**Table 3** Detoxification of PSTs by bivalve molluscs (adults unless indicated), as measured by the time required to attain a regulatory level (RL) of 80 g STXeq 100 g$^{-1}$

| | Species | Time to RL (weeks) | Detoxification rate (%/day) | Location |
|---|---|---|---|---|
| Fast to moderate detoxifiers: | | | | |
| Clams | *Tresus capax* | 5.2<t<11.6 | - | BC, Canada |
| | *Mercenaria mercenaria* | 3.4–6.1 | 9.3–9.5 | L |
| | *Meretrix casta* | 4.4 | - | Kumble Estuary, India |
| | *Mya arenaria* | 1.0–4.0 | 9.8 | Maine, USA |
| | | 4.7 | 7.7 | St. Lawrence Estuary, Can. |
| Mussels | *Mytilus edulis* | 0.6–9.6 | 10.7 | Maine, USA |
| | | 5.1 | 13.8 | Gasp Bay, Canada |
| | *Mytilus californianus* | 2.8–9.0 | 6.6–7.4 | Pacific N. America |
| | *Choromytilus palliopunctatus* | 1.2<t<7.0 | 17.2 | Oaxaca, Mexico |
| | *Perna viridis* | 1.7 | 9.3 | L |
| | *Modiolus modiolus* | 0.9–9.2 | 7.0 | Maine, USA |
| Oysters | *Crassostrea gigas* | 0.6–2.0 | - | Pacific N. America |
| | *Crassostrea iridescens* | 1.8–3.8 | 8.9–18.1 | Oaxaca, Mexico |
| | *Crassostrea cucullata* | 6.9 | 5.5 | Kumble Estuary, India |
| | *Ostrea edulis* | 6.4 | 4.0 | Maine, USA |
| | *Pecten maximus* (scallop) | 6.4 | 7.4 | L |
| Slow detoxifiers: | | | | |
| Clams and cockles | *Saxidomus giganteus* | 114 | 0.3–0.6 | BC, Canada |
| | *Saxidomus nuttalli* | >73 | 0.9 | CA, USA |
| | *Spisula solidissima* | 96–100 | 0.8–1.9 | ME, USA |
| | | >69 | 0.4–1.6 | Georges Bank, USA |
| | *Cardium edule* | 11.2 | 3.3 | Portugal |
| | *Soletellina diphos* | >51 | 1.2–3.6 | Tungkang, Taiwan |
| Scallops | *Placopecten* Dig.+mantle+gill | >28 | 0.2–0.6 | L |
| | *magellanicus* Dig. | >5.2 | 0.6 | L |
| | *Patinopecten yessoensis* Dig. | >12 | 1.2–4.1 | Funka Bay, Japan |
| | | >17 | 3.8 | Ofunato Bay, Japan |
| Mussel | *Aulacomya ater* (mussel) Dig. | 17 | 1.7–1.8 | Southern Chile, Peninsula |

Values apply to whole tissues unless otherwise specified (*Source*: Bricelj and Shumway 1998)

*Notes*: RL=Regulatory level; F=field; L=laboratory; Dig.=digestive gland; juv.=juveniles; -=no data