

## Description of Additional Supplementary Files

**File name:** Supplementary Data 1

**Description:** Differentially expressed genes (DEG) at 2 dpci (days post cryoinjury).

**File name:** Supplementary Data 2

**Description:** Differentially expressed genes (DEG) at 7 dpci (days post cryoinjury).

**File name:** Supplementary Data 3

**Description:** Differentially expressed genes (DEG) at 14 dpci (days post cryoinjury).

**File name:** Supplementary Data 4

**Description:** Proteins identified by nLC-ESI MS/MS label-free quantification.

**File name:** Supplementary Data 5

**Description:** Lectin microarray analysis of 2 dpci (days post cryoinjury) respect to the Sham.

**File name:** Supplementary Data 6

**Description:** Lectin microarray analysis of 7 dpci (days post cryoinjury) respect to the Sham.

**File name:** Supplementary Data 7

**Description:** Lectin microarray analysis of 14 dpci (days post cryoinjury) respect to the Sham.

**File name:** Supplementary Data 8

**Description:** Identified N-glycan structures.

**File name:** Supplementary Data 9

**Description:** Identified O-glycan structures.