

Table S1 Composition of standard artificial diet for *Sitobion avenae*.

<i>L-Amino acids and amides (mg)</i>		<i>Others</i>	
Alanine	30	NaCl	1.271 mg
Arginine	400	CuCl ₂ •2H ₂ O	0.3 mg
Asparagine	200	FeCl ₃ •6H ₂ O	2.2 mg
Aspartic acid	69	MnCl ₂ •4H ₂ O	0.79 mg
Cysteine	50	ZnCl ₂	0.471 mg
Cystine	1	MgCl ₂ •6H ₂ O	150 mg
Glutamic acid	200	KH ₂ PO ₄	200 mg
Glutamine	600	Cholesterol	5 mg
Glycine	20	Sucrose	15.4 g
Histidine	200	Water to make	100 mL
DL-Homoserine	50		
Isoleucine	100		
Leucine	42.5		
Lysine mono-HCl	200		
Methionine	100		
Phenylalanine	100		
Proline	100		
Serine	100		
Threonine	200		
Tryptophan	150		
Tyrosine	20		
Valine	37.2		
<i>Vitamins (mg)</i>			
Ascorbic acid	100		
Biotin	0.1		
Calcium pantothenate	5		
Choline chloride	50		
Folic acid	1		
Inositol	50		
Nicotinic acid	10		
p-Aminobenzoic acid	10		
Pyridoxine HCl	2.5		
Riboflavin	0.5		
Thiamine HCl	2.5		