

Appendix S1. William J. Resetarits Jr., Tyler M. Breech, Jason R. Bohenek, and Matthew R. Pintar. Cue reduction or general cue masking do not underlie generalized chemical camouflage in pirate perch. *Ecology*.

Table S1. Species list.

Density/Biomass Experiment 1

| Species | Family | Abundance |
|----------------------------------|---------------|------------------|
| <i>Tropisternus lateralis</i> | Hydrophilidae | 230 |
| <i>Laccophilus proximus</i> | Dytiscidae | 120 |
| <i>Paracymus</i> | Hydrophilidae | 118 |
| <i>Copelatus glyphicus</i> | Dytiscidae | 111 |
| <i>Berosus infuscatus</i> | Hydrophilidae | 104 |
| <i>Laccophilus fasciatus</i> | Dytiscidae | 93 |
| <i>Neobidessus pullus</i> | Dytiscidae | 61 |
| <i>Enochrus ochraceus</i> | Hydrophilidae | 29 |
| <i>Notonecta irrorata</i> | Notonectidae | 30 |
| <i>Uvarus granarius</i> | Dytiscidae | 19 |
| <i>Tropisternus collaris</i> | Hydrophilidae | 13 |
| <i>Berosus striatus</i> | Hydrophilidae | 10 |
| <i>Rhantus calidus</i> | Dytiscidae | 9 |
| <i>Thermonectus basillaris</i> | Dytiscidae | 8 |
| <i>Copelatus chevrolati</i> | Dytiscidae | 6 |
| <i>Sigara</i> | Corixidae | 6 |
| <i>Acilius mediatius</i> | Dytiscidae | 4 |
| <i>Desmopachria convexa</i> | Dytiscidae | 4 |
| <i>Berosus peregrinus</i> | Hydrophilidae | 3 |
| <i>Helochares maculicollis</i> | Hydrophilidae | 3 |
| <i>Peltodytes muticus</i> | Haliplidae | 3 |
| <i>Enochrus consors</i> | Hydrophilidae | 2 |
| <i>Enochrus perplexus</i> | Hydrophilidae | 2 |
| <i>Enochrus pygmaeus</i> | Hydrophilidae | 2 |
| <i>Tropisternus blatchleyi</i> | Hydrophilidae | 2 |
| <i>Hesperocorixa</i> | Corixidae | 2 |
| <i>Berosus exiguus</i> | Hydrophilidae | 1 |
| <i>Bidessonotus inconspicuus</i> | Dytiscidae | 1 |
| <i>Copelatus caelatipennis</i> | Dytiscidae | 1 |
| <i>Hydroporus niger</i> | Dytiscidae | 1 |
| <i>Prodaticus bimarginatus</i> | Dytiscidae | 1 |
| Total | | 999 |

Density/Biomass Experiment 2

| Species | Family | Abundance |
|--------------------------------|---------------|------------------|
| <i>Paracymus</i> | Hydrophilidae | 619 |
| <i>Tropisternus collaris</i> | Hydrophilidae | 288 |
| <i>Laccophilus fasciatus</i> | Dytiscidae | 254 |
| <i>Sigara</i> | Corixidae | 231 |
| <i>Hesperocorixa vulgaris</i> | Corixidae | 203 |
| <i>Tropisternus lateralis</i> | Hydrophilidae | 172 |
| <i>Berosus infuscatus</i> | Hydrophilidae | 144 |
| <i>Peltodytes sexmaculatus</i> | Haliplidae | 100 |

| | | |
|------------------------------------|---------------|-------------|
| <i>Notonecta irrorata</i> | Notonectidae | 90 |
| <i>Laccophilus proximus</i> | Dytiscidae | 53 |
| <i>Enochrus ochraceus</i> | Hydrophilidae | 45 |
| <i>Helochares maculicollis</i> | Hydrophilidae | 37 |
| <i>Tropisternus blatchleyi</i> | Hydrophilidae | 32 |
| <i>Hydrochus sp</i> | Hydrochidae | 26 |
| <i>Limnoporeus canaliculatus</i> | Gerridae | 25 |
| <i>Thermonectus basilaris</i> | Dytiscidae | 25 |
| <i>Uvarus lacustris</i> | Dytiscidae | 24 |
| <i>Copelatus glyphicus</i> | Dytiscidae | 16 |
| <i>Hydraena marginicollis</i> | Hydraenidae | 14 |
| <i>Berosus sayi</i> | Hydrophilidae | 13 |
| <i>Desmopachria</i> | Dytiscidae | 13 |
| <i>Berosus exiguus</i> | Hydrophilidae | 12 |
| <i>Buenoa</i> | Notonectidae | 12 |
| <i>Hydroporus rufilabris</i> | Dytiscidae | 12 |
| <i>Bidessonotus inconspicuus</i> | Dytiscidae | 10 |
| <i>Enochrus pygmaeus</i> | Hydrophilidae | 10 |
| <i>Uvarus granarius</i> | Dytiscidae | 10 |
| <i>Ilybius biguttulus</i> | Dytiscidae | 6 |
| <i>Peltodytes muticus</i> | Haliplidae | 6 |
| <i>Hydaticus bimarginatus</i> | Dytiscidae | 6 |
| <i>Hydrochus rugosus</i> | Hydrochidae | 5 |
| <i>Copelatus chevrolati</i> | Dytiscidae | 4 |
| <i>Berosus peregrinus</i> | Hydrophilidae | 3 |
| <i>Notonecta indica</i> | Notonectidae | 3 |
| <i>Mediohantus calidus</i> | Dytiscidae | 3 |
| <i>Helophorus linearis</i> | Helophoridae | 2 |
| <i>Hydrochara soror</i> | Hydrophilidae | 2 |
| <i>Hydrocolus deflatus</i> | Dytiscidae | 2 |
| <i>Neobidessus pullus</i> | Dytiscidae | 2 |
| <i>Thermonectus nigrofasciatus</i> | Dytiscidae | 2 |
| <i>Tropisternus natator</i> | Hydrophilidae | 2 |
| <i>Acilius mediatum</i> | Dytiscidae | 1 |
| <i>Berosus pantherinus</i> | Hydrophilidae | 1 |
| <i>Cymbiodyta chamberlaini</i> | Hydrophilidae | 1 |
| <i>Hydrobiomorpha casta</i> | Hydrophilidae | 1 |
| <i>Ranatra buenoi</i> | Nepidae | 1 |
| Total | | 2543 |

Figure S1. Non-metric multidimensional scaling (NMDS) plots of colonist assemblages with each density/biomass treatment designated by different polygons. **(a)** NMDS plot of all insects and **(b)** beetles only in density/biomass experiment 1 with point shapes indicating different blocks. **(c)** NMDS plot of all insects and **(d)** beetles only in density/biomass experiment 2 with point shapes indicating site. See Results for PERMANOVA and PERMDISP results.

