**Supplemental Information**

**“Identification of a Hemozoin Nucleating Protein from a Marine Sandworm”**

**Sequence of Nvjp1 ΔC207 Fragment**

HNDGYGHDDHHGHGHGGYGGHGHGDYGGHGHGGYGGHGHGHGHGHGHFDDHPFYTIPAFGHGYGHGHGGHGHGYGGHDGYGGHGGYGGHGGYGDHGHGGHGYGSHGGHGQDYGGDYGGHGHGGHHHGGHDHDDFGHDFGHHGGDHGHHGGGHHGHHDGYGHDQGHGHGHGDYDY

**Sequence of Nvjp1 ΔN174 Fragment**

SHGNQHDNGHREHYGGHQAAGHHGHGESGSHYGGQGGGGGSHHSGGHDGSHNHGKFQTQYSYRGNDKYGGHNQYQGHGAYNEYSKSKGTGKYVAHGTEEGHHQLDGYEKDNHQGKYEGHGEHHSHQHGDGHHKRKEHGDHAGISGFHGQGHVQGNHALHGHHGGGHGHHGGEHGHSARGHHGGGGYGGGGHGHRGHHGGHQGHHGHH



**Figure S1**. CD spectra of HisRPII and Nvjp1 (10 µM) with and without hemin (50 µM) in 20 mM sodium phosphate buffer pH 6.0.



**Figure S2**. Thermogravimetric analysis (TGA) data for nAl-protamine and nAl-assembled thermites.



**Figure S3**. Corrected heat flow as a function of time for thermite samples containing nAl-protamine alone, or assembled with synthetic hemozoin, HisRPII-nucleated hemozoin, or Nvjp1-nucleated hemozoin. The area under the curve for each sample was integrated to generate heats of combustion (ΔHcomb).