTCCAAATTCACCTTTGTGATGC- - - - - TGCT- - - - -								37574
Vaquita	ATTA- ATTAGTTTGAATTCTATAGAATTTTGTATAAACAGAATCATGTA- - - - - GAATTCTATAGAATTTTGTATAAACAGAA								33984
Pig	AAC- - AACAAC- - - - - AACAAAAA- - - - - AATAAGAA- - - - - A- - - - - GGAAACTT- - - - - GTATAAGGTAGACAAGG								30693

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Majority	----- A----- TATTTGG- - TTATTATATTXAAATAACTGACTTTX- - - TATAAAAXTGATTTGC- - - - - ATTTGTX								
	45770	45780	45790	45800	45810	45820	45830	45840	
Human	ACAAAGGACTTGTATCCCAAAGGACTTGTAAAAAATAACTCCTCCAATCAATAAATATGAGCAGC- CC- - - AATTTTTT								39156
PolarBear	----- G----- TATTTGG- - TTCCTATTTTTAAATATCTGACTTTG- - - TATAAACTTGCTATTC- - - - - GACTCT-								9457
Cow	AAATTTAACAAAAAGTTGCATGTGTTATACTAAGGAGACTGAACTTT- - - TTTAGAAAAGATTTACACTT- TAGAAAGGA								36362
Dog	----- G----- TATTTGG- - TTGCTATACTTAAATATCTGACTTTG- - - TACAAACCTGCTTTTC- - - - - AGCTCTT								35029
BelugaWhale	----- ATGTA CTCTTCTGTGTTGTACTGCTTTCACTTCCTTTCTTTACTGCTGAGTAGTGTTTGCATCTTGTT								33377
Donkey	----- GAATT- - - - TCAATGGTTACAAGATACAAGTTCAATATACAAAATAAATTGT- - - - - TTCCTGA								37667
Cat	----- T----- TATCT- - - - TCATAAGGTCCCAGTAATTCACCTTTT- - - GCTTTAATTCCCTTGC- - - - - CTTTGGG								39534
Ferret	----- A----- TATTTGG- - TTACTATTTTTAAATATCTGACTTCG- - - TATTA ACTTGCCATTC- - - - - AACT- - -								36495
Lion	----- A----- TAACTGATACCAGAGGATATAAGAAATCAAGATTT- - - CAAACCAATATTTTTTC- - - - - ATTAACA								37633
Vaquita	TCATGTA CTATGTA CTCTTCTGTGTTTACTGCTTTCACTTCCTTTCTTTACTGCTGAGTAGTGTTTGCATTTTGT								34064
Pig	GACGTCTACAAGAAATTTTCATTCATAATGGCAA- ATACTGAATTCC- - - TTTAATCAGGATGA- - - - - AGTAAGGA								30762

Majority	TATTTGTTX- - - - - XGTAATTTTTT- - - - - AXA- - AAATGTAAATTAACTAATXAXAGXX- - - -								
	45850	45860	45870	45880	45890	45900	45910	45920	
Human	TTTAAGTGGCAAAGAAGTGACATTATAAGGATGGGTAACAAGCACATGAAAAGATAATGTTAGTCATCAGGTGATCACA								39236
PolarBear	- ATTTGCTA- - - - - TGTAATTTCT- - - - - TT- - - AAATGCAACTTATGTAAGTT- - - - -								9498
Cow	TTTTTGTCTGT- - TTGGTGGTTTTTTT- - TTTTTTTTTTTAGAAAGGC- AGAGGCAAATTGGAGATATCAGGGTCTTAA								36437
Dog	TATTTGCTA- - - - - TGTAATTTTTT- - - - - A- - - - AAATTTAAATTCAACTAATGTAAGTT- - - - -								35076
BelugaWhale	TATTCATTCAGCCATTGATGGACACTTAAGTCATTTCCCTTTGGGGAC- TATTATGAGTAAA ACTGTTAGGAGCAATCAT								33456
Donkey	TATTGGTA- - - - - GCAAATTATT- - - - - GGAAAATGAAATTTTTAAAC- - - - -								37705
Cat	GATGTGTTG- - - - - AGTAAGAGATT- - - - - GCTG- CAGCTGAGGTGAGAGGTCTTTTCC- - - - -								39584
Ferret	- ATTTGCTA- - - - - TGTAATTTTTT- - - - - AA- - - AAATTTAAATTCAACTAATTTA- - - - -								36538
Lion	TAAATGCAG- - - - - ATATTCTTAAC- - - - - AAAA- TGTTAGATTTTAGAATTATCATTTGT- - - - -								37683
Vaquita	TATTCATTCAGCCATTGATGGACACTTAAGTCATTTCCCTTTGGGGAC- TATTATGAGTAAA ACTGTTAGGAGCAATCAT								34143
Pig	TATCTGCT- - - - - TCCGCAATTTTTT- - TTCTACCTTTTGCTTACAT- TAAGGCAAGCAAATAAATAAAAAGCATAAA								30833

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Majority	AGTTAACAX- - TAAXGTGTAGXAT- - - - - T- - TGTTTCAX- - - - - A- AATTTAATGATTGAXCAAT- - - - -								
	45930	45940	45950	45960	45970	45980	45990	46000	
Human	AGTCAAACCATTAGAGATAGAATTTACACCAACTAGAATGGCTA- - - - - A- AATTAATAGATTGGCAAT- - ACC								39304
PolarBear	AGTTAACA- - - TATAGTGTAGTAT- - - - - T- - GGTTCAG- - - - - AATTGAGTGATTCATCACT- - - - -								9547
Cow	TTTTAGAGTC- TGAGAAGTAGAATATGGAGAAAATGATGTATCAAGAAATTAGAAGAATTTCTGAGTTGGGAAGTAGACT								36516
Dog	AGTTAACT- - - TACGGCGTAGTAT- - - - - T- - AGTTTCAGG- - - - - AGAATTTAGTGATGGATTTCAT- - - - -								35128
BelugaWhale	GTTCAAGTCT- TTACGTGAACATCC- - - - - ACTGTTATTCCTCTTG- - - AGTAAATGCTGAGGAGTGGAATGCCTCTT								33525
Donkey	TCTTCACA- - - - AAAACATAAGAC- - - - - AA- - - - - AAAACAAGGAATAAGT- - - - -								37743
Cat	TGCTTTCTCC- TCTAAGTTTTGA- - - - - T- - GGTTCCTGTC- T- - - CACATTTAGGTCCTTTATCCAT- - - - -								39642
Ferret	AGTTAACA- - - TAAAGTATAGTAT- - - - - T- - GGTTCAG- - - - - AATTTAATGATTCATCACT- - - - -								36587
Lion	AAATGATAAT- TCATGATTATTA- - - - - T- - TGAGGCGGACC- C- - - AAGGATTGTAAGGTTTAAAC- AT- - - - -								37740
Vaquita	GTTCAAGTCT- TTACGTGAACATCC- - - - - ACTGTTATTCCTCTTG- - - AGTAAATGCTGAGGAGTGGAATGCCTGTT								34212
Pig	GATCAGAAAG- GAAGACGTAAAC- - - - - TGTCTTGTCTACAG- TTAACGTGATTTTTAAATAGAAAAC- - - - -								30896

Majority	- - - - - TTGXAGGAATATXTAGAACXTTATT- - - - - TCAATAAGTAACCX- - - - - TTCAATA- - XCCATTACC- - - - - CA								
	46010	46020	46030	46040	46050	46060	46070	46080	
Human	GAATGTTGATG- AAGATGTGGAACGTCTTTAATTACTGCTGAGTAT- - - - - ATAACA- - - TAGTTGGG- - - - - AA								39366
PolarBear	- - - - - TATGTATAATATCCAGTGC- TCATC- - - - - CCAGCAAGTGTCT- - - CTTTAATG- - CCCGTCATC- - - - - CA								9604
Cow	T- - - - TGATAGAAGTATTAAGAGTTTTAGCCTGGAATCACTGGGTAATGGATAGTACAGTAGTTCATTAAC- - - - - AAA								36587
Dog	- - - - - TACTTA- - - CATTAAACAC- - CATC- - - - - TCAGTAAGTGTCT- - - CTTTAATA- - CCCATCACC- - - - - CA								35181
BelugaWhale	TTGTATGGTAGGTGTATGTTTAAATCCTTATGTACATTTAATGCCAAACAGTT- - TTCAAAAGTGCTTATACCATTTTACA								33603
Donkey	- - - - - TTAACAAAATATGTAAGACGTCTAT- - - - - ACCGATAACTAG- - - - - AAGA- - - - - CA- - - - -								37786
Cat	- - - - - TTGGAGTTTTATTTTTGTGAATGGTG- - - - - TGAGAAAGTGGTCTAG- TTTCAACC- - TTCTGCATG- - - - - TT								39702
Ferret	- - - - - TACCTATAACCCCAGTGC- TCATC- - - - - CCAATAAGTGTCT- - - CTTTAATA- - TTCATCACC- - - - - CA								36644
Lion	- - - - - TTCAAAAGTGAACCTCAGTG- - TAATT- - - - - TATCACAATAATAGAA- TGA- AGGG- - GAAAAAATG- - - - - TC								37797
Vaquita	TTGTATGGTAGGTGTATGTTTAAATCCTTATGTACATTTAATGCCAAACAGTT- - TTCAAAAGTGCTTATACCATTTTACA								34290
Pig	- - - - - CCAAAGGAATCTATGGAATATTTGT- TAGGACTAATAGGTGA- - - AT- - - TCAGGA- - - TTGTTAA- - - - - GGA								30955

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Majority	TCTA- X- TTAGGCCAATATGATTTTTTAAAA- - TAAAA- - - - - AACCCAAAG- - - AAATCTATAA- - - - - AAT	
	46410 46420 46430 46440 46450 46460 46470 46480	
Human	TCTGAC- CTAGTTTACTATTTTCTTACGGAGTTAAACA- - - - - TTAACCTA- - - - - TTTTATGGTCCAT- - - - AAC	39734
PolarBear	TCCA- TGTTGTCCCAACATGATTTTTTAAAA- - TAAAA- - - - - AACCCAAAG- - - GAATCTACAA- - - - - AAT	9882
Cow	ATT- - - TGAATC- ATTAAGACCTTTGAAAACCAGTAGCTGTACTTAGCTAGAA- - - AAATATACAGTTGTCATCCAA-	36951
Dog	CCCA- TGTTACGTCAACATGATTTTTTAAAA- - TA- - - - - AACCGACAG- - - AAATCTATAA- - - - - AAT	35480
BelugaWhale	CTTACATTAAGGCGAGTAAATAAATAAAAAGCATAAAGATCAGAAGGGAAGAAGTAAAAGTGTATTATTACAGTCAAC	33990
Donkey	GTCA- - - - AGCCCAATAGG- CTCTTT- - - - - TTTTTTTT- - - - -	37938
Cat	TCTTCTGCTCAATAAACATAAATTTTTTAAAA- - TAAAA- - - - - AACCCAAAG- - - GAATCTAAAA- - - - - AAT	40032
Ferret	TTCG- TGTTGTGCCAGCATGATTTTTTAAAA- - TAAAA- - - - - AACCCAAAG- - - GACTCTCAA- - - - - AAT	36916
Lion	TCTT- - - CTCAGTAAACATAAATTTTTTAAAA- - TAAAA- - - - - AACCCAAAG- - - GAATCTAAAA- - - - - AAT	38118
Vaquita	CTTACATTAAGGCGAGTAAATAAATAAAAAGCATAAAGATCAGAAGGGAAGAAGTAAAAGTGTATTATTACAGTCAAC	34678
Pig	AC- - - - - AGGC- ATTTA- - - CATTGAAAGTGATTA- - - - - CTTGATCTAAA- - - - - ATCTATGTGG- - - - - AA-	31288

Majority	- - - - - GTTTXAXAGAACTGATCATTGAXXTT- - - - - AGAATGGTXXATGATT- - CAAGTTCAATATACAAAA	
	46490 46500 46510 46520 46530 46540 46550 46560	
Human	TTCTACTTTTAGTTTTTTACCCAGTAAGAAC- - - ATGTTTGCTGTAAAACCTTGTATGTGTATCAAAAACCTTA- CTGATA	39810
PolarBear	- - - - - GTTTTGTAGAACTGATCATTGAATTT- - - - - AGAAGGGTTACATAATA- - CAAGTCCAATATACAAAA	9943
Cow	- - - ATGTCTCAA- AACAGACTTTACAGACA- - - AATATTACTAGGACATTTTTATGATTGTGATGCAAAAATAGTATT	37024
Dog	- - - - - GTTTTGTAAAATAATCATTGAAT- - - - - G- - - - GTTACATGATA- - CAAATTCAATATATAAAA	35534
BelugaWhale	ATGATTTTTTAAAATAGAAAACCCAAAGGAATCTAAATGATTTTAGAATGGTTTACAGGATAC- - AGTTCACCATACAAAG	34068
Donkey	- - - - - TTTTAAA- - - - - GATTTTC- - - - - TTTTTTATT- - - - - TATTGTT	37968
Cat	- - - - - GGTGCATAGAACTGATCAGTGAATTT- - - - - AGAATGGTTATATGATG- - CCAGTTCAGTATACAAAA	40093
Ferret	- - - - - ATTTCATAGAACTGATCACTGAATTT- - - - - AGAAGGGTTACATAATA- - CAA- - - - A- - - AAAAA	36969
Lion	- - - - - GTTGCATAGAACTGATCAGTGAATTT- - - - - AGAATGGTTATATGATG- - CCAGTTCAGTATACAAAA	38179
Vaquita	ATGATTTTTTAAAATAGAAAACCCAAAGGAATCTAAATGATTTTAGAATGGTTTACAGGATAC- - AGTTCACCATACAAAG	34756
Pig	- - - A- - T- - - AAA- AAAGAACCTAGGAGAGT- - - AAAAC- - - - - CATTTTGAAAA- - - - - AGGAAAAAAGTTGGGAT	31343

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Majority	ATAGTTTC- - - CTGATATTATTAGCAAATTTTTGGAAAATGAAATTTAAAAAAA- - - TCCATTTATAAAAATXTCAGA								
	46570	46580	46590	46600	46610	46620	46630	46640	
Human	ATGGTCCCAAACCTTGAAATAACCCAAATGTTTATCAACAGGAAAATGGATAAATTGTGGTATAATCATATAGTATATTAC								39890
PolarBear	ATAGTTTG- - - CTGATATTATTAGCATATTATTGGAAAATGAAATTTAAAAAAA- - - TGCTTTTATAAAAAT- - - - -								10010
Cow	TCATTTTTAT- GTTCCAGCTTTTTCCATGTCTGTTGTAATTGACTTT- - - ACTA- - - TATAGAATTCTTGTTTCCAAT								37095
Dog	ATTGCTTC- - - CTGATATTATTAGCAAATTATTGAAAAATGAAATTTAAAAAAG- - - TCCATTTACAAAAATATGCG-								35605
BelugaWhale	ATAATTTTTT- TCTGATATTATTAGCAAAGTTTTGGAAAATGAAATTTAAAAAAA- - - TCCGTTTATAGAAACATCAGA								34143
Donkey	TTTTTCCC- - - CCTCTTCTCCCAGTACGTAGTTGTATATTTTAGTTGTGGGTCT- - - TCTATTTGTGGCAT- - - - -								38034
Cat	ATTGTTTC- - - CTGATATTATTAGCAAATTACTGGAAAATGAAATGAAAAAAA- - - - TCCATTTACAAAAA- TACCA								40163
Ferret	ATAGTTTC- - - CTGATATTATTAGCTAATTATTAGAAAATGAAAATTTAAAAA- - - - TGCTTTTACAAAAATATGAGA								37040
Lion	ATTGTTTC- - - CTGATATTATTAGCAAATTCCTGGAAAATGAAATGAAAAAAA- - - - TCCATTTACAAAAA- - TACCA								38248
Vaquita	ATAATTTTTT- TCTGATATTATTAGCAAAGTTTTGGAAAATGAAATTTAAAAAAA- - - TCTGTTTATAGAAACATCAGA								34831
Pig	ACCATCTGAT- TTCAAGATTGATTGTAAAGTTGAAGTAATCAA- - - - - ACAA- - - TTTAGTATTAGCACAGTTAG-								31410

Majority	XAGACA- AAATATC- AAAGAATAAATTTAACAAATAATGTGGG- AGACATGTACAXCAGTAACTATAXAAGACG- - XCAA								
	46650	46660	46670	46680	46690	46700	46710	46720	
Human	TACTTACTAATAACAAAAGAATGGTTAGTAGTACATGCGAAAACATGGGTGAATAGTAAGCATTGTATGAAGCA- - - AA								39966
PolarBear	- - GAGG- AAATATC- AAGGAATAAATTTAACAAATAATGTGAG- AGACATGGACACCAGTAACTATACAAGACATAGCAA								10085
Cow	AG- - - - - CATGTC- TCAGCAGCCTTTCCCTGTCTAGACTGT- - CTTCCTCTACAGCTGTATTTCTGTCAA- G- - AAAA								37163
Dog	- AGACA- GAATATC- AGAGAGTAAATGTAACAAATAATGTGGGGAGACATGTACACCAGTAACTATACAGGACA- - - CAA								35679
BelugaWhale	AGGACA- AAATATC- AAAGAATAAATTTAACAAAAAATGTGCA- TGATAACTACATCAATAACTGCAAGGCATG- - GCAA								34218
Donkey	- - - - - GTGGGATGCCTCCTCAGCATGGCTTG- - - - ATGAGTGCTGCTAGGTCTGTGCT- - - C- - - - -								38084
Cat	GAAACACAAATATC- AAGGAATACATTTAATAAATAATTTGGG- AGACAAGTATACCAGTAACTATATAAGATGCTACAA								40241
Ferret	AAGACA- AAATATT- AAGGAATAAATTTAACAAATAGTGTGGG- AGACATTAATACCAGTAACTATACAAGACATGGCAG								37117
Lion	GAAACACAAATATC- AAGGAATACATTTAAAAAATAATTTGGG- AGACAAGTATATCAGTAACTATATAAGATGCTACAA								38326
Vaquita	AGGACA- AAATATC- AAAGAATAAATTTAACAAAAAATGTGCA- TGATAACTACATCAATAACTGCAAGGCATG- - GCAA								34906
Pig	- - - - - TGTC- ACAGAATAGTGTTTACAGAAATAAAGT- - - CTACGTTTACAGTCAATTATTTA- C- - - - - - - - A								31465

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Majority	AGAGATATTAXAGACCTAAATGAGTAAAAA- - ACCATGTTTCATGAA- TTAGAAGGCTCAATATGTT- AAAATGTCATTTT								
	46730	46740	46750	46760	46770	46780	46790	46800	
Human	AGAAACCAGACAGACCTGAAAGAGTACATAG- - - TGTGATTCCATTTCTTGAAAGTTTAAAGAGCAG- - - - - ATCATTAA								40037
PolarBear	AAAGATATTAGAGACCTAAGTGAGAAAGAA- - ACTATGTTTCATGAA- TTAGAAGGCTCAATATGTT- AAAATGTCATTTT								10161
Cow	AAAGAATTTTGTAAAGTGGGGGAAGTTAATGTTATTAGAACTTAGTCTTGGGGAAATAATCTTACTCAAAC- - TATTTT								37241
Dog	AGAAATATTAGAGACCTAAATGAGAAAGAA- - ACCATGTTTCATGAA- TTAAAAGGCTCAGTATGTT- AAAATGTCATTTT								35755
BelugaWhale	AGAGAAATTAAGACCTAAATAAATAGATAC- ACCATGTTTCATGAG- - TAGAAGGCTCAATGTGTTAAAGATGTCATTTT								34295
Donkey	- - AGAATCCGA- - - - - - ACCAGCAAAC- - - CCTGGGTCGCCAA- - - AGCAGAGCCCACGGACTTAA- - - - CCACTCA								38144
Cat	AGAGATATTAAGACCTGAATGAGGAAGAA- - ACCATGTTTCATGAA- TTAGAAGGCTCAATATGTT- AAAATGTCATTTT								40317
Ferret	AGAGATATTAGAGACCTAAATGAGAAAGAA- - ACCATGTTTCATGAA- TCAGAAAGCTCAATATGTT- AAAATGCCATTTT								37193
Lion	AGAGATATTAAGACCTGAATGAGAAAGAA- - ACCATGTTTCATGAA- TTAGAAGGCTCAATATGTT- AAAATGTCATTTT								38402
Vaquita	AGAGAAATTAAGACCTAAATAAATAAATAC- ACCATGTTTCATAAG- - TAGAAGGCTCAATGTGTTAAAGATGTCATTTT								34983
Pig	AAGGTGTCTTG- - - - - - GTCATTTAATG- - - - - GGAAA- - - - - - AGGGAAGTCTTTTTTTT- - - - - - TTTTTT								31515

Majority	CCCCTAAATTGGAT- - - - TTGAATCTATAAGTCAGTCAAGCTCAACAGGCTTTTTAAATTGAAATTGACAAG- TTGATTCT								
	46810	46820	46830	46840	46850	46860	46870	46880	
Human	TTTTTTGTTTAGAA- - - - - - A- CCAGAATGTTGGAGATTAAACAGAAAGGGAATATGGTGGCATTCTTCTGGTGTGATGGA								40109
PolarBear	CCCCTAAATTGAATGGAGTTGAATCTATAAGTCAGTCAAGCTCAACAGGCTTTTTAAATTGAAATTGACAA- - TGGATTCT								10239
Cow	GTATTAACACTAGTT- - - - TC- - - TTTAGAAGTTAAACATTTCAAAGACACAGCTCTAATGGATTGGAATTGGATTTTATT								37314
Dog	CCCCTAAATTGGATGGAATTAATCTGT- - GTCAGTGAAACTCAACAGGCTTTTTAAAATGAAATTGACAAG- TTGGTTCT								35832
BelugaWhale	TCCCCTAATTGGGA- - - - TGGAATTTATAAATCAGTCAAGCTGAACAGGCATTTACGTTGAAAGTGA- - TGAATTGATCT								34369
Donkey	GCCGTGGCACCAC- - - - - - CC- - - - - - CCAAGCCCAATAGGCTTTTTAAATTGAAATTGACAAG- TCGATTCT								38204
Cat	CCCCCAAATTGGATGGAATTGAATCTATAAGTCACTCAAGCTCAACAGGCTTTTTAAATTGAAATTGACAAG- TTGATTCT								40396
Ferret	CTCCTAAATTGAATGGAATTGAATCTTCAAGTCAGTCAAGCTCAACAGGCTTTTTAAATTGAAATTGACAAG- TGGATTCT								37272
Lion	CCCCCATATTGGATGGAATTGAATCTATAAGTCAGTCAAGCTCAACAGGCTTTTTAAATTGAAATTGAGAAG- TTGATTCT								38481
Vaquita	TCCCCTAATTGGGA- - - - TGGAATTTATAAATCAGTCAAGCTGAACAGGCATTTACGTTGAAAGTGA- - TGAATTGATCT								35057
Pig	GTCTTTTTGCTGTC- - - - TC- - - TT- - - GGGCCACTCCCGCAGCATATGGAGGTCCCAGGCTAGG- - - - G- ATCTAATC								31580

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Majority	AAAATTTA- - - - - TGTGGAAATAAAAAAXGACCTAGATX- - A- CTAAA- - - - CXTTTTCCAAAAGAAAAAATAX-								
	46890	46900	46910	46920	46930	46940	46950	46960	
Human	AACGTCC-	TATGTTAATAAACTAAGTTGCAAAACAAATCCAAAA-				GTTGTTTGAAGCAGTAGATTATC			40175
PolarBear	AGAATTTA-	TGTGGAAATAAAAAAGAACCTAGATG-	AACTAAA-			ACCATTTTCCAAAAGAAAAATGTTG-			10305
Cow	GGAAGGAA-	TGTGTAATTATTTG-	AAAGTGGG-		GAGGA-	GGCTTGACAGTG-	GTAAGATAG-		37370
Dog	AAAATTTAGAATTAGATGTGGAAATTAAAAAGGACCTAGATATAAGCTAAA-					ATCATTTTCCAAAAGAAAAA-			35908
BelugaWhale	ACACTTTA-	TATGGAAATAAAAA-	GACCTAGAAT-	AACTAAA-		GCCATTTGAAAAAGAAAAAGAA-			34430
Donkey	AAAATTTA-	TGTGGTAATAAAAAAGGACCTGGAA-			TAAA-	ACCATTTTGAAAAAGAAAAAGTTGGG			38267
Cat	AAAATTTA-	TGTGGAAATAAAAA-	GACCTAGATT-		AAAA-	CCATTTTCCAAAAGAAAAAAGT			40457
Ferret	AAATTTTA-	TGTGGAAATAAAAAAGAACTAGATG-	AACTAAATAAAACCATTTCCAAAAGAAAAAAGTCA-						37341
Lion	AAAATTTA-	TGTGGAAATAAAAAAGGACCTAGATG-			AAAA-	CCATTTTCCAAAAGAAAAAAGT			38544
Vaquita	ACACTTTA-	TATGGAAATAAAAA-	GACCTAGAAT-	AACTAAA-		GCCATTTGAAAAAGAAAAA-			35118
Pig	AGAGC-	TGTAAGTACC-	AGCCTACA-		CCAGA-	GCCACAGCAACGCGGGATCCAA-			31630

Majority	- XCAXGAT- - CTGATTTCAAGATTCACCTGTAAGTGTAGTAATCAAACA- - GTTTAATATTAGCATGATTAGT- TTTAC								
	46970	46980	46990	47000	47010	47020	47030	47040	
Human	TCTGAGAACTCTGAATTTCCAGTA-	GTTGTG-	TCTTGCTGTAATGAGAAA-			TATGAGATTGG-	GAATGAC-	TAG	40244
PolarBear	- ACATGAT-	CTGATTTCAAGATTCACCTGTAAGTGTAGTAATCAAACA-				GTTTAATATTAGCAAGGTTAGTATTTAC			10380
Cow	- - - - - GGT-	CTTTCTTGAGTCCATTTTATATAGGTACAGAAATGAGATACCTCTTTAAGTTAGG-	TATATTTT-	TGCCA					37441
Dog	- TCACAA-	CTGATTTCAAGATTCACCTGTAAGTGTAGTAATCAAACA-				GTTTAACATTAGCAAGATTAGTTTTTAT			35982
BelugaWhale	- - - - - GAG-	TTGGAATACTATTTGATTTCAAGAGTAAAGTAATCGCAGC-				AGTTTAGTATAGCATGATTAGT-	GTCTC		34500
Donkey	ACACTCACTGTCTGATTCAGGATTCACCTGTAAGTGTAGTAATCAAACA-					GTTTAGTATTAGCATGATTAGT-	GTCTC		38345
Cat	GACACTAT-	CTGATTTCAAGATTCACCTGTAAGTGTAGTAATCAAACA-				GTTTAATATTAGCAAGGATTAGTATTTAT			40533
Ferret	- ACACGAT-	CTAATTTCAAGATTCACAGTAGACTTGTAGTAATCAGACA-				GTTTAGTATTAGCAAGGTGAGTATTTAC			37416
Lion	GACACTAT-	CTGATTTCAAGATTCACCTGTAAGTGTAGTAATCAAACA-				GTTTAATATTAGCAGGATTAGTATTTAT			38620
Vaquita	- - - - - GAG-	TTGGAATACTATTTGATTTCAAGAGTAAAGTAATCACAGC-				AGTTTAGTATAGCATGATTAGT-	GTCTC		35188
Pig	- - - - - GCC-	GCATCTGCAACCTACACCACA-	GCTCACGGCAACGCCCGA-			TCCTTAACCCAC-	TGAGCAAC-	GGCAG	31697

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Majority	AGAATAGTGTXCAGAAATAAACTCCTACATTTAAGGTCAGC- TGATTATTTACAAAGGTGCCTTGGTCATTCAA- - - - -								
	47050	47060	47070	47080	47090	47100	47110	47120	
Human	GTGAGTCCATGTAGCAGGGGCC- - - TAGATGTGGGATTTGA- TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG- - - - -								40314
PolarBear	AGAATAGCGTACAGAAATAAACTCCTACATTTAAGGTCAC- TGATTACTTACAAAGGTGTCTTGGTCATTCAA- - - - -								10453
Cow	GTGCTGCTGTTAATCTGTAGCATCAGGATTTTGTGAAAGTATGACTTTTTATTTTATTATGTGAATCATTTTA- - CGGA								37519
Dog	AGAATAGTGTACAGAAATAAAC- - - TACAGTTAAGGTCAGC- TGATTACTTACAAAGGTGTCTTGGTCATTTCAG- - - - -								36052
BelugaWhale	AGAACAGTATTTATAAATAAACTCCTACATTTAAGGTCAGT- TGATTATTTACAAAGTCCCTTGGTCATTTAATGGTGA								34579
Donkey	AGAATAACGTTTACAGAAATAGACTCCTACATTTAAGGTCAAT- TGATTATTTACAAAGGTGCCTTGGTCATTCAA- - - - -								38418
Cat	AGAATAGTGTGCAGAAAGAAGCTCCTATATTTATGATCAAC- TGATTATTTACAAAGGTGCCTTGGTCATTTCAT- - - - -								40606
Ferret	AGAATAGAGTGCAGAAAGTAAACACCTACATTTAAGGTCAC- TGATTACTTACAAAGGTGTCTTGGTCATTTCAG- - - - -								37489
Lion	AGAATAGTGTGCAGAAAGAAGCTCCTATATTTATGATCAAC- TGATTATTTACAAAGGTGCCTTGGTCATTTCAT- - - - -								38693
Vaquita	AGAACAGTATTTATAAATAAACTCTTACATTTAAGGTCAGT- TGATTATTTACAAAGTCCCTTGGTCATTTAATGGTGA								35267
Pig	GGATCG- - - - - AACCACAGCCTCATGGTTCC- TAGTCAGATTGGTTAACCCTGCGCCACGATGAGAACTCCA- - GGGA								31769

Majority	- - - - - T - - TGGAGAAATGGTG CXAGAAXACTXX- - GAAACACATATGAAAAAAA- GAAACXCAAAC- - - - -								
	47130	47140	47150	47160	47170	47180	47190	47200	
Human	- - - - - TGTGTGTGTGTAGCTTGGACTTTAACAGATTTACATTTTAGAAAAGA- - ATTTTTGTTC- - - - -								40370
PolarBear	- - - - - T - - TGGAGAAATGGTGCCAGAAAACAATTGGAAACACATATGAAAAAAAAGAAACTCAAAC- - - - -								10512
Cow	T- - - - - TCTGTTACATGTTACTCAGAACTGTTTGA- GATATGTCTGTTTTAACTTTTATATACAGACGTTTTTGT								37589
Dog	- - - - - T - - TGTGGAAATGGTGCCAGAAAACAGTTGAAACAGATATGAGAAAAA- GAAACTCAAAC- - - - -								36110
BelugaWhale	AAGGGAAGTATTTTTAACAAAGTGGTGCTAGAACAGTTG- - GATACACAAATGAAAACAACAAAAAATTAGAAACTCAA-								34656
Donkey	- - - - - TGGGG- - - - - AAAGAGAAGTTTTCTCAA- CAA- - - - -								38444
Cat	- - - - - T - - TGGGGAAATGGTGCCAGAAAACA- - - GAAACACATATGAAAAAAA- GAAAC- - AAAC- - - - -								40658
Ferret	- - - - - T - - TGGAGAAATGGTG- - - - - GAAACACATATGAAAAAAA- GAAACTCAAAT- - - - -								37533
Lion	- - - - - T - - TGGGGAAATGGTGCCAGAAAACA- - - GAAACACATATGAAAAAAA- GAAAC- - AAAC- - - - -								38745
Vaquita	AAGGGAAGTATTTTTAACAAAGTGGTGCTAGAACAGTTG- - GATACACAAATGAAAACAACAAAAAATTAGAAACTCAA-								35344
Pig	AG- - - - - TCTAGCACAAATGGTGCTAGAACAATTG- - GATATGCACATGAAAACCTCACATTAGAAAC- - - - -								31830

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Majority	-----T-----ACTTXATACTGTA-----CAGAAAAAGT-----AGATG-----AATX--TATACCTAAA-----CCTA									
	47210	47220	47230	47240	47250	47260	47270	47280		
Human	-----C	ATTTGTATTT	CACAGG--	TAGGATCAGTAT-	TGTATAGAG--	GGGAGAATAGT	TTTTAAAA--	----	CATT 40430	
PolarBear	-----T-----	ACTTAATACAGTA-	-----	CAGAAATAAT-	----AGATG-	-----	AATA--TATACCTAAA-	-----	CCTA 10559	
Cow	ATGATGTCATTTT	ATTTTATTGTAACG	TTTTGAAAATATT	CCAGCACGTTG	TTTCAGTTTGAAT	CTCTATAAGGGT	CCTA		37669	
Dog	-----T-----	ACTTAATATTGTA-	-----	CAGAAATATT-	----AGATG-	-----	GATA--TATACCTAAA-	-----	CCTA 36157	
BelugaWhale	-----	ACCTTACTTCATGCCATA-	-----	CGGAAAAAG-	-----	ATG-	-----	AATT-ACATACCTAAA-	-----	CCTA 34705
Donkey	-----	ATGGTG-	-----	CTAGAACAGT-	-----	TG-	-----	GATA--CACGTATGAA-	-----	38476
Cat	-----T-----	ACCTGATACTGTA-	-----	CAGAAAAGTT-	----AGATG-	-----	GATG--TATATCTAAA-	-----	CCTA 40705	
Ferret	-----T-----	ACTTAATACAGTA-	-----	CAGAAATAAT-	----AGATG-	-----	AATA--TATACCTAAA-	-----	CCTA 37580	
Lion	-----T-----	ACCTGATACTGTA-	-----	CAGAAAAGTT-	----AGATG-	-----	GATG--TATATCTAAA-	-----	CCTA 38792	
Vaquita	-----	ACCTTACTTCATGCCGTA-	-----	CGGAAAAAG-	-----	ATG-	-----	AATT-ACATACCTAAA-	-----	CCTA 35393
Pig	-----	TCAGTCCTTCATACTGTA-	-----	CAGAAAAAG-	----AGGATG-	-----	AATT-ACATACCTAAA-	-----	CCTC 31882	

Majority	AAAAA--TAAATATACAAAGCTTTTTXAGAAAAAAA--TTATAGAATAT-ATCCTCAACCTTGA--GGTAAATG--AAG								
	47290	47300	47310	47320	47330	47340	47350	47360	
Human	ACGGTAGTTCATTC-	CAAAGATACCAAGGT	CCTGAATTTTAGGGT	CTTGGAAGGAGAAT	GCAGGAAATGATA	AAAACGAG			40508
PolarBear	AGAAAC--TAAATATATA	AAAGCTTTTTTAAAA	AAAA--TTGTAGAATAT-	ATTCATGAACTTGA-	GGTAAATA-	-----			10626
Cow	ACAACATGTCCTCCT	GCATAGAGGTGATGAG	AGCCT-TCCTCTAATATAGT	CTGCATGCTTAGT	CGGTCAGTCGT	CAGTC			37748
Dog	AAAAA--TATATA	AACTTTTTTA--	AAAA--TTACATTATAT-	AT-CACAAACTTGA-	GGTAAATGA-	-----			36217
BelugaWhale	AAATC--TAAATATGCAA	AGCTTTTAAGAAAA	AAAAAATCCTAGAATGT-	ATCCTCAACCTTGG-	GGTAAAT--	GAAG			34775
Donkey	-----	AAAAGCTTTAAGAAAA	AAAA--TCATAGACTGT-	ATTCTCAACCTTAG-	CATAAATG-	----			38532
Cat	AAAAAC--TAAATACATA	AAAGCATTTTG--	AAAA--ATATAGAGTAT-	ATATCTAACCTTCA-	GGTAAATGAAG	ATTT			40776
Ferret	AAAAAC--AGAATGTA-	AAAGCTTTTTTA-	AAAA--TTATAGAATAT-	ATTCAC-AACTTGA-	GGTAAAGA-	-----			37644
Lion	AAAAAC--TAAATACATA	AAAGCATTTTG--	AAAA--ATATAGAGTAT-	ATATCTAACCTTCA-	GGTAAATGAAG	ATTT			38863
Vaquita	AAATC--TAAATATGCAA	AGCTTTTAAGAAAA	AAAAAATCCTAGAATGT-	ATCCTCAACCTTGG-	GGTAAAT--	GAAG			35463
Pig	ACAAC-TATAAATAGGCAA	AGCTTTTGAGAAAA	AAAA--CCCTAAAATAT-	GTCTTCAATCTTAAGGGT	AAAT--	GAGA			31955

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Majority	TTTTCT- AGAXAAGAC- - - - - ACAAAAA- CCACTAXCCATAAAGGAATAATTTATAAACTCTACAXTXCATCTAAATGA								
	47370	47380	47390	47400	47410	47420	47430	47440	
Human	TTATCTGGAAGAAGACAAGTTT	GGAATAA- - - - T- -	ATTAAAGAGTTTTGTCTT	AGAATCACTGGGTTGGT	AGAAGATGA	40582			
PolarBear	TTTTTT- AGAGAAGAC- - - - -	ACAAAAA- CCACTACCCATAAAGCAATAATTTATAAACTAGACAGTTTACCTAAATGA	10698						
Cow	ATGTCTGACTATTTGTGACCCTATGGAATGTAGCCTGCCAGGCTCTTCTGTCTTGGAAATTCTACAGGCAAGAATACTGG	37828							
Dog	TTTTTT- AGAGAAGAC- - - - -	AC- AAA- - - - - CTACCCATAAAGGAATAGTTTATAAACTAGACATTTACCTAAATTT	36284						
BelugaWhale	ATTTCTTAGAAAAGGT- - - - -	ACAAAAATACACTAACCATAAAGGAATACTTTACAAA- - CTAGAGTCCATCTAAATGA	34847						
Donkey	CTTTCTCACACAAGAC- - - - -	AAAAAA- - - CACTGACTGTAAAGGAATAATTTATAAA- - CTAGACTCCATCTAAACTA	38601						
Cat	TTTTTT- AGAGAACAC- - - - -	ACAAAAA- CCACTACCCATAAAGAATAATTTATAAACTAGACATTTACCTAAATGA	40848						
Ferret	TTTATT- AGGAAAGAC- - - - -	ACGAAAA- CCACTACCCATAAAGCAATAGTTTATAAACTCCACATCTTACCTAAATGA	37716						
Lion	TTTTTTTTAGAGAACAC- - - - -	ACAAAAA- CCACTACCCATAAAGAATAATTTATAAACTAGACATTTACCTAAATGA	38936						
Vaquita	ATTTCTTAGAAAAGGT- - - - -	ACAAAAATACACTAACCATAAAGGAATACTTTACAAA- - CTAGAGTCCATCTAAATGA	35535						
Pig	ATTTCTGAG- ATAGGTTACC- -	AAAAAAACCCACTAACCAAAAAGGACTGCTTTACCAA- - CTAGAGGCCATCTCAATGA	32030						

Majority	XAXAA- TT- - - - - - CTCATCAAAG- ACATTGTT- AAGACAATGAAAAGGCAA- GG- - - - - CACAGATTGGGAAAAGA							
	47450	47460	47470	47480	47490	47500	47510	47520
Human	TG- - - - -	CCATTAACAA- AGGGGG- -	AAAAGTAGGAAAAGGAGACTCG- - -	TTTTTGGTGGGAAAAAAG	40640			
PolarBear	- AAAACTT- - - - -	CTCATCAGAAG- ACATTGTT- AAGACAGTAAAAAGGCAA- GT- - - - -	CACAGATTGGAAAAAGA	10761				
Cow	AGTAGGTTGCTATTTGCTCCTCCAGGGTATCTTCCC- GACCCAGGGTTGAACCCACATTTTCTCCTGTATTGGCAGGTGG	37907						
Dog	TAAAAATT- - - - -	CTCATCAAAG- ACGTT- - - -	AAGACCATGAAA- GCCAA- AT- - - -	CACAAATTGGGAAAAGA	36344			
BelugaWhale	AA- ACCTT- - - - -	CTCATCAAACG- ACATTATT- AAGAGAATGAAAAGGC- ACGG- - - -	CACAGGCTGAGAGAAAA	34910				
Donkey	GA- - - - -	CTCATCCAAAA- ACATT- - - -	AAGACAATGAAAAGGCAA- GG- - - -	CACAGACTGGGAGGAAA	38656			
Cat	- AAAA- - - - -	CTCATCAAAG- TCACTGTT- AAGACAATGAACAGGCAA- GG- - - -	CACGGGTTGGGAAAAGA	40908				
Ferret	- AAACCTT- - - - -	CTCATCAGGAG- ATGTTGTTAAGATAATGAAAAGACAA- GT- - - -	CACAGATTGGGAAAAGA	37780				
Lion	- AAAA- - - - -	CTCATCCAAAG- TCACTGTT- AAGACAATGAACAGGCAA- GG- - - -	CACGGGTTGGGTAAAGA	38996				
Vaquita	AA- ACCTT- - - - -	CTCATCAAACG- ACATTATT- AAGAGAATGAAAAGGC- ACGG- - - -	CACAGGCTGAGAGAAAA	35598				
Pig	AA- AA- - - - -	CTCCTCAAAG- ACATTGTT- AAGACAATGAAAAGGTGA- GG- - - -	CACAGACTGGAAGAAAA	32090				

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Majority	TAXTAATATTCACATATTTATXCATA- - TXTCTGA- CAAAGGACTT- - - - GTATCCAGAGTATGTAAGAATTCTTT- - -	
	47530 47540 47550 47560 47570 47580 47590 47600	
Human	AATAATCCGCTACTGTTCTGTTTTTTTTGTTTGTGTTTTGTTTTTATTTTTTATTGATCATTCTTGGGTGTTTCTCGC	40720
PolarBear	TACTAATATTCACATATTAATACATA- - TATTTG- - CAAAGGACTT- - - - GTATGCAGAGTATATAAGAATTCTTTCAA	10833
Cow	- ATTCTTTACAACACTGAGCCACC- - - - - - - - TGG- GAATCCACTT- - TGTTGGCCAGTCACTCAGTCACGTCCAAC- - -	37970
Dog	TGCTAATACTCACATATTAATACATA- - TATCTAA- CAAAGGACTT- - - - GTATGCAGATTATATACAGAATTCTTT- - -	36414
BelugaWhale	TATTAATATTCATTCAGATATCAATACATGTCTGA- CATAATAAATACTTATATCCAGAGTACGTAAGAATTCTTG- - -	34986
Donkey	GAGCAGTATTCACATATCAATACGTA- - TGTCTA- - CAAAGGACTT- - - - GTATCCAGAGTATGTACAAAATGCTTC- - -	38725
Cat	TCCTAATATTCACATATTTGTGCATA- - TATCTGA- CAAAGGACTT- - - - GTATCCAAAATAGCTTAAGAATTCTTT- - -	40978
Ferret	TACTAATATTCACATATTAATACATA- - TTTTTG- CAAAGGACTT- - - - CTCTGCAGAATATATAAGAATTTTCTTTC	37853
Lion	TCCTAATATTCACATATTTGTGCTTA- - TATCTGA- CAAAGGACTT- - - - GTATCCAAAATAGCTTAAGAATTCTTT- - -	39066
Vaquita	TATTAATATTCATTCAGATATCAATACATGTCTGA- CATAATAAATACTTATATCCAGAGTATGTAAGAATTCTTG- - -	35674
Pig	TATTAATGTCCACATATTTATC- - - - - - - - TGA- CAAAGGACTTA- TAATACCCAGAGTATGTAAGAAATTCTTC- - -	32155

Majority	- - - - - XACATCTXTAAATACAAACAGCCTAAT- - TTTTTTAAATAGACAAAAGAAGGTATATGAATG	
	47610 47620 47630 47640 47650 47660 47670 47680	
Human	AGAGGGGGATTTGGCAGGGT CATAGGACAATAGTGGAGGGAAAGGT CAGCAGATAAACAAGTGAACAAAGGTCTCTGGTTT	40800
PolarBear	AAAAAGAAAGGATTCTTTCACATCTATAAATACAAACAGCCTAAG- - TTTTTGAAAAAGACAAAAGAAGGTATATGAATG	10911
Cow	- - - - - TGTGTTG- CAGCACGCCAGGTTTCCCT- GTCCTT CACCGACTTGCAGAGTTTGCTCAAAC	38028
Dog	- - - - - GAAAAAATTCTTTCACATCTATAATTACAAACAGCATAATT- TTTTTGAAATAGGTGAAAGAA- - CATATGAATA	36486
BelugaWhale	- - - - - CATGTC- AAATACAAAGAGACTAAT- - - TTTTTAAATGGACAGAAGAAGGTACACGAA- -	35040
Donkey	- - - - - ACATCAATAAATAGAAACAACCTAAT- - - GTTTTTAATGAGTGAAAGAAGATATACAAATA	38783
Cat	- - - - - CACATCTGTAAGCACAAACAGCCTAATTTTTTTTTGAAATAGACCAAAGAAGGTATATGAATG	41040
Ferret	TT- - TGAAATAATTCTTTCACATCTATAAATACAAATAGCCTAA- - - TTTTTGAAATAGATAAAAAGAAGGTATATGACTG	37928
Lion	- - - - - CACATCTGTAAGCACAAACGGCCTAATTTTTTTTTGAAATAGACCAAAGAAGGTATATGAATG	39128
Vaquita	- - - - - CATGTC- AAATACAAAGAGACTGAT- - - TTTTTAAATGGACAGAAGAAGGTACACGAA- -	35728
Pig	- - - - - CACAT- - CGGTACGAACAGCTTAATC- TTTTTTAAATGGACAAAAGAAGGTACATGAA- T	32211

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Majority	----- GCT ----- AATAAGCACATGAAAATAT----- XTATTAGTCATCAGGAAAACACAAGTTATAA ACTACTGTGAGG							
	47690	47700	47710	47720	47730	47740	47750	47760
Human	TC-----	CTAGGCAGAGGACCCTGCGGACTTCCGC-	AGTGT	TTGTGTCCCTGGGT	CCTT	GAGATTAGGGAGTGGT	GATG	40873
PolarBear	-----	GCT-----	GATGAGCACATGAAAATA-	- C-	ATATTAGTCATCAAGAAA-	- CACGTTATACCTACTGTGAGG		10973
Cow	CATGCCCGTTGAGTTGGTGATATCATCCAAGCATCTCATCCTCTGTCATCCCTTTCTCCTCCTTTCCCAGCATTAGGGTC							38108
Dog	-----	GCTG-	ATAATAAGCACATGAAAATA-	- T-	GTATTAGTCATCAAGAAAACACGGGTTATAA	ACTGCTGTGAGA		36553
BelugaWhale	-----	TGGCTAAATAAGCACATGAAAAGAT-	- - -	TTATTAGTCATAAGGAAATCACAATTTATAGCTAATATGAGA				35107
Donkey	-----	GCT-----	AATAAGCACAGGAAAACAT-	- - -	ACATTAGTCATCAGGAGAAAACAAGTTATAA	ACCACTGTGGGG		38847
Cat	-----	GTT-----	GATAAATGCACGAAAATAA-	- T-	ATATTTGTCATCAGGAAAACACAAGTTATAA	ACTGCTGTGAGG		41105
Ferret	-----	GCT-----	AATGAGCACATGAAAATA-	- T-	ATACTAGTCATCAAGAAAAAGCAAGTTATAA	ATTGCTATGAGG		37992
Lion	-----	GCT-----	GATAAATGCACAAAAA-	- - - - -	TATTTGTCATCAGGAAAACACAAGTTATAA	ACTGCTGTGAGG		39188
Vaquita	-----	TGGCTAAATAAGCACATGAAAAGAT-	- - -	TTATTAGTCATAAGGAAATCACAATTTATAA	ACTAATATGAGA			35795
Pig	-----	G-----	GCTAATAGGCACATGTAAAGAT-	- - -	TTATTAGTCATAAGGAAATCACGGTTTATAA	ACCACTACAAGA		32276

Majority	TATCAXGTCACACCAACT- - - AGAATCTAGGCTAAA- ATTAACAGATTGG- - - - - - - - - - CAATGCTAAATGTT- - - G								
	47770	47780	47790	47800	47810	47820	47830	47840	
Human	ACTCTTAACGAGCATGCT- - - -	GCCTTCAAGCATCT-	GTTTAA	CAAAGCACATCTTG-	- -	CACCGCCCTTAATCCATTTA		40945	
PolarBear	CGTCCTGTGATGCCAACT- - -	AGAATCTTGGCTAAA-	ATTAAC	AGATTGG-	- - - - - - - - - -	CAACA- AAAACA-	T- - - G	11033	
Cow	TTTTCTAATAAGTTGGCTCCTTGCATCAGGAATATTCATTGGAAGGACTGATTCTGAAGCCACAGTACTGGAGCTTCCA							38188	
Dog	TAT- - -	GTCACACCAACC-	- - -	AGAATTTAGGCTCAC-	ATTAAC	AGATTGG-	- - - - - - - - - -	CAACA- TAAGCGTT- - - G	36611
BelugaWhale	TACCACTTTAGACCAACT- - -	AGAATCTAGGCTAAA-	GTTAA	ACAAATCGG-	- - - - - - - - - -	TAATGCCAAATGTT- - - G		35169	
Donkey	TACCACTTACGCCAACT- - -	AGAATCTAGGCTAAA-	GTTAA	ACAGATTGG-	- - - - - - - - - -	CAATGCCAAATGTT- - - G		38909	
Cat	TAT- - -	GTCACACCCACT-	- - -	GGAATTTAAGCTAAA-	ATTAAC	CGGATTGG-	- - - - - - - - - -	CAATG- TAAATGTT- - - G	41163
Ferret	TATCTTGTGATGCCAACT- - -	AGAATTTTGGCTAAA-	GTTAA	ACAGATTGG-	- - - - - - - - - -	CAACA- TAAA- - - T- - - G		38050	
Lion	TAT- - -	GTCACACCCACT-	- - -	GGAATTTAAGCTAAA-	ATTAAT	GGATTGG-	- - - - - - - - - -	CAATG- TAAATGTT- - - G	39246
Vaquita	TACCACTTACGCCAACT- - -	AGAATCTAGGCTAAA-	GTTAA	ACAAATCGG-	- - - - - - - - - -	TAATGCCAAATGTT- - - G		35857	
Pig	TACCACTACAGATCAACT- - -	AGAATCTAGGCTAAA-	ATTAAC	AGATTGG-	- - - - - - - - - -	CAGTGCCAAATGTT- - - G		32338	

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Majority	ATGAGGA- - - TGTGXGAGCAAAT- - - TGGAACAATTTGCCATTGCTGGTGAXAGTGTAAAATAGTTTGGAAAACAAC- - -								
	47850	47860	47870	47880	47890	47900	47910	47920	
Human	ACCCTGA-	GTGGACACAGCACATGTTTCAGAGAGCAGAGGGTTGGGGTAAGGT	CACAGATCAA-	CAGGATAAGAAT-	- - -	41020			
PolarBear	ATGAGGA- - - -	TATAGAGCAA-	- - -	TGGAACAGTTTACCATGGCTGGTAAAAATGTAAAATAGTTTGGTAAACAGC-	- - -	11102			
Cow	ATCAGTC-	- - -	CTTCCAGTGAATATTCAGAATTGATTTCTTTAGCATTGACTGGTTTTATCTCCTTGCAGTCCAAGGGA			38264			
Dog	ATGAGGA- - - -	CGTAGCGAGGAC-	- - -	TGGAACAACCTCACCATGGCTGGTAAAAATATAAAAATAGTTTGGAAAACAAC-	- - -	36681			
BelugaWhale	ATGAGGA- - - -	TGTGGAGCAGCT-	- - -	GAAACTATATGCCATTGTTGGTGAGTG-	-	TAAAATAG-	TTGGAACACA-	G-	35234
Donkey	ATGAGGA- - - -	TGCAGAGCACCTG-	- -	GCACTTTTTTGGCATTGTTGGTGAGAGTGTAAAATAGTTTGGAAAACA-	- - -	G-			38978
Cat	ATGAGGAAGGATGTGGAGCAGT-	- - -	TGGAACAACCTTGGCATTGCTGGTGAAAGTGTAAAATAGTTTGGAAAACAAC-	- - -	41236				
Ferret	ATGCAGA- - - -	TATAGAGCAAG-	- - -	TGGAACAATTCACCATGGCTGGTAAAAGTGTAAAATAGTTTGGAAAACAGC-	- - -	38119			
Lion	ATGAGGAAGGATGTGGAGCAAT-	- - -	TGGAACAACCTTGGCATTGCTGGTGAAAGTGTAAAATAGTTTGGAAAACAAC-	- - -	39319				
Vaquita	ATGAGGA- - - -	TGTGGAGCAGCT-	- - -	GAAACTATATGCCATTGTTGGTGAGTG-	-	TAAAATAG-	TTGGAACACA-	G-	35922
Pig	ATGAGGA- - - -	TGTGGAGCAAAC-	-	T-AAAACATACGCCATTGCAGGTGAGAGTGTAAAATAGTTTGGAAAACA-	G-	32407			

Majority	- - TTTGGCAGTATCTTATA- - - - - AAGTTAAACA- - - - -								
	47930	47940	47950	47960	47970	47980	47990	48000	
Human	- TTTTCTTAGTACAGAACA-	- - - - -	AAATGAAAAGTCTCCCATGTCTACCTCTTTCTACACAGACACGGCAACCATCCGA						41093
PolarBear	- - TT-	GGCTGTATCTTACA-	- - - - -	AAGTTAAACA-	- - - - -				11128
Cow	CTCTCAGGAGCCTTTCCAACATCACAATTCAAAAG-					C-			38300
Dog	- - TT-	GGCAGTATCTTATA-	- - - - -	AAGTTAAGCAGCCTATGACCCAGTACTTCTACATCAAGTTTTCTACCT-	- - - - -				36746
BelugaWhale	- - TTTGGCAGTTTCTTATA-	- - - - -	AAGTTAAAC-	- - - - -					35260
Donkey	- - TTTGGCAATTTCTTAGA-	- - - - -	AAGTTAGACA-	- - - - -					39005
Cat	- - TTTGGCAGTATTTTATA-	- - - - -	AAGTTAAACATGAATACAGCTTATGACCTCGTACTTTCTGGTCTAGGTTTTTTTT						41308
Ferret	- - TT-	GTCATTATCTTATA-	- - - - -	AAGTTAAACA-	- - - - -				38145
Lion	- - TTTGGCAGTATTTTATA-	- - - - -	AAGTTAAACATGAAGACAGCTTATGACCTCGTACTTTCTGGTCTAG-	- - - - -					39382
Vaquita	- - TTTGGCAGTTTCTTATA-	- - - - -	AAGTTAAAC-	- - - - -					35948
Pig	- - TTTGGGAGTTTCTTAGA-	- - - - -	AGGTCAAAA-	- - - - -					32433

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Majority	-----ATAAACA-X-----								
	48010	48020	48030	48040	48050	48060	48070	48080	
Human	TTTCTCAATCTTTTCCCCACCTTTCCCCCTTTCT-----A-----TTCCACAAAACCGCCATTGTCATCATGGC								41158
PolarBear	-----TGAACATG-----								11136
Cow	-----ATGAATTCT-----								38309
Dog	-----AG-----TGAAAAAGA-----								36757
BelugaWhale	-----ATAAACA-----								35267
Donkey	-----TAA-CC-----								39010
Cat	TTTTTTTTTTTTTTTCCAACGTTTATTTATTTTGGGACAGAGAGACAGAGCATGAACGGGGGAGGGGCAGAGAGAG								41388
Ferret	-----TAAACATG-----								38153
Lion	-----								39382
Vaquita	-----ATAAACA-----								35955
Pig	-----ATAAATA-----								32440

Majority	-----GCCTA-X-TXTGACCCAGXXXXT-----								
	48090	48100	48110	48120	48130	48140	48150	48160	
Human	CCGTTCTCAATGAGCTGTTG--GG-----TACACCTCCCAGACGGGGTGGTGGCCGGGCAGAGGGGCTCCTCACT								41226
PolarBear	-----GCCTA-----TGACCCGGTACTT-----								11154
Cow	-----TTGGTGC--TCAGCCTTCTTTATGGTCCAAC--T-----								38339
Dog	-----CTTGTGC--AGCCTA-----TGACCCAGTACTT-----								36783
BelugaWhale	-----T-----GTCCTATGACCCAG-----								35282
Donkey	-----CTACCCTACAGCCTAGTACTT-----								39031
Cat	AAGGAGACACAGAATCGGAAACAGGCTCCAGGCTCTGAGCCATCAGCCAGAGCCTGACGCGGGGCTCGAACTCCCGGCC								41468
Ferret	-----GCCTA-----TCACCCAGTACTT-----								38171
Lion	-----								39382
Vaquita	-----T-----GTCCTATGACCCAG-----								35970
Pig	-----AATCTACCTTGTGACCTCG--T-----								32460

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Majority ----- CT- C- ----- XTCTAGGTTTTTTACCC- AG
                    48170      48180      48190      48200      48210      48220      48230      48240
Human      TCCCAGTAGGGG- - - CGGCCGGGCAGAGGCCGCCCTCACTCCCCAGTAGGGGCAGCCGGGCAGAGGCGCCCCTCACCTCC 41303
PolarBear ----- ATACA----- TCTAGGTTTTTTCCCCAA 11177
Cow        ----- CT----- CTTATCCGTACATGACT- CC 38360
Dog        ----- CTACA----- TCAAGGTTTTTCTACCTAG 36806
BelugaWhale ----- TACTTCCATTTCT----- 35295
Donkey     ----- CTAC----- TTCTAGGTTTTTTACCC- AG 39053
Cat        CGCGAGATCGTGACCTGGCTGAAGTCGGACGCTCAACCGACTGCGCCACCCAGGCGCCCGTTCTAGGTTTTTATCC- AG 41547
Ferret     ----- CTACA----- TCTAGGTTTTTTACCC- AA 38193
Lion      ----- GTTTTTACGC- AG 39394
Vaquita  ----- TACTTCCATTTCT----- 35983
Pig       ----- AT----- TTCCTAGGTTTTTTACCC- AT 32481
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Majority TGAAAA- X- - X- C- X- - - AGACTTGTACAAATATGTGTATAAAAAAC- - - - - TTTATTTATGATGGTCCCAAACCTTGA
                    48250      48260      48270      48280      48290      48300      48310      48320
Human      CGGATGGGGCGGCTGGCCGGGCGGGGGGCTGACCCCCCACCTCCCTCCCGGATGGGGCAGCTGGCCGGGCGGGGGGCTG 41383
PolarBear  TGAAAA- - - - - GGACTTGTACAAATATGTATATAAAAAAC- - - - - TTTATTCATCATGGTCCCAAATGTGA 11237
Cow        TGGAAAAACATGCACAGCCTTAACGATACCGACCTTTGTGAGCAAAGTAACGTCTCTACTTTTAAATACTAAGCTTGT 38440
Dog        TGAAAA- - - - - AGACTTGTGCAAATATGCATATAAAAAAA- - - - - TTTATTCATGATAATCCCAAACCTTGA 36867
BelugaWhale ----- AGTTGTACAAATGTGTGTATAAAAAA- - - - - CTATTTATAATGGTCCCAAACCTTGA 35346
Donkey     TGAAAACACGTTCCCTACAAGACTTGTGCAAATATGTGTATAAAAAAC- - - - - TTCATTTCGTGATGGTCCCAAACCTTGA 39127
Cat        TGTA AACATGTTCACTGTAAGACTTGTACAAA- - TGTGTATAAAAAAC- - - - - TTGATTTATGATGGTCCCAAACCTTGA 41619
Ferret     TGAAGG- - - - - AGACTTGTACAAA- ATGTATATAAAAAAA- - - - - TTTATTCATGATGGTCCCAAACCTTGA 38253
Lion      TGTA AACATGTTCACTGTAAGACTTGTACAAA- - TGTGTATAAAAAAC- - - - - TTGATTTATGATGGTCCCAAACCTTGA 39466
Vaquita  ----- AGTTGTACAAATGTATGTATAAAAAAA- - - - - CTATTTATAATGGTCCCAAACCTTGA 36035
Pig       TGAAAACATGTTCACTACAAGAGTTATACAAATGTGTGTATAGAAAA- - - - - CTATTTATAATGGTCCCAAACCTGT 32553
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Majority	AATTACCCAAAT- GTCTGTCA- - - - - ATAGGAAAATGGGTCAATGAATTGTTG- TATAATCATACAGTXGATTACT- - -								
	48330	48340	48350	48360	48370	48380	48390	48400	
Human	ACCCCCCACCT- CCCTCCCGGACGGGGCGGCTGGCCGGGCTGGGGGCTGACCCCCGCCACCTCCCTCCCGGACGGGGC-								41461
PolarBear	AATTA- CCCAGT- GTCTGTCA- - - - - GTAGGAAAATGGGTCAATGAATTGTTG- TATAATCATACAGTAGATTACT- - -								11305
Cow	CATTGCTT- - - - - TTCTTCGA- - - - - AGGAGCAAGCATCTTTAATTTTCATTGCTCCAGGCACCATCTGCATTGATGTT								38509
Dog	AATTATCCAAAT- GTCTGTCA- - - - - GTAGAAAATGGGTCAATGAATTCT- - - - - AATCATGCAGTAGATTAGT- - -								36931
BelugaWhale	AACAATCTAAATGTTTTATCA- - - - - ACAGGAAAATGGATTAAGAAGTTAGTCATACAG- - - - - TGGATTACTACT								35412
Donkey	AATAA- - C- - - - - GTCTGTCA- - - - - TCAGGAAAATGGATCAGTAAATTGTTG- TGTAGTCATATAGTGGATTACT- - -								39190
Cat	AATTACCCAAAT- GTCTGTAA- - - - - ATAGGAAAATG- - TCAGTGAATTGTAG- TATAATCAAACAGTAGATTACT- - -								41686
Ferret	AATTA- CCAAAT- GTCTGTGACACAGAATAGGAAAATGGGACAATGATTTGTGG- TATAATCATATAGTAGAGTACT- - -								38327
Lion	AATTACCCAAAT- GTCTGTAA- - - - - ATAGGAAAATA- - TCAGTGAATTGTAG- TATAATCAAACAGTAGGTTACT- - -								39533
Vaquita	AACAATCTAAGTGTCTTATCA- - - - - ACAGGAAAATGGATTAAGAAGTTAGTCATACAG- - - - - TGGATTACTACT								36101
Pig	ATCCAGAT- - - - - GTCTATCA- - - - - ATAGGAAAATAA- - - - TAAGTT- - - - - G- - - - - TGGATTGTT- - -								32597

Majority	- - - ACTTA- T- ATAACAAAAGAATGACTATTAATAC- - - - - ATG- CAXAAACATGAGTGAATATT								
	48410	48420	48430	48440	48450	48460	48470	48480	
Human	- - - GGCTGGC- CGGGCTGGGGGCTGACCCCCGACCTCCTTCCCGG- - - - - ACG- - GGGCGGCTGGCCGGGCAGA								41525
PolarBear	- - - AATTA- - - GTAACAAAAGAATGACTATTAACAA- - - - - ATAACAAAACCATGAGTGAAGATT								11359
Cow	GGAGCCCAAAAAGATAAAGTCTGTCACTGTTTTCATTGTTTCCCATTATTGCCATG- AAGTGATAGGACCGGATGCC								38588
Dog	- - - AATTA- - - GTGACAAAAGAATGACTATTA- - - T- - - - - ACA- - A- AAACATGAGTGAATATT								36979
BelugaWhale	T- - ACTCATTAAAGAGCAAAGAATTACTATTAATAC- - - - - ATG- TAGCAACACAAGTGAATATT								35469
Donkey	- - - ACTCA- - - ATAATAACAGAATGACTGTCTATAC- - - - - TTG- GAACAAACTGAGTGGATATT								39243
Cat	- - - GCTTACTCATAACAAAAGAATGATTATTA- - - - - ACA- CAAAAACATGAGTGAATATT								41738
Ferret	- - - AATTA- - - GTAACAAAAGAATGACTATTAACAA- - - - - ATA- CAAAAACATGAGTGAATATT								38380
Lion	- - - ACTTACTCATAACAAAAGAATGATTATTA- - - - - ACA- CAAAAACATGAGTGAATATT								39585
Vaquita	T- - ACTCATTAAAGAGCAAAGAATTACTATTAATAC- - - - - ATG- TAGCAACACAAGTGAAAATT								36158
Pig	- - - ACTCATTAAAGAACAAAAGAATTACTATTAATAT- - - - - GTG- TAGTAGCGTGAGTGAATATT								32653

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Majority	AA- - - - - AACXTTATATG- - AAGC- - - - - AAAAGAAGCCAGACA- - - - - CAAAAXAGTA								
	48490	48500	48510	48520	48530	48540	48550	48560	
Human	GGG- - - - - GCTCCTCACTTCCCAGTAGGGGCGGCC- - - - - GGGCAGAGGCGCCCTCACCTCCCGGAAGGGGCGG								41590
PolarBear	AA- - - - - GACAGCATATG- - AAGC- - - - - AAAAGAAGCCAGACA- - - - - GAAAACAGAA								11401
Cow	ATGATCTTTGATTTTGAATGTTGAGTTTTAAGCCAGCTTTTTCACTCTCCATCAAGAGGCTCTTTTGTTCCTCCTCATT								38668
Dog	AA- - - - - GACAATATATG- - AAGC- - - - - AAAAGAAGCCATACC- - - - - CAA- - - - GTG								37017
BelugaWhale	AAG- - - - - A- - - - - AACGTTATATG- - AAGC- - - - - AAGAGAAGCCAGACG- - - - - CAAAAGAGTA								35513
Donkey	GT- - - - - TAAATGTTATATG- - AAAC- - - - - AAAGGAAGCTAGATA- - - - - CAAAACATTG								39287
Cat	AGT- - - - - AGACCTTCTATG- - AACC- - - - - AAAAGAAGCTAGACA- - - - - CAAG- - AGTA								41780
Ferret	AA- - - - - GACAGTATATG- - AAGC- - - - - ACAAGAAGCCAGACA- - - - - GAAAACAGAA								38422
Lion	AG- - - - - ACCTTCTATG- - AACC- - - - - AAAAGAAGCTAGACA- - - - - CAAG- - AGTA								39624
Vaquita	AAG- - - - - A- - - - - AACGTTATATG- - AAGC- - - - - AAGAGAAGCCAGATG- - - - - CAAAAGAGTA								36202
Pig	AG- - - - - TAAACATTGCG- - - - - AAGC- - - - - AACAGGAGACAGA- - - - - CAAAAGATTA								32693

Majority	XXTACTGTG- - TGATTC- - - - - CCATTTTTATAAAGT- - - - - ACXGATAXTTAATTTT- TAGTATAGAAACC-								
	48570	48580	48590	48600	48610	48620	48630	48640	
Human	CTGGCCGGGCGGGGGTCTGACCCCCCACCTCCCTCCTGGAT- - - - - GGGGCGGCTGGCCTGGCGGGGGCTGACCCC								41662
PolarBear	ATCACTGAAA- TGAATCATTGTGTGATTCCATTTTTATAAAATT- - - - AAAGAACAGATAATCAA- TTTTATAGTATA- - -								11472
Cow	TCTACCATA- - TGGTTG- - - GTGTCAT- CTGCATATCTGAGGTT- - - - ATTGGTATTTCTTCCTGCAGTCTTGATTCC-								38736
Dog	AATACTCAAC- TGATTC- - - - - CGT- - - - TTTTTACAAAGTT- - - - AAAGAACAGATAATTTT- TAGTAAAGAAACC-								37079
BelugaWhale	TATACTATG- - TGATT- - - - - CCCTTTCTGTAAAGA- - - - - GCAGATAATTAATTTT- CAGTATAGAAACC-								35571
Donkey	CATACTGTGTGTGATT- - - - - CCATTTCTATAAAGTT- - - - - AGGAGCAGATAATTTT- TAGTATAGAAACC-								39348
Cat	CTCACTGTG- - TGGTTC- - - - - CATTTTTGTAAAG- - - - - AACAGATAATCAAGTTT- TAGTATAGTAGCC-								41838
Ferret	ATCACTGAAA- TGAATC- - - - TGTGATCCATTTTTATAAAGTTTAAATAAAGAACAGATAATCTA- TTTTAAAGTATA- - -								38493
Lion	CTCACTGTG- - TGATTC- - - - - CATTTTTATAAAG- - - - - AACAGATAATCAAGTTT- TAGTATAGTAGCC-								39682
Vaquita	TATACTGTG- - TGATT- - - - - CCCTTTCTGTAAAGA- - - - - GCAGATAATTAATTTT- CAGTATAGAAACC-								36260
Pig	TATACTGTG- - TGATT- - - - - CTATTTCTCTGAAGA- - - - - GTAGATAATTAATTTT- CAGTATAGAAACC-								32751

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Majority - AAAATAATXGTTGCCTG- - TGGGTGTT- - - - - XXGATGAACAGXAAGTACAAGGX- - - - AATTCTCTGGGGTATTGGAC
 48650 48660 48670 48680 48690 48700 48710 48720

Human CACCTCCCTCCCAGACGGGGT GACTGCCGGGCGGAGACGCTCCTCACTTCCCAGACGGCGTGGCTGCCGGGCGGAGGGGC 41742
 PolarBear - - - AATAGTGGTTGCCTG- - TGGGTGTT- - - - - GGGATTAACAGGAAGTACAAGG- - - - AATTCTCTGCAGTATTGGAC 11537
 Cow - AGCTTGTGCTCCATCCAGTCCAGCATTCTC- ATGATGTATTCTGCATATAAGTTA- - - AATAAACAGGGTGCAGTAT 38811
 Dog - AAAATAATGGTGGCCTG- - TGGGTGTT- - - - - GGGATTAACAGCAAGTACAAGGT- - - - AATTCTCTGGGGTATTGGAC 37147
 BelugaWhale - AAAATAATCATTGCTTG- - TGGGTGT- - - - - TGGGGATTAATAAGTATTAGGAC- - - ATTTTCTGGGGTGA- GGGAC 35637
 Donkey - AAAATATTAGTTGCCTG- - TGGGTGT- - - - - TGGGAATTAGCAGGAAGGGAA- - - - - TCTGGGCTGATGGGC 39408
 Cat - AGAATAAGGGTTGCCTG- - TGGGTGTT- - - - - CGGATGAACAGGAAGTACAAGGAAATTAATTCTCTGTGGTGTGGAC 41910
 Ferret - - - AAT- - - - GTTGCCTA- - TGGGTTTG- - - - - AGGTTTAACAAGAAGCACAAGGG- - - - AATTCTCTGCAGTATTGGAC 38555
 Lion - GGAATAAGGGTTGCCTG- - TGGGTGTT- - - - - CGGATGAACAGGAAGTACAAGGGAATTAATTCTCTGTGGTGTGGAC 39754
 Vaquita - AAAATAATCGTTGCTTG- - TGGGTGT- - - - - TGGGGATTAATAAGTATTAGGAC- - - ATTTTCTGGGGTGA- TGGAC 36326
 Pig - AA- - - - - - - - - - - - - - - - - AGTA- - - - - - - ATGTTGCCTGTGGGTATTGGGT- - - - - ATTGACAGAA- - - - - AGGAT 32795

Majority ATG- TTCT- - - ATATCAATTAACAAAGTTGTAAAACAAATCCAAAATT- - - - - TGTGTTGAAACAGTAGGCTACC
 48730 48740 48750 48760 48770 48780 48790 48800

Human TCCTCACT- - - - TCTCAGATGGGGCGGCTGCTGGGCGGAGGGACTCCTCG- - - - - CTTCTCAGATGGGGCGGCCGGG 41810
 PolarBear ATG- TTCC- - - ATATCAATTAACAAAGTTGT- - - ACAA- TCCAAAAT- - - - - TTGTGTTGAAACAGTAGGGTATG 11598
 Cow ACAGCATTGACATACTCCTTGGCTCAATTTTGA- ACCAGTCCGTTGTTG- - - - - CATGTCTGGTTCTAACTGTTGCT 38882
 Dog ATA- CCC- - - ATATCAATTAACAAAGTTGT- - - ACAG- TCTAAAAGTGGTT- - - - - TGAAACTGGGAAAGGCTACCACC 37214
 BelugaWhale ATGTTCTT- - - - TGTC AATGAACAAAGCTGTAAAATAAATA- ACAATT- - - - - TATTTGAAATAGTAGGCTACC 35701
 Donkey ATG- TTCT- - - GTATCAATTAACAAAGTTGTAAAGCAGATCCAAAATT- - - - - TGTGTTGAAACAGTAGGCTGCC 39473
 Cat ATG- TTCT- - - ATATGGATTTACAGAGTTTTCAAACAAGTCCAAAAT- - - - - TAGTTTGAACACTGTAGAATACC 41975
 Ferret ATG- TTCC- - - ATATCAGTTAACTAAGTTGT- - - GCAA- TCCAAAATAAGTTGGATTTCTGTTTGAACAGTAGGCTATC 38627
 Lion ATG- TTCT- - - ATATGGATTTACAAAGTTTTCAAACAAGTCCAAAAT- - - - - TCGTTTGAACACTGTAGAATACC 39819
 Vaquita ATGTTCTT- - - - TGTC AATGAACAAAGCTGTAAAATAAATA- ACAAT- - - - - TTGAAATAGTAGGCTACC 36386
 Pig ATA- TATT- - - CATATCGGTGAGCAAAGTTGTAAAGATAAATCCAAAATT- - - - - TGTGTTGAAATAGAAGGCTACC 32861

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Majority	TCTGGGAAC- CATGAACTACTXGT- - A- - - - - GTTTTGTCTT- - - - - GCTGGAAT- - GTGAAATATGAGAAGGGGX-								
	48810	48820	48830	48840	48850	48860	48870	48880	
Human	CCGAGACGCTCCTCACCTCCCAGACGGGGT	CGCGGCCGGGTAGAGGCGCTCCTCACAT-	CCCAGACGGGGCGGCGGGGC	41888					
PolarBear	TGTGGGAAT- CATGAACTATGCCT- - A- - - - -	GTAAAAATAGAGAGGGGGGG	11660						
Cow	TCTTGACCTGCATACAGGGTTTGC- - AGAGGCAGTAAGGTAGT- - - - -	CTGGTATTTTCATTCTCTTTAAGAATTTTCC	38954						
Dog	TCTGGGAAC- CATGAACTACCC- - - A- - - - -	GTAAAAATAGAGAGGGAGGG-	37274						
BelugaWhale	TGTGGAAACCCATCAACTACTTGT- - AGA- - - - -	GTTCTGTCTT- - - - - TCTGCAAT- - GTAAAATGTGAGAAGGG- - G	35764						
Donkey	TCTGGGAAG- CATGAACTGCTTGT- - A- - - - -	GCTTTGTCTT- - - - - GCTAGAGT- - GTAAAATAGGAGAAGGGG- -	39533						
Cat	TCTGGGAAC- CATGAGCTAGTCCT- - A- - - - -	GTAAAAATAGGAGAAGGGGA-	42036						
Ferret	TCTGGGAAT- CAGGAACTACCCTT- - A- - - - -	GTAAAAATAGAGAGGGGGG-	38694						
Lion	TCTGGGAAC- CATGAGCTAGTCCT- - A- - - - -	GTAAAAATAGGAGAAGGGGA-	39880						
Vaquita	TGTGGAAACCCATCAACTACTTGT- - AGA- - - - -	GTTCTGTCTT- - - - - TCTGCAAT- - GTAAAATGTGAGAAGGG- - G	36449						
Pig	TCTGGAAAC- CATCAACTATTTGT- - A- - - - -	ATTTTGTATT- - - - - TTTGCAATTTGTAAAATACGAGAAGGG- - G	32923						

Majority	AATGACTAAAGTTGAGTCCTGATAGGXA- - GGGGTTTGGATATAGG- - - - ATTTGATT- - - TGTTGTAATAAGGAGCTTG								
	48890	48900	48910	48920	48930	48940	48950	48960	
Human	AGCGGCGCTCCCCACATCTCAGACGATG- - GGCGGCCGGGCAGAGACGCTCCTCACTTCTAGATGGGATGGCGGCCGGG	41966							
PolarBear	AATGACTTAAGTTGAGTCCTGATAGGTGTAGGGTTTGGATATAGG- - - ATTTGATT- - - TGTTG- - - - AGGAGTTTG	11728							
Cow	ACAGTTTGTGT- - GATCCACATAGCCA- - AAGCCTTTAGTGTAGTC- - - AGTGAAGCAGATGTTCTTCTAGAATTCTCT	39027							
Dog	AATGACTAAAGTTGAACCCTGATAGGTT- - GGGGTTTGGATATAGG- - - ATTTGATT- - - TGCTG- - - - AGGAGCTTG	37340							
BelugaWhale	AATGAGTAAAA- - TGTTCTGGTGGGCA- - GGGGCTGGATATAGG- - - ATTTGATT- - - TGTTGTAATAAGGAGATTG	35833							
Donkey	AATGACTAAAGTTGAGTCACGATAGGCA- - GGGATCTGGATATGGG- - - ATTTGATT- - - TGTTATACTGAGGAGCTAG	39604							
Cat	- GTGACTAAAGTTGAGTTCTGATAGGTA- - GAGGTTTGCATATAAG- - - ATTTGATT- - - TGTTATGTTAGGGAGCTTG	42106							
Ferret	AATGACTGAAGTTGAGTCCAGATAG- - - - - GGGTTTGGATATAGG- - - ATTTGATT- - - TGTTG- - - - AGGACTTTA	38756							
Lion	- GTGACTAAAGTTGAGTTCTGATAGGTA- - GAGGTTTGCATATAAG- - - ATTTGATT- - - TGTTATGTTAGGGATCTTG	39950							
Vaquita	AATGAGTAAAA- - TGTCCTGGTGGGCA- - GGGGCTGGATATAGG- - - ATTTGATT- - - TGTTGTAATAAGGAGATTG	36518							
Pig	AATGGCTACCAA- - AGTCCTGTTGGGCA- - GGTGTCTGGATATAG- - - - ATTTGATT- - - TGTTTTACTAAGGGGTTTG	32991							

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Majority	----- TXTCAG- ATTT- G- ----- TATTXTATXXAGAAX- - AG- ----- CTT- - - X- - X- - - A- -----								
	49130	49140	49150	49160	49170	49180	49190	49200	
Human	GCTGCAATCTCGGCACTTTGGGAGGCCAAGGCAGGCGGCTGGGAGGTGGAGGTTGTAAACGAGCCGAGATCACGCCACTGC								42206
PolarBear	-----								11739
Cow	----- TTCCT- - - CTT- G- ----- TGTTTTCTAAATCCA- - A- ----- CTT- - - - GAACA- - - - -								39104
Dog	----- TCTTAGAATATGAAGGAAATGTTGTATCAAGAAATTAGGGG- - - - - GTCCCTGG- - GTGGCGCAGCGGTTTG								37530
BelugaWhale	----- TTTCA- - - TTT- G- ----- CATTTTTTAGGGG- - - - -								35890
Donkey	----- TATGGGATTTGA- - - - TTTGTTATACTGAGGAGCTAG- GA- - - - - CTTT- - ACTA- - - - - G- - - -								39688
Cat	----- TCTTAGAATATGGAAGAAATAATGTATCAAGAAATTAGAACTTCTGAGTTATTTG- - GAAGTAGACTGGTTTG								42321
Ferret	CTCG- - ATCCCAGGACCCTGAGACCATGACCTGAGCCGAAGGCAGCGGCCT- - AACCCTGA- - GCCACCCAGGCGCCCC								38985
Lion	----- TCTTAGAATATGGAAGAAATAATGTATCAAGAAATTAGAACTTCTGAGTTATTTG- - GAAGTAGACTGGTTTG								40169
Vaquita	----- TTCCA- - - TTT- G- ----- CATTTTTTAGGGA- - - - -								36575
Pig	----- TTCCA- - - TTT- G- ----- TATTTTGTGGGG- G- A- - - - - CCG- - - - - ACGGG- - - - -								33061

Majority	----- XTTTACXTTXXGGT GAGGATT- ATTACTCXATATXTGGAXGATAGT- - - - - X- - TTGGGATGACTXTGC- - A								
	49210	49220	49230	49240	49250	49260	49270	49280	
Human	ACTCCAGCCTGGGCACCATTGAGCACTGAGTGAACCAGACTCCGTCTGCAATTCGGC- ACCTCGGGAGGCCGAGGC- - T								42283
PolarBear	----- ATTTACATTTTAGAAAGGATT- TTTCTTCCATTTGTATTTTGTG- - - - - GGGGTCACTAACCGTA								11799
Cow	----- TTCAACGTACTATTGAAGCCT- AGCTCGGAGAATTTTGAACATTAC- - - - - TTAGCTTGCATGTGA- - A								39165
Dog	G- - - - CACCTGCCTTTGGCCCAGGGCG- CGA- TCCTGGAGACCCGGGATAGAATCCC- - ACGTCGGGCTCCCGGTGC- - A								37600
BelugaWhale	----- GCAGAGGGGGGT- ACTACTGTACAT- - - - AGGACAGT- - - - - TTAA- - - - -								35927
Donkey	----- ATTTACATTTTAGAAAGGATT- TTTGTTCCATTTGTGTTTTGAGGGAAGCAGAGGAGTCACTACTGTACATC								39761
Cat	GGAGAAGTATTCGTTTGGGCTTAGATA- ATCACTAGATTGATGGATGATAGTCCCATTAACAAAGGAAGATCATGGAAA								42400
Ferret	C- - - - AATTTACATTTTAAAAGGATT- TTTCTTCCATTTGTATTTTCGTGTATGTGT- - ATGTGGGGTCACTGCTC- TA								39057
Lion	GGAGAAGTATTCATTTGGGTTTAGATA- ATCACTAGATTGATGGATGATAGTCCCATTAACAAAGGAAGATCATGGGAA								40248
Vaquita	----- GCAGAGGGGGGT- ACTACTGTACAT- - - - AGGACAGT- - - - - TTAA- - - - -								36612
Pig	----- GGTGGGGTGGGGTGGGGT- ACTACTGTAAAATTGGAGGACAGT- - - - - TTAA- - - - -								33110

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Majority	AGGAGATTAGTTATAXX- - XGATTTAXACAATAXTCTGCTTCXXACATTTTAAA- - - GTCTCATXAGXAAAAXTCXAXGTA								
	49290	49300	49310	49320	49330	49340	49350	49360	
Human	GGCGGATCACTCGCGGTTAGGAGCTGCAGACCAGCCCGGCCAACACAGCGAAACCCCGTCTCCACCAAAAAAATACGAAA								42363
PolarBear	CATAGGACAGTTAAA- - - - - AGTTTTACAATAATCTGCCTCGGACATATTAAG- - - GTATGAT- - - - - TTTTAGGTT								11863
Cow	ATGAGTGCAATTGTGCAG- TAGTTTTGAACATTGTTTGGCATTACCTTTCTTTGG- - - GATTGGAATGAAAAGTACCTTT								39241
Dog	TGGAGCCTGCTTCTCC- - - - - CTCTGCCTATGTCTCTGCCTC- - - - - TCTCTCT- - - CTCTCTCTCT- - - - CTCTGACTA								37663
BelugaWhale	- - - AACTTTACAATAATC- TGCTTTAGAGACACCGAGG- - TCCTGAATTTTAGA- - - GTCTCAGAAGTAGAA- - - - - -								35990
Donkey	AGGAAGACAGCTAAA- - - - - AACTTTAAAAAGCTCTGCTCTGGAGATACTGAAG- - TCTTGAATTTTAGGGTCTTAAAA								39833
Cat	AGGAGATTGGGTTTTGGT- GGAAAGAAACAATAATTTGTTACTATCTTTTTAAAA- - GTATCTTTAGGAAAGACAATGTA								42477
Ferret	CATAGAGTAGTTAAGC- - - - - ACTTTTACAATAATCTGCTCCAGAGATATTAAG- - - GTGTCCTCAG- - - - TTTTATGTT								39125
Lion	AGGAGATTGGGTTTTGGT- GGAAAGAAACAATAATTTGTTACTATCTTTTTAAAA- - GTATCTTTAGGAAAGACAATGTA								40325
Vaquita	- - - AACTTTACAATAATC- TGCTTTAGAGACACCGAGG- - TCCTGAATTTTAGA- - - GTCTCAGAAGTAGAA- - - - - -								36675
Pig	- - - - - AACTTTAATC- TGCTCTAGAGATACTGAGGTGTCTGAATTTTAGA- - - GTCTCAGAAGAAAA- - - - - -								33169

Majority	CTT- - - XGAATATGGAGAXAATGA- - - - - TGTATCAAGAAATTAGA- - AXTTCTGAGX- - - TTATTT- XA- AG- AGAAA								
	49370	49380	49390	49400	49410	49420	49430	49440	
Human	ACCAGTCAGGCGTGGCGGCGCGTG- CCTGCAATAGCAGGCACTCGGC- - AGGCTGAGGCAGGAGAATCAGGCAGGGAGGT								42440
PolarBear	CTT- - - AGAATATGGAGGAAATGA- - - - - TGTATCAAAAAATTAGA- - ACTTCTTAG- - - - - TTATTT- - - - - - GGAAA								11921
Cow	TCT- - - AGTCTTGTGGCCACTGCTG- - - - - AGTTTTCTAAATTTGTTGGCCCATGAGTGCAGCACTTGAACAGCATCAT								39313
Dog	TCA- - - TAAATAAATAAAAATTAA- - - - - AAAAAAAGAAATTAGA- - ACTTCTGAG- - - - - TTACTT- - - - - - GGAAA								37721
BelugaWhale	- - - - - TATGGAGAGAATGA- - - - - TATATGAAGAAATTAGACAATTTCTGAGT- - - - TATTTAGA- AGTAG- AC								36048
Donkey	GT- - - - AGAATATGGAGGAAATGA- - - - - TGTATCAAGAAACTAGAAGAATTCTAAG- - - - TTATTT- - - - - - GGAAG								39892
Cat	CTTCAGTGACTAAAGAATGATTGAGTCTTGTGTTCTGATGGAATAAA- - ATTCCTTAAAGCCTTGTTTTAACATAAGAAA								42555
Ferret	CTT- - - AGAATATGGAGGAAATGA- - - - - TGTATCAAGAAATTAGA- - ACTTTTGAAG- - - - - TTATTT- - - - - - GGAAA								39183
Lion	CTTCAGTGACTAAAGAATGATTGAGTCTTGTGTTCTGATGGAATAAA- - ATTCCTTAAAGCCTTGTTTTAACATAAGAAA								40403
Vaquita	- - - - - TATGGAGAGAATGA- - - - - TATATGAAGAAATTAGACAATTTCTGAGT- - - - TATTTAGA- AGTAG- AC								36733
Pig	- - - - - TATGGAGATGTATA- - - - - TGTATCAAGAAATTAGAAGAATTCTGAGT- - - - CATTGGA- AGCAG- AT								33227

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Majority	TTAGTAGATTXGAAGTAGTATTAGTTTCGGC- - - TTAGAATC- - - ACTGGGTTGATGGATXGTAGTTCATTAAACAAA								
	49450	49460	49470	49480	49490	49500	49510	49520	
Human	TGCAGT	GAGTC-	GAGATGGCAGCAGTACAGTCCAGCTTCGGCTCGTCATCAGA-	-	GGGAGACTGTGAAAGAGAGGGGAGA	42517			
PolarBear	TAGACT	GGTTTGGGAGAAGTGTTAGTTTGGGC-	-	TTAGAATC-	-	ACTGGGTTGATGGATGATAGTCCCATTAAACAAA	11994		
Cow	CTTTT	AGGATGTGAAATAGCTCAGCTGGAATT-	-	CCATCACCTCCACTAGCTTTGTTTCGTAGTAATGCTTCCTAAGGC	39389				
Dog	TAGATT	AGTTTGGGAGAAGTATTAGTTTGGGC-	-	TTAGAATC-	-	ACTGGGTTGATGGATGATAGTCCCATTAAACAAA	37794		
BelugaWhale	TTTGGT	AGA-	-	AGTATTAAGAGTTTCGGC-	-	CTAGAATC-	-	ACTGGGTTGATGGATAGTAGTTCATTAAACAAA	36116
Donkey	TAGAGT	GAG-	AGAAGTATTAG-AGTTTTGGC-	-	TTAGAATC-	-	ACTGGGTTGATGGATAAATAGTCCCGTTAAACAAA	39962	
Cat	TTTACAT	GCTTTCAATTTATTTTACCTTCATTACATTGGAAAC-	-	CCTGAGTTTTAAGATGTTTTTTTCTTAAACAAAA	42632				
Ferret	TAGACT	AGTTTGGGAGAAGTATTAGTTTGGGC-	-	TTAGACTT-	-	GATGGGTTGATGGATGATAGTTCACCTTTCAA	39256		
Lion	TTTACAT	GCTTTCAATTTATTT-ACCTTCATTACATTGGAAAC-	-	CCTGAGTTTTAAGATGTTTTTTTCTTAAACAAAA	40479				
Vaquita	TTTGGT	AGA-	-	AGTATTAAGAGTTTCGGC-	-	CTAGAATC-	-	ACTGGGTTGATGGATAGTAGTTCATTAAACAAA	36801
Pig	TTTGGT	AGAAGAGAAGTATTACGAGTTTTGGC-	-	CTAGAATC-	-	ACTGGGTTGATGGATAGTAGTCCCCACAAAGGG	33300		

Majority	GGG- - - AAGAXAGTGGAXAAXGGGATTTGT- X- TTTTGAT- XGXAAAGA- - X- - - - G- - ATTGTCTT- - - - - TTAAA- - -								
	49530	49540	49550	49560	49570	49580	49590	49600	
Human	GGG- - -	AGACCGT	GGGGAGAGGA	GGGAGGGGGAGGGGGAGGGGGAGGGGGAG-	-	G-	GCTGTTCTGTTTTTTTAA-	-	42585
PolarBear	GGG- - -	AAGATAGTAGAAAAGGAGATTTGT-	-	TTTTGGT-	-	GGAAAGA-	-	ATTATCTG-	12048
Cow	CCACTT	GACTTCGCACTCCAG-	GATGTCTGGCCCTAGGTGAGTGATCCCACCATCGTGGTTATCTGGGTCATGAAAATC	39467					
Dog	GGG- - -	AAAATAGTGGAAAAGGAGATTTAT-	-	TTTCAGT-	-	GGAAAGA-	-	ATTATCTG-	37848
BelugaWhale	GGG- - -	AGCAAAGTAGAGAAAAGTATTTGTTTTGTTGAAAAGAAAAGAACAAT-	CTGTTACTGTTTTCTTTTTTTTAA-	36191					
Donkey	GGA- - -	AAAAGTGGAAAATGAGATTTGG-	-	TTTTGAT-	-	GGAAAGAATAATCTGTTACTGTCTT-	-	TTAAA-	40025
Cat	AAG- - -	ATGAGAGTCTGTATGTGATCTCACAGACCCCAATTTGAATATG-	-	ATTGCTTA-	-	TAGGAGCA	42694		
Ferret	GGG- - -	AAGATAGTGGAAAAGGGGATTTGT-	-	TTTTGGT-	-	GGAAAGA-	-	ATTGTCTG-	39310
Lion	AAG- - -	ATGAGAGTCTGTACATGATCTCACAGACCCCAATTTGAATATT-	-	ATTGCTTA-	-	TAAGAGCA	40541		
Vaquita	GGG- - -	AGCAAAGTAGAGAAAAGTATTTGTTTTGTTGAAAAGAAAAGAACAAT-	CTGTTACTGTTTTCTTTTTTTTAA	36877					
Pig	- - A-	- - -	ACAAAGTGGAGAAA-	GATTTGTTTTTATTGAAAAGAGAGAACAAT-	CTGTTACTATCTTACTTTTTTAAAA-	-	33369		

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Majority	TTXACATTGG- - - - - GTTXTAAAA- - XTXAXACCTCTTATCCTAAAAT- - ACXTGAGAT- - - TCTGTGTATGT								
	49770	49780	49790	49800	49810	49820	49830	49840	
Human	TGTACAGAGGAAAT- - ACTGAGTTTTAAAGA- - TTTTCTATTTTTTTTCTGACA- - AAAATGAAAG- - TCTGCATATAT								42782
PolarBear	TTCACAGTGGAAAC- - ACTGAGTTTTAAAATTTTT- - TCCCCATAACATAAAA- - - AGATGGGAAGAGTCTGTTTATGT								12252
Cow	TCTATTTT- - - - - TTTGCATTGTTCACTTAAAAAGGCTTTCTTATTTCTCCTTGCTAT- - - TCTTTGGTACT								39685
Dog	TTCACAGTGGATACTCACTGAGTTTTAAAGATTTTTTTTCCCCCTAACATAGAG- - - AGGTGAGAT- - - TCTGTGTATGT								38045
BelugaWhale	TTTACCTT- - - - - TTTGAACAA- - - AGGAAACATTGAGTTTTAAAATTGTTCTGTGTT- - - TTTCCCTAACAT								36373
Donkey	TGCACAGAGGAAAC- - ACTAAGTTTTAAAGA- - TTTTCTGTTTTTTTCTAACGT- AGAATGAGAG- - - TCTGTATATGT								40233
Cat	CCCACATTGG- - - - - GTTCTA- - - - TGCTGACAGCTCTGAGCCTAGAGCCTGCTTGGGAT- - - TCTGTGTCTCC								42891
Ferret	- - - - - TCCCCTTATCATAAAA- - - AGATGAGAA- - - TCTGTTTATGT								39439
Lion	CCCGCATTGG- - - - - GTTCTA- - - - TGCTGACAGCTCTGAGCCTAGAGCCTGCTTGGGAT- - - TCTGTGTCTCC								40738
Vaquita	TTTACCTT- - - - - TTTGAACAA- - - AGGAAACATTGAGTTTTAAAATTGTTCTGTGTT- - - TTTCCCTAACAT								37059
Pig	TTTATCT- - - - - TTTGAACAG- - - AGGAAACATGGAATTTTAAATTT- - CTTGTGAG- - - TCTGTG- - - -								33544

Majority	- TCTCATAGAXCCCAATTTGAATATTGTTGCXTAT- AAGAGCXXATAGCATAAXXGACCTTTAAAAACTAGTGAT- - - - -								
	49850	49860	49870	49880	49890	49900	49910	49920	
Human	- TCTAAGAGACACCAATTTGAATACTGTTGCTTAT- AAGAGCAAATAGCATAAAAAGACCTTTAAAAATTGGTGAT- - - - -								42855
PolarBear	- TCTCACAGAGCCTAATTTGAATATTGTTGCATATTAAGAGCAAATTGCAAAAAAGACTTTTAAAGAACTAGTGAT- - - TG								12328
Cow	- TTGCATTTACATAGGTAAATCTTCCCTTTTCTCT- TTTGCCTTTCACTTCTC- - TTCTTTTCTCAGCTATTTGT- - - - -								39756
Dog	- TTTCACAGACCCCAATATTAATATTGTTGCTTAT- AAGAGCAGATAGCATAAAAATACCTTTAAAAACCGAGTGAT- - - T-								38119
BelugaWhale	- AGAAAGATGAGAGTCTGTGTATGTTCAAACAGAC- CCCAATTTGAATAATAA- - GACCTTTAAAAACGAGTGAC- - - - -								36444
Donkey	- TCTAACAGACCCCAATTTGAATGCTGTTGCTTAT- AAGAGCAAATAGCATAGAAGACCTTTAAAGACTAGTGAT- - - - -								40306
Cat	CTCTCTTTCTGCCCTCCCCACTCATGCTGTCCCTCCCTCCCTCA- - - - - CTCTCTCAAAAATAAATAAAACATT								42961
Ferret	- TCTCA- - GAGTCTGATTTGAATTTTCTTTCATAT- - - AAGCAAATGGCAAAAAAGACCTTTAAGAACTAGTGAT- - - T-								39509
Lion	CTCTCTTTCTGCCCTCCCCACTCATGCTGTCCCTCCCTCCCTCATTCTCTCTCTCTCTCTCAAAAATAAATAAAACATT								40818
Vaquita	- AGAAAGATGAGAGTCTGTGTATGTTCAAACAGAC- CCCAATTTGAATAATAA- - GACCTTTAAAAACCGAGTGAC- - - - -								37130
Pig	- - TATGTTCAAACAGATTTGAATACTGTTGCTTAT- AAGAGCCTATAAGACC- - - - - TTTGAAAACCTAGTGAT- - - - -								33609

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Majority	-- TATACTTGCCTGGAAAAATATGCCATTGTGCATCCAGGTGTCTCAAAA- GGGACTTTTACAG- - - - - ACAGTATTAC										
	49930	49940	49950	49960	49970	49980	49990	50000			
Human	-- TATATTTGCCTGGAAAAATACTCCA- TGTAAATTCAGATGACTCAAAAG- - - GACGTTGGTAG- - - - - ACAATGTTAC										42923
PolarBear	ATTATACTTGCCTGGAAAAATATGCCATTGTGCATCCAGGTGTCTCAAGGA- - - TAGTTTTATAG- - - - - ACCATGTTAT										12399
Cow	-- AAGGCCTCCTCAGATAAACATTTTGCCTTTTTGCATTTCTTTTTCTTG- GGAAGTCCCTAGCCTTCTATTATTTTCC										39833
Dog	-- - AACTTGCCTGGAAAAATATGCCACTGTGCATCCAGGTGTCTCAAAA- GGTACTTTTACAG- - - - - ACTGTATTAC										38189
BelugaWhale	-- TATACTTACCTGGACAAATATGCAGTTGTGCATCAAGATGGCTCAAAA- GGGACTTTTACAG- - - - - ACAGGATTAC										36515
Donkey	-- TATACTTGCCTAGGAAAAATATGCTGTTGTC- - - CAGATGTCTCAAAA- GGGACTTTTACAG- - - - - ACAGTATTAC										40374
Cat	AACAAAGTTTATTAATAAAAAAATGCCATTGTGCATCCAAGTGTCTCAAAA- GGTACTTTTACAG- - - - - ACAGTATTAC										43034
Ferret	-- - AACTTGCCTCGAAAAATATGCTATTGTGCATCTAAGTGTCTCAAAAAGGTACTTTTATAG- - - - - ACCATATTAT										39580
Lion	AAAAAAGTTTATTAATAAAAAAATGCCATTTTCATCCAAGTGTCTCAAAA- GGTACTTTTACAG- - - - - ACAGTATTAC										40891
Vaquita	-- TATACTTACCTGGACAAATATGCAGTTGTGCATCCAGGTGGCTCAAAA- GGGACTTTTACAG- - - - - ACAGGATTAC										37201
Pig	-- TATACTTACT- GGAAAAATATATGATTGTGATAGAGATGTCTCAAAA- TGGACCTTTATAG- - - - - ACAGTGTTAC										33679

Majority	AAGG- AAAC- TT- - TTATGGTTATCAG- - - - - ATACAG- - - - - AACAGGATTTTCATTCTTATATTCCAGCTT- -										
	50010	50020	50030	50040	50050	50060	50070	50080			
Human	AAGG- ACAC- TT- - TTATGGTTATCAG- - - - - ATATAGT- - - - - ACAGGATTTTCATTTTTATGTTCCAGCTTCC										42983
PolarBear	AAAG- AAAC- TT- - TTATGGTTATCAG- - - - - ATACAG- - - - - AACAGGATTTTCATTCTTATATTCTAGCCA- -										12457
Cow	AAGTCATGCATAAGTTACATTTGGCAGCTAGGCTGTGCAGCTACTCAGAAATAGAGTTACAGGCAGGTTTTACAGTAA- -										39911
Dog	AAGG- AAAC- TT- - TTATGGTTATCAG- - - - - ATACAG- - - - - AACAGATTTCA- - - - TATATTCCAGCTA- -										38243
BelugaWhale	AAGG- ACAT- TT- - TTATCATTATCAG- - - - - ATACAA- - - - - AACAGAATTTTCATTCTTACATTCCAGCTT- -										36573
Donkey	AAGG- AAAC- TT- - TTGTAGTTATCAG- - - - - ATACAGC- - - - - ACAGGATTTTGTCTTCTGTTCCGGCTT- -										40432
Cat	AAGG- AAAC- TT- - TTATGATTATCAG- - - - - ATACAG- - - - - AAGAGGATTTTCATTCTTCTATTCCAGCTT- -										43092
Ferret	AAAG- AAAC- TT- - CTATGGTTATCAG- - - - - ATACAG- - - - - AACAGCATTTTCATTGTTATATTCCAGATT- -										39638
Lion	AAGG- AAAC- TT- - TTATGATTATCAG- - - - - ATACAG- - - - - AAGAGGATTTTCATTCTTCTATTCCAGCTT- -										40949
Vaquita	AAGG- ACAT- TT- - TTATCATTATCAG- - - - - ATACAA- - - - - AACAGAATTTTCATTCTTACATTCCAGCTT- -										37259
Pig	AAGG- ATGC- TT- - TTACGGTTATCAG- - - - - ATACAG- - - - - A- - - ACAGAATTTTCATTCTTATATTCCAGCTC- -										33737

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Majority	- - - - TATCCAAA- ATGTTTCTTCTAATTCACCTTTACTATAGAATTCTGTT- - - - TCTAAAAGCATCTA- - - - - TCT									
	50090	50100	50110	50120	50130	50140	50150	50160		
Human	AGCTTTATCTAAA-	ATATTTCTTGTAATAGATTTT	ACTGTAGAATT-	GTT-	TCTAAGGCATCTG-				TCT	43048
PolarBear	- - - - - TATCCAAA-	ATGTTTCTTCAATTTCACTTT	ACTATAGAATTTGGTT-		TCTAAAAG-		TA-		TCT	12515
Cow	- - - - - ACCTAGTAAGATTTTTTTTT	GTTT-		GACATCTGTTGGAATTA	ACTAACAGCTAAAAAGTATTCT					39974
Dog	- - - - - TATCCAAA-	ATGCTTCTCAAATTCACCTTT	ACTATAGAATTCGGTT-		TCTAAAAGCATCTA-				TCT	38305
BelugaWhale	- - - - - TTCCCAA-	ATGTTTCTTCTGACTT-		CACTAGAATTCCTTT-		TCCAACAGCATCTA-			TCT	36629
Donkey	- - - - - TATCCAAA-	ATACTTCTTCTAATTGACCTT	ACTCTAGAATTTTGGTT-		TCTACTGAATCTG-				ACT	40494
Cat	- - - - - TATCCAAA-	ATGTTTCTCAAATTCACCTTT	ACTATAGAATTCATT-		TCTAAAATGTCTG-				T- T	43153
Ferret	- - - - - TATCCAAA-	ATGTTTCTCAAATTTACCTT	ACTATAGAATTTTGGTT-		TCTAAAA-		AA-		TCT	39696
Lion	- - - - - TATCCAAA-	ATGTTTCTCAAATTCACCTTT	ACTATAGAATTCGTT-		TCTAAAATGTCTG-				T- T	41010
Vaquita	- - - - - TTCCCAA-	ATGTGTCTTCTGACTT-		CACTAGAATTCCTTT-		TCCAACAGCATCTA-			TCT	37315
Pig	- - - - - TTTCCATG-	GTGTTTCTTCTAATT-		GAATTCTGTT-		TTTGACAGCATCT-		A-	TCT	33787

Majority	C- AACAGCCTTT- CCCTTATCTGTCCAGAC- - - - TTTCTT- - - A- XTACA- - - - TACCTGTTTTTT- GTGT CAGAAAAA									
	50170	50180	50190	50200	50210	50220	50230	50240		
Human	C- AACAGCCTTT-	CCCTTATCTGTGCAGAC-		TTTTCTTCTCTGTACTT	GTTGAATAGGTGCTTTTT	GTCAAAGAAAA				43123
PolarBear	C- AACGGCCTTT-	CCCTTATCTGTCCAGAC-		TTTCTTCTAAATATA-		TACCTGGTTTTT-	GTGTCAA-			12579
Cow	CTATCAGTATAT-	ACCTACATTTCTGGTTAACT	GTTCTT-		TGAA-		ATTTATTTTCCCAT	GTAGGGAT-	GG	40040
Dog	C- AACAGCCTTTT	CCCTTATCTGTCCAGACAGACT	TTTCTTTAAATATA-		TACCTGTTTTTT	GTGTCAAAGAAAA				38380
BelugaWhale	C- AACAGCCTTT-	CCCTG-		TCCAGACTTTCTTCTC-		TACA-		CGTATATTTGTGTCAAAGAA-	AA	36688
Donkey	T- AACAGGCTTT-	CCCTCCTCTGTCCAGAC-		TTTGT-		G-	TACAG-	TACCTATTTT	TG- GGGTCAAAGAAAA	40558
Cat	C- AGTGGCCTTT-	CCCTCATCTGTCCAGAC-		TTTCTTCTATATACA-		TGCCAGTTTTT	C-	GTGT CAGGAAAAA		43222
Ferret	C- AGTGGCCTTT-	CCGTTATGTGTCTAGAC-		TTTCTTCTAAATATACT	CCTACCTGGTTTTT-	GTGT CATAAAAA-				39768
Lion	C- AATGGCCTTT-	CCCTCATCTGTCCAGAC-		TTTCT-		ATATACA-		TGCCAGTTTTTT-	GTGT CAGAAAAA	41075
Vaquita	C- AACAGCCTTT-	CCCTG-		TCCAGACTTTCTTCTC-		TACA-		TGTATATTTGTGTCAAAGAA-	AA	37374
Pig	C- AACAGCTTTT-	CCCTG-		TCCAGACTTCTTTGTT-		TGCA-		ACCTATTTT	TGAGTCAAAGGAA- AA	33848

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Majority	AAAXAATTTT- - - - AGAAGTGAGAAAAGTTAAT- GTTATTAGAAACTTAGTCTCAGGTAATAA- - - - - TTTATTAA								
	50250	50260	50270	50280	50290	50300	50310	50320	
Human	AAATAATTTT- - - -	ACAGGTGAAAAAATTT	CAT- GTTATTAGAAACTT	AATCTCAGGTAATAA	ATG- - - - -	TTTAATAA			43193
PolarBear	- - - - -	GAAGTGAAAAAAGTTAAT-	GTCAATTAGAACCTAAGTCTCCGGTAAATA-	- - - - -	TCTAATAA				12634
Cow	AAAGA- TAAG- - - -	AAAGATAAGTATGATCATT	CATTTTCCTTAGCTCAGATTCTTTGTTTTT-	- - - - -	TTTTTTTTA				40108
Dog	AAATAATTTT- - - -	AATAGTGAGAAAAGTTAAT-	ACTGTTAGAACCTTAGTCTCAGGTAAGTA-	- - - - -	TCTACTAA				38446
BelugaWhale	AAAGAATTTT- - - -	AGAAGTGAGAAAAGTTAAT-	GTTATTAGAAACTTAGTCTTGGGGAATAA-	- - - - -	TCTTATTCA				36756
Donkey	AAATAATTTT- - - -	AGAAGTGAGAAAAGTTAAT-	GTTATTAGAAACTTTGTGT	CAGGTAATAA-	- - - - -	TTTAATAA			40624
Cat	AAAAAATTT- - - -	AGAAGTGAGAAAAGTTAAA-	GTCAATTAGAATTTTAGTCTCAGGTA	ACTAAGAAGTCG-	TGCATTAA				43295
Ferret	- - - TAATTTT- - - -	AGAAGTAACCAAAGTTAAT-	GTCAATTAGAACCTTAGTCTCCGGTAAATA-	- - - - -	TCTATTAA				39831
Lion	AAAAATTTTTTTTTT	TAGAAGTGAGAAAAGTTAAC-	GTCAATTAGAATTTTAGTCTCAGGTA	AATAAGAAGTCCCTGCATTAA					41154
Vaquita	AAAGAATTTT- - - -	AGAAGTGAGAAAAGTTAAT-	GTTATTAGAAACTTAGTCTTGGGGAATAA-	- - - - -	TCTTATTCA				37442
Pig	AAAGAATTTT- - - -	AGAAATGAGGAAAGTTAAT-	GTTATTAGAAACTTAGTTTTGGGGAATGA-	- - - - -	TTTTATTCA				33916

Majority	A- - - - - TCAGTXAATTAAG- - - - - XT- ATTTTGTAAATGC								
	50330	50340	50350	50360	50370	50380	50390	50400	
Human	A- - - - -	TTGATACAGTAAG-	- - - - -	GACATTTTCTAATGA					43222
PolarBear	G- - - - -	TCAGTGCATTAAG-	- - - - -	ATTAATTTGTAATAC					12663
Cow	A- - - - -	AGCTAGC-	- - - - -	AGCTTGTGTAACAC					40130
Dog	G- - - - -	TCAGTGCATTAAG-	- - - - -	ATTATTTTGTAAATGC					38475
BelugaWhale	A- - - - -	AACTA-	- - - - -	TTTTGTAATAA					36773
Donkey	A- - - - -	CCAATGCATTAAG-	- - - - -	AC- TATATTGT					40648
Cat	GAATATTTTGTAAATAGAGGCCCTGGGTGGCTCAGTCAGTTAAGCGGCCGACTTCAGCTCAGGTCATGATCTCACGGTGC								43375
Ferret	G- - - - -	TTAGTGTATTAAG-	- - - - -	ATTAAATTGTAAAGC					39860
Lion	GAATATTTTGTAAATAGAGGCCCTGGGTGGCTCAGTCAGTTAAGCAGGCCGACTTCAGCTCAGGTCATGATCTCACGGTGC								41234
Vaquita	A- - - - -	AACTA-	- - - - -	TTTTGTAATAA					37459
Pig	A- - - - -	AACTA-	- - - - -	TTTTGTAATAA					33933

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Majority	----- CTTC								
	50730	50740	50750	50760	50770	50780	50790	50800	
Human	----- CTTC								43237
PolarBear	----- T----- TCC								12675
Cow	----- GCCT								40142
Dog	----- C----- TTC								38487
BelugaWhale	----- CTTC								36785
Donkey	----- C								40657
Cat	AATAAACGTTGAAAAAAAAAATTTTTTTTAAAATAAAAAAAAAAATTAAGAAATATTTTGTAAACATATTCCTTC								43775
Ferret	----- C----- TTC								39872
Lion	----- AAAAAAAAA----- GAATATTTTGTAAATATTCCTTC								41418
Vaquita	----- CTTC								37471
Pig	----- CTTT								33945

Majority	AGAAATAAAAGTGAAAC- TTTCAAAAACA- - - - - TAGCTCXA- ACTAGT- - - ATTGG- AATTGGATTTTATTGAA								
	50810	50820	50830	50840	50850	50860	50870	50880	
Human	AGATATAAAAGTGAAATATTTCAAAAATA- - - - - CAACTGTTCTAAGTAGCATTAG- AATTTGATTTTGTAAA								43306
PolarBear	AGAAGTAAAAGTGAAAC- ATTAACCAAAACCTAACCCTAACTCCA- ACTAGT- - - ATTGG- GATTGGATTTTATTGAA								12749
Cow	TGAAGTCTAACTAAAC- TTTTAGTCATA- - - - - CAACTCAATACCAGAGAAACAAACAACCTCAATGAAAGTGGG								40211
Dog	AGAAATAAAAGTGAAAC- ATTCCAAAACAA- - - - C- - - TAGCTCCA- ACTAGT- - - ATTGG- GGTTGGATTAT- TTGAA								38552
BelugaWhale	AGAAGCGTAACA- - - - - TTTCAAAGACA- - - - - CAGCTCTA- ATTAGT- - - ATTGG- AATTGGATTTTATTGGA								36844
Donkey	TTAAATAAAAGTGAAACATTTCAAAAACA- - - - - CAGCTAGCTTCA- ATTAGT- - - ATTAA- AATTGAATTTTAAATGAA								40726
Cat	AGAAATAAAAGTGAAAC- ATTAATAAA- - - - - ACCTAGCTCTG- ACTAGT- - - ATTGG- ATTTGGCTTTTATTGAA								43841
Ferret	AGAAATAAAAGTGAAAC- ATTAACAAAGAA- - - AACAACTAGCTCCA- GCTAGT- - - ACTGA- GATTGGACTTCATTGAA								39943
Lion	AGAAATAAAAGTGAAAC- ATTAACAAATAAA- AAAACCTAGCTCCA- ATTAGT- - - ATTGG- ATTTGGCTTTTATTGAA								41491
Vaquita	AGAAGCGTAACA- - - - - TTTCAAAGACA- - - - - CAGCTCTA- ACTAGT- - - ATTGG- AATTGGATTTTATGGGA								37530
Pig	AGAAGTGAAACA- - - - - TTTCAAAAACA- - - - - TAGCTCTTAACTAGT- - - ATTAA- AATTGGATTTTATTGAA								34005

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Majority	AGGAA- - - - TTTGTAAC TATTTGT CAGTGGGGAGGAGGC- - - - - TTGACAA- - - TTGTAAAATATGGTCTC- - - - - TT								
	50890	50900	50910	50920	50930	50940	50950	50960	
Human	- - - - - TTTGTAAC TATTTAGCAGT GACTATGAGGC- - - - - TTGACAA- - - TTCTAAGGTACAGTCTCTTTAA- TT								43367
PolarBear	AGGAG- - - - TTTGTAAC TGT TTTGT CAGTG- - AAGGAACC- - - - - TTGACAG- - - TTGTAAAA- - - - - TT								12799
Cow	AAAAAGACCTAAACAGACATTTCTCCAAAGAAGACATACAGATAGCTAATAAACACTTGAAAAGATGCTCAA- - - - - C-								40284
Dog	AGGAG- - - - TTTTAACTATTTGTCTGTGGGGAGGAACC- - - - - TTGACAG- - - CTGTAAAA- - - - - TT								38604
BelugaWhale	AGGAA- - - - TTTTAACTCTTTGGAAGTGGGGAGGAGGC- - - - - TTGACAA- - - TTGTAAAATATGGTCTC- - - - - T-								36904
Donkey	AGGAA- - - - TTTGTAAGTATTTGGCAGTGGGGAGAATAC- - - - - TTAACAG- - - TTGTAAGATATGGTCTCTTTAG- TT								40792
Cat	AGGAA- - - - TAACTAGTTTTTTCATTGGAG- - - AGGAGGT- - - - - TTGACAG- - - TTGTAAAATATGGTCTCTTTAATTT								43905
Ferret	AGGAG- - - - TTTGTAACAATTTGTTAGTGGGAAGGAGCC- - - - - TTGACAA- - - CTGTAAAA- - - - - TT								39995
Lion	AGGAA- - - - TAACTAGTTTT- CATTGGGG- - - AGGAGGT- - - - - TTGACAA- - - TTGTAAAACATGGTCTCTTTAATTT								41554
Vaquita	AGGAA- - - - TTTTAACTCTTTGGAAGTGGGGAGGAGGC- - - - - TTGACAA- - - TTGTAAAATATGGTCTC- - - - - TC								37591
Pig	AGGAA- - - - TTTGTAAC TGT TTTGGCAGTGGAGAGCGTGC- - - - - TTGACAA- - - TTTTAAAGATATGGTCTC- - - - - T-								34065

Majority	TTTGAGTCA TTTCTTTATAGCTGTGGAT- - - A- - - - - TGGAATAT- - - - - CCXTTAAAGTX- X- - AT- - - - -								
	50970	50980	50990	51000	51010	51020	51030	51040	
Human	TTCTAGTGATTTCTTTGTAGCTACGGA- - - - - AC- - - - - TGGAATAT- - - - - CCCTTTAGGT- - - - - AT- - - - -								43416
PolarBear	CTTGAGTCA TTTCTTTATAGCTGTGGAT- - - A- - - - - TGGAATATT- - - - - CCTTTAA- - - - -								12844
Cow	- ATCGCTCATTATTAGAGAAATGCAGATCAAAACTACAGTGAGATATCACCTCACACCATTAAGAATGGCCATAATCAA								40363
Dog	TTTGAGTCA TTTCTTAAATAGCTTTGGAT- - - A- - - - - TGGAATATT- - - - - CCTCTAAGGT- - - - - AT- - - - -								38654
BelugaWhale	- TGAGTCCATTTTTTTTATAGGTGTGGA- - - AA- - - - - TGGAATAC- - - - - CTCTTTAAGTTAGGTAT- - - - -								36957
Donkey	TTTGAGTTATTTCTTTGCAGCTTTGGA- - - A- - - - - GTGGTATAT- - - - - CACTTTAAGTTAAGTAT- - - - -								40846
Cat	TTTGAGTCA TTTCTTCATAGCTCTGGAT- - - A- - - - - TGGACTGTC- - - - - CCTTTAAGT- - - - - AT- - - - -								43955
Ferret	TTTGAGTCA TTTCTTTATAGCTGTGGAT- - - A- - - - - TGGAATATT- - - - - CCTTTAAGTTAAGTAAT- - - - -								40050
Lion	TTTGAGTCA TTTCTTCATAGCTCTGGAT- - - A- - - - - TGGACTGTC- - - - - CCTTTAAGT- - - - - AT- - - - -								41604
Vaquita	TTGAGTCCATTTTTTTTATAGGTGTGGA- - - AA- - - - - TGGAATAC- - - - - CTCTTTAAGTTAGGTAT- - - - -								37645
Pig	- TGGATTCATTTTTTTTATAGGTGTGGA- - - AA- - - - - TGGAATA- - - - - GCCCTTTAAGTTGGGTAT- - - - -								34118

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Majority	-- ACATAT- - - - - TTCTGCCAGTGCTGCT- - - - - AATTGTTATTCTATAAT- - - - - AGXAGG- ATTTAA-								
	51050	51060	51070	51080	51090	51100	51110	51120	
Human	-- ACATAT-	----- TTCTGCCAGT	GCTGCT-	-----	AATTGTTACTCTGTAAT-	-----	AGCAGG-	ATTTTCT	43465
PolarBear	-----	TTCTGCCAGT	GCTGCT-	-----	AATTGTTATTCTATAAT-	-----	AGCAGG-	ATTTAC-	12889
Cow	AAATCTACAAAAAATAAAT	GCTGGAGAGGGT	GTGGAGAAAAGGGAAT	GCTCCTGCACTGTTT	GTGGGAATGTAAATTGA				40443
Dog	-- ATATGT-	----- TTCTGCCAGT	GTTGCT-	-----	AATTGTTATTCTGTCAT-	-----	AG-	----- ACTTAT-	38701
BelugaWhale	-- ACATGT-	----- TTCTGCCAGT	GCTAC-	-----	TGCTTTTCTTTAAT-	-----		----- GTCAG	36997
Donkey	-- ACATAT-	----- TTCTGCCAGT	GCTGCT-	-----	AATTGTTATTCTGTAGT-	-----	AGTAGG-	ATTTAT-	40897
Cat	-- ACATAT-	----- TTCTGCCAGT	AATCCT-	-----	GATTGTTATTCTATAAT-	-----	AGTAGG-	ATTTAAA	44007
Ferret	-- ATATAT-	----- TTCTGCCAGT	GCTGCT-	-----	AATTATTATTCTATAAT-	-----	AGCAGG-	ATTTAT-	40101
Lion	-- ACATAT-	----- TTCTGCCAGT	AATTCT-	-----	GATTGTTATTCTATAAT-	-----	AGTAGG-	ATTTAAA	41656
Vaquita	-- ACATGT-	----- TTCTGCCAGT	GCTAC-	-----	TGCTTTTCTTTAAT-	-----		----- ATCAG	37685
Pig	-- ATGTAT-	----- TTCTGGCACT	GCTGC-	T-	-----	AATTGTTACTCTGCTAT-	---	ATTGGGATTTATTTTAT	34174

Majority	TATTGCTA- - - - AAAGXTTGACATTTTGCTTTATGTGAA- - - - AGAACTGAAATCATTCCATAGATTCTGTTA- CATGT-								
	51130	51140	51150	51160	51170	51180	51190	51200	
Human	GAAAATTATTGCTAAACATGACATTTTGCTCTACCTGAA-	-----	AGCAGTTAAACCATTCCATAGAGTCTGGAA-	CATTT-					43539
PolarBear	TATTGCTA- - - - AAAGTGTGACATTTTGCTTTGTGTGAA-	-----	AGAACTGAAATCATTCCATAGATTCTGTT-	---	ATGT-				12957
Cow	TACAGCCACTATGGAATATGGTATGGAGATTCCCTTAGAACACTAGGAATAAAAGCACCATAT-	GACCCAGCAATCCCAC-							40521
Dog	TATTGCTA- - - - AAAGT- - AATATTT- - - - TCACGTGAA-	-----	AGAACTGAAATCATTCCAAGGATTCTGTTT-	GATATA					38766
BelugaWhale	TATTATTGCTG- AAAGTATGAC- TTTTTCTCTATGTAAA-	-----	AGAACTGAAATCATTTTATAGATTCTGTTA-	CATGT-					37069
Donkey	TAGTGCTA- - - - AAAGTGTGACTTTTTGCTTTATGTGAA-	-----	AGAACTGAAATCATTCTATAGGTAATGGTG-	TATGT-					40967
Cat	TATTGTTA- - - - AAAGTGTGATATTTTGCTTTATGTGAA-	-----	AAAACCTGAAATCATCCCATAGATTCTGGTA-	TATGT-					44077
Ferret	TATTGCTG- - - - AAAGTGTGACATTTTGCTTTATGTGAA-	-----	AGAACTGAAATCATTCCCTCAGATTCTGAT-	---	ATATG				40170
Lion	TATTGTTA- - - - AAAGTGTGATATTTTGCTTTATGTGAA-	-----	AAAACCTGAAATCATCCCATAGATTCTGGTA-	TATGT-					41726
Vaquita	TATTACTGCTG- AAAGTATGAC- TTTTTCTCTATGTAAA-	-----	AGAACTGAAATCATTTTATAGATTCTGTTA-	CATGT-					37757
Pig	TATTACTG- - - - AAAGTATGACATTTTATTTTGTGAA-	-----	AGAACTGAAATCATTTATA-	GATTCTGTTA-	CACAT-				34243

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Majority	- XAAXA- - - - - X- XTG- A- A- X- - - - - - G- - - - - XXCTTCTAGTTTAGTCTAGCCTTCTA- - - - TTTT	
	51370 51380 51390 51400 51410 51420 51430 51440	
Human	TTAACAACTCATCTTCTTGCATATAAAGG- - - - TAGTGAGA- - - - GCCTTATTTTCATAGTGTTACTATTTATGAGGGTT	43742
PolarBear	- - - - - A- - - - - CTTCTAGTTTAGTCTAGGCTTCTG- - - - TTTT	13085
Cow	GGAATATTACTCGGCCATGAAAAGGAACACA- - - - TTTGAGTCAGTTCTAATGAGGTGGGATGAACCTAGAAA- - CTAT	40748
Dog	- - - - - A- - - - - CTTCTAGTTTAGTCTAGGCTTCTA- - - - TTTT	38904
BelugaWhale	CTAACAGCATGTCTTCTTGCATAGAGGTGTAGAGATAATGTGAGCCTTCTCTAATTTAGTGTAGCCTTCTA- - - - TATT	37273
Donkey	CTAACAACTCATCTTCTTGCAGATAGAGAGG- - - - TAATGAGAGCCTTCTCCAGTTTAGCCT- - - - TCTA- - - - TGTT	41168
Cat	- - - - - T- - - - - CTTCTAGTTTAGCCT- - - - TCTA- - - - TTTT	44200
Ferret	- - - - - A- - - - - CTTCTAGTTTAGTCTAGGTGTCTA- - - - TTTT	40304
Lion	- - - - - T- - - - - CTTCTAGTTCAGCCT- - - - TCTA- - - - TTTT	41849
Vaquita	CTAACAGCATGTCTTCTTGCATAGAGGTGTAGAGATAATGTGAGCCTTCTCTAATTTAGTGTAGCCTTCTA- - - - TATT	37954
Pig	CTAACAA- - - - - GTTTTGTATAGAGGTA- - - - - TT- GAGATCCTTCTCTAATTTAGTGTAGCTTT- - - - - CTCT	34432

Majority	TTTCCAGCTCATGC- - - - GTAAGGTA- - - - - CTTTTGGCAAGTAGGC- - - TATGCAG- - - - CTTCTXAAAAA	
	51450 51460 51470 51480 51490 51500 51510 51520	
Human	TTAACAACTTATCTTCTTGTATATAAAGGTAGTGAGAGCCTTCTCTAGGTGCCT- - - TCTGTGTTTTTCCAGCTCATGCC	43819
PolarBear	TTTCTAGCTCATGT- - - - GTATGGTA- - - - - CTTTTGGCAAGTAGGC- - - TATGCGG- - - - CTTCTTAAAAA	13141
Cow	TATACAGCACAAA- - - - - GTAAGTCAGAGAGAGATAAATATCTTATTCTAACGCATATATACGG- - - - AATCTAGAAAA	40818
Dog	CT- CTAGCTCATCT- - - - GTAAGGTA- - - - - CTTTTGGCAAGTAGGC- - - TGTACAG- - - - CTGCTTAAAAA	38959
BelugaWhale	TTACCAGCTCATGC- - - - ATAAGTTA- - - - - CTTTTGACAAGTAGGC- - - TATGCAG- - - - CTAAGCAGAAA	37329
Donkey	TTTCCAACTCATGC- - - - ATAAGGCA- - - - - CTTTTGGCAAGTAGAC- - - TATGCAG- - - - CTAAGCAGAAA	41224
Cat	TTCCTAGCTCATGC- - - - GTAAGGTA- - - - - CTTCTGGCAAGTAGGC- - - TGTGCAGTGCAGCTTCTTGAAAA	44261
Ferret	TT- CTAGCTCACGC- - - - GTAAGGTG- - - - - CTTTTGGAAAGTGGGC- - - TGTGCAG- - - - CTTCTTAAAAA	40359
Lion	TTCCTAGCTCATGC- - - - GTAAGGTA- - - - - CTTCTGGCAAGTAGGC- - - TGTGCAGTGCAGCTTCTTGAAAA	41910
Vaquita	TTTCCAGCTCATGC- - - - ATAAGTTA- - - - - CTTTTGACAAGTAGGC- - - TATGCAG- - - - CTAAGCAGAAA	38010
Pig	TAGACTGCTCACAC- - - - GTAAGTTA- - - - - C- - - - - TTTTGGCATAAGGC- - - TATGCAG- - - - CTAAGCAGAAA	34487

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Majority	----- TGCAGAGTT----- ACAGC--- CAG- TTTTACAGTAAACCTAAGATTT-----								
	51530	51540	51550	51560	51570	51580	51590	51600	
Human	----- TAATATGCTTTTG--- ACAACTACACCACACAAC--- TACTTGAAATACAAGAGTTAATAGTTACC----- TT								43882
PolarBear	----- TGCAG- TT----- ACAGC--- CAG- TTTTACAATAAACCTAAGATTT-----								13179
Cow	GTGATATTGAAGAATTTATGTACAGGGCAAAGTGGAGAAG--- TAGACATAGAGAATAAACCTACACACA-----								40886
Dog	----- TGTAG- TT----- ACAGCATCTAG- TTTTACAATAAGCCTAAGATTTATTTATTTT								39009
BelugaWhale	----- TGCAGAGTT----- ACAGG--- CAG- CTTTACAGTAAACCTA-----								37363
Donkey	TG----- CAAAGAGTT----- ATGGC--- CAG- CTTTACAGTCAGCCTAG-----								41261
Cat	----- TGCAGAGTT----- ATAGC--- CAG- TTTTACATTAATCTAAGATTT-----								44301
Ferret	----- TGCAG- TT----- ACAGC--- CAG- TTTTACAGTAAACCTAAGATTT-----								40397
Lion	----- TGCAGAGTT----- ATAGC--- CAG- TTTTACATTAAGCCTAAGATTT-----								41950
Vaquita	----- TGCAGAGTT----- ACAGG--- CAG- CTTTACAGTAAACCTA-----								38044
Pig	----- TGAAGAGCT----- ACAGG--- TAG- CTTTATAGTAAACCTA-----								34521

Majority	----- XXXXXX- TTTTGTGTGGTGGCTGTTGGACTT- - AACTAA- - - ACAGCTAGCAGAATAA- - -								
	51610	51620	51630	51640	51650	51660	51670	51680	
Human	TTACGGAAACCTGG--- TGAGGCTTTTTGCGTGGTGGCTGTTGCAG- - - - - AA- - - - ACAGCCAACAGAATAG- - - -								43943
PolarBear	----- TTT- GTGTGGTAGCTGTTGGTCTT- - GGCTTA- - - - ACAGCTAGCAGAATAA- - - -								13224
Cow	- TGGGGAGAGGGGAGTGGAGGGT GAGATGTATGGAAAGAGTTAACATGGAAACTTACACTACCAATTGTAAAATAGATAG								40965
Dog	GTTTTTATTTTTATTTTTATTTTTTTTGTGGTAGCTGTTGGTCTT- - GACTAA- - - - ACAACTGTCAGAATAA- - - -								39079
BelugaWhale	----- GTAAGATTTTTGTGTGTGTGTGCGGTGACTGTTGGAGTT- - AACTAA- - - - AGCTAGTAGAATAA- - - -								37422
Donkey	----- TAAGATTTTTTTGTGTGGTGGCTGTTGGAGTT- - AGCGAA- - - - ACGCCTATCAGGATAA- - - -								41315
Cat	----- TTTGTGTGGTGGCTGTTGGACCT- - GACTAA- - - - ACAGCTAGCAGAATAA- - - -								44346
Ferret	----- TTTTGTGTGGTGGCTGTTAGTC- - - - - TTA- - - - ACAGCTAGCAGAATAA- - - -								40438
Lion	----- TTTGTGTGGTGGCTGTTGGACCT- - GACTAA- - - - ACAGCTAGCAGAATAA- - - -								41995
Vaquita	----- GTAAGATTTTTGTGTGTGTGTGCGGTGACTGTTGGAGTT- - AACTAA- - - - AGCTAGTAGAATAA- - - -								38103
Pig	----- GTAAGATTTTTCTTATTTGTGCAGCGGCTGTTGACATTTTAACTAA- - - - ACAGCTAGTAGAATAG- TAA								34587

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Majority	ATT- TTTTCTAAAGCCAXCAGC- TTCTATAACAXTXTGCTTTGCCCT- - - - - G- AAGTCTAACTTAA								
	51850	51860	51870	51880	51890	51900	51910	51920	
Human	TTGTTTTTCTAAAGCTAGAA- - - - - AACACT- - GCTTTGCCCT- - - - - G- AAGT- - - - - CTAA	44120							
PolarBear	ATT- TTTT- TAAAGCCAACAGC- TTCTATAATATTATGCTTTGCCCT- - - - - G- AAGTCTAACTTAA	13409							
Cow	AAAATTCTGTAAAGCAATTATCCTTCAATAAAAAATTAATTAATTTAAAAAATAAAACTATTTGGGAAAATAAATTTCAA	41203							
Dog	AGT- TGTC- TACAGCCAGCAGC- TTCTTTAACTTTATGCTTTGCCCT- - - - - G- AAATCTAACTTAA	39261							
BelugaWhale	TGT- TTTTCTAAAGCCAGCAGC- TTGTATAACACTGTGCTTTGCCCA- - - - - G- AAGTCTAACTAAA	37615							
Donkey	AT- - TTTTCTAAAGCTAGCAGC- TTCTATAACACTGTGCTTTGCTCT- - - - - GAAGTCTTAACTAAA	41512							
Cat	ATT- TTTC- TAAAGCCAACAGC- TTTTATAACAT- - - GCTTTGCCCT- - - - - G- AAGCCTTAACTAA	44528							
Ferret	ATT- TTTTCTAAAGCCAACAGC- TTCTATAACGTTATGCTTTTCCCT- - - - - G- AAGTCTAACTTAA	40628							
Lion	ATT- TTTC- TAAAGCCAACAGC- TTTTATAACATTATGCTTTGCCCT- - - - - G- AAGC- TTA ACTAA	42179							
Vaquita	TGT- TTTTCTAAAGCCAGCAGC- TTGTATAACACTGTGCTTTGCCCA- - - - - G- AAGTCTAACTAAA	38295							
Pig	G- - - TTTTTTAAAGCCAACAGC- TTCTGTAAACTGTGCTTTCTTTG- - C- - - - - CTT- - - G- AAGTCCAACCTCAC	34779							

Majority	AACTGCTTGGAATTAAAACCTGCTTTGCCCTCTCAGTTTC- ATATTTGATAAAGGAAGTTACCAGTGC- XTTTTTATAAATG								
	51930	51940	51950	51960	51970	51980	51990	52000	
Human	AACTGCTTAGAATTAAAACCTTCTTTGCCCTCTCAGTTTC- ATATTTGATAAAGAGAGTTAGGAAAA- - - CTTTTATAAATG	44196							
PolarBear	AACTGCTTGGAATTGAAACTGCTTTTCTTCTCAGTTTC- ACATTTGATAAAGGATGCTACCAGTGCCTTTTTTATAAATG	13488							
Cow	ACATTTTTAGGATTAAAACCTGCATTGCCTTTTCAGTTACCATATTTGATAAATGAAGTTACTAGTGC- TTTTTTATAAGTG	41282							
Dog	AACTGCTTGGAGTTGAAACCACTTTTCTACTCAGTTTC- ACATTTGATAAAGGAAGCTAGCATTA- - CTTTCTATAAATG	39338							
BelugaWhale	AC- TGCTTGAGAGTAAAACCTGCTTTGCCCTCTCAGTTAT- AT- TTCGATAAAGGAAGTTACGAGTGC- - TTTTTATAAATG	37690							
Donkey	AACTGCTTGGAATTAAAACCTGCTTTGCCCTCTCAGTCCT- ATATTTGATAAAGGAAGTTACCAATG- - - CTTTTATAAATG	41588							
Cat	AACTGATTGGAATTGAAACTGCTTTTCTCCTCTCAGTTTC- ACATTTGATAA- GGATGTTACCAATGC- TTTTTTATACATG	44605							
Ferret	AATTGCTTGGAAATTGAAACTGTTTTTCTCCTCTCAGTTTC- GCGTTTGTAAATGGATACTACCAGAG- - TTCTTTATTAATG	40705							
Lion	AACTGATTGGAATTGAAACTGCTTTTCTCCTCTCAGTTTC- ACATTTGATAA- GGATGCTACCAATGC- TTTTTTATAAATG	42256							
Vaquita	AC- TACTTGAGAGTAAAACCTGCTTTGCCCTCTCAGTTAT- AT- TTCGATAAAGGAAGTTACAAGTGC- - TTTTTATAAATG	38370							
Pig	AC- TGCTTGGGATTAAAACCTGCTTTGCCCTTCTGTTACCATATTTGATAAAGTAAGTTACTGGTG- - - TTTTTATAAATG	34855							

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Majority	CTTGAGTCTG- - AAAGACTT- GGAGAATGA- - - - - GAATGTACTTATGTTTT- - - GTTAAATAGTTTTCACTGXA								
	52010	52020	52030	52040	52050	52060	52070	52080	
Human	TGTGTCTCTG- - AAAGACTT- GGAGAATGA- - - - -	AGATGTACCTAAGTTTT- - -	GTC- -	ACTGATTTTTCAATTGGA	44259				
PolarBear	CTTGAGTGTG- - AAAGACTTAAGAGATTGA- - - - -	GAATGTACTTATTTTTTTTAGTTTTGCTAATTTCTGCTGTA	13557						
Cow	CTTGTATCTG- - AAAGACTT- GGAAAACGAAAATAAGGAGAGTATACTTAAGTTTT- - -	GTTAAA- TAATTTTCACTGAA	41355						
Dog	CTGGAATGTG- - AATGACTTAAGAGAATGA- - - - -	CAGTGTACTAAT- - - - -	ATTTTTTTTAGTTTCCAGTATA	39400					
BelugaWhale	CTTGAGTCTG- - GAAGAATT- GGAGAATGA- - - - -	GAATGTACTTATATTTT- - -	GTTAAAATAGTTTTCACTGGA	37755					
Donkey	CTTTAGTCTG- - AAAGACTT- GGAGAATGA- - - - -	GAATGTGCTTATGTTTTGTTACATATAT- GTCTTCA- TAGA	41654						
Cat	GTTGGGTCTG- - AAAGACTTTAGAGAATGA- - - - -	GAATGTACTTATCTTT- - - -	TCTTAAATAGTTTCTACTGTA	44670					
Ferret	CTTGAGTGTGTGAAAGACTTAAGAGATTGA- - - - -	GAATGTACTTAC- - - - -	ATTTTGTTAGTTTCCACTATA	40768					
Lion	GTTGGGTCTG- - AAAGACTTCAGAGAATGA- - - - -	GAATGTACTTATCTTT- - - -	TGTTAAATAGTTTCCACTGTA	42321					
Vaquita	CTTGAGTCTG- - GAAGAATT- GGAGAATGA- - - - -	GAATGTACTTATATTTT- - -	GTTAAAATAGTTTTCACTGGA	38435					
Pig	CCTTGGTCTT- - TAGGACTT- GGAGAATGA- - - - -	GAGTGTACTTATGTTTT- - -	GCT- - - - -	TTCACTGGA	34911				

Majority	TAGATGAXTT- - - - - ATAAAGTTTTGAAATGTTGCACTTCAXGTTGGTATACA- - GTTGAAAGTATAGAATTAGAA- TAT								
	52090	52100	52110	52120	52130	52140	52150	52160	
Human	CAGAAGTA- - - - -	TAAGGTTTTGCCGTGTCGATTTTATATTTGTACACA- -	GTTGAAAGTATAA- - - - -	44317					
PolarBear	TAAATAGGTAGAAGCATAAAGTTTTGAAATGTTGCACTTCAGGTTGATAGACA- -	GTTGGAAGTATAGAATTAGAA- TAT	13634						
Cow	TAGATGGA- - - - -	AGTAGTTTTTGAATTTTTGCACTTCAAGTTGGTATATACAGTTGGAAGTATACAATTAGAA- TAT	41427						
Dog	TAAATAAGTA- - - - -	TAAAGTTCTGAAGTGTGTACTTCAAGTTGATACACA- -	GTTGGAA- - ATAAAATTAGAG- TAT	39469					
BelugaWhale	CAGATGAAGT- - - - -	AAAAAGTTTTGAGATGTTGCACTTCAAGTTGGTATATACACTTGAAAGTATAGAAGTAAATAT	37830						
Donkey	CAGATGAAGT- - - - -	ATAAAGTTTTGAAATGT- - - -	GCTCAGGTTGGTATGCA- -	GTTGAAAGTATAGAATTAGAT- TAT	41722				
Cat	TAAATAAGTGAAGTATAAAGTTTTGTAATGTTGCACTTCAGGCTGATG- -	CA- -	GTGGAAAGTATAGAATTAGAA- AAT	44745					
Ferret	TAAATAAGTGAAGTATAAAGTTTTGAAATGT- - -	ACTTCAGGTTGATAAATA- -	GTTGGAAGTGTAGAATTAGAA- TAT	40842					
Lion	TAAATAAGTGAAGTATAAAGTTTTGTAATGTTGCACTTCAGGCTGATG- -	CA- -	GTTGAAAGTATAGAATTAGAA- AAT	42396					
Vaquita	CAGATGAAGT- - - - -	AAAAAGTTTTGAGATGTTGCACTTCAAGTTGGTATATACAGTTGAAAGTATAGAAGTAAATAT	38510						
Pig	CAGATGATCT- - - - -	AAAAAGTTTAGAGACGTTGCACTTCAAGTTGGTACATG- -	GTTGAAAGTATAGAGTTAGAA- TAT	34983					

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Majority	- - - GCCAGAACAGCTTGGGGAXATCCCAACCATTATTGGGAATGAATGAGTAAGCAGAGGGTT- CAAAGCAGCTXT- - - -								
	52330	52340	52350	52360	52370	52380	52390	52400	
Human	CCAGCCTGGCCAACATGGT	GAAACCCCATCT-	CTACTGAAAATAGAAAAATTAGCTGGGTGTGGTGGTGCACACCTGAAT						44527
PolarBear	- - - GCCAAAACAGCTTGAAGA	ACTCCCAACTATTATTGGGAATGAATATGTAAGCAGAGGGTT-						TGAAGCAGCTAT- - - -	13816
Cow	G- GGTGTGTGTGGGCGGGTGTCACTGTA	AACCATTTTGGACGTA	AAATGAGTTAGCAGAGGGGT-					CAGTGTGTGTGTGTAT	41665
Dog	- - - GCCAAT- TAGCT- GTGGACCTCCCA	ACTATTATTGGGAATGAGTACATAAGCAGACAGTT-						CAAAGGAGCTGT- - - -	39648
BelugaWhale	- - - - CCAGAACACGTTGGGG-	CAGTCCAACCATTTTGGGAAGTAAATGAGTTAGCAGAGGGGT-						CAAAGCAGGTAT- - - -	38008
Donkey	- - - ACCAAAACAGGTTGGGG-	- - - - - A- - - - - TCTGG-	- - - - - GAATGAATAAGTAGAGGGTT-					CAAAGCACAGGTAT- -	41893
Cat	- - - GCCAGTACAGCTTGAGGAATTCCCA-	CCATTACTGGGAATGCATGCTTAA-						CAGAAAGTT- CAAA- CAACTAT- - - -	44915
Ferret	- - - GCCAAAACGGCTTGAGGA	ACTCCCAACTATTACTGGGAATGAGTACATAAGCAGAGGGTT-						TGAAGCAGCTGT- - - -	41022
Lion	- - - GTCAGTACAGCTTGAGGA	ATTCCCA- CCATTACTGGGAATGCGTGCTTAA-						CAGAAAGTT- CAAA- CAACTAT- - - -	42566
Vaquita	- - - - CCAGAACACGTTGGGG-	CAGTCCAACCGTTTTGGGAAGTAAATGAGTTAGCAGAGGGGT-						CAAAGCAGGTAT- - - -	38688
Pig	- - - ATCAGAATAGTTGGGG-	- CACTCCAGCCATTTTGG-	- - - - - AAATGAGTCAGCTGAGGGTC-					CAAGGCAGGTGT- - - -	35160

Majority	- CAAATGAGTCAGGGAAGTAAGXA- - - - - AACTAGAAATGAATTGTTAA- - GGATGCTGTGAGAA- - - - - CAGA								
	52410	52420	52430	52440	52450	52460	52470	52480	
Human	TCCCAGCTACATGGGAGGCTGTGGCACGA-	- - GAATCACTTAAACCTGGGAAGTGGAGGTTGTAGTCAA-						- - - - - CCAAG	44598
PolarBear	- AAAATGAATCAGGGAAGTAAGAA-	- - - - - AACTAGAAATGAATTGTTAA-						GGGTGTTGTGAGAA- - - - - CAGA	13877
Cow	GCCTGCTTGTGTGTGCACTCAGTCATGTCCA	ACTTTTGTGACCCCATGGGCTGTAGCCCGCCAAGCTCCTCTATCCACA							41745
Dog	- AAAATGAATAAGGGAAGTAA-	- - - - - AACTAGAAAGGAATTGTTAA-						GGGTATTGTGGAA- - - - - CAGA	39706
BelugaWhale	- CAAATGAGTCAGGGAAGTAAGGA-	- - - - - AACTAGAAGTAAGTTATTAA-						GGATGCTGTGAGAA- - - - - CAGA	38069
Donkey	- CAAATGAGTCAGGGAAGTAAGAA-	- - - - - AACTAGACATGAATTGTTAG-						GGGTCTGTGAGAA- - - - - CAGA	41954
Cat	- ACAGTGAGTCAGGGAAGTAAGAA-	- - - - - AACCAGATGTGAATTGTTAG-						GGGTGCTGTGAGAA- - - - - CAGA	44976
Ferret	- AAAATGAATCAGGGAAGTAAGAA-	- - - - - AACAAGAAATGAATTGTTAA-						GGATG- - TGAGAA- - - - - CAGA	41080
Lion	- ACAGTGAGTCAGGGAAGTAAGAA-	- - - - - AACTAGATGTGAATTGTTAG-						GGGTGCTGTGAGAA- - - - - CAGA	42627
Vaquita	- CAAATGAGTCAGGGAAGTAAGGA-	- - - - - AACTAGAAGTAAGTTATTAA-						GGATGCTGTGAGAA- - - - - CAGA	38749
Pig	- CAGATGAGTCGGGGGTACGGAG-	- - - - - ACTTGAAAGAAGTCATTAG-						GGAGACTGTGAGGC- - - - - CAGA	35219

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Majority	GAGATTT- - - GGT AAGGAT GAGAGGGCTCACAGT- - XTTTCGGCCATGGATGGATTTAACAAATT- - - - - - - ACCCAG										
	52490	52500	52510	52520	52530	52540	52550	52560			
Human	ATCATGCCACTGCACTCCAGCCTGGCAATACAGCAAGACTCTGTCTTAGATAGATA- GATAGATAGATAGATAGATAGAT										44677
PolarBear	GAAATTT- - - GGT AAGGAT GAGAGGGCTCACAGT- - ATTTTGACCATGGATGGATTTAACAAATT- - - - - - - ACAAAT										13943
Cow	GAATTTTCCAGGCAAGAATACTGGAATGCGTTGCCATTTCTACTCGAGGGGATCATCCTGACCCTGGGATCAAACCCGG										41825
Dog	GACATTT- - - GGTAGGGATGAGAGGGCTCACAGT- - ATTTTGACCATGGATGAATTTAACAAATT- - - - - - - ACCCAG										39772
BelugaWhale	GAGATTT- - - GGT AAGGTTGAAAGGGCTCACAGC- - TCTTCCGCCACTGGTGGATTTAACAAATT- - - - - - - ACCCAG										38135
Donkey	GACATTC- - - AGTAAGGCTGAGAGGGCTCACAGT- - TCTTCCGGCTGCGGATGGGTTT AACAAATT- - - - - - - ACCTAG										42020
Cat	GATAT- - - - GGT AAGTATGAGAGGGCTTACAGT- - ATTTTGGCCATGGATGGATTTAACAAATT- - - - - - - ACCCAG										45040
Ferret	GAGATT- - - - GGT AAGTGTGAGAGGGCTCACAAAT- - ATTTTGATCCTGGATGGATTTAACAAATG- - - - - - - ATAAT										41145
Lion	GATAT- - - - GGT AAGTATGAGAGGGCTTACAGT- - ATTTTGGCCATGGATGGATTTAACAAATT- - - - - - - ACCCAG										42691
Vaquita	GAGATTT- - - GGT AAGGTTGAGAGGGCTCACAGC- - TCTTCCGCCACAGGTGGATTTAACAAATT- - - - - - - ACCCAG										38815
Pig	GAGATTT- - - GATAAGGATAAGAGGGCTCGTAGC- - TCTTCCACCAGGGGTGGATTTAATAAATC- - - - - - - ACCCAG										35285

Majority	GATCTTGGTGA- - - - AAXTTTTATGTGAAAAC- - - - GCAGGTA AAC- ACCAGTAAAAAGCAAAGGTCAGTCAAGG- AAA								
	52570	52580	52590	52600	52610	52620	52630	52640	
Human	AGA- TAGATACTGTGAAACCCAGTGCTAGAGT- - - - - GTTTATATTTAATAAGTAAAGATAGGTAGAGTATCGGAACAAA								44751
PolarBear	TAG- TGAG- - - - - ACCGTTTATGTAAAAGCT- - - - GCAAGTAAAT- ACCAGTAAAGAACAAAGGTCAGTCAAGG- AAA								14009
Cow	TCTCTTGCACCT- CCTGTATTGGCAGGCAAATTTCTTTACCACTGCACCACC- - TGGGAAGTAGCAGAGGGTCCAACAGG								41902
Dog	CATCTTAGTG- - - - - AACTTAATATGAGAACT- - - - GCAGGTA AAC- ACTAGTAAAGAGCAAAGGTCAGTCAAGG- AAA								39841
BelugaWhale	GATCTTGGTGA- ACCCTTTTG- TGTGAAAAC- - - - ACAGTTAAAAAGCCAGTAGAAGACAAAAGTCAGTCAAAG- AGA								38208
Donkey	GGTCTTATAAG- - - - GTCACCTTATGTGAAAAGCT- - - - GCAGGCAGAA- GCCAGTAGAGAACAAAGGTCAGTCAAGG- AGA								42090
Cat	AATCTTGGTGA- - - - GACTGTTACGTGAAAAC- - - - GT- GATAAAC- ACCAGTAAAAAGCAAAGGTCAGTCAAGG- GAA								45109
Ferret	TAG- TGAGTGAAGCATT TTTTATGTCAAAAAC- - - - GTAGGTA AAC- ACCACTGAAGAGCAAAGGTCATTCAAGG- AAA								41218
Lion	AATCTTGGTGA- - - - GACTGTTACGTGAAAAC- - - - GT- GATAAAC- ACCAGTAAAAAGCAAAGGTCAGTCAAGG- GAA								42760
Vaquita	GATTTTGGTGA- - - - - G- TGTGAAAAC- - - - ACAGTTAAAAAGCCAGTAGAAGACAAAAGTCAGTCAAAG- AGA								38888
Pig	GACCTTG- - - - - - - - - - - G- TGAG- - - - - - - - - - ACCCCTGTG- - - - - - TGTGAA- - AACTGCAGGTA AAAAGGAGA								35331

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Majority	AAAXAXATGGACT- - GATTAAAGGTGAAGGXA- ATGTTCACTTTAGAATTGAGGTAGAAAACCACTTTTGAXXTTGGXAG									
	52650	52660	52670	52680	52690	52700	52710	52720		
Human	AACAGCATGGGA- - -	ACTAACAATTTTGGGGAATG- - -	AATGAGTAATCAGGATTC	CAAAGCAAGTATCAA-	TGAGT	CG			44824	
PolarBear	AAAGAGATAGAGT- -	GATCAAAGGTGAAG- - -	ATGTTCTCTATAGAATT	GAGGTAGAAAATGACTT	CTGAGTTT	GGAAG			14083	
Cow	TATCAAATGAATTAGGAATTAAAGAACTGGAAATG- - -	AGTATTGGGGT	GCTGTAAGAAA-	- - - - -				AG	41962	
Dog	AAG- - -	AGAGACT- -	GACGAAAGGTGAAG- - -	ATGTTCACTATAGAATT	GAGGTTGAAA	ACTTTT	GAGTTT	GGAAG	39912	
BelugaWhale	AATGAGATGGACTGGGACTGTTCAAAGTGAAGATGTTCACTTTAGA	ACTGAGGTAGAAA	ACTTTT	AAGTTT	GTATT	GGA			38288	
Donkey	GAAGAGATGGACT- -	GATCAAAGGTGAAG- - -	ATGCTCACTTTAGATTT	GAAGTAGAAA	ACCACTTTT	GAGATT	GGAAG		42164	
Cat	AAA- - -	AGAGACT- -	GATTAAAGGTGAATGAACATGGTCACTTTAGAATTGTGGT	AGAAA	ACCACTTTT	GAATTT	GGCAG		45184	
Ferret	GAA- - - -	TAGACT- -	GATCAGAGGTGAAG- - -	ATGTTCACTATAGAATT	GAGGTAGAAA	ACCACTT- - - - -	G		41276	
Lion	AAA- - -	AGAGACT- -	GATTAAAGGTGAATGAACATGGTCACTTTAGAATTGAGGT	AGAAA	ACCACTTTT	GAATTT	GGCAG		42835	
Vaquita	AAAGAGATGGACTGGGACTGTTCAAAGTGAAGATGTTCACTTTAGA	ACTGAGGTAGAAA	ACTTTT	AAGTCTATATT	GGA				38968	
Pig	AAACAAAGG- - - - -	TCAGTAAA	GGGAAAAG- - -	AGG- -	TGGACT	GGTA-	- - - - -			35370

Majority	AG- AAGTATTCAAATAGAAATAGTTTTTGCATTTTTTTX- - ACATATTATTX- - - - T- GAATTTGAGAAGAACATCT- - T								
	52730	52740	52750	52760	52770	52780	52790	52800	
Human	GGAAATTAGAAAAGTAGAAAT- - - - -	TGAAGTTTTT	AG- -	GGGTGCTATTAG- - -	AGAAATTCAGT	GAGGAAGAGA- - -			44890
PolarBear	AG- AAGTATACAAATAGAAATAGTTTTTACATTTTTTT- -	AACATATTATTG- -	TTTCGCATTT	GAAAGA	ACATCT- -	T			14156
Cow	AG- GTTTGGTAAGATGAGAGGG- CCCATGGCTC- TTTGAC- CCATATGGAT- - - - -	T- TAACA- - - - -	AATAACCA- -	G					42025
Dog	AG- AAGTATT- AAGTAGACATAGGTTTTACATTTTTTTTTTACATACTATTTT- -	TTCGAATTT	GAGAGGA	ACATCT- -	T				39986
BelugaWhale	AT- GTTCACTTAGAAACAAGTT- TCTGTGTCTTGTTTTGA- ATTTGTGAGT- - - - -	A- GAAGAGCTCTATTAAGCCA- -	A						38357
Donkey	AG- AAGTGTTCAAATAGAAACAGTTTTTACGTTTTCTTTG- -	TTTTGAATT- - - -	TGTGAGTAGAAGAATATCTTTGCT						42236
Cat	AGGAAGTATTCAAATAGAAACAGTTTTTGCATATTTTT- -	ACATATTATTTT	GTTTCAAATTT	GAGAAGA	ACATCT- -	T			45259
Ferret	GG- AAGTATTCAAATAGAAATAGTTTTTACTTTTTTTTTTAACATATTATT- - - - -	TTGAATTT	AGGAAGA	ACATCT- -	T				41348
Lion	AG- AAGTATTCAAATAGAAACAGTTTTTGCATATTTTT- -	ACATACTATTTT	GTTTCAAATTT	GAGAAGA	ACATCT- -	T			42909
Vaquita	AT- GTTCACTTAGAAACAAGTT- TCTGTGTCTTGTTTTGA- ATTTGTGAGT- - - - -	A- GAAGAGCTCCATTAAGCCA- -	A						39037
Pig	- - - - -	CTGATCAAATGTGAAG- - - - -	ATGTTA- CTTTA- - - - -	GGAT- - - - -	T- GAGGT- - - - -	AGAAGGTTT- -	G		35418

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Majority	AAGXX- - AGGCTTTAAGAAGGCTGAATAATAT- - GGAAAATAAT- - - ATTAAAGATTTCTXCAATTTATATACAACCTAT								
	52810	52820	52830	52840	52850	52860	52870	52880	
Human	GGTTTACAGTTCCTTGTTGACTGATGGATGT- - - - - GGTGATTTAAC- - AAATTACCCATGATCCTTGC- CGACACCC								44961
PolarBear	AA- - - - - AAGCCTTAAGAAGTCTGAATAACATATGGGAAATGATGTGATTAAGATTTCTTCAATTTATATACAACCTAT								14231
Cow	AA- - - - - - - - TCTTGGTGAGACTTTTTTGT- - - - - GTTAAAAC- - - A- - - - CAATATAAGCCACTAG- - - - - AAAATAA								42080
Dog	AAGCA- - AAACTTTAAGAAGGCTAAATAATACATGGAAAATGATGTGATTACAGATTTCTGCAATTT- - ATACAACCTGT								40062
BelugaWhale	AGG- - - - CTTTTTAAAGAAGGCATATATGGAA- - - GACAGTATA- - - A- - - - AGATTTCTACAATTTATATGCAGCTTAC								38423
Donkey	AAGCAAAAAGGCTTTAAGAAGACCAAATTATATATGGAAAATGGTGTAAATTAATGATTTCTATAATTTATATGTAACCTTAT								42316
Cat	AAGCAAAAAGGCTTTAAGAAGGCTGAATAATATATGGAAAATAAT- - - ATTAAAGGTTTCTGCAATTTATATACAACCTGT								45336
Ferret	AAGCATAAGGCTTTAAGAAGGCTGAATAACAT- - GGGAAATGTTGTGATTAGAGGTTTCTGTAATTTTTATACAACCTAT								41426
Lion	AAGCAAAAAGGCTTTAAGAAGGCTGAATAATATATGGAAAATAAT- - - ATTAAAGATTTCTGCAATTTATATACAACCTGT								42986
Vaquita	AGG- - - - CTTTTTAAAGAAGGCATATATGGAA- - - GACAGTATA- - - A- - - - AGATTTCTACAATTTATATGCAGCTTAC								39103
Pig	AA- - - - - - - - TTTGGAAGAGG- - - - - - - - - - - - - AATATT- - - C- - - - AAATAGAAACAGTTT- - - - - - - - TTAC								35457

Majority	ATGCATGAATAAAGCATTACTAC- - AGTTGTTGCXTAA- - - CXTAGAAATCATTTTA- ATTATTACT- - GGTTTTACAT								
	52890	52900	52910	52920	52930	52940	52950	52960	
Human	ATTTATG- - TAAAAATTGCAGGTAAAAGCTAGTGGAGAA- - - C- - AAAGGTCAGTCAGCAGGAGAAAAGTGATGTACTGA								45034
PolarBear	GTACATAAATAAAGCATTACTACATTGTTGTTGCCTTAGTTCTTCGAAATCATTTTA- ATTATTACT- - GATTTTACAT								14308
Cow	AC- TGTGG- - - AAAATTCTGAGAG- - AGTTGGGAATACC- - - - - - - AGACCACCTGA- CCTGCCTCTTGAGAAATCTGT								42145
Dog	ATGCATAAATAAAGCATTACGAC- - - GTTGTGCCTTA- TTCTTAGAAATCATTTTA- ATTATGACT- - GGTTTTACAT								40135
BelugaWhale	ATGCATGAGTAAAAGCATTACTAC- - ATCTGTTGTTGAA- - - - - - - AAACAGTCTT- - TAAAAATTCTTTAGTTTTACAT								38491
Donkey	GTGCATAAGTAAAAGCATTACTAT- - - GTTGCATACATTA- - CATAAGAATTATTTTA- ATTATTACT- - GGTTTTACAT								42388
Cat	ATGCATAAATAAAGTATTACTATATTGTTGTTGCCTAAGTTCTTAGAAATCATTTTA- ATTGTTACT- - GGTTTTACAT								45413
Ferret	ATGCACGAATAAAGCATTACTACATTGTTGTTGCCTTGGTTCTTCGAAATCATTTCA- ATTATTACT- - GGTTTTACAT								41503
Lion	ATGCATAAATAAAGTATTACTATATTGTTGTTGCCTAAGTTCTTAGAAATCATTTTA- ATTGTTACT- - GGTTTTACAT								43063
Vaquita	ATGCATGAGTAAAAGCATTACTAA- - ATCTGTTGTTGAA- - - - - - - AAACAGTCTT- - TAAAAATTCTTTAGTTTTACAT								39171
Pig	AT- CTTG- - - - - - - - TCTTGA- - - - - ATTTGTGAGTAGA- - - - - - - AAAACATCC- - - - - - - - - - - TCCCT								35496

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Majority	ACACAAACCAAAGTTTCTGGATTTACXTGGG- - - GAGTGGAAGGGAAAAGAT- XATG- GAAAGAAGTCCAAA- TTATT																																																																												
	52970	52980	52990	53000	53010	53020	53030	53040																																																																					
Human	T	C	A	G	A	G	G	T	G	A	A	A	C	T	T	T	T	A	G	A	A	T	T	G	A	G	-	-	-	-	G	T	G	A	A	A	A	C	T	G	T	T	T	T	G	A	G	T	T	T	T	G	A	A	G	A	G	T	A	T	-	-	-	C	A	A	45105										
PolarBear	T	C	A	C	A	A	C	C	A	A	A	A	G	T	T	T	G	T	G	C	T	T	T	A	C	C	T	G	G	-	-	-	G	A	G	C	G	G	A	A	A	A	G	A	T	-	C	A	T	G	-	G	A	A	G	A	A	G	T	C	C	A	A	-	T	T	A	T	14381								
Cow	A	T	G	C	A	G	G	T	C	A	A	G	C	A	A	C	A	G	T	T	A	G	A	A	C	T	G	G	A	C	A	T	G	G	A	C	A	C	A	C	A	G	A	C	T	G	G	T	T	C	C	A	A	A	T	A	-	G	G	A	A	A	G	G	A	G	T	A	C	G	-	T	C	A	A	G	42223
Dog	T	C	A	C	A	A	C	C	A	A	A	G	T	T	T	C	T	G	G	T	T	T	A	C	C	T	C	A	G	-	-	-	G	A	C	T	A	G	A	A	G	G	A	A	G	A	T	T	A	T	A	-	G	A	A	G	A	A	G	T	C	C	A	A	A	T	T	A	T	G	40210						
BelugaWhale	A	C	C	T	A	A	-	C	C	A	A	G	T	T	T	C	T	G	T	C	T	G	G	A	T	T	A	C	C	T	G	-	G	G	A	A	G	T	A	A	G	G	A	A	G	A	T	T	G	T	G	-	G	A	A	G	A	A	G	T	C	C	A	A	-	T	T	A	T	A	38567						
Donkey	A	A	C	C	A	A	A	C	C	A	A	A	G	T	T	T	C	T	G	G	A	C	T	T	A	C	C	T	G	G	-	-	-	G	A	G	T	G	G	A	A	A	G	A	A	C	-	A	G	C	A	-	G	A	A	G	A	A	G	T	C	C	A	A	-	T	T	A	T	42461							
Cat	A	C	A	C	A	A	C	C	A	G	A	A	G	T	T	T	C	T	G	G	A	T	T	A	C	T	T	G	A	G	-	-	-	G	A	G	T	G	G	A	A	A	A	G	A	T	-	C	A	T	G	-	G	A	A	G	A	G	T	T	C	A	A	-	-	-	T	T	45483								
Ferret	T	C	A	C	A	T	A	C	C	A	A	A	G	T	T	T	G	T	G	G	A	T	T	A	C	C	T	G	G	-	-	-	G	A	G	T	G	G	A	A	A	A	G	A	T	-	C	T	T	G	-	G	A	A	G	A	A	G	T	C	C	A	A	-	T	T	A	T	41576								
Lion	A	C	A	C	A	A	C	C	A	A	A	G	T	T	T	C	T	G	G	A	T	T	A	C	T	T	G	A	G	-	-	-	G	A	G	T	G	G	A	A	A	A	G	A	T	-	C	A	T	G	-	G	A	A	G	A	A	G	T	C	A	A	-	-	-	T	T	43133									
Vaquita	A	C	C	T	A	A	-	C	C	A	A	G	T	T	T	C	T	G	T	C	T	G	G	A	T	T	A	C	C	T	G	-	G	G	A	A	G	G	A	A	G	A	T	T	G	T	G	-	G	A	A	G	A	A	G	T	C	C	A	A	-	T	T	A	T	39247											
Pig	A	T	G	C	A	-	-	-	A	A	A	G	G	C	T	T	T	C	T	T	A	A	G	A	-	G	G	A	-	-	-	-	-	-	-	-	-	-	-	-	A	A	C	T	A	G	T	-	A	T	A	T	-	G	G	A	A	A	G	G	T	G	T	A	T	-	T	G	G	A	G	35553					

Majority	GTACTTTGTCTTCTGAAGAATCATAGATCTGTAACCCAGAGAGACCCAATCTTCCTTACTTCTCTGATAGGGTAATAAAT																																																																																			
	53050	53060	53070	53080	53090	53100	53110	53120																																																																												
Human	G	T	A	G	A	A	C	C	A	T	T	T	T	A	A	A	T	T	T	T	T	T	G	C	T	T	T	G	A	A	T	C	C	G	T	G	A	T	A	C	A	T	C	T	T	C	C	C	T	A	A	G	C	-	-	A	A	G	A	G	G	C	T	T	G	A	A	45183																
PolarBear	G	T	A	C	T	T	T	G	T	C	T	T	C	T	G	A	G	A	A	T	C	A	C	A	G	A	T	C	T	G	T	A	A	C	C	C	A	G	A	G	A	G	A	C	C	C	A	A	T	C	T	T	C	C	T	T	A	C	T	T	-	-	-	-	G	G	T	A	A	A	A	T	14456											
Cow	G	C	T	G	T	A	T	T	G	T	C	-	-	-	-	A	T	C	C	T	G	C	T	T	A	T	T	T	A	T	T	A	T	-	-	-	A	-	-	-	-	-	-	-	T	G	C	A	G	A	G	T	A	C	-	-	-	A	T	C	A	T	G	A	G	A	A	A	T	G	C	T	42282											
Dog	G	T	A	C	T	T	T	G	T	C	T	T	C	T	G	A	G	A	A	T	C	A	C	A	G	A	T	C	T	-	-	A	A	C	C	T	A	G	A	G	A	G	A	C	C	C	A	-	-	-	T	C	T	T	T	A	C	T	T	C	T	G	A	T	A	G	G	A	T	A	A	A	T	40285										
BelugaWhale	G	T	A	C	T	T	T	G	T	C	T	T	C	T	G	A	G	A	A	T	C	A	T	A	G	A	T	C	T	G	T	A	A	C	C	C	A	G	A	G	A	G	A	C	C	C	A	T	C	T	T	C	C	T	T	A	C	T	T	C	T	A	A	T	A	G	G	T	C	A	T	A	A	A	T	38647								
Donkey	G	T	A	T	T	T	T	G	T	C	T	T	C	T	G	A	A	A	A	T	C	A	T	A	G	A	T	C	T	G	T	A	A	C	C	C	A	G	A	G	A	G	A	C	C	C	A	G	T	C	T	T	C	C	T	T	A	C	T	T	C	T	G	A	G	A	G	G	T	G	A	T	A	A	A	T	42541							
Cat	A	T	T	C	T	T	T	G	C	C	T	-	T	G	A	A	G	A	A	T	C	C	T	A	G	A	T	C	T	G	T	A	A	C	C	C	A	G	A	G	A	G	A	C	C	C	A	A	T	C	T	T	C	C	T	T	A	C	T	T	C	T	G	A	T	A	G	G	T	A	A	A	T	45562										
Ferret	G	T	A	C	T	T	T	G	T	C	T	T	C	T	G	A	G	A	T	C	A	C	A	G	A	T	C	T	A	A	C	C	C	A	G	A	G	A	G	A	C	C	C	T	G	A	C	T	T	C	C	T	T	A	C	T	T	C	T	G	A	T	A	G	G	T	A	A	A	T	41656													
Lion	A	T	T	C	T	T	T	G	C	C	T	-	T	G	A	A	G	A	A	T	C	C	T	A	G	A	T	C	T	G	T	A	A	C	C	C	A	G	A	G	A	G	A	C	C	C	A	A	T	C	T	T	C	C	T	T	A	C	T	T	C	T	G	A	T	A	G	G	T	A	A	A	T	43212										
Vaquita	G	T	A	C	T	T	T	G	T	C	T	T	C	T	G	A	G	A	A	T	C	A	T	A	G	A	T	C	T	G	T	A	A	C	C	C	A	G	A	G	A	G	A	C	C	C	A	T	C	T	T	C	C	T	T	A	C	T	T	C	T	A	A	T	A	G	G	T	C	A	T	A	A	T	39327									
Pig	-	-	-	-	-	A	T	T	T	C	T	C	-	-	-	-	-	-	-	A	A	C	T	T	G	-	-	T	A	T	G	C	A	A	C	C	C	A	T	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	T	G	C	T	A	-	-	-	-	-	-	-	-	-	-	A	G	T	A	A	A	G	C	A	T	T	A	C	35601

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Majority	GGCCTATATGTTTCATAAGCTAA- - - GGGCTATAXATTTTCTTGTGTCCTTTTTCTTTTCTAGGGXTGGAGTGTTTTT- -								
	53130	53140	53150	53160	53170	53180	53190	53200	
Human	GAGTTGAATAATGTATGGAAAATGGTGTGCTTAAAGATTTTTTACATTCATA- - - - TACAATGAATAAAA- - TTTAT- -								45254
PolarBear	GGCCTACTTGTTTCATAAGCTAA- - - GGGCTGTACATTTTCTTGTGTCCTTTTTCTTTTCCAGGGATGGAGTGTTTTT- -								14531
Cow	GGGCTGGATGAAGCACAAGCTGG- - - - AATAAAGATTGCTG- GGAGAAATA- - - - TC- - AATAACCTCAGAT- - - - -								42343
Dog	GGCCTATGTGTTTGATAAGCTAA- - - GGGCTATACATTTTCTTGTGTCCTTTTTCT- - - - - AGGGCTGGAGTTTTTTTT- -								40354
BelugaWhale	GGCCTACATGTTTCATAAGTTGA- - - - GACCACACTTTGTTTTATTTATTTATTTATTTTGGCTGCGTTGGGTCTTCAT								38723
Donkey	GGCCTAGATGTTTTATAAGCTGA- - - GGACCACATGTTTTCTTATGCCTTTTTCTTTTCCAGGCCTGGGGTGTTTTT- -								42616
Cat	GGCCTATGTGTTTTATAAGCTAA- - - GGGCTATATATTTTCTTGTGCCCTTTTTCTTTTCTAGGGCTGGAGTGTTTTT- -								45637
Ferret	GGCCTATGTGTTTCATGAACATAACAGGCTATATATTTTCTTGTGTCCTTTTTCTTTTCCAGGTATGGAGTGTTTTTCT								41736
Lion	GGCATATGTGTTTTATAAGCTAA- - - GGGCTATATATTTTCTTGTGCCCATTTTCTTTTCTAGGGCTGGAGTGTTTTT- -								43287
Vaquita	AGCCTACATGTTTCATAAGTTGA- - - - GGCCACACTTTGTTTTATTTATTTA- - - - TTTTTGGCTGCGTTGGGTCTTCAT								39399
Pig	CCATTCGTTGTTGCATAAATTC- - - - - TTAAA- ATTATT- - - - TTAATTA- - - - TT- - ACTAGTCT- - - - -								35651

Majority	-----								
	53210	53220	53230	53240	53250	53260	53270	53280	
Human	-----								45254
PolarBear	-----								14531
Cow	----- ATGCAGATGA- - - - - CACCACGCTTATGGCAGAA- - - - A- GCGAAAAAGA- - - - -								42383
Dog	-----								40354
BelugaWhale	TGCT- - - GCACGCGGGCTTTCTCT- AG- - TTGCGGCGAGCAAGGGGCTACTCTTCGTTGCAGTACACAGGC- - - - - TT-								38790
Donkey	-----								42616
Cat	-----								45637
Ferret	TTTTTTAATTTTTAAATTTTTTTTTTAAATTTTTTTTATAAACATAATGTATTTTTATCCCCAGGGGTACAGTCTTTGAATTG								41816
Lion	-----								43287
Vaquita	TGCT- - - GCACGCGGGCTT- - T- - - - - TGCGGCGAGCAAGGGGCTACTCTTCGTTGCAGTACACAGGC- - - - - TT-								39459
Pig	----- TGCAAAC- - - - - CCAAACCAAAGTTGCA- - - - - T- G- - - - ATTTA- - - - -								35682

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Majority	----- ATATATGAAAATATGCTTTAGTXA- TATGATTXXAAAXGTCX								
	53290	53300	53310	53320	53330	53340	53350	53360	
Human	----- ATGCATAAATAAAAGCATTACCTCATGCCTTCTTAA- - - - CT								45292
PolarBear	----- ATATAGGAAAGTGTGCTT- AGTCG- TATGATT- - - - -								14561
Cow	----- ACTAAAGAGCCT- - - - - CT- TGATGAAAGTGAAAGAGG- - AGAGTGAAAAAGTT- - AAATCTCA								42437
Dog	----- ATGTATGAAAGTATGCTT- AGTCA- TATGATTTAAAAAGTCC								40394
BelugaWhale	----- CTCATTGGACGGCTT- - - - - CTCTTATTGCAGAGCATGGGCTCTAGGTACGCAGGCTT- CAGTAGCT								38851
Donkey	----- ATATATGAAATTAGGCTT- AGTTG- TGTGATTAAGAAATC-								42655
Cat	----- ATAGATGAAAGTATGCTTTAGTCG- TATGATTAAGAAGTCC								45678
Ferret	CCAGCAGGTTTACACACTTCACAGCATGGAGTGT TTTTATATATGAAAATATGCTT- AGTCA- TATGATTA AAAA- GTCC								41893
Lion	----- ATATATGAAAGTATGCTTTAGTCAATATGATTAAGAAGTCC								43329
Vaquita	----- CTCATTGGACGGCTT- - - - - CTCTTATTGCAGAGCATGGGCTCTAGGTACGCAGGCTT- CAGTAGCT								39520
Pig	----- CCTGGGGA- - - - - ATGGAAGGGAAGGGT- - GCGGAAAGAAGTCC- AAATGATT								35729

Majority	GTATTTXCCAATTTTCATGTT- TCAT- - - - -								
	53370	53380	53390	53400	53410	53420	53430	53440	
Human	GAACATAAACATTTGAATTACT- - - - -								45317
PolarBear	-----								14561
Cow	ACATTCAGAAA ACTAAGA- - - TCAT- - - - -								42459
Dog	TCATTTCCCAATTTTCATGTTCTCAT- - - - -								40419
BelugaWhale	GTGGCATGCGGGCTCAGTAG- TTGT- - - - -								38875
Donkey	- - ATTTTCCAGTTTTGCATTCTCATAATGTCGTTATTTTAAATGAAGATTTTTCATCATAT- - - - -								42713
Cat	TTATTTCCCAATTTTCATGTTCTCAT- - - - -								45703
Ferret	ACATTCCTCATTTTATGTTTTCTTTTTGGTTTTTATTTATCTATTTTTTTATTAGCATATGTATTATTTGTTTCAGGA								41973
Lion	TTATTTCCCAATTTTCATGTTCTCAT- - - - -								43354
Vaquita	GTGGCATGCGGGCTCAGTAG- TTGT- - - - -								39544
Pig	GTACTTTGTCTTCTGAA- - - - - A- - - - -								35747

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Majority	53770	53780	53790	53800	53810	53820	53830	53840	
Human	-----								45317
PolarBear	-----								14561
Cow	-----								42459
Dog	-----								40419
BelugaWhale	-----								38875
Donkey	GGGATTCTCCTATAGTAAATTAAGAGCACAGGCTGTGGAGTCATATACTTCCTGAGTTTTAATCCTTTTTCTGCCACTTC								42949
Cat	----- TCTC-----								45709
Ferret	ATTTTTTTGATGGTTGCATAACATTCTTTTTTCATCTATCTATCTATCTCACATCTTCTTCATCCATTCATCTGTTGATGG								42373
Lion	----- TCTC-----								43360
Vaquita	-----								39544
Pig	-----								35747

Majority	53850	53860	53870	53880	53890	53900	53910	53920	
Human	----- G								45318
PolarBear	-----								14561
Cow	-----								42459
Dog	-----								40419
BelugaWhale	-----								38875
Donkey	CCGTCTTCACCACTTAGTAACTGTCTGACCTTGGCAACTTCACTAGCTGTCATCATAAATGGGATTGATGGGTCATGATA								43029
Cat	-----								45709
Ferret	ATATCTAGGCTCTTTCCATAGTTTGGCTATTGTGGACATTGCTGCTGTAAACTTTGGGGTGCACTTGCCCCTTCTGATCA								42453
Lion	-----								43360
Vaquita	-----								39544
Pig	-----								35747

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Majority	-----XGCATXC-----AATCTTAAGXG								
	53930	53940	53950	53960	53970	53980	53990	54000	
Human	-----GTTTTACACGCCCAAACAAAAGTTCTGGGTT								45349
PolarBear	-----								14561
Cow	-----GTCATCC-----AGTCCCATCAC								42477
Dog	-----								40419
BelugaWhale	-----GGCTCGC-----GAGCTCTAGCG								38893
Donkey	ATAGCATCTTAGAGGTGTAAGTAGTTAACTTCCAGAGAATGTTAAATATCTATGCAAAAGAAAAGTAGCATCTTTTCTG								43109
Cat	-----ATTATCTAAACTGAA-AACTTTAATAA								45735
Ferret	CTACATCGTATCTTTGGAGTAAATACCCAGTAGTGCTGGATGAGAGATAGCTCTGTTTTCAACTTGAGGAATCTCCATGC								42533
Lion	-----ATTATCTAAAATGCA-AACTTTAATAA								43386
Vaquita	-----GGCTCGC-----GAGCTCTAGCG								39562
Pig	-----AATCCTAGGTT								35758

Majority	TACTTXXCAAATAGAT-X-----GTA-----AXXATTAGCTGXCTTTCCTTTCTT-----								
	54010	54020	54030	54040	54050	54060	54070	54080	
Human	TACTGGAGGAATGGA-----AGGGAAAGATCTCTTTCATTCCCC--A-----								45390
PolarBear	-----								14561
Cow	TTCATGGGAAATAGATGG-----GCA-----AACAGTGGCTGACTTTATTTTCTG-----								42523
Dog	-----								40419
BelugaWhale	TGCAGGTTCAGTAGCTGTGGT-----GTA-----AGGCTTAGCTGCTCCGCGGCATGTG-----								38942
Donkey	TATTTCTCCAAAAAACAGGTTGTCT--TCTTTGACTGTAAAACATCTACCTTCTTGTATTTCAGCTTTTTTA--								43184
Cat	TATTTACACCAAATATGAATATTTAGTACTAAAGTATGAATATTTAGTAGCTACCCCTTCTA-----								45799
Ferret	TGTTTTTCAGAGTGGCTGCATCAGCTTGCATTCCCACAACAGTATAGGAGGGTTCTCCTTTCTCTGCATCCTCGTCAACA								42613
Lion	TATTTACACCAAATATAAATATTTAGTACTAAAGTATGAATATTTAGTAGCTACCCCTTCTA-----								43450
Vaquita	TGCAGGTTCAGTAGCTGTGGT-----GTA-----AGGCTTAGCTGCTCCGTGGCATGTG-----								39611
Pig	TTCAACCCAGAGAGA-----GCCCATCTTCCTTACTT-----								35790

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Majority	-----AGX--TCTCAACTAACAGX-G-X-XAACACATXGTGX-----CTGTATXTTT-----								
	54090	54100	54110	54120	54130	54140	54150	54160	
Human	-----GTAAACCTTTCCCATTCAGGATCATGGGAAGATGCTGAAGAATTGTAGAAGTCTG								45443
PolarBear	-----								14561
Cow	-----AG----CTCCAAAATCAC-----TGCGAGATGGTGA-----CTGCAGCCATG								42560
Dog	-----A-----T-----								40421
BelugaWhale	-----GGA--TCTCGCGGACCAGG-GCTCGAACCCATGTCCC-----CTGTATTGGCA								38987
Donkey	-----CTTCTGCTTTTACCACCCACTGTCCAGAAATTATCTAACACAAATCCTTAACAATAAACTATTC								43248
Cat	-----AAC--TATTAACAACTGAGGGAATATCAGAGTGTGACCAAAGTGTAAAGTTTT								45850
Ferret	TCTGTCAATTCCTGACTTGCTAATTGTAGCCATTTTGAAGTGTGAGGTGGATCTCATTGTGGTTTTGATTTGATTTT								42693
Lion	-----AAC--TATTAACAACTGAGGGAATATCAGAGTGTGACAAAAGTGTAAAGTTTT								43501
Vaquita	-----GGA--TCTCCCGGACCAGG-GCTCGAACCCATGTCCC-----CTGTATTGGCA								39656
Pig	-----CTCAAATAGGAA-----AATAAATGGT-----CTGTATGTTT-----								35822

Majority	X-----XXATTAXAAACAGATGXGCTCCTXGGXAAGATATATGATGACAXAT								
	54170	54180	54190	54200	54210	54220	54230	54240	
Human	T-----AACACAGGCAGACCTAATGCTTCATAAGCTA-ATGTTTCCATTT								45487
PolarBear	-----								14561
Cow	-----AAATTTAAAGATGATG-GCCCCTTGG-AAGACAAGTTATGACCAAC								42604
Dog	-----T-----								40422
BelugaWhale	GGC-----AGATTCTAAACCACTGCGCCACCAGGGAAGCCCCAAGGCCACACAT								39036
Donkey	TATTCT-----CTTCATAATAGGTTTAGGGAGACTTTACCTTTTGGAAATCATATTCTAAAAGTCAT								43310
Cat	GATGTT-----ACATGGTCTTTGGAAGAAAAGGACAGATCCTCTCTTGGCAATTGTGTATAATGCAATAT								45915
Ferret	CATGATGCCGAGTGTGTCGAGCACTTTTTCATGTGTTAGCCATCTGATGTCTTCTTTGGAGAAATGTCTGTTTCTT								42773
Lion	GATGTT-----ACATGGTCTTTGGAAGAAAAGGACAGATCCTATCTTGGCAATTGTGTATAATGCAATAT								43566
Vaquita	GGC-----GGATTCTAAACCACTGCGCCACCAGGGAAGCCCCAAGGCCACACAT								39705
Pig	-----CATAAGCTGAGG-GCCAC-----ACATTTTGTGCCTTTT								35855

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Majority	TTGGAXX- - - - - C- T- - - ATTTTXCAGTGTTXGGGTA	CT- - - - - TTTATAXATGAAAGTCAGT	XTAGTT						
	54250	54260	54270	54280	54290	54300	54310	54320	
Human	TTGGACC- - - - -	CTTTTTCGGTGTTGCTGGAGTGTG- - - - -	TTTATATTTGAAAATAGGCTTTGTT						45543
PolarBear	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	14561
Cow	CTAGACA- - - - - AC- - - - -	ATATTA AAAAGCGGAGACATTA- - - - -	CTTTGCCAGCAAAGGTCTGTCTAGTC						42661
Dog	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - - C-	40423
BelugaWhale	TCAGTGT- - - - -	CCTTTCTCTTTTCCAGGGTTGGGGTACT- - - - -	TTTATATATGAAAGTCAGCTTAGTT						39096
Donkey	TTGAAAAGAGAAGCCT- - - - -	TTTTT CACCCTATATATACAGTGATAGGTGGTATCTTTATTATGGTGCTTTTTTCTCGAC							43386
Cat	TTGTCTTTGGGATCCTTGTATAGTGTGGTGGGTAAAGACCACAGGCCATGGAGTCCTATTTCTGAGTTTCAGTCTTTTT								45995
Ferret	TTGCCCATTTCTTCTTGGATTATTTGTTCTTTGGGTATTGAGTTCCTATAAGGTCTTTGTAGATTTTGGATACTAGCCCT								42853
Lion	TTGTCTTTGGGATCCTTGTATAGTGTGGTGGGTAAAGACCACAGGCCATGGAGTCCTATTTCTGAGTTTCAGTCTTTTT								43646
Vaquita	TCAGTGC- - - - -	CCTTTCTCTTTTCCAGGGTTCCGGTACT- - - - -	TTTATATATGAAAGTCAGCTTAGTT						39765
Pig	TTAAA- - - - -	GTTTTCCAAGGTTGGAGTGT- - - - -	TTTGTAAATGAAAGTTAGCTTAGTT						35906

Majority	XTATTTXXAGA- - - - -	AXTCATCATTCTCAATTTGAXAG- - - - -	TTCA- - CATA- - - - -						
	54330	54340	54350	54360	54370	54380	54390	54400	
Human	ATATTATTAAGGAGCCCCCATTCCCAGTTTCACTTCTCATAG- - - - -	TATCATTTAT- - - - -							45597
PolarBear	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	14561
Cow	AAAGATTTGGTT- - - - -	TTTCCATTAGTCACGTATGGATGTGAGAG- - - - -	TTGGACCATAA- - - - -						42713
Dog	- - - - -	- - - - -	- - - - - TC- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	40425
BelugaWhale	TTATTTAAAGA- - - - -	AATCATCATTCTCAATTTTACA- - - - -	TTCT- - CATA- - - - -						39138
Donkey	CTATTTCCAGAAGGAAAAGGACAGACTAAATTAGAA- AAAACTGAAGTTTGCTGTTTTGAGTTTCCTGATACCAAAACCT								43465
Cat	CTATTA CTCTTGTCTTTTACTACTTAATGTCTGACCTTGGTCGACTTAACTAGCTCTTATCCATAAATGGGATTGACT								46075
Ferret	TTATCTGATATGTCATTTGCAAATATCTTCTCCATTCTGTTGGTTGTCTTTGGTTTTGTTGACTGTTTCCTTTGCTATG								42933
Lion	CTATTA CTCTTGTCTTTTACTACTTAATGTCTGACCTTGGTCGACTTAACTAGCTCTTATCCATAAATGGGATTGACT								43726
Vaquita	TTATTTAAAGA- - - - -	AATCATCATTCTCAATTTTACA- - - - -	TTCT- - CATA- - - - -						39807
Pig	ATATTTAAAGA- - - - -	AATCATCGTTTCCCAATTTTACA- - - - -	CTCG- - CATAA- - - - -						35949

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Majority	ATAAAXTT-----G-----XT-----AGACTTACXTAATATTTAGGACTA								
	54410	54420	54430	54440	54450	54460	54470	54480	
Human	TTAAAATG-----A-----AGACTTTTATAATATTTGGCACTA								45630
PolarBear	-----								14561
Cow	AGAAAGCT-----G-----AGCAC-----AGAAGAATTGAATCTTTTGAAGCTG								42751
Dog	--AT-----								40427
BelugaWhale	GTATCATTATTT-AA-----AATTG-----AGACTTCCATAATATTTAGCACTA								39181
Donkey	ATAACTTTAGGTTGAATTACGAAGTATTTGTTCTTGTTATTCAAACAAACGAATGAACAAGAACACAAAATGTCAGAATT								43545
Cat	ATAGAGTTGTACAGT-----GT-----T-----TGCAATGTAGTTAATTTGCAGGGAAT								46119
Ferret	CAAAAGCTTTTTAGCTTGATGAAGTCCCAATAGTTCATTTTGTCTTGCTTTCCTTGCCTTTGACTATGTGTCTAGGAAGA								43013
Lion	ATAGAGTTGTACAGT-----GT-----T-----TGGCATGTAGTTAATTTGCAGGGAAT								43770
Vaquita	GTATCATT---T-AA-----AATTG-----AGACTTCTATAATATTTAGCACTA								39847
Pig	GTACCACT-----G-----TTTA-----AGACTTTCGTGATATTTAAGACTA								35986

Majority	AAATAT-----XGA-----								
	54490	54500	54510	54520	54530	54540	54550	54560	
Human	AGATAT-----GAA-----								45639
PolarBear	-----								14561
Cow	TGGTGTT-----GGAGAAG-----								42765
Dog	-----								40427
BelugaWhale	AAATAT-----GA-----								39189
Donkey	CTCTATAGACTGCTTAGCCAAGAAGAGTCCTTGGTCTTACATAAGAAGAA-----T-----								43596
Cat	GTTAAATGT---TGATGTAGAAGAAAAG-----								46144
Ferret	AATTGCTATGGCTGAGGTTGAAGAGGTTGCTGCCTGTGTTCTTCTGAAGAATTTTGATGGATTCTGTGTACATTTAGG								43093
Lion	GTTAAATAT---TGATGTAAAAGAAAAG-----								43795
Vaquita	AAATAA-----GA-----								39855
Pig	AAATAT-----GA-----								35994

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Majority	54570	54580	54590	54600	54610	54620	54630	54640	
Human									45639
PolarBear									14561
Cow		A-							42766
Dog									40427
BelugaWhale									39189
Donkey			ATGCATTTGTATGCCGATTATGTGTTTTAAGGTATATATGTATTTTTTTTATTCCTGCTTAA						43658
Cat		TA-					GC-		46148
Ferret	TCTTTCATCCATTTTTAAATCTATTTTTGTGTGTGGTGTATGGAAGTGGTCCATTTTCATTCTTCTGCATGTGGTTTTCC								43173
Lion		TA-					GC-		43799
Vaquita									39855
Pig									35994

Majority	54650	54660	54670	54680	54690	54700	54710	54720	
Human			TACTTAGTAGT CACCT-						45655
PolarBear			TTGAAAAG-						14569
Cow			CTCTTTAAGAGTCCCTTGG-					A-	42786
Dog			CTAAAGAGAAAAGTCTT-	T-					40443
BelugaWhale			ATATTTAATAGCCACCCT-						39207
Donkey	CTTACATTTTCTTTCTTTTTTAAAAAGATTTTATTTTTCTTTTTCTCCCAAAGCCCCCGGGTACATAGTTGTGTCT-								43737
Cat			TTCAAAAATAAGGTTATTTATTTTCTTTGACTTTTCA-					AAACGATTCCAC-	46198
Ferret	AATTTTCCCAACACCATTTGTTGAAAAGATTGTCTTTTTTCCACTGGACATTCTTTCCTGCTTTGTCAAAGATTAGTTGA								43253
Lion			TTCAAAAATAAGGTTATTTATTTTCTTTGACTTTTCA-					AAATGATTCTAC-	43849
Vaquita			ATATTTAATAGCCACCCT-						39873
Pig			ATATTTGGTAGCCACCCT-						36011

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Majority	----- TTTXGAAGCTATT- AACTG- ----- T-----								
	54730	54740	54750	54760	54770	54780	54790	54800	
Human	----- CATGGAAGCTATT- AACTGAG-----								45675
PolarBear	-----								14569
Cow	----- CTGCAAGGAGATCCAACCAAGTCCAT----- CCTG-----								42815
Dog	----- CACTCA-----								40449
BelugaWhale	----- TTCTGAAGCTATT- AACGG-----								39225
Donkey	----- TTTTAGTTGTGGGTCTTCTAGTTGTGGCATGTGTGATGCAGCCTCAGCATGGCTTGA								43795
Cat	----- CTTTCCATATTATTTAACTG----- TTTT-----								46222
Ferret	CCATAGAGTTGAGTGTCCATTTCTGGGCTCTCTGTTCTGTTCCATTGATCTGTGTCTCTGTTTTTATGCCAGTACCATGC								43333
Lion	----- CTTTCCATATTATTTAACTG----- TTTT-----								43873
Vaquita	----- TTCTGAAGCTATT- AATGG-----								39891
Pig	----- TTTTGAAGCTGTT- AACTA----- CCTG-----								36033

Majority	----- A- X- ----- GAGTATCAXGTTGXCTAAAGAX-----								
	54810	54820	54830	54840	54850	54860	54870	54880	
Human	----- G----- GAGTGT CAGGTAGTGTAAATGT-----								45698
PolarBear	-----								14569
Cow	----- AAGGAAATCAGT CCTGAATATTCATTGGAAGGACTG-----								42851
Dog	----- GCCG-----								40453
BelugaWhale	----- AGAG----- GAGTATCAAGTAGTGTAAAGACA-----								39252
Donkey	TAAGCAGTGCCATGTCCGGGCCAGGATTTGAACTGACAAAATCCTGGGTGGCGGAAGCAGA-----								43857
Cat	----- A----- CTAACGTT CACAATTCACACTGCCAGGAAT----- T-----								46255
Ferret	TGTCTGATGATTACAGCTTTGTAATAGAGCTTGAAGTCAGGCATTGTGATGCCTGCAGCTTTGGTTTTCTTTTT CAGCCT								43413
Lion	----- A----- TTAACGTT CACAATTCACACTGCCAGGAAT----- T-----								43906
Vaquita	----- AGAG----- GAGTATCAAGTAGTGTAAAGACA-----								39918
Pig	----- AGAG----- GTGTATCAGGTGGTGTAAAGA-----								36058

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Majority	----- XXGTAAAAGTTG----- X- TT-- AXTTTCTTGGCTTTTGXTTGAAAAGAACAGATXXTCT							
	54890	54900	54910	54920	54930	54940	54950	54960
Human	----- TGATAGTTTACT----- ACAGTAACTGGCTTGGTCTTTGGGAGAAGAGGACAGATCTTTT							
PolarBear	-----							
Cow	----- ATGTTAAGGCTGA----- AACTCTAATACTTTGGCCACATGACGGGAAGAAGACTGACTCATT							
Dog	-----							
BelugaWhale	----- GTGTAAATGTTG----- TT-- AGTTACATGGCATTTTGGGAGAAAAGAACAGATCTTCT							
Donkey	----- GCGCGCGAACTTAACCACTCAGCCATGGGGCTGGACTTCTTAACCTTAGATTTTCAATTAACAGACCCAGT							
Cat	----- ACCCAACACAAATCCA----- GAACAATAAACTATCCTATTTTCTTTATAATGGGAAAATGCAGG							
Ferret	TTCTGTGCCACGCAGGGGTTTTCTGTTTCCATACAAATTTTAGGATTATTTGTTCCATTTTGTAAAAAAAATGTTCA							
Lion	----- ACCCAACACAAATCCA----- GAACAATAAACTATCCTATTTTCTTTATAATGGGAAAATGCAAG							
Vaquita	----- GTGTAAATGTTG----- TT-- AGTTACATGGCATTTTGGGAGAAAAGAACAGATGTTCT							
Pig	----- GTGTAAATGTTG----- TT-- AGTTACATGGAGTTGGAGCGAAAAGGACATATCTTCT							

Majority	CTA-- - GGCCTTXATAXX-- TTACATAAAGTTTGTATTT-----							
	54970	54980	54990	55000	55010	55020	55030	55040
Human	TTAGGCAACCTGTATG- - - - TAATGTAATGTTTGTTTTT-----							
PolarBear	-----							
Cow	GGAAAAGACCCTGATGC- - - TGCAAAAGAGTGAAGGCAGGAC-----							
Dog	CCATT- TGCTTTGACACGGAT-----							
BelugaWhale	CTA- - - GGCCATTATATA- - TTACCTGAAGTTTGTCTTTAT-----							
Donkey	GATGATTTTGTTAGATAAGATGCCACAAAATAGAAAATTCAGTCTTTCTTCTTTCTGATA- - - - AGTTCAGATGC							
Cat	CTGTAAACCTTT- - TGAGGATCATATTCTAAAAATAATTT----- A-----							
Ferret	TCACAGTACTTTGGTAGGGATTGCATTAATGTGTAGATTGTTCTTGGTAGCATGGACATTTTACAATATTTGTTCTTC							
Lion	CTGTAAACCTTT- - TGAGGATCATATTCTAAAAATAACTT----- A-----							
Vaquita	CTA- - - GGCCATTATATA- - TTACCTGAAGTTTGTCTTTAT-----							
Pig	CTA- - - GGCCTTCATATA- - TTGCACAAAGTTTGTCTT-----							

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Majority	55210	55220	55230	55240	55250	55260	55270	55280
Human								45788
PolarBear								14569
Cow								G 42947
Dog	GG-							40495
BelugaWhale								39339
Donkey	ATGGAAATATATT	CAGAACCAGAGCTT	ACTACTCTTTT	GTACAAAGCCAACCTA	AAGGGGATTTT	TAAAGTGCATCAGCTGG		44186
Cat								46354
Ferret	TCTTCTGTCTTGTT	GGTTTATAGAAATGCAACT	GCTTTCTGTGCATTGAATTT	TATATCCTGCCATTTT	TATTGAATTCTTG			43813
Lion								44005
Vaquita								40005
Pig								36142

Majority	55290	55300	55310	55320	55330	55340	55350	55360
Human								45832
PolarBear								14569
Cow	AG-		AAGGGGATGACAGAGGATGAGATGGTTGGATGGCATCAC-	CAA-	GTCAATGGAC-			43001
Dog		AAGTGGA-		G-			G-	40504
BelugaWhale			AAGGGTCCTCCTGTAGT-	AGTGGGTTGAGACTACA-			GACTATGGA-	39382
Donkey	CCATTCATGTATGTAAACTTGGGTGAAACTCTTAGAGTAAAACATGACTTAAGTATAACTTGACAAGTAAATTATCAAGT							44266
Cat	A-		AAAGGGAAGCCTTTATGTATGCAGTAATA-				GATAG- TA-	46391
Ferret	TATGAGTCCTAGCAGGTTTGAAGTGGAGAATTTTGGGTTTCCACATAAAATGTCATATATCATCTGCAAAGAATGTGAA							43893
Lion	A-		AAAGGGAAGCCTTTATGTATGCAATAATA-				GATAG- TA-	44042
Vaquita			AAGGGTCCTCCTGTAGT-	AGTGGGTTGAGACTACA-			GACTATGGA-	40048
Pig			TAGGGACCTCTAATAGTGTAGTGAGTTGAGAGCAT-			G-	GACTATGGA-	36187

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Majority	----- TXATAXT								
	55370	55380	55390	55400	55410	55420	55430	55440	
Human	----- ATCATGCT								45840
PolarBear	-----								14569
Cow	----- ATGAGTTT								43009
Dog	----- GTATT								40509
BelugaWhale	----- GTCATACT								39390
Donkey	GAGTTCACATATTATCTTCTAGAGATACCTTCTCTGATTCATCCAATAAAGTCACTATCACACCACTCTCTTCTAGTCTT								44346
Cat	----- T----- C- TT----- TATT								46399
Ferret	TTTCATGACTTCTTTGCTGATTTGGATGCTTTTTATTTCTTTTTGTTGTCTTGATTACTGAGGCTAGGACTTCTAGTACT								43973
Lion	----- T----- C- TT----- TATT								44050
Vaquita	----- GTCATACT								40056
Pig	----- GTCACACT								36195

Majority	CTG- TGAGTTTTXAXTX- TT- TXX----- GCCATT								
	55450	55460	55470	55480	55490	55500	55510	55520	
Human	CC- CTGAGTTTAAATCCTTTCTCT----- GCTACT								45868
PolarBear	-----								14569
Cow	GAG- TGAATTTTATTGACTATGCCAA----- G----- GCCTTT								43041
Dog	ATGCTGAGT-----								40518
BelugaWhale	CC- - TGAGTTTTAATCCTTTTCT----- GCCATT								39418
Donkey	CTGCTAAGTCACCTTTAATCACATCACTNAAAATCATAGATCTGTAACCCAGAG----- AGACCC								44406
Cat	GTGATGTAC----- TT								46410
Ferret	ATGTTGAATAGCAATGGTGATAGAGGACATCCCTGCCATCTTCTGACCTTAGGGGAAAAGCTCTTGGTTTTTCTCCATT								44053
Lion	GTGATGTAC----- TT								44061
Vaquita	CC- - TGAGTTTTAATCCTTTTCT----- GCCATT								40084
Pig	CCC- TGAGTTTTAATCCTTTTCT----- GCCACT								36224

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Majority	TTCTGTCTTTACCTCTTTXTXAX-	
		55530 55540 55550 55560 55570 55580 55590 55600
Human	TCCTGTCTATACCACTTAGTAACTAT-	45894
PolarBear	-----	14569
Cow	GACTGTGTGGATCACAAATAAAGTGA-	43067
Dog	-----	40518
BelugaWhale	TTCTGTCTTTACCCCTTAGTAACTCT-	39444
Donkey	AGTCTTCCTTACTTCTCTGAGAGGGTGATAAATGGCCTAGATGTTTTATAAGCTGAGGAC-C-	44467
Cat	TTTTTTTGCCTTTTTTTT-	46427
Ferret	TTTTTTTTTAATTTTTTTTTTAAAGATTTTTATTATTTATTTATTTGACAGAGAGAGATCACAAGTAGGCAGAGAGGCAG	44133
Lion	TTTTTTTGCCTTTTTTTT-	44079
Vaquita	TTCTGTCTTCACCCCTTAGTAACTCT-	40110
Pig	TCCTGTCTTTACCACTTTATCTC-	36247

Majority	-----	
		55610 55620 55630 55640 55650 55660 55670 55680
Human	-----	45894
PolarBear	-----	14569
Cow	-----A-	43068
Dog	-----	40518
BelugaWhale	-----G-	39445
Donkey	-----A-	44468
Cat	-----	46427
Ferret	GAAGAGAAAGAGGAGGAAGCAGGCTCCCTGCCGAGCAGAGAGCCCGATGCGGGACTCGATCCCAGGACCCTGAGATCATG	44213
Lion	-----	44079
Vaquita	-----G-	40111
Pig	-----	36247

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Majority	55690	55700	55710	55720	55730	55740	55750	55760
Human								45894
PolarBear								14569
Cow								43068
Dog								40518
BelugaWhale								39445
Donkey		C-						44469
Cat								46427
Ferret	ACCTGAGCCGAAGGCAGCGGCTTAACCCACTGAGCCACCCAGGCGCCCGGTTTTTCTCCATTTATAATGATATTCTCATT							44293
Lion								44079
Vaquita								40111
Pig								36247

Majority	55770	55780	55790	55800	55810	55820	55830	55840
							XCTTTAGXA	
Human			C-	TA-			ATCTTGGG	45905
PolarBear								14569
Cow							AATTCTGAA	43077
Dog							GAA	40521
BelugaWhale							ACCTTGGGC	39454
Donkey	ATGTTTTCTTATGCCTTTTTTCTTTTCCAGGCCTGGGGTGTTTTTATATATGAAATTAGGCTTAGTTGTGTGATTAAAGA							44549
Cat							CCCCAGAA	46435
Ferret	ATATGGGTTTTTCTTAGATGGCTTTTATGATATTGAGGTATGTTCCCTCTAACCCCTACACTGTGGAGTTTTAATCAAGAA							44373
Lion							CCCCAGAA	44087
Vaquita							ACCTTGGGC	40120
Pig							ACTTTTGGC	36256

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Majority	AG- - - - - TTXAAXTAXC- - - - - TCTXATCTA- - - - TAAATGXA- - -								
	55850	55860	55870	55880	55890	55900	55910	55920	
Human	CA- - - - - TTTAACTAAT- - - - - TGTTACCTG- - - - TAAATGGG- - -								45934
PolarBear	- - - - -								14569
Cow	AGAG- - - - - A- - - - - TGGGAATACCAGA- CCATCTGACCTGCCTCTTGAGAAACC-								43121
Dog	AGAA- - - - -								40525
BelugaWhale	AG- - - - - CTTAAGTACC- - - - - TCTCATTTA- - - - TAAATGGG- - -								39483
Donkey	AATCATTTTCCAGTTTTGCATTCTCATAATGTCGTTATTTTAAATGAAGATTTTTCATCATATTTAGCTATATGTGAATAT								44629
Cat	AGAA- - - - - AAGGACAGACTAAATTAGGAAAACTG								46466
Ferret	AGGATGCTATACTTTGTCAAATACTTTTTCTGTATCAATTGAGAGTATCTCATGTTTCTTGTTCTTTTATTAATATATTG								44453
Lion	AGAA- - - - - AAGGACAGACTAAATTAGGAAAACTG								44118
Vaquita	AG- - - - - CTTAAGTACC- - - - - TCTCATTTA- - - - TAAATGGG- - -								40149
Pig	AG- - - - - TTTAAGTACC- - - - - TCTCATCCA- - - - TAAAGGGA- - -								36285

Majority	- - ATTXATXGGTXAX- AT- - - - - AGCAXTC- - - - - TAAGAXTTGTA AATTGCATXGCAXATAGG								
	55930	55940	55950	55960	55970	55980	55990	56000	
Human	- - GTTGATAGGTCATAATG- - - - - ATAGCAATC- - - - - TGAGAGTTGTA AATTGCCCGGCATGTAGT								45989
PolarBear	- - - - -								14569
Cow	- TATATGAAGGTCAGGA- - - - - AGCAACAG- - - - - TTAGA AACTGGACATGGAACAACAGACTGA								43174
Dog	- - - - - GT- - - - -								40527
BelugaWhale	- - ATTGATGGGTTATAAT- - - - - AGCACTCT- - - - - TAAGAGTTGTA AAGTGCCTGGCATGTAGG								39536
Donkey	TTAGTAGCCACCCTCTCTGAAGCTCTT- AACTGAGGGAGTATCAGAGTGTGAAGAGAGTGTAAATTTTGGTACTTACATG								44708
Cat	AAATTTACTGAT- - - - - ACCA- - - - - TAACCTATAACTCCCGGGGCTCTAGATTGGATTATGAAGTATTCGTTCT								46531
Ferret	TATCATGTTGGTTGATATGTGCATGTTGAACCAACCTAGCAGTCCAGGAATAAATCCCACTTGGTTGTATTGAACAAACC								44533
Lion	AAATTTACTGAT- - - - - ACCA- - - - - TAACCTATAACTCCTGGGGCTCTAGATTGGATTATGAAGTATTCATTCT								44183
Vaquita	- - ATTGATGGGTTATAAT- - - - - AG- - TCT- - - - - TAAGAGTTGTA AAGTGCCTGGCATGTAGG								40199
Pig	- - ATAGTTGGGTCATGAT- - - - - AGCAATC- - - - - TTAGAGGTGTA AATTGCTTGGGACATAGG								36337

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Majority	TTTCTTTCAGTGAATGGXAXATATCAA-----CG								
	56010	56020	56030	56040	56050	56060	56070	56080	
Human	TAATTAGCAGTGAATATTAATATTGA-----TG								46018
PolarBear	-----								14569
Cow	TTCCAAATAGGAAAAGGAATACATCAAGG-----CTG								43206
Dog	-----CAGTCGGAGAA-----								40538
BelugaWhale	TTACTTTCAGTGAATGTTAAATATCAA-----CG								39565
Donkey	-GTCTTTGAGAGGAAAGGACATGTCTTTGA-----CA								44739
Cat	TGTTATTCCAACAAATGAACAAATGAGAACACAA-----TCA								46568
Ferret	TTTTAATGTAAGTGGATCCTATTGGCTAGTATTTTGCTGAGAATTTTACATGCATGTTCCATCCGGGATATCGGTCTG								44613
Lion	TGTTATTCCAACAAATGAACAAATGAGAACACAAACTG-----TCA								44224
Vaquita	TTACTTTCAGTGAATGTTAAATATCAA-----CA								40228
Pig	TTTCTTTCAGTGAATGTTAAATATCA-----TTG								36366

Majority	XGAAA- -GTAAAXTATCTTCTTTXCTATA-----XTA-----								
	56090	56100	56110	56120	56130	56140	56150	56160	
Human	CAAAA- -TAAAATTACATCTTTTCTATA-----TT-----								46046
PolarBear	-----								14569
Cow	TATATT- GTCACCCCTGCTTATAACTTATATGCAGA-----GTA-----								43243
Dog	-----G- GA-----								40541
BelugaWhale	CAAAA- -GAAAAGTACCTTCTTTTCTACA-----								39592
Donkey	GGAAAGTGTATAATATGAATTTTGTGGGATTCTCCTATAGTAAA-----T								44787
Cat	GGATTCTGTAAGTCCGTTTGTGGGATTCTCCTATAGTAAA-----GTA-----								46608
Ferret	TGCTTCTTTTGTAGGGTCTTTGTGGGATTCTCCTATAGTAAA-----GTA-----								44693
Lion	GGATTCTGTAAGTCCGTTTGTGGGATTCTCCTATAGTAAA-----GTA-----								44264
Vaquita	CAAAA- -GAAAAGTACCTTCTTTTCTACA-----								40255
Pig	TGAAA- -GAAAAGTATCTTCTTTTCCATA-----A-----ATC-----								36398

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Majority	----- CXT- - - AXXAG- ATXTATTTXT- -----								
	56330	56340	56350	56360	56370	56380	56390	56400	
Human	----- TTTTCCAAGAAGTCAAGATCTTT- -----								46069
PolarBear	-----								14569
Cow	----- CATCATGAGAAACACTGGGCTGT- - A- -----								43267
Dog	-----								40541
BelugaWhale	----- - AGTTATTTAT- - C- -----								39603
Donkey	CCACTTAGTAACTGTCTGACCTTGCCAACCTTCACTAGCTGTCATCATAAATGGGATTGATGGGTCATGATAATAGCATCT								44936
Cat	----- CTTACATAAGAGTATATGTTTGT- - - - - A- - - - -								46634
Ferret	TTAGGTTTTCTGTTTCTGCCTAGTTCAGTTTTGGTAGTTTATATGTTTCTAGGAATGCATTCATTTCTTCCAGATTGTCT								44933
Lion	----- CTTACATAAGAGTATATGTTTGT- - - - - A- - - - -								44290
Vaquita	----- - AGTTATTTAT- - C- -----								40266
Pig	----- CAAAAAAAAAAAAAAAAAAAAA- - A- -----								36422

Majority	----- XTXXCAATAXTTG- X- TTAA- -----								
	56410	56420	56430	56440	56450	56460	56470	56480	
Human	----- GTCTTATCCTTTGATTCTCAGA- -----								46091
PolarBear	-----								14569
Cow	----- GGAAGCACAAGCTGGAATCAA- -----								43288
Dog	-----								40541
BelugaWhale	----- ATCTTCTTTAACTG- -----								39617
Donkey	TAGAGGTGTAAAGTAGTTAACTTCCAGAG- -----								44965
Cat	----- TGCCAATTATAAGTCTTAA- AG- ----- T- -----								46656
Ferret	AATTTGTTGGCAATAGTTGCTCATAATAAGTTCTTGTTATTGTTTGTATTTCTTTGGTGTGTTTGTGATTTCTTTGTGA								45013
Lion	----- TGCCAATTATAAGTCTTAA- AG- ----- T- -----								44312
Vaquita	----- ATCATCTTTAACT- -----								40279
Pig	----- AACACCAACAGGTG- ATTTAT- -----								36442

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Majority	-----									
	57130	57140	57150	57160	57170	57180	57190	57200		
Human	-----								46091	
PolarBear	-----								14569	
Cow	-----								43288	
Dog	-----								40542	
BelugaWhale	-----								39617	
Donkey	-----								44969	
Cat	-----								46656	
Ferret	T	GAATATATCTGTGAAGTCCATCTGGTCCAGTGTGT	CATTTAAAGCCTTTATTTCCCTTGTTGATGTTTTGCTTGGATGAT							45733
Lion	-----								44312	
Vaquita	-----								40279	
Pig	-----								36442	

Majority	-----								
	57210	57220	57230	57240	57250	57260	57270	57280	
Human	-----								46091
PolarBear	-----								14569
Cow		G-							43289
Dog	-----								40542
BelugaWhale	-----								39617
Donkey	T-	TAA-							44973
Cat	-----								46656
Ferret	CTGTCCATTT	CAGTGAGGGGGCTGTTAAAGTCCCCTACTATTACTGTGTTATTGTCTATGTGTTTCTTTGATTTGTTATT							45813
Lion	-----								44312
Vaquita	-----								40279
Pig		C-							36443

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Majority	57290	57300	57310	57320	57330	57340	57350	57360
Human								46091
PolarBear								14569
Cow								43289
Dog								40542
BelugaWhale								39617
Donkey								44973
Cat								46656
Ferret	AATTGGCTTATATAATTGGCTGCTCCCATATTGGCATTAAATATTTACAACCTGTAGAACTTCGTGTTGGATAAACCTTTT							45893
Lion								44312
Vaquita								40279
Pig								36443

Majority	57370	57380	57390	57400	57410	57420	57430	57440
Human								46091
PolarBear								14569
Cow			ATTGCC-					43295
Dog								40542
BelugaWhale								39617
Donkey			ATATCT-				AT-	44981
Cat			ATACAT-					46662
Ferret	TAAGTATGATATAGTGTCTTTCCTCATCTCTTATTATTATAGTCTTTGGCTTAACTAAAATCTAATTGAACTGATATAAG							45973
Lion			ATACAT-					44318
Vaquita								40279
Pig			TTCTTT-					36449

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Majority	----- T----- AXAACTXTCC- AATTCCTT								
	57770	57780	57790	57800	57810	57820	57830	57840	
Human	----- AGTTTCCTACGTTCTTTCTG								46111
PolarBear	----- T								14570
Cow	GG-	----- GAGAAATATC- - AATAACCTC						43316	
Dog	----- AA- CATT- TATGGTCTC								40559
BelugaWhale	T-	----- GAAAACTGTCCCATTACCTT						39639	
Donkey	AAAAGTAGCATCTTTTCTGTATTTCTCCAAAAACCAGTTGTCTTCTTTGACTGTTAAACTATCC-	TACCTTCCT							45064
Cat	AT-	----- ATCCTTA- AAT- TCCTT						46679	
Ferret	TCAATATTTCTTGTTAGGGCTGGTTGGTGATTACAAATCTTTAGTTTCTATTTGTCTGGAAGCTTTT-	TATATCTCT							46372
Lion	GT-	----- ATTCTTA- AAT- TCCTG						44335	
Vaquita	----- GAAAACTGTCCCATCTACCTT								40300
Pig	GT-	----- TAAAACTGTCCCACCTACCTT						36472	

Majority	TTTTATTCAGATXTT- - - X- T- XXCTTACCATCXACT- - - - - TCAAGAAATTATCCAACACAAAT								
	57850	57860	57870	57880	57890	57900	57910	57920	
Human	TGTTATTCAGCTATTTTACTTCTGCTTAATATCCACTA-	----- TCCAGAAAACATCCAACACAAAT						46172	
PolarBear	CCTTATTT-	-----							14578
Cow	AGATATGCAGATGACACCACC- GCTATGGCAGAAAGT-	G-	----- AAGAGGAACTATAAAAAGCCTCT					43376	
Dog	ATTCATTT-	GGG-	----- AATATA- - -					40577	
BelugaWhale	TTTTACTCAGTTGTT-	T-	TACTCACCATCCACT-	G-	----- TCAAGAAATCATCCAACACAAAT				39694
Donkey	TGTTATTCAGCTTTTTTACTT-	CTGCTTTTACCACCCACT-	----- G- TCCAGAAATTATCTAACACAAAT					45127	
Cat	CTTTACTTACATTTTCGGCTA-	ACAGACCCAG-	----- TCATGATTTTGTTC AATAAAATG					46733	
Ferret	CTTTATTTTTCAGTGACAGCCT-	AGCTGGGTATAGTATTCTTGGCTGCATATTTTCTTGTTCAGTACCCTGAATATATCA	-----						46451
Lion	CTTTACTTACATTTTCGGCTA-	ACAGACCCAG-	----- TCATGATTTTGTTC AATAAAATG					44389	
Vaquita	TTTTACTCAGTTGTT-	T-	TAATCACCATCCACT-	G-	----- TCAAGAAATCATCCAACACAAAT				40355
Pig	TATTATTCAGTCGTC-	T-	GACTTACCATCCACT-	G-	----- TCCAGAAATTATCCAACACAAAT				36527

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Majority	----- AAXTAAAC----- TCTTTTATTCTTTTAATAXX-----								
	58410	58420	58430	58440	58450	58460	58470	58480	
Human	----- AAAATAAAT----- TATTTAATTTCTTAATAAT-----								46203
PolarBear	-----								14578
Cow	----- AAAGTGAGAGAGGAGA- GTGAAAAAGTTCTCAACATTA-----								43418
Dog	----- AAAAATAGTGAA-----								40589
BelugaWhale	----- ACAATAAAC----- TCTTGTATTCTTTTAATAAT-----								39728
Donkey	----- ACAATAAAC----- TATTCTATTCTCTTCATAAT-----								45161
Cat	----- AAAGAGAAAATTCAGCCTCTTTCTTCTTTCTAA-----								46771
Ferret	AACCTTTTTGATTTCAACTGTTAGATTTTATTTCTCCAGAAAGGGATTCTCTAGTTTCTTCTATGCTTTTTTCAAGCCCA								47011
Lion	----- AAAGAGAAAATTCAGCCTCTTTCTTCTTTCTA-----								44426
Vaquita	----- ACAATAAAC----- TCTTGTATTCTTTTAATAAT-----								40389
Pig	----- ACAGTAAAC----- TCTTATATGCTCTTAATA-----								36559

Majority	----- AGGTTTAGGCA----- GGTTTTXGCCTTTTGGGAAT								
	58490	58500	58510	58520	58530	58540	58550	58560	
Human	----- AGGTTTAGGCA----- GGCTTTTGCCTTTTGGGAAT								46234
PolarBear	-----								14578
Cow	--- AGAAA----- ACGAAGATCATGGCATC----- TGGTCCCATCACTTCGTGGGA								43461
Dog	-----								40589
BelugaWhale	----- AGGTTTAGGCA----- GGTTTTTGCCTTTTGGGAAT								39759
Donkey	----- AGGTTTAGGGA----- GA- CTTTACCTTTTGGAAAT								45191
Cat	----- TATATTCAGGTGCTTGTGCAT								46792
Ferret	GATAGTATCTTTATAATCATCATTCTGAACTCTAGTTCCAACATCTTACTAAGTCCATGTTGATTAGGTCCCTAGCAGTT								47091
Lion	----- TATATTCAGATGCTTGTGCGT								44447
Vaquita	----- AGGTTTAGGCA----- GGTTTTTGCCTTTTGGGAAT								40420
Pig	----- GGTTTTAGGCA----- GATTTTAGCCTTTTGGGAAT								36590

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Majority	GTTAXXCA- ATATAT- - XT- A- - - - -								
	58890	58900	58910	58920	58930	58940	58950	58960	
Human	GTTATTCAAACAAACTAATGA- - - - -								46471
PolarBear	- - - - -								14578
Cow	AGTAGTCACGTATGTATGTTAGAGTTGG- - - - -								43690
Dog	- - - - -								40671
BelugaWhale	GTTGGACTGAATTATTTGTTCTTGTTA- - - - -								39956
Donkey	GTTATTCAAACAAACGAATGAACAAGAACACA- - - - A- - - - -								45431
Cat	- - - - - ATATA- - - - -								46978
Ferret	TATATGCACACACATAGATAAACAAAAATAAGGGTAAATACAATGAAGGGATGGAATATGACTATAAAAATGAAAAGTAG								47489
Lion	- - - - - ATATA- - - - -								44633
Vaquita	GTTGGACTGAATTATTTGTTCTTGTTA- - - - -								40617
Pig	GTTATTTAAATAAATGAATGAAA- - - - -								36758

Majority	- - - - - AAAXAAATGAATGATC- - - - AAGAATTAGGACT								
	58970	58980	58990	59000	59010	59020	59030	59040	
Human	- - - - - ACAAGAACAATTATC- - - - AAGTTTCTGTACT								46500
PolarBear	- - - - -								14578
Cow	- - - - - A- - - - CTGTGAAGAAAGCTGAATGCTG- - - - AAGAATTGATGCT								43726
Dog	- - - - - A- - - - - ATGAACTAGGGGT								40685
BelugaWhale	- - - - - TTCAAACAAATGAATGAAC- - - - AAGAGCACAGTCT								39988
Donkey	- - - AATGTC- - - - - AGAATTCTCTATAGACTGCTTAGCCAAGAAGAGTCCTTGGTCTTACATAAGAAGAATATGCATT								45501
Cat	- - - - - AACTTCAGTAAAGCTCTTAGCATAAAATAGGACT								47012
Ferret	AAAAGATTTTAAAAAAGAATTGGTAAGATAAAAAGTTAGTTGAAAAAAGAAAGGAAAAATTTAATAATAAAAAAGAGAA								47569
Lion	- - - - - AACTTCAGTAAAGCTCTTAGCATAAAATATGACT								44667
Vaquita	- - - - - TTAAACAAATGAATGAAC- - - - AAGAGCACAGTCT								40649
Pig	- - - - - AAGAACACAAACTGTT- - - - - AGATTTTATACT								36787

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Majority	TX- AGATTGCTTTGXTAAGXAAAGG- - TTXGXA- - - - -								
	59050	59060	59070	59080	59090	59100	59110	59120	
Human	C- - AGACTGCTTTGTCAAAAAAAGGTCTTAGTCCT- - - - -								46533
PolarBear	- - - - -								14578
Cow	TTTGAAGTGGGGTGTGGAGAAGACTCTTGAGAGT- - - - -								43761
Dog	GG- TGAAGGGGAGGTGGGCGG- - - - - G- - - - -								40708
BelugaWhale	ATCAGATTGCTTTGCTAAGAAAAGGCGTTAGAAG- - - - -								40022
Donkey	TGTATGCCGATTATGTGTTTTAAGGTATATATGATTTTTTTTATTCCCTGCTTAACTTACATTTTCT- - - - - TTCTTTTT								45576
Cat	TA- AATTTAACTTAATAAGTTAA- - - - -								47034
Ferret	TG- TGATCAGACAGGTGAATAGAACAAAGCCAACAGGTGAATAGAACAAAGCCATACACTAGACTTAGAGTATATTTTGG								47648
Lion	TA- AATTTAACTTAATAAGTTAA- - - - -								44689
Vaquita	ATCAGATTGCTTTGCTAAGAAAAGGCGTTAGAAG- - - - -								40683
Pig	C- - AGTTACTCTGCCAAGAAAAGGCCTTAGAAA- - - - -								36819

Majority	- - - - - X- - - - -								
	59130	59140	59150	59160	59170	59180	59190	59200	
Human	- - - - - GT- - A- - - - - T- - - - -								46537
PolarBear	- - - - -								14578
Cow	- - - - - C- - - - - C- CTT- - - - - GGA- - - - -								43769
Dog	- - - - - G- - - - -								40709
BelugaWhale	- - - - - AA- - - - -								40024
Donkey	TTAAAAAGATTTTATTTTTCTTTTTCTCCCAAAGCCCCCGGTACATAGTTGTGTCTTTTTAGTTGTGGTCCTTCTA								45656
Cat	- - - - -								47034
Ferret	TCTCTTAGAAGAACTGTATCCCAAATTTTAAAGAAAGAAGAACTTACATAAAAGTCCTACTAAAGACACAATAGAATA								47728
Lion	- - - - -								44689
Vaquita	- - - - - AA- - - - -								40685
Pig	- - - - - A- - - - -								36820

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Majority	----- X- ----- AXGTGGATGTXTGT CXGTTATAT								
	59210	59220	59230	59240	59250	59260	59270	59280	
Human	CA-		GAATAATATGTGTTCTTGTGACTGATGCCGATTGTTGTGTGTGCCCATATATGT						46594
PolarBear									14578
Cow					CT-	GCAAGGAGATCAGTCCTGGGTGTTCT			43796
Dog						GTGGGGGTGACTGGGTGACGG			40730
BelugaWhale						TATGCATTTGTATGTCAGTTATAT			40048
Donkey	GTTGTGGCATGTGTGATGCAGCCTCAGCATGGCTTGATAAGCAGTGCCATGTCCGGGCCAGGATTTGAACTGACAAAAT								45736
Cat					TT-	ATCGAGTGAGTTCACATATTA			47057
Ferret	GGTGATGTTTTATGTAAAACCATTTGAAGACCTTGCAGTCTATCCACTATTCCTTATTAGTGGTTCCAAATGGTCTATGG								47808
Lion					TT-	ATCAAGTGAGTTCACATATTA			44712
Vaquita						TATGCATTTGTATGTCAGTTATAT			40709
Pig						ATAGGCATCTGTGTGTGACTTAT			36843

Majority	GTTTTAAGGTAT----- ATXTTAATXTGTTGATTCACT----- XTX- - -XA- CT- TGXATTA								
	59290	59300	59310	59320	59330	59340	59350	59360	
Human	GTTTTAAAGTAT-			ATGTGTATTTTTTGATTCTGTG-		CTT-	TAGCT-	TACATTT	46644
PolarBear									14578
Cow	TTTGAAGGAATG-			ATGCTAAAGCTGAAACTCCAGTA-		CTTTGGCCACCT-	CGTGTGA		43851
Dog	GCACTGAGGGGT-		G-	CACTTGACAGGATGAGC-		A-	CT-		40763
BelugaWhale	GTTTTAAGGTAT-			ATG- TGTATTTTTTGATTCCCT-				GCAGTA	40087
Donkey	CCTGGGTGGCGGAAGC-		AGAGCGCGGAACTTAACC-	ACTCAGCCATGGGGCTGGACTTCTTAACT-		TAGATTT			45807
Cat	TTTCCTAGAGATA-		TTCTTTAATCATCCAATAAAGTCACTAACACACCACCTTCTTCTAGTTCTCTG-						47123
Ferret	ACTAAAAGATGTTTCTGAAACTAAAACAAAGGATACTTAATAAGCTGAGAAATATACATGTACACTCCACTTGTGTATAA								47888
Lion	TTTCCTAGAGATAACC-		TTCTTTAATCATCCAATAAAGTCACTATCACACCACCTTCTTCTGGTTCTCTG-						44780
Vaquita	GTTTTAAGGTAT-			ATG- TGTATTTTTTGATTCCCT-				GCAGTA	40748
Pig	GTTTTAAGGTAT-			ATGTTTTATTTGTTGATTCTTC-		CTTTAAACAAAT-		TACATTA	36897

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Majority	AXAAXT- TXX- T- - - - -	
	59530 59540 59550 59560 59570 59580 59590 59600	
Human	ACAAATCTTTGTCAGTAGTGAAAGGACATGTGATAGCTTCCTGTAGTTTTTTCATATTTCTGGAGTGGTGAAGAG- - - -	46817
PolarBear	- - - - -	14578
Cow	ATGAATTTGAGTG- - - - -	43972
Dog	- - - - -	40816
BelugaWhale	AGATGTTTTCTT- - - - -	40184
Donkey	AAAAATCTTCCTTA- - - - -	45922
Cat	GAG- - - - -	47237
Ferret	GGGATAGAATATGATTTCCAGAAAGTGGCCGCTTTTCTGTTCATAATTGCTGCTTTTCTTTGATCTCCTGTTGAGTTCGT	48128
Lion	GAGA- - - - -	44895
Vaquita	AGATGTTTTCTT- - - - -	40856
Pig	ATAAATCTCCTT- - - - -	36997

Majority	- - - - - AXTTXXGGXAGXAXXTG- - - - TGGAGAGCTTXCTGTAGT- X- C-	
	59610 59620 59630 59640 59650 59660 59670 59680	
Human	- - - - CT- - - - - ACCCAGCCAAGATTTTCAGGGCAATATATTCAGAAGCCAGAGCTTACTCTTCTGTACA	46877
PolarBear	- - - - -	14578
Cow	- - - - - AACTCCAGGAGTTGTTGA- - - - TGGACAGGGAGGCCTGGCGTGC-	44012
Dog	- - - - -	40816
BelugaWhale	- - - - - ACTTATGAAAGGAAGTG- - - - TGGAG- GCTTTTTGTAGT- - - -	40218
Donkey	- - - - - GTTGTGCAAGAGGAGATG- - - - TGGAGAGCTTCCTGTAGTTTTT-	45962
Cat	- - - - - CATTGGGGATCTTACTGATCATTTTGTTCACTGCTGTATCCCCCA	47282
Ferret	AGGTGCTTAGAATGGTTTGATAACTCTCTAGCTAAATTCCCGGACCAGATGAAATCTAGGTCTCTAACTCTTCCACCCT	48208
Lion	- - - - - GCATTGGGGATCTTACTGATCATTTTGTTCATTGCTGTATCCCCCA	44941
Vaquita	- - - - - ACTTATGAAAGGAAGTG- - - - TGGAGAGCTTTTTGTAGT- - - -	40891
Pig	- - - - - CCTTAAAGAGGAGGTG- - - - TGGAGAGCTTTTTGTTAT- TTC-	37034

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Majority	----- TXCTATTTTTAGXXTCTTGAAGAGCXATXCAGCAAGATXTTCTGATAATATXTX- XAG- - - - AAA							
	59690	59700	59710	59720	59730	59740	59750	59760
Human	AAGACAACCTAAGGGGATTTTTAAATGCATTGGCTTGCCGTTCAAGTATATAAACCTAAGTGAAACTCCTAGA- - GTAAA	46955						
PolarBear	----- CCTCATTTTCATGTTCTTATAT- CTCATCTAAAATGAAAACCTTTCATAATATTTAGCAC- - - TAAA	14639						
Cow	----- TGCGATTCATGGGGTCGCAAAGAGTCGGACACGACTGAGCGACTGA- ACTGAACT- GACT- - - GAA	44073						
Dog	----- AAAAAAGAAAACCTTTCATAA- - - TATTTAGCACTAAAA- - - TAAGAATATTTAGTAC- - - TAAA	40872						
BelugaWhale	----- TCTTATTTTTGGAATGATGAAGAGCTAACCAGCAAGATTTTTCTGGTAATATATT- CAG- - - - AAG	40279						
Donkey	----- TTGTATTTCTGGAGTGATGAAGAGCTAGTTAACAAGATTTTTCATGGAAATATATT- CAG- - - - AA	46022						
Cat	GAGCCTCAAACAGTGCTAAA- - CATGTTCTTG- A- - - CACTCAGTAACTGGTTTTTTTTGATACTCAGTAA- - - - AAA	47350						
Ferret	CTTGCTAGCCCTCCCCTCATTTTCATGTTCTTATATTCTGATCTGAAATGAAAATTTTTCATAATATTTA- CAC- - - TAAA	48283						
Lion	GAGCCTCAAACAGTGCTAAAAACATGTTCTTG- A- - - CACTCAGTAACTGGTTTTTTTTGATACTCAGTAACTCTTAAA	45016						
Vaquita	----- TCTTATTTTTGGAATGATGAAGAGCTAACCAGCAAGATTTTTCTGGTAATATATT- CAG- - - - AAA	40952						
Pig	----- TTTTATTTCTGGAGTGGTAAAGAGCTAACCAGTAAAGATTTTTCTGGTAATACATT- TAG- - - - AAG	37095						

Majority	XTATAACT- - - - - TACTACTCXCTTCTATACATAGTCAAC- - CXAAGGGAATTTTTXAATG- - - - - TATTG							
	59770	59780	59790	59800	59810	59820	59830	59840
Human	ATATGACT- - TAAGTATAGCTTGAGTCCATATATTATCACT- - TAGAGATACCTTCTCTGATCATCCAATAAAGTCATTA	47031						
PolarBear	ATATGAGTATTTAGTAGCCACCCCTTCTAAAACCTATTCACCCACCGAGGGAGTATCAG- - - - -	14697						
Cow	GTAGAACT- - - - - TACTAGT- - TTTATGTTGAAAGTCAAC- - CTACGCA- ATTTTTAAATG- - - - - CGTTG	44129						
Dog	ATAGGAAT- - - - AATAGCCACCCTTTCTAAAACCTATTAAGTACTGAGAGAGTATCAGTATGAGGAG- - - T- - - T- TTG	40940						
BelugaWhale	CCATAGCT- - - - - TACTACTCTCTTCTGTACAGAGTCAAC- - TTAAGGGAATTTTTAAATG- - - - - TATTG	40338						
Donkey	CCAGAGCT- - - - - TACTACT- - CTTTTGTACAAAGCCAAC- - CTAAGGGGATTTTTAAGTGCATCAGC- - TGGCCATTC	46090						
Cat	GAATCAGT- - - - - GTGTAAGTGAATTTTTAAAGCCACTTAGAGATCAAGTTGATCTTAGAATTT- - - - - TATAG	47413						
Ferret	ATATAAATTTTTATTAGCCACCCCTTCTAAAAATAGTCAACAACCGAGGGACTAACAGTATGAAGAGAATGTAGGTTTTG	48363						
Lion	GAATCAGT- - - - - GTGTAATGAATTTTTAAAGCCACTTAGAGATCAAATTGATCTTAGAATTT- - - - - TATAG	45079						
Vaquita	CCATAGCT- - - - - TACTACTGTCTTCTGTACAGAGTCAAC- - TTAAGGGAATTTTTAAATG- - - - - TATTG	41011						
Pig	CCAGAACA- - - - - TACGACT- - CATTTGTACAGAGTCAAC- - CCAAGGGGATTTTTAAATG- - - - - CATTG	37152						

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Majority	XXTCTCT- TCTATXCCXCTG- - - - CTAAGXCACTTTTAAXCACATTXCTGT- GCTTTACTTTCTXCATAGCAXTT- - - - -	
	60010 60020 60030 60040 60050 60060 60070 60080	
Human	G TTC A C T C T C T G T A C C C T C A G A A C G T A A A C A T T G C T A G A C A C A T C C C T G A A T A C C C A G T A A A T G T T T A A G G A A T T A A T G	47258
PolarBear	-----	14713
Cow	A C C C T C T - T C C A G T C C T C T G - - - - T T A T G T T A C T T T T A A T C T C A T T A C T G T - G C T T T A C T T T C T C C A T A G C A C T - - - - -	44313
Dog	G T T C A C T - C C T G T A C C C C T G G A G C C T C A A A T A G T G C C A A A C A C A T T C T T G A - T A C T C A G T A A C A A C A T C A T C A T C A T C A T	41158
BelugaWhale	A C C C T C T - T C C A G T C C T C T G - - - - C T A A G T C A C T T T T A A T C A C A T T A C T G T - G C T T T A C T T T C T C C A T A G C A C T T - - - - -	40520
Donkey	A C T C T C T - T C T A G T C T T C T G - - - - C T A A G T C A C C T T T A A T C A C A T C A C T C T - G C T T T A C T T T C T T C A T A G C T C T T - - - - -	46297
Cat	G T T T - C A - G A A A T A T C C C T T A G T C T T T A G A C A A T T A G G A A C - T A C T C T T G T - G G A A T A T T G G A T A G A T T G C A A G T C C T T C	47636
Ferret	G T T C A C T - G C T G T A C C C C C A G A G C C T C A A A C A G T G C C A A A C A C G T T C T T G A - T A C T A A T T A A C T T T T C T G T T T A T G T T T T	48598
Lion	G T T T - C A - G A A A T A T C C C T T A G T C T T T A G A C A A T T A G G A A C - T A C T C T T G T - G G A A T A T T G G A T A G A T T G C A A G T C C T T C	45303
Vaquita	A C C C T C T - T C C A G T C C T C T G - - - - C T A A G T C A C T T T T A A T C A C A T T A C T G T - G C T T T A C T T T C T C C A T A G C A C T T - - - - -	41205
Pig	A C C C T T T - T C T A A T C C T C T G - - - - C T A A G T C G C A T T T A A T C A C A T C A C T C T - T C T T T A C T T T C T T C A T G A C A G T T - - - - -	37323

Majority	AATCACTTTXA- - - - - GAAATXA- TCTGGTTCGTGTA CTGGTAGT- - CTXTCTCTCXCACTAGACTACG	
	60090 60100 60110 60120 60130 60140 60150 60160	
Human	A G T G A A T T A A T T T T G A A G A T A C G T T G G A G A C C A A G A T A A T C T G A C A G T C T T A T A G A T G T T G T T G A A C A T A C A C A A A C A C A	47338
PolarBear	-----	14713
Cow	- A C T A C T T C T A - - - - - G A A G T T A - T C T G G T T C A T G T A C T A G G T A G G - - C C A T C T G T C T C A G T A G A C A A C G	44374
Dog	C A T T A T T A T T A T T A T T A T T G A G A G A A A G A A T G T - G A G C A T G T G A G T A G T G G T G A G G G G C T G A A A G A G T G A C G G G A G A G A G	41237
BelugaWhale	A A T C A C T A T A A - - - - - G A A A T A A - T C T G G T T C G T G T A C T G G G T A G T - - C C A T C T C T C C C A C T A G A C T A C A	40582
Donkey	A A T C A C T G T A A - - - - - G A A A T T A - T C T G G T T C A T G T A C T G G T T A C T - - C T G C C T C T C C C G C T A G - - - - C C	46355
Cat	A A A C A G T T T T A C - - - - - A T A A A A T A T C A - C C A A T T T T G T G T T T T A G T A G G A C C T T T A T T T T T G G T G A G G C T T T G	47705
Ferret	A C T T A T T T T T A - - - - - G A G C A T - G C A C A C T C C A A T G G T G G G G A G T G G C A G A G G T A G A G G G A G A G A G A G G	48661
Lion	A A A C A G T T T T A C - - - - - A T A A A A T A T C A - C C A A T T T T G T G T C T T T A G T A G G A C T T T T C T T T T T G G T G A G G C T T T G	45372
Vaquita	A A T C T C T A T A A - - - - - G A A A T A A - T C T G G T T C G T G T A C T G G G T A G T - - C C A T C T C T C C C A C T A G A C T A C A	41267
Pig	A A T C A C T C T A A - - - - - G A A A T T A - C C T G G T T C A T G T C C T A G A T A G T - - C C A C C T C T C C C A C T A G A T T A C A	37385

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Majority	GGATAACAXCAGGXATCTTAXTGCTTGCCX- - GTTT- - - - - ACTGCTGTACCXT- - - - - CAGAATC								
	60170	60180	60190	60200	60210	60220	60230	60240	
Human	TTATA- - - - TAGTTTATAGGTTGTGTTGAATGTTTTAGGAAATACCATAAATTACCTAAAGTTTTATACAAAATGGAGTA								47414
PolarBear	-----								14713
Cow	AGAGAACATCAGGGCTCTTATTGCTTGCT- - GTC- - - - - ATTGATGTACTC- - - - - CAGAATC								44425
Dog	GATCTTAAGCAGGTTCCATGCCTCGTGTGGAGTTTAAACACAGGCCTGGATCTCACAATTCTGAAATCATGACCTGATATG								41317
BelugaWhale	GGACAGCATCAGGGATCTTACTGCTTACT- - GTTC- - - - - ACTGCTGTACCCT- - - - - CAGAACC								40635
Donkey	----- CAGA- - TCTTATTGATCTT- - - GTTC- - - - - ACTGCTGTACCCT- - - - - CAGAGCC								46396
Cat	GAATAAAGGCAGGTAACATAATTTGTTG- - - - GATAAAAATATATCAGTTTATTTTA- - - - - A- - - - AGGTC								47763
Ferret	ATCTTAGAGTAGGCTCCACACCCAGTGCAGAGCCTGACCTGGGGCAGGATCTTA- - - - - TGACCTGAGCTG								48727
Lion	GAATAAAGGCAGGTAACATAATTTGTTG- - - - GATAAAAATATATCAGTTTATTTTA- - - - - A- - - - AGGTC								45430
Vaquita	GGACAGCATCAGGGATCTTACTGCTTACT- - GTTC- - - - - ACTGCTGTACCCT- - - - - CAGAACC								41320
Pig	GGAGAGCATCCGGGATCTTACTGCTTACT- - GTTT- - - - - GCTGCTGCACCC- - - - - CAGAACG								37437

Majority	XAA- - - - - AACAGT- - GCCAGTCAAG- TTCTTGATX- - - - CTCA- - - - - X- A- - - - GTAA- TGXTTAAAGAATTA								
	60250	60260	60270	60280	60290	60300	60310	60320	
Human	TACATGTATATTTCTGAATGTGTCAAGATCCTTCATTTAGCTAAGTCTCAGAAATATCCTTGAGATCCTAAAAGACTAA								47494
PolarBear	-----								14713
Cow	TAA- - - - - AAG- - - - - GCCAGACATT- TTCTTGATA- - - - CTCAAG- - - - - A- AA- - - - GTAAGTCTTAAAGAGTTG								44478
Dog	AAAGAAATCAGGAGTGGGACACTTAAC- TAACTGAGCCA- - CCCAGGTGCCCTGGTACTC- GTAA- CTCTTACAGAATCA								41392
BelugaWhale	TAA- - - - - AGAAGT- - GCCAGACATA- TTCTTGATAA- - - - CTCA- - - - - GTAA- TGTTTAAAGAATTA								40686
Donkey	TAA- - - - - AACAGT- - GCCAGACACA- TTCTTGATT- - - - TTCA- - - - - GTGGCTGTTTAAAGAATCA								46447
Cat	AGA- A- - T- AACAGTAAGTTAATGAAG- TCCATGAGTTT- - T- - - - - ATATAGATGTTGA- TAGTGACAAAATAC								47825
Ferret	AAA- - - - TCAAGAGTCAGACACTTAAC- TGAAGTACTGAGCCT- - CTCAGGTACCTCAATACTCAGTAA- CTCGTAAGGAATCA								48799
Lion	AGA- A- - T- AACAGTAAGTTAATGAAG- TCCATGAGTGT- - TTTATAT- - - TACATAGATGTTGA- TAGTGACAAAATAC								45499
Vaquita	TAA- - - - - AGAAGT- - GCCAGACATA- TTCTTGATAA- - - CTCA- - - - - GTAA- TGTTTAAAGAATTA								41371
Pig	AAA- - - - - AACAGT- - GCCGCTCATG- TTCTTGATA- - - - CTCA- - - - - GTAAGTCTTAAAGAATTA								37488

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Majority	AGTACCXAAAATTATAT - - AAAA- TGGAGTATACATGTATATTTCTCA- CTGTTTAAGGATTCTTCATTTTAGTTAG- - T								
	60490	60500	60510	60520	60530	60540	60550	60560	
Human	TTTACTTTAAATCTCACG- GTAACAGAATAAGGTAATTAAGTTCATGAGTGATTTAGAGTATATTGATGTTAAT- AG- - T								47726
PolarBear	-----								14713
Cow	AGTACC AAAATTTGTATACAAA AATGGAGTATACATGTATATTTCTCT- GTGTGTAAGAGTTTTTCATTTTAAT- AGATT								44643
Dog	AGTATCTAAAGTTACAT- - AGTAGTGGTGTATACATGTATATTTTCAACTTATCAAGTATCCTTCATTTTAGTTAG- - T								41622
BelugaWhale	AGTACC AAAAATCATAT- CAAAA- TGGAGTATACATGCATATTTCTCA- CTGTGTAAGGATTCTTCAGGTTAGTTAGATT								40855
Donkey	AGTACC AAAAGTATCTACAAA A- TGGAGTGTACAGGTATATTTCTCA- ATGTATAAGCATTCTTCATTTTAATGAGAAC								46658
Cat	- ATTTTCCAAATTAAC- - - - - CATT AATAATTT- - - - CTTATCA- - - - CCCTAATTTTTGCTAA- - G								48003
Ferret	AGTACGTAAAGTTATAC- - ACAAGTGGAGTGTACATGTATATTTCTCAGCTTATTAAGTATCCTTTGTTTTAGTT- - - -								49020
Lion	- ATTTTCCAAATTAAC- - - - - CATT AATAATTT- - - - CTTATCA- - - - CCCTAATTTTTGCTAA- - G								45677
Vaquita	AGTACC AAAAATCATAT- CAAAG- TGGAGTATACATGCATATTTCTCA- CTGTGTAAGGATTCTTCAGGTTA- - TAG- - T								41536
Pig	AATACC AAAAATTTTATACAAA A- TGGAGCTTACATGTATATTTTTCAGTGTGTAAGGATTCTTCATTTTAGTTAGGTT								37651

Majority	CTCAGAAATATCCTTGAGTTTTTAGAAGATTAXGAACCA- T- XTAAGX- - - - C- - AATXXATAGATTXTAAGATCTTTAA								
	60570	60580	60590	60600	60610	60620	60630	60640	
Human	CACA- AAATATTAGGTAGTTT TAGACGGCAATAGTAATATATCAGGAGAGGCTCATTGTAGATAAGCCATAATATGGATTG								47805
PolarBear	-----								14713
Cow	CTTAGAACTATCCTTGAGTCTT- - - - - AGA- - - - T- - GATATTCTGTTTATTGCATCTTTCA								44694
Dog	TTCAGAAATATCCTTTAGTCTGTAGACAGTTAGGAACCACTGATACAG- - - - AATAAGGAATAGACTGTAAGTTCTTCAA								41698
BelugaWhale	CTCAGAAATATCCTTGAGTTCTTAGAAGATTAAGAACCA- T- - CAAAA- - - - C- - ATCACATATTTTATTGATTCTTTAG								40926
Donkey	CTCAGAAATTGCTTTGAGTCTTAGAAGTT- - - - AACTACCAGTGTGG- - - - AATAGTGGATAGACTGTAAGTTCTTCAA								46730
Cat	T- C- - A- ATATTTCACACTTTTTGTATTTCTGTTAGTCTGTAATAA- G- - - - - ATGATTAAATTGTAAGA- - T- - - A								48065
Ferret	- TCAGAAACATCTTTTAGTCCATAGACCATTTGGAACCACTAATAAGG- - - - AATAGTGGATAGACTGCAAGGTCTTCAA								49095
Lion	T- C- - A- ATATTTCACACTTTTTGTATTTCTGTTAGTCTATAATAA- G- - - - - ATGATTAAATTGTAAGA- - T- - - A								45739
Vaquita	CTCAGAAATATCCTTGAGTTCTTAGAAGATTAAGAACCA- T- - CAAAA- - - - C- - ATCACATATTTTATTGATTCTTTAG								41607
Pig	CTCAGAAATATCCTTGAATTTTTTAGAAGATTTAGA- CCA- T- - TAAGA- - - - C- - ATCACTTATTTTATTGCATCTTTAG								37721

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Majority	ATAAGXTAATCAAGTC- CATGA- GTGATT- TATAATATATAGATGTTGATAGTGACAAA- - - - -								
	60810	60820	60830	60840	60850	60860	60870	60880	
Human	ATAAGATGATTAAATTACAAGATACAGTCATAAATCTTGGGGATAGTGATGAGGATACTCTCGGAGAAATGCATTGTTAG								48044
PolarBear	- - - - -								14713
Cow	AAAAGATAATCAAGTC- CATGA- GTGATAATATAATAGGTAGATGTTGATAGTGATAAA- - - - -								44852
Dog	ATAAGTTAATCAAGTC- CATGA- GTATTT- TATAGTATATAGATGTTGAATGTTATTAG- - - - T- - - GACAAAATATTTA								41905
BelugaWhale	ATAAGATAATCAAGTC- CATGA- GTGATT- TATA- - - - GTAGATTTTGATAGTGACAAA- - - - -								41093
Donkey	ATACGTTAATCAAGTC- CATGA- ATGATT- TATAGTATATAGATGTTGATAGTGACAACAT- ATTTAGATAGATTAGGTG								46919
Cat	AACATTTACCCAGTAG- TTACC- TTAATT- GGTAACATA- - - ATTTTATTTGATAATAATT- - - - - CT								48238
Ferret	AAAAGTTAATCAAGTC- CATGA- GTGTTT- CATAGAATATAGATGTTGATAGTGACAAAAT- ATTTAGGTAGATTATGTG								49308
Lion	AACATTTACCCAGTAG- TTACC- TTAATT- GGTAACATA- - - ATTTTATTTGATAATAATT- GGTGGATATGATTTTTCT								45941
Vaquita	ATAAGATAATCAAGTC- CATGA- GTGATT- TATA- - - - GTAGATTTTGATAGTGACAAA- - - - -								41774
Pig	GTAAGATAATCAAGTC- CATGA- GTGATT- TATAATGGATAGATGTTGATAGTGACAAA- - - - -								37881

Majority	- - ATATTTT- - AAAGTAGAGGAXT- X- AXX- T- - GTAAGC- CATAAT- G- TGGATT- GACTGCATAATTATTTTTACAGC								
	60890	60900	60910	60920	60930	60940	60950	60960	
Human	GTAATTTTGTCACTGCATAAATGTCATAGAGTACATTTGCACAAACCTGCTACACATGTAGGCTATATGGTATATGTAGC								48124
PolarBear	- - - - -								14713
Cow	- - ATATTT- - - - AGGTAGAGGAAT- - - - - - - - - ATAAGC- CATACT- G- TGGATT- GACTGCATAATAATTTTTAAAGC								44912
Dog	G- ATAGATAATAAATTAGGAGAGTCTCATTGTAGGTAAGC- CATAAT- G- TGGATTTGATTGCATAATTATTTTTACAGC								41981
BelugaWhale	- - ACATTTT- - - AGGTAGAGGAAT- - - - - - - - - GTGACC- CATAGT- G- TGGAGT- GACTGCATAATAATTTTTACAGC								41154
Donkey	GTAATTTTAACAAATTAGGAGAGGCTCATTGTAGGTAAGC- CATAATGG- TGGATT- GACTGCATGATCATTTTTTACAGC								46996
Cat	CTCTCCCTTTGAAAGCCAGTTTTTTAATTTTTAGAAATT- ATTCAG- G- TATACTCAGCTATGTTTTTTAATTTAAAAA								48315
Ferret	GTATTATGAATAAATTAGGAGAGGCTTATTGTAAGTAAGC- C- - - - T- G- TGGATT- GACTGCATAATTATTTTTACAGC								49380
Lion	CTCTCCCTTTGAAAGCCAGTTTTTTAATTTTTAGAAATT- ATTCAG- G- CATACTCAGCTATGTTTTTAAGTTAAAAA								46018
Vaquita	- - ACATTTT- - - AGGTAGAGGAAT- - - - - - - - - GTGACC- CATAGT- G- TGGAGT- GACTGCATAATAATTTTTACAGC								41835
Pig	- - ATGTTT- - - - AAGTAGAGGAAT- - - - - - - - - GTAAGC- CA- - - - - G- TGGATT- GACTGCATAATTATTTTTACAGC								37937

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Majority	ATTG- - - CTTTCTTTGATTCCATTTTTTAGTATATT- - - TTCCAAT- TGAG- - CAATTTAGAATTTCTCAGGTAAAAT	
	60970 60980 60990 61000 61010 61020 61030 61040	
Human	CTTTTGCTCCTAGGCAA- CAAATTTGACAGCATGTTACTGTTCTGAATACTGGAGGCAGTTGCAA- - - CACAGTAATAAG	48200
PolarBear	-----	14713
Cow	ATTA- - - TCTGATTCCATT- - - TTTTTAGTACATT- - - TTCCAATT- TGAG- - CAATTTAGAATTTTTCTCAGGTAAAAT	44978
Dog	ACTA- - - CTTTCTTTGCTTCCATTTTTTACTATGATAC- ATTCCAAT- TGTGAACCATTTATAATTTCCCAGGTAAAAA	42056
BelugaWhale	ATTG- - - CTTTCTTTGATTCCATTTTTTAGCACATT- - - TTTCAAAT- TGAA- - CAATTTAGAATTTCTCAGGTAAAAT	41224
Donkey	ATTG- - - CTTTCTTCGATCTCATTTTTGAGTAGAATA- - - TTTTAAAT- TGAA- - CAATATATAATTTCTAAGGTAAAAT	47067
Cat	AAA- - - TTTTTTTTAAATGTTTATTTTTGAGAGACAG- AGACACAGC- AGGGGAGGGGT- - - - - AGAGAGAGAGAGA	48382
Ferret	ATTG- - - CTTTCTTTGTTCCCAGTTTTGAGTATATT- - - TTCTAAAT- TG- - AACCATTTATAATTTTCCCAGGTAAAA	49450
Lion	AAAAATTTTTTTTTTAAATGTTTATTTTTGAGAGACAG- AGACACAGT- GGGGGAGGGGGGGGGGGAGAGAGAGAGAGA	46096
Vaquita	ATTG- - - CTTTCTTTGATTCCGTTTTTTAGCACATC- - - TTTCAAAT- TGAA- - CAATTTAGAATTTCTCAGGTAAAAT	41905
Pig	ATTG- - - CTTTCTTCGATTCCATTTTTCAGTGTATT- - - TTACAAAT- CAAAA- TAATTTAGAATTTCTCAGGTAAAAT	38008

Majority	T- ATAAT- TCCXTAATTTTTGCTAAGTCAAATTTTTCAAX- TT- TTTTGTATTTTTCTXAGTCT- - - - - XT- - - AC	
	61050 61060 61070 61080 61090 61100 61110 61120	
Human	TATTGATGTATCTAAACA- - GAAAAGGTACAATAAAAATATGGTATTATAATCTTATGGGACCACCATTGTATATGTGGC	48278
PolarBear	-----	14713
Cow	- - ATAGTGTCCCTAATTTTTGCTAAGTCAAATTTTTCAC- TGATTTTGTATATTCCTTAGTCT- - - - - G	45039
Dog	TTACAATCTCCT- AATTTTTGCTAAGTCAAAGTAGAGT- TTTTTTTTTTTTTTTTTGTATTT- - - - - CTGTTAG	42124
BelugaWhale	T- ATAAT- - - - TAATTTTTGCTAAGTCAAATTTTTCAC- TT- TTTTGTATTTTCTTAGTCTTAGACTAAGTCTTAGAC	41296
Donkey	T- ATGATGTCCCTACTTTTTGCTAAGTCAAATTTTTCAT- TTTTTTGTGTTTTTGTAGTCT- - - - - G	47129
Cat	GGGAGA- - ACAGAATCAAAGCAGGCTCCAAGGC- - - - - TCTGAGCTCTGAGC- - - - - ACAGAAT	48435
Ferret	TTACAACCTCCTAATTTTTGCCAGGTCAGAAGT- - - - - TTAACTTTTTTTTTTCCATTT- - - - - CTGTTAG	49513
Lion	GAGAGAG- AGAGAGACAGACACAGAATCAAAGCA- - G- - - - - TCTCCAAGGCTCTGAGC- - - - - ACAGAGC	46155
Vaquita	T- ATAAT- - - - TAATTTTTGCTAAGTCAAATTTTTCAC- TT- TTTTGTATTTTCTTAGTCTTAGACTAAGTCTTAGAC	41977
Pig	T- ATAATCTCCATAATTTTTGCTGAGTCAGATTTTTCAC- - - - TTTTAAATTTCTTTCAGTCT- - - - - C	38067

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Majority	TCC- XAXTXX- - - - AATXAGATGATTGAATTGTAAG- ATAATTGTGTTCTTTAGCCATTGG- - - - ACXATTTCTTTATG	
	61130 61140 61150 61160 61170 61180 61190 61200	
Human	CTGTCAATGACCAAAATGTAGTTATGTGGCACATGACTGTGATTGTATTCTTTAGTCATTGG- - - - ACAGTTTCTTTATG	48354
PolarBear	-----	14713
Cow	TTC- - - - - - - - - - - AGATGATTGAATTGTAAG- ATAATTGTTTTGTATAGCCACTG- - - - - ACCATTTCTTTATG	45097
Dog	TTCATAATAA- - - - - AATAAAATGATTAAATTGTAAG- ATAATTGTGTTCTTTAGGCATTGG- - - - - ACAATTTATT- - - - -	42190
BelugaWhale	TCCTTATTAGTCTCTAATAAGACGATTGAATTGTAAG- ATAATTGTGTTCTATAGCCATTG- - - - - ACCATTTCTTTATG	41370
Donkey	T- - - - - - - - - - - AATAAGATGATT- AATTGCAA- ATAATTG- - - - - TTTCTTTAGCCATTGC- - - - - ACAGTTTCTTTATG	47187
Cat	CCGACATGGG- - - - - GCTCAAACCCACGAACCGTGAG- ATCATGACCTGAACT- GAAGTCGG- - - - - ATGCTCAACAGACG	48504
Ferret	TCAGTAATAA- - - - - AAT- - - - - GATTAAATTATAAG- ATAATTGTGTTCTTTAGCCATTGG- - - - - ACAATTTCTTTATG	49578
Lion	CCGACATGGG- - - - - GCTCGAACCCACGAACCGTGAG- ATCATGACCTGAACT- GAAGTCAG- - - - - ATGCTCAACGGACG	46224
Vaquita	TCCTTATTAGTCTCTAATAAGACGATTGAATTGTAAG- GTAATTGTGTTCTATAGCCATTG- - - - - ACCATTTCTTTATG	42051
Pig	T- - - - - - - - - - - AATAAGTTGATTGAATC- ATAGCTGTGTTCTGTAACCATTGGACCCATCATTTCTTTATG	38127

Majority	AAATTACATTTTAATGTTTTTGATTATCATTTGTTACTCTTTACA- - - - - - - - - - - TATACTGTTCCAGAAATAT- - TTAC	
	61210 61220 61230 61240 61250 61260 61270 61280	
Human	AGATTACATTTTAATGTTGTTGCTTATTAATAAATTACTCTTTATA- - - - - - - - - - - ATACTGTTAAGAAACAT- - - - -	48416
PolarBear	----- ATCATTTGTTACTTTTTACA- - - - - - - - - - - TATATTGTTCCAGAAACAT- - GTAT	14755
Cow	AAATTTCAATTTTAATGTTTTTGATTGTCAGTTGTTACTCT- - ACA- - - - - - - - - - - TATGCTATCCAGAGATGTCTCTAC	45164
Dog	AAATTGCCTTTTAATATTTTTGCTTATCATTTGTTACTCTTTATG- - - - - - - - - - - TATACAGTTCCAGAAATAT- - TTAC	42257
BelugaWhale	AAATTGCATTTTAATGTTTTTGATTATCACTTGCTACTCTTTACA- - - - - - - - - - - TATGCTATCCAGAAATATATTTAC	41439
Donkey	AAATTACATTTTAATATTTTTGCTTATCTCTTGTTACTTGTTGCA- - - - - - - - - - - TATACTGTTCCAGAACTTACTTAC	47256
Cat	GAGCCACCCAGGCGCCCTTTAAAAATTTTTTTTTAATGTTTATG- - - - - - - - - - - CTTATTTTTGAGACAGAG- - AGA-	48570
Ferret	AAATTGCATTTTAATATTTTTACTTATCATTTGTTATCTGTGACAGTACCAGAAACTGTTCTGTTCCAGAAACAT- - TTAC	49656
Lion	GAGCCACCCAGGCGCCCTTTAAAAATTTTTTTTTAATGTTTATG- - - - - - - - - - - TTTATTTTTGAGACAGAG- - AGA-	46290
Vaquita	AAATTGCATTTTAATGTTTTTGATTATCACTTGCTACTCTTTACA- - - - - - - - - - - TATGCTATCCAGAAATATATTTAC	42120
Pig	AA- TTACATTTTTATGTTTTTTATTATTGCTTGTTACTCTTTACA- - - - - - - - - - - TATACTGTCCAGAAATATATTTAT	38195

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Majority	CCAATAGTAATCTTAATTGATG- - GTAATTTCAATTAATAGTA- - - - - ATTGGTGGATATGA- TTTTCTCTATTXCTTT									
	61290	61300	61310	61320	61330	61340	61350	61360		
Human	-	TAACAGCAATCTTA	AATAGTTG-	ATAATTTCAATTA	AATAA-	- - - - -	ATAGGTGGATATGA-	TTT-	- - - TATTCCTTT	48483
PolarBear	C	AATAATTATCTTA	AATTGATAATGTA	AATTTCTATTTA	AATA-	- - - - -	ATTGGTGGATATGA-	TTTTCTCTATT	CCTTT	14825
Cow	C	AATAATAATCTTA	AATTGATG- - - -	AGATCATTTAGTAGTA-	- - - - -	ATTGGTGGATAAGAGT	TTTTTCCATTACTCT			45233
Dog	C	AATAGTGATCTTA	AATTGATAATGTA	AATTTTATTAATTTT	ATTTAATAATGGT	GGATATTA-	TTTTCTCTATT	CCTTT		42336
BelugaWhale	C	AATAGTAATCTTA	AATTGATG- - - -	ATTTCAATTTAGTAGTA-	- - - - -	ATTGGTGGATATGA-	TTTTCTCTGTTACTTT			41507
Donkey	C	CAGTAATAGTCTTA	AATTAATTG-	ATAATTTCAATTA	AATGATA-	- - - - -	ATTGGTGGTATGA-	TTTTCTTTATT	CCTTT	47328
Cat	- -	GACAG- - ATCAT	GAGCGGGG- -	GAAGGGCGGAGAA	AGA-	- - - - -	GGGAGACACAG-	AAAGCGAAGCAGGCTC		48631
Ferret	C	AATAGTTATCTTA	AATTGATAATGTA	AATTTTATTTAATAGTA-	- - - - -	ATTGGTGAATATGA-	TTTTCTCTATTTCTTT			49729
Lion	- -	GACAG- - ATCAT	GAGCGGGG- -	GAAGGGCAGAGAA	AGA-	- - - - -	GGGAGACACAG-	AAAGCGAAGCAGGCTC		46351
Vaquita	C	AATAGTAATCTTA	AATTGATG- - - -	ATTTCAATTTAGTAGTA-	- - - - -	ATTGGTGGATATGA-	TTTTCTCTGTTACTTT			42188
Pig	C	AATAGTAATCTTA	AATTGATG- - - -	GTTTCATTTAGTAATA-	- - - - -	ATTGGTAGATATGA-	TTTTCTCCATTACTTT			38263

Majority	GAAAXCCTGGTTTTGAATTTTTAGGAATTA- TTCAAGTATXCTCAGCTGTGTTTTTAAGTTCTTTTTTAAAXTTTG- - -									
	61370	61380	61390	61400	61410	61420	61430	61440		
Human	G	AAGCCTGGC	ATTTGAATTTTTCA	AAGAAATTA-	TTTAAGTATTCTC	AGCTATGTTTTTA	AGTTCTTTTTT	GAAATTTGTAG		48562
PolarBear	G	AAGCCTGGCT	TTTTGAATTTTTA-	- - - - -	TTCAAGTATTCTC	AGCTATGTTTTTA	AGTTCTTTTTT	AAACTTTG-	- -	14894
Cow	G	AAAACCGT	GTTTGTAATTTTTAGTA-	TCA-	- - - CAGGTATGCTTAGCTATGTTTTTAAGTTCTCTGTTGAAGTTTG-	- -				45306
Dog	- - - - -	TGCTTTTTGA	ATTTTTAGGAATTA-	TTCAAGTATTCTC	AGCTATGTTTTTA	AGTTCTTTTTT	TAA-	- - - - -		42400
BelugaWhale	G	CAAACCTGG	TTTTGAATTTTTAGGAAGTATCCCAAGTATGCTCAGTTCTGTTTTTAAGTTCTTTATTAAAGTTTG-	- -						41584
Donkey	G	AAGTCCAG	TTTTGAATTTTTAGGAATTA-	TTCAAGTATACTCAGCTGTGTTTTT-	- - - - -	GT-	- - - - -			47386
Cat	- - - - -	CAGGCTCTGAGCTGTGAGCACAGA-	GCCCAATGTGACCCAGGGCTCAATTAAGTTCTTTTTTAAACTTTG-	- -						48700
Ferret	G	AAGCCTGGCT	TTTTGAATTTTTAGGAAATA-	TTCAAGTATTCTCAGCTATGTTCTTAAGTTCTTTTTTAAACTTTG-	- -					49805
Lion	- - - - -	CAGGCTCTGAGCTGTGAGCACAGA-	GCCCAATGTGACCCAGGGCTCAATTAAGTTCTTTTTTAAACTTTG-	- -						46420
Vaquita	G	CAAACCTGG	TTTTGAATTTTTAGGAAGTATCCCAACTATGCTCAGCTCTGTTTTTAAGTTCTTTATTAAAGTTTG-	- -						42265
Pig	G	AAAACCTAG	TTTTGAATTTTTGGGAATTATC-	CATTTGCACTCAGCTGTGCTTTCACATTATTTATTAAAGTTTG-	- -					38339

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Majority	- - - TTTTGTG- - - - - XTTTTT- TACACAAATGAGGAAAATTAATATAXTXA- XACTX- TTTTXXAATGTCTTTCAGCC								
	61450	61460	61470	61480	61490	61500	61510	61520	
Human	TTTTTTTACACAAATAGGAAAATTCATACATTCTTTTATTGTTGATATAT- AAGGACTG- TTTTTTAATGTCTTTCAGCC								48640
PolarBear	- - - TTTTGTG- - - - - GTTTTTA- TGCA- AA- TGAGGAAAATTAATAAAG- - - - - ACT- - TTTTTAAATGTCTTTCAGCC								14955
Cow	- - - TTTTGTG- - - - - ATTTTTT- T- - TTTTTTTTACGCACATAAGATAAACACAACCTGTTTCTTTACTTTCTTTCAGCC								45374
Dog	- - - TTTTGTG- - - - - GTTTTTA- TGCA- AA- TGAGGAAAATTAATAAAGG- - - - - ACT- - TTCTAAAATGTTTTACAGCC								42461
BelugaWhale	- - - TTTTGTG- - - - - ATTTTTT- TATGCAAATAAGGAAAATCAATATACTAAAGACTGTTTCTTTAATGTCTTTCAGCC								41654
Donkey	- - - - TTTGTG- - - - - TTTTTTA- - - TGCAAATAAGGAAAAGTAATATAATAAAGACTTCTTTTTCAATGTCTTTCAGCC								47453
Cat	- - - TTTTGTGGGGTTTCTTTTTTTTACATAAATGGGAAAATTAATAAACT- - - - ATT- - TTTTTAAATGTCTTTCAGCC								48771
Ferret	- - - TTTTGTGTGG- - - GTTTTTAATGCA- AAATGAGGAAAATTAATAAAA- - - - - ACT- - TTTTAAATGTCTTTCAGCC								49871
Lion	- - - TTTTGTGGGGTTTCTTTTTTTTACACAAATGGGAAAATTAATAAACT- - - - ATT- - TTTTTAAATGTCTTTCAGCC								46491
Vaquita	- - - TTTTGTG- - - - - ATTTTTT- TATGCAAATAAGGAAAATCAATATACTAAAGACTGTTTCTTTAATGTCTTTCAGCC								42335
Pig	- - - TTTTGTG- - - - - ATTTTTTA- T- - GCAAATAAGGAAAATTAATATAATAAAGATTGTTTCTTTAATGTCTTTCAGCC								38407

Majority	AATGGTAATGATAGTAAAAAATTTAAAGGAGAAGATAAAAATGGATGGTGCTCCTTCTCGTGTACTTCATATTCGAAAATT								
	61530	61540	61550	61560	61570	61580	61590	61600	
Human	AATGGTAATGATAGTAAAAAATTTAAAGGAGAAGATAAAAATGGATGGTGCTCCTTCTCGTGTACTTCATATTCGAAAATT								48720
PolarBear	AATGGTAATGATAGCAAAAAATTTAAAGGAGAAGATAAAAATGGATGGTGCTCCTTCTCGTGTACTTCATATTCGAAAATT								15035
Cow	AATGGTAATGATAGTAAAAAATTTCAAAGGAGAAGATAAAAATGGATGGTGCTCCTTCTCGTGTACTTCATATTCGAAAATT								45454
Dog	AATGGTAATGATAGCAAGAAAATTTAAAGGAGAAGATAAAAATGGATGGTGCTCCTTCTCGTGTACTTCATATTCGAAAATT								42541
BelugaWhale	AATGGTAATGATAGTAAAAAATTTAAAGGAGAAGATAAAAATGGATGGTGCTCCTTCTCGTGTACTTCATATTCGAAAATT								41734
Donkey	AATGGTAATGATAGTAAAAAATTTAAAGGAGAAGATAAAAATGGATGGTGCTCCTTCTCGTGTACTTCATATTCGAAAATT								47533
Cat	AATGGTAATGATAGTAAAAAATTTAAAGGAGAAGATAAAAATGGATGGTGCTCCTTCTCGTGTACTTCATATTCGAAAGTT								48851
Ferret	AATGGTAATGATAGCAAAAAATTTAAAGGAGAAGATAAAAATGGATGGTGCTCCTTCTCGTGTACTTCATATTCGAAAATT								49951
Lion	AATGGTAATGATAGTAAAAAATTTAAAGGAGAAGATAAAAATGGATGGTGCTCCTTCTCGTGTACTTCATATTCGAAAGTT								46571
Vaquita	AATGGTAATGATAGTAAAAAATTTAAAGGAGAAGATAAAAATGGATGGTGCTCCTTCTCGTGTACTTCATATTCGAAAATT								42415
Pig	AATGGTAATGATAGTAAAAAATTTAAAGGAGAAGATAAAAATGGATGGTGCTCCTTCTCGTGTACTTCATATTCGAAAATT								38487

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Majority	ACCTGGTGAAGTGACAGAACTGAAGTTATTGCTTTAGGCTTACCTTTTGGTAAGGTGACCAACATCCTTATGCTGAAAG								
	61610	61620	61630	61640	61650	61660	61670	61680	
Human	ACCTGGGGAAGTAACAGAACTGAAGTTATTGCTTTAGGCTTACCTTTTGGTAAGGTGACCAACATCCTTATGCTGAAAG								48800
PolarBear	ACCTGGTGAAGTGACAGAACTGAAGTCATTGCTTTAGGCTTACCTTTTGGTAAGGTGACCAACATCCTTATGCTGAAAG								15115
Cow	GCCTGGTGAAGTGACAGAACTGAAGTTATTGCTTTAGGCTTACCTTTTGGTAAGGTGACCAACATCCTTATGCTGAAAG								45534
Dog	ACCTGGTGAAGTGACAGAAACAGAAGTTATTGCTTTAGGCTTACCTTTTGGTAAGGTGACCAACATCCTTATGCTGAAAG								42621
BelugaWhale	ACCTGGTGAAGTGACAGAACTGAAGTTATTGCTTTAGGCTTACCTTTTGGTAAGGTGACCAACATCCTTATGCTGAAAG								41814
Donkey	ACCTGGTGAAGTGACAGAACTGAAGTTATTGCTTTAGGCTTACCTTTTGGTAAGGTGACCAACATCCTTATGCTGAAAG								47613
Cat	ACCTGGTGAAGTGACAGAACTGAAGTTATTGCTTTAGGCTTACCTTTTGGTAAAGTGACCAACATCCTTATGCTGAAAG								48931
Ferret	ACCTGGTGAAGTGACAGAACTGAAGTTATTGCTTTGGGCTTACCTTTTGGTAAGGTGACCAATATCCTTATGCTGAAAG								50031
Lion	ACCTGGTGAAGTGACAGAACTGAAGTTATTGCTTTAGGCTTACCTTTTGGTAAAGTGACCAACATCCTTATGCTGAAAG								46651
Vaquita	ACCTGGTGAAGTGACAGAACTGAAGTTATTGCTTTAGGCTTACCTTTTGGTAAGGTGACCAACATCCTTATGCTGAAAG								42495
Pig	ACCTGGTGAAGTGACAGAACTGAAGTTATTGCTTTAGGTTTACCTTTTGGTAAGGTGACCAACATCCTTATGCTGAAAG								38567

Majority	GAAAAAATCAGGTA- TACTTC- TTTCAGGACTTATAAAA- - TGTTAAGCCCCAAACTATCCAGTAXGTGTGAATTAGCTA								
	61690	61700	61710	61720	61730	61740	61750	61760	
Human	GAAAAAATCAGGTA- CACTTC- TTTCAGGGTTTATGAAA- - TGTTAAACCCCAAACTATCCAGCAGGTGTGAATTAATTG								48876
PolarBear	GAAAAAATCAGGTA- TGCTTC- TTTCAGGACCTATAAAA- - TGTTAAGCTGCAAACACTACCCAGTATGTGTGAATTAGCTA								15191
Cow	GAAAAAATCAGGTA- TACTTA- TTTCTGGACTTATACCA- - TGTTAAGCTCCAAACTATCCAGCAAGTG- GATTTAGCTG								45609
Dog	GAAAAAATCAGGTA- TGCTTCCTTTT CAGGACCTATAAAA- - TGTTAAGCCTGAAACTACCCAGTATGTGTGTATTAGCTA								42698
BelugaWhale	GAAAAAATCAGGTA- TATTTT- TTTCAGGACTTATAAAA- - TGTTAAGCCCCA- ACTATCCAGCAGGTGTGAATTAGCTG								41889
Donkey	GAAAAAATCAGGTA- TACTTC- TTTCAGGACTTATATAAAAACGTTAAGCCCCAAACTACCCAGCAGGTGTAAATTAGCTA								47691
Cat	GAAAAAATCAGGTA- TGCTTC- TTTCAAGACTTACAAAAC- TGTTAAGCCCCAAGCTATCCTGTGTGTGTGAATTAGCTA								49008
Ferret	GAAAAAATCAGGTAATGCTTC- TTTTAGGTTCTGTAAAA- - TGTTAAGCCCCAAACTACCCTGTATGAGGGAATTAGCTA								50108
Lion	GAAAAAATCAGGTA- TGCTTC- TTTCAGGACTTACAAAAC- TGTTAAGCCCCAAGCTATCCTGTGTGTGTGAATTAGCTA								46728
Vaquita	GAAAAAATCAGGTA- TATTTT- TTTCAGGACTTATAAAA- - TGTTAAGCCCCA- ACTATCCAGCAGGTGTGAATTAGCTG								42570
Pig	GAAAAAATCAGGTA- TACTTC- TTTCAGGACTTATAAAA- - TGTTAAGCCCCACACTATCCAATAGGTGTGAATTAGGTA								38643

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Majority	TTTCCTAATAAAAAGGATAGA- - ATATAG- - - - TAGTAGGTTACTTTTCTAAAAGAACATXACAGAAGTCTTATTCTGAC								
	61770	61780	61790	61800	61810	61820	61830	61840	
Human	- TA- - - - - AAAGGGAGAAA- - - - ATAG- - - - - TAGGTTATTTTTCTTAAAGA- - - - ACAGAAGTCTTATTCTCAC	48932							
PolarBear	ACTCCTAATAAAAAGGATAGA- - ATATAG- - - - T- - - - CCTGACTTTTCTAAAAGAACATAACA- AAGTCTTACTCTGAC	15259							
Cow	TGGCCTGATGAAATGATAGTTTATATAATTATACATAAGGTTACTTTTCTTAAAGGAACATGACAGAAGTTTTACTCTGAC	45689							
Dog	ATTCTTAATAAAAAGGATAGA- - ATATAG- - - - TATGTCTTAACTTTTCTAAAAGAACATAACAGAAGTCTTATTCTGAT	42771							
BelugaWhale	TTGCCTGATGAAAGGATAGT- - - - ATA- - - - - TAGTAGGTTACTTTTCTTAAAGAACATGACAGAAGTCTTACTCTGAC	41959							
Donkey	TTGCCTAATACGAGGATAGA- - - - ATA- - - - - TTGTAGGTTGTTTTCTAAAAGAACATAACAGAAGTCTTATTCTGAC	47761							
Cat	TCTCCTAATAAAAAGGGTAGA- - ATATAG- - - - TAGGTCCTAACTTTTGTAAAAGAGTATGACAGAAGT- - - - TCTTGAC	49077							
Ferret	ATTCCTAATAAAAAGGATAGA- - ATATAG- - - - TAGGTCCTAACTTTTCTAAAAGAACATAACAGAAGTCTTATTTTGT	50181							
Lion	TCTCCTAATAAAAAGGGTAGA- - ATATAG- - - - TAGGTCCTAACTTTTGTAAAAGAGCATAACAGAAGT- - - - TCTTGAC	46797							
Vaquita	TTGCCTCATGAAAGGATAGT- - - - ATA- - - - - TAGTAGGTTACTTTTCTTAAAGAACACGACAGAAGTCTTACTCTGAC	42640							
Pig	TCTCCTGATAAAAAGGTAGT- - - - ATT- - - - - CAGTAGAGTGCTTTTCTCAGAGAACATGACAGAAGTCTTACTCTGAT	38713							

Majority	TTTTCTGAGTGTGTTGGGAAACTAATGCTAGGGAGCCAAAATGAATGAGTCACTGTAGTTTTCAAATTTTGCCTT								
	61850	61860	61870	61880	61890	61900	61910	61920	
Human	TTTTTCGAGTAGATGTCTGTGGGAAACTAATGCTAGGTAGCCAAAAGTGAATGAATCACTATAGTTTTTAACTTTTGTCTT	49012							
PolarBear	TTTTCTGAGTGTGTTGGGAAACTAATGCTAGGAAGCCAAAATGAATGAGTCACTATAGTTTTCAAATTTTGCCTT	15339							
Cow	TTTTCTGAGTGTGATAAGAAATTAATGCTAGGGAATTAATGAATGAGTCACTATAGTTTTCAAATTTTGCCTT	45769							
Dog	TTTTCTGAGTGTGTTGGGAAACTAATGCTGTGGAGCCAGAACGAGTGATTCACTGTAGTTTTCAAATTTTGCCTT	42851							
BelugaWhale	TTCTCCTTGTAGTGTGTTGGGAAACTAATGGTAGGGAGCTAAAATGAATAAGTCACTGTAGTTTTCAAATTTTCAAATT	42039							
Donkey	TTTTCTGAGTGTATGTGGTAAACTAATCCTAGGGAGCCAAAATGA- - ATCTCACCATCGTTTTCAAATTTTCTT	47839							
Cat	TTTTCTGAGTGTGTTGGGAAATTAATACTAGGGAGCCAAAATGAATGAGTTACTGTAGTTTT- AAATTTGCCTT	49156							
Ferret	TTTTCTGAGTGTATTTGAGAAACTAATGCTAGGGAGCCAAAAT- - - - GAGCCAATGTAGTTTTCACATTTTGCCTT	50257							
Lion	TTTTCTGAGTGTGTTGAGAAATTAATACTCGGGAGCCAAAATGAATGAGTTACTGTAGTTTT- AAATTTGCCTT	46876							
Vaquita	TTCTCCTTGTAGTGTGTTGGGAAACTAATGGTAGGGAGCTAAAATGAGTCACTGTAGTTTTCAAATTTTCAAATT	42720							
Pig	TTTTCTGAGTGTGTTGGGAAACTAAAGCTAGGGAGCTGAAATGAATAAG- - - - - GTTTTTCAAATTTCTGCCAT	38785							

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Majority	TTGAATTCAC TTTAGGACTCTAATTGAACAATTGTTATAATGAGATTGTGGAAAATAC- - - - - AAATGAAGTATT							
	61930	61940	61950	61960	61970	61980	61990	62000
Human	TTGAATTGACTTTAGGGCTCTAATTGAATAATTGTT- - - ATGAAATTGTGGAAAATAC- - - - - AAATGAAGTATT	49079						
PolarBear	TTGAATTCGCTTTTGG- - - - - TTGTTATAAAGAGATTGTGGAAAATACAAATGAATGCAAATGAAGGATT	15405						
Cow	ATAAATTCAC TTTAGGACTGTAGTTGAACTATTGTT- CAAGGAGATTGTGGGAAAATAC- - - - - AGATGAAATATT	45838						
Dog	T- GAATTCATTTTTAGA- - - - - TGGTTATAATGAGATTGTGGAAAATACAAATGTATATAAATGCAGTTTT	42916						
BelugaWhale	TTAAATTCCTTTAGGACTCTAATTGAACTACTGGT- CAATGAGATTGTAGGAAAATAC- - - - - AGATGAAATACT	42108						
Donkey	TTGAATTCCTTTCAGGACTCTAATTGAACAATTATTATAATAAGATT- - GGAAAATAT- - - - - AAATGAAGTATT	47907						
Cat	TTGAATTCAC TTT- GGACTCTAATTGAACAGTTGTTATAATGAGATTGTGGAAAATAC- - - - - AAATGAAATATT	49225						
Ferret	TTGAATTCAC TTTTGG- - - - - TTGTTATAATGAGATTGTGAAAATAC- - - - - AAATGAAGGATT	50313						
Lion	TTGAATTCAC TTTTGGACTCTAATTGAACAGTTGTTATAATGAGATTGTGGAAAATAC- - - - - AAATGAAGTATT	46946						
Vaquita	TTAAATTCCTTTAGGACTCTAATTGAACTACTGGT- CAATGAGATTGTAGGAAAATAC- - - - - AGATGAAATACT	42789						
Pig	TTGAATTCAC TGTAGGACTCTAACTGAGCCATTGTT- CGGTAAGATTATGGGAAAATAC- - - - - AGATGAAATGTT	38854						

Majority	T- CTTTTATTGTGGCTTTGCTCTTTGTAATATCAGAAATCAG- - - - -							
	62010	62020	62030	62040	62050	62060	62070	62080
Human	T- CTTTTACTGTGGCTCTGTTCTTTG- - GTATCAGAAATCAG- - - - -	49118						
PolarBear	T- CTTTTATTGTGACTCTACTCTTTGTAATATCAGAAAACAG- - - - -	15446						
Cow	TTTTTTTGTGGGGCGTTGCTCTTTGTAATATCAGAAATCAG- - - - -	45880						
Dog	TTCTTTTATTGTGTCTCTACCGTTTGTAAATATCAGAAAACGGGATACTAGTAGCTTTTTTTAAATATTTATTTATT	42996						
BelugaWhale	TCTTTT- ATTGTGGCTTTGCTCTTTGTAATATCGGAAATCAG- - - - -	42149						
Donkey	T- CTTTTATTGTGGCTCTGCTCTTTATAATATCAGAAATCAG- - - - -	47948						
Cat	T- CTTTTATTGTGGCTTTG- - - - - A- TATCAGAAAACAG- - - - -	49257						
Ferret	T- CTTTTATTGTGGCTCTACT- - TTGTAATAACACAAACTAG- - - - -	50352						
Lion	T- CTTTCATTGTGGCTTTG- - - - - A- TATCAGAAAACAG- - - - -	46978						
Vaquita	TCTTTT- ATTGTGGCTTTGCTCTTTGTAATATCGGAAATCAG- - - - -	42830						
Pig	TGT- - - - - GGCTTTAAT- TTTGTAATTTTCAAGAAATTGG- - - - -	38886						

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Majority	62090	62100	62110	62120	62130	62140	62150	62160	
Human									49118
PolarBear									15446
Cow									45880
Dog	T	A	T	T	T	A	T	T	43076
BelugaWhale									42149
Donkey									47948
Cat									49257
Ferret									50352
Lion									46978
Vaquita									42830
Pig									38886

Majority	62170	62180	62190	62200	62210	62220	62230	62240	
Human				C	A	G	G	G	49123
PolarBear				C	G	G	G	G	15451
Cow				T	A	G	G	G	45885
Dog	G	C	G	G	G	A	T	C	43156
BelugaWhale				T	A	A	G	G	42154
Donkey				T	A	G	G	G	47953
Cat				T	G	T	G	G	49262
Ferret				T	G	G	G	G	50357
Lion				G	G	T	G	G	46983
Vaquita				T	A	A	G	G	42835
Pig				T	A	G	G	G	38891

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Majority	----- A C A C T A G - T A G C A T C T T A T C C T T T A A G C T T A T C C C A T G G A A A T								
	62250	62260	62270	62280	62290	62300	62310	62320	
Human	----- G T A C T A G - T C G C A T C T T - - T C C T T A A G C T - - - - -								49149
PolarBear	----- G C A C C A G - T A G C A T C T T A T C C T T T A A T C T T A T C C C A T G G A A A T								15493
Cow	----- A C G T T A G - T A T C A T C T T A C C T T T T A A G C T T A T C C C A G G G A A A T								45927
Dog	G G C A G A T G T T T A A C C A T T T G A C C C A C C C A C A C G C C C C A C A C T A G - T A G C A T C T T A A C C T T T A A G C T T A T C T C A T G G A A A T								43235
BelugaWhale	----- A C A C T A G - C A G C A T C T T A T C C T T T A A G C T T A T C C C A G G G A A A T								42196
Donkey	----- G C A C T A A A T A G C A T C T T T T C C T T T A A G C T T A T C C C A T G G A A A T								47996
Cat	----- A T A C T A G - T A G C A T C T T - - - C T T T A A G T T T A T C T C A T G G A A G T								49301
Ferret	----- G C A C T A G - T A G C A T C T T A T C C T T T A A G T T T A T C A G A T G G A A A T								50399
Lion	----- A T A C T A G - T A G C A T C T T - - - C T C C T T T A A G T T C T C A T G G A A G T								47022
Vaquita	----- A C A C T A G - C A G C A T C T T A T C C T T T A A G C T T A T C C C A G G G A A A T								42877
Pig	----- A C C T T A G - T A G C A T C T - G T C C T T T A A G C T T A T C C C A G G G A A A T								38932

Majority	A T T T A T C T G A T A G C A T T A G A A G A A A A T A G T C A T T A A T C C T A G A T A - T T C T T C A T T G A A T A X A T G T A C C T G T A G C A G X A G G								
	62330	62340	62350	62360	62370	62380	62390	62400	
Human	----- T T A T G A G A A - - - - - T A - - - T - - - - -								49161
PolarBear	A T T T A T C T G A T A G C A T T A G A A G A A A A T A G T C A C T A A T C C T A G G T A - T T C T T C A T T G A A T A A A T G T A T C T G T G G C A G A A A G								15572
Cow	A T T T A T C T G A T A G C A T T A G A A A A A A T T A G T G T T A G - T C C C A G A T A T T - C T A T A C T G A A T A G A T A T A T C T G T A G C A G T A G G								46005
Dog	A C T T A T C T G G T A G C A T T A G A A G A A A A T A A T T A T T A A T C C T A G A T A - T T C T T C A T T G A A T A A A T A T C C C T G T G G C A A A A A A								43314
BelugaWhale	A T T T A T C T T A T A G C A T T A G A A G A A G A T A G T C A T T A G T C C C A G A T A T T - C T A T A T T G A A T A G T T A T A C C T G T A G C A G T A G G								42275
Donkey	A T T T - - C T G A T A G C A T T A G A G G A A A A T A G T C A T T A A T C C T G T A T A - T T T T T C A T T G C A T A G A T G T A C C T G T A G C A A T A G G								48073
Cat	G T T T A T C T G A T A G C A T T A G A A G A A A A T A G T C A T T A A T C C T A G A T A A C T C T T C A T T T A A T A A A T G T A T C T G T T G C A G A G G T								49381
Ferret	A T T T A T C T G A T A G C A T T A G A A G A A A A T A G T C A C T A A T C C T A G G T A - T T C T T C A T T G A A T A A A T G T A C C T G T G G C A G A A A G								50478
Lion	G T T T A T C T G A T A G C A T T A G A A G A A A A C A G T C A T T A A T C C T A G A T A A T T C T T C A T T T A A T A A A T G T A T C T G T G G C A G A G G T								47102
Vaquita	A T T T A T C T G A T A G C A T T A G A A A A A A G A T A G T C A T T A G T C C C A G A C A T T - C T A T A T T G A A T A G T T A T A C C T G T A G C A G T A G G								42956
Pig	A T T T A T C T G A T A G C A T T A G A A A A A A A T T G T C A T T A - T C C C A G A T G T T T C T G T A T C G C A T A G A T G T A C C T A T A G C A A T A G G								39011

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Majority	CTTTAAAAATGACTTGGAGATCTCTT- - - ATGTTCTCTAGGXTAGGAGTGGTAAAATTCTGATGCTAGAAAA- - TGTTTA								
	62570	62580	62590	62600	62610	62620	62630	62640	
Human	CTTTTAAAAATGACTTGGAAATCTT- - - -	ACATTCTCTAGGGTAGAAGTGGTAAAATTCTGATGCTAGAAAA- -	TGTTTA	49367					
PolarBear	CTTTAAAAAAAACCTCTGAGATCGCTT- - -	ATGTTTTCTAGTATCGGAATGGTAAAATTCTGATATTGAAAAA- -	TGTCTA	15802					
Cow	CTTTAAAAATGACTTGGAGATCTC- - - -	ATGTTTTCTAGGTTAGGCATGGTAAAATTCTGTTTCTAGAAAA- -	TGTTTG	46222					
Dog	CTTTAAAAATGACTTTGAGATCTCTT- - -	ATGTTCTCTAATAGGGGAATGGTAAAATTCTAATATTAGAAAA- -	TGTTTA	43531					
BelugaWhale	CTTTAAAAATGACTTGGTGTCTCTT- - -	ATGTTTTCTAGGTTAGGAGTGGTAAAATTCTGGTGCTGGAAAA- -	TGTTTA	42497					
Donkey	CTTTAAAAATGACTTTGAGATCTCTT- - -	ATGTTCTCTAGGTTAGGATTGGTAAAATTCTGAAGCTAGAAAAAAGTGT	TGTTTA	48296					
Cat	CTTTAAAAATGACT- - GAT- TTTCTT- - -	ATGT- CTTTA- - A- - G- AGTGGTAAAATTCTGATGTTAGAAAA- -	CGTTTA	49594					
Ferret	CTTTAAAAATGACTTTGAAATCCCTTTTTGTGTTCTCTAGTATCGGAATGGTAAAATTCTGATACTGAAAAA- -	TGTTTG	50706						
Lion	CTTTAAAAATGACT- - AAGATTTCTT- - -	ATGT- CTCTA- - A- - G- AGTGGTAAAATTCTGATGTTAGAAAA- -	CGTTTA	47313					
Vaquita	CTTTAAAAATGACTTGGTGTCTCTT- - -	ATGTTTTCTAGGTTAGGAGTGGTAAAATTCTGGTGCTGGAAAA- -	TGTTTA	43178					
Pig	CTTTAAAAATGACTTGGAGATCTCTT- - -	ATATTCTCTAGGTTAT- - -	TGGTAAAATACTGGTGCTAGGAAA- -	TATTTA	39234				

Majority	GATTTTA- - - - - TTTTCTCTAGCTTTTTGTTGGAXGA- XTACATTTGTGGTGTATGGAAA- - - - -								
	62650	62660	62670	62680	62690	62700	62710	62720	
Human	CATTT- - - - -	T- -	CTCTAGCATTTGTTGCAAGA- ATAGATTTGTGG- GTGTGAAAAATCATA	49420					
PolarBear	GATTTTA- - - - -	TTTTCTCTAGCCTTTGTTGGA- - -	CTACATTTGTGGTGTACAGAAA- - - - -	15852					
Cow	GATTTTA- - - - -	TTTTCTCTAGCCTTTTTTTGAGGAGTTACATTTGTAATGTATGGAAAT- CAGA	46281						
Dog	GATTTTACTTTGTCAAAAAAAAAGATTTTTGTCTAGTTTTTTGTTAGA- - -	CTACATTTGTGGTGTGTGGAAA- - - - -	43601						
BelugaWhale	GATTTTA- - - - -	TTTTCTCTAGCCTTTGTTGAAATGGGTACATTTGTAGTGTATGGAAA- - - - -	42551						
Donkey	GACTTAA- - - - -	TTTTTTTAGCTTCTCTTGAA- - -	GTACATTTGTGGTATATGGAAAATCAGA	48352					
Cat	GATTTTA- - - - -	TTTTCTTTAGCTTTTTGTTGGGGGA- CTATATTTGTGGTATATGGAAA- - - - -	49647						
Ferret	GATTTTA- - - - -	TTTTCGCTAGCTTTTTGTTG- - - -	TCACATTTGTGGTGTATGGAAA- - - - -	50755					
Lion	GATTTTA- - - - -	TTTTCTTTAGCTTTTTGTTGGGGGA- CTATATTTGTGGTATATGGAAA- - - - -	47366						
Vaquita	GATTTTA- - - - -	TTTTCTCTAGCCTTTGTTGAAATGGGTACATTTGTAGTGTATGGAAA- - - - -	43232						
Pig	GATTTTA- - - - -	TTTTCTCTAGG- TTTATTGGGGGAAGTACATTTGCAGTGTACAGAAAG- ATCA	39292						

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Majority	-- T- AAAGGCAGAAGT- - - - TXTA- - CGGATAXCTT- - - - CTXAG- TT- - - - - AATTGTATATCTAAACTTXAACAAGG	
	62730 62740 62750 62760 62770 62780 62790 62800	
Human	GGTGAAGGCAGAAGCAGCGTGTACTCGGTTTTCTT- - - - CTGAGGTTAGCTTTAACTGTATACCTAAACTTCAACAAGA	49496
PolarBear	- - - - ATAAG- GAAAGT- - A- - - - - AGGATAACTT- -	15900
Cow	GATGGAAGGCAGAAATACTGTGTACGCTAAGAGCTTTCTACTAAGGTTAGCTTTAATTGTATTTCTAAGCTTCAATAA- G	46360
Dog	- - - - TAAGG- ATAAGT- - - - - - - - - - - AGGATAACTT- -	43647
BelugaWhale	- ATCAGAGGTGGAAGT- - - - TGTATTCTAAGAGCTT- - - - CTGAGTTTAACTTTAATTGTATCTCTGAACTTCAAGTAAGA	42622
Donkey	GATCGAAGGCAGAAGCACCATGTACTCAAAGAGCTTTTTTCTGAGGTTAGCTTTAGTTGTATACCTAAACTTGAATAAAG	48432
Cat	- - - - ATAAGGATAAGT- - A- - - - - - - - - - AGGATAACTT- -	49694
Ferret	- - - - ATA- -	50793
Lion	- - - - ATAAGGATAAGT- - A- - - - - - - - - - AGGATAACTT- -	47414
Vaquita	- ATCAGAGGTGGAAGT- - - - TGTATTCTAAGAGCTT- - - - CTGAGTTT- - - - - - - - - - - AATTGTATCTCTAAACTTCAAGTAAGA	43297
Pig	GGTGAAGGCAGAAGTACTGTATATGCAAAGAGCTTTCTTCTGAGGTTACCTTTAATTGTGTATCAAAGTGAATAAAG	39372

Majority	GATTTCTGATTXTACTTA- XAGXXCA- -	
	62810 62820 62830 62840 62850 62860 62870 62880	
Human	GATTTCTAATTCTGCTTATCAGAACATTTAAAAGTAACTGAAGGATTATATTCTAGATAATTGATTAA- - AATCATCTG	49574
PolarBear	AA- - - - - GGTTATACTC- -	15938
Cow	GATTTCTGATTCTACCTATTAGGGCA- -	46415
Dog	AA- - - - - GGTTATACTC- -	43685
BelugaWhale	GATTTCTAATTCTACCTACTAGAGCATCTAAATGTAACCTTAAAGGTTATATTCTAGATACTGATTTTCTAATGAACCA	42702
Donkey	GATTTCTAATTTTATTATTAGAGCATCTAGATGTAACCTTGAAAAGTATATTCTAGATACTGATTTTCTAGTTAGTTG	48512
Cat	AA- - - - - GGTTATAGTC- -	49731
Ferret	AA- - - - - GGTTATACTC- -	50831
Lion	AA- - - - - GGTTATAGTC- -	47451
Vaquita	GATTTCTAATTCTACCTACTAGAGCATCTAAATGTAACCTTGAAAAGTATATTCTAGATACTGATTTTCTAATGAACCA	43377
Pig	GATTTCTGATTCTACCTACTAGAGCATCTGAATGTGACTTGACAGTTTATGTTTTAGATAGTGATTTTCTAAGGAGCTG	39452

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Majority	AATAGATTACACAGATA- TTGAAGTTTATTTGAA- TXTAATTCATAGTATTTAAAATTTTGTCTATTTAAATTTTCAGGCA								
	62890	62900	62910	62920	62930	62940	62950	62960	
Human	AATAGATTGCTTAGATA- - TTAATTTTATTTGAA- - - - - TTTATAGTATTTAAAATTTGTGCTACTTAAATTTTCAGGCA								49646
PolarBear	AATAAGTTATA- - GATA- ATGAGGTTTACTTTGAA- TATAATTCATAGTATTTCCAATTTTGTCTATTTAAATTTTCAGGCA								16014
Cow	AATAGATTACACAGATA- TGAAGTTTATTTGAA- TTTAATTCATAGTATTATAATTTTGTCTATTTAAATTTTCAGGCA								46493
Dog	AATAGATTACACAGATA- CTGAAGTTTACCTGAAATATAATTCCTAGTATTTAAAATTTTGTCTATTTAAATTTTCAGGCA								43764
BelugaWhale	AACAGATTACACAGATA- TTGAAGTTTATTTGAA- TTTTATTCATAATATTAAGATTTTGTCTATTTAAATTTTCAGGCA								42780
Donkey	AATAGATTACACAGATA- TTGAAGTTTGTTTGAA- TTTAATTCACAGTATTAACCTTTTGTCTATTTAAATTTTCAGGCA								48590
Cat	AATATATTACACAGATA- CTTACGTTTATTTGAA- TATAATTCATGGTATTTAAAATATTTGTCTATTTAAATTTTCAGGCA								49809
Ferret	AATAGATTACACAGGTA- TTGAGGTTTACTTTGAA- TATAATTCATAGTATTTCCAATTTTCTCTTTAT- TTTACAGGCA								50908
Lion	AATATATTACACAGATA- CTGAGGTTTATTTGAA- TATAATTCATGGTATTTAAAATGTTTGTCTATTTAAATTTTCAGGCA								47529
Vaquita	AACAGATTACACAGATA- CTGAAGTTTATTTGAA- TTTTATTCATAATATTAAGATTTTGTCTATTTAAATTTTCAGGCA								43455
Pig	GATAGATTAAGCAGATAATTGAAGTTTATTCAAT- TTTAATTCATGGCAGTAAAATTTTG- - TATTTAAATTTTCAGGCA								39529

Majority	TTTTTGGAAGCTAGCAACAGAGGAAGCAGCTATTACTATGGTTAATTACTATTCTGCTGTGACACCTCATCTTCGTAACCA								
	62970	62980	62990	63000	63010	63020	63030	63040	
Human	TTTTTGGAAGCTAGCAACCGAGGAAGCAGCTATTACTATGGTTAATTACTATTCTGCTGTGACACCTCATCTTCGTAACCA								49726
PolarBear	TTTTTGGAAGCTAGCAACAGAGGAAGCAGCTATTACTATGGTTAATTACTATTCCGCTGTGACACCTCATCTCCGTAACCA								16094
Cow	TTTTTGGAAGCTAGCAACAGAGGAAGCAGCTATTACCATGGTTAATTACTATTCTGCTGTGACACCTCACCTTCGTAACCA								46573
Dog	TTTTTGGAAGCTAGCAACAGAGGAAGCAGCTATTACTATGGTTAATTACTATTCTGCTGTGACACCTCATCTCCGTAACCA								43844
BelugaWhale	TTTTTGGAAGCTAGCAACAGAGGAAGCAGCTATTACTATGGTTAATTACTATTCTGCTGTGACACCTCACCTTCGTAACCA								42860
Donkey	TTTTTGGAAGCTAGCAACAGAGGAAGCAGCTATTACTATGGTTAATTACTATTCTGCTGTGACACCTCATCTTCGTAACCA								48670
Cat	TTTTTGGAAGCTAGCAACAGAGGAAGCCGCTATTACTATGGTTAATTACTATTCTGCTGTGACACCTCATCTCCGTAACCA								49889
Ferret	TTTTTGGAAGCTAGCAACAGAGGAAGCAGCTATTACTATGGTTAATTACTATTCTGCTGTGACACCTCATCTCCGTAACCA								50988
Lion	TTTTTGGAAGCTAGCAACAGAGGAAGCCGCTATTACTATGGTTAATTACTATTCTGCTGTGACACCTCATCTCCGTAACCA								47609
Vaquita	TTTTTGGAAGCTAGCAACAGAGGAAGCAGCTATTACTATGGTTAATTACTATTCTGCTGTGACACCTCACCTTCGTAACCA								43535
Pig	TTTTTGAGGCTAGCAACAGAGGAAGCAGCTATAACTATGGTTAATTACTATTCTGCTGTGACACCTCATCTTCGTAACCA								39609

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Majority	ACCAATTTATATCCAGTACTCCAATCACAAAGAACTAAAAACAGATAATACATTTAAACCAAGTGAGTATGTGTAGGTACA	
	63050 63060 63070 63080 63090 63100 63110 63120	
Human	ACCAATATATATCCAGTACTCGAATCACAAAGAACTAAAGACAGATAATACATTTAAACCAAGTAAGTATGTGTAGGTACA	49806
PolarBear	ACCAATTTATATCCAGTACTCCAATCACAAAGAATTA AAAACAGATAATACGTTAAACCAAGTGAGTATGTGTAGATACA	16174
Cow	ACCGATTTATATCCAGTACTCCAATCACAAAGGAACTAAAAACAGATAATACATTTAAACCAAGTGAGTATGTGTAGGTTCA	46653
Dog	ACCAATTTATATCCAGTACTCCAATCACAAAGAACTAAAAACAGATAATACGTTAAACCAAGTGAGTATGTGTTGGTACA	43924
BelugaWhale	ACCGATTTATATT CAGTACTCCAATCACAAAGAACTAAAAACAGATAATACATTTGAACCAAGTGAGTATGTGTAGGTACA	42940
Donkey	ACCAATTTATATCCAGTACTCCAATCACAAAGAACTAAAAACAGATAATACGTTAAACCAAGTGAGTATATGTAGGTACA	48750
Cat	ACCAATTTATATCCAGTACTCCAATCACAAAGAACTAAAAACAGATAATACATTTAAACCAAGTGAGTATGTGTAGGTACA	49969
Ferret	ACCAATTTATATCCAGTACTCCAATCACAAAGAACTAAAAACAGATAATACATTTAAACCAAGTAAGTATGTGTAGGTACA	51068
Lion	ACCAATTTATATCCAGTACTCCAATCACAAAGAACTAAAAACAGATAATACATTTAAACCAAGTGAGTATGTGTAGGTACA	47689
Vaquita	ACCGATTTATATT CAGTACTCCAATCACAAAGAACTAAAAACAGATAATACATTTGAACCAAGTGAGTATGTGTAGGTACA	43615
Pig	ACCGATTTATATCCAGTACTCTAATCACAAAGAACTAAAAACAGATAATACATTTAAACCAAGTGAGTATATGTAGGTACA	39689

Majority	TAAATAAAATGGCCTAGAACATATTAAGAATCTCATAAATATX- - - - - AACAGAAAG- - - - XTTAXAATTATTAAGATA	
	63130 63140 63150 63160 63170 63180 63190 63200	
Human	TAAATAAAATGGCCTAGAACATATTATGAATCTCATAAACATT- - - - - AATAGGAAGGAAATGTTTACCTGTT CAGATG	49880
PolarBear	TAAATAAAATGG- - - - - ACATATTAAGAATCTCAAACCTTATT- - - - - AACAGAAAG- - - - ATGTA ACTAA- - GGGCA	16235
Cow	TAAACAAAATGTCCTAGAGCGTATTAAGACTCATATTAG- - - - - GAGAAAAT- TTTTAACCATTGAGAAGATT	46720
Dog	TAAATAAAATGGCCTAAGACATATTAAGAATCTCAAATGTATG- - - - - AATGGAAAGTAATCATTTAACCGTTTAACCA	43998
BelugaWhale	TAAATAAAATGGCCTAGAACGTATTAAGAATCTCATAAACAT- - TAGCAGAAAAAAATT- TTTTACCATT CAGAAGATT	43017
Donkey	TAAATAAAATGTCCAGACAATACTAAGAATCTCATGAACATATT- - - - - AAAAGAAAA- - - - - TAAAATTTTAAATGTT	48820
Cat	CAAATAAAATGGCCTAGGACATATTAAGAGTCTGAAACATATT- - - - - AACAGAAAG- - - - - TAAAATTTTAAACCA	50037
Ferret	TAAATAAAACGG- - - - - ACATATTAAGAATCTCAAACCTTATT- - - - - AACAGAAAG- - - - - ATGTAATTAT- - GGGTA	51128
Lion	CAAATAAAATGGCCTAGGACATATTAAGAGTCTGAAACATATT- - - - - AACAGAAAG- - - - - TAAAATATTTAAACCA	47757
Vaquita	TAAATAAAATGGCCTAGAACGTATTAAGAATCTCATAAACATATTAGCAGAAAAAAATT- TTTTACCATT CAGAAGATT	43694
Pig	TCAATAAAACGGCCTAGAACATATTAAGAATCTCAT- - - - - AAACA- - - TATTAACAGAAAATAAGAAA	39750

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Majority	TTT- - - - - GAAT- TTCTTGTXGTTTTTTTTGTTGTT- - TTTTA- GACATTTTCTTGCAGTATGTCCCTAAGTATTTAAATA								
	63210	63220	63230	63240	63250	63260	63270	63280	
Human	TTC- - - - - CTTATAGGCATTTTCTTGTTATTTTAAAGGATTTTTCATGCAGAATGTTTCTAAGTATTTAAATA								49947
PolarBear	TTT- - - - - TCTTGTTATT- - TTTAAAGATACTTTCTTGTAATATGTCCCTAAATATTAAGTA								16290
Cow	TTT- - - - - GTATGATCTTTTAAATTTTTGTTGT- - TGTGCTATATTTTCTTACAGTATGTCCCTAAGTATTTAAATA								46791
Dog	TTCA- - - - - GAAGATTAACATGGCATTGTTATT- - TTCAA- CACATTTTCTTGTAGTACATCCCTAAATGTTAAATA								44070
BelugaWhale	TTTCTGTGAGCATTTTCTTGTTTTTGTGTTTCTGGTTTTTGTGGCATTCTTGTAGCATGT- - TAAGTATTAACCA								43094
Donkey	TCAG- - - - - AAGATGTCTCTGTGGGCATTTTCTTGTTATTTTAAAGACATTTTCTTGCAGCA- - T- - - - - TAAATA								48884
Cat	TTCA- - - - - GAAG- CTATGGGCATTTTCTTGTTATT- - TAAA- GACATTTTCTTGCAGTATGTCCCTAAGTATTTAAATA								50108
Ferret	TTT- - - - - TCTTATTATT- - TTTAA- GATATTCTTGCAGTATGTCCCTAAATATTTAAATA								51182
Lion	TTCA- - - - - GAAG- CTATGGGCATTTTCTTGTTATT- - TAAA- GACATTTTCTTGCAGTATGTCCCTAAGTATTTAAATA								47828
Vaquita	TTTCTGTGAGCATTTTCTTGTTTTTGTGTTTCTGGTTTTTGTGGCATTCTTGTAGCCTGT- - TAAGTATTAACCA								43771
Pig	TT- - - - - GAACCATTAAGAAGATTTTCTTTGGGTATATTCTTGT- TTTTTCGCAGTATGTTCCCTAAGTATTTAAATA								39822

Majority	TTATGTTAATTTACAAAAGTATGTGCAGTCTATTATTTTCATGTT- - TTAAATTGGTACTXGATAAATTAGTTAAATAG								
	63290	63300	63310	63320	63330	63340	63350	63360	
Human	CTATGTCATTTT- - - GAA- - TTCCTTTAATCCCCTGGTCAAATGTTCTTTTTCTTGTTGCAAGTTAAAATTTTTGTGTAG								50022
PolarBear	TTATGTTAATTTACAAAAGTATGTGCAGTCTATTATTTTCATGTT- - TTAAATTGGTACTTGA- - ATTAATAATT- -								16363
Cow	TTATATTACTTTACAGAACATATGTGCAGTCTTTTATTTTCATATT- - TTAAATTAGTACTGGATAAATTA- - - AATAG								46865
Dog	TTATGTTAGTTTACAAA- - - TGTGCAGTCTATTATTTTCATGTT- - TTAAATTGGTACTTGTATGAATTAGTTAAGTAA								44144
BelugaWhale	TTATGTTAATTTACAGAAAGTATGTGTGGTCTCTTATTTTCATATT- - TTAAATTAATACTGGATAAATTAGTTAAATAG								43172
Donkey	TTATGTTAATTTATAAAAAGTATGTGTGGTCTGTTATTTTCATATT- - TTAAATTGGTACAGGATCAATTA- - AA- TAG								48958
Cat	TTATGTTAATTTACAAAATGTATGTGAAGTCTATTATGTGCATGTT- - TTAAATTGGTACTTGTATGAAGTAAATAA- TA-								50184
Ferret	TTATGTTAATTTACAAAAGTATGTACAGTCTATTATTTTCATGTT- - CTAAATTGGTTCCTGATGAATTAGTTAAATA-								51259
Lion	TTATGTTAATTTACAAAATGTATGTGAAGTCTATTATGTGCATGTT- - TTAAATTGGTACTTGTATGAAGTA- - - A- TA-								47900
Vaquita	TTATGTTAATTTACAGAAAGTATGTGTGGTCTCTTATTTTCATATT- - TTAAATTAATACTGGATAAATTAGTTAAATAG								43849
Pig	TTACGTTAACTTAGAAGAGATATGTACAGTCAGATGCTTTTCGTATT- - TTAAATTAGTACTGGTAAATTAGTTAAATGG								39900

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Majority	XATTTTTT- - CAXAG- TTTTAAGGT- - - - -								
	63370	63380	63390	63400	63410	63420	63430	63440	
Human	AAACTTATCAGGTAGGATTTATTATTAGCATAAAC- - - - - TGTTTAT- ACAACTCTCCTGC								50077
PolarBear	- - TTTTTT- - CAAAG- CTTTAAGGT- - - - -								16383
Cow	TATCTTTT- - CAGTTTTTTTAAGGT- - - - -								46888
Dog	TACTTTTT- - CAAAG- CTTTAATGT- - - - -								44166
BelugaWhale	CATTTTTTT- CAGTGATTTTAAGGT- - - - -								43196
Donkey	TATTTTTT- - CAGTGCTTTTAAAGT- - - - -								48981
Cat	- - TTTTTT- - CAAAG- CTTTAAGGT- - - - -								50204
Ferret	- - TTTTTT- - CAAAG- TCTTAAGGT- - - - -								51279
Lion	- - TTTTTT- - CAAAG- CTTTAAGGT- - - - -								47920
Vaquita	CATTTTTTT- CAGTGATTTTAAGGT- - - - -								43873
Pig	TATTTTTTTTTCAGTGCTTTTAAAGATCTGTACAGTGTTCTTTTTTTTTTTTTTTTTTTTTTTTATTATTTTCCCAC								39980

Majority	- - - - -								
	63450	63460	63470	63480	63490	63500	63510	63520	
Human	TTAGAATTTAAGGTAAGAAGTTCAGTGCCTTTGGTTATTTGATTTTTTTTATAGGTCTTAATTTCTTACGGAAAATTTTT								50157
PolarBear	- - - - -								16383
Cow	- - - - -								46888
Dog	- - - - -								44166
BelugaWhale	- - - - -								43196
Donkey	- - - - -								48981
Cat	- - - - -								50204
Ferret	- - - - -								51279
Lion	- - - - -								47920
Vaquita	- - - - -								43873
Pig	TGTACAGCAAGGGGGTCAGGTCATCCTTAGATGTATACATTGCAGTTACAGTTTTTTCCCCACCTTTCTTCTGTTGCG								40060

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Majority	----- TCTGGTCAAATGTTCA----- TTTTCA								
	63530	63540	63550	63560	63570	63580	63590	63600	
Human	TTTTGAAGATGTGTTAATGGTTTTCTGGAAA- - - AGAAATCTTAAGGATGAAGAATATGTGAATGTATTGATGTTTTAA								50234
PolarBear	----- TCTGGTCAAATGTTCA----- TTTTCA								16406
Cow	----- TCTGGTCAAAGTTCT----- TTTTCT								46909
Dog	----- TCTGGTCAAATGTTCA----- TTT- CA								44188
BelugaWhale	----- TCTGGTCAAAGTGTCT----- TTTTCT								43219
Donkey	----- CCTTGTGAGAATGTTGG----- T----- TTTTTT								49005
Cat	----- TCTAGTCAAATGTTCA----- TTTTCA								50227
Ferret	----- TCTGGTCAAGATGTTCA----- TTTTCA								51302
Lion	----- TCTAGTCAAATGTTCA----- TTTTCA								47943
Vaquita	----- TCTGGTCAAAGTGTCT----- TTTTCT								43896
Pig	ACATGAGTATCTAGACATAGTTCTCAATGCTATTGAGCAGGATCTCCTTATAAATCTTTTCTAGGTAGTGTTCGTTTTCT								40140

Majority	TGTTGCAA- XTTXAAATTTTTGTATAGAAACTGT-----								
	63610	63620	63630	63640	63650	63660	63670	63680	
Human	AAATGTAATATAGAAGATATTGTTTAAAATTAATGTATTCAAAAATAGCATTAGAATGTTTTCCGACCTACATTATA- - -								50311
PolarBear	TGTTGCAA- CTTGAGATTTTTGTATAGAAACTGTT-----								16440
Cow	TTGTACAA- ATTAAGACTT- - GTACAGAAACTGT-----								46940
Dog	TGTTGTAA- GTTCAGATTTTTGTATAGGAACT-----								44219
BelugaWhale	TTGTGCAA- ATTAAGTTTTTTGTATAGATACTGT-----								43252
Donkey	TGTTACAA- GTTAAGATTTTTGTGTAGAAACCGTT-----								49039
Cat	TGTTGCAA- GTTCAAATTTTTGTATAGAAACTGTA-----								50261
Ferret	TGTTGCAA- GTTCAGATTGCTCTATAGAAACTGTT-----								51336
Lion	TGTTGCAA- GTTCAAATTTTTGTATAGAAACTGCA-----								47977
Vaquita	TTGTGCAA- ATTAAGTTTTTTGTATACATACTGT-----								43929
Pig	TTATGCAG- ATTAAGTTTTTTGTATAGAAGCTATGAGGTAGGGACTTCAGCATAAACTTTTTTTTTTTTTTTTGTCTTTTA								40219

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Majority -----

	63690	63700	63710	63720	63730	63740	63750	63760	
Human	--- AGACTGCTGTAATGATCTAAAAGCTTTAGCTGTTTTAATATAGTTTTAAAAGCTAATGATATCTTTCTCTGTCAGTAAA								50388
PolarBear	-----								16440
Cow	-----								46940
Dog	-----								44219
BelugaWhale	-----								43252
Donkey	-----								49039
Cat	-----								50261
Ferret	-----								51336
Lion	-----								47977
Vaquita	-----								43929
Pig	GGCATGGCACATGGAGGTTCCCAGGCTAGGGGTCCAGTCATAGCTGTAGCCACGGGCTATGCCACAGCAACACCAGATC								40299

Majority ----- ATGAGATAGGACT-----

	63770	63780	63790	63800	63810	63820	63830	63840	
Human	ATACAAACTTTTTCTTAATAAAAATGTAATGGAAAAGCTGTTCCCTCATAGATTTTTGTCACTTTACAAAGTGACAAAATCA								50468
PolarBear	----- AGGAGATTGGGCT-								16453
Cow	----- CTGAGGTAGGAC--								46952
Dog	----- ATGAGATTGAGCT-								44232
BelugaWhale	----- CTGAGGTAGGAC--								43264
Donkey	----- TATGACGTAGGAGT-								49053
Cat	----- CATGAGATTGGGCT-								50275
Ferret	----- TATGAGATTGGGC--								51349
Lion	----- CATGAGATTGGGCT-								47991
Vaquita	----- CTTAGGTAGGAC--								43941
Pig	TGAGCCACATCTGCGACCTACACTGCAGCTTACAGCTACGCTGGATCCTAACCCACTGAGTGAGGCCAGGGATAGAACCCT								40379

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Majority	----- TACTATTAAC-----ATAAACTGT--ATACAACTCTGCTGCTT								
	63850	63860	63870	63880	63890	63900	63910	63920	
Human	TTTTGTTAGTTTATGGAAAATAAGCTTGTA--A-----CTTTTACCTAAAAGATAGGACTGAAATTTTCAGCTTTT								50539
PolarBear	-----CACTATTTGC-----ATAAACTGT--AC-----TCTGCTGCTT								16484
Cow	-----TAAACTA-----TAAACTGTTTATACAACTTTGATT---								46983
Dog	-----TGCTATTCAC-----ATAAACTAT--ATAGAACTCTGTTGCCT								44268
BelugaWhale	-----TAAAGCA-----TAAACTGTTTATGCAACTCTGCTGCTT								43298
Donkey	-----TTTTATTAGC-----ATAAACTAT--ATACAACTCTCCTGCTT								49089
Cat	-----TACTATTAGC-----GTAAACTGT--ATA--GGTCTGTTGCTT								50309
Ferret	-----CACTATTAAC-----ATAAACTGT--AGA--AGTCTGCTGCTT								51383
Lion	-----TACTATTAGC-----ATAAACTGT--ACA--GGTCTGTTGCTT								48025
Vaquita	-----TAAAGCA-----TAAACTGTTTATGCAACTCTGCTGCTT								43975
Pig	GTGTATGAATGATGGTCAGGTTCAATTAACCACTGAGCCACGCCGGAAGTCCATAAACTATTTATACAGCTCTGCTTCTT								40459

Majority	AGACTTT-AAGGTATGATGTTCAATXCCTTTGGTT---ATTTGACTTTTTX-----								
	63930	63940	63950	63960	63970	63980	63990	64000	
Human	TTAATTTGATGATGAGTTTTTAATTTCTTTTGA AAAAGAATGTATGCTTCTAATAATTTATCAAGAGGAAGAATACCAA								50619
PolarBear	AGACTTTTAAGGTATGATGTTTAATGCTTTTAGTT---ATT-----								16522
Cow	AGA-TTT-CTGTGTGAAATTCAGTACCTTTGGTT---ATTTGACTTTTT-----								47028
Dog	GGACTTTTAAAGTATGTT-----TA----T-----ATT-----								44292
BelugaWhale	AGACTTC-AGTGTACGAAGTTCAGTCCCTTTGGTA---ATTTGACTTTTA-----								43344
Donkey	ATACTTT-AAGGTATGAAGTTC AATGCCTTTGGTT---ACTTGACTTTTT-----								49134
Cat	AGAGTTTTAAGGTATGTT---TAATACCTTTAGTT---ATTAATAACTAA-----								50353
Ferret	AGACTTT-AAAGTATGATGTTTAATGCCTTTAGTT---ATT-----								51420
Lion	AGAGTTTTAAGGTATGTT---TAATACCTTTAGTT---ATTAATAACTAA-----								48069
Vaquita	AGACTTC-AGTGTACGAAGTTCAGTCCCTTTGGTA---ATTTGACTTTTA-----								44021
Pig	AGACTTT-AGTGCATGAAATTCAGTGCCTTTGGTT---ATTTGACTTTTTTTTTTTTTTTTTTTTTTTTGTCTTTTTAGGGCTG								40535

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Majority	64010	64020	64030	64040	64050	64060	64070	64080	
Human	AGAAAATATCTGCTCTTCTTTCTTTTTACTTAGATTTTTTGCATTTTTAACTTATTTTTAACAAATAATTGTTTATACT								50699
PolarBear	-----								16522
Cow	-----								47028
Dog	-----								44292
BelugaWhale	-----								43344
Donkey	-----								49134
Cat	----- AATTAGAA-----								50361
Ferret	-----								51420
Lion	----- AATTAGGA-----								48077
Vaquita	-----								44021
Pig	TACCTGCAGCATATGGAGGTTCCCAGGCTAGGGGGCGAATTGGAGCTATAGCTGCCGGCCTACACCACAGCCATAGCAGT								40615

Majority	64090	64100	64110	64120	64130	64140	64150	64160	
Human	TATGGTGTACAATGTGATGTTTTAATACATATATATTATGGAATGATCAAATCTGGCTGGTTAACATATTCATCTCTTCA								50779
PolarBear	----- T- - GAC-----								16526
Cow	-----								47028
Dog	----- T- - GAC-----								44296
BelugaWhale	-----								43344
Donkey	----- T-----								49135
Cat	----- ATAAAAATGTTAGAAATAAAA-----								50382
Ferret	----- TTATAAC-----								51427
Lion	----- ATAAAAATGTTAGAAATAAAA-----								48098
Vaquita	-----								44021
Pig	GCCAGGTCAGAGCCGAGTCTGACCTATACACCACAGCTCATGGCGACGCCAGATCTTTAACCCACTGAGTGAGGCCAGGG								40695

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Majority	----- TTTXTATAGGX----- CAT								
	64170	64180	64190	64200	64210	64220	64230	64240	
Human	GTACTTACAATTTCTTTATGGTAAGAACATTTAAAATTCTTTAGCTATTTTGGAAGTATACAGTGGAATGTGGAAAAAC								50859
PolarBear	----- TTTTTATAGGT----- CTT								16540
Cow	----- AT								47030
Dog	----- TTTGTATAGGT----- CTT								44310
BelugaWhale	----- AT								43346
Donkey	----- AT								49137
Cat	----- ATATTTCTATAAGAAA----- CCT								50401
Ferret	----- TTTTTATAGGA----- CTC								51441
Lion	----- ATATTTCTATAAGAAA----- CTT								48117
Vaquita	----- AT								44023
Pig	ATCGAACCTGCATCCTCATGGATGCTTGTGAGATTTCGTGTCTGCTGAGCCATGACAGGAACTCCTTATTTGACTTTTTAT								40775

Majority	AGGTCTTA- ATTTCTTATGGAAAAATTXTTATTGAAGATGTGTTA- ATGGTTTTCC- - TGGGGGXGGG- - - X- - - - XGA								
	64250	64260	64270	64280	64290	64300	64310	64320	
Human	TGTTTTCTCTGCTCACACCACAACAATCAACACAGAAGGCTTCTGTGGCCTCAAATGTGGGGGAATTTTTTTCCACGC								50939
PolarBear	AGGTT- - - - - TCTCATGGAAATATTTTTATTGAAGATGTGTTA- ATGGTTTTCT- - TTGGGGGG- - - - -								16596
Cow	AGGTTTTA- ATTTCTTATGGATAAATTCCTATTAAAGATGAATTA- ATGATTTTC- - - TTGG- - - - - AG- - - - GGA								47092
Dog	AGGTT- - - - - TC- - ATGGAAGAATTTTTACTGCAGATGTGTTT- ATGGTCTTCC- - TGGAGGAAGCAAT- - - - -								44369
BelugaWhale	AGGTCTTA- ATTTCTTATGGAAAAACTCCTACTGAGGATGTGTTA- ATGGTTTTCC- - TGGGGGGGGG- - - - - A								43411
Donkey	AGGTCTTA- ATTCCTTATGGAAAAATTCCTATTGAAGATATGTTA- ATGGTTTTCC- - TGTGGGGA- - - - - A								49200
Cat	AAGACCTATAGGTCTTATGGAAATATTTTTATTGAAGATGTGTGA- ATGGTTTTCT- - GGTGGGAGTGGGGGTGTTTGGG								50478
Ferret	AGGTT- - - - - TCTCATGGAAATATTTTTATTGAAGATCTGTTA- ATGGTTTTCC- - TTGGGGAGGGA- - - - -								51500
Lion	AAGACCTGTAGGTCTTATGAAAATATTTTTATTGAAGATGTGTGA- ATGGTTTTCT- - GGTGGGAGTGGGGGTGTTTGGG								48194
Vaquita	AGGTCTTA- ATTTCTTATGGAAAAACTCCTACTGAGGATGTGTTA- ATGGTTTTCC- - GGGGGGGGGG- - G- - - - GGA								44092
Pig	TGGTCTTA- ATTTCTTGTGGAAAAATTCCTGTTGGAGATATGTTA- ATGGTTTTCC- - TTTGGGATGTCCAG- - - - GGG								40846

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Majority  AATGTAAG- AATTGAGAATATATG- - - AATATATTTATTXATTTTTTAAAAATGTGATGTAGAAGATA- - - CTAATTATT
           |           |           |           |           |           |           |           |
           64330     64340     64350     64360     64370     64380     64390     64400
Human     CAAGCAAGCAGTCAGGCTGCAGTGTTCTCCAACCTTAGCTCAGTTTCAACACTGTCTGCCGGGAGATAGCATCAGATCCC  51019
PolarBear - ATGTAAG- AATTGAGAATATATG- - - AATATATTGATTTGTTTTTAAAAATGT- - - - AGAAGATA- - - CTGAGTATT 16663
Cow       AATAAAAG- AATTGAGAATATATG- - - - A- - - ATGTGTT- ATCTTTTAAAAATGCAAGGTAGAAGTTT- - - CTAGTTATT 47160
Dog       - ATGTAAG- AATTGAAAATATATG- - - AATATTTTGATTTATTTTTTAAAA- TGTGATATAGAAGATA- - - TTAATTATT 44440
BelugaWhale AATGTAAG- AATTGAGAATATTTGTTGAGAATATGTGTTGATCTTTTTAAAAATGTGATGTAGAAGATA- - - TTAATTATC 43487
Donkey    AATGTAAG- AAGGGAGAATATATG- - - - A- - - ATGTATGGATCTTTTTAAGCATGTGATGTAAAAGACA- - - TTAATTATT 49269
Cat       AATGTAAG- AATTGAGAATGTATG- - - AATATATTGA- - - ATTTTTTTTAAAG- TGTGATGTAGCAGATA- - - CCAATTATT 50547
Ferret    - ATGTAAG- AATTGAGAGTATATA- - - AATATATTGATGTATTTCTTAAAAATGTGATGTAGAAGATA- - - CTAATTATT 51572
Lion     AATGTAAG- AATTGAGAATATATG- - - AATATATTGA- - - ATTTTTTTTAAAG- TGTGATGTAGAAGATA- - - CCAATTATT 48263
Vaquita AATGTAAG- AATTGAGAATATATGTTGAGAATATGTGTTGATCTTTTTAAAAATGTGATGTAGAAGATA- - - TTAATTATC 44168
Pig      GATTCAAG- AATTGAGAATATGTG- - - - A- - - ATGTATTGATTTTTTAAAAACGTGATATGGAAGATA- - - CTG- - - - TT 40911

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Majority  TAAAATTAATATTT- - - TTTTXAAAAAGTAX- - TATAAGA- ATGGTTTTAGACCT- - - AAATACA- TAGXATTGCAXT
           |           |           |           |           |           |           |
           64410     64420     64430     64440     64450     64460     64470     64480
Human     ACAGGTTGAGGGCTCAGTCCCACAAGATCTCCTGAGACACCAGCAAGTCAGGCCTCTGAACTTCTGATTGACCAGCTTC  51099
PolarBear TAAAATTAATATAT- - - T- - - - - - - - - - - TTTA- - - - ATGGGTTTATACCT- - - - AAATATA- TAGCATTGCAGA 16715
Cow       TAAAATTAATGTTT- - - CTTTAGAAAAAGTATCATAGAAGA- GTGGTTTTAGATAT- - - - AAACACT- TAGGATTGCAGT 47230
Dog       TAAAATTAATATAT- - - TTTTTTAAAAATGG- - TATAAG- - AACGGTTTAAAGCCT- - - - AAATACATAGAGCATTGCAAG 44509
BelugaWhale TAAAATTATT- - TT- - - TTTAGAAAAAGTAT- - - - - AAGA- ATGGTTTTAGATCT- - - - AAGTATA- TAGGATTGCAAT 43550
Donkey    TAAAATTAATATAT- - - - - TAAAAAAATAG- - TATATGA- ATGGCTTTAGACCT- - - - AAATAGG- TAGGGCTGCAAT 49334
Cat       TAAAATTAATATGTATATATTTTTTTAAATAG- - TATAGGA- ATGATTTTAGACCT- - - - AAAAAACA- TAGCATTTAAGG 50618
Ferret    TAAAATCAATATTT- - - TAA- - - AAAAGTAA- - TATAGGA- ATGGGTTTATACCT- - - - AAATACA- GAGCATCACAGG 51637
Lion     TAAAATTAATATGTATATATTTTTTTAAATAG- - CATAGGA- ATGATTTTAGACCT- - - - AAAAAACA- TAGCATTTAAGG 48334
Vaquita TAAAATTATT- - TT- - - TTTAGAAAAAGTAT- - - - - AAGA- ATGGTTTTAGATCT- - - - AAATACA- TAGGATTGCAAT 44231
Pig      TAAAATTAATATTT- - - TTTAGAAAAAGTAT- - - - - AAGA- ATGGTTTTAGATAC- - - - AAATTCA- TAGGATTACAAT 40976

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Majority	AA- - - TGGTCTAAAACTTTAGCTCTTTAATATAGTTTTAGCTAATTATAT- XTTTCTGTTTCAGTAAAATCTAAA-								
	64490	64500	64510	64520	64530	64540	64550	64560	
Human	AAGTTGGGTTCCCACAACCCCTTTTTGGATTTCATTAATTTGCTAGA- GCAGCACACAGAAGCTCAAGGAAACATTTAC								51178
PolarBear	AA- - - TGGTCAAAAATCTTTAGCTCCTTTAATATAGTTTTAGCTAACTAT- - - CTTTCTGTTTCGGGAAGATCTAAA-								16787
Cow	AAACAGTGATATAGAAACTTTAGCTCTTTAATGTAGCTTTTAGCTAATTTTA- - - - TCTGTTTTAGTAAAATATAAAG								47305
Dog	AA- - - TGGTCTAAAAATTGTAAGCTCTTTAATACAGTTTTAGCTAATTATATCTTTTCTGTTTCAGTAAATATCTAAA-								44584
BelugaWhale	AAAAACTGGGCTAAAA- - - - - GCTCTTCAAATGTAGTTTTAGCTAATTATA- - - - TCTGTTTTAGTAAAATCTAAA-								43618
Donkey	AA- - - TGATCTAAAACTTTAGCTCTTTAATATAGTTTTAGCTAATTATAT- CTTTCTGTTTCAGTAAAATGTAAA-								49408
Cat	AA- - - CGGT- - - - - CTTTTAGCTCTTTAATACAGTTTTAGCTAATTGTATGTTTTATGTTTCAGTAAAATATAAA-								50687
Ferret	GA- - - AGG- - AAAAC- - T- AGCTCTTTAATATAGTTTTAGCTAATTATATCTTTTCTGTTTCAGTAAAATCTAAA-								51707
Lion	AA- - - TGGT- - - - - CTTTTGGCTCTTTAATACAGTTTTAGCTAATTATATGTTTTATGTTTCAGTAAAATATAAA-								48403
Vaquita	AAAAACTGGTCTAAAA- - - - - GCTCTTCAAATGTAGTTTTAGCTAATTATA- - - - TCTGTTTTAGTAAAATCTAAA-								44299
Pig	AAAAACTGTTCTAAAAACTTGAGCTCTTTAATGTAGTTTTAGCTAAGTATAC- - TTTCTGTTTTAGTAAACT- - - - -								41048

Majority	CTATXTCTGGCXXTTGTCTTA- - GAAAATXTAATGGAA- AATAATTCCTCA- - TAGATTTT- AACCTTCA- - TAAAAAG								
	64570	64580	64590	64600	64610	64620	64630	64640	
Human	TGAGATTTACTAGTTTATTATATAGGATATTA AAAAGGATAATAAGCCTCTAATCATGCCTTGATCTTTCAGGTGACCAG								51258
PolarBear	CTATATATGACCCTTGTCTTATTGAAAATGTAATGGAG- AATAACTCCTCA- - TAGATTTT- AACCATCA- - TAAAAAG								16861
Cow	CTGTGTCTGGC- TTCTGCCTT- - - - - AG- - CAAATGGAA- AATAAT- CCTCA- - CAAAATTT- AACCTTTG- - TAGAAAA								47370
Dog	CTATATTTGGCTCTTGTCTT- - - GAAAATGTAGTGGAA- TGAATTCCTCA- - TAGATTTT- AACCATCA- - TAAAAAG								44655
BelugaWhale	CTGTGGCTCTT- - - - - ATCAA- - - - - AAATTAATGGAA- AATAATTCCTCA- - TAGATTTT- AATCTTTG- - TAAAAAA								43682
Donkey	CTGTACCTGGC- - TCTGTCTCACTGAAAATTTAATGGAA- AATTATTCCTTA- - TAGATTTT- AACCTTTG- - TAAAAAG								49480
Cat	CTAT- - CTGGCTGTTTGTCTTACTGAAAATGTAATGGAA- AATAATTCCTCA- - TATATTTT- AACCTTCA- - TAAAAAC								50759
Ferret	GTATGTCTTACTCTTGTCTTACAGAAAATGTCATGGACTAATAATTCCTCA- - TAGATTTTTAACCATCA- - TAAAAAG								51783
Lion	CTAT- - CTGGCTGTTTGTCTTACTGAAAATGTAATAGAA- AATAATTCCTCA- - TATATTTT- AACCTTCA- - TAAAAAC								48475
Vaquita	CTGTGGCTCTTGTCTTATCAA- - - - - AAATTAATGGAA- AATAATTCCTCA- - TAGATTTT- AACCTTTG- - TAAAAAA								44368
Pig	CTGTCTCTGGT- TCATGTTGA- - - - - AAATTAATGGAA- AATAATTCCTTA- - TGGATTTT- AACCTTTG- - TAAAGAA								41116

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Majority	----- TTTAATTTGXTAXTA-----								
	64810	64820	64830	64840	64850	64860	64870	64880	
Human	AGTAGTTGCCATGCTGTGCGGTAGATCACCAGAACCTATTCTTCCTGTCTGAAACTTTGTA- CCATCATCACCC								51497
PolarBear	----- TTTAATTTGATAATA-----								16971
Cow	----- TTTAAGTTTGGTA-----								47477
Dog	----- TTTAATTTGACAATA-----								44753
BelugaWhale	----- A----- AATTTGATA-----								43781
Donkey	----- TTTAATTTGGTA-----								49587
Cat	----- TTTAATTTGGTAATA-----								50863
Ferret	----- TTTAATTTGCTGTTA-----								51896
Lion	----- TTTAATTTGGTAATA-----								48579
Vaquita	----- A----- AATTTGATA-----								44466
Pig	CTGGGTTACAGGATCTGTTGTTGCCAGCTGTGGCATAGGTTGCAAGTGTGGCGTGAGTTCATTTGATCCCTGGCCTAGG								41331

Majority	----- ATTTTCATTA----- CTTTTGAACCAGAAGTTGTA-CTTCTAAGA								
	64890	64900	64910	64920	64930	64940	64950	64960	
Human	CTTCCCTGTTCACTCCTCCCTCCCCAGCCTCTGGTGACTATTTTCTACTCTCTACTAATGTGAGTTCAGCTTTTT- TA								51576
PolarBear	----- ATTTTCATTA----- CTTTTGAACCAGAAATTGTA-CTTCTAAAA								17010
Cow	----- ATTTTCGTTA----- CTTTTGAACCAGAAGTTGTA-CTT-----								47510
Dog	----- ATTTTCATTA----- CCTTTGAACCAGAAATTATGCTTCAAAAA								44792
BelugaWhale	----- ATTTTCATTT----- CTTTTGAACCAGAAGTTGTA-CTTCTCAGA								43820
Donkey	----- ATTTTCGTT----- CTTTTGAACCAGAAGTTGTA-CTT- TAAGA								49625
Cat	----- ATTTTCATTC----- CTTTTGAACCAGAAATTGTA-CTTCTAGGA								50902
Ferret	----- ATTTTATTA----- CTTTTGAACCAGAAATTGTA-CTTCTAAAA								51935
Lion	----- ATTTTCATTC----- CTTTTGAACCAGAAATTGTA-CTTCTAGGA								48618
Vaquita	----- ATTTTCATTT----- CTTTTGAACCAGAAGTTGTA-CTTCTCAGA								44505
Pig	AACTTTCACATGCTGCGAGTGCAGCAAAAAATATATTTTTTTTAAAAATTTCTTTTGA-CTAGATGTTGTA-CTCA- - - GA								41408

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Majority	ATTTATCATGAGGAAATATACCAAAGAAAA- T- - - TATTCTATATTCXTTTTACTTAG- - - - - AAT- - - - - T								
	64970	64980	64990	65000	65010	65020	65030	65040	
Human	GATTA- CATATGTAAGTGAGATAATGTGTTATTTGTCTTTCTTTGTTTGACTTATTCACCTTAGCACACACAGTGTCTCT								51655
PolarBear	ATTTATCTTT- GGAAATATACTAGAAGAAAA- - - - TATTCTATATTCATTTTACTTAG- - - - - AAT- - - - - T								17067
Cow	- CTTAA- - - - - AATTTTATCAAAGGAAAA- TGCCTATTCTCTATTCTTTTTACTT- - - - -								47558
Dog	ATTTATCATT- GGAAATATACCAAAGAAAA- - - - TCTTCTATACTCATTTTACTTAT- - - - - AAT- - - - - T								44849
BelugaWhale	ATTTATCATGAGGAAATATACCAAAGAAAA- TATGTATTCTCTATTCTTTTTACTTAG- - - - - AGT- - - - - T								43882
Donkey	ATTTATCGTGAAGAAATATGCCAAAGAAAA- TAGCTATTCCATGTTCTTTTTATTTAG- - - - - AAT- - - - - T								49687
Cat	ATTTATCATGAGGAAATATGCCAAAGGAAGA- - - - TATTCTATATTTATTTTACTCAG- - - - - AAT- - - - - T								50960
Ferret	ATTTA- CATT- GGAAATATTCTAAAAGAAAA- - - - TACTCTGTTTTCATTTTACTTAG- - - - - AAT- - - - - T								51991
Lion	ATTTATCATGAGGAAATATGCTAAA- - - AGA- - - - TATTCTATATTTATTTTACTCAG- - - - - AAT- - - - - T								48673
Vaquita	ATTTATCATGAGGAAATATACCAAAGAAAA- TATGTATTCTCTATTCTTTTTACTTAG- - - - - AGT- - - - - T								44567
Pig	ATTTAGCATAAGGAATAATACCAAAGAAAAATGTCTATTCTGTATTCTTTTTACTTTA- - - - - AGT- - - - - T								41471

Majority	TAAAATGGCATTTTAATATCCCAATTTTATTTT- - - - ATATXTTAGTATTTT- CAGTAAAGTAA- - - - -								
	65050	65060	65070	65080	65090	65100	65110	65120	
Human	TAAAATGACATTTTAATATCCCATTTCTAGTTCGTTATTATTTAAGTAATTTGCAAGTACATTCTCATTTTAAAAGATTAA								51735
PolarBear	TAAAATGGTATTTA- TATTTTCAGTTTTATTTT- - - - ATATGTTAGTATTTT- TAGTAAAGTAA- - - - -								17124
Cow	- AAAGTGGCATTTTAATATCCCAGTTGGGTTTA- - - - ACATATTAATATTTT- CAGTAAAGTAA- - - - -								47615
Dog	TAAAATGGCATTTTAGTATTTCAATTTTATTTT- - - - ATATGTTAGTATTT- - TAATAAGGTAA- - - - -								44906
BelugaWhale	TAAAATGGCATTTTAATATCCCAATTTTATTTT- - - - ACATGTTAGTATTTT- CAGT- - - - AA- - - - -								43935
Donkey	TAAAATGGCATTTTAATATCCCAATTTTATTTT- - - - ATATATTAGTATTTT- CAGTAAAGTAA- - - - -								49745
Cat	TAAAATGGCATTTCAGTATTTCAATTTTATTTT- - - - ATATATTAGTATTTT- TAGTAAAGTAATTTTATTTATATATTAG								51034
Ferret	TAAAATGGTATTTA- TATATCAATTTTATTTT- - - - ATATATTAGTATTTT- TAGTAAAGTAA- - - - -								52048
Lion	TAAAATGGCATTTCAGTATTTCAATTTTATTTT- - - - ATATATTAGTATTTT- TAGTAA- - - - -								48725
Vaquita	TAAAATGGCATTTTAATATCCCAATTTTATTTT- - - - ACATGTTAGTATTTT- CAGT- - - - AA- - - - -								44620
Pig	AAAAATGGCATTTTGACATCCCAGTTTTATTTT- - - - ACATGTTAGAATTTT- CAGT- - - - AA- - - - -								41524

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Majority	----- TTAGTGAA- - TGCATTCTCATTTTAAAAGATTCCAATGXAAA- - - - GAACATGAAAAGGATA								
	65130	65140	65150	65160	65170	65180	65190	65200	
Human	ACGAAAGGAACATGTA	AAAGAATAAAGCTGGGGGCTGGGCTTGGTGGCTTATACTGGTAATCCCAGCACTTTGGGAGGCTG							51815
PolarBear	-----	TTCATGAA- -	GATATTCTCATTTTAAAAGCTTCCAATGGAAG- - - -				GAACATGAAAAGGATA		17180
Cow	-----	TTAGTGAA- -	TTCATTCTCATTTTAAAAGATTGAAATTAATA- - - -				GGATGTTGAAAGGACA		47671
Dog	-----	TTCATGAA- -	TGCATTCTCATTTTAAAAGCTTCCAGTGCAAA- - - -				GATCATGAAAAA- ATA		44961
BelugaWhale	-----	TTAGTGAA- -	TGCATTCTCATTTAAAAGATTCAAATGAAAA- - - -				TGATGTGGAAAGAATA		43991
Donkey	-----	TTCATGAA- -	TATATTCTTTTTTTTATTGAGTTCATAATAGT- - - -				TTATATCATTGT- - - -		49797
Cat	TATTTTTAGTAAAGTAATTTGTGAA- -	TGCATTCTCATTTTAAAAGATTCCATTGCAGG- - - -					GAACATGAAAAA- - - -		51103
Ferret	-----	TTCATGAA- -	GGCATTCTCATTTTAAAAGCTTCCAATGCAAG- - - -				GAACATGAAAAGGATA		52104
Lion	-----	TTTGTGAA- -	TGCATTCTCATTTTAAAAGATTCCATTGCAGG- - - -				GAACATGAAAAA- - - -		48777
Vaquita	-----	TTAGTGAA- -	TGCATTCTCATTTAAAAGATTCAAATGAAAA- - - -				TGCTGTGGAAAGAATA		44676
Pig	-----	TTAGTGAA- -	TGCATTCTCATTTTAAAAGATTGAAATGAAAA- - - -				TGATGTGTACAGGACA		41580

Majority	A- - - AGATAAGGCATCTATAGAXAGATGTATGTA- - - - - GGGGAX- - - - - GGGGATTTX- - - TAATTTTAAATAGG								
	65210	65220	65230	65240	65250	65260	65270	65280	
Human	AGGCGGGTGGATTACCTGAGGT	CAGGAGTTCAAGACCCGCCTGACCAACATGGT	GAAACCCTGAGTCTACTAAAAATACA						51895
PolarBear	A- - -	AGATAAGGCATCTTTA- - - - -					T- - - - -	AATCTTAAATAGG	17211
Cow	A- - -	AGAAAAACATCTGTAGATAGATGTCTGTGG- TGGGGTGTGGAG- - - - -				GGGGCCTTG- - -		TAATTTCAAATAGG	47738
Dog	A- - -	AGATAAGGCATCTATAGACAAATGTATGTA- - - - -		AGGAAA- - - - -		GGGTATTTA- - -		TAATTTTAAATAGG	45021
BelugaWhale	A- - -	AGATAAGGCATCTGTAGATAGATAGATAGATATATGTAGGGGAG- - - - -				GGGGATTTG- - -		TAATTTCAAATAGG	44059
Donkey	-----	GAAAGTTCAGTTGTA- - - - -				CA- - -		TTATTTCTTGTCTG	49828
Cat	-----	AGATAAGGCATCTATAGACAAATGCATGTA- - - - -		AGGGAA- - - - -		GGGGATTTA- - -		TAATTTTAAATAGA	51162
Ferret	A- - -	AGATAAGGCATCTTTA- - - - -				TTTA- - -		TGATCTTAAATAGG	52139
Lion	-----	AGATAAGGCATCTATAGACAAATGCATGTA- - - - -		AGGGAA- - - - -		GGGGATTTA- - -		TAATTTTAAATAGA	48836
Vaquita	A- - -	AGATAAGGCATCTATAGATAGATACATAGATATATGTAGGGGAG- - - - -				GGGGATTTG- - -		TAATTTCAAATAGG	44744
Pig	A- - -	AGACAAGGCATCTATAGATAGATGTATGTA- - - - -		GGGGAG- - - - -		GGGGATTAG- - -		TAATTTTAAATAGG	41640

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Majority	ATAACCAGTGAAAGCCCCATGAACA- AGTGACATTTGA- - GTAACAA- - - - ACTTCAAAGTGATTAGXAAATAAAT- CA								
	65290	65300	65310	65320	65330	65340	65350	65360	
Human	AAAAAAAAAAAAAAAAATTAGCCAGGCATGGTGCCAGGTGCCTGTAATCCCAGCTACTTGGAGGCTGAGGCAAGAGAGAATTG								51975
PolarBear	ATAAACAGCGAAAGCCCCATGAAGA- AGTGACATTTGA- - GTAACAA- - - - ACTTTAAAGTGGTTAGGAAATAAACGCA								17283
Cow	ATAACCAGTGGAAGCCTGATTGACA- AGTGACATTTGA- - GTAACAA- - - - ACCTCAGAA- - ATTAAGAGTAAAA- CA								47807
Dog	ATAAACCATGAAATCTCCATGAAGA- AGTGACATTTGA- - GTAACACTAATCACTTCAAAGTGATTAGGAAGTAAATGCA								45098
BelugaWhale	ATAACCAGTGGAAGCCCCAACCAACA- AGTGACATTTGA- - GTAACAA- - - - ACTTCAAAGTGATTAGAGAATAAGG- TA								44130
Donkey	TCACCACATAATGCTCCTCTTTACC- CCCTGTGTCCAC- - CCCTCACCCCCCTTCCCTTGGTAACCACTGAAGTGTTTTC								49905
Cat	ATACTTAGTGAAAACCCCATGAACA- GGTGACATTTCA- - GTAACAA- - - - ACTTCAAAGTGATTTGGAAATAAATACA								51234
Ferret	ATAAACAGTGAAAGCCCCATGAAGA- AGGGACATTTGA- - GTAACAA- - - - ACTTAAAAGTGGTTAGGAAGTAAATGTA								52211
Lion	ATACTTAGTGAAAACCCCATGAACA- GGTGACATTTCA- - GTTACAA- - - - ACTTCAAAGTGATTTGGAAATAAATACA								48908
Vaquita	ATAACCAGTGGAAGCTCAACCAACA- AGTGACATTTGA- - GTAACAA- - - - ACTTCAAGGTGATTAGAGAATAAGG- CA								44815
Pig	CTAACAAGTGAAAGTCCTATTAGGA- AGTGATATTTAG- - GGAGCAC- - - - ATTTCAAAGTGGTTGGAGAATAAC- - CA								41710

Majority	CTTA- - - - - TTCTGGTCTG- GGTTA- - - - - TTCCAG- - - - ACATAGGGAACAATCAATGCAA- AG								
	65370	65380	65390	65400	65410	65420	65430	65440	
Human	CTTGAACCCGGGGGGTGGAGCTTGCGGTGATCCCAGATGCGTCACTGCACTCCAGCCTGGGTGACAG- - AGCGAGACTC								52053
PolarBear	CTTA- - - - - TTTTGGTCTG- GGTTA- - - - - TTCCAG- - - - ATTCAGGGAACAATCAATGCAA- AC								17332
Cow	CTTA- - - - - TTACAGTTTT- GGTTA- - - - - TTTTGT- - - - ACATAGGGAATAATCAGTGCAA- CG								47856
Dog	CTTC- - - - - TTCTGACCT- - GGTTA- - - - - TTCCAG- - - - AAATAGGGAGC- - - - AATGCAA- AG								45142
BelugaWhale	CTTA- - - - - CTGCAGTCTT- GGTTAT- - - - - GTTCCAG- - - - ACATAGGGAGCAGTCAGTGCAAG- TG								44181
Donkey	TTTG- - - - - TCCATGTGTTT- GTTTAT- - - - - ATTCCAC- - - - ATATGAGTGAAA- TCATNNNNNNNN								49957
Cat	CTTA- - - - - TTCTGGCCTG- GACTA- - - - - TTCCAG- - - - ACATAGGGAACAGTCAATGCAACAG								51284
Ferret	CTTA- - - - - TTCTGGTCTA- GGTTA- - - - - TTCCAGGTAGATATAGGGAACGATCAATGCGA- AG								52264
Lion	ATTA- - - - - TTCTGGCCTG- GACTA- - - - - TTCCAG- - - - ACATAGGGAACAATCAATGCAACAG								48958
Vaquita	CTTA- - - - - TTGCAGTCTT- GGTTAT- - - - - GTTCCAG- - - - ACATAGGGAGCAGTCAGTGCAA- TG								44866
Pig	CTTAGT- - - - - AATTACAGTTTG- GATTA- - - - - TTCCAG- - - - ACACAGGGGACAATCAATACAG- TA								41763

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Majority	TTGCTTCTGTTGA- - - - - AAAAAAXAATXXAACAGCC- - - - - ATGTTTTTG- - - - -								
	65450	65460	65470	65480	65490	65500	65510	65520	
Human	TATCTCAAAAAAAAAAAAAAAAAAAGAGTAAAGCTGAGGCCTACACATGGATGGATGTGGAGGAGGGGCACTTAGG								52133
PolarBear	TTGCTTCTCTTGG- - - - AAAAAAAAAAAACCAAAAAAAC- - - - - CTGGTTTT- - - - -								17375
Cow	TTCCTTCTGTTGA- - - - - AAAAAAGGTT- - - - ACAGCC- - - - - ATATTTTTG- - - - -								47894
Dog	TTGCTTCTGTTGA- - - - - AGAAAACCTGGTTTTGTAGCC- - - - - ATAATTTTTG- - - - -								45185
BelugaWhale	TTC- TTATGTTGA- - - - - AAAAAATTTTTTTGACAGCC- - - - - ATATTTTTG- - - - -								44222
Donkey	NNNNNNNNNNNNNN- - - - - NNNNNNNNNNNNNNNNNNN- - - - - NNNNNNNNN- - - - -								49999
Cat	TTGCTTGTGTTGG- - - - - GAAAACAAAACAAAACAA- - - - - TTGTTTTTGCAG- - - - - CCGTATTT								51335
Ferret	TTGCTTCTGTTGGGGGAAAAAAAAACAAACAAAAAAC- - - - - TTGGTTTTGCAG- - - - - CCATATAT								52323
Lion	TTGCTTGTGTTGG- - - - - GAAAACAAAACAAAACAA- - - - - TTGTTTTTGCAG- - - - - CCATATTT								49009
Vaquita	TTC- TTATGTTGA- - - - - AAAAAATTTTTTTGACAGCC- - - - - ATATTTTTG- - - - -								44907
Pig	CTCCTTCTGTTGA- - - - - AAAAACTTTTTCTGACAGCC- - - - - GTGTTTTTG- - - - -								41805

Majority	- - - ATTTTCAGAAGCCCTTT- - - - - X- TTTTTTGATAATCTTTTTTA- - GTTGC- - - - AXTTGGTCA- XXXXX- - X								
	65530	65540	65550	65560	65570	65580	65590	65600	
Human	ATGACTAGTGGAAGCCCCATTGAGAGGGGATATTTGAATAATGAACTTCAAAGTGGTTAGGGAATAAGCCACTTATTCCA								52213
PolarBear	- - - - -								17375
Cow	- - - ACTTAAAAAATTCTT- - - - - CTTTGATAGCCTTTTTAT- - ATTAC- - - - ACCTGGTCA- - - - -								47942
Dog	- - - GTTTTCAGAAGCCCTTT- - - - - AATCTTTTCTGATCATCTTTTTTAATATTAC- - - - AATTGGTCA- TGTTTTAT								45250
BelugaWhale	- - - ATTTTCAAAGTTCTT- - - - - TTCTTTGATACCCTTTTTAC- - CTCGT- - - - AGTTGGTCA- - - - -								44272
Donkey	- - - NNNNNNNNNNNNNNN- - - - - NNNNNNNNNNNNNNNNNNN- - NNNNN- - - - NNNNNNNNNNGGTGCCAT								50057
Cat	TTAATTTTCAGAAGCCCTTT- - - - - AATCTTTTTTGTATAATCCTTTTTAG- GTTAC- - - - AATTGGTCAGTGTTTTGT								51403
Ferret	TTAGTTTTTCAGAAGCCCTTT- - - - - AATCTTTTCTGATCATTTTTTTTA- TGTTGC- - - - AGTTCATCA- TGTTTTAT								52390
Lion	TTAATTTTCAGAAGCCCTTT- - - - - AATCTTTTTTGTATAATCCTTTTTAG- GTTAC- - - - AATTAGTCAGTGTTTTGT								49077
Vaquita	- - - ATTTTCAAAGTTCTTC- - - - - TTTTCTTTGATACCCTTTTTAC- - GTCGT- - - - AGTTGGTCA- - - - -								44960
Pig	- - - ATTTTCAAATCTCTTT- - - - - TTCTTTGATCATCCTTTTTA- - ATTGC- - - - AGTTAGTCA- - - - -								41856

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Majority	XXTT-----CTTTAAGGA-----TACTAATTAATAA-----TATT-TT-----AA-AA								
	65610	65620	65630	65640	65650	65660	65670	65680	
Human	GACAGAAGGAATAATCAATGCAAAGTTCCTTCTGTTGAAAAAATGCTTTTATAATTTTATTTTTCATCTTCTAAAGCCC								52293
PolarBear	-----								17375
Cow	--TT-----GTTTATGGA-----TACTAATTAATGG-----TATT-TT-----TA-AA								47976
Dog	TATTTTACAGTTCTTTAAGG-----TACTAATTAACAA-----TATT-TT-----AAAAGA								45295
BelugaWhale	--TT-----CTTTACAGT-----TACTAATTAATG-----TATT-TT-----AA-AA								44305
Donkey	GTCTG-----CGCCCAGGA-----TCTGAACCAGCAAA-----ACC-CC-----GGGA								50094
Cat	GATTTTACAATTCTTTAAGGA-----TACTACTAATTAATAGTATTTT-TAAAAATACCTCACTCTATCTAAATTAT								51474
Ferret	GATTTTCATAGTTCTTTAAGGA-----TTCGAATTAACAGTGCTTTGTT-TTATTATTTATTTATTAGTTTAAAAAAA								52461
Lion	GATTTTACAATTCTTTAAGGA-----TACTACTAATTAATAGTATTTT-TAAAAATACCTCACTCTATCTAAATTAT								49148
Vaquita	--TT-----CTTTACAGT-----TACTAATTAATGG-----TATT-TT-----AA-AA								44994
Pig	--TT-----CTTTACAGT-----TAATAATTGT--A-----TTTT-TT-----AA-AA								41888

Majority	TAC---TT---XGCTAXATCTTTT---ATTTTCTTTAGTATTAGCTAXTATGTTTATC-----TTGTTCT-GTTTA								
	65690	65700	65710	65720	65730	65740	65750	65760	
Human	TTCAGTCTCCTTTGGTCATCTTTTTTTTGTAGTTGGTTATGCCTTAACAACAGTACTTTGAGGATACTAGTTACAGTATT								52373
PolarBear	-----								17375
Cow	CAC---TC---TGCT--ATCTTTT---ACTTTCCTTAGTATTAGCT-----GTTTATC-----TTGCTCT-CCTC-								48029
Dog	TAC---TAT---ATGTTAATTATCTT---ATTTTCTTCAGTGTTAGCTATTATGT-----TTGTCTT-GTATA								45353
BelugaWhale	TAC---TT---GACT--ATCTTTT---ACCTTCTTTAGAATTAGCTGTTATGTTTATC-----TTGTTCT-CTCTA								44364
Donkey	CACTGAAGC-AGAGCTCACAAACTT---AACCACCTCCGCCACAGGCCAGCCCCTGT-TT-----TTCTCTT-GTTAA								50160
Cat	TTCATTCTTTTCAAGTGTAGCTGTTAT---GTTTATCT-TCTGTCCATCTGTCTGTCTTCTCCTCCCCCTAGTTGT-GTTTA								51548
Ferret	TAC--TTTTAAAAAAAAAAGATTTT---ATTTATTTATTTGAGAGGGAGAAGGCGGAGTGGGGGGCGGGTGT-GCAGA								52533
Lion	CTCATTCTTTTCAAGTGTAGCTGTTAT---GTTTATCT-TCTGTCCATCTGTCTGTCTTCTCCTCCCCCAGTTGT-GTTTA								49222
Vaquita	TAC---TT---GACTGTATCTTTT---ACTTTCTTTAGAATTAGCTGTTATGTTTATC-----TTGTTCT-CTCTA								45055
Pig	TAC---TT---GACTGTATCTCCT---AATTTCGTTAGTATTAGCTATTATGTTTATC-----TTGTTCT-CTCTT								41949

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Majority	TXCATCT- - - CTTXCTCCXXCCCGCCCTAATTGTCTGTTT- - - - -	
	65770 65780 65790 65800 65810 65820 65830 65840	
Human	TAAAAAATACGTCACTATATGCTGAGTTATTTTTTTCAGTGTTAGCATTTATGTTTATCTTGTTCTCATTCTCTTCATCCC	52453
PolarBear	- - - - -	17375
Cow	- - - - - CTT CATCCCACCCGCTCTCATTGCTTGTTT- - - - -	48060
Dog	TCCATCT- - GTCTATCCCTTCTCCCCCAGTAGTCTGTT- - CAT- - - A- - - - -	45394
BelugaWhale	TTCTTCT- - - CTT CCTCCCACCCACCCTCATTGTCTGTTT- - - - -	44401
Donkey	TCTGTCTTTTGT CAGTCTAATTTAC- - - AGGCCTCAGGTGGAGAACCCTAAGATAGGGAGAGGAAGAGATTTTCCCT- - - -	50233
Cat	TATATTTTAGAATGGACAATTAGGTTTTATTGGACTGGTATGCTTTCCTCTAGAGTAAAATAAGGAGTTTGGACACTGAG	51628
Ferret	GGGAGAT- - GCAGACTCCCTGCTGAGCAAGGAGCCTGATTCCAAGCTCAATCCCAGGACCACTGAGATCATGACCTGAGC	52611
Lion	TATATTTTAGAAAGGACAATTAGGTTTTATTGGACTGGTATGCTTTCCTCTAGAGTAAAATAAGGAGTTTGGACACTGAG	49302
Vaquita	TTCTTCT- - - CTT CCTCCCACCCACCCTCATTGTCTGTTT- - - - -	45092
Pig	TCCCTGT- - - CTCCCTCCTACCCACCCTCATTGTTTGT- - - - -	41986

Majority	- - - - - ATATTT CAGAATGGACAATTAGGTTTTX- - - - TTGXAAXTTGCATGCTTTCCTCTAXAGTAAG	
	65850 65860 65870 65880 65890 65900 65910 65920	
Human	CCCTTTGTTGTCTTTTCGTGTTTCAGAATGGACAATTAGATTTTG- - - - TTAAAGTTGTATGCTTTCCTCTAGGATAAA	52528
PolarBear	- - - - -	17375
Cow	- - - - - ATATTT CAGAATGGGCAGTTAGGTTTTA- - - - CTGGACTTTACATGCTTTCCTCTAGAGTAAA	48119
Dog	- - - - - TTT CAGAATGGATAGTTAAGTTTTACTGTTTG- - GACTGGTAGGCTTTTATTACAGTAAA	45452
BelugaWhale	- - - - - ATATTT CAGAATGGACAATTAGGTTTTA- - - - TTGGA- CTTGCATGCTTTCCTCTAGAGTAAG	44459
Donkey	- - - - - TCCCT- - ACATCTCA- - TTGGACATGTGGATATAGCTAAATAGAAGACACCAGCCTG- - GGC ACTGCAAT	50297
Cat	CTCT- - GGGATCCCA- - TAAATACGAAAGAGGTCTTACTCTGGGCCTGTAAA ACTCTCTTTAGAATTTCTTTCTTTTAA	51704
Ferret	CACCCAGGTGCCCT- - AATTAACAGTATTA AAAAAAATACTTCACTATGTGTA AATTACTGAATTTCTTCACTGTTAG	52689
Lion	CT- - - GGGATCCCA- - TAAATACCAAAGAGCACCTTATTCTGGGCCTGTAAA ACTCTCTTTAGAATTTCTTTCTTTTAA	49376
Vaquita	- - - - - ATATTT CAGAATGGACAGTTAGGTTTTT- - - - TTGGA- CTTGCATGCTTTCCTCTAGAGTAAG	45150
Pig	- - - - - ATATTT CAGATTGGATGATTAGGTCTT- - - - TTGACACTTGCATGTTTTCTCTAGAGTAAG	42044

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Majority	GTAATGAG- - - - - TTAXTTGGATATTAAXCTG- - - - - GGAXXCTCTC- C- AAATGXCA- - - - XA- -	
	65930 65940 65950 65960 65970 65980 65990 66000	
Human	GTAATGAAGAGCGTTTACTAAGCTGTTACCCCCATTCCCCCAAATACCAAAGAGGCTCTTATTCTGGGTCAACAAAAC	52608
PolarBear	-----	17375
Cow	GTAAT- - - - - GAGTTGGATACTAAGCTG- - - - - GGATCCCCC- C- AAATGCCAA- - - - A- -	48163
Dog	GTAATGAG- - - - - TTT- - - GGATATTAAGCTG- - - - - GGATTCTC- C- AAATACCA- - - AAA- -	45496
BelugaWhale	GCAACGAG- - - - - GACTTGGATACTAACCTG- - - - - GGATCCCCC- CCAAATGCCA- - - - -	44505
Donkey	GTTATACG- - - - - TACTTTGGA- ATGAAAGTG- - - - - ACTAATTAGAGT- - - ATATTTTAA- - - GA- -	50346
Cat	AGGAGGAT- - - - - TTTTT- GTTTGTGTTGTTTGTGTTTAAATGATAAGGGAGAGAGATGATG- A- GGAAATGGGAGAAA- -	51773
Ferret	CTGTTAAG- - - - - TTTATCGTGTATCCATCTGTCTGCCCTTCCTCCCCAGTAGTCTATT- C- ATATTTCA- - - GAA- -	52756
Lion	GGGAGGAT- - - - - TTT- - - - - GTTGGTTTTTTTTAAATGATAAGGGAGAGAGATGATG- A- GGGAATGGGAGAAA- -	49439
Vaquita	GTAATGAG- - - - - GACTTGGATACTAACCTG- - - - - GGATCCCCC- CCAAATGCCA- - - - -	45196
Pig	GTAATAAG- - - - - GAGTTGGATACTAAGCTG- - - - - GGATTCTCC- - - AAATGCCAA- - - - A- -	42090

Majority	- - - - GAGGTCTTTATTC- - TAGGCCTGT- - - - AAAACTC- - - CXTTTAG- - - - -	
	66010 66020 66030 66040 66050 66060 66070 66080	
Human	CCCTTTAGAATTTCTGGTACCAGGCTGTGCGTGGTGGCTCACACTTGTAATCCCAGCACTTTGGGAGGCTGAGGTGGGCG	52688
PolarBear	-----	17375
Cow	- - - - GAGGTCTTTACT- - - TAGGCCTTT- - - - AAAACCC- - - TCTTTAG- - - - -	48198
Dog	- - - - AAGGTCCTTATT- - CTGGGTCAGT- - - - AAAACTC- - - CTTTAG- - - - A- - - - - AT- - - - -	45535
BelugaWhale	- - - - GAGGTCTTTATTC- - TTGGCCTTC- - - - AAAACTC- - - CTTTAG- - - - -	44541
Donkey	- - - - TAAGGTTTTA- - - - TGAACCTATA- - - - AAATATG- - - TCTTTGG- - - - -	50380
Cat	- - - - GAGGAATTTGTTTCATTAGGCAGACTTTCCATTAACC- - - CTTTGATTTTCGTCTAGGACTCTGCCAGTTTCTAAT	51846
Ferret	- - - - TTAGGTTTTACTGGTTATACTGGT- - - - ATGCTTT- - - CTTTCAGGTTAAGTAATGAGTTTGGATACCAAGCTGG	52824
Lion	- - - - GAGGAATTTGTTTCATTATGCAGACTTTCCATTAACC- - - CTTTGATTTTCATCCTAGGACTCTGCCAGTTTCTAAT	49512
Vaquita	- - - - GAGGTCTTTATTC- - TTGGCCTTC- - - - AAAACTC- - - CTTTAG- - - - -	45232
Pig	- - - - GAAGCCTTCATTC- - TTGGCCAGT- - - - GAAACTT- - - CTTTAG- - - - -	42126

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Majority	----- AGTTTCTGTTCTTTTAA----- GGGAGCATTXXGTTGTT								
	66090	66100	66110	66120	66130	66140	66150	66160	
Human	GATCACGAGGT CAGGAGAT CGAGACCAT GGT GAAACCCCGT CTGTACTAAAATACGAAAATTAGCTGGGCGTGGTGGCG								52768
PolarBear	-----								17375
Cow	----- AGTTTCTGTTCTTTTAA----- GGGGGTGTTTAGTTGTT								48232
Dog	----- TCCTG- TTTCTTT- - - TAAA----- GGGAGCATTXXGTTGTT								45568
BelugaWhale	----- AGTTTCTGTTCTTTTAA----- GGGAGTGTTTAGTTGTT								44575
Donkey	----- A----- CCATTTTTTACTCATGTCA----- AGTGTATGCACATCTC								50416
Cat	CTGACATAATGTGGCGGTTAACAGTGCAAACCCGTGTTTGTCTGTGTTCACCTAAGCTTTCTTTGTTCCCATTGTTTCCA								51926
Ferret	GATTCCCCAGAAAGGCCTGGGCCAATAGAACTCTTTAGAATTCCTCTTTCTTTAA----- GGGAGCATTXXGTTATT								52896
Lion	CTGACATAATGTGGCGGTTAACAGTGCAAACCCGTGTTTGTCTGTGTTCACCTAAGTCTTCTTTGTTCCCATTGTTTCCA								49592
Vaquita	----- AGTTTTTGTCTTTTAA----- GGGAGTGTTTAGTTGTT								45266
Pig	----- AATTTCTGTTCTTTTAA----- GGAAGCATTXXGTCATT								42160

Majority	- TTGXTTTT- GTTXXTTTATTXAATA- - ATAAAAGXGX- - - XTGXTGATGA- - - GGAGGAAGAGX- - - - - AGCTG								
	66170	66180	66190	66200	66210	66220	66230	66240	
Human	GGCGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATGGTGCAGACCCAGGAGGCGGAGCTTGCAGTGAGCCG								52848
PolarBear	-----								17375
Cow	- - - GATTTT- GTTTTTATTAAGTTG- - - - GTTGA- - - - - TGGT GAGGA- - - GGAAGAAGAGTTT- - - - - AGCTG								48285
Dog	- TTTGTTTT- TTAATGGTTAAAGGGGA- GAGAGAGATG- - - ATGGGGGTGG- - - GGTGGGGAGGC- - - - - AGCAG								45629
BelugaWhale	GTTGCTTTT- GTTTTTATTGTTTAATA- - ATAAGTTGGT- - - TGATGGTGA- - - GAAGGAAGAG- - - - - GATG								44634
Donkey	- TAGATCTT- CTTCCAATATCAC- - - - - TAAAAAAG- - - GGGAAAAAAG- - - AGAGAAAAA- - - - - AGCCA								50470
Cat	- TTTATTTT- CTGCATTCCAGGAATTTTGGTAAAAGTATTCTATGCTAATGA- - - GGACATTCTCTCT- - - - - ATTCA								51994
Ferret	- TTTGTTTT- TTAATGGTTAAAGAGATGATGGGGAG- - - GGGAGGAAGA- - - GGAGTTTAATT- - - - - ATTTG								52958
Lion	- TTTATTTT- CTGCATTCCAGGAATTTTGGTAAAAGTATTCTATGCTAATGA- - - GGACATTCTCTCT- - - - - ATTCA								49660
Vaquita	GTTGCTTTT- GTTTTTATTGTTTAATA- - ATAAGTTGGT- - - TGATGGTGA- - - GGAGGAAGAG- - - - - GATG								45325
Pig	- - - GCCTTT- ATTTTTGCTATTTCACT- - ATTAAGGGT- - - GTGGGGTAGG- - - GGGAGAGGAACTG- - - - - AGCTG								42221

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Majority	- - - TTTGTTAGCTATACTTTATGTTA- ACCCTTTTA- - - - - - - - TTTTCATTAACT- T- - - TTCAXXTT- - - - - - X- -								
	66250	66260	66270	66280	66290	66300	66310	66320	
Human	AGATCGCGCCACTGCACTTCAGCCTGGGCGACAGAGCGAGACTCTGTCTCAAAAAAAAAAAAAAAAAAAGAATTCTTGTA								52928
PolarBear	-----								17375
Cow	- - - TTTGTTAGCCAGGCTTTCTGTTA- ATCCTTTTA- - - - - - - - TTTTCACATTCCAT- - - TTCACCT- - - - - - - -								48338
Dog	- - - TTTACCTGTTGCTCATTAGGTAG- A- - - - - - - - - - - - - - CTTTCCATTAACCCT- - - TTTATTTT- CCCCCTCT-								45684
BelugaWhale	- - - TTTGTTAGCCATACTTTCTGTTA- ACCCTTTTA- - - - - - - - TTTTCA- - - - - - - - TTCTCCTT- - - - - - - -								44680
Donkey	- - - - - - CAATAAAACCTTTTAAAAAAC- - - - - - - - - - - - - - T- CCAC- AATA- - - - - TTCAGATT- - - - - - - -								50508
Cat	- - - GTGTTTGGGTTTATTCCATGTTGTATTAATTTATAGGCATTTTATTTTAAATTTTAAATTTCCAGTGT- AGGTAACA-								52069
Ferret	- - - TTCATTAGGCTGACTTTACTTTA- ACCCTTTTATCCCACCCCTCCCGTAACTCT- - - CCCAGTTT- CTCTGCCA-								53029
Lion	- - - GTGTTTGGGTTTATTCCATGTTGTATTAATTTATAGGCATTTTATTTTAAATTTTAAATTTCCAGTGT- AGGTAACAC								49736
Vaquita	- - - TTTGTTAGCCATACTTTCTGTTA- ACCCTTTTA- - - - - - - - TTTTCA- - - - - - - - TTCTCCTT- - - - - - - -								45371
Pig	- - - TTTGTTAGCTAGACTTTCTGTTA- ACTCTTTTA- - - - - - - - ACCCTGTAACTCT- - - TTCACCTT- CTCC- - CT-								42281

Majority	CCTCCTGTGTACXTT- - - - CXAATTTCTAATTTGATTCCTXTG- - - - - - - - GTTXCTATCAGTGCAAACCCTGTTT- - -								
	66330	66340	66350	66360	66370	66380	66390	66400	
Human	CCAGCAGGGCACTTTGGCTCATGCCTGTAATCCCAGCACTTTGAGAAGCTGAGGTAATTCAGGGCAG- CAGTGAACCTGG								53007
PolarBear	-----								17375
Cow	CCTCCTGTGTACCTG- - - - CCAGTTTCTAATTTGATTCCTATG- - - - - - - - GCTGCTACCAATGCAAATGCTGTTT- - -								48402
Dog	GCCCTTTGTGACTGC- - - - CAGAT- TCTAATGT- - - - - - - - CAC- - - - - TCATGTAAGTGTGAGTGCAGACCCTGTT- - -								45743
BelugaWhale	CCTCCTGTGTACCTA- - - - CCAATTTCTAATTTGATTCCTGTG- - - - - - - - GATGCTACCAGTGCAAACCCTGTTTT- -								44745
Donkey	- - - - TTGCATACTTT- - - - AGAACTTCTGAGGTTGAGCCA- - G- - - - - - - ACATGAC- ATGAATAAAGTTCATCTTT- - -								50567
Cat	- GTGTTAATTAGTTT- - - - TAGGTGTACAATATAGTGATTCAGCAATTCTGTATGTTACTCAGTGCTTACCATGATAAGG								52144
Ferret	TGAGCCAGGTACCAC- - - - CTGTT- TATAATTCAGGTATTCTAC- - - - TAGTATGATTCATGTGGCAAACCCTGTT- - - -								53096
Lion	AGTGTTAATTAGTTT- - - - TAGGTGCACAATATAGTGATTCAGCAATTCTGTATGTTACTCAGTGCTTATCATGATAAGG								49812
Vaquita	CCTCCTGTGTACCTA- - - - CCAATTTCTAATTTGATTCCTATG- - - - - - - - GATGCTACCAGTGCAAACCCTGTTTT- -								45436
Pig	CCTCCTGTGTACCTG- - - - CCAATTTCTAATCTGATTCCTGTG- - - - - - - - GCTGCTAGCAGTGCAAACCCTGTTT- - -								42345

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Majority	- XGCTATGTGTTCACTXTGTCTTCTGT- CCATGCATTT- - AT- - - - TXTC- TGXXTTXCAGXAA- TTTGATAAAATTXTT	
	66410 66420 66430 66440 66450 66460 66470 66480	
Human	TCACACCAC- TGCCTCCAGCCTCAG- - CAACAAAGCAAGACACAGTCTCTTAAAAAAAAAAAAAAAAAGGAAGAAATTCTGGT	53084
PolarBear	-----	17375
Cow	- - GCTATGTGTTCACTGTGTCTTCTGT- CCATGCAATT- - - - - - - - TC- TGTGTTCCAGGAA- TCTGATAAAATTATT	48467
Dog	- TGCTATGTGTTCACTGTGTCTTCTGT- - - - ATTTGTTTCCATTCATTTTC- TGTATACCAG- TATTTTGATAAAAGTATT	45816
BelugaWhale	- - GCTATGTGTTCACTGTGTCTTCTGT- CCATGCATTT- - - - - - - - TC- TGAGTTTTGGGAA- TTTGATAAAATTATT	44810
Donkey	- TGCCAAAGATTTTCT- TG- CTTCCAAACAGTACTATTTAAT- - - - - - - - TGTGT- - - - - AAGTGTAAAGCAGAATGT-	50628
Cat	GTACTCTTTAATCCCATCACCTCATTTATATGCATTTTCTGGGCTTTCATAAATAGAAGAGAGCCAGTAAATATGAG	52224
Ferret	- TGCTATGTGTTCACTATGTCTTCTGTGTGATTCCTTTCTATTAATTTTG- CGTATTCCAG- GAATTTGATGAAAGTGTG	53173
Lion	GTACTCTTTAATCCCATCACCTCATTTATAGGCATTTTCTGGGCTTTCATAAATAGAAGAGAGTCCAATAAATATGAG	49892
Vaquita	- - GCTATGTGTTCACTATGTCTTCTGT- CCATGCATTT- - - - - - - - TC- TGAGTTTTGGGAA- TTTGATAAAATTATT	45501
Pig	- - GGTACATGTCCACTGTGTCATCTGT- CCATTTAGTTCCATTCATTTTC- TGTGTTTCAGGA- - TTTGATAAAATTATT	42419

Majority	CTCAGCTAGTG- - - - - - ATGACCTT- - CTCTXTTCAGTA- - - - - - TCTGCGTTTATTCCATT- - - - - - - - TT	
	66490 66500 66510 66520 66530 66540 66550 66560	
Human	TCCTTTAAGGGAGATTTGTTGTTGTTTCTTCTTTAATGGTGAGGGTACAAGTTGGTCACAGGAGGGAGAAGAGAAATT	53164
PolarBear	-----	17375
Cow	CTTGGCCAGTG- - - - - - ATGACCT- - - - - CTCTTCAGTG- - - - - TCTGCATTTATTCCATT- - - - - - - - TT	48514
Dog	CTCAGCTGATG- - - - - - ACAACACTCTTTCTATTCAATA- - - - - - TTTGGGTTTATTCCATT- - - - - - - - TT	45868
BelugaWhale	CTGAGCTAGTG- - - - - - ATAACCTT- - TTCTCTTCAGTA- - - - - - TCTGCATTTATTCCATT- - - - - - - - TT	44860
Donkey	- TTAG- - AATA- - - - - - GCAGCTTATAAACTGTTTCCAA- - - - - - - - GCACCTTCGACACC- - - - - - - - CT	50674
Cat	TCAACCTTGAATTCTTCCATGATCCTTCTCAAATTACCAA- - GTCTTACCAGTTCACTCTTGT- - - - - - - - TA	52288
Ferret	CTCAGCCAATG- - - - - - ATGACGTTCTCTCTATTTCAGTA- - - - - - TTTGGGTTTATTCCATT- - - - - - - - TT	53225
Lion	TCAACCTTGAATTCTTCCATGATCCTTCTCAAATTACCAA- - GTCTTACCAGTTCACTCTTGT- - - - - - - - TA	49956
Vaquita	CTGAGCTAGTG- - - - - - ATAACCTT- - TTCTCTTCAGTA- - - - - - TCTGCATTTATTCCATT- - - - - - - - TT	45551
Pig	CTCAGT- GATG- - - - - - ACCTTCT- - - - - CTCGTCTGTG- - - - - - TCTGTGTTTATTCCATT- - - - - - - - TT	42465

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Majority	GTATTTATTTA- - - - TAGTCATTTT- AXTAGTGTTTTATAATTCAAGAAXAXTTAXXGAATG- - TGTATXTCAATCATX	
	66570 66580 66590 66600 66610 66620 66630 66640	
Human	TAGCTCTTTTGTAAATGAAGTACTTTCTGTTCTGTTCTGTTTTTCAACCACTCCCTCCTCCTGTGAACCTGCCAATTTCT	53244
PolarBear	-----	17375
Cow	- - - - TTATTTA- - - - TAGGCATTTT- - AATAGTGTTTTATAACAAAAGAGAGA- - - CGAATA- - TGTACATCAACCATG	48578
Dog	ATATTCATTAA- - - - TGGGTGTTTTTAATTCA- - - - - - - - - - ATTCCAGTATAGTTAATATATGGTATTATACTAGTTTTCA	45935
BelugaWhale	GTACTTATTTA- - - - TAGTCATTTT- - AATAGTGTTTTATAATAGAAGAGAGACAAATGAATG- - TGTGTGTCAATCATG	44932
Donkey	CGAGTACTTCAGAAGTAGTTAATTTGCA- - - - - - - - - - T- - ACAATTGATATGCTAGTTATGATTA- - - ATATATGAATAA- -	50740
Cat	ATATCTGCCTAGTTTTTCATCATCTTTCTTGCTACTTTAGTAGCTCAGACACAGTTACCTTTTTGGCTGTACTGTGATAACA	52368
Ferret	GTATTGATTTA- - - - CAGGCATTTTTTATTAAGTTTTTAAAATTCCAGTATAGTTACTATATGGGGTTATACTAGTTTTTA	53301
Lion	ATATCTGCCTAGTTTTTCATCATCTTTCTTGCTACTTTAGTAGCTCAGACACAGTTACCTTTTTGGCTGTACTGTGATAACA	50036
Vaquita	GTACTTATTTA- - - - TAGTCATTTT- - AATAGTGTTTTATAATAGAAGAGAGACAAATGAATG- - TGTGTGTCAATCATG	45623
Pig	GTATTCATTTA- - - - TAGGCATTGT- - AATAGGGTTTTGTAATAGAAGAAA- - - - - - - - - - CAAATG- - TGTGTGTCAACCGTG	42531

Majority	GAT- T- - CTTCTAGAXCXXTT- - CATXAAATCAX- CATGTXCTXXGTATTCAXTCTTCTCAGTXXCXCTXAG- TTTCX-	
	66650 66660 66670 66680 66690 66700 66710 66720	
Human	GATTTGGTTCCTGTGGCTGCTACCAGTATAACACCTGTTGCTGTGTGTTCACTGTGTCTCCAGTCCATTTGG- - TTCCA	53322
PolarBear	-----	17375
Cow	AAT- T- - CTTCCACAACCTTT- - TATCAAGTCA- - CAAGTCGTATGAATTCCTCTTCTCAATATCTGCCAGTTTTTCAT	48651
Dog	GGTGT- - ATAGTGAGTCAACA- - ATTTTATACAATTTTATACTTAGTGCTCATCATA- - - AGTGTACTCTTTAATCCCCA	46008
BelugaWhale	AAT- T- - CTTCCAGAACCTTT- - CATCAAATCAG- TAGGTTCTGTGAATTCCTCTTTTCAATATCTGCCAGTTTTTC- -	45004
Donkey	- - - - T- - TCTT- - - ATCTATT- - CATTAAATCAGTC- - - CCCTCAGGATTTTTATTAGTCAGCATATCGTTA- - - - - - - -	50798
Cat	GCTCT- - CTTATTGATCTGCT- - TTTTTGCTTTCCCCTCT- TGAATTCCTTCTCCCTCCCTACTTCCCTCTCCC- TTCCA	52442
Ferret	GGTGT- - ACAGTATCGTGGTT- - CAACAATTTTATACATTACTCATTGTTTCATCATGATCAGTGTACTCTTTTCATACCCA	53377
Lion	GCTCT- - CTTATTGATCTGCT- - TTTTTGCTTTCCCCTCT- TGAATTCCTTCTCCCTCCCTACTTCCCTCTCCCCTTCCCC	50111
Vaquita	AAT- T- - CTTCCAGAACCTTT- - CATCAAATCAG- TAGGTTCTGTGAATTCCTCTTTTTCAGTATCTGCCAGTTTTTC- -	45695
Pig	AGT- T- - CCTCCATAACCTTT- - CATCAAATCAT- CAAGTCCATTGAATTCCTCTTCTCAGTGTCTGCCTAGATTTTC- -	42603

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Majority	TTCAXTTTTXCTTCTTCACTTGCTCAXAAACAXTCATCTC- - - GCCAXAT- AATAT- XCT- AA- XAT- AATTCTTTTXT-	
	66730 66740 66750 66760 66770 66780 66790 66800	
Human	TTCATTTTCTGTGTTCCAGGAATTTGATAAAATTATTCTCAGCTAATGATAACCTTCCCTCCCTTCAGTGTGTTGTTTATT	53402
PolarBear	-----	17375
Cow	TTCTTTTTTCTACTTCAGTTGCTCAGACATAGCCATGTCTTAGCTATAT- AATAATCTTACCTAAT- AACTCTCTTGAA	48729
Dog	T- CACCTCA- TTTATAGGCATTTTCATGGGCTTTCATAACAGAGGCAAATAAATATGAGTCAACCACGAATTCTTCCATG	46086
BelugaWhale	TTCTTTCTTGCTACTTCATTTGCTCAGACACAGTCATCT-----	45043
Donkey	- - - ACTGTAAGAGTTTGAGTTGCTTAAGACTTGATA- - - - - GCTGAATGAGTAAGGCGAAATTGTGAAATATTTTCTG	50868
Cat	TACACTTCCGCCTCTCCCCTTCCCTATTAGTCTCTTTCCCCCACCCTCGTCCCTCTCTCT- AAATATATATATTTATATC	52521
Ferret	T- CACTTCA- TTTATACGCATTTTCATGGGCATTTCATAATAGAGGCAAATGAATATGAGTCAACAATGAATTCTTCTGTG	53455
Lion	TACACTTCC- CCTCTCCCCTTCCCTATTAGTCTCTTTCCCCTCACCCCGTCCCTCTCTCTTAAATATATATATTTATATA	50190
Vaquita	TTCTTTCTTGCTGCTTCGTTTGCTCAGACACAGTCATCT-----	45734
Pig	TTCTTTCTTGCTACTTCAACAGCTGAGATACAGTCAGCTCTTGGCTATAT- TATA- - TATA- - - - AT- AGCTCTCTT- - -	42672

Majority	- T- XTTX- - - - XTX- XXTTX- - - X- T- X- - - - - - - - - X- X- - - C- - - TTXG- - - TCTGCX- XGX- - - CX- - X-	
	66810 66820 66830 66840 66850 66860 66870 66880	
Human	TTATATTCATTCACTTCTAGGCATTTTAATAGAGTTTCATAATAGAAGACATGCAAATGAGTATGCATTAACCATGAATT	53482
PolarBear	-----	17375
Cow	GTGAAGCCACTCAGTCGTGT- CTGACTCTTTGGCAACCCATGGATTTTAACCTACCAG- - - GCTCCTCCGTCCATGGGAT	48805
Dog	ATCCTTT- - - - GTCAAGTTACCAAGTCTTACC- - - - - AATTTATTCTTCTTAG- TATCTGCCTAGTTTTTCATCAT	46151
BelugaWhale	-----	45043
Donkey	CTCTTTCTCGTTGTCAAATAA- - - - - - - - - - - - - - - AC- - - TTGGACATTTGCCCTTTCTCA- - G-	50914
Cat	TTTTTTTTAATGGTTGGTTTATTTATTTTGGAGTGGGGGAGAGTGTGTGCAAGTAGGGGAGGGACAGAGAGCGGGAG	52601
Ferret	ATCATTC- - - - ATCAGATTAAGTCTTTTC- - - - - AGTATACTCTTTTTAAATGTCTGCCTAGTTTTTCATCAT	53521
Lion	TTTTTTTTAATAGTTGGTTTATTTATTTTGGAGTGGGGGAGAGTGTGTGCAAGTAGGGGAGGGACAGAGGGGGCGGGGG	50270
Vaquita	-----	45734
Pig	----- ACTGG- - - TCTCCT- - - - - - - - - - -	42683

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Majority	-----X-----AXX---X-AG-TXGXA-A-XT-----X--ACTTXX--TXX--C---AXCAG--C								
	66890	66900	66910	66920	66930	66940	66950	66960	
Human	CTTTCACATCCGTTTCATGAAATCACCAGGTCTATTAGTTCACACTTTTTAATTATCTGCCTGGTTTTCTCCATCTTTCC								53562
PolarBear	-----								17375
Cow	TTTCCAAGCAAGATTACTGGAGTGG-TTGCC-ATTTCTTCTCCAGGGGATCTTCCCAACCCAGGGATCAAACCCAGGTC								48883
Dog	C-----GTTCTTGCTACTCGCATAGCTCAAACACACACT-----ATCACCTCTTGGCTATATTA--CTATGATAGCTC								46217
BelugaWhale	-----								45043
Donkey	-----AG-----ACTCTCCCAACTTGTTG-GT-----ACCTCTTTTTTTAGGATCCAACACCATTAC								50966
Cat	G--GGAGAGAGAGAGAGAGAGAGAATGAATGAATGAATGAATGAATGAATGAATGAATATATAT--CCCAACCAGGCT								52677
Ferret	C-----TTTCTTGTTACTTTGAATAGCTCAGACACACACA-----GTCGCCTCTTGGCTATATTG--TTTTAATAGCTC								53587
Lion	GAGGGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAATGAATGAATGAATGAATGAATATATATATCCCAACCAGGCT								50350
Vaquita	-----								45734
Pig	-----T-----TCGTA-ATTT-----TCCTCT-----								42699

Majority	XC-TACXX-----A--TXX-TXGX-T-----CATGAXXTX----T-CTCTCT--XAXCXAXAT----X---								
	66970	66980	66990	67000	67010	67020	67030	67040	
Human	TGCTACTTGTATTGCTCAAACACACTCACCTGTTGGCTATATTACTACGACAGTTCTCTTTATAAACTACTTTCTTTTTC								53642
PolarBear	-----								17375
Cow	TCCTGC-ATTGTAGGCAGATGCTTTACTGTCTGAGCCACTAGGAAAGTTA-GTAACTCTCT--TACTGATGTTTA-ATT-								48957
Dog	TCATACTCATCT-----ACTTCTTTACTTTCTC----TCTTGATTTCT----TTCTCCCTAGTACCTCTCTTTCACCC								46284
BelugaWhale	-----								45043
Donkey	ATCTGCCGA-----AAATATCCACTTA-----CATAGGCCATAGAGCAATTTTTGTAGACAAAATTA-----								51023
Cat	CCCACTGGCAGTGCAGAGCTCCATGTGGTGTTCGAAAGTCATGAACTGTGAGATCATGACCTGAGACGAAATCAAGAGTC								52757
Ferret	TCTTACTGATCT-----ATTTTTTTACTTTCCCC----TCTTGAATTCT----TTCTCCCTAGTACCTCCCT-----								53646
Lion	CCCACTGGCAGTGCAGAGCTCCATGTGGTGTTCGAAATCATGAACTGTGAGATCATGACCTGAGACGAAATCAAGAGTC								50430
Vaquita	-----								45734
Pig	-----T--A-----AATT-----CTTTCT--TACCAGTAC----AGC-								42723

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Majority	----- TCT- - C- - - - TTX- TTTCXX- X- X- XXC- - - - XX- - GX- TATXTCTTTCTAAAAXA- XXXAATCTGA- TTX- - TT								
	67050	67060	67070	67080	67090	67100	67110	67120	
Human	TTTTCCCTTCTGGAATTTTTTTCTCGCTAGTAC- A- - GCCAGTACGTATCTTTCTCAAATGCACATATCTAAGTTA- - CT								53717
PolarBear	-----								17375
Cow	----- TTTGTCTTGAATACTTTCTCCCTAGTACAAATGTGTGTGTATCTCTTTCTAAAATGCACAGATCTAACTTG- - CT								49030
Dog	CACTGTCT- - CCCTTTTCCTTTTCTACCTCCCCCA- - - - - - - - TATGTCCTTGTAACA- - - - AATCTGACTTAG- TT								46349
BelugaWhale	-----								45044
Donkey	----- CTAACAAAAGTATGGTTTTTCATCTTATGGGGTTCAGAAAATGCTACCCCAAAATATGAGAAGTTG- - - - - - - -								51088
Cat	AGGTATTTAACCAGCTGAGCTGCCAGGTGCTCCTAAGTATGTATATACTTTTGTAAAACAGACAAATCTGATTTTAGTT								52837
Ferret	----- TCT- - CTTCCTTTCTTCCTCCCTTTCTCAT- - - - - - - - TATCTCTCTCCCTAACA- - - - AATCTGACTTAGGT								53707
Lion	AGGTACTTAACCAGCTGAGTCACCCAGGTACCCCTAAGTATGTATATATCTTTGTAAAACAGACAAATCTGATTTTAGTT								50510
Vaquita	-----								45735
Pig	----- TCTG- - - - - - - - TGT- - - - - - - - G- - - - TGTGTGTGTCTGTCTTTCTAAA- TGCACAAATCTGAGTTA- - TC								42772

Majority	XXCCTXCAGCA- - - - - - - - GATCCTTTTTCATGCTCAGGATAAAGGCCCTXAGAAGAGATGGCTACTATTT- - - CTGTCTT								
	67130	67140	67150	67160	67170	67180	67190	67200	
Human	CCCATGCAGTA- - - - - - - - GGTCCTGTTTCATGCTCAGGCTAAAGGCCCTTTCT- GAGCTTACTACTTTTTGTCTTGTCTT								53788
PolarBear	-----								17425
Cow	CCCCTGCAGCA- - - - - - - - GTTTGTTTTTCATGCTCAGGATAAAGGTCCTTTCT- GAGATGACTACTGTTT- - - CTGTCT-								49097
Dog	ACTCCCCTGCAA- - - - T- AGATCCTTTTTCATGCTCAAGATAAAGGCCCCAGAAAAGATGGCTA- - - TTT- - - CTATCTT								46418
BelugaWhale	----- CAGCA- - - - - - - - AATCCTTTTTCATGCTCAGGGTAAAGGCCCTTT- - - GAGATGAGTACTGTTT- - - CTGTCTT								45104
Donkey	----- GCA- - - - - - - - TGTTGAATATCTTCAATTGAAGGATTTAAGAAAAAGCAGAAGCAAGGA- - - GT- TCAC								51146
Cat	ACTCTCCTGCAG- - - - CCATATCCTTTTTCATGCTCAGGATAAAGGCCCTT CAGAAGAGATGGTTACTATTT- - - CTGTCTT								52910
Ferret	ACTATCCTGCAG- - - - C- AGATTCTTTTTCATGTTTCATGATAAAGGCCCT CAGAAGAGGTGGCTACTATTT- - - CTGTTTT								53779
Lion	ACTCTCCTGCAG- - - - CCATATCCTTTTTCATGCTCAGGATAAAGGCCCTT CAGAAGAGATGGCTACTATTT- - - CTGTCTT								50583
Vaquita	----- CAGCA- - - - - - - - AATCCTTTTTCATGCTCAGGGTAAAGGCCCTTT- - - GAGATGAATACTGTTT- - - CTGTCTT								45795
Pig	CTCCTGCAGCAAATCTTCAGATCTTTTCTTGTCAAGATAAAGGCCCTTTCT- GAGATGATTACTTATT- - - CTGTCTT								42848

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Majority	AT- GGCTACTCXC- - - - - TATTTGCCT- ATGCTTCTAXCCCAAAGTAATTGTAATCCTCTAACCTGGCATGCTTTCTC								
	67210	67220	67230	67240	67250	67260	67270	67280	
Human	AT- GACTACTCCCACC-	CTATTTGCTT-	ATGCTTCTGT	CCCAAAGTAAT	GGTGCATCCT	GTAACCTGGCAT	GTTTTCTC		53865
PolarBear	ATTGGCTATA- - - - -	TATTTGCCT-	ATGCTTCTA-	CCCAAAGTAATT	GTA- - - - -	ACCTGGCATG-	- - - - -		17480
Cow	GT- GGCTGCTCCCCCT	CCATTTTCT-	GTGCTTCTAT	CTCAGTAGTAAT	GATAGATCCT	ATAACTTGGCATA	ACCTTCTC		49175
Dog	ATTGGCTATA- - - - -	TATTTGCCT-	ATGCGTCTA-	CCCAAAGTAATT	GTAACCTCTT	CTAACCTGACATT	CTTTCTC		46488
BelugaWhale	AT- GGCTACTCCCACC-	CTATTTTCT-	GTGCTTCTAT	CACAGTAGTAAT	GTAAGTGCCT	GTAACCTGGCAT	GCTTTCTC		45181
Donkey	GCCAACCTCTCTC- - - - -	CGTCCCCCT	CACCCTTCTT	CCCTGAAACAGAT	CATAAAC-	TCTCATGTGAAAT	ATGCTCTT		51220
Cat	AC- GGCTGTA- - - - -	TGTTTCCT-	GTGCTTCTA-	CCCAAAGTAATT	GTAATCCTCCAACCT	GGCATGCTTTCTC			52979
Ferret	ATTTGCTATA- - - - -	TATTTGCCT-	ATGCTTCTA-	CCCAAAGTAATT	GTA- - - - -	ACCTTGCATGCTTTCTC			53841
Lion	AC- GGCTGTA- - - - -	TGTTTCCT-	GTGCTTCTA-	CCCAAAGTAATT	GTAATCCTCCAACCT	GGCATGCTTTCTC			50652
Vaquita	AT- GGCTACTCCCACC-	CTATTTTCT-	GTGCTTCTAT	CCCGGTAGTAAT	GTAGCGCCTATAACCT	GGCATGCTTTCTC			45872
Pig	AC- GGCTCCTCCCACT	GTTATTTGAGT-	ATGCTTCCAT	CCCAATAGTAAT	GTAGGTTCTGTAAT	CCAGTATGCTTTCTC			42926

Majority	TTATTTXXAGTCT- - TTTGAGGCCACTGTGTTTCTGTGATGTCACTTTTGCCTGGAA- TATTGTGGCCTG- CCTGCCTTT								
	67290	67300	67310	67320	67330	67340	67350	67360	
Human	TTGATGTCAGTCG- -	TTTGCTGCCATTAT	GTCACCTGC-	TCTCA- - -	T- GCATGGAA-	TATTGTGGGTT	GGCCTGCCTTT		53936
PolarBear	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -		17480
Cow	TTATTTT- -	GTCT- -	TTGGAGGCCACT	GT- -	TTCTGTGATGTAAC	TTTTGCCTGAAA-	TATTGTGACCTG-	CCTATGTTT	49247
Dog	TTACTTCTAGTAT- -	TTTGGGACCACT	GTGTTTCTGT	GATGTTAATTTTT	CCTGGAA-	TATTATGACCTG-	CCTGCCCTT		46564
BelugaWhale	TTATTTT- -	GTCT- -	TTGGAGGCCATT	GTGCTTCTGT	GCTGTCAC	TTTTACCTGGAA-	TATTGTGGCCTG-	CCTGCCTTT	45255
Donkey	CTTGTACCAGGAG- - -	GAAGGACGACATT	CTTATCACCAGAGAC	GGGAACTGAGGGT	CAAGAAATCTG-	TACAAACAA			51295
Cat	TTATTTCCAGTCT- -	TTTGAGGCCACT	GTGTTTCTGT	GATGTCAC	TCTTGCCTGGAA-	TATTAAGGCCTG-	CCTACCCTT		53055
Ferret	TTATTTCCAATCTT	ATTTCCAGCCACT	GTGTTTCTGT	GATGTTA-	CTTTGCCTGGAA-	TATTATGGCCTG-	CCTGCTTTT		53918
Lion	TTATTTCCAGTCT- -	TTTGAGGCCACT	ATGTTTCTGT	GATGTCAC	TCTTGCCTGGAAAT	ATTAAGGCCTG-	CCTACCCTT		50729
Vaquita	TTATTTT- -	ATCT- -	TTGGAGGCCATT	GTGCTTCTGT	GCTGTCAC	TTTTACCTGGAA-	TATTGTGGCCTG-	CCTGCCTTT	45946
Pig	ATATATT- -	GTAT- -	TTTGAGGCCTTT	GTGTTTCTGT	GCTGACACT	TTTTGCCTGCAC-	TGTTGTGGCCG-	CCTGCCATT	43000

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Majority	----- TGGATTAGG----- TTTG								
	67530	67540	67550	67560	67570	67580	67590	67600	
Human	----- GTAGATTAGG----- TTTG								54057
PolarBear	-----								17480
Cow	----- TGGATTAGG----- TTTG								49359
Dog	----- CTGGATTAGG----- TTTG								46678
BelugaWhale	----- TGGATTAGG----- TTTG								45368
Donkey	----- TTGTTT----- CTTTG								51402
Cat	TCAGTTAAGCATCCAACCTCTTGTTTTGGCTTAGGATCTGATTTACAGTTCAGGAGTTTGAGCCCCATGTTGGGCTTTG								53284
Ferret	----- GTAGTTTAGG----- TTTG								54031
Lion	TCAGTTAAGCGTCCAACCTCTTGTTTTGGCTTAGGATCTGATTTACAGTTCAGGAGTTTGAGCCCCATGTTGGGCTTTG								50958
Vaquita	----- TGGATTAGG----- TTTG								46059
Pig	----- TGAATTAGG----- TTTG								43114

Majority	GATT-----								
	67610	67620	67630	67640	67650	67660	67670	67680	
Human	GATT-----								54061
PolarBear	-----								17480
Cow	GATT-----								49363
Dog	CATT-----								46682
BelugaWhale	GATC-----								45372
Donkey	TAT-----								51405
Cat	CACTGCCAGTGGAGAGCCTGCTTGAGATTCTCGCCCTCTCTCTCTGCCCTTCCCTGCTAGCATGTGAATGTGTATGCTC								53364
Ferret	CATT-----								54035
Lion	CACTGCCAGTGGAGAGCCTGCTTGAGATTCTCTCCCTCTCTCTCTGCCCTTCCCTGCTAGCATGTGAATGTGTATGCTC								51038
Vaquita	GATT-----								46063
Pig	GATT-----								43118

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Majority	----- AAGAAXCTTTAAXACAAATTTAAAATCAC								
	67690	67700	67710	67720	67730	67740	67750	67760	
Human	----- GAGAGTGTT----- AACTCCGAA-----								54079
PolarBear	-----								17480
Cow	----- AAGAACCTTTAATGCAATTTAAAATCAC								49391
Dog	----- AAGAAATCTTAACACAAATTTAAAATCAC								46710
BelugaWhale	----- AAGAACCCTTAATACAAATGAAAATCAC								45400
Donkey	----- AAAAGATGTAA- - CAGCTTCCTGTTCT								51430
Cat	TTTTCTCTCTTCTCTCTCTCAATAAATAAATAAACTTAAAAAAAAAAAAAAAAAGAACTTTGACATAAATTTAAAACCAC								53444
Ferret	----- AAGGAACTTCAACGCAAATTTAAAATCAC								54063
Lion	TTTTCTCTCTTCTCTCTCTCAATAAATAAATAAACTTTTAAAAAAAAAAAAAAAAAGAACTTTGACATAAATTTAAAACCAC								51118
Vaquita	----- AAGAACCCTTAATACAAATGAAAATCAC								46091
Pig	----- AAGAACCTTTAATACAAATTTAAAATCAC								43146

Majority	AGTGAGATACTGCCATGTACTAX- - CAXATTGGCTAAAATTAAGACXGGTAATGCCAAGTGTTGG- AACCAATGTAGAGAA								
	67770	67780	67790	67800	67810	67820	67830	67840	
Human	-- TGAGATACTGCTATGCACATAACCAGAGTGGCTAAAATTA- - A- - - - - AAGGATAGGTAATA- - - - -								54134
PolarBear	-----								17480
Cow	G- TGAGATACTGCCATGTGCTAC- - CATATTGGATACATTGA- - - - - GGTAAATCCAAGTGTTGG- AACCAATGTAGAAAA								49462
Dog	AGTGAGATACTACCATGTACTAA- - TAGATTGC- TAAAATTAAGATGGATGATGCCAGGTGTTGGTAACAAGG- - - AGAA								46784
BelugaWhale	AGTGAGATACTGCCATGTA- TAC- - CATACTGGATAAAAATTAAGACCGGTAAATACCAAGTATTGG- AACCAATGTAGAGAA								45476
Donkey	GGT- - - - TATT- TCAGGT- CTTTATTCTCTTGTGAAGGCTCT- - - CACGTACATCTAAAAATTG- - AGTAACATTTGTGT								51499
Cat	ATTGAGCTACTACCATGTACTGTGTCTGATTGCCTATGATTAAGATGGGTAAATGCCAGATGTTGGTAACAAGGTTGGGAA								53524
Ferret	AGTGAGATACTACCATGTACCAT- - CAGATTGA- TGAGAT- - - GAGTGATGCCGAGTGTTGGTAACAAGGTAG- - - AGAA								54134
Lion	ATTGAGCTACTACCATGTACTGTGTGAGATTGCCTATGATTAAGATGGGTAAATGCCAGATGTTGGTAACAAGGTTGGGAA								51198
Vaquita	AGTGAGATACTGCCATGTA- TAC- - CATACTGGATAAAAATTAAGACCGGTAAATACCAAGTATTGG- AACCAATGTAGAGAA								46167
Pig	-- TGAGATATTGCTGTGTACTAC- - CATATTGGCTAAAATTAAGACAGGTAAATACCAATGTTGG- AACAGTGTAGAGAA								43221

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Majority	GCTTGAAC TTT- XTAXATAAGT GATGGGAATGTAAATTGGT AGAATXATX TTTAAAACTTGA AATATCTAXTAAAGCTG	
	67850 67860 67870 67880 67890 67900 67910 67920	
Human	----- AAATACTGGTGAC - - AA - - - - - CCATTTTTGAAACTCGAAATATCTACTAAAGTTG	54184
PolarBear	-----	17480
Cow	GCTTGAAC TCTTATAAATAAGT GATGGGAATGTAAAGTTGGT AGAATAGTTTTTAAATCTTCATTTATCAGCTAAAGCTG	49542
Dog	TCTGGAGCTTTCATATATACATT- TGGGAATGTAAATTCTTAGAATTGTGTTTAAAACTTGA AACATATAGTAAAGCTG	46863
BelugaWhale	GCTTGAAC TTC- GTAAATAAGT GATGAGAATGTAAATTGGT AGAATCATTTTTAAAACTTGA AATATCTACTAAAGCTG	45555
Donkey	GCTTGT- CTCCTGTAAATCTGTCTTGT CAGTTAATTTTT CAGACCCA- GCCAGAGACCCCAAGA- - - G- GGTGGAG- - G	51571
Cat	ACTGGAAC TTTTCATATATACATGCTAAGAATGTAAATTAGTAGACTTATGTTTAAAACTTGA AATATGTAGTAAAGCTG	53604
Ferret	GCTAGAAC TTTTGTATACGTG- TGGGAATGTAAAGTTCATAGAATGATGTTTAAACTTTGACATATGTAGTGAAGGTG	54213
Lion	GCTGGAAC TTTTCATATATACATGCTAAGAATGTAAATTAGTAGACTTATGTTTAAAACTTGA AATATGTAGTAAAGCTG	51278
Vaquita	GCTTGAAC TTC- GTAAATAAGT GATGAGAATGTAAATTGGT AGAATCATTTTTAAAACTTGA AATATCTACTAAAGCTG	46246
Pig	ACTTGAAC TC- - - - - AAGTGATGGGAATATAAATTGATAGAATTGTTTTAAAACTTGA AATATCTACTTAAGCTA	43293

Majority	AGCATATACAT- - ATTCTTTGACTTAGTAAATCTX- - CCTAGTTA- CATACTGAGAAAATATA- AXATATGTGCATCAA	
	67930 67940 67950 67960 67970 67980 67990 68000	
Human	AGCATATAGCT- - ATTCTTTGATGTAGTAAACTCGCTCCTAGTTAACATACCTGAGAACATGT- - ACATAGGTATGTTAA	54260
PolarBear	-----	17480
Cow	AGCATATTCCT- - GTTCTTTGACACAGTAATTTT- - - ACTAGTCA- TATATCTGAGAAAATTTATATATATGTGCATCAA	49616
Dog	AGCATATACAT- - ATTCTTTGACTTAGTGAATCTACTCCTAGTTA- TACAAATGTGCAT- - - CA- AAAGATATGTATGAA	46936
BelugaWhale	AGCATATACAT- - ATTCTTTGACTTAGTAAATTTTT- - ACTAGTCA- CGTATCTGAGAAAATAAATACATATGTGCATGAA	45630
Donkey	AAAAC TTTCTTC- - CTCTCCTACCCATC- - - TCT- - - - CCAGTT- -	51636
Cat	AGCATATACAT- - AATCTTTGTCTTAGTAAATCTA- TCCTAGTTA- CATACTGAGAAAATATG- TAATATGTGCATCAG	53679
Ferret	AGCATATACATGTATTCTTTGACTCAGTAAATCTACTCCTAGTTA- CATACTGAGAAAACACA- TTGTATGTACATCAA	54291
Lion	AGCATATACAT- - AATCTTTGTCTTAGTAAATCTA- TCCTAGTTA- CATACTGAGAAAATATG- TAATATGTGCATCAG	51353
Vaquita	AGTATATACAT- - ATTCTTTGACTTAGTAAATTTTT- - ACTAGTCA- TGTATCTGAGAAAATAAATACATATGTGCATGAA	46321
Pig	AACATACACAT- - AATCTTTGATTTAGTAAATCT- - - ACTAGTTA- CATACTGAGAAAAC- - - - ACGTGTGTGTGTCGA	43363

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Majority	AAGATA- TGTATXAGAAAGTTCATGGXACACTA- TATGTAATAGCCCAA- - AGCTGGAAATGATCCACATGTT CAGCAGC								
	68010	68020	68030	68040	68050	68060	68070	68080	
Human	AAGATA- TGTACAAGAAAGTTCATGGAACACTG- TATGTAATAGCCCAAAAACTATAAATCATCCAAATGTTCAACAGC								54338
PolarBear	-----								17480
Cow	AAGATA- TGTATGGGCAAGTTCATCGCACACTA- TATGTAATTACCCAA- - GGCTGGAAATGATCTAAATGTTGAGCAGC								49692
Dog	GAAGTT- - - - - CAT- - - - GGAACACTAATACATAATAGTCCAA- - AGCTGGAAATGATCCACATGTT CAGCAGC								46999
BelugaWhale	AAGATA- TGTATAAGAAAGTTCATGGCACACTG- TATGTAATAGCCCAG- - AGCTGGAAATGATCCACATGTT CAGCAGC								45706
Donkey	ATCCT- - - - - GCTCA- - ACATATTT- TCTGTAGTAACC- - - - ATTTGGAAGCCTTTCA- - - - TTGAAAAAC								51691
Cat	AAGATAATGTATGAGAAAGTTCATGGAACACTAATACATAATAGTCCCA- - AACTAGAAATCATCTACATGTT CAGCAGC								53757
Ferret	AAGATC- - - - - TGTATGAGAAAATTCATGGAACACTAATGCAA- - AGATAGAAATGATTCATATGTT CAGCAGC								54358
Lion	AAGATA- CGTATGAGAAAGTTCATGGAACACTAATACATAATAGTCCCA- - AACTAGAAATCATCTACATGTT CAGCAGC								51430
Vaquita	AAGATA- TGTATAAGAAAGTTCATGGCACACTG- TATGTAATAGCCCAG- - AGCTGGAAATGATCCACATGTT CAGCAGC								46397
Pig	AAGATA- GGTATGAGAAAGTTGACAGCACACAC- TGTGAAA- - - CCCAA- - AGCTGGAAGCGATCCGTACGTT CAGCAGC								43436

Majority	AGTAGAATXTGTTGTGGXATATTCATTTGTTGGAATATTXTAG- - TXCAAAAAGAA- - - - - TGAACAAGCTAC								
	68090	68100	68110	68120	68130	68140	68150	68160	
Human	AGCAGAATATGTTGTGTTGTATT CATT TAGTGAATATTGTAT- - AGTAATAAAAA- - - - - TGAACAAGCTAC								54404
PolarBear	-----								17480
Cow	AGTAGAATGTGTTGTGGTATATTTATTTGTTGGAATACTCCCT- - GGCAAAAAGAA- - - - - TGAACAAGCTAC								49758
Dog	AGTAGGGTATGCTGTGGCATATTCATT CATTAG AATTTGTTAGAATACAAAAAAAAAAAAAAAAAATTGACCAAGCTGC								47079
BelugaWhale	TGTAGAATGTGTTGTGGTATATTTATTCGTTGGAATACTGACT- - GGCAAAAAGAA- - - - - TGAACAAGCTAC								45772
Donkey	AAACTGCGGTGCCGCAGC- - - - - TTTGCTGGCATCCT- - - GAGCACAAAGTTAGCCTGAT- - - TATTCATTAATCCAG								51758
Cat	AGTAGAATATGTTGTGGCATATTCATTTGTTGGAATTTCTTAGAATACAAAAAGAA- - - - - TGATCAAGCTAC								53825
Ferret	GGAA- - - TATGCTGTGGCATATTTATTCATTGGAATTTGTTAGAATACAAAAAA- - - - - TGACCAAGCTGC								54422
Lion	AGTAGAATATGTTGTGGCATATTCATTTGTTGGAATTTCTTAGAATACAAAAAGAA- - - - - TGATCAAGCTAC								51498
Vaquita	TGTAGAATGTGTTGTGGTATATTTATTCGTTGGAATACTGACT- - GGCAAAAAGAA- - - - - TGAACAAGCCAC								46463
Pig	AGTAGAATGTGTTGTGGTATATTCATTGACTAGGTTATTGTC- - - AGTAAAAAGAA- - - - - TTAATAAGCTAC								43501

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Majority	TGGTACCTGCAAAACXTGGATGAACATCATAAAAATAATGTTTATTGXAAGAAGCCA-----	
	68170 68180 68190 68200 68210 68220 68230 68240	
Human	TGCTGCCTGCAAAACATGGGTA-----GTGTACATCATAATTATTGGAAGAAGCCA-----	54455
PolarBear	-----	17480
Cow	TGGTGCATCCAAAACCTTGAATGGACATCATAAAAATTATGTTTATTGGAAGAAGCCA-----	49815
Dog	TGGTACCTGCAAAACATGTATGTACACCATAACAATAATATTTATTGAAAGAAGCCAAA---CCAAAAATAAATAAAT	47155
BelugaWhale	TGGTGTCTCTAGAACTTGGATGAACATCATAAAAATTATGTTTATTGGAAGAAGCCA-----	45829
Donkey	CATTAGCC-----ACTAGAGTGACCAACCTGACAAGCTTTTTCCAGGCAATGACCTGAA-----	51812
Cat	TTATACTTGCAAAACATGGATGTATATCATAAAAATAATGTTTAGTGAAAGAAGCCA-----	53882
Ferret	TAGTACCTGCAAAACATGAATGCACATCATGAAAGTAATATTTACTGAAAGAAGCCAACCCCCCAAAAAGCAAAAAAC	54502
Lion	TTATACTTGCAAAACATGGATGTATATCATAAAAATAATGTTTAGTGAAAGAAGCCA-----	51555
Vaquita	TGGTATCTCTAGAACTTGGATGAACATCATAAAAATTATGTTTATTGGAAGAAGCCA-----	46520
Pig	TGGTGCCTCCAGAACTTGGATGATTATCATAAAAACCATGTTAATTGCAAGAAGCTA-----	43558

Majority	-----GACCAAAGTAGAACA-----TXCXATATGATTCCATTT-ATATAACTGGGAGAAAGCATGAGTGTG	
	68250 68260 68270 68280 68290 68300 68310 68320	
Human	-----AACCAAAGTAGAATACA-----TCTGATATGATTCCATTT-ATGTAACCTTGGAGGAAGCGTGAGTATG	54517
PolarBear	-----	17480
Cow	-----GACCAGAGTAGTACA-----TTCCATTT-ACATAACTGGGAGAAAACGTGTGTG--	49863
Dog	AAATAAGCCAGACGAAAGTAAAACA-----TACTATATGACGCCATTT-ATTTAACTGATAGAAACCATGAATGTG	47225
BelugaWhale	-----GATCAAAGTAGAACACG-----TACTATATGGTTCCATTT-ATATAACTGGGAGAAAGCATGTGTGTG	45891
Donkey	-----CCAGCCAAAGGAGAAC-----TGAGAGTCAGC---ACTTATCTTTAAGAACAGATGCCTATG	51866
Cat	-----GACCAAAGTAGAACA-----C-ATATGATGCCATTTTATATAACTAGGAGAAAGCATGAATGTG	53940
Ferret	AAAAATGCCAAAACCTAAGTAGAACACATCATATGTATTCTATGATACAATTT-ATATAACTGAGAGAAAACATGAATGTA	54581
Lion	-----GACCAAAGTAGAACA-----C-ATATGATGCCATTTTATATAACTGGGAGAAAGCATGAATGTG	51613
Vaquita	-----GATCAAAGTAGAACACA-----TACTATATGGTTCCATTT-ATATAACTGGGAGAAAGCATGTGTGTG	46582
Pig	-----GACCAAAGTAGAACACA-----TACTGCAGAATTCCATTT-ATATAATTGGGAGAACGCGTGTGTGCG	43620

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Majority	GCTTCTGGAGTGTTGATAATGTTCTGTTTTTXX- XCTAGATAGTCXTTTCACAGATATGTCCAATTTGTGATATTTTATT								
	68330	68340	68350	68360	68370	68380	68390	68400	
Human	GCTTCTAGAGTGTTGATAATACTGTTTTTTA- TCTGGGTAATTATTTACAGAGATGTCCAATTTGTGGTATTTTATG								54596
PolarBear	-----								17480
Cow	GCTTTTGGAGTGTTGGTAATGTTCTTTTTTTTA- TCTCGATAGTGCTTTCAT- GATATGGTTTATTTGA- - TATTTTATT								49939
Dog	GCTTTTAGAGTTTTGATAATGTTCTTTTTTTAT- - CTAGGTAGTCATTTACAGATATGTCCAATTTGTGATGTTT- - - -								47299
BelugaWhale	GTTTCTGGAGTGTTGGTAATGTTCTATTTTTTTATCTAGATAATCCTTTTACAGATATGTTCTATTTGTGAAATTTTATT								45971
Donkey	GTTTTTGGTACAGGGTTGGTATAATGTGACTTTACTT- - GTAGCCAGCCACAGGAATTTACAACA- GT- - TACTGAATG								51941
Cat	GCCTCTAGGGTTTTGACAATGCTCAATTTTT- - - - - ATCTAGTCATTTTATAGATATGTCCAATTTGTGATGTTTTATT								54014
Ferret	GCTTTTGGAACTTTGATAATGTTCTGTTTT- - - - - TATCTAGTCATTTTCATAGATCTGTCCAATTTGTGATGTTTTATT								54656
Lion	GCCTCTAGGGTTTTGACAATGCTCTGTTTT- - - - - ATCTAGTCATTTTACAGATATGTCCAATTTGTGATGTTTTATT								51687
Vaquita	GTTTCTGGAGTGTTGGTAATGTTCTATTTTTTTATCTAGATAGTCCTTTTACAGATATGTTCTATTTGTGAAATTTCTATT								46662
Pig	GCTTCTGGAGTGCTGGTAATGTTCTCTTTTTAAATCTAGATAGTCCTTTCATAGATATGTTCAATTTGT- - AA- - - TATT								43695

Majority	GAGCTGTATACACTTAGGATTTGTGTCTTTTTATGTGTATATGTATG- - TTCTATACXAAGTTTAATTAATACTAGGTT								
	68410	68420	68430	68440	68450	68460	68470	68480	
Human	GAGCTTTATA- - CTTAGGTTTTGTGTCTTTTTGTGTGTGTGTGTAATATTTTGATAAGAAGTTTTATTAAAATCTAGGTT								54674
PolarBear	-----								17480
Cow	GAGCTGTGTATACTCATGATTTGTGTCTTTTTAT- - GTGTATGATTG- TTTCAATACAAAGTTTAATTAATACTAGATT								50016
Dog	- - - - - - - - ACACTTAGGATTTGTGTCTTTTCATATGTGTATATATG- - TGGTTTGCCAAATTAATACTAGGTT- - - - -								47363
BelugaWhale	GAGCTGTATATACTTACGATTTGTGTCTTTTTATGTGTATATGATTG- TTTCAATATGAAGTTTAATTAATACTAGGTT								46050
Donkey	CACATGTGT- TTCTGGCTATCCA- GTCTCTCTTAGAAAATTTACATG- - TGCTATCCTAGTACT- - CTGATGTTTAAAA								52015
Cat	GAGCTGTATACTCTTAGGATCTGTGTCTTTTTATATGTATATGTA- A- - TAGTTCACTAAGTTTCAAGTTAAAATCTTTGTT								54091
Ferret	GAGCT- TATACCCTTCTGATTTGTGTCTTTTTATGTGTGTATGTA- A- - TGGTTCACTAGTTTAATTAATACTTA- - - -								54728
Lion	GAGCTGTATACTCTTAGGATCCGTGTCTTTTTATATGTATATGTA- A- - TAGTTCACTAAGTTTCAAGTTAAAATCTTTGTT								51764
Vaquita	GAGCTGTATATACTTATGATTTGTGTCTTTTTATGTGTATATGATTG- TTTCAATATGAAGTTTAATTAATACTAGGTT								46741
Pig	GAGCTGTATACGCTTACAGTTTGTGTCTTTC- - - - - GTTTATGATTGCTTTCAGTATGAAAGTTAAT- AAAATCTAGATT								43769

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Majority	GGCAAGCCAACACTCTGXTCCATGAA- - - TTAATAAATAATGTATGAAX- - - - XATAXTTG- - - - TTAA- TGATAXTTGAA								
	68490	68500	68510	68520	68530	68540	68550	68560	
Human	TGCAAGCCAACACTGCTCCATGAATTATAAGAAAAAATATATGAAGTCATTAATAAATGAAATCATAAAGAAATGTATGAA								54754
PolarBear	-----								17480
Cow	GGCAGGTCACCTCTGCTCCATGAATATTTTTAAGACATGTATGAAA- - - - CATGAATGA- - AGTTCTTTGTTAATAGAG								50089
Dog	GGCAAGCCAACACTCTGTTCCATCAA- - - TTAATAAATAACAGAAAA- - - - GTTATTTG- - - - TTAA- TGATATTTGTT								47428
BelugaWhale	GGCAAGCCAACACTCTGCTCCATGAATTTTTTTTTTAAACGTATGAAG- - - - AGGCTTCCCTGGTGGCACAGTGGTTAAG								46124
Donkey	TGTCA- - CGCCCTTGTTATATGAA- - - - AATGACAGTGCTGAGC- - - - TGTGCTT- - - - TGAGTTGTTTATTCAA								52076
Cat	GGCAAGCCAACACTCTGTTTCATCAG- - - TTAATAAATAATGGAAA- - - - GTTATTTG- - - - CTAA- TCATAGTAGAA								54156
Ferret	GGTTGGCAAGCACTGTTTCATCAA- - - CTAAAAAATAACAGAAA- - - - GTTATTTG- - - - TTAA- TGGAGAACCTA								54792
Lion	GGCAAGCCAACACTCTGTTTCATCAA- - - TTAATAAATAATGGAAA- - - - GTTATTTG- - - - TTAA- TGATAGTAGAA								51829
Vaquita	GGCAAGCCAACACTCTGCTTCATGAATTTTTTTTTAAACGTATGAAG- - - - AGGCTTCCCTGGTGGCACAGTGGTTAAG								46815
Pig	GGCAAGCCATCTCTGCCCAT- - - - TTTTTAAA- ATGTATGAAG- - - - ATACTTG- - - - TTAA- TGATAATGAAG								43831

Majority	A- - AXCTAAT- - - - TGTTAAAX- A- - - - - - - - GXXGATGGAGAX- - - - - - - - AAGAXAAAAAGTATTGGAAAGA								
	68570	68580	68590	68600	68610	68620	68630	68640	
Human	GTAATTTGTTACTGATGTGAGAGAACATGATTGTTAAGCCATAAAAGGAAGATAGAGAACAATGAATAGTATTAATAAAA								54834
PolarBear	-----								17480
Cow	A- - ACATAAT- - - - TGTTAAGGTAAAAAAG- - - - GAAGATGTAGAG- - - - - - - - AGTGAGTATA- GTATTGGAAAGA								50148
Dog	ATTTGTTAAT- - - - AATAGAAAGCTATTTGTTATTGATAATGGAGAACCCTAATTATTAAGCCAAAAAGAGATGGAGGA								47503
BelugaWhale	A- - ATCCACC- - - - TGCCAATACAGGAGATA- - - - CGGGTTCGAGCCCTGGTCCAGGAAGATCCCACATGCTGCAGAGC								46193
Donkey	A- - - - - GGC- - - - AGTGAAAGGTC- - - - - - - - AACTATCCAGTCACTCTTTTTTTCTCCTGTTCCCTCTTATAAAAG								52135
Cat	A- - ACCTAAT- - - - TGTTAA- - - - - - - - - - - - - - GCTAA- - - - - - - - - - - - - - AAAGAGAAGATGGAGAA								54192
Ferret	ATTATTAAGC- - - - TATAAAA- - - - - - - - - - - - - - GAAGATGGAGAA- - - - - - - - - - - - - - AAGTGAATAGTATTGGGAAGA								54843
Lion	A- - ACCTAAT- - - - TGTTAA- - - - - - - - - - - - - - GCTAA- - - - - - - - - - - - - - AAAGAGAAGATGGAGAA								51865
Vaquita	A- - ATCCACC- - - - TGCCAATACAGGAGATA- - - - CGGGTTCGAGCCCTGGTCCAGGAAGATCCCACATGCTGCAGAGC								46884
Pig	A- - ACATAAT- - - - TATTAAGGTAAAAAT- - - - - - - - GGAGATGGAGAAC- - - - - - - - AATGACTA- - - GTATTGGAAAGA								43887

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Majority	AAGTTAAACAGTAXTGAAX-CAAATACTTATA-X-XT-TATAGAXTATATA- - - - -TACATACATXXX	
	68650 68660 68670 68680 68690 68700 68710 68720	
Human	AGTATGAATAGTATTGAATAAAAATATGAATAGTATTGAAAAAATACAGACTAAGTATAATATTTATATATATATGCTT	54914
PolarBear	-----	17480
Cow	AAGATATGCAGTAGATAA- - - - -GTGCTTATATG- - C- - - - -TTGTATGGAGTATATATG- - - - -TACATACATGCTT	50209
Dog	AAGTTCAATAGTATTGGGGAAGAAAGTTTGTATA- - CATCCTTTTTATAGACTAGATACA- - - - -TATTTACTCATAT	47574
BelugaWhale	AACTAAGCCCATGCACCA- - CAACTACTGAGCCT- - G- - - -CTCTCTAGAGCCTGCAAA- - - - -C- CACAATTAC- T	46255
Donkey	GTAACATGCATCCTTGAGAGGGATGACTCAGA- - - - -ATAGAGTTTATGTA- - - - -T- - -TGAATGCTT	52191
Cat	AAGTG- AATAGTACTGGGGGAAAGGTATGTA- - - - -ATAGACATATCGCA- - - - -CACACACACCTAG	54250
Ferret	ATGT- - - - -ATGTTGTAGACATACACCTATGTA- - C- - - -TTATACAGACTAGATACA- - - - -TATATGCTTGTGT	54903
Lion	AAGTG- AATAGTACTGGGGGAAAGGTTTGTA- - - - -ATAGACATATCGCA- - - - -CACACACACCTAG	51923
Vaquita	AACTAAGCCCATGCACCA- - CAACTACTGAGCCT- - G- - - -CTCTCTAGAGCCTGCAAA- - - - -C- CACAATTAC- T	46946
Pig	CAAGTATGCAGTAGCTAAT- CAAGTACTTATGTG- - C- - - -TTGTGTAGAGTACATATA- - - - -TACGTGTCTATGT	43952

Majority	G- - - -TG- A- - -XATATCTCTGGAAGGATACCCA- - - - -AGATAAATATTG- TGAGGAXTGGGTAGGGGAAAGCAGACAGG	
	68730 68740 68750 68760 68770 68780 68790 68800	
Human	GTAGATGTAGCTAGTATCTCTGGAAGGATATCGA- - - - -AGATAAATACTG- TGAGGGGTTGGTAGGGGAAAATAGACTGG	54988
PolarBear	-----	17480
Cow	GAATATGTAGGTGATGTCTCTGGAAGAATACCCA- - - - -AGAT- -TATTG- TGAGGG- TTCGTAGGGGAAAGCATAACAGG	50280
Dog	G- - - -TGAAGATGGTATCTCTGGAAGGATACCCA- - - - -TGATAAATATTGGTGAGGAATGTTTAGGGGAAAGCAGACAGG	47645
BelugaWhale	GAGCCACATGCCACAATACTGAAACCCACGCGCTTAGAGCCCGTGCTC- TGCAAC- AAGAGGAGCCACCGCAATGAGA	46333
Donkey	- - - - -C- - - -CTATGTGT- GAGGCATA- - - - -TGCT- - - -AGGCAGGCGGGAGACAAGGCAGGATCA	52239
Cat	G- - - -TG- - - - -ATATATGGAAGGGTACCCA- - - - -TGATAAATATCGGTATGGAATGGGTATGAGAAAGGATACAGG	54313
Ferret	G- - - -TGTAGATGGTATCTCTGGAAGGATACCCA- - - - -TGATAAATATTGGTGAGGAATGCGTTTGGGAAAGCAGCTAGG	54974
Lion	G- - - -TG- - - - -ATATATGGAAGGGTACCCA- - - - -TGTTTATATCGGTATGGAATGGGTATGAGAAAGGATACAGG	51986
Vaquita	GAGCCACATGCCACAATACTGAAACCCACGCGCTTAGAGCCCGTGCTC- TGCAAC- AAGAGAAGCCACCACAATGAGA	47024
Pig	G- - - - -GATGTCCCTGGAAGGATACCCA- - - - -AGGTAATATTGGTGAGGG- TGTGTAGGGTAAAGCAGCCAGG	44015

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Majority	G- TGACAGGGTTGCAGAGGAAACTT- - AACCTTTTGTACCATTT- GXATAGTATXCC- - - - - A- TGATCATGTGA								
	68810	68820	68830	68840	68850	68860	68870	68880	
Human	G- TGACAGAGTTCAG- GGAATTTTAACTCTTAAATACCACTT- TTATACCAT- - - - - GATCATG- GA								55048
PolarBear	-----								17480
Cow	- - TGAGTGAGTTGCAGAGGAAAGTT- - AACTTTTTATACTGTTT- GGATAGTATGCC- - - - - A- TGATCATGTGA								50344
Dog	G- TGATAGGGTTGCAGAGGAAAC- - - - AACCATTTGTACCATTT- GAATAGCATAACC- - - - - A- TGATCATGTGA								47708
BelugaWhale	AGCCTGTGCACCGCGATGGAGAGTA- - GCCCCTACTCGCCACAA- CTAGAGAAAGCCCGCGCACAGCAACGAAGACGCGA								46410
Donkey	GTTTGA AAAAGCTATAGTGGGGCCT- - - TCCTGCCTTGAC- TTTAGAATAG- ATGGT- - - - - T- CATTGGCAAATGGG								52306
Cat	G- TGACAGGGTTGCAGAGGAAACTTTTAACTTTTGTCCATTTTGGATAGTAT- - - - - ATCATGTGA								54375
Ferret	G- TGATAGGGTTGCAGAGGAAACTT- - AACCATTTGTACCATTT- GGATAATATATC- - - - - A- TGATCATGTGA								55039
Lion	G- TGACAGGGTTGCAGAGGAAACTTTTAACTTTTGTCCATTT- GGATAGTAT- - - - - ATCATGTGA								52047
Vaquita	AGCCCATGCACCGCGATGGAGAGTA- - GCCCCTACTCGCCACAA- CTAGAGAAGGCCAGCGCACAGCAACGAAGACGCGA								47101
Pig	G- TGCCTGGTTCCAGAAGAAACAT- - AACTTTTCGTA CTGTTT- GTGTAGTATTCC- - - - - A- TGCTCATGCGA								44080

Majority	TTCCTGTTTTAAAAG- ACA- - - - - TTCATTATTTGAAXTAG- A- - - GATGTTAGTGTTTTCTAAG- - - - -								
	68890	68900	68910	68920	68930	68940	68950	68960	
Human	TTCCTATTTTAGAAAACA- - - - - TTTTATTATTTGAAGCAG- - - - - ATGTTAGTGTTTTCTAAG- - - - -								55103
PolarBear	-----								17480
Cow	TTCCTGTTTAGAAAAGGTAT- - - - - TTGATTCAGTTATTTGAAATAGTA- - - GCAGA- AGGGTTGTTCTAAG- - - - -								50406
Dog	TTCCTGTTTCAGAAAAG- ACAG- - - - - TCATTCCATTATTTGAAAGAGGA- - - GATGTTAGTGTTTTCTAAA- - - - -								47771
BelugaWhale	TGCAGCCAAAAATAAATAAATAAATGTCAGTTTATTTATTTAAAAAATAAATGGGGGAGGGAGATGCAAGAGGGAGGAGA								46490
Donkey	TTTTTATTTCTTGGTTTGTCTGCTTGCTTGTTTGTGTTTGGTAA- - - - - AATGTATCCACAAG- - - - -								52368
Cat	CTCCTGTTTTAAAAG- ACA- - - - - TTCATTATTTGAAGTAGGA- - - GATGTTAGTATTTTCCAAG- - - - -								54434
Ferret	TTTTATTTTAAAAG- ACA- - - - - TTCATTATTTGAAAGAG- - - - - ATGTTAGTATTTTCTATG- - - - -								55095
Lion	TTCCTGTTTTAAAAG- ACA- - - - - TTCATTATTTGAGGTAGGA- - - GATGTTAGTATTTTCTAAG- - - - -								52106
Vaquita	TGCAGCCAAAAATAAATAAATAAATGTCATTTTATTTATTTAAAAAATAAATGGGGGAGGGAGATGCAAGAGGGAGGAGA								47180
Pig	TTCCTGTTTTAAAAG- - - - - ACATTCCGTTATATGAAGTAGCA- - - AATGCTAGAGTTGTTCAAAG- - - - -								44139

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Majority	-- TTGTGATATTT CXATGCTTATAAT- AXATAAATAT- - - - - ATGTAAGGACATG- TTCACTAATGAAGAA- AGTAAT	
	68970 68980 68990 69000 69010 69020 69030 69040	
Human	-- TTGTGGTAG- TCTATGCTTGTTATTATAGATAAAT- - - - - ACAGTAAGAACATG- TTCACTAATGAAGAA- GATAAT	55172
PolarBear	-----	17480
Cow	-- TTGTGATATTTCCATGCTTATTA- - TAATAAATGT- - - - - ATGTA- - GACATG- TTCACTAATGAAGAA- AGTGAT	50471
Dog	-- TTGTGATATTTCTTTG- - TAGTAACAGATAACTAT- - - - - ATTCAAGGACATGCTCCACTAATGAAGTA- ATTAAT	47839
BelugaWhale	TATGGTGATATATGTATATGTATAGC- TGATTCACITTTGTTATAAAGTAGAACTAA- CACACCATTGTAAAGCAATTAT	46568
Donkey	---- AAGATGTTACCTCACCATGGCTA- - AAATAC- - - - - AAAATGTGGAT- - - - - TTCATAATTCCAAAGTCTTAAG	52431
Cat	-- TTGTGATATTTCCCATGCTTGCAATAACATAAATAT- - - - - ATGTAAGGACATGCTTCACTAGTGAAGGA- AGTAAT	54504
Ferret	-- TTGTGATATTTCTTTGCTTATAGTAACATAAATAT- - - - - ATCCAAGGACATGGTTTACTAATGAAAGA- AGTAAT	55165
Lion	-- TTGTGATATTTCCATGCTTGCAATAACATAAATAT- - - - - ATGTAAGGACATGCTTCACTAGTGAAGGA- AGTAAT	52176
Vaquita	TATGGTGATATATGTATATGTATAGC- TGATTCACITTTGTTATAAAGTAGAACTAA- CACACCATTGTAAAGCAATTAT	47258
Pig	-- TTGTGATAGTTCATGCTTGTTA- - TAATAAACGTT- - - - - ATGTAAGGACATG- TTCACTAATGAAGAA- AGTGAC	44207

Majority	ATTGCAGTAAAXTACTTAAAATACT- - - - T- - - - - TXAXTCA- - - - -	
	69050 69060 69070 69080 69090 69100 69110 69120	
Human	ATTGCAATGAGCTACTTAAAATATT- - - - - TAAAT- - - - -	55202
PolarBear	-----	17480
Cow	ATTGCAATGAGCTACTTAAAATACTTTATTTAAATTTGTATTGGACTA- - - AATATGTTCAAATATTTA- - AA- - - - -	50539
Dog	ATTGCAGTACACTACTTAAAATACT- - - - T- - - - - TGAGTCA- - - - -	47872
BelugaWhale	ATGCCAATAAA- GATGTTAAACAAAAAAGCTACACATAAATGAGACCAAAAAATGTATGAAGTTACTTGTTAATGATAAT	46647
Donkey	CTTACTGTAAA- - - - - GAAAACTCTTAATT- - - - TTTATTGTGAAACA- - - - -	52470
Cat	ATTGCAGTACACTACTTAAAATACT- - - - T- - - - - CAAGTCA- - - - -	54537
Ferret	ATTGCAGTACATTACTTAAAGATACT- - - - T- - - - - TGAGTCA- - - - -	55198
Lion	ATTGCAGTACACTACTTAAAATACT- - - - T- - - - - CAAGTCA- - - - -	52209
Vaquita	ATGCCAATAAA- GATGTTAAACAAAAAAGCTACACATAAATGAGACCAAAAAATGTATGAAGTTACTTGTTAATGATAAT	47337
Pig	ATTGCAGTGAG- TGCTTAAAATAAT- - - - - AAATATGTATTGGGTCA- - - AATATATT- AGATATTTA- - AAT- - - - -	44268

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Majority	----- TTTAGTCA--A--XTATATAA-----								
	69130	69140	69150	69160	69170	69180	69190	69200	
Human	----- ACA----- TTTAAACATTTGAATAGATAC----- TGC-----								55229
PolarBear	-----								17480
Cow	--- AAAC--- ATTGTTCTAGAAATACTTTTCATCCCTCTTTT-ATAA--- TATCTATAAG----- TCGTGTAAATG								50599
Dog	----- T----- TTTAGCCA- A--- TATATAA-----								47889
BelugaWhale	AGAGAACGTAATTGTTAAGGTAAAAAAGGAAGATGGAGAACAGTGAATAGTATTGGAAAGAAAAGTATGCAGTAGATAAG								46727
Donkey	----- TTTCATACAGACAATACACAA-----								52491
Cat	----- C----- CTCAGCCA- A--- TATATAG-----								54554
Ferret	----- C----- GTTAGCCA- G--- TATAGAA-----								55215
Lion	----- C----- CTCAGCCA- A--- TATATAG-----								52226
Vaquita	AGAGAACGTAATTGTTAAGGTAAAAAAGGAAGATGGAGAACAGTGAATAGTATTGGAAAGAAAAGTATGCAGTAGATAAG								47417
Pig	-- TAAAC--- ATTGCTCTAGAAATCCTTTTATCTCTTTTTTATAACTATTCTCTATAA----- TGGTATAAATG								44333

Majority	----- TTTAT----- XAGGT XATAT- T- X- ATT-----								
	69210	69220	69230	69240	69250	69260	69270	69280	
Human	----- TCTAT----- AAAACTAATTTTACCAATT----- T								55254
PolarBear	-----								17480
Cow	TGTCCTA----- TTGTATTAAATATTTAT--- CATATATTTCAAATGT- TGGATT- TTAGTCACTTTAGCTAACATAA								50667
Dog	----- A----- TTTGT----- AGGCCTAAT- T--- ATT-----								47908
BelugaWhale	TACTTAACATGTTTGTATGGAGTACATATATACATATATGCTTGTGTATGTAGGGAAAGCAGACAGGGT GACTGAGTTGC								46807
Donkey	----- A- TGTTCATAAACATTTTAAAGAATATTAATGAAAT-----								52526
Cat	----- A----- TCTGT----- AGGTCATAT- T--- ATTG-----								54574
Ferret	----- G----- TTTAT----- AGGCCATAT- T--- ATT-----								55234
Lion	----- A----- TCTGT----- AGGTCATAT- T--- ATTG-----								52246
Vaquita	TACTTAACATGCTTGTATGGAGTACATATATACATATATGCTTGTGTATGTAGGGAAAGCAGACAGGGT GACTGAGTTGC								47497
Pig	TATCT----- TTCTAAAAAATATTTGT--- TTCAAAATGTTGGAT- T- TGAATTAATGAGTCACTTTGGCTAACTTCA								44401

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Majority	----- AXTT -----								
	69450	69460	69470	69480	69490	69500	69510	69520	
Human	----- AATT -----								55331
PolarBear	----- ATTT -----								17518
Cow	TCTTTGCGACCCCA- TGAATCGCAACACGCCAG- GCCTCCCTGTCCATCACCAACTCCCGGAGTTCACCCAGACTCACGT								50883
Dog	----- ATTT -----								47997
BelugaWhale	CACTAATGAAGAAAGTGAACAGTGAGCTACTTGCAATGAGCTACTTAAATACTTTATTTAAATATATATTGGGTAAAT								47046
Donkey	----- CTGGCC- - - GAGCT- -----								52625
Cat	----- ATGT -----								54664
Ferret	----- AATT -----								55323
Lion	----- ATGT -----								52336
Vaquita	CACTAATGAAGAAAGTGAACAGTGAGCTACTTGCAATGAGCTACTTAAATACTTTATTTAAATATATATTGGGTAAAT								47734
Pig	----- AGTT -----								44503

Majority	-----								
	69530	69540	69550	69560	69570	69580	69590	69600	
Human	-----								55331
PolarBear	-----								17518
Cow	CCATCGAGTTAGTGATGCCATCCAG- - CCATCTCATCCTCTGTCGTCGCCCTTCTCCTCCTGCCCCA- ATCCCTCCCAGC								50960
Dog	-----								47997
BelugaWhale	ATGTTCAGATGTTTAAATTAACA- - - - TTGTTCTAGAAATCTTTTTATCCCTCTTTTTTATAACTATATTCTTTATAGT								47122
Donkey	----- G- -----								52626
Cat	-----								54664
Ferret	-----								55323
Lion	-----								52336
Vaquita	ATGTTCAGATGTTTAAATTAACAAACATTGTTCTAGAAATCTTTTTATCCCTCTTTTTTATAACTATATTCTTTATAGT								47814
Pig	-----								44503

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Majority	----- CAGTGAATTAA-----								
	69610	69620	69630	69640	69650	69660	69670	69680	
Human	----- AGTAAGTCA----- T-----								55341
PolarBear	----- CAGTGAACTA-----								17528
Cow	ATCAGGGTCTTTTCCAATGAATCAACTCTTTGCATGAGGTGGCCAAAGTACTGGAGTTTCA----- GCTTTAGCA								51030
Dog	----- CAGTGAACTG-----								48007
BelugaWhale	AGTGTA AATATGCCCATTTGTATTAAGTATTTATTGTATGTT- TCAAAATGTTGGATTTGAATTAACAAGTCACCTTTAACA								47201
Donkey	----- TAGGGGAGACAAG-----								52639
Cat	----- CAATGAAATGAC-----								54676
Ferret	----- CATTGAACTA-----								55333
Lion	----- CAATGAAATGAC-----								52348
Vaquita	AGTGTA AATGTGCCCATTTGTATTA AATATTTATTGTATGTT- TCAAAATGTTGGATTTGAATTAACAAGTCACCTTTAACA								47893
Pig	-----								44503

Majority	----- TTTTTTT----- X----- XT----- ATXTCCA----- ACT-----								
	69690	69700	69710	69720	69730	69740	69750	69760	
Human	----- TTTGACT-- A----- ATACATA----- AAT-----								55359
PolarBear	----- TTTTTTT----- T----- GTTTCCA----- GCT-----								17546
Cow	TCA----- TTCCTTCAAAGAAATCCAAGGCTGAT- CTCAGTCAAATGAGC----- ATCCCCT----- CACC-----								51087
Dog	----- TTTCTTT----- T----- TT----- ATTTCTA----- GCT-----								48027
BelugaWhale	TAAATTTATAGGTCATATTTTATCAGCATTTAGATGATGAAGTTTGACTAGATGAGTGTGTGATCTCTTTGAGTACCAAG								47281
Donkey	----- GTCCTTG----- AGCTACAGCAGAAATAA-----								52663
Cat	----- TTTTTTT----- T----- TT----- GTTTCCA----- GCT-----								54696
Ferret	----- TTTTTT----- GTTTCCA----- GCT-----								55349
Lion	----- TTTTTTT----- T----- TTTTTTT----- GTTTCCA----- GCT-----								52373
Vaquita	TAAATTTATAGGTCATATTTTATTAGCATTTAGATGATGAAGTTTGACTATATGAGTGTGTGATCTCCTTGAGTACCAAG								47973
Pig	----- TAC----- T----- GAAATGACC----- ATCCTCTA----- CACC-----								44528

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Majority	----- TTATTGAG- ATAAAA- - TAGAT- ACA- - TTGTGTAA- XTTTAAGGTATATAATGTGTTGATTTG								
	69770	69780	69790	69800	69810	69820	69830	69840	
Human	-----	TTATAGA-	- - TAAAA-	TTAAGTAGCA-	TTTAAATGATTGTTT	TAGATATATA-	TCTGGACTCTCA		55417
PolarBear	-----	TTATTGAG-	ATATAA-	- TTGAT- ATA-	- TTGTGTAA-	- TATAAGGTATACAGT	GTGTTGACTTG		17602
Cow	--- T-	-----	TTGTTGAG-	ATAATAGACATAT-	ACA-	- TTGTGTAAATTTT	AAGATATACAAC	TATTTATTTG	51148
Dog	-----	TTATTGAG-	ATAAAA-	- TGGAT- ATA-	- TTGTGTAA-	- TTTAAGGGATATAAT	GTATTGATTTG		48083
BelugaWhale	CTATATGATTTT	CCTGGTTATGTAATATTTT	CAGTCAAATGACCATCCTCCCACCTTTTTTT	GAGATATAATT	CACATATACA				47361
Donkey	----- T-	-----	GGCCACAGGG-	ATATGG-	- CTGATGTCTCTTTTTTT	CCTTCTTAAGGTTGCTAT	GTTCTGTCTCC		52727
Cat	-----	TTGTTGAG-	ATAAAA-	TTGAT- ACA-	- TTGTGTAA-	- TTTAAGGTATATAATT	GTGTTGATTTG		54754
Ferret	-----	TTATTGAG-	ATATAA-	- TAAAT- ATT-	- TTGTATAA-	- TTTAAGATATATAAT	GTGTTGATTTG		55405
Lion	-----	TTATTGAG-	ATAAAA-	TTGAT- ATA-	- TTGTGTAA-	- TTTAAGGTATATAATT	GTGTTGATTTG		52431
Vaquita	CTATATCATTTT	CCTGGTTATGTAATATTTT	CAGTCAAATGACAATCCTCCCACCTTTTTTT	GAGATATAATT	CACATATACA				48053
Pig	--- T-	-----	TTATGGAGTATGATTGGT	TAGATGACC-	- TGGTGTGAGT	TTTAAGGCCTGTAGCTT	GTTGATTTG		44591

Majority	ATACATT----- T- ATATATTGCAAAATGATTACCACCA- - - - - TAGCTAATATGTTXXC								
	69850	69860	69870	69880	69890	69900	69910	69920	
Human	AGCC-	-----	-----	-----	GTGTGATCTGTGGTT-	-----	ATATAATATTTTAGT		55451
PolarBear	ATACACT-	-----	-----	TTATATATTTT	CAGAATGATTACCGCT-	-----	TAGCAAATGTGCTGCT		17652
Cow	ATTTATTTATGTTTTG-	CAAAATGAT-	TTATTTATGTTTT	GCAAAATGATTACCAAC	CACTTTAGCTAAC	AGGTCCAG			51226
Dog	ATACACT-	-----	-----	T- ATATATTGCAAAAT	GATTACCACCA-	-----	TAACAAATGTGTTGTC		48132
BelugaWhale	TTGTGTGGGTTTTA	AAGGTGATTTGAT-	ATATTTATATTT	CGCAAAATGATTACCACC	ACCACATTAGTTAAT	AGGTCCAG			47440
Donkey	AGCTCTCAGGAGTAAAT	CAAACTAATCATACTTCT	CTATGGTCAAATCAGGGCTCTCA-	-----	GCTAATACAGCAGC				52799
Cat	ACACACT-	-----	-----	T- ACGGATTGCAAAAT	TATTTCTACCA-	-----	TAGTATATGTGCTTTC		54803
Ferret	ATACAC-	-----	-----	ATATATTGCAAAAT	GTTTACCGCCA-	-----	TAGCAAATATGCTGCT		55452
Lion	ACAC-	-----	-----	ACGGATTGCAAAAT	TATTTCTACCA-	-----	TAGTATATGTGCTGTC		52476
Vaquita	TTGTGTGGGTTTTA	AAGGTGATTTGAT-	ATATTTATATTT	CGCAAAATGATTACCACC	ACCACATTAGTTAAT	AGGTCCAG			48132
Pig	ATATATT-	-----	-----	-----	GCAGAATGATTACTACCACC	ACCATTAGTAAT	AGGTCCC		44638

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Majority	AAAGAA- - - - AXCACTXXATGA- TTT- - - GTTTATTCTXGTA- AGTGTTGTGCTAATCTT- - - XTGT- - T- - TXCCTTTT										
	69930	69940	69950	69960	69970	69980	69990	70000			
Human	AAAATG- - - - - ACT- - - - - TTTCTTGTTTATTCTCCTG- - - - AGTGCCTAATTCTTTTGTAT- - - - - TCTCTTT										55507
PolarBear	AGAGGG- - - - AGCACTGACTATTTGT- - - GTTTATTCTCATA- AGTGTTGGCCTAATTCTTTTGTGTTCT- - - TCCTTTT										17721
Cow	AAAAAATGTGACACTTCATGAATTTGGGGGT CATATTTGCATAGGACCATGTTAAACT- - - - CTGTATTGTTTCAATGT										51302
Dog	AAAGGG- - - - AGCACT- - - - - GTTTGTTTTCATA- AGTGTTGTCTAATTCT- - - - - AT- - - - -										48176
BelugaWhale	AAAAAATGTGACACTTCATGATTTTGGGG- TCATATTTGCATAGGGCCATGCTAATCT- - - - CTGTGTTGTTCCAGTTT										47515
Donkey	AACGCATGAAGGGAAAAAAGA- - - - - AACTTCACTAGCAAATAGTCAAGCTAAATC- - - - - AATCACATAT										52861
Cat	AAAGTT- - - - ACCAGT- - - - - TTT- - - GTTTATTCTCTTA- TCTTTTGTGTTTCGCCTT- - - - - CCTTTT										54854
Ferret	AGAGGG- - - - AGCACTGACTATTTTT- - - GTTTATTCTTATA- AGTGTTGGCCTAATTCTTTTGTGTTCTCCTTCCTTTT										55524
Lion	AAAGTT- - - - ACCAGT- - - - - TTT- - - GTTTATTCTCATA- TCTTTTGTGTTTGCCTT- - - - - CCTTTT										52527
Vaquita	AAAAAA- TGTGACACTTCATGATTTTGGGG- TCATATTTGCATAGGGCCATGCTAATCT- - - - CTGTGTTGTTCCAGTTT										48206
Pig	CAGAAA- TGTAACACTTCATGAATTTGGGGT TATGTTTGCATAGGTCCATGCTAATCTTCT- CTGTATTGTTCCAATTT										44716

Majority	CAGXTTTTATGCTGCTXAGTTGA- TATTXCTATTCATTTAXCAATATA- - - GXTTTTTT- - T- - - - - - - - - - -										
	70010	70020	70030	70040	70050	70060	70070	70080			
Human	CA- - - - TTAACCTGTTGATATAGATTTTTCAAACCTGTAAACCTATGTATAGGTATTTGT- - - - - - - - - - - - - - - -										55562
PolarBear	CGTATATCATGGTGTGCAGTTGA- TATTCCTATTCATATGCCAATATA- - - GGTTTTTC- - - - - - - - - - - - - - - -										17776
Cow	TGGTATGTGTGCTGCTAAAGGGAGCACGGATCCTTCCTTATACATAGT- - - GTTCTTATTCTTTTGTGTTTGTCTTCCTT										51379
Dog	- - - - - CATGGTGTTCAGTTGA- TATTCCTATTCATCTGCCAATACA- - - GCTTTTTTC- - - - - - - - - - - - - - - -										48224
BelugaWhale	TAGTATATGTGCTGCTGAAGGGAACACTGATCATTCTTATTATCATAAATGTTCTCATTCTTTTGTATCCGCCTTCCTT										47595
Donkey	AAGGATCTGAGGTGGGCTTATTAGAGTCTTTAGCCATTAAAGAGTAACTGGGACATGAC- - T- - - - - - - - - - - - - - - -										52921
Cat	CAT- - - TTATCATGCTCAGTTTA- TATTCCTATTCATCTGCCAGTACA- - - GCTTTTTCTTTTTTAAAAAAAATTTTT										54927
Ferret	CTTTTATCAAGGTGTTTTCAGTTGA- TATTTCTGTTTCATCTCTT- - TCAA- - - GCTTTTTT- - - - - - - - - - - - - - - -										55577
Lion	CAT- - - TTATCATGCTGAGTTTA- TATTCCTATTCATCTGCCAGTACA- - - GCTTTTTTC- - - - - - - - - - - - - - - -										52579
Vaquita	TAGTATATGTGCTGCTGAAGGGAACACTGATCATTCTTATTATCATAAATGTTCTCATTCTTTTGTATCCGCCTTCCTT										48286
Pig	TAGTGTATGAACTGCCGAAACAAGCACTGATCATTCTTTATTCTCATA- - - AGTGCCTCATTTTGTGC- - - TGTCCTTT										44790

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Majority	----- TXXX----- X-								
	<table border="0" style="width:100%"> <tr> <td style="width:10%">70090</td> <td style="width:10%">70100</td> <td style="width:10%">70110</td> <td style="width:10%">70120</td> <td style="width:10%">70130</td> <td style="width:10%">70140</td> <td style="width:10%">70150</td> <td style="width:10%">70160</td> </tr> </table>	70090	70100	70110	70120	70130	70140	70150	70160
70090	70100	70110	70120	70130	70140	70150	70160		
Human	----- 55562								
PolarBear	----- 17776								
Cow	TTCATTTATCGCTGTGCTTTGTTTATAT- ATACGCCTGTTCTGCCAGTACAAC- TCTTCAAAGTAAAG- - - CA 51453								
Dog	----- 48224								
BelugaWhale	TTCATTCATCACTGTGCTCTGTTT- - - - ATATTCCTGTTTCTGCAATACAAC- TTTTCAAAGTAAAG- - - CA 47665								
Donkey	----- TGCC----- CT 52927								
Cat	TCAACGTTTATTTATTTTTGGGACAGAGAGACAGAGCATGAACGGGGGAGGGGCAGAGAGAGGGGAGACACAGAATC 55007								
Ferret	----- 55577								
Lion	----- 52579								
Vaquita	TTCATTCATCACTGTGCTCTGTTT- - - - ATATTCCTGTTTCTGCAATACAAC- TTTTCAAAGTAAAGAAAGCA 48360								
Pig	TTCATTCATCACTGTGCTTTATT- - - - - AT- - - CCTATTCATCTGCCAGTACAGCTCTTTTCAAAGTAAAG- - - CA 44857								
Majority	X- - XX- AGGTATTXGTCAXTATTAXAT- XAAC- - TX- XXTGXCXXX- XXT- - GXXXT- XXXXXXXX- AGAXAAGGTAGAAA								
	<table border="0" style="width:100%"> <tr> <td style="width:10%">70170</td> <td style="width:10%">70180</td> <td style="width:10%">70190</td> <td style="width:10%">70200</td> <td style="width:10%">70210</td> <td style="width:10%">70220</td> <td style="width:10%">70230</td> <td style="width:10%">70240</td> </tr> </table>	70170	70180	70190	70200	70210	70220	70230	70240
70170	70180	70190	70200	70210	70220	70230	70240		
Human	----- GGTATTTGTCATTGTTATATTTTAGAACTATTTGCCTTTGTAT-- GTTTTTTGACCAC- AGATAAGGTAGAAA 55632								
PolarBear	----- 17776								
Cow	GCATAGAGGTGTTAGTTACTATTATATTTAACAGTTATTTGCCTTTATATAGGTTTTTTGACCCCAAATAAGGTAGAAA 51533								
Dog	----- 48224								
BelugaWhale	ATGTAGAGGTATTTGTCATTATTATATCTAACAGTTATTTGCCTTTATATAGGTTTTCTGACCCC- AGATAAGGTAGAAA 47744								
Donkey	GTGTGAAAATAAAAAATAGTAGAA- - - - AAC- - T- - - - - T- - G- - - - - - - - AAG- - AAATATAAA 52969								
Cat	GGAAACAGGCTCCAGGCTCTGAGCCATCAGCCCAGAGCCTGACGCGGGGCTCGAACTCACGGACTGCGAGATCGTGACCT 55087								
Ferret	----- 55577								
Lion	----- 52579								
Vaquita	GTGTAGAGGTATTTGTCATTATTATATCTAACAGTTATTTGCCTTTATATAGCTTTTTCTGACCCC- AGATAAGGTAGAAA 48439								
Pig	GTGTAGAGGTATTTGTCACTATTATATTTAACTGTTCTTTGCCTTTATATAGGTTTTCTGACCCC- AGATAAGGTGGGAA 44936								

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Majority	GAAAXTAXT- - - XCXXXTXA- - GA- - XXG- CA- - - - XATAATAGXAAAGXXATAATAGTAAXCAATGCAGXAATTTAGGA								
	70250	70260	70270	70280	70290	70300	70310	70320	
Human	GAAATTATTT- -	CCTTATCATAGA- -	CTGTCATCATAATAACAGGAAAGGGATAATAGTAATAAAGGCAGTCTTTTTGG- A						55707
PolarBear	-----	-----	-----	-----	-----	-----	AAACTCTAAAGCAATGTAACG		17797
Cow	ACAATTATTT- -	CCTTATCAGTGAATCTGTCAGAGAAATAATAGAAAAGACATAATGGTAATAAAGGCAGTGTTTCTGGA							51611
Dog	-----	-----	-----	-----	-----	-----	AAACTATAAAGCAATGTAGCA		48245
BelugaWhale	GAAATTATT- - -	CCTTATCAGTGAATCTGTCAGT- -	AATAATAGGAAAGGCATAATAGTAATAAAGGCAGTCTTTTTGGA						47819
Donkey	GAAACAA- - - - - -	-----	-----	ACATTTTCATACATAGGACAACAACCAGTGCAAGAAAAGGGG					53019
Cat	GGCTGAAGTCGGACGCTTAACCGACTGCGCCACCCAGGCGCCCCCAGTACAGCTTTTTTCAA	ACTGTAAAACAATGTAGTA							55167
Ferret	-----	-----	-----	-----	-----	-----	AAACTCTACAGCGATATAACA		55598
Lion	-----	-----	-----	-----	-----	-----	AAACTGTAAAACAATGTAGTA		52600
Vaquita	GAAATTATT- - -	CCTTATCAGTGAATCTGTCAGT- -	AATAATAGGAAAGGCATAATAGTAATAAAGGCAGTCTTTTTGGA						48514
Pig	GATACTATTT- - -	CCTTATCAGTGAATCTGCCAGT- -	AATAATAGGAAAGGCATAATAGTAATAAAGGTAGTCTTTTGAAG						45012

Majority	GXATTTGACATXG- - XTTAGTTXACA- ATTXTCTGCAAXTAT- TGXGTTTTTTTCAACTCCAGATATATA- XXX- - - CAXA								
	70330	70340	70350	70360	70370	70380	70390	70400	
Human	GCATTTAACATAAATATTTGATTGACAGATTTCTACAAATAC- TGTGTTTATTCAATTTTATGGGTATA- TTTTTTTCGCA								55785
PolarBear	GTATTTGTCATTG- - -	TTACTTAACA- GTTATTTGCCTTTATGTAGGTTTTTTT- GACTCCAGATAGGTA- - - - - - GAAA							17865
Cow	GCATTTAACATAG- ATTTAGTTGACA- -	TTTCCTAAAAATAC- TGTATTTTCTCAATTCTGTATATAT- -	TTTTTTTCACT						51685
Dog	GTATTTGTCATTG- - -	TTGTTTAATA- ATTATTTGCCATTATATAGGTTTTTTT- GACTCCAGATAGGTA- - - - - - GAAA							48314
BelugaWhale	ACATTTAACATATGATTTAGTTGACAGATTTCCCAAAATAC- TGTATTTTTTCAGCTCCATATATATAATTTTTTTT	CACA							47898
Donkey	AAAAATGAGGTGA- -	ATGAGCCCTGA- - -	TCTCTCCAGCTTTGTGCCTGTAGTCACTTTCTGGAATATGCCAAGGCAAGA						53094
Cat	CTATTTGTTGTTG- - -	TTACTTAACA- ATTATTTGCCTTTATATAGGTTTTTTT- GACCCCAGATAGGTA- - - - - - GAAA							55235
Ferret	GTATTTGTCATTG- - -	TTACTTAACA- ATTATTTGCCTTTATGTAGGTTTTTTT- GACTCCAGATAG- - - - - - - AAA							55662
Lion	GTATTTGTTATTG- - -	TTACTTAACA- GTTATTTGCCTTTGTATAGGTTTTTTT- GACCCCAGATAGGTA- - - - - - GAAA							52668
Vaquita	ACATTTAACATATGATTTAGTTGACAGATTTCCCAAAATAC- TGTATTTTTTCAGCTCCATATATATATTTTTTTT	CACA							48593
Pig	GCATTTAATATA- - -	TTTAGTTGACAGATTTCTAAAAATTC- TGTATTTTTTCAATTCATATGTAT- -	TTT- - -	CACA					45083

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Majority	TTTTAXTATCTC- - AAATCAATAX- - - - - GATCTGTCATAGTXXXXTXAGCAATATCXTATTXXTXGTA								
	70410	70420	70430	70440	70450	70460	70470	70480	
Human	TTTTAAAATCTCAGAAATTTGA- TGTGTCCTGCAATAGTCTATCTTCCATAGTTCAATTGGCAACATCTTATTAGTCATA								55864
PolarBear	AATTATTTTCTT- - - - ATCAATG- - - - - AATCTGTCACAGT- - - - - AGTAATATTCTGTT- - CTGTA								17916
Cow	TTTTAAAATCTCAGAAATCAAGATATGTCTTATA- - AGTTGATCTGTCATGGTTCAATTAGCAATATCTTATTAGTCCTA								51763
Dog	AATTATTTTCTT- - - - ATCAAT- - - - - CTGTCACAGT- - - - - AGGAATAGTCTATT- - CTGTA								48361
BelugaWhale	TTTTAAAATCTCAGAAATCAAGATGTGTCTTATAATAGTTGATCTGTCATGGTTCAATTATCAGTATCTTCTTAGTCCTA								47978
Donkey	GTTAAGTAACACAGAATATGATA- - - - - GTCTTACTAAGTTGAGGTGACAGATATCAGATTTAGGAGA								53157
Cat	TACTATTTTCTT- - - - ACTGGTG- - - - - AATCTATCATAGT- - - - - AGTAATACTCTAGT- - ATGTA								55286
Ferret	AATTATTTTCTT- - - - TTTAATGG- - - - - AATCTGTCACAGT- - - - - AGTAATACTCTGTT- - CTGTA								55714
Lion	TACTATTTTCTT- - - - ACTGGTG- - - - - AATCTATCATAGT- - - - - AGTAATATTCTAGT- - ATGTA								52719
Vaquita	TTTTAAAATCTCAGAAATCAAGATGTGTCTTATAATAGTTGATCTGTCATGGTTCAATTATCAATATCTTCTTAGTCCTA								48673
Pig	TTTTAAAATCTC- - AAATCAAGAT- - - - - GGTCTGTCATGGTTCAATTAGCAATATCTTATTAGTCGTA								45145

Majority	XATAAXATTATTXXACATTT- - - - - T- - X- - A- - XXAAAA- - - - - TXCTCCA- ATTTTAT-								
	70490	70500	70510	70520	70530	70540	70550	70560	
Human	CATAAAACAATAGTGCATTTTATAATTAATGGTGTATTTGATACCATAAAATGTATGGGAAATATTCTTCATATTATATC								55944
PolarBear	TTT- - - - TTTTTTTCACATTT- - - - - T- - - - - AAAA- - - - - T- CTCAG- TGATTAAA								17951
Cow	CATAAAAGGATAGTGCATTTTACCATTAATGATATATTAGAAACAATAACATGGATGGGAAAGATTCTTTATATTTTATC								51843
Dog	TGTAT- ATTTTTTTCACATTT- - - - - T- - - - - AAAA- - - - - T- CTCA- - - - -								48390
BelugaWhale	CGTAAAATTATAGTGTATTA- - - - - GATACCATAACATGTATGGAAAATATTCTTCATATTTTATT								48039
Donkey	GGCTAAATCACCTGAAATTTGA- - - - - GGTGCTGAGAAGTGAAGAGGAAAGAGAGCAGAGAAAGAGCTCCAGAAATC- - -								53229
Cat	TAT- - - - TTTTTTTCACATTT- - - - - T- - - - - AAAA- - - - - T- CTCA- - - - -								55311
Ferret	TTT- - - - TTTTT- CACATAT- - - - - T- - - - - AAAA- - - - - T- CTCAT- AAATTAAA								55748
Lion	TAT- - - - TTTTTTTCACATTT- - - - - T- - - - - AAAA- - - - - T- CTCC- - - - -								52744
Vaquita	CGTAAAATTATAGTGTATTA- - - - - GATACCATAACATGTATGGAAAATATTCTT- - - ATTTTATT								48731
Pig	CATAAGAAAATTGTGCATTC- - - - - A- - - - TGTAT- - GGAAAATA- - A- - - - TTCTTCATATTTTATC								45197

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Majority	TTGAAG- - TTCCTGAAATTAAXATGGGTTTTGAACTGTGGTATAAXATC- - - TXCTGGTTTAATX- AXTAGTATTT CAGAAG								
	70570	70580	70590	70600	70610	70620	70630	70640	
Human	TTGAAGTTTACCTGAGAATTTTGTGGTTTTG	GGACTAGACTACACGTTGGTTTCTATTCTAAAA-	ATTTTGGTGT	CAGAAG	56023				
PolarBear	AAAAAATTCTAAGAAATTAAGATGTGTCTCAACAGTAGTGAATCTC- - - TCCCGGTTTAATT-	AGCAGTATCTTAGAAG	18027						
Cow	TTGAAGTTTTCCTGAAAATTTTATGGCTGTGTACTGTGGTATACATCGGTTTCTGTTGTAAAA-	ATTTTGGTTTCAAAG	51922						
Dog	- - - - - GAAATTAAGATGTGTTTCAACAGTAATTGATCTG- - - TCCTGGTTTAATT-	AGCAGTATCTTAGAAG	48453						
BelugaWhale	TTGAAGTATTCCTGAAAATTTTATGGCTTTGTAGTATGGTATACATCAATTTCTGTTCTAAAA-	ATTTTGGTTT CAGAAG	48118						
Donkey	- - - - - TGCAAGAGTTACCCTAGAGTCTATTGGTGATACTGAGC- - - TGCCACATGCATAGGGTAAAACCTCCATCAG	53297							
Cat	- - - - - GAAATTAAGATGTGCCTTAAGTGTCTGTTGATTTG- - - TC- TGGTTTAATT-	AGTAGTATTTTAGAAG	55373						
Ferret	AAAATA- - - - TCAGAAATTAAGAGGTGTCTTAACAGTAGTACATCTC- - - TCCTGGTTTAATTTAATAGTATCTTAGAAG	55821							
Lion	- - - - - GAAATTAAGATGTGTCTTAAGTGTCTGTTGATTTG- - - TC- TGGTTTAATT-	AGTAGTATTTTAGAAG	52806						
Vaquita	TTGAAGTATTCCTGAAAATTTTATGGCTTTGTAGTATGGTATACATCAATTTCTGTTCTAAAA-	ATTTTGGTTT CAGAAG	48810						
Pig	TTGAAGCATTCTGAAATTTCTGTGGTTTTGTACTATGGCATAACATCAATTTCTGCTTTAA- - - - TTT-	AGATTCAGAAG	45272						

Majority	- - TTATGCTAGTATGAAAAAGA- - CTTAATXTGTAT- CTGAATATTCCTCXTTTAAGATTXTATTAGAAATAATAAGCT								
	70650	70660	70670	70680	70690	70700	70710	70720	
Human	- TTAAGTGTAGTATGAAAAA- - - - - TGTATTTTCTGAATGTTTCTTATTTTAAGATTGTATTAGAAATAATAAGCT	56092							
PolarBear	- - TTATGCTAGTATGAAAAAGGA- - CTTAATATGTATTCTGAGTATTCCTCCTTTAAGATTGTATTAGAAATAATAAGCT	18103							
Cow	- - TTACACTAGTATCAAAAAA- - - - - ATTTGTAT- CTGAATGTTTCTCTTTTAGGATT- TATTAGAAATAATAAGCT	51992							
Dog	- - TTACGCTAGTCTGAAAAAGA- - CTTAATATGTATCCTGAATATTCCTCCCTTAAGATTATATTAGAAATAATAAGCC	48529							
BelugaWhale	- - TTATGCTAGTATGAAAAAGA- CTTAATTTGTAT- CTGAATATTCCTCTTTTAGGATT- TATTGGAAATAATG- - - T	48190							
Donkey	GCTGGTCAAAGAATGATTGAGGAGCTGTAAGCTGAGCAATGCCATTGCTCATACAGAGCT- TATACAGAGCCAAA- G- -	53373							
Cat	- - TTATGCTACTATGAAAAA- GA- - CTTAATATATGTCCTGAATATTCCTCCTTTAAGATTGTATTAGAATTAATAAACT	55448							
Ferret	- - TTATGGTAATAT- - - - - GTATTCCTCCTTAAGATTGTATTAAAAATAATAAGCT	55871							
Lion	- - TTATGCTACTATGAAAAA- GA- - CTTAATATATGTCCTGAATATTTCTCCTTTAAGATTGTATTAGAAATAATAAACT	52881							
Vaquita	- - TTATGCTAGTATGAAAAAGA- CTTAATTTGTAT- CTGAATATTCCTCTTTTAGGATT- TATTGGAAATAATG- - - T	48882							
Pig	- - TTATACTAGTTTGAAGAAAAAGGCTTGATTTGTAT- CTGAATGTTTCTATTT- AGGATT- TATTAGAAATAATAAGCT	45347							

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Majority	XTGAATCTGXCAAACACTATATCTTG- - TTCTTTTGAAAATAAATTACATTGCCTXTCTTTGCTTGTTCAATA- - - TTGGTC								
	70890	70900	70910	70920	70930	70940	70950	70960	
Human	ATGTATTTATAAAA	ACTACATCTTG- -	TTCTTTTGAGAATA	AAATTACATATCATA	CCTTTGCATGTTCAACA	- - -	TTGATC		56294
PolarBear	GTGAATTTGCCAAAC	TATATTTTG- -	TTCTTTTGAAAATA	AAATTATACTGCCTGT	CTTTGCCTGTTCAAGTA	- - -	TAGGTC		18296
Cow	- - - AATCTGTCAGAC	TACATCATG- -	CTGTTTTGAGAATA	AAATTACATGACTTAT	CTAT- CTTGTTCAAGCA	- - -	TTGGTC		52187
Dog	GTGAATTTGCCAAAC	TATATTTTG- -	TTCTTTTGAAAATA	AAACTACACTGCCTAT	CTTTGCTTGTTCAATA	- - -	AAGGTT		48745
BelugaWhale	- - - AATCTGTCAGAC	TACATCTTG- -	TTGTTTTAAGAGTAA	ATTACACTGACTGTCTT	- CTTGTTCCACA- - -		TTGGTC		48383
Donkey	GTCAAACCTGATCAA	AAAGTAACTTAAAT	GCCTACCAAACAGA	AATCAACACTTTTTAT	TTTATTTATTTATTTA	- - -	TTTATT		53591
Cat	ATGAATCTGCCAAAC	TATATTTTG- -	TTCTTTTGAAAATA	AAGTTACGTTGCCTT	TCTTCGTTGTTCAATT	TATCTAGGTC			55658
Ferret	GTGAATCGGCCCAAC	TGATT- - - -	CTCTTTTGAAAATA	AAATTACATTGCCTGT	CTTTGCTTGTTCAAGTA	- - -	TAGGTC		56072
Lion	ATGAATCTGCCAAAC	TATATTTTG- -	TTCTTTTGAAAATA	AAATTATGTTGCCTT	TCTTCGTTGTTCCATT	TATCTAGGTC			53092
Vaquita	- - - AATCTGTCAGAC	TACATCTTG- -	TTGTTTTAAGAGGAA	ATTACACCAACTGTCTT	- CTTGTTCCACA- - -		TTGGTC		49073
Pig	ATGAGTGTGTCAAAC	TATATCTTG- -	TTCTCTTG- GGATGA	ATTACATGGCCTATCT	TTTTCTTGTTCAAGCA	- - -	TTCATC		45553

Majority	CCAAACCCTAGATAAATTGTTTTGAAG- - - - TAAATACTAGTAGAATACTTGAATTAT- AAACAGATAAATACCTGGCTCA								
	70970	70980	70990	71000	71010	71020	71030	71040	
Human	CCAAAGCCTGGATAA	TTTTTTTGAAT- -	- - - -	GAAATACTAGTAGA	AATTTGATTTATTA	AAACAGGTAGTACCT	GGCTCA		56369
PolarBear	CCAAACCCTAGATAA	TGTTTTGAAG- -	- - - -	TAAATACTGGTAGA	ATACTTGAATTAT- AAACAGATAA	ATACCTGGCTCA			18370
Cow	CCAAACCCTCAATAA	CTGTTTTGAGG- -	- - - -	TAAATACTAGTATG	ATACTTGAATTGT- AAACAGGCAAT	ATGTGGCTTA			52261
Dog	CCAAACCCTAGATAA	TGTTTTGAAT- -	- - - -	TAAAGATTAGTAGA	CTTGAATTAT- AAACAGATAA	ATACCTGGTTCA			48819
BelugaWhale	CCAAACCCTAGATAA	TGTTTTGAAGTAA	AAATAAATACTAGT	AATAACTTGAATTAT- AATC-	- - - - -	CTTGGCTCA			48454
Donkey	TATTTATTTATTTA	TTTTATTGTTATTT	CAGATTGGCCCTGA	AATAACAACCTG- -	TTGC- CAAT-	- - - - -	CTTCCTCT		53659
Cat	CCAAACCTTAGATAA	TGTTTTGAAG- -	- - - -	TAAATACCAGTAGG	ATACTTGAATTAT- AAACGATAA	ATACCTGGCTCA			55732
Ferret	CCAAACCCTAGATAA	TGCTTTGAAG- -	- - - -	TAAATACTAGTAGA	ATACTTGAATTAT- AAACAGGTGGT	ACCTGGCTCA			56146
Lion	CCAAACCTTAGATAA	TGTTTTGAAG- -	- - - -	TAAATACCAGTAG-	ATACTTGAATTAT- AAACGATAA	ATACCTGGCTCA			53165
Vaquita	CCAAACCCTAGATAA	TGTTTTGAAGTAA	AAATAAATACTAGT	AATAACTTGAATTAT- AATC-	- - - - -	CTTGGCTCA			49144
Pig	CCAAACCTTAGATGA	TATTTTAAA- - -	- - - -	TAAATACTAGTAGA	ATACTTGAATTAT- AAACAGACAAA	ACCTGGCTCA			45627

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Majority	AGCGTGCTCAAGCAGTTCTTCAAGCTGTGACAGCTGTCCAGACAGCAAATACTCCTCTTAGTGGCACCACAGTTAGTGAG								
	71210	71220	71230	71240	71250	71260	71270	71280	
Human	AGCGTGCTCAGGCAGTTCTTCAAGCTGTGACAGCTGTCCAGACAGCAAATACTCCTCTTAGTGGCACCACAGTTAGCGAG								56598
PolarBear	AGCGTGCTCAAGCAGTTCTTCAAGCTGTGACAGCTGTCCAGACAGCAAATACTCCTCTTAGTGGCACCACAGTTAGTGAG								18602
Cow	AGCGTGCTCAAGCAGTTCTTCAAGCTGTGACTGCTGTCCAGACAGCAAATACTCCTCTTAGTGGCACCACAGTTAGTGAG								52491
Dog	AGCGTGCTCAAGCAGTTCTTCAAGCTGTGACAGCTGTCCAGACAGCAAATACTCCTCTTAGTGGCACCACAGTTAGTGAG								49027
BelugaWhale	AGCGTGCTCAAGCAGTTCTTCAAGCAGTGACAGCTGTCCAGACAGCAAATACTCCTCTTAGTGGCACCACCGTTAGTGAG								48676
Donkey	-GTATATTCTAGTTGTAGGTNN								53885
Cat	AGCGTGCTCAAGCAGTTCTTCAAGCTGTGACAGCTGTCCAGACAGCAAATACGCCTCTTAGTGGCACCACAGTTAGTGAG								55963
Ferret	AGCGTGCTCAAGCAGTTCTTCAAGCTGTGACAGCTGTCCAGACAGCAAATACTCCTCTTAGTGGCACCACAGTTAGTGAG								56378
Lion	AGCGTGCTCAAGCAGTTCTTCAAGCTGTGACAGCTGTCCAGACAGCAAATACGCCTCTTAGTGGCACCACAGTTAGTGAG								53396
Vaquita	AGCGTGCTCAAGCAGTTCTTCAAGCAGTGACAGCTGTCCAGACAGCAAATACTCCTCTTAGTGGCACCACAGTTAGTGAG								49366
Pig	AGCGTGCTCAAGCAGTTCTTCAAGCTGTGACGGCTGTCCAGACAGCAAATACTCCTCTTAGCGGCACCACAGTTAGTGAG								45844

Majority	AGTGCAGTGACTCCAGCCCAGAGTCCAGTGCTTAGAATAATTATTGACAATATGTAACCCTGTAACAACCTTGATGTTCT								
	71290	71300	71310	71320	71330	71340	71350	71360	
Human	AGTGCAGTGACTCCAGCCCAGAGTCCAGTACTTAGAATAATTATTGACAACATGTAACCCTGTAACAACCTTGATGTTCT								56678
PolarBear	AGTGCAGTGACTCCAGCCCAGAGTCCAGTGCTTAGAATAATTATTGACAATATGTAACCCTGTAACAACCTTGATGTTCT								18682
Cow	AGTGCAGTGACTCCAGCCCAGAGTCCAGTGCTTAGAATAATTATTGACAATATGTAATTATCCTGTAACAACCTTGATGTTCT								52571
Dog	AGTGCAGTGACTCCAGCCCAGAGTCCAGTGCTTAGAATAATTATTGACAATATGTAACCCTGTAACAACCTTGATGTTCT								49107
BelugaWhale	AGTGCAGTGACTCCAGCCCAGAGTCCAGTGCTTAGAATAATTATTGACAATATGTAATTACCCTGTAACAACCTTGATGTTCT								48756
Donkey	NNNACAACCATA-TTTTAAATTTCAAACCTTTTAATCTTCT								53964
Cat	AGTGCAGTGACTCCAGCCCAGAGTCCAGTGCTTAGAATAATTATTGACAATATGTAACCCTGTAACAACCTTGATGTTCT								56043
Ferret	AGTGCAGTGACTCCAGCCCAGAGTCCAGTGCTTAGAATAATTATTGACAATATGTAACCCTGTAACAACCTTGATGTTCT								56458
Lion	AGTGCAGTGACTCCAGCCCAGAGTCCAGTGCTTAGAATAATTATTGACAATATGTAACCCTGTAACAACCTTGATGTTCT								53476
Vaquita	AGTGCAGTGACTCCAGCCCAGAGTCCAGTGCTTAGAATAATTATTGACAATATGTAATTACCCTGTAACAACCTTGATGTTCT								49446
Pig	AGTGCAGTGACTCCAGCCCAGAGTCCAGTACTTAGAATAATTATTGACAACATGTAATTACCCTGTAACAACCTTGATGTTCT								45924

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Majority	----- TA----- GCTAATGTTAT----- TAATACTGACATAACTTAG							
	71690	71700	71710	71720	71730	71740	71750	71760
Human	----- TA----- TAT----- ATGTATGTATA- CTTAA 56964							
PolarBear	----- TA----- GCTAATGTTAT----- TAATACTAACATAACTTGG 19011							
Cow	ATGTAAC TAATATCGTTAATATTATTATTTACATATTAATATTAATATTATGTCAGTAACTAATATTGACATAACTTAG 52924							
Dog	----- TC----- ACGAATGTCAT----- TAATACTGACATA----- 49426							
BelugaWhale	GT----- G- TA----- GCTAATGTTAT----- TAATACTGACATAACTTAG 49066							
Donkey	----- CCG----- AAAAGGTCT----- TTGTTCTGGTCCA- - TCA- 54276							
Cat	----- TT----- GCTGATGTTAC----- TAATACAGACATAACTTGG 56368							
Ferret	AC----- ATA----- GCTAACATTAA----- TAATACTGACATAACTTGG 56780							
Lion	----- TT----- GCTGATGTTAC----- TAATATGGACATAACTTGG 53808							
Vaquita	GT----- G- TA----- GCTAATGTTAT----- TAATACTGACATAACTTAG 49757							
Pig	AT----- ATCTA- - T- - - G- - - - T- - - ATATA- - G- - - CTAATGCTAT----- TAATACTGGTGTAACTTAG 46250							

Majority	CAATACCATGTAGCATT TTTAGATGGCACAAATTGXTGTCATTTAGATAXTATTAGAAAAGCTTAGTA- - - - TX- TAAXAA							
	71770	71780	71790	71800	71810	71820	71830	71840
Human	TGATATCTTGTAGCATTACAGATAGTAGAAATTGATGGCAT- - - - TAATATTAAGAAACCTTAATATT- - TGTCATAAA 57037							
PolarBear	CAATACCATGTAGCATTATAGATGGT GCAAATTGATGTCATTTAGATACTATTAAGAAAGCTTAAAT- - - - TTATGATAA 19087							
Cow	CAGTACCATATAGCATT TTTAGATGACACAGATTAATGTCATAGAGATAGTATTAGAAAG- CTTAGTATTTGTGATAAAAA 53003							
Dog	- - - - - CCATGTAGCTTTATGGATGGCACAAATTGGTGT CATTAGATATTATTAGGAAAGCTTAATA- - - - TT- - - - TGT 49493							
BelugaWhale	CGATACCATATAGCATT TTTAGATGGCACACATTATTGTCATTAAGGTAATATTGAAAAGCTTAGTATTTATGATAAAAA 49146							
Donkey	- AACTTCCTGTAGAATTTCTGGTTCCTTTAAGGGAGG- - ATTTTGTTAGTGT TTTTAAATTGTAA- - - - - GCCAG 54343							
Cat	CAATACCATGTAGCATTGTAGATGGCACAAATTGGTGT CATTAGATACAATTAGAAAAGCTTAGTA- - - - TT- TGTGAT 56443							
Ferret	CAATACCTTATAGCATTAT- GATGGCACAAATTGGTGT CATTAGATACTATTAGGAAAGCT- - - - - TAA 56844							
Lion	CAATACCATGTAGCATTGTAGATGGCACAAATTGGTATCATTACATACAGTTAGAAAAGCTTGGTA- - - - TT- TGTGAT 53883							
Vaquita	CGATACCATATAGCATT TTTAGATGGCACACATTATTGTCATTAAGGTAATATTGAAAAGCTTAGTATTTATGATAAAAA 49837							
Pig	- - - TACCGTATAGCATT TTTAAATGACACAGATTGCTGT CATTAAAGATAATGTTAGAAAA- ACC- - - - - TAGTAATAA 46318							

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Majority	AGAAATGTTTATTTTAAAGGATAGTCATATTTGTAGTTATCTATAATATAGGCTTXT- TTATTTTGCATTTTT- GTTTGA								
	71850	71860	71870	71880	71890	71900	71910	71920	
Human	AGAAATATTTATTTTAAAGGAA- AATCATAGTTGTAGTTAACCATGATGTGGGTTTCTATTATTTTACTTTTTTTTTTTTT								57116
PolarBear	AGAAGTGTTCCTTTTAAAGGATAGTTATATGTGTAGTTATCTATAATATAGACTTCTCTTATTTTGCATTTTT- GTTTGA								19166
Cow	GAAA- TGTTTATTTTAAACAATTGTCATATTTGTAGTTATCTATAATATAGGCTT- - - ATATTCTGCATTTTT- GTTTTA								53078
Dog	GATAGTGTTCCTTTTAAAGGATAGTTACATGTGTAGTTTCTGTAATACAGGTTTCTGTTATTTTGCACCTTG- ATTTGA								49572
BelugaWhale	AGAAATGTTTATTTTAAACA- - - GTCATATTTGTAGTTATATGTAATATAGGCTT- - - ATAGTTTGCATTTGT- GTTTGA								49219
Donkey	GGAGATGTTCTGGGGAGGGGAGGAAGGGGAGTTTAGCTGTTTGTT- TATGAGCCA- - - GACTTTGCATTAACCCTTTTA								54418
Cat	AGAAATGTTTATTTCTAAGGATAGTTCTATCTATAGTTATCTATAATATTGACTTCTATTACTGTCCATTTTT- - - - GA								56518
Ferret	AGAAGTGTTCCTTTTAAAGGATAATGGTATGTGTAGTTATCTATA- - - CATACTTTTGTATTTTGCATTTTTTTGTTTGA								56921
Lion	AGAAATGTTTATTTCTAAGGATAGTTCTATCTATAGTTATCTATAAT- - TGATTTCTGTTACTTTCCATTTTT- - - - GA								53956
Vaquita	AGA- - TGTTTATTTTAA- - - - GTCATATTTGTAGTTATATGTAATATAGGCTT- - - ATAGTTTGCATTTTT- GTTTGA								49906
Pig	AAAA- TGTTTATTTTAAACAATGTACATATTTGTAGGTATCTATAATATAGGCTT- - - GTATTTTGTGTTTTT- GTTT- -								46391

Majority	TTTAGGTCCAAA- GT- - - - TTTXTGCTCTTGAGGATATAGCAGGATTATATTGTGCATGCACAC- XAGTXAAGATTTTA								
	71930	71940	71950	71960	71970	71980	71990	72000	
Human	TTTTAATTTAAGGACAAAAGTTTGTACTCTTAAGAAAAAGCAGGACTATATTGTGAATGTGCACCAGCATAAGATTTGA								57196
PolarBear	CTTAGGTCCAAA- GT- - - - TTTAAGCTCTTGAGGATATAACAGGATTAATTTGTGCGTGCACAC- CAGTAAAGATTTTA								19239
Cow	TCTAGGTCCAAATAT- - - - TTTGTGCTCTTGAGGATATAGCAGGATTATATTATGCATGCATACCTGTTTAAAGATTTTA								53153
Dog	TTTAGGTCTGAA- AT- - - - TTTAAGCTCTTGAGGATATAGCAGGATTAATTTGTGCATGTACAC- TAGTAAAGATTTTA								49645
BelugaWhale	TTTAGGTCCAGAAGT- - - - TTTGTGCTCTTGAGGATATATCAGGATTGTATTGTGCATGCATACCTGTATAAGATTTTA								49294
Donkey	TTTTCACTCCTTCCT- - - - CCTGTGAACCTGACAATTTCT- - GGTCTGATTCATGTGGTTGTTATCAGTGCAAACCTCTG								54491
Cat	TTTAGGTCCAAA- GT- - - - TTTATGCTCCTAAGGATATGGCAGGAT- ATATTGTGCATGAACAC- CAGTAAAGATTTTG								56590
Ferret	CTTAGGTCCAAA- GT- - - - TTTAAGCTCTTGAGGATATAGCAGGATTAATTTGTACATGCACAC- CAGTAAAGATTTTA								56994
Lion	TTTAGGTCCAAA- GT- - - - TTTATGCTCCTGAGGATATGGCAGGAT- ATATTGTGCATGAACAC- CAGTAAAGATTTTG								54028
Vaquita	TTTAGGTCCAGAAGT- - - - TTTGTGCTCTTGAGGATATATCAGGATTGTATTGTGCATGCATACCTGTATAAGATTTTA								49981
Pig	- - - - - GATGTA- - - - - CATGCATACCTG- - TATTTAAGATTTTA								46423

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Majority	AGTGTTTTCCAGTGGGAGTTTTCAAAGTAATTAATTTAGCTATCAAGATAGTTTG- GCTGAAATATATCATTACA- CATGT										
	72010	72020	72030	72040	72050	72060	72070	72080			
Human	AGTGGCTTTT	GCTGGGAATTT	CAAAGTAATT	- - - -	AGTTTTCAA	AAGAGTTTG-	GCTGAAATA-	- - - -	TACA- GATGT	57263	
PolarBear	AATGTTTTCCAGT	GGGAGTTTT	CACAGTAATTC	ATTTAGCTAT	CAAGACAGTTTG-	GCTAAAGTATAT	CATCACG-	CATGT	19317		
Cow	CA- - TTTTCCAGT	GGGAGTTTT	CAAAGTACTTAATT-	AGCTGT-	AAGGTA	CTTTG-	GCTGAAATATAT	CAGTACT-	CATGT	53227	
Dog	AGTGTTTTCCAGTA-	- ATT-	- - - - -	AATT-	- - -	TAGCTATCAAG	ACCGTTTG-	GCTAAAGTATAT	CATCACA-	CATAT	49709
BelugaWhale	CA- - TTTTCCAGT	GGGAGTTTT	CAAAGTAATAA	ATTTATCTAT-	AAGATAGTTTG-	GCTGAAATACAT	CAGTAGA-	CATGT	49369		
Donkey	TTTGCTGTGCATT	CACTATGTCTT-	- CTGTCCATTT	GCTTCTGTT	CGTTTTCTGT	GTTTTAGG	AGTTTGATAAA-	- - TTT	54566		
Cat	AGTGTTTTCCAGT	GGGAGTTTT	CAGAGTAATTA	ATTTAGCTAT	CAAGACACTTGG-	GCTGAAATA-	ATCATCACA-	CACGT	56667		
Ferret	AGTGTTTTCCAGT	GGGAGTTTT	CAGAGTAATT-	- - -	TAGCTGTCAAG	AGAGTTTG-	GCTAAAATATAT	CATCACA-	CATGT	57068	
Lion	AGTGTTTTCCAGT	GGGAGTTTT	CAG-	- TAATTAATTT	AGCTATCAAG	ACACTTGG-	GCTGAAATA-	ATCATCACA-	CATGT	54103	
Vaquita	CA- - TTTTCCAGT	GGGAGTTTT	CAAAGTAATAA	ATTTATCTAT-	AAGATAGTTTG-	GCTGAAATACAT	CAGTAGA-	CATGT	50056		
Pig	AG- - TTTTACAGT	AGAAGTTTT	CAAAGTAATTA	ATTTAGCTAT-	AAGGTAGTTTG-	GCTGAAATATATTA	AACAATATGT	46499			

Majority	GGCTCAGATGCT- ATGATAGGCTCTCAGTTT- ATTTAAGACTACXXTXT- TTTAATATTCTTTTTAAXGATTTTTTTX- -								
	72090	72100	72110	72120	72130	72140	72150	72160	
Human	GGCTCAAATGCT-	ATGATAGGCTCT	CAGTTT-	ATTTAAACTAT-	- - - - -	ATATTCTCTTTA	ATGTCTTTTTTTT-	57330	
PolarBear	GGCTCCGATGTT-	ATGATAGGCTGT	CAGTTT-	ATTTAAGACTAC	AGTATATTTA	ATTTCTTTTTTA	AAGA- - - - -	19385	
Cow	GGCTCAAATGCT-	GTAATAAGCTCT	CAGTTG-	ATTT- - - - -	C- - - - -	CGATATTCTTTT	AAGTATTTTTT- - -	53286	
Dog	GGCTCAGACGTT-	ATGATAGGTTCT	CAGTTT-	ATTTAAGACTAT	GGTATATTTA	ATTTCTTTTTTA	AAGTTTTTTTTTTT	49787	
BelugaWhale	GGCTCAGTT- CT-	ATGATAGGCTCT	CAGCT- -	ATTT- - - - -	C- - - - -	CAGTATTCTTTT	AAGTATTTTTTTA- -	49428	
Donkey	TTCTCGGCTACT	GATGATCTCCT	CTCTCTTCAGT	GTTTGCATTT	ATTCTGTTTT	GTATTTATTT	TATAGGTGTTTTAT- -	54643	
Cat	GGTTCAGATATT-	ATGATAAGCTCT	CAGTGT-	ATTTAAGACTAC	AGTATGTTTA	ATACTCTCTTTA	AAG- CCTTTTTTTT	56744	
Ferret	GGCTCAGATGTT-	ATGATGGGCTCT	CAGTTT-	ATGTAAGACTAC	AGTATATTTA	ATTTCTTTTT	GAAGATTGTTTTAA-	57145	
Lion	GGTTCAGATATT-	ATGATAAGCTCT	CAGTTT-	ATTTAAGACTAC	AGTATATTTA	ATACTCTCTTTA	AAGGCTTTTTTTTTT	54181	
Vaquita	GGCTCAATT- CT-	ATGATAGGCTC-	- AGCT- -	ATTT- - - - -	C- - - - -	CAGTATTCTTTT	AAGTATTTTTTTA- -	50113	
Pig	TGCTCAGATGCT-	TTTATAGGCTCT	CAGTTT-	ACTT- - - - -	C- - - - -	CAGTATTTTTTT	AAAATATTTTTT- - - -	46557	

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Majority	- - - - AAGATAGGTTTTTTGAATAGGTTCTAGTCTACTTTTTTATTCACATCATTACCTTTTT- GTX- XT- - TGTTATAT								
	72170	72180	72190	72200	72210	72220	72230	72240	
Human	- - - - A-	AAGGTTTTATGAATAGGTTTCTAGTC-	ACTTTTTTATTCATATCATTATCTTTTTTGT	CAT-	- - -	TGTTACAT			57399
PolarBear	- - - - -	GCTTTTTTGAATAGGTTCTTAGTCTACTTTTTTATTTACATCCTTTATATTTTTTAT-	- - - - -	TGTTACAT					19449
Cow	- - -	AAAAATAGGTTTTTTTCGATACGCTCTTGGTCTCCTTTTTTATTCCAATCACTTACCTTTTT-	GTTGTTGTTGTTGTAT						53362
Dog	TTTAAAGA	AACTGTTCTGAAT-	GGTCTTAGTCTACTTTTTTATTTACAACATACATATTTTT-	- - - - -	TATTATGT				49857
BelugaWhale	- - -	AAAGATAGGTTTTTTGAATAAGTTCTTAGTCTCCCTTTTTATTCACATTACTTACCTTT-	- - -	GTTGTTGTTGTTATAT					49502
Donkey	- - - - -	TGGGGTTTTACAGT-	AGAAGAGAGGCAAGTGAATATTTGTGTTAACCATGAATTC-	- - - - -	TTCCAT				54703
Cat	T- - -	AAGACTGCTTTTTTTGAATAGATTCTGATCTGCTTTTTTATTCACATCATTACATTTTTTTTT-	- -	GT- -	TGTTATAT				56817
Ferret	- - -	AAAGACAGCTTTTTTAAATAGGTTCTTAGGCTACTTCTTATTTACATCCTTTATATTTTT-	AT-	- - - - -	TGTTATAT				57215
Lion	T- - -	AAGACTGCTTTTTTTGAATACATTCTGATCTGCTTTTTTATTTCCATCATTACGTTTTTTTTTTGT-	- -	TGTTCTAT					54256
Vaquita	- - -	AAAGATAGGTTTTTTGAATAAGTTCTTAGTCTCCCTTTTTATTCACATTACTTACCTTTTTTGTGTTGTTGTTATAT							50190
Pig	- - - - -	AAGTTTTCTCAATAAGTCCCTAGTCTCCTTTTTTATTCACTTCACTTACCTTTTA-	GTTGCT-	- - - - -	ATAT				46621

Majority	ATGGAGGGTAAGAACTATTAAAA- GAAGTAAAAT- ATCTTCCCATATCATGGCCACCATTGAAAACCTGCATACCAATC								
	72250	72260	72270	72280	72290	72300	72310	72320	
Human	ATGGAGGATGTAAGGTCATTGAGA-	GATGTAAAAT-	- - -	TTCCC-	- -	ATCAAGGCTGCCACTGAAAACCTGCGCACCACATC			57472
PolarBear	ATGGAGGGTAAGAACTATTAAAA-	GAAATAAAAAT-	ATGTTCTCACATCATGGCCATCCTTGAAAACCTGCATACCATATC						19527
Cow	ATGGAGGGTAAGAACTATTCAAA-	GCAGCAAAAAT-	- -	TTGCTCATGTTACAGCTAGCATTGAAAACCTGCATACCA-	- - -				53434
Dog	ATGGAGGGTGAGAACTATTAAAA-	GAAGTAACTTATGTTCCACATCATGACCACCTTTCAAACCTTCGTACCGTATC							49936
BelugaWhale	ATGGAGGGTAAGAACTGTTCAA-	GCAGTAAAAT-	- -	CTACCC-	- -	GTCATAGCTACCACTGAAAACCTGCATACCACTGTC			49576
Donkey	A-	ACCCTTTATCAAATCATTAGGT-	CCTGTCAGTTCATTCTCCTTCATATCTGTCTAGTTTTAATCTTTCTTACTACTTC						54781
Cat	ATGGAGGATAAGAACTACTAAAA-	GAAGTAAAAT-	ATCTTCCCATATCATGACCACCTATTGAAAACCTGCATATCATATC						56895
Ferret	ATGGAGGGTAAGAACTATTAAAA-	GAAGTAAAGT-	ATGTTCTCATATTATGGCCACCCTTGAAAACCTACATATCCTATC						57293
Lion	ATGGAGGATAAGAACTACTAAAA-	GAAGTAAAAT-	ATCTTCCCGTATCATGACCACCTATTGAAAACCTGCATATCATATC						54334
Vaquita	ATGGAGGGTAAGAACTGTTCAA-	GCAGTAAAAT-	- -	CTACCC-	- -	GTCATAGCTACCACTGAAAACCTGCATACCACTATC			50264
Pig	TTGAAGAGTAAGAACTATTCAAAAGTAGTAAAAT-	- -	CTACCCATGTCATGGCTATCATTAAAAACCTACATACCACCTC						46698

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Majority	TTTGCTTCTAAATGCCTTAATCTTCTGTTTGTGTATCATATTT- AAATCTACCTTTGXTCTAXCTCTTTAACTTCTTGTG								
	72330	72340	72350	72360	72370	72380	72390	72400	
Human	TTTGCTTCCAAGTACCTTAATCTTCTGTTTGTG- - - - TATATCTTAAATCTACTTTTGTCTGTCTCTTTAACTTTTTGTG								57547
PolarBear	TTTGCTTCTAAATGCCTTAATCTTCCATTTGTGTATCGTATTTTAAATCTACCTTTGTTCTAGCTCTTTAACTTCTTGTG								19607
Cow	-----GTCTT-----TGTCTTATTT- AAATCTTCCTTTG- TCT- - - - CTTTAACTTCTTGTG								53480
Dog	TTTGCTTCTAAATGCCTTAATCTTCTGTTTCTGTATCATATTT- AATTCTACCTTTGCCCTAGCTGTTTAACTTCTTGTG								50015
BelugaWhale	TTTGTTTCTAAATGC- CTAATCTTCTGTTTGTGTATCATATTT- AAATCTACCTTTT- TCTGTCTCTTTAACTTATTGTG								49653
Donkey	TGTAATTC- AGACACAATCACCTCTTGCCTATAT- TACTATAATAGCTCTCTTGCTAATTTATTTTCTTTCTTTCTCTC								54859
Cat	TTTGCTACCAACTGCCTTAATCTTCTATTTGTGTATCGTATTT- AAATCTACCTTTGCTCTAGCTCTTTAACGTCTTGTG								56974
Ferret	TTTGCTTCTAAATGCCTTAATCTTAAAGTTTGTGTATCATATTT- AAATCTGCCTTGTATCTAGTTCTTTAAGTTCTTGGG								57372
Lion	TTTGCTACCAACTGCTTTAATCTTCTATTTGTGTATCGTATTT- AAATCTACCTTTGCTCTAGCTCTTTAACGTCTTGTG								54413
Vaquita	TTTGTTTCTAAATGC- CTAACCTTCTGTTTGTGTATCTTATTT- AAATCTACCTTTT- TCTGTCTCTTTAACTTCTTGTG								50341
Pig	TTTGCTTCTAAATGC- TTCGTCTTCTGTCTAGGTGTCTTATTT- AAATCTACCTTTT- TCTGTGCTTTAACTTCTTATG								46775

Majority	CCATATTATCTCATTGTXATTATTATTCCATTATTAACCATTAAATATTCAATTATTAACCATTAC-----								
	72410	72420	72430	72440	72450	72460	72470	72480	
Human	CCATAGTATCTCATTATTATTACTATTCCATTATTAAGCCATTAAAAATTCAATTATTAAGCCATTATTAT-----G								57618
PolarBear	TCATATTATCTCACTGTGATTATTATTCTGTTGTTAAACCATTAAATATT- - - - ATTAAACCATCAC-----								19670
Cow	CTGTAGTATAATATTGTTATTTTATTCCACTATTAATAAATTAATATTTATTAA-----								53536
Dog	TCATATTATTTCAATTGTGATTAT- - - TCCATTGTTAAACCATTAAATATTCAATTGTTAAACCATTAC-----								50079
BelugaWhale	CTGTAGTATCTCATTTTTA-----TTCCATTATTAACATTAATATTTATTATTA-----								49705
Donkey	TTGAATTCTTTCTCCCTGGT- - ACAGTCAAGTATATATCTTTCTAAAATGCACAAATCTGACTTAA-----								54923
Cat	CCGTGTTATCTCATTGTGATTATTATTCTGTTGTTAAATGATTAAATATTCAATTATTAACCATTAC-----								57041
Ferret	TCATATTTTTTCAATTGTAATTATTATTCTGTTGTTAAACCATTACATATTCAATTATTAACCATTAC-----								57439
Lion	CCATGTTATCTCATTGTGATTATTATTCTGTTGTTAAACGATCAAATATTCAATTATTAACCATTAC-----								54480
Vaquita	CTGTAGTATCTCATTTTTA-----TTCCATTATTAACATTAATATTTATTATTA-----								50393
Pig	CCATATTATCTCATTGTTA- - - TTATTTCAATTATTAACCATTAAACGTTTATTACTATACCATTGTTATTAACAATTA								46852

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Majority	GTTTCATTGTXTTCCATCCTCAGAATCTCATTTGGGGAGCAAAAATAGCTTCAGGTAGCAGAAAGXCTATACXXGTAAT								
	72650	72660	72670	72680	72690	72700	72710	72720	
Human	GTTTCATTGCATTTCCATCCACACAACCTCATTTTGGGAGCAAAATTAGTTGTAGGTAGCAGAAAGGCTATACAAGTAAT								57846
PolarBear	GTTTCATTGTGTTTCCATCCTCAGAATCTCATTTGGG- - - - - TAGCACAAAGTCTGTACTGTTAAT								19880
Cow	- - TCCATGGAATT- CTCCC- - - - - GGCAAGAATA- - TTGGAGTGGTTAAACCATTAAATCAGCCAT								53675
Dog	GTTTCATTGTGTTTCCATCCTCAGAATCTCATTTGGGGAGC- - - AAA- - - - AAATAGCACAAAGTCTGTACCGTTAAT								50299
BelugaWhale	GTTTCATTGTATT- CCATCCTTAGAATCTCATTTGGAGAGCAAAAATAGCTTCAGGTAGCAGAAAGGCTTTACTAGTAAT								49920
Donkey	- TTTTGAGGCCACTGTGTCTCTGTGATGTCACTTTTG- - CCTAGAATA- - TTGTGGCCTGCTTGCTTTTGTGCCTGTTTT								55147
Cat	GTTTCATTGTGTTTCCAACCTCAGCATATCATTTGGGGAGCAAAAATAGCTTCAGATATTTTTG- - CTATACCGTTTAT								57257
Ferret	GTTTCATTGTGTTTCCATCCTCAGAATCTCATTTGGGGAGCTGATATAGCTTCAAGTAGCACAAAGTCTGTACTGTTAAT								57661
Lion	GTTTCATTGTGTTTCCAACCTCAGCATGTCACTTTGGGAAGCAAAAATAGCTTAAGATATTTTTG- - CTATACCGTTTAT								54701
Vaquita	GTTTCATTGTATT- CCATCCTTAGAATCTCATTTGGGGAGCAAAAATAGCTTCAGGTAGCAGAAAGGCTTTACTAGTAAT								50606
Pig	GTTTCATTGCATT- CCACCCTGAGAATCTCATTTGGGGATCCAAAATAGCTTCAGGTAGCAGAAATGCTATACTAGTAAT								47069

Majority	ATTGGC- ATAATTGAAATGG- - - TTTACCAAGTGCTGTTATCTCA- TTTTTTXCTAATAAX- - - - - T- - - - -								
	72730	72740	72750	72760	72770	72780	72790	72800	
Human	AATAGC- ATAATTGTAATAG- - - TTTACCAAGTGCCGTAGTCTCA- TTTTTTCTGACCACT- - - - -								57902
PolarBear	ATTGGC- ATAATTGAAATGG- - - TTTAGCAAGTGCTGTTATCTCA- TTTTTTCTGGTATT- - - - - T- - - - -								19937
Cow	CTTC- - - - CACTTAAAATGGT- - - CTTACCTCTTTTTCTCTCTTT- CACTCTTTTACTTTAGACTGATTATGGTATATT								53748
Dog	ATTGAC- ATAATTGAAATGG- - - TTTAGCAAGTGCTGTTATGTCAATTTTTTCTGATATT- - - - - T- - - - -								50357
BelugaWhale	AATAAC- ATAATTGAAATGG- - - TTTACCAAGTGCTGTTACCTCA- TTTTTTCTG- - - - - ACT								49974
Donkey	CTACCCTACACTTCACATGGCCAGTTGCTAGACATCTTCAGGTCTCCCCTTAGCTA- - - - -								55203
Cat	ATTGGC- ATAATTGAAATG- - - TTTACCAAGTGCTGTTATCTCGTTTTTTTCTAATA- - - - - T- - - - -								57312
Ferret	ATTGGC- ATAATTGAAATGG- - - TTTAGCAAGTGCTGTTCTCTCA- TTTTTTCTGATATT- - - - - TC- - - - - TGAT								57723
Lion	ATTGGC- ATAATTGAAATG- - - TTTACCAAGTGCTGTTATCTCGTTTTTTTCTAATA- - - - - T- - - - -								54756
Vaquita	AATAAC- ATAATTGAAATGG- - - TTTACCAAGTGCTGTTACCTCA- TTTTTTCTG- - - - - ACT								50660
Pig	AATAAC- ATAATTGAAATGG- - - CTTACCCAGTGTTGTTAGCTCA- TTTTTTCTGACTATTTTGTAAATAGAACAGGATT								47144

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Majority	72970	72980	72990	73000	73010	73020	73030	73040	
Human	-----								57980
PolarBear	-----								20015
Cow	AATGATTTACCAAGTGCTATTATCT- - - - - CATTCTTTTTCTGACTACTCTGTATTGTAAACT- - - GAACAGGAATTTT								53968
Dog	-----								50435
BelugaWhale	CGCGGGCCTCTCACTGTTGTGGCCT- - - CTCCCGTTGCGGAGCGCAGGCTCAGCGCCCATGGCT- C- - - ACGGGCCCAGC								50173
Donkey	-----								55290
Cat	-----								57383
Ferret	-----								57805
Lion	-----								54827
Vaquita	-----								50763
Pig	ACCCACTGAGCAAGGCCAGGGATCGAACCTGCAACCTCATGGTTCCTATTTGGATTCAATTAACCACCGAACCACAATAGG								47383

Majority	73050	73060	73070	73080	73090	73100	73110	73120	
Human	----- AATXTACACTATATGTAAGGTAGACATTTTTTTCAGTC								58017
PolarBear	-----								20052
Cow	TCCTGTTAGCAGATACTAAGATTCAAAGAGGTAAATGATTTATAATGTACAC- ATCTGTAAAGTAGACATTTTTTTCAGTC								54047
Dog	-----								50472
BelugaWhale	CGCTCCGCGGCATGTGGGATCTTCCCAGACCGGGGCACGAACCCGTGTCCCCTGCATTAAGGTTGACATTTTTTTTAGTC								50253
Donkey	-----								55323
Cat	-----								57420
Ferret	-----								57842
Lion	-----								54864
Vaquita	-----								50775
Pig	AACT- CCAAGGGGTGCTAAGATTTAAAGAGGTAAATTAATAAAAATACACCATCTTTAAGGCAGACATTTTTTT- AGTC								47461

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Majority	TX- - - XTTTTCTCCAGTATGTTGCTACTCACTGGTTCTXAAGTTACA- - AXCTAATCTTATTATATTTTCCTTTTCAGG								
	73130	73140	73150	73160	73170	73180	73190	73200	
Human	TTAGCCTTTCTCTCCAGTATGCTGCTTCTCACTGGTTCTCGGGT- ATA- - ATCTAATCTTACTGTGCTTTCCGCTTCAGG								58094
PolarBear	TG- - - TTTTTCTCCAGTATGTTGCTACTCACTGATTCTTAAGTTATG- - ACCTAATCTTATTATATTTTCCTTTGCAGG								20126
Cow	TA- - - CTCTTCTCCAGTATGTTTCTACTCAGTGGTTCCCAATT- GCA- - - - TGATCTAATCATACTTCCCTTTTCAGG								54117
Dog	TG- - - T- - - - T- - - - - - - - GCTACTCACTGGTTCTTAAGTTACATGATCTAATCTTATTATATTTTCCTTTTCAGG								50533
BelugaWhale	TA- - - CTTTTCTCCAGCGTGTTCCTACTCACTGGTTCCCAATT- GCA- - - - TGATCTAATCCTATTATGTTTCCCTTT								50323
Donkey	TA- - - AGAGGGGTAAA- - - - TACCAAGTGTGGTAATAATGTAGAGAAGCTTGAATTC- TCATATGTAAGTGATGGGA								55393
Cat	TG- - - ATTTTCTCCAGTGTGTTGCTACTCACTTGTCTTAAGTTACATGATCTAATCTTATTATATTTTCCTTTTCAGG								57496
Ferret	TG- - - TTTTTCTCCAATATGTTGCTACTTACTGGTTCTTAATTACATTACCTAATCTT- CTATATTTTCCTTTTCAGG								57917
Lion	TG- - - ATTTTCTCCAGTATGTTGCTACTCACTTGTCTTAAGTTACATGATCTAATCTTATTATATTTTCCTTTTCAGG								54940
Vaquita	TA- - - CTTTTCTCCAGTGTGTTTCTACTCACTGGTTCCCAATT- GCA- - - - TGATCTAATCCTATTATGTTTCCCTTT								50845
Pig	TA- - - CTTTTCTCAG- - TGTTGCTACTCACTGGTTCCAGTTTGCA- - - - TGATCTTATTATATTTCTCTTTCCAGG								47529

Majority	CATACATTAACAXT- - TAGAATTCTTTTTTCCAA- - - AAATAATGATTTTC- TCTTXACATGCCCCAGCCCTCCAACCTTT								
	73210	73220	73230	73240	73250	73260	73270	73280	
Human	CATAGGTTAATAAT- - TAGAATTCTTTTTTTTG- TCCAAAAAATGA- T- - - - - - - - TATCCTCCTTTCACATGCCCT-								58160
PolarBear	CATACATTAACACT- - TGGAATTCTTTTTTCCAA- - - AAATAATGATTTTC- TCTTTACATGCCCCAGCCCTCCAACCTTT								20199
Cow	AATAAATTAGCAATTATAAAGTTGTT- TTTTCAA- - - AAATAATCAACTT- TCCTAACATGCTTCAGCCCTTCAACTTT								54191
Dog	CATACATTAACACT- - TGGAATTCTTTTTTCCAA- - - AAATAATGATTTTC- TCTTTACATGCCCCAGTCTCCTCCAACCTTT								50606
BelugaWhale	- - - - - TCAGCAAT- - TAGAGTTCTTCTTTAAAA- - - AAATAATTGTCTT- TCCTAACATGCCCCAGCCCTCCAACCTTC								50390
Donkey	- - - ATGTAAT- - TGATAGAATCATTTTTAAAACTTGAAATATCTGTTAAAGCTGAGCATATACATTTTCTTTGACTTA								55468
Cat	CATACATTAACACT- - TGGGATTCTTTTTTCCAA- - - AAATACTGATTTTC- TCTTTACATGTCCCTGACCTCTAACTTT								57569
Ferret	CACACATTAACATT- - TGGAATTCTTTTTTCCAA- - - AAATAATGATTTTC- TCTTTACATGTCCCAGCCCTCCTACTTT								57990
Lion	CATACATTAACACT- - TGGGATTCTTTTTTCCAA- - - AAATAATTGATTTTC- TCTTTACATGTCCCTGACCTCTAACTTT								55013
Vaquita	- - - - - TCAGCAAT- - TAGAGTTCTTCTTTAAAA- - - AAAGAATTGTCTT- TCCTAACATGCCCCAGCCCTCCAACCTTT								50912
Pig	AATAAGTTAAC- - - - TAGAGTTCTT- TTTATCA- - - AAATAAT- - - - - TGTAACATGCTGCAGCCCTCCACCTTT								47592

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Majority	GGAGA- TATTTTAT- - ATTTAAAGAGTTACCAAATCCATGTGGTATGAGGTTTGATCAGTAGCAGAC- - AATCTAGAAG								
	73290	73300	73310	73320	73330	73340	73350	73360	
Human	----- GGCTACCAAATCAATGTGGTATGAGGTTTTATGAATAGGAGAC- - AATCTAGAAG								58214
PolarBear	GGAGA- TATTTTAT- - ATTTAAAGAGTAACCAAATCCATATGGTATGAGGTTTGATCAGTAGCA- - - - - ATCTAGAAG								20270
Cow	GGAGA- TAA- - - - - AAATAGATACCAAATAATTGTGGTATGAGGTTTGATCAATAGCAGAC- - AATCTAGAAG								54257
Dog	GGAGAATATTTTATGTATTTAAAGAGTAACCAAATACATGCGGTATGAACTTTGATCAGTAGCAGAC- - AGTCTAAAAG								50684
BelugaWhale	GGAGA- TATTTTAT- - ATTTAAAGAGTTACTGAAATCATTGTGGTATGAGGTTTGATCAGTAGCAGAC- - AATCTAGAAG								50465
Donkey	GTAAATCTCCTTCT- - AGTTACATACCTGAGAAAATACATGCA- TATGTACGTCAAAGATATGTATGGGAAAGTTCATG								55545
Cat	GGAGA- TATTTTAT- - ATTTAAAGAGTAACCAAATCCATGTGGTATGAGGTTTGATCAGTAGCAGAC- - GGTCTAGAAG								57644
Ferret	GGAGA- TATTTTAT- - ATTTAGAGAGTAGCCAAATCCATGTGGTATGAGGTTTGGTCAGTAGCAGAGAAAATCTAGAAG								58067
Lion	GGAGA- TATTTTAT- - ATTTAAAGAGTAACCAAATCCATGTGGTATGAGGTTTGATCAGTAGCATA- - GGTCTAGAAG								55088
Vaquita	GGAGA- TATTTTAT- - ATTTAAAGAGTTACTGAAATCATTGTGGTATGAGGTTTGATCAGTAGCAGAC- - AATCTAGAAG								50987
Pig	GGAGA- TATTT- AT- - ATTTAAAGGGTTACCAAATCATTGTGGTATGAGGTTTGATCAATAGCAGAC- - AGTCTAGAAG								47666

Majority	CCATGATCTTTATGGCATTTTTCACA- - - - - ACTTCAXAACAXATTTAAA- TATAGTGCATXTTTTT- CTTAA								
	73370	73380	73390	73400	73410	73420	73430	73440	
Human	TCATGGTTTCTGTGACATTTTTTCACA- - - - - ACTTCA- - - AACGTTTAAA- TATAGTCTACATTTTTT- CTTGG								58277
PolarBear	CCATAATCTTTATGGCATTTTTTTTTGC- - - - - AACTTCACAACATATTAGAA- TATAGTGCATGTTTTT- CTTAA								20340
Cow	CCATGTTCTTGATGGCATTTTTCACA- - - - - ACTTCA- AACAAATTTAAA- TATAGTGCACATTTTTT- CTTAA								54322
Dog	TCATGATCTTTATGGCATTTTTTT- - GC- - - - - AACTTCACAACATATTTAAAATATAGTGTATGTTTGT- CTTAA								50751
BelugaWhale	CTGTGTTCTCGATGGCACTTTTCACA- - - - - ACTTCA- AACAAATTTAAA- TATAGTGCACATTTTTT- CTTAA								50530
Donkey	GCATACTATATGTAATAGCCCAAAGCT- - - - - GGAAACAGTCCAAAGTCCAAATATGTTTCCAGCAGCAGAATATAT								55615
Cat	CCAGGATGTTTATGGCACTTTTCACA- - - - - GCTTCAAATATTTAAA- TATAGTGCATGTTTTT- CTTAA								57708
Ferret	CCATGATCTTTATGGCATTTTTTTTTCCCC- - - - - ACCATGACAACATATTTAAA- TATAGTGCAT- - TTC- - CTTAA								58136
Lion	CCAGGATGTTTATGGCACTTTTCACACTTCCAAATATTTCACTTCCAAATATTTAAA- TATAGTGCATGTTTTT- CTTAA								55166
Vaquita	CCGTGTTCTCGATGACACTTTTCACA- - - - - ACTTCA- AACAAATTTAAA- TATAGTGCACATTTTTT- CTTAA								51052
Pig	CCATGTTCTC- - - GGCAATTTTCATA- - - - - GCTTCA- AACAAATCTAAA- TATAGTGCATGTTTTT- CTTAA								47728

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Majority	TGTGGAATATTTT- - - - TTGTC- - ATCCCTTCTGATXCAGAGGGAA- GAGTA- - - - TTTGGTAAAGG- ACCAATGAAATG
	73450 73460 73470 73480 73490 73500 73510 73520
Human	TGTGGAATATTTT- - - - CCTTG- - - CTCTTCTGACCCCAAAGAAA- - AGTA- - - - TTTGTTAGAGG- ACCAATTAAATG 58342
PolarBear	TGTGTAATATTTT- - - - TTGTG- - ATCCCTTCTGAGGCAGAGGGAA- GAGTA- - - - TTTGGTAAAAG- ACCAATGAAATG 20408
Cow	TGTGGAATATTTTCTTTTTGTCA- TTCCCTTCTGATCCAGAGGAAC- - ACAC- - - - TTTAGTAAAGG- ACCAGTGAAATG 54394
Dog	TGTGGAATATTTT- - - - CTGTC- - ATCCTTCTGATGCGGAGGGAA- GAGTA- - - - TTTGGTAAAGG- ATCAATGAAATG 50819
BelugaWhale	TATGGAATATTTTC- - - TTTGTCA- TTCCCTTCCGATCCAGAGGAAG- - AGTA- - - - TTTGGTGAAGG- ACCAGTGAAATG 50600
Donkey	TGTGGTATATTCATTCATTGAA- - ATTCATTGGAATACACAAAGAGTGAATAAGCTCCTAGTACCTGCAGTAATACATGG 55693
Cat	TGTGGAATATTTT- - - - TTGTC- - ATCCCTTCTGATGGAGAGGGGAAGAGTA- - - - TTTGGTAGAAG- G- CAATGGAATG 57776
Ferret	TGTGAAATATTTT- - - - TTTTATCACCTCTTCTGGTGCAGAGGGAA- GAGTA- - - - TTTGGTAAAAG- ACCAATGAAATG 58206
Lion	TGTGGAATATTTT- - - - TTGTC- - ATCCCTTCTGATGGAGAGGGGA- GAGTA- - - - TTTGGTAGAAG- G- CAATGGAATG 55233
Vaquita	CATGGAATATTTTC- - - TTTGTCA- TTCCCTTCCGATCCAGAGGAAG- - AGTA- - - - TTTGGTGAAGG- ACCAGTGAAATG 51122
Pig	CGTGAATATATT- - - - TTTGCAA- TTCCCTTCTGATCCAGAAGACT- - A- - - - - TTTGGTAAACGG- ACCAATGAAATG 47794

Majority	GAATTTGATTTGGAATTATACTGCATTTGGGCTATA- - ATTC AATGGGGAAAGTAGTTTATATGTGTXTTTTGTCTGAXG
	73530 73540 73550 73560 73570 73580 73590 73600
Human	AAATTTGAGTGGGGATTATACTGTGTTTGAGCTATAATTCTTAA- GGGGAAAATTGTTTATATGTGTATCTTGTCTGAAG 58421
PolarBear	GAATTTGATTTGGAATTATACTGCACTGGGGCTATA- - GTTCAGTGGGGAAAGTAGTTTATATGTGTGTTTTGTCTGAAA 20486
Cow	GAATTTGTTTCAGAATTGTACCTCATTTGGGCTATGTGATTCAATGGGGAAAGTAGTTTATATATATTTTT- - - C- - A- G 54468
Dog	GAATT- - - - - - - - - - - - ACACTGTGTTTGGGCTGTA- - ATTCAGTGGGGAAAGTAGTTTATATGTGTGTTTTGTCTGAAG 50885
BelugaWhale	GAATTTGATTCAGAATTATACTGCATTTGGGCTATACAATTCAAGTGGTTAAAGTAGTTTATATATATCTTT- - - C- - A- G 50674
Donkey	ATGTGCGTCTTAAAAATAACGTTTCTTGAAAGAAGCCAGACCAACGTAGATCACATACTAT- - ATG- ATTCATTT- ATG 55769
Cat	GAATTTAATTTGAAATTACACTGCATTTGGGGTATA- - ATCCAATGGGGAAAGTAGTTTAT- - GTG- - TTTTGTCTGAGG 57850
Ferret	GAATTTGATTTGAAATTACACTATATTTTGGGCTATA- - ATTC AA- GGGGAAAGTAGTTTATGTGTGTGTTTCATCTGAAA 58283
Lion	GAATTTAATTTGAAATTACACTGCATTTGGGGTATA- - ATCCAATGGGGAGAGTAGTTTAT- - GTG- - TTTTGTCTGAGG 55307
Vaquita	GAATTTGATTCAGAATTATACTGCATTTGGGCTATACAATTCAAGTGGTTAAAGCAGTTTATATATATCTTT- - - C- - A- G 51196
Pig	AAATTTGAATTGGAATTATACTACATTGGGGCTATATAATTCAAGTGGGGAAAGTAGTTTATATATATATCTTC- - - C- - A- G 47868

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Majority	TXTACAGTTGTAATTCCAAGAGAGT- - - AGGTAATTATTX- - - ATTA- - - TTAATTAXCTA- TTCTGGTATCTGA- AC								
	73770	73780	73790	73800	73810	73820	73830	73840	
Human	TCTAAAGTTATAATTCTAAGAGAGT- - - -	AGATAATTGT- - - - -	TTTA- - - -	CTAAGTACTTA- TTCTGGTATCAGA- AC	58637				
PolarBear	TACACAGTTGTAATTCCAAAAGAGT- - - -	AGGTAATTATTGAATATTA- - - -	TTAATTAAGT- TTCTGGTATCTGA- AC	20705					
Cow	TCTACAG- - - - -	AGATAATTAC- - - -	TTTA- - - -	TTAAGCTTTTA- TTCTGGTATCTGA- GC	54618				
Dog	TGTACCATTGTAATTCCAAGAGAAT- - - -	AGGTAATTGTTTGATATTA- - -	TTAATTAGCTA- TTCTGGTATCTGA- AC	51096					
BelugaWhale	TGCGCAG- - - - -	CAAAGGCTCC- - - -	AGACACACAGG- - - -	CTTA- - - -	GCGGCCATGGC- TCATGGGCCCAGCCAC	50808			
Donkey	TGTGTAAT- - - -	GTTTCAATAAGTT- - - - -	TAATTAATA- - -	TCTAG- -	ATTGGCAAGCCAGCTCTGCTTTATGA- AT	55970			
Cat	TCTACAGTTGTAATTCAGAGGGAGTTATTAGGTAATTATTTAATATTTCG- - -	TTATTTAACTA- TTCTGGTATCTGA- AC	58069						
Ferret	TGTATAATTGCAATTCCAAGAGAGC- - - -	AGGTAATTATTTAGTATTAATTATTAATGAAC- TTTTGGTATCTTA- AC	58504						
Lion	TCTACAGTTGTAATTCAGAGGGAGTTATTAGGTAATTATTTAATATTTC- - -	TTATTTAACTA- TTCTTGTATCTGA- AC	55526						
Vaquita	TGCGCA- - - - -	ACACAGG- - - -	CTCA- - - -	GCGGCCATGGC- TCATGGGCCCAGCCAC	51330				
Pig	TCTACAATTGTTATTCTAAGAAATT- - - -	AGGTGATTATA- - -	TTTA- - - -	CCAAGTTTTTA- TTCTGGTATCTGA- AC	48041				

Majority	TCAACTTCATTTTAC- - TTATTAG- AGAAGGAAAAAAGAGTTTATTTCCCAAACCTTGCTT- GCCCCATTATCTTGTA- -								
	73850	73860	73870	73880	73890	73900	73910	73920	
Human	TCA- - - -	CACTTAC- -	TTATTAC- AGAAGGAAAAAAGAAATTTGTTTCTAAACTTGCTTTGCCCCATTACCTTGTA- -	58708					
PolarBear	TCAAGTTCACTTACTATTATTAG- AGAAGGAAAAA- - -	GTTTATTTCCAGACTTGCTT- GCCCCATTATCTTATA- -	20778						
Cow	TTA- CTGTATTGCAC- -	TTATTGGTGAAGGAAAAAAGGAATCTATTTCTAATCTTGCTT- GTCCCATTATCTTGTA- -	54692						
Dog	TCAACTTTATTTTAC- -	TACTAG- AGAAGGAAAAA- AGTTTATTTCCCAAACCTTGCTT- GCTCCATTATCTTGTA- -	51169						
BelugaWhale	TCTGTGACATGTGGG- -	ATCTTCCCGACCGGGGCACGAACCCATGTCC- - - -	CCTGCAT- CGGCGGGCGGACTCTGAAG	50881					
Donkey	TAAAAAATGTAA- GCATTTATTAATGATAATGGAGA- - -	ACATAATTGTTAAGCTAAAAA- AGGAGGATGGAGAACAGTG	56045						
Cat	TGAACATTGTTTAC- -	TTATTAG- AGAAGGAAAAAAGAGGTCGTTTCCCGAACTTGCTT- GCCCCATTATCTTGTA- -	58143						
Ferret	T- - - -	TCATTTCACTATTATTAG- AGAAGGAAAAA- -	GTTTATTTCCCAAACCTTG- - - -	CCCATTATTTATA- -	58569				
Lion	TGAACATCATTTAC- -	TTATTAG- AGAAGGAAAAAAGAGGTCGTTTCCCGAACTTGCTT- GCCCCATTATCTTGTA- -	55600						
Vaquita	TCTGTGACATGTGGG- -	ATCTTCCCGACCGGGGCACGAACCCGTGTCC- - - -	CCTGCAT- CGGCAGGCGGACTCTGAAC	51403					
Pig	TCAATTATTTTAC- -	ATTTTAG- AAAAGAAAAAAGGAGTTTGTGTTTCTAAACTTGCTT- GCTCCATTATAATCCAGAG	48117						

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Majority	----- CCCAGACXC -----								
	73930	73940	73950	73960	73970	73980	73990	74000	
Human	----- TCTAGACCC -----								58717
PolarBear	----- CC- TGATAC -----								20786
Cow	----- TCCAGACT -----								54700
Dog	----- CCCTGACAC -----								51178
BelugaWhale	CACTGC-----GCCACCAGGGAA-----								50899
Donkey	AATAGT-----ATGGGAGAAAACGTGGAGTA-----G-----								56072
Cat	----- TCCAGATTC -----								58152
Ferret	----- CCCTGACAC -----								58578
Lion	----- TCCAGATTC -----								55609
Vaquita	CACTGC-----GCCACCAGGGAA-----								51421
Pig	CCGCACCCATGGCATACAGAAGTTCACAGGCTAAAGGTTAATTAGAGCTGCAGCTGCTGGCCACAGCCACAGCCACGCAG								48197

Majority	-----								
	74010	74020	74030	74040	74050	74060	74070	74080	
Human	-----								58717
PolarBear	-----								20786
Cow	-----								54700
Dog	-----								51178
BelugaWhale	-----								50899
Donkey	-----								56072
Cat	-----								58152
Ferret	-----								58578
Lion	-----								55609
Vaquita	-----								51421
Pig	GAACCAAGCTGCAGCTGCGACTTACACCACAGCTCATGAAAACACAGGGATCGAACCTGCATCCTCATGGATACTAGTCG								48277

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Majority	----- CTTGTTAAAACATATACTTTTGATGACTCTAGTAATTTTTCTT--- CATGC								
	74090	74100	74110	74120	74130	74140	74150	74160	
Human	----- TTTGGTAAAATTTGCATTTTTGATAACTACAGTAATGTTTCATTTTACTTGC								58768
PolarBear	----- CTTGTT----- TTGATGACTGTAGTAATCTTTCTT--- CATGC								20821
Cow	----- CCTTTTAAAACCTATACTTTGGATGACTCCAGTATTTTTCTT--- CATA								54748
Dog	----- TTTGTTGAAACAGA- - CTTTTGATGACTGTAGTAATTTTTCTT--- CATGC								51224
BelugaWhale	----- G- - - - CCCTAAACATATACTTTTGATGACTCCAGTCATTTTTCTT--- CATGC								50945
Donkey	----- AAATATACTTAAATG- - - - - CTTGTTTGAACAGATGTACACATG- - - CATGC								56117
Cat	----- CTTGTTAAAACATATACTTTTGATGACTCTAGTAATCTTTCTT--- CATGC								58200
Ferret	----- CT----- GACTGTAGTAATCTTTCTT--- CATGC								58604
Lion	----- CTTGTTAAAACATATACTTTTGATGACTCTAGTAATCTTTCTT--- CATGC								55657
Vaquita	----- G- - - - CCCTAAACATATA- - - - - ATGACTCCAGTCATTTTTCTT--- CGTGC								51461
Pig	GGTTCGTTAATACTGAGCCACGACAGGAACTCCTTCAAACATACACTTTTGATGACTCTAGTAATTTTTCTT--- CATGC								48354

Majority	CTGTATCTGGACT- - - - GTTGAGTGTACCTAGAGAATATC- ACATAATCTAG- CAGTTGGTACCAGTTTAAATTCATCAG								
	74170	74180	74190	74200	74210	74220	74230	74240	
Human	CTGCATCTGGGCTCTACTTAGAGAATAT- CACATAAATATT- ACATAATCTGA- CAATTGGTACCAGTTTAAATCCATCAA								58845
PolarBear	CAGTATCTGACT- - - - GTTGAGTATACCTAGAGAATATC- ATATAATCTAG- CAATTGGTACCAGTTGAAATTCATCAT								20895
Cow	CTT- ATCTGGACT- - - - ATTGAGTGTAGCCAGAGAATATC- ACATAATCTAACCAGTTGATAGCAGTTTAAACTCATCAG								54822
Dog	CCATATATGGACT- - - - GTTGAGTATACCTAGAGAATGTC- ATATAATCTAG- CAGTTGGTACCAGTTGAAATTCATCAG								51298
BelugaWhale	CTTTATCTGGACT- - - - GTGGACTGTACCTAGAGAATATC- ACATAATCTAGCCAGT- - - - ACTAATTTAAATTCTTCAG								51016
Donkey	TTGTGTATGTA- - - - - AATGGTTTCTCTGGAAGGATACC- - CAAGATAAGGTTGGTGAGGAGTGGGTTGGGAAAGCAG								56189
Cat	CTGTATCCAGACT- - - - GTTGGGTGTACCTAGGGAATATC- CTGTAATCTAG- CAGTTGATACCAGTTGAAGTTTATCAG								58274
Ferret	CTGTAT- - - - - - - - - - - ATTGAGTATAC- TAGAGAATATC- CTATAATCTAG- CAATTGTTACCGGTCGAAATTCATCAT								58670
Lion	CTGTATCCAGACT- - - - GTTGGGTGTAGCTAGAGAATATC- CTGTAATCTAG- CAGTTGATACCAGTTGAAGTTTATCAG								55731
Vaquita	CTTTATCTGGACT- - - - GTGGACTGTACCTAGAGGATATC- ACATAATCTAGCCAGT- - - - ACTAATTTAAATTCTTCAG								51532
Pig	TTTTATCTGGACT- - - - GTTGAGTGTGCCTAGAGAATAACTACATAATCTAAGCAGTTGGTACCAGTTTAAATTCATCAG								48430

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Majority	CCTACTGCTTCTCAGAAAAAATA- GAAACTATCAGATGGAAACTCCCATCAGCTTTTCTCACAAAATCTACTTATACCX-								
	74410	74420	74430	74440	74450	74460	74470	74480	
Human	CTT- - - - - GAAGAGGAAAA- - - - - TCACATGGAAGCTTC- ATCAGCTTTTCTTGCAAAATCTGCTAATACTCA								59045
PolarBear	CCTCCCCTTCTCAGGAAAAAATA- GAAACTATCAGATGGAAACTCCCATCAGCTTTTCTCACAAAATCTACTTAAAACA-								21121
Cow	CCTACTGCTTCTCAGAAAAAAGAAACTATCAGATGGAAAGTCTTATCAGCCTTTCTCACAAAATATACTTATACC- -								55044
Dog	TGTA CTGCTTCTCAGGAAAAAATA- GAAACTATCAGATGGAAACTCCCATTAGCTTTTCTCACAAAATCTAATTATATCA-								51523
BelugaWhale	CCTGCTGCTTCTCAGAAAAAATA- GAAACTATCAGATGGAAACTCC- ATCAGTATTTCTCACAAAATCTACTTATACC- -								51228
Donkey	GTT- CGAATCCTGGGCGCGGACATGGCACTGCTCATCGGACCACGCTGGGGCGGCGTCCC GCATGCCACAGCTGGGAG- -								56419
Cat	CCTACTATTTCTCAGAAAAAATA- GAAAGTATCAGATGGAAACGCCCATCAGCTTTTCTCACAAAATCCACTTATACCA-								58486
Ferret	CCTCCTGCTTCTTAGGAAAAAATA- GG- - - - - TGGACACTCCCATCAGCTTTTCTCACAAAATCTACTCATACCA-								58882
Lion	CCTACTATTTTTTCAGAAAAAATA- GAAGGTATCGGATGGAAACTCCCATCAGGTTTTCTCACAAAATCCACTTATACCA-								55943
Vaquita	CCTGCTGCTTCTCAGAAAAAATA- GAAACTATCAGATGGAAACTCC- ATCAGTATTTCTCACAAAATCTACTTATACC- -								51744
Pig	CCTACTGCTTCTCTGTAAAAAATA- GAAACTGTCAAATGGAAAGTCC- ATCAGCTTTTCTCGCAAAATCTACTTATACC- -								48653

Majority	CACCTATCTT- - - - - TCTCTTCTA- ATAA- AAGGCATAGATATTT- - - - - CTAAGACC								
	74490	74500	74510	74520	74530	74540	74550	74560	
Human	CACTTGTCTT- - - - - TCTCTTTTA- ATAA- AAGGCATAGATGTTTAGTTATCTAAGACC								59097
PolarBear	CACCTATCTT- - - - - TCTCTTCTA- ATAA- AAGGCATAGATATTT- - - - - CTAAGACC								21167
Cow	CACACATTTT- - - - - TTTCTTCTAGATAT- AAGGCATAGATATTT- - - - - CTAAGACC								55091
Dog	CACCTATCTT- - - - - TCTCTTCTA- ATAA- AAGGCATAGATATTT- - - - - CTAAGACC								51569
BelugaWhale	CACACATATCTG- - - - - TCTCTTCTAAATAA- AAGGCATAGATATTT- - - - - CTAAGACC								51277
Donkey	GACCCACAACGAAGAATATACA ACTATGTACCGGGGGGCTTTGGGGACAAAAGGAAAAAATAAAA- - - - - TCTTTAAA								56493
Cat	CACCTATCAT- - - - - TCTCTTCTA- ATAA- AAGGCATAGATAACT- - - - - TTAGGACA								58532
Ferret	CACCTATCTT- - - - - TCTCTTCTA- TTAA- AAGGCATAGCTATTT- - - - - CTAAGATC								58928
Lion	CACCTATCGT- - - - - TCTCTTCTA- ATAA- AAGGCATAGATGACT- - - - - TTAGGACA								55989
Vaquita	CACACATATCTG- - - - - TCTCTTCTAAATAA- AAGGCATAGATATTT- - - - - CTAAGACC								51793
Pig	CACATAGTCTCACAAAATCTACTTATACCCATACATATCTTCTAAATA- - AAGGCATAGATATTT- - - - - CTAAGGCT								48725

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Majority	AGTAAACACCAGATCCTATCCTCTTCTGCCTTTCAAGAGACTTTGCACT- - CTTTCATCCCCTCTTTCTTATATTTTT								
	74570	74580	74590	74600	74610	74620	74630	74640	
Human	AATAAACACCAAAGCCTATCGTCTTCTGCCTGTCAAGAGACTGCACTAT- - CTGTCATCCC- - CTTTCTCATTTATTTCT								59173
PolarBear	AGTAAACACCAGATCCTGTCCTCTTCTGCCCTCCAAGAGACTGCACGAT- - CTGTTATCCCCTCTTTCTC- - ATATTTTT								21243
Cow	AGTAAACACCAGACACCACCCTCTTCTGCCTCTTAGGAGTCTTTGACT- - - - TTTATCTCCCCTTTCTCTTGTATTTTT								55167
Dog	AGTAAATACCAGATCCTGTTCTCTTCTGCCCTCCAAAAGACTTTGCA- - - - CTATCATCCCTTCTTTCTCTTATATTTTT								51645
BelugaWhale	AGTAAACACCAGATACCATCCTGTTCTGCCTCATAAGAGCCTTTGCATT- - - - TTCATCCCCTCTTTCTCTTGTATTTTT								51353
Donkey	AAAAAAAAAGATATTCATGATTT- - GAAATTGCAGATGTTAGTGTTTATGAGAGTGTTTACTGTCATACATATCTTTTG								56571
Cat	AGTAAACACCAGATCCTGTCCTTCTTCTCCCCTTCAAGAGACTTTGCACTATCGTTCATCCCCTCTTTCTCTTACATTTTT								58612
Ferret	AGTAAACACCCCATCCTGTCCTTTTCTGCCCTCCAAGAGACTTTGCA- - - - CTGTCATCCACTCTTTCTC- - ATATTTTC								59002
Lion	AGTAAACTCCAGATCCTGTCCTTCTTCTCCCCTTCAAGAGACTTTGCACTATCGTTCATCCC- TCTTTCTCTTACATTTTT								56068
Vaquita	AGTAAACACCAGATACCATCCTGTTCTGCCTCATAAGAGCCTTTGCATT- - - - TTCATCCCCTCTTTCTCCTGTATTTTT								51869
Pig	GGTAGACACCAGATCCCATTCTCT- CTGCCT- - - GAGAGCCTTTGCACTA- - TCTTTCTTTCTCTCTCTGTTATATTTTT								48799

Majority	CTCTATGTTGGC- TACTTCTCACCAGTGTTTTCAAGTATCCTTAAATXTCTCTCA- - - - - TTTTAAXTGAATTTAC- - - -								
	74650	74660	74670	74680	74690	74700	74710	74720	
Human	CTCTATATTGGC- CACTTTTACCAG- - TTTCAAGCATTCTCAGCTTC- TTTCA- - - - - TTTTAAATGAATTTACCTTC								59243
PolarBear	TTCTCTGTTGGC- TACTTCTCACTAGTGTTTTCAAATATCCTTAAATCTCTCTCA- - - - - TTGTAAGTAAATTTAC- - - -								21312
Cow	CTCCATGTTAGT- TACTTCTCACCAGTTTTTCAAGTGTGCCTAAATGTCTCTCTCTTTTTTTTTTAAATGAATTTATT- - -								55243
Dog	CTCTTTGTTGGC- TATTTCTCACCAGTGTTTTAAGTATCCTTATATCTCCTTCA- - - - - CTGTAATTGAATTTAC- - - -								51714
BelugaWhale	CTCTTTGTTGGT- TACTTCTCACCAGTGTTTTCAAGTGTGCTTAAGTGT- TCTCTC- - ATTTTTTAAATGAATTTAC- - - -								51425
Donkey	ATGTACACATGCATGTGTTTTCTCAGGTATGTAAGTGGAGTAGATTTACTAAG- - - - - TCAAAGAAAATGTATA- - -								56641
Cat	CTCTGTGTTGGC- TACTTGTACCAGTGTACAAGCATCATTAAATTTCTCTCA- - - - - TTTTGAGTGAATTTAC- - - -								58681
Ferret	CTCTCTGTTGGC- TATTTCTCACCAGTATTTCAAACATCCTTAAATCTCT- - CA- - - - - TTGTATGTGAATTTAC- - - -								59069
Lion	CTCTGTGTTGGC- TACTTGTACCAGTGTACAAGCATCATTAAATTTCTCTCA- - - - - TTTTGAGTGAATTTAC- - - -								56137
Vaquita	CTCTTTGTT- - - - - ACTTCTCACCAGTGTTTTCAAGTGTGCTTAAGTGT- TCTCTC- - ATTTTTTAAATGAATTTAC- - - -								51937
Pig	CTCTACTTTGGC- CACCT- - - - - AGTATTTCAGGTATACTTAAGTGTCTCTC- - - - - ATTTTTTAAATGAATTTAT- - - -								48864

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Majority      -- CCTXAAXTCCACA- - - - - TATCTCT- - - - - CCATCTATCCCCCTXTTXXTCTTCCTTTTCA- - - TTTATAXCCAGA
                74730          74740          74750          74760          74770          74780          74790          74800
Human        AACTTTCAATCCATCCATC- TATAACTCTACGTACTTTCTATCACCCCTGCCTCCCCTCTCCCTTTTCACTCATAACCAGA 59322
PolarBear   -- CCTGAACTCCACA- - - - - TAACTCT- - - - - CCATCTATTACCCATTCTCCCTTTTT- - CA- - - TTTATAGCCAGA 21373
Cow         ACCCTTAACTCCATAAATTGATATTTAT- - - - - CCATCTAACACCTCATCTCCCTTTCTTTTCA- - - TTTATAACTACA 55315
Dog         -- CCTGAGTTCACA- - - - - TCTTTCT- - - - - CCATCTAT- CACCCTTTCTTCTCTCTTTTCA- - - TTTATAGCCAGA 51776
BelugaWhale -- CCTTAATTCTGTATTCCATATATCTGT- - - - - CCATCTAACACCTTGTCTCTCTTCCGTTTCTTCATTTATAACTAGA 51498
Donkey      TGCTCAGCTTTAACAGATATTTCAAGTTT- - - - - TTAAAAATGATTCTATCAATTTACATTCCCATCACTTATATATGAG 56716
Cat         -- CCTGAACTCCACA- - - - - T- - - - - - - - - - - ATGTAT- CACCCTTTCTTCTCCCTTTTCA- - - TTTATAGCCAGA 58735
Ferret     -- CCTGAACTCCACA- - - - - TAACTCT- - - - - CCAGCTATTCCCCTATTCTTCTCTTGTCA- - - TTTATAGCCAGA 59132
Lion       -- CCTGAACTCCACA- - - - - C- - - - - - - - - - - ATGTAT- CACCCTTTCTCCTCCCTTTTCA- - - TTTATAGCCAGA 56191
Vaquita   -- CCTTAATTCTGTATTCCATATATCTGT- - - - - CCATCTAACACCTTGTCTCTCTTCCCTTTCTTCATTTATAACTAGA 52010
Pig        -- CCTTAATTCCACA- - - - - TATCTGT- - - - - CCTCGTATCCCCTTGTTTCTTCTCCCTTTT- - - CGTATAACCACA 48926
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Majority      CTTXTTAAATAA- - - - - - - - - - - - - - - - - GCTCTCTTTGTTTGCTGTT- - - - -
                74810          74820          74830          74840          74850          74860          74870          74880
Human        CTTCTTAAATAGT- - - - - - - - - - - - - - - - - CTATCTTTG- TTGTT- - - - - - - - - - - - 59349
PolarBear   TTTATTAATAA- - - - - - - - - - - - - - - - - GCTCTCTTTGTTTGCTGTT- - - - - - - - - - - - 21404
Cow         CTTCTTAAATAA- - - - - - - - - - - - - - - - - GTTGTCTTTGCTTATT- - - - - - - - - - - - 55343
Dog         TTTACTAAATAA- - - - - - - - - - - - - - - - - GCTCTCTTTGTTTGCTGTT- - - - - - - - - - - - 51807
BelugaWhale ATTCTT- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 51504
Donkey      AATTCAAGCTT- - - - - - - - - - - - - - - - - CTCTACATTATTACCAACT- - - - - - - - - - - - 56748
Cat         CCTACTAAATAA- - - - - - - - - - - - - - - - - GCTCTCTTTGTTTGCTGTG- - - - - - - - - - - - 58766
Ferret     TTTACTAAATAG- - - - - - - - - - - - - - - - - GCCC- - TTTGTTTGCTGTT- - - - - - - - - - - - 59161
Lion       CCTACTAAATAA- - - - - - - - - - - - - - - - - GCTCTCT- - GTTTGCTTTG- - - - - - - - - - - - 56220
Vaquita   ATTCTTTTTTTTTTTTTTTTAAACATCTTTATTGGGGTATAATTGCTTTACAATGGTGTGTTAGTTTCTGATTTATAAC 52090
Pig        CTTCTTAAAGTAA- - - - - - - - - - - - - - - - - GCTGTCTTTGCTTGCTGATG- - - - - - - - - - - - 48959
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Majority	----- TATACTTACTCCCTTTTT- - - TTT- CTCTACCTACTATAATTTGGTTTTXAGCCCCCATT								
	74890	74900	74910	74920	74930	74940	74950	74960	
Human	----- TA- TTATCTCATTT- - - - - - CTCTACTTACTATTATTTGGTTTTAGCACT- GTT								59395
PolarBear	----- TATACTTACCTCCTTTTT- - - - - CTCTACCTACTGCAGTTTAGTTTTCAACCCCCATT								21456
Cow	----- AACTTATTCCCTTCT- - - TATTTCTCTACTTATTGTAATTTGGTTTCAGCACCCATT								55398
Dog	----- TATACTT- CTTTTTATTT- - - - - CTCTACCTACTATAATTTGGTTTCAACCCCCTTT								51858
BelugaWhale	-----								51504
Donkey	----- TG- - - - - GTATTTAC- - CCCTCTTAATTTTAGCCAATCTGGTAGGACATGGTAGTGTCTCATGGT								56806
Cat	----- TATACTTTTTCCCTTTTTA- - TTT- CCTCACCTACTATAATTTGGTTTCAGCCCCGATT								58822
Ferret	----- TATACTTACCTCCTTTTTA- - TTTCTCTACCTCTTGCAATTTGGTTTTGACCCTCCTT								59218
Lion	----- TATACTTTTTCCCTTTTTA- - TTT- CCTCACCTACTATAATTTGGTTTCAGCCCCGATT								56276
Vaquita	AAAGTGAATCAGCTATACATACATGTGCTCCCATGTGTCTTCCCTCTTGGCTCTCCCTCCCTCCCACTCTCCCCCTCC								52170
Pig	----- ACACTTACTCTCCTCTCT- TCTTTCTTTAATGATTGTGCTTTGGTTTTAGCCTCCATT								49016

Majority	TACCCAAATTGTTCTTC- CCAGTGTACCAGTGATCACTACAGTAGCTAAATCTCAGCAG- X- TTATTCAGTX- - - - -								
	74970	74980	74990	75000	75010	75020	75030	75040	
Human	GACCCAAATTGCTCTTCCTCAGCGTCACCAGCGATTAGTAGAGTAGCTAAATGCTAGTGATA- TGATTTAGTC- - - - -								59467
PolarBear	TACCCAAATTGTTCTTC- CCAGTGTACCAGCGATTGCTATAGT- GCTAAATCTCAGCG- - - - TAATTCATC- - - - -								21523
Cow	TACTCAACAAGAGATCA- CTGGAGTAGCTAAATCTCATCAGAATTGTTCAAGTCC- - - - - TT- A- - - -								55454
Dog	T- CCCAAATTGTTCTTTTCCAGTGTGATCAGTATCACTACAGTAGGAAAATCTAAAAAGCA- TTATTCAGTTTAATGAA								51936
BelugaWhale	-----								51504
Donkey	GATTTTAATTTGTATTA- - - AAGGTTCTTAATCCCAACC- - - TAATCCCCTCTTAGGAG- ATGGGGATATTTCCATACT								56878
Cat	TACTCAAATTATTCTTC- CCAGTGTCCCAG- GATCACTACACTAGGTAAATCTCACCAGCC- TTATTCAGTC- - - - -								58892
Ferret	TACCCAAATTGTTCTTC- CTAAGTGTACCAGTGATTGCCACAGT- GCTAAATCTCAACAGTA- TTATTCATC- - - - -								59288
Lion	TACTGAAATTATTCTTC- CCAGTGTCCCAG- GATCACTACAGTAGGTAAATCTCACCAGCC- TTATTCAGTC- - - - -								56346
Vaquita	CACCCCTCCAGGCTGTC- CCAAAGCCCCGAGCTTATATCCCTGTGCCTTGGGGCTGCTTCCCCCTAGCTATCT- A- - - -								52243
Pig	TACCCAAGTTGTTCTTC- CCAGGGTACCAGTGATCACTGGAGTAGCCAGATGTCAGC- - - - - AG- - AATT- A- - - -								49080

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Majority	----- CTT --- A - - CCTATCCTCTAGGTAACATTTG- ACACTGTG- ----- XGCCATTCTCT							
	75050	75060	75070	75080	75090	75100	75110	75120
Human	----- CTTGTCTTACTTAATACCTAGATAATATTTG- GCACTGTGC- ----- ACCATTGTCT	59517						
PolarBear	----- CTGATCATCCATAT- - - CTAGGTAACATTTG- ACACTGTG- ----- AGCCATTCTCT	21570						
Cow	----- TCTT --- A - - CCTAACCTCTAGGTAACCTTTG- ACACTGAATCT- ----- GTCTTTCCCT	55502						
Dog	TTCAGTTCTTATCATCCCTAACCTCTAGGTAACATTTG- ACACTGTA- ----- AGCCATTCTCT	51993						
BelugaWhale	-----	51504						
Donkey	TGTAATAATAGACAGGTATAG- - TGTAAGGACCTGTTCACTAATGAA- ----- GAAATAATAT	56933						
Cat	----- CTTACCCTCTAGGTACCTTTGATACAGCGTG- ----- AGCCATTCTCT	58934						
Ferret	----- CTTATTGTCCCCATTCTCTAGGTAACATTTG- ACTCTG- ----- AGCCATTCTCT	59336						
Lion	----- CTTACCCTCTAGGTACCTTTGATACAGCGTG- ----- AGCCATTCTCT	56388						
Vaquita	----- CCTTA- - C - - TACGTTTGTAGTGTGTATATG- TCCATGACTCTCTCTCGCCCTGTCAAAACTCACCCCTTCCCC	52312						
Pig	----- TCT --- G - - CCTGTCCTCTAGGTAGCACTTG- ACACTGAGC- ----- TATTCCTT	49124						

Majority	TTCTTAAAATCXTCTXTTCTCCTGGTCTCTAACACTTCTCACCTAGAT- ATATTCCACCTCTCTGXT- - - - A- - - - -							
	75130	75140	75150	75160	75170	75180	75190	75200
Human	T- - - - AAAATTCTCTTTCTTCTCCTGGTCTCTGATACTTCTCACCTGGAT- TTATCCTACCTCTCTATTT- - - - -	59580						
PolarBear	TTCTTAAAATCATCTCTTCTCCTGGTCTCCAACACTTCTTGCTTAGAT- GTATTCTACCTCTCTGACT- - - A- - - - -	21638						
Cow	TTCTTAAAATCCTTTTTTCTCCTGGTCTTTAACACTTCTCACCTAGAT- ACATCCCACCTCTCTGTTC- - - A- - - - -	55570						
Dog	TTCTTAAAATTGTCTCTTCTCCAGGTCTTTAACACTTATCAACTGGAT- ATATTCCACCTCTCT- - - - - A- - - - -	52057						
BelugaWhale	-----	51504						
Donkey	TGCAGTGAAGTCTTAAAAAACTA- - TTTAAATATGTATTAGGTAAATATATTCAAACATTTAAATTAATA- - - - AACA	57007						
Cat	TTCTTAAAATCTTCTTTTCTCCTGGCCTC- AACACTTCTTGCTAGAT- ATGTTCCACCTCTCT- - T- - - - -	58997						
Ferret	T- - - - AAAATCATCTCTTCTCCTGGTCTCTAACTCTTCTCGCTTAGATTATATTTTACCTCTCTGACT- - - A- - - - -	59401						
Lion	TTCTTAAAATCTTCTTCTCCTGGTCTC- AACACTTCTTGCTAGAT- ATGTTCCACCTCTCT- - T- - - - -	56451						
Vaquita	CTCCCCATATCCTCAAGTCCGTTCTCCAGTAGGTCTGCGCCTCTATTC- CTGTCTTATCCCTAGGTTCTTCATGACATTT	52391						
Pig	TCTTAAAATGTTCTTTTCTCCTGGTCTCTGACACTTCTCATCTAGAT- TTATCCCACCTCTCTGAC- - - - -	49190						

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Majority	- TGTCTTATCA- - - - - TATCCTTCCC- - - - CTTCTGCCTGGGGGACTTCACCTGTTCT							
	75210	75220	75230	75240	75250	75260	75270	75280
Human	CTTCCTTGTCT-	- - - - -	- - - - -	TGTA	ACTCCC-	- - - -	CTTCTACCTGGGAGGCCTCACCTGCTGT	59629
PolarBear	- TGTCTTATCA-	- - - - -	- - - - -	TATCCCTCCCTACCCTTCTGCATGGGGGACTTCATCTATTCC	21690			
Cow	- TTATTTGTT-	- - - - -	- - - - -	G-	TATCCCTCCC-	- - - -	CTTCTTTTAGGGTGACCTCACCTGTTAT	55618
Dog	- TGTCTTATCA-	- - - - -	- - - - -	TATCCCTCCC-	- - - -	TTCTGCCTGGGGGACTTCATCTATTCC	52104	
BelugaWhale	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	51504
Donkey	TTGCTCTAGAAAT-	- - - - -	- - - - -	CTTTTTATCCTGCTTTATTTTCTGTATAACTGTATTCTCCAT	57062			
Cat	- TGTCTCATCA-	- - - - -	- - - - -	TATCCTTCCCTTCTTTCTGCCTGGGGGACTTCACCTGTTCC	59049			
Ferret	- TATCTTATTA-	- - - - -	- - - - -	TATCCTTCC-	- - - -	CTTCCGCAGGGGGGACTTAATCTGTTTT	59449	
Lion	- TGTCTCATCA-	- - - - -	- - - - -	TATCCTTCTCTTCTTTCTGCCTGGGGGACTTCACCTGTTCC	56503			
Vaquita	TTTCCCCTTAAATTCCATATATATGTGTTAGCATACGGTATTTGTCTT-	- - - -	TGTCTTTCTGACTTACTTCACTCTGTAT	52467				
Pig	- TTCTTTCTT-	- - - - -	- - - - -	T-	TTTCATCCCT-	- - - -	CTTCTGCCAGGGGGACCTCACCTGTCCT	49238

Majority	- - - - - CAXAGCTCAATTACAC- - - - CTTTGTGACTCTGACAGTGCXC- - - ACAT								
	75290	75300	75310	75320	75330	75340	75350	75360	
Human	- - - - -	- - - - -	- - - - -	CACAGCTCCATTAAACC-	- - - -	TCTTATGATTTCAGACAGAGTTC-	- - - ACAT	59672	
PolarBear	- - - - -	- - - - -	- - - - -	CACAGCTGAATTATACTATACTTTGTGACTCTGACAGTGCCC-	- - - CCAT	21736			
Cow	A-	- - - - -	- - - - -	CACAGCTTAGTTACAC-	- - - -	TTTGTGATTCTGACAGTACTC-	- - - ATAT	55660	
Dog	- - - - -	- - - - -	- - - - -	CGCAGCTGAGTCACAC-	- - - -	CTTTGTGACTCTGACAGTGCCTTTGACAT	52149		
BelugaWhale	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	51504	
Donkey	A-	- - - - -	- - - - -	GTAGTGTA	ACTGTG-	- - - -	TTTATTGTATTAA- - ATATTTATCAAAT	57103	
Cat	- - - - -	- - - - -	- - - - -	CATAGCTCAATTATAC-	- - - -	CTTCATGACTCTGACT- TGCCC-	- - - ACGT	59090	
Ferret	- - - - -	- - - - -	- - - - -	CACCACTGAATTACAC-	- - - -	CTTTGTGACTCTGACAGTGTCC-	- - - ACGT	59491	
Lion	- - - - -	- - - - -	- - - - -	CATAGCTCAATTATAC-	- - - -	CTTCATGACTGTGACA- TGCCC-	- - - ACGT	56544	
Vaquita	GACAGACTCTAGGTCTATCCATCTCATTACAAATATCTCAATTTCAATTT-	- - - -	CTTTTAAAGGCTGAGTAATATT-	- - - CCAT	52542				
Pig	- - - - -	- - - - -	- - - - -	CATAGCTCAGTTGCACC-	- - - -	TTTGTGATTCTGACAGA	ACTC-	- - - ACAT	49280

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Majority	GACTCT- - - - - TCTAGC- TCAGATCTXTTCTAAGAGACCCAGXCTAGGAACTTAGTGGACCAT- TAGGCACCTT								
	75370	75380	75390	75400	75410	75420	75430	75440	
Human	CACATT- - - - - TTCTAGC- TCAGACCTCTCCTAAGAGACCCACACTAAGAACCTGGCGGACTAA- TGAATATCTT								59740
PolarBear	GACTCT- - - - - CTAGCATCAGATCCTTTCTAAGAGACCCAGGCTAGGAACTTAGTGGACCAT- CAGGCACTTT								21803
Cow	AACTTT- - - - - ATTTCTAGG- TCACACATCTTCTGAGAGACCCAGGCTAGGA- - - - - CGGT- GGAGCACCTT								55720
Dog	GATTCT- - - - - CTAGTGTTATATCCT- - - - AAGAGACTCAGACTAGGAACTTAGTGAACCAT- TAGGCACCTT								52212
BelugaWhale	-----								51504
Donkey	GTTTCCA- - - - - AATATTGGGTTTGAAT- - TAA- TGAGTCACTTTAGCTAACAAATTTATAGGTCAAATTATTATTTT								57173
Cat	GGCTCTT- - - - - TCTAGC- TCAGATCTCTTCTGAGAGACCCAGACTAGGAACTTAGTGGACCAT- TAAGCACCTT								59158
Ferret	GACTCT- - - - - CTAGCATCAGATCCTTTCTAAGAGACCCAGACTAGGAAATTAATGGACCAT- CAGGAACCTT								59558
Lion	GGCTCTT- - - - - TCTAGC- TCAGATCTCTTCTGAGAGACCCAGAGTAGGAACTTAGTGGACCAT- TAGGCACCTT								56612
Vaquita	TGTGTATATGTGCCACATCTTCT- TTATCCATTCTGTCGATGATGGGCGCTTAGGTTCTTTCCATCTCC- GGGCTATTGT								52620
Pig	GACTC- - - - - TTCTAGC- TCAGACCCCTTCTAGGAGACCCAGGGTAGGAACCCTGTGGACTGT- GGGGCACTCG								49347

Majority	- - - CAGACTTAGTGTGTTCAXTTCACTCC- TGTCACX- - - - - TAC- - - - -								
	75450	75460	75470	75480	75490	75500	75510	75520	
Human	- - - CAAAC- - AGTGTGTTCAATCTAGCTCC- TGTTTTTGGTGTCCGCTGTGTTAG- GAAAGTGCAAG- - - ATACCAACTT								59810
PolarBear	- - - CAGACTTAGTGTGTTCACTTCAACTCC- TGTAACT- - - - - TA- - - - -								21839
Cow	- - - CAGACTTAGTGTGTTCAATTAAGCTCC- TGTCACCCCGCCACCACCACCAAAAATAC- - - - - TAAAATCT								55788
Dog	- - - CAAACTTCGTGTGTT- - - - - CAACTCC- TGTCACT- - - - - TAC- - - - -								52244
BelugaWhale	-----								51504
Donkey	TTTTTAATTATTTTTTTTTGAGGAAGAT- - - - TAACCCT- - - - - GAACTAA- - - - -								57215
Cat	- - - CAGACTTAGTGTGATCAGTTCAGCTCC- TGTCACC- - - - - TAC- - - - -								59195
Ferret	- - - CCAAATTAGTGTGTTTAGTTTAACTCC- TGTAACT- - - - - TAA- - - - -								59595
Lion	- - - CAGACTTAGTGTGATCAGTTCAGCTCC- TGTCACC- - - - - TAC- - - - -								56649
Vaquita	AAATAGAGCTGCAATGAACATTTTGGTACATGACTCTTTTTGAATTTTGGTTTTCTCAGGGTATATGCCAGTAGTGGGA								52700
Pig	AA- CAGACTCAGCATGTTCAAGTAAACTC- - TCTTACCCCTGCCACCACCCTCCCCAAAGATACA- - - - - TATAAAA								49417

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Majority	XCCCCCXXCCTX- - A- TT- XTGTCAAAXAAATCCT- - X- GCCTCTATCTCTC- - - X- - - - - ACTGTGGTATTAACTX								
	75690	75700	75710	75720	75730	75740	75750	75760	
Human	GTCTCTCAAGGTAGTAGTGTGTGTCAAACGAAATCAGCATACTTCTAGCAACAGTATGC- - - - - TTAATGTCAATATTG	60045							
PolarBear	- CCCC- - - - - CCACAAAAAAATCCT- - - - - TGCCCAT- - - - - CTGTGGTGCTCACTG	21890							
Cow	ATTTTAGATCCTA- - AGTTTTTGTTC- GTCTATCCTTTT- GCCTCCAACCTTTAATTGTCGTCAGTGCAGCCTAAGCTA	55988							
Dog	- CCCCACCA- - - - - CCCCAAAACAAATCCT- - - - - GCCTC- AC- - - - - CTGTGGTGTTCCCAG	52307							
BelugaWhale	ATAAGCTGTCTTT- - ATTTGCTGTTTATACTTATTATCCT- GTTCTTATTTCTCTACTTAGAGTAATTTGGTTTCAGCCC	51583							
Donkey	AAGACTGGCCCTG- - AGCTAACGTCTGTGCCATCTTTCTCTACTTTATATGTGGGACGCC- - TACCTCAGCATGGCTTG	57324							
Cat	- CCCCCCCCC- - - - - AAAAAAAAAAACCA- - - - - AACCTTCCTCAC- - - - - CTGTGTCAGTAAAAA	59267							
Ferret	- CCTCGTCCTTC- - - - - CCCCCAAAAAACCT- - - - - GCCTCTGTGTTGTT- - - - - CACTGTGGTAGTAAGTC	59674							
Lion	- CCCCCCCCCCCC- - CCCCCAAAAAAACCA- - - - - AACCTTCCTCAC- - - - - CTGTGTCAGTAAAAA	56731							
Vaquita	ATAAGCTGTCTTT- - ATTTGCTGTTTATACTTATTATCCT- CTTCTTATTTCTCTACTTAGAGTAATTTGGTTTCAGCCC	52935							
Pig	AGTCTAGATCCTA- - AATTTCTATTGA- ATCTATCCTTTT- GTCTTCAACTCTC- - TTGCCATCACTGTAGTTTAAGTTA	49608							

Majority	GC- - - - TCAAGGTACCXA- ATTTTCATGTC- - - AXTAACAAGCCAGAA- - - - X- AACATGCAT- - - XX- - - - X- X-								
	75770	75780	75790	75800	75810	75820	75830	75840	
Human	GCATAAATTTTGACACAGACTTCTTATATTCATGCAGAGTAGCCTGGGCTTCTGGACCGTCAATCATAATTTAAGTAGCA	60125							
PolarBear	T- - - - - GTACCAA- ATTGGACATC- - - AGTAACAAGCCAGAA- - - - - AACATGGCT- - - - -	21932							
Cow	GTGTTTTTCAAAGTGCTAGTCTCCAATGCT- - - ATAAG- AAGCTTGTG- - - - - CCAACATTCAA- - - - - ATT- - - - - AGCT	56050							
Dog	G- - - - - GTACCAA- ATTCTATGTC- - - AGTAACAAGCCAGAA- - - - - AACATGACTT- - - - -	52350							
BelugaWhale	CTATTTATCCATATTTTTCTCCCTCGTGTC- - - ACCAGTGATCACTAGAGTAGCTAAATCTCAACAGAATT- - - - - ACTC	51655							
Donkey	CCAAGCGGTGCCGTGTCCGCACTGGGGATCCAAACTGGCGAACCTGG- GCCACCAAAGCGGAAC- - - - - ATG	57391							
Cat	GC- - - - - TCAGGGTATCGA- ATTCCATGTC- - - AGTAACAAGCCAGAA- - - - - AACATGTCT- - - - -	59315							
Ferret	TC- - - - - AGGGTACCAA- ATTTACATC- - - AGTAACAAGCCAGAA- - - - - AACACTTTTATT- CCA- - - - - TTTG	59730							
Lion	GC- - - - - TCAGGGTATCGA- ATTCCATGTC- - - AGTAACAAGCCAGAA- - - - - AACATGTCT- - - - -	56779							
Vaquita	CTGTTTATCCATATTTTTCTCCCTCGTGTC- - - ACCAGTGATCACTAGAGTAGCTAAATCTCAACAGAATT- - - - - ATTC	53007							
Pig	GT- - - - - CAAATTTCTGGTATCTGAGGCT- - - ACAAG- GAGCTTGTA- - - - - CAAAACACAA- - - - - ATC- - - - - AGCA	49664							

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Majority	----- XCTAGT--CTAAA----- CCAXGTGTTXTTCAAAGTG----- CTGGTCTCTGATTXTACCAGGAGCTTTT								
	76010	76020	76030	76040	76050	76060	76070	76080	
Human	ACTTTTTTGT	CCTTGCAATAAAGT	CCACAG-	TCCTTATCATGGCTTA-	---	TAAGACTCTAAATCAGT	CCTCAGCTTGC		60359
PolarBear	----	TCTAGT--CTAAG-	-----	CCAGGTGTCACTCAAAGTG-	-----	CTGGTCTCTGATGTTACCAGGAGCTTTT			22090
Cow	GCCTTCTAGT--	CTAAATCCACCACTGTGAG-	TTTTAAGAATGATCTCAACTTAAAGTCATATTTCTTCCTTTCTCTGTA						56284
Dog	----	TCTAGT--CTAAG-	-----	CCAGGTGTTCTTCAAAGTG-	-----	CTAGTCTCTGATGTTACCAGGAGCTTTT			52506
BelugaWhale	GGACCTCAGCTGTTACACACAGCTCAATTACACCTTTGTGATTCTGACTACTCACATCACTTTTTCTAGCTCAGACCTCT								51890
Donkey	-CTATATGATCCCTTGG-	-----	TTATATGATATTT-	CAGTGA-	-----	AATATTTATTTTTTTTCCCCCAGCTCTTT			57589
Cat	----	CCTCGT--CTAAA-	-----	CCAGGTGTTATTCAAAGTG-	-----	CTGGTCTCTGATGGTACCAGGAGCGTTT			59470
Ferret	----	CCTGGT--CTAAG-	-----	CCACGTGTTACTCAGAGTG-	-----	CTGGTCTCTGATGTTACCAGGAGCTTTT			59887
Lion	----	CTTCGT--CTAAA-	-----	CCAGGTGTTATTCAAAGTG-	-----	CTGGTCTCTGATGGTACCAGGAGCGTTT			56934
Vaquita	GGACCTCAGCTGTTACACACAGCTCAATTACACCTTTGTGATTCTGACTACTCACATCACTTTTTCTAGCTCAGACGTCT								53242
Pig	--CTGCCAGC--CT--A----	CACCACGGC-	TCGTAGCAATG-	CCGATTCTTAGCCGGGATTGAACCTGTGTTCTCA					49862

Majority	GCCAAAATA--CAAGTTAGCATCCTTCTAGCTATAATGTGXTTAX----TGA-XATGTTGATAT-AXATTCTGACACA-A								
	76090	76100	76110	76120	76130	76140	76150	76160	
Human	CTCTCCATT-	CTCCTCTCATGCCTTTTTAGCTATATTGGACTTCTTTAAATAGCTTGCATATACTGTATTTTCTCTGA-							60436
PolarBear	GCCAAGATA--	CAAGTCAGCATGCTTCTAGCTATAATGTGTG-	-----	ATTATTGATAC-	AGATTCTGACATAGA				22156
Cow	CCCTTCAATGACTGATTTGTGTCTTGGTATAAAAATGCTCTTTC-	---	TTAACATACTTATAT-	AAAACCTTAAATCT					56360
Dog	GCCAAAATA--	CAAGTCTGCATGCTTCTAGCTATGATGTGTTTAG-	---	TGT-	GATATTGATAT-	ATATGCTGACATAGA			52578
BelugaWhale	TCTAAGAGACCCAGATTAGGAACCCATGGACCATGGCGCACCTTCAAACCTTAGCGTGTTCAATT-	AACTCCTGTCACCAC							51969
Donkey	TGAGATATAATTGACATATAAATATTGTGTAAGTTTAGGTGCACAA-	----	CC--	TGTTGATTTGATACACTTATATA-	T				57660
Cat	GCCAAAATA--	CAAGTCAGCATACTTCTAG-	--	TAGTGTGTTTAG-	---	TGC-	GCTGTTAATAC-	AGATTCTGACACA-	59537
Ferret	GCCAAAATA--	CAAGTCAACATACTTCTAGCTATAATGTGTTTAG-	---	TGT-	GATATTGATAC-	AGATTCTGACATAGA			59959
Lion	GCCAAAATA--	CAAGTCAGCATACTTCTAG-	--	TAGTGTGTTTAG-	---	TGC-	GCTGTTAATAC-	AGATTCTGACACA-	57001
Vaquita	TCTAAGAGACCCAGATTAGGAACCCATGGACCATGGCGCACCTTCAAACCTTAGCGTGTTCAATT-	AACTCCTGTCACCAC							53321
Pig	TGGACACTAGTCAGATTCGTTTCCGCTGAGCCACAATGGGAACTC-	---	CTGA-	--	TGTTGATAT-	AAATTCTGACGCAA			49935

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Majority	CTCCTXA- - TTCATGCAGATTG- - XTTTGGGCTGCTA- - - - -								
	76170	76180	76190	76200	76210	76220	76230	76240	
Human	TGTCTCG-	ATCTTACAGATTGCTGTTCCATTTGCTAATACTATTTTTTCTCTTCATCTCTTTATGCCCAACTTCTGCTT							60514
PolarBear	TTCCTTACCTTCATGCAGATAG-	GTTTGGGCTGATA-							22191
Cow	TGCCTCT- -	CCAGTCTCATCT-	TACACCTCTGTAA-	CCATATTGGGCTTTTTTTTTTTTTTTTATGATTTTTATTG					56432
Dog	CTCCTTATCTTCATGCGGATAG-	GTTTGGGCTGCTA-							52613
BelugaWhale	CACCCCC-	ACCACCAAAAATA-	CGAAAGCCTGTATTTTCTGTATCAATAAAGGTCAAGGTACTATGAATCTTAAGAAA						52046
Donkey	TGCAAAATGATTATCACCATAGC-	ATGTGTGCTGCCG-							57696
Cat	CTCCTT- - -	TTCATGCAGAGTG-	ATTTGGACAGCTA-						59569
Ferret	CTCCTTATCTTTAGCCAGATAG-	GTTTCGGCTGCTA-							59994
Lion	CTCCTT- - -	TTCATGCAGAGTG-	ATTTGGACAGCTA-						57033
Vaquita	CACCCCC-	ACCACCAAAAATA-	CGAAAGCCTGTATTTTCTGTATCAATAAAGGTCAAGGTACTATGAATCT-	AAGAAA					53397
Pig	CTCCTCT- - -	TCATGCGGAGTG-	ACCTGGGCTGCTA-	GTGTATGAACAGTAGTACTGTTTCAAGCCATCCTCTCTT					50007

Majority	- - - - - X- - - - - GACCAXG- - - AATCAXX								
	76250	76260	76270	76280	76290	76300	76310	76320	
Human	CTCTTTGTCTTTCAAGTATCAGTTTAGAAGCCTCTTCCTGAGATAAGTCTTCTGTAACATTTCAACTAGATTAGATCCCT								60594
PolarBear	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	GTCCATG-	AATCA-	22203
Cow	TGGTAAAAGTCACG-	- - - - -	TAAAAATACTATTTTAACCATATTTAACTGCACAGTTC-	AGTGGC-	ACTAAGC				56498
Dog	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	GTTTCATG-	AATCA-	52625
BelugaWhale	CAAGCCAGAAAACG-	- - - - -	TTGAATCTTCCTTTATTCCTCTTCCTTTCAGCTTATCACCAAATAGT-	ACTCATT					52114
Donkey	- - - - - AAG-	- - - - -	A-	- - - - -	GT-	- - - - -	AAACAAG-	AATGGTT	57716
Cat	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	GTCCAAG-	AATCC-	59581
Ferret	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	GGCCATG-	AATCACA	60008
Lion	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	GTCCAAG-	AATCC-	57045
Vaquita	CAAGCCAGAAAACG-	- - - - -	TTGAATCTTCCTTTATTCCTCTTCCTTTCAGCTTATCACCAAATAGT-	ACTCATT					53465
Pig	AAATCTGTGCTTCA-	- - - - -	T-	- - - - -	TGGCTTTCTGACTAAACTCA-	CCACTTTGAAT-	ATTAAG-	AATGATC	50066

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Majority	XCXT- CCGTAAAGCTCT- - - - AATTTATCCCATCATC- - - - TCTTAAATTCCTTACXTTAT- - - - - TGG- - - - -								
	76330	76340	76350	76360	76370	76380	76390	76400	
Human	TCCTTTCTTAGTTCTCAGTATCACACATAAAATTTATAATT- TGTAAATGTGTATATTTTCTGTCGGACTGTAAGTTCT								60673
PolarBear	GTTT- GAGTAAAGCACT- - - - GATTTAAGCCATCATC- - - - TCTTAAATCCTTACTTCAT- - - - - TGG- - - - -								22257
Cow	ACATT- CATATTGTTGTGC- - AACTTTCCACCATCATCCATG- TCTGAATTTTCCACCTTCC- - - TAAACTGA- AACTCT								56569
Dog	GCTT- GAGTAAAGCCCT- - - - AATACAAGCCATCATC- - - - TTTTAAATCCTTATTTCAA- - - - - TGG- - - - -								52679
BelugaWhale	CTAGACCCTAAATTTCTGTTGAATCTATCCTTTTGTCTCCA- ACTCTTTTGCATCACCATAGTCTAAGCTAGTGTCTATT								52193
Donkey	TATTCTCATAAGTGTCC- - TAATTCTTTTGCATTCTCCTTTCTTTTTATTTCATCACTGTGC- - - - - T- - - - -								57776
Cat	- - - - - CAGAAGGCCTCT- - - - GACTCACCTCACCA- - - - - CTTTGAGTTCTTCCCCTA- - - - -								59625
Ferret	GCTT- GAGTAAAGCACC- - - - AATCCAAGCCATCATC- - - - TCTTAAATCCTTACTTCAG- - - - - TGG- - - - -								60062
Lion	- - - - - CAGAAGGCCTCT- - - - GACTCACCTCACCA- - - - - CTTTGAGTTCTTCCCCTA- - - - -								57089
Vaquita	CTAGACCCTAAATTTCTGTTGAATCTATCCTTTTATCTCCA- ACTCTTTGCCATCACCATAGTCTAAGCTAGTGTCTATT								53544
Pig	TCAA- - CTAAAGTTGT- - - - A- TTTCTTCCTTTCTTCCTT- TCTCAGTGCCCTTCAGTGAA- - - TGCTTTGG- GTTTTT								50134

Majority	- - - - - CTTTTCACT- - - - - CXAXTCATAX- - - - -								
	76410	76420	76430	76440	76450	76460	76470	76480	
Human	GAGTACCATGTCTGCTTTGCTTTCTGCTGTATTTATTAACATTGACATTCAGGGTGAAAATCAGAAGTCATAGTAACAA								60753
PolarBear	- - - - - C- - - - - CTTCTGACT- - - - - CAGTTCAC- - - - -								22275
Cow	GTCTCTATTAACA- CTAACTCCCCAGTTCCCCTCCCCAACTTCCACTCCAGTCC- - - - CCTGGCATCTACCA- - - GTG								56641
Dog	- - - - - T- - - - - CTTCTGACT- - - - - CCGCTCACAA- C- - - -								52700
BelugaWhale	CAAAGTGCTAGTCT- TAGATGCTACAAGGCACTTGTGCAAAAATACAAATCAGCAT- - - - ACTTCTAGCTATAGTTTGT								52268
Donkey	- - - - - CTGTTA- - - - - TATTCAT- - - - -								57790
Cat	- - - - - CACTTAT- - - - -								59632
Ferret	- - - - - C- - - - - CTTCTCACT- - - - - CAGCTCACAA- C- - - -								60083
Lion	- - - - - CACTTAT- - - - -								57096
Vaquita	CAAAGTGCTAGTTT- TAGATGCTACAAGGCACTTGTGCAAAAATACAAATCAGCAT- - - - ACTTCTAGCTATAGTTTGTG								53619
Pig	TTGTTTGTT- - - TG- TTTGCTTTTTTGGT- - CTTTTTTCAGGGCCCACCCATGGCAT- - - - ATGAAAATTCCCAG- - - GTC								50201

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Majority	----- TTXXXTCTX----- X----- TTXTXCCACAX----- X- X- T-----								
	76490	76500	76510	76520	76530	76540	76550	76560	
Human	TCTTAATTATCAATAAAAAGTATTTTATGCGATCCTCATATTTATTAAGAAAACACCTTAATACCTTTCAGAAAATCTT								60833
PolarBear	----- CTA-----				TTTTCCAC-----				22287
Cow	TACTTTCTGACTATGAATTGGAGTATTCTAG--			GTATCTCATAAATGGAATCAAACAGTATTTGTCTGCATCTAATGTG				56718	
Dog	---- TTTTACTTC-----			TTAGCCACAC-----			CTGTTT-----	T	52727
BelugaWhale	TAGTGTCAAGTGTGATAATAAATTTGGACACAAAGTTCTCTTCATGCAGAGTGACTTGGGTTGCTAGTCCATGAACCACA								52348
Donkey	---- TTTCATCTACCAG- T-----	A- CAG- --		TTTTTTCAAAC-----					57819
Cat	----- TT-----			TTCTCC-----					59641
Ferret	---- TTTGACTTC-----			TTCCCCACTC-----			CTGTTT-----	T	60110
Lion	----- TT-----			TTCTCC-----					57105
Vaquita	TAGTGTCAAGTGTGATAATAAATTTGGACACAAAGTTCTCTTCATGCAGAGTGACTTGGGTTGCTAGTCCATGAACCACA								53699
Pig	AGGGGTCAGATTG- GAGCTACAGCTGCTCGC--			CTATGCCACAG- CAATGCCAGATCCAAGCTATGT- CAGCGAATG- A					50274

Majority	----- TTC- --- A- XAGAGTACTAAG- TA----- X----- TGATC----- T--									
	76570	76580	76590	76600	76610	76620	76630	76640		
Human	GTTTATTTATTGAAAGTAGTGTATTAGGCAAAGATGCGTCTTCTCTTGGCTTTCTAATTCAGCTTTTATAATGTTGAGG								60913	
PolarBear	-----	AGAGTACTAA--	A-----		TGATC-----				T--	22304
Cow	TATTGAACTTC- ---	TTTAAATTCTTGTG- TATGCTGTGTATTCTCTGATCTCATGGGCTTACAACCTTGCTATATT- CTA								56792
Dog	----- TTC- ---	CACAGAATACTAAG- AA-----			TGATC-----				T--	52752
BelugaWhale	GTTTGAGTAGC- ---	ACTGATGTAAGCCA- TCATCTCTTAAATCTGTGTTTCATTGGTCTTCTGACAAAACCTCACCCTT								52423
Donkey	----- TAT- ---	AAAGCAATGTTGAG- GTCTTTGTCA- ----			CTGTTATATT-----				T-----	57857
Cat	-----	GAGCACTAAG- GA-----			TGAT-----				T--	59658
Ferret	----- TCC- ---	AGAGTACTAAG- AA-----			TGATC-----				T--	60132
Lion	-----	GAGCACTAAG- GA-----			TGAT-----				T--	57122
Vaquita	GTTTGAGTAGC- ---	ACTGATCTAAGCCA- TCATCTCTTAAATCTGTGTTTCATTGGTCTTCTGACAAAACCTCACCCTT								53774
Pig	CACCACACCTC- ---	ACGGCAATGCTGGA- TA- - C- - TTAACCCACTGAGC- ---			AAGGTCAGGGATTG- ---				ACC- CTC	50336

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Majority	-----X-----CAACTTAAAGTCXTATAACTT-----CCATTCTCA-GTGCCCTTCAGTG--ACTGACTTTTGTCTT								
	76650	76660	76670	76680	76690	76700	76710	76720	
Human	AATATAATTACTTGATGCATAAAAATATCAATCTTTTTAATAGTATAATAAGACATATAATGTAATCTCCTTTTACCTG								60993
PolarBear	-----CAACTTAAAGTCCTATAACTT-----C-ATTCTCA-GTGCCCTTCAGTG--ACTGACTTTTGTCTT								22362
Cow	TGTGCTAAAATACTTTTCTCAAGACTATACTTTGAGGGATCATTCTA-TAGTTCATTACTG--GA-GAAGTTTCTCTGA								56868
Dog	-----CAACTTAAAGTTCTGTAAGTT-----C-ATTCTCA-GTGCCCTTCAGTG--ACT-----TTTTCTT								52805
BelugaWhale	TGAGTTTTAAGAATGATCTCAAAGTCATATATCTT-----CCTTTCTCA-GTGCCCTTCAGTG--ACTGATTTTTGTTCTA								52496
Donkey	-----AACAAATTATTTGGCTTTATATAGATTTTC-TGACCCAG-GTAAGGTAGAAAG--A--AATTATTTCTT								57921
Cat	-----CAACATAAAGTCCTATTACTT-----CCATTCTCA-GTGCCCTTCAGTG--ACT-----TTTGTCTT								59713
Ferret	-----CAACTTAAAGTCCTATAACTT-----CCATTCTCA-GTGCCCTTCAGTG--ACTGACTTTTGTCTT								60191
Lion	-----CAACATAAAGTCCTATTACTT-----CCATTCTCA-GTGCCCTTCAGTG--ACTGGCTTTTGTCTT								57181
Vaquita	TGAGTTTTAAGAATGATCTCAAAGTCATATATCTT-----CCTTTCCA-GTGCCCTTCAGTG--ACTGATTTTTGTCTA								53847
Pig	TGTCTGAGGGATACTAGTCGGGTTTCGTTAACCACTGAGCCACGACGG-GAACTCCCT-----GATTTTTGTCTT								50406

Majority	A-GTATAAAGTCCTCA-XTCCTTAA--CATGGCTTACAAAAC-----TCTAAATCTATCCTC-----X--AGTX-TTGT								
	76730	76740	76750	76760	76770	76780	76790	76800	
Human	GGATTTAAAATTGTTTTACATAGTCCTTACATTATAACACACATAAGTAGGAAATGGTTCTT-----TTTGGTTTTTGT								61069
PolarBear	A-GTATAAAGTCCTCA-GTCCTTAA--CATGGCTTACAAAAC-----TCTTAATCAATCCTC-----AGC--TTGT								22422
Cow	ACGTGTAGAGCACCCG-AAACCACG--AGGAGGAGATAAAGCGTTCTTCTGAGTGTGAAGTCGGCTTTTGGTG-TTGC								56944
Dog	A-GTATAAAGTCCTTA-CTCCTTAA--CAAGGCTTGCAAAAAC-----TCTTCATCTATCCTC-----AGC--TTGT								52865
BelugaWhale	A-ATATAAAATCCTCC-TTCCTTAA--CATAGCTTATAAAAAC-----TAAATCTTGCCTC---TCCAGTA-TCAT								52558
Donkey	ATCAGTGAATCTGTCATAGTAATAA--TAGGAAAGGCATAAGAATAA---TAAAGGCAGTCTTAAA-AGGAACATTTAA								57994
Cat	A-GTATAAACTTCTCA-GCCCTTAA--CATGGCTTACAGAAC-----TTTAAAGCAATCCTC-----AGTGTTTGT								59775
Ferret	A-GTATAAAGTGCT--GTCCTTAA--CGTGGCTTACAAAAT-----T--TAATCAGTCCAC-----AGC--TTTT								60247
Lion	A-GTGTAAACTTCTCA-GTCCTTAA--CATGGCTTACAGAAC-----TCTAAAGCAATCCTC-----AGTGTTTGT								57243
Vaquita	A-ATATAAAATCCTCC-TTCCTTAA--CATAGCTTATAAAAAC-----TAAATCTTGCCTC---TCCAGTA-TCAT								53909
Pig	A-GTGTAAAGTCCTCC-TTCCTCAA--CAAAGCTGACAAAAC-----CCCAAGTCTTGACTC---TCCAGTC-TCAT								50470

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Majority	CTT- - - - - ACCTTTTACTAT- - - - ATTGGACTTTTTAXAAXXTAGXXTATTTTTTXXG- - - - - TATTTTCTCT								
	76810	76820	76830	76840	76850	76860	76870	76880	
Human	TATTAGAAACAGCTTTTCAGAAACATGTCTTTATTAGGAATATCTTTAGTTGACACTGGACAGTATATTGTGTCTTCTGG								61149
PolarBear	CTC- - - - - GCCTTTTACT- - - - - GACTTTTTA- - AAA- TAGCTTGCAAATGCTG- - - - - TATTTTCTCT								22473
Cow	TTCTGCAGCTGCCATTAGCCATTGATGATCGTTCTTCTTTTCTTTTAGGAGATGAAGAGGGAAAGA- - ACGTAATCTGA								57022
Dog	CTC- - - - - ACCTTTTACTAT- - - - ATTGGACTTTTTA- - AAA- TAGATTGCATGTGCTG- - - - - TTTTTTCTCT								52922
BelugaWhale	CTT- - - - - CCACCTTTAACCAT- - - - ATTGGACTTCTTTAAATGCTTGCATATTCTA- - - - - TATATTCTCT								52616
Donkey	CAT- - - - - ATGATTTAGTTG- - - - ACAGATTTCTGAAAATACTGTATTTCTTCAATTCTCTAG- - GTATTTTTTTT								58060
Cat	CTT- - - - - TCCAATCTCATC- - - - TCTCCTCTTTTAACTAAATTGGAATTTTTTTAAAG- - - - - TTTTTCCTTT								59835
Ferret	CTT- - - - - GCCTTTTACTAT- - - - ATTGGACTTTTTA- - AAAATAGCTTTCATGTGCAG- - - - - CATTTTCTCT								60305
Lion	CTT- - - - - TCCAATCTCATC- - - - TCTCTTCTTTTAACTAAATTGGAATTTTTTTAAAG- - - - - TTTTTCATTT								57303
Vaquita	CTT- - - - - CCACCTTTAACCAT- - - - ATTGGACTTCTTTAAATGCTTGCATATTCTA- - - - - TATATTCTCT								53967
Pig	CTC- - - - - CTACCTCTAAGTAT- - - - ATCAAACCTTATGTTTGTGCTTGTGTATGCTG- - - - - TATTTTCTCA								50528

Majority	GATTT- - CTTAGXCTTA- CAXCTTGATGTTCCATTTGCTTA- - TTCTTTTCTCTTCGTCTATTTATGCCCAAATCTTTCC								
	76890	76900	76910	76920	76930	76940	76950	76960	
Human	AAGTCCTGTTTATATGATCATTTTATTTTAAACATATAAGTGGGTTGTTTCTTATTC- TTTATTTCTTCCAGGAGATTCCA								61228
PolarBear	GATTT- - CTCAGGCTTC- CAGCTTGATGTTCCATTTGCTTCTATTCTTTTTCTTTGTCTTTTTATGTCC- AGCTCTTCC								22549
Cow	GTGGA- - AAAAAAAAAA- TAAATAAA- - - - - A- - TACTTTTCTCTTCATCTCTTTATGACCAACTCATTTT								57083
Dog	AATTT- - CTCAGACTTA- CAGCCTCATGTTCCATTTGCTTC- - TGCTTTCTCTTTGGTTTTTTATCTCC- AACTTTT- -								52993
BelugaWhale	GATCT- - CATGGGCTTA- CAACTTGCTGTTCTGTTTGCTAA- - AACTGTTCTCTCCATCTCTTTATGCCCAAATCCTACC								52691
Donkey	GCATT- - TTAAAATCTCAGAAATCAGGGTGTGTCTCACAGCAGTTCATCTGTCTGGTTTAAATTAGCAGT- - ATCTTCTT								58136
Cat	TATTTATTTTATAGAGAGAGTGCAGTGGTGGGGAGTGGGACAGAGGAGGAGGAG- - - - - GAGGAGACAGAGAATCCT								59906
Ferret	GATTT- - CTCAGGCTTAACAGCTGGATGTTCCATTTGCTTCTACTGCTTTCTCTTTGTCTTTTTATGTCCCAACTTTTCC								60383
Lion	TATTTATTTTATAGAGAGAGTGCAGTGGTGGGAAAGTGGGACAGAGGAGGAGGAGAAGGAGGAGGAGGAGACAGAGAATCCT								57383
Vaquita	GATCT- - CATGGGCTTA- TAACTTGCTGTTCTGTTTGCTAA- - AACTGTTCTCTCCATCCCTTTATGCCCAAATCCTACC								54042
Pig	GATCT- - CATAAGCTCA- CAGCTTG- - - - - CTCTTTTACTTGCTAAAATTTTTTCTTAGCTC- TTTA								50586

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Majority	TGTC- - - TTT CAGGTTT- - - - - - AAXTCACATCTC- AGAGAGGT- - - - CTTCCATAAXCTTTCAAC- - - TAXATTAX	
	76970 76980 76990 77000 77010 77020 77030 77040	
Human	TTTCATCACTAACTGATAAT- - - - AAAAATAAATATGAGATAAAACATTTGCAGCAGTAAGATTATGTCATTTCATTTTCCT	61304
PolarBear	TGTCTTCTTTTCAGGTTT- - - - - - G- - - CAAGTCTC- AGAGAGGT- - - - CTTCCATAAAGTTCCAAC- - - TACATTAT	22609
Cow	TGTC- - - TTT CAGGTTTTCAGTTT AGAAATCTCTTCTCCAGAGAGGT- - - - CTTCTATAACCTTTCAAC- - - TAGATTTG	57152
Dog	- GTC- - - TTTGAGGTTT- - - - - - A- - - CACATCTC- AGAGAGGT- - - - CTC- GTAAACTTCTAAC- - - TACATCAT	53048
BelugaWhale	TCTC- - - TTTCAAGTATCAGTTT AGAAGTCTCTTCTC- AGAGAGGT- - - - CTTTCATAACCTTTCAAC- - - TAGATTGG	52759
Donkey	AGTCATACATGAAAAATCATACTGCATTTTGTAAATTT- - ATGGTGTA- - - TTCCTGAAAATTTTGTGCCTTTGTACCAA	58210
Cat	AAGCAGGCTCCATGCTC- - - - - - AGCACAGAGCTC- AACACGGGACTCATTTCCACAACCCTGGGAT- - - CATGACCC	59974
Ferret	TGTC- - - TTT CAGGTTT- - - - - - G- - - CAGGTCTC- AGAGAGGT- - - - CTTCCATAAACTTCCATC- - - TACATTAT	60440
Lion	AAGCAGGCTCCATGCTC- - - - - - AGCACAGAGCTC- AACACGGGACTCATTTCCACAACCCTGGGAT- - - CATGACCC	57451
Vaquita	TCTC- - - TTTCAAGTATCAGTTT AGAAGTCTCTTCTC- AGAGAGGT- - - - CTTTTATAACCTTTCAAC- - - TAGATTGG	54110
Pig	TGCC- - - CCTCAGATTT- - - - - - GAAGTCTCTTCTT- - - - - AGAT- - - - CATCTGTAAACTTTGAAC- - - TAGATTAG	50643

Majority	ATCCC- - - - - - - - - - - - TTCCTTTC- - - TTAGTTCTC- - - ACXACC- - - ACACATCAAATTTATAATTATTTGTTAAAT- - -	
	77050 77060 77070 77080 77090 77100 77110 77120	
Human	TCTCACAGAGTACACATTGCTTTATGCAGATTCTTTGAGAGACCTA- ATGGAATTATCCTTTGCTAATTTCTTGGGCAA	61383
PolarBear	ATCCC- - - - - - - - - - - - TTC- - - - - - TTAGTTCTC- - - ACTACC- - - ACACATCAAATTTATAATTATTTGTTAGAT- - -	22662
Cow	ATCCC- - - - - - - - - - - - TTCTTTTC- - - TTAGTTCTC- - - ACCACC- - - ATGGATCAAATTTATGATTACTTATTAAGT- - -	57210
Dog	AGCCC- - - - - - - - - - - - TTCCTTTC- - - TTAGTTCTC- - - GCTACC- - - ACACATTAATTTATTT- - - ATAATTACTT- - -	53103
BelugaWhale	ATCCC- - - - - - - - - - - - TTCCTTTC- - - TTAGTTCTC- - - ATCACT- - - GCACATCAAATTTAAAATTACTTGTAAAGT- - -	52817
Donkey	AGTACAGTAGATCAATTTTCGGTTC- - TAAAGATTTT- - GGTGTC- - - AGAAGTTACACTAGTATGAAAAAAGACAT- - -	58280
Cat	AAGCTGAAATCAAGAGTTGGACAC- - TCAAGTAACTGAGCCACCCAGGCACCCCAACTATATTGGACTTTGTAAAATA- -	60050
Ferret	ATCTC- - - - - - - - - - - - TTCCTTTC- - - TTAGTTCTC- - - ACTACC- - - ACAAATCAAATTTGTA- - - TTTGTTAGAT- - -	60494
Lion	AAGCTGAAATCAAGAGTTGGACAC- - TCAAGTAACTGAGCCACCCAGGCACCCCAACTATATTGGACTTTGTAAAATA- -	57527
Vaquita	ATCCC- - - - - - - - - - - - TTCCTTTC- - - TTAGTTCTC- - - ATCACT- - - GCACATCAAATTTATAATTAGTTGTAAAGT- - -	54168
Pig	ATACC- - - - - - - - - - - - TTCCTTTC- - - TTAGTTCTC- - - ACTGCC- - - ACACATTACATTTATA- - TATTTGTTAAAT- - -	50699

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Majority	GTCTG-----								
	77130	77140	77150	77160	77170	77180	77190	77200	
Human	GATTCTCCTTGACATCTGCTTAATTTACAATCTGTATATTTTACATTTCATATTAATGGAGAATTTATGATGAAATCAGTG								61463
PolarBear	GTCTG-----								22667
Cow	GTCTGAATTCTGGAGGAAGAAATGGCAACCCACTCCAGTATTCTTGCCTGGGAAATCCCACGGACAGAAGACCTGCTGGG								57290
Dog	GTCTG-----								53108
BelugaWhale	GTCAG-----								52822
Donkey	GTATC----- C- - TGAATATTCCTCTATTAAGATCGTATT- -								58313
Cat	GCTTG-----								60055
Ferret	GTCTG-----								60499
Lion	GCTTG-----								57532
Vaquita	GTCTG-----								54173
Pig	ATAT-----								50703

Majority	----- TATTTTCTG- TTTTACT								
	77210	77220	77230	77240	77250	77260	77270	77280	
Human	GTTTTAGGATGCTTTAGGAAAATCCTGCATAATCTACCAGGGTGGGGTTATTTGATATTGGTAAATAATTAGTCTGAAGT								61543
PolarBear	----- TATTTTCTG- TTTTACT								22683
Cow	CTGTAGTCCATAGGGTTGCAAAAAGAGTTGGGCATGACTGAGCAACTAAACAAAAAAGTGTCTGTGTTATCTG- TTGGACT								57369
Dog	----- TATTTTTTG- TTTTACT								53124
BelugaWhale	----- TATTATCTG- TTGGACT								52838
Donkey	- - - - AG- - - - - AA- - - - - ATAATAAGGTTTA- - T								58331
Cat	----- CATATGCTGTATTTTCT								60072
Ferret	----- TATTTCCAGGTTTTACT								60516
Lion	----- CATATGCTATATTTTCT								57549
Vaquita	----- TATTATCTG- TTGGACT								54189
Pig	----- TTTTCCG- TTGGACT								50717

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Majority	X T A A G T T - - - - A T A T A A G A G T G G G T - - A T C T T G T C T G C T T T G T T - - - - C T C T G C T G T A T T X T T A G A A C C T A G C A C A - -								
	77290	77300	77310	77320	77330	77340	77350	77360	
Human	A T T A C A T T A G T A T T A T A A G C T T A A T T T T G T G T T G T T G A T T T T G A T A A T - - T T T T C A T G A C T T G C C A A A T A T T A A A A A G T A								61621
PolarBear	G T A A G T C - - - - A T G T A A G A G T G G G T - - A C C T T T T C T T C T T T G T T - - - - C T C T G C T G T A T T C T T A G A A C G T A G C A C A - -								22749
Cow	A T A A G C T - - - - G T A T A A G A G T G G T T - - G T C A T G T C T G C T T T G T T - - - - C T C T G C T G T G T T C T T A G A A C C T A A C A C A - -								57435
Dog	C T A A G T T - - - - A T G T A A G A G T G A G T - - A C C T T G T C T G C T T T G T T C T T T G C T C T G C T G T A T T C C T A G A A C A T A G T G C A - -								53195
BelugaWhale	A T A A G T T - - - - A T A T A T G A G T G G G T - - A T C A T G T C C A C T T T G T T - - - - C C C T G C T A C A T T T T T A G A A C C T A G C A C A - -								52904
Donkey	G G G A G T T C T T - - T T G G A T A A T C T A G T - - A A T C C G C T T G T T A A G - - - - - A T T T A C C G T G T T T C T T T T T A T G G A G T G - -								58398
Cat	C T G A T T T C T C A G G C T T A G A A C C T G A T - - G T T T C A T T T G C T T C T A C T G C T T T C T C T T T G T C T T T T T A T G T C - C A C C T C T - -								60147
Ferret	G T A A G T C - - - - A C A T A A A A G T G G G T - - A C C T T G T C T T T T T - - - - - C T C T G C T G T A T T C C T A G A A C A C A A C A C A - -								60579
Lion	C T G A T T T C T C A G G C T T A G A A C C T G A T - - G T T T C A T T T G C T T C T A C T G C T T T C T C T T T G T C T T T T T A T G T C - C A C C T C T - -								57624
Vaquita	G T A A G T T - - - - A T A T A T G A G T G G G T - - A T C A T G T C T A C T T T G T T - - - - C C C T G C T A C A T T T T T A G A A C C T A G C A C A - -								54255
Pig	C C A A G T T - - - - A T A T A A G A G T A G G T - - A T C A T G T C T G C T T T G T T - - - - C T C T G C T A T G T T C C T A G A A C C C G G C A C A - -								50783

Majority	- X T G T A T G G T A C A T T G T A G G T A T T A G A A C T T T C T C A A - - C A T G T C A C A A C T - - T T C C C A G C A T C T G X T G T G C T A C A G - A T								
	77370	77380	77390	77400	77410	77420	77430	77440	
Human	G A T A T T T A A A G A A T T T G G A A G T T A A G G T T T C T C T C A G T G T G T G T A A A T C T G A T C C C C A A C A A T C T C T T C A A A A A A G T A A								61701
PolarBear	- G T G T A T G G C A C A T T G T A G G T A T T A G A A C T T T C A T C G - - C A T G T C A C A A C T - - C T C C C A G C A T C T G T T G T G C T A C - - - - -								22819
Cow	- T T A T A - G A T A T - - - G A G G G C A T T - - - - - T T T T T C A A - - C A T G A C A C A A C T - - T A G C C G A C A G C T G G T G T G C T G T A G - A T								57500
Dog	- G T G T A T A G C A C - - - - - - - - - - T T A G A A C T T T C A T C C - - C G T G T C A C A A C T - - C T T C C A G C A T C T G C T C T G C T A C A G - A T								53259
BelugaWhale	- G T G T A T G G T G T A T T A C A G G T A T T A G G G C T T T T T C A A C C C A T G T C A C A A C T - - T T C C C A G C A C C T A G A G T G C T G T A G - A T								52980
Donkey	- A A T A A T G T T A C A T T G - A A G T T T T A T T G T T C T C T G A - - - - A A G T T T C T G T T - - T T C T G A T T A T A T G G A T - - C T A C C A - A A								58467
Cat	- A C C T G T C T T C C T C T T T C A G G T T T A G A A G T C T C - - - - - - - - - - T G A G A A G T - - C T T C C G T A A A C T T C C A - G C T A C A T - C A								60212
Ferret	- A T A T A T G G C A C A T T G T T G G T A T T A G A A C T T T C C T C T - - C A T G T C A C A A C T - - C T C C C A G C A T C T G C T A T G T T A C A A - A T								60653
Lion	- A C C T G T C T T C C T C T T T C A G G T T T A G A A G T C T C - - - - - - - - - - T G A G A A G T - - C T T C C G T A A A C T T C C A - G C T A C A T - C A								57689
Vaquita	- G T G T A T G G T G T A T T A C A G G T A T T A G G G C T T T T T C A A C C C A T G T C A C A A C T - - T T C C C A G C A T C T A G A G T G C T G T A G - A T								54331
Pig	- G T G T A T G G T G T A T T G T A G G T A T T G G A - C T T A C T C A A G C T G T G T C A C A A C T - - T T C C C A G C A T C T G G T T T G C T A T A G - A T								50858

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Majority	GTTTGGGAAGAGAATCTXAAGCCTACTTCTCCTTTTCTATTG- XTGATAGTT- - - CCATATGAATGAGAGA- TGAAAAAX								
	77610	77620	77630	77640	77650	77660	77670	77680	
Human	ATTTACATGAAAACTTTTTTTTCTGATTGTTTTGCTTACTGTCTAAACCTTCA- CTGTGAGTAGGCACATTTGGAAGGT								61940
PolarBear	GTTTAGAAAGAGAATCTCAAGCCTACC- - - - TCTCCTAGTG- ACAGTTGTT- - - CTATATGAATGGGAGA- TGAAAAAT								23021
Cow	GTTTGGGAAGAGAATTTCAAGCCTGCTTCTCTACTTCTATAG- - TGATAGTTGA- TCAGATGATTGAGAGAATGAAAAAA								57718
Dog	GTTTAGAAAGAGAATCTCAAGCCTACCTCTACTTTTCTAGTG- GCAATTGTT- - - CCAAATGAATGGAAGA- TGAAAAAT								53474
BelugaWhale	ATTTGGGAAGGGAATCGTAAGCCTGCTTCTCCACTTCTATAG- - TGATTGTTGT- TCAAATGAATGAGAGAATGACAAAA								53197
Donkey	GCTTGTGGCAGGTGCTCAAAAGTATTTATTGAGTGGGTGTTAAATTTTATTTAATCTATATGTGTTCTAGA- - AAAGAAC								58686
Cat	CACGGTGTATAGCACATTGTAGGTATTAGAACTTTCATACTGTGTCACAAC- - - CTCCTAGCACTTGTGG- GGAACATC								60427
Ferret	GTTTAGAAAGAGAATCTCAAGCCTACCGT- - CTCATCTTTTA- GTGACAGTT- - - CCATATGAGTGGGAGA- TGAAAAAT								60866
Lion	CACGGTGTATAGCATATTGTAGGTATTAGAACTTTCATACTGTGTCACAAC- - - CTCCTAGCACTTGCGG- AGAACATC								57904
Vaquita	ATTTGGGAAGGGAATCTTAAGCCTGCTTCTCCACTTCTATAG- - TGATTGTTGT- TCAAATGAATGAGAGAATGACAAAA								54548
Pig	GTTTGTGAAGGGAACCTCAAGCCTTCTCTCTGTTTCTGCAG- - TGATAGT- - - - TCATATGAATGAGAGAATGAAAAAA								51061

Majority	- X- - - - - ATCT- CTTAAGCXCTGGXAATT- - - CAGTT- - - - - AGCAGGCAXAGTGTACCTTTAGGTTTTG- - GXG								
	77690	77700	77710	77720	77730	77740	77750	77760	
Human	CTTTCTGCAAATTATCTTGAGCTTTTAAATGTCAGAAATCTTTGCTCCAACAAGATCACCACATTCCTGATTGCTGAACCA								62020
PolarBear	- - - - - ACAT- CTTAAGCACTGGA AATT- - - CAGTT- - - - - AGCCAGCAAAGTGTACCTTTAGGTTTTG- - CAG								23078
Cow	- T- - - - - ATCA- CCTATGCCTTGGGAATT- - - CATTT- - - - - AGCAGGCATAGTGTATCTTTAGGTTTGGAGGGG								57778
Dog	- - - - - A- - - - - - AGCACTGGGAATT- - - CAGTT- - - - - AGCCGACAAAATGTACCTTTACATTTTG- - GTA								53524
BelugaWhale	- T- - - - - ATTG- CTTACGCCCTGGGAATT- - - CATTT- - - - - AGCAGGCATAGTGTACCTTTAGGTTTGG- - GGG								53255
Donkey	AA- - - - - ATAG- TGTAACATGTAGCAAAGTAAAAGTGC- - - - - AAATACTGGATGTGTTTCTTAAGTGCTTA- - T- -								58748
Cat	- - - - - ACCT- GCTGTGCTACAGATCTCTTCCTGTTTTG- - - CAGTCATCCTTGTATATCTCAGTATACTA- - C- A								60490
Ferret	- - - - - ACAT- CTTAAGCACTTGG AATT- - - CAGTT- - - - - AGCTGGCAAAGTGTACCTTTAGGTTT- - - - -								60918
Lion	- - - - - ACCT- GCTGTGCTACAGATCTCTTCCTGTTTTG- - - CAGTCATCCTTGTATATCTCAGTATACTA- - C- A								57967
Vaquita	- T- - - - - ATTG- CTTACGCCCTGGGAATT- - - CATTT- - - - - AGCAGGCATAGTGTACCTTTAGGTTTGG- - GGG								54606
Pig	AT- - - - - ATCA- TTTATGCACTGAATATT- - - CATTT- - - - - AGCAGGCAAAAGTGTACCTTTAGGTTTTT- GGGG								51121

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Majority	- AAGAGAATTTATAGTXTTC- T- - - - - T TAAAGTATGGT- - - - - CCAGAGCCT- - - - - AAGXAGGXTXTTGT CATGT	
	77770 77780 77790 77800 77810 77820 77830 77840	
Human	CAGGACTGGTTTGTGTGCTACTGCTATTTCTTGGGATTTTGCAAATACATGAGCTTGAAGTGAGCTTGCATATATTTTTT	62100
PolarBear	- AAGAGAATTTATAGTGTTT- T- - - - - TCAAAGTATGGT- - - - - CCAGAGCCC- - - - - ACGTAGGTTCTTGT CATGT	23138
Cow	- AAGAGAACTTAGAGTGTTCTT- - - - - T TAAAGTATGGT- - - - - TCAGAACCT- - - - -	57820
Dog	- AAGAGAATTTATAGTGTC- T- - - - - TCAGAGTATGAT- - - - - CCAGAGCTC- - - - - ACCTAGGTTCTTGT CCTAT	53584
BelugaWhale	- AAGAGAA- TTATAGTATTC- T- - - - - T TAAAGTATGGT- - - - - CCAGAGCCCATTCTTATCAGACTGTGGTCCAGA	53319
Donkey	- CTTTCAATTTTCAGCGTGC- - - - - TCAAGCAGTTCT- - - - - TCAAGCTGT- - - - - GACAGCTGTCCAGACAG	58805
Cat	- AAGTGAATTGGTTCTAAAC- T- - - - - TTGTAGTTCAGTTG- - - - - CCACATTTTT- - - - - AAAAAAGTTTTTTTAATGT	60553
Ferret	- AAGAGAATTTATAGTTTTT- T- - - - - TCTGACTGTGGT- - - - - CTAGAGCCC- - - - - ACCTAGGTTCTTGT CATGT	60978
Lion	- AAATGAATTGGTTCTAAAC- T- - - - - TTGTAGTTCATTTG- - - - - CCACATTTTT- - - - - AAAAAAGTTTTTTTAATGT	58030
Vaquita	- AAGAGAA- TTATAGTATTC- T- - - - - T TAAAGTATGGT- - - - - CCAGAGCCCATTCTTATCAGACT- - GGTCCAGA	54668
Pig	- AAGAGAATTTATAGTA- - - - - T- - - - - T TAAAGTATGAT- - - - - CCAGAGCCTAT- - - - - CT- - - - -	51163

Majority	XAATTTCTTTTCATATAAXATTACXCATAAXAG- - - - - AATGGGACTCTTAGG- TATCCTGAACTAAG- AGTCAT	
	77850 77860 77870 77880 77890 77900 77910 77920	
Human	AAATTTGATTTTACTCCCTTTCTTATTTGTGGTCACCTCCTTTAACCAACTATTTAAAATACCTGGATTTTGTCTCAT	62180
PolarBear	AGATTGCTTGTGGAAAAAAAAAAAAAAAAA- - - - - AAAAGGACTCTTAGG- TATCCTGACCTAAGAAGTCAT	23206
Cow	- - - - - TCTTTTCATATAGATTGCTTATAAAA- - - - - AATGGGACTCTTAGGCTCCTCTGAGCTAAC- AGTTAT	57882
Dog	AGATTGCATCTATATATAGATATGCATATATACATATGCATCTAATGGGACTCTTAAGATATCCTGAACTAAGAAATCAT	53664
BelugaWhale	TACATTCTTATCATATAGATTGCTTACACAG- - - - - AATGGGACTCTTAGGCCATTCTGAACTAAC- AGTTCT	53386
Donkey	CAAATACTCCTCTTAGTGGCACCACAGTGAGT- - - - - GAGAGTGCAGTGACTCCA- - GCCCAGAGTCCAGTGCTTAG	58875
Cat	TTATTTATTTTT- - - - - GAGGAAGACAGAGTGT- - - - - GAGCAGGGGAGGTGCAGG- - - GAGAGAGCGAGAGACACAG	60618
Ferret	AGATTGCTTGT- - - - - AAAAAAACAAAAAAC- - - - - ATTGGGACTCTTCAG- TATCCTGAACTAAGAAATCAT	61042
Lion	TTATTTATTTTT- - - - - GAGGAAGACAGAGT- - - - - GAGCAGGGGAGGGGCAGG- - - GAGAGAGCGAGAGACACAG	58093
Vaquita	TACATTCTTATCATATAGATTGCTTACACAG- - - - - AATGGGACTCTTAGGCCATTCTGAACTAAC- AGTTCT	54735
Pig	- ACATTCTTATCATATAGATTGCTTATAAAA- - - - - AATGGGGCTCTTAGGCCATCCTGAACTAAC- AGTCTT	51229

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Majority	AATCTTTGGGGTTGGGAGCCCAGTACTCTGTTT- - - TTGAAAGCCCTGGGAATXAC- TGCCATGTAAAGGCAGCTTGAG									
	77930	77940	77950	77960	77970	77980	77990	78000		
Human	ACACCCT-	CAGCTCCTATTTCTTTCTTTTTG-	- - -	CCAACAGATGATTAATTTACATCTTGTTTGCTTATTTCTCTAG	62255					
PolarBear	AATCTTTGGGGATGGCAGCTGAGCACT-	-	GTTT-	- - -	TTGGAAGCTCTGGGAACCAC-	TGCTGTGTAAAGGAAGCTTGAG	23279			
Cow	AATCTTTGGGATTGGGAGCCCAGTACTGCTCTGTTTAGTTTTTCAAGCCCTGGGAATCAC-	TGCCATGTAAAGGCAGCTTGAG	57961							
Dog	AATCTTTGGGGGTGGGACCCCAGTACTCTGTTT-	- - -	TTGAAAG-	- - - - -	- - - - -	TGCTATGTAAAGGCAGCTTGAG	53726			
BelugaWhale	AATCTTTGGGGTTGGGAGCCCAGTACTCTGTTTGTGTTTGAATGCCCTGGGAATCAC-	TGCCATGTAAAGGCAGCTTGAG	53465							
Donkey	AATAATTATTGACAACA-	TGTA	ACTACCCTGTAACA-	-	CTTGATGTCT-	- - - - -	T-	CACCAAGTAAGTTTACTTTAAT	58943	
Cat	AATTT-	- -	GAAGCAGGCTCCAAGCTCTGAGCTG-	- - -	TCAGCAC-	- - - - -	AG-	AGCCCAACATGGG-	GCTTGAA	60677
Ferret	AATCTTTGGGGATGGCAGCTCAGTACTCTGTTT-	- - -	TTGAAAGCTCTGGGTACCAC-	TGCTACGTAAAGGCAGCTTGAG	61117					
Lion	AATCT-	- -	GAAGCAGGCTCCAAGCTCTGAGCTG-	- - -	TCAGCAC-	- - - - -	AG-	AGCCCAACATGGG-	GCTTGAA	58152
Vaquita	AATCTTTGGGGTTGGGAGCCCAGTACTCTGTTTGTCTTGAATGCCCTGGGAATCAC-	TGCCATGTAAAGGCAGCTTGAG	54814							
Pig	TGGGAGCCCAGTACTCTTTGTTTGTCTTGTGTTTGTGTTTGAAGCCCTGAGAAT-	-	C-	TGCCATGTACAGGTAGCTTGAG	51306					

Majority	TGACAGAGCC- - AACCAA										
	78010	78020	78030	78040	78050	78060	78070	78080			
Human	CTCTTGACCTTAGGTATACTTCTGCATCTTCCACCTACATAAAGTTTTTGTGTT-	TTGTTTTAATGTTT	CAGAGGGAAAA	62334							
PolarBear	TGATCGCGCC-	AATGAAATTCT-	-	TTTTTTATACTAG-	TTAAAATTTTGGGCAGTTATTTTCAGTTAATTGGAAAATTT	23354					
Cow	TGACATTGCC-	AACCAGACTCT-	TGCCATGTATTAG-	TTACGATCTTTGGCAATTACTTTTCAGTTAATTGGAA- TTAT	58035						
Dog	GGATAGAACC-	AACC	AACTCT-	TATTATATA-	- - - -	TTACAGTTTTTGGCAATTAATTTTAGTTAATTGGAAGATAT	53797				
BelugaWhale	TGACAGAGCC-	AACC	AACT-	- - -	TTCCATATATTAG-	TTATGATCTTTGGCAATTATTTTCATTTAATTGGAA- TTCT	53537				
Donkey	TTGCATGTTT-	ACCTATAAATT-	GGAGAAATAATACAGTAGATAAAGTTGTT-	-	TTGATTTTGATGTTTTAACAGATAT	59017					
Cat	CTCATGA	AACT-	A-	TGAGATCAT-	GACCTGAGCCGAA-	GT	CAGGCACTCAATG	GA	CTGAGT	CACCCAGGCGCCCTCAG	60751
Ferret	TGATAGAGTC-	AATGAAATTCT-	-	TTTTATACTGG-	TTAAAATTTTGGGCAGTTATTTTCAGTTAATTGGAAAATTT	61192					
Lion	CTCATGA	AACT-	A-	TGAGATCAT-	GACCTGAGCCGAA-	GT	CAGGCACTCAACG	GA	CTGAGT	CACCCAGGCGCCCTCAG	58226
Vaquita	TGACAGAGCC-	AACC	AACT-	- - -	TTCCATATATTAG-	TTATGATCTTTGGCAATTAATTTTCATTTAATTGGAA- TTCT	54886				
Pig	TGACAGAGCC-	AACC	AGACTCC-	-	TTCCATATTCTAGGTTATGATCTTTGGCAGTTACTTTTCAGTTAATTGGAA- TTCT	51381					

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Majority	TTCCCCCTAGCATT TTT - - - GCTTTATAAGAGAATAACA AACTCXGTAAAAAAXAGATTAACAGTGGAG- - GTATTAGT - - -								
	78090	78100	78110	78120	78130	78140	78150	78160	
Human	TTTCAAAGGGTCTTGGAGGGCTTTCTAACAATTGGCATATTCATTGTTAGATAATTTGGCAGTCGG- - - ACCTCAGT- - -								62408
PolarBear	TGCCCCCTAGCATT TTT - - - GCTTTATAAGAGAATAACAGCT- - - TGGAAAA- AATTTAATAATGGAG- - GTATTAGT- - -								23422
Cow	TTCCCCCTAGCATT TTT - - - ATTTTATAAGAGAATAGTAACTCAGGAAAAAAAAATCTTAAAAATGGAGTTGTATTAGT- - -								58109
Dog	TTCCCCCTAGCATT TTT - - - GCTTTATAAGAGAATAACA AACT- - - CAGGAAA- AGATTAACAATGGAA- - GTATTAG- - -								53864
BelugaWhale	TTCCCCCTAGCATT TTT - - - GCTTTATAAGAGAAGAGCAACTCGG- - AAAAAACATTAACAATGGAGTTTTATTAGT- - -								53609
Donkey	TTTCTA- - AGTTTGGT- - - GCTGTGTTGAAGATAATCACATTTACAAAAAATAACCAGTTTCAAGCTCTCCTTCAGT- - -								59089
Cat	TTGCTAC- ATTTTTAT- - - GCTTATTAAGACAATGAAGGCTATATAAAAAACAGATTAACAGTGGA- - - GCATTTGT- - -								60821
Ferret	TGCCCCCTAGCATT TTT - - - GCTTTATAAGAGAAGAACAGCT- - - CAGAAAA- AGACTAACAGTGGAG- - GTATTAGTAGT								61263
Lion	TTGCTAC- ATTTTTAT- - - GCTTATTAAGACAATGAAGGCTATGTAAAAAACAGATTAACAGTGGA- - - GCATTAGT- - -								58296
Vaquita	TTCCCCCTAGCATT TTT - - - GCTTTATAAGAGAAGAGCAACTCGG- - AAAAAACATTAACAATGGAGTTTTATTAGT- - -								54958
Pig	TTCCCTGTAGCATT TTT - - - GCTTTATAAGAGAATAGCAACTCAG- - - AAAACATACCAACAGTGGAGTTTTATTAGT- - -								51452

Majority	GAGGGTTGGAGGG- AAAAATTCAACA- ATCTCXTGAATTTGTXXTGAGGTT- GT- - - - - - - - - - - - - - - T- X- X-								
	78170	78180	78190	78200	78210	78220	78230	78240	
Human	- ATTGCTGGGA- - - AAGAATTCAACT- - CCTAAAAAACTTAGTGTGTGTTTAGTA- ATTTTGTATCAGCACTTTTAGCAT								62481
PolarBear	GAGGGTTGGAGCG- AAAAATTCAACA- GTCCTGAGGATTCGTGTGTGTGTGTGTGTG- - GTTGTGTGTGTGTGTGTGTGTG								23498
Cow	GAGGGTTGGAGGGGAAAAATTTAACC- ATCACCTGAATTTGTTCTGAGGTTTCGTGTATATTGCAGTCCAGTCTCTCTTAA								58188
Dog	- - - GGTTGGAGGG- AAATATTCAACA- ATCTCTTGAATTT- - - - - - - - - - - GT- - - - - - - - - - - -								53901
BelugaWhale	GAGGGTTGGAGGGGAAAAATGTA ACT- ATCTCCTGAATTTGTCCTGAGGTTGG- - - - - - - - - - - CTTTAAA								53668
Donkey	- ATGGTGATCCAGTAAATGCTCAACAGGCAAAACTGGTAAGTCTAGACCTTTTT- - - - - - - - - - - - - - - -								59142
Cat	GAGTGTTGGA- - - - AAAAATTCAACA- ATCTCTTGAATTT- - - - - - - - - - - GT- - - - - - - - - - -								60857
Ferret	GAGGGTTGGAAGG- GAAAATTCAACA- ATCTCTTGAATTT- - - - - - - - - - - AT- - - - - - - - - - -								61303
Lion	GAGTGTTGGA- - - - AAAAATTCAACA- ATCTCTTGAATTT- - - - - - - - - - - GT- - - - - - - - - - -								58332
Vaquita	GAGGGTTGGAGGGGAAAAATGTA ACT- ATCTCCTGAATTTGTCCTGAGGTTGG- - - - - - - - - - - CTTTAAA								55017
Pig	GAGGATAGAAGGGGAAAAATGTA ACCCATCTCCCAAATTTGTCCTGAGGTTGATGTCTGTTACAGTCTAGACTCTTTAAA								51532

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Majority	- A- CCCTAAXGTTCA- - - - - TAT- - - - - ATA- - - - TT- TC								
	78250	78260	78270	78280	78290	78300	78310	78320	
Human	TAACCTAGATACTGTGACTCAAACCCAGCTCTTTTCTCATAAGGTATCATTTTCTCTTTGATAACATTGAAGTAGTCACC								62561
PolarBear	TATTCCTAAGGTTCA- - - - - TAT- - - - - ATA- - - - TT- TC								23523
Cow	AACCTCTGAAGTCAGGGGACACATGTACACCCATGGCTAATTCATGTCTATGTATGGCAAAAAACATTACAATATTG- TC								58267
Dog	- - - - CCTAAGATT CG- - - - - TATTC- - - - - TGTA- - - - TT- TT								53925
BelugaWhale	AAGCTCTTAAGTCA- - - - - A- - - - - CA- - - - -								53685
Donkey	- - TTTATAAAGTGA- - - - - - - - - - TATT- - TT- TC								59162
Cat	- - - - CCCAAGGTTCA- - - - - TAT- - - - - ATA- - - - TT- TC								60878
Ferret	- - - - CCTAAGGTTCA- - - - - TGT- - - - - ATA- - - - TT- TC								61324
Lion	- - - - CCTAAGGTTCA- - - - - TAT- - - - - ATA- - - - TT- TC								58353
Vaquita	AAGCTCTTAAGTCA- - - - - A- - - - - CA- - - - -								55034
Pig	AAGC- C- - AAGTCGTAGTTTTTGTGCATGGCTCA- - GCAGA- - AATGAATCTGACTAGCATTACAGAGGACA- CAGGT- TC								51603

Majority	AGTCC- - - - - AATATXTAAAXXTT XT- - - - TXAA- - - - - AG								
	78330	78340	78350	78360	78370	78380	78390	78400	
Human	TAAGAGTGAATTTTGCTACTTATCTTTTGATATTTATCTATTGT- - - GTAGAAACATCAGTTCTATTACTTATCTCACAT								62638
PolarBear	AGTCC- - - - - AATTTCTAAA- - - - - AA- - - - - GG								23542
Cow	AAGTCATGATCTTTTAATTAGTTAATTAATAAATAAACCCTCTTAAGTCAACCAACAAGGTAATGTTACGTATATTGAG								58347
Dog	AGTCC- - - - - AATCTCTAAA- - - - - AA- - - - - GG								53944
BelugaWhale	- - - - - G- - - - - AAAAGATAATGTATAT- - - TGAG- - - - - G								53707
Donkey	ATT- - - - - GGCACATAGATGTCC- - - - - ACAA- - - - - AC								59186
Cat	AGTCC- - - - - AGTCTTCAAACGTCTGC- - - AAAA- - - - - AA								60906
Ferret	AGTCC- - - - - CATTTCTAAA- - - - - AA- - - - - GG								61343
Lion	AGTCC- - - - - AGTCTTCAAAGTCTGC- - - AAAA- - - - - AA								58381
Vaquita	- - - - - G- - - - - AAAAGATAATGTATAT- - - TGAG- - - - - G								55056
Pig	AATCCCTGGCCTT- - GCTCAGTGGGTTAAGGATTTGGTGTGCT- - - GTGAG- - - GTGTGGTG- TCTGTTGAAGACTTGG								51674

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Majority	TXXXXCAAAXAGAATGGTAXTC- C- - - - - A- CTATTAXAATAAT- ATAGTTCTAXATTXAAATATATAATG								
	78410	78420	78430	78440	78450	78460	78470	78480	
Human	TTTCCCTATAGGAATGCTACATTAGTAAATGAATACCTATCTTCAGTGCTTTCTTCACCTTTACACCAGGGTATTCAATT								62718
PolarBear	TCATGCAAA- GACGT- - - - - A- CTATTAAAATAAT- ATAGTTCTAGATTTACATCCCTAGTG								23596
Cow	GTTGGCATTTTAGGGTGGTAGTCACCACCAGTAATCACCAATCATTGTAAAAATAATGATTATCAAATAAAAAGTAAATTA								58427
Dog	TCTTGCAAA- AGAATGTTGATC- T- - - - - A- CTATTAAAATAAT- ATTGTTCTAGATTTATATACCTAATG								54006
BelugaWhale	GTTGACATTTAGGGTGGTAATCAC- - - - A- - - - - AGTCATTTTAAACAATCATAATTGTCAAGTAAAAAGTAAATTG								53774
Donkey	TCATATATA- CACATGTAAATA- - - - - TAGCTAATGTTATTAATACTGTCATAACTTAGCA- ATATCATG								59249
Cat	ACAAACAAACAAAAAAACTG- G- - - - - T- CTACTAAAGTACT- ATAGTTCTAGATGTATACATATAATG								60969
Ferret	TCATGCAAA- AACATGTTGGTC- T- - - - - A- CTATTAAAATCAT- ATAGTTCTAGCTTTACATACCTAATG								61405
Lion	A- AAAAAAAAAAATGCTGGTC- T- - - - - A- CTACTAAAGTACT- ATAGTTCTAAATATATACATATAATG								58443
Vaquita	GTTGACATTTAGGGTGGTAATCAC- - - - A- - - - - AGTCATTTTAAACAATCATAATTGTCAAGTAAAAAGTAAATTG								55123
Pig	CTCGG- ATCTGGTGTGGCTGTGGC- - - - ATAGGCCAGCAGCTACTGCTCCAATTCAGCCTCTAGGCTGGAA- - - - A- - -								51741

Majority	- - - - - GATCTTGGTXTATG- TAAAXATCA- - GGCTCAA- - - - - TCTATAAXAT- - - - - XTATTATCAAAA								
	78490	78500	78510	78520	78530	78540	78550	78560	
Human	AATAGTTATGTTATTCTGGCTGATAAAGTTGATTGATACATGGCTTCCACTTTTATGTGATGATAGGTACCTTGCCTAAC								62798
PolarBear	- - - - - GATCTTGGTCTATA- TAAACATCA- - GGTTTAA- - - - - TCTGTTGAT- - - - - GTATTATCAGAA								23647
Cow	TTTTAAATGATCCTCACATTTATTAATGAAAA- - GGCCCTAATGCCTTTTTTCAGAAATCTTTTTTCAGTGTATTGGCAAAC								58505
Dog	- - - - - GATCTTGGTCTATG- TAAACATCA- - AGCTTAA- - - - - TCTCTTGAT- - - - - ATTTAATCAGAA								54057
BelugaWhale	TTTTAAATGATCTTCACATTTATTAAGAAAA- - TGCCCTAATGCCTTTTTCAAAAATCTT- - - - - GTTTATTGGCAAGC								53847
Donkey	T- - - - - AGCATTATAGATGGCACAAAATG- - GTATCATTAAAATATTGGAAAAGCTT- - - - - ATTTGTGATAAAG								59312
Cat	- - - - - GATCTTGGTCTATG- TAAACATCA- - GGCTTAA- - - - - TCTATTGAT- - - - - CTATTATCAGAA								61020
Ferret	- - - - - GATTTTGGTCTGTA- TAAACATCA- - GGCTTAA- - - - - TCTATTGAT- - - - - GTATTATCAGAA								61457
Lion	- - - - - GATCTTGGTCTATG- TAAACATCA- - GGCTTAA- - - - - TCTATTGAT- - - - - CTATTATCAGAA								58494
Vaquita	TTTTAAATGATCTTCACATTTATTAAGAAAA- - TGCCCTAATGCCTTTTTCAAAAATCTT- - - - - GTTTATTGGCAAGC								55196
Pig	- - - - - CCTC- TATGTGCTGCAGGTGC- - GGCCCC- - - - - CCCAAAA- - - - - AAACAAAAGCAAAA								51789

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Majority	XAA- - - - - CT- - - - - T- - - - - XTXTTATTTTCAAGGT- - - GGTTATAGAGC- - - TAAXCA-	
	<hr/>	
	78570 78580 78590 78600 78610 78620 78630 78640	
Human	CCAAATGTAATTCAAATCCTGATGTGTATGAACTC- - TCTTTCAGTTTTTACCAGTGCTGTATTGAAGTGGATGAATCT-	62875
PolarBear	GAA- - - - - CTG- - - - - T- - - - - CATTTCATTTTACAGTG- - ACTTATAGAGC- - - TAAACAT	23690
Cow	AAAAATATCATTCACTTACTGTGGCTTCTAGTTTCAAGGTATAGAAAGTGAAGTCGCTTAGTCAT	58585
Dog	GAA- - - - - CTG- - - - - T- - - - - TGCTTCATTTTCAACGTG- - GGTTATAGAGC- - - TAAACAT	54100
BelugaWhale	AG- - - - - T- - - - - - - - - - - - - - - GTATTGGCCAAAGAT- - - - - A- - TCA-	53869
Donkey	AAA- TGTTTATTTTTAAGATT- - AGTCATATCTGCAGTTATCTAT	59354
Cat	GAA- - - - - CT- - - - - - - - - - - - - - - - TGTTTCATTTTCAT- - - - - GGTGATTTAGC- - - TAAAC- -	61055
Ferret	GAA- - - - - CTG- - - - - T- - - - - CACT- - - - - TTTACAGTG- - ATTTATAGAGG- - - TAAACAT	61495
Lion	GAA- - - - - CT- - - - - - - - - - - - - - - - TGTTTCATTTTCATTTTCATGGTGATTTAGC- - - TAAAC- -	58535
Vaquita	AG- - - - - T- - - - - - - - - - - - - - - GTATTGGCCAAAGAT- - - - - A- - TCA-	55218
Pig	AAAAA- - - - - ACGTAGGTCAACATAAAAGGTAATGCTGTGTATGTTGAGGGT- TGGCATTTAGGGCGG- - TGATCA-	51857

Majority	- - - - - AXTCTTCAT- - - - TTCTGAACTATTGTTTTATACAG- TAAATGTTTXTTCTTCTAAT- - - - - GAAAAATTA-	
	<hr/>	
	78650 78660 78670 78680 78690 78700 78710 78720	
Human	- - - - - GTGTTGAATTATTTTCTAGGTTAGTTTTAGGTAGGTAGATTAGTCCATAAAAAAATT- - - - - CGTATATTAAG	62944
PolarBear	- - - - - ATTTTTTCAT- - - - TTCTGAACTGTTATTTTATACAG- TAAATGTTTATTCTTCTAAT- - - - - GAAAAATTAAC	23753
Cow	GTCCGACTCTTTGTGACCCCGTGGACTGTAGCCTACCAGGC- TCCTCCGTCCATGGGATTCTCCAGGCAAGAATACTGG-	58663
Dog	- - - - - ATTCTTCAT- - - - TTCTGAA- - - TTGTCTTATACAG- TAAATGTTTATTCT- - - AAT- - - - - GAAAAATTAAC	54157
BelugaWhale	- - - - - - - - - - - - - - - CTTAACTGTGGCTTCTATCT- AGTTCAGTTTCTATATTTTC- - - - - GAGAAATAGA-	53920
Donkey	AATATAGGCTT- ATATTACTTTGCATTTTTGTTTGATTTAGGTCCAGAAGTTTTGTGCTCTT- - - - GAGGATATAGCAGG	59429
Cat	- - - - - AGTCTTCAT- - - - TTCTGAACTATTGTTTTATACAG- TAAATGTTTATTCTTCTAAT- - - - - GAAAAATTA-	61117
Ferret	- - - - - AGTTTTTCAT- - - - TTCTGAACCATTATTTTATACAG- TAAATGTTTCTTCTTCTAAT- - - - - AAAAAATTAAC	61558
Lion	- - - - - ATTCTTCAT- - - - TTCTGAACTATTGTTTTATACAG- TAAATGTTTATTCTTCTAAT- - - - - GAAAAATTA-	58597
Vaquita	- - - - - - - - - - - - - - - CTTAACTGTGGCTTCTATCT- AGTTTAGTTTCTATATTTTT- - - - - GAGAAATAGA-	55269
Pig	- - - CAAGTGATAGTAGCAATCGTAATTATCAAATAGAAAGT- AAATTGTTTTAAATGATCCT- - - - - CACATTTATTA-	51927

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Majority	AGTATATTCC- CTTGTTCTTT- - - - - AGTTTTTTCTAGTC- - - - - G- - TTATATC- - - - - - - - - - - XCACXCTGGAGTAGA								
	78730	78740	78750	78760	78770	78780	78790	78800	
Human	AGAAAAGGTTTTATATTTCCAGAGGTGAGAATATTTGAATTA-	AAAGCTTTATATA-	CTTAAGCAACTGTAGAGGT	63018					
PolarBear	AATATATTCT- CCTGTTCTTT- - - - - AGTTTGTTTTAGGC-	TTATATC-	CAGCTGGAGTAGA	23807					
Cow	AGTGAGTTGC- CATTTCTCCTCCAGGGGATCTTCCGGACC-	CAGGGATCGAACCCAGGTCTACCGCATTTTCAGGCAGA	58740						
Dog	AATATATTCC- CTTGTTCTTT- - - - - AGTTTGTTCTAGTC-	TTATATC-	CAGCCAGAGTAGA	54211					
BelugaWhale	AGTAATCTCC- TTTTACCTT- - - - - GACTTTTAAAAAATT-	GTTTTATAACA-	ACCCTGAAATTATAACACA	53983					
Donkey	ATTGTATTGTGCATGTACACCTGTATAAGATTTTAAAGTGTTTTCCAGTAGGAGTTT-	CAAAGTAATTAATTTAGC	59503						
Cat	- - TATATTCC- CTTGTTCTTT- - - - - AGTTTCTTCTAGGC-	TTACATC-	CAGCTGGAGTAGC	61169					
Ferret	AATATATTCC- CTTGTTCTTT- - - - - AGTTTGTTCTAGCC-	TTCTATC-	CAGCTGGAATAGA	61612					
Lion	- - TATATTCC- CTTGTTCTTT- - - - - AGTTTCTTCTAGGC-	TTATATC-	CAGCTGGAGTAGC	58649					
Vaquita	AGTAATCTCC- TTTTACCTT- - - - - GACTTTTAAAAAATTA-	TTTGTTTTATAACA-	ACCCTGAAATTATAACACA	55336					
Pig	AGAAAATACC- CTAATGCCTTTTTTCAGAAATCTTGTTTATTGGCAAGCAGTGTATT-	GGGCAAACAAGATTTGGGCAA	52005						

Majority	AATGG- - - - - TGATTATATAG- - - - - X- - - GAGXAGXAAAAAAAA- CXCATAXTCATCT- - - - - - - - - - - TAACAGC								
	78810	78820	78830	78840	78850	78860	78870	78880	
Human	TTACTTTTTCCATAACACGACATGTTTATTCTTCTAATGAAAAGTTAACAGTATGTTACCTGTTCTCTAGTTTGTTC	63098							
PolarBear	AATGT- - - - - TGATTATATAG- - - - - GACCAGGAAAAAAAA- CCCGTAATAATCA-	TAACACC	23858						
Cow	TGCTTTAACCTCTGAATCACCAGGGAAGCCCTCAAGGTATAGAAGTAGACTCCTTTTCACCCAGGATCT-	TTTAAAT	58817						
Dog	AATGG- - - - - TGATTATATAG- - - - - GAGCAGGAAAAAAC- - CCCATAATAA-	TAACAGT	54258						
BelugaWhale	CATGGTAGAAAGTAGCTGTTTTT- - - - - GTTTTTGTAT- TAGAGACAG- - - - - CTTTTCAGGT-	GTGTTATC	54044						
Donkey	CAGTG- - - - - AGATAGTTT- - - - - CT- - - - - GAAATATGTTAATAACTTGTGCTCAAAT-	GCT- - - - - GTGATAGG	59561						
Cat	AATTG- - - - - TGATTATATAG- - - - - GAGCAGGAAAAAAC- - CCCATAATAATCA-	TAACAGC	61220						
Ferret	AATGG- - - - - TGATTATATAG- - - - - TACCAGGAAAAAAAACCTCATAATAATCA-	TAGCAGC	61664						
Lion	AATTG- - - - - TGATTATATAG- - - - - GAGCAGGAAAAAAA- ACCATAATAATCA-	TAACAGC	58700						
Vaquita	CATGGTAGAAAGTAGCTGTTTTT- - - - - GTTTTTGTAT- TAGAGACAG- - - - - CTTTTCAAGT-	GTGTTATC	55397						
Pig	CAAAG- ATTCTTTCAGTTTCCAT- - - - - ATTTTCGAGAAATAGAATTAACCTCCTTTTCACCT-	GTA	52076						

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Majority	AGCAT-----A----GTCTT--A-T-----TATAA--CTCACATTGTA----XCTTTCACA-----TA-----								
	78890	78900	78910	78920	78930	78940	78950	78960	
Human	AGCTTATATCCAGCTGAAGTGAAGTGGTATTATATAGGAGCAGAAAAAGTACAAGATAATCATAGCGGTAACATAGTC								63178
PolarBear	AGCAT-----AT---GTCTT----T-----TATAA--CTCACATTGTA----CTTTCACA-----TA-----								23897
Cow	TATTTA-ATTTATACAACCCTGAAAT-----TGTA--CACACTTGGTAGAAAATTGTAACA-----CAGCTTT								58878
Dog	AGAAT-----AT---GTCT-----TATAA--CTCACATTGTA----CTTTTGCA-----TA-----								54295
BelugaWhale	TATCT-----CTATTAGGAATG-----TGTA-----CAGTTGACACTGGACAGTGACA-----CT-----								54089
Donkey	CTCTT-----GG-CTT--ATT-----TAAGA--C-TGTATCCAATGTTCTCTTTAAA-----GA-----								59604
Cat	AGCAT-----G---GTCTT----T-----TATAA--CTCACATTATA-----CTTACACA-----TA-----								61258
Ferret	AGCA-----A--T-----TATAA--CTCACATTGTA----CTTTCACA-----TA-----								61696
Lion	AGCAT-----G---GTCTT----T-----TATAA--CTCACATTATA-----CTTACACA-----TA-----								58738
Vaquita	TATCT-----CTATTAGGAATG-----TGTA-----CAGTTGACACTGGACAGTGACA-----TT-----								55442
Pig	TGTTT-----TATACAGTTCTGAAGT-----TATAA--CACATGTGGTAGAAAATACCTGTT-----TG--TTT								52131

Majority	---TGTGATTTTTTAT-----TTAATXCTCAAGGT-----AACTTTGTGAGGATCC-----TGGCAGCC								
	78970	78980	78990	79000	79010	79020	79030	79040	
Human	CTTTATAATTCATGATGATTTTTCACATATGTTGTCTTTAATTTACTCCTCTTAATAACCCTTGAAGAAGCATGACAGCC								63258
PolarBear	---TGTGATCTTTTTAT-----TTAATCCTCAAGGT-----AACCTTGTGAGGATCC-----TGGCAGCC								23948
Cow	TAGGGGTATTATCCAC---TTTTATTAGGAATATGTGCAGTTGACACTGCACAGTGACACT---GTGTCTTTTGGAAAT								58951
Dog	---TGTGATCTTTTTAT-----TTAATCCTCAAGGT-----AACTCTGTGGGGATTA-----TGGCAGCC								54346
BelugaWhale	--GTGTCTTTTGGAAA-----TCCTTTAATATGGT-----CACTCTGTTTTAATAT---GCAAGT---GGATTG								54145
Donkey	---TTTTTTTTGAAAGACAGGTTTTCTGAATAGGTTGCTTGTCTATTTTTATTACATCA-----TTTACATTT								59671
Cat	---TGTGATCTTTTTGT-----TTAATCCTCAAAGT-----AACC-TGTGAGGATCA-----TGGCAGCC								61308
Ferret	---TGTGATCTTTTTAT-----TTAATCCTCAAGGT-----ACTCTTGTGAGGATCC-----TGGCAGCC								61747
Lion	---CGTGATCTTTTTGT-----TTAATCCTCAAAGT-----AACC-TGTGAGGATCA-----TGGCAGCC								58788
Vaquita	--GTGTCTTTTGGAAA-----TCCTTTAATATGGT-----CACTCTGTTTTAATAT---GCAAGT---GGATTG								55498
Pig	ATATGTTATTAGAGACAGCTTTTCAAGTAGTAGTGT-TGCTTTTTTTATTTTACCTAAGTACA---GTTAATTTAGCAGAG								52207

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Majority	ATTATCATCTXTG- - - TTTTCCAGATTAAGAAAGATCCTGA- GATTCAGAGAGGTTAAGTAACTTGTTTAAAXATGACCT								
	79050	79060	79070	79080	79090	79100	79110	79120	
Human	ATTGTCATCATT	CTGTTTTCCCGATTAAGA	- - AAT- - TGA-	GATTCAGAGAGG	CAAATAACTTGCTT	AAGATGACCG			63332
PolarBear	ATTATCATCTCTG- - -	TTTTCCAGATTAAGAAAGATCCTGA-	GATTCAGAGAGGTTAAGTAACTTGTTCAAGATGACCT						24023
Cow	CCTATCATTAATGATTTCCCTTCCAGGAGAATATATTTTCATTAAGTTTCATTAGTGGCTTTTCCTATTTTTTATCCATATG								59031
Dog	ATTATTACCTCTG- - -	TTTTCTAGATTAAGATAGATCCTGA-	GATTCAGAGAGGTTAAGTAACTTGTTCAAGATGACCT						54421
BelugaWhale	TTTCTCATTAATGATT-	CCTTCCAGGAGAGTGTATTTTCATTA-	GTTTCATTGGTGGCTTTTCCTGTTTTTAATCCATATG						54223
Donkey	GTTGTTGTTGTTA- - -	TAGAGGGAGGGTAAGAAAGTATTAAGAAAGTAGAATCATCCCATGTCATGGCT- -	ACCATTGA						59746
Cat	ATTACCATCTTTG- - -	TTTTCCAGATTAAGAAAGATCCTGA-	TACTCAGAGAGGTTAAGTAACTTGCTCAGTATGACGT						61383
Ferret	ATTATCTTCTCTG- - -	TTTTCCAGATTAAGAAAGATCCTGA-	GATTCAGAGAGGTTAAGTAACTTGCTCAATATGACGT						61812
Lion	ATTACCATCTTTG- - -	TTTTCCAGATTAAGAAAGATCCTGA-	TACTCAGAGAGGTTAAGTAACTTGCTCAATATGACGT						58863
Vaquita	TTTCTCATTAATGATT-	CCTTCCAGGAGAGTGTATTTTCATTA-	GTTTCATTGGTGGCTTTTCCTGTTTTTAATCCATATG						55576
Pig	TGTATAATTTCTG- - -	CTGTATAGCAGAGTG-	GCTCAGTTA- - -	TACATGTATGTTTTCTGCTGTATAGCAGAGTGGCT					52279

Majority	AATT- GAATATAGGCTTTTT- - - TAGCTCTAGAGCCTGTACTCTTCTAT- - - TCCTGAGCTTTTC- - - - - - TGGGATGA-								
	79130	79140	79150	79160	79170	79180	79190	79200	
Human	AAAA-	GAGTCTAGGCTTTTTAATTAATCCTAGACCTGGCACTCGTCAGT- - -	TCAGAACTTTTC- - - - - -	GGAATGA-					63400
PolarBear	AATT-	GAGTGTAGGCTTT- - - -	CAGCTCTAGAGCTTGCCTCTTCTAT- - -	TCCAAGCTTTCC- - - - - -	TGGGATGA-				24087
Cow	CAGTGTTCATTGTGGTGT- - -	TAATTATTCATTCTATA-	TTAACATCTTTACTGAGTTTATCATGTTTTTGACATAAA						59107
Dog	AATT-	GACTATAGGCTTT- - - -	CAGTTCTAGAGTTTGCCTCTTCTAT- - -	TCCTAAGCTTTTC- - - - - -	TGGGATGA-				54485
BelugaWhale	CAATGTTT-	ATTGTGTTGT- - -	TAACATACATTCTGTA-	TTAACATCTTTACTGAGTTTATCATGTTTTTGCCATAAA					54298
Donkey	AAACTGCATACCACATGTT- - -	TGCTTCTAAAAGCCATAATCTTCTGT- -	TTGTCTGTCTTATT- - - - - -	TAAATCTAC					59814
Cat	AATT-	GAATGTAGACTTT- - - -	CAGCTCTAGAGCCTGTACTCTTCTAT- - -	TCCAGAGCTTTCC- - - - - -	TGGGATGA-				61447
Ferret	GATTTGAGTGTAGGCTTT- - - -	TAGATTTAGAGCTTGCCTCT- - -	AT- - -	TCCTGGGCTTTCC- - - - - -	TGGGATAA-				61874
Lion	AATT-	GAATGTAGACTTTT- - - -	CAGCTCTAGAGCCTGTACTCTTCTAT- - -	TCCAGAGCTTTCC- - - - - -	TGGGATGA-				58928
Vaquita	CAATGTTT-	ATTGTGTTGT- - -	TAACATACATT- - - -	A- TTAACATCTTTACTGAGTTTATCATGTTTTTGCCATAAA					55647
Pig	CAGTTATACATGTATGTTT- - -	TCATATTTTTGCTATGGTTTATCACAGGATTGAGTATGT- -	TCCCCATGAATAGAG						52354

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Majority      T G T T X T A T T T T C T A A - T T C A A C A T T T T A T T C T G A T T X T G G T - - T G A A C A C T T C A A G T T A T - - - - G G A A A T A A T - - - - - A
                |          |          |          |          |          |          |          |
              79210    79220    79230    79240    79250    79260    79270    79280
Human         C A T T G G A T T T G C T A A T T T C A T C A A G A T A A T C T G A T T G G G G G - - T G A A C A T T T C A G G T T A A G G A A A A T A C T A G T T T T T T T C 63478
PolarBear    T G T T C T A T T T T C T A A - T T C A A C A G T C C A T T T T G A T T C G G G T - - T G A A C A C C T C A A G T T A A - - - - G G A A A T A A T - - - - - A 24154
Cow          T C T T A T A T T T A C T A T - G A A G A T A T T T T T C C T G A T T G T T T T C A T G T A C T C T C C A A A C T T T C C C T T T G C A T A G A - - - - - T 59180
Dog          T G T T A C A T T T T C T A A - T T C A A C A A - - - G T T T T G A T T A G G - - - T G G A C A T C T C A A T - - - - - G A A A T A A T - - - - - A 54542
BelugaWhale  T C T T A T A C T T A G T A T - G A A A A T A C T T T T T C C T G A T T G T T T T - - T G T G T A T T C C A A C C T T C C C T T T G C A T A G A - - - - - C 54369
Donkey       C T T T C C T C T C T C T C - - T T T A A C T T C T T T G C C G T G T A T T T C A T T G T T A T T T T C A T T C C A T - - - - - C A T T A T - - - - - A 59879
Cat          T G T T G G A T T T T C T A A - T T T A A G T T - - - A T T T T G A T T C A G G T - - T G A A C A C C T C A A G T T A C - - - - G G A A A T A A T - - - - - A 61511
Ferret       T G T T G C A T T T T C T A A - T T C A A C A A T C T A T T T G G A T C C A G G T - - T C A A C A C C T C A A G T T A A - - - - G G A A A T A A T - - - - - A 61941
Lion         T G T T G G A T T T T C T A T - T T C A A G T T - - - A T T T T G A T T C A G G T - - T G A A C A C C T C A A G T T A C - - - - G G A A A T A A T - - - - - A 58992
Vaquita     T C T T A T A C T T A G T A T - G A A A A T A C T T T T T C C T G A T T G T T T T - - T G T G T A C T C C A A C C T T C C C T T T G C A T A G A - - - - - C 55718
Pig          T C C C T G T C C C C T A - - - A A T A C A G T A G G A C C T T G T T A T - - - - A G G A A T A T T G C C T G T T T C T A T T A G G A A T G T G - - - - - C 52421
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Majority      G T A T T T G C C X C G T T T T A T X G G A A T T G C T A T T A T G C A T T - A T A G T G A T A X X T X T T T G G C T T A A G G C X C T T C X T A A A A T G T G
                |          |          |          |          |          |          |          |
              79290    79300    79310    79320    79330    79340    79350    79360
Human         T T T T T T G C C T C A T T T T A T G G G A A T T G C T A T T A T G T G T T - - - - A G G A T A - - A T T T G G T T T G A A G C A A C T T T G T A C A A T G T G 63552
PolarBear    G T G T T T G C C C C A T T T C A T G G C A A T C G C T A T T A T G C A T T - A T A G T G A T A C T T A T T T G G C T T G A G G C G C T T C A T A A A A T G T G 24233
Cow          A C A T T T G A G A G G C T T T T T T G C A A A T T A A C T T G G G C T T T T A C T G T C A G A A A T C T T T G C T C C A G C A A G A T C A C T A C A A T C T T 59260
Dog          G T T T C T G C C C C A T T T C A T G G G A A T T G C T C T T A T G C A T T - A T A G T G A T A - - T A T T T G G C T T G A A G C A C T T C A T A A A A T G T G 54619
BelugaWhale  A C A T T T G A G A G G C C T T T C T G C A A A T T A A C T T G A G C T T T T A C T G T G A G A A A T C T T T G C T C T A G C A A G A T C A C T G C A A T C C C 54449
Donkey       C C A T T A A A T A - - - T T C A T T A T T A A A C C A T T A A T T C A A T T G T C T T T A C T T A C C T T T G T C T T A C C T C T T T T T C T T T A T T T C A 59956
Cat          G T T T T T G C C C T G T T T T A T G G G A C T T G C T A T T A T G C C A T - A T A G T G A T A C T T A C T T G G C T T G A G G C A C T T C A T A A A A T G T G 61590
Ferret       G T G T T T G C - - - - - - - - - - - - - - - A T T A C T A C T A T A C A T T - A T A G T G A T A C T T A T T T G G C T T G A G G C A C T T C A T A A A A T G T G 62006
Lion         G T T T T T G C C C C G T T T T A T G G G A C T T G C T A T T A T G C C T T - A T A G T G A T A C T T A C T T G G C T T G A G G C A C T T C A T A A A A T G T G 59071
Vaquita     A C A T T T G A G A G G C C T T T C T G C A A A T T A A C T T G A G C T T T T A C T G T G A G A A A T C T T T G C T C T A G C A A G A T C A C T G C A A T C C C 55798
Pig          A C A G T T G A C G - - - - - - - - - - - - - - - C T G G A C A T G A C A C T G T G T C T T - - - - - T T G G C A G T C C T T - - - - - T T A T A A T G G T C A C T C T T A T T T T 52486
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Majority	GCAT - - CAAACAAAAGTTACCTTATAAAAATTCTTCTAAGT - - - - ACTGCCAT - - - - - CCAGCAAAAAAT								
	79370	79380	79390	79400	79410	79420	79430	79440	
Human	GCAT - - CAAATAGCAGTTACCTTCTAAAAGTGTACTGAATCATATAAGT - - - - ACTGCCAT - - - - - CCAGCAATAAAT								63619
PolarBear	ACAT - - CAAACAAAAGTTACCTTATAAAAATTACACCAATTCTTCTAAGT - - - - ACTGCCAT - - - - - CCAGCAAAAAAT								24300
Cow	GATTGCTGAACACTGACTGACTTGTGTGCTACTGTTATTTCTTGGAAAGTTG - - GCAAATAACAATGAACTTAAAGTGAGC								59338
Dog	GCAT - - CAAACAAAAGTTACCATATAAAAATTATACCAATTTTTCTAAGT - - - - ACTGCCAT - - - - - CCAGCAAAAAAT								54686
BelugaWhale	GATTGCTGAACACAGACTGACTTGTGTGCTGCCATTATTTCTTGGAAATTTT - - GCAAACAC - - ACGAGCTTGAAGTGAGC								54525
Donkey	CTCT - - CAGACTAATTATGGTATGTAATACATCAGTGCTTCTTCCAAGTCAAGATAGCTTGTATCGAACCCGGACCGGTT								60034
Cat	TCAT - - CAAACAAAAGTTACCTTACAAAATTCTAACAATTCTTCTAAGT - - - - ACTGCCAT - - - - - CCAGCAAAAAAT								61657
Ferret	ACCT - - CAAACAAAAGTTATGTTCTAAAATTACACCAATTCTTCTAAGT - - - - ACTACCAT - - - - - CCAGCAAAAAAT								62073
Lion	TCAT - - CAAACAAAAGTTACCTTACAAAATTGGAACAATTCTTCTAAGT - - - - ACTGCCAT - - - - - CCAGCAAAAAAT								59138
Vaquita	GATTGCTGAACACAGACTGACTTGTGTGCTGCCATTATTTCTTGGAAATTTT - - GCAAACAC - - ACGAGCTTGAAGTGAGC								55874
Pig	AAC - - - - - ATGC - AATGGATTCAATTAGTTACTAATAGTAAAAATATGTAA - - ACATTAGGTAAAATATTTGCAGC - AGT								52556

Majority	XTGTATXTATAATAAAAATT - - - - - AAAGTATTATGCAGACTATTATGGTAXGACTTTXGAXAGGACTG								
	79450	79460	79470	79480	79490	79500	79510	79520	
Human	ATAT - - GTATAATAAAAATT - A - - - - - ACCTTATTGAGCAGAGTAGTGTGGTACTACTTT - GGTAGGACT -								63679
PolarBear	GTGTATGTATAATAAAAATT - - - - - AAATTATTACGTAGACTATTATGGTGTGACTTT - GGCAGGACTG								24362
Cow	TTGCATATATAGTTTACTTTAATTTTTCTT - - - CTTACTTCACTTGTCAATTTTACCTCAGCCAGCTGTTGAAAATGCCTG								59415
Dog	ATGTATGTATAATAA - - - - - AGTATTATGCAGACCATTATGGTACAACCTCT - TGTAGGACTG								54742
BelugaWhale	TTGCATATCTAGTTTACTC - - - - - ATTTG - - - - - TAGTCATCTTCCCTCAGCCAGCTATTGAAAGTGCCTG								54586
Donkey	TTGATT - TCTGGTTCATTGCA - - - - TTTCCATCCTCAGAATCTCATTGTTGGGAGCAAAAATAGCTTTCAGGGAGCAGAAAG								60109
Cat	GTGT - - - - ATAATAAAAATT - - - - - AAAGTATTATGCAGACTATTATGGTATGACTTT - GACAGGACTG								61715
Ferret	GTGTATGTATAATAAAAATT - - - - - AAAGTATTATTGAGGCTATTATGGTATGACTTTTGGCAGGACTG								62136
Lion	GTGT - - - - ATAATAAAAATT - - - - - AAAGTATTAAAGCAGACTATTATGGTATGACTTT - GACAGGACTG								59196
Vaquita	TTGCATATCTAGTTTACTC - - - - - ATTTG - - - - - TAGTCATCTTCCCTCAGCCAGCTATTGAAAGTGCCTG								55935
Pig	AAGAACATGTCATTCATTTCTTCTTACTTGATACTTACTGCTTTATGCAGATTCTTTGAGAAAATAATGAAATTTCT -								52635

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Majority	- - - TTGTGGAAAXAAATATATGTAC- - - - - AGCTGGGAXAXCXAAGAATGATXTATXATATTTGGTCC- CTTTCCTGG								
	79690	79700	79710	79720	79730	79740	79750	79760	
Human	- - TTGGGGGAAAGTAATACATGGAC-	- - - - -	AGCTGGAACAGCAAAATTTGATATATGAAATTTGAATCCTTTTCCTGG	63885					
PolarBear	- - - TTGTGGAAACGAATACATGTAC-	- - - - -	AACTGGGACAACAAAGAATGATGTATGGTATTTGATCC- CTTTCCTGG	24563					
Cow	C- CTACATAAAGGTGGTTTTTTTTTTTTTTTTTTGGTTAAAGGTTTCTAGACAGCTTTCAAGCAGTTAGCAT-	AATCATT-	A	59650					
Dog	- - - TTGTGGAAACAGATACATGTAC-	- - - - -	AGCTGGGATA- - - - ATAATGATACATGCTATTTGATCC- CTTTCCTGG	54932					
BelugaWhale	TTTTAATTAAGGAAGAAT-	- - - - -	GTCAAAGGCTTCTAGAGGGCTTTCTAGCAGTTAGCAT- ATTCATAGT	54796					
Donkey	- - - TTATCCTAATGCACAT- TGTCTGT-	- - - - -	AAGGTAAGTACTAGCCAGAAAATAGGAGTCATCCTTTATTCCTCTTCCTTTC	60321					
Cat	- - - TTGTGGAAACAAATA- ATGTAC-	- - - - -	AGCTGGGATAACGAAGAATGATGCATGATACTTGGTCC- CTTTCCTGG	61903					
Ferret	- - - TTGTGGAAACAAATACATGTAC-	- - - - -	AACTGGGATAACAAATAATAATGTATAATATGTGATCC- CTTTCCTGG	62341					
Lion	- - - TTGTGGAAACAAATA- ATGTAC-	- - - - -	AGCTGGGATAACGAAGAATGATGCATGATACTTGGTCC- GTTTCCTGG	59384					
Vaquita	TTTTAATTAAGGAAGAAT-	- - - - -	GTCAAAGGCTTCTAGAGGGCTTTCTAGCAGTTAGCAT- ATTCATAGT	56145					
Pig	- - CTAATCTGGGGTGGTATTTATGTTGGG-	- AAGTAAATTGGTCCAAAGTATTATTATTATTATTATTTTAAATTTT-	T	52863					

Majority	TGTCTTTTATXTGCAGGTCTTCATTGTTGGGTTTTA- - - - - TTGTCAAAGTCATA- - - TTTCTTXXTTAATTTTCATTCCCT								
	79770	79780	79790	79800	79810	79820	79830	79840	
Human	TAGCTTTTAAGTTCGAGTTTTTGTGTTGAGTTTTA-	- - - - -	TACTAAAATTATACTTTCACTAATTTTTATTTTTTGT	63960					
PolarBear	TGTCTTTTATGTGCAGGTCTTCATTGTTGGGTTTTA-	- - - - -	TTGTCGAAGTCCTG- - - TTTCTTGCTAATTTTCATTCCCT	24635					
Cow	AGATATTTGGCAGT- CAACCTCTTTGATAGAACCTG-	- - - - -	GCCCCAAAGAAACT- - - GCTTGTTTTGAAGTTAGTCATT	59721					
Dog	TGTTTTTTATGTGCAGGTCTTCATTGTTGGGTTTTA-	- - - - -	TTGTCGAAGTCCTG- - - TTTCTTGATAATTTTCATTCCCT	55004					
BelugaWhale	AGATATTTGGCAGT- CAACCTCATTGAAAGAACTCA-	- - - - -	GCCCCAAAGAAACTCT- GCTTATTGTGAAGTTAGTGATT	54869					
Donkey	AGCCTATCACAAA- TCTCATTGATTCTAGATCCTAAATTTCTATTGAATCTATCCT-	TTTGTCTTCAACTCTCTTGCCA	60399						
Cat	TGGCTTTTATGTGCAGGTCTTCAATATTGGGTTTTA-	- - - - -	TTGTCGAAATCCTA- - - TTTCTTGCTAATTTTCATTCCCT	61975					
Ferret	TGTCTTTTATATGCAGGTCTTCATTGCTGGGTTTTG-	- - - - -	TTGTCGAAGTCCTG- - - TTTCTTATTAATTTTCATTCCCT	62413					
Lion	TGGCTTTTATGTGCAGGTCTTCAATATTGGGTTTTA-	- - - - -	TTGTCGAAATCCTA- - - TTTCTTGCTAATTTTCATTCCCT	59456					
Vaquita	AGATATTTGGCAGT- CAACCTCATTGAAAGAACTCA-	- - - - -	GCCCCAAAGAAACTCT- GCTTATAGTGAAGTTAGTGATT	56218					
Pig	TATTTTCCCACTGTACAGCAAGGGGGTCAAGTTATC-	- - - - -	CTCACATGTATACA- - - TTACAATTACAGTTTTCCCCC	52935					

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Majority	TAAAAGTAGGG- - ATTATACT- - - CGACCTG- - ATCTTCCATCTGGGGATGGACA- - - - - - - - - - - ACC- TGCATTGGA	
	80010 80020 80030 80040 80050 80060 80070 80080	
Human	TAAAAGTAGGG- - ATTATACT- - - CGACCTG- - ATCTTCCATCTGGGGATGGACA- - - - - - - - - - - ACC- TGCATTGGA	64146
PolarBear	TAAAAGTAGGG- - ATTATACT- - - CGACCTG- - ATCTTCCATCTGGGGATGGACA- - - - - - - - - - - GCC- TGCATTGGA	24821
Cow	TAGAGACATAG- - ATTCTATTACATGACTCGCCATTTCCCCTATAGGAATGAGTA- - - - - AATGAAGACC- TATTTTCGG	59924
Dog	TAAAAGTAGGG- - ATTATACT- - - CGACCTG- - ATCTTCCATCTGGGGATGGACA- - - - - - - - - - - ACC- TGCATTGGA	55190
BelugaWhale	GAGAGATATAG- - ATTCTATTACTTGGCTCAACATTTCCCCTATAGGAATGAGTA- - - - - AAAGAAGACC- TGTTTTCAA	55095
Donkey	TTAATGCAGAGTGACCTGGGCTGCTAGTCTATGAATCACAGTTT GAGTAGCACTGATCTAAGCCATCATCATCTCTTAAA	60622
Cat	TAAAAGTAGGG- - ATTATACT- - - CGACCTG- - ATCTTCCATCTGGGGATGGACA- - - - - - - - - - - ACC- TGCATTGGA	62161
Ferret	TAAAAGTAGGG- - ATTATACT- - - CGACCTG- - ATCTTCCATCTGGGGATGGACA- - - - - - - - - - - GCC- TGCATTGGA	62599
Lion	TAAAAGTAGGG- - ATTATACT- - - CGACCTG- - ATCTTCCATCTGGGGATGGACA- - - - - - - - - - - ACC- TGCATTGGA	59642
Vaquita	GAGAGATATAG- - ATTCTATTACTTGGCTCAACATTTCCCCTATAGGAATGAGTA- - - - - AAATAAGACC- TATTTTCAA	56444
Pig	CAGCCACAGTC- - TTTTCTCCAAGTCCATGATTTTCTTTTCTGAGGAGATGTTCATTTGTGCTGGATATT- AGATTCCAG	53152

Majority	CCC- - - AGCTATTGCTGCAGCAT- - - - - - TTGCCAAGGAGACTTCTCTC- - - TTAGGTATGATT- - - - - - - - - - -	
	80090 80100 80110 80120 80130 80140 80150 80160	
Human	CCC- - - AGCTATTGCTGCAGCAT- - - - - - TTGCCAAGGAGACATCCCTC- - - TTAGGTATGATTT- - - - - - - - - - -	64199
PolarBear	CCC- - - AGCTATTGCTGCAGCAT- - - - - - TTGCCAAGGAAACATCCCTC- - - TTAGGTATGATT- - - - - - - - - - -	24873
Cow	TGCTTTGTTTGCTTTTACAGCAG- - AGTATTGAATTAATTACTTATTAGGTATTGAATAAGAAT- - - TAATTACTTATGA	59999
Dog	CCC- - - AGCTATTGCTGCAGCAT- - - - - - TTGCCAAGGAGACCTCCCTC- - - TTAGGTATGATT- - - - - - - - - - -	55242
BelugaWhale	TGCTTTGTTTGTCTTTACAGAAG- - AGTATTGAATTAAT- ACTTATATTA CTCTGGCTGAGAG- - - - - - - - - - -	55155
Donkey	TCTCTGTTTCATTGGCCTTCTGACTAACTCACCGCTTTGACTTCTTCTTCCACACCTGTTGCT- - - - - TTTCCACAGA	60696
Cat	CCC- - - AGCTATTGCTGCAGCAT- - - - - - TTGCCAAGGAGACCTCTCTC- - - TTAGGTATGATT- - - - - - - - - - -	62213
Ferret	CCC- - - AGCTATTGCTGCAGCAT- - - - - - TTGCCAAGGAGACATCCCTC- - - TTAGGTATGATT- - - - - - - - - - -	62651
Lion	CCC- - - AGCTATTGCTGCAGCAT- - - - - - TTGCCAAGGAGACCTCTCTC- - - TTAGGTATGATT- - - - - - - - - - -	59694
Vaquita	TGCTTTGTTTGTCTTTACAGAAG- - AGTATTGAATTAAT- ACTTACATTA CTCTGGCTGAGAG- - - - - - - - - - -	56504
Pig	TAATAAGTGATATCATATGGTATTTATCTTTGTCTTTCTGGCTCATTTCACTCAGGATGAGATTCTCTAGTTCCATCCAT	53232

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Majority	- - - - - T - - - - TTATTGTCTATACCACTTT - - - - - T - - - - CTCCCATTT - - - TGCCAX- ATGGGAA- AGTGCC							
	80170	80180	80190	80200	80210	80220	80230	80240
Human	- - - - - TTATTGTCTTAACCACTTT - - - - - T - - CTCCCATTT - - - TGCCAA- ATGGAAA- - - AGTA 64245							
PolarBear	- - - - - T - - - - TTATTGTCTATACCACTTT - - - - - T - - - - CTCCCATTT - - - TGCCAA- ATGGGAA- GGTGCC 24922							
Cow	AGTATTG- AATTAATATTTATATTACTCTGCCTGAGAGAGTTGATACTTCCCATTCTCATGTGATGATAGGTGCTTTCCC 60078							
Dog	- - - - - T - - - - TTATTGTCTATACCACTTT - - - - - T - - - - CTCCCATTT - - - TGCCAA- ATGGGAA- AGTGCC 55291							
BelugaWhale	- - - - - AGTTGATACT - - - - - T - - - GGTTTTCATTCTCATATGATGATAGGTACATTGCC 55201							
Donkey	GT - - - - - ACTAAGAATGATCTCAACTAAAAATCGTCTTTCTTCCATTCTCACTGCCCTTCAGTGACTGAGT- CTTGTC 60768							
Cat	- - - - - T - - - - TTATTGTCTATACCACTTT - - - - - T - - - - CTCCCATTT - - - TGCCAA- ATGGGAA- AGTGCC 62262							
Ferret	- - - - - T - - - - TTATTGTCTATACCACTTT - - - - - T - - - - CTCCCATTT - - - TGCCAC- GTGGAAA- GGTGCC 62700							
Lion	- - - - - T - - - - TTATTGTCTATACCACTTT - - - - - T - - - - CTCCCATTT - - - TGCCAA- ATGGGAA- AGTGCC 59743							
Vaquita	- - - - - AGTTGATACT - - - - - T - - - GGTTTTCATTCTCATATGATGATAGGTACATTGCC 56550							
Pig	GTTGCTGCAAATGGCATT- ATGTCATTCTTTTTTA- - - TG- - GCTGAGTGCTATTC- CATGGTGT- ATATATACCACATC 53304							

Majority	T - - - - - ATTXAAATCCCAGTAAGTATAATGAATCCTTC - - - - ATTTTGGAAATTTAXGAAATT - - - GTGTTAGG							
	80250	80260	80270	80280	80290	80300	80310	80320
Human	C - - - - - CAGTAAGTATAATGAATCCCCC - - - ATTTTGGACCTTACCAAATT - - - GTGTTAGG 64297							
PolarBear	T - - - - - GTTAAACTCC- AGTAAGTATAATGAATCCCC - - - ATTTTGGAAATTTAAGAAATT - - - GTGTTAGG 24982							
Cow	TAATTCAAATAGAATTCAAATCCTGATGTGCATGTAGTCTCTTTATGTGAATATAGAAATGGGGAAACT - - TGTGTTGAA 60156							
Dog	T - - - - - GTTAAACTCC- AGTAAGTATAATGAATCCCTC - - - ACTTTGTAATTTAGCAAATT - - - GT - - TGGG 55349							
BelugaWhale	TAATTCAAATATAATTCAAATCTGATGTGTATGTAGTCCCTTTAAGTGAGTTT - - - TCATCAGTAAT - - - TATTGAA 55273							
Donkey	TTTAGTATAAAGTCCCTCATTCTTAACATGGTTTACAGAACTTTAAATCAATCCTCAGTTTGCCTCTCTG - - GTCTCATC 60846							
Cat	T - - - - - ATTAAAACACTACAGTAAGTATAATAAATCCTCC - - - ATTTTGGAAATTTAAGAAATT - - - GTGTTAGG 62323							
Ferret	T - - - - - GTTAAACTCCCAGTAAGTATAACGAATACCCC - - - ATTTTGGAAATTTAAGAAATT - - - GTGTTAGG 62761							
Lion	T - - - - - ATTAAAACACTACAGTAAGTATAATAAATCCTCC - - - ATTTTGGAAATTTAAGAAATT - - - GTGTTAGG 59804							
Vaquita	TAATTCAAATATAATTCAAATCCTGATGTGTATGTAGTCCCTTTAAGTGAGTTT - - - TCATCGGTAAT - - - TATTGAA 56622							
Pig	T - - TCCGAATCCAAT- CATCTGTGATGGACATTTGGGTTGTTCCATGTCTTGGCTATTGTGAATAGTGCTGCAATGAA 53381							

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Majority	T- X- - - - - TTTAATT- T- - - - - TT- - - - - TTT- - - - - TTTTTTTA- XTAAGATG- CATATGAATGCTGTTGGGAGA- - - - -	
	80330 80340 80350 80360 80370 80380 80390 80400	
Human	TTT- - - - - CGTGAGTTT- - - - - TCT- - - - - TTTTCTCAAGTGAGAAGGCATATGAATACTGTTAAGAAA- - - - AAC	64354
PolarBear	T- - - - - TTTATTTTAA- - TTTTACTCT- - - - TTTTTTAGATAAAGAGG- CATTGAAAGCTGTTGGGAGG- - - - -	25041
Cow	T- TGTGTTTTTAAGT- TAGCTTTTAGCTTGGTAAATATATTCACCTAAAT- - CTTAATTTTGTATGTTAAAGG- - AAAGG	60230
Dog	T- - - - - TTTATTTAT- - - - - TTTTTTAGATAAAGAGG- CATATGAATGCTGTTGGGAGA- - - - -	55396
BelugaWhale	ATTG- - - - - GTGAAC- - - - - TTGGGTTG- - AATTGTGTTT- - TTAGGT- - - - TAGTTTTTAGCTTGGTAAA- - - - -	55326
Donkey	TCCCATCTTTTAATTATATTGAACCTCTTTAAATACTTTGCATATACTGTA- TTTTTTCTCTGATCTCTCAGG- - - - -	60918
Cat	T- - - - - TATTTT- - - - - TTTTT- - - - - TATGATG- TATATGAATGCTGTTGGGAGA- - - - -	62364
Ferret	T- - - - - TTTACTTTT- - - - - TTTTTTTTTT- - - - - TTTTTTAAGATAAAGGAG- CATTCAATGCTGTTGGGAGA- - - - -	62819
Lion	T- - - - - TATTATTAT- - - - - TAT- - - - - TTTTTT- - - - - TATGATG- CATATGAATGCTGTTGGGAGA- - - - -	59851
Vaquita	ATTG- - - - - GTGAAC- - - - - TTGGGTTG- - AATTGTGTTT- - TTAGGT- - - - TAGTTTTTAGCTTGGTAAA- - - - -	56675
Pig	CATGCGGGTGCATGTGTCTCTTTTAAAGTAG- - AGTTTTGTCCAGATAGATG- CCCAAGAGTGGGATTGCGGGTCATATG	53458

Majority	- - - - - AAAACTTAAAGTGTTAX- - - - - TAAAAATTCTATCX- - - - - GCTXTAT- TCTTTTCATC- - - - - A	
	80410 80420 80430 80440 80450 80460 80470 80480	
Human	CCAAAGTATTCTTTATAAGTCTAA- - - - - TTAAAATTATATGT- - - - TAGTTTTGTTCTTTTAATACCTTCAG- - - C	64420
PolarBear	- - - - - AAAACCTAAAGTGTTAA- - - - - TAAAAAATCTATTA- - - - - GCTGTAT- TCCTTTCACC- - - - - A	25090
Cow	GTTTTCTCTTTTACAGAGTGGGAGTATTTTAAATATAAATTTT- - - - TAACTATAA- ACTTTATATACAAAGCAGCTA	60305
Dog	- - - - - AAAACCTAAAATGTTA- - - - - TGAAAATTCTGTCA- - - - - GCTGTAT- TCCTTTCACT- - - - - G	55444
BelugaWhale	- - - - - TATATTCACA- - - - - TAAATCTTAACTTT- - - - - TTTTGA- ATTTTATTTT- - - - - A	55367
Donkey	- - - - - TTTGCAACTTGCTAACCCA- - - - - TTTGCTGATATTGCTTTCT- - - - - CTTCATCTCTTTATGCC- - - A- - - - - G	60976
Cat	- - - - - AAAGCTTAAAGTGTTAA- - - - - TTACAGTTCTATCA- - - - - GCTATAT- TCCTTTCATC- - - - - A	62413
Ferret	- - - - - AAAACCTAAAGTGTTA- - - - - TGAAAATTCTGTCA- - - - - GCTGTAT- TCCTTTCACC- - - - - G	62867
Lion	- - - - - AAAGCTTAAAGTGTTAA- - - - - TTACAGTTCTATCA- - - - - GCTATAT- TCCTTTCATC- - - - - A	59900
Vaquita	- - - - - TATATTCACA- - - - - TAAATCTTAACTTT- - - - - TTTTGA- ATTTTATTTT- - - - - A	56716
Pig	GAAGTTCTATGTATAGATTTCTAAGGTATCTCCAAACTGTTCTCCATAGTGGCTGTACCAGTTTACATTCCCACCAGCAG	53538

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Majority	TXCTCA- - - - TTTTCTTXXTTCCAAAATAAAAG- - - - - AAGAXAAGT- - - - - TCT- - - - -								
	80490	80500	80510	80520	80530	80540	80550	80560	
Human	TTCTCTTCCATGCCACTCTCCAGAACA	AAAAG- - - - -	AAGAAAAGC- - - - -	TCT- - - - -	64464				
PolarBear	TCCTCA- - - - TTTTCTC- TCCAAAATGAAAG- - - - -	AAGAAAAGC- - - - -	TCT- - - - -	25129					
Cow	TTGAGG- - - - TTTTCTTTTCCATAACAGAAC- ACTCTTGACTATTTTAAAGTGTTTCAGTTACGTTCTTCT- - CCAAT	60378							
Dog	TCCTCA- - - - TTTTTTCTCCAAAATGAAAG- - - - -	AAGAAAAGT- - - - -	TCT- - - - -	55484					
BelugaWhale	TTTAGT- - - - - TTTTTGTACAGCAGGTT- - - - -	CTTATTATCTGT- - - - -	TTT- - - - -	55405					
Donkey	CTCCTCCTTCCCTTCCCTCTTTCAAGTTTCAGT- - - - -	TTAGAAGT- - - - -	CTCT- - - - -	61020					
Cat	TCCTCA- - - - GTTTCTC- TGTCAAATAAAAG- - - - -	AAGA- - - GC- - - - -	TCT- - - - -	62449					
Ferret	TCCTCA- - - - TGTTCTT- TCCAAAATAAGAG- - - - -	AAGAAAAGC- - - - -	TCT- - - - -	62906					
Lion	TCCTCA- - - - GTTTCTC- TGT- - - - TAAGAG- - - - -	AAGA- - - GC- - - - -	TCT- - - - -	59931					
Vaquita	TTTAGT- - - - - TTTTTGTACAGCAGGTT- - - - -	CTTATTATCTGT- - - - -	TTT- - - - -	56754					
Pig	TGCAGGAGGGTTCCTTTCTCCACAGCTCCTCCAGCACTTGTTATTTGTGGATTTATTAATGATGGCCATTCTGACTGGT	53618							

Majority	- - - - - AATGAAGAAATACT- - - - - X- TGTA- - - AAGTXATTTTTACACGTT- - - - - AAATTTG								
	80570	80580	80590	80600	80610	80620	80630	80640	
Human	- - - - - AATGAAGAAATACTGTTGAATTCTT- - AATGCCATATTTACACTTT- - - - -	AAACTTG	64515						
PolarBear	- - - - - CATGAAGAAATACT- - - - -	GTT- - - GAGTTCTTATTTACGTT- - - - -	AAATTTG	25171					
Cow	A- - ATACAGCCATTAAAATAGT- CATACTGAAGTAATATA- AAAATTCTCTTTCAAACATC- - - AAGTGTGAAAAATACG	60451							
Dog	- - - - - AGAGAAGAAATACT- - - - -	GTT- - - GAGTT- - TATTTACGTT- - - - -	GAACTTG	55524					
BelugaWhale	- - - A- - - - - TACATATT- - - - -	AGTGTATACATGTCAATCCAATCTCCC- - - - -	AGTTCA	55448					
Donkey	- - - - - T- - ATC- - - - -	AGAGAGGTCTTTTCATAACCTTT- - C- - - - -	AACTAG	61054					
Cat	- - - - - AATAAAGAAATACT- - - - -	GTT- - - GAGTT- - ATTTACACGTT- - - - -	AAACTTG	62489					
Ferret	- - - - - AATGAAGAGATACTA- - - TACTGTA- - - GAGTTGTTATTTTCATGTT- - - - -	AAATTTG	62953						
Lion	- - - - - AATAAAGAAATACT- - - - -	GTT- - - GAGTT- - ATTTACACGTT- - - - -	AAACTTG	59971					
Vaquita	- - - A- - - - - TACATATT- - - - -	AGTGTATACATGTCAATCCAATCTCCC- - - - -	AATTCTG	56797					
Pig	GTGAGGTGGTATCTCATGGAACACACCCTCACACCATGCACAAAATAAACTCAAATGGCTGAAAGACTTAAATATACG	53698							

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Majority	----- ATAGAAACAXTGAAAAGTXAACAGATAAAACAT----- GTAATAGTATT- AGTCATA----- GG								
	80810	80820	80830	80840	80850	80860	80870	80880	
Human	----- ATGGAAACAGT	GAAATGTTAAGAGACAAAACAT-	----- ACATAATGGGTGG-	AGGCATATG-	----- GG	64653			
PolarBear	----- ATAGAAACAGT	GAAAAGTGAACAGGTAACAT-	----- GTAATGGAAAGT-	AGTCATAA-	----- TG	25312			
Cow	TA	CTTCTTCTAATAAAAAAATCAACAATATATTCTCCTGTTGTGTAGTTTGTCCAAG	60684						
Dog	----- ATAGAAGCAAT	GAAAAGTGAATAGACCAAAC-	----- GTAACAGGAGT-	AGTCATAG-	----- GG	55661			
BelugaWhale	----- A-	TTAAAGGAACGGGTTTTCTTTTTTTAGAGTGG-	----- GAATATTTT-	AATTAT-	----- AA	55556			
Donkey	----- TCTCTGCTACTTTTCTAGAACCTAGCATAAGGTAT-	----- GGCATATTGTA-	AATATTA-	----- GG	61228				
Cat	----- ACAGAAACGGT	GAAAAGTGAACAGGTGAAACAT-	----- GTAATGGGATT-	AGTCATAT-	----- GG	62629			
Ferret	----- ATAGAAACAGT	GAAAAGTGAAGAGGCCAAAACAC-	----- GTAACGGAAGT-	GGTCATA-	----- TG	63094			
Lion	----- ACAGAAACGGT	GAAAAGTGAACAGGTGAAACAT-	----- GTAATGGGATT-	AGTCATAT-	----- GG	60111			
Vaquita	----- A-	TTAAAGGAACGGGTTTTCTTTTTTTAGAGTGG-	----- GAATATTTT-	AATTAT-	----- AA	56905			
Pig	AAAGGAAACCAAAAAGAAAACAAAAGACA	ACTTACAGAATGG-	GAGAAAATAGTTTCAAATGATGCAA-	CGGACAAGG	53931				

Majority	GTTTTTTCT-- ATA-- ATATTATAGCCTGTCTCTTAAAAAA----- CAATTTA----- AAC-- G--								
	80890	80900	80910	80920	80930	80940	80950	80960	
Human	ATTTTTTTT--	GAAGCATATTGTAGTGGCCTTTTAAAAAA	----- CAATTTA-----	AACTAGA--	64706				
PolarBear	GATTTT-----	ATAGCCTGTCTGTTGAA-----	CAATTTA-----	AACTGGG--	25349				
Cow	CTTCTGTCTAGCTGGAGTATAAATGGCGATTATATAGGAAGAGAAAAAACATAACAGCAGCATATTTTTTTATATGCTT	60764							
Dog	TTTTTTTCA--	ACAC- ATATTATAGCCTATCTCTTAAAAAG-	----- CAATTTA-----	AACTAGG--	55713				
BelugaWhale	GCTTTATAT-----	ACATAAGGAGCTGTTATAGAGGTT-----	55589						
Donkey	GTTTTTTTC-	ATCCCATGTCATAGCTTTCCAGCACCTGG- TG-	TGCTGCA-----	61276					
Cat	GTTTTTTTCA--	ATG- ATATTATAATCTGTCTCTTAAAAAA	----- CAATTTA-----	AAC-- G--	62677				
Ferret	GATTTTTTT--	CAAT- ATATTATAGCGTGTCTCTTAAAAAA	----- CAATGTA-----	AACTAGG--	63146				
Lion	GTTTTTTTCA--	ATG- ATATTATAATCTGTCTCTTAAAAAA	----- CAATTTA-----	AAC-- G--	60159				
Vaquita	GCTTTATAT-----	ACATAAGGAGCTATTATAGAGGTT-----	56938						
Pig	GCTTAATCT-	CTAGAATATATAAACAACTTACACAATCCAACAGCAAAAAGCCAATCAATCAATGGAAAATGGGCAA	54009						

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Majority	- AAGAATTTTCTAT- - - - - AAAATTTATTA- - - - - TGXTTATTXAXATTTTGTC- - - - - TTA- - - - -									
	80970	80980	80990	81000	81010	81020	81030	81040		
Human	- AGAAATTTTCTGT-	- - - - -	AAAATTAATTT-	- - - -	TGCTATTTCTTTGCATTTTGTC-	- - - - -	TTA-	- - - - -	64755	
PolarBear	- AAGAATTTTCTAT-	- - - - -	AAAATTTTTTT-	- - - - -	TG- - -	TATTCACATTTTGTC-	- - - - -	TTA-	25393	
Cow	TATATGCCTTTTTCTGTGCTTTATAAATTCATGATACTTGCACACATGGTCTTTTATC-	- TAATCCTTACAATAATCCT 60842								
Dog	- AAGAATTTTCTAT-	- - - - -	AAAATTTATTT-	- - - - -	TGGTTTTCTCTTTTTTTGTC-	- - - - -	TTA-	- - - - -	55760	
BelugaWhale	- - - - TACTTTTTCC-	- - - - -	ATAACAGGGCA-	- - - - -	CTCTTGATTATATTTTAGTC-	- - - - - 55630				
Donkey	GATAGGTCTCTTCCCA-	- CCTTTCAACTAGCCATGAACATGTCAGTATATTATGGAATGAGTTGGTTCTA-	- - - - - 61344							
Cat	- AAGAATTCGCTATG-	- - - - -	AAAATTTATTC-	- - - - -	TGG- -	TATTCACATTTTGTC-	- - - - -	TCA-	62723	
Ferret	- AAGAATTTTCTAT-	- - - - -	TAAATTTATTT-	- - - - -	TGG- -	CATTTATGTTTTTC-	- - - - -	TTA-	63191	
Lion	- AAGAATTCGCTATG-	- - - - -	AAGATTTATTC-	- - - - -	TGG- -	TATTCACATTTTGTC-	- - - - -	TCA-	60205	
Vaquita	- - - - TACTTTTTTC-	- - - - -	ATAACAGGGCA-	- - - - -	CTCTTGATTATATTTTAGTC-	- - - - - 56979				
Pig	AAGACAT- TTCTCCAAAGATATACAGATGGCCA- ACAAACACATGAAAAATGCTCATCATTGCTGATTATAAGAGAAAT	54087								

Majority	- - - - - ATCATTATATTTTA- - - - - CTTGTTCTACAATG- GA- - TTTGAC- - - - TCACCTXACATA- - - - -								
	81050	81060	81070	81080	81090	81100	81110	81120	
Human	- - - - - ATCATTATATTTTA- - - - -	- - - - -	CTTTGTACCACAATG- GA- -	- - - - -	CTTGAG- - - -	CCACCTAATA-	- - - - -	- - - - -	64803
PolarBear	- - - - - ATCATTATATTTCA- - - - -	- - - - -	CCTCATTCTACAATG- GA- -	- - - - -	TTTGAC- - - -	TCA-	- - - - -	- - - - -	25434
Cow	GCAAG- - GAAGCATGGCAGCCATTGTCA-	- - - - -	TCTGTCTTCCAGATTCTGAGATTAGAAAATATTAATAAATTGTTCAAG	60917					
Dog	- - - - - ACCATTATATTTCA- - - - -	- - - - -	CTTTGTTCTCCAGTG- GA- -	- - - - -	TTTGAC- - - -	TCACCACACACACAGA	55816		
BelugaWhale	- - - - - T- - - -	- - - - -	GTTTCAGTTACTTT- - - - -	- - - - -	CCTTCTTCAACAGTGTGA-	- - - - -	CAATTAATAATAGTCATA	55680	
Donkey	- - - - - AACTTTGTAAATCAGTTCCTACGTTTTTATGCTTATTA- AAA-	- - - - -	TGGTC- ATGTAAAATTAAGGCAAGGA	61411					
Cat	- - - - - ATCATTATATTTCA- - - - -	- - - - -	CCTGTTCTACAATG- GA- -	- - - - -	TTTGAG- - - -	TCACCTCCATA-	- - - - -	- - - - -	62773
Ferret	- - - - - TTCATTATTTTTCA- - - - -	- - - - -	CCTCATTCTGCGATG- GA- -	- - - - -	TTTGAC- - - -	TTACCTCACAGAA-	- - - - -	- - - - -	63242
Lion	- - - - - ATCATTATATTTCA- - - - -	- - - - -	CCTGTTCTACAATG- GA- -	- - - - -	TTTGAG- - - -	TCACCTCCATA-	- - - - -	- - - - -	60255
Vaquita	- - - - - T- - - -	- - - - -	GTTTCAGTTACTTT- - - - -	- - - - -	CCTTCTTCAACAGTGTGA-	- - - - -	CAATTAATAATTCATA	57029	
Pig	GCAAATTAAGTATTATTAATATAATGAAACTTTTTGTTCTTGATTTTGAAATTTTTCATGACTAGCTGAAGTTAGATAT	54167							

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Majority	-----T-----X-XTGAA-TGATTTATAACTT---AAGATGAAATTTTACAGTTTT---								
	81290	81300	81310	81320	81330	81340	81350	81360	
Human	-----T--GTGCAAAGTGATTTATAAGTT---AAGATGGAATTTTACAGTTTCCTT								64940
PolarBear	---T-----GAGTGAA-TGATTTATAAATTT---AAGATGAAATTTTACAGTTTT---								25559
Cow	TAATTTAAATATTTGCAGGTTTTTAAAATTGAAAGTATATTAGCACATATATTTAACTGGTTATATTTTATATTTAAGTA								61155
Dog	---T-----GAGTAAAGTGATTTATAAC-----AAGATGAAATTTTACAGTTTT---								55956
BelugaWhale	---T-----ATTAATATAGGTCT-----GGTTTTACACACTTAA---								55769
Donkey	-----T-GCCTTCAAGTTTTGAGGAAGAAAATTTACGGTATT---								61565
Cat	-----TGAG-TGATTTATAACTT---GGGATGAAATTTT-AGTTTT---								62906
Ferret	---T-----GAGTGAAGTGATCTATAACTT---AAGATGCAATTTTACAGTTCT---								63372
Lion	-----TGAG-TGATTTATAACTT---AGGATGAAATTTT-AGTTTT---								60387
Vaquita	---T-----ATTAATATAGGTCT-----GGTTTTACACACTTAA---								57116
Pig	T--TTCACTCTGTTGTTAACTATGCGTCCTATGTCTTTACT-GTGTATCTTTTCTGATGTTTTTGTGTACTCTTCAA								54401

Majority	--ATTTGCTGTGTTTAGGAAXX-----TCTTGATATCTAATAT-----XTGTAA-----GATT								
	81370	81380	81390	81400	81410	81420	81430	81440	
Human	TTATTTGATGTATTTCTTGA-----TT---TCTAGTAT-----TGGTAA-----GATT								64980
PolarBear	--ATTTGCTGTGTTTGGGAAAT-----TCTTGATTTCTTATATA-----TTTGTA-----GATT								25607
Cow	GCACCTTCTATTTAAAGACA-----GTAGTATTTGTGGAAAACAATATACATACAGCTAGTGTAGCAAAGAAAAGAGT								61228
Dog	--ATTTGCTGTGTTTGGGAAAT-----TCTTGATTTCTGACAT-----GTGTAA-----GATT								56002
BelugaWhale	--TCTTGGTCTGCATAGATA-----T-CAG-----								55791
Donkey	--CTTCAAAGTGTGGTCCTA-TG-----TTCTTGTTATATAGATTGC-----TTATACAA-----AAT								61615
Cat	--ATTTGCTGTGTTTCAAGAGT-----TCTTGACATTTGATAT-----TTGTAA-----GATT								62952
Ferret	--ATTTGCTGTGTTTGGGAAA-----TTGATTTCTTATATA-----TGTGTAA-----GATT								63417
Lion	--ATTTGCTGTGTTTCAAGAAAT-----TCTTGACATTTGATAT-----TTGTAA-----GATT								60433
Vaquita	--TCTTGGTCTGCATAGATA-----T-CAG-----								57138
Pig	ACTTCCCTTTGCATAGACAAATTCGAGAAGTCTTTCTGCAAATTAAGTTGAGCTTTAACTGT-CAG--AAATATTGCAT								54478

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Majority	AT- - - CTTTAAATCATX- - - - - TTTGTGXCATATGGAACCC- - - - AATATTGATGAXTTATAAACT- AGCT								
	81450	81460	81470	81480	81490	81500	81510	81520	
Human	AT- - - CTTTAAAGTCATG- - - - - ATTTTATATATATGGAACCTC- - - - AAAATTGATAGTTGACAAACT- AGCT								65040
PolarBear	AT- - - CTTTAAATCAGA- - - - - GTTCTGTCCATATGGAACCC- - - - AAAATTGATGAGTTATAAACT- AGCT								25667
Cow	ATGGAATTTGATCCCTT- - - TCCGGGCAACTTTTA- TTATGTACAGCTTTTC- - - ATTGTTGA- - GTTTTTTGTGAGAGT-								61299
Dog	AT- - - GTTTAAATCAG- - - - - TTTCTGTCCATATGGAACCC- - - - AAGATTGATGAATTACAAACT- AGTT								56060
BelugaWhale	- - - - - GCTTGATCTATT- - - - - T- ATGT- - - - - ATTGTTAT- - - - -								55816
Donkey	GGGAGTCTCAGACCAT- - - - - CCTGAATTAACCTTAGCAT- - - - - AATTTTGGGGATTGGGAGCCCAATAC								61675
Cat	TT- - - CTTTAAATCAG- - - - - AGTGTGTCCATATGGAACCC- - - - AAGATTGAGGAGTTAAAAACT- AGCT								63010
Ferret	AT- - - CTTTAAATCAGC- - - - - ATTCCTGTCCATATGGAACCC- - - - AAGATTAATGAGTTATAAACT- AGCT								63477
Lion	TT- - - CTTTAAATCAG- - - - - AGTGTGTCCATATGGAACCC- - - - AAGATTGAGGAGTTAAAAACT- AGCT								60491
Vaquita	- - - - - GCTTGATCTATT- - - - - T- ATGT- - - - - ATTGTTAT- - - - -								57163
Pig	ATATAGTTTAAATTTTTCTGTTAGCTCATTTGTAGTCATCTTAACCTCCACCAACTATTGACAGTACCTAGACTTCTTT								54558

Majority	CTTACAGTTT- - AGTTTATGTCCCTCAGTC- - A- - - AGAAAAAXCATTTTATAATTAAGTAGTTCTTGGA- - - - - AAT								
	81530	81540	81550	81560	81570	81580	81590	81600	
Human	TTTACAATTT- - AGTTTATGTCTGTCTCATTTCAA- - AAGAAAAAATAG- - TATAATTAAGTAGTTATTGGA- - - - - AAT								65107
PolarBear	CTTAGAGTTC- - AGTTTATGTCTCTCAGTCAGA- AAAAAAAAAAGCATATTATAATAAAGTAAT- CTTGCA- - - - - AGT								25736
Cow	CGTACTTTTTCTAATTTTTATCTCT- - - TAAAATTGCTGATATACTTTATTCACTTTTACAGGCCCTAGATGGTCAGAAT								61376
Dog	CTTACAGTTC- - AGTTTATATACCTCAGTCAGATAAAGAAAAACCATCTTATAATGAAGTAATTCTTGGA- - - - - AGT								56131
BelugaWhale	- - - - - C- - - - - AGAAGAATTGTTTTCATTTTTGAGGT- - - - -								55843
Donkey	TCTGTTGTTTTTTGTTTTTTGTTTTGAAGTTGT- - - GGAACCCACAGC- TATATCAAAGCAGCTT- - - GAGTGACAGAGC								61748
Cat	CTTACAGTTT- - AGTTTGTGTCCCTCAGTC- - - - - AGAAAAAGCAT- - TATAATGAAGTAATTCTTATA- - - - - AAT								63073
Ferret	CTTAGAGTTT- - AGTTTATGCCCTCAG- - - AA- AAAGAAAAAGTGTATTATAATGAAGTAATTCTTGCA- - - - - AGT								63544
Lion	CTTACAGTTT- - AGTTTGTGTCCCTCAGTC- - - - - AGAAAAAGCATATTATAATGAAGTAATTCTTAGA- - - - - AAT								60556
Vaquita	- - - - - C- - - - - AGAAGAATTGTTTTCATTTTTGAGGT- - - - -								57190
Pig	CCTTATGTTTTCAGCTCTTGTTCCCTCTCTTCTGTTGCTAATAGGCAGTTTTCATTTACATTGTTTGCTGATTTCTCTAAC								54638

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Majority	AGATATA- TATTTACTGTA- - - - - GATATGTAACAXTTGTGXTTTC- - - - - AATTATAAATATGTAGTA- -								
	81610	81620	81630	81640	81650	81660	81670	81680	
Human	ATTTA- - - - CTTCCC- - A- - - - - ATATATAACAGTCATGCCATC- - - - - AGTTTGTGAATATGAAATC- -								65159
PolarBear	AGATACA- TATTTACTATA- - - - - GATATATAACAATTGTGCTGT- - - - - TATAAATATGTAGTAAA								25792
Cow	ATTTATAATGCTTGCTGTACCCTAAGGATTGATTTTTCCAAGCTTGTGAATTTGAATGTAAAATACAACAATGATAAAAG								61456
Dog	AGATATA- TATTTACTGTA- - - - - GATATGTAACAGTTCTGCTATC- - - - - TGTTGTAAATATGTAGTAA-								56190
BelugaWhale	- - - - - G- - - - AATTATAGAGCT- - - - -								55856
Donkey	CAACCAAACCTTTCCATA- - - - - TGCTAGTTGTGTTCTTTAGCAATTACTTCAGATAATTGG- AGT								61809
Cat	AGATTTA- TATTTATTGTG- - - - - GATATGTAACAATGGTGTTC- - - - - CA- - TTGAAAGTGCAGTA- -								63129
Ferret	AGATATA- TATTT- TTGTA- - - - - GATATGTAACACTTGAACATC- - - - - CATTATAAATATGTAGTAA-								63602
Lion	AGATTTA- TATTTATTGTG- - - - - GATATGTAACAATGGTGTTC- - - - - CA- - TTGAAAGTGCAGTA- -								60612
Vaquita	- - - - - G- - - - AATTATAGAGCT- - - - -								57203
Pig	TCTTGTA- TCTTTGTTATACTATGTATCTTCGGTCTACATAATTT- TGTTTT- - - TTTTAATTAGAAGAATGTGCAATG								54713

Majority	T- - - - TAA- - - - - GTGATAT- - - ATCTXTGAACAGA- - - - - GACACC- - - - - TAATGC- - - - A								
	81690	81700	81710	81720	81730	81740	81750	81760	
Human	T- - - - GTAA- - - - - GTGGTAT- - - ATATGTAGAGAGAGATACTCTAAGGCAGTTGG- - - TATT- - TGATTCTGGTAA								65219
PolarBear	T- - - - AATAA- - - - TATGTAGTAAT- - AAACATGAACAGA- - - - - GACACC- - - - - TTATGC- - - - A								25835
Cow	TAGGGATTATACTCGACCTGATCTTCCATCTGGGGATGGACAACCTGCATTGGACCCAGCTATAGCTGCAGCATTG- - -								61533
Dog	T- - - - GTAA- - - - - GTGATAC- - - ATCCATGAACAAA- - - - - GACACC- - - - - TGATGC- - - - A								56228
BelugaWhale	- - - - - A-								55857
Donkey	TTCTTCCC- - - - - CTTAGCATTGCTTTATAAGAAA- - - - - AGAGC- - - - - AACTCA- - - - -								61852
Cat	- - - - - TAA- - - - - GTGATAC- - - ATCTGTGAACAGA- - - - - GACACCC- - - - - TAATGC- - - - A								63166
Ferret	T- - - - GTAA- - - - - GTGATAA- - - ATCCATTAACAGA- - - - - GACACC- - - - - TTATACTATAAA								63645
Lion	- - - - - TAG- - - - - GTGATAC- - - ATCTGTGAACAGA- - - - - GACACCC- - - - - TAATGC- - - - A								60649
Vaquita	- - - - - A-								57204
Pig	TTTCTAGAAGGCTCT- CTTAACATTTAGCGTATTCAATTGCAGA- - TACTCGGCACTCAGCCTCTTTAAGAGAATTTCGGCT								54790

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Majority	ATCATGAX- - - - - TTT- AACAGATTCTTAAGGTTGTX- - A- - - - - ATATTC								
	81930	81940	81950	81960	81970	81980	81990	82000	
Human	ATTATGAC- - - - - TGT- AGTAGATGCTTTAGGTCAC- - - - - TACACTC								65355
PolarBear	ATCATGAT- - - - - TTT- AACAGATTGTTCAAGTTAAT- - A- - - - - ACATTC								25975
Cow	ATGAATACTGTTGGAAGAAAAACCTAAATTTCATAAGTATAATTAAGTTGTGTACATTGCTTTTACCTATCTCATCTTC								61770
Dog	ATCATGAT- - - - - TTT- AACAGATTCTTTAG- - - - - CATTTC								56358
BelugaWhale	ATTCT- - - - - T- CTAATGAAAAATTAACAGTGTG- - - - - TTC								55934
Donkey	ACACCTAATGAGTCTTGG- - - - - TGTCTGTAAACATCAGGCTTGATCTATG- - - - - CGTGTGTTG								62029
Cat	ATCATGAC- - - - - TTTAACAGAGTCTTAAGGTTGGT- - A- - - - - ATATTT								63307
Ferret	ATCATGAT- - - - - TTT- AA- AGATTCTTTAGGTTAAT- - A- - - - - ACATTC								63782
Lion	TTCATGAC- - - - - TTT- AACAGAGTCTAAAGGTTGGT- - A- - - - - ATATTT								60784
Vaquita	ATTCT- - - - - T- CTAATGAAAAATTAACAGTGTG- - - - - TTC								57281
Pig	CTGCTCATCTTTGAT- - - - - A- TTCGTATATTGGGTCGAGACAGTG- - ATTCTGTTAGGTGCCTTAGCATTTC								55010

Majority	TTTTCTGACAG- - - - - AATCTCTA- T- - - - - CACTGTG- - - - -								
	82010	82020	82030	82040	82050	82060	82070	82080	
Human	TTTCCTGACAG- - - - - AATCTCTACTAC- - - - - CTCTGTG- - - - -								65385
PolarBear	TTTTCTGACAG- - - - - AATCTCTTAT- - - - - CACTGTG- - - - -								26003
Cow	TCTCCAAAATAGAAGAGGAAAAGCTCTAATGAAAAATACTGTTGAGTTCTTAATAAACATTTACACTTTAAAGTCAT								61850
Dog	TTTTCTGACAG- - - - - AATTTCTA- - - - - TACTGTG- - - - -								56384
BelugaWhale	CC- - - - - CTGTT- - - - - C- - - - -								55942
Donkey	TTATCAGA- AG- - - - - AAGTGTTGTTTCATTTATACAGTAATTTATAGATCTAAACATGT- - - - - TCAT								62087
Cat	TTTTCTGACAG- - - - - AATCTCTA- T- - - - - CACAGTG- - - - -								63334
Ferret	TTTTCTGACA- - - - - ATTCTCTTAT- - - - - CACTGTG- - - - -								63809
Lion	TTTTCTGACAG- - - - - AATCTCTA- T- - - - - CACAGTG- - - - -								60811
Vaquita	CC- - - - - CTGTT- - - - - C- - - - -								57289
Pig	CCTATAGGAAT- GAGTAAGGGAAGACCTATTTTCAGTGCTTTGTTTGCCTTTACAGCAGAGAATTG- AATTAATACTTAA								55088

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Majority	----- T-- GG- ----- GTTTATTTTAAGCCTTTATTCCCTC----- AACTTGGCTTGTTX----- AXTT-							
	82090	82100	82110	82120	82130	82140	82150	82160
Human	----- T-- GT- ----- GTCTAGCTTAATTTCGTAATT-- C- ----- AAGTTAATAAGATT-----	65423						
PolarBear	----- T-- GC- ----- GCTTAGTTTTAAACCTTTATTCCCTC----- AACTTGGCTTGTT-----	26044						
Cow	GCTATCTAGAAGCCATTGTGCATATTCAGTCTTAATTGTTTCAGTTAGATTGGAAAACCAATCTGATT-- GTTTCAGTTT	61928						
Dog	----- T-- GG- ----- GCTTAGTTTTAAGCCTTTATTCCCTC----- AACTTGGCTTGTTA----- AGTT-	56430						
BelugaWhale	----- TCTAG- ----- TTCGTTCCAGGTTTCTATC-----	55966						
Donkey	CATTTCTGACTG-- - TTGTATACAGTAAGTCTTTGTTCTTCTAAT----- GAAAAATTAATACATTC-- - CCCTGTT-	62153						
Cat	----- T-- GG- ----- GCCTACTTTAAGCCTTTACTCCCTT----- AACTTGGCTTCTTA----- AATT-	63380						
Ferret	----- T-- GG- ----- GCTTAATTTAAACCTTTATTTCCCTC----- AGCTTGGCTTGTTA----- AGTT-	63855						
Lion	----- T-- GG- ----- GCCTACTTTAAGCCTTTACTCCCTT----- AACTTGGCTTCTTA----- AATT-	60857						
Vaquita	----- TCTAG- ----- TTCGTTCCAGGTTTCCATC-----	57313						
Pig	TTACTCTGGCTGAGAGAGTTGGTCCTCGGCTTTCATT- CTCATGTGATGATAGGTACCTTCCCTAATTCAAATATAATTC	55167						

Majority	----- GAXTATTTTCGTAGTGTGC- CATTTTTA- XT-----								
	82170	82180	82190	82200	82210	82220	82230	82240	
Human	-----	-----	-----	-----	-----	-----	-----	-----	65449
PolarBear	-----	-----	-----	-----	-----	-----	-----	-----	26070
Cow	AGCCCTGCACAAAAA-- - AAACCCAGAAAGTTAACAGAGGC- AGCATATAATGGGAGTAGGTATATGGATTTTTCAAAC	62004							
Dog	-----	-----	-----	-----	-----	-----	-----	-----	56456
BelugaWhale	-----	-----	-----	-----	-----	-----	-----	-----	55989
Donkey	-----	-----	-----	-----	-----	-----	-----	-----	62183
Cat	-----	-----	-----	-----	-----	-----	-----	-----	63406
Ferret	-----	-----	-----	-----	-----	-----	-----	-----	63890
Lion	-----	-----	-----	-----	-----	-----	-----	-----	60883
Vaquita	-----	-----	-----	-----	-----	-----	-----	-----	57336
Pig	AAATCCTGATGTGTATGTAATCCTTTTAAGTGAGTTTTACCAGTATTGTATTGAACTAGGTGAACTTGTGTTTTAGAT	55247							

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Majority	----- AAAGGT----- X- X----- X- A- XAA-----								
	82250	82260	82270	82280	82290	82300	82310	82320	
Human	----- AAGGC----- AA-----								65456
PolarBear	----- AAGGT----- AA-----								26077
Cow	ATATCGTAGTCTTAAAACACAGGTTTAACTAGGA-- - AGAATTTTATATAAAAATTTTTTTTGGTATTTATTTGCATTTTG								62081
Dog	----- AAGGT----- AA-----								56463
BelugaWhale	----- ATATAGGAACAGAAAAA----- ACATAA-----								56013
Donkey	----- GGAGTAGAAATGATGATTATATAGAATCAGTGGGAAAAAACATAAT-----								62229
Cat	----- AGGT----- AA-----								63412
Ferret	TTATT- TATTTATTTTTTAAAGATTTTATTTATT- - - - TATTTGACAGAGA-----								63936
Lion	----- AGGT----- AA-----								60889
Vaquita	----- ATATAGGAACAGAAAAA----- ACATAA-----								57360
Pig	TAGTTTTAGCTTGGTAAATATATTCATGTAAAACACTCAGTTTTGTATATTAAGAGTTTTCTTTCAGAGTGGGAATATT-								55326

Majority	---- AGTCAX----- GAGTAX- - X- XGAGACATTTA- - GTGATA-----								
	82330	82340	82350	82360	82370	82380	82390	82400	
Human	---- AGTCAG----- GAAT----- GAAAGA----- GTGAAA-----								65478
PolarBear	---- AGTCAA----- GAGT----- GAGACAATCA- - GTGATA-----								26103
Cow	TCTTAGTTATTATATTTTACCTCATTGAGCAATGGGTTTGACCCACCTAATAAAAAAACACAAATATTTGCAACTAATA								62161
Dog	---- AGTCAA----- GAGT----- GAGACAATGA- - GTGATA-----								56490
BelugaWhale	-- T- AATCAT----- AACAGCAGCACAGTCCTTTT- - ATAATTC-----								56047
Donkey	---- AATCAT----- AACAGCAGCATAGTCTTTT- - ATAATTT-----								62261
Cat	---- AGGCAA----- GAGT----- GAGACA----- GTGATA-----								63434
Ferret	---- GATCAC----- AAGTAGACGAAGAGGCAGGCA- - GAGAGAGAGAGAGAGAGAGG- GAAGCAGGCT								63993
Lion	---- AGGCAA----- GAGT----- GAGACAATGA- - GTGATA-----								60915
Vaquita	-- T- AATCAT----- AACAGCAGCACAGTCCTTTT- - ATAATTC-----								57394
Pig	-- TTAATTAC- AAGCTCTATACTTAAGCAGTTATAGAGGCTTTTTCCATAACAG- - - - - GACATTCTTGACTATTT								55396

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Majority	----- XX-XX----- CATGATCTTTGA-----								
	82410	82420	82430	82440	82450	82460	82470	82480	
Human	----- CATGGTTTTTGC-----								65490
PolarBear	----- CATGATCTTTGC-----								26115
Cow	GTTGACAGAGTCAAGATGAAGAAAAAATAACAGAAAATGTTATTTTGTAAAGTAAAATAAGTGATTTATAACTTCAGATGA								62241
Dog	----- CAAGATCTTTGT-----								56502
BelugaWhale	---- ATATATCTTACAT----- ATGTG-----								56065
Donkey	----- ATGATGTGCTTTTACATATGTGATCTTTTGG- T----- T---								62294
Cat	----- CATGATCTTTGA-----								63446
Ferret	TCCTGCCGAGCAGAGAGCCCGATGCGGGACTCGATCCCAGGACCCTGAGATCATGACCTGAGCCGAAGGCAGCGGCTTAA								64073
Lion	----- CATGATCTTTGA-----								60927
Vaquita	---- ATATATTTTACAT----- ATGTG-----								57412
Pig	TTAAATTTGCTTTAGTT- - ACTTTATTTGGTCAACAATATG- - - - GCAATTAAAATA- GTCATACAGGG- - - GAGTTCC								55465

Majority	-----								
	82490	82500	82510	82520	82530	82540	82550	82560	
Human	-----								65490
PolarBear	-----								26115
Cow	CATTTTAGTTTTCTTTTGTGAATTCAGGAAATTCCTGGTTTCTGAAGTTTGTAAAGATT- ATCATTAAATGAATGT- TTC								62319
Dog	-----								56502
BelugaWhale	-----								56065
Donkey	-----								62294
Cat	-----								63446
Ferret	CCCACTGAGCCAGCC- - - AGGCGCCCCATAATGTGCCATTTTTAAAGGG- - - - AAAGTT- AAGAGTGAGACAATGAGTGA								64145
Lion	-----								60927
Vaquita	-----								57412
Pig	CATCCTGGCTCAGCGGAAATGAATCC- GA- - - - CTAGCTTCCATGAAGACGCAGGTTT GATGCCTGATTCAGTGGTTA								55539

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Majority	----- TTATAATTATTA- - CTGTAGA- - - - TTCTTA- AATT- - - TTTACTGATA- - - - - - - - GAAAX									
	82570	82580	82590	82600	82610	82620	82630	82640		
Human	----- TTATAATTATTA- - CTATAGA- - - - TTATTA- AACTC- - - TTTACTGATA- - - - - - - -								65530	
PolarBear	----- TTATAATTATTA- - CTGTAGA- - - - TTCTTA- CATT- - - ATTTACTGATA- - - - - - - - GAAAT								26160	
Cow	TGGACGTATGGAACCCAAGATTGATGAATCGCAAACCTTGTTCTTAGAGTTTAGCTTATTGCTATTATTCAGTTGCTAAGT								62399	
Dog	- - - A- - - - - - - - ATTCTTACTTGCT- - - - TGTAGA- - - - TTCTTA- AGTT- - - ATTTACAAATA- - - - - - - - GAAA-								56547	
BelugaWhale	-----								T- - - - - - - -	56066
Donkey	----- AATCCTCATAATAACCCTGTGAG- - GATTATGGCAGCCATTATCATCTCTGT- - - - - - - - TTTCCAGAT								62353	
Cat	----- TTATAATCCTTA- - CTGTAGA- - - - TTCTTC- AATT- - - CTTTACTGATA- - - - - - - - GAAAT								63491	
Ferret	TACAA- - - - - - - - GGTTATAGTTATTA- - CTGTAGA- - - - TTCTTA- AATT- - - ATTTACTGATA- - - - - - - - GAAA-								64196	
Lion	----- TTATAATCATT- - CTATAGA- - - - TTCTTC- AATT- - - CTTTACTGATA- - - - - - - - GAAAT								60972	
Vaquita	-----								T- - - - - - - -	57413
Pig	AGGATCTGGCGTGGCTGTGGCTGTGG- - - CGTAGGCCAGTGGTTACAGCT- - - CTGATTGA- ACTCCTAGCTTGGGAACC								55612	

Majority	- - - ATATXATTTTG- TATAG- - - - AAAAA- - - - - - - - AAAAAT- - - - - - - - CAACATTTATTG- - - - - - - - AA								
	82650	82660	82670	82680	82690	82700	82710	82720	
Human	- - - - - GACATTGTTTTAG- - - - - A- - - - - - - - AAGAAT- - - - - CAAAATTTATTG- - - - - - - - AG								65564
PolarBear	T- - GTATTATTTTG- TACAAGAGAAAAA- - - - - - - - AAAAAT- - - - - CAACATTTATTG- - - - - - - - AA								26206
Cow	ATTATCCAACCTCTT- TGTGTCCCATGGACTGTAGCATGCCAGGCTCCTCTATCCACTGTCTCCCGGAGTTTGATGAACA								62478
Dog	- - - - - TTATTTTA- CAGAA- - - - GAGAA- - - - - - - - AAAAAT- - - - - CAACATTTATTG- - - - - - - - AA								56585
BelugaWhale	- - - AAAATATACATATGTGCT- - - - - - - - - - - - - - - - - - T- - - - - - - -								56085
Donkey	TAAGAAAGATTTTG- - AGATTGAGAGAAG- - - - - - - - TTAAGTAACTTGCTCAACGTGACCTG- - - - - - - - AC								62408
Cat	G- - ATACGATTTT- - TACAG- - - AAGAGG- - - - - - - - AAACAT- - - - - CAACATTTATCA- - - - - - - - AG								63533
Ferret	- - - - - TTATTTTA- TATAG- - - - AAAAA- - - - - - - - AAAAAT- - - - - CTACATTTATTG- - - - - - - - AA								64234
Lion	G- - ATATGATTTT- - TACAG- - - AAGAGA- - - - - - - - AAACAT- - - - - CAACATTTATCG- - - - - - - - AG								61014
Vaquita	- - - GAAATATACATATGTGCT- - - - - - - - - - - - - - - - - - T- - - - - - - -								57432
Pig	TCCATATGCCACAGGTGTGGCCCTAAAAA- - - - GATTTTAAAAATATAGTGGGCA- TGTCCATTGTGGCCCTTTGGAAA								55687

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Majority	----- T----- TGTC----- AAGAA-- ATTCC----- AGCTAGCAT- CAAGCATA- GACCATAATAAT							
	83050	83060	83070	83080	83090	83100	83110	83120
Human	----- TACC-----	----- AAGAA--	ACTCC-----	----- AGCTAGTAT-	TAACAATG-	GACTACAATAAT		65783
PolarBear	----- T----- GTC-----	----- AAGAA--	ATTCC-----	----- GGGTAGCAT-	CAAGCACAAGACCATAACAAT			26411
Cow	TCCATCACTCTGTGG- GCTTAGTTT--	AAAGCTTTATTTTC--	CTCAACTTGGCTTGTAAG-	TA-	AATAATATTAAC			62859
Dog	----- T----- GTC-----	----- AAGAA--	ATTCC-----	----- AGCTAGCAT-	CAAGCACAGGATCATAATAAT			56782
BelugaWhale	----- CTGT-----	T-----	----- TTC-----	----- CAGA-----				56166
Donkey	----- TGTG-----	----- GCGTCAAACAGAAAGTTACCTTATAAAACTAGACCAATTCTTAT						62657
Cat	----- T----- ACC-----	----- AAGAA--	ATTCC-----	----- AGCTAGTGA-	CAAGCATAGGACCATAACAAT			63719
Ferret	----- T----- ATC-----	----- AAGAA--	ATTCC-----	----- AGTTACCAT-	CAAGCACA-	GACCTTAACAGT		64438
Lion	----- T----- ACC-----	----- AAGAA--	ATTCC-----	----- AGCTAGTGA-	CAAGCATAGGACCATAACAAT			61198
Vaquita	----- CTGT-----	T-----	----- TTC-----	----- CAGG-----				57513
Pig	AGCGTTGATCTACGCATGTTCTGTTATCAGAAGAAGTGTTCATTTTTGAGGTGATTTATAGAGCTA-	AAACATGTTCTT						56081

Majority	CACTTCC-- TTGGACT----- CGAAAGAXTX----- TX----- T--							
	83130	83140	83150	83160	83170	83180	83190	83200
Human	CACTTCT-- TTGGACC-----	-----	-----	-----	CTACTGAGGT-----	-----	-----	65807
PolarBear	CACTTCC-- TTGTAAT-----	-----	-----	-----	CGAAGGAGTT-----	T-----	TG-----	TGC 26441
Cow	AATTTTATGGTGTACCATTTTTTAAAGTCAAGAATGAGACAGTAATGAATGAATCATGGCCTTTGCTTGTAAATTGTTAC							62939
Dog	CACTTT-- TTGGACT-----	-----	-----	-----	CTACAGAGT-----	-----	-----	56804
BelugaWhale	--- TTCA-----	-----	-----	-----	GAAAGA-----	-----	-----	56176
Donkey	AAGTTAT- GCT-- ATCC-----	-----	-----	-----	ATCAAAAATA-----	-----	-----	62682
Cat	CAGTTCC-- TTGGACT-----	-----	-----	-----	CTTAAGGAGT-----	T-----	TG-----	TG- 63748
Ferret	CACTTCC-- TTGGACT-----	-----	-----	-----	CAGAGGAGT-----	-----	TG-----	TGC 64466
Lion	CAGTTCC-- TTGGACT-----	-----	-----	-----	CTTAAGGAGT-----	T-----	TG-----	TG- 61227
Vaquita	--- TTCA-----	-----	-----	-----	GAAAGA-----	-----	-----	57523
Pig	CATTTCC-- TGAAGTGTGTTT	GACACAGTAAATGTTTATTCTAATGAAAAATTAACAGTGTATTCCCCTGTTCTCTAG						56157

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Majority	TTT - - TTGCXCATTTGGGTATAGTTAG - - - AT - - - AXGGCTXAGTGTGTTTGGATTCTGGATGG- AGTCCXGGT - - TA								
	83210	83220	83230	83240	83250	83260	83270	83280	
Human	- - - - - GTGTGTATTTGCCCAT - - CTGG - - - AT - - - A TACTTAGATGTGCTTGGATCCTGGGTGGGAGGCTTGGT - - TA								65870
PolarBear	TTT - - TTGCCCATTTGGATATAGTTAG - - - AT - - - GTGTCTGTGTGTTTGGATTCTGGGTGG- AGTCCTGGT - - TA								26508
Cow	TATGAATTCTAATTTTTTACTGATAGA A CTTATAGAAAAGACAAAAATCAACATTTATTGAATAG- CTTCTAGATCCTA								63018
Dog	TTT - - GTGCCCATTTACGTATAGTTAG - - - AT - - - AAGCTGCGTGTGTTTGGATTCTGGGTAG- AGTCCTGGT - - TA								56870
BelugaWhale	- - - - - TTCTGAGATTC- - - - - A - - GAAAGGTTAAATA - - - ACTTGTTCAAGATGA- CCTTTCAACTCTA								56229
Donkey	CATGTATGATAAAATTA A CTTTAA - - AG - T - ATCGTGCAGGCTACTATGGTACTACTTTGGCAGG- ACTGACTATATTT								62756
Cat	TGT - - GTGCTCATTTGGGTATAGTTAG - - - AT - - - GTGCCTCTGTGTGTTTGGATTCTGGATGG- AATACAGGT - - TA								63815
Ferret	ATT - - TTGCCCATTTGGGTATAGTCA - - - - - TGTCTGTGTGTGTGGATTCTGGGTGG- AGTCCTGGT - - TA								64529
Lion	TGT - - GTGCTCATTTGGGTATAGTTAG - - - AT - - - GTGCCTCTGTGTGTTTGGATTCTGGATGG- AATACAGGT - - TA								61294
Vaquita	- - - - - TTTT GAGATTC- - - - - A - - GAAAGGTTAAATA - - - ACTTGTTCAAGATGA- CCTTTCAACTCTA								57576
Pig	TTTG- - TTCCAGGCTTCTGTCCAGCTGGA - - ATAGAAATGGTGATTATATAGGAACAGAAAAAAA- CATAAAAGTTGTA								56231

Majority	GAAGTCATG- TXXATTCTTCTAGGG- AATTCATCACTGTTTTCTTGT - - - AACCTCAT - - - - GGCCCTGGTGAAATT								
	83290	83300	83310	83320	83330	83340	83350	83360	
Human	GAAGTCACG- TGGATTCTTCTAGGG- AATTTATCACCATTTTTCTTGT - - - GATCTTAT - - - - GACCTTGCTGAAACT								65939
PolarBear	GAAGTCACT- TG- GGTCTT CAGGG- AGTTCATCACTGTTTTCTTGT - - - AACCTCAT - - - - GGCCCTGGTGAAATT								26576
Cow	GGGGTTCTG- CAAGGTA CTTGGCAG- - ATACATTATTTAATTCTTAAA - - GTAACCAAAGTAGAAGATGATACGAAGATT								63093
Dog	GAAGTCAGC- TGGATTCTTCTAGGG- AATTCATCACTGTTTTCTTGC - - - AATTT CAT - - - - GGCCCTGGTGAGATT								56939
BelugaWhale	GAGGT - - - - - GTACTCCTCT - - ATTCCAGA - - - ACTTTCTGG - - - - - GATGACGTTGAATTT								56278
Donkey	GTGGCCCTTACTAATTTTTTTAAATTA A CTTTGCAGGTTTTTTGA - - - - ATAAA - - - - AGTATTAGCACATTT								62825
Cat	GAAGTCATG- AAGATTCTTCTAGGG- AGTTCATCACTGTTTTCTTGT - - - AACCTCAT - - - - AGCCCTGATGAAATT								63884
Ferret	GAAGTCACC- TG- ATTCTTCTAGGG- AATTCATCACT - - CTTCTTGT - - - AACCTCAT - - - - GGCCCCAGTGAAATT								64595
Lion	GAAGTCATG- AAGATTCTTCTAGGG- AGTTCATCACTGTTTTCTTGT - - - AACCTCAT - - - - AGCCCTGATGAAATT								61363
Vaquita	GAGGT - - - - - GTACTCCTTCT - - ATTCCAGA - - - ACTTTCTGG - - - - - GATGACATTGAATTT								57625
Pig	ACAG- - CAG- CATAGTCCTTTATA - - - ATTCATGATGCACTTTTCCATATGTGATCTTTTATCTAGACCTCAGTAACCCT								56305

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Majority	TTT- - - - - TTTAAGTAATAXTAAAATX- - TGTTTT- - CTCAT- - - - - AAAXATTATGAAG- - - -								
	83370	83380	83390	83400	83410	83420	83430	83440	
Human	TTT- - - - - AAAACAATAATAAAGTCATTTTTTTT- - CTCTTT- - - - - GAGAT- - GGAATCTCAC								65989
PolarBear	TCT- - - - - TTTAATAATAATGAAAT- - - - - GTCTG- - - - - AATAATAATGA- - - - -								26613
Cow	TTATAGTCATTTCTAAGGAGTTTAAAATTT- - TACTTTGAACTCATTAAAGAAACAGTGGTAAAAGACCGAGAAATTTCA								63171
Dog	TTTTTTTTTTTTTAAGTAATAATGAAATAAATGTCTTT- - TTCATA- - - - - AAAGATTATGAAG- - - - -								56997
BelugaWhale	GCTTA- - - - - TTTAGCAAGTTA- - - - - TTC- - TGATTC- - - - -								56304
Donkey	GCTTAGCTGGTTTTATTTAGGTGTATGTAG- CACTTTCTATTTAAAGAAGA- - - - - T- AATATTTGTGGAAACT- A								62894
Cat	TTT- - - T- - - - TTTAAGTAATAGTAAAAC- - - - - ATTTTT- - CTCAT- - - - - AAAAAATATGAAG- - - - -								63930
Ferret	TCT- - - - - TTTAAGTAATAATGAAAT- - - - - GTCTTT- - CTCATT- - - - - AAAGATCACGAGT- - - - -								64641
Lion	TTT- - - T- - - - TTTAAGTAATAGTAAAAC- - - - - ATTTTT- - CTCAT- - - - - A- - - AATATGAAG- - - - -								61406
Vaquita	GCTTA- - - - - TTCAGCAAGTTA- - - - - TTC- - TGATTC- - - - -								57651
Pig	GTGAGAAAGCATGGTAGCTATTGTCATCTC- - TGTTTT- - - - - CTAGCTGCAGAAAGATT- - CTAAGATTGAGAAAGGTTAA								56378

Majority	- C- - XCTG- - - GC- - A- - - - TAATTA- ACAT- - - - - GTATCTTCCTCTATACTTTTCATTATTCATTTTTTCAGGTTTTCTG								
	83450	83460	83470	83480	83490	83500	83510	83520	
Human	TCTGTCGCCCGTGTGAGAGTGTGGTGGCGCAG- - - TCTCGGCTCACTGCAACTTCCGCCTCCCGGGTTCAAGCGATTCTC								66066
PolarBear	- - - - - ATT- - - - - GTATCTTCCTCTATACTTTTATTAGTCATTTTTTCAGGTGTTCTG								26660
Cow	GCTAGTTTCAAACATAGTACTTCCCTTAGACCC- - - GTAATCACTTCCCTGGGACCCTAAGAGCTATGTGTATTTGCCTATTG								63249
Dog	- C- - CCTG- - - GC- - A- - - - TAATTA- ACTT- - - - - GTATCTTC- TCTATACTTTTATCATTCATTTTTCAGGTGTTCTG								57058
BelugaWhale	- - - - - A- - - - - GGTTGAACAA- - - - - CCTAGGTTAAGGAAGATAATATTGGATTGGCCAAAATGTTTGTTG								56360
Donkey	ACACATGTACAGCT- GG- - - - - GATCACAAAGAACGATGTATATGAAATTTCTTTTCATTCTTTCTGGTGGCTTTTATG								62968
Cat	- C- - ACTG- - - GC- - A- - - - TAATTA- ACTT- - - - - GTGTCTTCCTCTGTACTTTTCATTATCCATTTTTTCATGTATTGTG								63992
Ferret	- C- - CCTG- - - GC- - A- - - - TAATT- - - - - TTATCTTCCTCTATACTTTTATTATTAATTTTTCAAGTGTTCTG								64698
Lion	- C- - ACTG- - - GC- - A- - - - TAACTA- ACTT- - - - - GTGTCTTTCTCTGTACTTTTCATTATCCATTTTTTCAGGTATTGTG								61468
Vaquita	- - - - - A- - - - - GGTTGAACAA- - - - - CCTAGGTTAAGGAAGATAATATTGGATTGGCCAAAATGTTTGTTG								57707
Pig	ACAACCTTGCTCACG- ATGACCTAATTGAATGTAGGCTTTCAACTCCATGGATTGCGCTCTTCTATTCCAAAACCTTTCTG								56457

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Majority	XXTT-----TXTTTGCACTAAAAGTGTATGAGTAAAGTTCA-----TTCACCTAATTAATAAAA-----TT							
	83530	83540	83550	83560	83570	83580	83590	83600
Human	CCGC-----C---	TCAGCCTCCTGAGCATCTGGGACTACAGGCCTGTACCACCACCCCTGGCTAA-----	CTTT	66127				
PolarBear	CATT-----T-	TTTGCATTAAGCAT--GAGTAAAGTT-G-----	TTCACCTAA---ATAAA-----	TT	26707			
Cow	GGGGGGTAGTTGATGAATTTATGTAT--	GTTTTTTGGATTCTGGTTGGAGTCATGGATTTGTCTATGGAGTTTATCATT	63326					
Dog	CATG-----T-	TTTGCCTAAAAGCAT--GAGTTAAGTT-G-----	TTCACCTACTTAATAAAA-----	TT	57108			
BelugaWhale	GGGT-----	TTTCCTTAA--GATGTTATGGA--AAACCCAA--	ATGAACTTATTGGCCAACCCAAGAGTT	56419				
Donkey	TGTAGG-----	TTTTCACTGTTGAGTTTTATTGTTAAAGTC-----	ATACCTTTTTCTGG-----	TT	63020			
Cat	TAT-----T-	TTTGCCTAAAAGCATATGAGTAAAGTTCA-----	CTCCTTAATAAATAAATGTGGCT-	AG	64051			
Ferret	CATT-----T-	TTTGCATTAAGCATATGAGTAAAGTT-G-----	CCCACTACTT-ATAAA-----	TT	64749			
Lion	TAT-----T-	TTTGCCTAAAAGCATATGAGTAAAGTTCA-----	CTCCTTAATAAAT---	GTGGCT-AG	61523			
Vaquita	GGGT-----	TTTCCTTAA--GATGTTATGGA--AAACCCAA--	ATGAACTTATTGGCCAACCCAAGAGTT	57766				
Pig	GGATGACATAGGACTTTTTTATTCAACGGTTTTTTCTGATT	CAGGTTCCA--CCATTG-CAGGTTAAGGAAAATAATAGTT	56534					

Majority	TGTCTTCX-----XTCTTCG-XCTCTATTTAAGTATTTTAGTAXA-----TCTTTXTTCTGCACTTT-XTTTAAT							
	83610	83620	83630	83640	83650	83660	83670	83680
Human	TGTCTTTT-----	TTCGTAGAGATGAGATTTACCATGTTGGCCAG--	GCTGGTCTGGAACCTCTGATCTC-	AGGTGAT	66198			
PolarBear	TGTCTTCA-----	TCTTCTAGCTCTATTCTGAATATTTAGTATA-----	TCTTTATTTCTGCAGTGT-	GCTTGAT	26772			
Cow	TTTCTTGTAATGGCCTTGTTGGAATTTCTTTTTTAGAGTAATAATAAATAAGAAATCTTTCTCATAAAAGATT-	ATACAAT	63405					
Dog	TGTCTTCA-----	TCTTCTAGCTCTATTTTGAATATTTAATATA-----	TCTT-GTTTCTGCACTCT-	GATTAAA	57172			
BelugaWhale	TTTGCTCA-----	TTTCATGGTAGTTGCTGTTATGCATCATAGTGAT-	ATTTAGTTGTCTTGAGGCACCTC-	ATTTAAT	56491			
Donkey	TTTATTCCTTGAGATTGCT---	GATATACTTTATTTCCCTTTTACAGGC-----	CCTAGATGGTCAGAATAT-	TTATAAT	63090			
Cat	TGTCTTCT-----	CCTTC--ACTCTGTTTTGACTATTTAATATA-----	TCTTTGTTTCTGCACTCTTGCTTGGT	64115				
Ferret	TGTCTTCA-----	TCT-----TCTATTTAATATTTAGTATA-----	TCTTTATTTCTTCACTCT-	GCTTGAT	64808			
Lion	TGTCTTCT-----	CCTTC--GCTCTGTTTTGACTATTTAATATA-----	TCTTTGTTTCTGCACTCTTGCTTGGT	61587				
Vaquita	TTTGCTCA-----	TTTCATGGTAGTTGCTATTATGCATCATAGTGAT-	ATTTAGTTGTCTTGAGGCACCTC-	ATTTAAT	57838			
Pig	TTTGCTCT---	G-TTTCATAGGAGTTGCTATCATGTATCATAGTAAT-----	ATTTGTCTTGAGGCACCTT-	ATTTAAT	56603			

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Majority	G - TGGXATXA- XXAAATGTTGXCTTGT- - - GAACATATGTGAATTTTCAXCCTTGTTTTACTA- AATGACTTCATXGTTXA								
	83690	83700	83710	83720	83730	83740	83750	83760	
Human	C - T	G	C	C	C	C	C	C	66275
PolarBear	A - A	G	A	A	A	A	A	A	26829
Cow	CC - T	G	G	C	A	T	A	A	63482
Dog	G - A	G	A	A	A	A	A	A	57237
BelugaWhale	G - T	G	G	C	A	T	C	A	56560
Donkey	G	C	T	T	G	C	T	T	63167
Cat	A - A	G	A	A	A	A	A	A	64184
Ferret	A - A	G	A	A	A	A	A	A	64871
Lion	A - A	G	A	A	A	A	A	A	61656
Vaquita	G - T	G	G	C	A	T	C	A	57907
Pig	G - T	G	G	C	A	T	C	A	56669

Majority	T - GTGTTTTAT- TGXTTTTACATTTTAGTA- - - - - T- AATTTGGTTTTACTXT- - - - - X- - - TAAGTAT								
	83770	83780	83790	83800	83810	83820	83830	83840	
Human	A - -	G	C	G	T	T	G	T	66335
PolarBear	- - -	-	-	-	-	-	-	-	26840
Cow	T - G	T	G	A	G	T	A	A	63543
Dog	C - C	T	G	T	T	T	A	A	57289
BelugaWhale	T - G	T	G	T	A	A	T	A	56638
Donkey	T	T	A	T	A	C	C	C	63242
Cat	T - C	T	A	T	T	C	A	G	64234
Ferret	T - A	T	G	T	T	T	A	A	64923
Lion	T - C	T	A	T	T	C	A	G	61706
Vaquita	C - G	T	G	T	A	A	T	A	57985
Pig	G - G	T	G	T	A	T	T	A	56728

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Majority	ATAAAAATCA- XXTATX- A- TTCAGT- - - - TCTXTGTXATGTTTTTTTXXTAATTGTT- ATTTTT- - GTAAXAATTTTT-								
	84010	84020	84030	84040	84050	84060	84070	84080	
Human	GGGCTTTTTA-	ACTATA--	CTCAAAAATAGGTTAAAAGTAGGTGAGTTAAAGTTTTTAAAAATCAGATAATGGACCCTG						66569
PolarBear	ATTTAAACCACACTGT--	G- TGCAGT- - - -	TCT- - - -	GTGTTTTATTATAATTGTT- ATTTTA- -	GTAAGAATTTAA-				27046
Cow	ACATAATACTATTTGCACACTTAAAC- - -	TACCATATAGTGTCAACGTAGAAAAAT- -	ATTTTGGGGTGAAAATATGTG						63774
Dog	TTAAAAATCACTCTGTAAG- CGTAGT- - - -	TCT- - - -	GTGTTTTATTGTAATTGTT- ATTTTA- -	GTAAGAATTTTTT					57496
BelugaWhale	GTAAAGAACAGGGTATGGAATTTGATCCCTTTCTTGGTGACTTTTTATGTGCAGTTTTTCATCGTTGAGTTTTATTGTCAA								56872
Donkey	AGAAGGCGTA- TGAATGCTGTTGGGAGAAAAACC- TAAAGTGTTCTTC- ATAAGCGTAATTTTGTCTGTTATATTCCTTT								63471
Cat	ATTTAAATCA- - -	CAT- - - -	TGCAGT- - - -	TTTGTG- -	ATATGTTCT- - -	AATTGTT- ATTTT- - -	GTAAGAATTTTT-		64441
Ferret	ATTTAAATTA- -	CTAT- -	G- TGCAGT- - - -	TCTTTATTATGTTTTATTGTAATTACT- ATTTTA- -	GTAAGAATTTTT-				65126
Lion	ATTTAAATCA- - -	CAC- - -	TGCAGT- - - -	TTTGTG- -	ATATGTTGTTATAATTGTT- ATTTT- - -	GTAAGAATTTTT-			61916
Vaquita	GTAAAGAACAGGGTATGGAATTTGATCCCTTTCCCTGGTGACTTTTTATGTGCAGTTTTTCATCGTTGAGTTTTATTGTCAA								58219
Pig	GCAAAGAACAAAGTATGGAATTTGATCCCTTTCCGGGTGACTTTCATGTGCAGTTTTTCATTGTTGAGTTTTATTGTCAA								56963

Majority	- - X- - - AATAXTTTTAATAACTX- X- XTTATTXTTXXAGATTTCTAATATXTTGGAAAGTACCTTTACXX- - CGACATTT								
	84090	84100	84110	84120	84130	84140	84150	84160	
Human	GTTTTGATAATTCACAAGAGATAACCATT- TATTTTCATATTTTTTATGTAATACATGTTTCTGTACAAAATTAAAATT								66648
PolarBear	- - - - -	AAAAAACTTAATAGCTTCTTAGCATGCTAGTGGATTTGTAGTACTTGAGAAAGCACCTTTATC- - -	AGACATTT						27118
Cow	AATTCATCTTCCTTTACTAAATGAC- TTCATTGTTTACATGTTTTAACGGGGATTTTTAAATTTTTAAATATCCTCAAAT								63853
Dog	TGAA- AAATAATTTTAATAGCTATCTAGCATGCTGGTGGATCTGTAATACTTTTGAAAGTACTTTTACTTCCAGACGTTT								57575
BelugaWhale	AGT- - -	CATACTTTTTCTAATT- - - -	TTTATTTCTTAAGATTGCTGATATAT- TTTGTTCACTTTTACAGGCCCT- AGAT						56943
Donkey	- - - - -	CACTACCTCACCTTTT- -	CTCCTATTCTCCTAGTCTCCCAAATAG- -	AAGAAAAGCTCTACTGA- AGAAATAC					63540
Cat	- - - - -	TTGAAAACATA- - - - -	- - - - -	ATTT- TAATATTTTTGAAAGTACCTTTGTT- - -	GGACATTG				64488
Ferret	- - - - -	AAAAAA- TTTAATAGCTGTCTAGCATGCTAGTGGATTTGTAGTACTTTTGAAAGTACCTTTATT- - -	GGACATTT						65197
Lion	- - - - -	TTGAAAACATA- - - - -	- - - - -	ATTT- TAATATTTTTGAAAGTACCTTTGTT- - -	GGACATTG				61963
Vaquita	AGT- - -	CATACTTTTTCTAATT- - - -	TTTATTTCTTAAGATTGCTGATATAT- TTTGTTCACTTTTACAGGCCCT- AGAT						58290
Pig	AGT- - -	TATACTTTTATTAATT- - - -	TTTATTTTTTAAGATTCCTGATACACCTTTGTTTACTTTTACAGGCCCT- AGAT						57035

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Majority	AXTCT- - ATTTTTATAXTTTTTX- - - XTATACXXTAAAXATGGCXT- - - - X- AXTGTXXAAXATACAATGTAAAAACA							
	84170	84180	84190	84200	84210	84220	84230	84240
Human	GCTCTGTATTTGCAGATTTGCATTATCT- TTTATTGTAATTGACATT- - - - - T TACTTAGAATTTGTTTTAAAAGATA 66720							
PolarBear	AATCT- - AGTTCATACTTTTTATTTATATA- - - TATATATGGC- - - - - ATTTTGATAAACACCCTGTACATAACT 27184							
Cow	AGTT- - - TTTTAAAGGTGAGTT- - - ATAAATTTTAAAAATCAAAT- - - - AAAGGAATATATTTATAATTCATAAGATA 63921							
Dog	TATTA- - ATATATGTGGCATTGTGACAAATACCCTGTACATAACTTTTTTGTATTGGGTCAAAGAAAATGTTAAAGGCT 57653							
BelugaWhale	GGTCAGAATATTTATAATGCTTG- - - CTGTACCCTAAGGATTGATTTTTCCAACTTGTGAATTTG- AATGTAAAATACA 57019							
Donkey	TGTTGAGTTCTTAATAAAATATT- - - TAAACTTCAAACCTTGATGT- - - CACACTATCTAGGTCTAAGTCTAGGGCTCT 63612							
Cat	AATCT- - TCTTCTATACTTTTTTA- - - T- TAG- - TATATATGGC- - - - - ATGTGACAGATACCCTGTACATAACT 64549							
Ferret	AACTT- - ACTTCATACTTTTTTA- - - AAATA- - - TAAACATGGC- - - - - ATTGTGGCAAACACCCTGTGAATAACA 65260							
Lion	AATCT- - TCTTCTATACTTTTTTA- - - T- TAA- - CATATATGGC- - - - - ATGTGACAGATACCCTGTACATAACT 62024							
Vaquita	GGTCAGAATATTTATAATGCTTG- - - CTGTACCCTAAGGATTGATTTTTCTAACTTGTGAATTTG- AATGTAAAATACA 58366							
Pig	GGTCAGAATATTTATAATGCTTG- - - CTGTACCCTAAGGATTGATTTTTCCAACTCGTGAATTTG- AATGTAAAATACA 57111							

Majority	TCTTTG- TATTTCTXGAGATTATTCTCTX- - - - - A- ACTAGTXX- XTATCTAGAGXTAG- - - - - ATT							
	84250	84260	84270	84280	84290	84300	84310	84320
Human	GCTTTAATACCTGCGTAGCATGTTTCATGG- - - - - GTATGCCATACCTTTGAAAGTGG- - - - - ACA 66775							
PolarBear	TTTTTG- TCTTTC- - - GGGTATTTTCTG- - - - - AGACTAG- - - - - ATTCCTAGTGCTAG- - - - - ATT 27233							
Cow	ACTACC- TATATTTTGA- - - TATATTTT- - - - - TCTTATTTTCTATGTAATACATAT- - - - - TTG 63974							
Dog	CCTGAT- TCTTCCTGTAATTTCTTTCTGGAAAGATGATATTAAGTAGTATGGTATTTGAGGCTGGCCATTCT- - - ACT 57729							
BelugaWhale	ACAATGATAAAAGTAGGGATTATACTCGA- - - - - CCTGATCTTCCATCTGGGGATGGACAACCTGCATTG 57084							
Donkey	TGTGCA- TATTCTTAGGGCTAATCTGATTG- - - - - TTTTAATTTAACA- - - CTGCATAGAACAG- - - - - T 63669							
Cat	TTTT- G- TCTTTC- - - AAATTATTCCCTT- - - - - AAAGTAG- - - - - ATGCCTAGAGCTAG- - - - - AAT 64597							
Ferret	TTTTTA- TCTTTC- - - AGATTATTTCTG- - - - - AGACTAG- - - - - ATTTCTAGAGCTAG- - - - - ATT 65309							
Lion	TTTT- G- TCTTTC- - - AAATTATTCCCTT- - - - - AAAGTAG- - - - - ATGCCTAGAGCTAG- - - - - AAA 62072							
Vaquita	ACAATGATAAAAGTAGGGATTATACTCGA- - - - - CCTGATCTTCCATCTGGGGATGGACAACCTGCATTG 58431							
Pig	ACAATGATAAAAGTAGAGATTATACTCGA- - - - - CCTGATCTCCCATCTGGGGATGGACAGCCTGCATTG 57176							

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Majority	TACTAA-XXA-XXTCAAAGAXTTTXX--X- - - -AAATXTTTGTGAXTTXTGA- - - TTTTACTGCAAATTTCTTTTAGA								
	84330	84340	84350	84360	84370	84380	84390	84400	
Human	TGTAGGCT-	-ATTCCATACTTTTTATTAA-	A-ACACCCTTGTACTTTTTTGT-	- - -	CCT-	CTCAAATTATTTTCTTAGA			66844
PolarBear	TATTGG-	- - - -GTCAAAGA-	- - - - - - - - - - - - - - - - -	AAATGTTAGAGACTCCTGA-	- -	TTCTTACTGCAAATTTCTTTTAGA			27291
Cow	TAAAAAATTA	AAAATCACACTGTTTGC-	- - - - -	AGTTTTGTGTTTGCATTT-	- -	TATT-GAGGGTTTTTTTTTTTTTCC			64043
Dog	TTTTTGCCTACCAGCATTGATTTTTTTTTTTTTTCAAATATTTGTCATTTTTAAAAATTTTTTTTTTTCTTTTTTTTTTTTATG								57809
BelugaWhale	GACCCAGCTATTGCTGCAGCATTGCCAAGGAGACATCTCTCTTAGGTATGA-	- -	TTTTTATTGTCTATAACCACTTTTCT						57161
Donkey	GAAAAGTTAACAGACAAAACATGTAGTGAGAGTAGGCATATGGGTTTTTTCAAACATG-	- -	TGATAGCCTCTCTTTTAA						63746
Cat	TACTAA-	- - - - -ATCAAAA-	- - - - - - - - - - - - - - - - -	AAGTGTAAAGACTCCTGA-	- -	TTCTTACTGCAAATTTCTTTCTAGA			64655
Ferret	TATTGG-	- - - - -ATCAAAGA-	- - - - - - - - - - - - - - - - -	AAATGTTAGAGACTCCTGA-	- -	TTCTTACTGCAAATTTATTTCTAGA			65367
Lion	TACTAA-	- - - - -ATCAAAA-	- - - - - - - - - - - - - - - - -	AAGTGTAAAGACTCCTGA-	- -	TTCTTACTGCAAATTTCTTTCTAGA			62130
Vaquita	GACCCAGCTATTGCTGCAGCATTGCCAAGGAGACATCTCTCTTAGGTATGA-	- -	TTTTTATTGTCTATAACCACTTTTCT						58508
Pig	GACCCAGCTATTGCTGCAGCATTGCCAAGGAGACATCTCTCTTAGGTATGA-	- -	TTTT-ATTGTCTGTACCACTTTTCT						57252

Majority	XAXATXATACTAAATTAGAAAGAGXGTGTTA- -X- - - - - AAATAAGTATAATAAGACTCTXAXTTTGX- - - X- X- - X- -								
	84410	84420	84430	84440	84450	84460	84470	84480	
Human	CTAGATTCCTAGAATTAGAATTATTGGGTCA-	- - - - -	AAGAAAATGTAAAGCCTGTTTACTTTA-	- - - - -					66903
PolarBear	AGGATGATACTAAATTA-	- - - - -	ATATGAATGGTATATGAGGCTGGCTAT-	- - - - -					27335
Cow	CGAAAAATGGTAATTGTAATAG-	- CAAGATAGACTG-	- -	CTAATGGATATAT-AATACTTTTGTATTTATGTTGAACGTT					64117
Dog	ATAGTCACACAGAGAGAGAGAGAGAGAGAGAGAGGCA-	- GAGACATAGGCAGAGGGAGAAGCAGGCTCCA-	- - - - -						57875
BelugaWhale	CCCATTTTGCCAAATGGGAAAGTGCCTGTTAAACT-	- - -	CCAGTAAGTATAATGAATCTCCCATTTTGGAAATTAAGAAA						57237
Donkey	GAAAACAATTTAAGCTAGAAGGAATTTTCTA-	- - - - -	TAAAATTTATTTTGTATTGCTTTTTGTCCTAATCATT						63817
Cat	AAGGTGATATTAACATAATATGAATGG-	- - - - -							64682
Ferret	AAGATGATACTAAACTA-	- - - - -	ATATGAATGGTATATGAGACTGGCTAT-	- - - - -					65411
Lion	AAGGTGATATTAACATAATATGAATGGGGGCGCCTTGGTGGCTCAGTCGGTTAAGCGTCTGACTTCGGCTCAGGTCATG								62210
Vaquita	CCCATTTTGCCAAATGGGAAAGTGCCTGTTAAACT-	- - -	CCAGTAAGTATAATGAATCTCCCATTTTGGAAATTAAGAAA						58584
Pig	CCCATTTTGCCAAATGGGAGAGGGCCTGTTAAATT-	- - -	CCAGTAAGTATA-ATGACTCTCATTTCGGAATTAAGAAA						57326

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Majority	X - - X - - - - - XX - - - - - A - TGCAC - XTGXXX - C - X - X - - - - XXX - - - - - XXXAATTCAT -	
		84490 84500 84510 84520 84530 84540 84550 84560
Human	----- TTTGCA ----- AATTTCTT	66917
PolarBear	----- TCCACT -----	27341
Cow	TAGTTTCCCTTCATACTTTTCATT - - - - AATATAAATGGCATTGTGACCACCAGTACCTGTATGTAACGTTTTTTGCCT	64192
Dog	----- TGCACCGGAAGCCCGACG - - - - - TGGGATTTCGA -	57903
BelugaWhale	TTATGTTAGGTTTCTCCCCGCATC - - - - AGGTAAGAAAGCAT - ATGTATGCTGTTGGAAGAAAAC - - CCTAAGTTCATA	57309
Donkey	TATGTTTCATTTT - - - - - ATTCTACAATGGATTTGACCCACTTAATAAAAAACACAATGCAA	63874
Cat	-----	64682
Ferret	----- TCCACT -----	65417
Lion	ATCTCACGGTCTGTGAGTTCGAGCCCCGCGTCGGGCTCTGTGCTGACAGCTCAGAGCCTGGAGCCTGTTTCAGATTCTGT	62290
Vaquita	TTATGTTAGGTTTCTCCCCGCATC - - - - AGGTAAGAAAGCAT - ATGTATGCTGTTGGAAGAAAAC - - CCTAAGTTCATA	58656
Pig	TTGTACTTTTTTTCCCTCTCA - - - - - GGTA - AGAAGGCAT - ATGAATGCTATTACAAGAAAAAACCTAAACTCATC	57397

Majority	X - X - TX - - - - AXATTATATCAXCTAGAATCCTX - T - AT - X - - - - - X - - - - - XAX - - - - - X	
		84570 84580 84590 84600 84610 84620 84630 84640
Human	CATCTAA - - - AGGTGATATTA ACTTAAACTAA - - - CAT - - - - - TA - - - - -	66951
PolarBear	----- TTTTTGCCTACCAGCATTG - - - - -	27360
Cow	TTATTTACTTAGACTATAG - AACTAGAATCATTGT - GTCAGAGAAATGTTAAAGCCTTGTGATTCTTGTTTGAATTTCT	64270
Dog	----- TCCCGGGTCTCCAGGATCGC - GCCCT - - - - -	57928
BelugaWhale	AGTATAATGAAAATTATATCAGTTATATTCTTTTTACC ACTCTCATCTTCTCTCCAGAATAGAAGAGGAAAAGCTCTA	57389
Donkey	AATCTG - - - CAACTAGTAGTTGATAGAGTCAAGATGAAGA - - - - - AAGAAT - - - - - AAGGAAAATGTTA	63931
Cat	-----	64682
Ferret	----- TTCTTGTTTACCAGCATTG - - - - -	65436
Lion	GTCTCCCTCTCTCTCTGACCCCTCCCCGTTTCATGCTCTGTCTCAAAAATAAATAAACATTTAAAAAACAACAAAACAAA	62370
Vaquita	AGTATAATGAAAATTATATCAGTTATATTCTTTTTACC ACTCTCATCTTCTCTCCAGAATAGAAGAGGAAAAGCTCTA	58736
Pig	AGAATAGTTAAAATTATGTCAGTTATATTCTTTTT - ACTA - - - - - CTCTCATCTTCTCTCCAAAACAAAAGCTGTA	57468

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Majority	- X- - - - - AT- - TATTTAATXCTGGATAAAATAXTTTTA- - - CCTTCAAGTXTACXTXATGXTTTTTTTGGATTTGCT	
	84650 84660 84670 84680 84690 84700 84710 84720	
Human	- - - - - ATTATATATGAGGCTGGGTGTCCTACTTTTTCC- CCTGCCAGCATAC- - - - - TATTTTTTAATTTTCCAC	67013
PolarBear	- - - - - AGTATTA- - - - - TTTTTTGGATTTGAT	27382
Cow	TTCCAGAATG- GTGATAATTAATTTAACATACATGGTATGTGAGGCTGGCTATTCTACTTTTTTCTGTTGAGCATTGAGT	64349
Dog	- - - - - GGGCCAAAGGCAGGCACCAAACCTGCTGCG- CCACCCAGGGATCCCCTAT- TTTTTTTGATTTGCT	57991
BelugaWhale	ATGAAGAA- - - ATACTGTTGAGTTCTTAATAAAATATTTACA- - - - CTTTAAATTGAAGTCATGCTGTCTAGGGCCCCTT	57462
Donkey	TT- - - - - TTG- TAAGTAAAATGAGTGAAGTGATTTATAG- - - CTTAAGATGAAATTTTAGTTTTCTTTTGTGTTGAT	63998
Cat	- - - - - TACATGAGGCTGGCTATTCCACTTTTTTC- CCTACTAGCATTGAGTATTATTTTTTTGATTTACT	64746
Ferret	- - - - - ACTATTA- - - - - TTTTTTGGATTTGCT	65458
Lion	AACTAATATGAATGGTATATGAGGCTGGCTATTCCACTTTTTTC- CCTACTAGCATTGAGTATTATTTTTTTGATTTACT	62449
Vaquita	ATGAAGAA- - - ATACTGTTGAGTTCTTAATAAAATGTTTACA- - - - CTTTAAATTGAAGTCATGCTGTCTAGGACCCCTT	58809
Pig	ATGAAGAA- - - ATACTGTTGAGTTTTGAATAAAATATTTATA- - - CTTTAAAGTTGACGTCATGTTGTCTAGGGCCCTGT	57542
Majority	- TGGATATTAATTTG- - - GGCATAGGXATXTGTCAGATTXTA- - - TTTAATTTXTATT- - - TA- TTTATGAGCTAXCTTA	
	84730 84740 84750 84760 84770 84780 84790 84800	
Human	- - - AAGATTAATTTG- - - - - ATAGGCAAATGCC- - - TAT- - - - TTTAATTTCTGT- - - - - TAAGATTTAGTTTA	67067
PolarBear	- AGGATATTAATTTGGTAGGAATAGGAATGTGTCAAATTAT- - - - TTTAATTTTAT- - - - TATTTTATGAGCTAGCTTA	27453
Cow	ATTAGTATTTTTATT- - - TGCTAGGGTATTAATAAGGATGTCAGATTATTTTAATTTTATCATTTTATGAACTAGTTTA	64426
Dog	TAGAATATTAATTTGATAGGAATAGGAATGTGTCAAGTTTTATTATTTAACTTTTATGAGCTAACTTATTAGACATTTTT	58071
BelugaWhale	GTGCATATTCTTTAG- - - GGCCAATCTAATTGTTTCAATTTAGCACTGCACAGACAATGAAAAGTTAACAGATGCAACAT	57539
Donkey	GTGTTTGGGAATTCT- TGATTTCTGATGTTTGAAGATTCTC- - - TTTAATCACAGTGTCTA- TCCATATG- GAACCCA	64072
Cat	- - GGATATTAATTTG- - - - - ATAAGAATGTGTCAGGTTATT- - - - TTAATTTT- TA- - - - - TTATGAGCTAGCTTG	64806
Ferret	- AGGATATTAATTAGATAGGAATAGGAATGTGTCAAATTGT- - - - TTTAATCTTTAT- - - - TATTTTATGAGCCAACCTTA	65529
Lion	- - GGATATTAATTTG- - - - - ATAAGAATGTGTCAGGTTATTAT- TTTAATTTT- TA- - - - - TTATGAGCTAGCTTG	62512
Vaquita	ATGCATATTCTTTAG- - - GGCCAGTCTAATTGTTTCAAGTTTAGCACTGCACAGACAATGAAAAGTTAACAGATGCAACAT	58886
Pig	AC- - ATATTCTTTAG- - - GGCTAATCTAATTGTTTTAATTTAACACTGCACAGAAATCAGAAAGTTAACAGACCCAACAA	57617

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Majority	XAATTTTTAAGTGCTTATTAGACATTT- - - AAGTCTCTGAATTGGTTGTCTAGXTTCTTTCTXXTGGGATGTACA- - - AT							
	84810	84820	84830	84840	84850	84860	84870	84880
Human	CAATCTTTAAATGTTTATTTGATAGTCAC-	AATTTGCTAAATTGCTTGCCTGCATTCTTTCTGTTAGGATGTACGGTAAT						67146
PolarBear	TAATTTTTAAGTGCTCATTAGACATTTAC-	AATTCCTGAATTGGTTGTCTAGGTTCTTTCTATTGGGATGTACA- - - AT						27529
Cow	TAATTTCTAAATGCTCATCAGATATTTA-	- - - CAAATCTGAATTGGTTGTGTGGATTCTTTCTTTGGAGTATACA- - - AG						64500
Dog	AAATTTTTAAATTCTTATTAGACATTTAC-	ACGTCTCTGAATTGGTTGTCTAGGTTTTT- - - - - GGGATATACA- - - AT						58141
BelugaWhale	ATAATGG- GAGTAGGTGTATAGAATTT-	- - - - - TTTCAAAGCATATTATACTCTCT- - TTTAAACAAT- TTTA- - - AT						57604
Donkey	AGATTGTTGAGTTGCAAAGTAGCTCTT-	- - - - - ACAGTTTAGTTTATG- TCTA- - - TCGATAAAAAAAGAAAAAGC- - - AT						64140
Cat	TAATTTTTAAATGCTTACTAGACAG-	- - - - - AAGTCTCTGAATTGGTT- TCT- - - TTCTAT- - - - - TGGGATGTAC- - - - -						64867
Ferret	GAATTTTTAAGTGCTTATTAGACATTTTCCAAGTCTCTGAATTGGTTGTCTAGGTTCTTTCTGTTGGGATGTACA- - - AT							65606
Lion	TAATTTTTAAATGCTTATTAGACAG-	- - - - - AAGTCTCTGAATTGGTTGTCT- - - TTCTAT- - - - - TGGGATGTAC- - - - -						62574
Vaquita	ATAATGG- GAGTAGGTGTATAGAATTT-	- - - - - TTTCAAAGCATATTATACTCTCTCTTTTAAACAAT- TTTA- - - AC						58953
Pig	GTATTGG- GAGTAGGTATAAGGATTTT-	- - - - - TTTCAAAGCATATTATAGCTTCTCTTAAAAACAAT- TTTA- - - AC						57684

Majority	TXATATAAAXTGTXATTAAGGTTATTX- - ATATT- - - - - T- - - CXTATGAGCTGAGCCTTCAACTTGATXC- - - -							
	84890	84900	84910	84920	84930	84940	84950	84960
Human	TCTTATAAAATGCATAGTAAGGATATTAATATGCATATT-	- - - - - TTGGATGAGCCAAGCCTTCAAGCTTTATTCACTT						67218
PolarBear	ACATATAAATTGTGTATTAAGGGTATTC-	- - ATACT- - - - - T- - - CATATGAGCTGAGTCTTCAACTTGAT- - - - -						27589
Cow	ACATGTTAAATGTATATTAAGGATATTTTGCTCCT-	- - - - - ATTTTATGAGCTGAGCATTCAAGCTTTATAC- - TG						64567
Dog	ATATGTA AAATGTGTATTAAGGATATAC-	- - ATATT- - - - - T- - - CATATGAGCTGAGTCTTCAACTTGAT- - - - -						58201
BelugaWhale	TAGAA- - - - TTTCATATAAAATTTATTTTGGTATTTATCAGTATTTGCGTTTTGTCTTAATCATTGTATTTCACCTCATT							57680
Donkey	TATAATGAAGTAATTCTTGAAATAGATAATTATTTACCGTGGAT-	- - ATGTAACAATTGTGCTGTCCATTTCGTTAA- - - -						64214
Cat	- - ATGTA AAATGTGTTTTAAGGTTATCC-	- - ATATT- - - - - T- - - CATATAAGCTGAGTCTTCAACTTGATTC- - - -						64927
Ferret	ACATGTA AAGTGTGTATTAAGGGTATTC-	- - ATACT- - - - - T- - - AGTATAAGCTGAGTCTCCAAGCTTGATA- - - -						65667
Lion	- - ATGTA AAGTGTGTTTTAAGGTTATCC-	- - ATATT- - - - - T- - - CATATAAGCTGAGTCTTCAACTTGATTC- - - -						62634
Vaquita	TAGAAAGAATTTTATATAAAATTTATTTTGGTATTTATCAGTATTTGCATTTTGTCTTAATCATTGTATTTCACCTCATT							59033
Pig	TAGAAAGAATTTTATAGAAAATTTATTTTGGTATT-	- - - - - GCATTTTGTCTTGAACATCACATTTTGCCTG- TT						57752

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Majority	- - - TTACAATATTTT XGACXAACCTXTT TATAGAAAAATT- - - - - ATTTTTAAATAATT- - TATCTCAATCCAAA								
	84970	84980	84990	85000	85010	85020	85030	85040	
Human	ATGTTAGGTCAGTTTTTGGAAAAGTATTTTTCAATAATCTCT- - - - - CTTTTTAAATAATT- - GATCTCAATCCAAA								67289
PolarBear	- - - TCACAATATTTT TAGACTAGCCAGTTTATAGAAAAATT- - - - - ATTTTTAAATAGTT- - TATCTCAATCCAAA								27655
Cow	- - - T TACTGTAGATTGG- - CCAGTTA- - TGGAAAAAAT- - - - - GTTTTTAAATAATT- - CATCATAATCCAAAC								64628
Dog	- - - TCACAGTATTTT TAGAC- - ACCAGCTTATAGATGAGTT- - - - - ATTTTGAATAATT- - TATCTCAATCCAAA								58265
BelugaWhale	- - - CTACAATGGATTTGACCCACCTAATCAAAAACAAAACAAAACACAGATTTGCAACTAATAGTTGACAGAGTCAAGAT								57757
Donkey	- - - ATATGTTATAAGTGATAAACATCTATGTGGGACACCT- - - - - GCCACACCACAGGT- - TGGCTTGAT- AAGCA								64279
Cat	- - - ACACAGTATTTTACACTAGCCAGTTTATAGAAAAATT- - - - - ATTTTTAAAT- - - T- - TATCTCAATCCAAAG								64990
Ferret	- - - TTACAATATTTAAGACTAGCCAGTTTATAGAAAAATT- - - - - ATTTTTTAAATAATT- - TATCTCAATCCAAA								65733
Lion	- - - ACACAGTATTTTACGCTAGCCAGTTTATAGAAAAATT- - - - - ATTTTTAAAT- - - T- - TATCTCAATCCAAAG								62697
Vaquita	- - - CTACAATGGATTTGACCCACCTAATCAAAAACAAAACAAAACACAAATTTGCAACTAATAGTTGACAGAGTCAAGAT								59110
Pig	- - - CTACAATGGATTTGACCCACCTAACCAAAAATAAAA- - - - - ATTTGAAACTAATAG- TGACAGAGTCAAGAT								57818

Majority	GTATCCATTTATAGGACATGAAGTTAATTTTTTAC- C- - - - - CCXACACATTTGTGGX- - ATATTGTAATCTTTAT								
	85050	85060	85070	85080	85090	85100	85110	85120	
Human	GTATTCATTTGTAGGACATGAAGACACAATTTTCT- - - - - TCTTCATACGTTTGGTGAATATTTTGATCTC- - -								67355
PolarBear	GTATCCATTTATTGGACATGAAGTTAACTTTTTTC- C- - - - - CCCACACATTTGTGG- - - CTATTGTGATCTTTAT								27722
Cow	ATTTCCATTTATAGGACATTAAGGTAACTTTGCAC- CCTCGCCCGCTTCACTCGCCTTTGGTGGATAGTATAATCTTCAT								64707
Dog	ATACCCATTTATAGGACTTGAAGTTAACTTTTTTC- C- - - - - CCCACACATTTGTGG- - - ATATTGTGATCTTTAT								58332
BelugaWhale	GAAGAAAAATAAAGGAA- - AATGTTATTTTGTAA- - - - - AGTAAAATAAGTGATTTATAATTTAAGATGAAATTTT- - -								57826
Donkey	GTGTGTATGTCCGCGCCCGGGATCCAAACCAGTGAATCCTGGGTGCGGAAGCAAGAGTGCATGAACTTTTAGCTGCTAC								64359
Cat	ATATCTATTTATCGGACATGAAGTTAATTTTTTCC- C- - - - - CC- - - ACATTGGTGG- - - ATATTGTCATCTTTAT								65054
Ferret	ATATCCATTTATGGAACATGAAGTTAACTTTTTTC- C- - - - - CC- ATACATTTTGG- - - ATATTGTCATCTTTAT								65799
Lion	ATATCTATTTATCGGACATGAAGTTAATTTTTTCC- C- - - - - CT- - - ACATTGGTGG- - - ATATTGTCATCTTTAT								62761
Vaquita	GAAGAAAAATAAAGGAA- - AATGTTATTTTGTAA- - - - - AGTAAAATAAGTGATTTATAATTTAAGATGAAATTTT- - -								59179
Pig	GAAAAAATAAAGGGA- - - - AATGTTATTTTGTAA- CGAAAGTAAGTGAAGTGATTTGTAATCTAAGATGAAATTTT- - -								57890

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Majority	- A - - XGAGTCACTTAXTATTTTXXCCTTTT - - - AAAGTAGTTTTCAAAC - - ACCGTTTATAG- G- - TAACATCCAAT - - - -								
	85130	85140	85150	85160	85170	85180	85190	85200	
Human	- - - - -	AGTTTC- - - -	CACTTCTCTTTTT- - - - -	- - - - -	GCTTTTTAAAC- -	ATTGTTTATGG- - - -	TGATATCCAAT- - - -		67407
PolarBear	AA- -	GGAACCTCTTA- TGCTTTGCCTTTT- - -	AAAGTAGTTTTCAAAC- -	ATCCTTTATAG- TAATAACATCCAGT- - - -					27789
Cow	GA- -	AGAATCACTTACTATTTTACTTTTTT- -	AAAGTAGTGATCAGAC- -	GCTGTTTGTAGTGACTAGTGACATGC- AGT					64780
Dog	TA- -	GGAACCACTTA- TATTTTGCCTTTTTTAAAAGTTGTTTTCAAAC- -	ACCGTTTATAA- A- - -	GACCTCCAAT- - - -					58399
BelugaWhale	- - - -	ACAGTT- - - - -	TTATTTGATGTATTC- -	AGGAAATTCTTGGTTTTCTGAAGTTTGTAA- GATTATCATTAAATGAGT					57894
Donkey	-	ACCACCATGCCAGCCTCTTTAATTTTTT- - -	ACATAGTCTTCAAAC- -	ACCCTGTATAG- - - -	TGACATCCAGT- - - -				64424
Cat	AA- -	GGAGCCACTTACTATTTTGCCTTTT- - -	ATAGTAGCTTTCAGGC- -	ACCCTTTATAG- C- - -	AACATCCAAT- - - -				65119
Ferret	AAAAGGAACCATCTA- TGTTTTGCCTTTT- - -	AAAGTAGTTTTCAAAC- -	ACCCTTTATAG- T- - -	AACATCCAGT- - - -					65865
Lion	AA- -	GGAGCCACTTACTATTTTGCCTTTT- - -	ATAGTAGCTTTCAGGC- -	ACCCTTTATAG- C- - -	AACATCCAAT- - - -				62826
Vaquita	- - - -	ACAGTT- - - - -	TTATTTGATGTATTC- -	AGGAAATTCTTGGTTTTCTGAAGTTTGTAA- GATTATCATTAAATCAGT					59247
Pig	- - - -	ATAGTTTCCTTTTATTTGATGTATTC- -	AGGAAATTTTTGGTGCCTGAAGTTTGTGAAACTTATCTTTAAGTGAGA						57964

Majority	- ATTACTTTAGTXAGGTCATGCCTTCTGGAATGGTAACTAAATCTTTTCTAT- GTTTA- TTTGCCTCCAAXTGATATTTAA								
	85210	85220	85230	85240	85250	85260	85270	85280	
Human	-	ATTGCATGAGTGAGGTCATGCCTTTT	TAGAATAATAACTGAATCTTTTC- - - - -	T- - - - -	TCTAATTAT- -	TTAA			67469
PolarBear	-	ATTACTTTAGTGAGGTCATGTCTTCTGGAATGGTAACTAAATCTTTTCTAT- GTTTA- TTTGCCTCCAGTGAAATT- AA							27865
Cow	-	ATTGTTTTAGTAAGGTCATACCTTCTGGAATGGTGA	CTAAATTTTTTCTCTGTTTA- TTTGCTTCCATTGATATCTAA						64858
Dog	-	ATTACTTTTAATA- - - - -	GCCTTCTGGAGTGGTAACTAAATTTTTCTCTAT- GTTTA- TTTTCTCCAATGATATTTAA						58470
BelugaWhale	TGTTTCTATACATATGGAACCCAAGATTGATGAGT	CACAACTAGTTCTTACAGTTTAGTTTATGTTTATCAAT- - -	TAA						57971
Donkey	-	ATTGCTTTAGGGAGGTCCTGCTGTCTGGAATGGTAA	CTAAATCTTTTCTAT- GTTTA- TTTGCCTCCAGTGATACGTAA						64501
Cat	-	ATTACTTTAGTAAGGTCATGCCCTCTGGAATGGTAA	CTAAATCTTTTCTAT- GTTTA- TTTGCCTGCAATGATATTTAA						65196
Ferret	-	ATTACCTTAGTGAAGTCATGTTTTCTGGAATGGTAA	CTAAATCTTCTCTAT- GCTTA- TTTGTCTCCAGTGAAATTTAA						65942
Lion	-	ATTACTTTAGTAAGGTCATGCCCTCTGGAATGGTAA	CTAAATCTTTTCTAT- GTTTA- TTTGCCTGCAATGATATTTAA						62903
Vaquita	TGTTTCTATACATATGGAACCCAAGATTGATGAGT	CACAACTAGTTCTTACAGTTTAGTTTATGTTTATCAAT- - -	TAA						59324
Pig	-	ATTTCTGTACATATGTAACCCAAGATTGATGAGT	CACAACTGGTTCTTAGAGTTTAGTTTATGTTTATCAAT- - -	TAA					58040

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Majority	T - - GTCAGGTGACTTCAA	AATACAAC-	AACTAXTATTGAT-	GXXA-	- GATCCATTTCTCTGCTGAGTCTTXCTCAAGCAG			
	85290	85300	85310	85320	85330	85340	85350	85360
Human	T - - - CAGATGACTTCA-	- - - GCA-	- - - AACTAATATTGGTGGG-	- - -	ATTA	ACTTCTCTGCTCAGTCTTCCAGTAACAG		67532
PolarBear	TAAGTCAGGTGACTTTCAA-	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	CAG 27888
Cow	T - - - CAGGTGACTTCA	GATTACAAC-	AACTAATATTGAT-	AAGATCCATTTT	CAGCTTG-	- - AGTCTTTCTTAAGCTG		64929
Dog	TAAGTCAGGTGACTTTGAC	ATACAAC-	CAACTAGTATC-	AT-	TG-	- - - GATCCATTTCTCTGCTGAGTCTTCTTCAAACAG		58543
BelugaWhale	A - - - AAAGAAAAAGC-	- ATTATAAT-	GAAGTAATTTTT	GGAAATAGATATTT	ACTTACTGT-	GAATATATAGCATGTGT		58043
Donkey	TAAGTCAGATGACTTCAA	AGTATGACC	AACTAGTATTGATCCA-	- - - -	ATCCATTTTCTGCTAAGTCTTTCTCAAACAA			64576
Cat	T - - GTCAGGTGACTTCA	ACATACAAC-	AACTGGTATTGAT-	GGTATTGATCCGTTT	CTCTGCTGAGACTTCCTCAAGCAG			65272
Ferret	TAAGTCAGGTGACTTCA	GCATACAAC-	TCCCTAGTATCGAT-	GG-	- - - GATCCATTTCTCTGCTGAGTCTTCCT-	- - - CAG		66012
Lion	T - - GTCAGGTGACTTCA	ACATACAAC-	AACTGGTATTGAT-	GGTATTGATCCATTT	CTCTGCTGAGACTTCCTCAAGCAG			62979
Vaquita	A - - - AAAGAAAAAGC-	- ATTATAAT-	GAAGTAATTTTT	GGAAATAGATATTT	ACTTACTGT-	GAATATATAGCATGTGT		59396
Pig	A - - - AAAGAAAAAGC-	- ATTATAAT-	GAAGTAATTCTTA-	- GATATTTATGTAGATATGT-	- - AACATTT	- - - - GTGT		58103

Majority	TACTTGTTCAA	AATGAAATAA	ATTGATAG-	- - - - -	XTGACCCTTTATTTCAA	- - GATTCTGTAAGAACACAAGTACA-	- A	
	85370	85380	85390	85400	85410	85420	85430	85440
Human	TACTTGTTCAA	AATGAAATAA	ATTGATA-	- - - - -	GAGTATTTATTTCAA	- - AATTTT-	TAAGAACACAAATATA-	- A 67598
PolarBear	TACTTGTTCAA	ATGAAATAA	ATTGAT-	- - - - -	CTCCCTTTATTTAAA-	- GATTCTGTAAGAACACAAGTACT-	- A 27954	
Cow	TACTTGTTCAA	AGTGAAATAA	TTTATAG-	- - - - -	GTATCCCTGTGTTTCAA	- - AATTCTGTAAGAACACAGATAGAAA		65001
Dog	TACTTGTTCAA	ATAAATAA	ATTGATAGCTAGCTATCTCTCTTTATTTCAA	- - - - -	GATTCT-	TAAGAACACAAGTACT-	- A 58618	
BelugaWhale	TATCCATTTATAA	ATGTAA-	- TATAA-	- - - - -	GTGATAC-	ATCTATGAACTGAGACACACTAATGCACAAGAGAAGCA		58114
Donkey	TACTTGTTCAA	ATGAAATAA	ATTGATGG-	- - - - -	ATATCCCTTTATTTCAA	- - GATTCTGTAAGAACACAAGTACA-	- A 64646	
Cat	TACTTGTTCAA	ATGAAATAA	ATTGATAG-	- - - - -	ATGACCCTTTATTTCAA	- - GATTCTGTAAGAACACAAGTACT-	- A 65342	
Ferret	TACTTGTTCAA	ATGAAATAA	ATTGATAG-	- - - - -	CTTCCTTTGTTTCAA	- - GATTGTATAAGAACACAAGTACTT-	A 66079	
Lion	TACTTGTTCAA	ATGAAATAA	ATTGATAG-	- - - - -	ATGACCCTTTATTTCAA	- - GATTCTGTAAGAACACAAGTACT-	- A 63049	
Vaquita	TATCCATTTATAA	ATGTAA-	- TATAA-	- - - - -	GTGATAC-	ATCTATGAACTGAGACACACTAATGCACAAGAGAAGCA		59467
Pig	TAGCCGTTTGTA	AAATAGGTAA-	- TATAA-	- - - - -	GTGATTC-	ATCTTTGAAC-	- AGAGATACTAATGTACAAGAGAAGCA	58172

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Majority	AXTGATAC- - - - - TTXTTTTCTGCAAATATTTAGGGG- - - GATTCACCTTTACCTTGTAT- - - - - AATTTTT- - - ATA												
	85450	85460	85470	85480	85490	85500	85510	85520					
Human	GGTGATAC-	- - - - -	TCTTTT	GCTAAA	ATTTGT	GGGGG-	GCTTCA	CTTTAC	CTTGTAT-	- - - - -	GATTTTT	TATATTA	67661
PolarBear	AGTGATCC-	- - - - -	TTCTTT	TCTGCA	AATATTT	AGGGG-	GATTAAC	CTTTAC	CTTGTAT-	- - - - -	AATTTTT	- - - ATA	28015
Cow	GAAAGTAAGTGAAGTCG-	-	CTCAGTAGT-	ATCCA	ACTCTTT	GCGACCC	CATGGACT	GTAGCC	CACCAGGCTCCT-	CTATC			65077
Dog	GATGGTCC-	- - - - -	TCCTTT	TCTGCA	AATATTT	GGGGG-	AATTCCT	TTTACCT	TGTAT-	- - - - -	AATTTTT	- - - ATA	58679
BelugaWhale	TTTGACATGTGAAATTAATTCTGGTAAT-	-	TTTAGACA	AAA	ACTGACC	CTTTATT	CTA-	- - - - -	GTTGTC-	TAATA			58180
Donkey	GTTGATAAT-	- - - - -	TCTTTT	TCTGCA	AATATTT	AGGGG-	GATTCAC	TTTGC	CTTGTAT-	- - - - -	AATTTTT	- - - ATA	64708
Cat	AATA-	- - - - -	TTTTCT	GCAA	AATATTT	AGGG-	AATTCAC	TTTAC	CTCGTAT-	- - - - -	AATTTT-	- - - ATA	65394
Ferret	AGTGATGC-	- - - - -	TTCTTT	TCTGCA	AATATTT	AGGGG-	GATTCAC	TTTTC	CTTGTAT-	- - - - -	AATTTTT	- - - ATA	66140
Lion	AATA-	- - - - -	TTTTCT	GCAA	AATATTT	AGGG-	AATTCAC	TTTAC	CTCGTAT-	- - - - -	AATTTT-	- - - ATA	63101
Vaquita	TTTGATATGTGAAATTAATTCTGGTAAT-	-	TTTAGACA	AAA	ACTGACC	CTTTATT	CTA-	- - - - -	GTTGTC-	TAATA			59533
Pig	ATTGGTATTTGAAATTAATTTGGTAATTATTTATCTATTTGTTTGTCTTTTGGCCATTTCTTGGGCTGCTGCTGCGGTA												58252

Majority	TCTAAGG- - - ACTTGGCTGAATTT- - - GTAATCAAXAXX- - - XTAATA- - - CATTTTAATTGGTTTATTTTACAXAGTGATTT														
	85530	85540	85550	85560	85570	85580	85590	85600							
Human	GATCTAG-	CTACTT	GACTGA	AATTTA	AATTACT	TTTAGA	ATCAGT	ACTATA	AAATTTT	AATTGAT	TTTATTTT	TACACAGT	AATTT	67740	
PolarBear	TTTAAGA-	- - -	ACTTGA	CTGA	AATTT- -	GCAATCA	GTA- - - -	TAATA-	CATTTTA	AAT-	GGTTTAT	TTTACACT	GTAATTT	28082	
Cow	CGTTGGATTTTCCAGGCTAGAGTA-	-	CTGTAGT	GGGTT-	GCCATTT	CCTTTT	CCAGGG	GAATCTT	CCCGAT	CCAGGGAT				65153	
Dog	TCTGAGA-	- - -	ACTTGA	CTGA	AATTT- -	GGAATCA	ATA- - - -	TAGTA-	CATTTTA	AATTGAT	TTTGT	TTTACACAGT	AATTT	58747	
BelugaWhale	CATCTAG-	- - -	CACAAGT	CATAGCAG-	TTTATCAT	GACC-	ATAATAG	ATTCTTT	AGGTTGGT	AACATTCT	TTTCTT	GAGA-		58253	
Donkey	TCTAAGT-	- - -	ACATGA	CTGA	AATTTA	AATTACT	TTTGA	ATCAGT	ATTATA	AAATTTT	AATTGAT	TTTATTTT	TACACAGT	AATT-	64784
Cat	TCTAAGG-	- - -	ATTTGG	CTGA	AATTC-	GGAATCA	ATA- - - -	TTATA-	CATTTTA	AATTGG	TTTAT	TTTACATA	AATGGTTT	65462	
Ferret	TCTAAGA-	- - -	ACTTGA	CTGA	AATTT- -	GGAATCA	ATAACA-	ATAATA-	CATTTTA	AATTGG	TTTAT	TTTACACAGT	AATTT	66211	
Lion	TCTAAGG-	- - -	ATTTGG	CTGA	AATTC-	GGAATCA	ATA- - - -	TTATA-	CATTTTA	AATTGG	TTTAT	TTTACATA	AATGGTTT	63169	
Vaquita	CATCTAG-	- - -	CACAAGT	CATAGCAG-	TTTATCAT	GACC-	ATAATAG	ATTCTTT	AGGTTGGT	AACATTCT	TTTCTT	GAGA-		59606	
Pig	TATGGAGGTTCCAGGCTAGGGGT-	-	CTAATCG	GAGCT-	GTAGCC	GCCGGC	CTATGCC	CACAGCC	CCAGCA	ACGCGGGAT				58328	

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Majority	X- - - - TTAAGACT- - AGCTTTTATACTTGGCTTCTXTT- - - - - TT- ATTTTCT- - - - - X- - - - TTAGTGA- - -	
	85610 85620 85630 85640 85650 85660 85670 85680	
Human	T- - - - TTAAGACT- - AACATTTATGTCTGGCTTTTCTG- - - - - TTTCT- - - - - TTAATG- - -	67784
PolarBear	T- - - - TTAAGACT- - AGCTTTTATACCTGGCTTTTTTATACCTTTTCTTTTCT- - - - - T- - - - TTAGTAA- - -	28139
Cow	CGAACCCGGGTCT- - - - CCCACATTGTAGGCAGCCACTTCACCATCTGAGCCACCAGGGAAACAGATAACTAGGTGAT- -	65227
Dog	C- - - - TTAAGACT- - AGCCTTTATACCTGGCTCCTCTT- - - - - CTTTTTCT- - - - - T- - - - TTTATTA- - -	58794
BelugaWhale	- - - - - GAATCT- - - - CTGTCACTGTGTGGGGCTAATTTAAGGCTTTATTCCT- - - - - CAACTTGG- - - - -	58305
Donkey	- - - - - TT- - T- - TAAGCTTCTAAT- - - - - TTCTTT- - - - - TAGTG- - -	64810
Cat	A- - - - TTAAGACT- - AGCATTTATACTTGGCTTCTCTT- - - - - T- TTCTTTTAGT- - - - - G- - - - CTAGGGC- - -	65513
Ferret	TA- - - TTAAGACT- - AGCTTTTATACTTAGCTTCTCTT- - - - - TTTTCT- - - - - T- - - - TTGGTAA- - -	66258
Lion	A- - - - TTAAGACT- - AGCATTTATACTTGGCTTCTCTT- - - - - T- TTCTTTTAGT- - - - - G- - - - CTAGGGA- - -	63220
Vaquita	- - - - - GAATCC- - - - CTGTCACTGTGTGGGGCTAATTTAAGGCTTTATTCCT- - - - - CAACTTGG- - - - -	59658
Pig	CCAAGCCACATCTGCAACCTACACCACAACAGCTCATGGCAACGCCGGATCCTCAACCCACTGAGCAAGGCCAGGGATTG	58408

Majority	- - - - - C- TA- AGGATCACAGT- - GTCTCAGAA- - - AATGTAXTTTTTTC- AAGAAGGXAGACTGAGTG- - CTTTGT	
	85690 85700 85710 85720 85730 85740 85750 85760	
Human	- - - - - C- TA- GGTATCACAGT- - GTCTCAGAA- - - AATGTAATTTGTTCAAAGAAAGGAGACTGAGTG- - CTTTGT	67846
PolarBear	- - - - - C- TA- GGGATTACAGT- - GTCTCAGAA- - - AATGTAATTTTTC- AAGAAGGAAGACTGAGGG- - CTTTGT	28200
Cow	AATTCCTTTCTGCCAAATATTTAGGGGATTCACTTTATTTTGTATCATTTTTGTATCTAAGCAGTTGACTGAGTTTAGT	65307
Dog	- - - - - C- TA- GGGATTACCGT- - GTTTCAGAA- - - AATGTAACTTTTTC- AAGAAGGAAGACTGAGTG- - CTTTGT	58855
BelugaWhale	- - - - - CTTGTAAGTAGATAAT- - - ATTGACTA- - TGGTGTACCATTTTTTAAAGTCAAGAGT- - - - - GAGA	58361
Donkey	- - - - - C- TA- GGGATCACTGT- - GTCTCAGAA- - - AATGTAATTTATTC- CAGAAGGGAGACCGAGTG- - CTTTGT	64871
Cat	- - - - - T- TACAGTGTCTCAGT- - GTCTCAGAA- - - AATGTACTTCTTTC- AAGAAGGGAGACCTAGTG- - CTTTGT	65575
Ferret	- - - - - C- TA- AGGATTACAGT- - GTCTCAGAA- - - AATAGAATTTTTCCAGGAAGGAAGACTGAGGG- - CTTTGT	66320
Lion	- - - - - T- TACAGTGTCTCAGT- - GTCTCAGAA- - - AATGTACTTCTTTC- AAGAAGTGAAGACCTAGTG- - CTTTGT	63282
Vaquita	- - - - - CTTGTAAGTAGATAAT- - - ATTGACTA- - TGGTGTACCATTTTTTAAAGTCAAGAGT- - - - - GAGA	59714
Pig	AACTCGCAACCTCCTGGTTCCTAGTCGGATTGTTAACCATTGAGCCATGACGGGAACTCCTAATTTTGGTAACTTGAGA	58488

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Majority	AATT- - - - AATTAGAAATCTGACATCTAAATA- CATAATC- AC- AAATCXGGCAGACTATTAGTTATT- - - - CACATAT								
	85770	85780	85790	85800	85810	85820	85830	85840	
Human	AATG- - - -	AGTTTAAAATCTGACATCTAAAATACATAATC- AC- AAATGTGGCCGACTATTAGTCATT- - - -	CACATAT	67915					
PolarBear	AATT- - - -	AATTAGAAATCTGACATCTAAATA- CATAATC- AC- AAACCTGTCAGACTATTAGTTATT- - - -	CATATAT	28268					
Cow	CATTTT	GGAATCAATATTATAAAATTTTAATTGGTTTATTTTACACAGTAAGTTTTTATGTGGCTTCTCTGCTTCTTTCTT	65387						
Dog	TATT- - - -	AATTAGAAATCTGACATCTAAATA- CATAATC- AC- AAACCCGGCCAACACTATTAGTTATT- - - -	CACGTAT	58923					
BelugaWhale	CA- - - -	GTAATGAGTGATACA- - - - TGGCCT- - TTGCTT- - - - - GTAATTGTTACTGTGAATTCCTTA- - -	AATTTTTT	58421					
Donkey	AATT- - - -	AGTTAGAAATCTGACGTCTAAATA- CATAATC- AC- AAACGTGGCAGACTATTAGTTATT- - - -	CACATAT	64939					
Cat	AAAT- - - -	AATTAGAAATCTGACATCTAAATA- CATAATC- AC- AAATCCAGCAGACTATTAGTTATT- - - -	CACGTAT	65643					
Ferret	AATT- - - -	AATTGGAAATCTGACATCTAAATA- CATAATC- A- - AAACCTGGCAGAGTATTAATTATT- - - -	CACATAT	66387					
Lion	AAAT- - - -	AATTAGAAATCTGACATCTAAATA- CATAATC- AC- AAATCCAGCAGACTATTAGTTATT- - - -	CACGTAT	63350					
Vaquita	CA- - - -	GTAATGAGTGATACA- - - - TGGCCT- - TTGCTT- - - - - GTAATTGTTACTGTGAATTCCTTA- - -	AATTTTTT	59774					
Pig	CA- - - -	A- AATTAACCTTTTA- - TTCTAATTT- TCTGATACATCTAGCACACGTCATAGTAGTTTATC- -	ATGACCATAT	58558					

Majority	TCTACTTCAGAGAACAAXGTGAT- - - AAAAATCCTTGAGATT- TATAAATTGAGACATCGTTATTATG- ATCATTTTA- -								
	85850	85860	85870	85880	85890	85900	85910	85920	
Human	TCTGTTTCAAAGAACACAGT	GAT- - CAAAAATCCTTCAGATT- -	ATAAATTGAGACATCATTATAATGGATCATTTTA- -	67989					
PolarBear	TCTACTTCATATAACAAAGT	GAT- - AAAAATCCTTGAGATT- TATAAATTGAGACATCGTTACTATG- ATCATTTTA- -	28341						
Cow	TCAGAGTTAGGAATCACTGTGTCTTCAAAAATGCAGTTTATT- TAAGAATGGAGATGAGTGCTTTGTA- ATTAGTTAGAA	65465							
Dog	TCTACTTCATAGAACAAGT	GAT- - AAAAATCCTTGAGATT- TATAAATTGAGACATCATTACTATG- ATCATTTTA- -	58996						
BelugaWhale	TAACTGATAGAAATTATTTATA- GAAAAGACAAAAATCAGCATTTACTGAATAGTTTCTATGTCATA- GGCATTCTGCA	58499							
Donkey	TCTACTT- - - - -	CAAGGTGAT- - CAGAAATCCTTGAGATT- -	ATAAATTGAGACATCATTATAATG- ATCATTTTA- -	65005					
Cat	TCTACTTCAAAGAACAAGGT	GAT- - AAAAATCCTTGAGATT- -	ATAAATTGAGACGTTGTTACTATG- ATCATTATA- -	65715					
Ferret	TCTACTTCATAGAACAAGAT	GAT- - AAAAATTCTTGAGATT- TATAAATTGAGACATTGTTACTATG- ATCATTTTA- -	66460						
Lion	TCTACTTCAAAGAAAAAGGT	GAT- - AAAAATCCTTGAGATT- -	ATAAATTGAGATGTCGTTACTATG- ATCATTTTA- -	63422					
Vaquita	- AACTGATAGAAATTATTTATA- GAAAAGACAAAAATCAGCATTTACTGAATAGTTTCTATGTCATA- GGCATTCTGCA	59851							
Pig	TCATCTTGAGATAACATTCTTCCCAGAGAATCTGTGTACCGTGTGGCGTAATTTAAGCCTTTAT- - -	TCCCTTA- - -	58632						

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Majority	GGAA- - - - -	GATAATGTGTACAAAGAXTACTTAA- -	TGTTAGAGCTTTCCATGTATTTTGAGT- - - - -	
	86090	86100	86110	86120
	86130	86140	86150	86160
Human	GAGA- - - - -	GAGACTGTGTACAAAGAGTGT- A- -	TTTTAGAGCTTTCTTGTATTTCAAAT- - - - -	68147
PolarBear	GGAA- - - - -	GATAATGTGTACAAAGAATACTTAA- -	TGTTAGAGCTTTCTATGCATTTTGAGT- - - - -	28501
Cow	GGGGTGGATCACTTTT	TAGAAAATTGCTAAAAGTAATTTTCA- -	TGATCACGCTATCTACATTTTTTAAATTAATGCAGT	65701
Dog	GAAA- - - - -	GATAATGTGTACAAAGAATACTTAA- -	TGTTAGAACTTTCTATGCATTTTGAGT- - - - -	59148
BelugaWhale	AGAA- - - - -	ACAAGGGTAAAATACCAAGAAA- - - -	CTTCA- - - GCTAGCGTCAAACATATGACCGTAGTAATCACTTT	58678
Donkey	GGCA- - - - -	GATAATGTATAAAAAGAATACTTA- -	TTTTAGAACTTTCTAAGTATTTTGAGT- - - - -	65164
Cat	GGAA- - - - -	GGTGCCGTGTACAAAG- TACTT- - - -	TG- - - GAGCTTTCCATGCATTTTGAGT- - - - -	65868
Ferret	GGAA- - - - -	GATAATATATACAAGGA- TACTTA- - -	TATTAAGCTTTCTGTGCATTTTGAGT- - - - -	66619
Lion	GGAA- - - - -	GGTACTGTGTACAAAGAGTACTT- - -	TA- - - GAGCTTTCCATGCGTTTTGAGT- - - - -	63577
Vaquita	AGAA- - - - -	ACAAGGGTAAAATACCAAGAAA- - - -	CTTCA- - - GCTAGCGTCAAACATATGACCGTAGTAATCACTTT	60053
Pig	CCTGCGACCTACATCGCAGCTGTGGCAACTGGGTCTTTA	ACCCTGCACTGGGC- CATGGGTTGAACCCGTGCCTC		58855

Majority	- - - - - TGAAT- - - - -	AAAGTA- - - - -	XXGTCAGCCATCTCATCATAT- GGCCTTAACAGAAAGGC	AAAACAAACTTTTT	
	86170	86180	86190	86200	86210
	86220	86230	86240		
Human	- - - - - TGAAT- - - - -	AAAGTA- - - - -	AACAGGCATTCTCATCATAAAGTTTTTAAAAGAAAGGC	AAAGCAGACTTTCT	68204
PolarBear	- - - - - TGAAT- - - - -	AAAGTGG- - - - -	CAGTCAGCCATTTTCATCATAT- GGCCTTAACAGAAAGGC-	AAACAAATTTTTT	28564
Cow	T- - AATACATTCCAAGAATAGAGCCTTCTGTGTGGCAGCCTTTCTCAT-	CATATAGTTTTAAAAGAAAAGCAA	AACTTTGT		65778
Dog	- - - - - TGAAT- - - - -	AAAGTAA- - - - -	GAGCAAGGTATCTCATCATAT- GACCTTAACAGAAAGGC	CAGACCAAATTTTTT	59212
BelugaWhale	CT- - - TGGACCCTAAGAGC- - - - -	TATGTGTGTTTGCTTATTTGG- - -	GTGTA- - - - - -	GTTAGATGAG- - -	58733
Donkey	- - - - - TGAAT- - - - -	AAAGTA- - - - -	TTAGTCAGCCATTC- - TCAAAG- GATCTTAGCAGAAAGGC	CAGAGCACTTTTT	65226
Cat	- - - - - TGAAT- - - - -	AAAGTAA- - - - -	TTGTCATCCATTTCTTCATAT- GGCCTTAACAAAAGGCAATACAAA	AACTTTTTT	65932
Ferret	- - - - - TGAAT- - - - -	AAAGTAG- - - - -	CAGTCAGCCATCT- - - - -	TAT- GGCCTTAACAGAAAGGCTAAACAAGTTTTTT	66678
Lion	- - - - - TGAAT- - - - -	AAAGTAA- - - - -	TTGTCATCCATTTCTTCATAT- GGCCTTAACAAAAGTCAATACAAA	AACTTTTTT	63641
Vaquita	CT- - - TGGACCCTAAAAGC- - - - -	TATGTGTGTTTGCTTATTTGG- - -	GTGTA- - - - - -	GTTAGATGAG- - -	60108
Pig	TGCAGTGGATTCTAACCCTGCACTGCACTGGGC- CATGGGTTGAACCCGTGCCTC				58929

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Majority	TXAG- GAGTGXGTCCCAGCA- GTTTGTAGTTTTTTAAGA- TCCCAAGATGGTTTTACTATGTAGTGGGAGTTGATAATTA								
	86410	86420	86430	86440	86450	86460	86470	86480	
Human	TTAAAGAGTGGGT	CACAGGC-	ATTCCTATGTTTT	TAGGA-	TCTCAAGATGGTTTT	ACTATGTAGCAAGAG	TTGAGAATTA		68431
PolarBear	TAAG- TAGTGAGT	CCTAGGA-	GTTTGTAGTTT-	- - AAGA-	TCTCAAGATGGTTTT	ACTGTGTAATGAGAG	TTGATAATTA		28787
Cow	CTGC- AAGTGGGGT	TCCGTGCATTT	GTAATTGTTT	AAGT-	TCCAAGATGGTTTT	ACTATGTAGTGGG	AGTTGAGCATT		65999
Dog	TGTG- GAGTGAGT	CCTAGCA-	GTCCATAGTTT	CTTAAGA-	TCTCAAGATGCTTTT	ACTGTGTAATGGG	AGTCTGATAAT		59418
BelugaWhale	TAC- - - - -	AGTTACACCATA	ACT- - AACTTCT-	- GTC-	TTATTCAGTGCTTTT	ATCATTTC	CAAGTGTTCACAT		58918
Donkey	TTAG- GAGCGGGT	CCCAGAC-	GTTTCGTATTTTT	TAAAGA-	TCCCAGATGGT-	TTACCATGCAGTGGG	AGTTGAGAATTA		65458
Cat	TGAG- GAGTGTGT	CCCAGTA-	GTTTGTAGTTTT	CAAGA-	TCCAAGATGGTTTT	ACTCTGTAGTGG-	AGTTGATAAATA		66162
Ferret	TGAA- TAGAGTCT	CCTAGGA-	GTTTGTAGTTTT	TAAAGA-	TCTCAAGATGGTTTT	ACTATGTAATGTGA	ATTGATAATTA		66905
Lion	TGAG- GAGTGTGT	CCCAGTA-	GTTTGTAGTTTT	CAAGAA	TCCAAGATGGTTTT	ACTGTGTAATGGG	AGTTGATAAATA		63873
Vaquita	TAA- - - - -	AGTTACACCATA	ACT- - AACTTCT-	- GTC-	TTATTCAGTGCTTTT	ATCATTTC	CAAGTGTTCACAT		60295
Pig	CAGG- CTAGGGGT	TGAATCGGAGCT	GTAGCCACC-	GG- - - C-	CTACGCCAGAGCC	ACAGCAACGTGGG	ATCCGAGCCGCG		59140

Majority	- CTGCTATAGAGAAAAGTTXGTAA- - TTTTGTAGATGCTAAATTT- AGCTTTTTTA- - - - GCAAAGTTAATGGTGTCTCAA								
	86490	86500	86510	86520	86530	86540	86550	86560	
Human	- CTGCTACAGAAA-	G- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	AGCTTGT	68452
PolarBear	- CTGTTACAGAGAAA	AGTTTGTAA-	- TTCTTAGATGCTAAAT	TTTTAGCTTTTT	AGCTAGCAAAGTTA	AGGGTGTCTCAA			28864
Cow	- CTGCTATAGAGAAA	AGTATGTAAT-	- ATTTTAGATGCTTT	ATTTTAGCTTTTTA-	- - - GCACAGTTATT	AGTGTCTCAT			66072
Dog	- CTGCTATAGAGAAA	AGTTCGTAA-	- TTTTGTAGATGGTAA	ATTTTAGCTTTTTA-	- - - GCAAAGTTAAT	GGTGTCTCAA			59491
BelugaWhale	- TTGC- ATTA	AAAAGACTATG-	- - - - -	AGTAAAGTTGCTCAG	TTT- - - TTAGTAA-	- - - ATAAATTTGGT	GTCTTCTTCAG		58983
Donkey	- CTGCTATAGAGAAA	AGTTTGTAAAT	TTTTTAAAGTTCTAA	ATTTTAGCTTTTTAG-	- - - - CAAAGTTATT	GGTGTCTCGT			65532
Cat	- C- - - - -	AGAGAAAAGTTAG	TAA- - TTTTGTAGAT	GCTAAATTT- AGCT	TGTTA- - - -	GCAAAGTTAACAGA	ATTCTCAA		66228
Ferret	- CTGCTATTGAGAA-	- GTTTGTAA-	- TTTTGTAGATCCTA	AGTTTAGCTTTTTA-	- - - GCAAAGTTAAG	AGTGTCTCAA			66976
Lion	- C- - - - -	AGAGAAAAGTTAG	TAA- - TTTTGTAGAT	GCTAAATTT- AGCT	TTTTA-	- - - GCAAAGTTAACAGA	ATTCTCAA		63939
Vaquita	- TTGC- ATTA	AAAAGATTATG-	- - - - -	AGTAAAGTTGCTCAG	TTT- - - TTAGTAA-	- - - ATAAATTTGGT	GTCTTCTTCAG		60360
Pig	TCTGCAACCTACACC	ACAGCTCAC-	- GGCAACGCCGGAT	CGTTA- ACCCACT	GA- - - -	GCAAGGGCAGGGAC	GGAACCCG		59213

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Majority	ATAAAATTAACAAGTAAACTTTTTAAAT- - - - ATTCTTTTAAAATTATTTTTAAGTGATTTCTGAAAGCTT- - - - -							
	86730	86740	86750	86760	86770	86780	86790	86800
Human	ATAAAATTAACTGGAAAACCTT- - - - - TGATTT- - - - - TCTTTCTTTG- - - - T- - T- - - - - - - - - - 68589							
PolarBear	ATAAAATTAATAAGTAAACTTTAAAAT- - - - ATTCTTTTAATGTTATTTTTAAGTGATTTCTGAAGC- - - - - - - - - 29063							
Cow	ATAAAATTAACAAGCAAACCTTGTTTTT- TAAATATTTTTAAAAACAATATTTTTAAAACCTTAAATGACTTGTGAAC- - - T 66301							
Dog	ATAAGATTAACATGTAAACTT- - AAAT- - - - ATTTTTTAAAATTATTTTTAAGTGGTTTCTGAAATCTTTGGTTTT- CT 59691							
BelugaWhale	- - - - - TTTAGCAATAAAGTATTTTGT- - - AATTAAGGTATATACATTTTTTTTAGACATAATGATGTTTACACAC- - - T 59189							
Donkey	TTAAAATCAACAAGTAAACTTATTTTTAAACTTAATTTTTAAAACCTTATTTTTAAAAGAGTTCTGAAAACCTTTTGTTTTTCT 65762							
Cat	ATAAAATCAACAAGTAAACTTTAAAAC- - - - ATTCTTTTAAAATTATTTTTAAGTAATTTCTGAAAGCTT- - - - - - 66422							
Ferret	ATAAAATTAACAATAAGCTTTGAAAT- - - - TTTCTTTGAAAGCTATTTTTAAATGATTTCTGACAC- - - - - - - - - 67181							
Lion	ATAAAATCAACAAGTAAACTTTAAAAT- - - - ATTCTTTTAAAATTATTTTTAAGTAATTTCTGAAAGCTT- - - - - - 64141							
Vaquita	- - - - - TTTAGCAATAAAGTATTTTGT- - - AATTAAGGTATATACATTTTTTTTAGACATAATGATGTTTACACAC- - - T 60567							
Pig	CATTATTTAATCCTTAAATAACCAAAGCAGATGGCAACAAAATT- TATTTTCATAGTTTCTGAGAGGTTTAAA- - - - - 59438							

Majority	TTGTTACTTTTGAATGGGTTATTCACATGGTAATTTTTTAAAAC- TTTTTACTATCAXAGATTTTCAGTCATCATATACTA							
	86810	86820	86830	86840	86850	86860	86870	86880
Human	- - - - - ACATTTGTATGGGTTATTCATTTGGTAATATTT- - - - ATTAATTTATTATTAGAGATTTCA- - - GCTATTTGCTA 68657							
PolarBear	TTGTTACTTTTGAATGGGTTATTCACATGGTAATTTTTAAGAGC- TTTTTACTGTTAAAG- - TTCAGTCATCATATAGCA 29140							
Cow	CTTTTTTTTTTGAATGGGTTATTTACATGGTGATTTTTTAA- AAGCTTTTATTAAAGTTTTTTTTTTTTTATCATATACTG 66380							
Dog	TTGTTACTTTTGAATGGATTATTTGCGTAGTAATTTT- - - AAAC- TTTTTACTATGAAAG- - ATTT- CAGTCATATACTA 59764							
BelugaWhale	- - - - TAATAGACTACAGTATACTGTAAACATAGCTTTTTGTA- TGCACAGGAAAATGATAAAATTTGTGTGACTCACTTTA 59264							
Donkey	TTGTTACTTTTGAATGGATTATTCACATGGTAATTTTTTAAAAC- TTTTTATCATCAGAGATTTTCAGTCATCATATACTA 65841							
Cat	TTGTTATTTTCAATGGGTTATTCATATGGTAGGTTTTAAAAC- TTTTTACTATCAAAGATTTTCAGTCATCATATACCA 66501							
Ferret	TTGTTACTTTTGAATGGGTTAT- - - CATGGTAATTTTTTAAAAAAGTTTCTACTGTCAGAG- - TTCAGTCATTATATAGCA 67256							
Lion	TTGTTATTTTCAATGGGTTATTCATATGGTAGGTTTTAAAAC- TTTTTACTATCAAAGATTTTCAGTCATCATATACCA 64220							
Vaquita	- - - - TAATAGACTACAGTATACTGTAAACATAGCTTTTTGTA- TGCACAGGAAAATGATAAAATTTGTGTGACTCACTTTA 60642							
Pig	- - - - - TTTGATGTGCAGGTCATTAAAGAAACAGTTTAAAGGTAATAAGCAAGAACTTCAGCTAGTGTCAAACATAGGA 59513							

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Majority	TTTCTT-----ACCAAACCATAATATGATTATCACACXXATCAAATTTGACAATGATTTCTT								
	87050	87060	87070	87080	87090	87100	87110	87120	
Human	TTTCTT-----ACCAAACCATAATATGATTATTACACTTACCAGAATTGACAATGATTTCTT								68866
PolarBear	TTTCTT-----ATCAAACCATAATATGATGATCATACCCATCAAGTTTGACAATGATTTCTT								29343
Cow	TTTCTTA---GCAACCATACCTGATGGAAGTTGATTA AACCTGATCATAAACTTACCAAATTTGAGAATGGTCTCTT								66602
Dog	TTTCTTTTTTTAATAATGACATTTTCTTATCAAACCATAATATGATTATCACACTCATCAAATTTGACAGTGATTTCTT								59997
BelugaWhale	TAT-----GTGAATTCACCTTCCTTTACCAAAT---GACTTCATCG-----TTTACCTGTTTT---AATGGTTTTAC								59446
Donkey	TTTCTT-----ACCAAACCATAATGTGATTATCA-ACCTATCAAATTTTTCAATGATTTCTT								66046
Cat	TTTCTT-----ACCAAACCATAATATGATTATCACACCCATCAAATTTGACAGTGACTTCTT								66712
Ferret	TTTCTT-----ATCAAACCATAATATGATTATCATACCCATCAAATTTGACAGTGATTTCTT								67464
Lion	TTTCTT-----ACCAAACCATAATATGATTATCACACCCATCAAATTTGACAGTGACTTCTT								64431
Vaquita	TAT-----GTGAATTCACCTTCCTTTACCAAAC---GACTTCATCG-----TTTACCTGTTTT---AATGGTTTTAC								60824
Pig	TTTTTCC---TTGAAAGCTCATGGCCTTGGTGGATTTTTTTTTAAGTA-ATAACAAGTCTTTTTGAAGAAAGATTATGA								59727

Majority	AATGTCATTGAATACCCAATCCATCTTCAAATTTCCCCAGTTGTCTCAAAAAA-TGTXTTTTAAGXGTTGATTTGTTTCAG								
	87130	87140	87150	87160	87170	87180	87190	87200	
Human	AATGTCCTCAAATACCCAGCTTACATTTAAATTTCCCCAATTATTTTGAAAAT---GCTTTTAAAGTTTGATTTGTTTCAG								68943
PolarBear	AATGTCATTGAATACCCAATCCATGTTCAAATTTCCCCAGTTGTCTCAAAAAA-TGATTTTTAAGAGTTGATTTGTTTCAG								29422
Cow	AATGTTG-A-ATACCCAGTTCATCTTGAA-TTTCCCCAATTGTCTCAAAAAA-TGTTTTTAAAGGTTGATTTGTTTCAG								66677
Dog	AATGTCACTGAATACCCAATCCATCTTCAAATTTCCCCAGTTGTCTCAACA-----TATTTTAAAGACTTGATTTGTTTCAG								60072
BelugaWhale	ATCTT-----ATAACTGGGTTTTTTTA-----TTTTAAATGTCTGCAGATAG-TTTTTGAAAATGGGTGAGTTATAAGT								59514
Donkey	AATGTCGTTGAATACCCAGTCCATCTTCAAATGTCCCCAGTTGTCTCAAGAAATGTTTTTTAAGGTTTATTTGTTCAA								66126
Cat	AATGTCATTGAGTACTCAATCCATCTTCAAATTTCCCTGGTTTTCTCAAAAAA-TGATTTTTAAGAGTTGCTTTGTTTCAG								66791
Ferret	AATGTCATTGAATACCCAATCCATCTTCAA-TTTCCCCAGTTGTCTCAAAAAAATGATTTTTAAGAGTTGATTTGTTTCAG								67543
Lion	AATGTCATTGAGTACTCAATCCATCTTCAAATTTCCCCGTTTTCTCAAAAAAATGATTTTTAAGAGTTGCTTTGTTTCAG								64511
Vaquita	ATCTT-----ATAACTGGGTTTTTTTA-----TTTTAAATGTCTGCAGATAG-TTTTTGAAAATGGGTGAGTTATAAGT								60892
Pig	AGCCCTG-ACATAACTAACTTGTGTC-----TTGTTTCAGTGCTTTTATAAGT-CATTTTTCAAGTACTGCACATTTTGC								59799

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Majority	- - - GAGAAAGTCCTACAGTCTGGATTGGTGTGGCTGTTT- - - CTTTGTAGTGT CATCTT- - - - - AACTTGTTCTC- -	
	87370 87380 87390 87400 87410 87420 87430 87440	
Human	- - - - AGAAAGTTTCACAGATTAGACTAGTCTGGCTGTTT- - - - CTTTAGAGTGT CATGTT- - - - - AACTTGTTCTC- -	69142
PolarBear	- GAGAAAAAGCCCTACTGTCTTAATTGGTGTGGCTGTTT- - - - CTTTGTAGTGT CACCTTT- - - - - AACTTGTTCTC- -	29623
Cow	AGAAACCTAGTTATATCCTTTTAGAAAAATGCCACAGTCTG- - GATTGGTCTGGCTATAGTAGCATTAACTTGTTCTT- - -	66910
Dog	- - GGGGAAAGTCCTACAAACTTGATTGGTGTGGCTGTTT- - - - CTTTGTAGTGT CATCTT- - - - - AACTTGTTCTC- -	60270
BelugaWhale	- - - - ACTGAG- - AATTTTTTTTAAAAATTGATAATTATAATA- GCTTCATAACATTCTAGTGGATATATAATACTTTTG- -	59713
Donkey	- - - - AGAAACTTCCACAGTCTGGATTG- TCTGGCTGTTT- - - - CTTTGTAGTGT CATCTT- - - - - AACTTGTTCTTC- -	66323
Cat	- - - GAGAAAGTCCTACAGTCTGGATTGGTGTGGCTCTTT- - - - TTTTGTAGTGT CATCTT- - - - - AACTTGTTCC- -	66982
Ferret	- GAGAAAAAATCCTTTAGTCTTGATTGGTGTGGCTGTT- - - - CTTTGTAGTGT CATCGT- - - - - AACCTGTTCTC- -	67736
Lion	- - - GAGAAAGTCCTACAGTCTGGATTGGTGTGGCTCTTT- - - - TTT- GTAGTGT CATCTT- - - - - AACTTGTTCC- -	64693
Vaquita	- - - - ACTGAG- - AATTTTTTTTAAAAATTGATAATTA- - - - - GCTTTATAACATTCTAGTGGATATATAATACTTTTG- -	61083
Pig	GCAAATTGA- - - AGGTTCCATGGCAACCCTCCCTTGT CAGATGATGGGTAGCATTCTTTTAGCAGTAATATGTTTTTAAC	60031

Majority	- CATCCAT- TG- CATTTTTTATGTAAACCAGAAGTTAGCTCCAAAAGCTTGATTAGATTTAGATTCTGT- - - - TATT- - -	
	87450 87460 87470 87480 87490 87500 87510 87520	
Human	- TATCTGC- TG- TGTTTCTTATATAAACTTAAAGTTAGTTCCAAAAGCTTGATAAGATTTAGAGCCTTT- - - - - - - - - - -	69208
PolarBear	- CATCCAT- TG- CATTTTTTATGTAAACCAGAAGTTAGCTCCAAAAGCTTGATTAGATTTAGGTTCTGT- - - - TATTTAT	29696
Cow	CAATCCAC- TG- CATCTTTTATATAAATAAGAAATTAGCTCCAAAAGCTAGATTAGATTCAGATTCTGT- - - - TATT- - -	66981
Dog	- CATCCAC- TG- CATATTTTATGTAGACCAGAAGTTCGCTTCCAAAAGCTTGATTAGATTTATGTCCTGT- - - - TA- - - - -	60338
BelugaWhale	- GAAGTAT- - - - - GTTGGACATTTAGTC- - - - - - - - - - - TACTTTCATAC- - - - - - - - - - - TTTTCAT- TAGTA- - - TAAA- - -	59762
Donkey	- CATCCACTGCGTTTTTTTTAATGTAAACTAGAAGTTAGCTCCAAAAGCTTGATGAAGTTTAGGTTTTGTTATTTGTTTGC	66402
Cat	- - - - - - - - - - - A- - - - - - - - - - - TGTGAACCAGAAGTTAACTCCAAAAGCTTGATTAAATTTAGATTCTGT- - - - TATT- - -	67035
Ferret	- CATCCAT- TGGCATTTTTTTATGTAAACCAGAATTTAGCTCCAAAAGCTTCATTAGATTTAGGTTCTGT- - - - TATTTAT	67810
Lion	- - - - - - - - - - - A- - - - - - - - - - - TGTGAACCAGAAGTTAACTCCAAAAGCTTGATTAAATTTAGATTCTGT- - - - TATT- - -	64746
Vaquita	- GAAGTAT- - - - - GTTGGACATTTAGTC- - - - - - - - - - - TACTTTCATAC- - - - - - - - - - - TTTTCAT- TAGTA- - - TAAA- - -	61132
Pig	TAAGGTATATA- CATTGTTTTTTTAGACATAATGCTGTTTGCACA- - CTTAAC- AGATTACAATATAGTG- - - TAAA- - -	60101

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Majority	- TATATTTTTCAA- - - - - XCAAGAATACTTAATAG- - - XTXTTCTTGTGTTTCATATTGTATXT- - GTTGGAAGCAT								
	87530	87540	87550	87560	87570	87580	87590	87600	
Human	- TTTTTTTTTGA-	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	69260
PolarBear	TTATATTTTTCAA-	- - - - -	GCAAGAGTACTTTATAG-	- - - - -	GTGTTCTTGTGTTTCATATTGTATCTCAGTTGGAAGCAT	- - - - -	- - - - -	- - - - -	29765
Cow	- TACATTTTTAAA-	- - - - -	GCAAGAATATGGAATAT-	GATGTTCTTGTGATCTCAGTTGGAAGC-	- - - - -	GTAAAATATAT	- - - - -	- - - - -	67049
Dog	- CATTTTTTTCAA-	- - - - -	GCAGGAATACTTTATAGTAGGTGTTCTTGTGTTTCATGTTGTATCTTAATTGGAAACAT	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	60409
BelugaWhale	- TGGTGCTGTGAC-	- - - - -	AAACACCTGTACA-	- - - - -	TAACTTTTTTGTCTCTTATT-	- - - - -	- - - - -	TACTTAG	59814
Donkey	TTATATTTTTAAA-	- - - - -	GCAAGAATACTTTATAG-	- - - - -	GTGTTCTTGTGCTTCATATTGTATCTTGGTTGGAAGCAT	- - - - -	- - - - -	- - - - -	66472
Cat	- TCTATTTCTCAAGAATATTCATAGGAATACTTCATAG-	- - - - -	- - - - -	GTGTTCTTGT-	- - - - -	TTCATGTTGTATGTCTATTGGAAGCAT	- - - - -	- - - - -	67109
Ferret	TCATATTTTTCA-	- - - - -	GCAAGAATACTTCATAG-	- - - - -	GTATTCTTGTGTTTCATA-	- - - - -	- - - - -	- - - - -	67857
Lion	- TCTATTTCTCAAGAATATTCATAGGAATACTTCATAG-	- - - - -	- - - - -	GTGTTCTTGT-	- - - - -	TCCATATTGTATGTCTATTGGAAGCAT	- - - - -	- - - - -	64820
Vaquita	- TGGTGCTGTGAC-	- - - - -	AAACACCTGTACA-	- - - - -	TAACTTTTTTGTCTCTTATT-	- - - - -	- - - - -	TACTTAG	61184
Pig	- CATAGTCTTTAT-	- - - - -	ATGC- ACTGGGAAACTA-	AACAAATTGTATGACTCACGTTATG-	- - - - -	GCAATGCTCAC	- - - - -	- - - - -	60165

Majority	AAAACATCTGGTTATCCCAC- - - - - TTTTAGTGATGCTTTAAGATAGATTG- TGGTTCAGGTGGTGACATTCTGAT								
	87610	87620	87630	87640	87650	87660	87670	87680	
Human	CTAATATCTGGTTGCCCACTTTTAGTGATTTTAATGATGCTTTAAGACTGATTGTGGATTTGGGTGTTGACATTCTGAT	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	69340
PolarBear	AAAATATCTGGTTATCCCAC-	- - - - -	GTTTGGTGATGCTTCAAGATGAATTG-	TGGTTCAGGTGGTGACATTCTGAT	- - - - -	- - - - -	- - - - -	- - - - -	29835
Cow	GGTTGGGTCACTTTTAGTGA-	- - - - -	TTTAGTGATACTTTAAGATTGT-	- - - - -	GGTTTCAGGTGGTGACATTCTGAT	- - - - -	- - - - -	- - - - -	67116
Dog	AAAACATCTGGTTATCCCAC-	- - - - -	ATTGAGTGTGCTTTAAGACAGATTG-	TGGTTCAGGTGGTGACATTCTGAT	- - - - -	- - - - -	- - - - -	- - - - -	60479
BelugaWhale	ACTAG- - - - ATTCCTAGAAC-	- - - - -	TAGAATCATTGGGTCAAAGAAAA-	- - - - -	TGTAAAGCCTTCTGAATCTTGTT	- - - - -	- - - - -	- - - - -	59877
Donkey	AAAACGTCTGATTATCCCAC	- - - - -	TTTAGTGATGTTTTAAGATTGATTGTCGTTTCAGGTAGTGACATTTTGTT	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	66552
Cat	AAAACATCTGGTTATCCCAC-	- - - - -	TTTAGTCATGTTTTAAAATAGATTG-	TAGTTTAGGTG-	- - - - -	TTATGAT	- - - - -	- - - - -	67173
Ferret	- AAACATCTGGTTATCCCAT-	- - - - -	GTTTAGTGATGCTTTAAGATGGATTG-	TGGTTCAGGTGGTGACATTCTGAT	- - - - -	- - - - -	- - - - -	- - - - -	67926
Lion	AAAACATCTGGTTATCCCAC-	- - - - -	TTTAGTCATGTTTTAAAATAGATTG-	TAGTTTAGGTG-	- - - - -	TTATGAT	- - - - -	- - - - -	64884
Vaquita	ACTAG- - - - ATTCCTAGAAC-	- - - - -	TAGAATCATTGGGTCAAAGAAAA-	- - - - -	TGTAAAGCCTTCTGAATCTTGTT	- - - - -	- - - - -	- - - - -	61247
Pig	TTTCCTATGATACTTGCT-	- - - - -	TTATTGTGGTGGTCCGGAACCAA-	- - - - -	AGCTGCAGTATCTGAAGTATTCT	- - - - -	- - - - -	- - - - -	60230

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Majority	ATTTTCC- - - - - TTCATCAACT- - - - - AGGXCTGTTTACCTTGTAAATTXAATTTGTTCAAGAC- - - T- - - AGTT								
	87850	87860	87870	87880	87890	87900	87910	87920	
Human	ATTTTCC- - - - -	TTCATCAACT- - - - -	AGAATTATCAACCTTGTAAATTCAATTTGTGCAGGACAATT- - -	AGTT	69556				
PolarBear	GTTCTCC- - - - -	TTCATCGACT- - - - -	AGGGCTGTTTACCTTGTAAATACAGTTTGTACAGGAC- - - - -	AGTT	30040				
Cow	CCTTTGTCAACTAGGGCTATTTACAGTTTGTGCAGGACAGTTAGTTAAGTTCTTGAATTTATTTGCTAATTTTTTA- - -	GT	67335						
Dog	GTTTTCC- - - - -	TTCATCAACT- - - - -	AGGACTGTTTACCTTGTAAATGCAATTTGTGCAGGAC- - - - -	AGTT	60679				
BelugaWhale	TATTAG- - - - -	GTACTTACA- - - - -	AGTCTCTGAATTGGTTGTCTGGATTCTTTCTAT- - - - -	TAGGACGT	60070				
Donkey	ATTTTCC- - - - -	TTCTTCAACT- - - - -	AGGGCTGTTTACCTTGTAAAT- TGGTTTCTGCAGGACAGTT- - -	AGTT	66764				
Cat	ATTTTCC- - - - -	TTCATCAACT- - - - -	AAGGCTGTTTACCTTATAAT- TGGTTTGTCTAGAC- - - - -	AGTT	67370				
Ferret	GTTTTCC- - - - -	TTCATCAACT- - - - -	AGGTCTATTTACTTTGTAAACAATTTGTACAGGAC- - - - -	AGTT	68124				
Lion	ATTTTCC- - - - -	TTCATCAACT- - - - -	AAGGCTGTTTACCTTATAAT- TGGTTTGTCTAGAC- - - - -	AGTT	65081				
Vaquita	TATTAG- - - - -	GTACTTACA- - - - -	AGTCTCTGAATTGGTTGTCTGGATTCTTTCTAT- - - - -	TAGGATGT	61436				
Pig	AATTTTTA- - -	TGGCTATACTCACAGCAGGTGGAAGTTC- CCAGGCCAGGGATTGAATCTGAGCCACAGCTGTGGCATGT	60453						

Majority	- - AAATTCTTGCATTTATTTTXXT- - - - - TGGTTTTAGGTGGAAGAAATTGATGCCAGCTTT- - - - -								
	87930	87940	87950	87960	87970	87980	87990	88000	
Human	- - AAATTCTTGCATTTGTTTGCT- - - - -	AATTTTAAAGTTGGTGCCAGCTTT- - - - -	69601						
PolarBear	- - AAATTCTTGCATTTATTTTTT- - - - -	TGGTTTTGGTGAAGAAATTGATGCCAGCTTT- - - - -	30095						
Cow	GGAAGAAGTTATGTCCAGATTTTGCTTTTAGTTTATTATG- TGTGAGTGGGTACAGACTAGATTCTTCCCTACTTCTGCT	67414							
Dog	- - GAATTCTTGAATTATTTGTT- - - - -	AGTTTTGGTGAAGAAATTGACGCCAGCTTT- - - - -	60732						
BelugaWhale	ACAAAACGTAAAATGTATATTA- - - - -	AGGATATTATGTTTCATATTTGGTATGAACTA- AGCATTCA- - - - -	ACT	60134					
Donkey	- - AAATTCTTGCATTTATTTGCT- - - - -	AGTTTTGAGTGAAGAAATTGATTCCCAGCTT- - - - -	66817						
Cat	- - AAATTCTTGCATTTATTTACT- - - - -	AGTTTTAGGTGAAGAAATTGATGCCAGCTTT- - - - -	67424						
Ferret	- - AAATTGTTGCATTTATTTGTTGGA- - - TTTATTTGTTGGTTTTTCTGGAAGAAATTGATGCCAGCTTTG- - -	TTT	68195						
Lion	TTAAATTCTTGCATTTATTTACT- - - - -	AGTTTTAGGTGAAGAAATTGATGCCAGCTTT- - - - -	65137						
Vaquita	ACAAAACGTAAAATGTATATTA- - - - -	AGGGTATTATGTTTCATATTTGGTATGAACTA- AGCATTCA- - - - -	ACT	61500					
Pig	GATGTACGCTGCATGCTGGAT- - -	CCTTTAACCCACTGTGCTGTGTTGGGGATCAAACCTTGCCTTCCCCTGCAGTGAC	60530						

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Majority	- TGTTTTT- - - - - T- ATTAATTATTTAAACCAGTTT- - A- XTGAATGGGTACAX- - - - CCTAGATTCTTCCCAA							
	88010	88020	88030	88040	88050	88060	88070	88080
Human	- TGTTTTCA-	- - - - -	GGTAAGTACTTAAACCAGCTT-	- - - -	ATGAACAGGTACAG-	- - - -	TATAGATTCTTCCCAC	69660
PolarBear	- TGTTTTT-	- - - - -	TCATTAATTATTTAAACCAGTGT-	- -	GTATGAATGGGTACAG-	- - - -	CCTAGATTCTTCACAA	30157
Cow	TTAAACTTGAAACTCTTAGTTACTTCCAGTTTTGATAGCCCTAGAGTGGTTTGAGATGGTGACCTTACCCTAGAAGTGA							67494
Dog	- TGTTTTT-	- - - - -	TTCATTTATTATGTAAACCTTTTC-	- A-	TGAATGGGTACAA-	- - - -	CCTAGATTCTTTCCAA	60793
BelugaWhale	TTATACTTATA-	- TTTTAG-	ACTGGCTAGTTACGGAA-	- - - -	AAATATTTTAAAATAA-	- - - -	TTCATCACAATCCAA	60199
Donkey	- TGGTTTT-	- - - - -	TACTAAACCAATTTA-	- - - - -	TGAAAGGATCAAG-	- - - -	CCTAAATTCTTCCCAG	66868
Cat	- TGTTTTT-	- - - - -	T- GTTAATTATTTAAACCAGTTT-	- A-	TGAATGGGTACAA-	- - - -	CCTAGATTGTTCCCAA	67483
Ferret	TTGTTTTTGT	TTTTTGT	TTTTTTATTAATTATTTAAACCAGTAT-	- G-	TGAATTGGTACAG-	- - - -	CCTAGATTCTTCTAG	68267
Lion	- TGTTTTT-	- - - - -	T- GTTAATTATTTAAACCAGTTT-	- A-	TGAATGGGTACAA-	- - - -	CCTAGATTCTTCCCAA	65196
Vaquita	TTATACTTATA-	- TTTTAG-	ACTGGCTAGTTACGGAA-	- - - -	AAATATTTTAAAATAA-	- - - -	TTCATCACAATCCAA	61565
Pig	CCAAGCCGCTGCATTTGGATTCTTAACCCACTGTGCCACAGTGGGAATGCCAGATTTTTAAATTTTAAATATCCTCAA							60610

Majority	XTTCTGCT- - - - - T- - - - TTAAACTTTAGAACT- - - - - GTAGGTTGTTTCX- - - - -							
	88090	88100	88110	88120	88130	88140	88150	88160
Human	TGTCTGCT-	- - - - -	TTAAACTTTTGAACCT- - - - -	GTCAGTTGTTTGC-	- - - - -	- - - - -	- - - - -	69697
PolarBear	- TACTGCT-	- - - - -	T- - - - TAAACTTTAGAACT- - - - -	GCAGGTTGCCTCC-	- - - - -	- - - - -	- - - - -	30193
Cow	GTGTTTTT-	- - - -	TAATTTATTTATGTTGTTATTAT-	- - - -	TA- TTTGATCTTCAGTTCAGTTCAGTCGCTCAGTCGTGTC			67564
Dog	- CTACAGT-	- - - - -	T- - - - TAAACTTCAGAAAGTAAGTAAGTTGCCTCT-	- - - - -	- - - - -	- - - - -	- - - - -	60835
BelugaWhale	ACGTTTCC-	- - - - -	ATTTACAGGACATTAAG-	- - - - -	GTGGCTTTTTTTTACCCCCACACCTTTGGTGG-	- - - -		60257
Donkey	CTTCTGCT-	- - - - -	TTAAACTTTAGAACT- - - - -	GTTGGTTGTTTCC-	- - - - -	- - - - -	- - - - -	66905
Cat	CTTCTGCT-	- - - - -	T- - - - TAAACTTCAGAACT- - - - -	GTAGGTTGCTTCTGCTTTAACTTCAGAACTG-	- - - -			67540
Ferret	- TACTCCT-	- - - - -	T- - - - TAAACTTTATAGACT- - - - -	GCAGGTTGCCTTC-	- - - - -	- - - - -	- - - - -	68303
Lion	CTTCTGCT-	- - - - -	T- - - - TAAACTTCAGAACT- - - - -	GTAGGTTGCTTCC-	- - - -	T-	- - - - -	65234
Vaquita	ACGTTTCC-	- - - - -	ATTTACAGGACATTAAG-	- - - - -	GTGGCTTTTTTTTACCCCCACACCTTTGGTGG-	- - - -		61623
Pig	TAGTTTTTGAAGTAGGTAAGTTATGTTTTAAAAATCAAATA-				GTGGAATTTAAGAGATAGCCACTTATATTTT	GATGTC		60689

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Majority	- AGGTT- - CTGGTAGCCCCAGA- GTGA- - - - - T- - - TTGAGATAGTGACCTTAGTCCAGAGGTGA- XCAGTT	
	88170 88180 88190 88200 88210 88220 88230 88240	
Human	- AGGTT- - CTGGTAGCCCCAGAG- - TGG- - - - - TTTGAAATGGTGACCTTAGCCCAGAAGT- - - - -	69747
PolarBear	- AGGTT- - CTGGTAGCCCCAGA- GTGA- - - - - T- - - TTGAGATAGTGACTTTTCGTCCAGAGGTGA- GCTGTT	30252
Cow	CAACTC- - TTGGCCACCCCATGAGTCACAGCACGCCAGGCCTCCCTGT- - CCATCACCATCTCCCAGAGTTCACTCAAAC	67640
Dog	- AG- TG- - CTGGTAGCCTCAAATGTGG- - - - - T- - - TTGAGATAGTGACCTTATTCCAGATGTGA- GCTGTC	60894
BelugaWhale	GTACCG- - TTATCTTTATGAGGAACCA- - - - - CTTACTGT- - - - - TTTGCTTTTTAAAGTAGTCA- TCAA- -	60314
Donkey	- AGGTT- - CTGATAGCCCCAGA- GTGA- - - - - TTTGAGATAGTGACCTTAGCCTAGAGGTGA- TCAGTT	66964
Cat	TAGGTT- - CTGGTAGCCCCAGA- GTGG- - - - - T- - - TTGAGATAATGGCCTTAGCCCAGAGGTGA- GCAGTT	67600
Ferret	- AGGTT- - CTGGTAGCCCCAGA- GTGA- - - - - T- - - TTGAGATAGTGACTTTAGTCCAGAGGTGA- GTAGTT	68362
Lion	- - GGT- - CTGGTAGCCCCAGA- GTGG- - - - - T- - - TTGAGATAATGGCCTTAGCCCAGAGGTGA- GCAGTT	65292
Vaquita	GTACCG- - TTATCTTTATGAGGAACCA- - - - - CTTACTGT- - - - - TTTGCTTTTTAAAGTAGTCA- TCAA- -	61680
Pig	GTTCTTATTTTTCTATGTAATAGATATTTTGTACAGAATCACCTGTATTTACTATTTTATTTGAACTGTCACTCTA- C	60768

Majority	T- - TXTTTAT- - - - GTAATAATGATTTT- - - - TTATTTTG- GTCTTAGCCAGTGGXCCAAAAAAGGGAAAX- - AGTGGT	
	88250 88260 88270 88280 88290 88300 88310 88320	
Human	- - - - - AT- - - - - GTAAT- - TATT- - - - - TAATTTG- GCCTTGACCAGTGGCCAAAAAAGGAAGG- - - GGTGG	69800
PolarBear	T- - TGTTTATTAACGTAATAATTATTTT- - - - - TTATTTTG- GTCTTAGCCAGTGGTCCAGAAAAGGGAAT- - - - G- GGT	30319
Cow	TCACGTCCATCGAGTCAGTGATGCCATC- - CAGCCATCTCATCCTCTGTCTGCCCTTCTCCTCCTGCCCC- - AATCCC	67716
Dog	T- - GGCTTATCAATGTAATAATGTTTTT- - - - - TTATTTTA- GTCTTAGCCAGTGGCCAAAAGAGGGAAGC- - AG- GGT	60963
BelugaWhale	- - ACACTCTA- - - - - AATAGTGACATACACTGTTATGTTA- GTGAGGTCATGCCTTC- - TGAATGGTGAATAATTTT	60383
Donkey	T- - GATTTAT- - - - - GTGA- - ATTTTGGGGTTTTTTT- - - - - GACTTGCCCAATGGCCAAAACAGGAACG- - - - - GG	67025
Cat	T- - TATTTAT- - - - - GTAATAATAATTTT- - - - - TTATTTTG- GTCGTAGCCAGTGGCCAAAAAAGAAAAG- - GGTGGT	67666
Ferret	T- - TGTTTATTAATGTAATAATTATTTT- - - - - TTATTTTG- GTCTTACTTAGTGGTCCAAAAAAGGGAAT- - - - G- GGT	68429
Lion	T- - TATTTAT- - - - - GTAATAATAATTTT- - - - - TTATTTTG- GTCATAGCCAGTGGCCTAAAAAAGAAAAG- - GGTGGT	65358
Vaquita	- - ACACTCTT- - - - - AATAGTGACATACACTGTTATGTTA- GTGAGGTCATGCCTTC- - TGAATGGTGAATAATTTT	61749
Pig	TGAGGATTTTTGGGAAAATGATAATTCTAATAGCTGCATAGCATGGTAATGGGTATATAACATAATACTTTTGGAAAGTAT	60848

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Majority	GT TTA- - - - - TACTTTTTAAATAT- - GATTCTATAAGA- TATGCAGTAAAAACAX- - - - - ACATCTTTTGTGAAAC								
	88650	88660	88670	88680	88690	88700	88710	88720	
Human	GT TTA- - - - - TTCTTTTTGAATA- - - - - GGATGATA- TGTACAATTAAAAAAA- - - - - ATCTTTTGTGAAAT	70109							
PolarBear	GT TTA- - - - - TACTTTTTAAATAT- - GATTCTATAAGA- TGTGCAGTAAAAACAA- - - - - ACATCGTTAGT GAAAC	30636							
Cow	ATTCAGTCAAAAAGTTAGCATCTTTTTCCTTGTATCCATATGTATGTTTGTCTGTGTCTTTTATTTTTTAAATATGAT	68109							
Dog	GT TTA- - - - - TACTTTTTAACTGT- - GATTCTATAGGT- TATGCAGTAAAAACA- - - - - TCTTTTGTGAAAC	61292							
BelugaWhale	ATTTG- GAATCCGTATTATAAAATTTTAAATTGGTTTATTT- TACACAGTAATTTT- - - - - TTAAGACTAGCATTCTTGGCT	60722							
Donkey	GT TTA- - - - - TTCTTTTTGAATAT- - GATTCTATAACA- TATTCAATAGAAACA- - - - - TCTTTTGTGAAAC	67338							
Cat	GT TTA- - - - - TACATTTTTAATAT- - GGTTCTATAAGC- TATGCAGTAAAAACAA- - - - - ACATCTTTTATGCAAC	67983							
Ferret	ATTTA- - - - - TACTTTTTAAATA- - - - - TTCTGTGGGA- TGTGCAGTAAAAACAA- - - - - ACATCTTTTGTGAAAC	68732							
Lion	GT TTA- - - - - TACATTTTTAATAT- - GGTTCTATAAGA- TATGCAGTAAAAACAA- - - - - ACATCTTTTATGCAAC	65676							
Vaquita	ATTTG- GAATCCGTATTATAAAATTTTAAATTGGTTTATTT- TACACAGTAATTTT- - - - - TTAAGACTAGCATTCTCGGCT	62087							
Pig	TTTTA- TGAGCTAGTTTATAAATTTTAAATGCTTATTAGATGTTTACAAGTCCT- - - - - TG- AGTTGGTTGTCTGGAT	61233							

Majority	ATTGCTTTCTTA- TATATGCTATTTCA- - - - - GTAGAGTGATGAG- GGGGAAAAC TACAAAXCTAGACTAATTGGAAC T								
	88730	88740	88750	88760	88770	88780	88790	88800	
Human	GTGGTTTTCTTA- AATACATTATTGCATTTTCATACACAGTGATGAA- GGGGAAAAC TACAAAGCTAGACAGATTGCAA- -	70185							
PolarBear	ATTGCTATCTTA- TATATGCTATTTCA- - - - - GTAGAGAGATGAG- GGGGAGAACTGCAAAGCTAGACTAATTGGAA- -	30706							
Cow	TCCGTAGGTGTGCAGTAAAAACATCTTCT- - - GTGAAACATGTCT- CATGTATCCCATTACAATAGAGCAATGGGGGCA	68185							
Dog	ATTGCTATCTTA- CATGTCTTATTTCA- - - - - GTAGAGTGATGAT- GGGGAAAAC TACAAAGCTAAACTAATTGGAAAT	61364							
BelugaWhale	TCTTTTTTTTAGTGCTAGGGACCAC- - - - - AGTGTCTC- - CAAAAATGTAATTTATTCAAG- - AATGGAGACT	60786							
Donkey	AGGGCTATCTTA- TGTATGCAATTACA- C- - - - TAGACTGATGAGTGGGGGAAAAAACAAAGGCAGACTAATTGGAAAT	67411							
Cat	ATTGC- - - - - A- - ATATGCTGTTTCA- - - - - GTAGGGTGATGAG- GGGGAAAAC TACAAATCCAGACAAATTGGAAAT	68048							
Ferret	ATTGCTGTCTTACTGTATGCTATTTCA- - - - - GTAGATTGGTGAG- G- - - - AAAGTCAAAGCTAGACTAATTGGAAC T	68801							
Lion	ATTGC- - - - - A- - ATATGCTGTTTCA- - - - - GTAGGGTGATGAG- GGGGAAAAC TACAAATCCAGACAAATTGGAAAT	65741							
Vaquita	TCTTTTTTTTAGTGCTAGGGACCAC- - - - - AGTGTCTC- - CAAAAATGTGATTTATTCAAG- - AATGGAGACT	62151							
Pig	TCTTTCTATGGGATGTGCAAAACAT- - - - - GTAAAATGTGTAT- TTAGGATATTACATTTATATT- TAGTATGAGCT	61303							

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Majority	TA- - - - - ATTAGTATGT- AGTAGTGAGCTAATAGAGCAGTACTCAXAT- ATTTTXXTTATA- - - - - ATTTAAGTGAT								
	88810	88820	88830	88840	88850	88860	88870	88880	
Human	- - - - - ATTAGTATTGCAGTAGTGAGGTAATAGAGCAATACCCAAATGTTTTCTTAAAA- - TATATGTAGGTGAT								70252
PolarBear	- - - - - ATTAGTATGT- AGCAGTGAGCTGTTAGAGCAGTATTCATAT- ATTTTCTTATA- - - - - TTTAAGTGAT								30767
Cow	GGGAACTACAAAGTTGAAAATTAGTATTGAGCTAATAGAGCAGTAATCGAATATTGTCTTAACAAATATATTTAAGTGCT								68265
Dog	TA- - - - - ATTAGTATGTTAGCAGTGAGCTAATCGAGCAGTACTCATATTATTTCTTATA- - - - - TTTAAGTGAT								61429
BelugaWhale	GAGGGCTTTTTAATTAGTTAGAAATCTGACATTTAAA- - - - - TACGTAATCACAACTTGGCA- - - - - GACTATTAGTT								60855
Donkey	TA- - - - - ATTAGTATTGTAGTAGTGAGCTAATAGAGTGGTACTCTCTT- TTCTTACAGTAT- - - - - ATTTAATGAT								67476
Cat	TA- - - - - ATTAGTATGT- CGCAATGAGC- AATAGACCAATACTCATCT- ATTTTCTTATAA- TATATTTAAGTGAT								68115
Ferret	TA- - - - - ATTAGTAGGT- AGCAGTGAGCTAATAGAGCAGTACTCATAT- ATTTTCTTATA- - - - - TTTAAGTGAT								68864
Lion	TA- - - - - ATTAGTATGT- CGCAATGAGC- AATAGACCAATACTCATCT- ATTTTCTTATAA- TATATTTAAGTGAT								65808
Vaquita	GAGGGCTTTTTAATTAGTTAGAAATCTGACATTTAAA- - - - - TACATAATCACAACTTGGCA- - - - - GACTATTAGTT								62220
Pig	AA- AGCTTCAACTTTATACATATATTTTAGACTGGC- - - - - CATTATGGAAAAAATTTTAAAA- - - - - TAATTCATCCCA								61374

Majority	GCCTATGTTTTCC- CATTGTGTAT- - - - - TTTTAGAAAATAAA- ATATTCATT- - - - - ATTGTC- - TTTTAGATATT								
	88890	88900	88910	88920	88930	88940	88950	88960	
Human	GCCTGTGTTCTTTACTTTTGTGTGTGTGTATGTGTTT- TTAACAAG- - - - - ATTCATT- - - - - GTAGTC- - TTTTAGATATA								70322
PolarBear	GCCTTTGTTTTCC- CACGTGTGTGT- - - - - TTTTAGAAAATAAG- ATATTTACTC- - - - - GTTGTC- - TTTTAGATATT								30832
Cow	GCCTGTGATTTTC- CTTTTGTATATG- - - - - TTTTAGAAAATAAA- ATATATT- - - - - TAGTGTTGTTTGTAGATACT								68331
Dog	GCCTGTGTTTTGC- CATGTGTGTAT- - - - - TTTTAGGAAATAAG- ATGCTCATT- - - - - GTTGTC- - TTTTAGGTATT								61493
BelugaWhale	ATTCACATATTCT- ACATCAGAGAA- - - - - CAAGGTGATCAA- AAATCCTTGA- - - - - GATTATAAATTGAGATGTCA								60921
Donkey	GCCTATATGTTTG- CTTTTGTGTGCATATTTCTTTTTAGAAAATAGATACATTTATTCCTGTTGTC- - TTTTAGATAGT								67553
Cat	GCCCATGTTTTCC- CGTGTGTG- GT- - - - - TTT- - - - - AAAATGAG- ATACTCATT- - - - - ATTGTC- - TTTTAGATATT								68175
Ferret	ACCTATGTTTTCC- CATGTGTGTAT- - - - - TTTTAGAAAATAAA- ACATTCATT- - - - - A- - - - - T- - - - - TAGGTA- -								68919
Lion	GCCCATGTTTTCC- CATGTGTG- GT- - - - - TTT- - - - - AAAATAAG- ATACTCATT- - - - - ATTGTC- - TTTTAGATATT								65868
Vaquita	ATTCACATATTCT- ACATCAGAGAA- - - - - CAAGGTGATCAA- AAATCCTTGA- - - - - GATTATAAATTGAGATGTCA								62286
Pig	ATCCAAAAGTTTT- CATTTATAAAAC- - - - - ATCAACACTTTTTA- CCCTCTTCTT- TGGTGTGAATAGTATGGTCT								61444

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Majority	ATTTAATAAATTTAGGCTGTTTAAG- - - T- - - - - TATCCTCCAAAGGTGAATGCTATTTGGAAATTC- - - - TTXCTTG								
	88970	88980	88990	89000	89010	89020	89030	89040	
Human	ATTTAATAAATTTAGGCTGTTT	CAGGGTTTC- - A-	GTATCCTACAAAGAAGA	ACGCTGCTTCTAAGTTTTT	GGGTTTCTTG				70399
PolarBear	ATTTAATAAATTTAGGCTGTTT	CAG- - - - -	TATCCTCCAA-	GGTGAATGCCATTTGGAAATTC- - - -	TACTTT				30896
Cow	TTGTAATAAATTTAAGCTATTC	CATGGTTTCT- - -	GTATCCTCCAAAGATGAAT	GTTATTTGGAAATTC- - - -	TTGTTTCA				68404
Dog	ATTTAGTAAATTTAGGCTGTTT	CAG- - - - -	TAGCCTCCAA-	GGTGAATGCCATTTGGAAATTC- - - -	TT- - - - -				61552
BelugaWhale	TTATAATGATTTTATCATGTTT	AAGAAGTGTAGTTAATTT	ATTAAGGGGTGGTCACTTTT	AGAAAAC- - - - -	TGCTAG				60995
Donkey	ATTTAATAAATTTAGGCTGTT	GAAGGTTTC- - A-	GTATCCTCCAAAGGTGAAT	GTTATTTGGAAATTC- -	TGTATTTTG				67628
Cat	ACTTAATAAATTTAGGTTGTT	TACAG- - - - -	TATCCTCCAAAGTTGAAT	GCTATTTAGAAATTC- - - -	TTGTGTG				68240
Ferret	- TTTAGTAAATTTAAGCTGTTT	CAG- - - - -	TATCTTCCAA-	GTTGAATATCATTGGAAATTC- - - -	TACTT-				68981
Lion	ACTTAATAAATTTAGGTTGTT	TACAG- - - - -	TATCCTCCAAAGGTGAAT	GCTATTTAGAAATTC- - - -	TTGTGTG				65933
Vaquita	TTATAATGATTTTATCATGTTT	AAGAAGTGTAGTTAATTT	ATTAGGGGGTGGTCACTTTT	AGAAAAC- - - - -	TGCTAG				62360
Pig	TTGCAAGGACCACTTGCTGTT	AATGCTTTCTAAAGTAGTCTT	CAAGTACTCTTCATAGTAT	GACATACA- -	GTATTGCTG				61522

Majority	- - - - GTXTTTTTACT- - - - - GAACCATT CAGTTGXT- CAGAGCTTAGGAAGAATX- - - - AAATTATCAXTTGGTAT								
	89050	89060	89070	89080	89090	89100	89110	89120	
Human	AACCAGAGCTTAGAAAGAACA	AAAAATATGGCATGGTATTTT	CATGGTTTAGTAAGGCTACTTTT	AGTTAATTATTGTGAT					70479
PolarBear	- - - - -	GTTTTTCTACT- - - - -	GAACCATT CAGTAGCCACAG	AGCTTAGGAAGAATA- - - -	AAATTATCACTTGGTAT				30959
Cow	- - - - -	GTGTTTTTGTGCT- - - - -	GAACCATT CAGTAGCACCAG	AGCTTAGGAAGAATA- - - -	AAAATTGCCACTTGGTAT				68467
Dog	- - - - -	GTTTTTCTACT- - - - -	GAACCATT CAAT- - - - -	AGCTTAGGAAGAACA- - - -	AAATTATCAGTTGGTAA				61607
BelugaWhale	- - - - -	AAGTAATTAAT- - - - -	TTT- CATGATCATGTTGTCT	ACATTTTAAAAATT- - - - -	AAT- - GCAGATAATAT				61053
Donkey	GG- -	AGTTTTTTTACCCCCTGCT	GAAACTATTCAGTTGCTCC	AGAGCTCAGGAAGAACA- - - -	AAATTATCACTTGGTAT				67702
Cat	- - - - -	GTTTTTTTTTTT- - - - -	GTTTTTGTTTTT- - - - -	GTTTTTTTTTCTGAAC- - - - -	CAT- - TCAGTAG				68288
Ferret	- - - - -	GTTTTTCTACT- - - - -	GAACAATTCAGTGTCCAC	AGAGATTAGGAAGAACA- - - -	AAATTATCACTTGGTAT				69044
Lion	- - - - -	TTTTTTTTT- - - - -	TTT- - - - - - - - - - -	CTGAAC- - - - -	CAT- - TCAGTAG				65960
Vaquita	- - - - -	AAGTAATTAAT- - - - -	TTTTCATGATCATGTTGTCT	ACATTTTAAAAATT- - - - -	AAT- - GCAGATAATAT				62419
Pig	- - - - -	GAGTGGTGACT- - - - -	AAATTATTTTTTCTGTTT	ATTTGCCTAAGAAGACTTT- -	AAAGTAAGCAGATGATAT				61587

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Majority	T-----TTCAX-----GAATTT-----XX-X-GTA-----A---GGC-----	
	89130 89140 89150 89160 89170 89180 89190 89200	
Human	GTAGGCCATTAAGTAGACTTTTCTAAAACGAAACCCAGAGGAGAGGGGTTTTGAAGATACATATATACTGGTTTCTAAG	70559
PolarBear	T-----TTCAT-----GAATTT-----GTA-----A---GGC-----	30978
Cow	ATTG-TAAGGCCACTTAAAGTTCATCTTTATGATATAGGTAATAAATACTTTTGAGAAGGAAATGGC---ATTCCA	68543
Dog	T-----TTCAT-----GAATTT-----GTA-----G---GGC-----	61626
BelugaWhale	GTAC-AAAGAATACTTTAGAGCCTTCTGTGTATTTTGAGTTAATAAGTA-----GCAGC-----	61106
Donkey	T-----TTCAT-----GAGTTT-----GTA-----AGGC-----	67721
Cat	C-----CTCA-----GAGCTT-----A---GTC-----	68303
Ferret	T-----TTCAA-----GTATTTCTCAGTATTTTATA-----A---GGC-----	69074
Lion	C-----CTCA-----GAGCTT-----A---GTC-----	65975
Vaquita	GTAC-AAAGAATACTTTAGAGCCTTCTGTGTATTTTGAGTTAATAAGTA-----GCAGC-----	62472
Pig	-----TGATGGCATCCAT--TTCCTGCTTGAGTCCTCCTTAAACAGTACTTGTTCAAATGAAAT-----AATTGATAG	61654

Majority	---TXXTTTTCAATTAATTATTXTGATXXGTAG-----GCCAT-----TAA-----GTAGACTT	
	89210 89220 89230 89240 89250 89260 89270 89280	
Human	AACTAATCTTTTTGGATCATTGGTATTGGTAGAAGGGATTGCTATGTTTTCTGCCACCATTGGATCTCTGTATAAAGTT	70639
PolarBear	---TGCTTTCAGTTAATTATTGTGCTGTGTAA-----GCCAT-----TAA-----GTAGGCTT	31023
Cow	CAGTATTCTTGCCTGGAGAATCCATGGACAG-----AGAAGCCTGGCGGGCTACAGTCTACAGGGTTGCAAAGAG	68614
Dog	---TACTTTCAGTTAATTATTACGAT--GTAG-----GCCAT-----TAA-----GGAGACTT	61669
BelugaWhale	---CGTTCTCATTATACGGTTTTAACAGAAAA-----GCAA-----G---CAA	61148
Donkey	---TACTTTCAGTTAATTATTGCGAT--GTAG-----GCCGT-----TAA-----ACAGACTT	67764
Cat	---TGATTTCAATTAATTATTATGAT--GTAG-----GCCAT-----TAA-----GTAGACTT	68346
Ferret	---TATTTTCAGTTAGTTATTGTGATACGTAG-----GCCAT-----TAA-----GTAGACTT	69119
Lion	---TGATTTCAATTAATTATTATGAT--GTAG-----GCCAT-----TAA-----GTAGACTT	66018
Vaquita	---CGTTCTCATCATATGGTTTTAACAGAAAA-----GCAA-----G---CAA	62514
Pig	GTATTCCTTTGTTTCAAAGATTCTGTAGAAGAAC-----ACAGA--TGTTAGGTGATAATCCTTTT--CTGTTAAATA	61721

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Majority	T-----TTXA-----AAAAGA-----XTXCTTGTGGA-----AATA--X-GAG-----TCTT	
	89290 89300 89310 89320 89330 89340 89350 89360	
Human	TGGCTCCACTATCAAAATGCTTAGATAGATGCCTTTGCAATAGTTGCC- ACCCTAGGAATAGCTCAAAAATTATTA ACTT	70718
PolarBear	T-----TCTA-----AAAAGAA-----ATGCTGGTTGA-----AAT-----GAG-----TCTT	31056
Cow	T-----CTGACACA ACT- GAAGGACTCACACTTTCTAGAAAGAAATGGTGGTGA AA- AAGGAG-----TCTT	68674
Dog	T-----TCTA-----AAAAGAT-----ATGCTTGCTGA-----AATCCTTAAAG-----TCTT	61707
BelugaWhale	T-----GTA-----T---AGGA-----TATCTTTTGAG-----GTGAAAATA- GTTGAT-----AATT	61187
Donkey	T-----TCTA-----C---AAAGAA-----ATGCTGATAAA-----AAAA-----GAG-----TCTT	67798
Cat	T-----TTAA-----AAAAGA-----TCCTTGTGGA-----AAG-----GAG-----TCTT	68377
Ferret	T-----CCTA-----AAAAGAA-----ACACTGGTAGA-----AAT-----GAG-----TTTT	69152
Lion	T-----TTTA-----AAAAGA-----TCCT- GTGGA-----AAG-----GAG-----TCTT	66048
Vaquita	T-----GTA-----T---AGGA-----TATCTTTTGAG-----GTGAAAATA- GTTGAT-----AATT	62553
Pig	T-----TTA-----GGGGGATTCCCTTTACCTTGTGTG- ATTCTTTTATG- TTATA-----CCTG	61770

Majority	AAGAATACA--TTAXA-CCAGTTTCT-----AAGAAGT- GGGXXTTTTT TAGATGATTGGTATTGATAGAAG- GGAT- TA	
	89370 89380 89390 89400 89410 89420 89430 89440	
Human	A AACTGGTTACTTAAATCCACCTCTGTTGCTTGGAGTTGTGCTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGATAGAGTCTG	70798
PolarBear	AAGGATACT---TTGTA-CCAGTTTCT-----AAAAAGT- GGGGTCTTTTAGATGATTGTTATTGATAGAAG- GAAT- TA	31124
Cow	AAAAATACA--CATAGACCAGTTTCT-----AAGGAGT- GAGATTTTTTGGATAATTGGTATTGATAGAAGGGGGT- TA	68744
Dog	AAGGATAC---TTACA-CCAG-----GGGTCTTTTATGTGATTGGTATTGATAGAAG- ATAT- TA	61762
BelugaWhale	GAGAACAGA--TATAA--CAACCATT-----TATTCAT- AAGG---GTAAATATGTAGTTCTTATAGA-----T- CA	61245
Donkey	AAGATATGC--ATATA-CCAGTTTCT-----CAGAAGTGGGATCTTTCTGGATGATTGATATTGATAGAAG- GGAT- TA	67867
Cat	TAGGATACT---TTATA-CCACTTTCT-----AAGAAGTGGGGTCTTTTTGGATGATGGGTATTGACAGAAG- AGAT- AA	68446
Ferret	AAGGGTACA--CTATA-CCAGTTTGT-----AAAAAGT- GGGGTCTTTTAGATGATTGGTGTGGTGAAG- GAAT- TA	69220
Lion	GAGGATACT---TTATA-CCACTTTCT-----AACAAGTGGGGTCTTTTTGGATGATGGGTATTGACAGAAG- AGAT- AA	66117
Vaquita	GAGAACAGA--TATAA--CAACCATT-----TATTCAT- AAGG---GTAAATATGTAGTTCTTATAGA-----T- CA	62611
Pig	AGCACTTGA--TTAAATTTAATTACT-----TTAGAGT- CAG---TATTACAAGTTTTGATTTATTTTACACAG---TA	61835

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Majority	GCTGTTTTTTC- - TACCA- - - - - CTATTTGCTCTCCCTATAAAA- - - - - AATTTGGCTC- - - - CACTAT								
	89450	89460	89470	89480	89490	89500	89510	89520	
Human	GCTCTGTACCCAGGCTGGAGTGCAGTGGCATGCAATCTCGGCTCACTGCAAGCTCCGCCTCCTGGGTTCACGCCATTCT								70878
PolarBear	GCTGTTTTTTC- - TACCA- - - - - CTATTTGCTTTCTCTATAAAA- - - - - AATTTGTATC- - - - CACTGT								31176
Cow	GCTTTTTTTTCT- - - ACCA- - - - - CTGTTTTCTCTCCCTATAAAA- - - - - AGTTTGGCTC- - - - CACTAT								68795
Dog	GCTGTTTTTTTCC- TACCA- - - - - CTATTTGCTTTCCCTATAGG- - - - - AATTGGGCTC- - - - CACTAT								61815
BelugaWhale	GTTTTTCTCAA- - - ACT- - - - - TTCCTGCATATCAAAAT- - - - - TACCAGGC- - - - - CTTAC								61289
Donkey	GCTGTTTTTTC- - TACCA- - - - - CCATTTGCTCTCCCTATAAAA- - - - - AATTTGGCT- - - - - TAACAT								67918
Cat	GCTGTTTTTTTTCCTAACA- - - - - CTATTTGCTTTCCCTAGAAA- - - - - AATATGGCTC- - - - CACTGT								68500
Ferret	GCTGTTTTTTC- - TACCA- - - - - CTATTTGTTTTGCCTATAAAA- - - - - AATTTGACTG- - - - CACTGT								69272
Lion	GCTGTTTTTTTTCCTAACA- - - - - CTATTTGCTTTCCCTAGAAA- - - - - AATATGGCTC- - - - CACTGT								66171
Vaquita	GTTTTTCTCAA- - - ACT- - - - - TTCCTGCACATCAAAAT- - - - - TACCAGGC- - - - - CTTAC								62655
Pig	ATTTTTTTTTT- - - CTTT- - - - - TTTTTCCCTCTTTTTGCTAT- - - - - TTCTTGGG- C- - - - CGCTCC								61885

Majority	CA- - - - - A- A- - - - ATXCCTAGATCTCT- - - - TTGGG- - - - - GTAATTCCTATGATA								
	89530	89540	89550	89560	89570	89580	89590	89600	
Human	CCTGCCTCAGCCTCCCAAGTAGCTGGGACTACAGGCGCACGCCACCACGCCAGCTAATTTCTTCATATTTTTTTTAGTA								70958
PolarBear	CA- - - - - A- A- - - - ATGCCTAGATCTTT- - - - TGGGG- - - - - GTAATTCCTGTGATA								31214
Cow	CA- - - - - AAGTGCCTTAGGGAGATCCTT- - - - TTTGGG- - - - - ATAGTTCCTACCACA								68839
Dog	AA- - - - - A- A- - - - ATGCCTACATATTT- - - - TGGGG- - - - - GTAGTTCCTGTGATA								61853
BelugaWhale	C- - - - - CTAGACTGAGAATCCC- - - - - TAATGATTAGTGGG								61320
Donkey	CA- - - - - AAATG- CATAGATAGATCTCT- - - - CTGGG- - - - - ATAGTTCCTTTTATA								67960
Cat	CA- - - - - A- A- - - - ATGCCTAGA- - TCT- - - - TTTGC- - - - - ATAATTCCCATGATA								68536
Ferret	C- - - - - T- T- - - - TAGGG- - - - - GTCATTCTGTGATA								69295
Lion	CA- - - - - A- A- - - - ATGCCTACA- - TCT- - - - TTTGG- - - - - GTAATTCCCATGAGA								66207
Vaquita	C- - - - - CTAGACTGAGAATCCC- - - - - TAATGATTAGTGGG								62686
Pig	C- - - - - GCGTCATATGGAGGTTCCCAGGCTAGGG- - - - - GTCAAATCAGAGCTG								61929

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Majority	A A T A C T A T G G C T T A G A A T G A A A T T - - - - G T C T C A - T - C C - G G A X - - - - A A A G T T T G T C T G A T G C A T A T G G A T A C T A A T -	
	89770 89780 89790 89800 89810 89820 89830 89840	
Human	A A T A C T G T A G C T T A G A A T G A A A T T - - - - G T C T C A A T C C T A G G A - - - - G C C A A A A G T T T G A T G A A T A T G A A T A C T A A T -	71186
PolarBear	A A T A C T C T G G C T T A G A A T G A A A T T - - - - G T C T C A G T G C C T G G A A C C - A A A A G G T T A T C T G A T G C A T A T G G A T A C T A A T -	31387
Cow	A A T A T T G T G C T T T A G A A T G G A A T T - - - - G T C C C A - A T C C C A G A A - - - - A C C A A A A G G T A G A T G C A T A T G G G T A T T G C - -	69008
Dog	A A T A C T A T G G C T T A A A A T G A A A T T - - - - G T C T C A A T G C C G G G A A C C C A A A A G G T T G T C T G A T G C A T A T G G A T A C T A A T -	62026
BelugaWhale	T T T T T T A G G T - - - - - G C T T T - - - - A T T T T A - - - - - G T T T T T T A G C A A A G T T A T - - T A G T G T T C T - -	61446
Donkey	A A T A C T A C A G T T T A G A A T G G A A T T C T A A G G A A C C A G T T C C A G G A A C C - A A A A G T T T G T C T G A T G T A T A T G G A T A C T A A T A	68143
Cat	A A T A C T A T G G C T T A G A A T G A A A T - - - - - T G T C T G A T G C A T A T G G A T A C T A A T -	68686
Ferret	A A T A C A - T G G C T T A G A A T G A A A T G - - - - G T C T C A A T G C C T G G A A C C - A A A A G T T T G T C T G A T A C A T A T G G A T A C T A A T -	69467
Lion	A A T A C T A T G G C T T A G A A T G A A A T - - - - - T G T C T G A T G C A T A T G G A T A C T A A T -	66357
Vaquita	T T T T T T A G G T - - - - - G C T T T - - - - A T T T T A - - - - - G T T T T T T A G C A A A G T T A T - - T A G T G T T C T - -	62803
Pig	C C C A C T G A G C A A G G G C A G G G A C C G - - - - A A C C C G C A A C C T C A T G - - - G T T C C T A G T C G G A T T T G T - T A A C C A C T G C G -	62090

Majority	C A X T A A C C A T - - - - T T X T T G A A T A T G T A T T A T G T - - G C C A G G - C A T T G T T C T T A G C C - - - - X T T A T G A G T T A A T C C T C A	
	89850 89860 89870 89880 89890 89900 89910 89920	
Human	- A T T A A C C A T - - - - - T T T T G T G T T C T G T - - G T C A G G - C A C T G T T C T T A G C C C - - - - T T T A C A A G T A A G T T A A T A	71247
PolarBear	C A T T A G C C A T - - - - T T C T T G A A T A T G T A T T A A G T - - G C C T A - - C A T C A T T C T T A G C C - - - - C T T G T G A G T T A A T C C T C A	31454
Cow	- - - T A A T A G T - - - - C T A T C A T T T A T T G A G T A T A T - - G C C A A T G C A T C A T T C T T A A C C - - - - C T C T T G T G A G T T A A T C C T	69074
Dog	C A C T A A C C A T - - - - T T C G T G A A T A T G T A T G A A G T - - G C C A G G - C A T C A T T C T T A G C C - - - - T T T G T G A G T T A A T C C T C A	62094
BelugaWhale	- C A T A A A A A C A - - - - - T A C T T - - - A C C T A T - T G A G C C A G T A T T C T A A T A C T T T C C - - - - T T T A T T C A T G C C A T G T A A	61509
Donkey	T A A T A A C T G A C T G T T T A T C G A G T A T A T A T T A T G T - - T C C A G G - C G T T G T T C T T A G C C A T T T G C T T G T G A G T T A A C T T C A	68220
Cat	C A C T A G C C A T - - - - T A A T T G A A T A T G C G T T A T G T - - G C C A G G - C A T T G T T C C T A A C C - - - - C T T A T G A G T T A G T C C T C A	68754
Ferret	C A C T A G C C A T - - - - T T C T T G G C T A T G T A T T A A G T - - G C C T G - T A T C A T T C T T A G C C - - - - A T T A T G A G T T A A T C C T T A	69534
Lion	C A C T A G C C A T - - - - T G A T T G A A T A T G C G T T A T G T - - G C C A G G - C A T T G T T C C T A A C C - - - - C T T G T G A G T T A G T C C T C A	66425
Vaquita	- C A T A A A A A C A - - - - - T A C T T T A T A C C T A T - T G A G C C A G T A T T C T G A T A C T T T C C - - - - T T T A T T C A T G C C A T G T A A	62869
Pig	C C A C G A C A G G A A - - C T C C T A C A C A G T A A T T T T A T A A G G C G A G C A T T T G T C C C T G G C T - - - - T C T C T T A C T G C T A G G G A T	62163

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Majority	CATTATCCCTAAATGAAGTTA- CTCTTAT- - - TGCXCCCXTTTTATAGATTTAGAAACTGGGACACAAAAAGATTAGCAG								
	89930	89940	89950	89960	89970	89980	89990	90000	
Human	CATCATCTCTAAATGTAGTTA- CCATTAT- - - CGATCCCATTTTATAGATTTGGAAAGTAGGGT- - ACAAAGAACAG- - - 71318								
PolarBear	CATTATCCCTAAATGAAGTTA- CTCTTA- - - - - - - CCCTCTTCATAGATTTAGAAATTGGGACACGAAAAGATTAGCAG 31525								
Cow	CACCATTCTTAAATGAATTTA- TCCTTAT- - - TGCCCCCATTTTACAGATTTAAAGCCTGGAACACAAACTGATTAGCAG 69150								
Dog	CATTATCCCTAAATGTAGTTA- TTCTTAT- TGTCC- CTCACTTCATAGTTTAGAAACTGGGACACACAAAAGATTAGCAG 62171								
BelugaWhale	ATCTGTCTTGGTATCGGTACA- ATTCCAC- - - TGATACTGTTTTAGCTGTT- - - - - - - - - - - - - AAATTGAAT- - - - - 61564								
Donkey	CATCATCCTTAAATGAAGTTA- CCCTTAT- - - TGCCCCCGTTTTACAGATTTAAAAACTGGGACACAAAGAGATTAGC- - 68294								
Cat	CATTGTCCATAAATGAAGTTAACCCCTTAACTGTCCGCCTGCTTTATCGACTTAGAAACTGGAATACAAAAAGATGAGCAG 68834								
Ferret	CATTATCCCTAAAAGAAGTTA- TTCTTAT- TGTCC- CCCACTTCATAGATTTGGGAAGTGGGACACAAAAAGATAAGCAG 69611								
Lion	CATTGTCCGTAATGAAGTTAACCCCTTAACTGTCCGCCTACTTTATCAGTTTAGAAACTGGAATACAAAAAGATGAGCAG 66505								
Vaquita	ATCTGTCTTGGTATCGGTACA- ATTCCAC- - - TGATACTGTTTTAGCTGTT- - - - - - - - - - - - - AAATTGAAT- - - - - 62924								
Pig	CACAGTATCTCCAAAATCTA- ATTTATT- - - CAAGAGTGGATAGAATACTTCTA- TAAAGAATGGAGACTGAGT- GCTT 62237								

Majority	TTTGCTCAGATTCCTATAATTAGTGAGTGGCTGAGXXAX- - - - - X- AX- CXGGCAGTCTGGCTCCAA- AGTTCATACT								
	90010	90020	90030	90040	90050	90060	90070	90080	
Human	TTTGCCCAGATTCCTTTAACTTTTGAGTGGCCGAGCCCTAGCACTGAAAGCCAGGTAGTCTGGTTCCAA- AGTCCGTACT 71397								
PolarBear	TTTGCTCAGATTCCTATAATTAGTGAGTGGCCGAGACCG- - - - - GCATTCTGGCAGTCTGGCTCCCA- AGTTCATGCT 31597								
Cow	TTTGCTCAAATTCCTCATATTAGTGAGGGCCTGAGCCAG- - - - - CCAGGCAGTATGGCTCCAACAATCTGTCTT 69219								
Dog	TTTGCTCCGATTCCTATAATTAGTGAGTGGTTGAGATAG- - - - - GCATTCTGGCAGTCCGGCTTCAA- AGTTCATACT 62243								
BelugaWhale	- - - - - TTGGTTTTCTTTTCTA- - TGTGTTTATGATGCA- - - - - TAAAATTAACAAGTA- - - - AACTTGTTTT 61620								
Donkey	- - - - - AATTA- - GAGTGGGTGAGAT- - - - - GGGTAGTCTGGCCCAA- AGTCCATGCT 68339								
Cat	TTTGCTCAGATTCCTATAATTAGTGGGTGGCTGAGGTATT- - - CAGGGATGCTGGCAGTCTGGCTCCAG- AGTTCATACT 68910								
Ferret	TTTGCTCATAGTCCATAATTAGTGAGTGGCTGAGATAGT- - - TAGGCATTCTGGCAGTCTGGCTCCAA- AGTTCATGCT 69687								
Lion	TTTGCTCAGATTCCTATAATTAGTGGGTGGCTGAGGTATT- - - CAGGGATGCTGGCAGTCTGGCTCCAG- AGTTCATACT 66581								
Vaquita	- - - - - TTGGTTTTCTTTTCTA- - TGTGTTTATGATGCA- - - - - TAAAATTAACAAGTA- - - - AACTTGTTTT 62980								
Pig	TGTAATTAGAAATCTGACATC- - TAAATACATAATCA- - - - - CAAACCTGGCGGATT- - ATTAATTATTTA 62299								

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Majority	CCTAACAAACAA- - - - - TAGAATAAAATATACTATAGATTAGXTGGGCCTTTTAGCCTGACTTCTTTTC- - - - -								
	90090	90100	90110	90120	90130	90140	90150	90160	
Human	CCTGACTAATAA-	- - - - -	ATAGTGAATAAAAT-	TAGATTAGCTTGACATTTTAGCCTGTCGTCTTCTC-	- - - - -				71459
PolarBear	CCTAACCAACGA-	- - - - -	TTGAATAAAATATACTATAGATTAGCTGGGCTTTTAGCCTGTCTTCTTTC-	- - - - -					31660
Cow	TCTAATAAACAT-	- - - - -	TAAAATGAAATGTGCTACAGATTAGCTAAGGCTTTTAGCCTACCTTTTTTCCCCTATGG						69291
Dog	CCTAACAAACAAATTTGAATTTGAATAAAATATACTATAGATTAG-	- - -	GCCTGTTAGCCTGCCTTCTTTTT-	- - - - -					62311
BelugaWhale	TAAAAT- - TTTT-	- - - - -	TAAAACCTTACTTTAAACTTAATATTTTAAAATTTATTTTAAATGACTTCTGAAAGCTTT						61690
Donkey	CCTAACTAATAAAC-	- - -	AACAGAATAAAATGTACTTTAGATTAGCTGGGCCTTTTGGCATGCCTTTTCCC-	- - - - -					68406
Cat	CCTAACAGACAA-	- - - - -	TTGAATAAAATATGCAGTAGATTAGTTGGGCCTCTTAGTCTGACTAACTCCCCCCTC						68982
Ferret	CCTAACAAACAA-	- - - - -	TTGAATAAAATATACTACAGATTAGCTGGGCCTTTTAGCCTGTCTCCTTTT-	- - - - -					69750
Lion	CCTAACAGACAA-	- - - - -	TTGAATAAAATATGCAGTAGACTAGTTGGGCCTCTTAGTCTGACTAACTCC-	- - - - -					66645
Vaquita	TAAAATATTTT-	- - - - -	TAAAACCTTACTTTAAACTTAATATTTTAAAATTTATTTTAAATGACTTCTGAAAGCTTT						63052
Pig	CATATTCTACAT-	- - - - -	CAAAGAACAAGGTGATCAAAAATCCTTGAGGTTATAAATTAAGATGTTTTTATAATCGTT						62371

Majority	- CCCTATGGAGTTAA- AATA- GAAXAATGTCATACATATAGTAAATATGTAAGTCCTATAATTTTAATTTXCTTT- - - - -								
	90170	90180	90190	90200	90210	90220	90230	90240	
Human	- ACCTGTAGAATAGTTATCAAGAATAGTAATATACATATAGTAAAAATTTAAGTCCCATCATTTTAGCTTGCTTT-	- - - - -							71533
PolarBear	- CCCTATGGAGTTAATAATA-	GAACAATGTCATACATCTAGTAAATACGTAAGTCCTATAATTTTAATTTCCCCCACAT							31738
Cow	AGTTCATGTAGAATA-	ATGT-	CATGCATATAGTAAATT-	GGTAAGCCTGTAGTTTTAAT-	TTCCTTCTTTTTTATATAGT				69367
Dog	- CCCTATGGAGTTAATAATA-	- - - - -	ATGTCATATATGTAGTAAATACATACGTCCTATAATTTTAATTTCCCTT-	- - - - -	T				62380
BelugaWhale	TGTTTTTGTT-	- - - - -	ACTTTTGAATG-	AGTTATTTACATGGTGTTTTTTTTTAAGTTTTTATTATC-	- -				61750
Donkey	- - - CTGTGGAGTTAACAGGT-	CA-	- - ATGTCATACATGTAGTAAATACGTAAGTCCTATTATTTCAATTTCCCTC-	- - - - -					68474
Cat	CCCCCATGGAGTTAA-	AATG-	GAATAATGTCATACATATAGTAAATATGTAAGTCCTATAGTTTTAATTTCCCTTT-	- - - - -					69055
Ferret	- CTCCTGGAGCTAATAATA-	GAACAGTGTTATACATGTAGTCAATATGTAAGTGCTATAATTTTAATTTTCCCCCATAT							69828
Lion	CCCCCATGGAGTTAA-	AATA-	GAATAATGTCATACATATAGTAAATATGTAAGTCTTATAGTTTTAATTTCCCTTT-	- - - - -					66718
Vaquita	TGTTTTTGTT-	- - - - -	ACTTTTGAATA-	AGTGATTTACATGGTGTTTTTTTTTAAGTTTTTATTATC-	- -				63112
Pig	TTATCATGTTAAGA-	AGTA-	TAGTTAATTAAGAGATA-	GGTCACTTTTTAGAAAGACTGCTAGAAGTAATTAATTTTTC					62448

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Majority	--- AATTTT XTCTCC- ----- TATACTAAGGTGTTTTCTGTTGCCAAGAXA- XTTGTTTTTT							
	90250	90260	90270	90280	90290	90300	90310	90320
Human	----- TTTTTTAC-				ATACTAAGATATTTTTTGTACCAA-			71566
PolarBear	ACTAAACCCCCCCC-			CATATACTAAGGTGTTTTCTGTTGCCAAGAAAGATTGTTTTT				31796
Cow	G- GGATGTTTTCTGTT-	GCTATGACAGATTTTTTTGTTGCCAAGTCCATCCAGTGTTAACCTG-						69439
Dog	TTTAATTTCTCTCCC-			CATATACTTAAATGTTTTCTGTTACCAAGATG-			TTG-	62431
BelugaWhale	--- AAAGACTTCAGTT-	ATCATATCCATTATCTCAATTCAGTTCCACACTTGTTTT-					ATCTGTTTCAT	61816
Donkey	----- TTTTTTAT-			ATAATAAGATGTTTTCTGCTGCCATGACAGATTATTTTTT				68522
Cat	----- TTGTCCCTCC-			TATACTAAGGTGTTTTGTGTTGCCAAGACA-			TTGGCTTTT	69104
Ferret	ACTAATTTCCCCCATATACTAATTTCTTTTTCCCGCATATACTAAGGTATTTTTCTGTTGCTAAGACA-						TTGTTTTTT	69906
Lion	----- TTGTCCCTCC-			TATACTAAGGTGTTTTGTTTTGCCAAGACA-			TTGGCTTTT	66767
Vaquita	--- AGAGACTTCAGTT-	ATCATATCCATTATCTCAATTCAGTTCCACACTTGTTTT-					ATCTGTTTCAT	63178
Pig	A- TGATCATGTCTAC-	ATTTTAAAATAATGCAGATAATATGTACAAAGAATACTTCA-					G- AGCTTTCCAT	62516

Majority	TGTGCCAAGTCCATTAXGTGTTTAACTGXTTATXATA- TGATTGCAA- A- --- AACXAAAXGTATTGTTTCAT- -----							
	90330	90340	90350	90360	90370	90380	90390	90400
Human	----- GTCCATTAAGTATTTAGCCTGATTATCTTATTGATTAAAATAC-					CAAAAATGTGTATTGTTTCAT-		71629
PolarBear	TGTGCCAAGTCCATTAGTGTGTTTAACTGGTTATTATA-				TGATTGCAA-		AACCAAAAGTATTGTTTCAT-	31863
Cow	GATTACAAAACCAAATATGAGTATACCTACTCTATAAT-				TGGATCCAGAATAGGAGCTGTGTGC-		CTGTGTATTTATAT	69516
Dog	- - TTACCAAGTCCATTTAGTGTGTTTAACTGGTTATTATA-				TGATTACAA-		AGCCAGAAGTACTGTTTAT-	62496
BelugaWhale	TTTTTCTGTTGTATTTTGAGGCAAATCCTTAACATCAAG-				TCATCTCAA-		ACATTACCATAATTT- CTCTAAAATAA-	TG 61892
Donkey	- GTTGCCAAGTCCACTCACTGTTTAACTGGTTTTTATA-				TGAGTACAAAAC-		CAAAAGTGGGTATTGTTTCAT-	68592
Cat	TGTGCCCAGCCCATTAGGTGTTGAACGTGCTTATTATA-				TGATTGCAA-		AAACAAAAGTATTGTTTCAT-	69171
Ferret	- GTTGCCCAGCCCATTCCATGTTTAACTGATTATTTTA-				TGATTGCAA-		AACCAAGGGTATTGTTTCAT-	69972
Lion	TGTGCCCAGCCCATTAGGTGTTGGACCTGGTTATTATA-				TGATTGCAA-		AAACAAAAGTATTGTTTCAT-	66834
Vaquita	TTTTTCTGTTGTATTTTGAGGCAAATCCTTAACATCAAG-				TCATCTCAA-		ACATTACCATAATTT- CTCTAAAATAA-	TG 63254
Pig	GTATTTTGAATTAATAATGTAGCAGCCAGTCTCATCATA-				TGGTTTTAACAGAAAGGCAAAACAAACTTTGTATG-		- - GG	62592

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Majority	- - - - GXCTAATCTATAATATTC- - - - TAAGACT- - - - AATTATAGCAAAGAAAATT- - TGGTCATAA- AATCAAACCA								
	90570	90580	90590	90600	90610	90620	90630	90640	
Human	- - - - - TCCTTTTCTATATTTTAT- - - - - TAAGACT- - - - - AATTATAGCAAATAATA- - - - - GCCATAA- AATTAAACCA	71813							
PolarBear	- - - - - GCCCTAATCTATAATATCCCATTATAAGACT- - - - - GCATTATAGCAAAGAAAATT- - - - - GTCATAA- AATCAGACTG	32066							
Cow	- - - - - ATCCTAATCTATAATATTC- - - - - TAAGACT- - - - - AATTATAGCAAAGA- CAGTTATGGCCAGAA- AATCACACCA	69739							
Dog	- - - - - GCTTTAATCTATAA- - - - - GACT- - - - - ACATTATAGCAAAGAAAATTT- TGGTTGTAA- AATCAAACCTT	62693							
BelugaWhale	TGT- TTTTTAAGCATTGATTTGT- - - - - TCAGAAT- - - - - A- - - - - G- - - - - GATCTTCTCA	62065							
Donkey	- - - - - AACTAATGTATAATATTTCCATTATAAGACT- - - - - GATTATGGTAAAGGAAATTA- TGGCCATAAAAATCAAACCA	68800							
Cat	- - - - - GCCT- - - - - GTCTATAATATTTCCATTATAAGACT- - - - - GAATTATAGCAAAGAAGATTC- TGGTCATAA- AATCAAGCCA	69347							
Ferret	- - - - - AGCCTAATCTATAATATCCCATTATAAGACT- - - - - GCATTATAGCAAAGAAAATTA- TGGTCATAA- AATCAGACTG	70191							
Lion	- - - - - GCCT- - - - - GTCTATAATATTTCCATTATAAGACT- - - - - GAATTATAGCAAAGAAAATTC- TGGTCATAA- AATCAAGCCA	67039							
Vaquita	TGT- TTTTTAAGCATTGATTTGT- - - - - TCAGAAT- - - - - A- - - - - G- - - - - GATCTTCTCA	63427							
Pig	TGGGGTCCCTTGCATTTATTTT- - - - - TAAGATTCCAAAATGATTTTACTGAGTAGTGGAAGTTGAGA- ACTACTACTA	62819							

Majority	- - - - AATAATTCATCTACTGCAGACACATTTGAAAGTTATCGXCCAACAAAAX- XAAATAATXACAAATAXAXA- - - AA								
	90650	90660	90670	90680	90690	90700	90710	90720	
Human	- - - - - AAAAATTCATCTACTGCAGACATATTTGAAAGCTGTCCCCAAGAAAGACCAAAGTAATCACACATACCTA- - - AA	71886							
PolarBear	- - - - - AATAATTCATCTACTGCAGGCACATTTACAAGTCATTGTCCAACAAA- - - - -	32113							
Cow	- - - - - AATAATTCATGTATTGCAGTCACATTTGAAAGCTCCAAGAGACCAAAT- - - AATTACTACAAATATGAA- - - AA	69809							
Dog	- - - - - ACTAATCTA- CTGCAG- - - - - A- CACATTTGCAAATCATCCTCCAACAAAACACTAAAATGATTACAAATATACA- - - AA	62762							
BelugaWhale	- - - - - GGGGCCACACATGGCATTGTTGGTAGTTATGTCTCCTGAATGTCTAT- - - - - TACTCTGTTATAC- - - - - TC	62125							
Donkey	- - - - - AATAACTCATATACTGCAGACGCAGTTGAGAATCATCCTCCAAGAAAAGCCTAAATAATTATATACAAATACACAA	68876							
Cat	- - - - - AATAACTCATTTACTGCAGACACATTTGCAAGTCATCACCACAAAGACTAAGAGAATTACAAGTACACA- - - CA	69420							
Ferret	- - - - - AATAATTCATCTGTTA- - - - - CACATTTGTGAGTCATTGTCCAACAAAACACTAAATT- - - TACAAATACACA- - - AA	70257							
Lion	- - - - - AATAACTCATTTACTGCAGACACATTTGCAAGTCATCACCACAAAGATTAAGATAATTACAAGTATACA- - - CA	67112							
Vaquita	- - - - - GGGGCCACACATGGCATTGTTGGTAATTATGTCTCCTGAATGTCTAT- - - - - TACTC- - - - -	63477							
Pig	TAGAGAAAATTTGTTTTAGATGCTTTATTTTAGCCTTTTAGCAGAATTATTA- - - GTGTCTCATAAAAT- - - A- - - TT	62891							

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Majority	CATTCTAGAAATATTTCC- - - CAGAAATATTTAAAC- TACATAGATTTTTTAAAGTGTATCACTGAATGCCATAA- - CAXCA								
	90730	90740	90750	90760	90770	90780	90790	90800	
Human	CATGCTAG-	- - TATTTCC-	- - CAGAAATATTTAAA	AATACATAGATT-	TTGAAGCACATTGCT	GAATGCCATAG-	- TAACA		71957
PolarBear	CATTTT	TAGAAATATTTAAAC-	AACATAGATTTTTAGAGT	GTATCACTGAATGCCATAA-	- CATT				32187
Cow	CATCCTAGAAATATTTCC-	- - TGGAAGTACTGAAC-	CACACCCATT-	TTAAAGTATATCACTGAGTCT	CAAAAC-	TAACA			69883
Dog	CATTCTAGAAATACTTT-	- - - TAAAAATATTTAAAC-	TCCATGGATTTTTAGAGT	GTATCACTGAATGCCATAA-	- CATT				62835
BelugaWhale	TGTTAAAGTCTCTCCCTCTGCCCCAACCCCTCAGT-	TCCATTGAC-	- TTATTGTGGAAACCTAGTTATATTATT-	TAAGA					62201
Donkey	CATCCTAGGAATATTTCC-	- - CAGAAATATTTAAAC-	TACGTACATTTTTTAAACCATATCACTTAATGCCATAA-	- CACCA					68950
Cat	CATTCTAGAAATATTTCC-	- - CAGAATTATGAAAC-	TACATAAATCTTTAAAGTGTATCGGTGAATATCATGA-	- CATCA					69494
Ferret	CATTTT	TAGAAATATTTAAAC-	TACATAGATTTTTAGAGT	GTATCACTGAATGCCATAAAACATTA					70333
Lion	CATTCTAGAAATATTTCC-	- - CAGAAATATGAAAC-	TACATAAATCTTTAAAGTGTATTGGTGAATGTCATGA-	- CATCA					67186
Vaquita	TGTTGAAGTCTCTCCCTCTGCCCCAACTCTCAGT-	TCCATTGAC-	- TTATTGTGGAAACCTAGTTATATTCTT-	TAAGA					63553
Pig	CTTCATAGCTATTGATCAGTATTTTAATACTTTTC-	TTTATTCATG-	CTGT-	GTAATGCTCTTGGTACAATTCT-	TGATA				62967

Majority	AAATTTTTTTTAAAAAACCATATAATTAGAAAAGC- AGT- - ATTTTATCATGTTCAACATAAATCAT- - - - - ATTT- - - -								
	90810	90820	90830	90840	90850	90860	90870	90880	
Human	CCAAACT-	- - AAAAAATACATGTA	AATTTAAAAATT-	AAT-	ATTTTATT-	- - TTCAACATAAATCAG-	- - - - AAATACTTGG		72025
PolarBear	AAATTTTTTTTAAAAAGCCATATAATTAGAAAACC-	AGT-	ATTTTATCATGTTCAATATCAATCAT-	- - - - - ATTTTTGG					32258
Cow	AAAGTTTTTTAAAA-	- ACTACATAATTTAAAAGCC-	AGT-	ATTTTATCATTTTTCAACATAAATCAG-	- - - - - AATT-	- - - -			69948
Dog	GCAATTTTTTTAAAAAGCCATA-	AATTAGAAAAGC-	AGT-	ATTTTGTTCATGTTCAATA-	AAATCAA-	- - - - - ATTTTTTCG			62904
BelugaWhale	AAATGCC-	- - - - - ACAATCTGGATTG-	- - GTCTGGCT-	ATTTATTTTCTTATAGTGCATCTT-	- - - - - TTT-	- - - - -			62257
Donkey	AACTTCCCTTTAAAAAAATCATAACTAAAAAGGC-	AGT-	ATTTTATCATGTTTCAACATAAATAAATCATAAATTTTTGG						69027
Cat	AAATTTTTTTTAAAAA-	CCATATAATTAGAAAAGC-	AGT-	ATTTTATCATATTAGACATAAAT-	- - - - -	- - - - -			69553
Ferret	AAAAAAAATTTTTAAAGCCATATAATTAGAAAAGC-	AGT-	ATTTTATCATGTTTCAAGTAGAAATTAT-	- - - - - ACTTTTGG					70404
Lion	AAAATTTTTTTAAAAA-	CCATATAATTAGAAAAGC-	AGT-	ATTTTATCATATTAGACATAAAT-	- - - - -	- - - - -			67245
Vaquita	AAATGCC-	- - - - - ACAATCTGGATTG-	- - GTGAGGCT-	ATTTATTTTCTTATAGTGCATCTT-	- - - - - TTTA-	- - - - -			63610
Pig	TCGTGGTTTTGATATTATAATATTGTTTAGCCGTTGAGTTGAGTTTATTTTGGTTTACTTTTCTATG-	- - - - - TGTT-	- - - - -						63037

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Majority	GGATTATTGA	ACTATCCTCX	ATTTTGCTAT	GGCTGAATTTT	XAAAATATTA	A- - -	TTTTTCAGT	CTTTAAAAT	GTTTCTT			
	91050	91060	91070	91080	91090	91100	91110	91120				
Human	GGATTATTGA	ACTGTCCTCT	GCTTTGCTAT	AGCTGAATTTT	TAAAATGTTAA	- - -	TTTTGAAGT	CTTAAAAT	GTGTCTT	72242		
PolarBear	GGATTATTGA	ACTATCCTCC	ATTTTGCTAT	GGCTGAATTTT	TAAATATTA	- - -	TTTCTCAGT	CTTTAAAAT	GTTTATT	32491		
Cow	GGATTATTA	AAAGTATCCT	CTATTTTCT	ATGGCTGAATTTT	AAAAACTGG	-	GTTTTCCAGT	TTTTAAAAT	ATCTCTT	70173		
Dog	GGATTATTA	AAACTAACC	- - AATTTT	GCTGTGGCT	GAGTTTTTAA	AGTATTA	- -	TTTCTCAGT	CTTTAAAAT	ACTTCTT	63131	
BelugaWhale	G- ACCA-	- GGGATCAA	ACCCAGGCC	CCCTGCATT	GGGAGCAC	AGAGTCTTAA	-	CCACTTTCT	GTCTTTAAAAT	GTCTCTT	62441	
Donkey	GAATTATTCA	ACTGCCT-	CTATTTTGCT-	TGGCTGAATTTT	AAAAACTAA	- - -	TTTTTTGT	CTTTAAAAT	GTCTTTT	69255		
Cat	GGATTATTGA	ACTATCCTCT	GTTTTCTC	AGGGCTGAATTTT	CAAAATATTA	- -	TTTCTCAGT	CTTTAAGAT	GTTTCTT	69784		
Ferret	GGATTATTG	ACCTATCCT	CCATTTTGCT	GTGGCTAAATTTT	AAAAATATT	- - - - -	TCTCAGT	CTTTAAAAT	GTTTACT	70626		
Lion	GGATTATTGA	ACTATCCTCT	ATTTTCTC	AGGGCTGAATTTT	AAAAATTA	- -	TTTCTCAGT	CTTTAAGAT	GTTTCTT	67476		
Vaquita	G- ACCA-	- GGGATCAA	ACCCAGGCC	CCCTGCATT	GGGAGCAC	AGAGTCTTAA	-	CCACTTTCT	GTCTTTAAAAT	GTCTCTT	63801	
Pig	- - ACTA	ATACAGTGA	ATCCACAT	ATTCATCAT	TTCAATTC	ACTAGT	TCCCAT	ACTTGT	TTTTATCT	GTTAAGTTT	GTTC	63260

Majority	TTAGAA-	- - - -	AXGAAGTT	XXXAGAGCT	AXAATAGTT	CXATTTXAA	TTTTXTAAC	XGTGGATA	AAAA-	-	TTTTAACT	TXTX			
	91130	91140	91150	91160	91170	91180	91190	91200							
Human	TTGGAA-	- - - -	AAAACATT	GGAAGAGCT	AAAGTAGAT	AGAGTTGTT	CATTTAAAT	TGTTATTT	TTTTTAT	TTTTTATT	TTTTTATT	TTTTTATT	72317		
PolarBear	TTAGAA-	- - - - -	GTAGTGAG	CTGAGATAGA	ATTGTTT	-	ATTTAAAAT	ACCTGTCAGT	GGACAAA	-	TTTTAACT	TCTA	32561		
Cow	CTAAA-	- - - -	AAGGAAGT	GCAAGAGCT	GA-	- -	AGTTGAAT	TGTTTAAAT	TTGGATAA	-	AA-	TTTTCACT	TGTG	70243	
Dog	TCAGAA-	- - - -	AAGAAGTA	ATCTGAGATA	AAAATTGTT	C-	ATT-	AAAATAACT	GTCAGTAGATA	AAAAGT	TTTTAAC	CTCTA	63204		
BelugaWhale	TTAAA-	- - - -	GAGGAAGT	GCAAGAGCT	GG-	- -	GGTAGAAT	TGTTTAAAT	TTGGATTA	-	CA-	TTTTTACT	TGTG	62511	
Donkey	AGAAAAGA	AGTTGGAAG-	- GGCTGAGG	TAGAGTTGTT	CATTTTAA	ATTTGT-	-	CAGTAGATA	AAAA-	-	TTTTAAC	- - - -	69324		
Cat	TTAGAA-	- - - -	AAGAAGTA	ATGAGAGCT	GAGATAGA-	- -	ATT-	- AAGTCCC-	- - - - -	-	AGAA-	- - -	TTGATT-	- - -	69835
Ferret	TTAGAAA-	-	ATAAGTA	AATGAGCT	GAAATAGA	ATTGTTT-	-	ATTTTAAAT	ACCTGTCAGT	GGATAAAA-	-	TTTTAACT	TCTA	70701	
Lion	TTAGAA-	- - - -	AAGAAGTA	ATGAGAGCT	GAGATAGA-	- -	ATT-	- AAGTCCC-	- - - - -	-	AAAA-	- - -	TTGATT-	- - -	67527
Vaquita	TTAAA-	- - - -	GAGGGAGT	TGCAAGAGCT	GG-	- -	GGTAGACT	TGTTTAAAT	TTGGATTA	-	CA-	TTTTTACT	TGTG	63871	
Pig	TTATATTTT	GAAGCAA	ATCCTTAAT	GTCATGTC	CATCTCAA	ACAACC	ATTTCT	CTAAAAT	AGTGA-	-	CATCTT	CTTAAC	63339		

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Majority	- - - - - TGGAGGTATAATGGGCCACAGATATGAGG- GA- - - - TAGA- GAAACAATXTTA- - - TXTCXGTXCATATTTAC								
	91370	91380	91390	91400	91410	91420	91430	91440	
Human	TTT - - TTTGTAGTTTTAGTAGA- GACAGGCTTTCCACCGTG- - TTAGCCAGGATGGTCTCA- - ATCTCCTGACCTCGTGAT								72547
PolarBear	- - - - - CGGAAGTATAACGGGCCCTCAGGTGTGATATGAACATTAGAAGAAATAACGTTACCATGTCCGGTGCATATTTGC								32778
Cow	- - - - - TGAAGATACAATGGGCGA- AAACATTGGG- - - - - AGA- AAAACATTAATG- - - CATCAGTTTGCATTTAC								70447
Dog	- - - - - TGGAAATATAATAGGTACAGATGTGATATGAATGTTAGA- GAAATAATGTTACCATGTCCATGCACATTTAC								63416
BelugaWhale	CATACTTTGGAGGTATAGTGGGCCATAAACATTAGG- - - - - AGA- AATACATTATTA- - - CATCAGTTCATATTTAC								62726
Donkey	- - - - - TGGAGGTGTAATGGGCCACAGATATAAAC- - A- - - TTAGGAGAAGTAT- GTTATTACATCAGTTTGTGTTTAT								69542
Cat	- - - - - AAGCTCA- - - - - CACAGAAATGGGGGGG- - - GCAGGGAACAA- - - - - TGTAGGGGCAGAGCTAG								69985
Ferret	- - - - - TGGAGGTATAACAGGCCACAGATGTGATATGAACATTAGAAGAAATAACATTTTTCATGTTGGTGCATATTTAC								70920
Lion	- - - - - AAGCTCA- - - - - CACAGAAATGGGGGGG- - - - - CGGGGAACAA- - - - - TGTAGGGGCAGAGCTAG								67675
Vaquita	CATACTTTGGAGGTATAGTGGGCCATAAACATTAGG- - - - - AGA- AATACAGTATTA- - - CATCAGTTCATATTTAC								64086
Pig	- - - - - TAAGGATTGATTTATTCA- GCATATGATCCTC- - - - TGGA- GGGCCGCAGATGG- - CATTGTTAGT- CTCCC								63544

Majority	TTATTTGCCAGCATTCTCAAATGGAATAAGCTTATTXCTGTAGGACTAXA- - ATGT- TATTCATAGGCTGCCTTTTAACT								
	91450	91460	91470	91480	91490	91500	91510	91520	
Human	CCGCCACCTTGGTCTCCCAAAGTGCTGGGATTACAGTCAT- GAGCCACCGTGCCTGGCCTCATTTAAAATTTTTTAAACA								72626
PolarBear	TTATTCGCCAGCATTCTCAGATA- - - - - TTCCTGTTGGGCTA- - AAATGT- TATTCATAGACTGCCTTTTAACT								32844
Cow	TCATGCACCAGCATTCTCAAATGGAATAAACTTGTAAGTGTAGTACTAAA- - ATGTAATTCATAGGCCGCTTTTAACT								70525
Dog	TTATTTGCCAGCATTCTCAAATAGGATAAGTTTATTCTGTAGGGCTATAAGATGT- TGTTTCATAGACTGCCATTTAACT								63495
BelugaWhale	TTATTTACCAGCCTTCTCAAATGGAACAAGCTTATAACTGTAGGACTAAA- - ATGT- TATTCATAGGCTGCTTTTAACT								62803
Donkey	T - - T - - ATCAGCATTCTCAAATGGAATAAGCTTGTATGATAGGACTAAA- - ATGC- TATTCATAGGCCACCTTTTAACT								69615
Cat	A - - - - GCCAGAA- - CTGAAGTCG- - - - - TCATTT- - - - - GTGT- AGTCTATATTCTTTCTCCTCACC								70035
Ferret	TTATTTGCTAGCATTCTCAAATAGTATAAGCTTATTCTGTAGGACTA- - AAATGT- TATTCATAGATTGCCTTTTAACT								70997
Lion	A - - - - GCCAGAA- - CCGAAGTCG- - - - - TCATTT- - - - - GTGT- AGTCTATATTCTTTCTCCTCACC								67725
Vaquita	TTATTTACCAGCCTTCTCAAATGGAACAAGCTTACAACGTAGGACTAAA- - ATGT- TATTCATAGGCTGCTTTTAACT								64163
Pig	TCCTGAGTCAGGCCTCTCCCTCCACCCTCAGTC- CCATTGAGTTATTAGAG- AAATCTAGTTATAGGTAGTCTTTGAGAA								63622

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Majority	AT- - CCAGGGTA- AAATTTTCATXTAAA- GTTCTTAATGGA- - TGATCATATAGTCTTTXCTTGAAC TAATXTGTT- ATG								
	91530	91540	91550	91560	91570	91580	91590	91600	
Human	CT- - - - GGGTA- AAATTTTTATTTTTGAGTCACAAATTAATTTGAAGCTGTGTCTTTTAGAGAGCTTATTCAACTCTTA								72700
PolarBear	AT- - TCAGGGTA- AAATTTTCATATGAA- GTTCTTAATGGA- - TGATCATGTAGACTTTGCTTGAAC TAATCTGTT- AGG								32917
Cow	AT- - CTTGGATGCAAATTTTCATTCCCAAGTTCCTAATGGG- - TGATAATATAGTCTTTGCTTAACTGATTTTGTT- ATG								70600
Dog	GT- - CCAAGGTA- ATATTTTCATATAAAA- GTTCTTAATGGA- - TAATCCCATAACCTTTGCTTGAAC TA- - - TGTT- AGG								63565
BelugaWhale	AT- - CCAGGGTACACATTTTCATTTCAGA- GTTCTTAATGGT- - TGATTTTATAGTCTCTAAACTGA- - - - TTTGTT- ATG								62872
Donkey	AT- - CCGGGGGCAAAGTTTTATATAAAA- ATTCTTAGTGGA- - TGACGATGTAGTCTTTACTTAAACTGATCCATT- ATA								69689
Cat	AT- - T- - - - - - GTGTTTTTATGAAAA- AAAGGAAAAGGG- - GAAACAGAT- - - - - - - GAAGGAA- - - - - GGG								70084
Ferret	AT- - CCGAGGTA- AAAATTTTCATATAAAA- GTTCTTAATGGA- - CGATCACATAGCTTTTGCTTGAAC TAATCTGTT- AGG								71070
Lion	AT- - T- - - - - - GTGTTTTTATGAAAA- AAAGGAAAAGGG- - GAAACAGAT- - - - - - - GAAGGAA- - - - - GGG								67774
Vaquita	AT- - CCAGGGTACACATTTTCATTTCAGA- GTTCTTAATGGT- - TGATTTTATAGTCTCTAAACTGA- - - - TTTGTT- ATG								64232
Pig	AATGCCTCAGTCTGAATTGGTCTGGCT- - GTTCCTTATAG- - TGTCAACTTGTTCTCCATCACCTCTGCTTTAT- ATA								63696

Majority	XTCACCCATTATATTGTTCTCAGCTA- - TA- GXTTTAA- - - - GAAAT- - - - TTTATTTATX- XX- - - - - X- XXXXT- CT								
	91610	91620	91630	91640	91650	91660	91670	91680	
Human	ATTCCATTATAAATAATATTTGAATGAATGTGTTTTACATCTGGAATGATTTTAT- CATCTGAGTAAAGGAAATATGTT								72779
PolarBear	TTCACCCGTTATATT- - - CTCAGCTA- - TG- GTTTTAA- - - - GAAAT- - - - TTTATTTAC- - - - - - - - - - - CT								32965
Cow	GTCATTGATTATATTGTTCTCAGCTG- - TA- GCTTTAA- - - - GGAAT- - - - TTCTTTTACTAATCCCGTATTTACCTTCT								70669
Dog	TTCACTCATCATATTGTTCTCAGCTG- - TA- GTTTTAA- - - - GAAAT- - - - TCTATTTAC- - - - - - - - - - - CT								63616
BelugaWhale	GTCATCCATTCTATTGTTCTCAGCTA- - TA- GCTTTAA- - - - GAAAT- - - - TTCTTTTATTAATCCTACGTTTACCTCCT								62941
Donkey	TTCACCCATTGTATTATTCTCAGCTA- - TA- GTTTTAA- - - - GAAATGTCTTCCTTTTGTTAATCCCATGTTTACCTTAT								69762
Cat	AGGACTTCTGAAATTG- - GTTGG- - A- - AA- ACCTGAG- - - - GGGAT- - - - TCTG- - - GT- - - - - - - - - - - CT								70128
Ferret	TTCACCCATTGTATTATTCTCGGCTA- - TA- GTTTTAA- - - - GAAAT- - - - TTTATTTAC- - - - - - - - - - - CT								71121
Lion	AGGACTTCTGAAATTG- - GTTGG- - A- - AA- ACTTAAG- - - - GGGAT- - - - TCTG- - - AT- - - - - - - - - - - CT								67818
Vaquita	GTCATCCATTCTATTGTTCTCAGCTA- - TA- GCTTTAA- - - - GAAAT- - - - TTCTTTTATTAATCCTACGTTTACCTCCT								64301
Pig	AACTACGCATTAGCTCCAAAAGCTTGATTA- GATTCAG- - - - ATTCA- - - - TTCATTCAATTTATTTGGC- TGTGCCTGCA								63766

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Majority	TXTTTTTTTT - - CTGAGTTCTTCCTAACTTCATATTTA- TTTCCCTTTTAGXTTCTATA- - - - - TTTT								
	92170	92180	92190	92200	92210	92220	92230	92240	
Human	AGAAATTGTGTTTTAAGAGTTGACAAATATATGTTGTATGGCTAAAACAAAGAAAATACTTCTGTTGCTTCTGCATTTA								73337
PolarBear	TTTTTTTTCC- - CTAAGTTCTTTCTAACTTCATATTTTGTTCCTTTTAGCTTCTGTG- - - - - CTTTT								33423
Cow	TTTTTTTTGT- - GTGAGTTCTTCCTAGCTTCATATTTT- TCTCTCATTGTC- - AATA- - - - - TTTC								71124
Dog	TCTTTTTTTTCCCTGAGCTCTTCCTAATTTTCATATTTA- CTTCCCTTTTAGCTTTTGTGATTTTTTTGTGGGTTTTTTTT								64087
BelugaWhale	TTTTGTTGTT- - CTGAGCTCCTCCTAACTTCATATTTT- TCTTCCTTTTAATTTCTATA- - - - - TTTT								63402
Donkey	CCTTTTTTTT- - CTGAGTTCTTGCTAACTTCATATCTA- - TTCGTTTTTAGTTT- TACA- - - - - TTT								70238
Cat	- - - - - T- - - - - TTA- - - - - GGCTACATTG- - - - -								70359
Ferret	TCTTTTCCCCT- CTGAGTTCTTTCTAACTTCATGTTTAGCTTCCCTTTTATCTTCTATA- - - - - CTTTA								71562
Lion	- - - - - T- - - - - TTA- - - - - GGCTACATTG- - - - -								68049
Vaquita	TTTTTTTTTTTT- CTGAGCTCCTCCTAACTTCATATTTT- TCTTCCTTTTAATTTCTATA- - - - - TTTT								64763
Pig	CCTTGATTTT- - GGAAGGCAGGGGAAGAGTCGGAGTCC- TACCTTATGTAATT- - CATG- - - - - ATTT								64219

Majority	TT- X- - - - TTTCCCTGTTGATCTTGAT- - TTCAATTTAAAXATGGTATT- X- XCTCTGA- TCTAC- CTTTXCTTTXTGCC								
	92250	92260	92270	92280	92290	92300	92310	92320	
Human	GTAGAAGAAAACTATATATGTTTGTGACCAAAGTATAAAATATGATTCTTTCCAGGGAGGTAAAGGTT- ATGCAGAAGA								73416
PolarBear	TTTTT- - - TCCCCTGTTGATATTGAT- - TTCAGTATAAAGGTGTTACT- - - - TTTTGAGTTTAC- GTTTCCTCTATGCC								33493
Cow	TT- - - - - TTTCCCTGTTAATCTT- - - - - AATTTTAAAATGGTATTTTATCTCTGA- GTCTT- CCTTTCCTTTTTTGC								71188
Dog	TTTTT- - - GTGCCTGTTGATCTTGAT- - TTCAATTTAAAGGTGTTACT- - - - CTCTGA- - GTAC- CTTTCCTATATGCC								64155
BelugaWhale	TTCTT- - - TTTCCCTGTTAATCTTGAT- - TTTAATTTAAAATGGTATTCTGTCTCTGAATCTAC- CTCTCCTTTTTGCC								63476
Donkey	TCTTG- - - TTTCCCTGTTGATCTTGAT- - TCTAATTTAAAAGTGGTATCCTCTCTCTCAGAATCTGCCTCTCTATTTGCC								70313
Cat	- - - - - TGAAGTCAAG- - TCCAG- - GAAGA- - - - - A- - - - -								70380
Ferret	TTTT- - - - - CC- CTGTTGATCTTGAT- - TTCAGATTAAGATACTATT- - - - CT- - - - - TCTAC- CTTTTCTCTATGCC								71624
Lion	- - - - - TGAAGTCAAG- - TCCAG- - GAAGA- - - - - A- - - - -								68070
Vaquita	TT- - - - - TTTCCCTGTTAATCTTGAT- - TTTAATTTAAAATGGTATTCTGTCTCTGAATCTAC- CTCTCCTTTTTGCC								64834
Pig	TG- - - - - TACCACGATGGCCTG- - - - - AATATGCACCTCCAAGCACACCTCCAATGATAA- AATTTATTTGCTCAT								64284

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Majority	CACTTTCTAGATATTTCTTATA- C- - - - TTAAGTAATTGCCATGAGCATTTCAXATCCCTAGAAG- - GATTCTGCCTCA								
	92330	92340	92350	92360	92370	92380	92390	92400	
Human	TTTTCACTAGCAGCTCTAAAAGGCTACCCTCAATTAATTGCCATGAACATTTTCATAGCCCTAGAAG- - GATGTTGGCTCA								73494
PolarBear	CACTTCCTAGATATTTCTGATA- CCCTTATTAAGTAATTACCATGAGCATTTCATATCTGTGGAAG- - AATTCTGCCTCA								33570
Cow	ACCCTTGTGAATTTTTCTTACC- C- - - - TTAAGTAATTGCACTGAGCTTTTACATTCCTTGAAG- - GATTCTGCCTCA								71260
Dog	TGCTTTCTAGATATTTCCC- ATA- ACTTTGTAAAGTATTTGGCATGAGCATTTCATAGCCCTGAATG- - GATTCTGCCTCA								64231
BelugaWhale	CACTTTCTGAATTTTTCTTACC- C- - - - TCC- TTAATTGCTGTGAGCTTTTACATTCCTAGAAG- - GATTCTACCTCA								63547
Donkey	CACTTTCTAATATCCTTC- - - - - TTAATTGCCATGAGCATTTCACATCCCTAGCAA- - GATTCTGCTTCA								70376
Cat	- - - - - TAGAAAGGGCTAAAA- - - - - TAAATAAAGGCCACAAG- - T- - - - - G- GATT- - - C- - - -								70419
Ferret	CACTTCCTAGATATTTCTGATA- CCCTTGTTAAGTAATTGC- ATGAGTATTTTCATATCCCTGATAG- - GATTCTGCCTCA								71700
Lion	- - - - - TAGAAAGGGCTAAAA- - - - - TAAATAAAGGACACAAG- - T- - - - - G- GATT- - - C- - - -								68109
Vaquita	CACTTTCTGAATTTTTCTTACC- C- - - - TCC- TTAATTGCTGTGAGCTTTTACATTCCTAGAAG- - GATTCTACCTCA								64905
Pig	TTTTTAGTGGAAGAAGTTTATG- C- - - - CTA- GTTTTTGT- TTGCTTTTAATTAATTATTTAAACCCATTTATGAGTGG								64356

Majority	CCTCAGTG- GCATCCTGGTTTATTCATTGATTATTGAGCAGTCATTTTAGCACTXTGCTAGGTAAGTGTAGGGAXT								
	92410	92420	92430	92440	92450	92460	92470	92480	
Human	TTTCAGTG- TCATCCTGGTTTATTC- TTTATTGTATTATTGAGCAGTCATTTTAACACTATGCTAGACACTTTAGAGATT								73572
PolarBear	CCTCAGTG- GCATCCTGGTTAATTCATTGATTATTGAGCAGTCATTTTAGCACTATGCTAGGCACTG- - - - -								33641
Cow	ACTCAGTG- GCATCCTGCTTTATTCATTGATTATTGAGCAGTCATTTTAGCACTGTGCTGGGTAAGTGTAGGGTCT								71336
Dog	TGTCAGTG- ACATCCTGGTTAATTCATTGATTATTGAGCAGTCATTTTAGCACTGTGCTAGGCACTGCAGAGATT								64310
BelugaWhale	CCTCAGTG- GCATCCTGCTTTATTCATCAATTGATTATTGAGCAGTCATTTTAGCACTGTGCTGGGTAAGTGTAGGGGCT								63626
Donkey	CCCCAGTG- GCACCTGGTTTATTCATTGATTATTGAGCAGTCATTTTAGCACTGTGCTAGGTAAGTGTAGGGACT								70455
Cat	- - - - AGTG- G- - - - - TTGTATGGGGTAGAATTGAGAAAGATGGAAG- - AATG- - - - -								70459
Ferret	CCTCAGTG- GCATCCTGGTTAATTCATTGATTATTGAGCAGTCATTTTAGCACTATCTTAGGCACTGCCAGAATT								71779
Lion	- - - - AGTG- G- - - - - TTGTATGGGGTAGAATTGAGAAAGATGGAAG- - AAGG- - - - -								68149
Vaquita	CCTCAGTG- GCATCCTGCTTTATTCATTAATTGATTATTGAGCAGTCATTTTAGCACTGTGCTGGGTAAGTGTAGGGGCT								64984
Pig	GTACAGCCTGGATTCCTCCCAACCTCTGCCTTAACTTTTGG- - - AACTATTGGTTACT- - - TCCAGTTTTTTGTAGCTC								64430

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Majority	CAGAA- AATTACAAGGTTTC- - - - - - - - - TGTGCTTATAATCTGGTAGAGG- - - AAACATATAAAT- AGCTCTAATG	
	92490 92500 92510 92520 92530 92540 92550 92560	
Human	CAGAAGAGTAACAGGGTTTCTG- - - - - - - - - TTCTCATGAAGCTTATCAGAGACAGAAAACATATGAGTTAGATCTAATT	73643
PolarBear	- GTTTAAAATCTGGTGGAGGCAACAAACATCTGAGT- AGCTCTAATG	33686
Cow	CAGAGAAATTACACAATTTTC- - - - - - - - - TGTGCTTATAATCTGGCAGCAA- - - GCATCTGAATAT- ATATCTATTA	71400
Dog	CAG- - - AATTACAAGGT- - - - - - CTATAACTTGATTTACAATCTGGTGGAAAGCAGCAAACATCTGAGT- AGCTCTAATT	64380
BelugaWhale	CAGAAAAATTACAAGGTTTC- - - - - - - - - TGTGCTTGTAAATCT- - - - - - - - - TGTTTATA- - - - - CTCTGGT-	63675
Donkey	CAGAAGAATTACAAGATTTTC- - - - - - - - - TGTTCCTATAATCTGGTGGAGGCAGCAAACATCTGAGT- GGCTTTAATT	70523
Cat	- AAGTCGGGAAAGG- - - - - A- GATTTAAAT- GTTAGAAATG	70492
Ferret	CAGAAGAATTACAGGGTTTCTGTTCTGTAATCTGGTTTACAATCTGGTGGAGGCAGCAAACAAATGAAT- AGCTCTAATG	71858
Lion	- AAGTTGGGAAAGG- - - - - A- GATTTAAAT- GTTAGAAATG	68182
Vaquita	CAGAAAAATTACAAGGTTTC- - - - - - - - - TGTGCTTGTAAATCT- - - - - - - - - TGTTTATA- - - - - CTCTGGT-	65033
Pig	CAGAATGGTTTGAGA- - TA- - - - - - - - - GTGACTTTAGCCTGGAAGCTA- - - - GTGTTTTTA- AT- TTATTTAT- -	64487

Majority	TGAGGCAAACTGAAA- - TATAATAGAGTTGGTGTAGT- ATTAGAGCATAATGAAATG- - - - - X- GATTCAT- ATCX- AA	
	92570 92580 92590 92600 92610 92620 92630 92640	
Human	GGAGGCAAACTGAAATATATAGTGGAGTTAGTGTGGTTATCAGCACATAAATGAGTG- - - - - - - - - ATCCATCAACAAAA	73714
PolarBear	TGAGGCAAAGTGAAATCTGTAAATAGAGTTGGTGTGGT- ATTAGAGCATAATGAAATGCATAACAAGATTCATTATCTGAA	33765
Cow	TGAGGCAAACTGAAA- - TATGTAATAGTTATTATAGT- ATTAGAGCATAATTAACG- - - - G- GCACTTTATCATCCAAA	71472
Dog	TGAGGCAAAGTGAAATCTGTAAACAGAGTTGGTGTGGT- ATTAGAGCATAATGAGATACACAGTGAGATTCAT- - - CTGAA	64456
BelugaWhale	- - - - GGAGGCAGCA- - TATGCCTGAATATCTCTA- - - - - - - - - - - - - - - - - - - ATGTGAGGC- - -	63712
Donkey	CGAGGCAAATTGAAATACATAATATAGTTAGTGTAGT- ATCAG- - CACAATGAAATGA- - - - - GTAATTCATCATCCAAA	70595
Cat	GATGGCAAACAAAA- - - - - AGAAAAAAGATGTAGC- AAGAGAAGTTGCTGAAATG- - - - - GATTGAT- - - - -	70550
Ferret	TGAGGCAAAGTGAAATCTGTAAATAGAGTTGGTGTGGT- ATTTGAGCATAATGAAATGCATGATGAGATTCATTATCTGAA	71937
Lion	GATGGCAAACAAAA- - - - - AGAAAAA- - GATGTAGC- GAGAGAAGTTGCTAAAATG- - - - - GATTGAT- - - - -	68238
Vaquita	- - - - GGAGGCAGCA- - TACGCCTGAATATCTCTA- - - - - - - - - - - - - - - - - - - ATGTGAGGC- - -	65070
Pig	- - - - GTAATTATTAT- - TATGTTTTAGTCTTTCTA- - - AGTGGCCAAAAAGGAAAG- - - - A- GGGGTAGAT- AGCT- - A	64550

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Majority	- GGAAAATTGGGAGXGTTT- XTGGGC- - - - - AAA- - - - - AATAGXXX- - - - -								
	92650	92660	92670	92680	92690	92700	92710	92720	
Human	- GGAGAAATTGGGAGGGTTTTATGGGC-				CAAAAACAGCATGATTAATGTGATAGAGTATATGTCATGT				73781
PolarBear	- GGAGTAATTGGGAGGGTTTTATGGGC-				CAAA-				33795
Cow	AGAGAAAGTTGAAGGGCATT- GTAGGC-				CAAAAGCCATTTGATTGGGATAAAAAGACAGGACTTATTTATTTTACTT				71548
Dog	- GGAGATATTGGGAATGTTTTATGGCCATTTGATTTGGATACAAATAAAAAGGGATGCCTGGGTGGCTCAGTGATTGTCT								64535
BelugaWhale	- - - - - AAACTGAAATACAT-						AATAGAGT-		63734
Donkey	- GGAAAATTGGGAGGGTTTTATGGGA-				CAAAGAGCATTTGATTTGGATAAG-		AATAAAAAGGATTAAAAAACCCAC		70669
Cat	- GTAAAATTATCAAAG- - - - - T-				AGA-				70570
Ferret	- GGAGAAGTTGGGAGGGTTTAATGGGC-				CAAA-				71967
Lion	- GTAAAATTATCAAAG- - - - - T-				AGA-				68258
Vaquita	- - - - - AAACTGAAATATAT-						AATAGAGT-		65092
Pig	- GTAAAATTTCAGATATGTT- - CATCT-				CAAAAATAATTCCATTAATAACTAGGACGCATT-		ACTATTATTC		64623

Majority	- - - - - X- - - - TT- AGTTX- - - - - T- - X- X- XXGT- T- A- - GC- - - - -									
	92730	92740	92750	92760	92770	92780	92790	92800		
Human	TTTAGGTGTGATGAACATTCAGTTAT-				GTGTGACGAATAGGATAATTG-				A-	73829
PolarBear	- - - - - G- CCATTTGATTT-				GGAT-					33811
Cow	ACTTTTTGTTTTGTT- - TTTAGCTATGTCG-				AGTCTTCATTGCTGTGTGAGGGCTTTCTCCAGTTTGCAGTGAGCGAGGG				71625	
Dog	GCCTTCAGCTCAGGTCATCAAGTCTGCATCAAGCTGCCCCACAGGGAAGTTGCTTCACCCTCTGCCTATGTCTCTGCCT								64615	
BelugaWhale	- - - - - T- TAATGTAGTATTAGAGC-								63752	
Donkey	AGCATGGGGGCCAGCCACTGAGTGCTAA-				AAGTTCTGTGCCCTCACTCTGCT-				70721	
Cat	- - - - - AGTTT-								70575	
Ferret	- - - - - GGCCATTTGATT-				GGTT-				71983	
Lion	- - - - - AGTTT-								68263	
Vaquita	- - - - - T- TAATGTAGTATTAGAGC-								65110	
Pig	TCATTAAACTA- - - - - CTAGACTATAA-								TTCACCTTCTATCTTAAAGCTAATTGTAAGAAAAATAACCTCCGG	64691

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Majority	- XX- - - - - XAAGTGAATAAATX- - - - - XXXXX- XAGX- TXAXCXXXTGT- ATAAAGCATAG								
	92810	92820	92830	92840	92850	92860	92870	92880	
Human	- AAA-	- AATATGAAAGGCTATG-	- ATGCCAGAAAGTATTATGGGACAAGATCTTAAAACCAGT						73887
PolarBear	- - - - -	- ACGAATAAGAAT-	- AAAAAACAGCATGAGCAGATGTGATAAAGTATAT						33857
Cow	CTA- - - -	CTCTTCATCGGAGTGTGCGACTTC-	- TCCTTGTGGTGGC- T- - TCTCTTGTTGTGGAGCATGG						71686
Dog	CTCTCTGTGCCTCTCATGAATGAATAAATATATTCTTAAAAAGAATAAAAATTAGTGTGAGCAGATGTGAGAAAGTATAT								64695
BelugaWhale	ATAA- - - - -	- TGAAGTGAGTAATTT-	- A- - - - - TCATCCAAAG						63782
Donkey	- - - - -	TTGGTGGCCTAGGTGCGCAGGTTTCAGATCC-	- TGGCACAGACCTACTCCACTCATCAGCCATGCTGTGGAG						70790
Cat	- - - - -	- TAAA-	- G- - - - AAA-						70583
Ferret	- - - - -	- ATGAATAAA-	- AAATAAGAGCATGAGCAGATGTGATAAAATATAT						72026
Lion	- - - - -	- TAAA-	- G- - - - AAA-						68271
Vaquita	ATAA- - - - -	- TGAAGTGAGTAATTT-	- A- - - - - TCATCCAAAG						65140
Pig	ATAAAAATTTTCTTTTCGAAGTTGATGATTACAT-		- AGTCTTTGCTTAAGC- TGATTTGTTGTCATCATCCATTG						64762

Majority	GT- - - - TTTAGAG- - - AG- XXCAAXXAT- - AGTGATTTATAAGCCATA- - - - -								
	92890	92900	92910	92920	92930	92940	92950	92960	
Human	GTTACCCAGGGAGTATGAATTTAATA-	- - TGGGAATTCTTAAACTCC-	- - - - - T- - TTATGACTGGAAGATGAG						73950
PolarBear	ATCATGTTTtaggg-	- - AGTGACAAGCATTTCAGTTATTAGTAAGCTCTA-	- - - - -						33902
Cow	GC- - - -	TCTAGAGTTCAGGCTCAATAGT-	- TGGGGTTTCACGGACTT- - - - - AGTTGCTCTGCACCGTGTGGGATCTTCC						71754
Dog	ATCACATTTtaggg-	- - AG- GACAA- CATTGAGTTATGATTAAGCCATAGGGTAATTGGTAAACTGTGAAAGGCAGTGGTA							64770
BelugaWhale	G- - - - -	AGA- - - - - AAGTGGA-	- AGGGCTTTATGGGCCA-						63809
Donkey	GCATCCCACATAGAGGGTGGAGGAGGATTGACACAAATGTTAGCTCTGGG-	- - - CTAATCTGC-	- - - - -						70849
Cat	- - - - -	TTGTGAG- - - AC- - - CAG- - - - -	AGTGTTAGACATATCACA-						70613
Ferret	ATCATGTTTtagag-	- - AGTGACAAGCATTTCAGTTATTAATAAGCCATA-	- - - - -						72071
Lion	- - - - -	TCTCGAG- - - AT- - - CAG- - - - -	AGTGTGTTGACATATCACA-						68301
Vaquita	G- - - - -	AGA- - - - - AAGTGGA-	- AGGGCTTTATGGGCCA-						65167
Pig	TT- - - -	TTCAGC- TCTAGCTTCAAGAAA-	- TTTTTTTTCTTAACCCTATA-	- ATTTACCTTCTTTTCTATGGTAGCCTGC					64833

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Majority	ATTTAG- AACTTGATXATAAXX- - - XT- X- - AXXA- - - - - - - - - - - - - - - GG- - XXT-								
	93130	93140	93150	93160	93170	93180	93190	93200	
Human	TTTTAGGCAGTTGGGTAAAA- - - - - AT- GACCAATT								74102
PolarBear	ACTTGGCACCTTATTGAT- -								34031
Cow	ATTTAGGAAGTTGACAAGTATTCAGTTGTGAATGAG- - - - - GCA- - - - - - - - - - TAGGG- GCATA								71935
Dog	ACTTGGCATCTTATTGATACAAGTACTTAGAAAGAATTAACTGGGGATCCCTGGGTGGCTCAGCGTTTAGCGCCTGCC								65009
BelugaWhale	GTTT- TAG- GAATTGACAAGTATTCAGTTGTGAATGAG- - - - - GCA- - - - - - - - - - TAGGGTAATTG								63935
Donkey	GTTT- TAG- GGAGTGACAAGCATTTCAGTTATGAATGAGGCA- - - - - - - - - - TAGGGTAATTG								71017
Cat	CCC- GGTAACCTGATGGT- -								70708
Ferret	ACTTGACATTTTATTGATA- -								72195
Lion	CCCCGGTAACCTGATGGT- -								68395
Vaquita	GTTT- TAG- GAAGTGACAAGTATTCAGTTGTGAATGAG- - - - - GCA- - - - - - - - - - TAGGGTAATTG								65292
Pig	ATTTA- - ATCTTGAAAAAATTTGCTTTT- - - - AA- - - - - - - - - - - - - - - GA- GTTGA								64996

Majority	XXA- - XXATGAAAGGXA- TGXXG- - X- AAAGAA- - XAGTXXXXX- - AAGATXX- - - - - X- - X- - X- XGCTAXX								
	93210	93220	93230	93240	93250	93260	93270	93280	
Human	TAGTTTTAAGAAACTGACTGTGGCTCCAGAGTATGTTGGAGAAGTGAAAATG- - - - - - - - - - GAGACT								74160
PolarBear	- -								34031
Cow	GGAAAACATGAAAGGCAGTGAGGAGAAAAAGAATTAAGTTTGGGTGAGGATCTT- - - - - AGAATGGATGCTATC								72004
Dog	TTTGGCCCAGGGTGCATCCTGGAGTCCCAGGATCGAGTCCCACGTGAGGCTCCCGGCATGGAGCCTGCTTCTCCCTCCT								65089
BelugaWhale	GGAAAACATGAAAGGCAGTGATGTCAGAAAGAAC- TAGTTT- GAGAGAAGATCTT- - - - - AGAACTGATGCTATC								64003
Donkey	GGAGTATATGAAAGGCAATGATGCCGGAAAGAAC- TAGTT- CGGGACAAGATCTT- - - - - AGAACAGATGCTATC								71085
Cat	- -								70708
Ferret	- -								72195
Lion	- -								68395
Vaquita	GGAAAACATGAGAGGCAGTGATGTTAGAAAGAAC- TAGTTT- GAGAGAAGATCTT- - - - - AGAACTGATGCTATC								65360
Pig	CAATCCTGTGAATAGTATGGCTGAAACAAAGAA- - AAATCTTG- - CAAAATGT- - - - - ATTACTGCTGCTTCT								65060

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Majority	----- ----- ----- ----- ----- ----- ----- -----								
	93450	93460	93470	93480	93490	93500	93510	93520	
Human	----- TATGA-----								74316
PolarBear	----- ----- ----- ----- ----- ----- ----- -----								34045
Cow	TAAACTTGTGAGAAG- - - TCGACCTAGACAGTAGGATAT- - TCATTTCCTAGGACTTAGGAAAGAGTT- - CTTTGGGGTTGAG								72231
Dog	GAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAA								65324
BelugaWhale	TAAACTTGTGGAGGAGTCCACCTAGACAGTAGGAAAT- - TCCGTC- TAGGACTTAGGCAGGAGTT- - CTGTGGGGTTGAG								64233
Donkey	----- ----- ----- ----- ----- ----- ----- -----								71234
Cat	----- ----- ----- ----- ----- ----- ----- -----								70718
Ferret	----- ----- ----- ----- ----- ----- ----- -----								72222
Lion	----- ----- ----- ----- ----- ----- ----- -----								68405
Vaquita	TAAACTTGTGGAGGAGTCCACCTAGA- - - - - - - T- - TCAGCC- TAGGACTTAGGCAGGAGTT- - CTGTGGGGTTGAG								65580
Pig	T- - - - TTTTGAGC- - - TCTTCTAACTTCTTATTTCTTCTTCAATTTTAATGTTTCTATATTTTTTTTCTTTCCTATCGTT								65278

Majority	----- ----- ----- ----- ----- ----- -----								
	93530	93540	93550	93560	93570	93580	93590	93600	
Human	----- ----- ----- ----- ----- ----- ----- -----								74316
PolarBear	----- ----- ----- ----- ----- ----- ----- -----								34045
Cow	AATTTGAAAGACCAGAGGATTGATACCTAAAACCTTTGGTTTAAAGAGATCAGATCAGACAGA- - - - GGGCTTGTGGATGG								72307
Dog	AAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAA								65404
BelugaWhale	AATTTGAAAGGCCAGAGGAGTGTTGTTT- TGGTTTAGAGAGATCAGATTTGTAGTTGCCAGACACAGGGCTTGGGGGTGG								64312
Donkey	----- ----- ----- ----- ----- ----- ----- -----								71234
Cat	----- ----- ----- ----- ----- ----- ----- -----								70718
Ferret	----- ----- ----- ----- ----- ----- ----- -----								72222
Lion	----- ----- ----- ----- ----- ----- ----- -----								68405
Vaquita	AATTTGAAAGGCCAGAGGAGTGTTGTTT- TGGTTTAGAGAGATCAGATTAGTAGTTGCCAGACACAGGGCTTGGGGGTGG								65659
Pig	CATTTAGAATGGTATTTTATCTCTGAATACACCTTTTCTTTTTCCTTCCACATGCTAGATTTTCTTACCCTCATGTAATT								65358

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Majority	----- XAAAXATCAAAC T AXGGGATAA XT CX- X TAGAXAGT AXGAAATTTTGT								
	93610	93620	93630	93640	93650	93660	93670	93680	
Human	----- G----- AAAAATGAAGCATGTGGAGGAGTCCACTGGACAGTAGGAAATTCAGC								74364
PolarBear	----- AAGAATTA AACTTGGGGAGAAGTCCACTAGACAGTAGGAAATTTCTGC								34092
Cow	GGAGAAATGGGATAAAGGTGGACAAAAAATACAAACGTCTGGTTATAGAATAAATA- - GTACTAGGGTTATAAAGTATT								72385
Dog	GAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAACTTGT								65484
BelugaWhale	GGAGAAATTTGGATAAAGGTGGTCAACAGG- TACAAACTTCCAATTATAAGATAAATAA- GTACTAGGG- - ATGTAATGTA								64388
Donkey	----- TAAGAATTAACCTTGTAGATGAGTCCACTGGACAGTAGGAAATTCGGT								71282
Cat	----- AGAAA----- T-- GA- - TTTCGT								70732
Ferret	----- AAAAAATTA AACTAGGGGAGAAGTCCACTAGACAGTAGGAAATTTCTGC								72270
Lion	----- AGAAA----- T-- GA- - TTTCAT								68419
Vaquita	GGAGAAATTTGGATAAAGGTGGTCAACAGG- TACAAACTTCCAGTTATAAGATAAATAA- GTACTAGGG- - ATGTAATGTA								65735
Pig	GCTGTGA- GCATTTACATTCCTAGAAGGATTCGGCCTCCTGTCATTGGCATCCTGT- - TTATTGATTCATCCCATTTCT								65435

Majority	CCAGXAXTXXT- TGAXTAATAG- - - - TTCTGTGAGATAGTGAATT- - - - GGGAGAAXAAATGTGTGGTATTTTTAAAAXCX								
	93690	93700	93710	93720	93730	93740	93750	93760	
Human	CTAAGACT- - - - TGGGTAAGAG- - - - TTCTGTGGAGTTGTGAATTC- - - - AGAGGCCAGAGATGTGATAT- TTAAAATTT								74431
PolarBear	CTACA AACT- - - - TGGACAATAG- - - - TTCTGTGAGCTTGTGAATT- - - - GGGAGAACAGATGTGTGATATATTTAAAAGCT								34160
Cow	ACGTGATAAATATGATTTATACTGCTGTATGTTATATATGAAA- - - - - - - - - - GAGTAAATCCTAAGAGTTCTCATTACA								72455
Dog	GGAGAAGTCCACTGGGTAGTAGGAAATTTCTGTGAGCTTGTGAATT- - - - GGAAAAACAG- - GTGTGATATTTTTAAAAGCT								65558
BelugaWhale	ACATGGTACATATAACGAACACTGCTCTATGTTATATAAGAAGGTTGTTAGGAGAGTAAATCCTAAGAGTTCTCATCACA								64468
Donkey	CTAGGACT- - - - TGGGCAAGAG- - - - - - - - - - TTCTGTGGGTTGTGAATTT- - - - AGAGGCTAGAGATGTGATATTTAAA AACTTT								71349
Cat	GCAGAAGCTGTCTTAATTGATG- - - - ATGGTGGGACAGCAGTCT- - - - GAAAGAAACACTGGGTGGTGGGGTAGAATGA								70803
Ferret	CTACA AACT- - - - TGGACAGTAG- - - - TTCCATGA ACTTGTGAATT- - - - GGGAGAACAGATGTGTGATATTTTAAAAGCT								72338
Lion	GCAGAAGCTGTCTTAATTGATG- - - - GTGGTGGGACAGCAGTCT- - - - GAAAGAAACACTGGGTGGTGGGGTAGAATGA								68490
Vaquita	ACATGGTACATATAACGACCACTGCTCTATGTTATATAAGAAGGTTGTTAGGAGAGTAAATCCTAAGAGTTCTCATCACA								65815
Pig	TCAACATTCAC TTTAGC- ACTGTGTTTTGTACTATATAGG GACTT- - - - - - - - - - GGGAAAATCACAAGAAA- CAAATAGGG								65505

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Majority	TGGATAAXAGATTCTTTAGGTATAAGXTGGCAXGAGGATTAA- - TGAXXTGAAAA- T- - - - T- - - - - GAAACTTAA- - GC									
	93770	93780	93790	93800	93810	93820	93830	93840		
Human	TGGTTCA-	AGATTTCCCAGGTATAAGAAAGCAAGAGGATTAA-	- -	AGCATTGTAA-	- - - - -	T- - - - -	TAAACTTTAA-	GC	74495	
PolarBear	TGGCTTA-	AGATTCTTCAGGTATAAGAGGGCAAGAGGATTAA-	-	TGACTTGAAAAGTAAAATT-	- - - -	GAAACTTAA-	-	GC	34231	
Cow	GGA- -	GAAAAATTTTTTCTGTTTCTTCT-	TGTT- -	ATCTG-	-	TGAGGTGATGGATGTTCA-	- - -	CTATACTTAACTGT	72524	
Dog	TGGCTTA-	AGATTCTTTAGGTGTAAGAGGGCAAGAGGATCAA-	-	TGGCTTGAAAT-	TACAATT-	- - - -	GAAACTTAA-	-	GC	65628
BelugaWhale	AGGAGAAAAAATTTTTTCTATTTCTTTAATGTTGTATCTGTATGAGATGATGGATGTTCA-	- - -	CTAAACTTAT-	TGT					64543	
Donkey	GGTTTTTAAGATTCTTCAGGTATAAAAAAGCAGGGCGGTTAA-	-	AGACTTGAAAT-	- - - - -	- - - - -	TGAAACTTTAA-	-	GC	71415	
Cat	TGAATAATACATCCTTTCTCTTTCTTTGGGGCAGGGTTTAG-	-	GGAGGTAAAAA-	- - - - -	T- - - - -	GACTTTTTG-	-	AA	70868	
Ferret	TGGCTTA-	AGATTCTTCAGGTATAAGAGGGCAAGAGGATTAA-	-	TGGCTTGAAAT-	TAAAATT-	- - - -	GAGACTTGA-	-	GC	72408
Lion	TGAATAATACATCCTTTCTCTTTCTTTGGGGAAGGGTTTAT-	-	GGAGGTAAAAA-	- - - - -	T- - - - -	GACTTTTTG-	-	AA	68555	
Vaquita	AGGAGAAAAAATTTTTTCTATTTCTTTAATGTTGTATCTGTATGAGATGATGGATGTTCA-	- - -	CTAAACTTAT-	TGT					65890	
Pig	AAA- -	AATTAAGCATAAAAGTAATAGGACT-	TGCC-	-	ATCTTACTGATACGATGACTTACGAAGAATTA	AACTTACATAG			65580	

Majority	AGTGAXCA- TTATATTGTGGGTAAA- - AATTAATXA- - - - - TTAGGGATGAAGTAAACX- - - TTAAAATTAXAAGTTXC												
	93850	93860	93870	93880	93890	93900	93910	93920					
Human	AGTGCATATTTATGTTATAGATAAGATAAAACAAGAAA-	- - - -	TCTAGGGATCAAATAGGA-	- - - -	TTAAAATTAGTAGTGAT				74567				
PolarBear	AGTAAACATTTATATTGTGGGGAAA-	-	AAATAAGAAA-	- - - -	TTGAGGGATGAAATAAATAGGATTA	AAAATTAGAAAGTTCC			34305				
Cow	GGTGATCA-	TCTCATGGTGTATG-	- - - -	AGTCAAATCA-	- - - - -	TTATGCTGTCTGTACACC-	- - -	TTAAATTTATACAGTGC	72591				
Dog	AGTGCACAATTATATTGTGGG-	AAA-	AATTA AAC-	- - - - -	TTAGGGATGAGATAAATAGCATTAA	AAAATTAAAAGTTCC			65698				
BelugaWhale	GATAATCA-	TCTCATGGTGTATGTA-	-	AGTCAAATCA-	- - - - -	TTATGCT-	- - - -	GTACACC-	- - -	TTAAATTTATACAGTGC	64608		
Donkey	AGTGCACATGTCTATTGTGGGAAAAATAAAGAAGCAAAAAACTGAGAGGTGAAATACATAGGATTA	AAAATTAGAAAGTGCC							71495				
Cat	AGGG-	- - - - -	TTATAAG-	AGA-	-	AGTTCCAT-	- - - - -	GAGGACAAAGCAAGC-	- - -	TTTTAATTAAAA-	- - - -	70917	
Ferret	AGTGCCCATTTATATTGTGGGGGAA-	-	AAATAAGCAAGAACTTGAGGGATGAAATAAATAGGATTA	AAAATTTGAAGTTCC					72486				
Lion	AGGG-	- - - - -	TTATAAG-	AGA-	-	AGTTCCAA-	- - - - -	GAGGACAAAGCAAGC-	- - -	TTTTAATTAAAA-	- - - -	68604	
Vaquita	GATAATCA-	TCTCATGGTGTATGTA-	-	AGTCAAATCA-	- - - - -	TTATGCT-	- - - -	GTACACC-	- - -	TTAAATTTATACAGTGC		65955	
Pig	AGGAATC-	- - -	CACCTGGACGGGA-	- - - -	AATTGAGTC-	- - - - -	TAGGCTTTAGGCA-	ACC-	- - -	GT-	- - - - -	TCTGTGGGGT	65637

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Majority	T GTTCAGTCCTXTAGTTTCCATAAGGTTAATCATXAAAAX- - - - T- - - - - XGGTATAAA- - - - TCCAATTA									
	93930	93940	93950	93960	93970	93980	93990	94000		
Human	CATTCAGTACAGTAGTTAC-	GTACTGTTATTCCACAAGAGT-						ATATAAA-		TCAAATTA 74621
PolarBear	TGTTCAGTTCCGTAGTTCCCATATGGTTATTCATGAGGG-							GGGTATAAA-		TCAAATTA 34362
Cow	TGTATGTACATTATCTCTCAATAAAACTGAAAGAAAAAAA-							T- TTTTAAGATT-		CCCAACTG 72652
Dog	TACTCAGTTCAGTAGTTCCCATAAAGGTTATTCATGAAGG-							GGGTATAAA-		TCAAATTA 65755
BelugaWhale	TGTATGTCCATTATATCTCAGTAAACTGAAAGAAAAAAA-							CTT-		TGGTTTAAGATT- CTCAGGTA 64671
Donkey	TGTTCAGTTC AATAGTTACCATTTGCTTATTCACAAGAGATGTGATATTTAAACTTTGGTTTTTAAGATTCCTCAGGTA									71575
Cat	- - - - - AGTTTCTCTAAGGAACACGTTGAAAA-							AGAAAA-		TTTGATTG 70958
Ferret	TGTTCAGT- - - - - AGTCCCATAAAGGTTATTCATGAGGGG-							GGGTATAAA-		TCAAATTA 72539
Lion	- - - - - AGTTTCTCTAAGGAACACGTTGAAAA-							AGAAAA-		TTTGATTG 68645
Vaquita	TGTATGTCCATTATATCTCAGTAAACTGAAAGAAAAAAAACCTT-							TGGTTTAAGATT-		CTCAGGTA 66021
Pig	T- TGAGAACTTAGAAGGCCAGAGGAGTGATGTTTAAAC-							TT-		TGCTTTAAATT- CCCAGGTA 65698

Majority	T AAXAGATXXAAGAGGATTAAGXCTTGAGAAXG- AX- - ACTTTAAGCATTGAAGATTTGTGTTGTAGXAAA- - XXAAGA							
	94010	94020	94030	94040	94050	94060	94070	94080
Human	CAAGGAATTAA-	GGATATAAACGTGATAAGAAAGTATGCACTGTACTCTTTGAGGAAGTTTGCCATAGAAAG-						GAAGA 74697
PolarBear	TTATGGATTAA-	GGGTA-						TAAGAAAG- AT- - TTACTACTCTTTGAAGAAGTGTGATGTAATAAA- - GGAAAG 34427
Cow	TAAAAG-	GGCAGGAGGGCTAAAGTCTTGAAA-						CTTTAAGCAGTGTACATTTATGTTGTGGGAAAA- - - - GA 72717
Dog	TGATGGATTAAAGGGTATAAATATGATAAGAAAGCAT-							TTACTACTCTTTGAAGAAGTGTACTATAAAAAA- GGAAAG 65832
BelugaWhale	TAAAGAG-	AGCAAGAGGGCTAAAGACTTGAAATTG- AA-						ACTTTAAGCACTACACATTTATGTTGTGGGAAAG- TAAAGA 64746
Donkey	TAAAAAA-	GCAGGGCGGTTAAAGACTTGAAATTG- AA-						ACTTTAAGCGGTGCACATGTCTATTGTGGGAAAAATAAAGA 71651
Cat	TTAATGATAGAAAAGAATGGATT-							CCAGCAGGCAC- - A- ATAAGGAATTGAAGGGTAGGTTTGTAGAAGA- - - - - GG 71026
Ferret	AAATGGATTAA-	GGATAGAAATGTGATAAGAAAGCAT-						TTATTATTCTTTGAAGAAGTGTGCTATAAAAAA- - GGAAAA 72614
Lion	TTAATGATAGAAAAGAATGGATT-							CCAGCAGGTAC- - A- ATAAGGAATTGAAGGGTAGGTTTGTAGAAGA- - - - - GG 68713
Vaquita	TAAAGAG-							CAAGAGGGCTAAAGACTTGAAATTG- AA- - ACTTTAAGCACTACACATTTATGTTGTGGGAAAG- TAAAGA 66094
Pig	CAAGAGAGGGAACAGGGTTAAAGACTTGAAAATA-							AA- - ACTTTAAGCAGTGCATATTTATGTTGTGGGAAAACCTAAAGA 65775

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Majority	AGAAATGGATTGAGGGXTG- - - - - AAATAAATAGGXTTAXA- TTAGAGGTGCXTGTXCAGTTTXXGTA								
	94090	94100	94110	94120	94130	94140	94150	94160	
Human	AGAAATAGGATGGTAGATC- - - - - A- - - - - G- - - - - AAGTAAAGCAGGACCCAGTGGGGGGAGTGTTTGCAGTGAGGCCA								74761
PolarBear	AGAAATGGAATGGTAGTTG- - GAGTAGAGCAGGGCCAGGGAGAA- ATGTTTGA- TTGAGGAACCATGCATAACTGTATG								34503
Cow	AGCAAGAGATCAAGGGATA- - - - - AAATAA- - - - GATTAAAATTAGAAGTGCTTTTTTCAGTTTAGTA								72775
Dog	AGAAATGGAATG- TAGTTG- - - - - AGAA- - TGTTGTA- TTGAGGGACTGTGTATAATTGTATG								65888
BelugaWhale	AGTAAGGGATTGAGGGATG- - - - - AAATAAATAGGGTTAAA- TTAGAAGTGCCTATTCAGTTTAGTA								64807
Donkey	AGCAAAAACTGAGAGGTG- - - - - AAATACATAGGATTTAAATTAGAAGTGCCTGTTTCAGTTCAATA								71713
Cat	AGGCATGGATTGAGGATAG- - - - - AATAGTGTCTCA- TTTTTGTCAAAGCAAATTTTT- -								71082
Ferret	AGAAATGGACTGGTAGTTGAGGAGTAAAGCAGGGTGGGAGGGGATGTGTTTGA- CCGAGGAATATATATAATCATAGG								72693
Lion	AGGCATGGATTGAGGATAG- - - - - AATAGCGTTTCTCA- TTTTTGTCAAAGCAAATTTTT- -								68769
Vaquita	AGTAAGGGATTGAGGGATG- - - - - AAATAAATAGGATTTAAA- TTAGAAGTGCCTATTCAGTTTAGTA								66155
Pig	AGCAAGAAATTGAAGGATG- - - - - AAATAAATAGGATTTAAATTTAGAAGTGCCTTTTTTCAGTTTAGTA								65837

Majority	GTTTCCATAATC- TTXATXXTTATTGTTXAGAATXGGTXTAAATCTCATTGTAATGGAXTCGAAATXT- - - - - XAATATG								
	94170	94180	94190	94200	94210	94220	94230	94240	
Human	GTATGTATAATCATTTAAAACATGGGTTTGGAGTCCTCTCAGGTTCCATGTT- - TGTAATGGACATA- - - - ATGATAATA								74835
PolarBear	GGCTCCAAAATC- CAGATGTCCTGAGTTCAAATCTGTCTCAACTTCACTGTCTTGGCCTCCAAATTTGTAATGGATATA								34582
Cow	GTGACCATAAAG- TTTATTCTTATTCATAAGAATGGGTATAAATCAAATTATAAAGAATTAGGAATAT- - - - AAATATG								72849
Dog	GGCTCCAGA- TC- CAGGTGTCATGAGTTCAGAATTCATCTTAGCTTCACTGTCTTAGCCTCCCATGTGTAGTGGTTATA								65966
BelugaWhale	GTTACCATAAAG- TTTATTCTTATTCGTAAGAATGGGTATAAATCAAATTATAATGGATTAGGAATGT- - - - AAATTTG								64881
Donkey	GTTACCATT- - - - - TGCTTATTCACAAGAGTGGGTATAAATCTACTTTTAAATGGATC- - - AA- - - - - TG								71769
Cat	AGTTTCAA- TC- AGGAAATAAAATGTTCTAAAACCTCC- - TCCCACTGA- - AAACCCAATACTT- - - - - TATG								71146
Ferret	GGCTCCAAA- TC- CAGATGTCCTGAGTTCAAATCTGTCTCAGCTTCACTGTCTTGACCTCCATATTTGTAATGGATATA								72771
Lion	AGTTTCAA- TC- AGGAAATAAAATGTTCTAAAACCTCCC- - TCCTCACCGA- - AAACCCAATACTT- - - - - TATG								68834
Vaquita	GTTACCATAAAG- TTTATTCTTATTCGTAAGAATGGGTATAAATCAAATTATAATGGATTAGGAATGT- - - - AAATTTG								66229
Pig	GTCACCATAAAG- TTTATTCTTTT- - - - AAGAATGGATATGAATCCAATTTAAATGGATTAAGGATGC- - - - AAATATG								65907

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Majority	ATAX- XAXGTTATAAGGCCXTTTTGA- GTAXTGXATT- - TGGTAGXAAGXAAAAA- - - TTGGATAGTACTTGAXATGCAA	
	----- ----- ----- ----- ----- ----- -----	
	94250 94260 94270 94280 94290 94300 94310 94320	
Human	ATCCCTTTTCATTTAAGGCTGTTGTGA- GGATTAATG- - TGTTAATGTGCAAATAACTTTACACAGTGCCTGGTATATAA	74912
PolarBear	ATGACAGTGTTACAAGGCTATTGTGA- GGATTAATG- - TGTTAA- - - GTGAAGT- - - TTGTATAGTGCTTGGCATATAA	34653
Cow	ATA- - - AAATATTTACTCCTCTTTGAAGTAATGCACTCTTGGAAAGGAAGGAAAAA- - - TGGGATGGTAGTTGAAAAGCAA	72923
Dog	ATGACAGTGTTACAAGGGTATTATGA- GTATTAATG- - TGTTAATAAGTATAGT- - - TTGTATAGTGCTTGGCATATAA	66040
BelugaWhale	ATAAGAAAGTACTTACTACTCTTTGAGTAAGTGCTTT- - AGGAAGGAAGGAGAAA- - - TGGGATGGTAGTTGAGGAGCAA	64956
Donkey	T- - - - - - - - - - - - - - ACTACTCTGA- - - AGTGTGCTGTAGAAAGGAAGGAGAAA- - - TGGGATGGTAATTGAGAAGTAA	71828
Cat	A- - - - - - - - - - - - - - ATTAGAAGGCCCTTCCAATATACTGTGT- - - CAGTAGTATGTGAGAC- - - TTGAA- ACTACCAGATGTCCTA	71213
Ferret	ATAACAGTGTTGCAAGGCCATTGTGA- AGATTAAGTG- - TATTAATAAGTGCAGT- - - TTGTATAGTGCTGGGCATACGA	72845
Lion	A- - - - - - - - - - - - - - ATTAGAAGGCCCTTCCAGTATACTGTGT- - - CAGTAGTATGTGAGAC- - - TTAAA- ACTACCAGATGTCCTA	68901
Vaquita	ATAAGAAAGTACTTACTACTCTTTGAATAAGTGCTTT- - AGGAAGGAAGGAGAAA- - - TGGGATGGTAGTTGAGGAGCAA	66304
Pig	ATA- - - AAGTATTGACTACTTTTTGAAGAAGTGACA- TAGCAAAGAAGGAGAAA- - - TGGGATGGTAGTTGAAGAGCAA	65980

Majority	- TXAAGGCTCAAGAGGTAATGACTAXXATAAGGAAXXTXGCATAAT- - - CATTTTGAGTATTGGTTXC- - - - - - AAATC	
	----- ----- ----- ----- ----- -----	
	94330 94340 94350 94360 94370 94380 94390 94400	
Human	- TAAATGCTTGCTACCTATTAAGTAGTATTTGTTTCTAAGGCTAATTT- AAGTCTAGAAATTTGATTGC- - - - - - AA- -	74980
PolarBear	- TGAATGTTCACTTCATATTAAGTAGTATTTGGGTTTT- - - GTGGG- - GTTTTTTGAAAGATTTATTTATTTTAGAGAGCA	34727
Cow	- GGAAGTATGCATAAT- - - CATTTTGAGTGTAGGCTCA- - - - - - AAATC	72962
Dog	- TGAATGCTCATTTTCATATTAAGTAGTATTTGTTTTTTT- - - GTGGG- - - ATTTTGGGGGA- - GACTTA- - - - - - GAGCA	66104
BelugaWhale	ATCAGGGCCCAAGAGGAAATGTTTACAGTAAAGGAGTATGCATAAT- - - CATTAAAGAGTATGTGGTCC- - - - - - AAATC	65026
Donkey	AGCAAGACCCAAGGGGAAAGTGTTCAGTACGGAAGTATGCATAAT- - - CATTAAAGAGTATTGGCTCC- - - - - - AAATC	71898
Cat	- AACAGGGTAAAGAAGTAA- GACCAAGAGAAATAATTTA- - ATGGA- - - - - CTTTGGATATAAGTTTT- - - - - - A- -	71273
Ferret	- TGAATGCTCAATTTATA- - AACTAGTATTTGTTTTTTTTTGTGGATTGTTTTTTGAAGATTTATTTATTTTAGAGAACA	72922
Lion	- AACAGGGTAAAGAAGTAA- GACCAAGAGAAATAATTTA- - ATGGA- - - - - CTTTGGGATATAAATTTT- - - - - - A- -	68961
Vaquita	ATCAGGGCCCAAGAGGAAATGTTTACAGTAAAGGAGTATGCATAAT- - - CATTAAAGAGTATGTGGTCC- - - - - - AAATC	66374
Pig	AT- AGGGCCCGAGGGGAAATGTTTGCAGCGAGCAAGTGTGCATAAT- - - CATTAAAGAGTATGGGCTCC- - - - - - AAATC	66049

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Majority	CAXATGXGATCAGTACAAAA- CTGGCACAGXTTAACTGTCGCAGXTTCCACATTTATCATGGA- - TAAAATGX- XXTAA								
	94410	94420	94430	94440	94450	94460	94470	94480	
Human	- GGATTAGATCAGGA- - - - -	GTATAGTGGACATGTTGGGATTTAAATATTTA- AATATA- - -	GAGATG- - - - -	75038					
PolarBear	CAAGTGGGAGGGGGAGAAGAAGAGGAAGAGAGAATCTCAAGTAGACTCCGCGTTGATCGTGGAGCCTGACACAGGGCTCG	34807							
Cow	CAGACATCCTCAATTCAAATCTGGCTCAGCTTTGCTGTCTTAGATTTTACATTTTGTGATGGA- - TATGAT- - -	AGTAA	73036						
Dog	CAAGTGGGAAGGGGA- - - - -	GAGGGAGAGAGAATCTCAAGCAAATGCTCACTGAGCATGGAGCCCAACACAGGGCTCA	66178						
BelugaWhale	CAGACATCCTCAGTTCAAAGCTGGCTCAACTTCACTGTCTCAGCTTTTACATTTTGTGATGGA- - TATAATGATGGTAA	65103							
Donkey	TAGGTGTCTGAGTTCAAATCTAGCTCAGCTTCACTGTCTGAGCTTCAAATTTGTAATGGA- - TGTAATGGCATTAA	71975							
Cat	- GAATGGGAAATGAA- - - - -	GGGATAAAACAAATTGTGCA- - - TCCTTAAAATCATGGG- - - TAAAATAAT- - - - -	71333						
Ferret	TGAATGGGAGGGGGAGAAGAGAGGAGGAAGAGAGAATCTTAAGCAGACTCCATGTTAAGTGCGGAGCCTGACACGGG- - TTG	73000							
Lion	- GAATGGGAAATGAA- - - - -	GGGATAAAACAAATTGTGCA- - - TCCTTAAAATCATGGG- - - TAAAA- - - - -	69017						
Vaquita	CAGACATCCTCAGTTCAAAGCTGGCTCAACTTCACTGTCTCAGCTTTTACATTTTGTGATGGA- - TATAATGATAGTAA	66451							
Pig	CACACATCCTCAGTTCAGAATCTGGCTCAGCTTCGCTGTCTCTGCTTTTACATTTTGTGTAATGGA- - TATAACGA- AGTTA	66125							

Majority	XTCCCATGTX- TXAGGCT- XXG- - - - XAGGAXXACAT- XTSTTAAACXXAAACAAAGAATTTT- - - - GATGCTTGACAAA								
	94490	94500	94510	94520	94530	94540	94550	94560	
Human	- CTT- - T- - - - - - - - TT- - - - - - - - AGGA- - CCATTGTTAGAACC- - AGAAGAGATTTTT- - - - -	TACCAAGTTCA	75086						
PolarBear	ATCTCAAGAACTGAGCCTCGTGACCTGAGAGAGATCACGACCTGAGCTGAAACCAAGAGTTG- - - - GA- GCTTAACCAA	34881							
Cow	TCCCCATGTTCTAAAGCTAGTGTG- GAGGATTGAATTATGTTAATGCATACAGAGAACTTTTACAAATGCCTGACATA	73115							
Dog	ATCTCACAC- - - - - CCTT- - - - - - - - GAGT- - TCATCTCCTGATCCAAAACCAAGAATTG- - - - GATGCTTAACCAG	66236							
BelugaWhale	TCCCCATGTTTTAAGGCTAGCGT- - - - GAGGATTAAT- GTTTTAAT- - - - ACAGAGAACTTTTACAGTGTCTGGCATA	65174							
Donkey	TTCTGTGTTCTAAGGCTCTTGC- - - - GAGGATTACAT- GTGTTAAC- - GTGTAAGAAATTT- - GCTGTGCTTGGCAGA	72046							
Cat	- - - - - - - - - - - - - - CCT- - - - - - - - AAGG- - - - ACAAGTCAAGAGAAGCCTAAGGGGAT- - - - GAGACATGACTAA	71379							
Ferret	ATCTCAAGA- - - - - CCCT- - - - - - - - GAGA- - TCATGACCTGAGCCAAAACCAAGAGTTG- - - - GATGCTTAACCAA	73058							
Lion	- - - - - - - - - - - - - - GG- - - - - ACAAGTCAAGAGAAGCCTAAGGGGAT- - - - GAGACATGACTAA	69058							
Vaquita	TCCCCATGTTTTAAGGCTAGTGT- - - - GAGGATTAAT- GTTTTAAT- - - - ACAGAGAACTTTTACAGTGTCTGGCATA	66522							
Pig	ATTCCATGTTGTAAGGCTAGTGC- - - - GAGGATTAAT- GCGTTAATACGTACAAAGAATTTTGCACAGTGCTTGGCATA	66200							

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Majority	CAXTGAATGCTAGTTTTCAT - - TXGCTAGTATTTGTTTTTAAGGCTAGCTTAAGTCCTAGAATTGATTGTAGTXGATTGGA	
	94570 94580 94590 94600 94610 94620 94630 94640	
Human	CACAGAAATGTAGGTGCAT - - TGGCTGGGCATGGTGGCTCACACCTGC - - AATCCCAGCAC - - - - -	75143
PolarBear	CTGTGCCACCGAGGCATCC - - - - CTGGTGTATTATTTTTAAGGCTAGCTTAAGTCCTAGAATTGATGGTAGAGGATTGGG	34956
Cow	TAATGAGTGAAATTTTTCATATTAGCTAGTATTTGTTTTGAAGGCTAGCTTAAATCCTAGAATTGATTGTAGTGAATTGGA	73195
Dog	CTGTGCCACCCAGTCACCC - - - - CTAGTATTTATTTTTAAGGCTAGCTTCAGTCCTAGAATTGAATGTA - - - - -	66301
BelugaWhale	GAATGAATGCTAACTTCATATTAGCTAGTATTTGTTTTGAAGGCTAGCTTAAGTCCTAGAATTGATTGTAGTAGATTGGA	65254
Donkey	TAATGAATGCTCATTTTCATATTAGGTAGTATTTGTTTTAAGACTAGCTTAAAGTCCTAGAGTTGATTGTAGTTTGTGGGA	72126
Cat	ATGTATT - - - - GGAGGTTC - - - - TTGGAACAAAAAAG - AATATTAGATGCACACCAAGGA - - - AATCTG - - - - -	71436
Ferret	CTGTGCCATCCAGGCACCC - - - - CTAGTATTTGTTTTAAGGCTAGCACAAGTCCTAGAAGTTGATTGTAGAGGATTGGT	73133
Lion	ATGTATT - - - - AGAGGATC - - - - TTGGAACAAAAAAG - AATATTAGATGCACACCAAGGA - - - AATCTG - - - - -	69115
Vaquita	GAATGAATGCTAACTTCATATTAGCTAGTATTTGTTTTGAAGGCTAGCTTAAAGTCCTAGAAGTTGATTGTAGTAGATTGGA	66602
Pig	TAATGAATGCTTATTTTCATGTTAGCTGGTGTGTTTTGAAGGCTAGCTTAAAGTCCTAGAATTGATTATGGTGGATTGGA	66280

Majority	TCXAGAXTATAGTGGAAATGTTGGGGCCTAGXAAATAAAGAGA - - - - TACTT - TTTAGGACCATTGTGA - GAACTGGAA	
	94650 94660 94670 94680 94690 94700 94710 94720	
Human	- - - - - TTGGGAAGGCTGAGGCAGAAGAACTGCTTGAGGC - - CAACATTTTGAGACCAGCCTGGGCAACATATT	75209
PolarBear	TCTAGAGTATAGTGAAAATGCTGGGGTCTAAAAAATAA - - - - - TGCTTGCTTAGGATCATTGTGA - GAACTAGAA	35025
Cow	TTGAGAATA - ATGGAAGTGTTGAGGCA - - - AAATATATAGA - - - - AAATT - TTTAGGACCATTGTGA - GAACTAAAA	73262
Dog	- - - - - TAGTGAAAATGCCAAGGCCTAGAAAATAGAA - - AGG - - TACTTGTTGAGGATCATAATGAAGAAGCTGGAA	66367
BelugaWhale	TCAAGAATATAGTGGAAATGTTGGGGCCTACGAAATACAGAGA - - - - TACTT - TTCAGGACCATTGTGA - GAACTGGAA	65327
Donkey	TCAAGAGTGTAGTGGAAATGTTGGCATCTAGAAAATATAGAGA - - - - TACTT - TTTAGGACCATTGTGA - GAACTAGAA	72199
Cat	- - - - - ACAAAGTATGGAATTCAGTTGATGA - - - - - TAATATATCAGTATTAGT - TGATTAATTGCAA	71492
Ferret	TCTAGAGTATAGTTTAAATGCTGGAGCCTAAAAAATAGAAAAGTACTTGCTTGCTTAGGATCATCCTGA - GAACTAGAA	73212
Lion	- - - - - ACAAAGTGTGGAATTCAGTTGATGA - - - - - TAATATATGAGTATTAGT - TGATTAATTGCAA	69171
Vaquita	TCAAGAATATAGTGGAAATGTTGGGGCCTACGAAATACAGAGA - - - - TACTT - TTCAGGACCATTGTGA - GAACTGGAA	66675
Pig	TCAATAATACAGTGGAAAGGTTGGGGGAGTAAATATAGAGA - - - - TACTT - TTTACAACCATGGTGA - GAACTGGGA	66353

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Majority	GGGATTTTT- ATCAAGCTCACATAGAA- - - - - ATTTAGGGGCAGAGCTGGAGCCAGAAGTGAAGTCATC								
	94730	94740	94750	94760	94770	94780	94790	94800	
Human	AAGACCCCGTCTCCACCAAAAAAAAAAAAAAAAAAG- - - - - AAGTAGGTGCAGAGCTGGAAGCAGAACCGAAATCATC								75280
PolarBear	GGGATTATC- ATCAAGCTCACATAGAA- - - - - ACGTAGGGGCAGAGCTGGGGCCAGAAGTGAAGTCATC								35088
Cow	GGAACCTTCT- GTCAAGCTCACATAGAA- - - - - ATTTAGGAGCAGAGTTGGAGCCAGAAGTGAAGTTGTC								73325
Dog	AGGATT- - - - AGCAAGCTCTTATAGAAATGTAGGGGAAGGAAAATGTAGGGGCAGAGCTGGAGCCAGAAGTGAAGTCATC								66443
BelugaWhale	GGAATTTTT- ATCAAGCTCACAGAGAG- - - - - ATTTAGGGGCAGAGCTGGAGCCAGAAGTAAAGTCATC								65390
Donkey	GGGATTTTT- ATTAAGCTCACATAGAA- - - - - ATTTAGGGGCAGAGCTGGAGCCAGAAGTGAATCATT								72262
Cat	TAATT- - - - - AACTAACGTAAAA- - - - - TGTTAA- TGGGAAAAGGAAGTG- - - - TGCA								71536
Ferret	GGGATTATT- ATCAAGCTCACATAGAATTGTCTGGGGGA- - - - AATGCAAGGGTGGAGTGGGGCCAGATCTGAAGTTATC								73287
Lion	TAATT- - - - - AACTAACGTAAAA- - - - - TGTTAA- TGGGAAAAGGAAGTG- - - - TGCA								69215
Vaquita	GGAATTTTTTATCAAGCTCACAGAAAG- - - - - ATTTAGGGGCAGAGCTGGAGCCAGAAGTAAAGTCATC								66739
Pig	TGGATTTTT- TTCAAGCTCCCCTAGAA- - - - - ATTTTGAACATGGCTGTAGCCCGACCTGAAGTCATC								66416

Majority	AGCTTT- - ATAGTCCATATTCTTT- CTTCTCACCATTTTGTGTCTTTAT- - - - - GXAGAAAGGGGAACAGATGAAA								
	94810	94820	94830	94840	94850	94860	94870	94880	
Human	AGTGTT- - ACAGTCATTATTCTTT- CCTGTCACCATTATATGTCTTTAT- GAAGCAAGGGAGAAAGAAGAACAGATGAAA								75356
PolarBear	AGCTAT- - GTAGTCCATGTTCTTT- CCTCTCACCATTCTATGTTTTTCTGAAGAAAGGGAAGAGGGGAAAACAGATGAAA								35165
Cow	AGTTTTTTACAGTCTGTATTCTTT- CTTCTCACCATTT- GTATCTTCAT- - - - - AAAGAAAGGGGAACAGATGAAA								73394
Dog	AGTTAT- - GTAGCCCATATTCTTTCTTCTCACCATTCTGTGTTTTTAT- GAAGAAAGGAAAAGGGGGGAACAGATGAAA								66520
BelugaWhale	AGCTTTTGATAGTCCATATTCTTT- CTTCTCACCATTT- GTATCTTTAT- - - - - GAAGAAAGGGGAACAGATGAAG								65459
Donkey	AGCTTT- - ATCGTCCATATTCTTG- - TTCTCACCATCATGTATCTTTAT- GAAGAAAGACAGGAAGGGGAACAGAGGAAA								72337
Cat	GGTTAT- - ATAG- - - GAACTCTGT- - - - - AGAAGCTTCAGTTTTTCT- - - - - GTAAATCTAAAAGTGTCTAA								71594
Ferret	AGCTGT- - GTAGTCCATATTCTTT- CTAATCACCATTCTTTGGTTTTATGAAGAAAGGGAGAAAGGGGAAAACAGATTAAA								73364
Lion	GGTTAT- - ATAG- - - GAACTCTGT- - - - - AGAAGCTTCAGTTTTTCT- - - - - GTAAATCTAAAAGTGTCTAA								69273
Vaquita	AGCTTTTGATAGTCCATATTCTTT- CTTCTCACCATTT- GTATCTTTAT- - - - - GAAGAAAGGGGAACAGATGAAG								66808
Pig	AGCTTTTTATAGTCTACGTATATA- TAGTCTACCATTTTGTATCTTTGT- - - - - AGAGAAAGGGGAATAAATGTAA								66486

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Majority	GAAGGGAGX- - ACTTTTGAAGTTGGTTGAAAATTTTGAG- - - - -								
	94890	94900	94910	94920	94930	94940	94950	94960	
Human	GAAGTGAGGA- - - TTTTGAAGTTGGTTGAAAGATTTGAT- - - - -								75392
PolarBear	GAAGGGAGT- - ACTTTTGAAGTTGGTTGAAAATTTTGAG- - - - -								35202
Cow	GAAGGGAGA- - ACTTTTGAAGTTGGTTGAACATTTTAAG- - - - -								73431
Dog	GAAAGGA- - - - CTTTGAAGTTGGTAGAAAATTTTGAG- - - - -								66554
BelugaWhale	AAAGAGAGAGGACTTTTGAAGTTGATTGAAAATTTGGGG- - - - -								65498
Donkey	AAAAGGAGG- - ACTTTTGAAGTTGGTTGAAAATTTGTAAG- - - - -								72374
Cat	AATAAAA- - - - - - - - - ACCTTATTA AAAA ACCATGGG- - - - -								71621
Ferret	GAAGGGAGT- - ACTTTTTAAGTTGGTTGAGAACTTGAAATTC TTTTTTTTTTTTTTTTGT TTTATATTTATTTATTTGACA								73442
Lion	AATAAAA- - - - - - - - - ACCTTACTAAA A ACCATGGA- - - - -								69300
Vaquita	AAAGAGAGAGGACTTTTGAAGTTGATTGAAAATTTGGGG- - - - -								66847
Pig	GAAGGAAGG- - CCTTCTGAAGTTGGTTGAAAATTTTGGA- - - - -								66523

Majority	- - - - -								
	94970	94980	94990	95000	95010	95020	95030	95040	
Human	- - - - -								75392
PolarBear	- - - - -								35202
Cow	- - - - -								73431
Dog	- - - - -								66554
BelugaWhale	- - - - -								65498
Donkey	- - - - -								72374
Cat	- - - - -								71621
Ferret	GAGATGACAGAGAGGCAGAAAGGCAGGCCAGAGAGAGAGGAAGGGAAAGCAGGCTTAGCAGAGAGCCCTATGTGGGGCTTA								73522
Lion	- - - - -								69300
Vaquita	- - - - -								66847
Pig	- - - - -								66523

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Majority	----- GG							
	95050	95060	95070	95080	95090	95100	95110	95120
Human	----- TG 75394							
PolarBear	----- GA 35204							
Cow	----- GG 73433							
Dog	----- GG 66556							
BelugaWhale	----- GG 65500							
Donkey	----- GG 72376							
Cat	----- TA 71623							
Ferret	ATCCTAGGAACTGGGATCATGACCTGAGCCAAAGGCAGAGGCTTTAACCCACTGAGCCACCCAGATGCCCCAAAACCTTGA 73602							
Lion	----- TA 69302							
Vaquita	----- GG 66849							
Pig	----- GA 66525							

Majority	AATTCTGATCTCATTCTTAGA- - - XACTTGCTGAACATAACAAGATTGAGAGTAGGATATAGGACTTAAG- - TCTAGTGG							
	95130	95140	95150	95160	95170	95180	95190	95200
Human	AATTCTGATCTAAAAATTATAAGGCACTT- - - - G- TTTAACA- AGTTGAAAGTAGGAAAGTAGACATAAAGACTCTACTAG 75468							
PolarBear	AATTCTGATCTTATTCTTAGA- - - - CTTTCTGAACATAACAAGATTGAGAGTAGGATGTGGGGCTTAAG- - TCTGGTGG 35277							
Cow	AATTCTCATCTCAGTCTTCCAAGATATTTGCTGAACATAA- - GAATGAGGGTCGGTA- TAGGA- - - - G- TCTAGTGG 73502							
Dog	AATTCTGATGCCATTCTCAGA- - - - CTTTATGAATATAACAAGATTGAGAGTAGGATGTGGGACATAAA- - TCTCGTAA 66629							
BelugaWhale	AATTCTGATCTCAGTCTTACAAGATACTTGCTGAACATAACAAGGTTGAGAATAGGGTACAGGACTTAAG- - TCTAGTGG 65578							
Donkey	AATTCTGATCTCAATCTTACAAGATACTTGCGGAACATAACAAGATTGAGAGTAGGATACAGGGCTT- - G- TCTAGTGG 72452							
Cat	AATTTGTAATTATTTAAAG- - - - - - - - GAAGTTAACAAAA- - - AGGTTAGTTTTTTGGGGC- - AG- CTGGGTGG 71684							
Ferret	AATTCTGATCTCATTCTTAGA- - - - CTTTCTGAACATAACAAGATTGAGAGTAGGATGTGGCAGTTGAG- - TCTGGTGG 73675							
Lion	AATTTGTAATGATTTAAAG- - - - - - - - GAAGTTAACAAAA- - - AGGTTAGTTTTTTGGGGC- - AG- CTGGGTGG 69363							
Vaquita	AATTCTGATCTCAGTCTTACAAGATACTTGCTGAACATAACAAGGTTGAGAATAGGGTACAGGACTTAAG- - TCTAGTGG 66927							
Pig	AATTCTGATCTCGGTCTTT- - - - - TATTTGCTGAACATGA- - - GATTGGGAGTAGGAAATAGGACTTAAG- - TCTAGTGG 66595							

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Majority	ATTTXTAGGGAATTCTTGAAAATAGACTAGGAAAT- CAGCTAATGTTA- - - - - AATAACAAA- - XTTTGTGGAATCAAT								
	95210	95220	95230	95240	95250	95260	95270	95280	
Human	ATTTG-	GGGAACTCTCAAAAATGGACTGGAAATT-	CAGCTAAAAGTG-	- - - - -	GATAACAAAATATTTCTAGAATTA-	-			75538
PolarBear	CTTTGTAGGAAACCTT-	GAAAGTAGACTCAGATAT-	CAGGTAATGTTA-	- - - - -	CATACCAAAAATGTTTATGGAATCAAT				35349
Cow	ATTTTTAGGGAATTCTTGAAAACAGACTAGGAAAT-	CAGCTAATGTTG-	- - - - -	AATAACAAA-	- - - -	ATGTGGACTCATA			73571
Dog	ATTTGTAGGGAACCCTTGGAAGTAGACTCCAAAAT-	CGGCTAACGTTAGATTTAAATAGCAAAAATGTTTATGGAATCAGT							66708
BelugaWhale	ATTTTTAGGGAATTCTTGAAAATAGAATAGGAAATGCGGCTAACATCA-	- - - - -	AATAACAAA-	- - - -	ATGTGGAATCAGT				65648
Donkey	ATTTTTAGGGAATTCTTGAAAAGAGACTAGGAAAT-	TAGCTGATGTTG-	- - - - -	AACAACAAA-	- - - -	ATGTGGAATCA-			72519
Cat	TTCAGTCAGTAAGC-	- - - - - A-	- - - -	TCCAACCTT-	CAGCTCAGGTCAT-	- - - -	GATCTCACA-	-	71744
Ferret	ATTTATAGGGGACCT-	-	GAAAATAGACTTGGATAT-	CAGCTAGTGTTA-	- - - - -	AATACCAAAAATGTTTGTGGAATAAAT			73746
Lion	CTCAGTCAGTAAGC-	- - - - - A-	- - - -	TCCGACTT-	CAGCTCAGGTCAT-	- - - -	GATCTTACA-	-	69423
Vaquita	ATTTTTAGGGAATTCTTGAAAATAGAATAGGAAATGCGGCTAACATCA-	- - - - -	AATA-	- -	AA-	- - - -	ATGTGGAATCAGT		66994
Pig	GTTTTTAGGGAATTCTTGAAACTACACTAGGAAAT-	CCACTAATGTGG-	- - - - -	AATAACAAA-	- - - -	TTGTGGAATCA-			66662

Majority	TT- XGGTTGT- - - GGTGTGTGTGTGTGT- - - XG- GX- - - - - - - - - - G- - X- TGTTTTCACTTTAXTATTTTACAAACCC								
	95290	95300	95310	95320	95330	95340	95350	95360	
Human	- - - -	GCATTT- - -	GTGGGGTGTGTGTGT-	- - - - -	- - - - -	- - - - -	- - - - -	TTTTCACTCTAGTATTTGTCAAGCCC	75584
PolarBear	TTTTGGGTGTGCGTATGTGTGTGTTCACTCTAGTGCTTGCCTCGGCAGCACATACTAAAGTTGGAATGTTTTCACTCT								35429
Cow	T- - -	GCTTTT- - -	TGAGTGTGTGTGTGT-	- - - -	G-	- - - - -	- - - - -	TTTTCACTTTAATATTTTACAAACCC	73620
Dog	TTTGGGGTGT-	- - -	GTATGTGTTTTCACTCTAGTGCTCACTTCGGCAGCACATGACTAAAATTGGAATATTTTTACTTT						66784
BelugaWhale	TTGGGGTTGT-	- -	AGGGTGTGTGTGTGTGTGTGTGTG-	-	T-	- - - - -	GTGTGTGTTTTCACTCTAATATTTTACAAACCT	65718	
Donkey	- - - - -	GTTTT- - -	GGGGTGCCTGTGTGT-	- - - - -	- - - - -	- - - - -	GTTTTCTCTCTAATACTTTACAAACCC	72566	
Cat	CCCCACATCA-	-	GGCTCTGTGCTTACAGCTCAGAGCCTG-	- - - - -	GAGCCTGCTTCAGATTCTGTGTCTCCCTCTCTC				71814
Ferret	TTTTGGGGTGT-	TGTATGTGTTTTTCACTCTAGTGCTCACTTGGGCAGCACATACTAAAATTGAAATGTTTTCACTCT							73825
Lion	CCCCACATCA-	-	GGCTCTGTGCTGACAGCTCAGAGCCTG-	- - - - -	GAGCCTGCTTCAGATTCTGTGTCTCCCTCTCTC				69493
Vaquita	TTGGGGTTGT-	- -	AGGGTGTGTGTGTGT-	- - - -	G-	- - - - -	TTTTCACT- -	AATATTTTACAAACCT	67044
Pig	- - - - -	GTTTT- - -	GCATTGTGTATATGT-	- - - -	G-	- - - - -	TTTTCACTCTATCACTTTACAAACCC	66709	

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Majority	AG- - - - - ATGAAAGCATAGCCAAAATAXAAGATTGGATTTATCCAAGTCTGGCATTGTAGAACATTAA- XGAT	
	95370 95380 95390 95400 95410 95420 95430 95440	
Human	AG- - - - - ATGAAAGCATAGACAGAATGTAAGACTGGATTTATCTAAGTCTGGAATTGTGTAACATTAAAGGAA	75652
PolarBear	AATACTTA- CCGAGATGAAAGCTTAGCCAAAATACAAGATTGGACTTATCTATGTCTGGCATTGAAGAACATC- - - - -	35501
Cow	AG- - - - - ATGAAGACATGTCCACAATATAAGATTTAATTTATCCAAGCCTGGCACAGTAGAGCATTAAACAGAT	73688
Dog	AATACTTA- CCTAGATGAAAGCTTAGCAAAAATACAAGATTGGATTTATCCAAGCCTGGCGCTGAAGAACATC- - - - -	66856
BelugaWhale	AG- - - - - ATGAAAGCATATCCAAAATATAAGATTTGATTTATCCAAGTCTGGCATTGTAGAGCATTAAATGGAT	65786
Donkey	AG- - - - - ATGAAAGTGTAGCCAAAATATAAAATTTAATTTATCCAAGTGTGGCATTGTAGAGCATTAAAAGAT	72634
Cat	TCTGCC- - - - - CCTACCGCACTCACACG- CTGTCTCTCTC- - - - - ATAAATACATACAT- - - - -	71862
Ferret	AGTACTTAACCCCGATGAAAGTTTAGCTAGAATACAAGATTGGATTTATCCATGTCTGGCACTGAAGAACAACCTTAAAAA	73905
Lion	TCTGCT- - - - - CCTACCCCACTCACACA- CTGTCTCTCTCT- - - - - CAAAATAAATAAATACAT- - - - -	69547
Vaquita	AG- - - - - ATGAAAGCATATCCAAAATATAAGTTTGGATTTATCCAAGTCTGGCATTGTAGAGCATTAAATGGAT	67112
Pig	AG- - - - - ATGAAAGCATAGCCAAAAA- - ATTCTCGATTTATCCAAGTCTAGCATTGTAGAGCATTAAACAAGT	66775

Majority	TAGAX- XXAX- - - - - CXXGCCAAAAT- - - - GCTTAAGCTACATTGTAAX- - - - TCAAGCCAAGGGA	
	95450 95460 95470 95480 95490 95500 95510 95520	
Human	TAGTAGCAAATGAGCAGAGTGTTGGCTCAAGCCTAAGCTTGAGCCTAAGCTTGACTCTATGGTAAAGTCAAGTCAAGGGA	75732
PolarBear	- AAA- - - - - AAAAC- - - - ACTTAGCCTACATTGTAAA- - - - GTCAAGCCAAGAAA	35542
Cow	GAGTAGCGAG- - - - - CAAGCCAAAAT- - - - GCTCCAGCTACATAGTAAG- - - - TCTAATCAAGGGA	73741
Dog	- AAA- - - - - AAAAC- - - - ACTTAGGCTACATTGTAATAAA- GTCAAGCCAAGAAA	66901
BelugaWhale	TAGGAACAAG- - - - - CAAGCCAAAAT- - - - GCTCTAG- - ACATAGTATAG- - - - TCTAGCCAAGGGA	65838
Donkey	TAGTAGGAAG- - - - - CGAGCCAAAAC- - - - GCTTAGTCTACATTGTA AAC- - - - TCAAGCCAAGGGA	72688
Cat	- ACA- - - - - TACAT- - - - ATATACA- TACATAATA- - - - - TAAA	71890
Ferret	AAAA- - - - - AAAAT- - - - ACTTGGGCTATACTGTAAA- - - - ATCAAGCCAAGGAA	73947
Lion	- AAA- - - - - TACAT- - - - AAATATA- TACATAATAAATAA- - ATACTAAATATAAA	69590
Vaquita	TAGGAACAAG- - - - - CAAGCCAAAAT- - - - GCTCTAG- - ACATAGTATAG- - - - TCTAGCCAAGGGA	67164
Pig	TAGTACAAG- - - - - CAGGCCAAAAT- - - - GCTC- AGCTGCATTGTAAGG- - - - TCTAGCCAAGGGA	66828

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Majority	GAATAGAAAGGGAA- - X- - - TXATCATAAAGGCCAAAAGTGG- - - GTTCAGTGGTTG- TATGGXAGTAGGAGGATC- A-								
	95530	95540	95550	95560	95570	95580	95590	95600	
Human	GAATAGAAAGGGGG-	-----	TCACCATAAAGGTCAA	AAGTGG-	---	GTTTAGTGGTTG-	TGTGGGAATAGGCAGATC-	---	75798
PolarBear	AAACAG-	---	GGAACTAG-	TCAACAGAGAGGCCAAAAGTGG-	---	GTTCAGTGATTG-	TGTGG-	AGTAGGAGAATTGAG	35610
Cow	GAATAGAAAGGGAAAGTGGATTTGT	CATATAGTCTAAAAATGG-	---	CTTAAGTGGTTGGTATAGAAGTAGAA-	---	TCAA-		73813	
Dog	AAACAG-	-----	AA-	TTAGCATAAAGCCAAAAGTGG-	---	GTTCAGTAATTG-	CATGG-	AATAGGAGAATTAAG	66963
BelugaWhale	GAACAGAAAGGGAAAG-	G-	TTATCATATAGGCTAAAAATGGGTTG	GTTTCAGTGGCTGGTATGGGAGTAGGAGGATCTA-				65913	
Donkey	GAATAGAAAGGGAGG-	-----	GCCATAAAGGCCAAAAGTGG-	---	GTTCAGTGGTTG-	--	TGGGAGTAGGAAGATCAA-	72753	
Cat	AAACAA-	-----	AAAAAT--	AAATTAG-	---	GTTTTTTAATTC-	TTCTG-	AGCAAGA-	71935
Ferret	AAATAGAAAGGGAACTAG-	TCAACATAGAGGCCAAAAGTGG-	---	GTTCAGTAATTG-	TATGT-	AGTAGGAGAATT-	---	74016	
Lion	AAATAA-	-----	AAAAAT--	AAATTAG-	---	GTTTTTTAATTC-	TTCTG-	GGCAAGA-	69635
Vaquita	GAGCAGAAAGGGAAA-	G-	TTATCATATAGGCTAAAAATGGGTTG	GTTTCAGTGGCTGGTATGTGAGTAGGAGGATCTA-				67239	
Pig	GAATAGAAAGGTAATTG-	CTCGTCATATAGGCTAAAGGTGG-	---	GTTCAGTGGTTG-	TATGGGAGTAGGAGGATCGA-			66900	

Majority	AAAGATGGAAGAATGAAGTCAGGAAA- GGGGATTTXAATGTTAGAAATGAATGG- - - - ACAA- - - AGAAAAAXAAAAA								
	95610	95620	95630	95640	95650	95660	95670	95680	
Human	- AAGA-	- AAAGAATGAAGTTAGGAAA-	GGAGATATAAGTGTTG-	AATGACCATTACAAAAAGAGACAGAGGAAAGAAAA					75872
PolarBear	AAAGATGAAAGAATGAAGTCAGGAAAAGGGGATTTTAAATACTGGAAATGAATGGCA-	TAACAGATAAAGAGAAAGAAAAA							35689
Cow	GAAAATGGAAGAATGGAGTCAGGAAA-	GAGGATTTAAATGTTAGCAATGAATGG-	-----	TGAA-	--	AGAAG-	---	AAAG	73879
Dog	AAAGATGGGAAAAT-	--	GTTGGGAAA-	G-	-----	CAGAAATGAATGGCA-	AAACACAAAAAGAGAAAGAAAAAC		67025
BelugaWhale	TAAGATGGAAGAACGAAGTCAGGAAA-	GGAGATGT-	AATGTTAGAAATGAATGG-	-----	CAAA-	--	GAAAGAAAAAAA		65982
Donkey	GAAGATGGAAGGATGATGTCAGGAAA-	GGGGATTTGAAATGTTGGAAATGAATGG-	-----	CAAAAAAAGAAAAGAAAAA					72826
Cat	AAGGATGTCTGTGTGACCTTAAGATA-	-----	AATAAGTAGTA-	TCACTTC-	--	ATCCCACTGGACT			71992
Ferret	- AAGATGGAAGAATAAAGTCAGGAAAAGGGGATTTTAAATACTAGAAATGAATGG-	--	TGACAAA-	AAAGAGAAAGAAAAA					74091
Lion	AAGGATGTCTGTGTGACCTTAAGATA-	-----	AATAAGTAATA-	TCACTTC-	--	ATCTCACTGGACT			69692
Vaquita	TAAGATGGAAGAACGAAGTCAGGAAA-	GGGGATGT-	AATGTTAGAAATGAATGG-	-----	CAAA-	--	GAAAGAAAAAAA		67308
Pig	GAAGATGGAAGAAAAAAGTCAGGAAAAGGGGATGTTAATATGAGAAATGAATAG-	-----	GAAA-	--	GAAAAGGA-	AAAA			66970

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Majority	TCAAAGATGTAGCAAAAGAAGTTGCTAAAATGGA- TTGATGT- AGTAAAATTGTCAAAGTAGAAGTTTTXAAGAAATTX
	95690 95700 95710 95720 95730 95740 95750 95760
Human	ATGAAGATGTATCAAAAGAAGTTGCTAATATGGA- - - - TGG- - - - - - - - - CAAAGTAGATGTTTTTAAGAAATCA 75934
PolarBear	GCAAAGATGTAGCAAGAGAAGTTGCTAAAATGGA- TTGATGT- AGTAAAAGTTGTCAAAGTAGAAGTTTTAAAGAAATTG 35767
Cow	TCAAAGATGTAGCAGAAGAAGTTGATAAAAATAGA- TTGATAT- AGTAAAA- - - - TCAAGGTAGAAGTT- - - AAGGAATCA 73950
Dog	TCAAAGATGTAGCAAGAGAAGTTGCTAAAATGGA- TTGATGT- - - - AAAAATTGTCAAAGTAGAAGTTTTAAAGAAATTT 67100
BelugaWhale	TCAAAGATGTAGCAAAAGAAGTTGGTAAAACAGA- CTGATAC- AGTAAAATCATCAAAGTAGAAGTTTTTAAGAAATAG 66060
Donkey	TCAAAGAGGTAACAAGAAAAGTTGCTAAAAGGA- TTGATGT- AGTAAAATTGTCACA- - AGTAGTTTTTAAGAAACTT 72902
Cat	TTGAACCTGTATCAT- ATACATGGCTG- - - TGTG- TTCATCC- - - - - - - - - GTTTCAGTGGTGAAGGGTTAGTAATGTGT 72059
Ferret	TCAAAGATGTGGCAAGAGAAGTTGCTAAA- TGG- TTAATGT- AGTAAAATTGTCAGAGTAGAAGTTTTAAAGAAATTA 74168
Lion	TTGAACCTGTATCAT- ATACATGGCTG- - - TGTG- TTCATCC- - - - - - - - - ATTTTCAGTGGTGAAGGGTTAGTAATGTGT 69759
Vaquita	TCAAAGATGTAGCAAAAGAAGTTGGTAAAACAGA- CTGATAC- AGTAAAATCATCAAAGTAGAAGTTTTTAAGAAATAG 67386
Pig	TCAAAGGTGTAG- - AAAAAGT- - - TAAAATAGGCTTGATATTAGTAAAATCATCAAAGTAGACATTTTTTAAGAAATTG 67045

Majority	TGAGACCAGAGTGTGAGATCTATXAXXGATGATGA- - - GAGCTGAGA- AGAAGGAGGAAATAAAGCCAGGTGCTGAA- -
	95770 95780 95790 95800 95810 95820 95830 95840
Human	TGAGACCAGAGTCTTGGAAAAGTCATAGGATGATGCAGGGAATGGAGA- - - - AGAGGGAATAAAGCCAGGTGCTGAA- - 76008
PolarBear	TGAACCAAGGGT- TGT- - - TTGACATAAGATAACGA- - - G- - CTGGTAGAGAAGGAGGAAATAAAGCCAGGTGCTAAA- - 35836
Cow	TGAGACCAGCATGTCGGACAGATTGCAGGATGACAA- - - GAGCTGAGC- - - AAGGAAAAGGAAA- - TAAGGTGTGAAA- - 74020
Dog	TGAGCCAAGAGTGTGTTGACATATCATAGGTTGATGACAGGGTCTGGGAGAGAAGGAAGAAATAAAGCCAGGTGCTGTATG 67180
BelugaWhale	TGAGACCAGTGTGTCAGATC- ACAGGATGAGGACAA- - - GAGCTGAGATAGAAGGAAGAAATAAAGCCAGGTGCCAAA- - 66134
Donkey	TGAGGCTAGAGTGTGGACAGATCACAGGGTGTGAC- - GGGCTGAGA- - - GAGATGGAAATAAAGGCACATGCCTAA- - 72975
Cat	CAGAACTAACATGAGAAATCTATAA- - AATTGCTGA- - - G- - TCAACTCAAAATATCTGGGTGAT- CCACCTGATGAA- - 72129
Ferret	TGGACTAAGGGTGTGTGACCTATCACAAAGATGATGATGGG- - CTGGGAGAGAAGGAGGAAATAAAGCCAGGTGCTGAA- - 74244
Lion	CAGAACTAACATGAGAAATCTATAA- - AATTGCTGA- - - G- - TCAACTCAAAATATCTGGGTGAC- CCACCTGATGAA- - 69829
Vaquita	TGAGACCAGTGTGTCAGATC- ACAGGATGAGGACAA- - - GAGCTGAGATAGAAGGAAGAAATAAAGCCAGGTGCCAAA- - 67460
Pig	TGAGACCAGAGTGTGAGGTC- ACAGGATGATGACAG- - - GAGCTGAGA- - - GAGGAGGAGATAAATCCAGGTGCTGAA- - 67116

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Majority	--	GTCTTTAT	GTAAT	GAGAGAAAAT	GTCCCAGT	GACCT	GATGGCT	GTTTT	GATGA-	- - - - -	GAAAT	GATT	GGAT	GG	
		95850	95860	95870	95880	95890	95900	95910	95920						
Human	--	GTCTTTAT	GTAAT	GGGAGGAGAT	GTTCCAGT	AATCCAAT	GGCTAT	TTTT	GATGGG	AAAGAGT	GTGGT	AT	GATT	GGGT	GG 76086
PolarBear	--	GTCTTTCT	GTGAT	GAGAGAAAAT	GTTCTAGT	GACCT	GATGGT	GGTTTT	GATGA-	- - - - -	GAAAT	GATT	GGAT	GC	35904
Cow	--	GTCTTTAT	GTTGT	GAGAGACAAT	GTCCCAGT	GAC-	- - -	TGACT	GTTTT	GATGA-	- - - - -	GAGAT	GTTT	ACAT	GA 74084
Dog	T	AGTCTTTCT	GTAAT	GAGAGAAA-	TGTCCCAGT	AATCCGAT	GGTT	CTTTT	GATGAT	GA-	- - - - -	GAAAT	GATT	GGAT	GA 67252
BelugaWhale	--	GTCTTAAT	GTAAT	GAGAGAAAAT	GTGCGAGT	GACCT	AATGGCT	GTTTT	GATGA-	- - - - -	GAAAT	GATT	GCAT	GG	66202
Donkey	--	GTCTTTAT	GTAAT	GAGAGAGAAT	GTCCCTGGT	GACCT	GATGGCT	ATTTT	GATGA-	- - - - -	GAATT	GATT	ACAT	GA	73043
Cat	-	GATCACTTTAT-	ATGAAAAGG	ATTTCCT	GTTACACCTTT	GTGT	GGCAGTTT	TATGA-	- - - - -	- -	AGCT	CTTT	GACAT		72195
Ferret	--	GTCTTTCT	GTGAT	GAGAGAAAAT	GTTCTAGT	GGCCT	GATGGT	TGTTTT	GATGA-	- - - - -	GAAAT	GATT	GGAT	GC	74312
Lion	-	GATCACTTCAT-	ATGAAAAGG	ATTCTT	GTTACACCTTT	GTGT	GGCAGTTT	TATGA-	- - - - -	- -	AGCT	CTTT	GACAT		69895
Vaquita	--	GTCTTAAT	GTAAT	GAGAGAAAAT	GTCCCAGT	GACCT	AATGGCT	GTTTT	GATAA-	- - - - -	GAAAT	GAT	GGCAT	GG	67528
Pig	--	GTCTTTAT	GTAAT	GA-	AGAAAAT	GTCCCAGT	GACCCGAT	GGCT	GTTTT	GATGA-	- - - - -	GAAAT	GATT	GTAT	GG 67183

Majority	T	A-	-	XAC-	TCX-	AAGCXAT	CCTAATT	GATGAT	GGT	AGAACAGCAGT-	CTGAAAGT	AACATT	GGGT	GGT	GGGXT	AGXGT	GA
		95930	95940	95950	95960	95970	95980	95990	96000								
Human	C	ATTGACAT	CGGAAGCCAT	CCTCATT	GATGGT	GGT	GGAACAGCAGT-	TTGAAAGT	AACATT	GTGCGGT	GAGGT	AGAGT	GG				76165
PolarBear	A	G-	- - - - -	AAT-	GTCTTAATT	GATGGT	GGT	AGAAGT	GCAAGT-	ATGAAAGT	AACATT	GGGT	GGT	AGGGT	AGAAT	GA	35971
Cow	T	ATTAACCTCA-	AAGGCATT	CTAATT	GGT	GATAGA	AGAATAGCAGT-	TGGAAAGT	AACATT	GGAT	GGT	GGGAT	AGTAGGA				74162
Dog	A	G-	- - - - -	AATCTGT	CTTAATT	GATGGT	GGT	GGGACT	GCAAGT-	CTGAAAGT	AACATT	GGGT	GGT	AGGGT	AGAAT	GA	67321
BelugaWhale	T	A-	CGACCTCA-	AAGACATT	CTAATT	GGT	GATGGC	GGAACAGCAGT-	CTGAACGT	AACATT	GGGT	GGT	GAGAT	AGTGGGA			66279
Donkey	C	ATTGACAT	CAGAAGCT	CTTCTAATT	GATGGT	GGT	GGAACAGCAAT-	CTGAAAGT	AACAT	GGGGT	AGGG-	- -	TAGGGT	GA			73119
Cat	T	A-	- - - - -	TTT-	TATCCTTAT-	AACAAT	CCTAGAAGT	AGAAC-	- - - -	AGGCAT	TTTTT	TATGT	CTCA-	- - - - -	TCA		72250
Ferret	A	G-	- - - - -	AATCTGT	CTTAATT	GATGGT	GGT	AGAAGT	GCAAGT	TATGAAAG	CAACATT	GGGT	GTT	AGGGT	AGAAT	GA	74382
Lion	T	A-	- - - - -	TTT-	TATCCTTAT-	AACAAT	CCTAGAAGT	AGAAT-	- - - -	AGGCAT	TTTTT	TATGT	CTCA-	- - - - -	TCG		69950
Vaquita	T	A-	CGACCTCA-	AAGACATT	CTAATT	GGT	GATGGC	GGAACAGCAGT-	CTGAAAGT	AACATT	GGGT	GGT	GAGAT	AGTGGGA			67605
Pig	T	ATCGACCTCA-	AAGGCCTT	CTGATT	GGT	GACGGT	AGAACAGCAGT-	CGGAAGGT	AACATT	GGGT	GGT	GGGAT	AGTGGGA				67261

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Majority	96330	96340	96350	96360	96370	96380	96390	96400	
Human	ATGTGCCTTCCAGACCCCTTGGTGGTATACATGGGAGATTGGTTCTAGGACACACACAGTCCCATCCCCACCCTCTGAC								76549
PolarBear	TTGTAAAAAACTGCCCTTCCCCACCCAAGGCCCTGTACTTTATGAATTAGAAAGGGCCTCGAAGTCCCACCCCTGTCT								36355
Cow	-----								74415
Dog	-----								67586
BelugaWhale	-----								66543
Donkey	TTAGAAACTGCCCTCCCCACCCAGGACCCTATAATTTATGAATTAGAAGGGGCCTCTAAGACTCACCACCAGACCTCTGT								73503
Cat	-----								72475
Ferret	-----								74644
Lion	-----								70172
Vaquita	-----								67864
Pig	-----								67532

Majority	96410	96420	96430	96440	96450	96460	96470	96480	
Human	CCCATACACCCCTGGATACTCAAATCCAATGATGCTCAAGTTCCTTGCATAAAATGGTATAGTGTTTGCATGTGACCTA								76629
PolarBear	CTGTTCAAGTAATACATGAGACAACTACCAGATGTCTTGAACAGGGTAAAGAAGTAAGACCAAAGAAAT- - -GTAATCAA								36432
Cow	-----								74415
Dog	-----								67586
BelugaWhale	-----								66543
Donkey	TCAGTAGCGTGTGAGACTAATAACTGTCAGATGTCTTGAACAGAGAAAAGAAGTAAGACCAAAGGAAATCATGTGATTGA								73583
Cat	-----								72475
Ferret	-----								74644
Lion	-----								70172
Vaquita	-----								67864
Pig	-----								67532

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Majority	96490	96500	96510	96520	96530	96540	96550	96560	
Human	TACACAACCTCTTATGTGTACTTTAAATCATCTCTAGATTACTTATATTACCCAGTACAATATAAATGTTATGTAAATGG								76709
PolarBear	CTTTGGATAGAAGTTTTAGAAATGGGAAATGAAGGGATAAAAATAAATTCTGTATCTTTAAAAATCATGGATAAAAATTGTCA								36512
Cow	-----								74415
Dog	-----								67586
BelugaWhale	-----								66543
Donkey	CTTTGGATTGAAGTTTTAGAAATGGGAAATGAAGGGATAAAAACAAATTCTGCATCCTTAAAAATGATGGATAAAAAGTGTCA								73663
Cat	-----								72475
Ferret	-----								74644
Lion	-----								70172
Vaquita	-----								67864
Pig	-----								67532

Majority	96570	96580	96590	96600	96610	96620	96630	96640	
Human	TTGTTATAGTGTATTGTTTAGGGAATAATGACAAGAACAACCTTTCTATACATTTGCAGTACACCATTGTTTTAC- - CCCC								76787
PolarBear	TAAACAAGAGGAGCCTAAGGAGACATGACTACATGTAATATGAGATCCTGGAACAGAAAA- GGGTATTAGATGCACACCA								36591
Cow	-----					CAAAG-		TA-	74423
Dog	-----					CAAAA-	G-	TG-	67594
BelugaWhale	-----					CAAAG-		TA-	66551
Donkey	TAGTCAAGAGGACCCTAAGGAGACATGACTAAATGTAATATGGGGTCTGGAACAAAAAAGGACATCAGATGCAAACCTA								73743
Cat	-----							TG-	72477
Ferret	-----	AAGGAGACATGACTAAATGTAATATGGGATCCTGGAACAAAAA-						GGTATTAGATGCACACCA	74707
Lion	-----							TG-	70174
Vaquita	-----					CAAAG-		TA-	67872
Pig	-----					CAGCAG-		TA-	67540

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Majority	--- AAATTTT-----TXTTTTCTAGTCAAGAAXTAAAATATTA--- AXACTGXCTTCTTXACTCAAGXXCCTATACT									
	96650	96660	96670	96680	96690	96700	96710	96720		
Human	A-	AATATTTT	TGATCCAAGG	TGGTTGAAT	CGGAACCC	CAGAGATAC	---	AGAGGGCT	GACTATACTTTAAGAATTAGAAT	76863
PolarBear	AAAAAGT	CTA-----	GACTATAGTTAATAA-	TAATATATCA-	---	GTATTGGCT	GATTAATTGCAGCAACTATACT	---	---	36657
Cow	---	AAATTTT-----	TATTTTCAAATCAGGAAATA-	---	TATTGTAAAAACT	GCCCTCCCCACCCAGGACCCTATACT	---	---	---	74489
Dog	---	AACTTA-----	GTTTCAAGTCAGGAAATAAAAATGTAA-	---	AAACCGTTCTCCCCACCCAAGCCCCTGTACT	---	---	---	---	67658
BelugaWhale	---	AAATTTT-----	TATTTTCAAGTCAGGAAATAAAAATATTGTAAAAACTGCCCCCTCACCCAGGACCCTATACT	---	---	---	---	---	---	66620
Donkey	AAGAAATCTGA-	---	AGTATGGACTTTAGTTAATAA-	TAATGTGTCA-	---	GTATTGGCT	GATGAATTGCAACAAGCTTACC	---	---	73816
Cat	--	TAAGTAAA-----	T---AGTGCATCA-	TGAAATATT-----	TTGTAGGTTTTTTATTTATTTTATTTTATT	---	---	---	---	72534
Ferret	AATAAATCTGATGAAGTATGGGCTTTAGTTAATAA-	---	TAATATATCA-	---	GTTTTGGCT	GATTAATTGGAGCAACTATACT	---	---	---	74783
Lion	--	TAAATAAA-----	T---AGTGCATCA-	TGAAATATT-----	TTGTAGGTTTTTTATTT-----	TTTTTATT	---	---	---	70225
Vaquita	---	AAATTCT-----	TATTTTCAAATCAGGAAATAAAAATATTGTAAAAACTGCCCCCTCACCCAGGACCCTATACT	---	---	---	---	---	---	67941
Pig	---	AAGTTTT-----	TGTTTTCTAATCAAGAAATAAAAATGTTACAAAAACTGCCTTCCCCACCCAGGACCTTATATT	---	---	---	---	---	---	67609

Majority	AT-----TATGAAT-----TAGA----- AXGAACCTCATAG- TCCCXCCACT								
	96730	96740	96750	96760	96770	96780	96790	96800	
Human	TAGCTGGGTGTGGTGGTGGTGCCTGTAGTCCCAGCTACTCGGGAGGCTGACGCAGGAGAAAGGCGTGAACCCGGGAGGT	---	---	---	---	---	---	---	76943
PolarBear	ATACTAATGTAAGATGTTAATA-	---	ATAGAGGGAAAAGGAAGTACCCAGGTTATATAGGAACTGTATAG-	---	AATCTTCAAT	---	---	---	36733
Cow	AC-----	ATGAAT-----	TAGG-----	---	ATAAACCTCAAAGTCCCACCACC	---	---	---	74525
Dog	TT-----	TATGAAT-----	TAGA-----	A---A-----	GAGCCTCAAAG-	TCCCACCACC	---	---	67694
BelugaWhale	AC-----	ATGAAT-----	TATA-----	---	ACAGGCCTCAAAG-	TCCCACCACC	---	---	66655
Donkey	ATACTAA-----	GGTGTTAATA-	---	ATGGGGGGGAAATGGAATGCCTGGGTATGTAGGAACTCTGTAGAACCTTCTATT	---	---	---	---	73888
Cat	TT-----	TATTTT-----	TTTA-----	---	A-CGTTTTAT-	TTTTTTTATT	---	---	72566
Ferret	ATGCTAATGTAAGATGTTAATA-	---	ATAGAGGGAATAGGAAGTACCCAGGTTATATAGGAACTCTGTAG-	---	AATCTTCAGT	---	---	---	74859
Lion	TT-----	TATTTT-----	TTTA-----	---	A-CGTTTTAT-	TTTTTTTATT	---	---	70257
Vaquita	AC-----	ATGAAT-----	TATA-----	---	ACAGGCCTCAAAG-	TCCCACCACC	---	---	67976
Pig	GC-----	ATGAAT-----	TAGA-----	---	ACAGGCCTCAAAA-	TCCCACCACC	---	---	67644

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Majority	TATTCTTCTXTTCAGXXATAX-----T-----	
	96810 96820 96830 96840 96850 96860 96870 96880	
Human	GGAGCTTGCAGTGAGCCGAGATCGTGCCACTGCACTCCAGCCTGGGCGACAGAGCGAGACTCTGTCTCTAAAAAAAAAAAA	77023
PolarBear	TTTTCTGTAAATCTAAAATATAAACCTTATTTTTTTTAAAAGATTTTATTTATTTATTTGACAGAGACAGCCAGCGAGAG	36813
Cow	AAATCCTCTGTTGAGTCATATG-----T-----	74548
Dog	TATCCT-----CTAA-----T-----	67705
BelugaWhale	AA-TCCTCTGTTGAGTCGTATG-----T-----	66677
Donkey	TT-TCTGTAAATCTAAAAT-----	73907
Cat	TATTT-----	72572
Ferret	TTTTCTGTAAATCTAAAATATAAAC-----TTTATTT-----	74891
Lion	TATTT-----	70263
Vaquita	AA-TCCTCTGTTGAGTCGTATG-----T-----	67998
Pig	AG-TCCTCTGTTGAGTAATA-----	67663

Majority	--X-----AGAATAACAACCA-----TX----AGATGTCTTGAGTAAGX-----	
	96890 96900 96910 96920 96930 96940 96950 96960	
Human	AAAAAATTAGAAGGGGCTGTCAGGCGTGGTGTCTCATGCCTATAATCCAGTCATGCCTGTAATCCCAGCACTTTGGG	77102
PolarBear	AGGGAACACAAGCAGGTGGAGTGGGAGAGGAAGAAGCAGGCTCCTAGCGGAGGAGCCTGATGTAGGGCTCGATCCCAGAA	36893
Cow	--G-----AGAATAACAATCA-----AT----AGATGTCTTGAACAGGGA--A-----	74583
Dog	-----CAGAAGTA-----T----GTGAG-----	67719
BelugaWhale	--G-----AGAATAACAACCA-----CC----AGATGTCTTGAACAGGGA--A-----	66712
Donkey	--GTTCTAAAAAAGTAGTTTATTAAAAAAGCATAGATAAA--ATTTGTAAATGATTTAAAGTAAG-----	73968
Cat	-----TGAG-----	72576
Ferret	-----AAAGTCATAGATAAACTTGTA----AATGGTTTAAAGTAAG-----	74928
Lion	-----TGAG-----	70267
Vaquita	--G-----AGAATAACAACCA-----CC----AGATGTCTTGAACAGGGA--A-----	68033
Pig	-----AGAATAACAACCA-----CC----AGATGGCTTGAACAGGGA--A-----	67697

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Majority	AATTGACCTT - - GGATAGAGGTTTAAAGAAXX- GGAAATXAAAXCAT- - - A- - - - - XTCAXAAACAAG- - - - -								
	97130	97140	97150	97160	97170	97180	97190	97200	
Human	CTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCTGAGATCATGCCATTGCACTCCAGCCTGTGTGACAGAGTGAAACTCCA								77337
PolarBear	ATGTGACCTTAAGGGAAGAGGGATAGGTA- G- TTATATCACTTCATGCCACTGGACTTTGTATCATATACATGGCTGTGT								37131
Cow	AATTGACATT - - GGATGGAAGTTTTAGAATA- GGAAATGAAAGGAT- - - - - A- AAACAAG- - - - -								74664
Dog	- - - TGAGC- - A- GGGTAAAGAAGTAAGAC- - - CAAAAGAAATTC AATCAACT- - - - - TTGGATACAAG- - - - -								67790
BelugaWhale	AATTGACTTT - - GGATAGATGTTTCAGAATA- GGAAATGAAAGGAC- - - - - A- GAACAAA- - - - -								66810
Donkey	GA- AGAGGTGGTAGATACATAATTTATATCA- CTTTCATCCTGCTGGTC- - TTTGAATCTTTATCAGATAAAGG- CTGTGT								74121
Cat	- - - TGAAC- - - - GGGGGAGGGTCAGAGA- - - GAGGGAGACACAG- - - A- - - - - ATCTGAAACAGG- - - - -								72637
Ferret	- TGTGACCTTAAGGAATGAGGGATAAGTAAG- TTAATCACTTCATCCCCTGGACTTCATATCATATACATGGCTGTGT								75051
Lion	- - - TGAAT- - - - GGGGGAGGGTCAGAGA- - - GAGGGAGACACAG- - - A- - - - - ATCTGAAACAGG- - - - -								70328
Vaquita	AATTGACTTT - - GGATCGATGTTTCAGAATA- GGAAATGAAAAGAT- - - - - A- GAACAAA- - - - -								68131
Pig	AATTGACTTC- - AGATAGAAATTTTAGAGTG- GGAAATGAAAGGAT- - - - - A- AAACAAA- - - - -								67775

Majority	- - - - - TTCTG- - - - X- - XAGGXXTGAAATAATA- - - TXTCAGAA- - - - CCAAX- - - - - XT								
	97210	97220	97230	97240	97250	97260	97270	97280	
Human	TCTCAAAAATACAAAAAGAATTAGAAAGGGCTTTAGAGTCCCACCACTAATGCTCTTCTGTT CAGTAGTACACAAGACTA								77417
PolarBear	GTTTCATCCATTTTAGTGGAGGAAGGGTTAGTAATAATA- - - TGT CAGAA- - - CTAACATGAGAAATTCATTAAATTGCT								37204
Cow	- - - - - TTATG- - - - -								74669
Dog	- - - - - TTT- - - - - T- - A- GAATGTGAAATGAAG- - - TTACAAAA- - - CCAA- - - - - T- TCT								67826
BelugaWhale	- - - - - TTCTG- - - - -								66815
Donkey	ATCCATCAGTTTTGGTGGAGGAAGGGTTAGTAATAATAATTTATCAAAA- - - CTAACA- - - GAAATTTATAAAATTACT								74194
Cat	- - - - - CTCC- - - - - AGGCTCTGAGCTGTCA- - - GCACAGAG- - - CCCAA- - - - - T								72671
Ferret	GTTTCATCCATTTCCGTGAAGGAAGGGTTAGTAATAATAATGTGT CAGAA- - - CTAAAATGAGAAATTTATAAACTTGCT								75127
Lion	- - - - - CTCC- - - - - AGGCTCTGAGCTGTCA- - - GCACAGAG- - - CCCGA- - - - - C								70362
Vaquita	- - - - - TTCTG- - - - -								68136
Pig	- - - - - TTCTAA- - - AATAAATAAATAAATTAATT- - - AATTAAAA- - - TAAAAAACAAAAAACCCCAAATTCT								67836

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Majority	GCATCTCTXAAAATCA- TGGAT- - - - - AAAAAGATCATAGXCAAGAGGAG- - - - - CCT- - AAXGAGACX- - - - -								
	97290	97300	97310	97320	97330	97340	97350	97360	
Human	ATAACTACGAGATGTTATGAACAGGGAAAAGAAGTAAGACCAAAGAATCATAAATTA- CTTTGGATGGAACCTTTTAGA								77496
PolarBear	GAATCACTCAAATATCTGGGTGGCCACCTGATGAAGATCATTTACATGGAAT- - - - - CCC- - TGTGATACCTTT- - -								37274
Cow	- CATCTTTAAAAGCA- TAGAC- - - - - AAAACTGCCATAGTCAAGAGGAG- - - - - CCTT- AAGGAGAC- - - - -								74724
Dog	GCATCTTTAAAATCA- TGGAT- - - - - AAAAAGTTCATAGTCAGGAGGAG- - - - - CCT- - AAAGAGAC- - - - -								67881
BelugaWhale	- CATCTCTAAAAGCA- TGGAT- - - - - AAAACTGTCATAGTCAAGAGGAG- - - - - CCT- - AAGGAGGT- - - - -								66869
Donkey	GAATCACTCAAATGTCTGGGTGGCCAGCTGATGAAGATCATTTACGTGGAAAGGATCCCTGTGTTACTACCTTCCTT								74274
Cat	GTGGGGTCTCGAACTCA- CAGACCC- - - - - GCGAGATCATGACC- - - - - TGAG- - - - - CC- - - GAAGTCAGC- - - - -								72723
Ferret	GAATTACTIONCAAATGGCTGGATGGCCACCTAATGAAGATCATTTACATGGAAAATTAACCC- - TGTGATACCTTT- - -								75202
Lion	GCGGGGTCAAACCTCA- CGGACC- - - - - GCGAGATCATGAC- - - - - TGAG- - - - - CC- - - GAAGTCGGC- - - - -								70412
Vaquita	- CATCTCTAAAAGCA- TGGAT- - - - - AAAACTGTCGTAGTCAAGAGGAG- - - - - TCT- - AAGGAGGT- - - - -								68190
Pig	CCATCTTTAAAAGCA- TGGGT- - - - - AAAACTATCATGGTCAAGAGTAG- - - - - CCT- - AAAGAGGC- - - - -								67891

Majority	- - - - - ATGACTAAAT- - - - - XTA- - ATAATXG- - - - - X- - CATCCTGGAACAAA- - AAXAGGX- A								
	97370	97380	97390	97400	97410	97420	97430	97440	
Human	ATGGCAGATGGAGGGATAAATTTGACATTGTTCAAATCATAGAGTAAACTCTCAAAGTAAGGGGAACCTAAGGAGACA								77576
PolarBear	- - - - - ATATGGTAAACT- - - - - GCCATACAACATTATTTTATCGTTACAATAATCCTGGAGGTAG- - AACAGGC- A								37337
Cow	- - - - - ATGACTAAAT- - - - - TTA- - ATAATAG- - - - - CATCCTGAAATAAA- - AAAC- ATGA								74766
Dog	- - - - - ATGACTAAAT- - - - - GT- - - ACTATGG- - - - - GATCCTGGAACAAA- - AAAAGG- - -								67920
BelugaWhale	- - - - - ATGACTAAAT- - - - - CTA- - ATAACGG- - - - - CATCCTGAAACAAA- - AA- - - - - A								66906
Donkey	TTCTTTAGCATATGGTGGTTTATGAAGCTCTTTAATGATGTTTTATCCTTATA- CTGTCCTGGAAGCAG- - AACAGGC- -								74349
Cat	- - - - - CGCTCAACC- - - - - G- - ACTG- - - - - AGCCACCCAGGCGCCCC- - AATGTAG- G								72762
Ferret	- - - - - GTATAGCAGTTTATGAAGCTCTTCAACATTATTTATTGTTCTAACAATCCTGGAAGTAG- - AATAGGC- G								75270
Lion	- - - - - CACTCAACT- - - - - G- - ACTG- - - - - AGCCACCCAGGTGCCCC- - AATGTAG- G								70451
Vaquita	- - - - - ATGACTAAAT- - - - - CTA- - ATAACGG- - - - - CATCCTGAAACA- - - - - A								68223
Pig	- - - - - ATGACTAGCT- - - - - CTA- - ATAACAG- - - - - GATCCTGGAACAAA- - AAAAGAAA								67934

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Majority	ATGXCATTATATGAAXATXAA- - - - - XAATAAT- - - - - XA- - XX- - - - - TTTAGCTAAAXATGTAATXXT								
	97450	97460	97470	97480	97490	97500	97510	97520	
Human	AGATGATTAATGTAATAGGAGATACTGGAACAACAAAAAGGGACATTAGATGCAATTTGAGGAAATCTGATAATGGAC								77656
PolarBear	TTTTTAATCTCTTATCATCAACATGCATTAGTAATGTTTTTCCAGCATGCCTACAGCCCTAGCTAAACATGTAATCTT								37417
Cow	ATG- CATTCTGTGCTCAGTCATGT- - - CTGACTCT- - - - TTGCA- - ACCCCATGGACTGTAGCCCACCAGGCTCCTCTC								74835
Dog	- - - - - ACAGATAAACACCAA- - - - - AGAAAT- - - - - CTGACAAAG- - TGTGGACTTT								67960
BelugaWhale	AGGACATTAGATGCAAATTAA- - - - - AGAAATCTGAATAC								66941
Donkey	ATTTTTATCCCCATTGTCAATA- - - CTCATAGTGTTTTCTCCAGCATACCTGCTGCCTTAGCTAAAGATTTAAATCGT								74425
Cat	TT- - - - - GTTTTTAATGTAGA- - - - - AGACAT- - - - - TTAGGTTAAA- CTGAAATTTTT								72805
Ferret	TTTTTAATCTCTCATCATCAAAATGCATTAATTAT- TTTTTTCCAGCATACCTGATGTCTTAGCTAAA- ATGTAATCAT								75348
Lion	TT- - - - - GTTTTTAATGTGGA- - - - - AGACAT- - - - - TTAGGTTAAA- CCGAAATTTTT								70494
Vaquita	AGGACATTAGATGCAAATTAA- - - - - AGAAATCTGAATAC								68258
Pig	ATGACATTATTTACATAATGGGCT- - - TTAATTAA- - - - CATCA- - ATATTGGCTGATTAAGTGCAACAACACTATATCAT								68004

Majority	TXTAXTXAAA- - - - - GTT- ATTAATAATAA- X- - - XXG- - AXTGTATGT- TATTAGXTTCT- - - - -								
	97530	97540	97550	97560	97570	97580	97590	97600	
Human	TTTTGTTGATTTATCGATATTGGTTGATTAATTGCAAGAACTAATAAATTGTAATACCATACTAATGTATGATGCTAATA								77736
PolarBear	CAAATTACA- - - - - GCT- AAAAATAATTT- ACTGGAGCCAATGTATGT- AACATGTTTTTATACATTTTTTA								37482
Cow	TCCATGGAAT- - - - - TTT- CCAGGCAAGAATACTGGAG- - AGGGTTTGC- CATTTCCTTCTC- - - - -								74888
Dog	- - - - A- - - - - GTT- AATAATTATAT- - - - - GTCAGTAT- - - - -								67983
BelugaWhale	TTTATGGACC- - - - - TTA- ATTAATAATAA- - - - - CATAT- TAATAGTGGCT- - - - -								66981
Donkey	TAAAATTAAAATAATTTCTACAGCT- AGAAATAATCC- ATCGGAGCAAATGTATATATAACATGTTTCATATAATTTTTA								74503
Cat	T- - - - -								72806
Ferret	TAAAATTAGA- - - - - GCT- AAAAATAATTTTATTGGAGCCAGTGTATGT- AATATGCTTTAA- ACAGTTTTTA								75413
Lion	T- - - - -								70495
Vaquita	TTTATGGACC- - - - - TTA- ATTAATAATAA- - - - - CATAT- TAATACTGGCT- - - - -								68298
Pig	ACTATTGTAA- - - - - GAT- GTTAATAAGGGGGGAGGG- - TGCCCAGGT- TATTAGGAACTT- - - - -								68057

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Majority	----- TXG- - XATTTAXTGA----- A- C- - - - AGTTA----- AAATACAATXCA-----								
	97610	97620	97630	97640	97650	97660	97670	97680	
Human	ATGGGGGAACTGCGGTTTCCAGGTTATATAAGAACTCTGTAATGTCTTAAATTTGTTTGTAAATCTAAACCTTTTAAAAT								77816
PolarBear	CAAAGGGAAGATAGTAAGTTTATTGACCTA- - - - TAGCTAGGAGTAAATATGA- - - - AAAATACAATACAG- - - AATT								37549
Cow	----- CAGGG- - GATCTTCCC----- AACCCAGAGATC----- GAACCCGTGTCTC- - - CTGC								74931
Dog	----- TGGCTGATTAATTG----- TAAC----- AGT----- AACACCATAC-----								68014
BelugaWhale	----- GATT----- AGTTG----- GAACATATATCA-----								67002
Donkey	CAAAGGGAAGATGATAAACTTACTGTCTTCCATTGTAGCTTGGAGTTAACAGTAATATGAAAATAGAATACAGAATTTTC								74583
Cat	----- TTTCTGA-----								72814
Ferret	CAAAGGGAAGATGGTAAGTTTATTGACTTAA- - - - TAGCTAGGAGTTAATATGA- - - - AAAATACAATACAG- - - AACT								75481
Lion	----- TTTCTGAC-----								70504
Vaquita	----- GATT----- AGTTG----- GAACATATATCA-----								68319
Pig	----- TCTAG- - AATCTTTTTTA- TA- - - - AATGTAAGCTGTTCT----- AAAATAAAAGTTTA- - - TTTA								68109

Majority	XXX- - - X- - - - TA- - AXTXTXTTATTAATGTTTC- - - - G- AA----- A- GAAXA- - - - X								
	97690	97700	97710	97720	97730	97740	97750	97760	
Human	AGCTAAAAATTATAGATACAATTTCTAAATGATTTAATTAACAAAACCAGTTTAATTCTTCAGTTGAAATGAGCAAGGTT								77896
PolarBear	TTTGGTATGGTATAACATTATGGTATAAATAGTGCATCATGAAGTATTTTGTAGGTTGTGTTTATTGTA- GAAGACATTT								37628
Cow	TTTGGCAG- - - GCAG- ATTCT- TTACCACTGCGCTACCTGGGAAG- - - - - CCAA- GAAAA- - - - G								74981
Dog	----- TAATACAATGTTAATAATAGAG- - - - GGAAA----- A- GGAAA-----								68047
BelugaWhale	----- TACTATTGTATG-----								67014
Donkey	TTTTTCAGGATTTATCATTGTGATATAAATAATGCACCATGAAATATTTTGTAGCTTTGTATATTTTAA- TTGTAG- - - C								74659
Cat	----- TAGTAATTTTTC- - - - - AC----- A- GAAGA- - - - G								72835
Ferret	TTT- - CAGAATTTACCATTATGGTATAAATAGTGCATTATGAAATATTTTGTAGGTTGTTTTTGTGTA- GGAAACATTT								75558
Lion	----- TGATAGTAATTTTTC- - - - - AG----- A- GAAGA- - - - G								70528
Vaquita	----- TACTATTGTATG-----								68331
Pig	TTTATTTA- - - TTTG- TCTTT- TTGG- GCTGTACC- CACAGCATA- - - - - TGGA- GGTTC- - - - C								68157

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Majority	G T A A C T T T T T T A X - - - - - G X - - G A G T G A G G A A A T A G T G G X A G X X A A G T A X A T G C T A A C X G C A T X A A A G A C A X X G A C								
	97930	97940	97950	97960	97970	97980	97990	98000	
Human	A T G A G A A T T T T A G G A G A T T A C T G A G T C A C T C A A A A T G T C T G G G T G A C C C A G C T G A T G A G G G C C A T T T C A C A T G A A A A A G A								78136
PolarBear	A T A A C T T T T C T A A G T T A T C A - - G C C T G G G G G A G G A A A T A G T G G A A G A A A A G T A T A T G C T A A T G G C A T C A A A G A C A G T G A C								37853
Cow	G C A A G A T G T T A A - - - - - T A A T G G G G G G A C A G G G G T G C C C A G G - T T A T G G G A A C T T T G G A G A A T G T T T A A T T								75147
Dog	T A A A C T T T A T T A A - - - - - A A A T C A T - - - A G A T A G G G A C A C - C T A T C A G C A G T T G A G - - - - T G C C								68156
BelugaWhale	G T A A G A T A T T A A - - - - - T A A T G G G G G A A A A G G G G T G C C C A G G A T T A T A A G A A C T - - G G A G A A T T C T T A A T T								67133
Donkey	G T A G C T T T T C T A - - - - - A G T T A T C A G C C C T G A G G G A C G A A A T A C A T A T T A G T G A C A T T A A G G A C A G T G A C								74875
Cat	T A A G C T T T T C T A T - - - - - C A - - G C C T G G G G G A G G A T A T A G T G G A A G A G A A C T A C T T G C T A G T G G C A T T A A A G A C A - - G A C								73012
Ferret	A T A G C T T T T C T A A G T T T T C A - - G C C T G G G G G A G G A A A T A G T G G A A G A A A A G T A C A T G C T A A T T G C A T C A A G G A C A A T G A C								75791
Lion	T A A G C T T T T C T A T - - - - - C A - - G C A T G G G G G A G G A T A C A G T G G A A G A G A A C T A C T T G C T A G T G G T A T T A A A G A C A - - G A C								70705
Vaquita	G T A A G A T A T T A A - - - - - T A A T G G G G G A A A A G G G G T G C C C A G G - T T A T A A G A A C T - - G G A G A A T T T T T A A T T								68449
Pig	G C T A G A T C C T T A A - - - - - G C - - C A C T G A G T G G G G C C T G G G A T T G A A C - C T G T G T C C T C A T - G G A T A C T A G C A G A T T								68323

Majority	T G C C T T C A T C T C T T A A X X X C T X T X A C - - - - - G C C A T A X T C T G G G C T T C C T A A A A T T A - - - - - A X A A X A X - - - -								
	98010	98020	98030	98040	98050	98060	98070	98080	
Human	T T C C T G C A A C A C C T T C T T T T C T T T A G C A C A T G A T C G T T T A T G A A G C T C T T T T A C A T T G T T T T A T C T T T A T A G C A A T C C T C								78216
PolarBear	T G C C C T A A T C T C T C A A A G T A C T C T T A C - - - - - A C C A T A C T C T G G G C T T C C T A A A A T G A - - - - - A G A A A G A T - - - -								37914
Cow	T T T C T A C A A A T C T A A A A - - - - - C T - - - - - G T T C T A A A A T A A G C T T A T T A A A A A T T - - - - - A C A G A T A A - - - -								75200
Dog	T G C C T T C A G C - C C - - - - - A G - - - - - A G C A T G A T C C T G G A G T C C T G G G A T C G - - - - - A T C A A - - - - -								68201
BelugaWhale	T T T C T G T A A A T C T A A A A - - - - - C T - - - - - G T T C T A A A G T A A G T T C A T T A A A A A T T - - - - - A T A G A T A A - - - -								67186
Donkey	T G C C T T C A T C T C T T A A A G C A C T C T T G C - - - - - A C T G T A C T C C G G G C T G C C T A A A A T G A - - - - - A G A A G G A T C - - -								74937
Cat	T G C C C T C A T C T C T T A A A G T A C T C T T A G - - - - - G C C A T A C C C T G G G C T A C C T A A A A T G A - - - - - A G A A A G A T - - - -								73073
Ferret	T G C C C T A A T C T C T T A A A G T A C T C T T A C - - - - - A C C A T A C T C T G G G C G T C C T A A A A T A A - - - - - A A A A A A A A A A A A								75856
Lion	T G C C C T C G T C T C T T A A A G T A C T C T T A G - - - - - G C C A T A C C C T G G G C T A C C T A A A A T G A - - - - - A G A A A G A T - - - -								70766
Vaquita	T T T C T G T A A A T C T A A A A - - - - - C T - - - - - G T T C T A A A G T A A G C T T A T T A A A A A T T - - - - - A T A G A T A A - - - -								68502
Pig	C G T T T - C C G - - C T C A - - - - - G C C A T G A T G G G A A C T C C T A A A A A A T - - - - - C A G A T A A - - - -								68367

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Majority	- AATTGG- - CAXAXGA- TTTAXGATAACTTGT CAXA- - AGCACAGTGGTCC- TT- - - - - T- - - - - CTGXTXA- - AA								
	98090	98100	98110	98120	98130	98140	98150	98160	
Human	AGAATAGATCAAGCTTTTTTTTTTTTTTTTTTTTGGAGATGGAGTCTTGCTCTGTGCGCCAGGCTGGAGTGCAATGGTGCGA								78296
PolarBear	GACTTGG- - TAGGA- - - TATATCATAACCTGACACACTAACACAGTGGCC- AGATTATAAATGGATAAGTGATAATAAA								37988
Cow	- AATTGG- - CAAGTGG- TTTAAGAGAAGTTATCAAA- - AACAGTTTAATTC- TTTG- - - - - TT- - - - - CTGTTGT- - GA								75260
Dog	- - - - - ATCCCACTTCGGGCTCTCTGCACGG- AGCC- - - - -								68230
BelugaWhale	- AATTTG- - CAAATGA- TTTAAGATAAGTTATCAAG- - AACAGTTTAATTC- TT- - - - - CAGTTGT- - AA								67242
Donkey	- ATTTGA- - CGGAAGACT- - - AGATCACCTGACTTAGTAGTATAGTGGTCTGCTGTTATCACCCTCTGGTGTGATGATAGA								75011
Cat	GATTTGG- - CAGAATA- - ACGTTATCACCTGCCAT- - - AGCACAGTGGCC- AGAT- - - - - TG- - - - - GTGATAA- - - A								73131
Ferret	GACTTGG- - TAGAAGAATATATCATAACCTGACATACTAGCACAGTGGCC- - - - - A- - - - T- - - - - GATAATAAA								75915
Lion	GATTTGG- - CAG- - - - - TATCACCTGCCAT- - - AGCACAGTGGCC- AGAT- - - - - TG- - - - - GTGATAATAAA								70819
Vaquita	- AATTTG- - CAAATGA- TTTAAGATAAGTTATCAAG- - AACAGTTTAATTC- TT- - - - - CAGTTGT- - AA								68558
Pig	- AATTTG- - TAAATGA- TTGAAGATAAATTATCAAA- - AACAGTTTAATTT- TT- - - - - CAGTTAA- - AA								68423

Majority	T- - - GG- - - - - AXAAGTTGGGA- - - - GAXGT- XGTGTX- - - - - GCXTCTGXA- - - - TAGTAGTAACXGXXXXXGG-								
	98170	98180	98190	98200	98210	98220	98230	98240	
Human	TCTCGGCTCACTGCAAACCTCGGCCTCCCGGGTTCGTGCCATTCTTCTGCCTCAGCCTCCCGAGTAGCTGCTACTACAGGT								78376
PolarBear	T- - - GG- - - - - AAAAGTATGGA- - - - GATAT- GAAGTA- - - - - ACATTTGGA- - - - TAGTAGTAACAATAGTGGG-								38041
Cow	T- - - GG- - - - - ACAAGG- - - - - AATGTCTGTGT- - - - - GCCTCAGCA- - - - GAATGTGACCTG- - A- - GG-								75304
Dog	- - - - - T- - G- - - - - CTTCT- - - - -								68237
BelugaWhale	T- - - GG- - - - - ACAAGTTAGG- - - - GATGTCTGTGT- - - - - GCCTCAGCA- - - - AAATATGACCTG- - A- - GG-								67291
Donkey	T- - - GG- - - - - AAAAGTTGGGA- - - - GACTATGAAATA- - - - - GCATTTGGA- - - - CAGTAGTAAGAACAGTGGG-								75065
Cat	T- - - AG- - - - - AAAAGTGGGGA- - - - GACGT- - - - GTA- - - - - TCATTTGGA- - - - TAGTAGTAACAGCAGTGAA-								73181
Ferret	T- - - GA- - - - - AAAAGTGGGGA- - - - GACATTGAAGTA- - - - - GCATTTGGA- - - - TTGTAGTAACAACAGTGGG-								75969
Lion	T- - - AG- - - - - AAAAGTGGGGA- - - - GACGT- - - - ATA- - - - - TCATTTGGA- - - - TAGTAGTAACAGCAGTGAA-								70869
Vaquita	T- - - GG- - - - - ACAAGTTAGG- - - - GATGTCTGTGT- - - - - GCCTCAGCA- - - - AAATATGACCTG- - A- - GG-								68607
Pig	T- - - GG- - - - - ACAAAG- - - - - GG- GTGTCTGT- - - - - GCCTCAGCA- - - - GAATAGGATTTG- - A- - GG-								68466

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Majority	GATCTCAXXAAXTTACAXTTXAXTTTTTTCTAA- - - TCXCXTT- AT- - - - CTCTGTAG- CT- XXXXX- GTX- - - TTGXAT	
	98250 98260 98270 98280 98290 98300 98310 98320	
Human	GCCTGCCACCACGCCAGCTAATTTTTTTGTATGTTTAGTAGAGATGGGGTTTCATCGTGTTAGCCAGGATGGTCTCGAT	78456
PolarBear	GATCTCA- CAGCTTACATTCCACTTTTTGCTAAGCCTCCCATT- AC- - - - CTCCTCACCTTAGAAGGAGGTAAATTGCAT	38115
Cow	GGATAGAGGG- - - - ATAGATGTATAACTTAAAA- - - TCACTTT- AT- - - - CCCCATGGACT- - - - - - - - - - - - TTGAGT	75359
Dog	- CTCTCT- GCCTGTGTATCTGCCTTCTCTCT- - - - CCTTCCTCT- CT- - - - CTCTCTC- - - - - - - - - - - - TC- - - - T	68287
BelugaWhale	GG- TAGAGGGATAGATAGATGCATAAATTTGTAA- - - TCACTTC- AT- - - - CCCTGTGGACT- - - - - - - - - - - - TTGAAT	67349
Donkey	GACCTCC- - - - - - CCGCTTACATTTGTGCTAAACTTCCCATT- AC- - - - TTCCATAA- - TAGAAGGAGGTAAATTGCAT	75131
Cat	GATCTCAACAGCTTACATTCCACTTTTTGT- - - - - - TCCCGTT- AC- - - - CTCTGTA- - CTAGAAGGCGGTAG- TTGCAT	73248
Ferret	GCTCTCA- CAATTAACATTTCACTTTTTGCTAAGCTTCACATT- AT- - - - CTCTTTA- - TAGGAAGGAGGTAAATTGTAT	76041
Lion	GATCTCAACAGCTTACATTCCACTTTTTGT- - - - - - TCCCGTT- AC- - - - CTCCGTA- - CTAGAAGGAGGTAG- TTGCAT	70936
Vaquita	GA- TAGAGGGATAGATAGATGCATAAATTTGTAG- - - TCACTTC- AT- - - - CCCTGTGGACT- - - - - - - - - - - - TTGAAT	68665
Pig	GG- TAGAGG- - - - - - TAGATAAATAGTTTATA- - - - TCAC- - - - - - - - - - - - CCTGTGGCG- - - - - - - - - - - - TTGAGT	68511
Majority	CTCCT- - - - - - - - - - - - TCXAXCXCAATT- TT- - - CTCACTTGAAAATX- GX- - - - AGTCTTXXXATTACCAA- - GCAG	
	98330 98340 98350 98360 98370 98380 98390 98400	
Human	CTCCTGACCTTGTGATAGATCAAGTATTTTTATCCCTCTCATCAACATGTGTAACAGTTTTTTTCTCACATATCTGCTG	78536
PolarBear	CTCCT- - - - - - - - - - - - TTGAGCCCAATT- TT- - - CTCACTAGAAAATTTGC- - - - AGTCTTATTGTTACTAAAGGGCAA	38174
Cow	CTCTA- - - - - - - - - - - - TCAGATAGA- - - - - - - - TATGTGGCAGT- - - GT- - - - TGCCAT- - - CATTTTCAGT- - - GGGG	75406
Dog	CTCTC- - - - - - - - - - - - TCTCTCTCTCT- CT- - - CTCATGTGAATA- - - - - - - - AATTTT- - - - - - - - TAAAA- - - - - -	68328
BelugaWhale	CTCTA- - - - - - - - - - - - TCAGATAGATA- GGTACATACATGGCAGT- - - GT- - - - GGCCAT- - - CAGTCTCAG- - - GGAG	67403
Donkey	CTACT- - - - - - - - - - - - TTGAACCCAAAGTTTTCTCATTAGAAGATTAGC- - - - AGTCTTATTTCTTCTAAAACGCAA	75193
Cat	CTCCT- - - - - - - - - - - - TTGAGCCCAATT- TT- - - CTCACTAGAAAATTAGC- - - - AGTCTTATTTTACCAAAGTGCAA	73307
Ferret	CTCCT- - - - - - - - - - - - TTGAGCCCAATT- TTT- CTCACTAGAAAATTTGC- - - - AGTCTTACTGTTACTAAAGTGCA	76101
Lion	CTCCT- - - - - - - - - - - - TTGAGCCCAATT- TT- - - CTCACTAGAAAATTAGC- - - - AGTCTTATTTTACCAAAGTGCAA	70995
Vaquita	CTCTA- - - - - - - - - - - - TCAGATAGATA- GGTACATACATGGCAGT- - - GT- - - - GGCCAT- - - CAGTCTCAG- - - GGAG	68719
Pig	CTCCA- - - - - - - - - - - - TCAGATAT- - - - - - - - TACATGGCTGT- - - GT- - - - GTCCAT- - - CATGTTTCA	68557

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Majority	AATAAAGTTTCTTTGAACAAATTTTCTATC- - - - - ACCTTTGAATATTXXGGTGAAGTTTT- CA- - - T- XAGATG- X-								
	98730	98740	98750	98760	98770	98780	98790	98800	
Human	ATTGGAGAATCTTCAGAGGCTTTAAAAGTCCAGGAAAATCTTAGACTACTCCAGTGATTTAGAACGGTGTAAGATAGCC								78935
PolarBear	TTTAAAGTTTCTTTGAACAAATTTTCTATC- - - - - ACCTTTGAATATTTTGGTGAAGTTTT- CA- - - T- GAGATTGTT								38509
Cow	GACAGTGTTTTT- - - - - ACAGCATATT- - - - - TGCTACCTTAA- - - - - AGATG- - -								75682
Dog	TTTAAAGTTTCTTTGAACAAATTTTCTATC- - - - - ACCTTTGGATAC- - - - - GGTGAAGTTTTTCA- - - T- GAGGTGGTT								68618
BelugaWhale	AATAGTGTTTTT- - - - - ACAGCATACC- - - - - TGCTGCCTTGA- - - - - AGATG- - -								67666
Donkey	TCTAAAGTTTCTTTGAACAAATGTTCCATC- - - - - ACCTTTGAATATTTTGGTAAAGTTTTTCAT- - - T- - AGATTATT								75519
Cat	AATGAAGTTTCTTTGAACAAATTTTCTATC- - - - - ACCTTTGAGTATATTGGTGAAGTTTT- CA- - - T- TAGATCATT								73616
Ferret	TTTAAAGTTTCTTTGAAAATATTTTCTGTC- - - - - ACCTTTGAATATTTTGGTGAAGTTTT- CA- - - T- GAGATT- - -								76415
Lion	AATGAAGTTTCTTTGAACAAATTTTCTATC- - - - - ACCTTTGAGTATATTGGTGAAGTTTT- CA- - - T- TAGATCAT-								71307
Vaquita	- - - AGTGTTTTT- - - - - ACAGCATACC- - - - - TGCTGCCTTGA- - - - - AGATG- - -								68960
Pig	AAGAGTGTTTTTTTGTGTTTTTTTTTTTT- - - - - TTTACAACATACC- - - - - CACTTTCTTAAG- - - TAGAAATG- - -								68825

Majority	- - A- TTGTATATTGACATTGTA- - - - - GAGATGTATTTXAGAAGAAGCAXTTCTGTAXAAATGAAGTATTAACCTTAGA								
	98810	98820	98830	98840	98850	98860	98870	98880	
Human	TAAGTAGTTTTTCTAAGTTATCAGCCGCGGGGAGGAAATAATGAAAGAGAAATACATACGAGTGGCATTAAAGGACAGGTG								79015
PolarBear	GAA- TTGTATATTGACATTGTA- - - - - GGGATGTATTTTCAAGAAGCTTTTCTGCAAAATGAAGTATTAAGCTTAGA								38582
Cow	- - - - TTAATCATTCAAATT- - - - - GTTTTC- ACAGCTAAAAGTAATTCATTAGAGGCAATGTGTATACCATGTT								75746
Dog	GAA- TTATATATTGACATTGTA- - - - - GAGATGTATTTTCAAGAAGCCTTTTCTGCAAAATTAAGTATTAACCTTAGA								68691
BelugaWhale	- - - - TAAATCATTAAAATTA- - - - - ATAATTTCTACAGCTAAAAGTAATCCATTAGAGCCAGTGTGCATAACGTGTT								67736
Donkey	TAA- TTGTATATTGGCATGGTA- - - - - GAGATATATTTTAGAAGAA- - ACTTCTGCAGAGATGAAGTGTAAACCTTAGA								75590
Cat	GAA- TTGTATATTGACATTGTA- - - - - GAGGTGTATTTTCAAGAAGCTTTTTTGA- - - - - GAAATATTAAGCTTAGA								73689
Ferret	- - A- TTGTATATTGACATTGTA- - - - - GAGATGTATTTTCAAGAAG- - - CTTT- CTGCAAAATGAAGTATTAAGCTTAGA								76482
Lion	- - - - - TGATATATTGACATTGTA- - - - - GAGGTGTATTTTCAAGAAGCTTTTTTGA- - - - - GAAATATTAAGCTTAGA								71376
Vaquita	- - - - TAAATCGTTAAAATTA- - - - - ATAATTTCTACAGCTAAAAGTAATCCATTAGAGCCAGTGTGCATAACGTGTT								69030
Pig	- - - - TAAATCGTTAAAATT- - - - - AATTTCTACAGCTAAAAGTAATCCATTAGAGCCAATGTATAGAACATGTT								68890

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Majority	CTGTCTTGTTTXXXTTTATATATCGAATTTAGGTAATTTGXTATTTTAT- - - - A- - - - - TTTCATG- - AATTAATAATT								
	98890	98900	98910	98920	98930	98940	98950	98960	
Human	GTGGCTTCTTTTACCTATTAAAGCATTCTTACACCATACTGTGAACTGTGTAAGGAAGGATCATTGGACATAATAGAT								79095
PolarBear	CTGTCGTGTTTAGATTGATATATCAAATTTAGGTAGATTGGTGTTTTAT- - - - A- - - - - TTTCATG- - AAGTAATAATT								38650
Cow	CTATATGTTTT- - - TTTACAAAGAGAAGATAGTGAATGTATTGTTTT- - - - - C- - - - - TCTCAT- - - GGCTAAAAGTT								75808
Dog	CTGTGCG- - T- - - - TTAATCTATCAAATTTAGGTAATTTGGTATTTTAT- - - - A- - - - - TTTCATG- - AATTAATAATT								68752
BelugaWhale	TTATATGTTTT- - - TTTACAAAGGGAAGATAGTAAATGTATTTTC- - - - - TCTCAC- - - AGCTAGGAGTT								67795
Donkey	CTGTTGTGTTTAGATTGACATATCGAATTTAGGGAGATTGATATTTTAT- - - - ATTATTGTTTCGTG- - AATTAGTAACT								75664
Cat	CTGTCATGTTTAGATTTATATATTGAATTTAGGTAGATTGATATTTTAT- - - - A- - - - - TTTCATG- - AATTAATAATA								73757
Ferret	CTGTCTTGTTTAGATTGATATGTCAAATTTAGGTAGATTGGTATTTTAT- - - - A- - - - - TTTCATG- - AATTAATAATT								76550
Lion	CTGTCATGTTTAGATTTATATATTGAATTTAGGTAGATTGATATTTTAT- - - - A- - - - - TTTCATG- - AATTAATAATA								71444
Vaquita	TTATATGTTTT- - - TTTACAAAGGGAAGATAGTAAATGTATTTTC- - - - - TCTCAC- - - AGCTAGGAGTT								69089
Pig	TTATATGTTTT- - - TTTTTTTTTTTTTTTTTTTTACAAGAAATG- - - - - TGTTAC- - - AGCTAGGAGTT								68949

Majority	TT- CTTGAAATGTCAACAGGGAAAGACGA- GTAATA- - - - - GATGACTTTXAACTTAXATTCTGXAAGTGT CAGTAG								
	98970	98980	98990	99000	99010	99020	99030	99040	
Human	TATCTGACAGGGTGGTCCGGAATGGTGGAAAGTAAATCGACAGGTGAGGACACTGAATTAGCATTGAGACAGTGGGGACCT								79175
PolarBear	TTCCTTGAAATGTCAACAGGGAAAGACGA- GTAATA- - - - - GATGACTTAGAACCTACGTTCT- - AAGTGT CAGTAG								38719
Cow	- - - - - AA- CATTACTATGAAAAATACA- ATACAGA- - - - - ATTTCTTTCCAGAGTTTATTATTACAGTATAAATAG								75872
Dog	TTTCTTGAAATGTCAACAGGGAAAGATAA- GTATAAC- - - - - AAGGACTTAGAACTTA- ATTCTGAAAGTGT CAGTAG								68823
BelugaWhale	- - - - - AA- CATTAAATATGAAAAATACA- GTGCAGA- - - - - ATTCCTTTTCAGAATTCATTAT- - - - - AATAG								67850
Donkey	TTTCTTGAAATGTCAAAAGGGAAAGAGGA- GTAGTAG- - - - - GTGACGTAGAACTGTAAGTTTTGGAAGTGT CAGTAG								75736
Cat	TTGCTTGAAATGTCAACAAGGAAAGACGA- GTAATA- - - - - GATGACTTCAAACCTTA- ATCCTGGAAGTGT CAGTAC								73827
Ferret	TTCCTTGAAATGTCCACAGGGAAAGACGA- GTAATA- - - - - GATGACTTGGAACCTTA- ATTCTGGAAGTGT CAGTAG								76620
Lion	TTGCTTGAAATGTCAACAAGGAAAGACGA- GTAATA- - - - - GATGACTTCAGACTTA- ATCCTGGAAGTGT CAGTAC								71514
Vaquita	- - - - - AA- CATTAAATATGAAAAATACA- GTGCAGA- - - - - ATTCCTTTTCAGAATTCATTAT- - - - - AATAG								69144
Pig	- - - - - AA- TGTTAACATGAAAAA- - - - - TACTGA- - - - - ATTCCTTTTCAGAATTTATCATTATGGTGTAAATAG								69008

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Majority TGTGTAATXTAT- TGT- ATXTCTXA- - - GGTTTTTXXTT- - - X- - - - - - - - - - - - - - - - TTTT- - - - - -

99050 99060 99070 99080 99090 99100 99110 99120

Human CACACCTTGTAT- TCCCTTTTTTTGGTAAGATTTTTATTACCTCCTTAGAAAGAGGTAAATTCATCTATTTTCGAGCCCAA 79254
PolarBear TGTGTAATCTATCTGC- ATGTCTCA- - - CGTTCCTTTTTTTCTTA- - - - - - - - - - - TCTTTTTTTTT- - - - - - 38770
Cow TGCATCATGAAA- - - T- ACTTTGTA- - - GGTTTTTG- TTT- - - - - - 75905
Dog TGTGTAATCTTGATA- - ATGTCTCA- - - CGTAAAAAA- 68856
BelugaWhale TACATCATGAAA- - - T- ACTTCGTA- - - GGTTTTTATA- - - - - - - - - - - - - - - - - - TTTT- - - - - - 67885
Donkey TGTGTAATACCTGTCATATATTAGAGCATTTCTTTACCTTTCAAATAAATGCTTCTTTTTAAATTTCTT- - - - - - 75806
Cat TGTGTAATCTAT- TGC- ATGTCTCA- - - TTCTTTGTGTGTGTGTGTGTGTGTGTG- - - - - - - - - - - TGTGTG- - - - - - 73883
Ferret TTTGTAATCTGTCTGT- GTGTCTCG- - - CATTCTTTTTCTTTTTCTTTCTTTCTTTCTTTTTTTTTTTTT- - - - - - 76686
Lion TGTGTAATCTAT- TGC- ATGTCTCA- - - TTCTT- GTGTGTGTGTGTGTATCCAT- - - - - - - - - - - CATGTT- - - - - - 71568
Vaquita TACATCATGAAA- - - T- ACTTTGTA- - - GGTTTTTATA- - - - - - - - - - - - - - - - - - TTTT- - - - - - 69179
Pig TGCATCATGAAA- - - T- ATTTTTTA- - - GGTTTATAT- TTT- - - - - - 69041

Majority - - - - - AATG- - - - - TAGCXGT- CTATAT- TAX- - - - - - AGATTATTCTTTXAAATA- AATA- A- XTTATCTTT

99130 99140 99150 99160 99170 99180 99190 99200

Human TTTTTCTGTCTAGAAGATTGGTAGTCTTATTTTTACTAAAGTACAAGATTATTTAGTAAAAGGTAGCATTCTCTGGCTTT 79334
PolarBear - - - - - AACA- - - - - TAGCCACTTTTAT- TA- - - - - - - - - - - AGCATTTTCTTTGAAATG- AATA- AATGTATTTTT 38823
Cow - - - - - TATG- - - - - TAGCAG- - - - ACGT- TG- - - - - - - - - - - AGATT- - - - - - - - - - - TACCTGG 75933
Dog - - - - - AATA- - - - - TACCCAT- TTATAT- TAC- - - - - - - - - - - AGCATTTTCTTTGAAATG- AATA- A- - - TTTTTTT 68906
BelugaWhale - - - - - TGTG- - - - - TAGCAGA- CAACAC- TG- - - - - - - - - - - AGATTAAACCTAAAAAAA- AAAA- A- - TTACCTTA 67935
Donkey - - - - - AGTACTTTTTTGGAGCATCGTATGTGTAC- - - - - - - - - - - GAAGCATCATACCAAGTA- TACGTGTAGTGGTTTCG 75868
Cat - - - - - TGTG- - - - - TGTCCATCATATGT- TAC- - - - - - - - - - - AGCATTTTCTTTTTTGG- AGTG- AATTCTTTTTT 73937
Ferret - - - - - AATA- - - - - TACCCTAACTCTAT- TAC- - - - - - - - - - - AGCATTTTCTTTGAAATG- AATA- AATGTATCTTT 76740
Lion - - - - - ACAG- - - - - CATTT- TCTTTTT- GGA- - - - - - - - - - - AGTGAATTCTTTTTTTTT- TTTT- TTTTTTTTTT 71621
Vaquita - - - - - TGTG- - - - - TAGCAGA- CAACAC- TG- - - - - - - - - - - AGATTAAACCAAAAAAAAA- AAAA- A- - TTACCTTA 69229
Pig - - - - - AATG- - - - - TAGCAGC- CAACAT- TG- - - - - - - - - - - AGATTATTAACCTAAGA- AAAA- A- - CTACCTGA 69091

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Majority	TT- XATTTXTT- - - - TATTTTTTGGAGA- - - - - ACCAXATATX- - - TGAAX- - - GAXATCGTGGCAAXTATXCXTAG-								
	99210	99220	99230	99240	99250	99260	99270	99280	
Human	TTTTTTTTTTTTTTTTAATGTTTCAGATCTGTCACACTAAAAGGGCTTTAGACCAGGTGTTGTGGCTCACACCTGTAAT								79414
PolarBear	TTTAATTCCTTAG- - TATTTCTCAAGA- - - - - ACCACATATGT- ACAAAA- - - AACATCATACCAAGTATACATGG-								38888
Cow	TT- GACAGAAT- - - - - TTTTA- GAGA- - - - - AGAATATAC- - - - TGAAG- - - GAAATTGTGGGATCTATCTTCAG-								75989
Dog	TTTAATTCCTTAG- - TATTTCTTGGAGA- - - - - AACATACAT- - - - - A- - - - - CATCATACCGAATATACATGG-								68962
BelugaWhale	TT- GACGAAAT- - - - - TTTTTAGAGA- - - - - AGAATATAC- - - - TGAAG- - - GAAATGGTGGAAACTATCCTTAG-								67992
Donkey	CAAAATATTGTCTACAGATCTTTGAGA- - - - - GCCCCTGAGACCNTGAGG- - - GAAATTGTGGAATATGTTCTTAG-								75936
Cat	TTCCGATTCTT- - - - TATTTATTGATA- - - - - ACCACAGATGT- ACAAAA- - - - GCATCATACCAAGAATACATGG-								73998
Ferret	TT- AATTCTCTTG- - TATTTCTTCAGA- - - - - ACCACATATGA- AAAAA- - - - ACATCATATGAAGTATACATGG-								76802
Lion	TCCCAATTCCT- - - - TATTTATTGATA- - - - - ACCACAGATGT- ACAAAA- - - - GCATCATACCAAGAATACATGG-								71682
Vaquita	TT- GACAAAAT- - - - - TTTTTAGAGA- - - - - AGAGTATAC- - - - TGAAG- - - GAAATGGTGGAAACTATCCTTAG-								69286
Pig	CT- GACAAAAGT- - - - - GATTT- TTTT- - - - - AGAGTATAC- - - - TGAGA- - - GAAATTGTGGAATCTATCCTTAG-								69147

Majority	- - CAGCTXT- C- - - - - ACAAGXTCXCTAGAGAXC- - - - TCTX- GACTATTCTAAT- - - - - AGATT								
	99290	99300	99310	99320	99330	99340	99350	99360	
Human	CCCAGCACTTTGACAGGTC AAGGTGGGAGGATTGCTGGAGGCCAGGAGTTT GAGACCAGCCTGAGCAACATAGTGAGATC								79494
PolarBear	- - CAGTAGT- C- - - - - ACAAATATCTAGAGATC- - - - TCTCGGACTG- - TAACAGT- - - - - TAAAAT								38937
Cow	- - AGGCTTT- T- - - - - AAAGGTCCAGTAAAAACT- - - - GCAA- GACTATTCTAGT- - - - - GACT								76035
Dog	- - CAGTGGTTC- - - - - ACAAAGTATCTGGAGATC- - - - TCTCCGGCTC- - TAAC- - - - - AAAGT								69008
BelugaWhale	- - AGGCTTT- - - - - AAAAGTCCAATAGAAACC- - - - TCAA- GACTATTCTAGT- - - - - GATT								68037
Donkey	- - AGGCTTT- - - - - AAAAGTCCAGTAAAAA- C- - - - TCA- - GACTATTCTAGT- - - - - GATT								75979
Cat	- - CAGTGGTTC- - - - - ACAAATGTTT AGAGATC- - - - TCTGGAGGCC- TCTTAGGGTTTCTAACAA- GT								74055
Ferret	- - CAGTGGTTC- - - - - ACGGAATATCTGGAGATC- - - - TCTCAGACTC- - TTAG- - - - - CAAAAT								76849
Lion	- - CAGTGGTTC- - - - - ACAAATGTTT AGAGATC- - - - TCTGGAGGCCCTCTTAGGGTGTCTAACAAAGT								71741
Vaquita	- - AGGCTTT- - - - - AAAAGTCCAATAGAAACC- - - - TCAA- GACTATTCTAGT- - - - - GATT								69331
Pig	- - AGGCTTT- - - - - AGAAGTTTAGTAAAAACC- - - - TCA- - GATTATTCTAGT- - - - - GATT								69191

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Majority	- - - - CCXTCXTCTCTTAAAAXAGTTXTT- - - - - XACTTTX- - - - - XXCTCTGGTCTGTCAAAAATGAAGA- AAXATXATT								
	99530	99540	99550	99560	99570	99580	99590	99600	
Human	GCAAACCTTGTCTCAAAAATAAAGGGTGGGGAAGCTTTAGCCTAGGCTTTTAATTCTCAATTACCATTATAAATTTATT								79734
PolarBear	- - - - - TCTTTGTAAAACAGGTCTT- - - - - GGCTTTT- - - - - ATTTCTGATATGTTAAATATCAGTT- GATATAACC								39106
Cow	- - - - - CCATCTCTGACAGTATTTTT- - - - - CACCAT- - - - - GCTCTGGACTGCCTAAAATGAAGG- AAGATCATT								76196
Dog	- - TCTTTTTTTTTTAAATAAAAAGTTCTT- - - - - GATTTTTT- - - - - GTTTCTGGTGTGTTAAATATCAGTT- GATATACCC								69186
BelugaWhale	- - - - - CCCTCATCTCTTGAAGTACTTTTG- - - - - CATCAT- - - - - GCTCTGGGCTGCCTAAAATGAAGA- AAGAACATT								68203
Donkey	- - - - - CCTTCATCTCTTAAAGCACTCTTG- - - - - CACTGT- - - - - ACTCCGGGCTGCCTAAAATGAAGA- AGGATCATT								76133
Cat	- - - - - TCTTTTTGAAACAGTTCTT- - - - - GGCTTTA- - - - - ATTTCTGATATGTTAA- - - - - - - - - - ATACAAC								74210
Ferret	TGTTCTTGTTCTTTTTAAAACAGTTCTT- - - - - GGTTTTT- - - - - ATTTCTGATGTGTCAA- - - - - - TT- GATATAACT								77024
Lion	- - - - - TCATTTTTAAAACAGTTCTT- - - - - GGCTTTA- - - - - ATTTCTGATATGTTAA- - - - - - - - - - ATACAAC								71896
Vaquita	- - - - - CCCTCATCTCTTGAAGTACTTTTG- - - - - CATCAT- - - - - GCTCTGGGCTGCCTAAAATGAAGA- AAGAACATT								69497
Pig	- - - - - CCCTCATCTCTGA- AGTACTTTTG- - - - - CACCATA- - - - - TGCTCCGGGCTGCCTAAAATGAAGA- AAGATCATT								69357

Majority	TXACXAXATAAXAGATCATTTGTCTTC- - - - - ATTAGTAATTT- CT- - - - - - XAG- - XXGTGXAAAXXGGTGGXGAXAC								
	99610	99620	99630	99640	99650	99660	99670	99680	
Human	TTAATTATTAAC TAATTACTTTAATTC- TCAATTACTATTTTTCCATGAAAAGGCTTGATGTTCTAAACAGTATTATACC								79813
PolarBear	CAAATAAACAAAAGGTC- TTTGTGATC- - - - - CTCAGTCATTT- CT- - - - - - - - - - AAG- - - - - AGTGTAAAGGGGTCCTGAGAC								39169
Cow	TGGCAAGATGATAGATCATCTGTCTT- - - - - AGTACCAAGTGATC- - - - - - - - - - CAGCATGGTAAGAATAAATGGAGAAAT								76263
Dog	CAAATAAACAAAAGGTC- TTTGTGGTC- - - - - CTCAGTAATTTTCT- - - - - - - - - - AAG- - - - - AGTGTAAAGGGGT- - - - - GAGAC								69247
BelugaWhale	TGGCCAGAGGATAGATCATTTGACTTT- - - - - AGTAGCAAGTGACC- - - - - - - - - - CAGCATGGTGAGAATAAATGGAGAAGT								68271
Donkey	TGACGGAAGACTAGATCACCTGACTTAGTAGTATAGTGGTCTGCTGTTATCACCCTCTGGT GATGATAGATGGAAAAGT								76213
Cat	CATT- - - - - TAAAAGCTG- TTTGTATTC- - - - - TTCAGTAAATT- TT- - - - - - - - - - ACG- - - - - AGTATAAAGGGGTCCTGAGAC								74269
Ferret	CAAA- - - - - CAAAAGGTC- TTTGTGTTT- - - - - CTCAGTAAATT- CT- - - - - - - - - - AAG- - - - - AGTGTAAAGGGGTCCTGAGAC								77083
Lion	CATT- - - - - TAAAAGCTG- TTTGTATTC- - - - - TTCAGTAAATT- TT- - - - - - - - - - ACG- - - - - AGTATAAAGGGGTCCTGAGAC								71955
Vaquita	TGGCAAGAGGATAGATCATTTGACTTT- - - - - AGTAGCAAGTGACC- - - - - - - - - - CAGAATGGTGAGAATAAGTGGAGAAGT								69565
Pig	TGGCAGGAAAGTAGATCATCTGACTT- - - - - GGTAGCAAGTAGCC- - - - - - - - - - CAG- ATGGTGAGAATAGATGGAGCCGT								69423

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Majority	AXXAAG- - - - - ACTXTXAAAC- - - - ATTTTXAGXATGGXAATACGAAXTTTGGGAAXA- TXATAGCTTAC- XATTXX								
	99690	99700	99710	99720	99730	99740	99750	99760	
Human	ACCAAGTTATCTCTACTGGAAAACCCAGATTTCAAGAAAAAATAATGTATTTTGAAAACAATTATGTCTTAAATATTTA								79893
PolarBear	CAAAAA- - - - - GATTGAGAAC- - - - TTTTTCAGTGTGGGGATACAAAGTTCAAGATAA- TTCTATTAAATAAATAGG								39236
Cow	ATGGAG- - - - - ACTGTGAAGT- - - - AGCATTGGGCAGTAGCAACAACATTGGGGATG- TCACAGCTTAC- - ATTCC								76328
Dog	CAAAAA- - - - - GATTAAAAGC- - - - TTTTTCAGTATGGGGATACGAAGTTCAAGGAT- - - - - TTTCA- - AGTA- -								69303
BelugaWhale	AGGGAG- - - - - ATTATGAAGT- - - - AGCATTGGATAGTAGCAAGAACAGTGGGGACC- TCATAGCTTAC- - ATTCC								68336
Donkey	TGGGAG- - - - - ACTATGAAAT- - - - AGCATTGGACAGTAGTAAGAACAGTGGGGACC- TCCCCGCTTAC- - ATT- -								76276
Cat	TAAAA- - - - - GAAC- - - - ATTTTCATTGTGGG- ATACAAAGTTCAAGACTA- TTCTAGTAGATAAGTAGG								74328
Ferret	CTAAAA- - - - - GATTGAGAAC- - - - TTTTTCAGTGTGGGGATACAAAGTTGAAGACAA- TTCTATTAGATAAATAGG								77150
Lion	TAAAA- - - - - GAAC- - - - ATTTTCATTGTGGG- ATACAAAGTTCAAGACTA- TTGTAGTAGATAAGTAGG								72014
Vaquita	AGGGAG- - - - - ATGATGAAGT- - - - AGCATTGGATAGTAGCAAGAACAGTGGGGACC- TCATAGCTTAC- - ATTCC								69630
Pig	GGGGAG- - - - - ACTG- - AAGC- - - - AGCATTCCGACGGTAGCAGCAGCAGTGGGGATC- TCACAGCTCAC- - ATTCC								69486

Majority	A- - - CT- TTTTAATAAACTTTAXATXGTCXTCATACTAGA- AGG- AXGTAAAXTGAATA- TXCTTGXGAXCXAXAAAATT								
	99770	99780	99790	99800	99810	99820	99830	99840	
Human	AAATTCTTTTAAACATGTTTTTAACCATCTTTAAATTTTTTTGGTAAGTAATTTTCATTAGATTGTTAAAATGTATAGTG								79973
PolarBear	A- - - GTATTTTAATAAACAGAAAGATGGCGGTAAGAGTCAG- AAG- ATATAAAGGGAATA- TGCTAGGGATATAGGGAATT								39310
Cow	A- - - CT- TTTTGCTAAGCTTTCCATTGCTGCTTTACTAGG- AGG- AGGTAAATTGTATT- TGCTTT- GAGTCACAAAATT								76400
Dog	- - - - - TTTTAATAAACAGAAAGATGGTGATAAAGAGTT- - - GAG- ATGTACAGAGAAAA- TGCTAGGAAT- TAGGAAATT								69370
BelugaWhale	A- - - CA- TTTTGCTGAGCTTTCCATTATCTCCTTACTAGA- AGG- AGATAAATTGTATC- TACTTG- GAGCCACAAAATT								68408
Donkey	- - - - - TGTGCTAAACTTTCCATTACTTCCATAATAGA- AGG- AGGTAAATTGCATC- TACTTTGAACCCA- AAGTTT								76344
Cat	A- - - GTATTTTAATGAACA- - AGATGGCAGTGAAGAGTA- - GAG- ATGTACAGGGAAGA- TGCTAGGGAT- TAGG- TCAT								74397
Ferret	A- - - TTGTTTTAATAAACAGAAAGACGGTGGTAAGAGTCAA- GAG- ATTTACAGGGAATAATGTTAGGGATTTAGG- AATT								77224
Lion	A- - - GTATTTTAATGAACA- - AGATGGCAGTGAAGAGTA- - GGG- ATGTACAGGGAATA- - - - - - - - - - - T								72066
Vaquita	A- - - CA- TTTTGCTGAGCTTTCCATTATCTCCTTACTAGA- AGG- AGATAAATTGTATC- TACTTG- GAGCCACAAAATT								69702
Pig	T- - - CT- CTTTGCTAAGCTTTTTCACTATCTTCTTACTAGA- AGGGAGGTAAAATGTATC- TACTT- - GAGCCACAAAATT								69558

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Majority	TCTCAXA- - - - TTAATXTTAGTAXATAATTATGTTTXATTTTT- ACTAAAGTGTTATGXT- - - - TTAGTAAAACCTGAA	
	99850 99860 99870 99880 99890 99900 99910 99920	
Human	GCACGGTAGGGTTGTATCTCAAGATATGAAGCAGTTTTTTCATAAAAATAAAGTATTAACCTTAGGCTGGTATGTTTAGAT	80053
PolarBear	TTTTAGA- - - - TTAATTTTGGTATCTAAATATAATTAATT- - - - GTTCAGTTGTTTGGT- - - - TTAGTGAGCCCTGAA	39376
Cow	TCA- - - - - - - - - - - - - - - TGAGAAAATTATTA- GTCTCATTTTT- ACTAAAGTGTAATGTT- - - - TATTTAAAACCTGGC	76458
Dog	TTTTAGA- - - - TGAATTTTGGTAACTAATAACAATTAATTGTTTCAGTTAATTTTTGGGGGG- - - TTAGTCTACCCTGAA	69442
BelugaWhale	TCACAAA- - - - TATTT- TCACAAGAAAATTAAGTCTTATTTTT- ACTAAAGTGTAATGTTGT- - TTATTTAAAACGTGGC	68479
Donkey	TCTCA- - - - - - - - - - - - - - - TTAGAAGATTAGCA- GTCTTATTTCT- TCTAAAACGCAATGTTGT- - TTATTTAAAATATGAC	76407
Cat	TTTTATA- - - - TTAATGTTGGTAACTAATTCT- - TCAGTT- - - - - - - - - AAATTTTTCTGGC- - - - TTAGTGGGCCCTGAA	74459
Ferret	TTTAATA- - - - TTAATTTTGGTATCTAATTATAATTAGTTC- - - AGTAAATTATTTTGGG- - - - TTAGGAAGACCTAAA	77292
Lion	TTTTATA- - - - TTAATGTTGGTAACTAATTCT- - TCAGTT- - - - - - - - - AAATTTTTCTGGC- - - - TTAGTGGGCCCTGAA	72128
Vaquita	TCACGAA- - - - TATTT- TCACAAGAAAATTAAGTCTTATTTTT- ACTAAAGTGTAATGTTGT- - TTATTTAAAACGTGGC	69773
Pig	TCACTAA- - - - TTTTTTTCAGTAGAAAATT- - GTTTTATTTTT- ACTGAAGAGTAATGTT- - - - - TATTTAAAACAGGAA	69625

Majority	AATX- - - - - - - - - TTTTTTATTAGG- - - - TXGTATTGXAA- XCAGAAA- - XGACTTTGACCTAATXTTTT- - - - - - - - -	
	99930 99940 99950 99960 99970 99980 99990 100000	
Human	CAATACTGTATTTAAATAGATTGATAATTTTTTATATATTTTATGAATTTATACTTTTTCTTGAGATTTTACAGGAGGGAAA	80133
PolarBear	AA- - - - - - - - - TTGGTAG- AAT- - - - - TGGAAATGAAA- - CCAGAAA- - TTAAACTGATTTAATTTTTTTAA- - - - - - - - -	39429
Cow	- - - - - - - - - - - - - - - CTTAAGTCAGG- - - - - TTTTTTCACACT- TAAAAGG- - GGGCTTTAGCCTAGACTTT- - - - - - - - -	76507
Dog	AATC- - - - - - - - - GTTTGGTA- - AGT- - - - - TGAAAATGAAA- - CCAGAAA- - TTAAACTGACTTAATTTTTTT- AT- - - - - - - - -	69497
BelugaWhale	ATTC- - - - - - - - - TTTTTTTTAAA- - - - - GTCTTTTCACATT- TCAAAAA- - GGGCTTTAGCCTAGTCTCTT- - - - - - - - -	68533
Donkey	ATTCTCTGGCATTTTTTTTTTAAGGTCTCCGGTCTATCACACTGAAAAA- - GGACTTTAACCTAGACACTT- - - - - - - - -	76475
Cat	AATT- - - - - - - - - GTTTCTTGTCTGG- - - - - TAGAATTGAAAAACCAGAAA- - TTTAGCTGATTTAATTTTTTT- - - - - - - - -	74516
Ferret	AAGT- - - - - - - - - GTTTGGTAG- AGT- - - - - TGGAAATGAAA- - CCAGAAA- - TTAAACTGATTTAATTTTTTG- GT- - - - - - - - -	77348
Lion	AATT- - - - - - - - - GTTTCTTGTCTGG- - - - - TAGAATTGAAAAACCAGAAA- - TGTAGCTGATTTAATTTTTTT- - - - - - - - -	72185
Vaquita	ATTC- - - - - - - - - TTTTTTTTAA- - - - - GTCTTTTCACACT- TCAAAAA- - GGGCTTTAGCCTAGTCTCTT- - - - - - - - -	69826
Pig	- - - - - - - - - - - - - - - TACGAATTCGG- - - - - CATTCTCTCA- - - - - - - - - - - - - - - GGACTTTCACCTAGACTTTT- - - - - - - - -	69666

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Majority	GAGA- - - XATGTTXXAGAAAAAGGGXX- - - - TTCTTTAAAAA- - - - - TGAAGTG- - - - - CCTX										
	100330	100340	100350	100360	100370	100380	100390	100400			
Human	GTA ACTGA AGGCTA ATAGTATGTGTGTTTATGTGCTTTAAAAAGTTTCGTGGT TTTGGCCAGGCGCAGTGGCTCAGACCTG										80533
PolarBear	GCCAATTA AAGGCAGGGA AACAAGGGAA- - - TGATTTGACAA- - - - - TGT AATG- - - - - CCTA										39685
Cow	GAGA- - - TATATTTT AGAAGAA ACCATT- - - TTCTATAGAAA- - - - - TGAAGCA- - - - - TTTG										76766
Dog	GT- - - - - GAAACAAGGGAA- - - TGATTTGACAG- - - - - CGT AATG- - - - - CCTA										69733
BelugaWhale	GAGA- - - TGTATTTT AGAAGAA ACCGTT- - - TTCTGCAAAAA- - - - - TGAAGTG- - - - - TTT-										68785
Donkey	GAGA- - - TATATTTT AGAAGAA AC- - - - - TTCTGCAGAGA- - - - - TGAAGTG- - - - - TTAA										76776
Cat	GCCAATTA AAGTCAAGGGA AATGAGGAAA- - - TAATTTGACAG- - - - - TGT AATG- - - - - CCTG										74774
Ferret	GCCAATGAAACACAGGGA AACAAGGGAA- - - TGA CTTGACAA- - - - - TGCAATG- - - - - CCTA										77598
Lion	GCCAATTA AAGTCAAGGGA AATGAGGAAA- - - TAATTTGACAG- - - - - TGT AATG- - - - - CCTG										72442
Vaquita	GAGA- - - TGTATTTT AGAAGAA ACCGTT- - - TTCTGCAAAAA- - - - - TGAAGTG- - - - - TTT-										70078
Pig	GAGAG- ATGTGTTT CAGAAGAA ACTGTT- - - TTCTGCAAAAA- - - - - CGAAGTG- - - - - TTC-										69915
Majority	C- - ATCTAGAGT- TTXTG- - - CCAAGATTGAXTAATXGXGTT- - - - - XTGCTAXTTT TAGTT- - GA										
	100410	100420	100430	100440	100450	100460	100470	100480			
Human	TAATCCCAGCACTTTGGGAGGCTGAGGCAGGTGGATCACCTGAGGTCAGGAGTTC AAGACCAA AACAGCCTGGCC- - - A										80610
PolarBear	C- - ATCTGGAGT- TTCTG- - - CCACTGT CGAATAATTGTGTT- - - - - ATCAACTTTAGTT- - GA										39736
Cow	TTTACCTAGGCTGTTGTG- - - TGTAGACTGATATAGCAAATGTA- - - - - TTGATGTTTTATAC- - AT										76823
Dog	- - - ATCTGGAGT- TTCTG- - - CCACGATTGAATAATTGTGTTTATTTACAATAACAGCACAATAACAGCTTTAGTT- - GA										69804
BelugaWhale	- - - - - AGACTGTTGTG- - - TTTAGACTGATAAATCAAATGTA- - - - - TTGATGTTTTATAT- - GT										68835
Donkey	C- - CTAGACTGTTGTG- - - TTTAGATTGACATATCGAATTTA- - - - - GGGAGATTGATATTTTATATTATT										76838
Cat	C- - ATCTGGAGT- TTCTG- - - CCAGTGTGAAATAATTGTGTT- - - - - GTCAACTTTAGTT- - GA										74825
Ferret	C- - CTCTAGAGT- TTCTG- - - CCACTATTGAATAATTGTGTT- - - - - ACCGACTTAAGTT- - GA										77649
Lion	C- - ATCTGGAGT- TTCTG- - - CCAGTGTGAAATAATTGTGTT- - - - - GTCAACTTTAGTT- - GA										72493
Vaquita	- - - - - AGACTGTTGTG- - - TTTAGACTGATAAATGTATTGA- - - - - TGT TTTTTTATAT- - GT										70126
Pig	- - - - - A- - - - - GATTTATTTATCAACT- - - - - TTGTTATTTTAT- - - - GT										69946

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Majority	ATXTXATGAAXXXTXAXTTT- GCXACAACCTATCAAAA- - - - - AAGAAXXATA- AAGGTA- - - - - XGCTACTTA
	100490 100500 100510 100520 100530 100540 100550 100560
Human	ACATGGTGAAACCCCATCTCTACTAAAATACAAAATTAGCCAGGCATGGTAGTGGGTGCCTGTAGTCTCAGCTACTCG 80690
PolarBear	ATGCTATGTACATTCA- - - - GCCACAACCTATCTAAA- - - - - AAATACTTTC- AAGGAA- - - - - TGCTAATTA 39793
Cow	GTTTCATGAATTACTAGTTTTTTCTTGAATTAGCAACA- - - - - AAGAAAAATG- - - - ATA- - - - - AACTACTTA 76882
Dog	TTGCTATGTACATTGA- - - - GCCACAACCTATCTGAA- - - - - AA- TACTG- - - AAGGAA- - - - - TGATATTTA 69858
BelugaWhale	GTTTCATGAATTAGTAATTTTTCTTGAATATCAACA- - - - - GAGAAAGACAAATGATA- - - - - AGTAACTT- 68897
Donkey	GTTTCGTGAATTAGTAACTTTTCTTGAATTGTCAAAA- - - - - GGGAAAGAGGAGTAGTA- - - - - GGTGACGTA 76901
Cat	ATGGTATGTACATTCA- - - - GCCACAGCTAT- - - - - ACTT- - - AAGGAA- - - - - TACTATATT 74871
Ferret	ATGCTATGTACATTCATTCA- GCCACAACCTATCTGAA- - - - - AAATACTTTC- AAGAAA- - - - - TGATAATTA 77710
Lion	ATGGTATGTACATTCA- - - - GCCACAGCTATCTGAA- - - - - AA- TACTT- - - AAGGAA- - - - - TACTATATT 72547
Vaquita	GTTTCATGAATTAGTAATTTTTCTTGAATATCAACA- - - - - GAGAAAGACAAATGATA- - - - - AGTAACTTA 70189
Pig	ATTTTCATGAATTAGTAATTT- - - - AAAAATATCAACA- - - - - GGGAAAGACA- - - - - ATA- - - - - AGTAACTTA 70001

Majority	A- - - - - A- - - ATAAG- - - - AXTTGGAGGGG- - - - -
	100570 100580 100590 100600 100610 100620 100630 100640
Human	AGATGCTGAGGCAGGAGAATCACTTGAAGCTGGGAGGTGGAGGTTGCAGTGAGCCAAAATCTCGCCATTACACTCCAGCC 80770
PolarBear	A- - - - - A- - - GGAGG- - - - AGGGGGAGGG- - - - - 39810
Cow	G- - - - - AACTATAA- - - - TTTGGGAACCT- - - - - 76902
Dog	A- - - - - AG- - AAAGG- - - - ACGAGGAGGGG- - - - - 69877
BelugaWhale	- - - - - TATAAG- - - - TTTTGAATCTAA- - - - - 68916
Donkey	G- - - - - AACTGTAAG- - - - TTTTGAAGTGTGAGTAGTGTGTAATATACCTGTCATATATTAGAGCATTCTTTACCT 76970
Cat	T- - - - - A- - - AAGAA- - - - AGGATGAGGGG- - - - - 74889
Ferret	A- - - - - A- - - AGAGG- - - - AGGGGGAGGGG- - - - - 77728
Lion	T- - - - - A- - - AAGAA- - - - AGGATGAGGGG- - - - - 72565
Vaquita	A- - - - - AACTATAAG- - - - TTTTGAATCTAA- - - - - 70212
Pig	G- - - - - G- - - - - TATTAGAATCT- - - - - 70014

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Majority	----- TCATTTCTA- - A- ----- GAGTATGCAAAAACAAAATXAC- - - TGTGA										
	100650	100660	100670	100680	100690	100700	100710	100720			
Human	TGGGGGACAAGAGCAAGACTCCATCTCAAAAAAAAAAAAAAAAAAAGTTATTGGTTTTAATTTTGGAAATGACAACCATTA										80850
PolarBear	----- CCATTTTCTA- - A- ----- GAGTGTGCAAAACCAAATTAC- - - TGTGA										39848
Cow	----- ACGTATCTCA- - - ----- GAATATGCAGGAACAAAATGAC- - - TGTGA										76939
Dog	----- TCATTTTCTA- - A- ----- GAGTATGAAGAAACAA- - - TAC- - - TGTGA										69912
BelugaWhale	----- CTACATGTCTAATAA- - - ----- GAGTATGCAAGATCAAATGAC- - - TGTGA										68958
Donkey	TTCAAATAAATGCTTCTTTTTAATTTCTTAGTACTTTTTGAGCATCGTATGTGTACGAAGCATCATACCAAG- - TATAC										77047
Cat	----- TCACTTTCTA- - A- ----- CAGTATTCAAAAACAAAATTAC- - - TATCA										74927
Ferret	----- TCATTTTCTA- - A- ----- GAGTGTTCAAAAACAAAATTAC- - - AGTGA										77766
Lion	----- TCACTTTCTA- - A- ----- CAGTATTCAGAAACAAAATTAC- - - TGTTA										72603
Vaquita	----- CTACATGTCTAATAA- - - ----- GAGTATGCAAGATCAAATGAC- - - TGTGA										70254
Pig	----- ACAGGTCTAA- - - ----- GAGTATGCAAAAACAAAACG- - - - - TGA										70047

Majority	GTGCA- - - - - TXCCTA- - - - -										
	100730	100740	100750	100760	100770	100780	100790	100800			
Human	ATAGAACCACATTAGGCCGGGCGCGGTGGCTCATGCCTGTAATCCTAGCACTTTGGGAGGCCGAGACGGGTGGATCACG										80930
PolarBear	GTG- - - - -										39851
Cow	GTACA- - - - - TACCTA- - - - -										76950
Dog	GTGCA- - - - - TGTCTA- - - - -										69923
BelugaWhale	GTACA- - - - - TACCTA- - - - -										68969
Donkey	GTGTAGT- - - - - GGTTCGCAAATATTGTCTACAGATCTTTGAGAGCCCCTGAGACCCTCTCTAGAGGTCCA										77114
Cat	GTGCA- - - - - TATCTA- - - - -										74938
Ferret	GTGTA- - - - - TGTGTA- - - - -										77777
Lion	GTGCA- - - - - TACCTA- - - - -										72614
Vaquita	GTACA- - - - - TACCTA- - - - -										70265
Pig	GTACA- - - - - TGCTTA- - - - -										70058

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Majority	- XG- - - - - AATTAGGAATGTAT- - - - - CXGTXTXCTTG- - - - - AC	
	100810 100820 100830 100840 100850 100860 100870 100880	
Human	AGGTCAGGAGATCAAGACCATCTTGGCTAACACGGTGAAACCCCGTTT-CTACTAAAAATACAAAAAATTAGCCGGGCGT	81009
PolarBear	- - - - - ATTTA- - - - -	39856
Cow	- GG- - - - - AATTAGGAATGTAT- - - - - CTTT- - - - - AC	76972
Dog	- AG- - - - - AACGGGAAATACGT- - - - - CTGTATACTTG- - - - - TC	69952
BelugaWhale	- GG- - - - - AATTAGGAATGTAT- - - - - C- TT- - - - - AC	68990
Donkey	CAA- - - - - AATCAAAACTATTTTCATGATAATACTAAAATGTTGTTTGCCTTTTGACTCTCATTTTCTCAATAGAATAC	77188
Cat	- AG- - - - - AATTGGGAATGTAT- - - - - CCTCATACTTG- - - - - CC	74967
Ferret	- AG- - - - - AATTGGTAATATAT- - - - - CTGTATACTTG- - - - - TC	77806
Lion	- AG- - - - - AATTGGGAATGTAT- - - - - CCTCATACTTG- - - - - CC	72643
Vaquita	- GG- - - - - AATTAGGAATGTAT- - - - - C- TT- - - - - AC	70286
Pig	- GG- - - - - AATTACGAATTTATAT- - - - - CTGTGTACTTG- - - - - AC	70089

Majority	ATTGG- - - - - CAGCAAATT- - - AA- - - GAT- - - - -	
	100890 100900 100910 100920 100930 100940 100950 100960	
Human	GTTGGCGGGCGCCTGTAGTCCCAGCTACTTGGGAGGCTGAGGCAGGAGAATGGCATGAACCTGGGAGGCGGAGCTTGCAG	81089
PolarBear	- - - - -	39856
Cow	ATTGG- - - - - CAGCATTTT- - - AA- - - GAT- - - - -	76991
Dog	ATTGG- - - - - CAGCAAATT- - - AA- - - GAT- - - - -	69971
BelugaWhale	AGTGG- - - - - CAGCATTTT- - - AA- - - GAT- - - - -	69009
Donkey	GTTGGAGTTTTCTACATCACTCTGCAAAC- - - AACAGGATGTGTGATCTTGTGTTCCCTGTGCTTTAAAGTTCTTGGTTT	77265
Cat	TTTGG- - - - - CAGCAAATT- - - AA- - - GAT- - - - -	74986
Ferret	ATTGG- - - - - CAGCAAATT- - - AA- - - GAT- - - - -	77825
Lion	ATTGG- - - - - CAGCAAATT- - - AA- - - GAT- - - - -	72662
Vaquita	AGTGG- - - - - CAGCATTTT- - - AA- - - GAT- - - - -	70305
Pig	TTGGG- - - - - CAGCATATT- - - AA- - - GAT- - - - -	70108

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Majority	----- ATC----- XATTGAATGT----- TAAAT----- GGAAAC-----								
	100970	100980	100990	101000	101010	101020	101030	101040	
Human	T GAGCCGAGAT CACGCCACT GCACT CCAACCT GAGAGACACAGCGAGACT CCGTCTCGAAAAAAAAAAAAAAAAAAAAA							81169	
PolarBear	-----							39856	
Cow	----- AGC----- CATTGAATGT----- TAAAT----- GGAAAC-----							77015	
Dog	----- ATC----- TTTTAAATGT----- TAAAT----- GGAAGT-----							69995	
BelugaWhale	----- ATC----- CATTGAATGT----- TAAAT----- GGAAAC-----							69033	
Donkey	TAATTTCTGATA--- TTTTAAACGTCAGTTGATAGAACCCAAGTAAAC----- AAAAACTCTTTGCAGTCCTCAGT							77333	
Cat	----- ATC----- TATTGAATGT----- TAAAT----- GGAAAC-----							75010	
Ferret	----- ATA----- CATTGAATGT----- TAAAT----- GGAAGC-----							77849	
Lion	----- ATC----- TATTGAATGT----- TAAAT----- GGAAAC-----							72686	
Vaquita	----- ACC----- CATTGAATGT----- TAAAT----- GGAAAC-----							70329	
Pig	----- ATG----- TTTTCAATGT----- TAAAT----- GGAAAC-----							70132	

Majority	- AACCTATA----- AAG- T-- TAA----- T-- GAG								
	101050	101060	101070	101080	101090	101100	101110	101120	
Human	GAACCCACATTAACAAAAACTCCTTGTGATTCTCCATAGTTTTAAGACTATAAAGGGGAGCTGAGACCAAAAAGTTTGAG							81249	
PolarBear	-----							39856	
Cow	- AACCTATG----- AAG- TATAA----- C-- GGG							77035	
Dog	- AACCTATA----- AAG- TATAA----- T-- GAG							70015	
BelugaWhale	- AGCCTATC----- AAA- TGTAA----- T-- GAG							69053	
Donkey	AAGTCTTAA----- GAG- TGTAAAGGGGTCTGAGACCAAAAAGTTTGAG							77377	
Cat	- AACCTATG----- AAG- TGTAA----- TCAGAG							75032	
Ferret	- AACCTGTA----- AGG- TATAA----- T-- GAG							77869	
Lion	- AACCTATG----- AAG- TGTAA----- TCATAG							72708	
Vaquita	- AGCCTATC----- AAA- TGTAA----- T-- GAG							70349	
Pig	- AACCTATA----- AAG- TATAA----- C-- GAG							70152	

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Majority	AGCTA- - - - - TGG- - - - - TATTT- AAC- - - - -								
	101130	101140	101150	101160	101170	101180	101190	101200	
Human	AACTTTTTCACTGTGGGATACAAAGTTGAAGACAATTATAGTTAAATAAGCAGGAGATACAGAGTATTTTAATGAACAGT								81329
PolarBear	- - - - - ATTT- AAC- - - - -								39864
Cow	ATCTA- - - - - TGG- - - - - TATTT- AAC- - - - -								77052
Dog	AGCTA- - - - - TGG- - - - - TATTT- ACT- - - - -								70031
BelugaWhale	AGCTA- - - - - TTA- - - - - TATTT- AAC- - - - -								69070
Donkey	AACTACTTCAATGTGGGATACAAAGTTTAAAGAGAATTCTAATAGATAAGTAGGAGATAGAGGGTTTTTT- AATAAACAGG								77456
Cat	GGCTA- - - - - TAG- - - - - TATTT- GC- - - - -								75049
Ferret	AACTA- - - - - CAG- - - - - TATTT- AAA- - - - -								77886
Lion	GGCTA- - - - - TAG- - - - - TATTT- GACT- - - - -								72725
Vaquita	AGCTA- - - - - TTA- - - - - TATTT- AAC- - - - -								70366
Pig	AGCTC- - - - - TGG- - - - - TACAT- AACG- - - - -								70169

Majority	- - - - - TGGGGAAGTTAGTAATACTATAGA- - - - -								
	101210	101220	101230	101240	101250	101260	101270	101280	
Human	AGATGGTTATAAGAGTCAAGAGATGTACAGAGAAAATGCTAGTGATTAG- - - AGTTTTTAGATTATTTTAATTTTGGTAA								81406
PolarBear	- - - - - TGGGGAAGTTTGACATGCTGTAGA- - - - -								39888
Cow	- - - - - TGGGGAAGTTAGTAATAACCATAGA- - - - -								77076
Dog	- - - - - GG- - AAGTTTGTAAATGCTGTAGA- - - - -								70052
BelugaWhale	- - - - - TTGAGAAGTTAGTAATAACCATAGA- - - - -								69094
Donkey	AGATGG- TGGTTGAGTCAAGAGCTATATAGAGAAAATGCTAGGAATTAGGAGACTTTTGAGATTATTTTAATTTTGGTAA								77535
Cat	- - - - - TGGGGAAGTTTGTAACTTTAGA- - - - -								75073
Ferret	- - - - - TGGGGAAGTTTCGACATGCTGTAGA- - - - -								77910
Lion	- - - - - TGGGGAAGTTTGTAACTGTAGA- - - - -								72749
Vaquita	- - - - - TTGAGAAGTTAGTAATAACCATAGA- - - - -								70390
Pig	- - - - - TGC- - - AGTTAGTAATGCTATAGA- - - - -								70190

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Majority	- - - - - ATAGTT - - - - - AGTTAAAAAGATT CACACTAATGGGT CCTAAAAGGCATTAAAGAC - - - T - - - - ACTAA - - XX -								
	101290	101300	101310	101320	101330	101340	101350	101360	
Human	CTAATTATAATTC-	CTCAGTTAAGATTTTT	TGGCTTAGTGGGCCCTT	AGAATTACTTCTTCC-	TGTTAGAATTAAAAGTG				81484
PolarBear	- - - - - ACAGTT - - - - -	GGTTAAAAAGATCC	CACACTGGTGGATCC	AAAAAGGCATCAAAGAC-	- - - T - - - -	ACAAA - - - - -			39945
Cow	- - - - - ATA - - - - -	AAGTGGTA - - - - -	GATCCTAAAAGGTG	CTAAAGATTACTTAG	TATGTAT - - - -	AATAATGATT			77133
Dog	- - - - - ATAATT - - - - -	GGTTAAAAAGATCC	CACACTGGTGGATCC	AAAAAGGCATCAAAGAC-	- - - T - - - -	ACTAA - - - - -			70109
BelugaWhale	- - - - - ACAGTTA - - - - -	AAGTGGTG - - - - -	GATCCTAAAAGGCA	CTAAAGTCTATTATG	CATG - - - - -	AGTAATTATT			69152
Donkey	CTAATTATAGTTAG	CTCAGTTAAGTTTT	CTAGTTTAGTGGGCC	CTGAGAATCACTTG	TGCTGTTAGAACTG	AAAATG			77615
Cat	- - - - - ATAATT - - - - -	GGTTAAAAAGATT	CACACCGATGGATCC	AAAAAGGCATCAAAGA-	- - - - - A - - - - -				75124
Ferret	- - - - - ATAGTT - - - - -	GGTTACAAAGATT	CACACTAGTGAATCC	AAAAAGGCATCAAAGAC-	- - - T - - - -	ACTAA - - - - -			77967
Lion	- - - - - ATAATT - - - - -	GGTTAAAAAGATT	CACACCGATGGATCC	AAAAAGGCATCAAAGA-	- - - - - A - - - - -				72800
Vaquita	- - - - - ACAGTTA - - - - -	AAGTGGTG - - - - -	GATCCTAAAAGGCA	CTAAAGTCTATTATG	CATG - - - - -	AGTAATTATT			70448
Pig	- - - - - ATAGTTG - - - - -	AAGCTCCACCAGT	GGCTCTAAAAGGCAT	TAAAGATTGCTGTGC	AT - - - - -	AATAATTACT			70253

Majority	AGACATGAGA - - - - - AGTTTCT - ATT - - - - - TTAAAATT - - - - - AGATCCTTXTTTCT - GG								
	101370	101380	101390	101400	101410	101420	101430	101440	
Human	AAACCAGAAATTA	AAGTGATTTAATTT	TTTTATTGTGGCAA	AGATCTAGTCCAA	ATATCTTTGATGG	ACTT - TTTGAAA			81563
PolarBear	G- ACATGACA - - - - -	AGTTTTT - ATT - - - - -	TTAAAATT - - - - -	AGATACTTGTTT	CTGGG				39989
Cow	AGACATGAGG - - - - -	AGTTTCT - GTG - - - - -	TTAAAATT - - - - -	AGATCCTTATTT	CT - GC				77177
Dog	AGACATGAGA - - - - -	AGTTTTT - CTT - - - - -	TAATA - TT - - - - -	AGATCCTTGTTT	CTTGG				70153
BelugaWhale	AGACGTGAGA - - - - -	AGTTTCT - ATT - - - - -	TTAAAATT - - - - -	AGATCCTTATTT	CT - GG				69196
Donkey	AAACCAGAAATTA	AACTGATTTTATTT	TTTTATTGTGGAAA	AGACGTGGTCAA	ATTTCTTTGATGG	CTTTTTTTTTTTAG			77694
Cat	- - - CATGAGA - - - - -	AGTTTCT - ATT - - - - -	TTAAA - - - - -						75146
Ferret	- - - CGACATA - - - - -	AGTTTTT - ATT - - - - -	TTAAA - TA - - - - -	T - - - - -	TTTCTGGG				78000
Lion	- - - CATGAGA - - - - -	AGTTTCT - ATT - - - - -	TTAAA - - - - -						72822
Vaquita	AGACGTGAGA - - - - -	AGTTTCT - ATT - - - - -	TTAAAATT - - - - -	AGATCCTTATTT	CT - GG				70492
Pig	AGACATGAGA - - - - -	AGTGTCT - TT - - - - -	TAAA - - - - -	AGGCCCTTATTT	CT - GG				70295

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Majority	A- - - - TTTACTTTTAAAA- TAAAATTGGTGAAT- - - - -	
	101450 101460 101470 101480 101490 101500 101510 101520	
Human	CAGACTTTATTGTTAAAAAGGGAATTTGAGGCTTGGTACTGAACTTCTTCTGCATGCCATATTGAAGTTGGTGGTTTTTT	81643
PolarBear	A- - - - TTTACTTTTAAAA- TAAAA- GGATGAAA- - - - -	40016
Cow	A- - - - TTTACTTTTAAAAA- TGAAATTGATGAAT- - - - -	77205
Dog	A- - - - TTTACTTTTAAAA- TAAAATTGTTGAAA- - - - -	70181
BelugaWhale	A- - - - TTTACTTTTAAAAA- TGAAATTTGTGAGT- - - - -	69224
Donkey	TCTTTTTTATTCTTAAAAGTCAATTTGAGGAATGATACTGAACTTTTTTCTTCTGCATCACATGAATTTGCAGATGGTGT	77774
Cat	- - - - - AG- - TAAAATGGGTGAAT- - - - -	75162
Ferret	A- - - - TTTACTTTTAAAA- TAAAAAGGATGAAAGA- - - - -	78030
Lion	- - - - - AG- - TAAAATGGGTGAAT- - - - -	72838
Vaquita	A- - - - TTTACTTTTAAAAA- TGAAATTTGTGAGT- - - - -	70520
Pig	A- - - - TTTACTTTTAAAAAATAAACTGGTGAAT- - - - -	70324

Majority	- - - - - XAAATGXAACA- - - - -	
	101530 101540 101550 101560 101570 101580 101590 101600	
Human	GTTTGTTTGCCATCAGTG- - - - - GGATCTCATACAGACTATGGAATTTAATAGAATTTTAAAGATACTGTTT- - TTC- - -	81713
PolarBear	- - - - - AAATAATAAATACATAAAATGGATGAGTGAAGGAAC- - - - -	40053
Cow	- - - - - AGATGAAACA- - - - -	77215
Dog	- - - - - AAATAATAAATAATTAATGAATGA- - - - -	70207
BelugaWhale	- - - - - AGATACAACA- - - - -	69234
Donkey	TTATTTGCTTGTTTGTGTTTGGGCCATCAACTGGATCCCATTAAAGACGAAGGAACCTAACAGAATTTAAAGTTACTTTTTTC	77854
Cat	- - - - - GGA- TGGAACA- - - - -	75172
Ferret	- - - - - ATAAATAATAAATACATAAAATGGATGAGTGGATGGAAC- - - - -	78069
Lion	- - - - - GGA- TGGAACA- - - - -	72848
Vaquita	- - - - - AGATACAACA- - - - -	70530
Pig	- - - - - AGATGAAACA- - - - -	70334

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Majority	----- AGATTGGCCA----- TGAGTTAATAAT-----								
	101610	101620	101630	101640	101650	101660	101670	101680	
Human	--CTAAAAGGTAGCTAACTAAAGGCAGGA----- AAATAGAATGATGTAACAATATAATGACTACATCTGGAGTTTCTGC								81786
PolarBear	----- AAGATTGGCCAT----- GAGTGCCATGAGTTAATACT-----								40085
Cow	----- AGATTGGCCT----- TGAGTTAGTAAT-----								77237
Dog	----- AAATTGGCCAC----- CACTACCATGAGTTAATAAT-----								70238
BelugaWhale	----- CGATTGGCCA----- TGAGTTAATAAT-----								69256
Donkey	TACTAAAAGGTAGCCAATTAAAGGCAGAAAGAAACAAGGGAATGATTTGATAATGTAAAGGCCTACATCTGGAGTTTCCAC								77934
Cat	----- AGATTGGCCA----- TAAATTGGTAAT-----								75194
Ferret	----- AAGATTGGCCAT----- GAGTGCCATGAGTTAATACT-----								78101
Lion	----- AGATTGGCCA----- TAAGTTGGTAAT-----								72870
Vaquita	----- CGATTGGCCA----- TGAGTTAATAAT-----								70552
Pig	----- AGATTAGCCA----- TGAGTTAATAAT-----								70356

Majority	--- TGTTAAACAATTGTGATGGXTACXTGGG----- GTTXGTTATTCT-----								
	101690	101700	101710	101720	101730	101740	101750	101760	
Human	TACTAATAAATAATTGTATTGTCAACTTTAGTCAAATATTCTGTGCATT CAGT CAGAGCTATCTGAAAATACTGACGAAT								81866
PolarBear	--- TGTTAAACCAGTGTGATGGGTATGTGGG----- GTTTGTTATTCT-----								40125
Cow	--- TGTTAAACAGTTATGATGGATACATGGG----- GCTCATTATTCT-----								77277
Dog	--- TGTTAAACCAGCGTGATGG----- TTTGTTATTCT-----								70268
BelugaWhale	--- TGGTAAACAATTGTGGTGGATACATGGG----- GCTCATTATTCT-----								69296
Donkey	CACTGTTAAATAATTGTGGTGTCAACTTTAGTTGAATGCTAGTTGCTTTCAGCCAAAGCTATTTGAAAATACTGAAGAAC								78014
Cat	--- TGGTAAACCAGTGTGATGGGTATGTGGG----- ATTTGTTATTGT-----								75234
Ferret	--- TGATAAACCAGTGTGATGGGTATGTGGG----- GTTTGTTATTCT-----								78141
Lion	--- TGGTAAACCAGTGTGATGGGTATGTGGG----- ATTTGTTATTGT-----								72910
Vaquita	--- TGGTAAACAATTGTGGTGGATACATGGG----- GCTCATTATTCT-----								70592
Pig	--- TGTTAAACAATTGTGATGGATACACTGG----- GTCAT--- TCT-----								70393

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Majority	----- AGTCTCT- X- ----- ACT- ----- TTTG								
	101770	101780	101790	101800	101810	101820	101830	101840	
Human	AGTATTACAATATGGG- - - GAGGTCACCTTCTC- - - - - AAGACTGCAAGAAAAAATTGTTGTGTGTAGGAATGTTTG								81936
PolarBear	----- AGTCTTT- - - - - TTTTT- - - - - TTTT								40141
Cow	----- AGTCTCTGT- - - - - ACT- - - - - TGTG								77293
Dog	----- AGTGTCT- - - - - C- - - - - TTTT								70280
BelugaWhale	----- AGTCTCT- - - - - ACT- - - - - TTTG								69310
Donkey	AATGTTTAAAGAAAGGAGAAGGGTCGCTTTCTAAGAACAAAATTACTGTGAAAGCATGCCTAGGAGTTAAGACTGTATC								78094
Cat	----- AGACTCTCT- - - - - CTT- - - - - TTTT								75250
Ferret	----- AGTGTGTGTCTCTCTCGGTCTCT- - - - - CTCT								78168
Lion	----- AGACTCTC- - - - - T- - - - - TTTT								72923
Vaquita	----- AGTCTCG- - - - - ACT- - - - - TTTG								70606
Pig	----- AGTCCCTCT- - - - - ATT- - - - - TTTG								70409

Majority	TATATG- - TTGGAXATTTTC- - - CAXAACAA- - - - - AAAGTAAAA- - - - - TCTAAAAA- - - -								
	101850	101860	101870	101880	101890	101900	101910	101920	
Human	CCTAGGAATTAGGAATGTATACTTGACAACAAGTGAACGTATCCATTGAATGTTAAATGAGAACAACCTTATGGGGAGGAT								82016
PolarBear	TTAATG- - TTGGATATTTTC- - - CATAACAA- - - - - AGAGTAAAA- - - - - TCTAAAAA- - - -								40184
Cow	TATATG- - TTGGAAATTTTC- - - CAAAACAA- - - - - AGAGTAAAA- - - - - A- - - TCTAAAAA- - - -								77338
Dog	TTTATG- - TTGACTATTTTC- - - CGTAACAA- - - - - AGAGTAAAA- - - - - TCTAAAAA- - - -								70323
BelugaWhale	TATATG- - TTGGAAAATTTTC- - - CAAAACAA- - - - - AAAGTAAAA- - - - - TCTAAAAA- - - -								69353
Donkey	TTTATA- - TTTGACATTGGCAG- - CAAATTAAG- - - - ATATCCACTGAGTGTTAAATGAAGCAA- - - CCTATAAAGCTT								78162
Cat	TCTGTG- - TTGGATATTTTC- - - CATCACAA- - - - - AAAGTAGAA- - - - - TCTAAAAA- - - -								75293
Ferret	TTAATG- - TTGGATAATTTTC- - - CATAACA- - - - - GAGTAAAA- - - - - TCTAAAAA- - - -								78209
Lion	TATGTG- - TTGGATATTTTC- - - CATCACAA- - - - - AAAGTAGAA- - - - - TCTAAAAA- - - -								72966
Vaquita	TATATG- - TTGGAAAATTTTC- - - CAAAACAA- - - - - AAAGTAAAA- - - - - TCTAAAAA- - - -								70649
Pig	TATATG- - TTGGAAATTTTC- - - CAAAATAA- - - - - AAAGTAAA- - - - - TCTAAAAA- - - -								70452

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Majority	- ATAAAAX- - - - - TGGAGAAATAAG- - - - - AAAA- - - - - GGGGGGAATC	
	101930 101940 101950 101960 101970 101980 101990 102000	
Human	AGTGAGAGGTATAGTATTTAACATGGAAAAGTTAGTAATATAGTAGAATATTTGGTTGAAAAGATCCACATTGGTGTATT	82096
PolarBear	- AGAAAA- - - - - TAGAGAAATAA- - - - - AAA- - - - - AAGGGGAATC	40214
Cow	- ATAAAAT- - - - - TGAAGAAATAAT- - - - - AAAA- - - - - AGGGGGGACT	77371
Dog	- AGAAAA- - - - - TGGAGAAAGAAG- - - - - AAA- - - - - AAAAGGAATC	70354
BelugaWhale	- ATAAAAG- - - - - TGGAGAAATAAG- - - - - AAAAAAAGATGGGGAGGGAATC	69394
Donkey	AATGAGAGCTATGGTATTTAACATGGAGAAGTTAGTAATGCCCTGGAATAGTCAGTTAAAAAGATCCACACTGGTGGATC	78242
Cat	- ATAAGA- - - - - TGGAGAAATAAA- - - - - AAA- - - - - GGGGGAAATC	75324
Ferret	- AGAAAA- - - - - TGGAGAAATAAG- - - - - AAAA- - - - - AAGGGGAATC	78241
Lion	- ATAAGA- - - - - TGGAGAAATAAA- - - - - AAA- - - - - GGGGGAA- TC	72996
Vaquita	- ATAAAAG- - - - - TGGAGAAATAAA- - - - - AAAAGATGGGGGGGAGGGAATC	70690
Pig	- AGGAAAG- - - - - TGGAGAGATAAA- - - - - AAAG- - - - - GCGGGGAACC	70485

Majority	CCAAAAA- - - - - G- - TGGGTAA- - - - - A- T- AAGXACT- - - - -	
	102010 102020 102030 102040 102050 102060 102070 102080	
Human	CAAAGACACACTGAAGACTATTGTGCATTAGTAAGTATTAACATGAGAATTCTTAATTTTAAAATTGGACCCTAATTTC	82176
PolarBear	TGGAAAA- - - - - G- - TGGGCAA- - - - - A- - - AAGCACT- - - - -	40237
Cow	CCCAAAA- TA- - - - - T- - TGTAT- - - - - TGGGGGAG- - - - -	77394
Dog	TCGAAAA- - - - - G- - TGGGTAG- - - - - A- - - AAGTACT- - - - -	70377
BelugaWhale	CCCAAAAATG- - - - - G- - TATGTGGAGTGG- - - - - TGGTGGGGGACT- - - - -	69429
Donkey	CAAACAGACTGAAGACTACTATGCG- - TTAGTAAATACCAAACATGAAAGGTTTCTATTTTAAAATTAGATCCTTATTCA	78320
Cat	TCAAAAA- - - - - A- - TGGGCAA- - - - - A- - - AAGCACT- - - - -	75347
Ferret	TGGAAAA- - - - - G- - TGGGCAA- - - - - A- - - AGGCATT- - - - -	78264
Lion	TCAAAG- - - - - TGGGCAA- - - - - A- - - AAGCACT- - - - -	73017
Vaquita	CCCAAAAATG- - - - - G- - TATGTGGAGTGG- - - - - TGGTGGGGGACT- - - - -	70725
Pig	CCAAAAAATG- - - - - G- - TGTGTAGAAAAAACCTATAAAATAAACTCATAGGGGAGTTCCCATTTGTGGCG	70549

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Majority	----- A- AAAT----- A- -- AXCTC-----								
	102090	102100	102110	102120	102130	102140	102150	102160	
Human	TGAGATTTACTTTAAGAATAAAAAGGGGATGAAACGAGATTGGCCATGAGTTGATCATTGTTAAAGTTGGGTGATGGCTAC								82256
PolarBear	----- A- AAG----- CTC-----								40244
Cow	----- AAAAAC----- CTGTA- -- AACTC-----								77410
Dog	----- A- AAGT----- A- -- AGCTC-----								70388
BelugaWhale	----- ATAAAA----- T- -- A- -- AACTC-----								69442
Donkey	TGGGATTTACTTTAAAAATAAAATGGGTGAGTGGATGA- - - AACAAAGATTGGCCATTAGTTAATAGTTGTTAAACCAGTG								78397
Cat	----- A- AAAT----- A- -- AGCTT-----								75358
Ferret	----- A- AAA----- CTC-----								78271
Lion	----- A- AAAT----- A- -- AGTTT-----								73028
Vaquita	----- ATAAAA----- T- -- A- -- AACTC-----								70738
Pig	CATCAGAAATGAATCTGACTAGGACCCATGAGGTTGCA- - - AGTTCGATCCCTGGCCTCATTGGGTGAGGTTAAGGATCCA								70626

Majority	-----								
	102170	102180	102190	102200	102210	102220	102230	102240	
Human	TTAGAGTTGCATTATTTTAGTCACTTTTACTTTTGTATATGTTGGAAATCTTCCAAAACAAAATGTATAGCCATAAAAAA								82336
PolarBear	-----								40244
Cow	-----								77410
Dog	-----								70388
BelugaWhale	-----								69442
Donkey	TGATGGGTACATGGGGGTTCAATTATTCAAGTCTCTTTACTTTTATGTATGTTGAAAGTTTTCCAAAACAAAAAGTAAAAT								78477
Cat	-----								75358
Ferret	-----								78271
Lion	-----								73028
Vaquita	-----								70738
Pig	GCATTGCTGTGAGCTGTGGTGTAGGTCACAGCTGTGGCTTGGATCCTATGTTGCTGTGGCGTAGACCGGCAGCTACAGCT								70706

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Majority	----- ATCCAGAG								
	102250	102260	102270	102280	102290	102300	102310	102320	
Human	AAGGGAGCAAAGT	AAGAAAAAAGGAGAGCCT	AAAAAAAAGGTACAGGCAAAAAGGTGT	GAAAAGAAACTCATCAAGAG					82416
PolarBear	----- ATCCTCAG								40252
Cow	----- ACCCAGAG								77418
Dog	----- ATCCACAG								70396
BelugaWhale	----- ACACAGAG								69450
Donkey	CTAAAAAGTGGAAAAATAGGGAAAAAGGGGGAT	ACCCAAAAATGGT	GTTGGCAAAACTGTAAAATAAGCTT	GTTTAGAG					78557
Cat	----- ATCCACAG								75366
Ferret	----- ATCCACAA								78279
Lion	----- ATCCACAG								73036
Vaquita	----- ATACAGAG								70746
Pig	CCGATTAGACCCCTAGCTTGGGAACCTCCGCATGCCACAGGTGCAGCCCT	AAAAAAAACAAAAAAT	AAAACACAGAG						70786

Majority	CAAGATTGTAAAAAGAAA- - TATCATTCCACTGTTGGAGTGCTTACT- - - CAGAAAAGATAAAA- - - AAGAAATTGG- AG								
	102330	102340	102350	102360	102370	102380	102390	102400	
Human	CAAGAGTATTA	AATGAGAAA- CAT-	ATGCCACTGACAGAGTTCTCAGAAGAGATAAAGGCTGAATTA	AAAAAGAGATGGAG					82494
PolarBear	AAAGATTGAAAAA-	- - - - - TATTATTCCGCTGTTGTACTGCTCAGA-	- - - - - GAGAAGAGATAAAA-	- - - - - AAGAAATTGG-	- - - - - AG				40318
Cow	CTTGAACATATATGAGAAA-	- - - - - CACCATTCCACTGATGA-	- - - - - AAGGTACT-	- - - - - CAGTAAAGATCAA-	- - - - - AGGAAATCTG-	- - - - - AG			77487
Dog	AAAGATTGCAACAAA-	- - - - - TATAATTCCACTGTTGAACTGCTCATA-	- - - - - GAGAAGAGAT-	- - - - - AAGAAATTGG-	- - - - - AG				70460
BelugaWhale	CAAGAATGTAAGT	GAGAAA- CACCATTCTACTGATGGGGGAGGTACT-	- - - - - CAGAAAAGATAAAA-	- - - - - AGGAGATTGGGAG					69522
Donkey	CAAGATTGTAAAGGAGAAACATATCATTCCACTGAAGAA-	- - - - - T- - - - - ATT-	- - - - - CAGAAAGATAAAA-	- - - - - AGGAGATTGG-	- - - - - AG				78625
Cat	AAAGATTGAGAAAAA-	- - - - - TATCTTTCCACTGTTGGAGTGCTTA-	- - - - - GAAGAGATACA-	- - - - - AAGAAATTGG-	- - - - - AG				75429
Ferret	AAAGATTGGAAAAA	AAAAAAG- TATTATTCCACTGTTGAACTGCTTAGA-	- - - - - GAGAAAAAATAAAA-	- - - - - AAGAAATTGG-	- - - - - AG				78351
Lion	AAAGATTGAGAAAAA-	- - - - - TATCTTTCCACTGTTGGAGTGCTTA-	- - - - - GAAGAGATACA-	- - - - - AAGAAATTGG-	- - - - - AG				73099
Vaquita	CAAGAATGTAAGT	GAGAAA- CACCATTCTACTGATGGGGGAGGTACT-	- - - - - CAGAAAAGATAAAA-	- - - - - AGGAGATTGGGAG					70818
Pig	CAAGAATATAAATTAGAAA-	- - - - - CATCATTCCAATGTTAG-	- - - - - GAA- TACT-	- - - - - CAGAAAAGATAAAA-	- - - - - AGGAGATTGG-	- - - - - AG			70854

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Majority	GGAAAAATTTTGT AAGTCAAAAAC T XAAGAGGTTAAGAATTTGT GAATCTT - AAGAACCTT CAGACTGCCAATGAAAGGT								
	102410	102420	102430	102440	102450	102460	102470	102480	
Human	GGGAAAGTTTTATAAGTCAAAAAC TTA - - GGTTAAGGTTTTGTGAATATTAAAGAGCGCTTCAGATTGCCAATGAAAGGT								82571
PolarBear	GGAAAAAATTTTGT AAGTCAGAAACTGAAGAGATTAAGAATTTTGAATCTT - - - AACCTTTCAGACCATCAATGAAA - - -								40391
Cow	GGAAAATTTTTACAAGTCGAAAAC TAAAGAGGTTAAGAATTTGTCAATCCTGAAGAAGC - TTCAGCCTGCCAATAAAAGGT								77566
Dog	GGGGAAAATTTTGT AAGTTAGAAACTGAAGAGATTAAGATTTTGTGAATCTT - - - AACCTTTCAGACTATCAATGAAAGAT								70536
BelugaWhale	GGAAAAATTTTGT AAGTCAAAAAC TAAAGAAGTTAAGAATTTGT CAGTCTTCAAGAGCCGTT CACCCTGCCAATGAAAGGT								69602
Donkey	GTAAAAATTTTGT AAGTCAAAAAC TACAGAGGCTAAGAAAAGTGGCTCTTAAAGAACCATT CAGACTGCTAATGAAAGCC								78705
Cat	GGAAAAA - - TTAGAAGTCAGAAACTGAAGAGATTAAGAATTTGTGAATCTT - - - AACCTTTTAGACTGTCAGTGAAAGGC								75503
Ferret	GGAAAAA - TTTGTA - - - - GGAAC TGAAGAGATTAGGAATTTGTGAATCTC - - - AACCTTTCAGACTGTCAGTGAAA - - -								78418
Lion	GGAAAAA - - TTAGAAGTCAGAAACTGAAGAGATTAAGAATTTGTGAATCTT - - - AACCTTTTAGACTGTCAGTGAAAGGC								73173
Vaquita	GGAAAATTTTGT AAGTCAAAAAC TAAAGAAGTTAAGAATTTGT CAGTCTTCAAGAGCCGTT CACCCTGCCAATGAAAGGT								70898
Pig	GAGAAAATTTTATAAGTC - AAAACTAA - GAGGTTAAGAATTTGTTGATCTTCAAGAACCCTT CATACTGCCACTGAAAGGT								70932

Majority	CATXATAGTTTCTATAAAGTAAAAAGATTX - AAAAAA - - - - - CTTGGCT - AAAAGATTAA - GXGATCTGAAAC								
	102490	102500	102510	102520	102530	102540	102550	102560	
Human	CATAGTAGTTTCTATAAAGTCAAAGATC - - AAAAA - - - - - CTTGACTTAAAAGAGTAA - GATCTCTAAAAC								82635
PolarBear	- - TCATAGTTTCTATAAAGTAAAAAAGAAAAAACC AAA - - - - - CTTGGCC - AAAATACTA - - - - GATCTGAAAC								40458
Cow	CATAGTAGTTTCTGTAAAGTAAAAACAT - - - - - AAA - - - - - CGTGGCT - AAAAGAGTAA - - - GATCTGACAC								77624
Dog	CATCATAGTTTCTATAAAGTAAAAAGATTA AAAAAAAAAA - AAA - - - - - CTTGGCT - AAAATATTAA - GATACCTGAAAC								70607
BelugaWhale	CATAGT - - - TTCTGTAAAGTAAAAAGATAA - ACAA - - - - - CTTGGCT - AAAAGAGTAA - - - CATCTGAAAC								69661
Donkey	ATTTATAGTTCCTATAAAGTAAAAAGAT - - - AAAAA - - - - - CTTGGCT - AAAAGAATAA - GGTGTCTGAAAC								78768
Cat	CATCATAGTTTCTATAACATAAAAAGACTT AAAAAAAAAA - - - - - CTTGGCT - AAAATATTGA - GAGATCTGAAAC								75576
Ferret	- - TCATAGTTTCTATAAAGTAAAAAGATTTT AAAAAA - - - - - CTTGGCT - AAAATATTAAAGAGATCTGAAAC								78484
Lion	CATCATAGTTTCTATAACATAAAAAGACTT AAAAAAAAAA AAAAAA AACTTGGCT - AAAATATTGA - GAGATCTGAAAC								73251
Vaquita	CATAGT - - - TTCTGTAAAGTAAAAAGATAA - ACAA - - - - - CTTGGCT - AAAAGAGTAA - - - CATCTGAAAC								70957
Pig	CATAGTAGTTTCTGTAAAGTAAAAGGATTTT AAAAA - - - - - CTTGGCT - AAAAGATTAA - - - GATCTGAAAC								70995

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Majority	TATCATGGGAAGAAXAAAAA- AACATATAATTCAT- - TTCTTTAGTGAAC TAATATTTATTGAGAAATAAGCTGG- TAT								
	102730	102740	102750	102760	102770	102780	102790	102800	
Human	TATGTTGGGAAGA-	TAAAAAGAACATATAATTCGT-	- TTCTTGAGTGAACCAGTATTTAT-	GAGAAATAAGCTGGGTGT	82862				
PolarBear	TTTCATGGAAGGA-	- - - - - GA- AAAATATAATTCAT-	- T- - - - - AGTGAAC TAGTATTTATTGAGATATAAACTGG-	TAT	40676				
Cow	TATCATGGAAAGAAAAA-	- - CATGTAATTTGTTTTTTTTT	AGTGAAC TAATATTTATTAAGAAATAAGTTAG-	TAT	77847				
Dog	TTAATGGGAAGGA-	- - - - - GA- AAAATACAATTCAT-	- TTCATTAGTGAAC TAACATTTATTGAAATATAAGCTGG-	TAT	70831				
BelugaWhale	TATCATGAGAAGGAAAAAAGAACATATAACTCAT-	- TTCTTTAGTAAAC TAATATTTATTGAGAAATAAGCTGG-	TAT	69892					
Donkey	TATCATGGGAAGGAGAAGAAG-	TACATGTAATTCAT-	- TTCTTTAGTGAAC TA- - - - TATTGAGAAATAAGCTGG-	TAT	78993				
Cat	TTTCATGGGAAGAATAAAAGT-	AACATACAATTTAC-	- TTCATTAGTGAAC TAATATGTATTGAGGAATCAGCTGG-	TAT	75805				
Ferret	TTTCATGGGAAG-	- - - - - GA- GAAAAATAATTGAT-	- T- - - - - AGTGAAC TAGTATTTATTGAGATATAAACTGG-	CAT	78702				
Lion	TTTCGTGGGAAGAATAAAAGT-	AACATACAATTTAC-	- TTCATTAGTGAAC TAATATGTATTGAGGAATCAGCTGG-	TAT	73480				
Vaquita	TATCATGAGGAGGAAAAAAGAACATATAACTCAT-	- TTCTTTAGTAAAC TAATATTTATTGAGAAATAAGCTGG-	TAT	71188					
Pig	TATCATGGGAAGAAGAAAAAT-	- - CGTGTA- - - - - TTCTTTAGTGAAC TAGTATTTATTGAGA-	- - - - AGCTGG-	TAT	71211				

Majority	GTAAGAATTTAAGGGATGAAAGGATTCCXAGTTTATTXTT- - AATTGAAATGTGGATAAAAGATGCTGAGACAAAAGG- A								
	102810	102820	102830	102840	102850	102860	102870	102880	
Human	GTAAGAATTTAAGGGATGAAAATATTCCAAGTTGATTGGT-	- AATTGAAAAGTAGATGAACGGTGCTAACACAAAAGGGA	82940						
PolarBear	GTAAGAATTTAAGGGAGGGAAGGATTTTGAGTTTATTCTT-	- AATTGTAATGTGGATAAAAGATGGTGCGACAAAAGA-	-	40752					
Cow	GTAAGAATATAAGGAATGAAAGGAATCAAAGTTATTAAT-	- TGTTGAAAAGTAGATTAAGATGCTGAGACAAAGGG-	A	77924					
Dog	GTAAGAATTTAAGGGATGGAAGGATTTTGAGTTTATTCTT-	- AATTAGAATGTGAATAAAAGATGGTGAGACAAAAGA-	-	70907					
BelugaWhale	GTAAGAATTTAAGGGATGAAAGGAATCCAAGTTTATTGAT-	- AATTGAAATACGGATAAAAGATGCTGAGACAAAGGG-	A	69969					
Donkey	GTAAGAATTTAAGGAATGAAAGAATTCTGA- TTGCTT-	- - - - AATTGAAAAGTGAATAAAA- ATGTTGAGACAAAAGGGA	79066						
Cat	GTAAGAATTTAAGGGATGAAAGGATTTAGAGTTCATTCTTTAATTGGAACGTGGATAAAAGATGCTGAGACAAAAGAGA	75885							
Ferret	CTAAGAATTTAAGGGAGGGAAGGATTTGTGGTTTATT-	- - - - AATTACAATGTGGATAAAAAGGTTGAGACAAA-	- - -	78773					
Lion	GTAAGAATTTAAGGGATGAAAGGATTTAGAGTTCATTCTTTAATTGGAACGTGGATAAAAGATGCTGAGACAAAAGAGA	73560							
Vaquita	GTAAGAATTTAAGGGATGAAAGGAATCCAAGTTTATTGAT-	- AATTGAAATACGGATAAAAGATGCTGAGACAAAGGG-	A	71265					
Pig	GTAAT- - - - TAA- - - - GAAAGGAATCCAAGTTTATTGGT-	- AATCGAAAAGTGAATAAAAGATGCTGAAACAAAAT-	A	71279					

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Majority	ATTCTXTCTAGAA- - TAAATGAA- - - - - GTATCTTAAAGATGATAGAACAACAGTAAGACTGGAAAGTAGAACAATAGA								
	102890	102900	102910	102920	102930	102940	102950	102960	
Human	ATTCTGTCTAGAA- - TAAATGAAAATATGGT	GACTTAAAGATAGT	AGGACAGCAAT	AAGACTGGAAATT	TAGAACAATA-	A			83017
PolarBear	ATTCTTTTCGTGAA- - TAAATGACTGGC- -	ATATCTTAAAGAT	GATAGAAGAACAGT	AAGACTGGAAAAT	TAGAACAGT	AGA			40828
Cow	ATTCTGT- - GGAA- - TAAATGAA- - - - -	GAATCCTGAAGAT	GACAGAGCAAT	AGTAAGACTGGAAAGT	TAGAACAGT	AGA			77994
Dog	ATTCTCTCTAGAGAGCAAATGATTAGC- -	ATATTTTAAA- - - - - - - - - -	CAACAG- - - -	ACTGGAAAACA- -	ACAATAGA				70969
BelugaWhale	ATTCCGT- - GGAA- - TAAATGAA- - - - -	GAATCCTGAAGAT	GACAGAACAACAGT	AAGACTGAAAAGT	TAGAACAGT	AGA			70039
Donkey	ATTCTTTGTAGAA- - TAAGTGAA- - - - -	GTATCTCAAAGAT	GATAAAAACAACAGCAAGACT	GGAAAGTAG- -	AATTGA				79135
Cat	ATTCTCTCTAGAG- - TGAA- GACTGGC- -	ATATCTTAAAGAT	GATAGAACAACAGT	AAGACTGGAAAAT	TAGAACAAT	AGA			75960
Ferret	- TTCTCTCTAGAA- - TAAATGAA- - - - -	GTATCTTAAAGAT	GCTAGAACAACAGT	AAGACTGGAAAGT	TAGAGCAAC	AGA			78844
Lion	ATTCTCTCTAGAG- - TGAA- GACTGGC- -	ATATCTTAAAGAT	GATAGAACAACAGT	AAGACTGGAAAAT	TAGAACAAT	AGA			73635
Vaquita	ATTCCGT- - GGAA- - TAAATGAA- - - - -	GAATCCTGAAGAT	GACAGAACAACAGT	AAGACTGGAAAGT	TAGAACAGT	AGA			71335
Pig	ATTCT- - - - TGAA- - TAAATGAG- - - - -	GAACCCTGAAGAT	GATAGAACAACAGT	AAGACTGGAAAGT	TAGAACAGT	AGA			71347

Majority	AATAAGAAGGAAATGTTAAAA- CTGGTAGGTAAGGATAGG- - - - AAAATACTGAAAGAGAAAAGCXTGTGTGATA- CAG								
	102970	102980	102990	103000	103010	103020	103030	103040	
Human	AATAAGAAGGAAATGATAACA-	TAGATTGGGAAAGGATAGG-	- - - -	AAAATACTGAA-	-	ACAAAATCTGTGTTGTA-	TAG		83088
PolarBear	AAT- - - AAGGAAATGTTAAAA-	CTGGTAGGCAAAAAGATAGG-	- - - -	AAAAGACTGAAAGAGAAAAGCCTTGCATGTTAACAG					40899
Cow	AATAAGAAGGAAATGTTCAAAA-	CTGGTAGGTAAGGATAGG-	- - - -	AAAATACTGG-	- - - - - - - - - - - - - -	TGTGCTA-	TAT		78054
Dog	AAT- - - AAAGAAATGTTAAAA-	CTGGTAGGGGAAAGGAAAA-	- - - -	GA-	- - - -	CTGAAAGAGAAAAGCATGCATGATA-	CAG		71035
BelugaWhale	AATAAG- - - GAAATGTTAAAA-	CTGGTAGGTAAGGATAGG-	- - - -	AAAATATTGAAAGAGAAAAGCCTTGTGTGATA-	TAG				70109
Donkey	AATAAGAAGGAAATGTTAAAG-	TTGGTAGGTTAGGTAAGGGTAGAAAAATACTGAAAGAGAAAA-	-	TGTGTGATA-	CGG				79211
Cat	AATGAGAAGGAAATGTTAAAA-	CTGGTAGGCAAAAATGTGGGG-	- - -	AAAATACTGAAGGAGAAAAGCCTGTGTGGATACGG					76035
Ferret	AAT- - - AATGAAATGTTAAAA-	CTGGTAGGCTAAAGATAGG-	- - - -	AA-	- - - - -	GAAAGAGAAAAGCCTTGTGTATTAACAG			78909
Lion	AATGAGAAGGAAATGTTAAAA-	CTGGTAGGCAAAAATGTGGG-	- - - -	AAAATACTGAAGGAGAAAAGCCTGTGTGGATACGG					73709
Vaquita	AATAAG- - - GAAATGTTAAAA-	CTGGTAGGTAAGGATAGG-	- - - -	AAAATATTGAAAGAGAAAAGCCTTGTGTGATA-	TAG				71405
Pig	AATAAG- - - GACATGTTAAAAACTGATGATTAAGGATAGG-	- - - -	ACCATTCTGAAAGAGAAAAGCCTATGCGTTA-	CAG					71418

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Majority	TGA- CXTTCTCATTCTTTCTACTGGGAAATGTTXTGTTGAGAACTTG- - - TGTTTCAT- - TATAACTACTTGAGTG										
	103050	103060	103070	103080	103090	103100	103110	103120			
Human	TGA- TGGTTTCTTGTTCTTTCAACCGGGAGAGTGTGTGTTGAAGGACTTG- - - TATTCAT- - TTTAATTACTTGAGTG										83162
PolarBear	TGA- CATTTTCTCAATCTTCCTATTGGGAAATGTTGTATTTGAGAGATTTGTTGTGTTTCAT- - - TATAACTACTTGAGTG										40976
Cow	TGA- CTTTCTCTTATTCTTTCTGTGGGGCAAATGTTGTGTTTGAAGACTTA- - - TATT- - - - - ACACCTACCTGAGTA										78124
Dog	TGA- CGTTTTCTCAATCTTCCTACTGGGAAAT- - - - - TTGAGAAATTTGTTGTGTGTGTTACAACACTACATGAGTG										71107
BelugaWhale	AGA- CTTTTTCTCATTCTTTCTACGGGGGAAGTGTGTGAATTGAGAACTTG- - - TGTT- - - - - ATACCTATTTGAGTG										70179
Donkey	TGA- TGTTTTCTCATTCTTCCTGCTGGGAAAGTATCATGTTTGGGAACTTG- - - CGTTTCAT- - - TATAACTACTTGAATG										79285
Cat	TGA- CGTTTTCTCATTCTTCCTACTGGGAAATG- - - TGTTTGGAGAAATTTGTTGTGTTTCAT- - - TATGACTGCTTGAATG										76109
Ferret	- - - - - ACTGGGAAATG- - - TGTTTGGAGAAATTTGTTGTGTTTCAT- - - TATAACTACTTGAATG										78962
Lion	TGA- CATTTTCTCATTCTTCCTACTGGGAAATG- - - TGTTTGGAGAAATTTGTTGTGTTTCAT- - - TATGACTACTTGAATG										73783
Vaquita	AGA- CTTTTTCTCATTCTTTCTACGGGGGAAGTGTGTGAATTGAGAACTTG- - - TGTT- - - - - ATACCTATTTGAGTG										71475
Pig	TGA- ACTTTTTCTCATTGTTTCTACTGGAGGAGTGT- - - TTTTCAAGAACTTA- - - TACTTAG- - - TATAACTACTCAAGTG										71490
Majority	TGGAATTAAG- - - GCAAACAAATTTTGGTAAGATTTTCTTTAGGTCATTTGAATGAATTA- - - AATAATG- ATGTTTCAG										
	103130	103140	103150	103160	103170	103180	103190	103200			
Human	TATAATTAAGAAGGCAAGCACATTTTGGTAAGATTTTCTTT- - - - - ATTTGCATGAATTA- - - - - AATAATG- ATGTTTCAG										83232
PolarBear	TGAAATTAAG- - - GCAGATAAACTTG- GTAAGATTTTCTTTAGGTCATTTGAATGAATTAATTAATAATG- ATGTTCCG										41051
Cow	TGGAATTAAG- - - GAAAACAAATTTTGGTAAGATTTTCTTTAGGTCAGTTGAATACATTA- - - - - TATAATGTATGTTCAA										78197
Dog	TGAAATTAAG- - - GCAAACAAACTTTGGTAAGGTTTTCTTCAGGTCATTTGAATGAATTA- - - - - AATAAT- - - - - TCAG										71174
BelugaWhale	TGGAATTAAG- - - GAAAACAGATTATGGTAAGATTTTCTTTAGGTCAGTTGAATTAATTA- - - - - AATAATG- ATGTTTCAG										70251
Donkey	TGGAATTCAG- - - GCAAACAAATTCTGGTAAGATTTTCTTTAGGTCATTTGAATGAATTA- - - - - AATAATG- ATGTTTCAT										79357
Cat	TGGAATTAAG- - - GCAAACAACTTCTGTAAGATTTTCTTTAAGTCATTTGAATGAA- - - - - ATAATG- ATGTTTCAG										76177
Ferret	TGAAATTAAG- - - GCAAATAAACTTTGGAAGTTTTTCTTTAGGTCATTTGAATGAATTA- - - - - AATAATG- ATGTTCCG										79034
Lion	TGGAATTAAG- - - GCAAACAACTTCTGTAAGATTTTCTTTAAGTCATTTGAATGAATTA- - - - - AATAATG- ATGTTTCAG										73855
Vaquita	TGGAATTAAG- - - GAAAACAGATTATGGTAAGATTTTCTTTAGGTCAGTTGAAT- - - - - TA- - - - - AATAATG- ATGTTTCAG										71543
Pig	TGGAATTAG- - - - - AA- - - - CAAATTTTG- TAAGTTTTTCTTTAGGTCAGTTAATGAATTA- - - - - AATAGTG- AGGTTCAA										71557

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Majority	GGTGATTT- GTCTCTAAGAACTGAAGGACTTAC- - TATATTTGTTTCATAAGCTGTAATT- XTXTG- - - A- TTTCAAGTA								
	103210	103220	103230	103240	103250	103260	103270	103280	
Human	AGTGATTT-	GTCTCTAGGAGCTGAAAGAC-	TAC-	TACCTTTGTTTCATAAGCTGTAATT-	ATTTG-	- - -	ATTTCAAGTG		83303
PolarBear	GGTGATAT-	GTCTCCAAGAACAGAAGAACTTAC-	TATATT-	GTTTCATAAGCTGTAATT-	GTCTG-	- - - - -	CAAGTA		41118
Cow	GGTGATTT-	GTTTCTAAGAAT- GAAGAATTTGC-	TATATATGTTTTGTGAGCTATAATT-	GTCTG-	- -	A-	TTTCAAGTA		78268
Dog	GGTGATGT-	GTCTCCAAGAGCTGAAGAACTTAC-	GATATGTGTTTCAGAAGCTGTAATT-	GTCTG-	- -	A- T-	TTCAAG		71244
BelugaWhale	GGTGATTTTGTCTCTAAAAAT-	GAAGGACTTAC-	TATATATGTTTTGTAAGCTGTAATT-	ATTTGTCTAATTTCAAGCA					70327
Donkey	GGTGATTC-	GTCTCTAGGAACTGAAGGACTTAAC-	TATATTTGCTTCATAAGCTACTATTTATTTG-	- - -	ATTTCAAGTG				79431
Cat	GGTGATAG-	GTCTCCAAGAACTGAAGGACTTA-	- -	ACTGTTTGTTTCATAAGCTGTAGCT-	GTCCG-	- -	G- TTTCAAGTA		76248
Ferret	GGTGATAT-	GTCCCCAAGAACTGAAGAACTTAT-	TATATTTGTTTCATAAGCTGTAAT-	- - - - -	CACATG				79096
Lion	GGTGATAG-	GTCTCCAAGAACTGAAGGACTGACTTACTGTTTGTTCATAAACTGTAGCT-	GTCTG-	- -	G-	TTTCAAGTA			73929
Vaquita	GGTGATTTTGTCTCTAAAAAT-	GAAGGACTTAC-	TATATATGTTTTGTAAGCTGTAATT-	ATTTGTCTAATTTCAAGCA					71619
Pig	GAAGATTT-	GTCTCTT- - AAC- GAAA- - -	TAC-	TGTGTATGTTTTTAAAGCTGAAATT-	ATTTG-	- -	A- TTTCAAGTA		71622

Majority	TGAGTTTATGAAGAAGATAGCACTTGTATAAAAAAXTGT- GAGTTACTGTTXTGTTGAAGATGATXTTTATTTTAGATGT								
	103290	103300	103310	103320	103330	103340	103350	103360	
Human	TGAGTTTATGAAGAAGATAGCACTTGC	GAAAAAAGT-	- -	GAATTACCATTATGTCGAAAGTGATACTTTTTTT-	ACATTT				83379
PolarBear	TGAGTTTATGAAGAAGATAGCACTTGTATAACAATGTATTGAGTTA-	- - - -	TTGTTGAAGATGAT-	- - -	ATTTTAGATGT				41189
Cow	- - AGTTTATGAAGAAGATAGCACTTGTT-	- - - - -	ATTTTTTT-	- - - -	TAGATTTGACTCCTC-	- - - -	ACTAT		78322
Dog	TGAGTTTATGAAGAAGATAGCACTTGTCTAAAAAAGTGTTGAGTTA-	- - - -	CTGTTGAAGATGATACTTATTTTTGGATGT						71319
BelugaWhale	C- - GTTTATAAAGAAGGTAGCACTTGTATAAAAAA-	- GT-	GAGTTACTGTTATGTTGAAGATGATTTTTTTTTTTAGATTT						70402
Donkey	TGAGTTTATGAAGA-	- - TAGCACTTGTGTAACAAT-	- -	GAGTTACTGTTATGTTGAAGATGATA-	-	TTTTTTAGCTTT			79503
Cat	TGAGTTTATGAAGATGATAGCACTTGTAGAAAAAAGTGT-	GAGTTACTGTTTTGTTGAAGATGATATTTATTTTAGATGT							76327
Ferret	TGAATTTATGAAGAAGATAGCATTGTATAGTA-	- -	TGTTGAGTTA-	- - - -	TTGTTGAAGATATTT-	- -	ATTTTAGATGT		79165
Lion	TGAGTTTATGAAGATGATAGCACTTGTAGAAAAAAGTGT-	GAGTTACTGTTTTGTTGAAGATGATATTTATTTTAGATGT							74008
Vaquita	C- - GTTTATAAAGAAGGTAGCACTTGTATAAAAAA-	- GT-	GAGTTACTGTTATGTTGAAGATGATTTTTTTTTTT-	AGATTT					71693
Pig	TGAGTTTATGAAGAAGACAGCATTGT	TTTTAAAAA-	- GT-	GAGTTACTAT-	- - - -	TGAAGATGACTATTG-	- - - -	AATAT	71689

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Majority	GGCTTCTXGCTATAAACCATGGAAGTGAATTTTCAA- - - - GTCTCTGACTTGGAATX- - - - - ATATTCTTTA- TG								
	103370	103380	103390	103400	103410	103420	103430	103440	
Human	GGCCTTTTACTGTAAATCGT	GGAAGTGAATTTTCAA- - - -	GCCTGTGACTTGGAATT- - - - -	ATATTTTTCATG	83445				
PolarBear	GCCTTCTTGCTATAAACCAT	GGAAGTGAATTTTCAA- - - -	GTTTCTGACTTAGAAAA- - - - -	TATATTCTTTA- TG	41256				
Cow	G- - - - - - - - - - T	GAACCATGGAAGTGAATTTTATAA- - - -	GTCTCTGACTTGGAAGT- - - - -	ACATTCTTTT- TG	78377				
Dog	GATTTCTTGCTGTAAACCAT	GGAAGTGAATTTTCAA- - - -	GTTTCTGACTTAGAAATA- - - - -	TCATTCTTTA- TG	71386				
BelugaWhale	GGCTCCTCACTATGAACCAT	GGAAGTGAATTTTCAA- - - -	GTCTCTGACTTGGAAGT- - - - -	ATATTCTTTA- TG	70468				
Donkey	GGCTTCTCACTGTAAACCAT	GTAAGTGAATTTTCAA- - - -	GTCTCTGACTTGGAATAT- - - - -	TATATTCTTTG- TG	79572				
Cat	GGCTTCTTGCTATAAACCGT	GGAAGTGAATTTTCAA- - - -	ATCTCTGATTTAGAAATAT- - - - -	TACATCCTTTA- TG	76396				
Ferret	GCCTACTCGGTATAAACCAT	GGAAGTGAATTTTTCAG- - - -	GTTTCTGACTTAGAAATAT- - - - -	CATATTCTTTA- TG	79234				
Lion	GGCTTCTTGCTATAAACCGT	GGAAGTGAATTTTCAA- - - -	ATCTCTGATTTAGAAATAT- - - - -	TACATCCTTTA- TG	74077				
Vaquita	GGCTCCTCACTATGAACCAT	GGAAGTGAATTTTCAA- - - -	GTCTCTGACTTGGAAGT- - - - -	ATATTCTTTA- TG	71759				
Pig	GGGCCTCCCTATAAACCACAGAAGT	GAATTTTCAAAGTCAGTTTTCCAGTTGAAAGGTTGGAGAAATGTTTTTTTATG	71769						

Majority	CTTTGTTTGCTTTTCCATAGGAAATGGAATATTGTATATTTAATTTTTT- - AACATAATACAGGTATGTACCTTAGTTCT								
	103450	103460	103470	103480	103490	103500	103510	103520	
Human	CTTTGTTTGCTTTTCCAGAGGAAATAGAGTATTATATATTTGATATTTT- -	AACATAATACAGGTATGTACTTTAGTTCA	83523						
PolarBear	CTTTGTTTGCTTTTCCATAGGAAATGGAATATTGTATATTTAATTTTTT- -	AGCATACTACAGGTATGTACCTTAGCCCT	41334						
Cow	CTTTGTTTGCTTTTCCATAGGAAATGGAATGTTATATATTTAATTTGT- -	GACATAATACAGGTATGTACCTTGGTTCT	78454						
Dog	CTT- - - - TGCTTTTCCATAGGAAATGGAATATTGTATATTTAATTTTTT- -	AACATACTACAGGTATGTACCTTAGCCCT	71460						
BelugaWhale	CTGTGTTTGCTTTTCCATAGGAAATGGAATGTTGTATATTTAATTTTTTTTAAACATAATACAGGTATGTACCTTAGTTCT	70548							
Donkey	TTTTGTTTGCTTTTCCATAGGAAATGGAATGTTGTATTTAATTTTTT- -	AACATAATACAGGTATGTACCTTAGTTCT	79650						
Cat	CTTTGTTTGCTTTTCCATAGGAGATGGAATATGGTATATTTAATTTTTT- -	AACATA- - - CAGGTATGTACCTTAGCCCT	76471						
Ferret	CTTTGTTTGCTTTTCCATAGGAAATGGAATATTGTATTTAATTTTTT- -	AGCATACTACAGGTATGTACCTTAGCCCT	79312						
Lion	CTTTGTTTGCTTTTCCATAGGAGATGGAATATGGTATATTTAATTTTTT- -	AACATA- - - CAGGTATGTACCTTAGCCCT	74152						
Vaquita	CTGTGTTTGCTTTTCCATAGGAAATGGAATGTTGTATATTTAATTTTTTTTAAACATAATACAGGTATGTACCTTAGTTCT	71839							
Pig	TTTTGTTTGCTTTTCCATAGGAAATGGAATGTTGTATATTTAATTTTTT- -	AACATAATACAGGTATGTACCTCAGTTCT	71847						

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Majority	CGACTTGTGTGTGTTTTCGTAAAATATGCTTTATTTTAAAATTAGGGCTTCCTGTTGCAGCTGTTCCAGGAGCTCTGAGTC								
	103690	103700	103710	103720	103730	103740	103750	103760	
Human	CGACTTGTGTGTGTTTTCGTAAAATATGCTTTATTTTAAAATTAGGGCTTCCTGTTGCAGCTGTTCCAGGAGCTCTGAGTC								83756
PolarBear	CGACTTGTGTGTGTTTTCGTAAAATATGCTTTATTTTAAAATTAGGGCTTCCTGTTGCAGCTGTTCCAGGAGCTCTGAGTC								41572
Cow	CGACTTGTGTGTGTTTTCGTAAAATATGCTTTATTTTAAAATTAGGGCTTCCTGTTGCAGCTGTTCCAGGAGCTCTGAGTC								78679
Dog	CGACTTGTGTGTGTTTTCGTAAAATATGCTTTATTTTAAAATTAGGGCTTCCTGTTGCAGCTGTTCCAGGAGCTCTGAGTC								71699
BelugaWhale	CGACTTGTGTGTGTTTTCGTAAAATATGCTTTATTTTAAAATTAGGGCTTCCTGTTGCAGCTGTTCCAGGAGCTCTGAGTC								70774
Donkey	CGACTTGTGTGTGTTTTCGTAAAATATGCTTTATTTTAAAATTAGGGCTTCCTGTTGCAGCTGTTCCAGGAGCTCTGAGTC								79888
Cat	CGACTTGTGTGTGTTTTCGTAAAATATGCTTTATTTTAAAATTAGGGCTTCCTGTTGCAGCTGTTCCAGGAGCTCTGAGTC								76705
Ferret	CGACTTGTGTGTGTTTTCGTAAAATATGCTTTATTTTAAAATTAGGGCTTCCTGTTGCAGCTGTTCCAGGAGCTCTGAGTC								79546
Lion	CGACTTGTGTGTGTTTTCGTAAAATATGCTTTATTTTAAAATTAGGGCTTCCTGTTGCAGCTGTTCCAGGAGCTCTGAGTC								74386
Vaquita	CGACTTGTGTGTGTTTTCGTAAAATATGCTTTATTTTAAAATTAGGGCTTCCTGTTGCAGCTGTTCCAGGAGCTCTGAGTC								72069
Pig	CGACTTGTGTGTGTTTTCGTAAAATATGCTTTATTTTAAAATTAGGGCTTCCTGTTGCAGCTGTTCCAGGAGCTCTGAGTC								72080

Majority	CTTTGGCTATTCCAAATGCTGCTGCAGCAGCTGCTGCAGCTGCTGCTGGCCGAGTGGGTATGCCTGGAGTCTCAGCTGGT								
	103770	103780	103790	103800	103810	103820	103830	103840	
Human	CTTTGGCCATTCCAAATGCTGCTGCAGCAGCTGCTGCAGCTGCTGCTGGCCGAGTGGGTATGCCTGGAGTCTCAGCTGGT								83836
PolarBear	CTTTGGCTATTCCAAATGCTGCTGCAGCAGCTGCTGCAGCTGCTGCTGGCCGAGTGGGTATGCCTGGAGTCTCAGCTGGT								41652
Cow	CTTTGGCTATTCCAAACGCTGCTGCAGCAGCTGCTGCAGCTGCTGCTGGCCGAGTGGGTATGCCTGGAGTCTCAGCTGGT								78759
Dog	CTTTGGCTATTCCAAATGCTGCTGCAGCAGCTGCTGCAGCTGCTGCTGGCCGAGTGGGTATGCCTGGAGTCTCAGCTGGT								71779
BelugaWhale	CTTTGGCTATTCCAAATGCTGCTGCAGCAGCTGCTGCAGCTGCTGCTGGCCGAGTGGGTATGCCTGGAGTCTCAGCTGGT								70854
Donkey	CTTTGGCTATTCCAAATGCTGCTGCAGCAGCTGCTGCAGCCTGCTGGCCGAGTGGGTATGCCTGGAGTCTCAGCTGGT								79968
Cat	CTTTGGCTATTCCAAATGCTGCTGCAGCAGCTGCTGCAGCTGCTGCTGGCCGAGTGGGTATGCCTGGAGTCTCAGCTGGT								76785
Ferret	CTTTGGCTATTCCAAATGCTGCTGCAGCAGCTGCTGCAGCTGCTGCTGGCCGAGTGGGTATGCCTGGAGTCTCAGCTGGT								79626
Lion	CTTTGGCTATTCCAAATGCTGCTGCAGCAGCTGCTGCAGCTGCTGCTGGCCGAGTGGGTATGCCTGGAGTCTCAGCTGGT								74466
Vaquita	CTTTGGCTATTCCAAATGCTGCTGCAGCAGCTGCTGCAGCTGCTGCTGGCCGAGTGGGTATGCCTGGAGTCTCAGCTGGT								72149
Pig	CTTTGGCTATTCCAAACGCTGCTGCAGCAGCTGCTGCAGCTGCTGCTGGCCGAGTGGGTATGCCTGGAGTCTCAGCTGGT								72160

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Majority	GGCAATACAGTCCTGTTGGTTAGCAATTTAAATGAAGAGGTTAGTAAAATAATTTTCTAATGTTTATTCTTT- AACTCCA										
	103850	103860	103870	103880	103890	103900	103910	103920			
Human	GGCAATACAGTCCTGTTGGTTAGCAATTTAAATGAAGAGGTTAGTAAAATAATCT- CTAATGTTTATTCTTT- AACTCCA										83914
PolarBear	GGCAATACAGTCCTGTTGGTTAGCAATTTAAATGAAGAGGTTAGTAAAATAATTTTCTAATGTTTATTCTTT- AACTCCA										41731
Cow	GGCAATACAGTCCTGTTGGTTAGCAATTTAAATGAAGAGGTTAGTAAAATAATTTTCTGATGTCTATTTTTT- AACTCCA										78838
Dog	GGCAATACAGTCCTGTTGGTTAGCAATTTAAATGAAGAGGTTAGTAAAATAATTTTCTAATGTTTATTCTTT- AACTCCA										71858
BelugaWhale	GGCAATACAGTCCTGTTGGTTAGCAATTTAAATGAAGAGGTTAGTAAAATAATTTTCTAGTGTTTATTTTTT- AACTCCA										70933
Donkey	GGCAATACAGTCCTGTTGGTTAGCAATTTAAATGAAGAGGTTAGTAAAATAATTTTGTAAATGTTTATTCTTT- AACTCCA										80047
Cat	GGCAATACAGTCCTGTTGGTTAGCAATTTAAATGAAGAGGTTAGTAAAATAATTTTGTAAATGTTTATTCTTT- AACTCCA										76864
Ferret	GGCAATACAGTCCTGTTGGTTAGCAATTTAAATGAAGAGGTTAGTAAAATAATTTTCTAATGTTTATTTTTTAACTCCA										79706
Lion	GGCAATACAGTCCTGTTGGTTAGCAATTTAAATGAAGAGGTTAGTAAAATAATTTTGTAAATGTTTATTCTTT- AACTCCA										74545
Vaquita	GGCAATACAGTCCTGTTGGTTAGCAATTTAAATGAAGAGGTTAGTAAAATAATTTTCTAGTGTTTATTTTTT- AACTTCA										72228
Pig	GGCAATACGGTCCTGTTGGTTAGCAATTTAAATGAAGAGGTTAGTAAAATAATTTTCTAGTGTTTATTTTTT- AACTCCA										72239

Majority	TTTCATTTGTGAAAGTTTTTCATGTTTATTTCAATTTGCACTTGCCTTTCTTTTTATGTACATTCATTAGTCAAAGTATT										
	103930	103940	103950	103960	103970	103980	103990	104000			
Human	TTTCATTTGTGAAAGTTTTTCATGTTTATTTCAATTTGCACTTGCCTTTCTTTTTATGTACATTCATTAGTCAAAGTATT										83994
PolarBear	TTTCATTTGTGAAAGTTTCTCATGTTTATTTCAATTTGCACTTGCCTTTCTTTTTATGTACATTCATTAGTCAAAGTATT										41811
Cow	TTTCATTTGTGAAAGTTTTTCATGTTTATTTCAATTTGCACTTGCCTTTCTTTTTATGTACATTCATTAGTCAAAGTATT										78918
Dog	TTTCATTTGTGAAAGTTTCTCATGTTTATTTCAATTTGCACTTGCCTTTCTTTTTATGTACATTCATTAGTCAAAGTATT										71938
BelugaWhale	TTTCATTTGTGAAAGTTTTTCATGTTTATTTCAATTTGCACTTGCCTTTCTTTTTATGTACATTCATTAGTCAAAGTATT										71013
Donkey	TTTCATTTGTGGAAGTTTTTCATGTTTATTTCAATTTGCACTTGCCTATCTTTTTATGTACATTCATTAGTCAAAGTATT										80127
Cat	TTTCATTTGTGAAAGTTTCTCATGTTTATTTCAATTTGCACTTGCCTTTCTTTTTATGTACATTCATTAGTCAAAGTATT										76944
Ferret	TTTCATTTGTGTAAGTTTCTCATGTTTATTTCAATTTGCACTTGCCTTTCTTTTTATGTACATTCATTAGTCAAAGTATT										79786
Lion	TTTCATTTGTGAAAGTTTCTCATGTTTATTTCAATTTGCACTTGCCTTTCTTTTTATGTACATTCATTAGTCAAAGTATT										74625
Vaquita	TTTCATTTGTGAAAGTTTTTCATGTTTATTTCAATTTGCACTTGCCTTTCTTTTTATGTACATTCATTAGTCAAAGTATT										72308
Pig	TTTCATTTGTGGAAGTTTTTCATGTTTATTTCAATTTGCACTTGCCTTTCTTTTTATGTACATTCATT- G- - AA- GTATT										72315

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Majority	TTCTGTATGTTTCTACTTCTGAATAAAATCTATGTACTTGTTTAGGTAATAAXTTATTTTCCTTAGACAGTCATATCT- - -	
	104010 104020 104030 104040 104050 104060 104070 104080	
Human	TTCTGTATGTTTCTACTTCTGAATAAAATCTACATA- TTGTTTAGGTAATACTTTATTTTCCTTAAACAGTCATGTCT- - -	84070
PolarBear	TTATGTATGTTTCTACTTCTGAATAAAATCTATGTACTTGTTTAGGTAATA- - - - - TTTTCCTTAG- - - TCATATCT- - -	41879
Cow	TTCTGTGTGTTTCTACTTCCAAATAAAATCTATGTACTTGTTTAGGTAATACTTTATTTCTGTAGCTAGTCATATCT- - -	78995
Dog	TTCTGTATGTTTCTACTTCTGAATAAAATCTATGTACTTGTTTAGGTAATA- - - - - TTTTCCTTAG- - - TCATATCT- - -	72006
BelugaWhale	TTCTGTGTGTTTCTACTTCCGAATAAAATCTGTGTACTTGTTTAGGTAATACTTTATTTCCGTAGACAGTCATATCT- - -	71090
Donkey	TTCTGTATGTTTCTACTTCTGAATAAAATCTATGTACTTGTTTAAAGTAATATTTTATTTCTTTAGACAGTCATATCT- - -	80204
Cat	TTCTGTACGTTTCTATTTCTGAATAAAATCTATGTATTTGTTTAGGTAATA- - - - - TTTCCCTAGGCAGTCATATCT- - -	77016
Ferret	TTCTGTATGTTTCTACTTCTGAATAAAATCTATGTATTTGTTTAGGTAATA- - - - - TTTTCCTTAGACAGTCATATCTATC	79861
Lion	TTCTGTACGTTTCTATTTCTGAATAAAATCTATGTATTTGTTTAGGTAATA- - - - - TTTCCCTAGGCAGTCATATCT- - -	74697
Vaquita	TTCTGTGTGTTTCTACTTCCGAATAAAATCTATGTACTTGTTTGGGTAATACTTTATTTCCGTAGACAGTCATATCT- - -	72385
Pig	TTCTGTGTGTTTCTACT- CTGAATAAAATCTATGTACTTGTTTAGGTAATAACCTTATTTTCCTTAGATGGTCATATCT- - -	72391

Majority	- - - CTTTTTATATATATAT- - - - - ATATTTATTXT- - - - - TT- TTAACCTAACTACCTATTTTCC	
	104090 104100 104110 104120 104130 104140 104150 104160	
Human	- - - - - CTTTATATCTATATCTATATATGTATATT- - - - - TT- TTAACCTAA- - - CCTATTTTCC	84121
PolarBear	- - - - - - - - TATATATATATA- - TATAATTATTATTATCATT- TTAACCTAACTACCTATTTTCC	41933
Cow	- - - CTTTTAATATATATAT- - - - - ATATATAT- TTAACCTAACTACCTATTTTCC	79044
Dog	- - - CTTTTTATATATATAAT- - TATTATTATAAATTATTATTATTATT- TTTAATGTAACCTACCTATTTTCC	72072
BelugaWhale	- - - CTTTTTATATATATAT- - - - - ATATATATA- TTAACCTAACTACCTATTTTCC	71140
Donkey	- - - - - CTTTATATATATAT- - - - - ATA- - TAT- TTAACCTAATTACCTATTTTCC	80249
Cat	- - - CTTTATATATATATAT- - - - - ATATTTATTATTATTATA- TTATTATTAT- - - - - TTTAACCTAACTACCTATTTTCC	77084
Ferret	TATCTATCTATATATATATA- - TATATTTACTATTATTATTATTATTATTATTATTTTAACTAACTACCTATTTTCC	79939
Lion	- - - CTTTATATATATATATTATTATTATTATTATTATTATT- ATATTATTAT- - - - - TTTAACCTAACTACCTATTTTCC	74769
Vaquita	- - - CTTTATATATATATAT- - - - - ATATTTTTT- TTAACCTAACTACCTATTTTCC	72435
Pig	- - - CTTTTTATATATATAT- - - - - AT- - - TTT- TTAACCTAACTACCTATTTTCC	72437

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Majority	T A A G A A A A A T A T G G T G A A G T A C T A T A G T X T G G C T T T T T - - C T T T T T G T T G T T C T C A A A - G G C A A A T G T G A T C T A A T T T G C								
	104170	104180	104190	104200	104210	104220	104230	104240	
Human	T A A G A A A A A T A T G G T G A A G T A C T G T A G T T T G G C T T A T C - - - T T T T T G T T G T T C T C A A A - G G C A A A T G T G A T C T A A T T T G C								84197
PolarBear	T A A G A A A A A T A T G G T G A A G T A C T A T A G T A T G G C T T T T T - - C T T T T T G T T G T T C T C A A A - G G C A A A T G T G A T C T A A T T T G C								42010
Cow	T A A G A A A A A T A T G G T G A A G T A C T A T A G T T T G G C T T T T T A T C T T T T T G T T G T T C T C A A A - G G C A A A T - - - A T C T A A T T T G C								79120
Dog	T A A G A A A A A T A T G G T G A A G T A C T A T A G T A T G G C T T T T T - - C T T T T T G T T G T T C T C A A A - G G C A A A T G T G A T C T A A T T T G C								72149
BelugaWhale	T A A G A A A A A T A T G G T G A A G T A C T G T A G T C T G G C T T T T T A T C T T T T T G T T G T T C T C A A A A G G C A A A T G T G A T C T A A T T T G C								71220
Donkey	T A A G A A A A A T A T G G T G A A G T A C C A T A G T T T G G C T T T T T A T C G T T T T G T T A C T C T C A A A - G G C A G A T A T G A T C T A A T T T G C								80328
Cat	T A A G A A A A A T A T G G T G A A G T A C T G T A G T A T G G C T T T T T - - C T T T C T G T T G T T C T C A A A - G G C A A A T G T G A T C T A A T T T G C								77161
Ferret	T A A G A A A A A T A T G G T G A A G T A C T A T A G T A T T G C T T T T T - - C T T T T T G T T G T T C T C A A A - G G C A A A T G T G A T C T A A T T T G C								80016
Lion	T A A G A A A A A T A T G G T G A A G T A C T G T A G T A T G G C T T T T T - - C T T T C T G T T G T T C T C A A A - G G C A A A T G T G A T C T A A T T T G C								74846
Vaquita	T A A G A A A A A T A T G G T G A A G T A C T G T A G T T T G G C T T T T T A T C T T T T T G T T G T T C T C A A A A G G C A A A T G T G A T C T A A T T T G C								72515
Pig	T A A G A A A A A T A T G G T G A A G T A C T A T A G T T T G G C T T T T T A T C T T T T T G T T G T T C T C A A A - G G C A A A T G T G A T C T A A T T T G C								72516

Majority	A G A T T T - A A C T G T A A A A C A A T T T T T G C T C T T T G C C T T T T C T A A T T A T T T G C T T G T T C A T T T C A T G C T T A T G T G T C A T T G C A								
	104250	104260	104270	104280	104290	104300	104310	104320	
Human	A A A T T T - A A C T G T A A A A C A A T T T T T G C T C T T T G C C T T T T C T A A T T A T T T G C T T G T T C A T T T C A T G C T T A T A T G T C A T T G C A								84276
PolarBear	A G A T T T - A A C T G T A A A A C A A T T T T T G T T C T T T G C C T T T T C T A A T T A T T T G C T T G T T C A T T T C A T G C T T A T G T G T C A T T G C A								42089
Cow	A G A T G T - A A C T G T A A A A C A A T T T T T G C T C T T T G C C T T T T C T A A T T A T T T G C T T G T T C A T T T C A T G C T T A T G T G T C A T T G C A								79199
Dog	A G A T T T T A A C T G T A A A A C A A T T T T T G T T C T T T G C C T T T T C T A A T T A T T T G C T T G T T C A T T T C A T G C T T A T G T G T C A T T G C A								72229
BelugaWhale	A G A T G T - A A C T G T A A A A C A A T T T T T G C T C T T T G C C T T T T C T A A T T A T T T G C T T G T T C A T T T C A T G C T T A T G T G T C A T T G C A								71299
Donkey	A G A T T T - A A C T G T A A A A C A A T T T T T G C T C G T T G C C T T T T C T A A T T A T T T G C T T G T T C A T T T C A T G C T T A T G T G T C A T T G C A								80407
Cat	A G A T T T - A A C T G T A A A A C A A T T T T T G T T C T T T G C C T T T T C T A A T T A T T T G C T T G T T C A T T T C A T G C T T A T G T G T C A T T G C A								77240
Ferret	A G A T T T - A A C T G T A A A A C A A T T T T T G T T C T T T G C C T T T T C T A A T T A T T T G C T T G T T C A T T T C A T G C T T A T G T G T C A T T G C A								80095
Lion	A G A T T T - A A C T G T A A A A C A A T T T T T G T T C T T T G C C T T T T C T A A T T A T T T G C T T G T T C A T T T C A T G C T T A T G T G T C A T T G C A								74925
Vaquita	A G A T G T - A A C T G T A A A A C A A T T T T T G C T C T T T G C C T T T T C T A A T T A T T T G C T T G T T C A T T T C A T G C T T A T G T G T C A T T G C A								72594
Pig	A G A T G T - A A C T G T A A A A C A A T T T T T G C T C T T T G C C T T T T C T A A T G A T T T G C T T G T T C A T T T C A T G C T T A T G T G T C A T T G C A								72595

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Majority	TTTTTTT- AAATCTTATTTTATGTGAACACTCTAATACATTTTTCTTTGAAGGTTCTTCCAAAGATCTTGACGAGGCAC	
	104330 104340 104350 104360 104370 104380 104390 104400	
Human	TTTTTTTTAAATCTTATTTTATGTGAACACTCTAATACATTTTTCTTTGAAGGTTCTTCCAAAGATCTTGACGAGGCAC	84356
PolarBear	TTTTTTT- AAATCTTATTTTATGTGAACACTCTAATACATTTTTCTTTGAAGGTTCTTCCAAAGATCTTGACGAGGCAC	42168
Cow	TTTTTTT- AAATCTTATTTTATGTGAACACTCTAATACATTTTTCTTTGAAGGTTCTTCCAAAGATCTTGACGAGGCAC	79278
Dog	TTTTTTT- AAATCTTATTTTATGTGAACACTCTAATACATTTTTCTTTGAAGGTTCTTCCAAAGATCTTGACGAGGCAC	72308
BelugaWhale	TTTTTTT- AAATCTTATTTTATGTGAACACTCTAATACATTTTTCTTTGAAGGTTCTTCCAAAGATCTTGACGAGGCAC	71378
Donkey	TTTTTTT- - AAATATTATTTTATGTGAACACTCTAATACATTTTTCTTTGAAGGTTCTTCCAAAGATCTTGACGAGGCAC	80485
Cat	TTTTTTT- AAATCTTATTTTATGTGAACACTCTAATACATTTTTCTTTGAAGGTTCTTCCAAAGATCTTGACGAGGCAC	77319
Ferret	TTTTTTT- AAATCTTATTTTATGTGAACACTCTAATACATTTTTCTTTGAAGGTTCTTCCAAAGATCTTGACGAGGCAA	80174
Lion	TTTTTTT- AAATCTTATTTTATGTGAACACTCTAATACATTTTTCTTTGAAGGTTCTTCCAAAGATCTTGACGAGGCAC	75004
Vaquita	TTTTTTT- AAATCTTATTTTATGTGAACACTCTAATACATTTTTCTTTGAAGGTTCTTCCAAAGATCTTGACGAGGCAC	72673
Pig	TTTTTTT- AAATCTTATTTTATGTGAACACTCTAATACATTTTTCTTTGAAGGTTCTTCCAAAGATCTTGACGAGGCAC	72674

Majority	TCTTCCAGTCTTTCTTAGTAATTTTTCTTTGCAGTTATTAGTCATTGTCTTCTAAAAATATTTTTCAACTTTATCCCC	
	104410 104420 104430 104440 104450 104460 104470 104480	
Human	TCTTCCCGTCTTTCTTAGTAATTTTTCTTTGCAGTTATTAGTCATTGTCTTCTAAAAATATTTTTTAACTTTATTCCCC	84436
PolarBear	TCTTCCAGTCTTTCTTAGTAATTTTTCTTTGCAGTTATTAGTCATTGTCTTCTAAAAATATTTTTCAACTTTATCCCC	42248
Cow	TCTTCCAGTCTTTCTTAGTAATTTTTCTTTGCAGTTATTAGTCATTGTCTTCTAAAAATATTTTTCAACTTTACCTCTC	79358
Dog	TCTTCCAGTCTTTCTTAGTAATTTTTCTTTGCAGTTATTAGTCATTGTCTTCTAAAAATATTTTTCAACTTTATCCCCT	72388
BelugaWhale	TCTTCCAGTCTTTCTTAGTAATTTTTCTTTGCAGTTATTAGTCATTGTCTTCTAAAAATATTTTTCAACTTTACCCCTC	71458
Donkey	TCTTCCAGTCTTTCTTAGTAATTTTTCTTTGCAGTTATTAGTCATTGTCTTCTAAAAATATTTTTCAACTTTATTCCCC	80565
Cat	TCTTCCAGTCTTTCTTAGTAATTTTTCTTTGCAGTTATTAGTCATTGTCTTCTAAAAATATTTTTCCAAGTTATTCCCC	77399
Ferret	TCTTCCAGTCTTTCTTAGTAATTTTTCTTTGCAGTTATTAGTCATTGTCTTCTAAAAATAATTTTTCAACTTTATCCCC	80254
Lion	TCTTCCAGTCTTTCTTAGTAATTTTTCTTTGCAGTTATTAGTCATTGTCTTCTAAAAATATTTTTCAACTTTATTCCCC	75084
Vaquita	TCTTCCAGTCTTTCTTAGTAATTTTTCTTTGCAGTTATTAGTCATTGTCTTCTAAAAATATTTTTCAACTTTACCCCTC	72753
Pig	TCTTCCAGTCTTTCTTAGTAATTTTTCTTTGCAGTTATTAGTCATTGTCTTCTAAAAATATTTTTCAACTTTATCCCC	72754

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Majority	CC- - - - C- - - - - - - - - - - - CC- - - - - CCCTGTTAAATAAAAATTTATTGCTGAGTTATTTTCTTTAGTTGTACATTTT										
	104490	104500	104510	104520	104530	104540	104550	104560			
Human	CACCCCTTCCTTCCTTACCACCCCTCCACCCAGTTAAATAAAAATTTATTGCTAAGTTATTTTCTTTAGTTGTACATTTT										84516
PolarBear	CC- - - - T- - - - - - - - - - - - T- - - - - - - - - - - - GTTAAATAAAAATTTATTGCTGAGTTATTTTCTTTAGTTGTACATTTT										42299
Cow	CCCAAAC- - - - - - - - - - - - CC- CTCCCACCCTGTTAAATAAAAATTTATTGCTGAGTTATTTTCTTTAGTTGTACATTTT										79424
Dog	CC- - - - C- - - - - - - - - - - - CC- - - - - - C- TTGTTAAATAAAAATTTATTGCTGAGTTATTTTCTTTAGTTGTACATTTT										72443
BelugaWhale	CCTGAAC- - - - - - - - - - - - CC- CTCCCACCCCTTAAATAAAAGTTTATTGCTGAGTTATTTTCTTTAGTTGTACATTTT										71524
Donkey	CC- CTTGTTAAATAAAAATTTATTGCTG- - TTATTTTCTTTAGTTGTACATTTT										80615
Cat	CT- - - - C- - - - - - - - - - - - CC- - - - - - CCTTGTTAAATAAAAATTTATTGCTGAGTTATTTTCTTTAGTTGTACATTTT										77455
Ferret	CC- - - - T- - - - - - - - - - - - CC- - - - - - C- CCGTTAAATAAAAATTTATTGCTGAGTTATTTTCTTTAGTTGTACATTTT										80309
Lion	CT- - - - C- - - - - - - - - - - - CC- - - - - - CCTTGTTAAATAAAAATTTATTGCTGAGTTATTTTCTTTAGTTGTACATTTT										75140
Vaquita	CCTGAAC- - - - - - - - - - - - CC- CTCCCACCCCTTAAATAAAAGTTTATTGCTGAGTTATTTTCTTTAGTTGTACATTTT										72819
Pig	CCCGACC- - - - - - - - - - - - CCACCCCCACCCTGTTAAATAAAAATTTATTGCTGAGTTATTTTCTTTAGTTGTACATTTT										72821

Majority	ATGTCTGGTATATTTTATTTTGAATGCTATGAAAGCTGGTATGAAATGTGGGAAG- - - CTCAATGTATCAGTTTATAATG									
	104570	104580	104590	104600	104610	104620	104630	104640		
Human	ATGTCTGGTATATTTTATTTTGAATGCTATGAAAGCTGGTATGAAATGTGGGAAG- - - CTCAGTGTATCAGTTTATGATG								84593	
PolarBear	ATGTCTGGTATATTTTATTTTGAATGCTATGAAAGCTGGTATGAAATGTGGGAAG- - - CTCGATGTATCAGTTTACAATG								42376	
Cow	ATGTCTGGTATATTTTATTTTGAATGCTATGAAAGCTGGTATGAAATGTGGGAAG- - - CTCAATGTATCAGTTTATGATG								79501	
Dog	ATGTCTGGTATATTTTATTTTGAATGCTATGAAAGCTGGTATGAAATGTGGGAAG- - - CTCAGTGTATCAGTTTACAATG								72520	
BelugaWhale	ATGTCTGGTATATTTTATTTTGAATGCTATGAAAGCTGGTATGAAATGTGGGAAG- - - CTCAGTGTATCAGTTTATGATG								71601	
Donkey	ATGTCTGGTATATTTTATTTTGAATGCTATGAAAGCTGGTATGAAATGTGGGAAG- - - CTAAATGTATTAGTTTACAATG								80692	
Cat	ATGTCTGGTATATTTTATTTTGAATGCTATGAAAGCTGGTATGAAATGTGGGAAG- - - CTCAGTGTATCAGTTTATAATG								77532	
Ferret	ATGTCTGGTATATTTTATTTTGAATGCTATGAAAGCTGGTATGAAATGTGGGAAG- - - CTCAATGTATCAGTTTACAATG								80386	
Lion	ATGTCTGGTATATTTTATTTTGAATGCTATGAAAGCTGGTATGAAATGTGGGAAG- - - CTCAGTGTATCAGTTTACAATG								75217	
Vaquita	ATGTCTGGTATATTTTATTTTGAATGCTATGAAAGCTGGTATGAAATGTGGGAAG- - - CTCAATGTATCAGTTTATGATG								72896	
Pig	ATGTCTGGTATATTTTATTTTGAATGCTGTGAAAGCTGGTATGAAATGTGGGAAGAAGCTCAATGTATCTGTTTCTGATG								72901	

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Majority	TCTAATTTGAATATTTGTTTCATTTTTAATTGGCCTCTGTTAATACGAACATTAAGCTTATTTTATC- ATTTAATACTAT	
	104650 104660 104670 104680 104690 104700 104710 104720	
Human	TCTAATTTGAATATTTGTTTCATTTTTAATTGGCCTCTGTTAATATGAACATTA- GCTTATTTTATCCATTTAATACTAT	84672
PolarBear	TCTAAAT- - - - - ATTTTCATTTTTAATTGGCCTCTGTTAATACGAACATTAAGCTTATTTTATC- ATTTAATACTAT	42446
Cow	TCTAATTTGAA- - - - TATTTTCATTTTTAATTGGCCTCTGTTAATACGAACATTAAGCT- ATTTTATC- ATTTAATACTAT	79575
Dog	TCTAATTTGAATATTTGTTTCATTTTTAATTGGCCTCTGTTAATACGAACATTAAGCTTATTTTATC- ATTTAATACTAT	72599
BelugaWhale	TCTAATTTGAA- - - - TATTTTCATTTTTAATTGGCCTCTGTTAATATGAACATTAAGCT- ATTTTATC- ATTTAGTACTAT	71675
Donkey	TCTAATTTGAGTATTTGTTTCATTTTTGATTGGCCTCTGTTAATATGAACATTAAGCTTATTTTATC- ATTTAATACTAT	80771
Cat	TCTAATTTGAATATTTGTTTCATTTTTAATTGGCCTCTGTTAATACGAACATTAAGCTTATTTTATC- ATTTGATACTAT	77611
Ferret	TCCAATTTTAATATTTGTTTCATTTTTAATTGGCCTCTGTTAATACGAACATTAAGCTTATTTTATC- ATTTAATACTGT	80465
Lion	TCTAATTTGAATATTTGTTTCATTTTTAATTGGCCTCTGTTAATACGAACATTAAGCTTATTTTATC- ATTTGATACTAT	75296
Vaquita	TCTAATTTGAA- - - - TATTTTCATTTTTAATTGGCCTCTGTTAATATGAACATTAAGCT- ATTTTATC- ATTTAGTACTAT	72970
Pig	TCCAATTTGAA- - - - TATTTTCATTTTTAATTGGCCTCTGTTAATATGTACATTAAACT- ATTTT- - - ATTTACTACTGT	72972

Majority	TGTCATTCACAGTTCTGCATGCTAAAATGTTTGAATCAGAGTGCCTTTGTTTTCTTTTAAGAAATTTTGCCTGCATTTCA	
	104730 104740 104750 104760 104770 104780 104790 104800	
Human	TATCATTTCACAGTTCTGCATGCTAAAATGTTTGAATCAGAGTGCCTTTGTTTTATTTTAAGACTTTTGCCTGCATTTCA	84752
PolarBear	TGTCATTCACAGTTCTGCATGCTAAAATGTTTGAATCAGAGTGCCTTTGTTTTCTTTTAAGAAATTTTGCCTGCATTTCA	42526
Cow	AGTCATTCACAGTTGTGCATGCTAAAATGTTTGAATCAGAGTGCCTTTGTTTTCTTTTAAGAAATTTTGCCTGCATTTCA	79655
Dog	TGTCATTCACAGTTCTGCATGCTAAAATGTTTGAATCAGAGTGCCTTTGTTTTCTTTTAAGAAATTTTGCCTGCATTTCA	72679
BelugaWhale	TGTCATCCACAGTTCTGCATGCTAAAATGTTTGAATCAGAGTGCCTTTGTTTTCTCTTAAGAAATTTTGCCTGCATTTCA	71755
Donkey	TGTCATTCACAGTTCTGCATGCTAAAATGTTTGAATCAGAGTGCCTTTGTTTTCTTTTAAGAAATTTTGCCTGCATTTCA	80851
Cat	TGTCATTCACAGTTCTGCATGCTAAAATGTTTGAATCAGAGTGCCTTTGTTTTCTTTTAAGAAATTTTGCCTGCATTTCA	77691
Ferret	TGTCATTCACAGTTCTGCATGCTAAAATGTTTGAATCAGAGTGCCTTTGTTTTCTTTTAAGAAATTTTGCCTGCATTTCA	80545
Lion	TGTCATTCACAGTTCTGCATGCTAAAATGTTTGAATCAGAGTGCCTTTGTTTTCTTTTAAGAAATTTTGCCTGCATTTCA	75376
Vaquita	TGTCATCCACAGTTCTGCATGCTAAAATGTTTGAATCAGAGTGCCTTTGTTTTCTCTTAAGAAATTTTGCCTGCATTTCA	73050
Pig	TGTCATTCACAGTTCTGCATGCTAAAATGTTTGAATCAGAGTGCCTTTG- - - - TTACAAGAAATTTTGCCTGCATTTCA	73046

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Majority	T AACCAGCCATGCTTATGCAGTT- AAAGTTCAAAGTTT- AAAATTCCTGTGCATGCTTT- CCTTCCCTATGTTGAGATGA								
	104810	104820	104830	104840	104850	104860	104870	104880	
Human	T AACCAGCCATGCTTATGCAGTT- AAAGTTCAAAGTTT- AAAATTCCTGTGCATGCTTT- CCTTCCCTATGTTGAGATGA								84829
PolarBear	T AACCAGCCATGCTTATGCAGTT- AAAGTTCAAAGTTT- AAAATTCCTGTGCATGCTTT- CCTTCCCTATGTTGAGATGA								42603
Cow	T AACCAGCCATGCTTATGCAGTTAAAAGTTCAAAGTTT- AAAATTCCTATGCATGCTTC- CCTTCCCTATGTTGAGATGA								79733
Dog	T AACCAGCCATGCTTATGCAGTT- AAAGTTCAAAGTTT- AAAATTCCTGTGCATGCTTTT CCTTCCCTATGTTGAGATGA								72757
BelugaWhale	T AACCAGCCATGCTTATGCAGTT- AAAGTTCAAAGTTT- AAAGTTCCTGTGCATGCTTT- CCTTCCCTATGTTGAGATGA								71832
Donkey	T AACCAGCCATGCTTATGCAGTG- - AAGTTCAAAGTTTTAAAATTCCTATGCATGCTTT- CCTTCCCTATGTTGAAATGA								80928
Cat	T AACCAGCCATGCTTATGCAGTT- AAAGTTCAAAGTTT- AAAATTCCTGTGCATGCTTT- CCTTCCCTATGTTGAGATGA								77768
Ferret	T AACCAGCCATGCTTATGCAGTT- AAAGTTCAAAGTTT- AAAATTCCTGTGCATGCTTT- CCTTCCCTATGTTGAGATGA								80622
Lion	T AACCAGCCATGCTTATGCAGTT- AAAGTTCAAAGTTT- AAAATTCCTGTGCATGCTTT- CCTTCCCTATGTTGAGATGA								75453
Vaquita	T AACCAGCCATGCTTATGCAGTT- AAAGTTCAAAGTTT- AAAGTTCCTGTGCATGCTTT- CCTTCCCTATGTTGAGATGA								73127
Pig	T AACCAGCCATGCTTATGCAGTTTAAAGTTCAAAGTTT- AAA- TTCCTATGCATGCTTT- CCTTCCCTATGTTGAGATGA								73123

Majority	AATGCTGTAATTTACTCTTTGATATAGATGTA CTTTACCCATATTTGTCTTGGATGACTACATTTTACTCAGTTTTTCTT								
	104890	104900	104910	104920	104930	104940	104950	104960	
Human	AATGCTGTAATTTACTCTTTGATATAGATGTA CTTTACCCATATTTGTCTTGGATGACTACATTTTACTCAGTTTTTCTT								84909
PolarBear	AATGCTGTAATTTACTCTTTGATATAGATGTA CTTTACCCATATTTGTCTTGGATGACTACATTTTACTCAGTTTTTCTT								42683
Cow	AATGCTGTAATTTACTCTTTGATATAGATGTA CTTTACCCATATTTGTCTTGGATGACTACATTTTACTCAGTTTTTCTT								79813
Dog	AATGCTGTAATTTACTCTTTGATATAGATGTA CTTTACCCATATTTGTCTTGGATGACTACATTTTACTCAGTTTTTCTT								72837
BelugaWhale	AATGCTGTAATTTACTCTTTGATATAGATGTA CTTTACCCATATTTGTCTTGGATGACTACATTTTACTCAGTTTTTCTT								71912
Donkey	AATGCTGTAATTTACTCTTTGATATAGATGTA CTTTACCCATATTTGTCTTGGATGACTACATTTTACTCAGTTTTTCTT								81008
Cat	AATGCTGTAATTTACTCTTTGATATAGATGTA CTTTACCCATATTTGTCTTGGATGACTACATTTTACTCAGTTTTTCTT								77848
Ferret	AATGCTGTAATTTACTCTTTGATATAGATGTA CTTTACCCATATTTGTCTTGGATGACTACATTTTACTCAGTTTTTCTT								80702
Lion	AATGCTGTAATTTACTCTTTGATATAGATGTA CTTTACCCATATTTGTCTTGGATGACTACATTTTACTCAGTTTTTCTT								75533
Vaquita	AATGCTGTAATTTACTCTTTGATATAGATGTA CTTTACCCATATTTGTCTTGGATGACTACATTTTACTCAGTTTTTCTT								73207
Pig	AATGCTGTAATTTACTCTTTGATATAGATGTA CTTTACCCATATTTGTCTTGGATGACTACATTTTACTCAGTTTTTCTT								73203

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Majority	GTACAGTACATAAAACCAACCATTTTCTGACCAAATTCTGCATTTCTCTATGTA CTGACCTATATTTTATTTTTTTTTTTT- G								
	104970	104980	104990	105000	105010	105020	105030	105040	
Human	GTACAGTACATAAAACCAACCATTTTCTGACCAAATTCTGCATTTCTCTATGTA CTGACCTATATTTTATTTTGTTTTT- G								84988
PolarBear	GTACAGTACATAAAACCAACCATTTTCTGACCAAATTCTGCATTTCTCTATGTA CTGACCTATATTTTATTTTTTTTTTTT- G								42762
Cow	GTACAGTACATAAAACCAACCATTTTCTGACCAAAT- CCTGCATTTCTCTATGTA CTGACCTATATTTTATTTTTTTTTTTTG								79892
Dog	GTACAGTACATAAAACCAACCATTTTCTGACCAAATTCTGCATTTCTCTATGTA CTGACCTATATTTTATTTTTTTTTTTT- G								72916
BelugaWhale	GTACAGTACATAAAACCAACCATTTTCTGACCAAAT- CCTGCATTTCTCTATGTA CTGACCTATATTTTATTTTTTTTTTTT- G								71990
Donkey	GTACAGTACATAAAACCAACCATTTTCTGACCAAATTCTGCATTTCTCTATGTA CTGACCTATATTTTATTTTTTTTTTTTG								81088
Cat	GTACAGTACATAAAACCAACCATTTTCTGACCAAATTCTGCATTTCTCTATGTA CTGACCTATATTTTATTTTTTTTTTTT- G								77927
Ferret	GTACAGTACATAAAACCAACCATTTTCTGACCAAATTCTGCATTTCTCTATGTA CTGACCTATATTTTATTTTTTTTTTTT- G								80781
Lion	GTACAGTACATAAAACCAACCATTTTCTGACCAAATTCTGCATTTCTCTATGTA CTGACCTATATTTTATTTTTTTTTTTT- G								75612
Vaquita	GTACAGTACATAAAACCAACCATTTTCTGACCAAAT- CCTGCATTTCTCTATGTA CTGACCTATATTTTATTTTTTTTTTTT- G								73285
Pig	GTACAGTACATAAAACCAACCATTTTCTGACCAAAT- CCTGCATTTCTCTATGTA CTGACCTATATTTTATTTTTTTTTTTTG								73282

Majority	TTCCCCAATTCCTTATTTTTTCTTCTGCATTGCTGTTCCCTTCCCATTTCATCCTTT- TCCCTGTGTGTTTACCTTC								
	105050	105060	105070	105080	105090	105100	105110	105120	
Human	TTCCCCAATTCCTTATTTTTTCTTCTGCATTGCTGTTCCCTTCCCATTTCATCCTTT- TCCCTGTGTGTTTACCTTC								85067
PolarBear	TTCCCCAATTCCTTATTTTTTCTTCTGCATTGCTGTTCCCTTCCCATTTCATCCTTTTCCCCTGTGTGTTTACCTTC								42842
Cow	TTCCCCGATTCCTTATTTTTTCTTCTGCATTGCTGTTCCCTTCCCATTTCATCCTTT- TCCCTGTGTGTTTACCTTC								79971
Dog	TTCCCCAATTCCTTATTTTTTCTTCTGCATTGCTGTTCCCTTCCCATTTCATCCTTTTCCCCTGTGTGTTTACCTTC								72996
BelugaWhale	TTCCCCAATTCCTTATTTTTTCTTCTGCATTGCTGTTCCCTTCCCATTTCATCCTTT- TCCCTGTGTGTTTACCTTC								72069
Donkey	TTCCCCAATTCCTTATTTTTTCTTCTGCATTGCTGTTCCCTTCCCATTTCATCCTTT- TCCCTGTGTGTTTACCTTC								81167
Cat	TTCCCCAATTCCTTATTTTTTCTTCTGCATTGCTGTTCCCTTCCCATTTCATCCTTT- TCCTTGTGTGTTTACCTTC								78006
Ferret	TTCCCCAATTCCTTATTTTTTCTTCTGCATTGCTGTTCCCTTCCCATTTCATCCTTT- CCCCTGTGTGTTTACCTTC								80860
Lion	TTCCCCAATTCCTTATTTTTTCTTCTGCATTGCTGTTCCCTTCCCATTTCATCCTTT- TCCCTGTGTGTTTACCTTC								75691
Vaquita	TTCCCCAATTCCTTATTTTTTCTTCTGCATTGCTGTTCCCTTCCCATTTCATCCTTT- TCCCTGTGTGTTTACCTTC								73364
Pig	TTCCCCGATTCCTTATTTTTTCTTCTGCATTGCTGTTCCCTTCCCATTTCATCCTTT- TCCCTGTGTGTTTACCTTC								73361

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Majority	CCTTTCTTGTCTTTTCCCAAATGCCATTCCCTTCCCTGTCTTATCCTTTATTTTCCTTGTCTTGTCTTCATTCCCTG										
	105130	105140	105150	105160	105170	105180	105190	105200			
Human	CCTTTCTTGTCTTTTCCCAAATGCCATTCCCTTCCCTGTCTTATCCTTTATTTTCCTTGTCTTGTCTTCATTCCCTG										85147
PolarBear	CCTTTCTTGTCTTTTCCCAAATGCCATTCCCTTCCCTGTCTTATCCTTTATTTTCCTTGTCTTGTCTTCATTCCCTG										42922
Cow	CCTTTCTTGTCTTTTCCCAAATGCCATTCCCTTCCCTGTCTTATCCTTTATTTTCCTTGTCTTGTCTTCATTCCCTG										80051
Dog	CCTTTCTTGTCTTTTCCCAAATGCCATTCCCTTCCCTGTCTTATCCTTTATTTTCCTTGTCTTGTCTTCATTCCCTG										73076
BelugaWhale	CCTTTCTTGTCTTTTCCCAAATGCCATTCCCTTCCCTGTCTTATCCTTTATTTTCCTTGTCTTGTCTTCATCCCCTG										72149
Donkey	CCTTTCTTGTCTTTTCCCAAATGCCATTCCCTTCCCTGTCTTATCCTTTATTTTCCTTGTCCGTGTCTTCATTCCCTG										81247
Cat	CCTTTCTTGTCTTTTCCCAAATGCCATTCCCTTCCCTGTCTTATCCTTTATTTTCCTTGTCTTGTCTTCATTCCCTG										78086
Ferret	CCTTTCTTGTCTTTTCCCAAATGCCATTCCCTTCCCTGTCTTATCCTTTATTTTCCTTGTCTTGTCTTCATTCCCTG										80940
Lion	CCTTTCTTGTCTTTTCCCAAATGCCATTCCCTTCCCTGTCTTATCCTTTATTTTCCTTGTCTTGTCTTCATTCCCTG										75771
Vaquita	CCTTTCTTGTCTTTTCCCAAATGCCATTCCCTTCCCTGTCTTATCCTTTATTTTCCTTGTCTTGTCTTCATCCCCTG										73444
Pig	CCTTTCTTGTCTTCCCAAATGCCATTCCCTTCCCTGTCTTATCCTTTATTTTCCTTGTCTTGTCTTCATTCCCTG										73441

Majority	TCTCCATTCCCTATGTTTCATGCTTCTGTGCTTGAACAAATGTTCTCGGACCAACTTGCCCAATTAACCGCCTTGAACC										
	105210	105220	105230	105240	105250	105260	105270	105280			
Human	TCTCCATTCCCTATGTTTCATGCTTCTGTGCTTGAACAAATGTTCTCGGACCAACTTGCCCAATTAACCGCCTTGAACC										85227
PolarBear	TCTCCATTCCCTATGTTTCATGCTTCTGTGCTTGAACAAATGTTCTCGGACCAACTTGCCCAATTAACCGCCTTGAACC										43002
Cow	TCTCCATTCCCTATGTTTCATGCTTCTGTGCTTGAACAAATGTTCTCGGACCAACTTGCCCAATTAACCGCCTTGAACC										80131
Dog	TCTCCATTCCCTATGTTTCATGCTTCTGTGCTTGAACAAATGTTCTCGGACCAACTTGCCCAATTAACCGCCTTGAACC										73156
BelugaWhale	TCTCCATTCCCTGTGTTTCATGCTTCTGTGCTTGAACAAATGTTCTCGGACCAACTTGCCCAATTAACCGCCTTGAACC										72229
Donkey	TCTCCATTCCCTATGTTTCATGCTTCTGTGCTTGAACAAATGTTCTCGGACCAACTTGCCCAATTAACCGCCTTGAACC										81327
Cat	TCTCCATTCCCTATGTTTCATGCTTCTGTGCTTGAACAAATGTTCTCGGACCAACTTGCCCAATTAACCGCCTTGAACC										78166
Ferret	TCTCCATTCCCTATGTTTCATGCTTCTGTGCTTGAACAAATGTTCTCGGACCAACTTGCCCAATTAACCGCCTTGAACC										81020
Lion	TCTCCATTCCCTATGTTTCATGCTTCTGTGCTTGAACAAATGTTCTCGGACCAACTTGCCCAATTAACCGCCTTGAACC										75851
Vaquita	TCTCCATTCCCTGTGTTTCATGCTTCTGTGCTTGAACAAATGTTCTCGGACCAACTTGCCCAATTAACCGCCTTGAACC										73524
Pig	TCTCCATTCCCTATGTTTCATGCTTCTGTGCTTGAACAAATGTTCTCGGACCAACTTGCCCAATTAACCGCCTTGAACC										73521

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Majority	ATGATCCATGACCACCTCACCATTCTGCGGGAACCACCCTTCGTTATGGATGATCTGTTTCATCTCCGCTCTTCCTCGACT								
	105290	105300	105310	105320	105330	105340	105350	105360	
Human	ATGATCCATGACCACCTCACCATTCTGCGGGAACCACCCTTCGTTATGGATGATCTGTTTCATCTCCGCTCTTCCTCGACT								85307
PolarBear	ATGATCCATGACCACCTCACCATTCTGCGGGAACCACCCTTCGTTATGGATGATCTGTTTCATCT- - - - - TCCTCGACT								43075
Cow	ATGATCCATGACCACCTCACCATTCTGCGGGAACCACCCTTCGTTATGGATGATCTGTTTCATCTCCGCTCTTCCTCGACT								80211
Dog	ATGATCCATGACCACCTCACCATTCTGCGGGAACCACCCTTCGTTATGGATGATCTGTTTCATCTCCGCTCTTCCTCGACT								73236
BelugaWhale	ATGATCCATGACCACCTCACCATTCTGCGGGAACCACCCTTCGTTATGGATGATCTGTTTCATCTCCGCTCTTCCTCGACT								72309
Donkey	ATGATCCATGACCACCTCACCATTCTGCGGGAACCACCCTTCGTTATGGATGATCTGTTTCATCTCCGCTCTTCCTCGACT								81407
Cat	ATGATCCATGACCACCTCACCATTCTGCGGGAACCACCCTTCGTTATGGATGATCTGTTTCATCTCCGCTCTTCCTCGACT								78246
Ferret	ATGATCCATGACCACCTCACCATTCTGCGGGAACCACCCTTCGTTATGGATGATCTGTTTCATCTCCGCTCTTCCTCGACT								81100
Lion	ATGATCCATGACCACCTCACCATTCTGCGGGAACCACCCTTCGTTATGGATGATCTGTTTCATCTCCGCTCTTCCTCGACT								75931
Vaquita	ATGATCCATGACCACCTCACCATTCTGCGGGAACCACCCTTCGTTATGGATGATCTGTTTCATCTCCGCTCTTCCTCGACT								73604
Pig	ATGATCCATGACCACCTCACCATTCTGCGGGAACCACCCTTCGTTATGGATGATCTGTTTCATCTCCGCTCTTCCTCGACT								73601

Majority	CTTCTCTCTTCTTGCTTACGCTGCTTGCTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTACCCTCTTC								
	105370	105380	105390	105400	105410	105420	105430	105440	
Human	CTTCTCTCTTCTTGCTTACGCTGCTTGCTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTACCCTCTTC								85387
PolarBear	CTTCTCTCTTCTTGCTTACGCTGCTTGCTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTACCCTCTTC								43155
Cow	CTTCTCTCTTCTTGCTTACGCTGCTTGCTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTACCCTCTTC								80291
Dog	CTTCTCTCTTCTTGCTTACGCTGCTTGCTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTACCCTCTTC								73316
BelugaWhale	CTTCTCTCTTCTTGCTTACGCTGCTTGCTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTACCCTCTTC								72389
Donkey	CTTCTCTCTTCTTGCTTACGCTGCTTGCTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTACCCTCTTC								81487
Cat	CTTCTCTCTTCTTGCTTACGCTGCTTGCTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTACCCTCTTC								78326
Ferret	CTTCTCTCTTCTTGCTTACGCTGCTTGCTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTACCCTCTTC								81180
Lion	CTTCTCTCTTCTTGCTTACGCTGCTTGCTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTACCCTCTTC								76011
Vaquita	CTTCTCTCTTCTTGCTTACGCTGCTTGCTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTACCCTCTTC								73684
Pig	CTTCTCTCTTCTTGCTTACGCTGCTTGCTCTTCTCTCCTTCTAAAGATGGTTACGCCCCAAAGTCTGTTTACCCTCTTC								73681

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Majority	GGTATGTTATTGTTAGCACTATACTTTTATTATTGATTTGATTTTTGTTTACACCTTAATTCTTATTTGTAGCTAGCACTT	
	105450 105460 105470 105480 105490 105500 105510 105520	
Human	GGTATGTTATTGTTAGCACTATACTTTTATTATTGATTTGATTTTTGTTTACACCTTAATTCTTATTTGTAGCTAGCACTT	85467
PolarBear	GGTATGTTATTGTTAGCACTATACTTTTATTATTGATTTGATTTTTGTTTACACCTTAATTCTTATTTGTAGCTAGCACTT	43235
Cow	GGTATGTTATTGTTAGCACTATACTTTTATTATTGATTTGATTTTTGTTTACACCTTAATTCTTATTTGTAGCTAGCACTT	80371
Dog	GGTATGTTATTGTTAGCACTATACTTTTATTATTGATTTGATTTTTGTTTACACCTTAATTCTTATTTGTAGCTAGCACTT	73396
BelugaWhale	GGTATGTTATTGTTAGCACTATACTTTTATTATTGATTTGATTTTTGTTTACACCTTAATTCTTATTTGTAGCTAGCACTT	72469
Donkey	GGTATGTTATTGTTAGCACTATACTTTTATTATTGATTTGATTTTTGTTTACACCTTAATTCTTATTTGTAGCTAGCACTT	81567
Cat	GGTATGTTATTGTTAGCACTATACTTTTATTATTGATTTGATTTTTGTTTACACCTTAATTCTTATTTGTAGCTAGCACTT	78406
Ferret	GGTATGTTATTGTTAGCACTATACTTTTATTATTGATTTGATTTTTGTTTACACCTTAATTCTTATTTGTAGCTAGCACTT	81260
Lion	GGTATGTTATTGTTAGCACTATACTTTTATTATTGATTTGATTTTTGTTTACACCTTAATTCTTATTTGTAGCTAGCACTT	76091
Vaquita	GGTATGTTATTGTTAGCACTATACTTTTATTATTGATTTGATTTTTGTTTACACCTTAATTCTTATTTGTAGCTAGCACTT	73764
Pig	GGTATGTTATTGTTAGCACTATACTTTTATTATTGATTTGATTTTTGTTTACACCTTAATTCTTATTTGTAGCTAGCACTT	73761

Majority	TGGCTTAAAGTTGAATAGTAAATCTTTTGCTATTTTTCTTTGCTATTTAAAACCTCTCCATAGACACAAAATTTGTTTTAA	
	105530 105540 105550 105560 105570 105580 105590 105600	
Human	TGGCTTAAAGTTGAATAGTAAATCTTTTGCTATTTTTCTTTGCTATTTAAAACCTCTCCATAGACACAAAATTTGTTTTAA	85547
PolarBear	TGGCTTAAAGTTGAATAGTAAATCTTTTGCTATTTTTCTTTGCTATTTAAAACCTCTCCATAGACACAAAATTTGTTTTAA	43315
Cow	TGGCTTAAAGTTGAATAGTAAATCTTTTGCTATTTTTCTTTGCTATTTAAAACCTCTCCATAGACACAAAATTTGTTTTAA	80451
Dog	TGGCTTAAAGTTGAATAGTAAATCTTTTGCTATTTTTCTTTGCTATTTAAAACCTCTCCATAGACACAAAATTTGTTTTAA	73476
BelugaWhale	TGGCTTAAAGTTGAATAGTAAATCTTTTGCTATTTTTCTTTGCTATTTAAAACCTCTCCATAGACACAAAATTTGTTTTAA	72549
Donkey	TGGCTTAAAGTTGAATAGTAAATCTTTTGCTATTTTTCTTTGCTATTTAAAACCTCTCCATAGACACAAAATTTGTTTTAA	81647
Cat	TGGCTTAAAGTTGAATAGTAAATCTTTTGCTATTTTTCTTTGCTATTTAAAACCTCTCCATAGACACAAAATTTGTTTTAA	78486
Ferret	TGGCTTAAAGTTGAATAGTAAATCTTTTGCTATTTTTCTTTGCTATTTAAAACCTCTCCATAGACACAAAATTTGTTTTAA	81340
Lion	TGGCTTAAAGTTGAATAGTAAATCTTTTGCTATTTTTCTTTGCTATTTAAAACCTCTCCATAGACACAAAATTTGTTTTAA	76171
Vaquita	TGGCTTAAAGTTGAATAGTAAATCTTTTGCTATTTTTCTTTGCTATTTAAAACCTCTCCATAGACACAAAATTTGTTTTAA	73844
Pig	TGGCTTAAAGTTGAATAGTAAATCTTTTGCTATTTTTCTTTGCTATTTAAAACCTCTCCATAGACACAAAATTTGTTTTAA	73841

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Majority	TGCATGCTGATTTATTTTGCATGGTCTTTAATTTAAT-ATCATTACATAGCTTTGAGGGTTTATCAAAAATT-ATTCTT	
	105610 105620 105630 105640 105650 105660 105670 105680	
Human	TGCATGCTAATTTATTTTGCATGGTCTTTAATTTAAT-ATCATTACATAGCTTTGAGGGTTTATCAAAAATT-ATTCTT	85625
PolarBear	TGCATGCTGATTTATTTTGCATGGTCTTTAATTTAAT-ATCATTACATAGCTTTGAGGGTTTATCAAAAATT-ATTCTT	43393
Cow	TGCATGCTGATTTATTTTGCATGGTCTTTAATTTAAT-ATCATTACATAGCTTTGAGGGTTTATCAGAAATT-ATTCTT	80529
Dog	TGCATGCTGATTTATTTTGCATGGTCTTTAATTTAAT-ATCATTACATAGCTTTGAGGGTTTATCAAAAAGTT-ATTCTT	73554
BelugaWhale	TGCATGCTGATTTATTTTGCATGATCTTTAATTTAAT-ATCATTACATAGCTTTGAGGGTTTATCAGAGATT-ATTCTT	72627
Donkey	TGCATGCTGATTTATTTTGCATGGTCTTTAATTTAAT-ATCATTACATAGCTTTGAGGGTTTATCAGAAATT-ATTCTT	81725
Cat	TGCATGCTGATTTATTTTGCATGGTCTTTAATTTAAT-ATCATTACATAGCTTTGAGGGTTTATCAAAAATT-ATTCTT	78564
Ferret	TGCATGCTGATTTATTTTGCATGGTCTTTAATTTAAT-ATCATTACATAGCTTTGAGGGTTTATCAAAAATT-ATTCTT	81418
Lion	TGCATGCTGATTTATTTTGCATGGTCTTTAATTTAAT-ATCATTACATAGCTTTGAGGGTTTATCAAAAATT-ATTCTT	76249
Vaquita	TGCATGCTGATTTATTTTGCATGATCTTTAATTTAAT-ATCATTACATAGCTTTGAGGGTTTATCAGAGATT-ATTCTT	73922
Pig	TGCATGCCGATTTATTTTGCATGGTCTTTAATTTAATTATCATTACATAGCTTTGAGGGTTTATCAAAAATTTATTCTT	73921

Majority	TTCAAAATTCACCTGTTCAAAATCTTGATCTTCTTTATTCAATTTGTGAGAATGATGAGTTTGAATGAGTGATCATGTTGAT	
	105690 105700 105710 105720 105730 105740 105750 105760	
Human	TTCAAAATTCACCTGTTCAAAATCTTGATCTTCTTTATTCAATTTGTGAGAATGATGAGATTGA- - - GTGATCATGTTGAT	85701
PolarBear	TTCAAAATTCACCTGTTCAAAATCTTGATCTTCTTTATTCAATTTGTGAGAATGATGAGTTTGAATGAGTGATCATGTTGAT	43473
Cow	TTCAAAATTCACCTGTTCAAAATCTTGATCTTCTTTATTCAATTTGTGAGAATGATGAGTTTGAATGAGTGATCATGTTGAT	80609
Dog	TTCAAAATTCACCTGTTCAAAATCTTGATCTTCTTTATTCAATTTGTGAGAATGATGAGTTTGAATGCGTGATCATGTTGAT	73634
BelugaWhale	TTCAAAATTCACCTGTTCAAAATCTTGATCTTCTTTATTCAATTTGTGAGAATGATGAGTTTGAATGAGTGATCATGTTGAT	72707
Donkey	TTCAAAATTCACCTGTTCAAAATCTTGATCTTCTTTATTCAATTTGTGAGAATGATGAGTTTGAATGGGTGATCATGTTGAT	81805
Cat	TTCAAAATTCACCTGTTCAAAATCTTGATCTTCTTTATTCAATTTGTGAGAATGATGAGTTTGAATGAGTGATCATGTTGAT	78644
Ferret	TTCAAAATTCACCTGTTCAAAATCTTGATCTTCTTTATTCAATTTGTGAGAATGATGAGTTTGAATGAGTGATCATGTTGAT	81498
Lion	TTCAAAATTCACCTGTTCAAAATCTTGATCTTCTTTATTCAATTTGTGAGAATGATGAGTTTGAATGAGTGATCATGTTGAT	76329
Vaquita	TTCAAAATTCACCTGTTCAAAATCTTGATCTTCTTTATTCAATTTGTGAGAATGATGAGTTTGAATGAGTGATCATGTTGAT	74002
Pig	TTCAAAATTCACCTGTTCAAAATCTTGATCTTCTTTATTCAATTTGTGAGAATGATGAGTTTGAATGAGTGATCATGTTGAT	74001

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Majority	GTCTGAATGTTTCATTAATATGTCAGAAAGATAATCTTTAGCTGACTTGCACGTAAAA- TTAATTCCATTTTTGGATTAC								
	105770	105780	105790	105800	105810	105820	105830	105840	
Human	GTCTGAATGTTTCATTGATATGTCAGAAAGATAATCTTTAGGTGACTTCCACATAAAA- TTAATTCCATTTTTGGATTAC								85780
PolarBear	GTCTGAATGTTTCATTAATATGTCAGAAAGATAATCCTCAGCTGACTTGCATGTAAAA- TTAATTCCATTTTTGGATTAC								43552
Cow	GTCTGAATGTTTCATTAATATGTCAGAAAGATAATCTTTAGCTGACTTGCACATAAAAAATTAATTCCATTTTTGGATTAC								80689
Dog	GTCTGAATGTTTCATTAATATGTCAGAAAGATAATCTTGAGCTGACTTGCATGTAAAA- TTAATTCCATTTTTGGATTAC								73713
BelugaWhale	GTCTGAATGTTTCATTAATATGTCAGAAAGATAATCTTTAGCTGACTTGCACGTAAAA- TTAATTCCATTTTTGGATTAC								72786
Donkey	GTCTGAATGTTTCATTAATGTGTCAGAAAAATAATCTTTAGCTGACTTGCACATAAAA- TTAATTCCATTTTTGGATTAC								81884
Cat	GTCTGAATGTTTCATTAATATGTCAGAAAGATAATCTTCAGCTGACTTGCATGTAAACA- TTAATTCCATTTTTGGATTAC								78723
Ferret	GTCTGAATGTTTCATTAATATGTCAGAAAGATAATCTTCAGCTGACTTGCATGTAAAA- TTAATTCCATTTTTGGATTAC								81577
Lion	GTCTGAATGTTTCATTAATATGTCAGAAAGATAATCTTCAGCTGACTTGCATGTAAACA- TTAATTCCATTTTTGGATTAC								76408
Vaquita	GTCTGAATGTTTCATTAATATGTCAGAAAGATAATCTTTAGCTGACTTGCACGTAAAA- TTAATTCCATTTTTGGATTAC								74081
Pig	GTCTGAATGTTTCATTAATATGTCAGAAAGATAAACTTTCCCTGACTTGCACATAAAA- TTAATTCCGTTTTGGATTAC								74080

Majority	CTCTCTGTGGCTCCAAAA- AAGGTGTTTATGGAGATGTGCAGCGTGTGAAGATTTTGTACAATAAGAAAGACAGTGCTCT								
	105850	105860	105870	105880	105890	105900	105910	105920	
Human	CTCTCTGTGGCTCCAAAA- AAGGTGTTTATGGAGATGTGCAGCGTGTGAAGATTTTATACAATAAGAAAGACAGCGCTCT								85859
PolarBear	CTCTCTGTGGCTCCAAAA- AAGGTGTTTATGGAGATGTGCAGCGTGTGAAGATTTTGTACAATAAGAAAGACAGTGCTCT								43631
Cow	CTCTCTGTGGCTCCAAAA- AAGGTGTTTATGGAGATGTGCAGCGTGTGAAGATTTTGTACAATAAGAAAGACAGTGCTCT								80768
Dog	CTCTCTGTGGCTCCAAAA- AAGGTGTTTATGGAGATGTGCAGCGTGTGAAGATTTTGTACAATAAGAAAGACAGTGCTCT								73792
BelugaWhale	CTCTCTGTGGCTCTAAAATAAGGTGTTTATGGAGATGTGCAGCGTGTGAAGATTTTGTACAACAAGAAAGACAGTGCTCT								72866
Donkey	CTCTCTGTGGCTCCAAAA- AAGGTGTTTATGGAGATGTGCAGCGTGTGAAGATTTTGTACAATAAGAAAGACAGTGCTCT								81963
Cat	CTCTCTGTGGCTCCAAAA- AAGGTGTTTATGGAGATGTGCAGCGTGTGAAGATTTTGTACAATAAGAAAGACAGTGCTCT								78802
Ferret	CTCTCTGTGGCTCCAAAA- AAGGTGTTTATGGAGATGTGCAGCGTGTGAAGATTTTATACAATAAGAAAGACAGTGCTCT								81656
Lion	CTCTCTGTGGCTCCAAAA- AAGGTGTTTATGGAGATGTGCAGCGTGTGAAGATTTTGTACAATAAGAAAGACAGTGCTCT								76487
Vaquita	CTCTCTGTGGCTCTAAAATAAGGTGTTTATGGAGATGTGCAGCGTGTGAAGATTTTGTACAACAAGAAAGACAGTGCTCT								74161
Pig	CTCTCTGTGGCTCCAAAA- AAGGTGTTTATGGAGATGTGCAGCGTGTGAAGATTTTGTACAATAAGAAAGACAGTGCTCT								74159

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Majority	AATACAGATGGCTGATGGAAACCAATCACAACCTTGGTAAGATTAAGCTATGTGTTATCTAT-ACATCTTTAAATCTGATT										
	105930	105940	105950	105960	105970	105980	105990	106000			
Human	AATACAGATGGCTGATGGAAACCAATCACAACCTTGGTAAGATTAAGCTATGTTTTATCTAT-ACATCTTCACTTCTGCTT										85938
PolarBear	GATACAGATGGCCGATGGAAACCAATCACAACCTTGGTAAGATTAAGCTATGTGTTATCTAT-ACATCTTTAAGTCTGAAT										43710
Cow	AATACAGATGGCTGATGGAAACCAATCACAACCTTGGTAAGATTAAGCTATGTGTTATCTAT-ACGCTTCA-ATCTGATT										80846
Dog	GATACAGATGGCTGATGGAAACCAATCACAACCTTGGTAAGATTAAGCTATGTGTTATCTATTACATCTTTAA- - - - - AT										73866
BelugaWhale	AATACAGATGGCTGATGGAAACCAATCACAACCTTGGTAAGATTAAGCTATGTTATCTGT-ACATCTTTAAATCTGATT										72945
Donkey	AATACAGATGGCTGACGGAAACCAATCACAACCTTGGTAAGATTAAGCTGCGTGATATCTAT-ATGTCTTTAAATCTGATT										82042
Cat	GATACAGATGGCTGATGGAAACCAATCACAGCTTGGTAAGGTTAAACA- - GT- - TACCCAT-ACGTCTATAAATCTGAAT										78877
Ferret	GATACAGATGGCTGATGGAAACCAATCACAACCTTGGTAAGATTAAGCTGTGTGTTAGCTAT-ACATCTTTAAATCTGAAT										81735
Lion	GATACAGATGGCTGATGGAAACCAATCACAGCTTGGTAAGGTTAAACA- - GT- - TACCCAT-ACGTCTATAAATCTGAAT										76562
Vaquita	AATACAGATGGCTGATGGAAACCAATCACAACCTTGGTAAGATTAAGCTATGTTATCTAT-ACATCTTTAAATCTGATT										74240
Pig	AATACAGATGGCCGATGGAAACCAATCACAACCTTGGTAAGATTAAGCTATGTTATCTAT-ACATCTTCAAGATCTGATT										74237

Majority	TCAAATATATAA-XTAAACCTGTGAATAGAAATAAAXACX- - - - - TTT- - - - - ATATTAGTXAGA-										
	106010	106020	106030	106040	106050	106060	106070	106080			
Human	TCAAATGCATAATGTGAATGTGCGAATAAAAATAAACTCC- - - - - TTT- - - - - ACATCAGTAAGA-										85993
PolarBear	CTGTTAATAAAA-ACAAACCCCTTTATGGCAGTAAGAA- - - - - ACTATTT- - - -										43754
Cow	TCAAATGTATAATGTAAACCTGTGAATAAAAACAACTCC- - - - - TTT- - - - - ATATCAGTAAGA-										80901
Dog	CTGTTAATAAAA-AAAAACCCCTATTATGGCAGTAAGTG- - - - - ATTCTTT- - - -										73910
BelugaWhale	TCAAATATATAATCTAAACCTGTGAATATAAACAACTC- - - - - TTT- - - - - ATATTAGTAAGA-										72999
Donkey	TCAAATATATAATGTAAATCTGTGAATAGTAAGAAACCATTTGTTTTCTTAATAGCCAGGGCTCAAATGTCATGTTAAT										82122
Cat	CTGTTAATAAAA- TCAAACCCCTTTATGGAAGTAAGAACCCTTTATTTAC- - - - - TCATTCATTGATT										78938
Ferret	CTGTTAATAAAA-ACAAACCCCTTTATGGAAGTAGAAA- - - - - ATCATTC- - - -										81779
Lion	CTGTTAATAAAA- TCAAACCCCTTTATGGCAGTAAGAACCCTTTATTTAC- - - - - TCATTCATT- - - -										76619
Vaquita	TCAAATATATAATCTAAACCTGTGAATATAAAC- - - - - TTT- - - - - ATATTAGTAAGA-										74288
Pig	TCAAATATATAA- - - - - GTCTATGAATAAAGA- AAAGCCC- - - - - TTT- - - - - ATATCAGTAAGA-										74286

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Majority	----- AXCXATTTTTTTT-----								
	106090	106100	106110	106120	106130	106140	106150	106160	
Human	----- A- ATTATTTT-----								86002
PolarBear	----- TTTTTT-----								43760
Cow	----- AGCTGTTTATT-----								80912
Dog	----- TTTTTTTT-----								73918
BelugaWhale	----- AGCCATTTATT-----								73010
Donkey	TTTCATGTTGTCTTTTTGGAGGAAGATTAGCCCTGAGCTGACTACTGCCACTCCTCCTCTTTTTGCTGAGGAAGACTGGC								82202
Cat	CATTCATTCATTTATTTA-----								78956
Ferret	----- TTTTTT-----								81785
Lion	CATTCATTTATTTATTTA-----								76637
Vaquita	----- AGCCATTTATT-----								74299
Pig	----- AACCATTTTTTT-----								74298

Majority	----- AATAGCCAG----- GGCTCAA----- AATGTCA								
	106170	106180	106190	106200	106210	106220	106230	106240	
Human	----- AATGGCCAG----- GGCTCAA----- AATGTCA								86025
PolarBear	----- ATAGCTG----- GGCTCAA----- AATGTCA								43781
Cow	----- AATAGCCAG----- GGTTCAC----- AGTGTCT								80935
Dog	----- TTTTTTTTGATAGCCG----- GGTTCAA----- AATGTCA								73948
BelugaWhale	----- AATAGCCAG----- GGTTTAA----- AATGTCA								73033
Donkey	CCTGAGCTAACATCCATACCCATCTTCCTCTACTTTATATGTGGGATGCCTACCACAGCATGGCTTGACAAGTGATGCCA								82282
Cat	----- TTATTTTGGATAGCCAA----- GGCTCAA----- AATGGCA								78987
Ferret	----- ATAGCTG----- AGCTCAA----- AATGTCA								81806
Lion	----- TTATTTTGGATAGCCAA----- GGCTCAA----- AATGGCA								76668
Vaquita	----- AATGGCCAG----- GGTTCAA----- AATGTCA								74322
Pig	----- AATAGCCAG----- AGTTCAA----- GATGTCA								74321

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Majority	TGT-----	
		106250 106260 106270 106280 106290 106300 106310 106320
Human	TTT-----	86028
PolarBear	TGT-----	43784
Cow	TGT-----	80938
Dog	TGT-----	73951
BelugaWhale	TGT-----	73036
Donkey	TGTCCGCACCTGGGATCCGAACCGGCGAACCCCTGGGTCAACAAAGCGGAACATGCAAACCTAACATCTGCGCCACTGGGC	82362
Cat	CGT-----	78990
Ferret	TGT-----	81809
Lion	CGT-----	76671
Vaquita	TGT-----	74325
Pig	TTT-----	74324

Majority	----- TAATTTTCATATTTTAATGTGAXTXGTTGTACATGATGAACATATTTGTATTTTTCTGCTGTCCTCTTA- CCA	
		106330 106340 106350 106360 106370 106380 106390 106400
Human	----- TAATGTGA-ATA- --- GTTGTATGTGACGAACATATTTGTATTTTTCTGCTATCCTCCTA- CTG	86086
PolarBear	----- TAATTGTCATATTTTAATGTAT- --- TTATACATGATAAACATGTTTGTA- TATTCTGCTGTCCTCTTA- CCT	43851
Cow	----- TAATTTTCATATTTTAATATGTATAGTTGTACATGATGAACATATTTGTATTTTTGTGCTATTCTCTTA- CCA	81010
Dog	----- TAATTTTCATATTTTAACATAT- --- TTATACACGATGACCATGTTTGTA- TTTTCTCCTGTCCTCTTA- ACA	74018
BelugaWhale	----- TAATTTTCATATTTTAACATGAATAGTTGTACACGATGAACATATTTGTATTTTTCTGCTGTCCTCTTAACCA	73109
Donkey	TGGCCCTTAATTTTCATGTTCTAATGTGAATAGTTGTACATGATGAACATATTTATATTTTTCTGCTATCCTTTTC- CTG	82441
Cat	----- TAATTTTCGTATTTTAATGC- ----- ATGATGAATATGTTTGTGGTTTTCTGCTGTCCTCTTA- CCA	79050
Ferret	----- TAATTTTCCTATTTTAATGTAT- --- TTATACATGATGAACATGTTTGCA- TATTCTGCTGTCCTCTTA- CCA	81876
Lion	----- TAACTTTCGTATTTTAATGCGAGTCATTATACATGATGAATATGTTTGTGGTTGTCTGCTGTCCTCTTA- CCA	76743
Vaquita	----- TAATTTTCATATTTTAACATGAATAGTTGTACATGATGAACATATTTGTATTTTTCTGCTGTCCTCTTAACCA	74398
Pig	----- TAATTTTCATATTTTAATGTGAATAGTTGTACATGATGAACATATTTGTATTTTTCTGCTTTCCTCTTA- CCA	74396

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Majority	TTCCTTAAGTACAXTC- TAATGGAAAAAGGTTTT- GGCTCCAAAATTGCAATAACAATTTACATAAGAATT- ATGACAT								
	106410	106420	106430	106440	106450	106460	106470	106480	
Human	TTTTTCAAATGCACTCATAATAGGAAGAGATTTT- AGCTTCAAATTTGTAATAATAGTTTTACATGAGAATT- ATATCAT								86164
PolarBear	AGCCTCAGGTACAATC- TAATGGAAAAAGGTTTTG- GGCTCCAAAATGGCAGTAACAGTTTTACATAATAATG- ATAGCAT								43928
Cow	TTTCTTGCTCGGAGTT- TAATGGAAAAAGGTTTT- GGCTTCAAGATTGAAATAACAGTTTTACCTAAGAATT- ATGATAT								81087
Dog	ATCCTCAAGTACAATC- TAATGG- - - AAGATTTG- GCCTCCAAAATTGTAGTAATCGTTTTACATAAGAAGG- GTAGCGT								74092
BelugaWhale	TTTCTTGTGTGAAGTC- TAAGGAAGAAATGTTTT- GGCTTCAAATTTACAATAACAATTTACATAAGAATT- ATGACAT								73186
Donkey	TTTCTTAGGTGCAGTC- TAACGGAAAAAGGTTTT- GGCTCCAGAATTGCAGTAACAATTTGCACATAAAGAATTATGATGT								82519
Cat	TTCCTCAAGTACAATC- CAGTGGAAAAAGGTTTA- GGCTCCAGAATTGCAATAATAATTTACATAAGAATT- ATGACAT								79127
Ferret	ATCCTTAAGTACAATC- TAATGGAAAAAGGTTTTG- GAGTCCAAAATTGCAGTAACAG- - T- - - - AATAATG- ATACTAC								81946
Lion	TTCCTCAAGTACAATC- CAGTGGAAAAAGGTTTA- GGCTCCAGAATTGCAATAATAATTTACATAAGAATT- ATGACAT								76820
Vaquita	TTCCTTGTGTGAAGTC- TAAGGAAGAAATGTTTT- GGCTTCAAATTTACAATAACAATTTACATAAGAATT- ACGACAT								74475
Pig	ATTTTTGGGCAGAGTC- TGATGGTAAAAGGTTTTTGGCTCCAAGATTGCAGTAACAATTTACGGAAGAATTTATAACAT								74475

Majority	TTATATTA- GATCCTTAGTGTTTTTTCATTCCCTGGTTACTCCCTGT- AATAGAAGTTAACTGTTC- - - - - - ATATA								
	106490	106500	106510	106520	106530	106540	106550	106560	
Human	TTATATTGAA- GATTCATAGTGATTTTTATT- CTAGGTA- CTCTTGTTAATAGAGGCTAACTGTTC- - - - - - ATACA								86233
PolarBear	TTATATTA- GATCCTTAGTGTATTTCTTTCTGGTTACTCTTTAC- AATAGAAGTTAACTGTTC- - - - - - ATTTG								43997
Cow	ATATATTA- GATCCTTAGTGTATTTCTTTCTGGTTACTCCCTAT- AATTGAAGTTAACTGTTC- - - - - - ATATA								81157
Dog	TTATATTA- GATCCTTAGTATCTTTCTTTCTGGTTACTCCCTGT- AATAGAAGGTTAACTGTTC- - - - - - ATATA								74161
BelugaWhale	ACATATTA- GATCCTTAGTGTTTTTTCATTCCCTGGATACTCCTTGT- AATCAAAGTTAACTGTTC- - - - - - ATATA								73255
Donkey	TTAAATTA- CATCTTAGTGTTTTTTCATTCCCTGGTTACTGCCTGT- AATATAAGTTAACTGTTTCTGTCGTCCATATA								82597
Cat	TTGTATTA- GATCCCTACTGTTTTTTCATTCCCTACTTACTCCCTGT- GATAGAAGTTAACTGCTATGCTAA- - - ATATA								79202
Ferret	TTACATTA- GATCTTAGTATTTTTCTTTCTGGTTACTCTCTAT- AATAGAAGTTAACTGTTC- - - - - - ATATA								82015
Lion	TTGTATTA- GATCCCTAGTGTTTTTTCATTCCCTACTTATTCTCTGT- GATAGAAGTTAACTGCTAGGCTAA- - - ATATA								76895
Vaquita	ACATATTA- GATCCTTAGTGTTTTTTCATTCCCTGGATACTCCTTGT- AATCAAAGTTAACTGTTC- - - - - - ATATA								74544
Pig	TTATATTA- GATCCTTAGTGGTTTTTCATTCCAGTTACTCCCTAT- AGTCAAAGTTAACTGTTC- - - - - - ATGTA								74544

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Majority	GTCCATGGAATCCTGATTAATGTTATGTTXTTTTAATTCTTCTAAATTTTTXTXTAAXTTTTXTACT- XAA- - - A- X- - X								
	106570	106580	106590	106600	106610	106620	106630	106640	
Human	GTCCATAGAATCCTTCTTAATGCCATGTT- - - - -	- - - - -	ATTT- - - - -	TAATTCCTTCTA- - - - -					86277
PolarBear	GTCCATGGAATCCTGGTT- - - - -	TTAATT- - - - -	ATTCT- - - - -	AAGTATTTGTCTAAACTTAGTAATGGAA- - - - -	A- - - - -				44055
Cow	GTCCATGGGATCCTGATTAACGCCATGTTAATTTAATTCTTCTAAAGTCATTTGAAAGTATTTGA- - - - -	ACTTAG							81228
Dog	GTCCATGGAATCCTGATTAATGTGAAATT- - - - -	TTAATTC A- - - - -	AAATATTTGTCTAAACCTAGTATTGGAA- - - - -	AATGGA					74232
BelugaWhale	GTCCACGGAATCCTGATTAACGCTGTGTTATTTAATTCTTCTAAAGTCATTTGCAAGTATTTAACT- - - - -	AA- - - - -	ACTTAG						73330
Donkey	GTCCATGGAATCTTGATTAATGTCATGTT- TTTTAATTCTTCTAAATCG- TTTGTAAGGTTTAGGCTAAACTGTGTAATG								82675
Cat	GTCCATGGAGTCCTGATTAATGTGGTGTATCTTAATTCTCCTAGATTTTTG- CTAAACTTAATG- - - - -	GAA- - - - -	A- - - - -						79270
Ferret	ATCTATGGAATCCTGATT- - - - -	TTAATT- - - - -	ATTCT- - - - -	AAGTATTTGTCTAAACTTAGTAACGGAG- - - - -	A- - - - -				82073
Lion	GTCCATGGAGTCCTGATTAATGTGGTGTATCTTAATTCTCCTAGATTTTTG- CTAAACTTAATAATAGAA- - - - -	A- - - - -							76966
Vaquita	GTCCATGGAATCCTGATTAACGCTGTGTTATTTAATTCTTCTAAAGTCATTTGCAAGTATTTAACT- - - - -	AA- - - - -	ACTTAG						74619
Pig	GTCCATGGAATCCTGATTAACAC- - - - -	TGTTGTTTCAATTCTTCTAAATTC- CTGTAAGTGTTGACT- - - - -	AA- - - - -	ATTTAG					74616

Majority	- AAXGAGTCACATGGAAAATGTATTTTAGAGATACCAGGTTXTT- ACAAATGAAAACTTGTGCCAAATACA- - - - - CC								
	106650	106660	106670	106680	106690	106700	106710	106720	
Human	- - - - - AAGTCTTGCG- - - - -	- - - - -	ATACCAGGTTCTT- AGAAAATGAAAAGCTTGTGCTAAAAACA- - - - -	CT					86330
PolarBear	- - - - - GAATCACATGGAAAATGTATTTTAGAGGTACCAGGTTTCT- ACAAATGAAAACTTGTGCCACATACA- - - - -	CC							44125
Cow	TAAAGAGTTACATG- - - - -	AGTGTATTTTAGAGATAGCAGGTTACT- ATAAAATGAAAACTTAAACTAAATGCC- - - - -	CC						81299
Dog	AAATGAGTCACATGGAAAATGTATTTTAGAGATACCAGATTTTTTACAGAATGAAGAACTTGTGCTAGACAGG- - - - -	CT							74307
BelugaWhale	TAAAGAGTCACATGGGAAAATGTATTTTAGAGATACCAGGTTCTT- ATAAAATGAAAAATTTACACCAAATACC- - - - -	CC							73404
Donkey	GAAAGAGTCAAATGGAAAATGTGTTTTAGAGATACCACGTTCTT- ACGAAATGAAAAATTTACACCAAGTACA- - - - -	CC							82749
Cat	- - - - - GAGTCACATGGAAAACGTATTTTAGGGTACTAGGTTTTT- ACAAATGAAAACCTTGTGCCACATACAATACACC								79345
Ferret	- - - - - GAGTCACATGTAAAATGTATTTTAGAGATACTGGGTTTTT- ACAAATGAAAACCTTGTGCCACATATA- - - - -	CC							82143
Lion	- - - - - GAGTCACATGGAAAACGTATTTTAGGGTACTGGGTTTTT- ACAAATGAAAACCTTGTGCCACATACAATACACC								77041
Vaquita	TAAAGAGTCACATGGGAAAATGTATTTTAGAGATACCAGGTTCTT- ATAAAATGAAAAATTTACACCAAATGCC- - - - -	CC							74693
Pig	TAAAGAATCACATGG- - - - -	AAAATATTTTAAAGATACCAGGTTCTT- ATAGAAAAGAAAACGTGCTCAAAGTACA- - - - -	TC						74688

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Majority	ATTGT- - TAATCCCTTTT GGAATCTTAAAATGTACTTXAGTCAAGTTACACTT- ATATTATTA- CTTAXXTA- - - AATAA								
	106730	106740	106750	106760	106770	106780	106790	106800	
Human	GTTGT- - TAATCCCTTTTGGGAATCTTAAAAGGCACCTTTAGTCAGGTTACACTTTATATCATT- CTTAAATAAGTAATTG								86407
PolarBear	ATTGT- - TAATCCCTTTT GGAATCTTAAAATGTACTTGAGTCAAATTACACAT- ATATTCTTT- CTTAGGTA- - - AATAT								44198
Cow	ACTTT- - AATCCTTTTT- GGAACCTTAAAATGTACTTCA- ACAAGTTTCACTT- ACATTATTA- GATAAATAAGTGATCA								81373
Dog	GTTGTGTTAATCCCTTTT GGAATCTTAAAATGTACTTAAAGTCCA- TTATACTT- CCATTAAATATTTACGTT- - - AATAA								74382
BelugaWhale	ACTGT- - TAATCCTTTTTGAAATCTTAAAATGTACTTCAGACAAGTTACACTT- ATACTATTA- GATAAATAATTGATGA								73480
Donkey	ATTGT- - TAATCCCATTTGGAATCTTAAAATGTACTTTAGTCACGTTACACTT- AAATTATTA- TTTAGATAAATGATTG								82825
Cat	ATTGT- - TAATCCCTTTT GGAATCTTAAAATGTACTGTAGTCAAATTACACTT- ACATTCTTAACTTAGGTA- - - AGTAT								79419
Ferret	ATTGG- - TAATCCCTTTT GGAATTTTTAAAATGTACTTGAGTCAAATTACACAT- ATATTCTCTACTTAAGTA- - - AATAA								82217
Lion	ATTGT- - TAATCCCTTTT GGAATCTTAAAATGTACTGTAGTCAAATTACACTT- ACATTCTTAACTTAGGTA- - - AGTAT								77115
Vaquita	ACTGT- - TAATCCTTTTTGAAATCTTAAAATGTACTTCAGACAAGTTACACTT- ATACTATTA- GATAAATAATTGATGA								74769
Pig	ACTGT- - TAATCCCTTT- GCAATCTTAAAATTTACTTCAGACAGGTTACACTT- TTCTTATTA- GATAGTT- - - - GATGA								74759

Majority	TTTAAT- - - - - TAA- - - TATXTCATTTGACTTCATACACAAAGTCAGATCACATAAATCTGGAATACAXCTGCATATTCA								
	106810	106820	106830	106840	106850	106860	106870	106880	
Human	ATTATTTTAATTAACCTTATGTCGTTT GACTTCATACAT- - - CCTCGAATACATAAATCTAGAACACACCTGCACATTCA								86484
PolarBear	TTTAA- - - - - - - - - - - TGTACCATTTGACTTTAGATACAAAGTCAGATCACATAAATTTGGAATACAACCTGCATATTCA								44266
Cow	CTTAAT- - - - - TAG- - - CATCTCATTCAACTTCATGCATAAAGTCAAATCACATTAATCCAGAAGGTAGTT- - - - - - - - -								81436
Dog	- - GAA- - - - - - - - - - - TGTATCATTTGATTCTATACACGAAGTCAGATCGCATAAATATGGTATACAGCTATGTATTCA								74448
BelugaWhale	CTTAAT- - - - - TAA- - - CATCTCGTTTGAATTCATGCACAAAGGCAAATTACATAAATCTAGAAATGTAGCTGCATAGTCA								73552
Donkey	ATGATTTTAATTAA- - - TATTGCATTTGACTTCATACACAAAGTCAAATCACATAAATCTAGAAATACAACCTGCAAACCTCA								82902
Cat	TTTAATTAATTAA- - - TGCATCATTTGCCTTCATACACAAAGTCAGATCAC- - - AATCTGGAATACAACGACACATTCA								79494
Ferret	TTCA- - - - - - - - - - - TGTTCATTTGTCTTTATATACAAAGTCAGATCACATGAATCTGGAATACAACCTGCATATTCA								82284
Lion	TTTAATTAATTAA- - - TACATCATTTGCCTTCATACACAAAGTCAGATCACATAAATCTGGAATACAACCTACACATTCA								77192
Vaquita	CTTAAT- - - - - TAA- - - CATCTCGTTTGAATTCATGCACAAAGCCAAATCACATAAATCTAGAAATGTAGCTGCATATTCA								74841
Pig	TTTAAT- - - - - TAA- - - TATCTCATATGACTTCCTCTGCAAAGGCTGATCAC- TAAATCTGTAGAGTAGCTGCATAATCA								74830

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Majority	CAGT- GTGAT- TGACTGTAAATXTCAGTATGTTCTT- AGCTTATAATTCTGTTCAATTGAGATTCAGGGATGATGGTGCCT								
	106890	106900	106910	106920	106930	106940	106950	106960	
Human	CACCAGT	GAT- TGACTGTAAATGCCAGGATGTT- - - - -	CTTACATTTCTGTTCAATTGAGATTCAGGGATAATGGTGCCT	86557					
PolarBear	CAAT- GTGGTAAGACTGTAAATATCA- - -	TGTTCTT- AGCTTATAATTCTGTTCAATTGAGATTAACGGATGATGATGCCT	44341						
Cow	- AGT- GTGAT- TGACTGTAAATGTCAGTATGATGTT- AGCTTATAATTCTGTTCAATTAAGATTTGGGGATGATGGTACCT	81512							
Dog	CAAT- GTGATACGACTGTAAATATTA- - -	TGTTCTT- AGCTTATAATTCTGTTCAATTGAGATTTGGGCATGATGATGGCT	74523						
BelugaWhale	TGGT- GTGAT- TGACTGTAAA- GTC AATATGTTCTT- AGCTTATAATTCTGTTAGTTGAGATTTGGCGATGATGGTACTT	73628							
Donkey	CAAT- GTGAT- TGACTATCAG- - TGG- - - -	GTTCTC- AGCTTACAGTTCTCTTCATGGAGATTCAGAGATTATGGTGCCT	82973						
Cat	CAGT- GTGATAAGACTGTAAATATCAGTATGATCTTTAGCTTGT AATTCTGTTCAATTGACATTC- - GG- - - - -	TGCCT	79564						
Ferret	CAGT- GAGCTAAGACTGTAAATATCA- - -	TGTT- - - - -	CTTATAATTCTTTTCATTGAGATTCAGGGATGATGATGCCT	82354					
Lion	CAGT- GTGAGAAGACTGTAAATATCAGTATGATCTTTAGCTTGT AATTCTGTTCAATTGACATTC- - GG- - - - -	TGCCT	77262						
Vaquita	TGGT- GTGAT- TGACTGTAAA- GTC AATATGTTCTT- AGCTTATAATTCTGTTAGTTGAGATTTGGCGATGATGGTACTT	74917							
Pig	CAGT- ACAAT- TGACTATAAATGTCAGTATGTTCTT- AGATAATAATTCTGTTCAATTGAGATTCAGGGATGATAGTACCT	74907							

Majority	CAGAXTGGTTGTXTTCACXTTGTTAATTTTGAAATTTGCCATTTTGGATGTAAGGACTAGTGTATTTTGGCTCTTA- - TA								
	106970	106980	106990	107000	107010	107020	107030	107040	
Human	CAGACTGATTGTATTCACATTGTTAATTTGTAAATTTGCCATTTTGGATGTAAGGACGAGTGTATTTTGGCTCAGAGATG	86637							
PolarBear	CATATTGGTTGTTTCCACGTTGTTAATTCTGAAATTCGTTATTTTGGATGTAAGGGCGG- TGTATTTTGGCTCTTAA- CA	44419							
Cow	CAGACTGTGTGTA CT CACATCATT AATTTGAAATTTGCCATTTTG- - - - -	TGCTGTTA- - TA	81568						
Dog	CAAATTTGGTTGCTTTTCACTTTTTT- - -	TTT GAAATTTGTCACTTTTGATGTAAGGAC- - -	TGTATTTTGGCTATTA- - CA	74595					
BelugaWhale	TAGATTGGGTGTA CT CACGTTATTAATTTGAAATTTGCCATTTTGGGGTAAAACTAGTGTATTTTGGCTATTA- - TA	73706							
Donkey	CAGACTA- - -	GTGTT CACAGTGTTAATTTGAAAGTTGCTATTTTGGATGTAAGGACTATTGTATTTTGGCTATTA- - CA	83048						
Cat	CAGGGTGGTTGTTTTCACGTT- - -	AATTT CGAAATTTGTCACTTATGACGTAATGACTAGTGTATTTTGGCTCTTA- - TG	79639						
Ferret	CATGTTGCTTGTTTTCACATTGTTAATTCTGAAATTTGTCATTTTTCATGTGAGGGCTA- TGTATTTTCTCTTAG- CA	82432							
Lion	CAGGTTGGTTGTTTTCACGTTGTTAATTT CGAAATTTGTCACTTATGACGTAAGGACTAGTGTATTTTGGCTCTTA- - TG	77340							
Vaquita	TAGACTGGGTGTA CT CACGTTATTAATTTGAAATTTGCCATTTTGGGGTAAAGACTAGTGTATTTTGGCTGTTA- - TA	74995							
Pig	CAGACTAGATATACTCACATCATT AATTTGAAAGTT CGCCATTTTCGATGTAAAACTAGT- TGTTTTTGGCTGTTA- - TA	74984							

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Majority	XCCAGTGAGACTCAX- AAAC TAG- AACATGAT- ATCTGGACCTTTTGGCCTTTGGXAT- - CAGATAGAX- - - TAAGTTTG									
	107050	107060	107070	107080	107090	107100	107110	107120		
Human	AACA	ACTT	GCTA	TATT	AGAC	CAAT	TTTT	GGCCTTTG	ACATCACATAGAAAATTTTGAATTTCAAACACAT- AATAGGTTTTG	86716
PolarBear	CCCAGT	GAAACT	CA- - -	AACTTG-	AACA- - - -	GTGT	GATATATTTGGCCTTTGGTAA-	- CAGA- - - - -	AGTAAGTTTTG	44482
Cow	TCCAGT	GAGATT	CAC-	AGACT	AACA	ATAT	GATAAACCAGACCTTTTAGCCTTTGGCAT-	- CAGATAGAA- - - - -	GTTTG	81639
Dog	CCCAAT	GAAATT	CAC-	AGACTTG-	AACG- - - -	GTAT	GATATATTTGGTCTTTG- - - - -	GA- - - - -	AAGTTTTG	74651
BelugaWhale	TCCAGT	GAGATT	CAC-	AACTA	AAGA	ACAT	GATGAACTAGACCTTTTAGCCTTTGGAGT-	- CAGAAGTAA- - - - -	GTTTG	73777
Donkey	TCCAAT	GAGACT	CAT-	AAATTA	AACA	ACAT	GAAATACTGGACCTTTTGGCCGTTGGAGT-	- CAGAAGTA- - - - -	AGTTTTTA	83120
Cat	CCCAGT	GGAGGT	CAT-	AACTTG-	AACAT	GAC-	ATATGGACCTTTTGGCGTTTGGTAT-	- CAGATAGA- -	AGTAAATTTG	79712
Ferret	CCCAGT	TAAACT	CAT-	AACTTG-	AACA- - - -	GTGT	GATATATTTGGCCTTTGGTAG-	- CAGATAGAAAAGTAA	AGTTTTG	82503
Lion	CCCAGT	GAAGGT	CAT-	AACTTG-	AACAT	GAC-	ATATGCACCTTTTGGCATTTTGGTAT-	- CAGATAGA- -	AGTAAATTTG	77413
Vaquita	TCCAGT	GAGACT	CAC-	AACTA	AAGA	ACAT	GATGAACTAGACCTTTTAGCCTTTGGAGT-	- CAGAAGTAA- - - - -	GTTTG	75066
Pig	TTCTGT	GAGACT	CAC-	AAGCC	AGCA	ACAT	GATGACCTAGACCTTTTAGCCTTTGGGAT-	- CAGACAGAAA-	TGAGTTTTG	75059

Majority	AATTTTCAGTGTTTCTTACCAGCTATCATGGTAGCTCAGACAAXGTATAAAACT- - ATACATCTGGCTCTCXACTTTTTTAA									
	107130	107140	107150	107160	107170	107180	107190	107200		
Human	AATTTT	AGTGTTT	CTTGG	CAATAGT	CTTAG	CAACTCAGAT	GAGGTATAAAACT- -	ATCCATCTGGCTGTCCA-	TTTTTAA	86793
PolarBear	AATTT	CATTGTTT	CTTACC	AGCTAT	CATGGT	AGCTCAGACA	ACATATAAAACT- -	ATACATCTGGCTCTCCACT	TTTTTAA	44560
Cow	AAATT	CAGT- -	TTCTT	ACCAGCT	ATTAG	GGTAG	CCCAGGCAATG- - - -	AATTGTCGGCAGCCCACAC-	CAGTACTCTTG	81711
Dog	AATTTT	CTTGTTT	CTTAC	CAACTG	TATGGT	AGCTCAGACA	ACACATAAAACT- -	ATACATCTGGCTCTTCACT	TTTTTAA	74729
BelugaWhale	AAATT	CTGTGTTT	CTTACC	AGCTATT	ATC-	CGTCTT- - -	TAGTG- - -	GAAGTTATATAAAAGT-	- - - - -	73833
Donkey	AATTT	CAGTG-	- T-	- AACC	AGCTATT	GTGGT	AGCTTAGACAGTGTATAAAGCTTT	TATACATCTGGCTGTCTAT	TTTTTAA	83196
Cat	AATTTT	ATTATTT	CTTACC	AGCTTT	CATGGT	AGCTCAGACA	ACGTATAAAACT- -	AGACCTCTGGCTCTCTGCT	TTTTTAA	79790
Ferret	AATTT	CATTATTT	CCTACC	AGCTAT	CATGGT	AGCTCAGACA	ACATGTAAACT- -	ATACATCTGGCTCTCTACT	TTTTTAA	82581
Lion	AATTTT	ATTATTT	CTTACC	AGCTTT	CATGGT	AGCTCAGACA	ACGTATAAAACT- -	AGACCTCTGGCTCTCTGCT	CTTTAA	77491
Vaquita	AAATT	CTGTGTTT	CTTACC	AGCTATT	ATC-	CATCTT- - -	TAGTG- - -	GAAGTTATATAAAAGT-	- - - - -	75122
Pig	AAATT	CAGTATTT	CTTACC	AGCTATT	ACAGT	AGCTCAGACA	AGTGTATAAAACTTT	TATACGTCTGGCTCTCCACT	TTTGTAA	75139

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Majority	AATGGAGATATCCATCTTTA- - - - - ATGAAAGATATXTAA- - - - - A- - - - AGTGCTAATCATGTC								
	107210	107220	107230	107240	107250	107260	107270	107280	
Human	AATGGTGGTATGTGTTTT- - - - -			A- AAGAGATACGA- - - - -		A- - - -	AGTGCTGATTATGTC		86839
PolarBear	AATGGAGAGATCTATCTTCA- - - - -			ATGAAAGATTTATAA- - - - -		A- - - -	AGTGTTAATCATGTC		44611
Cow	GCTGGGAAATCCCATGGAAG- - - - -			GAGGAACCTGGT- - - - -		A- - - -	GGCTCTGGTC- - - C		81755
Dog	AATGGAGATACCCATCTTTA- - - - -			ATGAAAGATATATAA- - - - -		ATAAAGAGT	GCTAATCAGGTC		74785
BelugaWhale	GCTGATGATGTC- - - - -			ATAGATGCTAATTAA- - - - -		A- - - -	TCTTTTCTTCT- - -		73872
Donkey	AATACAGATATCTGTCTTTAGAAATGTAAAGTGCTATATGAAAGATATGTATGAAAGATATGTAAAGCGCTGACCATATC								83276
Cat	AATGGAGATACCCGTCTTTA- - - - -			ATGAAAGATCTGTAA- - - - -		A- - -	AAAGTGCTAATCATGTT		79843
Ferret	AATGGAGATATCCATCTTCA- - - - -			GTGAAAGATTTATAA- - - - -		A- - - -	AGTGCTAATCATGTC		82632
Lion	AATGGAGATACCCATCTTTA- - - - -			ATGAAAGATGTATAA- - - - -		A- - -	AAAGTGCTAATCAAGTT		77544
Vaquita	GCTGATGATGTC- - - - -			ATAGATGCTAATTAA- - - - -		A- - - -	TCTTTTCTTCT- - -		75161
Pig	AATGGAGATACCTATCTTTA- - - - -			AAGGAACTTATTTAA- - - - -		A- - - -	CGTGCTGATCTTGTC		75190

Majority	CTAGATG- CCTAGTAAATX- - - - - TCCTTCTG- XTGTGTACACTTCTGTACTCTGGTAGGGGTAGTCATTGCCATTG								
	107290	107300	107310	107320	107330	107340	107350	107360	
Human	A- AGATA- CTTAGTACATATTTT- - - - -		CCTCTTTCTCTGTGTGCACTTCTGTACTCTGGTTGGAATAGTCATTGCTGTTG						86913
PolarBear	CTAGATG- CCTACC- - - - -		TTCTGCTG- CTTTGTATACTTCTGTGCTCTGGTAGGGGTAGTCATGGCCATTG						44676
Cow	ATG- GTG- TT- GCTAAGAG- - - - -		TC- - - - -	AGACACGACTG- - - - -			AGCGACTTCC- - -		81794
Dog	CTAGATG- CCTAGTAAA- - - - -		TCTTTTC- TTCTTTTGCTGTGTGTGCTCTGGTAGAGGTAGTCATGGCCATTG						74852
BelugaWhale	- - - - -		TCCT- CTGCTTGTGTACACTTCTGTACTCTGGTGGGTGTAGTCATTGCCATTG						73924
Donkey	ATAGATG- CTTAGTAAATC- - - - -		TTTCTCTGCTTGTGTACACTTCTGTACTCTGCTGGGGGTAGTGATTGCCATT-						83346
Cat	CTGGGTGTCCTCGTAAATCTTTTTTTCTCCCTCTG- CTGTGTATACTTCTGTACTCTGGTAAGGGTAGTCATGGGCATTG								79922
Ferret	CTAGATG- CCTAATAAATGT- - - - -		TTCTTCTG- CTGTGTGTATGTCTGTGCTCTGGTAGGGGTAGTCATGGCCATT-						82702
Lion	CTGGGTGTCCTTGTAAATCTTTTTTTCTCCCTCTG- CTGTGTATACTTCTGTACTCTGGTAAGGGTAGTCATGGCCATTG								77623
Vaquita	- - - - -		TCCT- CTGCTTGTGTACACTTCTGTACTCTGGTGGGTGTAGTCATTGCCATTG						75213
Pig	ATAAGTG- CTCATTAAATC- - - - -		TCCTTCTGGTTGTATACACTTCTGTACTCTGGTAGA- GTAGTCATTGCCATTG						75260

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Majority	TTTTATATACXTTGTAAGTAGCATTTTA- - - - - X- - TXCAAAGT- GXXAAAGCATTCTCAAATGTTTCATTTTTTTT-								
	107370	107380	107390	107400	107410	107420	107430	107440	
Human	TTTT	CATATATGTTGTAAGTAGCACTTAA- - - CA-	GTACTTCATAATAG- - - GAGTATTCTCAAATATGTCATTTTTTTT-						86985
PolarBear	TTTT	TATGTACATTGTAAATAGCATCTTA- - - - - - - - - - -	GAAAGC- ATTAAGCTTTCTCAAATGTTTCATTTTTTTT						44743
Cow	CTTT	CA- - - CTTTT- - - - - - - - - - -	CACCTT- - - - CATGCATTGTAGAAG- GAAATGGCAACCT- - - - -	ACTCCAGTGTCT-					81852
Dog	TTTT	TATATACGTTGTAAGAAGCATTTAA- - - - - - - - - - -	CAA- - - - - - - - - - -	AGCTTTCTCAACTGTTTCATTTTTTTT					74911
BelugaWhale	TTTT	TATAAACTTTGCGAGTAGCATTTTACAGTTTTTGTTTCATAGTTGTCAAAGCATTCTTAAATGTTTGATTTTCTT-							74003
Donkey	-	TTTTATATACATTGTAAGTAGCATTTTA- - - CA-	GTGCTTCATAGTTAAACAAAGCATTTCCAAATATTTTTTTTTTCT-						83420
Cat	CTTT	TATGTACATTGTAAGTAGCATTTAA- - - - - - - - - - -	AAAA- - - - - - - - - - -	ATATTTCTCACATGTTTCATTTTTTTT-					79981
Ferret	- - - - -	TGTAAGTAACATTTTA- - - - - - - - - - -	CAAAGC- ATTAAGCTTTCTCAGATGTTTCATTTTTTTT-						82755
Lion	CTTT	TATGTACATTGTAAGTAGCATTTAA- - - - - - - - - - -	AAAA- - - - - - - - - - -	ACATTTCTCAAGTGTTTCATTTGTTT-					77682
Vaquita	TTTT	TATAAACTTTGCGAGTAGCATTTTACAGTTTTTGTTTCATAGTTGTCAAAGCATTCTTAAATGTTTGATTTTCTT-							75292
Pig	TTTT	TATATCCTTTGTGAGTAGCATTTT- - - - -	CCCATGCTTCAGAGTTGACAAAACAGTCTCAAATATTTAAATTTTTT-						75335

Majority	- - - CATCACT- - - - GTGTGAGCTGTGGGTGGCATTACCCT- CAT- - - - ATAAAGGATAXACAGTCATTATGGTTGAGAAG								
	107450	107460	107470	107480	107490	107500	107510	107520	
Human	- -	CCCTAATT- - - -	GTTTGAGGTATGGGTGGCATTGTGTC- -	ATTTAAATAAGGGATGCATAGTCTTTATGGTTGGTAAT					87057
PolarBear	-	CTCATACCCACAGTGTGAGCTGTGGGTGGCATTACCCTTCAT- - - -	ATAAAGTATATACAAGCATCATGGTTGAGAAG						44818
Cow	- - -	TGCC- - T- - - -	GGAGAAACCCAGGGACGGAGGAGCCT- GGT- - - - - - - - - - -	GGGCTGC- - - - - - - - - - -	CGTCTGTGGGG				81904
Dog	TCT	CATCAGT- - - -	ATGGGAGCTGTGGG- GGTATTACCCT- CAT- - - -	ATAAAGGATATATAGTGGTTATGGTTGGGAAG					74981
BelugaWhale	- - -	CCTCATT- - - -	GTGTGAGCTGTGGGTGGCATTACCCT- CATGTAATAAAGGATACGTAATCATTACAGTTGAGAAG						74075
Donkey	- - -	CATCACC- - - -	TTATGATCTGTGGGTAACATTTCCCT- CATATAAATAAGGGAT- - - - -	CATTATGGTTGAGAAG					83485
Cat	-	CTCATCACT- - - -	GTGTGAGCTGTGGATGACATTACCCT- CAT- - - -	GTAAAGGATTTACAGTTATCATGGTTAAGAAG					80051
Ferret	- - -	CATCACT- - - -	GTGTGAGCTGTGGGTGGCATTACCCTTCAT- - - -	ATAAAGGATATATAGGCATCATGGTTGAGAAG					82824
Lion	-	CTCATCACT- - - -	GTGTGAGCTGTGGATGACATTACCCT- CAT- - - -	GTAAAGGATTTACAGTTATCATGGTTAAGAAG					77752
Vaquita	- - -	CCTCATT- - - -	GTGTGAGCTGTGGGTGGCATTACCCT- CATGTAAAGAAAGGATACGCAATCATTACAGTTGAGAAG						75364
Pig	- - -	TCTCATT- - - -	GTGTGAGCTATGGGTAGCATTACCCT- CATATAAATAAGGGATGCACAACATTATGTTTGAGAAG						75407

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Majority	T C- TCTGAGCTCTCTG- - - - XGGTTTCTCTT- - - CTTCTTATAAGGACACTAGTCTTATTGGATXAGGGCCTCAXCCTT	
	107850 107860 107870 107880 107890 107900 107910 107920	
Human	T CCACTGTGCAAGCACGTTAAGAGTCTCTT- - - - - CCCCTTGTAAAGGATCCTAGTCTGTGAATCAGGGCTTTACCCTT	87420
PolarBear	T CCTCTGAGTTCTCTG- - - - - GGTTTCTCTT- - - CCTCTTATAAGGACACTAGTCTAATTGGATGAGGGCCTCATCCGC	45138
Cow	T- - - - - CAGTCCTATA- - - - - TGACTCTTTGC- - - - - AACT- - - - - CCA- - - - - TGGA CTATAGCCT- - - - -	82110
Dog	- - - - - T- - - - - CTTCTTATAAGGACACTAGTCTAATTAGATGAGGGCCTCATCCTT	75103
BelugaWhale	TT- TCTCAGCCTCTGAGGCTCTGATTTCTCTTCTGTACTTATAAGGACACCAGTCTTATTGGATTAGGGCCTCACCCAT	74442
Donkey	T CCTCTGAGCTCTCTGG- - - - - TATCTTTTCTC- - - - - TTTTATAAGGACACCAGTCTTACTGGATTAGAGCTC- ACCCTT	83845
Cat	T CCTCTGAGCTCTCTG- - - - - GGTTTCTCTTCTCTTCTTCTAAGGACACTGGTCTTACTGGATGAGGGCCTCATCCTT	80370
Ferret	T- - - - - TGAGCTCACTG- - - - - GGTTTCTCTC- - - - - CCTCTTATAAGGACACTGATCTAACTGAATGAGGACCTCATCCTT	83125
Lion	T CCTCTGAGCTCTCTG- - - - - GGTTTCTCTTCTCTTCTTCTAAGGACACTGGTCTTACTGGATGAGGGCCTCATCCTT	78067
Vaquita	TT- TCTCAGCCTCTGAGGCTCTGATTTCTCTTCTGTACTTATAAGGACACCAGTCTTATTGGATTAGGGCCTCACCCAT	75725
Pig	TT- GCTCAGCCTTCGA- - - - - TAGCTCTTCTC- - - - - TACTTGCAAGAACACCAGTCTGTGGATTAGGGCCTCACCCCTT	75726

Majority	A- TGACCTCATTTAACCTTAATTACCTCCTT- AAAGGCCCTGTCTCCAGATA- - GTCACATTG- - GGATTAGAGCTTCAA	
	107930 107940 107950 107960 107970 107980 107990 108000	
Human	AATGACCACATTTAACCTTAATTACCTCCTT- AAAGGTCTGTTTTTAAGTACAGTTACATTG- GGGGTTAGGACTTCAA	87498
PolarBear	A- TGACCTCATTTAGCCTTCATTATCTCTTTAAAAGTCTGGTCTTTTGATG- - GTCATATTGTAGGATTAGAGCTTCAG	45215
Cow	- - - - - ACCAGGCTCCT- - - - - CTGTCCCTGAAAT- - GTTCCA- - - - -	82140
Dog	A- TGACCTCATTTAACCTTTTCAATTATCTCCCTTAAAGTCCCTGTCTTCAGATG- - GTCATTTTGCAGGATTAGAGCTTCAG	75180
BelugaWhale	G- TGACCTCATTTAACCTAAATTACCTCCTT- AAAGGCCCTGCCTCCAGGTA- - GTCACATTGAGGGATTAAGCTTCCA	74518
Donkey	A- TGACCTCATTTAACCTTAATTACTTCTT- GAAGGCCCTGTCTCCAAATA- - GTCATGTTGAAGGGTTAGAGATTTAT	83921
Cat	G- TGACCTTATTTAACCTTCA- - - - - CTATCTCCT- - - - - TAGAGCTTCAA	80410
Ferret	A- TGACCTCATTTAACCTTCA- - - - - AAGTCCCTGTCTTCT- - - - - A- - - - - GGATTAGAGTTTCAG	83176
Lion	G- TGACCTTATTTAACCTTCA- - - - - CTATCTCCT- - - - - TAGAGGTTTCAG	78107
Vaquita	G- TGACCTCATTTAACCTAAATTACCTCCTT- AAAGGCCCTGCCTCCAGGTA- - GTCACATTGAGGGATTAAGCTTCCA	75801
Pig	A- TGACCTCATTTAACCTAAATTGCCTCCTT- AAAGGCCCTGTCCCCAGATA- - GTCACATTGACAGGTTAGAGCTTTAA	75802

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Majority	GAATTTTAAAATTTAGTATGCTTTATTTCTGGGCTCTGTTCTCATTT- - - - TGGTTTTTCATAGGACTCTATTTGAAAT	
	----- ----- ----- ----- ----- ----- -----	
	108330 108340 108350 108360 108370 108380 108390 108400	
Human	- - - - - T- - - - CTATGGTGTACT- - ATTTAGTA- TGGTGTACTAA- - - - - AAAGATTATCA- - - AACTTGGTATTTAAAA	87842
PolarBear	GAATTTTAAAATTTAATATGCTTTATTTCTGGGCACTGTTCTTTT- - - - - - - - - GTTTTTCATACGACT- - GTTTGGAAAT	45527
Cow	- - - - - - - - - - - - - - - TATTCTTTTCTTCT- - - TTTTCTGCTTATGTACACTTGTGT- - - - - - - - - ACTCTGGTTAGGGAT	82341
Dog	GACATTTGAAAATGTAATATGCTTTATTTTTGGGCCCTATTTTCCTTT- - - - - TGGTTTTTCATAGGACTCTATTTGAAAT	75489
BelugaWhale	AATTTTTTTAAATGTAGTATACGTTTTTTATGGGCTCTGTTCTCATTCTTTTTGATTTTTACGGGACTCTGTTTGGAAAT	74904
Donkey	GACTTAAAAAATTTTAGTATGCTTTGTTTTCTGGGCTCTGTTCTC- - - - - - - - - TGATTTTCATGGAACCTCTATTTGGAATT	84294
Cat	GAATTTAAAAAATTTAGTATGCTTTGTTTTGGGCCCTGTTCTCCCTT- - - - - TGGTTTTTCATAGGACTCTATTTGAAAT	80743
Ferret	GAATTTTAAAATTTAATATGCTTTATTTCTGGGCACTGTTCTCCTTT- - - - - TGGTTTTTCATAGGACTCTATTTGGGAGT	83486
Lion	GAAT- - AAAAATTTAGTATG- - - - - TTTTGGGCCCTGTTCTCCCTT- - - - - TGGTTTTTCATAGGACTCTATTTGAAAAT	78433
Vaquita	AATTTTTTTAAAATGTAGTATACGTTTTTTATGGGCTCTGTTCTCATTCTTTTTGGTTTTTCATGGGACTCTGTTTGGAAAT	76187
Pig	AACTTAA- AAAATGTAATATGCTTTGTTTTCTGGGCTCTGTTCTCATTCTTACTGGTTTTTATGGGATTCTATTTAAAAAT	76192

Majority	ACTCATTGTTTTATGATATAGGCAGA- TXTTTTTAT- - - - - - - - - GCTTAGAAA- - - - - -	
	----- ----- ----- ----- ----- ----- -----	
	108410 108420 108430 108440 108450 108460 108470 108480	
Human	AGTTA- - GCTATAT- - - - - A- C- TTTTTACAAGA- - - - - GACATGTAAAGCAGA- -	87882
PolarBear	ACTCATTGTTTCATGATACAGGTAG- - - - - T- TTTTTTTTTAT- - - - - - - - - GCTTAGGCA- - - - -	45573
Cow	AGTCATTGTCAT- TATTTTTAT- - - - - - - - - G- - - - - - - - - - - - -	82363
Dog	AACT- - CATTTTCATGATATAGGCAGGTTTTT- TTGTTTTTGT- - - - - - - - - TTTTAAATGCCTAGGA	75545
BelugaWhale	ACTCATTGTTTTATAATATAGGCAGA- TGTTTTTAT- - - - - - - - - GCTCAGCAA- - - - -	74948
Donkey	ACTCATTGTTTTGTAATTTAAGCAGA- TGTTTTTAT- - - - - - - - - GCTTAGGAA- - - - -	84338
Cat	ACTCATTGTTTTATGGTATAGGCAGATAAATTTTTTTTTTTAATTTTTTTTTTTAACATTTATTTATTTTTGAGACAGAGAG	80823
Ferret	ACAA- - - - - - - CATGAAGGAGCTA- CTACTCTTTGA- - - - - - - - - ACTTTAGTA- - - - -	83523
Lion	ACTCATTGTTTTATGGTATAGGCAGATATATATTTAAAAAAAATTTTTTTTTAACATTTATTTATTTTTGAGACAGAGAG	78513
Vaquita	ACTCATTGTTTTATAATATAGGCAGA- TGTTTTTAT- - - - - - - - - GCTCAGAAA- - - - -	76231
Pig	ACTCATTGTTTTATGATAGAGGCAAA- TGTTTTTAT- - - - - - - - - GCTCAGGAA- - - - -	76236

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Majority	----- GTAGTATGGG----- AGAAATAAACAGCATGXTAAAGAGAT- CATAG- - GTATTTAAGTGT								
	108490	108500	108510	108520	108530	108540	108550	108560	
Human	---- AGAATATGAA-----		A-- GATTGAAAGGAAAAGGATG-		TAAAGAGATACTAAT--		ATACTGGACAGA		87939
PolarBear	---- GTGGTATGGG-----		----- GGAAATAAC- AGAATT---		AAGAGAT- CATA--		GTGTTTAATCGT		45621
Cow	---- TACTTT-----		----- ATAAGAAGCCTTTTACAGTGT		TTTCATAG- - TTGACAAAGCAT				82409
Dog	C-- ATAGTATGGG-----		----- GGAAATAAGGAGAATT---		AAAAGAT- ACTAT--		GGGTTTAAATGT		75596
BelugaWhale	---- GTAGTATGGG-----		----- AGAAATAAACGGCAAGGTATAGT---		CAGTA- - GTATACAAGTGT				74998
Donkey	---- GTAGTATGGG-----		----- AGAAATAAACAGCAAGGAAA		ACTAAGAGACAATAGTGT		TTTAAATGT		84394
Cat	A- - CAGAGCATGAGCAGGGGAGGGT		CAGAGAGAGAGGGAGACACAGA		ATCTGAAACAGGC- TCCAG-		ACTCTGAGCTGT		80898
Ferret	---- GAAGAATT-----		----- TT-- AACAGA-- - ATA--		CCATTTAAGGAT				83554
Lion	AGACAGAGCATGAGCAGGGGAGGGT		CAGAGAGAGAGGGAGACACAGA		ATCCGAAACAGGC- TCCAG-		GCTTTGAGCTGT		78590
Vaquita	---- GCAGTATGGG-----		----- AGAAATAAACGGCAAGGTATAGT---		CAGTA- - GTATACAAGTGT				76281
Pig	---- GTAATATGGG-----		----- AGGAATAAACAGCATGGAAT		ATTGATACATAG- - TTATTCAA		ATGT		76290

Majority	GAAT- - - GAGATTGTTGCAAATCTTAAAG----- GCC----- ATGTTAAATCATT								
	108570	108580	108590	108600	108610	108620	108630	108640	
Human	TAGT-----	AAGCAAGACAAA	CTTAAAT-----				ACCTTTATTAA--		87974
PolarBear	GAAT- - - TAGATTGTTGCAAACCT		CAGAG-----			GCC-----	ATGTTAAATCAT- -		45662
Cow	-----	TCTCAA-	-----				TGTTTGATTTCTT		82429
Dog	GAAT- - - GAGATTGTTGCAAACCT		TGGAG-----			GCC-----	ATGTTAAATTGGAT		75639
BelugaWhale	GAAT- - - GGGATTGTTGCAAATCT		TAGAG-----			GCC-----	ATGTTAAATCATT		75041
Donkey	GAAT- - - GGGATTGTTGCAAGT		CCTCTAAG-----		AGA- AGCC-----		ATGTTAAATGATTT		84441
Cat	CAGCCCAGAGCCCGATGCGGGGCT		CGAACTCAGGGACCGCAAGAT		CATGACCTGAGCCGAAGT		CGGGCACCCA		80978
Ferret	AACA- - - TATACAAATT- -		ATTCTTAA-----				ACATCGAAT- - - -		83586
Lion	CAGCCCAGAGCCCGATGCGGGGCT		CGAACTCATGGACCGCGAGAT		GATGACCTGAGCCGAAGT		CGGACACCCA		78670
Vaquita	GAAT- - - GGGATTGTTGCAAATCT		TAGAG-----			GCC-----	ACGTTAAATCATT		76324
Pig	GAAT- - - GGGATTGTTGAAAAT		CTTAAAG-----			GCC-----	ATGTTAAATCATCC		76333

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Majority	T-----A-TTTTAAAAXXTA-----TAAACATTAAGATGTTTCAAT								
	108650	108660	108670	108680	108690	108700	108710	108720	
Human	-----CTTAAGACAGAAT-----TGATAAAGGATTTAGTTCACT								88008
PolarBear	-----TTGAGACCACAGTT-----TTAAAATTTGCAAATATTGAT								45697
Cow	T-----TTTCTCATTGTG-----TGAAGTGTGGTGGTGTCTGT								82463
Dog	G-----TTTTAAGAATAATT-----TGTGTATTATTTTAAAATGAC								75675
BelugaWhale	TA-----GA-----CTAGAGTTTTAAAATTTG-----CAAACATTAAGTTGTTTCAAT								75084
Donkey	C-----A----GAGTTTCAAAGTTTG-----TAAATGTTAAGATGTTTCTTT								84479
Cat	G-----GCGCCCCTAGGCAGATATTTTTATGTTTCGGAAGTAGTATGGGGGAAATAAAGAACATTAAGAGATAGT								81048
Ferret	-----TTAAGAAAACA-----CTAAAATAGGCATGGTAGAAT								83618
Lion	GAACCAACCAGGCGCCCCTAGGCAGATATTTTTATGTTTAGGAAGTAGTATGGGGGAAATAAAGAACATTAAGAGATAGT								78750
Vaquita	TA-----GA-----CTAGAGTTTTAAAATTTG-----CAAACATTAAGATGTTTCAAT								76367
Pig	TA-----GA-----CCAGAGTTTTACAACCTTG-----CCAACATTGAGATGTTTCATT								76376

Majority	T-----TTTAACCT-XTTTAATTXATATXXTAGXGTTTXX-XTAAATTATTTATTTXXXGAXTXATAAAATTTGTA								
	108730	108740	108750	108760	108770	108780	108790	108800	
Human	A-----GAAAGATATAACAGTTTATGTATATGTGTGCCTAGTGAAATAGCC-----TCAAATATATA								88066
PolarBear	T-----TTTT-----TTAATGAAGATTCTACCATCTA--GTGTTTTCTT-----AAATTGG--								45741
Cow	T-----GTTCAGTCGCTA-AGTCGTGTTC-----AGTTCTCTGCATGCCAGGCTCCTCTGTCT-TC								82517
Dog	C-----TTTAACAGAATTCTGATAAAATCCCAAGGAGTA--GTAGTTTTTTCATG-----TTAAACTG--								75731
BelugaWhale	TTCT----ACCACAACCT-ATTTAATTGATA--CTGGAATTTTC-TTAAATTGGATATTTTAGGAATAATATAATTTGTA								75156
Donkey	A-GTAAACTTTTTACCATAGCTTATTTAATTGATACAGTATTTTCTTAAATCAGATATTTTAGGAATAATATAATTTGTA								84558
Cat	A-----TGTGAACGAGATTGCTGCAAATCTCAGAGACCATGCTAAATCATTTTAGACCAGAGTTTTAAAATTTGCA								81119
Ferret	G-----TTTA-----TTTAAAAAATTCTTAATGTTT--GCAAATCTT-----AAACTGT--								83661
Lion	AGTGTTTAAATGTGAACGAGATTGCTACAAATCTCAGAGGCCATGCTAAATCATTTTAGACCAGAGTTTTAAAATTTGCA								78830
Vaquita	TTCT----ACCATAACCT-ATTTAATTGATA--CTGGAATTTTC-TTAAATTGGATATTTTAGGAATAATATAATTTGTA								76439
Pig	TCG----ACCATAGCCT-ATTTAATTGATACACTCGTGTTTTC-TTAAATTGGCTATTTTAGGAGTAATACAATCTGTA								76449

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Majority	AATTATCTTTTGATXTAXT- ATACTGATTCTAAAGGX- T- X- - - - - X- - X- - - AAXXTACCAAAGAGTTGATCXT								
	108810	108820	108830	108840	108850	108860	108870	108880	
Human	AATAATAAGTAGATAGA	ACTACAGGTAGACTT	GAGCA- - - - -	- - - - -	- - - - -	AATCTATTATAGT	GGTGG- - - -	88121	
PolarBear	- ATGTTTTAATAATTT	GTGTATATTATCTTT	AAATGA- - - - -	- - - - -	- - - - -	A- - - -	CTTTAACAGAAGTTTAA- CAA	45798	
Cow	CACTATCTACCAGAGT- - - -	TTGTTCAAATTCACG- - -	TCCTTTAAATCAGT- - - - -	- - - - -	- - - - -	GATGCTAATGATCTCGTCCT		82582	
Dog	- GTTTTTATTTAATGTATAGCTGCTTTCTCAA	AAGTA- - - - -	- - - - -	- - - - -	- - - - -	A- - - -	AGTTACTTAGTTCTTCA- TAA	75788	
BelugaWhale	AATTATGTTTTGAAGTAGT- GTACTGATCTTCAATGGT	TAAAGTAAATGAGTTCTAAGGAAATGTCAAAGAGTAGTTCCT						75235	
Donkey	AATTATCTTTAAAAATAGT- ATACTGGTCCTTGAAGACTTA- - - - -	- - - - -	GATTCTAGCAAATGCCAAAGAGTAGTTCCT					84629	
Cat	AACHTTAAGGTGTTTCTTTAATAATCTTTCTACCGTGGCTT- - - - -	- - - - -	ATTTAATTTAGCGTTTTCTTAAATTG					81186	
Ferret	- GGTCTCAAGTGATTTA- - -	ACATGGCCTCTAAGG- - - - -	- - - - -	- - - - -	- - - - -	TTTGCAACAATCTCA- TTC		83710	
Lion	AACHTTAAGGTGTTTCTTTAATAATCTTTCTACCATGGCTTTCTACCATGGCTTATTTAATTTAGCGTTTTCTTAAATTG							78910	
Vaquita	AATTATGTTTTGAAGTAGT- GTACTGATCTTCAACGGT	TAAAGTAAATGAGTTCTAAGGAAATGTCAAAGAGTAGTTCCT						76518	
Pig	AATTATCTTTAAAAATAGTATAACTGATCTTCAAG- - -	TAAATAAATCGATTATACCAAATACCAAAGAGTAGTTCCT						76526	

Majority	T- - TGTTAAAAX- AATA- - CTAGTTTCTCCXA- TXATATTTTCAA- - - CTGX- - ACAAXAA- XXXX- - - CCATXXTTATT								
	108890	108900	108910	108920	108930	108940	108950	108960	
Human	- - ATTTCA- - - - -	A- - - - -	TTCACHTTTTCTGAATTACATGTCAA	- - -	CTGACC	AAAAAAGA- - - - -	CAAATCAAC	88179	
PolarBear	A- - ATACCAAAG- AGTA- -	GTAGTTCCTTC- - - - -	ATGTTAAA- - -	CTGG- -	TTTTTAT- - - - -	- - - - -	TTA	45845	
Cow	C- - TGTC	- - - - -	CCCCCTTCTCC- - -	TTTTGCTTTCA- - - - -	- - - - -	GTCTTT- CCACATTACCC		82627	
Dog	T- - AGTCCTTGA- TCTA- -	CTAAGTTATCT- - - - -	CTCT- - - - -	C- - - -	ACAAAAA- - - - -	- - - - -	GAT	75828	
BelugaWhale	- - - TGTTAAAAT- AATTATCTTGTTTCTCCAATTCATATTTTCAAGA	ACTACTTACAAGAAAGCCTCAACTGTTCTTATT						75311	
Donkey	TCATGTTAAAAACAATTATCTGGCTTCTCCAATTAATATTTTAAAGCACTGTTTACAAAAATACTC- - -	CTGTTTTTATT						84706	
Cat	T- - TGTTTTAAG- AGTA- -	ACGTGTTATCCTA- AATGAACTTTAA- - -	CAGA- -	ATTTTAAACAAAATA- CCAAAGAGTAT				81254	
Ferret	A- - CATTTAAAC- ACTA- -	CTA- -	TCTTTT- - - - -	AATT- - - - -	C- - - -	TCTGTAT- - - - -	TTC	83748	
Lion	T- - TGTTTTAAG- AGTA- -	ACATATTATCCTA- AATGAACTTTAA- - -	CAGA- -	ATTTTAAACAAAATA- CCAAAGAGTAT				78978	
Vaquita	- - - TGTTAAAAT- AATTATCTTGTTTCTCCAATTCATATTTTCAAGA	ACTACTTACAAGAAAGCCTCAACTGTTCTTATT						76594	
Pig	T- - TGTTAAAAT- AATTGTCTTGTTTATCCAGCTCATATTTTCAAGA	ACTACTTA- AAAAAAGCCTTT- TCTTTTTTATT						76601	

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Majority	TTGGCTTTTCACATX- - XACX- X- - XXTGXATAGTGAAGAACTCT- AAGTCGCACTTTXGAGGTATTGCTGXTCTCACAAXA								
	109130	109140	109150	109160	109170	109180	109190	109200	
Human	-----								88279
PolarBear	TTGGCTTTTCACAGAACTACCCTATTCTGAATAGTGAAGAACTCT- CAGTCACACTTTGAGGTCTTGCTGGTCTCCCAAAA								46070
Cow	-----								82728
Dog	TTTATTTATTCATGA- GACACA- - CACAGAGAGAGAGAGATA- GAGAGGCA- - - GAGACACAGGCAAAGAGAGAAGC								76044
BelugaWhale	TTGGCTTTTCACCTTCTTCATTAC- - TGTGAGTAATGGAGAACTCT- AAGTCGCACTTTGAGGTATTGCTGGTCTCATAGAA								75531
Donkey	TTGGCTTTTCACCTTC- - TACTGT- - TATGAATAATGAAGAACTCTTAAGTTGTACTTTGAGGCTTTGCTGGTCTCACAAAA								84932
Cat	TTGGCTTTTCACAGAGGAACTGT- - CATGCATAGTGAAGAACTCT- AAGTCACACTTTAGAGGTATTGCTGAGATTTCAAGA								81489
Ferret	TTTGTCTTT- TAAG- - TGC- - - - - ATATGGGAATATTTA- CAAAAGCA- - - - - GGCTTCAGTAAAGCAAAGAGT								83919
Lion	TTGGCTTTTCACAGAGGAAACCGT- - CACACATAGTGAAGAACTCT- AAGTCACACTTTGCGGTATTGCCGAGATTTCAAGA								79213
Vaquita	TTGGCTTTTCACCTTCTTCATTAC- - TGTGAGTAATGGAAACTCT- AAGTCGCACTTTGAGGTATTGCTGGTCTCATAGAA								76808
Pig	-----								76741

Majority	GAG- - - - TTCAAXAGAXCXTXTXCXXX- - - - - GA- - - - - AATAGCAAATGXTATGGAGX- TAATG								
	109210	109220	109230	109240	109250	109260	109270	109280	
Human	-----								88280
PolarBear	GAGA- - - TTTCAAGAGATCCCCTCCTTCCCCAAGGAGGGA- - - - - AATAGCAAATTGTATGGAGTATAATG								46134
Cow	-----								82728
Dog	AGGCTCCACTCAGGGAGCCTGATGCAGGACTTGATCCCAGG- - - - - ACTCCAGGATCACCTAGGGA- TCCC								76110
BelugaWhale	GGGAGC- TCTCAATAGACCTTCCACCCAAAAAAGTCAAAAAAAGGAGGGAAAAATAGCAAATGATATGGAGA- AAATG								75609
Donkey	GAGAA- - TTTCAAGAGGTCTTTCCTCTTAAAGGAAAGGAGG- - - - - GGAAAATAGCAAATGAAATGATGAAAAATA								85001
Cat	GA- - - - - TTCCCCTCATCCAATGGAGG- - - - - GA- - - - - AATAGCAAATGGTATGGAGTATAATG								81539
Ferret	AAGT- - - ATCCTGTAGACCCTATTCTCT- - - - - GTTGCTCAATT- - - TAGAGT- TGATA								83966
Lion	GA- - - - - TTCCCCCATCCAGTGGAGG- - - - - GA- - - - - AATAGCAAATGGTATGGAGTATAATG								79263
Vaquita	GGGAGC- TCTCAATAGACCTTCCCCAAAAAAGTCAAAAAGAAAGGAGGGAAAAATAGCAAATGATATGGAGA- AAATG								76886
Pig	-----								76743

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Majority	GGGGAAAA-ATAAATTTAAAA-TTATGATA-XAXXTAAGTCCCTATGCATCAATAATAA- - - CAA- - - - - ATGTAAAGG								
	109290	109300	109310	109320	109330	109340	109350	109360	
Human	-----CA-----GTCACAT								88289
PolarBear	AGGAAACA-ATAAATTTAAAAATTATGATAGAATCTAAATCCCTATGTAGCAATAATAACAACAA- - - - - ATGTAAAGG								46207
Cow	-----ATGATGC								82735
Dog	AGGAAATA-ATAAATTTAAAAATTTATGATAGAATCTAAGTCCCTATGCACCAGTAATAATAGCAACAACA- ATGTAAAGG								76188
BelugaWhale	GGGGAAAATAGAAATTTGAAAGTAATGATA-GAATCAAGTCCAGATGTATCAATAATAA- - - CAG- - - - - ATGTAAAGG								75679
Donkey	GGGGAAAATATGAATTTAAAA- - - - - TGAAGTCCAGATGCATTAATAATAG- - - CAA- - - - - ATATAAAGG								85058
Cat	GGGGAAAATATAAATTTTTAAAATTAAGATAGAATCTAAGTCCCTATACATCAATAATAACAACAACAGCAAATGTAAAGT								81619
Ferret	ACAAAAAG-ATATATTTAGAAATTTCT- - - - - CAATTAAGTACTATACA- - A- - AGTAG- - - - - AT- - - - - ATGTATAGT								84026
Lion	GGGGAAAATATAAATTTTTAAAATTTATGATAGAATCTAAGTCCCTATACATCAGTAATAACAACAACAACAAATGTAAAGT								79343
Vaquita	GGGGAAAATAGAAATTTGAAAGTAATGATA-GAATCAAGTCCAGATGTATCAATAATAA- - - CAG- - - - - ATGTAAAGG								76956
Pig	-----TAA- - - CAG- - - - - ATGTAATGG								76758

Majority	AGTAAATTCATCAGTTAAAA- - - - - GATXXGTTTTTTXAT- - AG- CTGATTTT- - - - - TTAAAAGAGTGTTAT- - - -								
	109370	109380	109390	109400	109410	109420	109430	109440	
Human	ACTAAA- - - - - CCATAA- - - - - AGCAAGCTTC- - - - - AG- CTAATTTT- - - - - AAAGAGTATCAT- - - -								88333
PolarBear	AGTAAATGCATCAGTGAAAA- - - - - GACAGGTTGTCAGAT- - - - - CTGAGTTT- - - - - TTAAAAGTTTATTAC- - - -								46265
Cow	TTTAATTT- - - - - TTAATAT- - - - - ACTTGTTTT- - - - - AGTCTGCTTG- - - - - GGCTGCCAT- - - -								82778
Dog	AGTAAGTGCATCAGTCAAAA- - - - - GATAGGTTGTCAGATC- TGATTTTTTTT- - - - - TTTTAACTGGTTGC- - - -								76250
BelugaWhale	AGTAAATTCATCAATTTAAAAGA- - - - - CAGATTTGATTTTTTAAA- AGCAACCTATT- - - - - CTTTACAAGAGATGTGAGT								75749
Donkey	AGTAAGTTCATCAGTTAAAAGATTGTCAGATTTGATTTTTAAAATGCTATCTCTTTGCTATTTACAAGAGACATATAAAG								85138
Cat	AGTAAATGCATCAGTCAAAA- - - - - GACAGGTCGTCAGAT- - - - - CTGATTTT- - - - - TAAAAGTTCTTTAC- - - -								81677
Ferret	A- - - - - CAGTGAAAGT- - - - - GGTGGTTTTTTTTT- - - - - TTTTTTTT- - - - - ATAAACATCTGTT- - - - -								84073
Lion	AGTAAATGCATCAGTCGAAA- - - - - GGCAGGTCGTCAGAT- - - - - CTGATTTT- - - - - TAAAAGTTCTTTAC- - - -								79401
Vaquita	AGTAAATTCATCAATTTAAAAGA- - - - - CAGATTTGATTTTTTAAA- AGCCAC- TATT- - - - - CTTTACAAGAGATGTGAGG								77025
Pig	ATTAAATTCATCAGTTAAAAG- - - - - ATTTGCTTTTTTAAAAGTTAGCTGTT- - - - - ATTTACGAGTGACATGAAG								76825

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Majority	----- AAGA----- A- AGATTTAAAGCACAAAGGATATAGAAAXGTTTAAATGAXAAGG----- XATAAACAAAAGAXAACTTT								
	109450	109460	109470	109480	109490	109500	109510	109520	
Human	-----	ACAGACCTCATTCTCTATTGCACAAGTAAGTTAGAATTAATAAC-----	AAAAAGATG-----	88386					
PolarBear	----- AAGA-----	A- ACACATAAAGCACAAAGA- TGTGGAAAGGTTGAAAGTAAAAGG-----	GATATAAAAAAGATAAATTT	46331					
Cow	-----	AGCAAA-----	ATACAACAAACTGAGTACTAA-----	AACAACAGAAA-----	82817				
Dog	----- GAGA-----	A- ACTTAAAAAGCACAAAGGATGTGGACAGGTTGAAAGAAAAGGGATATATATATAAAAAGATAAATTT	76320						
BelugaWhale	TGCAAAGATGTAGAAAAGATTGAAAGTAAAGGGATATAAAAAGGA- TAATTGACAGAT---	AATAAGCAAAAAGAAACTTA	75825						
Donkey	TGCAAGGATGTGGAAAGGTTTATAGTAAAGGGATATAAAAAGATACATTGGGCAA- -	TAGTAAGCAAAGAAAAACATA	85216						
Cat	----- AAGA-----	A- GCATATAAAGCACAAAGAATGTGGAAAGATTGAAAGTAAAGGGATATAGAAAAGATAGATTAATTT	81747						
Ferret	-----	TTTAT- CCCCAGG- GGTACAGGTCTGTGAATCACCAGG---	TTTACACACTTCATAGCACT	84129					
Lion	----- AAGA-----	A- GCATATAAAGCACAAAGAATGTGGAAAATTTGAAAGTAAAGGGATATAGAAAAGATAGATTAATTT	79471						
Vaquita	TGCAAAGATGTAGAAAAGATTGAAAGTAAAGGGATATAAAAAGGA- TAATTGACAGAT---	AATAAGCAAAAAGAAACTTA	77101						
Pig	TTCAAAGA-----	A- AGATTGAAAGTAAAGG- ATATAGAAAAGATTTATTGGCAAGT---	AGTGAGCAAAAAGAAACTTC	76895					

Majority	XG- AX- -- CAXCAAX- - AAGATAAAAX- ----- TTTXTTTA- ----- TG- ----- TGXTTTTAXGX								
	109530	109540	109550	109560	109570	109580	109590	109600	
Human	-----	CAT-----	ATAAAA-----	TCTGTAT-----	CCTG---	88406			
PolarBear	AG- AT---	CACCAGG- -	AAGATAAAA-----	GTTTTTTAT-----	GTG- ----	TGTGTGTA--	46371		
Cow	-----	TTTATTT-----	TCTTAAGT	82832					
Dog	AG- AT---	CACCAGG- -	AAGATAAAAAG-----	AGTTTTTGGT-----	GTG- ----	TGTATGTTTGG	76366		
BelugaWhale	TGTACCTATATTCATTTAAGATAAAGATTATTGATAAAAAGATTTATTAGTTACCCAAGAAGATG- ACAAG- -	TTTTATGT	75902						
Donkey	TG- -	CCCATATTAATTGAAGGTAAGATTATTGAGCACAG- - -	ATTTAGTTCAAAGTAAGTTCGAACAGGTTTTATGT	85290					
Cat	AG- AT---	CACCAGG- -	AAAACAAA-----	GTTTTATG-----	TGGGTGTG--	81783			
Ferret	-----	CACCAA- -	AGCACATAC-----	CCTCCCA-----	G- ----	TGTCCATA--	84161		
Lion	AG- AT---	CACCAGG- -	AAAATAAAAC-----	AGTTTTATG-----	TGGGTGTG--	79509			
Vaquita	TGTACCTATATTCATTTAAGATAAAGATTATTAATAAAAAGATTTATTAGTTACCCAAGAAGATG- ACAAG- -	CTTTATGT	77178						
Pig	TGCACCTATATTAATTTAAGATAAAGATTATTCATAAAAAGAT- - -	TTTGTTTACCAGGAAGATGGACAACGTTCTTATGT	76972						

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Majority	- X- X- - GTGCCTAATGAAATAGCCTCAAATATGTAAATCATAAATGAATAGA- - - - ACTGXA- GGGAGAATTGAGCAA								
	109610	109620	109630	109640	109650	109660	109670	109680	
Human	- - - - -	AGATTTAAAAATAAGTCTCAGTATT- - - - -	GCATGAGTCAGAAGT- - - - -	TTG- - - -	TTTGTTTG- - - - -				88457
PolarBear	- - - - -	CTCCCTAATGAAATAGCCTCAAATATGTAAATCATAAATGAATAGA- - - -	ACTAGA- GGGAGACTT	GAGCAA					46440
Cow	- TCTG-	GAGACTAGT- AATTAG- - - - -	GTGAC- - AACAGA- - - -	TTTGT- - - -	GTTTCTAGAGAGGA				82880
Dog	GGGGATGCC	CCTAATGAAATAGCCTCAAATATATCAATCATAAATGAATAGATAGA	ACTAGA- GGGACTCTT	GAGGAAA					76445
BelugaWhale	GTATGTGTGC	CCTAATGAAATAGCTTCAAATGTGTAAATTATAAATGGATAGA- - - -	ACTGCA- GGGAGAATT	GAGCAA					75977
Donkey	ATATATGTGC	CCTCATGAAATAGCCTCAAAGATATAAATCCTAAATGGATAGA- - - -	TCTACA- GGGAAAAT	GGAGCAA					85365
Cat	- - - - -	CCCCTAATGAAATATCCTCAAATATGTAAATCATAAATGAATAAA- - - -	ACTGGA- GGAAGAATTG- - - - -						81845
Ferret	- - - - -	ATCCNN- - - -	NNNNNN- NNNNNNNNNNNNNNNNN						84230
Lion	- - - - -	CCCCTAATGAAATATCCTCAAATATGTAAATCATAAATGAATAGA- - - -	ACTGGA- GGAAGAATT	GAGCAA					79577
Vaquita	GTATGTGTGC	CCTAATGAAATAGCTTCAAATGTGTAAATTATAAATGGATAGA- - - -	ACTGCA- GGGAGAATT	GAGCAA					77253
Pig	ATCTGTGTGC	CCTAATGAAATAGCCTCAAACCTCCCCTGTGGT- - GGTAGA- - - -	TTTGCTCAAATCTCCCT	GGAGTT					77046

Majority	TXXTCC- TTATTGAGGGAGATTTCAACACACCTTTCTGAATTATGTCAGGCAGA- - - - - CAAAAAA- - - - CAA								
	109690	109700	109710	109720	109730	109740	109750	109760	
Human	- - -	TTTGTTTTTGAGCCAG- - - -	T- - - -	GTCTTGCTCTGTCCCCAGGGTGGAG- - - - -	TGCAGTGG- - -	T- -	G		88510
PolarBear	TCTTCTCTT	TATACAGAGAAATTTCAACACACCTTTCTGAATTATGTCAGGCAGA- - - - -	CAAAAAGAGTATCAA						46509
Cow	CTTTC- -	TTCCTAGCTT- - - - -	GCAGA- - - - -	CCAG- - - - -					82904
Dog	TCTTCTCTT	TATAGGGAGAGATCCCAACACACCTTTCTGAATTAAGTCAGGCAGA- - - - -	CATAATA- - - -	CAA					76509
BelugaWhale	TTCACC- ACG	AATGGAGGTTTTTATACACCTTGCTGGATTATGTCAGGCAGAAACCC- - -	CTCCCAAAA- - -	TCA					76049
Donkey	TCCACCATCAT	AGTGGGGATTTCA- - ACCCCTTTCTGAATTATGTCAAGCAGAA- - - - -	CAAAAAAAAAAATCAA						85433
Cat	- - - - -	TCAACACACCTTTCTGAATTATTTTCAAGGCATA- - - - -	CAAAATGATGATCAA						81892
Ferret	NN- - - - -	NNNNNNNNNNNNNNNNNN							84299
Lion	TCTTCCATCACA- - - -	GAGATGTCAACACACCTTTCTGAATTATTTTCAAGGCATA- - - - -	CAAAATGAT- - -	CAA					79639
Vaquita	TTCACC- ACG	AATGGAGGTTTTTATACACCTTGCTGAATTATGTCAGGCAGAAACCCCTCCCCCAAAA- - -	TCA						77328
Pig	CTCTCCATTTAT	GGTTTATATATTTTAAACATTTT- CTGAATTATGTTAGGCAGA- - - - -	CAAAAAG- - -	TTA					77110

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Majority	CAAAGATACAAATGXXACAACACAATT-----TTATGCAT---AXAXTTACACAT-X								
	109770	109780	109790	109800	109810	109820	109830	109840	
Human	CTATTGT-----	GGCTCACTGCAGCC-----				TCGACCTCCCAGGCTTAAGCA---			88552
PolarBear	CAAAGATACAAATGGTAGGACACAATT-----					ACCTTAAC---AGAATTGCACATGT			46558
Cow	-----	CTCCC-----				TTCTCCAT---ATGTCCTCACAC--			82929
Dog	CAAAGATACAGTTACCTTAAAATTAC-----					ACATGTAT---AGAACTACACACTT			76557
BelugaWhale	GCAAGACGCAAATGATACAGCACAATTAGATTAACAGAATTACACATGTATAGAATTAGGCATCTAATAGTTACACATCC								76129
Donkey	GAAAGATACAACGACAGAATACGATTACCTTAACACAGTTACATATGTACAGAATTATGCATCTAACAGTTATATATCC								85513
Cat	CAAGGATACAAATGGTACAACACAATG-----					ACACATGTAT---AGAATTATACATGT			81944
Ferret	NNNNNNNAGGGAGATCATATGATAGTT-----					GTCTTTCT---CTGCTTG-----			84341
Lion	CAAGGATACAAATGGTACAACACAATG-----					ACACATGTAT---AGAATTATACATGT			79691
Vaquita	GCAAGACGCAAATGATACAGCACAATTAGATTAACAGAATTACACATGTATAGAATTAGGCATCTAATAGTTATACATCC								77408
Pig	ACAAGATACAAATGACATAACACACTT-----					TTATTCATCTAATAGTCACACAT--			77160

Majority	A-----AXXCTTTT-----ACACTAXGAACXTTTAXGAACATTG-----A-----XTAAAGCAGGCTTCAGTAA								
	109850	109860	109870	109880	109890	109900	109910	109920	
Human	-----GTCCTT-----		GCACTTAAG--CCTC-----			CAAAGTAG--C----TAG			88583
PolarBear	ATAGAATTACACATTTAA--CACATTAAGTACATATGGGAACACTT-----					A-----TGAAAGCAGGCTTCAATAA			46622
Cow	-----TGCTTTT-----		CTGGGAGCCTTCCTCAGCCTC-----			TAAGGTGCTGA-TATCTTTTCGTGT			82982
Dog	A-----ACACTGTT-----		TTTTAAGTACATTGGGAACATTT-----			A-----CTAAAGCAGGCTTTCAGTAA			76610
BelugaWhale	A---ACACATTCTTTTTAAGTACACAAGGAATGCTTACAGAAAGTGATCACAACTAACTATAAAGCAAGCTTTCAGTAA								76206
Donkey	A---ACACATTCTTTTTAAGTACACATGGAACGTTTATAG-AACTGATCACATACTAAATTGTAAAGCAGGCTTTCAGGAA								85589
Cat	A-----ACACATTC-----		TTTTTAAGTACA-TAGGGAACATTT-----			A-----CTAAAGCAGCCCTCTATAA			81997
Ferret	-----ACTTATTT-----		CGCTAAGCATG-ATACG--CTCTA-----			G-----TTCATCCATGTTGTGCGCAA			84390
Lion	A-----ACACATTC-----		TTTTTAAGTACA-TAGGGAACATT-----			A-----CTAAAGCAGCCCTCCATAA			79743
Vaquita	A---ACACATTCTTTTTAAGTACACAAGGAATGCTTACAGAAAGTGATCACAACTAACTATAAAGCAAGCTTTCAGTAA								77485
Pig	-----TCCTTTTTAAGTACACTGGGAACGTTTACTGAAATTGATCG-----					TAAACTATAAA-CAAGCTTTGGTAA			77225

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Majority	
	110250 110260 110270 110280 110290 110300 110310 110320
Human	88778
PolarBear	46819
Cow	83132
Dog	76817
BelugaWhale	CTTT CCTGGTGGTGCAGTGGTTAAAAATCTGCCTGCCAATT CAGGAGACACAGGTT CAAGCCCTGGTCCAGGAAGATCCC 76595
Donkey	85835
Cat	82210
Ferret	84546
Lion	79957
Vaquita	CTTT CCTCGTGGCGCAGTGGTTAAAAATCTGCCTGCCAATT CAGGAGACACAGGTT CAAGCCCTGGTCCAGGAAGATCCC 77876
Pig	77465

Majority	
	110330 110340 110350 110360 110370 110380 110390 110400
Human	88778
PolarBear	46819
Cow	83132
Dog	76817
BelugaWhale	ACGT GCTGAGGAGCAACTAAGCCCGTTCGCCCTAGAGCCCGTGCTCTGCAACAAGAGAAGCCACCGCAATGAGAAGCCCG 76675
Donkey	85835
Cat	82210
Ferret	84546
Lion	79957
Vaquita	ACGT GCTGAGGAGCAACTAAGCCCGTTCACCCTAGAGCCCGTGCTCTGCAACAAGAGAAGCCACCGCAATGAGAAGCCCG 77956
Pig	77465

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Majority	----- ACTT----- TA-----								
	110570	110580	110590	110600	110610	110620	110630	110640	
Human	----- ACTT----- TA-----								88784
PolarBear	----- ACTT----- TA-----								46825
Cow	----- CCT----- A-----								83136
Dog	----- ACTT----- TA-----								76823
BelugaWhale	GATCCCACGTGCCGGGAACAAC T GAGCCCATGCGCCACAAC T ATTGAGCCTGCGCTCTAGAGCCTGTGAGCCACAAC T A								76915
Donkey	----- ACTTTT----- TA-----								85843
Cat	----- ACTT----- TA-----								82216
Ferret	----- ACTT----- TA-----								84552
Lion	----- ACTT----- TA-----								79963
Vaquita	GATCCCACATGCCGGGAACAAC T GAGCCCATGAGCCACAAC T ATTGAGCCTGCGCTCTAGAGCCTGTGAGCCACAAC T A								78196
Pig	----- TTT----- A-----								77469

Majority	-----								
	110650	110660	110670	110680	110690	110700	110710	110720	
Human	-----								88784
PolarBear	-----								46825
Cow	-----								83136
Dog	-----								76823
BelugaWhale	CTGAGCCAACGTGCCACAAC T ACTGAAGCCTGCATGCCTAGAGTCCATGCTCTGCAACAAGACACTGCAATGAGAAGCCT								76995
Donkey	-----								85843
Cat	-----								82216
Ferret	-----								84552
Lion	-----								79963
Vaquita	CTGA----- A- GCCTGCATGCCTAGAGTCCATGCTCTGCAACAAGACACTGCAATGAGAAGCCT								78254
Pig	-----								77469

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Majority -----

	110730	110740	110750	110760	110770	110780	110790	110800	
Human	-----								88784
PolarBear	-----								46825
Cow	-----								83136
Dog	-----								76823
BelugaWhale	GCGCACGTCAACAAAGAGTAGCCCCCTGCTCGCCGCAACTTGAGAAAGCCCGCACACGGCAACGAAGACCCAACACAGCC								77075
Donkey	-----								85843
Cat	-----								82216
Ferret	-----								84552
Lion	-----								79963
Vaquita	GCGCACGGCAACAAAGAGCAGCCCCCTGCTCGCCGCAACTTGAGAAAGCCCGCACACGGCAACAAAGACCCAACACAGCC								78334
Pig	-----								77469

Majority -----

	110810	110820	110830	110840	110850	110860	110870	110880	
	----- - AGAATAATGGTATAAACCCAAGGAAAGGA- - - GATAATAA- - - - AGACAA								
Human	-----								88827
PolarBear	-----								46871
Cow	-----								83157
Dog	-----								76867
BelugaWhale	AATAAGTAAATAAATAATTTAGAAAAAAAAAGAATAATGGCATAAACCCAAGGAAAAGA- - - GATAATAA- - - AGACAA								77148
Donkey	-----								85886
Cat	-----								82257
Ferret	-----								84600
Lion	-----								80006
Vaquita	AATAAGTAAATAAATAATTTAGAAAAAAAAAGAATAATGGCATAAACCCAAGGAAAAGA- - - GATAATAA- - - AGACAA								78407
Pig	-----								77512

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Majority	GGG- - - ATAATTATTGATATAGCTCCAGTT- CCACATTATATAAAC- - - TCCTGTA- - - - - - - - - - - - - - - - - - - TCTATXTAT	
	111050 111060 111070 111080 111090 111100 111110 111120	
Human	GGG- - - AGAAGCATTGATAAAGCTCCAGTTTCCACATCATATAAACAC- CACTATG- - - - - - - - - - - - - - - - - - - TCTGTAAAT	89038
PolarBear	GGG- - - ATAATTGTTGATATAGCTCCAGTT- CCACATTTTATAAAC- - - TCCTCC- - - - - - - - - - - - - - - - - - - TGTATAAAT	47078
Cow	- - - - - TCACTAA- - - - - AGCTTTGCTT- ACGTACCATGA- - - - - - - - - - - - - - - - - - - GTTTTTTGA	83250
Dog	TTCTCCTGTATATACTGTTATTCATTCATAT- CTTTTTTTGGTAAACAT- TTCTTTATTT- TCT- - - - - - - - - - - - - - TTTATTTAT	77088
BelugaWhale	GGG- - - ATAATTATTGATATAGTTCTAGTT- CCACATTATGTAAAC- - - - - - - - - - - - - - - - - - - CGTATTTTTG	77351
Donkey	GAG- - - ATAACTATTGATGTAGCTCCAGTT- CCACACTATATAAACTCTTCCTGTA- - - - - - - - - - - - - - - - - - - TCTTTAAA	86095
Cat	GGT- - - ATAATTGTTGACATAGCTCCATTT- CCACAT- - - - - ATAAACTTGTCCTGTGGCTCTCTCTCTCTCTCTATATAT	82478
Ferret	GAG- - - ATACTTACTGATA- AACTTCAGTT- CCACATTTTATAAAC- - - TCCTGTATAA- AAA- - - - - - - - - - - - - - TCTATAAAT	84807
Lion	GGT- - - ATAATTGTTGACATAGCTCCATTT- CCACAT- - - - - ATAAACTCGTCCTGTAGCT- - - - - - - - - - - - - - ATATAT	80221
Vaquita	GGG- - - ATAATTATTGATAGAGTTCTAGTT- CCACATTATGTAAAC- - - - - - - - - - - - - - - - - - - CGTTTTTTTT	78608
Pig	GAG- - - ATAATTAT- - - - - - - - - AGCTCCAGTT- TCACATTATATAAGC- - - ATCTGTA- - - - - - - - - - - - - - TCTATCTAT	77711

Majority	TTTTXTATA- TTTT-	
	111130 111140 111150 111160 111170 111180 111190 111200	
Human	TTCTTGAGG- TCTT	89051
PolarBear	TATTTTTTA- CCATCTT	47094
Cow	CTATATGTA- GT- - -	83261
Dog	TTTTCTGAAAGATAAATAAAGCAGAGGGAGCAGCAGAGGGAGGGGGT GAAGCAGGAAGCCCTGACATGGGGCTCTACCCC	77168
BelugaWhale	TTTACCATC- TTTT-	77364
Donkey	GTTTTTACA- TTT-	86107
Cat	ATATATATAA- C- - - - TTTTTTT	82496
Ferret	TTTTTTTTAA- CCATCTC	84823
Lion	ATATATATA- TT- - -	80232
Vaquita	TTTACCATC- TTTT-	78621
Pig	CTATCTCTC- GTTTT	77725

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Majority	X- AAXCTTXXTTATT- - - - - CATTAAATATCTTC- - TTCAGAGATTAAGGGAAAAGTAX- - - AA								
	111210	111220	111230	111240	111250	111260	111270	111280	
Human	TTAAAATTTTATTATT- - - - -	CGTTAATAATCTCTTTCATAGATGGATTAAGGGAAATGTAA- - - AA	89111						
PolarBear	TGA- - CTTTCCGTTATT- - - - -	CATTAAATATCTTC- - TTTAGAGGTTAAGGGAAAAGTAA- - - AA	47147						
Cow	- - - GGCA- - - - - AATT- - - - -	TCTCATTGCT- - - - - GATAGGTTAG- - - - -	83289						
Dog	AGAACCCTTAACCCACTGAGCCCCACCCAGACGCCCCCATTAATACCTTC- -	TTCAGAGATAAAGGGAAAAGTAA- - - AC	77243						
BelugaWhale	- - - AATTTCTCGTTATT- - - - -	CATTACTATT- - - - - TTCAGAGATAAAGGGAGAGGTAG- - - AA	77413						
Donkey	- - - AACTTTTCATTATT- - - - -	CATTAGTATTTTC- - TTCAGAGATGGATTAAGGGAAAG- - GTA	86160						
Cat	TTAACCATCTTCTCATTG- - - - -	TT- CATTAAATATCTTC- - TTCAGAGATTAAGAGAAAAGTAG- - - AA	82554						
Ferret	- - - - - TTGAATTTGT- - - - -	TTTTAATATCTTC- - TTCAGAGATTAAGGGAAAAGTAA- - - AA	84871						
Lion	TTAACCATCTTCTCATTG- - - - -	TT- CATTGATATCTTC- - TTCAGAGATTAAGGGAAAAGTAG- - - AA	80290						
Vaquita	- - - AATTTCTCGTTATT- - - - -	CATTACTATT- - - - - TTCAGAGATAAAGCGAGAGGTAG- - - AA	78670						
Pig	TAAACCATCTTTAATT- - - - -	TCTCATTATTCA- - - TTGATGGATTAAGGGAAAAGTAATGAAA	77782						

Majority	AATTATATTCAACCAAAAAT- GCCATTTCCACTGTGCAACATTGACTTTTTXCTCCTTT- - - - - ATCATTGATTGCTTT-								
	111290	111300	111310	111320	111330	111340	111350	111360	
Human	AATTACATTAATCAAAAAT- GTCATTTCAATTGTGAAACATTGACTTTTTCTC- - - - -	TTATT- ATTGCCTT-	89177						
PolarBear	AATTGTATTCAACCAAAACTTGCCATTTACACTGTGCAACATTGGCCTTTTCTCCTTTT- - - - -	ATCATTGATTGCTTT-	47221						
Cow	- ATTTTGGCTTCTTGAAGT- - - ATATTTCCATTA- - - AATATGGACTCAC- - - - -	ACCATTAAT- GCCTT-	83346						
Dog	AATTACATTCAAACAAAAGT- GCCATTTCCATTGTGCAACATTGGCCTTTTCTCCTTTT- - - - -	ATCATTGATGGCTTT-	77316						
BelugaWhale	AATAATACTCAACCAAAAAT- GACGTTTCCACCATGCAGCATTGACTTTTTTCTTCTTG- - - - -	ATCACTGATTGCTTT-	77486						
Donkey	AATTATATTTAACCAAAAAT- - - - - -	GCCGT- - - - - TTGACTTTTTCTCCTTTT- - - - -	ATCATTGATTGCTTTT	86219					
Cat	AATTATACTCAACCCAAAAGT- GCCATTTCCACTGTGCGACATTGGCCTTTTTCTCTTTTTATCGTTCATTGATTGTTTT-	82632							
Ferret	GATTATTTTCCACTGAAAGT- GCCATTTCCACTGTGCAACATTGGCCATTTCTCCTTTT- - - - -	ATCATTGATTGCTTT-	84944						
Lion	AATTATACTCAACCCAAAAGT- GCCATTTCCACTGTGCGACATTGGCTTTTTTCTCTTTT- ATCGTTAATTGATTGTTTT-	80367							
Vaquita	AATAATACTCAACCAAAAAT- GACGTTTCCACTATGCAGCATTGACTTTTTTCTTCTTG- - - - -	ATCATTGATTGCATT-	78743						
Pig	TATAATGTTCAACCAAAAAT- GACATTTCCACTGC- - GATATTGACTTTCTCCTCT- - - - -	ATCGTTGATTGCCTT-	77851						

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Majority	GTCCATTTATGCCATATTTCTTGXAACAG- - - ATTTCAAGATAT- AGAGTCCTGTTATTT- AAAC TTGATTCATTTTAAA	
	111370 111380 111390 111400 111410 111420 111430 111440	
Human	GTCCATTTATGCCATATTTCTTGGAATAGGAGAGTTC AAG- TGTAAGATT CACATTGTTTAAAATTTTATTCATTTAAAA	89256
PolarBear	GCCCATTTACACCATATTTCTTATAACTG- - - ATTTCAAGATA- - - GAGTCCTGTTATTT- ATACTTGAATC- - - TTAAA	47291
Cow	- - - - - TAAAACAC- - - ACAC- - - - - AAATCC- - - TATGCAAAA	83373
Dog	GTCCATTTACACCGTATTTCTTGTAACCA- - - GTTTCAGGATATCAGAGTCCTGTTATTT- AAAC TTGGTTT CATCTTAAA	77392
BelugaWhale	GTTTCATTGATGCCGTATTTCTTGGAACAG- - - ATTTCAAGATATTAGAGTCCTGTTATTT- AAAC TTGATTCATTTAAAA	77562
Donkey	GTCCATTCATGCCGTATTTTTTTGGAATAG- - - ATTTCAAGATAT- - GAGTCCC- TTTTTT- TAACTTGATTCATTTTGA	86292
Cat	GTCCATTTGTACCATATTTCTTGTAACAG- - - GCTTCAAGATATCAGAGTCCCAATATTT- AAGCTTGATTCATCTTAAA	82708
Ferret	GCCCATTTACCCCATATTTCTTATAACCG- - - ATTTCAAGGTA- - - GAATCCTGTTATTT- AAAC TTGGATT CAGCTTAAA	85017
Lion	GTCCATTTATGCCATATTTCTTGTAACAG- - - GCTTCAAGTTATCAGAGTCCAGTATTT- AAAC TTGATTCATCTTAAA	80443
Vaquita	GTTTCATTGATGCCATATTTCTTGGAACAG- - - ATTTCAAGATATTAGAGTCCTGTTATTT- AAAC TTGATTCATTTAAAA	78819
Pig	GTTTCATTGATGACCTATTTCTTAGAGCAG- - - ATTT- - - - - AAAC TTGATTTATTTAAAA	77903

Majority	TTAG- TAATTCAAGTACTCT- - XG- - - TGTTTTGTTAATCATTATG- - T- TXCCTCAGTTTTTTGACAAGXXT- - - - TTT	
	111450 111460 111470 111480 111490 111500 111510 111520	
Human	TTAG- TAATTCAGGTAATTTCTTTC- - - TGCTCTGTTTACTCCTTGTG- - - TACTTTTCAGTTTTTTGACAAAGCTTTTTGTTT	89330
PolarBear	TTAG- CAATTCAAATAATCCCTGG- - - CAGTTTGTTAATCATTACG- - TGTGCTGCAGTTTTTTGAC- - - - - TTT	47355
Cow	CTAG- GA- - - - - TGTGCTAT- - - - - TGAAAA- - - - - AATA- - - - - AGTGAAACTTTTTTTAA- - - - - TAT	83418
Dog	TTAG- TAGTTCAAATAATCTACTG- - - TTTCTTGTTAATCATTATG- - TCTGCTTCAGTTTTTTGACAAG- - - - - CTT	77459
BelugaWhale	TTTTTCTAATCATTTCTTTC- - - - - TGCTTTGTTAATCAATATA- - - - TACCTCATTTTTTGACGAGCTT- - - - TTT	77627
Donkey	TTAT- TAATTCAAATACTCTCTTGCCCTTGTTTTGTTAATCATTGTA- - TGTACTTAACTTTTTTGACAGGC- - - - - TTT	86363
Cat	TTAG- TAATTCAGTACTCTTCTG- - - CTTTTTGCTTAATCGTTATG- - TATGCCTTAGTATTTGACAAGGTTTTTCTTTT	82782
Ferret	TTAG- TAATTCAGTAACT- - - G- - - CTTTTTGTAATAATTATTATTGTGCCTCAGTTTTTTGACAAG- - - - - CTT	85083
Lion	TTAG- TAATTCAGTACTCTTCTG- - - CTTTTTGCTTAATCATTATG- - TATGCCTTAGTATTTGACAAGGTTTTTCTTTT	80517
Vaquita	TTTTTCTAATCATTTCTTTC- - - - - TGCTTTGTTAATCAATATA- - - - TACCTCATTTTTTGACGAGCTT- - - - TTT	78884
Pig	TTAT- CAATTTATTTCTTT- - - - - TGCTTTATTTACTCAATA- - - - - ACCTCAATTTTTTTGACAAGGTT- - - - TAT	77964

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Majority	XTTTTTTXXA- - - - A- T- CTTAAAAACCCTGGTATTCTA- - - - CCCCTCTTCTTCAXCCCTCATCCACTTTAGATTACX								
	111530	111540	111550	111560	111570	111580	111590	111600	
Human	TCTTTTTTA- - - - -	CTTAAAAATTTTGGT- - - - -	A- - - -	TTCTAATTATCATCCCCCTTCCCCTTTAGATCACT	89390				
PolarBear	TTTTGTT- - - - -	TTTTAAACCGTGATACTCGA- - - - -	CCCCTCATCTTCA- CCCTCATCCACTTGAGATTACT	47417					
Cow	ACTTTGTT- - - - -	TATGG- - - - -	ACTCTGTTCTT- - - - -	TTTGGTTTTTCATGGG- - - - -	83457				
Dog	TTTTTAAAAA- - - - -	AAGTGTTTAGAAATTGTCACACTCAA- - - - -	CCCCTCTTCTTCAGCCCTCATCCATTTGAGATTCCA	77531					
BelugaWhale	ATTTTTTAA- - - - -	TACC- CTTAAAAGCCCCGGTATTCTAATT- - - - -	ACCCCTTTCCTTAACCCCCATCCACTTTAAATTTAC	77700					
Donkey	CTTTTTTAA- - - - -	CTTAAAAATCCTGGTATTCTAATTGTCCCTCCTCCCCAACCCTCATCCACTTTAGATC- - - - -	86431						
Cat	CTTTTTTTT- - - - -	GAATACTTAAAAACCCTGATATTCTA- - - - -	CCCCTCAACTTCGGCCCTCATCCACTTCATATT- - - - -	82850					
Ferret	CTTTTTTAAA- - - - -	AA- TACTTAAAAACCATGATGCTTGA- - - - -	CTCCTCATCTTCAGCCCTCATCCACTTGAGATTACT	85154					
Lion	CTTTTTTTTTTTTTTGAATACTTAAAAACCCTGGTACTCTA- - - - -	CCCCTCAACTTCGGCCCTCATCCACTTCATATTACT	80592						
Vaquita	ATTTTTTAA- - - - -	TACC- CTTAAAAGCCCTGGTATTCTAATT- - - - -	ACCCCTTTCCTTAACCCCCATCCACTTTAAATTTAC	78957					
Pig	ATTTTTTTA- - - - -	GCAT- TGTAAGGG- - - - -	TATTCTAATT- - - - -	ACCCCGTTTCTCAACCTCCATCCACTTTACGTGGG- - - - -	78030				

Majority	- - - - ATXCTTTTGT CAGGAA- - AGCTGACTAGA- ATXTCTCTCATTACCTGGCTACTTCCCTGAGXTAGCTGTTTGGTTAT								
	111610	111620	111630	111640	111650	111660	111670	111680	
Human	TCAGATCCTATTGT CAGCAATCAGCTGGCTAGA- - ACTCTCTTGT TACCTGGCTACTTCCCTGAGGTAGCTGTTTGGTTAT	89468							
PolarBear	TCAGATTCTTTTGT CAAGTC- - AGCTGACTAGG- AACTTCTCATTACCTGACT- CTTCCAGAGTTAGCTCTTTGGTTAT	47493							
Cow	- - - - A- - CTCTATTTGGGAA- - - - -	ATACTCAGTTGTTTATAAGCAAAT- - - - -	AT	83498					
Dog	- - - - ATTGTTTTGT CAAGTC- - CGATGACTAGA- ATATTTCTCATTACCT- A- - - TTTCCAGAGGTAGCTCTCTGGTTAT	77600							
BelugaWhale	TCACATCCTTTTATCAGCAATCAGCTGACTAGA- ATCTCCCTTATTACGTGGTTACTTTCTGAGTTAGCTGTTTGGTTGT	77779							
Donkey	- - - - - TCTTTTGT CAGAAATCAGCTGACTAGA- ATCTCTCTCATAATCTGGCTATGTCTTGAGGTAGTTGTTT GATTAT	86504							
Cat	- - - - - CT TTTTGT CAGGTC- - AGCTGACTCGACATACTTCTCATTACCTGACTACTTCTAGAGATAGCTTTTTTGGTTAT	82921							
Ferret	- - - - - GACTAGA- ATACCTCTCATTACCTGACTACTTCCAGAGTTAGCTCTTTGGTTAT	85207							
Lion	TCATATTCTTTTGT CAGGTC- - AGCTGACTTGACATACTTCTCATTACCTGACTACTTCTAGAGATAGCTTTTTTGGTTT	80670							
Vaquita	TCACATCCTTTTATCAGCAATCAGCTGACTAGA- ATCTCCCTTATTACGTGGTTACTTTCTGAGTTAGCTGTTTGGTTGT	79036							
Pig	- - - - ATCCTTACTCAGCAGTCAGCTGACTAAA- ATCTCTTCTGTACCTGGTTACTTTCTAAGGGAGTTGTTTGGTTAT	78105							

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Majority	TTTGCTTTATTTT- AATCCCATTTCTCT- ATCATCCATCTCCTCTTGGTGCAGGTAC- - - - - TATGCCTAGG							
	111690	111700	111710	111720	111730	111740	111750	111760
Human	TTAGCTTTATTTT- AATCCCATTTCTCT- ATCACTCATCTGTTCTGTATGCAGTTAC- - - - - TATGCCTGGG 89533							
PolarBear	TTTGCTTTGTTTT- AATACCATTTCTCT- ATCATCCATCTCCTCTTGGTACAGGTAC- - - - - TATGCCTAGG 47558							
Cow	TTT- - - - - TATGTTCAGA 83511							
Dog	TTTGCTTTATTTT- AATCCCATTTCTCT- ATCATCCATCTCCTCTTGGTACAGGTAC- - - - - TGTCCCTAGG 77665							
BelugaWhale	TTTGCTTTATTTTTAACCCCATTTCTCT- ATCATCCATCTCCTCTTGGTGCAGTTACTTA- - - - - CTATGCCTAGG 77849							
Donkey	TTTGCTTTGTTTT- AACCCCATTTCTGT- ATCATCTATCTCCTCTTTGTACAGTCAC- - - - - TATGCCTAAG 86569							
Cat	TTTGCTTTATTTT- AATCCCATTAGTCT- GTTATCCACCTCCTCTTGATGCAGGTGC- - - - - TATTCCTAGG 82986							
Ferret	TTTGCTTTATTTA- AATCCCAGTTCTCTTATCATCCATCTCCTCTTCGTACAGGTACATAGTAGAAGTACTGCGCCTAGG 85286							
Lion	TTTGCTTTATTTT- AATCCCATTAGTCT- ATTATCCATCTCCTCTTGGTGCAGGTGC- - - - - TATTCCTAGA 80735							
Vaquita	TTTGCTTTATTTTTAACCCCATTTCTCT- ATCATCCATCTCCTCTTGGTGCAGTTACTTA- - - - - CTATGCCTAGG 79106							
Pig	TTTGCTTTATTTT- AATCCCATGTTCT- CTCATCTGTCTCTCCTTGATGCA- - - - TTTA- - - - - CTGTGTCTAGG 78170							

Majority	ACTTTTT- - TGTTTTCTTATTTCTGCCCTTCAGTATCTCAAAGCTCAGCT- - GTTTGTGCAGTCTTTTCATAACTTTTTCA							
	111770	111780	111790	111800	111810	111820	111830	111840
Human	ACTT- - - - - ATTTTCTTATTCTTTCCCTCCATTATCTCAAAGCTCTGCT- - GTTTGTGCTGTCTTTTTAT- - - - - 89596							
PolarBear	ACTTT- - - - - GTTTTCTTATTTCCGCCCTTCAGTATATCAAAGCTCAGCT- - ATTTGTGCAGTCTTTTCATAACTTTTTCA 47631							
Cow	AAGT- - - - - AGTATGGGAGAAATAAA- - - - - TGGCAAGGTATAGTCAGTAATAGTCA 83558							
Dog	ACTTT- - - - - TTATTGTTATTTTACCCTTCAGTGTATCACAGCTCAGCT- - GATTGTGCAATCTTTTCATAACTTTACA 77738							
BelugaWhale	ACCTCTTG- T- - TTTGTTATTTGTGCCCTTCAGTATCTCAAAGCTCAACTCTGTTTGTGTAGTATTTTTATAACTTTCTCA 77926							
Donkey	ACTTACTGTTTTTTTTTTTATTCCCGCCCTTCAGTATCTCAAAGCTCAGCT- - GTTTGCAGTCTTTCCCTAATTTTCCA 86647							
Cat	ACTTTTTATTGTTTTCTTATATCTGCTCTTCAGTATCTCAAAGCTCAGCT- - GTTTATGCCGTCTTTTCATGACTTTTTCG 83064							
Ferret	AGTTTAT- - TGTTTTCTTATTTCTGCCCTTCATTATATCAAAGCTCAGCT- - GTTTGTGCAGTCTTTTCATAACTTTTTCA 85362							
Lion	ACTTTTTATTGTTTTCTTATATCTGCTCTTCAGTATCTCAAAGCTCAGCT- - GTTTATGCCGTCTTTTCATGACTTTTTG 80813							
Vaquita	ACCTCTTG- T- - CTTGTTATTTGTGCCCTTCAATATCTCAAAGCTCAACT- - GTTTGTGTAGTATTTTTATAACTTTCTCA 79181							
Pig	ACTTTTTG- TGTTTTCTTATTTGTGCTCTTCAGTATCGCAAAGTTTCAGCT- - CTTTGTGCGGTGTTTTTAAACTTTCAA 78247							

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Majority	AA- GCTGAACTAAGACAGCTTTTXXATXACAACCTT- AGTCTACTTCTTTATACCACTTTATTCCCCAGACTCATTCT								
	111850	111860	111870	111880	111890	111900	111910	111920	
Human	- - - - - TTA- GACAGCTTTTTTCTGACAACGTTAAGTCTACTTATTTATATCACTTTATTTCTCAAACCTCACACTT								89666
PolarBear	AA- GCTGAACTAAGATAGCTTT- - - - ATAAGAGTCTT- TGTTTACTTCTTTATATCACTTTATTTCCCAGATTCTTTCT								47705
Cow	A- - GTGTGAATGGAAT- - TATTGCAAATCTTAG- - - - - AGGC- - - - - C- ATGTTAAATCATTTT- - AGACC- - - - -								83612
Dog	AA- GCTGAACTAAGCATTCTTT- - - - ATAACAG- - - - - TGTGCTTCCTTATACCACTTTATTCCCTAAATTCTTTCT								77806
BelugaWhale	AAAGCTGCACTAATACACCTTTTCTTATGACAACCTT- AGACTACTTCTTTATGCCACTTTATTCCCCAAAACCTCATTCT								78005
Donkey	AA- GCTAC- CTAGGACAGCTTTCTT- ATGACAGCCTT- AGTGTGCT- - - TTATACCACTTCATCCCCAAGACGTATGCCT								86720
Cat	AA- GATGAACAAAGATAGCTTTCTT- ATAACAACCTT- AGTCTACTTCTTTATACCACTTCATTCCC- AGATTCTTTCT								83140
Ferret	AA- GCTGAACTAAGACAGCTTTCTTTATAACAGCCTT- AATCTACTTCTTTAAACCACTTTATACCCTAGATTCTTTCT								85440
Lion	AA- GATGAACAAAGATAGCTTTCTT- ATAACAACCTT- AGTCTGCTTCTTTACACCACTTCATTCCC- AGATTCTTTCT								80889
Vaquita	AAAGCTGCACTAATACACCTTTTCTTATGACAACCTT- AGACGACTACTTTATGCCACTTTATTCCCCAAAACCTCATTCT								79260
Pig	A- - GTTGCCTAAAACACCTTTTCTTATGACAA- - - - - GGTC- - - - - T- ATGTCACATTATTCTCCAAAACCTCATTCT								78312

Majority	TATAACACAT- - TTTGTATGAGGTAATAGCACTTTATCATAAGCAAAGTTCTGTTCACTTAA- - - AATA- - - - - ATAGA								
	111930	111940	111950	111960	111970	111980	111990	112000	
Human	AATAACACAT- - TTTATCTGAGGTAGT- - - - - TTATC- TAAACAAAAGTTTGTTCACTTAAAATAGTT- - - - - ATAGA								89731
PolarBear	TATAACACAT- - - TTGTATGAGCTAAT- - - - - CATAAGCAA- - - - - TAG- - - AATG- - - - - ATAGA								47750
Cow	- - - - - AGAA- - TTTT- - AAATTTGCAG- ACATT- - - - - AAAGATGTTTCCATTCT- - - - AC- - - - T- - ATAG-								83661
Dog	TATAATGCAT- - - TTGTATGAGCTAAGAGTACTTTATCATAAGTAA- - - - - TAG- - - AATG- - - - - ATAGA								77861
BelugaWhale	TATAACACAT- - TTTGTTTGGGTAATAGCACTTTATTATAAGCAAAGTTCTGTTCACTTAAAACAACA- - ATTAATAGA								78081
Donkey	TAAAAACAT- - TTTGTGGGATGGGGCCGGCCCGTGGCCGAGTGG- - - - - TTAAGTTCGCGCGCTCCGCTGCAGGCG								86791
Cat	TATAATCCATGCCTTATATGATGTAGTAGCACTTTTTTATAAGCAAAGTACTGTTCACTTAA- - - AACA- - - - - ATAGA								83211
Ferret	TAAAAACAT- - - TTGTGTATGCTAATAGCTCTTTATCATAAGCAA- - - - - CAG- - - AATG- - - - - ATAGA								85495
Lion	TATAACCCATGCCTTATATGATGTAGTAGCACTTTTTTATAAGCAAAGTACTGTTCACTTAA- - - AACA- - - - - ATAGA								80960
Vaquita	TATAACACAT- - TTTGTATGAGGTAATAGCACTTTATTATAAGCAAAGTTCTGTTCACTTAAAACAACAGAATTAATAGA								79338
Pig	TATCATAGAT- - ACTGT- - GAACTAATAGCACTTTCTAATAAGAAAAGTTCTGTTCACTTAAATAGAAT- - - - T- - ATAGA								78382

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Majority	ACTTTAAAAATGT- - - - - TTTATAATTCAAGTAAGTTTTATTATAATAG- - - TTTAT- - - - - ATACCATCTCTA								
	112010	112020	112030	112040	112050	112060	112070	112080	
Human	ACTTTAAAAATT- - - - -	TTATAATTC- AGTGGGTTTTATTG	AAAAGGATTTTAT- - - - -	GTACTGTC	CACTG				89791
PolarBear	ACTTTAAAAATGT- - - - -	TTTGTAAATTCAAGTAAGTTTTATTATAATAG- - -	TGTAT- - - - -	GTACCATCTCT-					47810
Cow	- CCT- - - - -	ATTTAATTAA- - - - -	TATACTAGAATTTTC- -	TTAA- - -	ATTAGGTAGTTT				83705
Dog	ACTTTAAAAATGT- - - - -	TTTGTAAATTCAAGTAAGTTTTA- - -	TAATAG- - -	CTTAT- - - - -	ATACCATGTCTA				77919
BelugaWhale	ACCTTAAAAATAT- - - - -	TTTATAATTCAAGTAAGCTTTATTATAAAAAG- - -	TTTAC- - - - -	ATACCATCACTA					78142
Donkey	GCCC- - -	AGTGTTCGTCAGTTCG- AATCCTGGGCACAGACATGGCACTG- - -	CTCAT- - - - -	CAAGCCACGCTTA					86855
Cat	ATTCTAGAACTTT- - - - -	ATTTTATAAATCAAATAAGTTTTATAAAAAGGAG- - -	TTTAT- - - - -	GTACCATCTCT-					83273
Ferret	ACTTTAAAAGTGT- - - - -	TTTGCAATTCAAGTTAATTTTA- -	ATAGT- - - -	TTTAT- - - - -	GTACCATCTCTA				85552
Lion	ATTCTAGAACTTTGAAAATATTTTATAAATTCAAATAAGTTTTATAAAAAGGAG- - -	TTTAT- - - - -	GTACCATCTCT-						81028
Vaquita	ACCTTAAAAATAT- - - - -	TTTATAATTCAAGTAAGCTTTATTATAAAAAGGAGTTTAC- - - - -	ATACCATCACTA						79402
Pig	ACCTTAAAAATAT- - - - -	TTTATAATTCAAGTAAATTTTATTATAAAAAGGAGTTTACATTAACACACTGGATAATTT							78454

Majority	TGAAT- - - - AATT- - - - - AXTT- GATTTTATAAGTGXX- - - GAAATTTAGXX- AX- - - - - XG- - - - -								
	112090	112100	112110	112120	112130	112140	112150	112160	
Human	TAGAT- - - -	AATT- - - - -	GGTTTTACAGGTGTAAGCGTAAATTTGCA- AG- - - - -						89831
PolarBear	- GAAT- - - -	AATT- - - - -	GATTTTATAAGTG- - - - -	AAAATTTAGAAGTATATGT- - - -	GATGTGCAGGGG- - -				47862
Cow	AGG- - - - -	AAT- - - - -	AACAGAATTTGTAAATTATGTTTGAAAT- -	AGTGTA- - - - -	CTGA- - - - -				83749
Dog	TGAGT- - - -	AATTG- - - -	AATTGAATTTTGTAAAGTG- - - -	AAAATTT- - - - -					77954
BelugaWhale	TGGAT- - - -	AATT- - - - -	GAGTTGATTTTATAAGTATATGGGAAATACAGTGTAAAGGAGTTAAGGCCTGACAGC- -	TT					78210
Donkey	AGAATATACA	ACTATGTACCGGGGGGCTTTGAGGAGAAAAAGGAAAAAAAAAAAAAAAAAGC	ATTTTGTGGGAGGTAATTGCA						86935
Cat	- GAAT- - - -	AATGC- - - -	AGTT- GATTTTGTAAAGTG- - - -	AAAATTT- - - - -					83306
Ferret	TGAAT- - - -	AAT- - - - -	GATTTTATAAGTG- - - -	AAAATT- - - - -					85579
Lion	- GAAT- - - -	AATGC- - - -	AGTT- GATTTTGTAAAGTG- - - -	AAAATTT- - - - -					81061
Vaquita	TGGAT- - - -	AATT- - - - -	GAGTTGATTTTATAAGTATATGCGAAATACAGTGTAAAGGAAGTTAAGGCCTGACAGC- -	TT					79470
Pig	GAGTT- - - -	GATTTTATTAAGTGTAAAGTTTTTAAATGTATGTGAAATGCAGTGTAAAGAAAG- - - -	GGCCTGGAGATGATT						78526

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Majority	T - - XT - - X - - X - - - - - ATXXXATAAAXX - X - X - X - TATXTGTGAAATGCA - - X - GTATAACAAGTGAGAAA - - -										
	112330	112340	112350	112360	112370	112380	112390	112400			
Human	AGCCT	-	-	-	-	-	-	-	-	-	89973
PolarBear	TCTGT	CACATA	AAATAA	ATAAAT	CTTAAAA	AAAAAAA	-	-	-	-	48087
Cow	TACTTACA	-	-	-	-	-	-	-	-	-	83914
Dog	-	-	-	-	-	-	-	-	-	-	77991
BelugaWhale	TGTATACATCATGAGTTGATTATCACAGTAAATTTAGTGAACATCCATCATCTCATATACTTATAAAAATAAAAGAAATAG										78448
Donkey	GTGAATAATTGAGCTGTTTTTATAAGTGTAATTTG	-	-	-	-	-	-	-	-	-	87117
Cat	-	-	-	-	-	-	-	-	-	-	83343
Ferret	-	-	-	-	-	-	-	-	-	-	85613
Lion	-	-	-	-	-	-	-	-	-	-	81098
Vaquita	TGTATACATCATGAGTTGATTATCACAGTAAATTTAGTGAACATCCATCATCTCATGTACTTATAAAAATAAAAGAAATAG										79700
Pig	TACATACATCAAGAAGTGATTATCACATAAATTTAGTGAACATCCATCATCTCAT	-	-	-	-	-	-	-	-	-	78729

Majority	- - AAATTCAGGCCTGAGAT - - TACTTTTTXT - - - - T - - TCTXTTAGCCTX - AXTT - - - - - ACAAACCTAAXAAAAATA										
	112410	112420	112430	112440	112450	112460	112470	112480			
Human	-	-	-	-	-	-	-	-	-	-	90030
PolarBear	-	-	-	-	-	-	-	-	-	-	48146
Cow	-	-	-	-	-	-	-	-	-	-	83984
Dog	-	-	-	-	-	-	-	-	-	-	78059
BelugaWhale	AAAAAATTTT	-	-	-	-	-	-	-	-	-	78525
Donkey	-	-	-	-	-	-	-	-	-	-	87176
Cat	-	-	-	-	-	-	-	-	-	-	83406
Ferret	-	-	-	-	-	-	-	-	-	-	85635
Lion	-	-	-	-	-	-	-	-	-	-	81154
Vaquita	AAAAATTTCT	-	-	-	-	-	-	-	-	-	79779
Pig	AAAAATTTTT	GTGTGAT	GAGAAA	ACTCTTAG	GATTTACT	CTCTTA	ACTTTT	CATGTG	TAAACATACATCATTGTTAA	-	78807

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Majority	TATTACAAATXTXT- AACACTACAXXCAXAATAATT- - - - - GGAAGAGTAAACTTGTTTTTACAAATTAG										
	112490	112500	112510	112520	112530	112540	112550	112560			
Human	AGTTC- -	AATGGCTAGTGGTTA- - -	TCATAATA- - - - -	- - - - -	- - - - -	AGAAAAAT- - - - -	- - - - -	- - - - -	- - - - -	TTAA	90070
PolarBear	CATTACAAATACATTAACACTACAGTAAAAACAGTC- - A- - - - - GGAAGAGTAAACTTGTTTTTAAAAATTAG										48212
Cow	TATTTGT CATGT- TGTACATTACATCCTTAGTACCTCTTTATCTTATAACTGGAAGAGTAAATTTGATTTTACAAATTAG										84063
Dog	CATTACAAATATAT- AACACTACAGTAAAAACAGTC- - A- - - - - GGAAGAGTAAGCTTGTTTTTACAAATTAG										78124
BelugaWhale	TATTTATCATGT- TGTACGCTACATCCTTAGTATTT- - - ACCTTATAACTGGAATAGTAAACTTATTTTACAAATTAG										78600
Donkey	TATTA AAAATATAT- AGCACTGCA- CTAAAACAATTA- - - - - GAAAGAGGAAGCT- - - TTTTACAAATGAG										87237
Cat	- ATTACAAATACAT- AACACTACAGTAAAA- TAATT- - G- - - - - GGAAGAGTAAACTTGTTTTTACAAATTAG										83469
Ferret	- - - - -										85635
Lion	- ATTACAAATACAT- AACACTACAGTAAAA- GAATT- - G- - - - - GGAAGAGTAAACTTGTTTTTACAAATTAG										81217
Vaquita	TATTTATCATGT- TGTACGCTACATCCTTAGTATTT- - - ATCTTATAACTGGAATAGTAAACTTATTTTACAAATTAG										79854
Pig	TTTTTCTCATGT- TGTACATTACATCCCTAATACTTAAATATCTTATAACTGGAAGAGTAAACTTGTTTTTACAATTTAA										78886

Majority	GGAAGCTATAAGTGAAA- AA- - - - - TACXXTTGATTCTTTTCTGAATGGTACCTTA- TACTT XTATAGCATT TTCCTTT										
	112570	112580	112590	112600	112610	112620	112630	112640			
Human	GGAAGTTATAGGTAAAATAAGAATTTTACTTTTTGTTTCTTTTCTGAATGGTACCTCA- TATTTT GACAGCATTATCCTTT										90149
PolarBear	GGAAGCTGTAAGTGAAA- AAAGAACA TACTTTT GATTCTTTTCTGAATGGTACCTTA- TACTTTTATAGCATT TTCCTTT										48290
Cow	GGAAGCTATAAATGAAA- AA- - - - - GATTTTTC- - AGAATGGTACCTTA- TACTTTTATAGCATT TTCCTTT										84126
Dog	AGAAGCTACAAGTGAAA- AAAGAAAATACTGTTGGTTCTTTTCTGAATTGTACCTTA- TACTTT CATAGCATT TTCCTTT										78202
BelugaWhale	GGAAGCTATAAATGAAA- AA- - - - - GATTTTTT- GGAATGGTACCTTA- TACTTCTATAGCATT TTCCTTT										78664
Donkey	GAAAGCTGTAAGTGAAA- AA- - - - TTTACGTTT GATTCTTTTCTGGATGGTACCTTA- TACTTCCACGGCATT TTCCTCT										87311
Cat	AGAAGCTGTAAGTGAAA- TAAGAATTTACTTTTTGAATCTTTTCTGAATGGTACCTTAACACTTCTACAGCATT TTCCTTT										83548
Ferret	- - - - - A- - - - -										85636
Lion	GGAAGCTGTAAGTGAAA- TAAGAATTTACTTTTTGAATCTTTTCTGAATGGTACCTTAACACTTCTACAGCATT TTCCTTT										81296
Vaquita	GGAAGCTATAAATGAAA- AA- - - - - GATTTTTT- - GGAATGGTACCTTA- TACTTCTATAGCATT TTCCTTT										79917
Pig	GGAAGCTATAAGTGAAA- AA- - - - - GATTTTTT- - GGAATGGTACCTTA- TACTTTTATAGCATT TTCCTTT										78949

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Majority	T CAGACCTGTTTTAT- - - - - ATTTAACTGGTTTA- - TTCTATACAAGTAAGTATGACAAGATGCATGGATTTAACA								
	112650	112660	112670	112680	112690	112700	112710	112720	
Human	T CAGATCTGTTTTAT- - - - - ATTTAATTGGTTTA- - - TTATACATGTAAGTATGATTAGATTCATGGATTTAACC								90216
PolarBear	T CAGACCAATTTTAT- - - - - ATTTAACTGGTTTATATTCTATACAAATAAGTATGACAGGATGCACAGATTTAATA								48361
Cow	T CAGACCTGTTTTAT- - - - - ATTTAACTGGTTTG- - TTCTATACAAGTAAGTATGACAAGATGCATGGATTTAACA								84195
Dog	T CAGACCTGTTTTAT- - - - - ATTTAACTGATTTATGTTCTATACAGGTAAGTATGATAAGATGCATGGGTTTAATA								78273
BelugaWhale	T CAGACCTGTTTTAT- - - - - ATTTAACTGGTTTA- - TTCTATACAAGTAAGTATGACAAGATGCATGGATTTAACA								78733
Donkey	T GAGGCATGTTTTAT- - - - - ATTTAACTAGTTTA- - GTCTATGCAAGTAAGTATGTCAAGATGCATGGTTTTAACA								87380
Cat	T CAGAACTGTTTTATATTTAACTGGTTTAACTGGTTTATATTCTATGTGAGTAAGTAGGAAAAGATGCTTGGATTTAATA								83628
Ferret	----- GATG-----								85640
Lion	T CAGAACTGTTTTAT- - - - - GTTTAACTGGTTTATATTCTATGTGAGTAAGTAGGAAAAGATGCTTGGATTTAATA								81367
Vaquita	T CAGACCTGTTTTAT- - - - - ATTTAACTGGTTTA- - TTCTATACAAGTAAGTATGACAAGATGCATGGATTTAACA								79986
Pig	T CAGACCTGTTTTAT- - - - - GTTTAACTGGTTTA- - TTCTATACAAGTAAGTATGACAAGATGCATGGATTTAACA								79018

Majority	AATTCTGGGT- ATCTCCTGTGTCAGACTGTGTAAGTATACTAATCAAATTAATA- CATT- TGAGAGTAGGGATTTT								
	112730	112740	112750	112760	112770	112780	112790	112800	
Human	AGTTCTTTGT- ATCTTCTGTGTCAAAATGTATACTGTAGTATACTGTTTATATTAGAACTCTTTAAAAGTGGATGTTCT								90295
PolarBear	AATTCTGTGT- ATCTCCAGTGTGTCAGACTGTGTAAGTATACTAATCAAATTAATAACATTT- TGAGAGTAGGGATTTT								48439
Cow	AGTTCTGGGT- ATCTCCTGTGTCAGACTGTGTAAGTATACTAATCAAATTAATAAACATTT- TGAGAGTAGGGATTTT								84273
Dog	AATTCTGTGT- ATCTCTGGTATCAGACTATGTGCTGCAAGTATACTAATCAA- - AAACATTT- TGAGAGTAGGGGTTTT								78348
BelugaWhale	AATTCCGGGT- ATCTCCTGTGTCAGACTGTGTAAGTATACTAATCAAATTAATA- CATT- TGAGAGTAGGGATTTT								78810
Donkey	AATTCTGACT- ATATCCTATGTGTCAGACTGTGTAAGTGTGGTCTACTCATCAAATTAATAAGATTCTGAGGGTAGGAACTCT								87459
Cat	AATTGGGCAT- ATCTCTGGTGTGTCAGACTGTGTAC- - - - - GACTG- - - - - T- TGTGAGTAGG- ATTTT								83683
Ferret	-----								85640
Lion	AATTGTGCAT- TTCTCTGGTGTGTCAGATTGTGTAC- - - - - GACTG- - - - - T- TGTGAGTAGG- ATTTT								81422
Vaquita	AATTCCGGGT- ATCTCCTCTGTGTCAGATTGTGTAAGTATACTAATCAAATTAATA- CATT- TGAGAGTAGGGATTTT								80063
Pig	AATTTTGGATTATCTCCTGTGTCAGACTGTGTAAGTATACTAATCAAATTAATAAACATTT- TGAGAGTAGGGATTTT								79097

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Majority	GTTCTCAXTTCCCTGCTCTTCCA- XATTGCCTTTAXCTCTC- TGCTGTTAATACTCTAATACTTTGA- - - - GTAGTCAA								
	112810	112820	112830	112840	112850	112860	112870	112880	
Human	ATTCTTAATTTCCCTGATCTTCCA- CATTGTCTTTATCTGTA AACTCTACTGTTTTTTGTTGGTTTTTTGTTTTTGTTTTGAG								90374
PolarBear	GTTCTCATTTCCCTGCTCTTCCA- CATTGCCTTTATCTCTC- TGCTGTTAATACTCTAATACTTTGA- - - - GTAGTCAA								48512
Cow	GTTCTCAGTTCCCTGCTCTTCCA- TATTGTCTTTACCTCTC- TGTGTTAATACTCTAATACTTTGATTTGAGTAGTCAA								84351
Dog	ATTCTCATTTCCCTGCTCTTCCA- TATTGCCTTTATCTCTC- TACTGTTAATACTCTAATACTTTGA- - - - GTAGTCAA								78421
BelugaWhale	ATTCTCAATTTCCCTGCTCTTCCA- TACTGCCTTTACCTCTC- TGTT- - TAATACTCTAATACTTTGA- - - - GTAGTCAA								78881
Donkey	- - TCTCAGTTCCCTGCCCTTTCA- CATT- CCTTTACCTCTC- TGCTCTTAATACTCTAATACTGTGATTTGAGCAGTCAA								87534
Cat	GTCCTCATTTCCCTTTTCTTCCA- CCTTGCCTTTATCTCTC- TGCTGTTAATACAC- - AACTTGGA- - - - ATAGTCAA								83754
Ferret	-----								85640
Lion	GTCCTCATTTCCCTTTTCTTCCA- CCTTGCCTTTATCTCTC- TGCTGTTAATACAC- - AACTTGGA- - - - GTAGTCAA								81493
Vaquita	ATTCTCAATTTCCCTGCTCTTCCA- TACTGCCTTTACCTCTC- TGTT- - TAATACTCTAATACTTTGA- - - - GTAGTCAA								80134
Pig	GTTCTCAATTTCTCTGCTCCTCCAATATTGCCTTTACCTCTC- TGTGTTAATACTCTAATACTTTGATTTGAGTAATCAA								79176

Majority	AT- AGACCTTCAGTTT- - - AGCXAXACTATATGAC- TTATGAAATGGTCTTCTTTAGTTGT- - - - - GACTAGT- GAXTA								
	112890	112900	112910	112920	112930	112940	112950	112960	
Human	AC- AGAGTCTCGCTCTGTCACCCAGGCTGGAGTGC ACTGTGGCACCATCTCAGCTCACTGTAACCTCCGCCTCCTGGGTA								90453
PolarBear	ATCAGACCTTCAGTTT- - - AA- - AGTATATATGAC- TTTTCAAATGGTCTTAAGTTGTTGT- - - - - GACTAGT- GAGTA								48579
Cow	AT- AGACGTTTCAGTTT- - - AGCTAAACTATATGAC- TTATGACATGGTTTTCTTCAGTTGT- - - - - GACTACTTGAATA								84420
Dog	ATCAGACGTTCCAGTTT- - - AA- - AGTATAT- - GGC- TTACGAAATGGTCTTCAGTTGTTCT- - - - - GACTAGT- GAGTA								78486
BelugaWhale	AT- AGACTTTTCAGTTT- - - AGCTAAACTATATGAC- TTATGACATGGTTTTCTTCAGTTGT- - - - - GACTAGT- GAATA								78949
Donkey	ATCAGACCTTCTGTTT- - - AGCTCAAGCATATGAC- TTATGAAATAGTCTTTTTTAGTTGTTGT- - - GACTAAT- GAATA								87606
Cat	ATCAGACCTTCAGTTT- - - AA- - AGTATAT- - GAC- TTATAAAATGGTCGTAAGTTGTTGT- - - - - GGCTAGT- GAGTA								83819
Ferret	-----								85640
Lion	ATCAGACCTTCAGTTT- - - AA- - AGTATAT- - GAC- TTATAAAATGGTCGTAAGTTGTTGT- - - - - GACTAGT- GAGTA								81558
Vaquita	AT- AGACCTTCAGTTT- - - AGCTAAACTATATGAC- TTATGACATGGTTTTCTTCAGTTGT- - - - - GACTAGT- GAATA								80202
Pig	AT- AGACCTTCAGTTT- - - AGCTAAACAGTATGAC- TTATGAAATGGTTTTCTTCAGTTGT- - - - - GACTAGT- GAATA								79244

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Majority	AAACATAAAACXTATA- - ACTGTTCTGTAATCTCAGACCA- GTTCATTTAGTTTAAAAATAACCCAAGTCTXCCTCAAG								
	112970	112980	112990	113000	113010	113020	113030	113040	
Human	CAAGCAATTCTGCCTCAGCCTCCTGAGTAA-	CTGGGACCACAGGCACGAGCCACCACGCCAGCTAATTTTTGTATTTTT							90532
PolarBear	AAA- - - - - CATAGAGA	ACTGTTCTGTAATCTCAGATCA-	GTTCATTTAGCTTAAAAATAATCCAAGTCTACTTCAAG						48651
Cow	AAACATAAAACGTATA-	ACTGTTCTCTAATCTCAGACCA-	GTTTATTTAGTTCAAAAAGTAACCCAAGTCTGCCTCAAG						84497
Dog	AAATGTGAAACGTAGAGA	ACTGTTCTGTAATCTCAGGCCA-	GTTCATTTAGCTTAAAAATAACCCAAGTACTTCAAG						78565
BelugaWhale	AAACATAAAACGTATA-	ACTGTTCTCTAATCTCAGACCA-	GTTCTTTTAGTTGAAAAGTAACCCAAGTCTGCCTCAAG						79026
Donkey	AAACATATAACATGTT-	AACCGTTCTTGAATCTCAGACAA-	GTCCATTTAGTTTAAAAATAACCCAACCAGTACCTCAAG						87684
Cat	AAACATAAAACATGTA-	ACTTATCTGTAACCTCAGACCA-	GTTTCGTTAGTTTAAAAATAACCCAAGTACCGCAGA						83896
Ferret	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	85640
Lion	AAACATAAAACATGTA-	ACTTATCTGTAACCTCAGACCA-	GTTTGCTTAGTTTAAAAATAACCCAAGTACCGCAGA						81635
Vaquita	AAACATAAAACGTATA-	ACTGTTCTCTAATCTCAGACCA-	GTTCTTTTAGTTGAAAAGTAACCCAAGTCTGCCTCAAG						80279
Pig	GAACATAAAACATATATA	ACTGTTCTCTAATCTCAGACCA-	GTTCATTTAGTTCAAAAATAACCCAGTCTGCCTCAAG						79323

Majority	AAGTAGGCATGTXAT- - - GTT- CTGTGTTTAGGCACTGTGCTGTGTGCTG- GGGTAGAGACXGTGGTTCCTGCCTTCATG								
	113050	113060	113070	113080	113090	113100	113110	113120	
Human	A- GTAGAGATGGGGT- - -	GTTACCATATT- -	GGC- - CAGGCTG-	GTCTCGAACTCCTAGACCTTGTGATCCGCCACCTC					90603
PolarBear	AAGTAGGCATGTAAT- - -	GTT- TTGTGTTT	AAGCACTGTA	CTTTGTGCTG-	GAATAAAGACCGTGGTGCCTGCCTTCATG				48726
Cow	AAGTAGGCATGTGAT- - -	GTT- CTGTGTTT	AAGCACTGTGCTGTGTGCTG-	GGGTAGAGACACTGGTTCCTGCTTCATG					84572
Dog	AATTAGGTATGTAAT- - -	GTT- CTGTGTTT	AAGCACTGTGCTGTGTGCTG-	GGATAGAGACCGTGGTTCCTGCCTTCATA					78640
BelugaWhale	AAGTAGCTATGTGAT- - -	GTT- CTGTGTTT	AAGCACTGTGCTGTGTGCTGTGGGAGAGACACTGGTTCCTGCTTCATG						79102
Donkey	AAGTAGCCACATAAT- - -	GTT- CTGT	TTTTAGGCATTGTGCTGTGTGCTG-	GTGTAGAGACAGTGGTTCCTGCCCTCATG					87759
Cat	AAGTAGGCATGTAATAATGTT-	CTGTGTT-	AGGCACTGTGCTGTGTGCTG-	GGATAGAGACCGGGGTTTCCTACCTTCATG					83973
Ferret	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	85640
Lion	AAGTAGGTATGTAATAATGTT-	CTGTGTT-	AGGCACTGTGCTGTGTGCTG-	GGATAGAGACCGGGGTTTCCTACCTTCATG					81712
Vaquita	AAGTAGCTATGTGAT- - -	GTT- CTGTGTTT	AAGCACTGTGCTGTGTGCTGTGGGAGAGACACTGGTTCCTGCTTCATG						80355
Pig	AAGTAGCCATGTGAT- - -	GTT- CTGTGTTT	AAGCACTGTGCTGTGTGCTG-	GGGTAGAGACACTGGTTCCTGCTTCATG					79398

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Majority	GAXAA- TAGAXTAGGAGGGATAGTGAAGGAGATGXGAAATTGTTATAXATAGAACA- - - - -								
	113290	113300	113310	113320	113330	113340	113350	113360	
Human	GGTGAATAAAACAT- - ATAAC TTTCTAGCATCAGACCAGTTTCA TTTAGTTTAAAAATGATCCA- - - - -								90817
PolarBear	GAGAA- - AGGTTAGGAAAGATAACGAACAAGTTGGGAAATTATTATAGATAGAACA- - - - -								48913
Cow	GACAAATAGCTTAGGAAAGATTGTGAAGGAGATAGGAAATCATTATAAGTAGAAAA- - - - -								84767
Dog	GAGAA- - AGGCTAGGAGGGATAATGAACAAGATGGGAAACTGGTATAGAT- - - - CA- - - - -								78784
BelugaWhale	GATAAATAGATTAGGGGGGATAGTGAAGGAGATAAGAAATTGTTATAAATAGAAAATAGTGAAGGAGATAAGACATTGCT								79329
Donkey	GATGTGTAGACCAGGAGGGACAGTGAAGGAGAT- - - AAATTGTTACAAATAGACCA- - - - -								87958
Cat	GAGAA- - AGACTAGGAGGGATAATGACCA- GATGAAAAATTATTGTAGCTAGAACA- - - - -								84139
Ferret	- - - - - TTGGGAAATTGTTATACATAGAACA- - - - -								85666
Lion	GAGAA- - AGACTAGGAGGGATAATGACCA- GATGAAAAATTATTGTAGCTAGAACA- - - - -								81870
Vaquita	GATAAATAGATTAGGGGGGATAGTGAAGGAGATAAGA ACTTGTATAAATAGAAAA- - - - -								80561
Pig	GAAGAGTAGTAGATTAGGGATGGTAAAGGAGATAGGAAATTGTTATAAATAGAAAA- - - - -								79588

Majority	- - - - - GCATGCACACAGGGCTAAA- GGTAAGAAA- - - AACXXXCACGTTAAXGAAAATAGG- TTTTGTATAGC								
	113370	113380	113390	113400	113410	113420	113430	113440	
Human	- - - - - GCAGCTATGTCAAGAAATA- GTCATGTAATGTTCTGTTTTCACACACTGCACTATGTTCTGGGGTAGA								90884
PolarBear	- - - - - GCATGCACACAGTGCTAAA- GGTAAGAAA- - - AACAAACATGTCAAGGA- GATAGG- TTTTATATAGC								48975
Cow	- - - - - GCATG- - CACCAGGCTAAA- GGTTAAATA- CTAGCATTGT- TTA AAAAAAAAAATG- TTTTGTACACC								84829
Dog	- - - - - GCATGCATACAGGGCTAAA- GGTAAGAAA- - - AACTAGCACTTTAAGGA- GATAGG- TTTTATGTAGT								78846
BelugaWhale	ATAAATAGAAAAGCATGCACACGGGGCTAAA- GGTA AAAAA- - - AA- CTAGTGTTTAAGAAAATACA- TTTTGTACACC								79402
Donkey	- - - - - GCATGCACACGGGGACTAAA- GGGAAAGAAA- - - AACTGGCAC- TTAAGCAACCATG- TTTTGTATAGC								88020
Cat	- - - - - GCATGCACACAGGGCTAAAAGGTAAGAAA- - - AATTGGCACTTCAAGGAAGATAGGGTTTTGTATAGC								84204
Ferret	- - - - - GCATACACACAGGGTAAA- GGTGGGAAA- - - AACGAGCATGTCAAGGA- GATAGG- TTTTATATAGC								85728
Lion	- - - - - GCATGCACACAGGGCTAAAAGGTAAGAAA- - - AACTGGCACTTCAAGGAAGATAGGGTTTTGTATAGC								81935
Vaquita	- - - - - GCATGCACACGGGGCTAAA- GGTA AAAAA- - - AA ACTAGTGTTTAAGAAAATACG- TTTTGTACACC								80623
Pig	- - - - - GCACAGACACCGGGCTAAA- GGTA AAAAAACTAGCATTTCGTTTAAGGAATAGG- TTTTGTACAGC								79654

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Majority	AATATATG- TTCAGAGAGGCTGGAGAGAT- ATXTTAGGGTCAGACTGXGAAAXXTXAAAXXGGCATGTTAAAXXTC- - - T								
	113610	113620	113630	113640	113650	113660	113670	113680	
Human	GATTTCTGCATTAAGGATACTCAACCTGT- - - - - ACAGACTGGGAAAGGT- - ATAAGCCATGTTAAAGAA- - - - T								91080
PolarBear	GAAATAC- - TTCCAAGAGGCTAGGGAGAT- - - - - TTCATT- CTTTAACATGGCTT- ATACTTTTC- - - C								49158
Cow	AATATTTA- TTCAGGGAGGCTTGAGAAAG- ATGTTAGGGTCAGACTGAGAAATAT- - AGAAGACATGTTGAA- - - - - T								85024
Dog	GAAGTATG- TTCAAAGAGGCTGGGGAGAT- - - - - TTTATT- CTTTAACATGGTTT- TTGCCTTTC- - - C								79029
BelugaWhale	AATGTTTA- TTCAGGGAGGCTTGATAGAG- ATGTTAGGGTCAGACTGAGAAAGGCGCATAAGCCATGTTAAAGAAAGAGT								79608
Donkey	AATATCTG- TTCAAAGAGGCTGGAGAGATAAT- TTAGGGTCAGACTGGGAAAGGT- - ACAAGCCATGTTAAAGAA- - - - T								88217
Cat	TAAATATG- TTCAGAGATGCTGGGGAGATCAGGATATAGTCCAAATTCATTTCTTCAACATGGCTTTATACCTTTC- - - C								84403
Ferret	GAAATATG- TTCAAAGAGGCTGAGGAGAT- - - - - TTCATT- CTTTAATATGGCTT- ATACCTTTC- - - C								85912
Lion	TAAATATG- TTCAGAGATGCTGGGGAGATCAGGATATAGTCCAAATTCATTTCTTAAACATGGCTTTATACCTTTC- - - C								82110
Vaquita	AATGTTTA- TTCAGGGAGGCTTGATAGAG- ATGTTAGGGTCAGACTGAGAAAGGCGCATAAGCCATGTTAAAGAAAGAGT								80829
Pig	AATATCTG- TCCAGGGAAGCTTGAGAGGA- ATATTAGGGTCAGACTGAGAAAGGT- - TTA- GTCATGCTAAAGA- - - - GT								79874

Majority	TAGTTTGAAC TTX- TCCCTAAGGATTTTAAAG- - CAGGTAATGACAT- - - CAGATTTGTAATTT- ATAGAGGTCATCCAGC								
	113690	113700	113710	113720	113730	113740	113750	113760	
Human	GAGTTTCAACTTTGTCCTTAAGGGTTTTAAG- - CAGGTATTGACGTGATCAGATTTGTAATTT- ATGAAGGTCATCAAGC								91157
PolarBear	TAGTCTGA- - - - - CCTCAAGGATTTTAAAG- - CAGATAATGACAT- - - CAGATTTGTAATTT- ATAGAGTTCATCCAGC								49225
Cow	AAGTTGAGGCTTCATCCTTAAGGATTTTAAAG- - CAGGTAGTGACAT- - - AGATTTGTA- TAGAACGGAGG- - - - -								85088
Dog	TAGTCTGATCT- - GACCTTAACGATTTTAAAG- - CAGGTAATGACAT- - - CAGATTTGCAATTT- ATAGGGCTCATCCAGC								79101
BelugaWhale	AAGTTTAGACTTTTATCCCTAAGGGTTTTAAG- - CAGGTAGTGACAT- - - AGATTTGTA- TAGAATGGATTG- - - - -								79673
Donkey	GAATTTGGACTTTGTCTCTAAGGGTTTTAAG- - CAGGTAATGACATGATCAGATTTGCAATTT- ACAGAGGTCATCCAGC								88294
Cat	TAGTCTGA- - - - - CCCTAAGGATTTTAAAG- - CAGGTAATAACAT- - - GAGATTTGCAATTT- ATAGAGGTCATCCAGC								84470
Ferret	TAGTGTGA- - - - - CCTTAAGGATTTTAAAG- - CAGGTAATGACAT- - - CAGATTTGTAATTT- ATAGAGTTCATCTAGC								85979
Lion	TAGTCTGA- - - - - CCCTAAGGATTTTAAAG- - CAGGTAATAACAT- - - GAGATTTGCAATTT- ATAGAGGTCATCCAGC								82179
Vaquita	AAGTTTAGACTTTTATCCCTAAGGGTTTTAAG- - CAGGTAGTGACAT- - - AGATTTGTA- TAGAATGGATTG- - - - -								80894
Pig	AAGTTTAGACTTTTATCCATAAGAGTTTTAAG- - CAGATAGCGACTTGGTCAGATTTGTAATTTTACAGAGGTCCTTCTGGC								79952

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Majority	GTATCATAGGACTTGGCAATTAGGATATGGGGCAGAAGGGAGAAAAAGTT - - ACAGATGAGTACTAAGTTTCTTTCT- TG								
	113930	113940	113950	113960	113970	113980	113990	114000	
Human	CTATCACAAATATTTAGCAATTAGGATGTGTAAACAGAAGGGAGAAAAAGAGCTAGGGATGCTTATTAAGTTTCTTTCTTGT								91371
PolarBear	GTATTCTAGGACTTGGCA- - - GGTTGTGGGGCAGAAGGGGAAAAAGTT - - ACAGATGAGTACTAAGTTCCTTTCTGCA								49440
Cow	GTTACATAGGACTTGGTAATTAGGATATGGAGCAGAAGGGAGAAAAAGTT - - AAAGTTTCTA- - - - - AAGTTTCT- TG								85273
Dog	GTATCGTAGGACTTGGGAATTAGGTTATGGGGCAGAAGGGAGAAAAAGTTTATAGATAAGTACTAAGTTTATT- - - CA								79305
BelugaWhale	GTATGGTAGGACTTGGCAATTAGGATATAGATCAGCAGGGAGAAAATGTT - - ACAGATGAGTATTAAGTTTCTTTCT- TG								79868
Donkey	GAGTCATAGGACTTGGCAATTGGGATATGAGGCAGAAAGAAGAAGT - - ACAGATGAGTACTAAGTTTCTTTCTTGG								88524
Cat	TTATCGTGGGACTTGGCAGTTAGGTTATGGGGCAGGAGAGAGAAGTTGTT - - ACAGATGAGTACTAAGTTTCTTTCTGTG								84685
Ferret	GTATTCTAGGACTTGGCAATTAGGTTGTGGGGCAGAAGGGAGAAAAAGTT - - ATAGATGAGTACGAAGTTTCTTTCTGCA								86201
Lion	TTATCATAGGACTTGGCAGTTAGGTTATGGGGCAGGAGAGAGAAGTTGTT - - ACAGATGAGTACTAAGTTTCTTTCTGTG								82392
Vaquita	GTATGGTAGGACTTGGCAATTAGGATATAGATCAGCAGGGAGAAAATGTT - - GCAGATGAGTACTAAGTTTCTTTCT- TG								81095
Pig	GTATTATAGGACTTGGCAATTAGGATATGGAGCAGAAGCGAGCAAAGGTT - - ACAGATGAGT- - - - - TTCTTTCT- TG								80155

Majority	GCAACTAAXT- TATGATTTAT- - - CAGGATTGTCAAGGAAGAGAGAGATT CATAATCTGGATTTTCATTCTATGAAAGAA								
	114010	114020	114030	114040	114050	114060	114070	114080	
Human	GTAGCTCACTATACGATTTGTTAGCAGGATTGTTGAGGAAGATAGATATTCATAATCTGGATTTTCATTCTATGAAAGTA								91451
PolarBear	GCAACTAAGTGTATGACTTA- - - GCAGGATTGGCAAGGGAGAGATTGATT CATAATCAGGATTTTCATCCTATGAAAGAA								49517
Cow	GGCATT- - - - - - - - - - - TCAG- - - CAGGACTGTC- - - - - - - - - - - AAGAACTCAT- - TCTGGTTTTCATTCTATGAAAGAA								85330
Dog	GCAACTAAGTTTATGATTTAT- - - CAGGATTGGCAAGGAAGAGAGAGATT CATAATCAGGATTTACATTTTATGAAAGAA								79382
BelugaWhale	GGCATT- - - - - - - - - - - TAG- - - CAGGACTGTCAAGGAAGAGAGAGACTCACATTTTGGATTTTCGTTCTATAAAAGAA								79933
Donkey	GCATCTAAGTATATGATTTATCAACAGGATTGTCAAAAAAGAGAGATATTTATAATCTGGATTTTCATTCTATGGGAGAA								88604
Cat	GCATCTA- - - - - - - - - - - TGATTTAT- - - CAGGATTGACAAGGAAGAGA- AGATTCATAATGAGGATTTGCATTCTGTGAAAGAG								84755
Ferret	GCAACTAAGTATATGACTTATCAGCAGGATTGGCAAGGAAGAGAGAGATT CATAATCAGGATTTTCATCCTATGACAGAA								86281
Lion	GCATCTAAGTATATGATTTAT- - - CAGGATTGGCAAGGAAGAGA- AGATTCATAATGAGGATTTTCATTCTGTGAAAGAG								82468
Vaquita	GGCATT- - - - - - - - - - - TAG- - - CAGGACTGTCAAGGAAGAGGGAGACTCACATTTTGGATTTTCGTTCTATAAAAGAA								81160
Pig	GGCATT- - - - - - - - - - - TCGT- - - CAGGACTGTCTAGGAAGAGAGAAATTCATA- TCTAGATTTTCATTCTGTGGAAGAA								80221

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Majority	114250	114260	114270	114280	114290	114300	114310	114320
Human								91543
PolarBear								49605
Cow								85414
Dog								79464
BelugaWhale								80017
Donkey								88685
Cat	GTGATCTCACGGTTCGTGAGTCCCAGCCCCTCACTGTCAGCATGCAGCCAGCCTCTCTTTGCCCTCACCTTTTCATGTT							84987
Ferret								86371
Lion	GTGATCTCACGGTTCGTGAGTCTCAGCCCCTCACTGTCAGCATGGAGCCAGCCTCTCTTTGCCCTCGCC-TTTCATGTT							82698
Vaquita								81244
Pig								80297

Majority	114330	114340	114350	114360	114370	114380	114390	114400
						TAAAATCATAG- AAT- - TCAGTTATTTTC		
Human						TAAAATCATAAGAAAATTCAAATTTTTTA		91571
PolarBear					A- - -	AAAATCATAG- AAT- - TTGGTTATTTTC		49630
Cow						TAAAACCATAGCAAAA- TTAGGTATTTTC		85441
Dog					A- - -	AAAATCATAG- AAT- - TCAGTTATTTT		79489
BelugaWhale						TAAAATCATAACAGAATTCAGATATTTTC		80045
Donkey						TAAAATCATAAGAGAATTCAGAT- TTTG		88712
Cat	CTCGCTCAACATAAATAAGCTTAACCAAAAAAAAAAAAAAAAAAATT- ATTTAAAAATCATGG- AAT- - TCAGTTATTTTC							85063
Ferret					A- - -	AAAATCATAG- AAT- - TCAGTTATTTTC		86396
Lion	CTCTCTCAACATAAATAAGCTTAACCAAAAAAAAAAAAAAAAAAGATTTATTTAAAAATCATAT- AAT- - TCAGTTATTTTC							82775
Vaquita						TAAAATCATAACAGAATTCAGATATTTTC		81272
Pig						TAAAATCATAGCAAT- - TCAGGTATTTTC		80323

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Majority	AGCTATTCTAAAAGA- - - - AATTATTTTTGCTTTGAACTTTG- - AATATTGTTTTTAATAGGCAT- - - TTCTTTCTTT								
	114410	114420	114430	114440	114450	114460	114470	114480	
Human	AACTGTTACGTTAAAAG- - - AATTATGTTTGTGTTGAGCTTTG- - ATATTGTTTGTTAATAGACAT- - - GCTTTCTTT								91641
PolarBear	TGTTCTAAAAGAAGA- - - - ATTTTTTTTGCTTTGGACTTTGTTAATACTGTTTTTAATAGGCAT- - - TTTT- CTTT								49700
Cow	AACTATTCTAAGAATTATTGTAATATTTTTGCTTTGGATGTTG- - A- TATTGTTTATTAATAGGCAT- - - T- CTTCTCT								85514
Dog	AACTATTCTA- - AAA- - - - - A- TTATTTTGTCTTTGAACTGTGTTAATA- - TTTTTTAATAGGCAT- - - TTTTTCTTT								79555
BelugaWhale	AGCTTATCTAAAA- TGA- - GAATTATTTTTGCTTTGAACCTTG- - A- TACTGTTTTTAATAGGCAT- - - C- CTTCCCCT								80115
Donkey	AACTATTCTAAAATATG- - - AATTACTTTTGTCTTTGAACTTTGTTAATGTTG- TTTTAATAGGCAT- - - TCTTTCTTT								88784
Cat	AGCTATTCCAAAAGAAG- - - AATTCTTTTTGTTTTGAACTTTGTTAATATTGTTTTTAATAGGCATATTTTTTTCTTT								85140
Ferret	TGCTATTCTA- AAGA- - - - - ATTCTTTTTGCTTTTGGACTT- - - - - TGTTTTTAATAAGCAT- - - TTTT- CTTT								86457
Lion	GGCTATTCCAAAAGA- - - - - ATTCTTTTTGTTTTGAACTTTGTTAATATTGTTTTTAATAGGCAT- TTTTTTTTCGTT								82848
Vaquita	AGCTTATCTAAAA- TGA- - GAATTATTTTTGCTTTGAACCTTG- - A- TACTGTCTTTTAATAGGCAT- - - T- CTTCCCCT								81342
Pig	AGCTCCTCTAAAA- - - - - TAATATTTTTGCTTTAAACCTTG- - A- CTTT- - TTAA- AATAAGCAT- - - T- CTTTTTCT								80386

Majority	TTATAGCCATGAACCATCTTAATGGACAGAAAATGTATGGAAAAATTATTCGTGTTACTCTGTCTAAACATCAGACTGTA								
	114490	114500	114510	114520	114530	114540	114550	114560	
Human	TTATAGCCATGAATCATCTTAATGGACAGAAAATGTATGGAAAAATTATTCGTGTTACTCTGTCTAAACATCAGACTGTA								91721
PolarBear	TTACAGCCATGAACCATCTTAATGGACAGAAAATGTATGGCAAAATTATTCGTGTTACTCTGTCTAAACATCAGACTGTA								49780
Cow	TTATAGCCATGAATCATCTTAATGGACAGAAGATGTACGGAAAAATTATTCGTGTTACTCTGTCTAAACATCAGACTGTA								85594
Dog	TTACAGCCATGAACCATCTTAATGGACAGAAAATGTATGGTAAAATTATTCGTGTTACTCTGTCTAAACATCAGACGGTA								79635
BelugaWhale	TTATAGCCATGAATCATCTTAATGGACAGAAGATGTATGGAAAAATTATTCGTGTTACTCTGTCTAAACATCAGACTGTA								80195
Donkey	TTATAGCCATGAACCATCTTAATGGACAGAAGATGTATGGAAAAATTATACGTGTTACTTTATCTAAACATCAGACTGTA								88864
Cat	TTATAGCCATGAACCATCTTAATGGACAGAAAATGTATGGCAAAATTATTCGTGTTACTCTGTCTAAACATCAGACTGTA								85220
Ferret	TTACAGCCATGAACCATCTTAATGGACAGAAAATGTATGGCAAAATTATTCGTGTTACTCTGTCTAAACATCAGACTGTA								86537
Lion	TTATAGCCATGAACCATCTTAATGGACAGAAAATGTATGGCAAAATTATTCGTGTTACTCTGTCTAAACATCAGACTGTA								82928
Vaquita	TTATAGCCATGAATCATCTTAATGGACAGAAGATGTATGGAAAAATTATTCGTGTTACTCTGTCTAAACATCAGACTGTA								81422
Pig	TTATAGCCATGAATCATCTTAATGGACAGAAAATGTATGGAAAAATTATTCGTGTTACTCTGTCTAAACATCAGACTGTA								80466

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Majority	AGT- - - TTATTAA- - GGATATACATTTTAGGAATAAAATATAAAAATTATTATTAATCTT- - TACTCTTTTTTC- - CATC								
	114730	114740	114750	114760	114770	114780	114790	114800	
Human	AGT- - - GTATTGA- - -	GATACATTCTATTTT	GATAAAATATGAAATTT	ATTCTTAATCTT- -	CACTTTTTCTTC-	CCATT			91952
PolarBear	AGT- - - TTTTTAA- -	GGGTATACATTTTA	AAGAATAAAACATA	AAAATTTATCATT	AATCTTT- ACT	TTTTTTTTTCCC	CATC		50014
Cow	AGTAGTTTATTAA- -	GGATATACATTTT	AGGAATAAAATA	AAAAAATTTTT	AATAATGTTAT	TACTCTTTTTT	CCATC		85832
Dog	AGT- - - TTTCTAA- -	GGGTATACATTAT	AGAAATAAAACATA	AAAATTTATT	ATTAATCTT- - -	CTTTTTTTTC-	CATC		79863
BelugaWhale	AGTAGTTTATTAA- -	GGATATACATTTT	AGGAAGAAAATATA	AAACATTTTTT	TATTA- ATT	GTTACTCTTTTT	CT- - - - C		80427
Donkey	AGG- - - TTATTGA- -	GGATATGTGTTTT	AAGGATAAAATG	TAAAGTTTATT	ATTAATATT- -	TACTTTTTTTC-	CATC		89095
Cat	AGA- - - TTTTTAAAT	GGGTATACATTTT	AGAAATAAAATTT	GAAAATTATT	ATTAATCTT- - -	TACTTTTTTC-	CATC		85451
Ferret	AGT- - - TTTTTAA- -	GGGAGTACATTTT	AAGAGTAAACATA	AAAATGTATT	ATTAATCTTT- ACC	TTTTTTTTTC-	CATC		86769
Lion	AGA- - - TTTTTAAAT	GGGTATACATTTT	AGAAATAAAATTT	GAAAATTATT	ATTAATCTT- - -	TACTTTTTTC-	CATC		83159
Vaquita	AGTAGTTTATTAA- -	GGATATACATTTT	AGGAAGAAAATATA	AAACATTTTTT	TATTA- ATT	GTTACTCTTTTT	CT- - - - C		81654
Pig	GGT- - - TTATTAA- -	GGATATACATTTT	AGGACTAA- - - -	AAAAAATGTT	ATTTCATCTT- -	TACTCTTTCTTT-	CCGTC		80693

Majority	CAATTTTCCTAGTCCTTCAGTAGCAGAAGAGGATCTACGAACACTGTTTGCTAACACTGGGGGCACTGTGAAAGCATTTA								
	114810	114820	114830	114840	114850	114860	114870	114880	
Human	CAATTTTCCTAGT	CCATCAGTAGCAGA	AAGAGGATCTAC	GAACACTGTT	CGCTAACACT	GGGGGCACT	GTGAAAGCATT	TA	92032
PolarBear	CAATTTTCCTAGT	CCTTCAGTAGCAGA	AAGAGGATCTAC	GAACACTGTT	GCTAACACT	GGGGGCACT	GTGAAAGCATT	TA	50094
Cow	TAATTT- CCCAGT	CCTTCAGTAGCAGA	AAGAGATCTCC	GAACACTGTT	GCTAACACT	GGGGGCACT	GTGAAAGCATT	TA	85911
Dog	CAATTTTCCTAGT	CCTTCGGTAGCAGA	AAGAGGATCTAC	GAACACTGTT	GCTAACACT	GGGGGCACT	GTGAAAGCATT	TA	79943
BelugaWhale	TAATTTTCCCAGT	CCTTCAGTAGCAGA	AAGAGGATCTG	CGAACACTGTT	GCTAACACT	GGGGGCACT	GTGAAAGCATT	TA	80507
Donkey	CAATTTTCTAGT	CCTTCAGTAGCAGA	AAGAGGATCTAC	GAACACTGTT	GCTAACACT	GGGGGCACT	GTGAAAGCATT	TA	89175
Cat	CAATTTTCCTAGT	CCTTCAGTAGCAGA	AAGAGGATCTAC	GAACACTGTT	GCTAACACT	GGGGGCACT	GTGAAAGCATT	TA	85531
Ferret	CTGTTTTCTAGT	CCTTCAGTAGCAGA	AAGAGGATCTG	CGAACACTGTT	GCTAACACT	GGGGGCACT	GTGAAAGCATT	TA	86849
Lion	CAATTTTCTAGT	CCTTCAGTAGCAGA	AAGAGGATCTAC	GAACACTGTT	GCTAACACT	GGGGGCACT	GTGAAAGCATT	TA	83239
Vaquita	TAATTTTCCCAGT	CCTTCAGTAGCAGA	AAGAGGATCTAC	GAACACTGTT	GCTAACACT	GGGGGCACT	GTGAAAGCATT	TA	81734
Pig	TAATTTTCCCAGT	CCTTCAGTAGCAGA	AAGAGGATCTCC	GAAACGCTGTT	GCTAACACT	GGGGGCACT	GTGAAAGCATT	TA	80773

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Majority	AGTTTTTTCAGTAAGCAAGCTTT- CTTGTCTTTAAATTAGTGACTTGATAG- AAGTAAAAGTTTTCTTCA- AGTAGTTTT								
	114890	114900	114910	114920	114930	114940	114950	114960	
Human	AGTTTTTTCAGTAAGCAAGCTTC- CTTATCTTTAAATTAGTGACCT- - - - - GATAAAA- - - TTTTTA- AGTAGTTTT								92099
PolarBear	AGTTTTTTCAGTAAGCAAGCTTT- CTTGTCTTTAAATTAGTGACTTCATAGAAATTAAGTTGTCTTCATAGTAGTTTT								50173
Cow	AGTTTTTTCAGTAAGCAAGCTTT- CTTGTCTTTAAATTAGTGACTTGATAG- AAGTAAAAGTTTTCTCCA- AGTAGTT- -								85986
Dog	AGTTTTTTCAGTAAGCAAGCTTT- CTTGTCTCTAAATTAGTGACTTTG- - - - ACAAAAAGTTTTCTTCA- AGTAGTTTT								80016
BelugaWhale	AGTTTTTTCAGTAAGCAAGCTTT- CTTGTCTTTAAATTAGTGACTTGATAG- AAGTAAAAGTTTTCTTCA- AGTAGTTC-								80583
Donkey	AGTTTTTTCAGTAAGCAAGCTTTTCTTGTTTTTAAATTAGTAACTTGATAG- AAGTAAAAATTTTCTTCA- AGTAAATTT								89253
Cat	AGTTTTTTCAGTAAGCAAGCTTT- CTTATCTTTAAATTAGTGACTTGATAGAAGTTAAAAATTTTCTTCA- AGTAGTTTT								85609
Ferret	AGTTTTTTCAGTAAGCAAGCTTT- CTTGTCTTTAAATTAGTGACTTCATATAAGTTAAAACTGTCTTCATAGTAATTTT								86928
Lion	AATTTTTTCAGTAAGCAAGCTTT- CTTATCTTTAAATTAGTGACTTGATAGAAGTTAAAAGTTTTCTTCA- AGTAGTTTT								83317
Vaquita	AGTTTTTTCAGTAAGCAAGCTTT- CTTGTCTTTAAATTAGTGACTTGATAG- AAGTAAAAGTTTTCTTCA- AGTAGTTC-								81810
Pig	AGTTTTTTCAGTAAGCAAGCTTTTCTTGCTCTAAATTA- - G- - - - - AAGTCAAAGTTTTCTTAA- AGTAGTTTT								80840

Majority	TATT- - - - - CTTTTGTTTATAG- AAATTTTT- GATTCTGGAATGGGCAAAA- TTCAAGTATTTAA- - - GCCCT								
	114970	114980	114990	115000	115010	115020	115030	115040	
Human	TGTT- - - - - CTTTTGTTTATAG- AAATTTTT- GATTCCGGAATGGCCAAA- - TTCAAGTATTTAATAAGCCCT								92165
PolarBear	TATC- - - - - CTTTTGTTTATGG- AAATT- - - GATTCTGGAATGGGTAAAA- TTCAAGTATTTAA- - - GCCCT								50234
Cow	- - - - - GTTTTCATTTCTAG- ATATCTTTT GATCCTGAAATGAGCAAAA- T- - - - - ATTTAA- - - GCCAT								86041
Dog	TATC- - - - - TTTTTGTTTATG- - AAATT- - - AATTCTGGAATAGGTGAAA- - TTCAAGTATTTAA- - - GCACT								80075
BelugaWhale	- - - - - TTTTTGTTTCTAG- ACGTCTTT- GATTCTGGAATGGGCAAAA- TT- AAGTATTTAA- - - GCCCT								80641
Donkey	TTTTTTTATTTTATTTTTTATTGAAGTTTTT GATTCTGCAATGGGGAAAAATTTCAAGTATTTAA- - - GCCCT								89330
Cat	TATT- - - - - CTTTTGTTTATGG- AAATTTTT- GATTCTGTAGTGGGCAAAA- TTCAAGTATTTAA- - - GCCCT								85673
Ferret	TACC- - - - - CTTTATGTTTATGG- AAATT- - - GATTCTAGAATGGGTAAAA- TTCAAGTATGTAA- - - GCCCT								86989
Lion	TATT- - - - - CTTTTGTTTATGG- AAATTTTT- GATTCTGTAGTGGGCAAAA- TTCAAGTATTT- - - - - - - -								83374
Vaquita	- - - - - TTTTTGTTTCTAG- AAGTCTTT- GATTCTGGAATGGGCAAAA- TT- AAGTATTTAA- - - GCCCT								81868
Pig	TATG- - - - - ATTTTTGTTTATAG- ACATCTTT- GATTCTGGAATAGGCAGAAG- TT- AAATATTTAA- - - GCCCT								80903

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Majority	T C C T A A T T T T T A T G A A G T A T C T A A T T T C A T A A T T T T G T T T C A G A A G A G A T C A C A A A A T G G C T C T T C T T C A G A T G G C A A C A										
	115050	115060	115070	115080	115090	115100	115110	115120			
Human	T T C T A A T T T G T A T G A A G T G T C T A A T T T T A T A A T T T T G T T T C A G A A G A G A T C A C A A A A T G G C T C T T C T T C A G A T G G C A A C A										92245
PolarBear	T C C T A A T T T T T A T G A A G T A T C T G A T T T C A T A A T T T T G T T T C A G A A G A G A T C A C A A A A T G G C T C T T C T T C A G A T G G C A A C A										50314
Cow	T C - T G A T T T T T A T G A A G T A T C T A A T T T C A T A A T T T T G T T T C A G A A G A G A T C A C A A A A T G G C C T T C T T C A G A T G G C G A C A										86120
Dog	T C C T A A T T T T T A T G A A G T A T C T A A T T T C A T A A T T T T G T T T C A G A A G A G A T C A C A A A A T G G C T C T T C T T C A G A T G G C A A C A										80155
BelugaWhale	T C C T A A T T T T T A T G A A G T A T C T A A T T T C A T A A T T T T G T T T C A G A A G A G A T C A C A A A A T G G C T C T T C T T C A G A T G G C A A C A										80721
Donkey	T T C T A A C A T T T A T G A A G T A T C T A A T T T C A T A A T T T T G T T T C A G A A G A G A T C A C A A A A T G G C T C T T C T T C A G A T G G C A A C T										89410
Cat	T C C T A A T T T T T A T G A A G T A T C T A A T T T T A T A A T T T T G T T T C A G A A G A G A T C A C A A A A T G G C T C T T C T T C A G A T G G C A A C A										85753
Ferret	T C C T A A T T T T T A T G A A G T A T C T A A T T T C A T A A T T T T G T T T C A G A A G A G A T C A C A A A A T G G C T C T T C T T C A G A T G G C A A C A										87069
Lion	- - - - - T T T - T A T G A A G T A T C T A A T T T T A T A A T T T T G T T T C A G A A G A G A T C A C A A A A T G G C T C T T C T T C A G A T G G C A A C A										83447
Vaquita	T C C T A A T T T T T A T G A A G T A T C T A A T T T C A T A A T T T T G T T T C A G A A G A G A T C A C A A A A T G G C T C T T C T T C A G A T G G C A A C A										81948
Pig	T C C T A A T T T T T A T G A C A T A T C T A A T T T C A T A A T T T T G T T T C A G A A G A G A T C A C A A A A T G G C T C T C T T C A G A T G G C A A C A										80983

Majority	G T G G A A G A A G C T A T C C A G G C C T T G A T T G A T C T T C A T A A T T A T A A C C T T G G T G A A A A C C A T C A T C T G A G A G T G T C T T T C T C										
	115130	115140	115150	115160	115170	115180	115190	115200			
Human	G T G G A A G A A G C T A T T C A G G C C T T G A T T G A T C T T C A T A A T T A T A A C C T T G G A G A A A A C C A T C A T C T G A G A G T G T C T T T C T C										92325
PolarBear	G T G G A A G A A G C T A T C C A G G C C T T G A T T G A T C T T C A T A A T T A C A A C C T T G G T G A A A A C C A T C A T C T G A G A G T G T C T T T C T C										50394
Cow	G T G G A A G A A G C T A T T C A G G C C T T G A T T G A T C T T C A T A A T T A T A A C C T T G G T G A A A A C C A T C A T C T G A G A G T G T C T T T C T C										86200
Dog	G T G G A A G A A G C T A T C C A G G C C T T G A T T G A T C T T C A T A A T T A C A A C C T T G G T G A A A A C C A T C A T C T G A G A G T G T C T T T C T C										80235
BelugaWhale	G T G G A A G A A G C T A T T C A G G C C T T G A T T G A T C T T C A T A A T T A T A A C C T T G G T G A A A A C C A T C A T C T G A G A G T G T C T T T C T C										80801
Donkey	G T G G A A G A A G C T A T C C A G G C C T T G A T T G A T C T T C A T A A T T A T A A C C T T G G T G A A A A C C A T C A T C T G A G A G T G T C T T T C T C										89490
Cat	G T G G A A G A A G C T A T C C A G G C C T T G A T T G A T C T T C A T A A T T A T A A C C T T G G T G A A A A C C A T C A T C T G A G A G T G T C T T T C T C										85833
Ferret	G T G G A A G A A G C T A T C C A G G C C T T G A T T G A T C T T C A T A A T T A C A A C C T T G G T G A A A A C C A T C A T C T G A G A G T G T C T T T C T C										87149
Lion	G T G G A A G A A G C T A T C C A G G C C T T G A T T G A T C T T C A T A A T T A T A A C C T T G G T G A A A A C C A T C A T C T G A G A G T G T C T T T C T C										83527
Vaquita	G T G G A A G A A G C T A T T C A G G C C T T G A T T G A T C T T C A T A A T T A T A A C C T T G G T G A A A A C C A T C A T C T G A G A G T G T C T T T C T C										82028
Pig	G T G G A A G A A G C C A T C C A G G C C T T G A T T G A T C T G C A T A A T T A T A A C C T T G G T G A A A A C C A T C A T C T G A G A G T G T C T T T C T C										81063

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Majority	ATTCCTTGGTTATAAAA- T GAAATGGCATATGTAAAGGCAGAGTTGTTAACTGCTXTATTTTCATCTGTTCTATAGGGAAG								
	115370	115380	115390	115400	115410	115420	115430	115440	
Human	ATTCCTTGGTTATAAAA- T GAAATGGCATATGTAAAGGCAGAGTTGTTAACTGCTATATTTTCATCTGTTCTATAGGGAAG								92561
PolarBear	ATTCCTTGGTTATAAAA- T GAAATGGCATAACATAAAGGCAGAGTTGTTAACTGCTGTATTTTCATCTGTTCTATTGGGAGG								50619
Cow	ATTCCTTGGTTATAAAA- T GAAATGGCGTATGTAAAGGCAGAGTTATTAAGTCTCTTTTCATCTGTTCTGTAGGGAAG								86422
Dog	ATTCCTTGGTTATAAAA- T GAAATGGCATAACATAAAGGCAGAGTTGTTAACTGCTGTATTTTCATCTGTTCTATAGGTAGG								80464
BelugaWhale	ATTCCTTGGTTATAAAA- T GAAATGGCATATGTAAAGGCAGAGTTATTAAGTCTCTTTTTTCATCTGTTCTGTAGAGAAG								81032
Donkey	ATTCCTTGGTTATAAAA- T GAAATGGCATATGTAAAGGCAGAGTTATTAAGTCTATATTTTCATCTGTTCTATAGGGAAG								89710
Cat	ATTCCTTGGTTATAAAA- T GAAATGGCATAACATAAAGGCAGAGT- GTTAACTGCTATATTTTCATCTGTTCTATAGGGAAG								86056
Ferret	ATTCCTTGGTTATAAAAAATGAAATGGCATAACGTAAAGGCAGAGTTGTTAACTGCTGTATTTTCATCTGTTCTATAGGGAGG								87375
Lion	ATTCCTTGGTTATAAAA- T GAAATGGCATAACATAAAGGCAGAGT- GTTAACTGCTATATTTTCATCTGTTCTATAGGGAAG								83751
Vaquita	ATTCCTTGGTTATAAAA- T GAAATGGCATATGTAAAGGCAGAGTTATTAAGTCTCCTTTTCATCTGTTCTGTAGAGAAG								82260
Pig	ATTCCTTGGTTATAAGA- TGAAGTGGCATATGTAAAGGTAGGGTATTAAGTCTATTTTCATCTGTTCTGTAGGGAAG								81291

Majority	CCATTTTTATTGTCTGTTTAAAATTTTAGTTTA- - - - - ATTTTACTTTCTTTTT- - - - - CAACTTAGTTGACA								
	115450	115460	115470	115480	115490	115500	115510	115520	
Human	CCATT- TT- - - GTCTGTTTAAAATTTTAGTTTA- - - - - ATTTTACTTTCTTTTT- - - - - CAACTTAGTTGACA								92637
PolarBear	CCATTTTTATTGTCTGTTTATAATTTTAGTTTA- - - - - ATTATACTTTCTTTTT- - - - - CAACTTAGTTGACA								50683
Cow	CCATTTTT- - - GTCTGTTTAAAATTTTAGTTGA- - - - - ATTTTACTTTCTTTTT- - - - - CAACTTAGTTGACA								86483
Dog	CCATTTTTATTGTCTGTTTATAATTTTAGTTTA- - - - - ATTATACTTTCTTTTT- - - - - CAACTTAGTTGACA								80528
BelugaWhale	CCATTTTTATTGTCTGTTTAAAATTTTAATT- - - - - TTACTTTCTTTTT- - - - - CAACTTAGTTGACA								81091
Donkey	CCATTTTTATTGTCTGTTTAAAATTTAAGTTTA- - - - - ATTTTACTTTCTTTTT- - - - - CAACTTAGTTGACA								89774
Cat	CCATTATTTTTGTCTGTTTAAAATTTTAGTTTA- - - - - ATTATACTTTCTTTTT- - - - - CAACTTAGTTGACA								86120
Ferret	CCATTTTTATTGTCTGTTTATGATTTTAGTTTATAGTTTAAATTATACTTTCTTTTT- - - - - CAACTTAGTTGACA								87446
Lion	CCATTTTTATTGTCTGTTTAAAATTTTAGTTTA- - - - - ATTATACTTTCTTTTT- - - - - CAACTTAGTTGACA								83815
Vaquita	CCATTTTTATTGTCTGTTTAAAATTTTAATT- - - - - TTACTTTCTTTTT- - - - - CAACTTAGTTGACA								82319
Pig	CCATTTTTATTGTCTGTTGAGAATTTTAGTT- A- - - - - ATTTTACTTTCTTTTT- - - - - CAACTTAGTTGACA								81354

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Majority	TA- CGTGCCTTAAAAAGGAAAAGTGTGCTATTGTGCATTTACTAGAAAAAGGAATTGGTTGTCTAGGGCACATTG										
	115530	115540	115550	115560	115570	115580	115590	115600			
Human	TA- CGTGCCTTAAAAAGGAAAAGTGTGCTATTGTGCATTTACTAGAAAAAGGAATTGGTTGTTTAGGGCACACTG										92716
PolarBear	TA- CGTGCCTTAAAAAGGAAAAGTGTGCTATTGTGCATTTACTAGGAAAAAGGAATTGGTTGTCTAGGGCACATTG										50762
Cow	TA- CGTGCCTTAAAAAGGAAA- CTAGTGTGCTATTGTGCATTTACTAGAAAAAGGAATTGGTTGTCTAGGGCACATTG										86561
Dog	TA- CGTGCCTTAAAAAGGAAAAGTGTGCTATTGTGCATTTACTAGGTAAAAGGAATTGGTTGTCTAGGGCACATTG										80607
BelugaWhale	TA- CGTGCCTTAAAAAGGAAAAGTGTGCTATTGTGCATTTGCTAGAAGAAAGGAATTGGTTGTCTAGGGCACATTG										81170
Donkey	TAACGTGCCTTAAAAAGGAAAAGTGTGCTATTGTGCATTTACTAGAAAAAGGAATTGGTTTTCTAGGGCACATTG										89854
Cat	TA- CGTGCCTTAAAAAGGAAAAGTGTGCTATTGTGCATTTACTAGGAAAAAGGAATTGGTTGTCTAGGGCACATTG										86199
Ferret	TA- CGTGCCTTAAAAAGGAAAAGTGTGCTATTGTGCATTTACTAGGAAAAAGGAATTGGTTGTCTAGGGCACATTG										87525
Lion	TA- CGTGCCTTAAAAAGGAAAAGTGTGCTATTGTGCATTTACTAGGAAAAAGGAATTGGTTGTCTAGGGCACATTG										83894
Vaquita	TA- CGTGCCTTAAAAAGGAAAAGTGTGCTATTGTGCATTTGCTAGA- GAAAGGAATTGGTTGTCTAGGGCACATTG										82397
Pig	TA- CGTGCCTTACAAAGGAAAAGTGTGCTATTGTGCATTTACTAGAAAAAGGAATTGGTTGTCTAGGGCACACTG										81433

Majority	TTATATGGGAATTA- CAATATGTTTAGGCAGGGGTGTGTA AAAAGG- TTAAGTTTTTGTTC- TCCTGCTTGGA ACTTAT										
	115610	115620	115630	115640	115650	115660	115670	115680			
Human	TTATATGGGAATTA- AAATATGTTTAGGCAGGGGTGTGTA AAAAGG- TTAAGTTTTTGTTC- TCCTGCTTGGA ACTTAT										92793
PolarBear	TTATATGGGAATTA- CAATATGTTTAGGCAGGGGTGTGTA AAAAGG- TTAAGTTTTTGTTC- TCCTGCTTGGA ACTTAT										50839
Cow	TTAAATGGGAATTAACAATATGTTTAGGCAGGGGTGTGTA AAAAGG- TTAAGTTTTTTTTTCTCCTGCTTGGA ACTTAT										86640
Dog	TTATATGGGAATTA- CAATATGTTTAGGCAGGGGTGTGTA AAAAGG- TTAAGTTTTTGTTC- TCCTGCTTGGA ACTTAT										80684
BelugaWhale	TTAAACGGGAATTAACAATATGTTTAGGCAGGGGTGTGTA AAAAGGTTAAGTTTTTGTTC- TCCTGCTTGGA ACTTAT										81249
Donkey	TTATATGGGAATTA- TAATATGTTTAGGCAGGGGTGTGTA AAAAGG- TTAAGTTTTTGTTC- TCCTGCTTGGA ACTTAT										89931
Cat	TTATATGGGAATTA- CCATATGTTTAGGCAGGGGTGTGTA AAAAGG- TTAAGTTTTTGTTC- TCCTGCTTGGA ACTTAT										86276
Ferret	TTATATGGGAATTA- CAATATGTTTAGGCAGGGGTGTGTA AAAAGG- TTAAGTTTTTGTTC- TCCTGCTTGGA ACTTAT										87602
Lion	TTACATGGGAATTA- CCATATGTTTAGGCAGGGGTGTGTA AAAAGG- TTAAGTTTTTGTTC- TCCTGCTTGGA ACTTAT										83971
Vaquita	TTAAATGGGAGTTAACAATATGTTTAGGCAGGGGTGTGTA AAAAGGTTAAGTTTTTGTTC- TCCTGCTTGGA ACTTAT										82476
Pig	TTAAATGGAGATTA- CAATATGTTTAGGCAGGGGTGTGTA AAAAGG- TTAAGTTTTTGTTC- TCCTGCTTGGA ACTTAT										81510

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Majority	TTTGAATTATTGGCTTGT CACATTTCTTTCTATTTAATCAAATAAGATACATGATACTGAAAGAAT- AAAGCAGCATTTT								
	115690	115700	115710	115720	115730	115740	115750	115760	
Human	TTTGAATTACTGGCTTGT CACCTTTTTTTCTATTTAATCAAATAAGATACATGATATTGAAAGAAT- AAAGCAGCATTTT								92872
PolarBear	TTTGAATTATTGGCTTGT CACATTTCTTTCTATTTAATCAAATAAGATACATGATACTGAAAGAATTAAGCAGCATATT								50919
Cow	TTTGAATTATCGGCTTGT CATATTTTTTT - - ATTTAATCAAATAAGATACATGATACGGAAAGAAT- AAAGCAGCTTTTT								86717
Dog	TTTGAATTATTGGCTTGT CACATTTCTTTCTATTTAATCAAATAAGATACATGATACTGAAAGAATTAAGCAGCATTTT								80764
BelugaWhale	TTTGAATTATTGGCTTGT CACATTTCTTTCTATTTAATCAAATAAGATACATGATACTGAAAGAAT- AAAGCAGCATTTT								81328
Donkey	TTTGAATTATTGGCTTGT CACATTTCTTTCTATTTAGTCAA- - - GATACATGATATTGAAAGAAT- AAAGCAGCATTTT								90007
Cat	TTTGAATTATTGGCTTGT CACATTTCTTTCTATTTACTCAAATAAGATACATGATACTGAGAGAATTAAGCAGCATTTT								86356
Ferret	TTTGAATTATTGACTTGT CACATTTCTTTCTATTTAATCAAATAAGATACATGATACTGAAAGAATTAAGCAGCATTTT								87682
Lion	TTTGAATTATTGGCTTGT CACATTTCTTTCTATTTACTCAAATAAGATACATGATACTGAGAGAATTAAGCAGCATTTT								84051
Vaquita	TTTGAATTATTGGCTTGT CACATTTCTTTCTATTTAATCAAATAAGATACATGATACTGAAAGAAT- AAAGCAGCATTTT								82555
Pig	TTTGAATTATTGGCTTGT CACATTTCTTTCTATTTAATCAAATAGGATACATGATA- - - - AAGAAT- AAAGCAGCATTTT								81585

Majority	TT- - - - - - - - - - AGTTTTACTACCTTAGGCTTTATTGCTTTAAAAAAA- CATTGGCCTTTTGTATCTCACAATTCTGG								
	115770	115780	115790	115800	115810	115820	115830	115840	
Human	T- - - - - - - - - - AGTTTTACTACCTTAGGCTTTATTGCTTTGAAAACAACATTGGCCTTTTGTATCTCACAATTCTGG								92940
PolarBear	TT- - - - - - - - - - AGTTTTACTACCTTAGGCTTTATTGCTTTAAAAAAA- CATTGGCCTTTTGTATCTCACAATTCTGG								50987
Cow	TTTTTTTTTTTCCAGTTTCTACTACCTTAGGCTTTATTGCTTTAAAAAAAACATTGGCCTTTTGTATCTCACAATTCTGG								86797
Dog	TT- - - - - - - - - - AGTTTTACTACCTTAGGCTTTATTGCTTTAAAAAAA- CATTGGCCTTTTGTATCTCACAATTCTGG								80832
BelugaWhale	TTT- - - - - - - - - - AGTTTTACTACCTTAGGCTTTATTGCTTTAAAAAAAACATTGGCCTTTTGTATCTCACAATTCTGG								81398
Donkey	TT- - - - - - - - - - AGTTT- TACTACCTTAGGCTTTATTGCTTTAAAAAAA- CATTGGCCTTTTGTATCTCACAAT- CTGG								90073
Cat	TT- - - - - - - - - - AGTTTTACTACCTTAGGCTTTATTGCTTTAAAAAAA- CATTGGCCTTTTGTATCTCACAATTCTGG								86424
Ferret	TTTT- - - - - - - - - - AGTTTTACTACCTTAGGCTTTATTGCTTTAAAAAAA- CATTGGCCTTTTGTATCTCACAATTCTGG								87752
Lion	TT- - - - - - - - - - AGTTTTACTACCTTAGGCTTTATTGCTTTAAAAAAA- CATTGGCCTTTTGTATCTCACAATTCTGG								84119
Vaquita	TTT- - - - - - - - - - AGTTTTACTACCTTAGGCTTTATTGCTTTAAAAAAAACATTGGCCTTTTGTATCTCACAATTCTGG								82625
Pig	T- - - - - - - - - - AGTTTTACTACCTTAGACTTTATTGCTTTAAAAAAA- CATTGGCCTTTTGTATCTCACAATTCTGG								81652

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Majority	TCTAGATTCAGTTATGAATGTAGGCATTAGTTAXXX	
	115850 115860 115870 115880 115890 115900 115910 115920	
Human	TCTAGATTCAGTTATGAATGTAGGCATTAGTTAAAATTAACAAGATGCAGAGTATTAATTTCTTAAGACAACAAAGTGAT	93020
PolarBear	TCTAGATTCAGTTATGAATGTAGGCATTAGTTAAAATTAACAAGATGCAGAGTATTAATTTCTTAAGACAACAAAGTGAT	51067
Cow	TCTAGATTCAGTTATGAAT	86816
Dog	TCTAGATTCAGTTATGAATGTAGGCATTAGTTAAAATTAACAAGATGCAGAGTATTAATTTCTTAAGACAACAAAGTGAT	80912
BelugaWhale	TCTAGATTCAGTTATGAAT	81417
Donkey	TCTAGATTCAGTTATGAATGTAGGCATTAGTTA	90106
Cat	TCTAGATTCAGTTATGAATGTAGGC	86449
Ferret	TCTAGATTCAGTT	87765
Lion	TCTAGATTCAGTTATGAATGTAGG	84143
Vaquita	TCTAGATTCAGTTATGAATGTAGGCATTAGTTAAAATTAACAAGATGCAGAGTATTAATTTCTTAAGACAACAAAGTGAT	82705
Pig	TCTAGATTCAGTTATGAATGTAGGCATTAGTTAAAATTAACAAGATGCAGAGTATTAATTTCTTAAGACAACGAAGTGAT	81732

Majority	XX	
	115930 115940 115950 115960 115970 115980 115990 116000	
Human	TTCTGTAAGTTTGAGCCCTATGTGGAAAGCATTGTGGAATCTTAACCTTTTCGTACACACTCTTGTGGGACGTATCAT- A	93099
PolarBear	TTCTGTAAGTTTGAGCCCTATGTGGAAAGCATTGTGGAATCTTAACCTTTTGTACACACTCTTGTGGGACGTATCAT- A	51146
Cow		86816
Dog	TTCTGTAAGTTTGAGCCCTACGTGGAAAGCATTGTGGAATCTTAACCTTTTGTACACACTCTTGTGGGACGTATCAT- A	80991
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita	TTCTGTAAGTTTGAGCCCTATGTGGAAAGCATTGTGGAATCTTAACCTTTTGTACACACTCTTGTGGGACGTATCAT- A	82784
Pig	TTCTGTAAGTTTGAGCCCTATGTGGAAAGCATTGTGGAATCTTAACCTTTTGTACACACTCTTGTGGGACGTATCATT A	81812

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Majority	XX								
	116010	116020	116030	116040	116050	116060	116070	116080	
Human	TAAATGT CAGCACTAAGTAATGTCTTGTTTGTGGCTGAATATTTTTCGTAGATGTTTTTGAAGTTGACATGACTTACGTG								93179
PolarBear	TAAATGT CAGCACTAAGTAATGTCTTGTTTGTGGCTGAATATTTTTCGTAGATGTTTTTGAAGTTGACATGACTTACGTG								51226
Cow									86816
Dog	TAAATGT CAGCACTAAGTAATGTCTTGTTTGTGGCTGAATATTTTTCGTAGATGTTTTTGAAGTTGACATGACTTACGTG								81071
BelugaWhale									81417
Donkey									90106
Cat									86449
Ferret									87765
Lion									84143
Vaquita	TAAATGT CAGCACTAAGTAACGTCTTGTTTGTGGCTGAATATTTTTCGTAGATGTTTTTGAAGTTGACATGATTTATGTG								82864
Pig	TAAATGT CAGCACTAAGTAATGTCTTGTTTGTGGCTGAATATTTTTCGTAGATGTTTTTGAAGTTGACATGACTTATGTG								81892

Majority	XX								
	116090	116100	116110	116120	116130	116140	116150	116160	
Human	CATTTAAATATATATTGCCATCCTTAGTTTGTAAATTAAGATTTGGAATATGGTTGTGGATTTCTGAGCATGTGCAGACTG								93259
PolarBear	CATTTAAATATATATTGCCATCCTTAGTTTGTAAATTAAGATTTGGAATATGGTTGTGGATTTCTGAGCATGTGCAGACTG								51306
Cow									86816
Dog	CATTTAAATATATATTGCCATCCTTAGTTTGTAAATTAAGATTTGGAATATGGTTGTGGATTTCTGAGCATGTGCAGACTG								81151
BelugaWhale									81417
Donkey									90106
Cat									86449
Ferret									87765
Lion									84143
Vaquita	CATTTAAATATATATTGCCATCCTTAGTTTGTAAATTAAGATTTGGAATACGGTTGTGGATTTCTGAGCATGTGCAGACTG								82944
Pig	CATTTAAATATATATTGCCATCCTTAGTTTGTAAATTAAGATTTGGAATATGGTTGTGGATTTCTGAGCATGTGCAGACTG								81972

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Majority	XX								
	116170	116180	116190	116200	116210	116220	116230	116240	
Human	GTCTAGCTAGTT CAGGAACTGGTGCATGTATTTTTCAAAGATAAA- GAAAGTGTACTGCGAAAATATGCAGGAAGATTAA								93338
PolarBear	GTCTAGCTAGTT CAGGAACTGGTGCATGTATTTTTCAAAGATAAA- GAAAGTGTACTGCGAAAATTTGCAGGAAGATTAA								51385
Cow									86816
Dog	GTCTAGCTAGTT CAGGAACTGGTGCATGTATTTTTCAAAGATAAA- GAAAGTGTACTGCGAAAATTTGCAGGAAGATTAA								81230
BelugaWhale									81417
Donkey									90106
Cat									86449
Ferret									87765
Lion									84143
Vaquita	GTCTAGCTAGTT CAGGAACTGGTGCATGTATTTTTCAAAGATAAAAGAAAGTGTACTGCGAAAATTTGCAGGAAGGTTAA								83024
Pig	GTCTAGCTAGTT CAGGAACTGGTGCATGTATTTTTCAAAGATAAAAGAAAGTGTACTGCGAAAATTTGCAGGAAGATTAA								82052

Majority	XX								
	116250	116260	116270	116280	116290	116300	116310	116320	
Human	TTTTGTGGCAGTTTTCTAAAAC TGACAACCAGGTGGGACCAAAGTTTATGTGCCTTTAGTCTTAATTTACCTTGCATTGT								93418
PolarBear	TTTTGTGGCAGTTTTCTAAAAC TGACAACCAGGTGGGACCAAAGTTTATGTGCCTTTAGTCTTAATTTACCTTGCATTGT								51465
Cow									86816
Dog	TTTTGTGGCAGTTTTCTAAAAC TGACAACCAGGTGGGACCAAAGTTTATGTGCCTTTAGTCTTAATTTACCTTGCATTGT								81310
BelugaWhale									81417
Donkey									90106
Cat									86449
Ferret									87765
Lion									84143
Vaquita	TTTTGTGGCAGTTTTCTAAAAC TGACAACCAGGTGGGACCAAAGTTTATGTGCCTTTAGTCTTAATTTACCTTGCATTGT								83104
Pig	TTTTGTGGCAGTTTTCTAAAAC TGACAACCAGGTGGGACCAAAGTTTATGTGCCTTTAGTCTTAATTTACCTTGCATTGT								82132

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Majority	XX							
	116330	116340	116350	116360	116370	116380	116390	116400
Human	AATATTCAGTTTTAATAAATCTTCAAATATTTTGTATTTAGGAATAGATCTGAC- - - - - TTTAATAAAAACATGGCTC							93492
PolarBear	AATATTCAGTTTTAATAAATCTTCAAATATTTTGTATTTAGGAATAGATCTGAC- - - - - TTTAATAAAAACATGGCTC							51539
Cow								86816
Dog	AATATTCAGTTTTAATAAATCTTCAAATATTTTGTATTTAGGAATAGATCTGAC- - - - - TTTAATAAAAACATGGCTC							81384
BelugaWhale								81417
Donkey								90106
Cat								86449
Ferret								87765
Lion								84143
Vaquita	AATATTCAGTTTTAATAAATCTTCAAATATTTTGTATTTAGGAATAGATCTGACTTTGACTTTAATAAAAACATGGCTC							83184
Pig	AATATTCAGTTTTAATAAATCTTCAAATATTTTGTATTTAGGAATAGATCTGAC- - - - - TTTAATAAAAACATGGCTC							82206

Majority	XX							
	116410	116420	116430	116440	116450	116460	116470	116480
Human	AGAATCTACAGGTCAAATTAATTTGAACAGTTCTTGTCAATCCGAATTGTTGATTCTGTTTAAATGACCAATACTTTTTTG							93572
PolarBear	AGAATCTACAGGTCAAATTAATTTGAACAGTTCTTGTCAATCTGAATTGTTGATTCTGTTTAAATGACCAATACTTTTTTG							51619
Cow								86816
Dog	AGAATCTACAGGTCAAATTAATTTGAACAGTTCTTGTCAATCTGAATTGTTGATTCTGTTTAAATGACCAATACTTTTTTG							81464
BelugaWhale								81417
Donkey								90106
Cat								86449
Ferret								87765
Lion								84143
Vaquita	AGAATCTACAGGTCAAATTAATTTGAACAGTTCTTGTCAATCTGAATTGTTGATTCTGTTTAAATGACCAATACTTTTTTC							83264
Pig	AGAATCTACAGGTCAAATTAATTTGAACAGTTCTTGTCAATCTGAATTGTTGATTCTGTTTAAATGACCAATACTTTTTTG							82286

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Majority	XX								
	116490	116500	116510	116520	116530	116540	116550	116560	
Human	AAATTGATGTA CTTAGTTTCAAGATT CATAGATTCTGTTATCTATGTAGACAGAATGGTCATGTATATTTTCTATTAGTT								93652
PolarBear	AAATTGATGTA CTTAGTTTCAAGATT CATAGATTCTGTTATCTATGTAGACAGAATGGTCATGTATATTTTCTATTAGTT								51699
Cow									86816
Dog	AAATTGATGTA CTTAGTTTCAAGATT CATAGATTCTGTTATCTATGTAGACAGAATGGTCATGTATATTTTCTATTAGTT								81544
BelugaWhale									81417
Donkey									90106
Cat									86449
Ferret									87765
Lion									84143
Vaquita	AAATTGATGTA CTTAGTTTCAAGGTT CATAGATTCTGTTATCTATGTAGACAGAATGGTCATGTATATTTTCTATTAGTT								83344
Pig	AAATTGATGTA CTTAGTTTCAAGATT CATAGATTCTGTTATCTATGTAGACAGAATGGTCATGTATATTTTCTATTAGTT								82366

Majority	XX								
	116570	116580	116590	116600	116610	116620	116630	116640	
Human	GAGTTTTTACATCTTTAGAAATGTAAAATTCAGTATAGTTTGAAAGCGGCACAATTA AAAAATTAATTTTCTAACAAAGTT								93732
PolarBear	GAGTTTTTACATCTTTAGAAATGTAAAATTCAGTATAGTTTGAAAGTGGCACAATTA AAAAATTAATTTTCTAACAAAGTT								51779
Cow									86816
Dog	GAGTTTTTACATCTTTAGAAATGTAAAATTCAGTATAGTTTGAAAGCGGCACAATTA AAAAATTAATTTTCTAACAAAGTT								81624
BelugaWhale									81417
Donkey									90106
Cat									86449
Ferret									87765
Lion									84143
Vaquita	GAGTTTTTACATCTTTAGAAATGTAAAATTCAGTATAGTTTGAAAGCGGCACAATTA AAAAATTAATTTTCTAACAAAGTT								83424
Pig	GAGTTTTTACATCTTTAGAAATGTAAAATTCAGTATAGTTTGAAAGCGGCACAATTA AAAAATTAATTTTCTAACAAAGTT								82446

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Majority	XX								
	116650	116660	116670	116680	116690	116700	116710	116720	
Human	GGGAGGTTTGATGGTTGTTTAATTTCAATTTGTGTGTA CTCTGCTTACCCCTGTAGCATGCTCAATAAACACTTCTGTAG								93812
PolarBear	GGGAGGTTTGATGGTTGTTTAATTTCTTTTGTGTGTA CTCTGCTTACCTCTGTAGCATGCTCAATAAACACTTCTGTAG								51859
Cow									86816
Dog	GGGAGGTTTGATGGTTGTTTAATTTCTTTTGTGTGTA CTCTGCTTACCTCTGTAGCATGCTCAATAAACACTTCTGTAG								81704
BelugaWhale									81417
Donkey									90106
Cat									86449
Ferret									87765
Lion									84143
Vaquita	GGGAGGTTTGATGGTTGTTTAATTTCTTTTGTGTGTA CTCTGCTTACCTCTGTAGCATGCTCAATAAACACTTCTGTAG								83504
Pig	GGGAGGTTTGATGGTTGTTTAATTTCTTTTGTGTGTA CTCTGCTTACCTCTGTAGCATGCTCAATAAACACTTCTGTAG								82526

Majority	XX								
	116730	116740	116750	116760	116770	116780	116790	116800	
Human	CTCTATATTCACCTTTT- CTGTCTTTCTCTGCTGCCTTTTCTCTCTCCTCTTC- TTTGTTTTCACTCCACTGTGCTTCTG								93890
PolarBear	CTCTGTATTCACCTTTT- CTGTCTTTCTCTGCTGCCTTTTCTCTCTCCTCTTCTTTGTTTTCACTCCACTGTGCTTCTG								51938
Cow									86816
Dog	CTCTGTATTCACCTTTT- CTGTCTTTCTCTGCTGCCTTTTCTCTTTCCTCTTCTTTGTTTTCACTCCACTGTGCTTCTG								81783
BelugaWhale									81417
Donkey									90106
Cat									86449
Ferret									87765
Lion									84143
Vaquita	CTCTGTATTCACCTTTT- CTGTCTTTCTCTGCTGCCTTTTCTCTCTCTTC- - - TTTGTTTTCACTCCACTGTGCTTCTG								83579
Pig	CTCTGTATTCACCTTTTTCTGTCTTTCTCTGCTGCCTTTTCTCTCTTTCCTC- TTTGTTTTCACTCCACTGTGCTTCTG								82605

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Majority	XX							
	116810	116820	116830	116840	116850	116860	116870	116880
Human	AATTCATGTTTATTCTCTGCCAGGGTGGGAAAGGAGTAATAA- TATTACAATTCTATGGCTTTATACCATAAATAAATCT							93969
PolarBear	AATTCATGTTTATTCTCTGCCAGGGTGGGAAAGGAGTATTA- TATTACAATTCTATGGCTTTATACCATAAATAAATCT							52017
Cow								86816
Dog	AATTCATGTTTATTCTCTGCCAGGGTGGGAAAGGAGTAATAA- TATTATAATTCTATGGCTTTATACCATAAATAAATCT							81862
BelugaWhale								81417
Donkey								90106
Cat								86449
Ferret								87765
Lion								84143
Vaquita	AATTCATGTTTATTCTCTGCCAGGGTGGGAAAGGAATAATAA- TATTACAATTCTATGGCTTTATACCATAAATAAATCT							83658
Pig	AATTCATGTTTATTCTCTGCCAGGGTGGGAAAGGAATAATAAATTACAATTCTATGGCTTTATACCATAAATAAATCT							82685

Majority	XX							
	116890	116900	116910	116920	116930	116940	116950	116960
Human	AGATGCTGTGAAAATATACCAGCTGGTTTTTTTTTA- - ATTTAAA- - - - - AGATGGTAACTGCTTT							94027
PolarBear	AGATGCTATGAAAATATACCAGCTGGTTTTTTTTTTAATTTAAA- - - - - AGATAGCAACTGCTTT							52077
Cow								86816
Dog	AGATGCTGTGAAAATATACCAGCTGGTTTTTTTTT- AATTTAAA- - - - - AGATAGTAACTGCTTT							81921
BelugaWhale								81417
Donkey								90106
Cat								86449
Ferret								87765
Lion								84143
Vaquita	AGATGCTGTGAAAATATACCAGCTGGTTTTTTTTTTAATTTGAA- - - - - AGATGGTAACTGCTTT							83717
Pig	AGATGCTGTGAAAATATACCAGCTGTTTTTTTTTTTTGTTTTTTTTTGGTTTTTTTTTAATTTGAAAGATGGTAACTTT							82765

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Majority	XX								
	116970	116980	116990	117000	117010	117020	117030	117040	
Human	TCAGGAGGACACATATTA AACATTTCCACCCCTGTTATAAATCTACTGCTTTAAAGACATAACTTTTATTGTAGCTTGTTA							94107	
PolarBear	TCAGGAGGACACATATTA AACATTTCCACCCCTGTTA							52114	
Cow								86816	
Dog	TCAGGAGGACACATATTA AACATTTCCACCCCTGTTATAAATCTACTGCTTTAAAGACATAACTTTTATTGTATCTTGTTA							82001	
BelugaWhale								81417	
Donkey								90106	
Cat								86449	
Ferret								87765	
Lion								84143	
Vaquita	TCAGGAGGACACATATTA AACATTTCCACCCCTGTTATAAATCTACTGCTTTAAAGACATAACTTTTATTGTATCTTGTTA							83797	
Pig	TCAGGAGGACACATATTA AACATTTCCACCCCTGTTATAAATCTACTGCTTTACAGACATAACTCTTACTGTATCTTGTTA							82845	

Majority	XX								
	117050	117060	117070	117080	117090	117100	117110	117120	
Human	ATTCTATCTCTTTTGTCTTGTGTTTGTGTTTTTTTTTTTTTCCAGTAGATTTATGCACTAATAGATCTTTTGGATTTGCCATG							94187	
PolarBear								52114	
Cow								86816	
Dog	ATTCT- - - - - ATCTCTTTTGTGTTGTGTTTGTGTTTTTTTTTCCAGTAGATTTATGCACTAATAGATCTTTTGGATTTGCCATG							82075	
BelugaWhale								81417	
Donkey								90106	
Cat								86449	
Ferret								87765	
Lion								84143	
Vaquita	ATTCTTTCT- - ATCTCTTTTGTGTTGTGTTTGTGTTTTTTTTTCCAGTAGATTTATGCACTAATAGATCTTTTGGATTTGCCATG							83875	
Pig	ATTCTTTCT- - ATCTCTTTTGTGTTGTGTTTGTGTTTTTTTTTCCAGTAGATTTATGCACTAGTAGATCTTTTGGATTTGCCATG							82923	

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Majority	XX								
	117130	117140	117150	117160	117170	117180	117190	117200	
Human	CTCTCTTGCTGCAGTTTCATCTTTTCATCTTTTGTGTCTGCTAAAGATTTCTTACTAATCTTAGACTACCTTGTGAGTTAA								94267
PolarBear									52114
Cow									86816
Dog	CTCTCTTGCTGCAGTTTCATCTTTTCATCTTTTGTGTCTGCTAAAGATTTCTTACTAATCTTAGA- - - - -							TTAC	82143
BelugaWhale									81417
Donkey									90106
Cat									86449
Ferret									87765
Lion									84143
Vaquita	CTCTCTTGCTGCAGTTTCATCTTTTCATCTTTTGTGTCTGCTAAAGATTTCTTACTAATCTTAGA- - - - -							TTAA	83943
Pig	CTTTCTTGCTGCAGTTTCATCTTTTCATCTTTTGTGTCTGCTAAAGATTTCTTACTAATCTTAGA- - - - -							TTAA	82991

Majority	XX								
	117210	117220	117230	117240	117250	117260	117270	117280	
Human	CAAAAAGAACTTGATATTACTGGGAAGAAAGAGCAGCATATCTGCATATCAGCATATCTGCTTTTGCCTTGGGTGGGAAG								94347
PolarBear									52114
Cow									86816
Dog	CTTGCGATTTTTAAACAAAGGGTATTAGGTGTTATTG- - - - -							GGAAGAACTTTGTCTTGGGTGGGCAG	82206
BelugaWhale									81417
Donkey									90106
Cat									86449
Ferret									87765
Lion									84143
Vaquita	CAAAGGGTACTTGATGTTACTGGGAAGAAACAGTA- - - - -							TACCATCTGCTTTTGCCTTGGGTGGGAAG	84007
Pig	CAAAGGGTACTTGATGTTTGGGAAGAGGCAGTATCAT- - - - -							CCCATCTGCTTTTGCCTTGGGTGTAAG	83057

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Majority	XX								
	117290	117300	117310	117320	117330	117340	117350	117360	
Human	AATGATATACATTCAAGTATTTAAAAACTTAGAGTAATTTGCATTTAACAACTGAGGATGTTACTACTGTAAC TTGTTAA							94427	
PolarBear								52114	
Cow								86816	
Dog	AAGATACATTCAGGTAATTTGTGATGTTATAACTTCCACTTTTTTTTTTTTTTAAAGGAGTTCAGTTAGGGGGCTATTTG							82286	
BelugaWhale								81417	
Donkey								90106	
Cat								86449	
Ferret								87765	
Lion								84143	
Vaquita	GAAGATAC							84015	
Pig	GACGATACACATGCAGATACTGAAAAACCTAAGAGGTATTCGGTGAGGTTACGATTTTACTTTTTTAAAAGATTGCAAT							83137	

Majority	XX								
	117370	117380	117390	117400	117410	117420	117430	117440	
Human	GCAGTTACAATTAGGGTGCTATTTATATTCAAATATTTCCGGTCAGTTTTTCTAAACAGATATATTGGTATCAAATAACT							94507	
PolarBear								52114	
Cow								86816	
Dog	TGTTATTCATATTTTTGGTTA							82307	
BelugaWhale								81417	
Donkey								90106	
Cat								86449	
Ferret								87765	
Lion								84143	
Vaquita								84015	
Pig	TAGGATGTTCAATTTGTATTACTCAGAATATTTTTGGGGGATCACATTTTTTAAACAGGCATATTGGTATCAGATAACT							83217	

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Majority	XX
	<hr/>
	117450 117460 117470 117480 117490 117500 117510 117520
	<hr/>
Human	TTGGAGTTACACATGTTTCTTAGGTTTGTTCTGTTATAAAATATCCCACACTTATGCAAAACCTTACACATAGGATAATAA 94587
PolarBear	52114
Cow	86816
Dog	82307
BelugaWhale	81417
Donkey	90106
Cat	86449
Ferret	87765
Lion	84143
Vaquita	84015
Pig	CTGCAGTTATACATGTTCCCTAGGTTTGTTCTGTTACAAAATAACTGAA- - TTATGCAAAACCTCATAACATCAGGAAAAGT 83295

Majority	XX
	<hr/>
	117530 117540 117550 117560 117570 117580 117590 117600
	<hr/>
Human	AAAGTAAATGAAGGAACATAAAATATGTTTTACTATACTTAATGTAGTAATTCAGTTACCTCCAAGAAAGAAGAATATAA 94667
PolarBear	52114
Cow	86816
Dog	82307
BelugaWhale	81417
Donkey	90106
Cat	86449
Ferret	87765
Lion	84143
Vaquita	84015
Pig	AAAAAGAAAGGGAGTAAATAATACATTTAAGTGTATATTTAATGTATTAATATAATTTTTTTGGTTTTTTTTTTTTTTTT 83375

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Majority	XX	
		117610 117620 117630 117640 117650 117660 117670 117680
Human	T AAGTAAAATAATTTTGTTTACACTAGTGTCACTGTTGTCATCTGAAGAAGAACCATTAGAGTCAACAGTCTGGGATGAT	94747
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig	T TTTTTTTTTTTTTTTTTTGTCTTTTAGGGCCGCACCTGTGGCATAGGGAGGTTCAACCAGGTTAGGGGTCTAATTGGAGCT	83455

Majority	XX	
		117690 117700 117710 117720 117730 117740 117750 117760
Human	T TGG AAGCTAGGTGATCTGTGTTTTTTCTTAAAATAACATCGTAGCACAGAGGAACTCTACCAGCATCAGATAAGTCTA	94827
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig	GTGGCTGCCGGCCTG	83470

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Majority	XX	
	----- ----- ----- ----- ----- ----- -----	
	117770 117780 117790 117800 117810 117820 117830 117840	
Human	AAGTCTAAAAAACCAATACCAGGGTTAGTGAATAGTAATTGAACAAAGCTTCTCAAGGTGAAGTTTTTCTCAGTAATTAG	94907
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	----- ----- ----- ----- ----- -----	
	117850 117860 117870 117880 117890 117900 117910 117920	
Human	TGGTGGCTATAATATTTGAAAGTAGGTTCTGTACACCTTTTCAGGTGCTCATTGTGGGTGGGATTGCCTTGGGAAGGAGAA	94987
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----	
	117930 117940 117950 117960 117970 117980 117990 118000	
Human	ACTAAGTCCTGAGCTGTGTGTGGACTTAGTTTGTGCCAGTTGCTAAGCTGGTGGGAGTTCCCAGTCTCCCTAGTGGGA	95067
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----	
	118010 118020 118030 118040 118050 118060 118070 118080	
Human	GATAACCAGAAACCAGCTCTTCCTGCCTAAGGACTACAGCAGATTCTATACTGTCTTACAGTATGCCCTAATACGGCCTT	95147
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	118090 118100 118110 118120 118130 118140 118150 118160	
Human	CCTTCAAAGCACCAAGTCACTAAAGGGGGATTTTGACATTCTAGAATATTTTTAATTCAGTACATCAAATTAACCCAGG	95227
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	118170 118180 118190 118200 118210 118220 118230 118240	
Human	CCTTGGCATATAGTGAATTGCTTATTAAAAGTTAGGTAAAATAAAACAGCTTTGTCGTATATTAGTACTCTATGACTC	95307
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX
	118250 118260 118270 118280 118290 118300 118310 118320
Human	TTAGAGTGAACAAGCTAACAAAGTATTCTTAGGACTTAGCTGCTTTGTTAATAGAGGTCTTAAGTTGAATATTTAGAAATA 95387
PolarBear	52114
Cow	86816
Dog	82307
BelugaWhale	81417
Donkey	90106
Cat	86449
Ferret	87765
Lion	84143
Vaquita	84015
Pig	83470

Majority	XX
	118330 118340 118350 118360 118370 118380 118390 118400
Human	ATCAGAAAATTATTTTTTGGTATTGAAGATGTATTTTTGGAAATGGGTTTTAAAGTACCTACTTAAGGAAGAGATATCTA 95467
PolarBear	52114
Cow	86816
Dog	82307
BelugaWhale	81417
Donkey	90106
Cat	86449
Ferret	87765
Lion	84143
Vaquita	84015
Pig	83470

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Majority	XX								
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118410	118420	118430	118440	118450	118460	118470	118480		
Human	CAGTTTATATTTAACGTTAGCATTTGAAAGCAATGAAGAAAATTTTTCCTTAACCAGGAAGTGTAAATGAATCATTATATT 95547								
PolarBear	52114								
Cow	86816								
Dog	82307								
BelugaWhale	81417								
Donkey	90106								
Cat	86449								
Ferret	87765								
Lion	84143								
Vaquita	84015								
Pig	83470								

Majority	XX								
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118490	118500	118510	118520	118530	118540	118550	118560		
Human	AGAGATTAAATTAACACTTTTGAAGCATTTTAGCTCCTAGAGTTAAGGTTAGTATAGTGAAATTATGGTGATTAGCTTAA 95627								
PolarBear	52114								
Cow	86816								
Dog	82307								
BelugaWhale	81417								
Donkey	90106								
Cat	86449								
Ferret	87765								
Lion	84143								
Vaquita	84015								
Pig	83470								

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Majority	XX
	118570 118580 118590 118600 118610 118620 118630 118640
Human	TTCATT CATGTACATCTATTTGTATCACCATATAATTACTAGGGAAAGGACAAATCACTTTTCAAAGCCTCAATGTTATT 95707
PolarBear	52114
Cow	86816
Dog	82307
BelugaWhale	81417
Donkey	90106
Cat	86449
Ferret	87765
Lion	84143
Vaquita	84015
Pig	83470

Majority	XX
	118650 118660 118670 118680 118690 118700 118710 118720
Human	TGTAAAATGGAGGCAATAAGTTCTGCTCTGCTCCCCTCACAGGATTATTACAGAGGCTCAAATAGGATAAGTGAAGGAAT 95787
PolarBear	52114
Cow	86816
Dog	82307
BelugaWhale	81417
Donkey	90106
Cat	86449
Ferret	87765
Lion	84143
Vaquita	84015
Pig	83470

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Majority	XX	
	<div style="display: flex; justify-content: space-between;"> 118730 118740 118750 118760 118770 118780 118790 118800 </div>	
Human	GCTATGCAATTAGTTAACTAATGCCAGTTCACAGACTGCCAGATTTGCCACAGTAAACTTCATTATCCACAATACATGT	95867
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	<div style="display: flex; justify-content: space-between;"> 118810 118820 118830 118840 118850 118860 118870 118880 </div>	
Human	TATCCTAATATGTCTTTTTGCTACAAAGAAATACTAATGTTTTAAAATTATTTACTAGTTTCATAAAGCAGAAAGATGTA	95947
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX
	118890 118900 118910 118920 118930 118940 118950 118960
Human	AAATGCAGTTATAGAGAGCATCCCAAGCCAGATGAAAAGAAACCATGGATTTAGCTTTATATTTTCTGTTTGAACCTTGAT 96027
PolarBear	52114
Cow	86816
Dog	82307
BelugaWhale	81417
Donkey	90106
Cat	86449
Ferret	87765
Lion	84143
Vaquita	84015
Pig	83470

Majority	XX
	118970 118980 118990 119000 119010 119020 119030 119040
Human	AGCCAATCATAAAATGCACATATTTAATTATAGACTGCACTTAAGATTT CATATGTATAAAAAAGTTGCTGTGAAACAG 96107
PolarBear	52114
Cow	86816
Dog	82307
BelugaWhale	81417
Donkey	90106
Cat	86449
Ferret	87765
Lion	84143
Vaquita	84015
Pig	83470

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Majority	XX									
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119050	119060	119070	119080	119090	119100	119110	119120			
Human	GTAATTTTAACACTCAGGAATTTCAAGGCTAAGGAAGAAAGACATACTCTCATGAGCAGCTCTGAAGCTTCAAACAGGATT	96187								
PolarBear		52114								
Cow		86816								
Dog		82307								
BelugaWhale		81417								
Donkey		90106								
Cat		86449								
Ferret		87765								
Lion		84143								
Vaquita		84015								
Pig		83470								

Majority	XX									
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119130	119140	119150	119160	119170	119180	119190	119200			
Human	TTCTGGCTGCCTTAATATATTAAAATGGAGCCTAAATCTGAAAACGTTTTTTTCATT CAGAAGAAAGTACAGAATTCAGT	96267								
PolarBear		52114								
Cow		86816								
Dog		82307								
BelugaWhale		81417								
Donkey		90106								
Cat		86449								
Ferret		87765								
Lion		84143								
Vaquita		84015								
Pig		83470								

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Majority	XX	
	119210 119220 119230 119240 119250 119260 119270 119280	
Human	GAAATTGAGTATACTAGGAAATCTGATGGCAAGAATTCAGCAGAAAGTCTTAATTTTAAACCGTAATATTCATTGATTAT	96347
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	119290 119300 119310 119320 119330 119340 119350 119360	
Human	GCAAAACCTTAGTTTTATAGTTATTCTTTGTTATTTTGAATAGCTTCCCTTTAAATTTTCTAGTTTCAGATTTTGCAAAT	96427
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX
	119370 119380 119390 119400 119410 119420 119430 119440
Human	AAAAGTGTACATGTTAAAGTTATAGAGTATTAGATTATTCACATTAAGAAGTGTTCAAATACGCGGAAAAATAAAACCGT 96507
PolarBear	52114
Cow	86816
Dog	82307
BelugaWhale	81417
Donkey	90106
Cat	86449
Ferret	87765
Lion	84143
Vaquita	84015
Pig	83470

Majority	XX
	119450 119460 119470 119480 119490 119500 119510 119520
Human	AATGAACACCTATGCACTTCACTCAACTATATCACTACCTAACATATTCCATATTTTAAACGTAATTATATATTAGTTGA 96587
PolarBear	52114
Cow	86816
Dog	82307
BelugaWhale	81417
Donkey	90106
Cat	86449
Ferret	87765
Lion	84143
Vaquita	84015
Pig	83470

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Majority	XX	
		119530 119540 119550 119560 119570 119580 119590 119600
Human	AAGAAAACGTTACAGAATGAACTGAAATCCCATATGAACCTCTTTCTGATCTTAGTTCAAACCTTATTCTTTCCCAAGAG	96667
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
		119610 119620 119630 119640 119650 119660 119670 119680
Human	GTAATTGTTACCTTCAGTTTAGTATTTATTATTTCAGTGGTTGCTTTTCAAGAGGAATTTGTCCTATATTCTGTAGGCTA	96747
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX								
	119690	119700	119710	119720	119730	119740	119750	119760	
Human	AATTTCTTGTTTTGCCTAGTTATAAAAATGGCAAATAATATGATATTGGGTGTTTAAATAGTACAATATTGTTCAAACA							96827	
PolarBear								52114	
Cow								86816	
Dog								82307	
BelugaWhale								81417	
Donkey								90106	
Cat								86449	
Ferret								87765	
Lion								84143	
Vaquita								84015	
Pig								83470	

Majority	XX								
	119770	119780	119790	119800	119810	119820	119830	119840	
Human	CACTTTATAATTTTAAACAGACTGTTTGGACATTGATAATCCCCTATCAAATCTCATGACATTTAACCAATTTTAAACA							96907	
PolarBear								52114	
Cow								86816	
Dog								82307	
BelugaWhale								81417	
Donkey								90106	
Cat								86449	
Ferret								87765	
Lion								84143	
Vaquita								84015	
Pig								83470	

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                |           |           |           |           |           |           |
              119850     119860     119870     119880     119890     119900     119910     119920
Human      AGGATTTTAAATTGTGTTTAAAGAAATAAGTCATTTGGGCCTCAGGTTTCTCTTAAGGATGTAACAAGGAGCTATATCAT  96987
PolarBear                               52114
Cow                                             86816
Dog                                             82307
BelugaWhale                               81417
Donkey                                       90106
Cat                                           86449
Ferret                                       87765
Lion                                         84143
Vaquita                                    84015
Pig                                          83470
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
                |           |           |           |           |           |           |
              119930     119940     119950     119960     119970     119980     119990     120000
Human      TGGTATTTTAGACGCTGAATTATGTGTAAGGTCCTTAAATACAAACATACCCTTTGTAGCTTCACAGAGCCACCCGTTTT  97067
PolarBear                               52114
Cow                                             86816
Dog                                             82307
BelugaWhale                               81417
Donkey                                       90106
Cat                                           86449
Ferret                                       87765
Lion                                         84143
Vaquita                                    84015
Pig                                          83470
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Majority	XX									
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120010	120020	120030	120040	120050	120060	120070	120080			
Human	GCAC TTCTCTCGCTTTTCTTCCTCCCTCTTTGGCTCCCATTTCAATGGACAGAAAGACTATGTGGCATCTCTATTTTCAT	97147								
PolarBear		52114								
Cow		86816								
Dog		82307								
BelugaWhale		81417								
Donkey		90106								
Cat		86449								
Ferret		87765								
Lion		84143								
Vaquita		84015								
Pig		83470								

Majority	XX									
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120090	120100	120110	120120	120130	120140	120150	120160			
Human	TCACTTGGTTTATTGTCTTGGTATGTTGTATAGGTTTTGAATCAGAAAATTTAACATTTT TAGATATTTCAAACATAC	97227								
PolarBear		52114								
Cow		86816								
Dog		82307								
BelugaWhale		81417								
Donkey		90106								
Cat		86449								
Ferret		87765								
Lion		84143								
Vaquita		84015								
Pig		83470								

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Majority	XX								
	120170	120180	120190	120200	120210	120220	120230	120240	
Human	AAAAAATAGAAGAATATTTAACAAACCCTTGT CAGCTTCAGTTAGCAACTTAGATCTTCCTCGTTTCCTCCACCCAATTC								97307
PolarBear									52114
Cow									86816
Dog									82307
BelugaWhale									81417
Donkey									90106
Cat									86449
Ferret									87765
Lion									84143
Vaquita									84015
Pig									83470

Majority	XX								
	120250	120260	120270	120280	120290	120300	120310	120320	
Human	TCATCTCCTTTATTAATGCAGATCCCAGATATATTTTATCAAGAAATTTTGTAGCATATATTTGTGTTGTTTATTTCGTG							97387	
PolarBear								52114	
Cow								86816	
Dog								82307	
BelugaWhale								81417	
Donkey								90106	
Cat								86449	
Ferret								87765	
Lion								84143	
Vaquita								84015	
Pig								83470	

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Majority	XX	
		120330 120340 120350 120360 120370 120380 120390 120400
Human	GTCATAGTTGCTTTCTCTAATATCTAGACTAGCCTAGCTGGTCAATACTACTTTTCTTCAAATCCTAGAACCTCCCTATT	97467
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
		120410 120420 120430 120440 120450 120460 120470 120480
Human	AAAATATAGTCACCAGACCAGTGGCAAATTAGTATCACCTAGGAGTTTATTAGAAACTCAGTCTATGAGCCTACTGAAT	97547
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	----- ----- ----- ----- ----- ----- ----- -----	
	120490 120500 120510 120520 120530 120540 120550 120560	
Human	CTACATTTTGACAAGATTGGCAGGTGATGCATTTGGACATAAGTTGGAGAAGCACTCAATGCATTTTTTCAGTTCATAA	97627
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	----- ----- ----- ----- ----- ----- ----- -----	
	120570 120580 120590 120600 120610 120620 120630 120640	
Human	AAATCAGCTTCAAAGTTTTTCCTGAGTGTGGAAATTATTTCAATTAGTAATTTAAGTTATGCAGATATAGTTAATACCA	97707
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	120650 120660 120670 120680 120690 120700 120710 120720	
Human	AGAAATAATTGAACTGAAAAGGAACCCGGATATCTAGTTTTAACCAGCTGTTTTAAAGATAAACAGTTC TAGAGATCAA	97787
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	120730 120740 120750 120760 120770 120780 120790 120800	
Human	TGAATAGTTTTAGCAACATATTTATTGTAACCTTACCTGTAGTTAGAATCCAAGTCCCTGGCTTCCAATCCAGTCTTCAAT	97867
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	120810 120820 120830 120840 120850 120860 120870 120880	
Human	GTATAACTGATCAAAAGAAATACAGGCCTGCTATTATTCATAAATTTAAACTATTATGTACAAGTTGATAGCTTATAA	97947
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	120890 120900 120910 120920 120930 120940 120950 120960	
Human	TAGAAATCAGTATGATTAGTGT TAAAAGTCAAATTTAGTCTGACAGGGAAGGAATGTCCATGTGAAGTGATTTTTTTTAA	98027
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
		120970 120980 120990 121000 121010 121020 121030 121040
Human	TAGAATGCAAATTAATACTCAATTCCTGATTTGTTTATTACATTTTGTGGTTTAATGAAATGATACTCAGGTCATTTTCA	98107
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
		121050 121060 121070 121080 121090 121100 121110 121120
Human	TAAATAGCTTTTCTATTAATGCTTCCTCAGTCACATTCTCTATTTCCTATTGCATAGCACAGTCTAACAGTTGAAATGCCT	98187
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
		121130 121140 121150 121160 121170 121180 121190 121200
Human	AAGCCTTACTGAATGATGACTGATATTCTCTGTGAGAGTTAGAGCTGTACTATAAATATACATTACCTGTGCAAAGTATG	98267
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
		121210 121220 121230 121240 121250 121260 121270 121280
Human	CCTTCAGGGGCTATTCCCCAT AACCTTAGCAAAATTTTAAAATATTCTTATGGCTAGCAATCTTATCTATTGTCATGTCT	98347
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	121290 121300 121310 121320 121330 121340 121350 121360	
Human	TACTATTTCTGCTTACCACCCCATTCTCTCTCAACCTTGTTGCTGCATTAGCTGTCCATCACTTAACACTGTTTATT	98427
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	121370 121380 121390 121400 121410 121420 121430 121440	
Human	TCTCTGTTTTCTTCCATCATTTCTCTCTTTGCAACTAAATGATTTAGACTTTTTATAACCATAATCAACCAGTTAGATT	98507
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	121450 121460 121470 121480 121490 121500 121510 121520	
Human	CTTTTTATTTGTGGTTATTGAGTTGATAAATGATAGTGCATTTTATGTAATATTCAGGTGTTATGCTATTTTATCTGGT	98587
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	121530 121540 121550 121560 121570 121580 121590 121600	
Human	TCACTTTAAACCTCCCTCCCCCACTCCCTTTTTTTGTGGTTTTTTTTTATTATTATTATTTTCCAGTTTTGTGTTG	98667
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX								
	<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121610</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121620</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121630</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121640</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121650</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121660</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121670</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121680</td> </tr> </table>	121610	121620	121630	121640	121650	121660	121670	121680
121610	121620	121630	121640	121650	121660	121670	121680		
Human	T T T T G C T T T T T A A C T T C T G A G A T T G C A G T G G T T C C A G A T G G T T G A A A T C A C T A G T A G T G A T T T A C A T G A A G C A T T C A T G T 98747								
PolarBear	52114								
Cow	86816								
Dog	82307								
BelugaWhale	81417								
Donkey	90106								
Cat	86449								
Ferret	87765								
Lion	84143								
Vaquita	84015								
Pig	83470								

Majority	XX								
	<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121690</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121700</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121710</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121720</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121730</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121740</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121750</td> <td style="border-left: 1px solid black; border-right: 1px solid black; width: 12.5%; text-align: center;">121760</td> </tr> </table>	121690	121700	121710	121720	121730	121740	121750	121760
121690	121700	121710	121720	121730	121740	121750	121760		
Human	A T T T A T T A C T G G T A T A T T C A A C T A T G G T G G A G G G A A A T T G G T C G A A G A A T T A C G G T T A A A G A G C T C C T T T A A A A A G G A G A 98827								
PolarBear	52114								
Cow	86816								
Dog	82307								
BelugaWhale	81417								
Donkey	90106								
Cat	86449								
Ferret	87765								
Lion	84143								
Vaquita	84015								
Pig	83470								

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Majority	XX	
	121770 121780 121790 121800 121810 121820 121830 121840	
Human	TTTGTAGAATTCTAAAATGTGATTCTGATT CATATAGT CATGATTCTTAGAAATTAGCTACAGGAAGAGATAGAAACATT	98907
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	121850 121860 121870 121880 121890 121900 121910 121920	
Human	GCTATAGTTGTCTTTGCCCTAAGTTTGGAGTTT TATAGTGTAATATATATAAATAGCTCTAATTATAAATACACTTTTA	98987
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	121930 121940 121950 121960 121970 121980 121990 122000	
Human	CTCTGGAAAAAGCATAGACATTGACATAAGAGACATTTAAAACCATTATTTTCTCATCTGTAAAATGGAGAGAATTACT	99067
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	122010 122020 122030 122040 122050 122060 122070 122080	
Human	TCATATGTTCACTTATAAGGATTATGTGAAATACTGTTCCATTCCATTAGTAGTTTTTCTTTTCTCTAATTGGGGGTGG	99147
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	122090 122100 122110 122120 122130 122140 122150 122160	
Human	GGGCAGTTTTTGGCATTCTATTTATGGAAGGTGTTTTTCCCTAAGATCATTTTGATGTCTCAGAAGACATTTGCTATG	99227
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	122170 122180 122190 122200 122210 122220 122230 122240	
Human	TACGTTGGACATTTGCCATGTACATTGTAGAGAATACAAAGATAAACAGAACCACAGTACAGCTGGTTCTATTAGACATT	99307
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX								
	122250	122260	122270	122280	122290	122300	122310	122320	
Human	GAAAATGCATATTCTAGCATATTTAATATATTAGGGAACAATTTAAGCATAAATGTGAATTTTCATGTTTACTGAAGATTTTC							99387	
PolarBear								52114	
Cow								86816	
Dog								82307	
BelugaWhale								81417	
Donkey								90106	
Cat								86449	
Ferret								87765	
Lion								84143	
Vaquita								84015	
Pig								83470	

Majority	XX								
	122330	122340	122350	122360	122370	122380	122390	122400	
Human	ATCCTGAGAAACAAATGAAAGCAGAAAATTACAACCAACTGAACCAGCTGTGT AAGAAATATATATATGGTGTGCACACA							99467	
PolarBear								52114	
Cow								86816	
Dog								82307	
BelugaWhale								81417	
Donkey								90106	
Cat								86449	
Ferret								87765	
Lion								84143	
Vaquita								84015	
Pig								83470	

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Majority	XX	
		122410 122420 122430 122440 122450 122460 122470 122480
Human	TGTACATACCTCAGACATCTATTAGCATTCTCAGTTTTCCACAAGTTAAAAGCCACGCTCATCCATATCTGGTGCTAATA	99547
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
		122490 122500 122510 122520 122530 122540 122550 122560
Human	ACTTCCTATCCAATTTTCAGATAGCTGTTTTCAACACATCTGACACCTTCTTTTTTCAAGCAAACCTTCAGGTCTTTTTCA	99627
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority
XX

122570 122580 122590 122600 122610 122620 122630 122640

Human AGATAAAGTCATTTATAGTAGTGTCTATATATTTCTTAACCATTTAACATGTAAACTGTGCTGCCTTTTAAGAAATTAAT 99707
PolarBear 52114
Cow 86816
Dog 82307
BelugaWhale 81417
Donkey 90106
Cat 86449
Ferret 87765
Lion 84143
Vaquita 84015
Pig 83470

Majority
XX

122650 122660 122670 122680 122690 122700 122710 122720

Human TCTATCCTTTT TAGTGT CAGAGTT GAAGATTTT GAGTGT TGTGCCCTAACCTTATCATTTTCCTCATAAGT CCTGTGGTT 99787
PolarBear 52114
Cow 86816
Dog 82307
BelugaWhale 81417
Donkey 90106
Cat 86449
Ferret 87765
Lion 84143
Vaquita 84015
Pig 83470

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Majority	XX
	122730 122740 122750 122760 122770 122780 122790 122800
Human	TTTATTGTATGATTTTGCATAGTGTGGCAATTCTTGGAAATGCTTATGTTGTGTTATAGTATAACTGACTTACTACTTTC 99867
PolarBear	52114
Cow	86816
Dog	82307
BelugaWhale	81417
Donkey	90106
Cat	86449
Ferret	87765
Lion	84143
Vaquita	84015
Pig	83470

Majority	XX
	122810 122820 122830 122840 122850 122860 122870 122880
Human	AAATAGCTTCTAGTCTGATTCATGTTATGACAGTATACAGTATAGCAAATAAGGACATCAGGGAACAGGAGGCTGAGCA 99947
PolarBear	52114
Cow	86816
Dog	82307
BelugaWhale	81417
Donkey	90106
Cat	86449
Ferret	87765
Lion	84143
Vaquita	84015
Pig	83470

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Majority	XX
	122890 122900 122910 122920 122930 122940 122950 122960
Human	TATCACCATTTACCAATGGTAGCTTGAGCAAGGCACTTCATTTATCGAAGTCCATTTTCTCATCTGTACAATGGAGGTGA 100027
PolarBear	52114
Cow	86816
Dog	82307
BelugaWhale	81417
Donkey	90106
Cat	86449
Ferret	87765
Lion	84143
Vaquita	84015
Pig	83470

Majority	XX
	122970 122980 122990 123000 123010 123020 123030 123040
Human	TGATAGTACATGTCTTTTCTGTCTTGTGTTATTTGTAGTTTCAAGTAAGATATGAAATATGCTGTAGAAATACAGGGTTG 100107
PolarBear	52114
Cow	86816
Dog	82307
BelugaWhale	81417
Donkey	90106
Cat	86449
Ferret	87765
Lion	84143
Vaquita	84015
Pig	83470

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Majority	XX	
	123050 123060 123070 123080 123090 123100 123110 123120	
Human	GGAATATCTAGTGGTACAAAAATCAACTTTTGGCCCAATTTTAAGGTGAGATAATTATGAGACATTTTTTCGACCTCAAAG	100187
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	123130 123140 123150 123160 123170 123180 123190 123200	
Human	TCTTTGTTCTTTTCTCTACACCATTGTGAATAACACAGTGTATATATGAGATTAATTTATTACCTCGACTTTCCATTT	100267
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	123210 123220 123230 123240 123250 123260 123270 123280	
Human	TTGTTTTGTAAAGTAGTTTAAATTTTTATATCTATTTATAAAGTTAACTGCAGGAGTGTACCTGCAGTTAACTTTATACA	100347
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	123290 123300 123310 123320 123330 123340 123350 123360	
Human	GTTAAGAAGAGGTTGGTTTCAGTTTTAAAGATTGTATGTCAGTGTAAAACATCCATTATTATGCTTTCAAGTAAAATAGC	100427
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	123370 123380 123390 123400 123410 123420 123430 123440	
Human	T CCTAAAAATATGGATTACTATCAACTTTCAAGGAAAATAGCTCCTAAAAATATGGATTACTACCAACTTTCAAGGAAAA	100507
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	123450 123460 123470 123480 123490 123500 123510 123520	
Human	TAGCTCCTAGAAATATGGATTACTAGCCACATAAATTGCTAACATTTGCTTTTATTATTATTATTATTATTATTATTATTAGAC	100587
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX								
	123530	123540	123550	123560	123570	123580	123590	123600	
Human	ACAGTCTTGCTCTGTACCCAGGCTGGAGTGCAGTGGTATTATCTCGGCTCACTGCAACCTCCACCTCTCGGGTTCAAGC							100667	
PolarBear								52114	
Cow								86816	
Dog								82307	
BelugaWhale								81417	
Donkey								90106	
Cat								86449	
Ferret								87765	
Lion								84143	
Vaquita								84015	
Pig								83470	

Majority	XX								
	123610	123620	123630	123640	123650	123660	123670	123680	
Human	AATTCTCCTGCCTCAGCCTTCGAGTAGCTGGAATTACAGGCACCCACCACACCCAGCTAATTTTGTATTTT TAGT							100747	
PolarBear								52114	
Cow								86816	
Dog								82307	
BelugaWhale								81417	
Donkey								90106	
Cat								86449	
Ferret								87765	
Lion								84143	
Vaquita								84015	
Pig								83470	

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Majority	XX	
	----- ----- ----- ----- ----- ----- ----- ----- ----- -----	
	123690 123700 123710 123720 123730 123740 123750 123760	
Human	AGAGACAGGGTTTTACCATGTGACCAGGCTGGTTTTCGAACTCCTGACCTCAAATGATCCACCTGCCTCAGCCTCCCAAAC	100827
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	----- ----- ----- ----- ----- ----- ----- ----- ----- -----	
	123770 123780 123790 123800 123810 123820 123830 123840	
Human	TGCTGGGATTACAGGTGTGAGCCACCGCTCCCAGCCTATTTGCTAATATTTAACCTCTTGAGAGTCTTTAATTCTTTTT	100907
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	123850 123860 123870 123880 123890 123900 123910 123920	
Human	T CAACAAGTGTT CATTACCTGCTATGTGCCAGCTTAGATGCTTTGGATGAAATACAGGTTGGTGCGAAAGTAATTGCGAT	100987
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	123930 123940 123950 123960 123970 123980 123990 124000	
Human	T TTTGCCGTTAAAATTAGAAAAACCACAATTACTTTTGCACCAACCTAAATAACTAAAACACAATTTCTTCCTATCATGG	101067
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority
XX

124010 124020 124030 124040 124050 124060 124070 124080

Human GGCTTT CAGTT CAGT ATGAGATAAGTAAAGAATTATATGGGTTGATAAATTTTCTGGAGGAACTATTGGGTGTTATTACA 101147
PolarBear 52114
Cow 86816
Dog 82307
BelugaWhale 81417
Donkey 90106
Cat 86449
Ferret 87765
Lion 84143
Vaquita 84015
Pig 83470

Majority
XX

124090 124100 124110 124120 124130 124140 124150 124160

Human GTGTGCTCAATCTTTAGCAGTTAGGAAAGGATTCTTGAAGGTAGTTGTATTACCTGGGTTGGAGGTAAGTGTTGGGGACA 101227
PolarBear 52114
Cow 86816
Dog 82307
BelugaWhale 81417
Donkey 90106
Cat 86449
Ferret 87765
Lion 84143
Vaquita 84015
Pig 83470

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Majority	XX							
	124170	124180	124190	124200	124210	124220	124230	124240
Human	CAAGTGTTAGAAACAGAACAGTTTGT TTA AAAAGTTGGGGACAAAAAAGGACCAGAATCAAGATTACGGCACCCCTGGAGAA							101307
PolarBear								52114
Cow								86816
Dog								82307
BelugaWhale								81417
Donkey								90106
Cat								86449
Ferret								87765
Lion								84143
Vaquita								84015
Pig								83470

Majority	XX							
	124250	124260	124270	124280	124290	124300	124310	124320
Human	AGTTAAGCATGGCTCGGTCATAAATTAGGAGACAAGGAACAAATAGAGAAATACGTTTGGATAGAATAGTCAGATTATAG							101387
PolarBear								52114
Cow								86816
Dog								82307
BelugaWhale								81417
Donkey								90106
Cat								86449
Ferret								87765
Lion								84143
Vaquita								84015
Pig								83470

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Majority	XX	
		124330 124340 124350 124360 124370 124380 124390 124400
Human	GCTGTGCTAAGTTGTTTGGGCTCCACTAGGGTTTCTAAATGCAGTTATTGGTAAACTGGACTTAGGAGAAGGGACAGGGT	101467
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
		124410 124420 124430 124440 124450 124460 124470 124480
Human	TGACATGACAAATCTAGTGAATTTATGTTCAATAAAATATCCCTTTTGAATTGATTTAGTTTTTGTATGTTTCTTTTTTA	101547
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
		124490 124500 124510 124520 124530 124540 124550 124560
Human	T A A T T C C A A A A A A T C A T A C A A A T A A G T T A A A C T T A T C C A T C T A A A A G C T G C A C A C A A A A C T T G A T G T T A G A T T C T T T T A A	101627
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
		124570 124580 124590 124600 124610 124620 124630 124640
Human	A A T T A C A A A A T T A A G A C T T C C A A A A G A A T C T T G T T G A A T A A G A G T A A A A G A A A G A C C C T T A C T C A G T A A A G C T G C G T A A T	101707
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
		124650 124660 124670 124680 124690 124700 124710 124720
Human	ACTTTGGCAGTTTGAACCCATGGCCATGCCTCTCTGTGTGATAAGGATTTGGCAAACCATGGAAGAAACATGCATGTTT	101787
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
		124730 124740 124750 124760 124770 124780 124790 124800
Human	TTGAATTGTCTTCCATGGTAACTTAAAACATTTTTTTCATGAAACATGGATATATATCCTTAGAAAACATGCAAAACATAA	101867
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	124810 124820 124830 124840 124850 124860 124870 124880	
Human	AGCTTGTAAAGTTATAAGACAAGATTTATCTCTTTTTTTTTTTTTTCTGAGAGAGAGTCTTGCTCTGTTGCCCAGGCCGGA	101947
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	124890 124900 124910 124920 124930 124940 124950 124960	
Human	GTGCAACAGTGTGATCTCTGCTCACTGCACCCTCCGCCTCCCGGGTCAAGCAATTCTCCTGCCTCAGCCTCCTGAGTAG	102027
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
		124970 124980 124990 125000 125010 125020 125030 125040
Human	CTGGGACTACAGGCGTGTGCCGCCAAGCCCAGCTAATTTTTTTGTATCTTTAGTAGAGACGGTTTCACCATGTTGGCCAG	102107
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
		125050 125060 125070 125080 125090 125100 125110 125120
Human	GCTGGTCTCGAACTCCTGACCTCAAGTGATCTACCTGCCTCAGCCTTCTAAAGTGTGGGATTACAGGCATGAGCCATGG	102187
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	125130 125140 125150 125160 125170 125180 125190 125200	
Human	CACCCGGCCAAGATGAAATGTCAAGGCCATTTTAGCCACTATGCTTTTAAGACTACTTAAAGCTGTGCTTTCAGGTCTCC	102267
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	125210 125220 125230 125240 125250 125260 125270 125280	
Human	CCAGGAATACTTGTTCACTCTATACTATTGCTGCTGCTGTTCTGGCTTGAGAATTTTGAGAATCACTAAGATACAATTTT	102347
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
	125290 125300 125310 125320 125330 125340 125350 125360	
Human	AAGTTTTGACATGTAAATTATTTGGTTGAGTAGAAAGAATTAATGTAGATAAGCAAAAACCCCTTTATAAAAAATGCTTA	102427
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	125370 125380 125390 125400 125410 125420 125430 125440	
Human	CCCTTTAAAAAATGTTGAATCCTCACAGTATGATTAAATACTACTTGTAAAAGTGTCTGTTAACCATATAATGTATTTTTTA	102507
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX								
	125450	125460	125470	125480	125490	125500	125510	125520	
Human	GATAATTTGAGTAGAATTATACGTGCAATATATTCTTGAGTTTGTGACCAACAAAGAAACAGATTAATGATTGAAAATTC	102587							
PolarBear		52114							
Cow		86816							
Dog		82307							
BelugaWhale		81417							
Donkey		90106							
Cat		86449							
Ferret		87765							
Lion		84143							
Vaquita		84015							
Pig		83470							

Majority	XX								
	125530	125540	125550	125560	125570	125580	125590	125600	
Human	ACCATACATTACTACCTATGTCTCTCCACCTGCTATCTACTTCCAATTTTTTATATATATAAAAGTCATTAAAGTCATTT	102667							
PolarBear		52114							
Cow		86816							
Dog		82307							
BelugaWhale		81417							
Donkey		90106							
Cat		86449							
Ferret		87765							
Lion		84143							
Vaquita		84015							
Pig		83470							

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Majority	XX	
	<div style="display: flex; justify-content: space-between; width: 100%;"> 125610 125620 125630 125640 125650 125660 125670 125680 </div>	
Human	GTAATTGAGTTTGT TTT TTT TCTTGAGACAGGGTCTCACTCTGTCACCCAGGCTGGAGTGCAAATGGCATGATCACAGC	102747
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
	<div style="display: flex; justify-content: space-between; width: 100%;"> 125690 125700 125710 125720 125730 125740 125750 125760 </div>	
Human	TCACTGCAGCCTCAACCTCCCAGGTT CGATAGATCCTCCCACCTCAGTCCCCACAGGCATGCATCACCATGCCTGACTA	102827
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority	XX	
		125770 125780 125790 125800 125810 125820 125830 125840
Human	GT TTTTGT GT TTTT TTTGT AGAGACAAGG TTTT GCCAT GTT GCCCAGACT GGTCTCAA ACTT GGGCCAAAGCCATCCACCT	102907
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

Majority	XX	
		125850 125860 125870 125880 125890 125900 125910 125920
Human	GCCTCGGCTTCCCAATGTGCTGGGATTACATGTGTGAGCCACCACCCAGTCATGAGAATTATTTTAAATCAGGTA AAC	102987
PolarBear		52114
Cow		86816
Dog		82307
BelugaWhale		81417
Donkey		90106
Cat		86449
Ferret		87765
Lion		84143
Vaquita		84015
Pig		83470

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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              125930     125940     125950     125960     125970     125980     125990     126000
Human         AAAATGTCTGTGGGAATATTGAGCTTTATGATAGATACCTAAGTTTTCCCAAAAATAATTTGTGTTAGCATTTCAGTGAAT 103067
PolarBear                    52114
Cow                              86816
Dog                               82307
BelugaWhale                      81417
Donkey                            90106
Cat                               86449
Ferret                            87765
Lion                              84143
Vaquita                         84015
Pig                               83470
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|-----|
              126010     126020     126030     126040     126050     126060     126070     126080
Human         CACTATACTTAACCTAGAAATCTAGGTTACCAATAACAGTCTCTTTCAGGTTTTTTTCTTTTCCTGTGTCTTTCTTTTAA 103147
PolarBear                    52114
Cow                              86816
Dog                               82307
BelugaWhale                      81417
Donkey                            90106
Cat                               86449
Ferret                            87765
Lion                              84143
Vaquita                         84015
Pig                               83470
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|-----|-----|-----|
              126090     126100     126110     126120     126130     126140     126150     126160
Human         CTAAAATCATT CATAACTGGGATGACTTATGGAGTTGATACCTTAGGTCAAATCCCAATTTAGAAACTCCCAAAGCCTG 103227
PolarBear    52114
Cow          86816
Dog          82307
BelugaWhale 81417
Donkey       90106
Cat          86449
Ferret       87765
Lion         84143
Vaquita     84015
Pig          83470
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Majority      XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
              |-----|-----|-----|-----|
              126170     126180     126190     126200
Human         TCAAATTTTGACACATACTTTAAATGAACTGTTATTGAGTAGATATA 103274
PolarBear    52114
Cow          86816
Dog          82307
BelugaWhale 81417
Donkey       90106
Cat          86449
Ferret       87765
Lion         84143
Vaquita     84015
Pig          83470
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