

	Code	Species	Genes
Primates	hsa	<i>Homo sapiens</i>	6311_ATXN2 11273_ATXN2L
	ptr	<i>Pan troglodytes</i>	452247 454017
	pon	<i>Pongo abelii</i>	100433569 100454124
	mcc	<i>Macaca mulatta</i>	710742 708359
	mcf	<i>Macaca fascicularis</i>	101926470 102117238
	mmu	<i>Mus musculus</i>	20239 233871
Other mammals	rno	<i>Rattus norvegicus</i>	288663 361649
	cge	<i>Cricetulus griseus</i>	100772811 100765372
	hgl	<i>Heterocephalus glaber</i>	101726106 101717578
	cfa	<i>Canis familiaris</i>	486270 489951
	bta	<i>Bos taurus</i>	532649 539507
	bom	<i>Bos mutus</i>	102279571 102276261
	phd	<i>Pantholops hodgsonii</i>	102343138 102323591
	chx	<i>Capra hircus</i>	102181918 102180146
	ssc	<i>Sus scrofa</i>	100153708 100515946
	ecb	<i>Equus caballus</i>	100057794 100066373
	myb	<i>Myotis brandtii</i>	102257957 102260634
	mdo	<i>Monodelphis domestica</i>	100017952 100014802
	shr	<i>Sarcophilus harrisii</i>	100919478 100918446
Birds	gga	<i>Gallus gallus</i>	416877
	mgp	<i>Meleagris gallopavo</i>	100548051
	tgu	<i>Taeniopygia guttata</i>	100220881
	fab	<i>Ficedula albicollis</i>	101812918
	phi	<i>Pseudopodoces humilis</i>	102102442
	apla	<i>Anas platyrhynchos</i>	101803795
	fpg	<i>Falco peregrinus</i>	101924450
	fch	<i>Falco cherrug</i>	102046876
	clv	<i>Columba livia</i>	102085007
Reptiles	acs	<i>Anolis carolinensis</i>	100551565 100564603
	asn	<i>Alligator sinensis</i>	102374524 102377706
	xtr	<i>Xenopus tropicalis</i>	100490147 100216248
Amphibians			

Fishes	dre	<i>Danio rerio</i>	569210 324525
	tru	<i>Takifugu rubripes</i>	101062795 101069808
	ola	<i>Oryzias latipes</i>	101175201 101160663
	lcm	<i>Latimeria chalumnae</i>	102361169 102360058
Echinoderms (Basal Animal)	spu	<i>Strongylocentrotus purpuratus</i>	581517
Diptera (Insects)	dme	<i>Drosophila melanogaster</i>	Dmel_CG5166
	dpo	<i>Drosophila pseudoobscura pseudoobscura</i>	Dpse_GA18704
	dwi	<i>Drosophila willistoni</i>	Dwil_GK11664
	dya	<i>Drosophila yakuba</i>	Dyak_GE24310
	aga	<i>Anopheles gambiae</i>	AgaP_AGAP013455
Other insects	tca	<i>Tribolium castaneum</i>	660366
	bmor	<i>Bombyx mori</i>	101743989
	api	<i>Acyrtosiphon pisum</i>	100163910
	phu	<i>Pediculus humanus corporis</i>	Phum_PHUM213790
Hymenoptera (Insects)	ame	<i>Apis mellifera</i>	409151
	nvi	<i>Nasonia vitripennis</i>	100120335
	aec	<i>Acromyrmex echinator</i>	AECH22559-PA
	ace	<i>Atta cephalotes</i>	ACEP16121-PA
	cfl	<i>Camponotus floridanus</i>	CFLO18886-PA
	hsal	<i>Harpegnathos saltator</i>	HSAL22900-PA
	lhu	<i>Linepithema humile</i>	LH10746-PA
Nemmatodes	cel	<i>Caenorhabditis elegans</i>	NP_001255079.1
	loa	<i>Loa loa</i>	LOAG_10217
Cnidarians (Basal Animal)	nve	<i>Nematostella vectensis</i>	NEMVE_v1g243962
Placozoans (Basal Animal)	tad	<i>Trichoplax adhaerens</i>	TRIADDRAFT_51569
Eudicots	mes	<i>Manihot esculenta</i>	cassava4.1_003097m cassava4.1_003544m cassava4.1_004220m cassava4.1_014104m.g
	rcu	<i>Ricinus communis</i>	29706.m001306 29666.m001432
	lus	<i>Linum usitatissimum</i>	Lus10037656 Lus10015638 Lus10040755 Lus10016477
	pop	<i>Populus trichocarpa</i>	Potri.003G063000.1 Potri.001G171100.1 Potri.011G138600.1 Potri.001G423200.1
	mtr	<i>Medicago truncatula</i>	Medtr2g099480.1 Medtr3g051270.1
	pvu	<i>Phaseolus vulgaris</i>	Phvul.005G156000.1 Phvul.010G133000.1 Phvul.006G042100.1
	gmx	<i>Glycine max</i>	Glyma15g03190.1 Glyma13g42230.4 Glyma16g00765.1 Glyma07g04060.5 Glyma08g42700.4 Glyma18g11551.1
	csa	<i>Cucumis sativus</i>	Cucsa.340860.1 Cucsa.059890.1
	ppe	<i>Prunus persica</i>	ppa002829m ppa004888m
	fve	<i>Fragaria vesca</i>	mrna07523.1-v1.0-hybrid

	ath	<i>Arabidopsis thaliana</i>	mrna03364.1-v1.0-hybrid At1g54170.1_CID3 At3g14010.1_CID4 AT4G26990.1_CID16 AT5G54920.2_CID17
	aly	<i>Arabidopsis lyrata</i>	474549 929172 492097 495575
	cru	<i>Capsella rubella</i>	Carubv10008656m Carubv10013292m Carubv10007224m Carubv10026219m
	bra	<i>Brassica rapa</i>	Bra037969 Bra014367 Bra021526 Bra001533 Bra026388 Bra019079
	tha	<i>Thellungiella halophila</i>	Thhalv10011331m Thhalv10020519m Thhalv10015348m Thhalv10025144m
	cpa	<i>Carica papaya</i>	evm.model.supercontig_25.97
	gra	<i>Gossypium raimondii</i>	evm.model.supercontig_97.11 Gorai.010G234100.1 Gorai.012G011100.1 Gorai.009G437800.1
	tco	<i>Theobroma cacao</i>	Thecc1EG029104t3 Thecc1EG030903t1
	csi	<i>Citrus sinensis</i>	orange1.1g045896m
	ccl	<i>Citrus clementina</i>	orange1.1g038314m Ciclev10025086m Ciclev10007877m
	egr	<i>Eucalyptus grandis</i>	Eucgr.F03170.1 Eucgr.F00770.1
	vvi	<i>Vitis vinifera</i>	GSVIVT01016786001 GSVIVT01037637001
	stu	<i>Solanum tuberosum</i>	PGSC0003DMP400008702 PGSC0003DMP400038691
	sly	<i>Solanum lycopersicum</i>	Solyc06g062860.2.1 Solyc03g121950.2.1 Solyc07g064550.2.1
	mgv	<i>Mimulus guttatus</i> v2.0	Migut.D00945.1.p Migut.M01771.1.p
	aco	<i>Aquilegia coerulea</i>	Aquca_076_00117.1 Aquca_011_00036.1
Monocots	sbi	<i>Sorghum bicolor</i> v1.4	Sb04g019250.1 Sb06g029190.1
	zma	<i>Zea mays</i>	GRMZM5G829738_T01 GRMZM2G056773_T01 GRMZM2G012088_T01 GRMZM2G150901_T03
	sit	<i>Setaria italica</i>	Si016687m Si010063m
	pvi	<i>Panicum virgatum</i>	Pavirv00049508m PPavirv00038354m Pavirv00018461m Pavirv00019389m

	osa	<i>Oryza sativa</i>	LOC_Os02g27950.1 LOC_Os04g53450.1
	bdi	<i>Brachypodium distachyon</i>	Bradi1g56090.1 Bradi5g22420.1
Ferns (Basal Plant)	smo	<i>Selaginella moellendorffii</i>	411870 437867
Mosses (Basal Plant)	ppp	<i>Physcomitrella patens v1.6</i>	Pp1s358_21V6.1 Pp1s59_306V6.1
Green algae	cre	<i>Chlamydomonas reinhardtii</i>	g1267.t1
	vcn	<i>Volvox carteri</i>	Vocar20009639m
	mpp	<i>Micromonas pusilla CCMP1545</i>	211045
	mis	<i>Micromonas sp. RCC299</i>	64598
	olu	<i>Ostreococcus lucimarinus</i>	OSTLU_24476
Red algae	cme	<i>Cyanidioschyzon merolae</i>	CMK070C
Ascomycetes	sce	<i>Saccharomyces cerevisiae</i>	YGR178C_PBP1
	kla	<i>Kluyveromyces lactis</i>	KLLA0F15158g
	cgr	<i>Candida glabrata</i>	CAGL0D05896g
	dha	<i>Debaryomyces hanseni</i>	DEHA2G03652g
	cal	<i>Candida albicans</i>	CaO19.12914
	yli	<i>Yarrowia lipolytica</i>	YALI0B23232g
	ncr	<i>Neurospora crassa</i>	NCU05400
	mgr	<i>Magnaporthe oryzae</i>	MGG_09170
	ang	<i>Aspergillus niger</i>	ANI_1_186074
	cim	<i>Coccidioides immitis</i>	CIMG_07100
	pno	<i>Phaeosphaeria nodorum</i>	SNOG_0526
	tml	<i>Tuber melanosporum</i>	GSTUM_00011755001
Basidiomycetes	uma	<i>Ustilago maydis</i>	UM02637.1
	mgl	<i>Malassezia globosa</i>	MGL_1239
	pgr	<i>Puccinia graminis</i>	PGTG_01299
Choanoflagellates (Protist)	mbr	<i>Monosiga brevicollis</i>	MONBRDRAFT_28426
Amoeboflagellate (Protist)	ngr	<i>Naegleria gruberi</i>	NAEGRDRAFT_78066
Amoebozoa (Protists)	ddi	<i>Dictyostelium discoideum</i>	DDB_G0269682
	dpp	<i>Dictyostelium purpureum</i>	DICPUDRAFT_98676
	acan	<i>Acanthamoeba castellanii</i>	ACA1_058350
Alveolates (Protists)	pfa	<i>Plasmodium falciparum 3D7</i>	PF14_0338
	pvx	<i>Plasmodium vivax</i>	PVX_084750
	tpv	<i>Theileria parva</i>	TP04_0787
	cho	<i>Cryptosporidium hominis</i>	Chro.70349
	tgo	<i>Toxoplasma gondii</i>	TGME49_031440
	ptm	<i>Paramecium tetraurelia</i>	GSPATT00037771001
Euglenozoa (Protists)	tbr	<i>Trypanosoma brucei</i>	Tb927.8.4540
	lbz	<i>Leishmania braziliensis</i>	LBRM_10_1220
Diatoms (Protists)	pti	<i>Phaeodactylum tricornutum</i>	PHATRDRRAFT_44892
	tps	<i>Thalassiosira pseudonana</i>	THAPS_23386
Oomycetes (Protist)	pif	<i>Phytophthora infestans</i>	PITG_01358

Additional file 1. List of retrieved Ataxin-2 genes from animals, fungi, protists and plants.