

Table 1. Databank accession codes for clathrin heavy chain sequences used in alignment

Common gene name	DNA accession (NCBI or as noted)	NCBI protein Accession	Genus	Species
Human CLTC	G1705916	Q00610	<i>Homo</i>	<i>sapiens</i>
Macaque CLTC	AB050403		<i>Macaca</i>	<i>fascicularis</i>
Cow CLTC	G1705915	P44951	<i>Bos</i>	<i>taurus</i>
Sheep CLTC	CO202599 CD288299		<i>Ovis</i>	<i>aries</i>
Pig CLTC	AJ659437 AJ681204 AJ747007 BP440225 BP446417 BP454934 BP461492 BP170030 BP438631 CK452480	Ensembl: F14522	<i>Sus</i>	<i>scrofa</i>
Dog CLTC	AAEX01021795 Chr9_5.84		<i>Canis</i>	<i>familiaris</i>
Mouse CLTC	Embl: AL592222.9 NCBI contig NT_031414 and NW_000039 RP23-366M19 3110065L21		<i>Mus</i>	<i>musculus</i>
Rat CLTC	G116514 Rn10_1856	P11442	<i>Rattus</i>	<i>norvegicus</i>
Chicken CLTC	Chr19_290.1, GGA427965	CAD20886	<i>Gallus</i>	<i>gallus</i>
African clawed frog CLTC	BM262925 BG814098 158293760 158309305 158340516 158344024 173042789 271621027 283136695 286851001 341750939 341822960 scaffold_24494 JGI v.1 scaffold_42117 JGI v.1 scaffold_607 JGI v.2		<i>Xenopus</i>	<i>laevis</i>
Atlantic salmon CLTC	BG934815		<i>Salmo</i>	<i>salar</i>
Zebrafish A	CR392341.2 Zv4_Scaffold 897 (chr10) DART0000014065		<i>Danio</i>	<i>rerio</i>
Zebrafish B	Zv4NA_Scaffold 6663 Sanger supercontig z06s013284 DART0000030858		<i>Danio</i>	<i>rerio</i>
Japanese Pufferfish CLTC	FRUP00000157850 Scaffold 621 v.3 Scaffold 1045 v. 3		<i>Takifugu</i>	<i>rubripes</i>
Indonesian pufferfish CLTC	FS_CONTIG_306_3 FS_CONTIG_30_1 FS_CONTIG_48613_1		<i>Tetraodon</i>	<i>nigroviridis</i>
Human CLTD	G2506298	P53675	<i>Homo</i>	<i>sapiens</i>

Dog CLTD	BI397488 AAEX01043190 AAEX01043192 AAEX01043188 AAEX01043191 AAEX01043189 AAEX01046231 Chr26_6.165		<i>Canis</i>	<i>familiaris</i>
Chicken CLTD	Chr15_5.1 603984283F1 603485646F1 603788828F1 603747580F1 047368.1 021350.1 BQ038996		<i>Gallus</i>	<i>gallus</i>
African clawed frog CLTD	BG892745 BG578994 BG885812 158287710 scaffold_10796 JGI v.1 scaffold_13235 JGI v.1 scaffold_1315 JGI v.2		<i>Xenopus</i>	<i>laevis</i>
Zebrafish C	Zv4_Scaffold 1944.1 (chr 23)		<i>Danio</i>	<i>rerio</i>
Zebrafish D	Zv4_Scaffold 799.17 (chr9) Zv4_Scaffold 782 (chr9) DART0000017022		<i>Danio</i>	<i>rerio</i>
Zebrafish E	DART0000027344 Zv4_scaffold 944 (chr11)		<i>Danio</i>	<i>rerio</i>
Japanese Pufferfish CLTD	FRUP00000149307 Scaffold 385, Scaffold 318		<i>Takifugu</i>	<i>rubripes</i>
Indonesian pufferfish CLTD	FS_CONTIG_5247_1 FS_CONTIG_23898_1 FS_CONTIG_5579_1		<i>Tetraodon</i>	<i>nigroviridis</i>
Sea squirt CHC	Ci0100133226 LQW104187.x1		<i>Ciona</i>	<i>intestinalis</i>
Sea urchin CHC	CD307137 CD304867 CD306462 CD331757 CD312494 CD310379 BG785853 CD341260 CD305608 CD308619		<i>Strongylocentrotus</i>	<i>purpuratus</i>
Fruit Fly CHC	NM_057694.2	NP_477042	<i>Drosophila</i>	<i>melanogaster</i>
Mosquito CHC	AY009101	AAK12626	<i>Aedes</i>	<i>aegyptii</i>
African malaria mosquito CHC	AAAB01008859.1	EEA08110	<i>Anopheles</i>	<i>gambiae</i>
Honeybee CHC	AADG02017589.1 AADG02021048.1		<i>Apis</i>	<i>mellifera</i>
Roundworm CHC	NM_066859.1	NP_499260	<i>Caenorhabditis</i>	<i>elegans</i>
Roundworm CHC	AC084685.1 ENSCBRP00000008041 MM14H7 11095131		<i>Caenorhabditis</i>	<i>briggsae</i>
Parasitic worm CHC	TIGR_6279 194346 189088 214282 189086 194672 201727		<i>Brugia</i>	<i>malayi</i>
Parasitic worm	BG227621		<i>Strongyloides</i>	<i>stercoralis</i>

Loblolly pine CHC	AW010935		<i>Pinus</i>	<i>taeda</i>
Tomato CHC	BG127598		<i>Lycopersicon</i>	<i>esculentum</i>
Sugar beet CHC	BI096310 BQ489421 BQ594159		<i>Beta</i>	<i>vulgaris</i>
Iceplant CHC	BE037308		<i>Mesembryanthemum</i>	<i>crystallinum</i>
Tree cotton CHC	AI731103 BG443262 CA991331		<i>Gossypium</i>	<i>arboreum</i>
Thale cress CHC1	NM_111950.1 AC012562.5 AY094397	NP_187724 AAG51341	<i>Arabidopsis</i>	<i>thaliana</i>
Thale cress CHC2	NM_111688.1	NP_187466	<i>Arabidopsis</i>	<i>thaliana</i>
Barrel medic CHC	BQ140972 BI265895 MTtuc02-12-15.11958 MTtuc02-12-15.9453 AW689178 CA991331 AG137552 BH739319		<i>Medicago</i>	<i>truncatula</i>
Japanese Lotus Flower CHC	AP004467 17736834 Ljt06K11		<i>Lotus</i>	<i>japonicus</i>
Soybean CHC	G7441347	T06779	<i>Glycine</i>	<i>max</i>
European aspen CHC	BU894962 BU810505 BU895942		<i>Populus</i>	<i>tremula</i>
Wild barley CHC	CA030159 CA022613 HVtuc02-11-10.12031 HVtuc02-11-10.8717 BU994164		<i>Hordeum</i>	<i>vulgare</i>
Bread wheat CHC	CA726748 CA734056 BE515818 BJ316154 BQ905469 TAtuc-02-12-22.22669 TAtuc-02-12-22.11721 TAtuc-02-12-22.9539		<i>Triticum</i>	<i>aestivum</i>
Broomcorn CHC	SBtuc-02-10-21.5120		<i>Sorghum</i>	<i>bicolor</i>
Rice CHC	CA756890 CA757329 D22409 BX000501 BX000491 OSTuc-02-10-21.5570		<i>Oryza</i>	<i>sativa</i>
Corn CHC	AY103752 AW053034 BM318825 BH882780 BZ413705 CA399753 BZ405349 PCO092520	-	<i>Zea</i>	<i>mays</i>
Slime mold CHC	167687	P25870	<i>Dictyostelium</i>	<i>discoideum</i>
Fission Yeast CHC	NC_003424.1	NP_594148	<i>Schizosaccharomyces</i>	<i>pombe</i>
Baker's Yeast CHC	G116515	P22137	<i>Saccharomyces</i>	<i>cerevisiae</i>
Thrush CHC	Contig6-2026 SDSTC_5476		<i>Candida</i>	<i>albicans</i>