**Supporting Information**

**Appendix A**

**Table A.1**

Plant species included in our personal reference database used in BLAST searches performed in the metabarcoding analysis, with their respective GenBank accession numbers. All species listed here are encountered in areas where the target herbivores (southern screamer, sheep and cattle) were sampled on the southern Brazilian coastal plain. Sequences obtained during the present study are underlined.

|  |  |  |
| --- | --- | --- |
| **Family** | **Plant species** | **GenBank accession numbers** |
| Asteraceae | *Ambrosia tenuifolia* | MH985562 |
| Araliaceae | *Hydrocotyle bonariensis* | MT263960 |
|  | *Lilaeopsis brasiliensis* | MT263964 |
|  | *Bacharis trimera* | MT263957 |
| Campanulaceae | *Lobelia hederaceae* | MT263969 |
| Cyperaceae | *Cyperus luzulae* | MT263970 |
|  | *Eleocharis bonariensis* | MT263953 |
|  | *Eleocharis palustris* | KC584961 |
|  | *Eleocharis* sp. | MT263959 |
| Fabaceae | *Desmodium* sp. | MT263967 |
|  | *Trifolium repens* | MT263950 |
|  | *Trifolium polymorphum* | MT263952 |
| Plantaginaceae | *Plantago* sp. | MT263961 |
| Poaceae | *Calamagrostis* sp. | MT263955 |
|  | *Cynodon dactylon* | MT263956 |
|  | *Echinochloa* sp. | KR048646 |
|  | *Luziola peruviana* | MT263962 |
|  | *Leersia hexandra* | MT263963 |
|  | *Lolium perene* | MT263951 |
|  | *Paspalum notatum* | MT263965 |
|  | *Paspalum distichum* | MT263968 |
|  | *Paspalum vaginatum* | AY69149 |
|  | *Paspalum* sp. | MT263954 |
|  | *Polygonum* sp. | MT263966 |
|  | *Setaria geniculata* | MF143749 |
| Pontederiaceae | *Eichhornia crassipes* | MT263958 |
| Verbenaceae | *Phyla nodiflora* | MF064938 |

**Table A.2**

Isotopic values of blood and faeces from the southern screamer, cattle and sheep and their potential food items as determined through SIA for samples collected on the southern Brazilian coastal plain.

|  |  |  |  |
| --- | --- | --- | --- |
| **Consumers** | **Sample** | ***δ*13C** | ***δ*15N** |
| Cattle | Blood (*n* = 43) | -18.36 ± 0.87 | 7.76 ± 0.7 |
|  | Faeces (*n* = 15) | -21.87 ± 2.41 | 5.66 ± 1.43 |
| Southern Screamer | Blood (*n* = 49) | -26.87 ± 0.96 | 6.97 ± 1.61 |
|  | Faeces (*n* = 41) | -28.09 ± 1.56 | 5.11 ± 1.86 |
| Sheep | Blood (*n* = 19) | -20.48 ± 1.51 | 9.02 ± 0.56 |
|  | Faeces (*n* = 19) | -22.31 ± 2.26 | 5.36 ± 0.83 |
| Food itens |  |  |  |
| Aquatic plants | Leaf (*n* = 2) | -28.55 ± 0.08 | 7.81 ± 2.33 |
|  | *Eichhornia crassipes* |  |  |
|  | *Hydrocotyle bonariensis* |  |  |
| C3 Grass | Leaf (*n* = 4) | -29.17 ± 0.51 | 5.37 ± 2.09 |
|  | *Luziola peruviana* |  |  |
|  | *Lobelia hederacea* |  |  |
|  | *Calamagrostis* sp. |  |  |
|  | *Leersia* sp. |  |  |
| C4 Grass | Leaf (*n* = 2) | -13.55 ± 0.45 | 7.97 ± 3.32 |
|  | *Paspalum* sp. |  |  |
|  | *Cynodon dactylon* |  |  |
| Legume | Leaf (*n* = 2) | -30.03 ± 0.46 | -0.81 ± 0.80 |
|  | *Trifolium repens* |  |  |
|  | *Trifolium polymorphum* |  |  |
| Sedges | Leaf (*n* = 3) | -29.74 ± 0.41 | 7.81 ± 1.81 |
|  | *Eleocharis* *bonariensis* |  |  |
|  | *Eleocharis* sp. 2 |  |  |
|  | *Eleocharis* sp. 3 |  |  |

**Table A.3**

Contribution of different food items for each herbivorous species (southern screamer, sheep and cattle) sampled on the southern Brazilian coastal plain as measured by the faecal isotope mixing models (95% credibility intervals). These values were further used to calculate the interactions and dietary partitioning among herbivores through network analysis.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Sedges | C4 Grass | C3 Grass | Legume | Aquatic plants |
| Southern screamer | 0 – 0.2 | 0 – 0.7 | 0 – 0.3 | 0.5 – 0.7 | 0 – 0.2 |
| Sheep | 0 – 0.4 | 0.1 – 0.3 | 0 – 0.5 | 0 – 0.2 | 0 – 0.3 |
| Cattle | 0 – 0.4 | 0 – 0.7 | 0 – 0.3 | 0.5 – 0.7 | 0 – 0.2 |

**Table A.4**

Contribution of different species or groups of plants in the diet of the southern screamer, cattle and sheep on the southern Brazilian coastal plain, as determined from microhistological analysis in faecal samples. Frequency of occurrence (FO%), prey-specific numeric contribution (PN%), relative prey-specific proportion in the area of each fragment (PA%) and the prey-specific relative importance index (%PSIRI). Most important items by %PSIRI are presented in bold.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Food itens |  | Southern Screamer (*n* = 32) | | | | Cattle (*n* =16) | | | | Sheep (*n* =16) | | | |
| Functional group | FO% | PN% | PA% | %PSIRI | FO% | PN% | PA% | %PSIRI | FO% | PN% | PA% | %PSIRI |
| **Monocotyledoneae** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Agrostis montevidensis* Spreng. | Grass |  |  |  |  | 12.5 | 2.2 | 4.6 | 0.4 | 18.8 | 1.3 | 1.2 | 0.2 |
| *Calamagrostis* sp. | Grass | 2.9 | 0.2 | 0.6 |  | 6.25 | 0.2 | 0.3 |  | 6.2 | 0.4 | 0.5 |  |
| *Cynodon dactylon* (L.) Pers. | Grass |  |  |  |  | 37.5 | 6.4 | 7.0 | 2.5 | 31.3 | 1.0 | 1.3 | 0.3 |
| *Echinocloa polystachia* (Kunt) Hitchc. | Grass | 8.8 | 1.6 | 7.3 | 0.4 | 50.0 | 1.3 | 1.6 | 0.7 | 25 | 5.1 | 5.1 | 1.2 |
| *Eleocharis* sp. | Sedges | 58.8 | 3.2 | 7.1 | 3.0 | 93.7 | 32.9 | 33.3 | **31.06** | 100 | 35.6 | 35.4 | **35.5** |
| *Eragrostis* sp. | Grass | 2.9 | 0.6 | 0.3 |  |  |  |  |  |  |  |  |  |
| *Leersia hexandra* Sw. | Grass | 5.9 | 4.3 | 10.1 | 0.4 | 56.2 | 15.7 | 10.3 | 7.3 | 56. | 12.8 | 11.2 | 6.7 |
| *Lolium perenne* | Grass | 2.9 | 0.1 |  |  |  |  |  |  | 6.2 | 2.4 | 2.4 | 0.1 |
| *Luziola peruviana* Juss. Ex J.F.Gmel. | Grass |  |  |  |  | 43.7 | 33.0 | 30.7 | 14.0 | 43.8 | 16.0 | 13.4 | 6.4 |
| *Oryza* sp. | Grass |  |  |  |  | 18.7 | 51.5 | 51.2 | 9.6 |  |  |  |  |
| *Panicum* sp. | Grass | 11.7 | 1.1 | 7.03 | 0.5 | 18.7 | 0.7 | 1.1 | 0.2 | 12.5 | 1.1 | 1.1 | 0.1 |
| *Paspalidium paludivagum* (Hitchc. & Chase) Parodi | Grass | 2.9 | 1.2 | 1.1 |  | 12.5 | 3.3 | 1.6 | 0.3 | 25 | 1.2 | 1.5 | 0.3 |
| *Paspalum distichum* L. | Grass |  |  |  |  | 12.5 | 3.3 | 3.6 | 0.4 | 12.5 | 11.9 | 12.4 | 1.5 |
| *Paspalum vaginatum* Sw. | Grass |  |  |  |  | 18.7 | 2.0 | 1.8 | 0.3 | 25 | 5.8 | 6.4 | 2.3 |
| *Paspalum* sp. | Grass |  |  |  |  | 75 | 6.1 | 7.3 | 5.0 | 43.8 | 5.9 | 6.2 | 2.6 |
| *Polypogon chilensis* (Kunth) Pilg. | Grass | 2.9 | 1.2 | 7.2 | 0.1 | 12.5 | 0.4 | 0.8 | 1.0 | 18.8 | 3.5 | 4.0 | 0.7 |
| *Setaria geniculata* (Lam.) P.Beanv. | Grass | 2.9 | 0.5 | 1.1 | 0.02 |  |  |  |  | 12.5 | 2.2 | 1.9 | 0.2 |
| Cyperaceae | Sedges | 26.5 | 2.1 | 4.5 | 0.8 | 68.7 | 1.1 | 1.3 | 0.8 | 62.5 | 7.4 | 7.7 | 4.7 |
| Unidentified Poaceae | Grass | 85.3 | 10.2 | 17.1 | 11.7 | 100 | 21.3 | 21.6 | **21.5** | 100 | 31.2 | 31.8 | **31.6** |
| Unidentified Monocotyledoneae |  | 26.5 | 1.3 | 1.8 | 0.4 | 18.7 | 2.9 | 2.8 | 0.5 | 31.3 | 4.3 | 3.5 | 1.2 |
| **Eudicotyledoneae** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ambrosia tenuifolia* Spreng. | Forb | 11.7 | 1.1 | 9.8 | 0.6 | 12.5 | 2.2 | 4.6 | 0.4 |  |  |  |  |
| *Ecripta prostata* (L.) | Forb | 2.9 |  |  |  |  |  |  |  |  |  |  |  |
| *Eichhornia* sp. | Forb | 14.7 | 24.3 | 53.6 | 5.7 | 6.2 | 0.3 | 0.2 |  |  |  |  |  |
| *Phyla nodiflora* (L.) Greene. | Forb | 23.5 | 2.4 | 11.9 | 1.7 | 6.2 | 0.1 | 0.1 |  | 18.7 | 3.3 | 2.2 | 0.5 |
| *Salpichroa* sp. | Shrub | 5.8 | 0.9 | 4.3 | 0.1 |  |  |  |  |  |  |  |  |
| *Solanum* sp. | Shrub |  |  |  |  | 6.2 | 9.0 | 5.0 | 0.4 | 12.5 | 8.3 | 8.2 | 1.0 |
| *Trifolium repens* L. | Legume | 52.9 | 30.4 | 53.0 | **22.1** | 6.2 | 0.3 | 0.2 |  | 6.2 | 5.1 | 4.5 | 0.3 |
| Solanaceae | Shrub | 2.9 | 0.1 | 0.8 |  | 6.2 | 0.5 | 0.3 | 1 |  |  |  |  |
| Unidentified Eudicotyledoneae |  | 97 | 6.80 | 40.2 | **52.5** | 62.5 | 5.4 | 4.6 | 3.1 | 75 | 1.4 | 1.3 | 1.0 |

**Table A.5**

Main plant families and species identified in faecal samples of the southern screamer, cattle and sheep on the southern Brazilian coastal plain and their respective relative read abundance (RRA) as determined through metabarcoding analysis. Most important plant families identified by RRA are presented in bold.

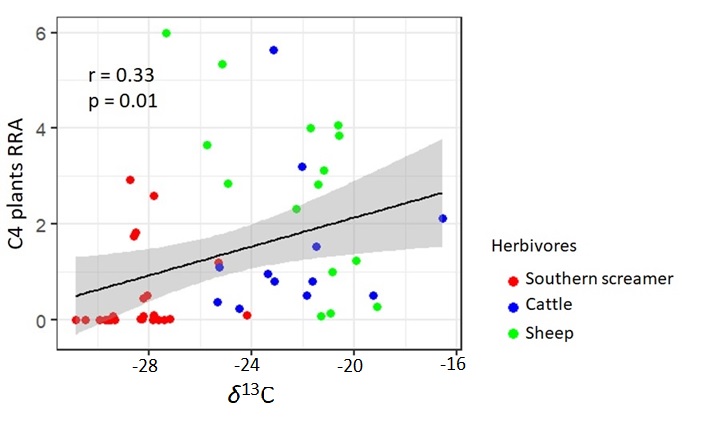
|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Read identification** | |  | **Relative Read Abundance per family** | | | | | |
| **Family** | **Main species identified** |  | **Southern screamer**  **(*n* = 26)** | | **Sheep**  **(*n* = 15)** | | **Cattle**  **(*n* = 12)** | |
| Araliaceae | *Hydrocotyle bonariensis* | 8.59 | | 0.40 | | 0.55 | |
| Asteraceae | *Conyza* sp. | 7.80 | | 3.39 | | **33.96** | |
|  | *Enydra* sp. |  | |  | |  | |
| Boraginaceae | *Heliotropium* sp. | 1.32 | | 1.98 | | 0.01 | |
| Campanulaceae | *Lobelia hederacea* | 2.60 | | 0.55 | | 1.07 | |
| Caryophylaceae | *Stellaria media* | 2.26 | | 1.33 | | 0.03 | |
| Fabaceae | *Trifolium repens* | **14.85** | | 6.44 | | 9.45 | |
|  | *Trifolium polymorphum* |  | |  | |  | |
| Onagraceae | *Ludwigia grandiflora* | 11.21 | | **38.60** | | 10.58 | |
| Plantaginaceae | *Plantago* sp. | 4.34 | | 0.37 | | 1.11 | |
| Poaceae | *Lolium perenne* | **25.22** | | 3.82 | | 14.21 | |
|  | *Luziola peruviana* |  | |  | |  | |
| Polygonaceae | *Polygonum* sp. | 3.51 | | 0.23 | | 3.16 | |
| Verbenaceae | *Phyla nodiflora* | 1.79 | | **39.11** | | **19.10** | |
| Others |  | 16.51 | | 3.78 | | 6.77 | |

**Table A.6**

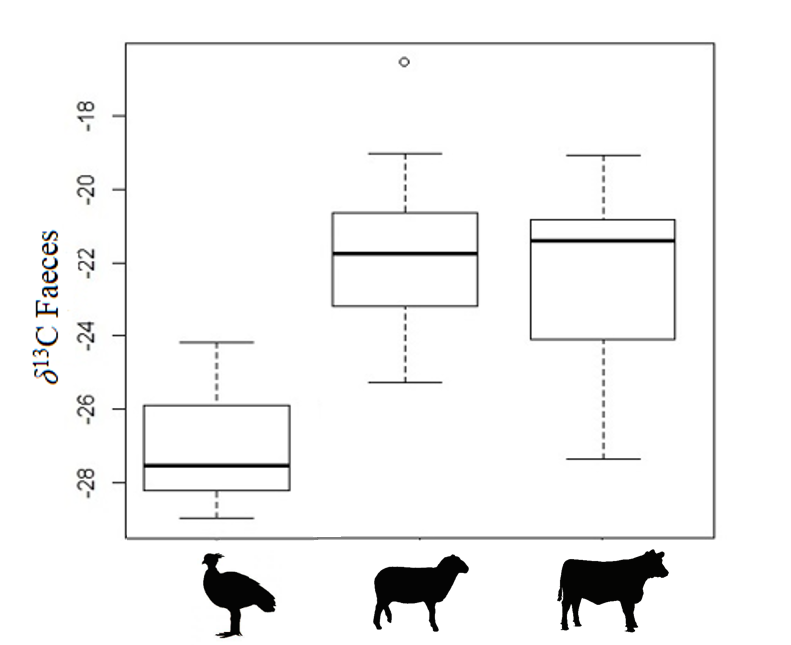
Food items identified at the species or genus level in faecal samples of the southern screamer, cattle and sheep on the southern Brazilian coastal plain and their respective relative read abundance (RRA) as determined through metabarcoding analysis.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Read identification** | | |  | **Relative Read Abundance** | | |
| **Family** | **Plant functional group** | **Food itens** |  | **Southern screamer**  **(*n* = 26)** | **Cattle**  **(*n* = 12)** | **Sheep**  **(*n* = 15)** |
| Acacieae | Legume | *Acacia* sp. |  | 0.04 |  | 0.01 |
| Sapindaceae | Shrub | *Allophylus psilospermus* |  |  |  | 0.01 |
| Amaranthaceae | Forb | *Alternanthera philoxeroides* |  | 0.28 |  | 0.02 |
| Amaranthaceae | Forb | *Amaranthus* sp. |  |  |  | 0.04 |
| Asteraceae | Forb | *Ambrosia tenuifolia* |  |  | 0.16 | 0.01 |
| Primulaceae | Forb | *Anagallis* sp. |  |  | 0.09 | 0.06 |
| Azollaceae/Salviniaceae | Forb | *Azolla caroliniana* |  | 0.27 |  |  |
| Azollaceae/Salviniaceae | Forb | *Azolla mexicana* |  | 2.15 | 0.03 | 0.01 |
| Asteraceae | Shrub | *Baccharis* sp. |  |  | 0.22 | 0.02 |
| Betulaceae | Tree | *Betula* sp. |  |  | 0.21 |  |
| Poaceae | Grass | *Calamagrostis* sp. |  | 0.52 | 0.23 | 0.01 |
| Caryophyllaceae | Forb | *Cerastium* sp. |  | 0.01 | 0.02 |  |
| Asteraceae | Forb | *Conyza bonariensis* |  |  | 0.89 | 0.02 |
| Asteraceae | Forb | *Conyza sumatrensis* |  | 2.75 | 14.17 | 0.08 |
| Asteraceae | Forb | *Cotula* sp. |  | 0.01 |  |  |
| Cucurbitaceae | Forb | *Cucumis melo* |  | 0.17 |  |  |
| Cucurbitaceae | Forb | *Cucurbita* sp. |  |  | 0.49 | 0.05 |
| Poaceae | Grass | *Cynodon dactylon* |  | 0.02 | 0.61 | 0.08 |
| Cyperaceae | Sedges | *Cyperus* sp. |  | 0.01 | 0.10 | 0.02 |
| Thymelaeaceae | Shrub | *Daphnopsis* sp. |  |  | 0.03 |  |
| Fabaceae | Legume | *Desmodium adscendens* |  |  | 0.05 | 0.02 |
| Fabaceae | Legume | *Desmodium styracifolium* |  | 0.06 | 0.41 | 0.08 |
| Fabaceae | Legume | *Desmodium* sp. |  | 0.44 | 6.92 | 1.99 |
| Poaceae | Grass | *Dichanthelium boscii* |  |  | 0.04 |  |
| Convolvulaceae | Forb | *Dichondra repens* |  |  |  | 0.14 |
| Poaceae | Grass | *Digitaria sanguinalis* |  |  | 0.11 | 0.02 |
| Poaceae | Grass | *Echinochloa* sp. |  |  | 0.02 |  |
| Pontederiaceae | Forb | *Eichhornia crassipes* |  | 2.17 | 0.39 | 0.15 |
| Asteraceae | Forb | *Eclipta prostrata* |  | 0.29 | 2.75 | 0.16 |
| Cyperaceae | Sedges | *Eleocharis* sp. |  | 0.08 | 0.10 | 0.01 |
| Asteraceae | Forb | *Enydra sessilis* |  | 0.08 | 11.85 | 0.53 |
| Asteraceae | Forb | *Erechtites hieraciifolius* |  |  | 0.01 |  |
| Asteraceae | Forb | *Erechtites valerianifolius* |  |  | 1.43 | 0.01 |
| Asteraceae | Forb | *Erigeron sumatrensis* |  |  | 0.02 |  |
| Myrtaceae | Tree | *Eucalyptus* sp. |  |  | 1.08 | 0.05 |
| Verbenaceae | Forb | *Glandularia bipinnatifida* |  |  | 0.18 | 0.01 |
| Fabaceae | Legume | *Glycine max* |  | 0.03 |  |  |
| Boraginaceae | Forb | *Heliotropium filiforme* |  |  |  | 0.01 |
| Boraginaceae | Forb | *Heliotropium pilosum* |  | 0.48 | 0.01 | 0.93 |
| Boraginaceae | Forb | *Heliotropium procumbens* |  | 0.84 |  | 1.05 |
| Pontederiaceae | Forb | *Heteranthera reniformis* |  | 0.32 |  |  |
| Araliaceae | Forb | *Hydrocotyle verticillata* |  | 1.89 | 0.08 | 0.08 |
| Araliaceae | Forb | *Hydrocotyle vulgaris* |  | 0.03 |  |  |
| Araliaceae | Forb | *Hydrocotyle bonariensis* |  | 6.77 | 0.46 | 0.33 |
| Asteraceae | Forb | *Hypochaeris incana* |  | 0.05 | 1.00 | 2.31 |
| Hypoxidaceae | Forb | *Hypoxis leptocarpa* |  |  | 0.01 | 0.07 |
| Aquafoliaceae | Shrub/Tree | *Ilex paraguariensis* |  | 0.03 | 0.06 |  |
| Isoetaceae | Graminoid | *Isoetes engelmannii* |  | 0.03 | 0.02 | 0.05 |
| Juglandaceae | Tree | *Juglans sigillata* |  | 0.15 |  |  |
| Juncaceae | Rushes | *Juncus* sp. |  |  | 1.91 | 2.14 |
| Poaceae | Grass | *Koeleria capensis* |  | 0.19 | 1.46 | 0.52 |
| Cyperaceae | Sedges | *Kyllinga brevifolia* |  |  | 0.18 | 0.07 |
| Cyperaceae | Sedges | *Kyllinga polyphylla* |  |  | 0.24 | 0.07 |
| Asteraceae | Forb | *Lactuca* sp. |  | 0.01 |  |  |
| Asteraceae | Forb | *Laggera alata* |  |  | 0.03 |  |
| Polypodiaceae | Forb | *Lepisorus oligolepidus* |  |  | 0.04 | 0.01 |
| Poaceae | Grass | *Leersia hexandra* |  |  | 0.32 | 0.08 |
| Apiaceae | Forb | *Lilaeopsis* sp. |  | 0.84 | 0.26 | 0.05 |
| Campanulaceae | Forb | *Lobelia hederacea* |  | 2.70 | 1.07 | 0.55 |
| Poaceae | Grass | *Lolium multiflorum* |  |  |  | 0.01 |
| Poaceae | Grass | *Lolium perenne* |  | 0.05 | 0.17 | 0.44 |
| Onagraceae | Forb | *Ludwigia adscendens* |  |  | 0.05 | 0.01 |
| Onagraceae | Forb | *Ludwigia grandiflora* |  | 11.38 | 10.53 | 38.59 |
| Poaceae | Grass | *Luziola peruviana* |  | 25.18 | 5.62 | 0.82 |
| Fabaceae | Legume | *Medicago ruthenica* |  | 0.10 | 0.47 | 0.14 |
| Cucurbitaceae | Forb | *Melothria pendula* |  |  | 0.28 |  |
| Asteraceae | Forb | *Mikania glomerata* |  |  | 0.09 |  |
| Asteraceae | Forb | *Mikania laevigata* |  |  | 0.52 |  |
| Asteraceae | Forb | *Mikania micrantha* |  |  | 0.04 | 0.01 |
| Haloragaceae | Forb | *Myriophyllum aquaticum* |  | 4.05 | 0.05 | 0.01 |
| Haloragaceae | Forb | *Myriophyllum robustum* |  | 3.80 |  |  |
| Poaceae | Grass | *Oplismenus burmannii* |  |  |  | 0.05 |
| Poaceae | Grass | *Oryza sativa* |  | 0.01 | 0.13 |  |
| Oxalidaceae | Forb | *Oxalis articulata* |  | 0.01 |  | 0.08 |
| Oxalidaceae | Forb | *Oxalis gyrorhiza* |  |  | 0.01 | 0.02 |
| Poaceae | Grass | *Panicum* sp. |  | 0.02 | 0.29 | 0.29 |
| Poaceae | Grass | *Paspalum dilatatum* |  |  | 3.34 | 0.66 |
| Poaceae | Grass | *Paspalum distichum* |  |  | 0.50 | 0.15 |
| Poaceae | Grass | *Paspalum thunbergii* |  |  | 0.79 | 0.30 |
| Passifloraceae | Forb | *Passiflora caerulea* |  |  |  | 0.02 |
| Polygonaceae |  | Polygonaceae |  | 2.21 | 2.18 | 0.22 |
| Fabaceae | Legume | *Phaseolus coccineus* |  | 4.38 | 0.55 | 0.71 |
| Verbenaceae | Forb | *Phyla dulcis* |  | 0.97 | 9.72 | 20.32 |
| Verbenaceae | Forb | *Phyla nodiflora* |  | 0.84 | 8.85 | 18.77 |
| Pinaceae | Tree | *Pinus pseudostrobus* |  | 0.11 |  |  |
| Plantaginaceae | Forb | *Plantago depressa* |  |  | 0.11 | 0.06 |
| Plantaginaceae | Forb | *Plantago* sp. |  | 4.54 | 0.99 | 0.31 |
| Poaceae | Grass | *Poa annua* |  | 0.01 | 0.01 | 0.08 |
| Polygonaceae | Forb | *Polygonum orientale* |  |  | 0.02 |  |
| Polygonaceae | Forb | *Polygonum paraguayense* |  |  | 0.03 |  |
| Polygonaceae | Forb | *Polygonum* sp. |  | 1.33 | 0.93 | 0.01 |
| Potamogetonaceae | Forb | *Potamogeton* sp. |  |  |  | 0.01 |
| Rubiaceae | Forb | *Richardia scabra* |  |  | 0.32 | 0.04 |
| Polygonaceae | Forb | *Rumex sanguineus* |  |  | 0.01 |  |
| Rhamnaceae | Forb | *Scutia buxifolia* |  |  | 0.06 |  |
| Asteraceae | Forb | *Senecio chilensis* |  |  | 0.08 |  |
| Asteraceae | Forb | *Senecio flavus* |  |  | 0.12 |  |
| Asteraceae | Forb | *Senecio macranthus* |  |  | 0.07 |  |
| Fabaceae | Legume | *Sesbania punicea* |  |  | 0.02 |  |
| Poaceae | Grass | *Setaria pumila* |  | 0.02 | 0.24 | 0.02 |
| Poaceae | Grass | *Setaria parviflora* |  | 0.01 | 0.34 | 0.28 |
| Malvaceae | Forb | *Sida spinosa* |  |  | 0.06 | 0.20 |
| Solanaceae | Shrub | *Solanum berthaultii* |  | 0.12 |  | 0.06 |
| Solanaceae | Shrub | *Solanum commersonii* |  | 0.07 |  | 0.04 |
| Solanaceae | Shrub | *Solanum tuberosum* |  | 0.07 |  | 0.10 |
| Asteraceae | Forb | *Soliva anthemifolia* |  | 4.56 | 0.09 | 0.23 |
| Asteraceae | Forb | *Soliva sessilis* |  | 0.06 |  |  |
| Asteraceae | Forb | *Sphagneticola calendulacea* |  |  | 0.48 | 0.01 |
| Caryophyllaceae | Forb | *Stellaria media* |  | 2.26 | 0.01 | 1.33 |
| Asteraceae | Forb | *Tetragonotheca repanda* |  |  | 0.04 |  |
| Fabaceae | Legume | *Trifolium repens* |  | 7.45 | 0.85 | 1.46 |
| Fabaceae | Legume | *Trifolium polymorphum* |  | 2.40 | 0.18 | 2.05 |
| Juncaginaceae | Forb | *Triglochin scilloides* |  | 0.01 |  | 0.01 |
| Poaceae | Grass | *Trisetum irazuense* |  | 0.07 |  |  |
| Ulmaceae | Forb | *Ulmus laciniata* |  | 0.06 |  |  |
| Verbenaceae | Forb | *Verbena bonariensis* |  |  | 0.15 |  |
| Verbenaceae | Forb | *Verbena officinalis* |  |  | 0.01 |  |
| Verbenaceae | Forb | *Verbena urticifolia* |  |  | 0.37 | 0.02 |
| Fabaceae | Legume | *Vigna luteola* |  | 0.08 |  |  |
| Fabaceae | Legume | *Vigna oblongifolia* |  | 0.05 |  |  |
| Asteraceae | Forb | *Wedelia tegetis* |  |  | 0.07 |  |

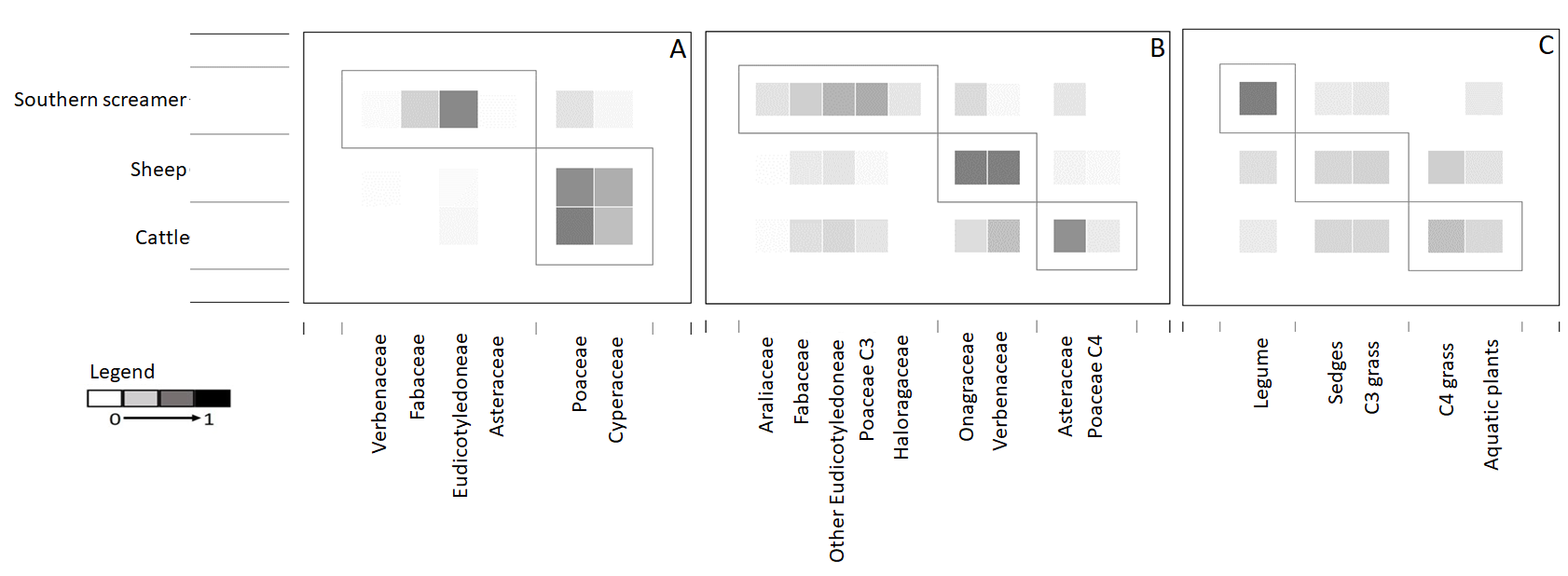
**Appendix B**



**Fig. B.1** Correlation between Relative Read Abudance (RRA) of C4 plants (y-axis) and faecal stable carbon isotope values (x-axis, in ‰). The correlation was calculated based on values of individual samples obtained from southern screamer, cattle and sheep on the southern Brazilian coastal plain.



**Fig. B.2** Differences in δ13C values (‰) inferred from the same faecal samples analysed for microhistological and metabarcoding inferences for the southern screamer, sheep and cattle on the southern Brazilian coastal plain.

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**Fig. B.3** Matrices of bipartite networks among three herbivores, southern screamer, cattle and sheep, on the southern Brazilian coastal plain. (A) Modules generated for the prey-specific index of relative importance (%PSIRI). (B) Modules generated for relative read abundance (RRA). (C) Modules generated for stable isotopes analysis (SIA). Legumes were represented by the genus *Trifolium* sp. whereas *Eichhornia crassipes* and *Hydrocotyle bonariensis* represent aquatic plants