Table 5. Maximum STX concentrations, microalgal sources, and geographical reports of STXs in various fish tissues and species.

Fish species and presumptive microalgal source	Common name	Maximum STX(s) concentration	Location	Reference
Alexandrium fundyense				
Scomber scombrus	Atlantic mackerel	209 µg STX eq./100g liver; 367 µg STX eq./100g liver	Bay of Fundy; Gulf of St. Lawrence	194-195
Alexandrium tamarense				
Scomber japonicus	Chub mackerel	2800 µg STX eq./100g muscle; 500 µg STX eq./100g liver; 72 µg STX eq./100g gills	Argentina	196
Pyrodinium bahamense				
Rastrelliger sp.	Short mackerel	99 MU 100 g^{-1} tissue	Brunei Darussalam	141
Sardinella sp.	Sardinella	99 MU 100 g^{-1} tissue	Brunei Darussalam	141
		572 µg STX eq./100g guts	Sabah, Malaysia	139
Sphoeroides nephelus	Southern puffer fish	1,443 µg STX eq./100g liver; 14,571 µg STX eq./100g muscle	USA	58
Sphoeroides testudineus	Checkered puffer fish	51.1 µg STX eq./100g liver; 104.3 µg STX eq./100g muscle	USA	58
Sphoeroides spengleri	Bandtail puffer fish	364.5 µg STX eq./100g muscle	USA	58
Unknown origin				
Cololabis saira	Pacific saury	0.14 MU g^{-1} viscera	Iwate, Japan	146
Gadus macrocephalus	Pacific cod	0.10 MU g^{-1} viscera; 0.10 MU g^{-1} intestine	Iwate, Japan	146
Lamna ditropis	Salmon shark	0.17 MU g^{-1} liver	Iwate, Japan	146
Oncorhynchus keta	Chum salmon	1.53 MU g^{-1} liver;	Iwate, Japan	146

		0.69 MU g^{-1} viscera		
Scarus (= *Ypsiscarus*) *ovifrons*	Knobsnout parrotfish	0.26 MU g^{-1} liver; 1.58 MU g^{-1} intestine	Iwate, Japan	146
Arothron firmamentum	Starry toadfish	740 MU g^{-1} ovary	Japan	197
A. hispidus	White-spotted puffer	Positive STX in liver, muscle, skin, and intestine	Philippines	198
A. mappa	Map puffer	Positive STX in liver, muscle, skin, and intestine	Philippines	198
A. manillensis	Narrow-lined puffer	Positive STX in liver, muscle, skin, and intestine	Philippines	198
A. nigropunctatus	Black spotted puffer	Positive STX in liver, muscle, skin, and intestine	Philippines	198
A. reticularis	Reticulated puffer	Positive STX in liver, muscle, skin, and intestine	Philippines	198
A. stellatus	Starry toadfish	Positive STX in liver, muscle, skin, and intestine	Philippines	198
Chelonodon patoca	Milk-spotted puffer	22.0 MU g^{-1} muscle; 40 MU g^{-1} skin; 12.0 MU g^{-1} liver; 2.8 MU g^{-1} ovary (data shown as mean)	Bangladesh	199
		Positive STX in liver, muscle, skin, and intestine	Philippines	198
Colomesus asellus	Amazon puffer	53.2 MU whole body	Brazil	200
Takifugu pardalis	Panther puffer	Positive for STX in liver	Japan	201
T. poecilonotus	Fine patterned puffer	Positive for STX in liver, ovary and digestive tract	Japan	202
T. radiates	Puffer	Positive for STX in liver	Japan	202
T. vermicularis	Purple puffer	Positive for STX in liver, ovary and digestive tract	Japan	202
Tetraodon cutcutia	Ocellated puffer	7.6 MU g^{-1} muscle; 20 MU g^{-1} skin; 6.0 MU g^{-1} liver; 5.6 MU g^{-1} ovary (data shown as mean)	Thailand	199
		182 MU 100 g^{-1} skin; 238 MU 100 g^{-1} muscle; 106 MU 100 g^{-1} liver	Bangladesh	203
T. cochinchinensis (as *T. fangi*)	Puffer	Positive for STX whole body	Thailand	204
T. suvatii	Arrowhead puffer	191 MU g^{-1} muscle; 230 MU g^{-1} skin; 174 MU g^{-1} liver; 117 MU g^{-1} egg	Thailand	205
T. turgidus	Brown puffer	<2 MU g^{-1} muscle; 37 MU g^{-1} skin; <2 MU g^{-1} liver; 27 MU g^{-1} ovary	Cambodia	206

* MU = mouse units (1MU = 0.18 μgSTX)