Supplementary Table 3. Stable carbon and nitrogen isotope values for modern plant samples used in calculation of C3 and C4-CAM endmembers.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Scientific Name** | **Common Name** | **Location** | **δ15N vs air (‰)** | **%N** | **δ13C vs VPDB (‰)** | **%C** | **Plant part** | **Date Collected** |
| *Artemisia tridentata* | Big sagebrush | Wasden Site | 4.5 | 2.2 | -29.0 | 41.3 | Ephemeral leaves | June 2011 |
| *Artemisia tridentata* | Big sagebrush | Wasden Site | 3.8 | 2.1 | -30.2 | 41.6 | Ephemeral leaves | June 2011 |
| *Artemisia tridentata* | Big sagebrush | Wasden Site | 5.3 | 2.2 | -29.2 | 42.6 | Ephemeral leaves | June 2011 |
| *Artemisia tridentata* | Big sagebrush | Wasden Site | 4.4 | 1.8 | -28.4 | 42.5 | Perennial Leaves | June 2011 |
| *Artemisia tridentata* | Big sagebrush | Wasden Site | 3.1 | 1.8 | -29.7 | 40.9 | Perennial Leaves | June 2011 |
| *Artemisia tridentata* | Big sagebrush | Wasden Site | 2.9 | 2.5 | -28.4 | 43.0 | Perennial Leaves | June 2011 |
| *Artemisia tridentata* | Big sagebrush | Wasden Site | 4.1 | 1.6 | -28.7 | 41.9 | Perennial Leaves | June 2011 |
| *Artemisia tridentata* | Big sagebrush | Wasden Site | 2.9 | 1.6 | -27.8 | 42.7 | Perennial Leaves | June 2011 |
| *Opuntia polyacantha* | Plains prickly pear | Wasden Site | - | **-** | -13.4 | 38.0 | Modified stems | June 2011 |
| *Opuntia polyacantha* | Plains prickly pear | Wasden Site |  | - | -14.0 | 39.0 | Modified stems | June 2011 |
| *Atriplex canascens* | Four-wing saltbush | Pocatello, ID | 6.9 | 1.7 | -14.8 | 36.8 | Leaves | July 2011 |
| *Atriplex canascens* | Four-wing saltbush | Pocatello, ID | 5.3 | 2.5 | -15.4 | 37.5 | Leaves | July 2011 |
| *Atriplex canascens* | Four-wing saltbush | Pocatello, ID | 7.6 | 3.0 | -15.5 | 36.5 | Leaves | July 2011 |
| *Atriplex canascens* | Four-wing saltbush | Pocatello, ID | 7.6 | 2.5 | -15.0 | 36.9 | Seeds | July 2011 |
| *Atriplex canascens* | Four-wing saltbush | Pocatello, ID | 6.4 | 1.6 | -14.1 | 35.9 | Seeds | July 2011 |
| *Atriplex canascens* | Four-wing saltbush | Pocatello, ID | 5.7 | 2.6 | -14.0 | 37.7 | Seeds | July 2011 |