

List of tRNA usage frequency in 45 available mollusk mitogenomes

Taxon	tRNA usage frequency																				
	Sum	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y
Bivalvia																					
<i>Acanthocardia tuberculata</i>	23	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1
<i>Argopecten irradians</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Chlamys farreri</i>	17	1	1	1	1	1	0	1	1	1	2	2	1	1	1	1	0	1	0	0	0
<i>Crassostrea gigas</i>	24	1	1	1	1	1	1	1	1	1	2	2	1	1	2	1	2	1	1	1	1
<i>Crassostrea hongkongensis</i>	21	1	0	1	1	1	1	1	1	1	2	2	0	1	1	1	2	1	1	1	1
<i>Crassostrea virginica</i>	23	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1
<i>Hiatella arctica</i>	23	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1
<i>Lampsilis ornata</i>	21	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
<i>Mimachlamys nobilis</i>	21	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	0	1	1	1	1
<i>Mizuhopecten yessoensis</i>	16	0	1	2	1	1	0	0	1	1	2	2	1	1	1	1	0	1	0	0	0
<i>Mytilus edulis</i>	23	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1
<i>Mytilus galloprovincialis</i>	23	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1
<i>Mytilus trossulus</i>	24	1	1	1	1	1	1	1	1	1	2	2	1	1	2	1	2	1	1	1	1
<i>Placopecten magellanicus</i>	34	1	1	1	2	4	1	1	1	2	2	9	2	0	1	0	3	1	1	1	1
<i>Sinonovacula constricta</i>	19	1	1	1	1	1	1	1	1	1	2	1	1	1	0	1	1	1	1	0	1
<i>Venerupis philippinarum</i>	23	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	1	1
Gastropoda																					
<i>Albinaria coerulea</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Aplysia californica</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Biomphalaria glabrata</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Biomphalaria tenagophila</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Cepaea nemoralis</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Conus textile</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Elysia chlorotica</i>	21	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
<i>Haliotis rubra</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Ilyanassa obsoleta</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Lophiotoma cerithiformis</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Lottia digitalis</i>	20	1	1	1	1	1	1	1	1	0	2	1	1	1	1	1	1	1	1	1	1
<i>Pupa strigosa</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Roboastra europaea</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Thais clavigera</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
Cephalopoda																					
<i>Dosidicus gigas</i>	23	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Loligo bleekeri</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Nautilus macromphalus</i>	21	1	1	1	1	1	1	1	1	0	2	1	1	1	1	1	2	1	1	1	1
<i>Octopus ocellatus</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Octopus vulgaris</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Sepia esculenta</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Sepia officinalis</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Sepioteuthis lessoniana</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Sthenoteuthis oualaniensis</i>	23	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Todarodes pacificus</i>	22	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
<i>Vampyroteuthis infernalis</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Watasenia scintillans</i>	23	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
Polyplacophora																					
<i>Katharina tunicata</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
Scaphopoda																					
<i>Graptacme eborea</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
<i>Siphonodentalium lobatum</i>	22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1