

Table 1. Results of Shapiro-Wilks normality tests for BEF parameters

| | W | p |
|------------------|----------|----------|
| All EFs Vmax | 0.112 | 0.000 |
| All EFs Km | 0.088 | 0.000 |
| Carbon data Vmax | 0.331 | 0.000 |
| Carbon data Km | 0.088 | 0.000 |

Table 2. Results of Kruskal Wallis tests of each BEF parameter against land use intensity. Statistically significant values in bold.

| | H statistic | Degrees of freedom | p |
|----------------------|--------------------|---------------------------|--------------|
| All data Vmax | 7.753 | 2 | 0.021 |
| All data Km | 0.301 | 2 | 0.860 |
| Carbon Vmax | 9.481 | 2 | 0.009 |
| Carbon Km | 3.208 | 2 | 0.201 |

Table 3. Results of Dunn's test with Benjamini Hochberg adjustment for BEF parameters against land use intensity. Pairs that differ significantly are in bold.

| | Z | P unadjusted | P adjusted |
|------------------------|---------------|---------------------|-------------------|
| All data Vmax | | | |
| Intense – light | -2.47 | 0.013 | 0.040 |
| Intense – minimal | -0.611 | 0.541 | 0.5412 |
| Light – minimal | 2.030 | 0.042 | 0.0635 |
| All data Km | | | |
| Intense – light | 0.157 | 0.875 | 0.875 |
| Intense – minimal | 0.504 | 0.614 | 1.000 |
| Light - minimal | 0.444 | 0.657 | 0.986 |
| Carbon data Vmax | | | |
| Intense – light | -2.806 | 0.005 | 0.015 |
| Intense – minimal | -1.305 | 0.192 | 0.192 |
| Light - minimal | 2.436 | 0.015 | 0.022 |
| Carbon data Km | | | |
| Intense – light | -1.64 | 0.101 | 0.304 |
| Intense – minimal | -0.772 | 0.440 | 0.440 |
| Light - minimal | 1.408 | 0.159 | 0.239 |

Table 4. Medians of BEF parameters for different land use intensities. Best values in bold.

| | Vmax | Km |
|----------|---------------|---------------|
| All data | | |
| Minimal | -0.083 | -0.017 |
| Light | -0.080 | -0.023 |
| Intense | -0.083 | -0.015 |
| Carbon | | |
| Minimal | -0.087 | -0.050 |
| Light | -0.079 | -0.023 |
| Intense | -0.119 | -0.106 |

Table 5. Results of Kruskal Wallis tests of BEF parameter values in biodiversity hotspots. Statistically significant values in bold.

| | H | Degrees of freedom | p |
|-----------------------|--------------|--------------------|--------------|
| All data Vmax | 2.674 | 1 | 0.102 |
| All data Km | 0.486 | 1 | 0.485 |
| Carbon data Vmax | 0.907 | 1 | 0.341 |
| Carbon data Km | 4.513 | 1 | 0.034 |