

**Supplemental Table S1.** Composition of the basal diet

Ingredient	(g/kg)
Casein*	250
Maize starch†	482.5
Sucrose‡	100
Soybean oil§	70
Mineral mix	35
Vitamin mix	10
Choline bitartrate¶	2.5
Cellulose**	50

\* Acid casein was purchased from Meggle Japan Co. Ltd. (Tokyo, Japan).

† Supplied by Nihon Shokuhin Kako Co, Ltd. (Tokyo, Japan).

‡ Supplied by Nippon Beet Sugar Manufacturing Co. Ltd. (Obihiro, Japan).

§ Purchased from Ajinomoto Co. Inc. (Tokyo, Japan).

|| Mineral and vitamin mixtures were identical to AIN-93G-MX and AIN-93-VX, respectively. These mixtures were purchased from Oriental Yeast Co. Ltd. (Tokyo, Japan).

¶ Purchased from FUJIFILM Wako Pure Chemical Corp. (Tokyo, Japan).

\*\* Purchased from Oriental Yeast Co. Ltd. (Tokyo, Japan)