

Species	Estimated genome size	Current sequencing coverage	Geographic distribution	Lifestyle juvenile/adult	Research importance
<i>Octopus vulgaris</i>	2.5-5 Gb	46X	world-wide	planktonic/benthic	classic model for brain and behavior, fisheries science
<i>Octopus bimaculoides</i>	3.2 Gb	50X	California, Mexico	benthic	emerging model for development and behavior, fisheries science
<i>Hapalochlaena maculosa</i>	4.5 Gb	10X	Indo-Pacific	benthic	toxicity
<i>Sepia officinalis</i>	4.5 Gb	-	East Atlantic-Mediterranean	nectobenthic	classic model for behavior and development, fisheries science
<i>Loligo pealeii</i>	2.7 Gb	-	Northwest Atlantic	nectonic	cellular neurobiology, fisheries science
<i>Euprymna scolopes</i>	3.7 Gb	-	Hawaii	nectobenthic	animal-bacterial symbiosis, model for development
<i>Idiosepius paradoxus</i>	2.1 Gb	80X	Japan	nectobenthic	model for development, small genome size
<i>Idiosepius notoides</i>	-	50X	Australia	nectobenthic	model for development, small genome size
<i>Architeuthis dux</i>	4.5 Gb	60X	world-wide	nectonic	largest body size
<i>Nautilus pompilius</i>	2.8-4.2 Gb	10x	Indo-Pacific	nectonic	"living fossil", outgroup to coleoid cephalopods

coleoids

cephalopods