

Table S-1 The defoliators of *Haloxylon ammodendron* forest in the world

Family	Species	Infested part	Region	Reference(s)
Cossidae	<i>Holcocerus campiocola</i> (Eversmann)	root, stalk	Kazakhstan, Mongolia	Tumenbayeva <i>et al</i> (2016) Sergei et al (2019)
	<i>Holcocerus inspersus</i> Christoph	root	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Holcocerus</i> sp.	root	Ganjia lake	Zang shouye (1986)
Tortricidae	<i>Phtheochroa subfumida</i> (Falkovitsch)	seed	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
Coleophoridae	<i>Coleophora haloxyli</i> Falkovitsh	shoot	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Casignetella gallivora</i> (Falkovitsh)	stalk	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Coleophora</i> sp.	stem	Ganjia lake	Zang shouye (1986)
Scythrididae	<i>Scythris cirra</i> Falkovitsh	shoot	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Scythris haloxylella</i> Falkovich	shoot	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
Gelechiidae	<i>Scrobipalpa</i> sp1.	flower	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Scrobipalpa</i> sp2.	gall	Ganjia lake,Xinjiang	Zang shouye (1986)
Pyalidae	<i>Anoristia atrisparsella</i> Ragonot	shoot	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
Sphingidae	<i>Celerio lineata</i> <i>livornica</i> Esp.	shoot	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
Zygaenidae	<i>Zygaena truchmena</i> Eversmann	shoot	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
Geometridae	<i>Paraphtorarcha</i> <i>kasachstanika</i> Stsh	shoot	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Desertobia heloxylonia</i> Xue	shoot	Northern Xinjiang, Shiyang river	Xue dayong(2006), Li yisong(2009), Ma cunshi(2013)
Lasiocampidae	<i>Lasiocampa</i> <i>eversmanni</i> (Eversmann)	shoot, flower	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
Noctuidae	<i>Euxoa conspicua</i> (Hubner)	shoot, flower	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Cardepia irrisor</i> (Erschoff)	shoot, seed	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Hadula ptochica</i> (Püngeler)	shoot, seed	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Thargelia fissilis</i> Christoph	shoot, flower	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Thargelia sitiens</i> Püngeler	shoot, flower	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Thargelia distincta</i> Cristoph	flower	Kazakhstan	Tumenbayeva <i>et al</i> (2016)

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	<i>Pseudohadena chenopodiphaga</i> (Rambur)	shoot, seed	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Pseudohadena immunda</i> Eversmann	flower, shoot	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Pseudohadena immunis</i> Staudinger	flower, shoot	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Pseudohadena siri</i> Erschoff	Flower, shoot	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Caradrina albina</i> Eversmann	shoot	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Athetis quadripunctata</i> Fabricius	shoot	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Diadochia esurialis</i> Püngeler	shoot	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Pseudopseustis elinguis</i> (Püngeler)	flower	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Pseudopseustis striolata</i> (Filipjev)	shoot	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Scythocentropus scripturosa</i> Eversmann	seed	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Anydrophila imitatrix</i> Chyistph	shoot	Ganjia lake, Xinjiang	Zang shouye (1986)
Arctiidae	<i>Lacydes spectabilis</i> (Tauscher)	shoot	Shihezi	Tao shicheng (2009)
Erebidae	<i>Lacydes spectabilis</i> (Tauscher)	shoot, flower	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
	<i>Tancrea pardalina</i> Püngeler	shoot, flower	Kazakhstan	Tumenbayeva <i>et al</i> (2016)
Lymantridae	<i>Orgyia dubia</i> (Tauscher)/ <i>Teia dubia</i>	shoot, flower, seed	Kazakhstan, Spain, Israel, Northern Xinjiang	Chapman (1903), Kugler (1967), Zang shouye (1986), Tumenbayeva <i>et al</i> (2016), Jin gesi(2009)
	<i>Orgyia ericae</i> Germar	shoot, flower	Inner Mongolia, Ningxia	Li haiyan (2009), Li zhanwen(2010) et al.