**Supplementary Material**

Diagram

Description automatically generated with medium confidence

**Figure S1:** Characterization of phosphatidic acid (PA), phosphatidylcholine (PC), glycerophospholipid  (PG), and s-ribosyl-l-homocysteine according to the melanoma subtypes.

Chart

Description automatically generated

**Figure S2:** Overall survival of cutaneous melanoma patients according to SPM levels. SPM cut-off point used for analysis was in the 70th percentile.