**Figure captions**

Figure 1. Representative 2DE gel from *L. elliptica* mantle tissue. The isoelectric point (pI) and molecular weight (MW) in kilodaltons are indicated on the horizontal and vertical axes respectively. Arrows indicate the 14 spots that showed significant differences between at least two of the treatments.

**Table captions**

Table 1. Comparisons of between and within technical error using ANOVA analyses of normalized spot volume with Spot and Gel as random factors. The Spot\*Gel interaction for within day technical replicates (MSwithin) and between day technical replicates (MSbetween) is indicated for each animal. Degrees of freedom (df), F ratios for between divided by within Spot\*Gel mean square values and associated probabilities (P) are also shown.

Table 2. Results from the lme tests for model comparisons showing spot numbers for spots with expression levels significantly different between treatments are given, followed by the Akaike information criterion (AIC) for models 1 (no fixed effect) and 2 (treatment as a fixed effect), log likelihood ratios (L. Ratio) and associated *a priori* p-values.

Table 3. Mean fold changes (FC) in protein expression of each treatment in relation to the control, and to each other for *L. elliptica* mantle tissue. Results are shown for significantly up- or down- regulated spots between at least two of the treatments in *a priori* tests. Positive and negative values indicate up- and down-regulation respectively. Restricted Maximum Likelihood statistics (t-value) and associated probability (P) are also shown. Bold probabilities indicate significant differences between the treatments in the level of expression of a given spot (P<0.05). “B”, buried; “NB”, not buried.

Table 4. Protein spots identified by MS/MS in *L. elliptica* mantle. Mascot protein score and number of peptides with results after filtering in brackets, % sequence cover, theoretical molecular weight (MW), sequences for retained peptides and allocated function are shown.