

Supplemental Appendix 2

Collection numbers for specimens measured in this study. All collections are housed at the Florida Museum of Natural History. Locality number corresponds to the locality list in Appendix 1. In some cases, samples were pooled from multiple collections from the same locality and unit to increase sample sizes.

| Collection no. | Species | Locality | No. of specimens |
|----------------|--------------------------------|----------|------------------|
| 1177 | <i>Americardia media</i> | 1 | 19 |
| 45877 | <i>Americardia media</i> | 1 | 2 |
| 66907 | <i>Americardia media</i> | 1 | 9 |
| 2731 | <i>Americardia media</i> | 19 | 20 |
| 24076 | <i>Americardia media</i> | 19 | 11 |
| 85656 | <i>Anomalocardia caloosana</i> | 14 | 25 |
| 18107 | <i>Anomalocardia caloosana</i> | 13 | 23 |
| 70527 | <i>Anomalocardia auberiana</i> | 14 | 48 |
| 15955 | <i>Armimiltha disciformis</i> | 2 | 1 |
| 16086 | <i>Armimiltha disciformis</i> | 2 | 5 |
| 32707 | <i>Armimiltha disciformis</i> | 2 | 1 |
| 38807 | <i>Armimiltha disciformis</i> | 2 | 9 |
| 38988 | <i>Armimiltha disciformis</i> | 2 | 5 |
| 39262 | <i>Armimiltha disciformis</i> | 2 | 1 |
| 96953 | <i>Armimiltha disciformis</i> | 2 | 1 |
| 24017 | <i>Armimiltha disciformis</i> | 19 | 17 |
| 4184 | <i>Armimiltha disciformis</i> | 16 | 2 |
| 24081 | <i>Armimiltha disciformis</i> | 16 | 8 |
| 26026 | <i>Armimiltha disciformis</i> | 16 | 1 |
| 52579 | <i>Armimiltha disciformis</i> | 16 | 1 |
| 56662 | <i>Armimiltha disciformis</i> | 16 | 6 |
| 97945 | <i>Carditamera arata</i> | 19 | 17 |
| 92300 | <i>Carditamera arata</i> | 12 | 31 |
| 88828 | <i>Carditamera arata</i> | 2 | 20 |
| 48535 | <i>Carditamera floridana</i> | 10 | 13 |
| 729 | <i>Carditamera floridana</i> | 4 | 11 |
| 60696 | <i>Carditamera floridana</i> | 4 | 4 |
| 70501 | <i>Carditamera floridana</i> | 14 | 24 |
| 93977 | <i>Crassinella acuta</i> | 18 | 19 |
| 23845 | <i>Crassinella acuta</i> | 19 | 1 |
| 23898 | <i>Crassinella acuta</i> | 19 | 4 |
| 2684 | <i>Crassinella acuta</i> | 19 | 1 |
| 9983 | <i>Crassinella acuta</i> | 19 | 3 |
| 83813 | <i>Crassinella lunulata</i> | 11 | 14 |
| 15940 | <i>Crassinella lunulata</i> | 2 | 16 |
| 7101 | <i>Dosinia acetabula</i> | 11 | 4 |
| 7592 | <i>Dosinia acetabula</i> | 11 | 2 |
| 78855 | <i>Dosinia acetabula</i> | 11 | 6 |
| 79906 | <i>Dosinia acetabula</i> | 11 | 4 |

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|--------|-----------------------------------|------|----|
| 29698 | <i>Dosinia acetabula</i> | 2 | 1 |
| 110245 | <i>Dosinia acetabula</i> | 2/13 | 10 |
| 36132 | <i>Dosinia elegans</i> | 15 | 2 |
| 36253 | <i>Dosinia elegans</i> | 15 | 1 |
| 36496 | <i>Dosinia elegans</i> | 15 | 1 |
| 36648 | <i>Dosinia elegans</i> | 15 | 2 |
| 40719 | <i>Dosinia elegans</i> | 15 | 2 |
| 40720 | <i>Dosinia elegans</i> | 15 | 4 |
| 41030 | <i>Dosinia elegans</i> | 15 | 3 |
| 44780 | <i>Dosinia elegans</i> | 15 | 2 |
| 29097 | <i>Dosinia elegans</i> | 2/13 | 1 |
| 29787 | <i>Dosinia elegans</i> | 2/13 | 1 |
| 29886 | <i>Dosinia elegans</i> | 2/13 | 1 |
| 30232 | <i>Dosinia elegans</i> | 2/13 | 1 |
| 31053 | <i>Dosinia elegans</i> | 2/13 | 1 |
| 31466 | <i>Dosinia elegans</i> | 2/13 | 1 |
| 31666 | <i>Dosinia elegans</i> | 2/13 | 1 |
| 31694 | <i>Dosinia elegans</i> | 2/13 | 7 |
| 33069 | <i>Dosinia elegans</i> | 2/13 | 3 |
| 33182 | <i>Dosinia elegans</i> | 2/13 | 2 |
| 35145 | <i>Dosinia elegans</i> | 2/13 | 1 |
| 44115 | <i>Dosinia elegans</i> | 2/13 | 1 |
| 100226 | <i>Dosinia elegans</i> | 2/13 | 3 |
| 100227 | <i>Dosinia elegans</i> | 2/13 | 3 |
| 100228 | <i>Dosinia elegans</i> | 2/13 | 9 |
| 7178 | <i>Eucrassatella meridionalis</i> | 11 | 18 |
| 15920 | <i>Eucrassatella meridionalis</i> | 2/13 | 1 |
| 46398 | <i>Eucrassatella meridionalis</i> | 2/13 | 1 |
| 7853 | <i>Eucrassatella meridionalis</i> | 2/13 | 1 |
| 34262 | <i>Eucrassatella meridionalis</i> | 2/13 | 1 |
| 35165 | <i>Eucrassatella meridionalis</i> | 2/13 | 1 |
| 63140 | <i>Eucrassatella meridionalis</i> | 2/13 | 1 |
| 110253 | <i>Eucrassatella meridionalis</i> | 2/13 | 11 |
| 7080 | <i>Eucrassatella speciosa</i> | 11 | 11 |
| 33568 | <i>Eucrassatella speciosa</i> | 2 | 6 |
| 40529 | <i>Eucrassatella speciosa</i> | 2 | 2 |
| 98175 | <i>Eucrassatella speciosa</i> | 2 | 2 |
| 100269 | <i>Eucrassatella speciosa</i> | 2 | 14 |
| 100271 | <i>Eucrassatella speciosa</i> | 2 | 5 |
| 770 | <i>Linga amabilis</i> | 7 | 6 |
| 49334 | <i>Linga amabilis</i> | 7 | 7 |
| 49504 | <i>Linga amabilis</i> | 7 | 4 |
| 49530 | <i>Linga amabilis</i> | 7 | 3 |
| 49575 | <i>Linga amabilis</i> | 7 | 1 |
| 2708 | <i>Linga amabilis</i> | 19 | 14 |
| 24098 | <i>Linga amabilis</i> | 19 | 7 |
| 92354 | <i>Linga amabilis</i> | 12 | 5 |
| 92500 | <i>Linga amabilis</i> | 12 | 9 |
| 35635 | <i>Linga pensylvanica</i> | 3 | 31 |

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|--------|----------------------------------|------|----|
| 35352 | <i>Linga pensylvanica</i> | 6 | 2 |
| 35354 | <i>Linga pensylvanica</i> | 6 | 5 |
| 93027 | <i>Linga pensylvanica</i> | 6 | 14 |
| 59344 | <i>Linga pensylvanica</i> | 4 | 12 |
| 60520 | <i>Linga pensylvanica</i> | 4 | 3 |
| 60533 | <i>Linga pensylvanica</i> | 4 | 6 |
| 60869 | <i>Linga pensylvanica</i> | 4 | 1 |
| 65397 | <i>Linga pensylvanica</i> | 4 | 1 |
| 24047 | <i>Linga pensylvanica</i> | 19 | 19 |
| 79841 | <i>Lirophora latilirata</i> | 11 | 26 |
| 78830 | <i>Lirophora latilirata</i> | 2 | 29 |
| 36030 | <i>Lirophora latilirata</i> | 8 | 11 |
| 56659 | <i>Miltha caloosaensis</i> | 16 | 14 |
| 56660 | <i>Miltha caloosaensis</i> | 16 | 12 |
| 3715 | <i>Miltha caloosaensis</i> | 2/13 | 2 |
| 16048 | <i>Miltha caloosaensis</i> | 2/13 | 2 |
| 16111 | <i>Miltha caloosaensis</i> | 2/13 | 1 |
| 32813 | <i>Miltha caloosaensis</i> | 2/13 | 1 |
| 33392 | <i>Miltha caloosaensis</i> | 2/13 | 2 |
| 33629 | <i>Miltha caloosaensis</i> | 2/13 | 9 |
| 39105 | <i>Miltha caloosaensis</i> | 2/13 | 1 |
| 98170 | <i>Miltha caloosaensis</i> | 2/13 | 2 |
| 23962 | <i>Miltha caloosaensis</i> | 19 | 19 |
| 23963 | <i>Miltha caloosaensis</i> | 19 | 13 |
| 88661 | <i>Mulinia lateralis</i> | 2 | 21 |
| 18191 | <i>Mulinia lateralis</i> | 13 | 35 |
| 48750 | <i>Mulinia lateralis</i> | 9 | 16 |
| 93106 | <i>Mulinia sapotilla</i> | 6 | 39 |
| 16081 | <i>Mulinia sapotilla</i> | 2 | 52 |
| 80617 | <i>Panchione ulocyma</i> | 11 | 24 |
| 100068 | <i>Panchione ulocyma</i> | 11 | 10 |
| 79417 | <i>Panchione ulocyma</i> | 11 | 18 |
| 53610 | <i>Panchione ulocyma</i> | 2 | 10 |
| 78791 | <i>Panchione ulocyma</i> | 2 | 16 |
| 35899 | <i>Panchione ulocyma</i> | 8 | 6 |
| 36043 | <i>Panchione ulocyma</i> | 8 | 2 |
| 90056 | <i>Parvilucina multilineata</i> | 15 | 33 |
| 36040 | <i>Parvilucina multilineata</i> | 8 | 18 |
| 36047 | <i>Parvilucina multilineata</i> | 8 | 5 |
| 88830 | <i>Parvilucina multilineata</i> | 2 | 39 |
| 47616 | <i>Radiolucina waccamawensis</i> | 5 | 10 |
| 47667 | <i>Radiolucina waccamawensis</i> | 5 | 4 |
| 47673 | <i>Radiolucina waccamawensis</i> | 5 | 1 |
| 90071 | <i>Radiolucina waccamawensis</i> | 15 | 33 |
| 16099 | <i>Radiolucina waccamawensis</i> | 2 | 15 |
| 88865 | <i>Radiolucina waccamawensis</i> | 2 | 13 |
| 100522 | <i>Radiolucina waccamawensis</i> | 2 | 10 |
| 60071 | <i>Tellina alternata</i> | 4 | 3 |
| 60208 | <i>Tellina alternata</i> | 4 | 2 |

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|--------|--------------------------------|----|----|
| 60555 | <i>Tellina alternata</i> | 4 | 2 |
| 60889 | <i>Tellina alternata</i> | 4 | 5 |
| 61844 | <i>Tellina alternata</i> | 4 | 4 |
| 62190 | <i>Tellina alternata</i> | 4 | 1 |
| 62434 | <i>Tellina alternata</i> | 4 | 1 |
| 62776 | <i>Tellina alternata</i> | 4 | 2 |
| 62813 | <i>Tellina alternata</i> | 4 | 1 |
| 62846 | <i>Tellina alternata</i> | 4 | 3 |
| 14157 | <i>Tellina alternata</i> | 19 | 1 |
| 24267 | <i>Tellina alternata</i> | 19 | 10 |
| 58055 | <i>Tellina alternata</i> | 19 | 2 |
| 59271 | <i>Tellina alternata</i> | 19 | 2 |
| 14777 | <i>Tellina strictolineata</i> | 4 | 1 |
| 60237 | <i>Tellina strictolineata</i> | 4 | 2 |
| 60554 | <i>Tellina strictolineata</i> | 4 | 6 |
| 60894 | <i>Tellina strictolineata</i> | 4 | 3 |
| 61208 | <i>Tellina strictolineata</i> | 4 | 1 |
| 62845 | <i>Tellina strictolineata</i> | 4 | 2 |
| 24061 | <i>Trachycardium emmonsi</i> | 19 | 8 |
| 24096 | <i>Trachycardium emmonsi</i> | 19 | 14 |
| 59956 | <i>Trachycardium emmonsi</i> | 4 | 4 |
| 60491 | <i>Trachycardium emmonsi</i> | 4 | 1 |
| 62888 | <i>Trachycardium emmonsi</i> | 4 | 1 |
| 65364 | <i>Trachycardium emmonsi</i> | 4 | 1 |
| 86998 | <i>Trachycardium muricatum</i> | 15 | 7 |
| 2735 | <i>Trachycardium muricatum</i> | 19 | 15 |
| 18181 | <i>Transennella caloosana</i> | 13 | 27 |
| 2756 | <i>Transennella conradina</i> | 19 | 12 |
| 89167 | <i>Transennella conradina</i> | 2 | 8 |
| 100544 | <i>Transennella conradina</i> | 2 | 8 |
| 91214 | <i>Trigoniocardia willcoxi</i> | 17 | 6 |
| 92195 | <i>Trigoniocardia willcoxi</i> | 17 | 2 |
| 23665 | <i>Trigoniocardia willcoxi</i> | 19 | 9 |
| 60047 | <i>Trigoniocardia willcoxi</i> | 19 | 3 |
| 98108 | <i>Trigoniocardia willcoxi</i> | 19 | 11 |