

Table S1. Salinity sensitivity data ($\mu\text{S}/\text{cm}$ @ 25°C) collected from Israel.

Taxa	Order	Water body	Salinity at collection ($\mu\text{S}/\text{cm}$)	72h LC_{50} ($\mu\text{S}/\text{cm}$)	No. of Specimen \times replicates
<i>Laccophilus minutus</i>	Coleoptera	Avi'el	1020	58200	10 \times 3
<i>Agabus biguttatus</i>	Coleoptera	Tut	590	50000	12 \times 3
<i>Hydrochara dichromata</i>	Coleoptera	Hadera	938	47300	13 \times 1
<i>Berosus dispar</i>	Coleoptera	Ga'ash	402	42000	10 \times 3
<i>Haliptus lineatocollis</i>	Coleoptera	Avi'el	1007	41500	12 \times 3
<i>Echinogammarus foxi</i>	Amphipoda	Avi'el	1007	41250	15 \times 3
<i>Platycnemis sp.</i>	Odonata	Avi'el	1020	40800	12 \times 3
<i>Pseudagrion sp.</i>	Odonata	Avi'el	1020	36600	15 \times 3
Hydracarina -adult	Acari	Ga'ash	350	35700	12 \times 2
<i>Gammarus syriacus</i>	Amphipoda	HaShofet	679	31800	20 \times 3
<i>Lestes virens</i>	Odonata	Hadera	874	30400	16 \times 1
<i>Lestes barbarus</i>	Odonata	Hadera	874	29500	12 \times 1
<i>Culex pipiens</i>	Diptera	Hadera	938	28900	15 \times 3
<i>Melanopsis buccinoidea</i>	Archaeogastropoda	Zuqim	6500	28800	20 \times 1
Hydracarina -young	Acari	Ga'ash	402	28000	13 \times 2
<i>Melanopsis buccinoidea</i>	Archaeogastropoda	Hermon	433	25100	26 \times 1
<i>Culiseta longiareolata</i>	Diptera	Tel-Aviv	1005	25000	15 \times 3
<i>Theodoxus michonii</i>	Archaeogastropoda	Zuqim	6518	23000	20 \times 1
<i>Notonecta maculata</i>	Hemiptera	HaShofet	671	22800	10 \times 3
<i>Laccophilus minutus</i> -larva	Coleoptera	Avi'el	1034	22200	7 \times 3
<i>Chironomus sp.</i>	Diptera	Hadera	874	21100	8 \times 3
<i>Cloeon dipterum</i>	Ephemeroptera	Dora	470	20000	14 \times 2
<i>Theodoxus michonii</i>	Archaeogastropoda	Hermon	334	19700	25 \times 1
<i>Anisops sp.</i>	Hemiptera	Dora	470	18400	14 \times 3
Ostracoda	Ostracoda	Ga'ash	413	13300	10 \times 3
<i>Caenis sp.</i>	Ephemeroptera	Avi'el	1034	12900	16 \times 3
<i>Hydropsyche sp.</i>	Trichoptera	Divsha	334	12800	10 \times 2
<i>Hydroptila sp.</i>	Trichoptera	Avi'el	1034	12400	10 \times 2
<i>Cyzicus sp.</i>	Branchiopoda	Hadera	938	12100	7 \times 3
<i>Physella acuta</i>	Archaeogastropoda	Ga'ash	413	12000	12 \times 3
<i>Gyraulus ehrenbergi</i>	Archaeogastropoda	Avi'el	1020	12000	7 \times 3
<i>Hydropsyche sp.</i>	Trichoptera	Avi'el	1034	11800	7 \times 3
<i>Baetis sp.</i>	Ephemeroptera	Avi'el	1036	10300	13 \times 2
<i>Chirocephalus neumanni</i>	Branchiopoda	Hadera	938	9500	20 \times 1
Ostracoda	Ostracoda	Ga'ash	350	8800	12 \times 3
<i>Daphnia magna</i>	Branchiopoda	Ga'ash	350	8400	20 \times 3
<i>Daphnia curvirostris</i>	Branchiopoda	Hadera	874	8250	25 \times 3
<i>Simulium sp.</i>	Diptera	HaShofet	679	8000	10 \times 1
<i>Daphnia magna</i>	Branchiopoda	Ga'ash	413	7000	20 \times 3
<i>Baetis sp.</i>	Ephemeroptera	Divsha	334	3800	10 \times 2
<i>Berosus dispar</i> -larva	Coleoptera	Ga'ash	420	2200	10 \times 1
<i>Berosus dispar</i> -eggs	Coleoptera	Ga'ash	420	1800	10 \times 1