

Species	Bioproject ID	sequencing depth (Gb)	tissue of origin	reference
<i>Californiconus californicus</i>	PRJNA298293	2	venom gland	https://doi.org/10.1186/s12864-016-2755-6
<i>Conus virgo</i>	PRJNA298293	2,5	venom gland	https://doi.org/10.1186/s12864-016-2755-6
<i>Conus miliaris</i>	PRJNA257931	2,9	venom gland	NA
<i>Conus gloriamaris</i>	PRJNA385205	5,8	venom gland	https://dx.doi.org/10.3390%2Fmd15050145
<i>Unedogemmula bisaya</i>	PRJNA260871	9,5	venom gland	https://doi.org/10.1016/j.toxicon.2014.10.003
<i>Terebra subulata</i>	PRJNA286257	14,6	venom gland	https://dx.doi.org/10.1093%2Fgbe%2Fev104
<i>Cinguloterebra anilis</i>	PRJNA286801	8,9	venom gland	https://dx.doi.org/10.1093%2Fgbe%2Fev104
<i>Rapana venosa</i>	PRJNA288836	18,6	mix of six developmental stages	https://doi.org/10.1016/j.cbd.2016.01.006
<i>Dicathais orbita</i>	PRJEB12262	44,9	hypobranchial gland, prostate gland, albumen gland, capsule gland, mantle and foot	https://doi.org/10.3390/md14070135
<i>Urosalpinx cinerea</i>	PRJNA253054	3,7	unknown	https://doi.org/10.1098/rspb.2014.1739
<i>Euspira heras</i>	PRJNA253054	3,4	foot	https://doi.org/10.1098/rspb.2014.1739
<i>Cipangopaludina cathayensis</i>	PRJNA264140	4,9	whole body	NA
<i>Charonia tritonis</i>	PRJNA383875	12,2	salivary gland	https://doi.org/10.1038/s41598-017-05974-x
<i>Volegalea cochlidium</i>	PRJNA181275	5,1	egg capsule	https://doi.org/10.1038/nbt.2671

Supplementary table 1: RNA-sequencing data downloaded from SRA database and used for comparative genomic analyses