

Table S1: Patterns of amino acids (mg/g CP) of six commonly used edible insect species. Sources [80,82,152–155]

Amino Acids	<i>Acheta domesticus</i> (adults/nymphs)	<i>Tenebrio molitor</i> (larvae)	<i>Zophobas morio</i> (larvae)	<i>Hermetia illucens</i> (larvae/prepupae)	<i>Musca domestica</i> (Maggot)	<i>Bombyx mori</i> (Pupae)
Alanine	87.8	80.2	72.7	62.7	5.8	5.8
Arginine	65.7	60	57.4	52.8	4.6	5.6
Aspartic acid	79.1	81	83.1	88.3	7.5	10.4
Glutamic acid	109.2	112.1	127	103.7	11.7	13.9
Glycine	52.3	53.1	48.7	55	4.2	4.8
Histidine	22.8	30.2	31.1	32.4	2.4	2.6
Isoleucine	40.3	46.1	46.9	43.3	3.2	5.1
Leucine	78.6	84.9	80.4	69.9	5.4	7.5
Lysine	55.3	55.4	54.6	59.1	6.1	7
Methionine	15.8	13.3	12.2	18.8	2.2	3.5
Phenylalanine	31.5	35.2	37.2	41.5	4.6	5.2
Proline	56.7	68.1	55.9	55.4	3.3	5.2
Serine	44.1	47.2	44.1	38.3	3.6	5
Threonine	35.7	40.3	39.9	39	3.5	5.1
Tryptophan	7.2	10.5	11.4	15.1	1.5	0.9
Valine	54.1	62.9	60.5	63.8	4	5.5

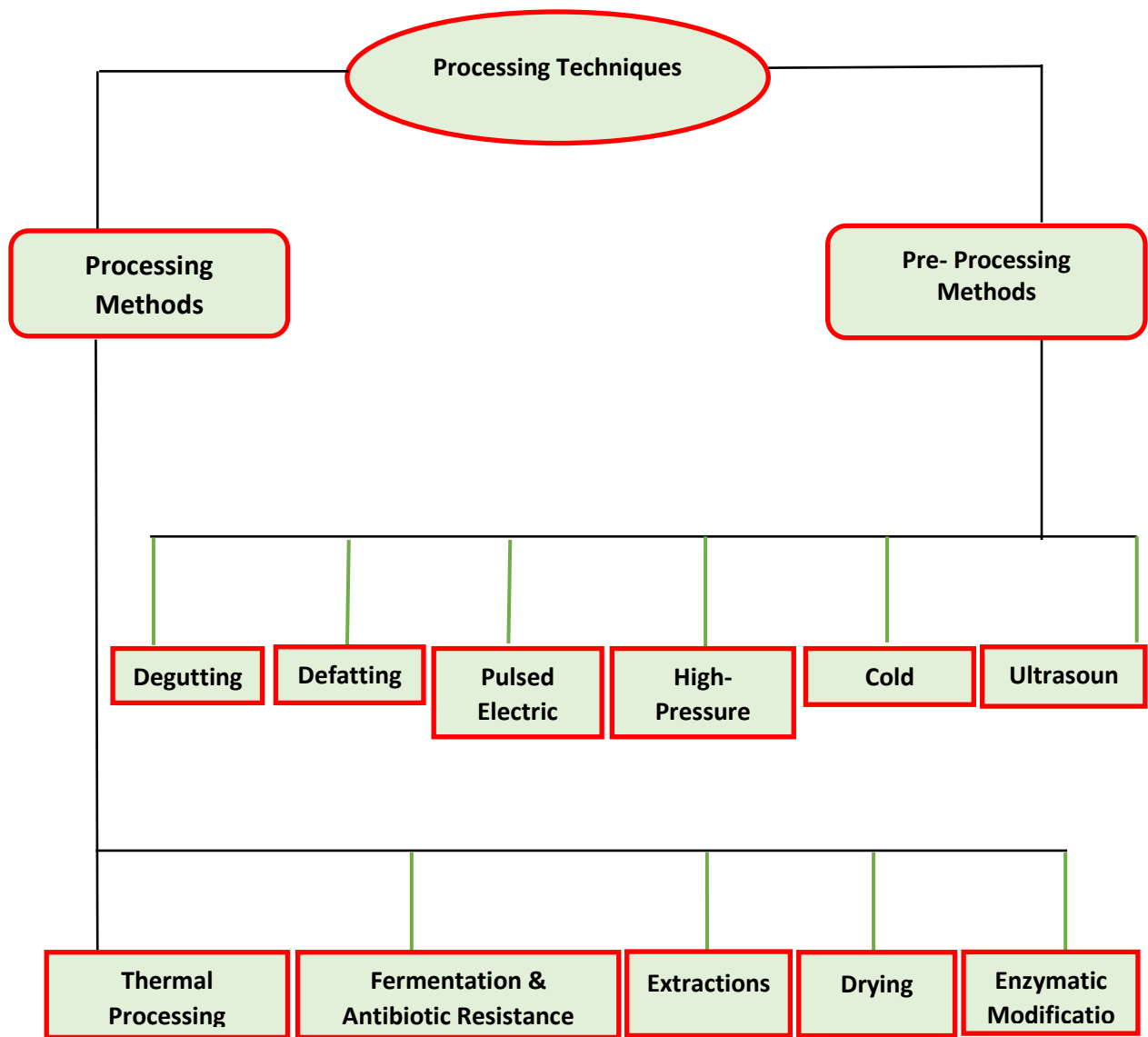


Figure S1: The processing techniques of the insect's-based feed.