

*Supporting information for*

Title: **Changes in copper, zinc and cadmium distributions in the liver of Formosan squirrels with characteristic high copper accumulation**

Authors: Yoshinari Suzuki<sup>1\*</sup>, Yasumitsu Ogra<sup>2</sup>, Noboru Machida<sup>3</sup>, and Izumi Watanabe<sup>1</sup>

<sup>1</sup>United Graduate School of Agricultural Science, Tokyo University of Agriculture and Technology, 3-5-8 Saiwai-cho, Fuchu-shi, Tokyo 183-8509, Japan

<sup>2</sup>Graduate School of Pharmaceutical Science, Chiba University, 1-8-1 Inohana, Chuou-ku, Chiba-shi, Chiba 260-8675, Japan

<sup>3</sup>Department of Veterinary Oncology, Tokyo University of Agriculture and Technology, 3-5-8 Saiwai-cho, Fuchu-shi, Tokyo 183-8509, Japan

Corresponding author: Yoshinari Suzuki

e-mail address: szk-yoshi@nihs.go.jp

Table S1

Sample ID	Hydropic degeneration	Sex	Growth stage	Hepatic Cu
051031-2	-	Male	Juvenile	38.1
060804	-	Female	Juvenile	43.2
051117	-	Male	Young	101
050207	-	Female	Young	154
041230-2	-	Male	Young	302
060802	-	Female	Adult	359
040923	-	Female	Adult	412
050602	-	Male	Adult	756
060118	-	Male	Adult	857
051031-1	-	Male	Young	858
041209	-	Male	Adult	1004
041230	-	Male	Adult	1238
040919	-	Male	Adult	1373
060111	+	Female	Juvenile	6.3
060809-1	+	Female	Young	126
050613-1	+	Female	Young	213
051107	+	Female	Young	246
060809-2	+	Female	Young	250
050210	+	Female	Adult	262
060112	+	Male	Young	305
040920	+	Male	Adult	346
040918	+	Female	Adult	495
060124	+	Male	Adult	533
040921	+	Male	Adult	703
050117	+	Male	Adult	797
050418	+	Male	Adult	1038
040922	+	Male	Adult	1742

\*Sample ID express YYMMDD.

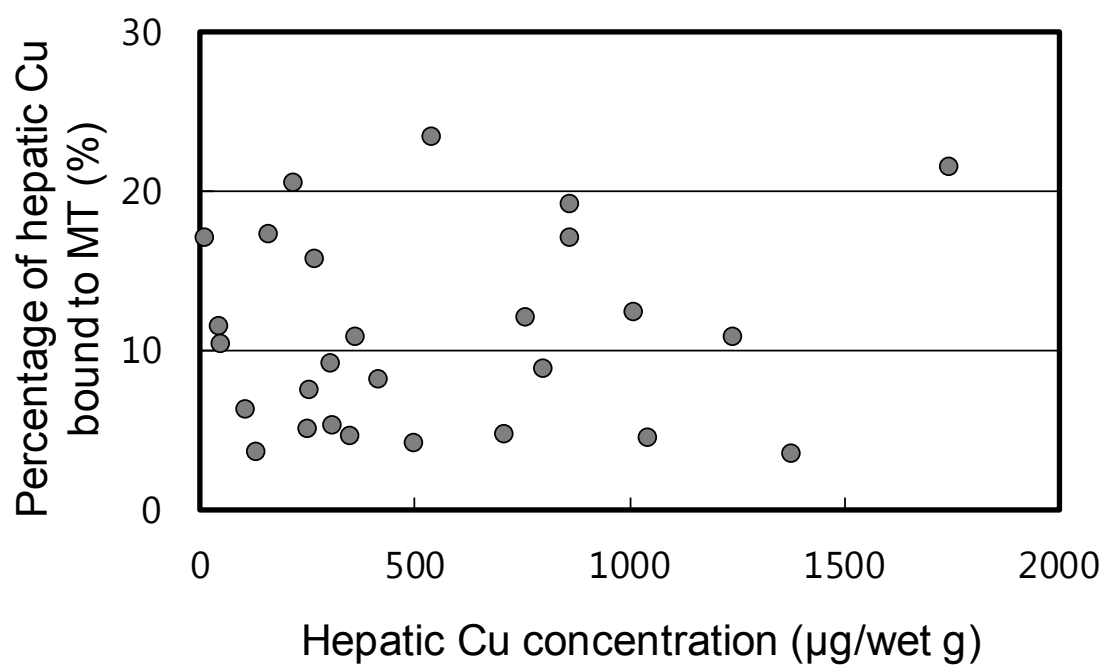


Fig. S1. Relationship between hepatic Cu concentration and percentage of hepatic Cu bound to metallothionein